



# wwPDB X-ray Structure Validation Summary Report ⓘ

Nov 14, 2023 – 04:34 PM JST

PDB ID : 5ZF0  
Title : X-ray Structure of the Electron Transfer Complex between Ferredoxin and Photosystem I  
Authors : Kubota-Kawai, H.; Mutoh, R.; Shinmura, K.; Setif, P.; Nowaczyk, M.; Roegner, M.; Ikegami, T.; Tanaka, T.; Kurisu, G.  
Deposited on : 2018-03-01  
Resolution : 4.20 Å(reported)

This is a wwPDB X-ray Structure Validation Summary Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467  
Mogul : 1.8.5 (274361), CSD as541be (2020)  
Xtrriage (Phenix) : 1.13  
EDS : 2.36  
buster-report : 1.1.7 (2018)  
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)  
Refmac : 5.8.0158  
CCP4 : 7.0.044 (Gargrove)  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.36



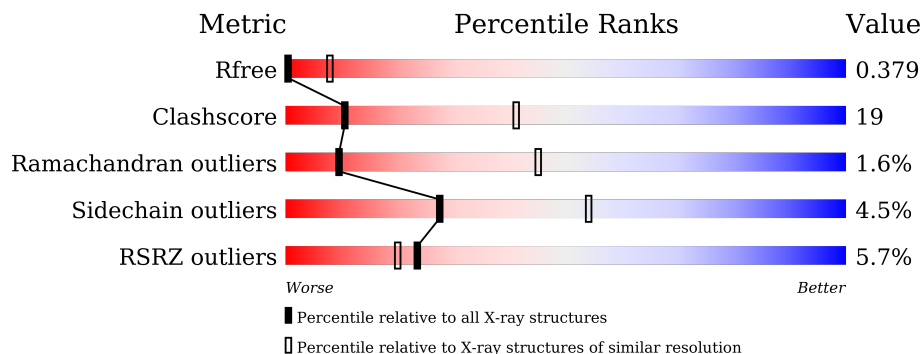
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 4.20 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
$R_{free}$	130704	1005 (4.62-3.78)
Clashscore	141614	1044 (4.60-3.80)
Ramachandran outliers	138981	1000 (4.60-3.80)
Sidechain outliers	138945	1007 (4.62-3.78)
RSRZ outliers	127900	1063 (4.70-3.70)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for  $\geq 3$ , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions  $\leq 5\%$ . The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A1	755	
1	A2	755	
1	A3	755	
1	A4	755	
1	A5	755	

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Mol	Chain	Length	Quality of chain
1	A6	755	4% 70% 27% ..
2	B1	740	8% 63% 35% .
2	B2	740	2% 67% 30% .
2	B3	740	2% 68% 29% .
2	B4	740	3% 64% 33% .
2	B5	740	5% 69% 28% .
2	B6	740	3% 69% 29% .
3	C1	80	28% 65% 29% 5% .
3	C2	80	% 64% 30% 6% .
3	C3	80	6% 69% 28% .
3	C4	80	9% 59% 40% .
3	C5	80	16% 58% 30% 8% 5% .
3	C6	80	8% 65% 30% ..
4	D1	138	7% 79% 20% .
4	D2	138	% 76% 22% .
4	D3	138	% 74% 24% .
4	D4	138	2% 74% 25% .
4	D5	138	9% 83% 16% .
4	D6	138	4% 75% 24% .
5	E1	75	25% 76% 12% 8% .
5	E2	75	9% 72% 16% 8% .
5	E3	75	5% 71% 13% 8% 8% .
5	E4	75	19% 72% 16% 8% .
5	E5	75	11% 81% 8% 8% .
5	E6	75	13% 71% 17% 8% .

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Mol	Chain	Length	Quality of chain
6	F1	164	
6	F2	164	
6	F3	164	
6	F4	164	
6	F5	164	
6	F6	164	
7	I1	38	
7	I2	38	
7	I3	38	
7	I4	38	
7	I5	38	
7	I6	38	
8	J1	41	
8	J2	41	
8	J3	41	
8	J4	41	
8	J5	41	
8	J6	41	
9	K1	83	
9	K2	83	
9	K3	83	
9	K4	83	
9	K5	83	
9	K6	83	
10	L1	154	

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Mol	Chain	Length	Quality of chain
10	L2	154	3% 64% 31% . .
10	L3	154	% 65% 31% . .
10	L4	154	% 68% 26% 5% .
10	L5	154	% 56% 37% 5% .
10	L6	154	% 62% 31% 5% .
11	M1	31	77% 19% .
11	M2	31	3% 68% 26% 6%
11	M3	31	3% 48% 45% . .
11	M4	31	3% 55% 39% 6%
11	M5	31	81% 13% 6%
11	M6	31	68% 26% . .
12	X1	35	9% 66% 14% . 17%
12	X2	35	3% 63% 17% . 17%
12	X3	35	9% 69% 11% . 17%
12	X4	35	6% 66% 14% . 17%
12	X5	35	74% 9% 17%
12	X6	35	6% 71% 9% . 17%
13	P1	97	19% 88% 12%
13	P2	97	14% 82% 18%
13	P3	97	6% 82% 18%
13	P4	97	5% 85% 15%
13	P5	97	13% 84% 16%
13	P6	97	2% 85% 15%

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	A1	802	X	-	-	X
14	CLA	A1	803	-	-	-	X
14	CLA	A1	804	X	-	-	X
14	CLA	A1	805	X	-	-	X
14	CLA	A1	809	-	-	-	X
14	CLA	A1	810	-	-	-	X
14	CLA	A1	811	-	-	-	X
14	CLA	A1	812	X	-	-	X
14	CLA	A1	814	-	-	-	X
14	CLA	A1	815	-	-	-	X
14	CLA	A1	816	-	-	-	X
14	CLA	A1	819	-	-	-	X
14	CLA	A1	820	-	-	-	X
14	CLA	A1	824	X	-	-	X
14	CLA	A1	826	X	-	-	X
14	CLA	A1	827	-	-	-	X
14	CLA	A1	833	-	-	-	X
14	CLA	A1	834	X	-	-	-
14	CLA	A1	837	-	-	-	X
14	CLA	A1	840	X	-	-	X
14	CLA	A2	1601	-	-	-	X
14	CLA	A2	1605	X	-	-	-
14	CLA	A2	1606	-	-	-	X
14	CLA	A2	1607	X	-	-	X
14	CLA	A2	1608	X	-	-	-
14	CLA	A2	1615	X	-	-	X
14	CLA	A2	1618	-	-	-	X
14	CLA	A2	1627	X	-	-	X
14	CLA	A2	1629	X	-	-	-
14	CLA	A2	1638	X	-	-	-
14	CLA	A2	1645	X	-	-	X
14	CLA	A3	803	X	-	-	-
14	CLA	A3	805	X	-	-	-
14	CLA	A3	806	X	-	-	-
14	CLA	A3	809	-	-	-	X
14	CLA	A3	813	X	-	-	-
14	CLA	A3	825	X	-	-	-
14	CLA	A3	827	X	-	-	-
14	CLA	A3	837	X	-	-	-
14	CLA	A3	844	X	-	-	-
14	CLA	A4	802	X	-	-	-
14	CLA	A4	804	X	-	-	X
14	CLA	A4	805	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	A4	806	-	-	-	X
14	CLA	A4	809	-	-	-	X
14	CLA	A4	812	X	-	-	-
14	CLA	A4	815	-	-	-	X
14	CLA	A4	816	-	-	-	X
14	CLA	A4	824	X	-	-	X
14	CLA	A4	825	-	-	-	X
14	CLA	A4	826	X	-	-	-
14	CLA	A4	835	X	-	-	-
14	CLA	A4	842	X	-	-	X
14	CLA	A4	853	-	-	-	X
14	CLA	A5	803	X	-	-	-
14	CLA	A5	805	X	-	-	-
14	CLA	A5	806	X	-	-	-
14	CLA	A5	810	-	-	-	X
14	CLA	A5	813	X	-	-	-
14	CLA	A5	815	-	-	-	X
14	CLA	A5	816	-	-	-	X
14	CLA	A5	825	X	-	-	-
14	CLA	A5	827	X	-	-	-
14	CLA	A5	836	X	-	-	-
14	CLA	A6	1601	-	-	-	X
14	CLA	A6	1605	X	-	-	-
14	CLA	A6	1606	X	-	-	-
14	CLA	A6	1610	-	-	-	X
14	CLA	A6	1613	X	-	-	-
14	CLA	A6	1625	X	-	-	-
14	CLA	A6	1627	X	-	-	-
14	CLA	A6	1636	X	-	-	-
14	CLA	A6	1641	X	-	-	-
14	CLA	B1	801	-	-	-	X
14	CLA	B1	802	-	-	-	X
14	CLA	B1	804	-	-	X	-
14	CLA	B1	805	-	-	-	X
14	CLA	B1	807	X	-	X	-
14	CLA	B1	808	X	-	-	-
14	CLA	B1	813	-	-	-	X
14	CLA	B1	814	X	-	-	X
14	CLA	B1	817	-	-	X	X
14	CLA	B1	818	-	-	X	X
14	CLA	B1	820	-	-	-	X
14	CLA	B1	821	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	B1	822	-	-	-	X
14	CLA	B1	823	-	-	-	X
14	CLA	B1	824	-	-	-	X
14	CLA	B1	825	X	-	-	X
14	CLA	B1	826	-	-	-	X
14	CLA	B1	827	X	-	-	X
14	CLA	B1	834	-	-	-	X
14	CLA	B1	835	-	-	-	X
14	CLA	B1	838	X	-	-	X
14	CLA	B1	840	-	-	-	X
14	CLA	B1	853	-	-	-	X
14	CLA	B1	854	X	-	X	-
14	CLA	B2	804	X	-	-	-
14	CLA	B2	805	X	-	-	-
14	CLA	B2	809	X	-	-	-
14	CLA	B2	812	X	-	-	-
14	CLA	B2	815	-	-	-	X
14	CLA	B2	818	-	-	-	X
14	CLA	B2	821	-	-	-	X
14	CLA	B2	823	X	-	-	-
14	CLA	B2	825	X	-	-	-
14	CLA	B2	829	-	-	-	X
14	CLA	B2	830	-	-	-	X
14	CLA	B2	836	X	-	-	-
14	CLA	B3	1807	X	-	-	-
14	CLA	B3	1808	X	-	-	-
14	CLA	B3	1812	X	-	-	-
14	CLA	B3	1815	X	-	-	-
14	CLA	B3	1817	-	-	-	X
14	CLA	B3	1821	-	-	-	X
14	CLA	B3	1824	-	-	-	X
14	CLA	B3	1825	-	-	-	X
14	CLA	B3	1826	X	-	-	X
14	CLA	B3	1828	X	-	-	-
14	CLA	B3	1839	X	-	-	-
14	CLA	B4	807	X	-	-	-
14	CLA	B4	808	X	-	-	-
14	CLA	B4	809	-	-	-	X
14	CLA	B4	811	-	-	-	X
14	CLA	B4	812	X	-	-	-
14	CLA	B4	813	-	-	-	X
14	CLA	B4	815	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	B4	817	-	-	-	X
14	CLA	B4	821	-	-	-	X
14	CLA	B4	824	-	-	-	X
14	CLA	B4	826	X	-	-	-
14	CLA	B4	827	-	-	-	X
14	CLA	B4	828	X	-	-	-
14	CLA	B4	839	X	-	-	-
14	CLA	B5	1801	-	-	-	X
14	CLA	B5	1803	-	-	X	-
14	CLA	B5	1807	X	-	-	-
14	CLA	B5	1808	X	-	-	-
14	CLA	B5	1812	X	-	-	-
14	CLA	B5	1813	-	-	-	X
14	CLA	B5	1814	-	-	-	X
14	CLA	B5	1815	X	-	-	X
14	CLA	B5	1817	-	-	-	X
14	CLA	B5	1818	-	-	-	X
14	CLA	B5	1819	-	-	-	X
14	CLA	B5	1821	-	-	-	X
14	CLA	B5	1822	-	-	-	X
14	CLA	B5	1823	-	-	-	X
14	CLA	B5	1826	X	-	-	X
14	CLA	B5	1827	-	-	-	X
14	CLA	B5	1828	X	-	-	-
14	CLA	B5	1836	-	-	-	X
14	CLA	B5	1839	X	-	-	X
14	CLA	B6	806	X	-	-	-
14	CLA	B6	807	X	-	-	-
14	CLA	B6	810	X	-	-	-
14	CLA	B6	813	X	-	-	-
14	CLA	B6	816	-	-	-	X
14	CLA	B6	819	-	-	-	X
14	CLA	B6	823	-	-	-	X
14	CLA	B6	824	X	-	-	-
14	CLA	B6	826	X	-	-	-
14	CLA	B6	831	-	-	-	X
14	CLA	B6	837	X	-	-	-
14	CLA	F1	1301	-	-	-	X
14	CLA	F2	204	-	-	-	X
14	CLA	F3	202	-	-	-	X
14	CLA	F4	202	-	-	-	X
14	CLA	F5	1301	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	F6	202	-	-	-	X
14	CLA	J1	101	X	-	-	X
14	CLA	J1	102	-	-	-	X
14	CLA	J2	101	X	-	-	-
14	CLA	J3	101	X	-	-	-
14	CLA	J3	102	-	-	-	X
14	CLA	J4	101	X	-	-	X
14	CLA	J5	101	X	-	-	X
14	CLA	J6	1101	X	-	-	-
14	CLA	J6	1102	X	-	-	-
14	CLA	K1	1401	-	-	-	X
14	CLA	K5	101	X	-	-	-
14	CLA	L3	202	-	-	-	X
14	CLA	L3	205	-	-	-	X
14	CLA	L5	202	-	-	-	X
14	CLA	M3	1601	-	-	-	X
14	CLA	X3	102	-	-	-	X
14	CLA	X5	101	-	-	-	X
15	PQN	A1	841	-	-	-	X
15	PQN	A2	1646	-	-	-	X
15	PQN	A4	843	-	-	-	X
15	PQN	A5	844	-	-	-	X
15	PQN	B3	1844	-	-	-	X
15	PQN	B4	844	-	-	-	X
15	PQN	B5	1844	-	-	-	X
16	BCR	A1	842	-	-	-	X
16	BCR	A1	843	-	-	-	X
16	BCR	A1	844	-	-	-	X
16	BCR	A1	845	-	-	-	X
16	BCR	A1	846	-	-	-	X
16	BCR	A1	847	-	-	-	X
16	BCR	A2	1647	-	-	-	X
16	BCR	A2	1648	-	-	-	X
16	BCR	A2	1649	-	-	-	X
16	BCR	A2	1650	-	-	-	X
16	BCR	A2	1651	-	-	-	X
16	BCR	A2	1652	-	-	-	X
16	BCR	A3	847	-	-	-	X
16	BCR	A3	849	-	-	-	X
16	BCR	A3	850	-	-	-	X
16	BCR	A4	844	-	-	-	X
16	BCR	A4	845	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
16	BCR	A4	846	-	-	-	X
16	BCR	A4	847	-	-	-	X
16	BCR	A4	848	-	-	-	X
16	BCR	A4	849	-	-	-	X
16	BCR	A5	845	-	-	-	X
16	BCR	A5	846	-	-	-	X
16	BCR	A5	847	-	-	-	X
16	BCR	A5	848	-	-	-	X
16	BCR	A5	849	-	-	-	X
16	BCR	A5	850	-	-	-	X
16	BCR	A5	853	-	-	-	X
16	BCR	A6	1643	-	-	-	X
16	BCR	A6	1644	-	-	-	X
16	BCR	A6	1645	-	-	-	X
16	BCR	A6	1646	-	-	-	X
16	BCR	A6	1648	-	-	-	X
16	BCR	B1	843	-	-	-	X
16	BCR	B1	844	-	-	-	X
16	BCR	B1	845	-	-	-	X
16	BCR	B1	846	-	-	-	X
16	BCR	B1	847	-	-	-	X
16	BCR	B1	848	-	-	-	X
16	BCR	B1	849	-	-	-	X
16	BCR	B1	852	-	-	-	X
16	BCR	B2	842	-	-	-	X
16	BCR	B2	843	-	-	-	X
16	BCR	B2	844	-	-	-	X
16	BCR	B2	845	-	-	-	X
16	BCR	B2	846	-	-	-	X
16	BCR	B3	1845	-	-	-	X
16	BCR	B3	1846	-	-	-	X
16	BCR	B3	1847	-	-	-	X
16	BCR	B3	1848	-	-	-	X
16	BCR	B3	1849	-	-	-	X
16	BCR	B3	1851	-	-	-	X
16	BCR	B4	845	-	-	-	X
16	BCR	B4	846	-	-	-	X
16	BCR	B4	847	-	-	-	X
16	BCR	B4	848	-	-	-	X
16	BCR	B4	849	-	-	-	X
16	BCR	B5	1845	-	-	-	X
16	BCR	B5	1846	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
16	BCR	B5	1847	-	-	-	X
16	BCR	B5	1848	-	-	-	X
16	BCR	B5	1849	-	-	-	X
16	BCR	B5	1850	-	-	-	X
16	BCR	B6	843	-	-	-	X
16	BCR	B6	844	-	-	-	X
16	BCR	B6	845	-	-	-	X
16	BCR	B6	846	-	-	-	X
16	BCR	B6	847	-	-	-	X
16	BCR	B6	850	-	-	-	X
16	BCR	F1	1302	-	-	-	X
16	BCR	F2	203	-	-	-	X
16	BCR	F3	201	-	-	-	X
16	BCR	F3	203	-	-	-	X
16	BCR	F4	201	-	-	-	X
16	BCR	F4	203	-	-	-	X
16	BCR	F4	204	-	-	-	X
16	BCR	F6	201	-	-	-	X
16	BCR	F6	203	-	-	-	X
16	BCR	I2	101	-	-	-	X
16	BCR	I4	101	-	-	-	X
16	BCR	I4	102	-	-	-	X
16	BCR	I5	101	-	-	-	X
16	BCR	J1	103	-	-	-	X
16	BCR	J1	104	-	-	-	X
16	BCR	J2	103	-	-	-	X
16	BCR	J3	104	-	-	-	X
16	BCR	J4	103	-	-	-	X
16	BCR	J4	104	-	-	-	X
16	BCR	J5	103	-	-	-	X
16	BCR	J5	104	-	-	-	X
16	BCR	J5	105	-	-	-	X
16	BCR	J6	1104	-	-	-	X
16	BCR	J6	1105	-	-	-	X
16	BCR	L1	209	-	-	-	X
16	BCR	L2	203	-	-	-	X
16	BCR	L3	201	-	-	-	X
16	BCR	L4	208	-	-	-	X
16	BCR	L5	201	-	-	-	X
16	BCR	L6	201	-	-	-	X
16	BCR	M1	1202	-	-	-	X
16	BCR	M3	1602	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
16	BCR	M4	101	-	-	-	X
16	BCR	M5	101	-	-	-	X
16	BCR	M6	1202	-	-	-	X
17	LHG	A1	848	-	-	-	X
17	LHG	A1	849	X	-	-	-
17	LHG	A2	1653	-	-	-	X
17	LHG	A2	1654	X	-	-	-
17	LHG	A3	854	X	-	-	-
17	LHG	A4	850	-	-	-	X
17	LHG	A4	851	X	-	-	-
17	LHG	A5	851	-	-	-	X
17	LHG	A5	852	X	-	-	-
17	LHG	A6	1650	X	-	-	-
17	LHG	B1	851	-	-	-	X
17	LHG	B6	849	-	-	-	X
17	LHG	X4	101	-	-	-	X
18	SF4	A1	850	-	-	X	-
18	SF4	A2	1655	-	-	X	-
18	SF4	A3	855	-	-	X	-
18	SF4	A4	852	-	-	X	-
18	SF4	A5	854	-	-	X	-
18	SF4	B6	801	-	-	X	-
18	SF4	C1	101	-	-	X	-
18	SF4	C1	102	-	-	X	-
18	SF4	C2	101	-	-	X	-
18	SF4	C2	102	-	-	X	-
18	SF4	C3	101	-	-	X	-
18	SF4	C3	102	-	-	X	-
18	SF4	C4	101	-	-	X	-
18	SF4	C4	102	-	-	X	-
18	SF4	C5	101	-	-	X	-
18	SF4	C5	102	-	-	X	-
18	SF4	C6	101	-	-	X	-
18	SF4	C6	102	-	-	X	-
19	LMG	B1	850	-	-	-	X
19	LMG	B2	848	-	-	-	X
19	LMG	B3	1850	-	-	-	X
19	LMG	B4	851	-	-	-	X
19	LMG	B5	1851	-	-	-	X
19	LMG	B6	848	-	-	-	X
20	CA	L2	204	-	-	-	X
20	CA	L6	205	-	-	-	X

## 2 Entry composition

There are 21 unique types of molecules in this entry. The entry contains 148494 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A1	740	5784	3794	988	976	26	0	0	0
1	A2	740	5784	3794	988	976	26	0	0	0
1	A3	740	5784	3794	988	976	26	0	0	0
1	A4	740	5784	3794	988	976	26	0	0	0
1	A6	740	5784	3794	988	976	26	0	0	0
1	A5	740	5784	3794	988	976	26	0	0	0

- Molecule 2 is a protein called Photosystem I P700 chlorophyll a apoprotein A2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	B1	739	5879	3867	986	1005	21	0	0	0
2	B2	739	5879	3867	986	1005	21	0	0	0
2	B3	739	5879	3867	986	1005	21	0	0	0
2	B4	739	5879	3867	986	1005	21	0	0	0
2	B6	739	5879	3867	986	1005	21	0	0	0
2	B5	739	5879	3867	986	1005	21	0	0	0

- Molecule 3 is a protein called Photosystem I iron-sulfur center.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	C1	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C2	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C3	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C4	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C6	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C5	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			

- Molecule 4 is a protein called Photosystem I reaction center subunit II.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	D1	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D2	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D3	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D4	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D6	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D5	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			

- Molecule 5 is a protein called Photosystem I reaction center subunit IV.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
5	E1	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E2	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E3	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E4	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E6	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E5	69	Total	C	N	O	0	0	0
			539	342	93	104			

- Molecule 6 is a protein called Photosystem I reaction center subunit III.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	F1	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F2	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F3	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F4	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F6	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F5	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			

- Molecule 7 is a protein called Photosystem I reaction center subunit VIII.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	I1	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I2	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I3	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I4	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I6	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I5	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			

- Molecule 8 is a protein called Photosystem I reaction center subunit IX.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	J1	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	J2	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	J3	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	J4	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	J6	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	J5	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			

- Molecule 9 is a protein called Photosystem I reaction center subunit PsaK.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	K1	46	Total	C	N	O		0	0	0
			222	130	46	46				
9	K2	46	Total	C	N	O		0	0	0
			222	130	46	46				
9	K3	46	Total	C	N	O		0	0	0
			222	130	46	46				
9	K4	46	Total	C	N	O		0	0	0
			222	130	46	46				
9	K6	46	Total	C	N	O		0	0	0
			222	130	46	46				
9	K5	46	Total	C	N	O		0	0	0
			222	130	46	46				

- Molecule 10 is a protein called Photosystem I reaction center subunit XI.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	L1	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L2	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L3	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L4	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L6	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L5	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
L1	143	LEU	SER	conflict	UNP Q8DGB4
L2	143	LEU	SER	conflict	UNP Q8DGB4
L3	143	LEU	SER	conflict	UNP Q8DGB4
L4	143	LEU	SER	conflict	UNP Q8DGB4

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Chain	Residue	Modelled	Actual	Comment	Reference
L6	143	LEU	SER	conflict	UNP Q8DGB4
L5	143	LEU	SER	conflict	UNP Q8DGB4

- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	M1	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M2	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M3	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M4	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M6	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M5	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			

- Molecule 12 is a protein called PsaX.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
12	X1	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X2	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X3	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X4	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X6	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X5	29	Total	C	N	O	0	0	0
			233	164	34	35			

- Molecule 13 is a protein called Ferredoxin-1.

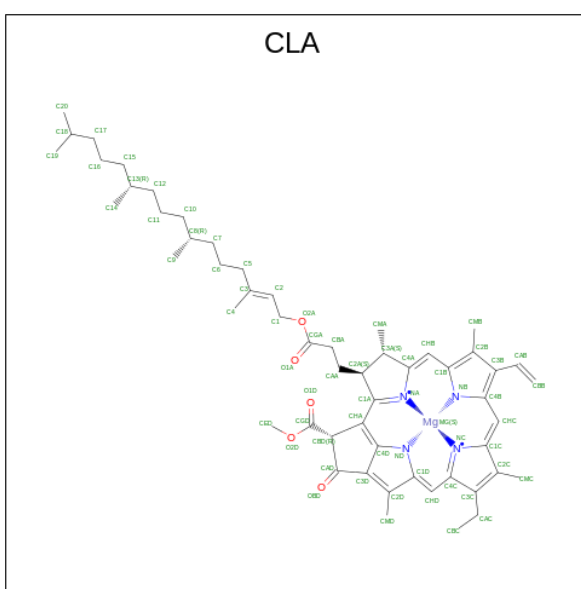
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	P1	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			
13	P2	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	P3	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			
13	P4	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			
13	P6	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			
13	P5	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			

- Molecule 14 is CHLOROPHYLL A (three-letter code: CLA) (formula:  $C_{55}H_{72}MgN_4O_5$ ).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			61	51	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			46	36	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			58	48	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			52	42	1	4	5		
14	B1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	F1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	I1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	J1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J1	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	K1	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	L1	1	65	55	1	4	5	0	0
14	L1	1	65	55	1	4	5	0	0
14	M1	1	54	44	1	4	5	0	0
14	X1	1	45	35	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	59	49	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	51	41	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	54	44	1	4	5	0	0
14	A2	1	60	50	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A2	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			61	51	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A2	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A2	1	65	55	1	4	5	0	0
14	A2	1	47	37	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	51	41	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	41	33	1	4	3	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	45	35	1	4	5	0	0
14	B2	1	45	35	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B2	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			46	36	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			58	48	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B2	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	F2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	F2	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	J2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	K2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	M2	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	X2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A3	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			61	51	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	50	40	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	54	44	1	4	5	0	0
14	A3	1	45	35	1	4	5	0	0
14	A3	1	51	41	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	47	37	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	51	41	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	41	33	1	4	3	0	0
14	A3	1	52	42	1	4	5	0	0
14	B3	1	52	42	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B3	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B3	1	45	35	1	4	5	0	0
14	B3	1	54	44	1	4	5	0	0
14	B3	1	46	36	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	49	39	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	58	48	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	60	50	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	47	37	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	F3	1	45	35	1	4	5	0	0
14	J3	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	J3	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	K3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	M3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	X3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			61	51	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A4	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	A4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			46	36	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			58	48	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			52	42	1	4	5		
14	F4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J4	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	K4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	X4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	59	49	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	51	41	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	45	35	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	54	44	1	4	5	0	0
14	A6	1	60	50	1	4	5	0	0
14	A6	1	45	35	1	4	5	0	0
14	A6	1	45	35	1	4	5	0	0
14	A6	1	49	39	1	4	5	0	0
14	A6	1	54	44	1	4	5	0	0
14	A6	1	54	44	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	61	51	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	49	39	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A6	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	A6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B6	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			46	36	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			58	48	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	F6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	I6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	J6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	J6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J6	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	K6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	M6	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	X6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
14	A5	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			61	51	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			52	42	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			52	42	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	55	45	1	4	5	0	0
14	B5	1	59	49	1	4	5	0	0
14	B5	1	60	50	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	47	37	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	55	45	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	54	44	1	4	5	0	0
14	B5	1	46	36	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0

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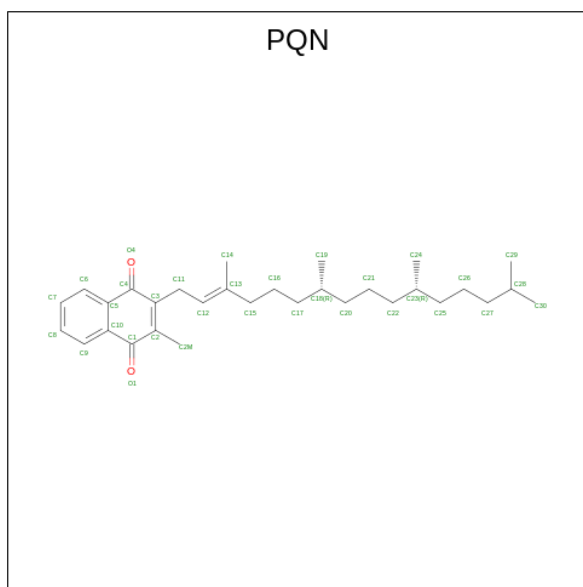
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			58	48	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	F5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J5	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	K5	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	K5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	L5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	X5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

- Molecule 15 is PHYLLOQUINONE (three-letter code: PQN) (formula: C<sub>31</sub>H<sub>46</sub>O<sub>2</sub>).



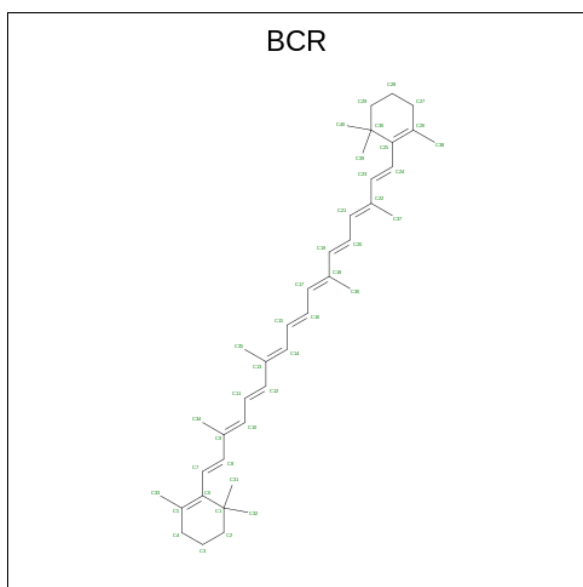
Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
15	A1	1	Total	C	O	0	0
			33	31	2		
15	B1	1	Total	C	O	0	0
			33	31	2		
15	A2	1	Total	C	O	0	0
			33	31	2		
15	B2	1	Total	C	O	0	0
			33	31	2		
15	A3	1	Total	C	O	0	0
			33	31	2		
15	B3	1	Total	C	O	0	0
			33	31	2		
15	A4	1	Total	C	O	0	0
			33	31	2		
15	B4	1	Total	C	O	0	0
			33	31	2		
15	A6	1	Total	C	O	0	0
			33	31	2		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
15	B6	1	Total	C O	0	0
			33	31 2		
15	A5	1	Total	C O	0	0
			33	31 2		
15	B5	1	Total	C O	0	0
			33	31 2		

- Molecule 16 is BETA-CAROTENE (three-letter code: BCR) (formula: C<sub>40</sub>H<sub>56</sub>).



Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
16	A1	1	Total	C	0	0
			40	40		
16	A1	1	Total	C	0	0
			40	40		
16	A1	1	Total	C	0	0
			40	40		
16	A1	1	Total	C	0	0
			40	40		
16	A1	1	Total	C	0	0
			40	40		
16	B1	1	Total	C	0	0
			40	40		
16	B1	1	Total	C	0	0
			40	40		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	B1	1	Total C 40 40	0	0
16	B1	1	Total C 25 25	0	0
16	B1	1	Total C 40 40	0	0
16	B1	1	Total C 40 40	0	0
16	B1	1	Total C 40 40	0	0
16	B1	1	Total C 40 40	0	0
16	F1	1	Total C 40 40	0	0
16	I1	1	Total C 40 40	0	0
16	I1	1	Total C 40 40	0	0
16	J1	1	Total C 40 40	0	0
16	J1	1	Total C 40 40	0	0
16	L1	1	Total C 40 40	0	0
16	L1	1	Total C 40 40	0	0
16	M1	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	B2	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	B2	1	Total C 40 40	0	0
16	B2	1	Total C 40 40	0	0
16	B2	1	Total C 25 25	0	0
16	B2	1	Total C 40 40	0	0
16	B2	1	Total C 40 40	0	0
16	B2	1	Total C 40 40	0	0
16	F2	1	Total C 40 40	0	0
16	F2	1	Total C 40 40	0	0
16	I2	1	Total C 40 40	0	0
16	J2	1	Total C 40 40	0	0
16	J2	1	Total C 40 40	0	0
16	L2	1	Total C 40 40	0	0
16	L2	1	Total C 40 40	0	0
16	L2	1	Total C 40 40	0	0
16	M2	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A3	1	Total C 40 40	0	0
16	B3	1	Total C 40 40	0	0
16	B3	1	Total C 40 40	0	0
16	B3	1	Total C 40 40	0	0
16	B3	1	Total C 25 25	0	0
16	B3	1	Total C 40 40	0	0
16	B3	1	Total C 40 40	0	0
16	F3	1	Total C 40 40	0	0
16	F3	1	Total C 40 40	0	0
16	I3	1	Total C 40 40	0	0
16	I3	1	Total C 40 40	0	0
16	J3	1	Total C 40 40	0	0
16	J3	1	Total C 40 40	0	0
16	L3	1	Total C 40 40	0	0
16	L3	1	Total C 40 40	0	0
16	M3	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A4	1	Total C 40 40	0	0
16	B4	1	Total C 40 40	0	0
16	B4	1	Total C 40 40	0	0
16	B4	1	Total C 40 40	0	0
16	B4	1	Total C 25 25	0	0
16	B4	1	Total C 40 40	0	0
16	B4	1	Total C 40 40	0	0
16	F4	1	Total C 40 40	0	0
16	F4	1	Total C 40 40	0	0
16	F4	1	Total C 40 40	0	0
16	I4	1	Total C 40 40	0	0
16	I4	1	Total C 40 40	0	0
16	J4	1	Total C 40 40	0	0
16	J4	1	Total C 40 40	0	0
16	L4	1	Total C 40 40	0	0
16	L4	1	Total C 40 40	0	0
16	M4	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0

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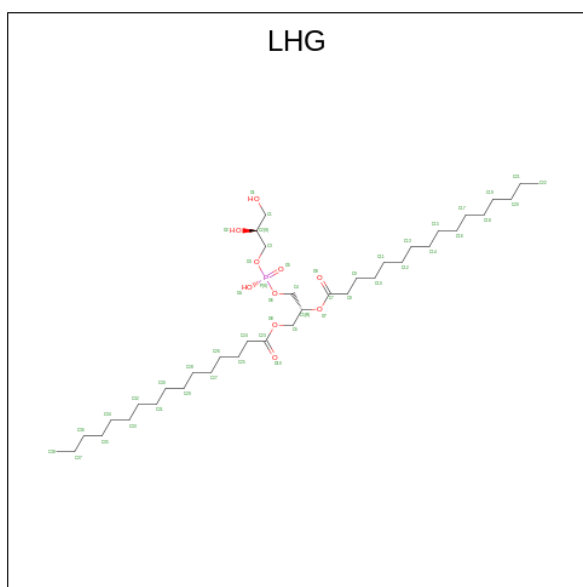
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	B6	1	Total C 40 40	0	0
16	B6	1	Total C 40 40	0	0
16	B6	1	Total C 40 40	0	0
16	B6	1	Total C 25 25	0	0
16	B6	1	Total C 40 40	0	0
16	B6	1	Total C 40 40	0	0
16	F6	1	Total C 40 40	0	0
16	F6	1	Total C 40 40	0	0
16	I6	1	Total C 40 40	0	0
16	J6	1	Total C 40 40	0	0
16	J6	1	Total C 40 40	0	0
16	L6	1	Total C 40 40	0	0
16	L6	1	Total C 40 40	0	0
16	L6	1	Total C 40 40	0	0
16	M6	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	B5	1	Total C 40 40	0	0
16	B5	1	Total C 40 40	0	0
16	B5	1	Total C 40 40	0	0
16	B5	1	Total C 25 25	0	0
16	B5	1	Total C 40 40	0	0
16	B5	1	Total C 40 40	0	0
16	F5	1	Total C 40 40	0	0
16	I5	1	Total C 40 40	0	0
16	I5	1	Total C 40 40	0	0
16	J5	1	Total C 40 40	0	0
16	J5	1	Total C 40 40	0	0
16	J5	1	Total C 40 40	0	0
16	L5	1	Total C 40 40	0	0
16	L5	1	Total C 40 40	0	0
16	M5	1	Total C 40 40	0	0

- Molecule 17 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: C<sub>38</sub>H<sub>75</sub>O<sub>10</sub>P).



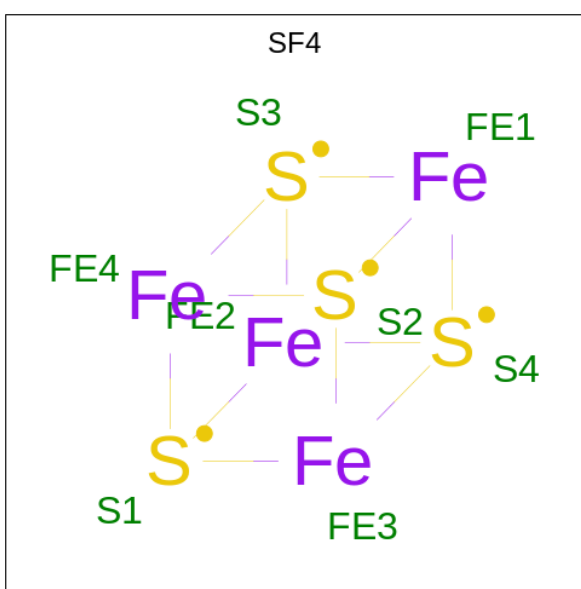
Mol	Chain	Residues	Atoms			ZeroOcc	AltConf	
			Total	C	O			P
17	A1	1	49	38	10	1	0	0
17	A1	1	27	16	10	1	0	0
17	B1	1	23	12	10	1	0	0
17	A2	1	49	38	10	1	0	0
17	A2	1	27	16	10	1	0	0
17	B2	1	23	12	10	1	0	0
17	A3	1	49	38	10	1	0	0
17	A3	1	27	16	10	1	0	0
17	X3	1	23	12	10	1	0	0
17	A4	1	49	38	10	1	0	0
17	A4	1	27	16	10	1	0	0
17	X4	1	23	12	10	1	0	0
17	A6	1	49	38	10	1	0	0
17	A6	1	27	16	10	1	0	0

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
			Total	C	O	P		
17	B6	1	Total 23	C 12	O 10	P 1	0	0
17	A5	1	Total 49	C 38	O 10	P 1	0	0
17	A5	1	Total 27	C 16	O 10	P 1	0	0
17	X5	1	Total 23	C 12	O 10	P 1	0	0

- Molecule 18 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe<sub>4</sub>S<sub>4</sub>).



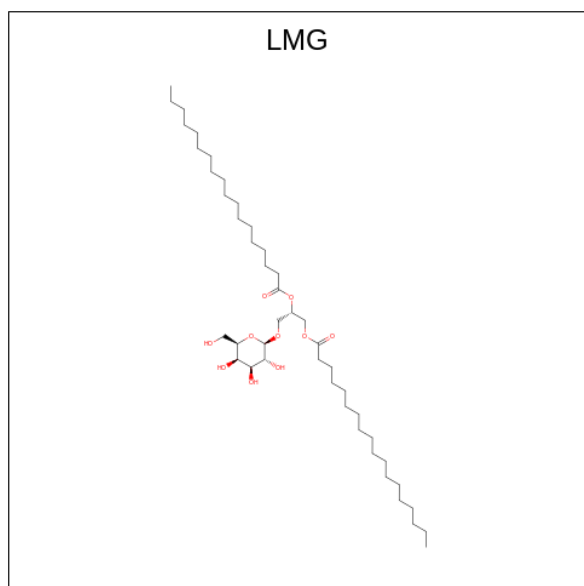
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
			Total	Fe S		
18	A1	1	Total 8	Fe 4 S 4	0	0
18	C1	1	Total 8	Fe 4 S 4	0	0
18	C1	1	Total 8	Fe 4 S 4	0	0
18	A2	1	Total 8	Fe 4 S 4	0	0
18	C2	1	Total 8	Fe 4 S 4	0	0
18	C2	1	Total 8	Fe 4 S 4	0	0
18	A3	1	Total 8	Fe 4 S 4	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
18	C3	1	Total	Fe	S	0	0
			8	4	4		
18	C3	1	Total	Fe	S	0	0
			8	4	4		
18	A4	1	Total	Fe	S	0	0
			8	4	4		
18	C4	1	Total	Fe	S	0	0
			8	4	4		
18	C4	1	Total	Fe	S	0	0
			8	4	4		
18	B6	1	Total	Fe	S	0	0
			8	4	4		
18	C6	1	Total	Fe	S	0	0
			8	4	4		
18	C6	1	Total	Fe	S	0	0
			8	4	4		
18	A5	1	Total	Fe	S	0	0
			8	4	4		
18	C5	1	Total	Fe	S	0	0
			8	4	4		
18	C5	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 19 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula:  $C_{45}H_{86}O_{10}$ ).



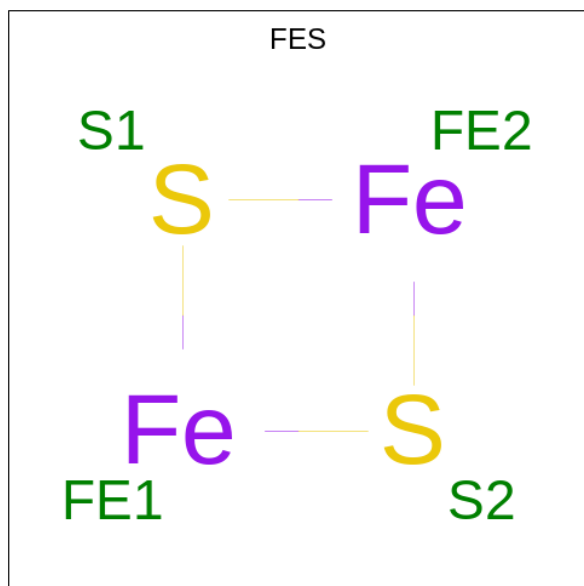


Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
19	B1	1	Total C O 55 45 10	0	0
19	B2	1	Total C O 55 45 10	0	0
19	B3	1	Total C O 55 45 10	0	0
19	B4	1	Total C O 55 45 10	0	0
19	B6	1	Total C O 55 45 10	0	0
19	B5	1	Total C O 55 45 10	0	0

- Molecule 20 is CALCIUM ION (three-letter code: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
20	L1	2	Total Ca 2 2	0	0
20	L2	1	Total Ca 1 1	0	0
20	L4	2	Total Ca 2 2	0	0
20	L6	1	Total Ca 1 1	0	0

- Molecule 21 is FE2/S2 (INORGANIC) CLUSTER (three-letter code: FES) (formula: Fe<sub>2</sub>S<sub>2</sub>).

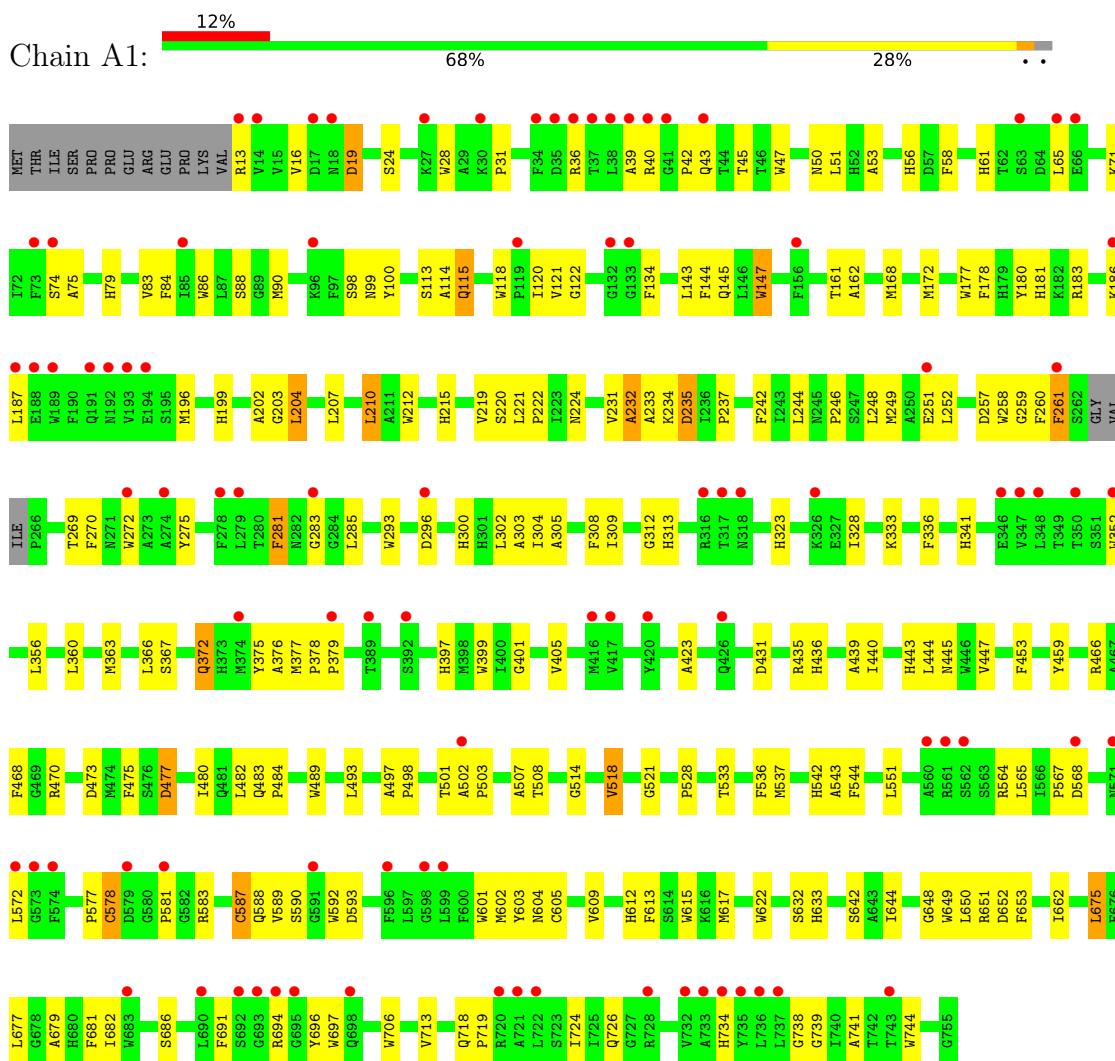


Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
21	P1	1	Total 4	Fe 2	S 2	0	0
21	P2	1	Total 4	Fe 2	S 2	0	0
21	P3	1	Total 4	Fe 2	S 2	0	0
21	P4	1	Total 4	Fe 2	S 2	0	0
21	P6	1	Total 4	Fe 2	S 2	0	0
21	P5	1	Total 4	Fe 2	S 2	0	0

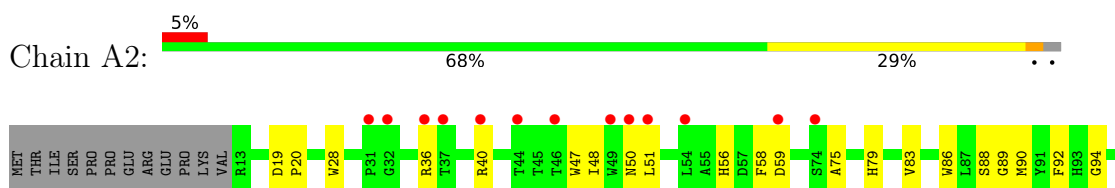
### 3 Residue-property plots

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density ( $RSRZ > 2$ ). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

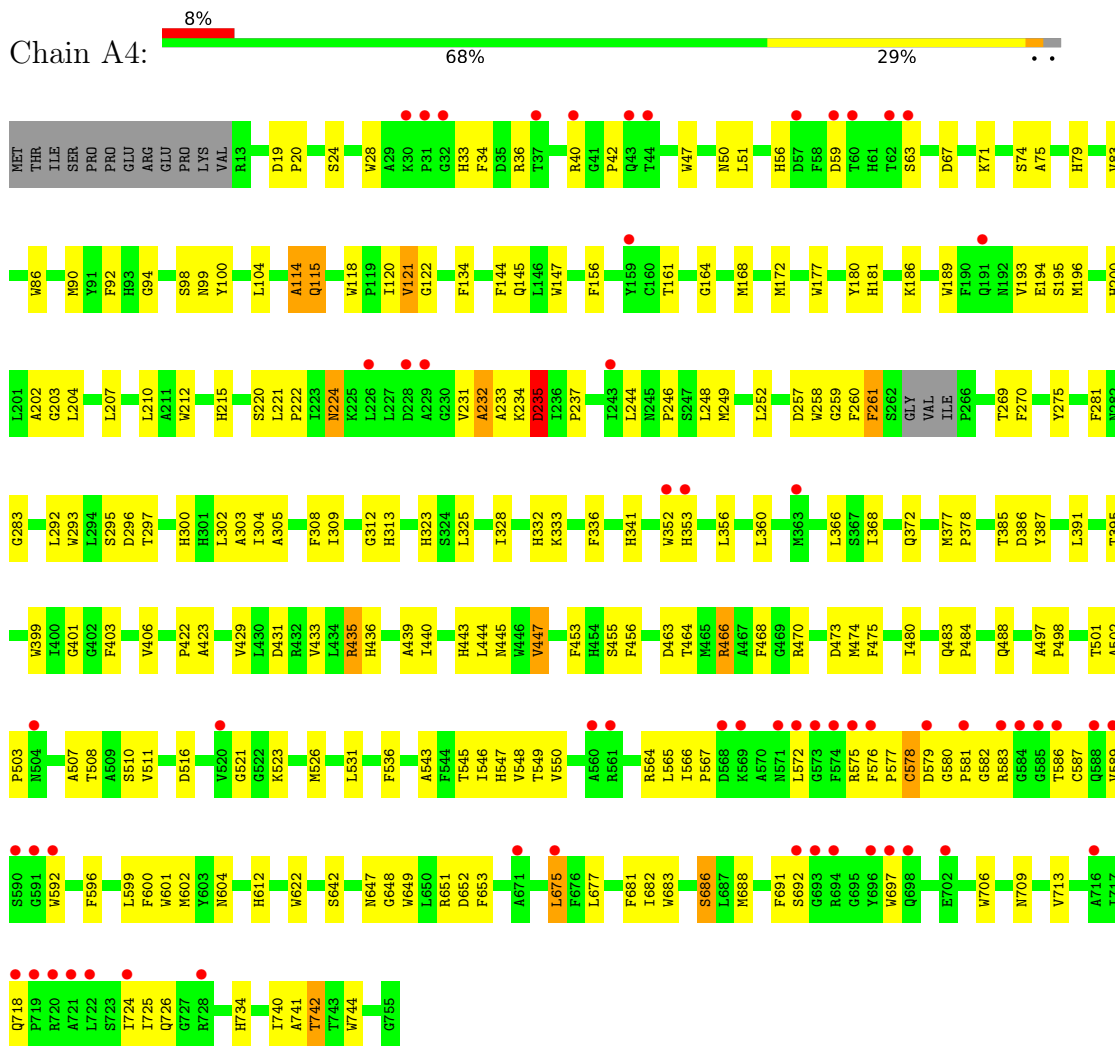
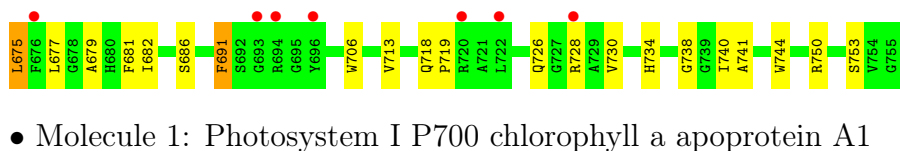
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



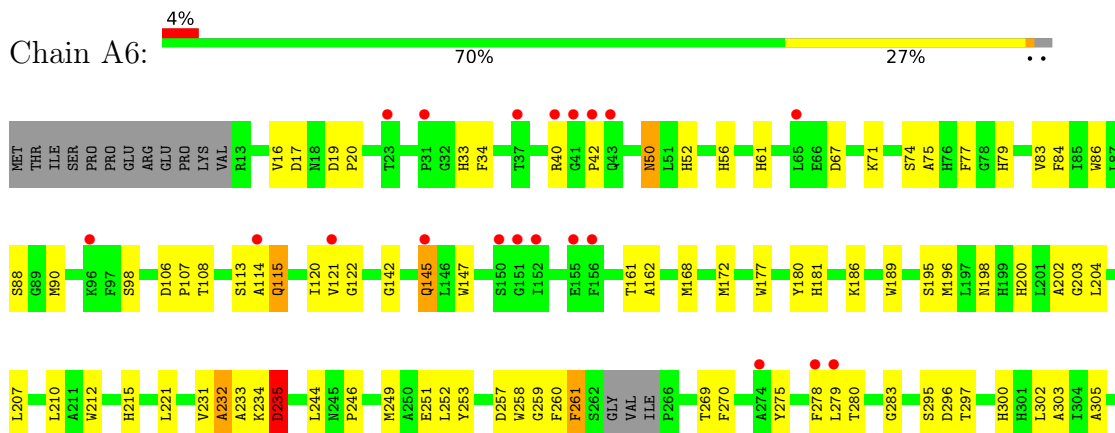
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

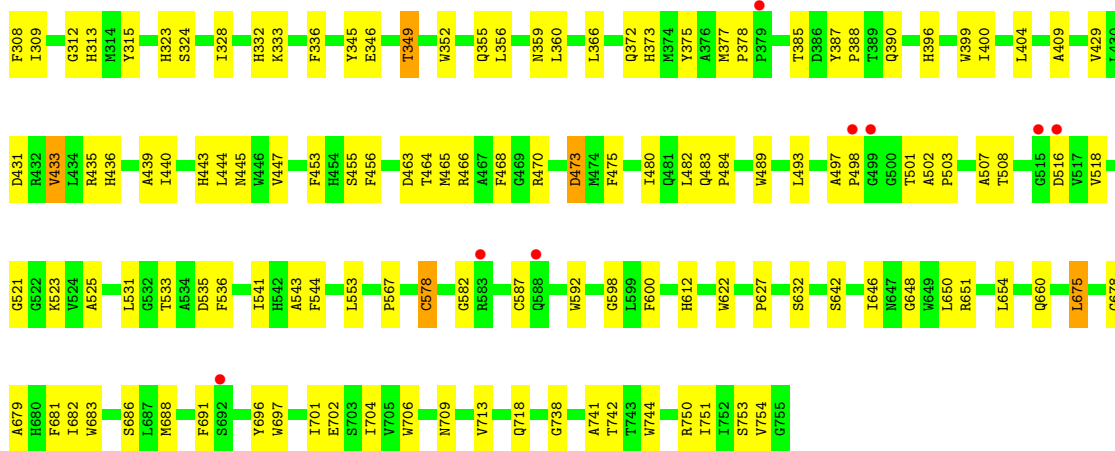




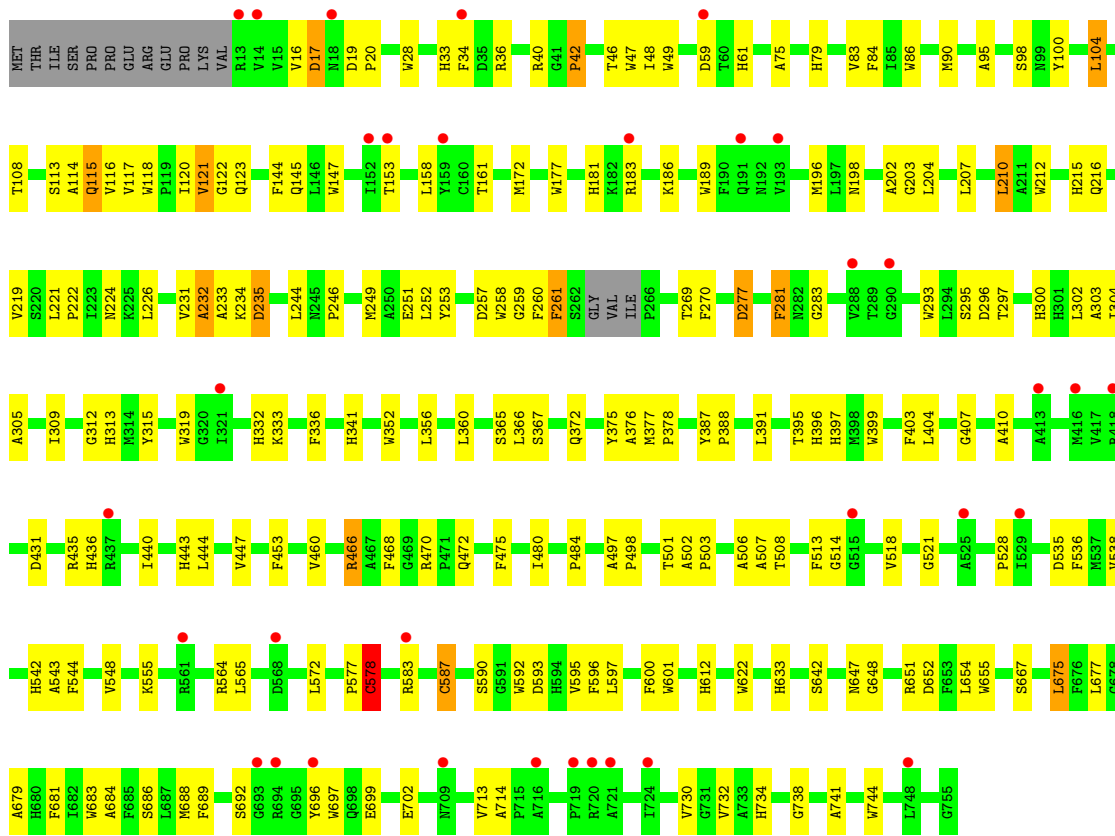


● Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

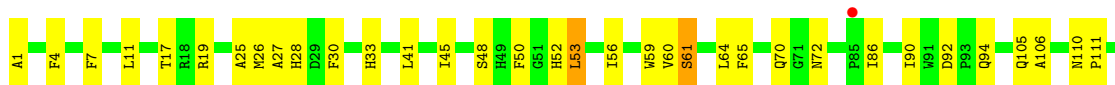




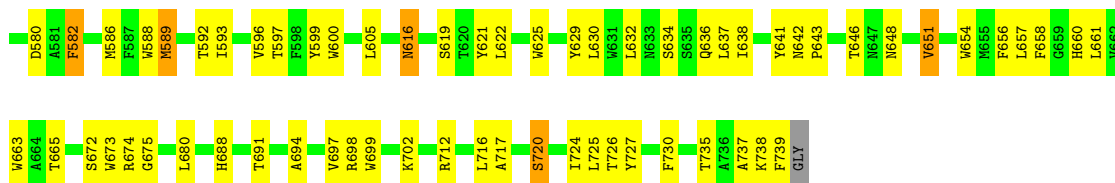
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



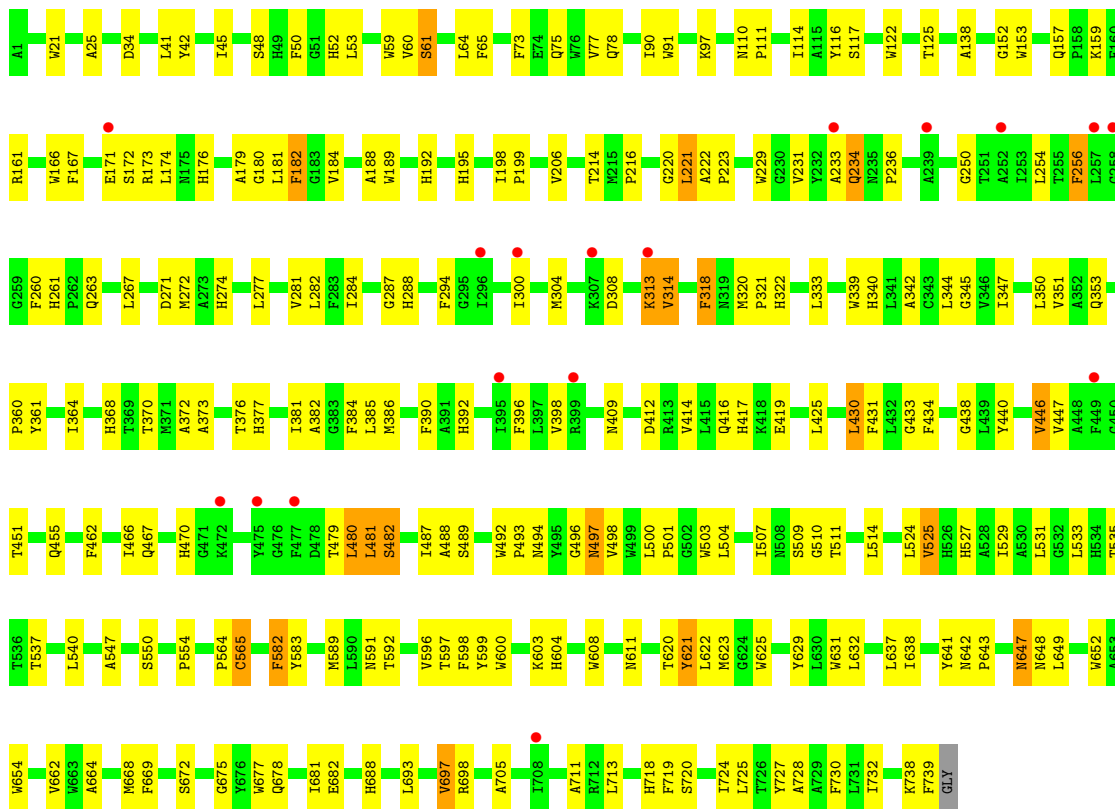
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



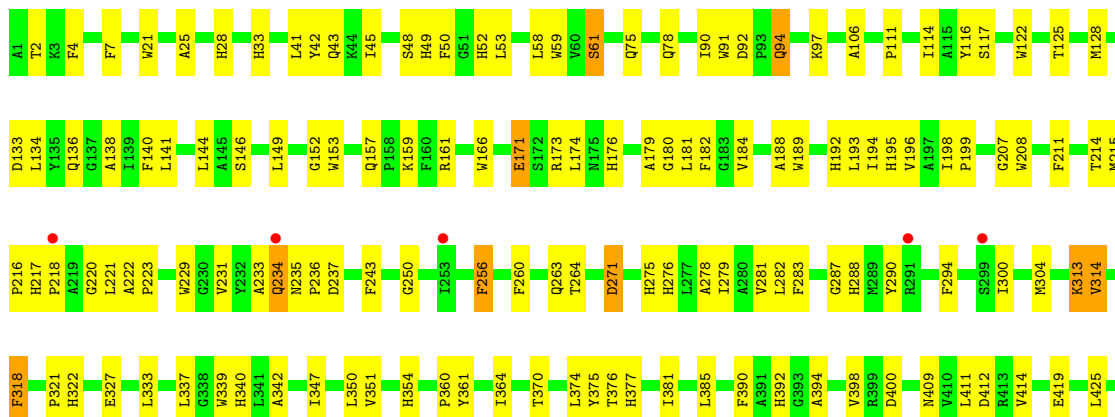




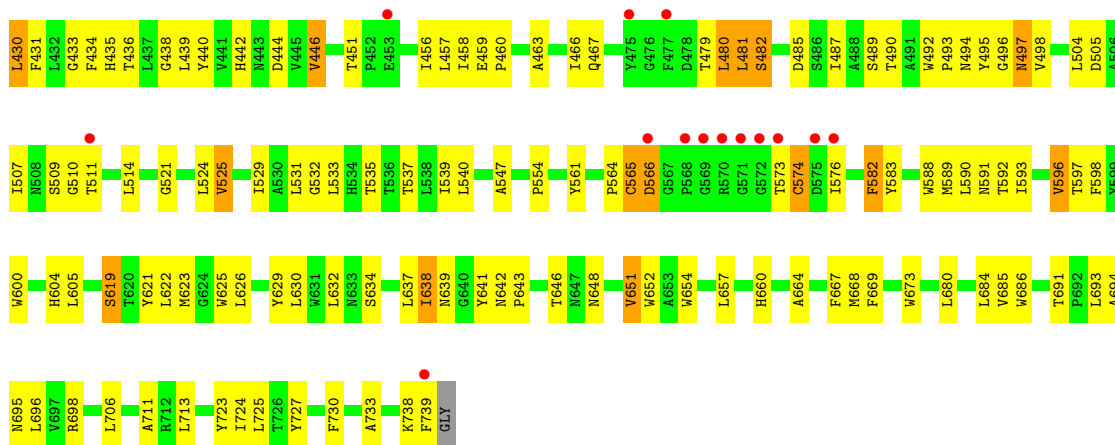
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



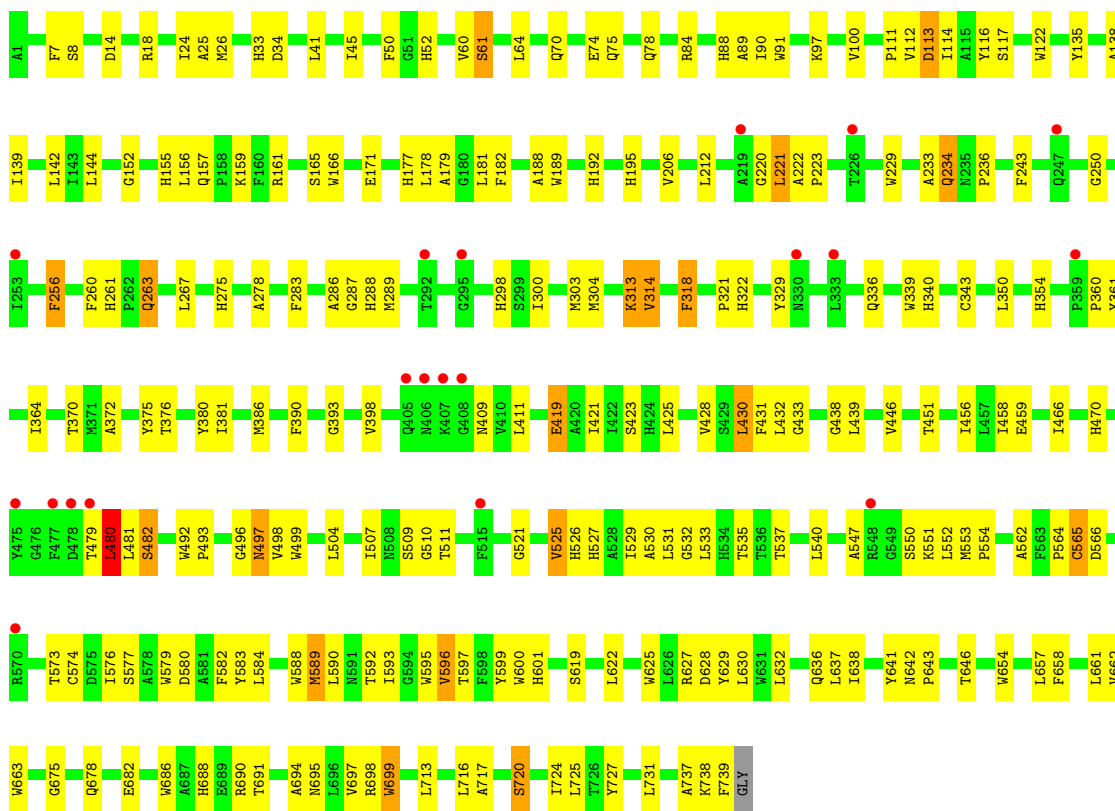
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



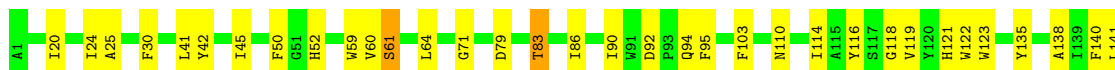


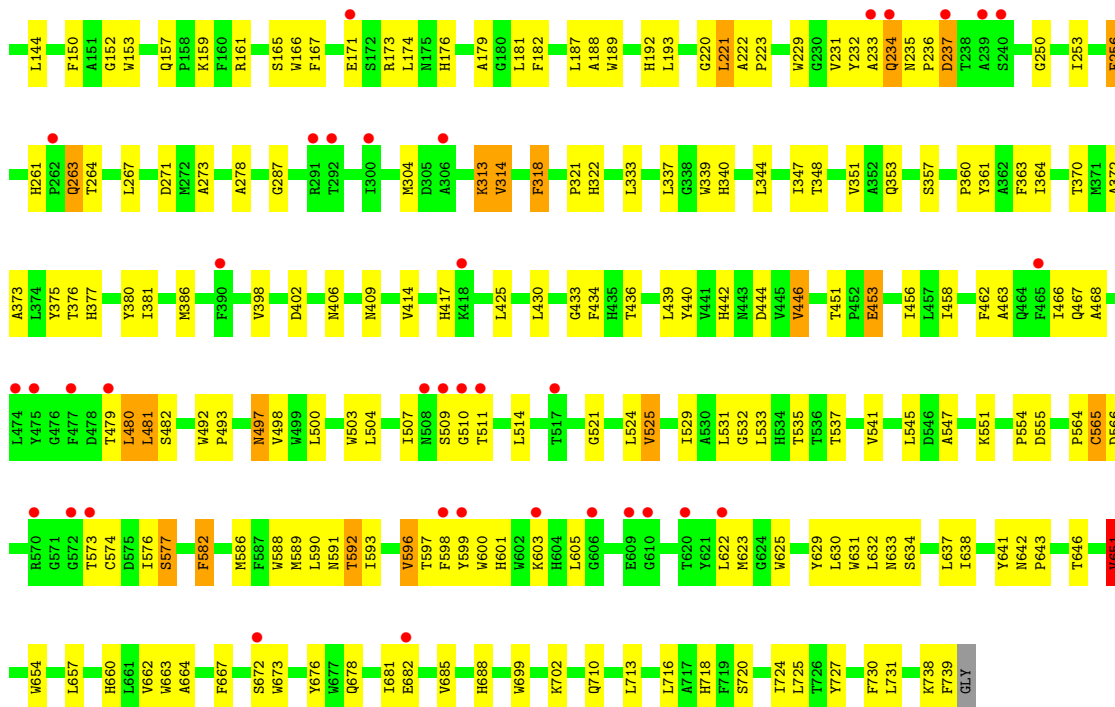


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

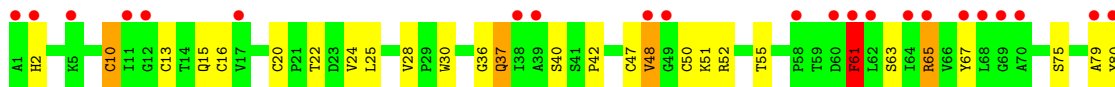


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

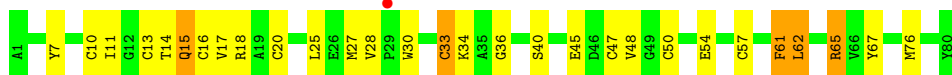




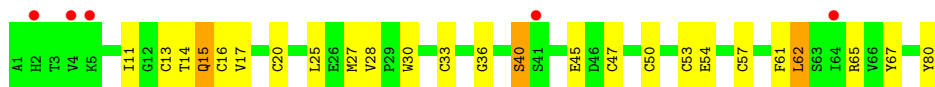
● Molecule 3: Photosystem I iron-sulfur center



● Molecule 3: Photosystem I iron-sulfur center



● Molecule 3: Photosystem I iron-sulfur center



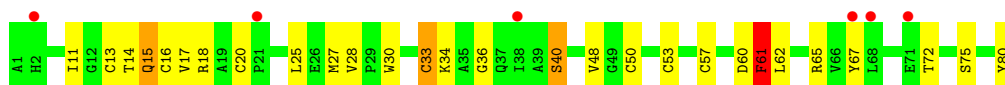
● Molecule 3: Photosystem I iron-sulfur center



Y80

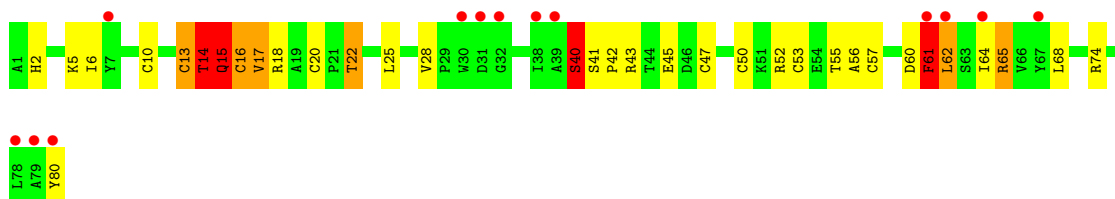
- Molecule 3: Photosystem I iron-sulfur center

Chain C6:  8% 65% 30%




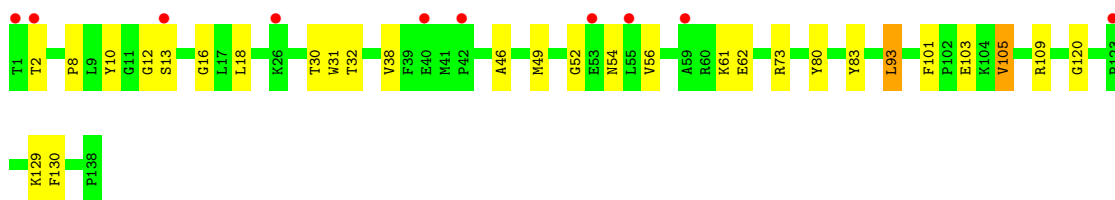
- Molecule 3: Photosystem I iron-sulfur center

Chain C5:  16% 58% 30% 8% 5%




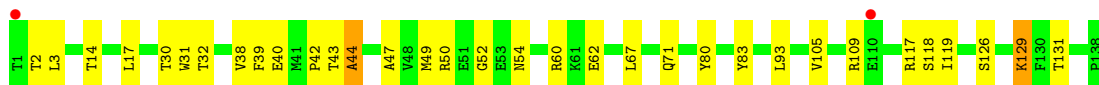
- Molecule 4: Photosystem I reaction center subunit II

Chain D1:  7% 79% 20%




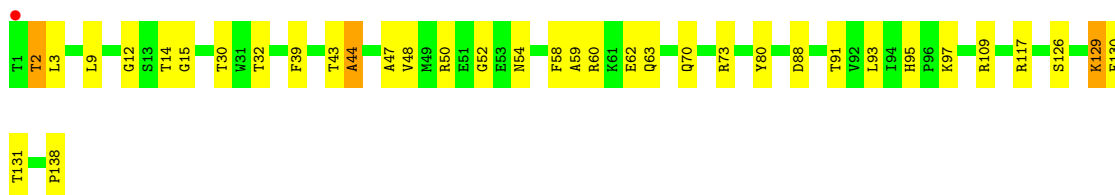
- Molecule 4: Photosystem I reaction center subunit II

Chain D2:  % 76% 22%

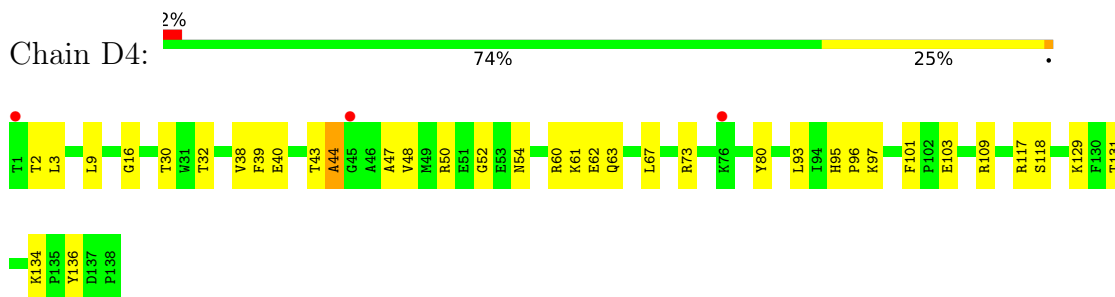


- Molecule 4: Photosystem I reaction center subunit II

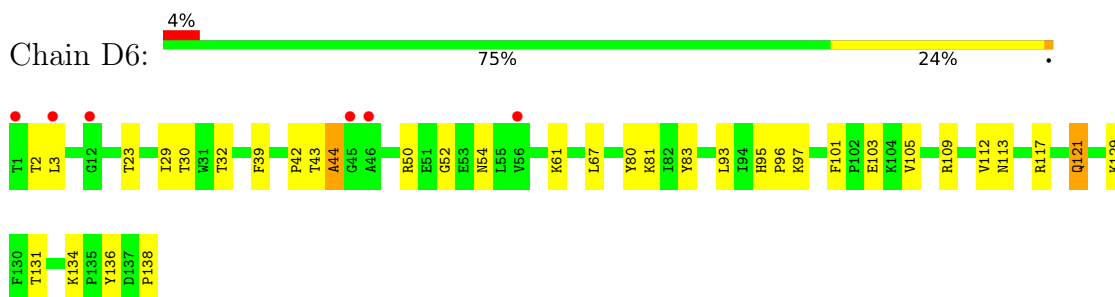
Chain D3:  % 74% 24%



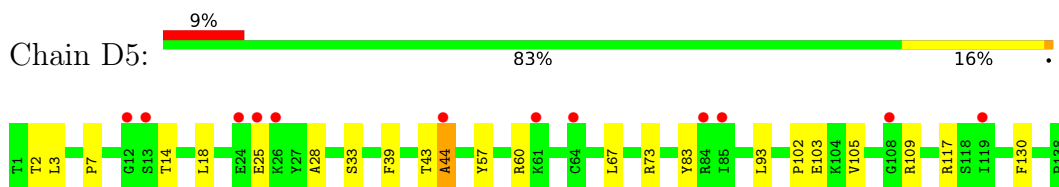
- Molecule 4: Photosystem I reaction center subunit II



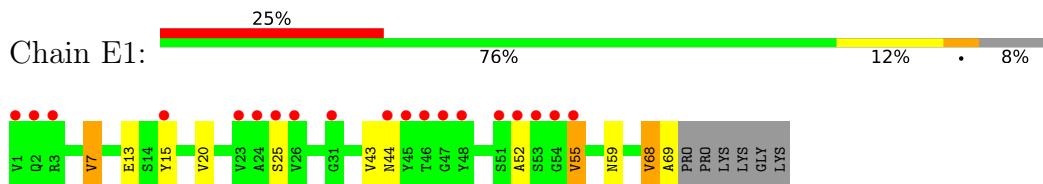
- Molecule 4: Photosystem I reaction center subunit II



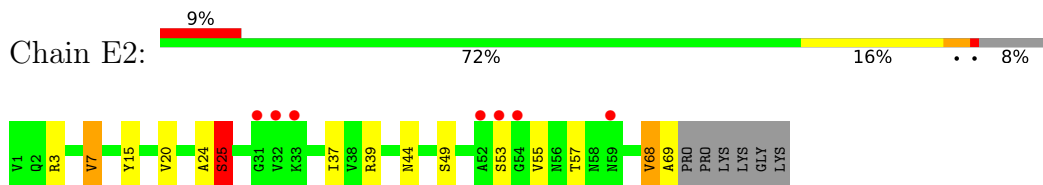
- Molecule 4: Photosystem I reaction center subunit II



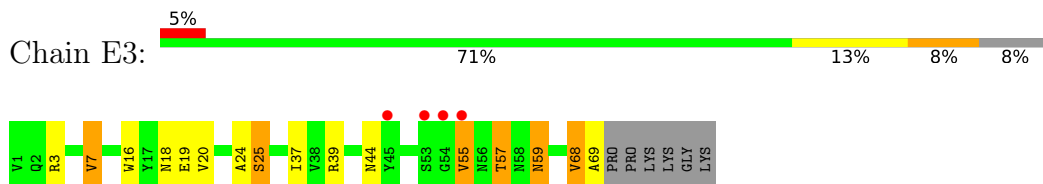
- Molecule 5: Photosystem I reaction center subunit IV



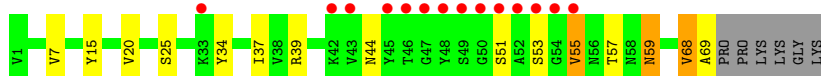
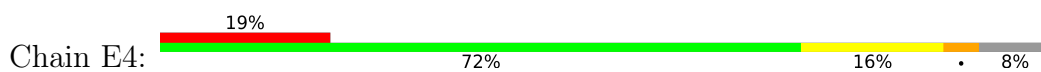
- Molecule 5: Photosystem I reaction center subunit IV



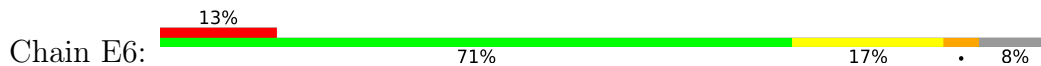
- Molecule 5: Photosystem I reaction center subunit IV



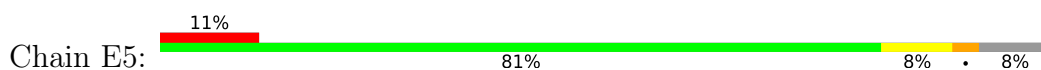
- Molecule 5: Photosystem I reaction center subunit IV



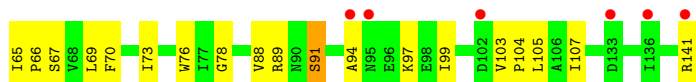
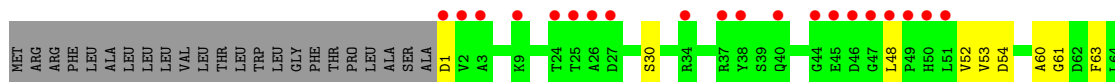
- Molecule 5: Photosystem I reaction center subunit IV



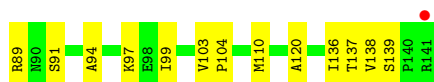
- Molecule 5: Photosystem I reaction center subunit IV



- Molecule 6: Photosystem I reaction center subunit III

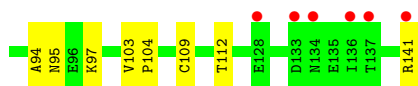


- Molecule 6: Photosystem I reaction center subunit III

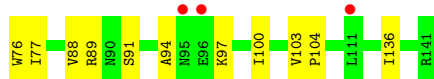
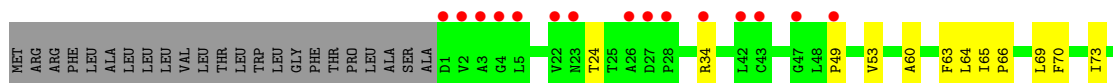
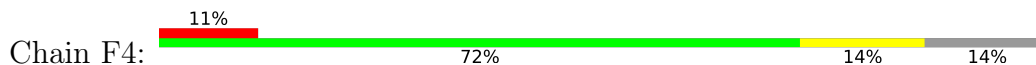


- Molecule 6: Photosystem I reaction center subunit III

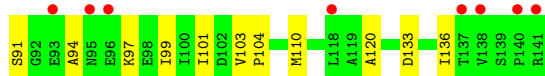
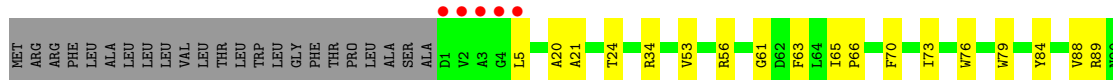




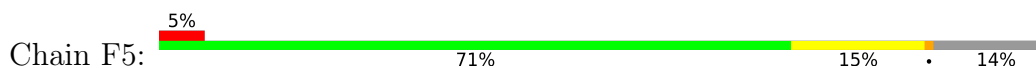
- Molecule 6: Photosystem I reaction center subunit III



- Molecule 6: Photosystem I reaction center subunit III



- Molecule 6: Photosystem I reaction center subunit III



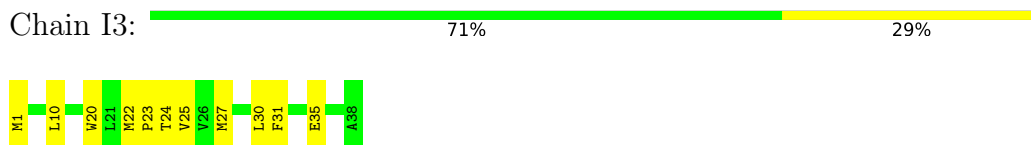
- Molecule 7: Photosystem I reaction center subunit VIII



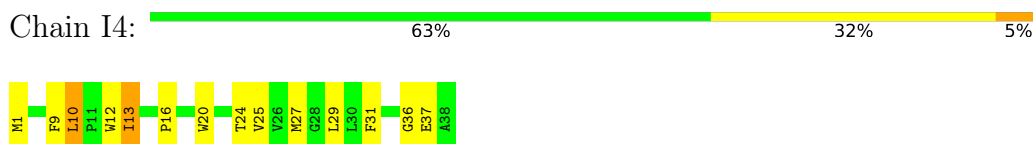
- Molecule 7: Photosystem I reaction center subunit VIII



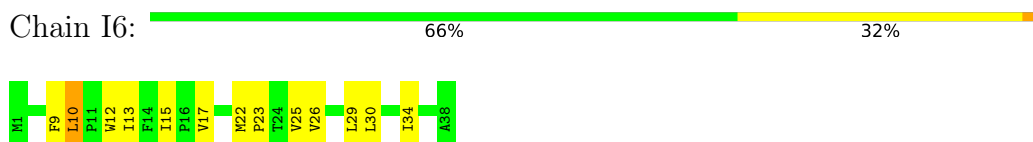
- Molecule 7: Photosystem I reaction center subunit VIII



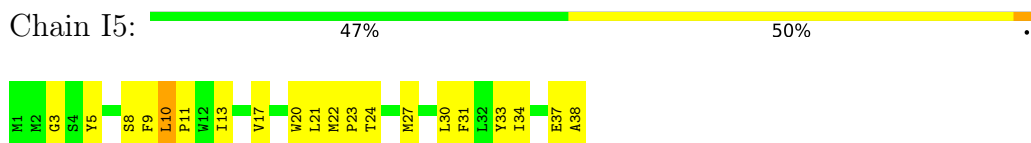
- Molecule 7: Photosystem I reaction center subunit VIII



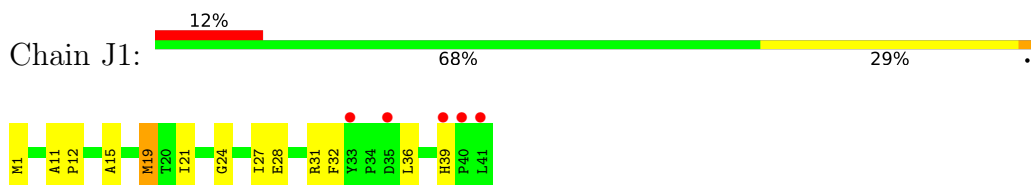
- Molecule 7: Photosystem I reaction center subunit VIII



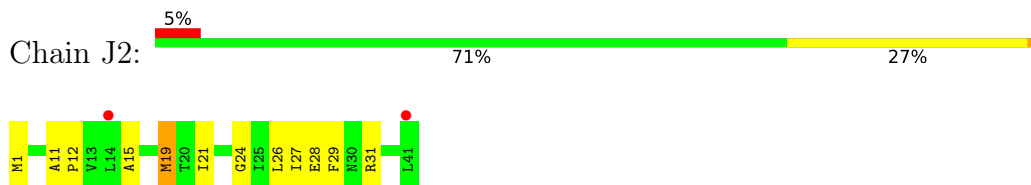
- Molecule 7: Photosystem I reaction center subunit VIII



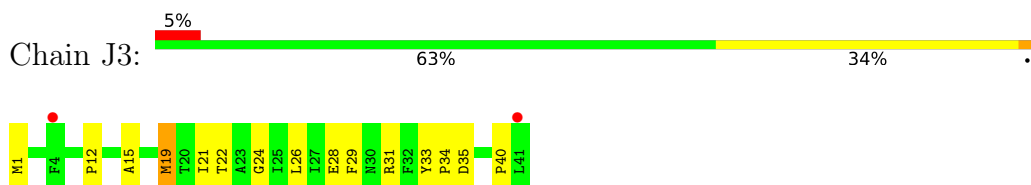
- Molecule 8: Photosystem I reaction center subunit IX



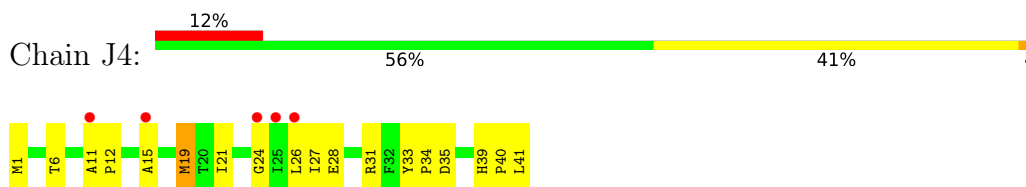
- Molecule 8: Photosystem I reaction center subunit IX



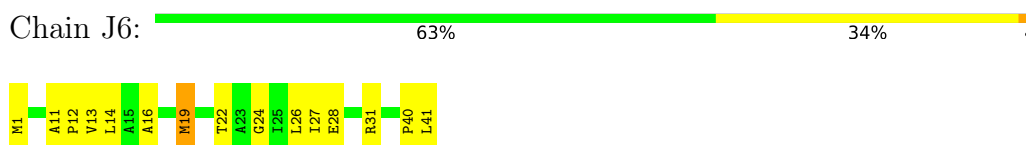
- Molecule 8: Photosystem I reaction center subunit IX



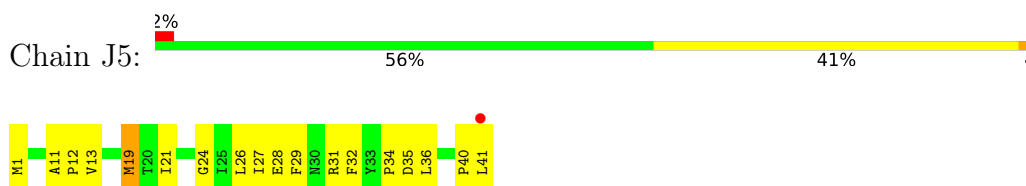
- Molecule 8: Photosystem I reaction center subunit IX



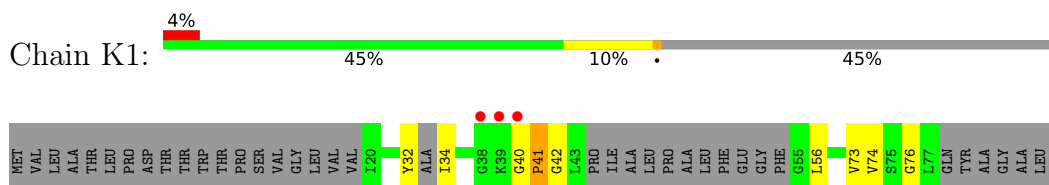
- Molecule 8: Photosystem I reaction center subunit IX



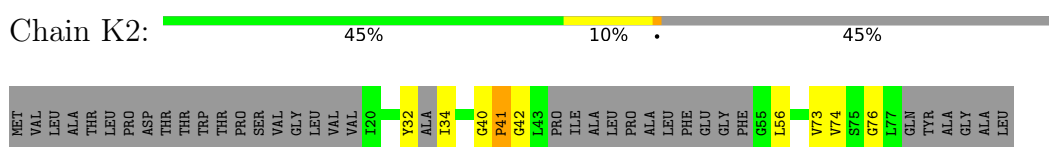
- Molecule 8: Photosystem I reaction center subunit IX



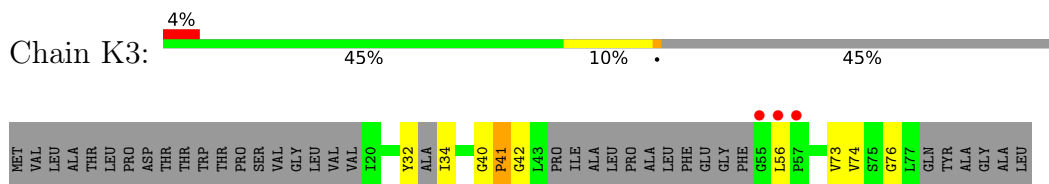
- Molecule 9: Photosystem I reaction center subunit PsaK



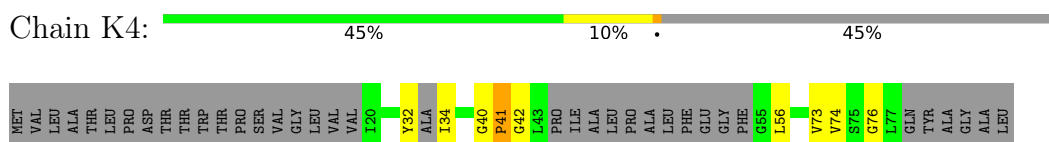
- Molecule 9: Photosystem I reaction center subunit PsaK



- Molecule 9: Photosystem I reaction center subunit PsaK

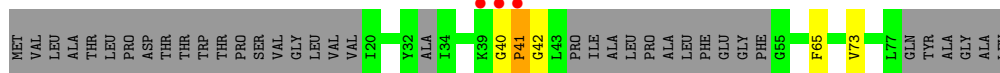


- Molecule 9: Photosystem I reaction center subunit PsaK

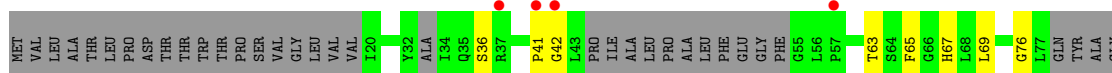




- Molecule 9: Photosystem I reaction center subunit PsaK

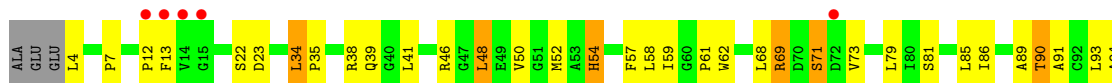


- Molecule 9: Photosystem I reaction center subunit PsaK

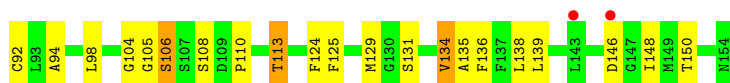


ALA  
LEU

- Molecule 10: Photosystem I reaction center subunit XI



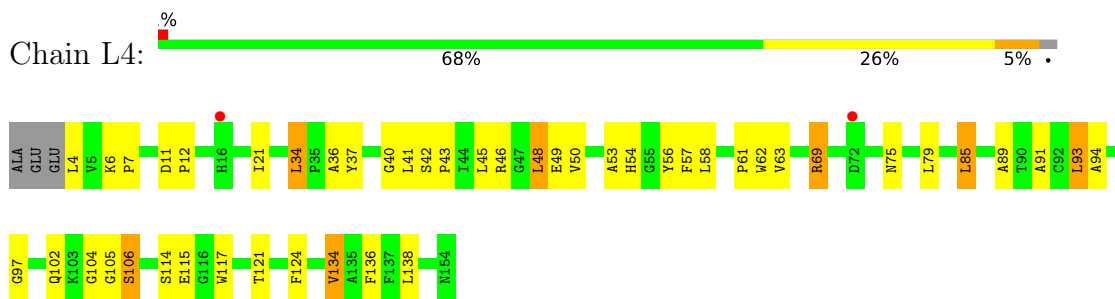
- Molecule 10: Photosystem I reaction center subunit XI



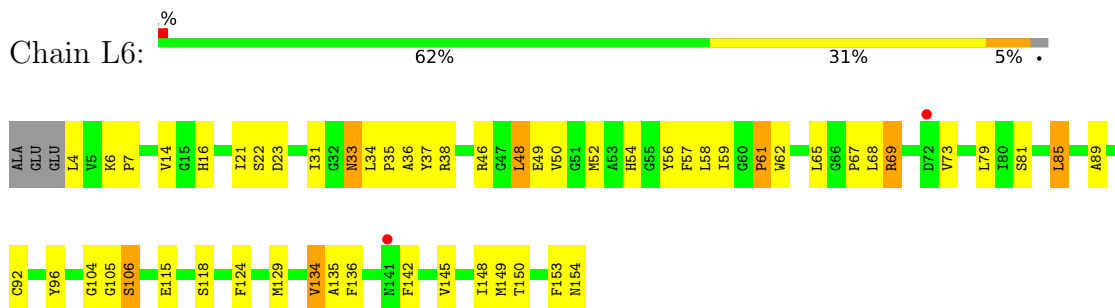
- Molecule 10: Photosystem I reaction center subunit XI



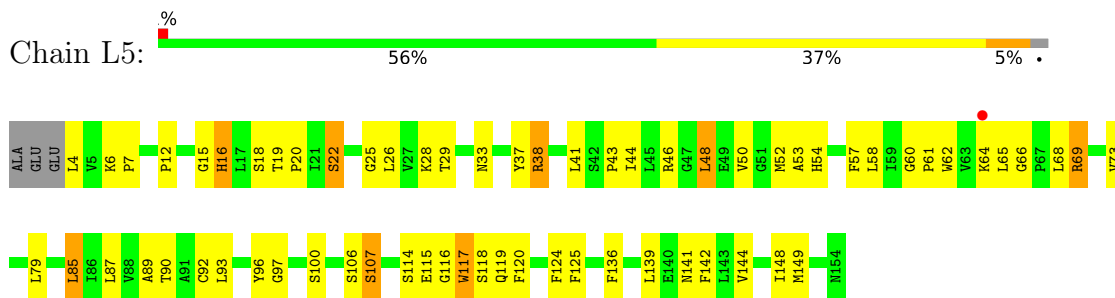
- Molecule 10: Photosystem I reaction center subunit XI



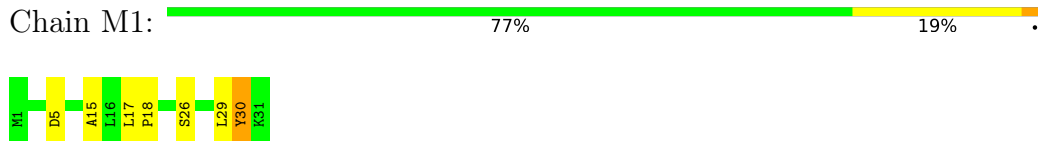
- Molecule 10: Photosystem I reaction center subunit XI



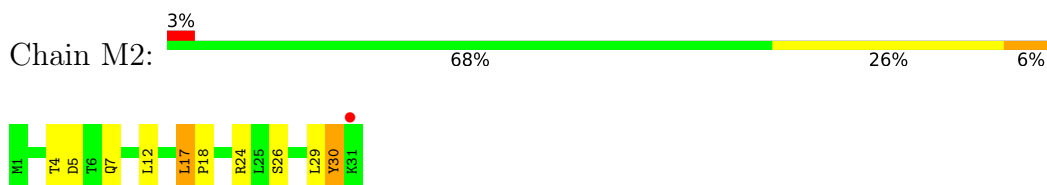
- Molecule 10: Photosystem I reaction center subunit XI



- Molecule 11: Photosystem I reaction center subunit XII



- Molecule 11: Photosystem I reaction center subunit XII



- Molecule 11: Photosystem I reaction center subunit XII





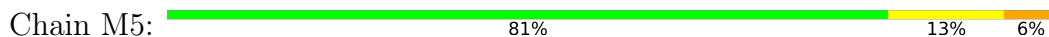
- Molecule 11: Photosystem I reaction center subunit XII



- Molecule 11: Photosystem I reaction center subunit XII



- Molecule 11: Photosystem I reaction center subunit XII



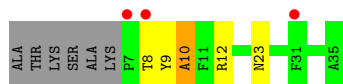
- Molecule 12: PsaX



- Molecule 12: PsaX



- Molecule 12: PsaX

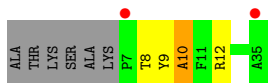
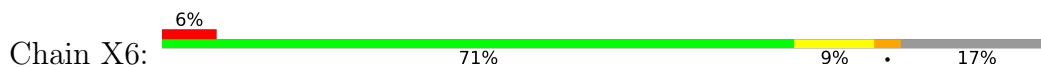


- Molecule 12: PsaX

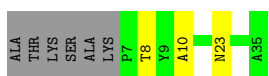
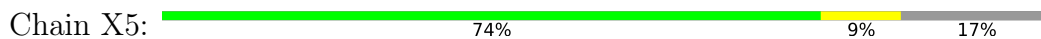




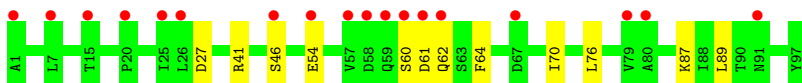
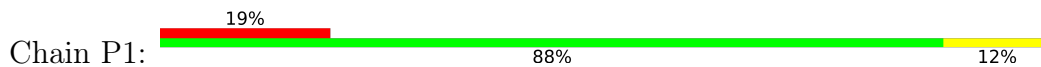
- Molecule 12: PsaX



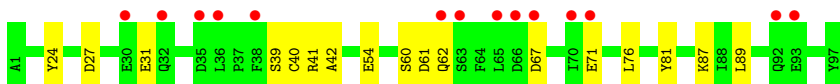
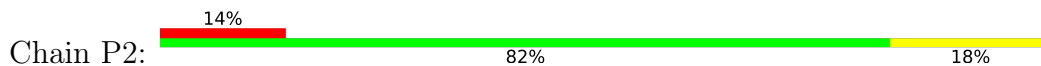
- Molecule 12: PsaX



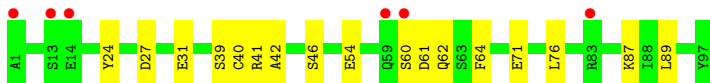
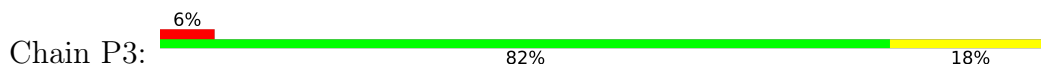
- Molecule 13: Ferredoxin-1



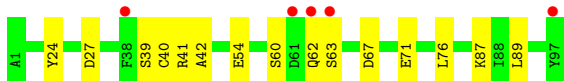
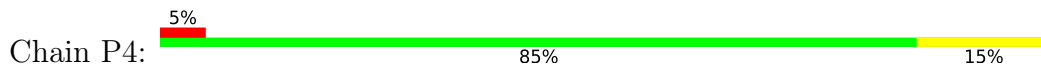
- Molecule 13: Ferredoxin-1



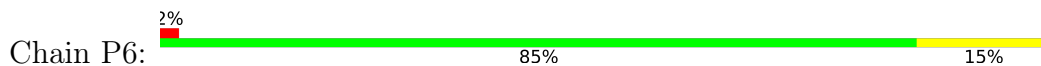
- Molecule 13: Ferredoxin-1



- Molecule 13: Ferredoxin-1

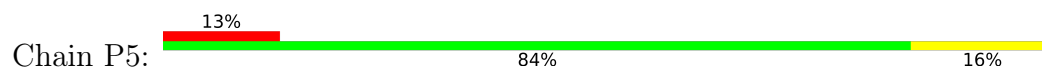


- Molecule 13: Ferredoxin-1





- Molecule 13: Ferredoxin-1



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	214.10Å 239.67Å 265.61Å 90.00° 101.08° 90.00°	Depositor
Resolution (Å)	158.04 – 4.20 144.70 – 4.20	Depositor EDS
% Data completeness (in resolution range)	99.9 (158.04-4.20) 99.9 (144.70-4.20)	Depositor EDS
$R_{merge}$	0.16	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	2.58 (at 4.15Å)	Xtrriage
Refinement program	REFMAC 5.8.0049	Depositor
R, $R_{free}$	0.353 , 0.377 0.358 , 0.379	Depositor DCC
$R_{free}$ test set	9617 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	131.8	Xtrriage
Anisotropy	0.204	Xtrriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.25 , 74.1	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.43$ , $\langle L^2 \rangle = 0.25$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
$F_o, F_c$ correlation	0.78	EDS
Total number of atoms	148494	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	162.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.03% of the height of the origin peak. No significant pseudotranslation is detected.*

<sup>1</sup>Intensities estimated from amplitudes.

<sup>2</sup>Theoretical values of  $\langle |L| \rangle$ ,  $\langle L^2 \rangle$  for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

## 5 Model quality

### 5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: LHG, LMG, CLA, PQN, BCR, CA, SF4, FES

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with  $|Z| > 5$  is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
1	A1	0.39	0/5983	0.63	1/8158 (0.0%)
1	A2	0.40	0/5983	0.64	1/8158 (0.0%)
1	A3	0.40	0/5983	0.65	1/8158 (0.0%)
1	A4	0.41	0/5983	0.66	2/8158 (0.0%)
1	A5	0.39	0/5983	0.64	1/8158 (0.0%)
1	A6	0.42	0/5983	0.67	1/8158 (0.0%)
2	B1	0.40	0/6096	0.62	0/8332
2	B2	0.39	0/6096	0.63	0/8332
2	B3	0.39	0/6096	0.63	1/8332 (0.0%)
2	B4	0.43	0/6096	0.68	1/8332 (0.0%)
2	B5	0.40	0/6096	0.63	1/8332 (0.0%)
2	B6	0.43	0/6096	0.65	1/8332 (0.0%)
3	C1	0.43	0/608	0.69	0/824
3	C2	0.46	0/608	0.79	0/824
3	C3	0.49	0/608	0.78	0/824
3	C4	0.51	0/608	0.83	3/824 (0.4%)
3	C5	0.45	0/608	0.84	0/824
3	C6	0.49	0/608	0.82	3/824 (0.4%)
4	D1	0.39	0/1101	0.63	0/1492
4	D2	0.40	0/1101	0.71	1/1492 (0.1%)
4	D3	0.46	0/1101	0.75	1/1492 (0.1%)
4	D4	0.45	0/1101	0.75	1/1492 (0.1%)
4	D5	0.39	0/1101	0.60	0/1492
4	D6	0.46	0/1101	0.74	1/1492 (0.1%)
5	E1	0.43	0/551	0.67	0/750
5	E2	0.44	0/551	0.70	0/750
5	E3	0.50	0/551	0.69	0/750
5	E4	0.48	0/551	0.69	0/750
5	E5	0.41	0/551	0.57	0/750
5	E6	0.42	0/551	0.68	0/750
6	F1	0.37	0/1087	0.62	0/1476
6	F2	0.36	0/1087	0.62	0/1476

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
6	F3	0.38	0/1087	0.63	0/1476
6	F4	0.39	0/1087	0.66	0/1476
6	F5	0.37	0/1087	0.56	0/1476
6	F6	0.36	0/1087	0.58	0/1476
7	I1	0.47	0/312	0.67	0/425
7	I2	0.42	0/312	0.70	0/425
7	I3	0.49	0/312	0.75	0/425
7	I4	0.50	0/312	0.77	0/425
7	I5	0.42	0/312	0.65	0/425
7	I6	0.43	0/312	0.60	0/425
8	J1	0.38	0/350	0.53	0/477
8	J2	0.37	0/350	0.60	0/477
8	J3	0.39	0/350	0.60	0/477
8	J4	0.39	0/350	0.63	0/477
8	J5	0.39	0/350	0.49	0/477
8	J6	0.38	0/350	0.55	0/477
9	K1	0.39	0/219	0.60	0/297
9	K2	0.34	0/219	0.61	0/297
9	K3	0.36	0/219	0.67	0/297
9	K4	0.36	0/219	0.65	0/297
9	K5	0.42	0/219	0.55	0/297
9	K6	0.38	0/219	0.55	0/297
10	L1	0.41	0/1148	0.67	0/1558
10	L2	0.40	0/1148	0.69	0/1558
10	L3	0.46	0/1148	0.72	0/1558
10	L4	0.47	0/1148	0.72	0/1558
10	L5	0.44	0/1148	0.62	0/1558
10	L6	0.43	0/1148	0.69	0/1558
11	M1	0.43	0/244	0.73	0/332
11	M2	0.45	0/244	0.72	0/332
11	M3	0.47	0/244	0.72	1/332 (0.3%)
11	M4	0.50	0/244	0.69	0/332
11	M5	0.45	0/244	0.69	0/332
11	M6	0.42	0/244	0.68	0/332
12	X1	0.37	0/242	0.55	0/332
12	X2	0.40	0/242	0.57	0/332
12	X3	0.38	0/242	0.57	0/332
12	X4	0.37	0/242	0.58	0/332
12	X5	0.39	0/242	0.46	0/332
12	X6	0.36	0/242	0.55	0/332
13	P1	0.46	0/758	0.73	1/1029 (0.1%)
13	P2	0.46	0/758	0.73	1/1029 (0.1%)
13	P3	0.46	0/758	0.73	1/1029 (0.1%)



Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
13	P4	0.46	0/758	0.73	1/1029 (0.1%)
13	P5	0.47	0/758	0.73	1/1029 (0.1%)
13	P6	0.46	0/758	0.73	1/1029 (0.1%)
All	All	0.41	0/112194	0.66	28/152892 (0.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
3	C1	0	1
3	C5	0	4
All	All	0	5

There are no bond length outliers.

The worst 5 of 28 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
4	D4	131	THR	N-CA-C	-6.86	92.48	111.00
4	D6	131	THR	N-CA-C	-6.73	92.83	111.00
4	D3	131	THR	N-CA-C	-6.71	92.88	111.00
4	D2	131	THR	N-CA-C	-6.33	93.92	111.00
2	B6	260	PHE	CB-CA-C	-6.27	97.86	110.40

There are no chirality outliers.

All (5) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
3	C1	61	PHE	Peptide
3	C5	14	THR	Peptide
3	C5	15	GLN	Peptide
3	C5	40	SER	Peptide
3	C5	60	ASP	Peptide

## 5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within

the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A1	5784	0	5641	277	0
1	A2	5784	0	5638	248	0
1	A3	5784	0	5641	228	0
1	A4	5784	0	5639	243	0
1	A5	5784	0	5637	228	0
1	A6	5784	0	5641	214	0
2	B1	5879	0	5634	469	0
2	B2	5879	0	5633	278	0
2	B3	5879	0	5634	317	0
2	B4	5879	0	5633	326	0
2	B5	5879	0	5634	292	0
2	B6	5879	0	5633	262	0
3	C1	598	0	586	33	0
3	C2	598	0	586	36	0
3	C3	598	0	587	34	0
3	C4	598	0	584	34	0
3	C5	598	0	586	49	0
3	C6	598	0	584	30	0
4	D1	1075	0	1077	18	0
4	D2	1075	0	1077	21	0
4	D3	1075	0	1077	20	0
4	D4	1075	0	1077	25	0
4	D5	1075	0	1077	13	0
4	D6	1075	0	1077	20	0
5	E1	539	0	528	7	0
5	E2	539	0	528	34	0
5	E3	539	0	528	21	0
5	E4	539	0	528	27	0
5	E5	539	0	528	12	0
5	E6	539	0	528	18	0
6	F1	1065	0	1077	24	0
6	F2	1065	0	1077	39	0
6	F3	1065	0	1077	21	0
6	F4	1065	0	1077	32	0
6	F5	1065	0	1077	21	0
6	F6	1065	0	1077	33	0
7	I1	301	0	306	29	0
7	I2	301	0	306	24	0
7	I3	301	0	306	15	0
7	I4	301	0	306	31	0
7	I5	301	0	306	19	0
7	I6	301	0	306	13	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
8	J1	338	0	347	22	0
8	J2	338	0	347	16	0
8	J3	338	0	347	19	0
8	J4	338	0	347	26	0
8	J5	338	0	347	25	0
8	J6	338	0	347	26	0
9	K1	222	0	110	7	0
9	K2	222	0	110	6	0
9	K3	222	0	110	4	0
9	K4	222	0	110	6	0
9	K5	222	0	110	2	0
9	K6	222	0	110	4	0
10	L1	1119	0	1125	45	0
10	L2	1119	0	1125	53	0
10	L3	1119	0	1125	64	0
10	L4	1119	0	1125	54	0
10	L5	1119	0	1125	66	0
10	L6	1119	0	1125	60	0
11	M1	241	0	264	5	0
11	M2	241	0	264	8	0
11	M3	241	0	264	21	0
11	M4	241	0	264	17	0
11	M5	241	0	264	6	0
11	M6	241	0	264	9	0
12	X1	233	0	231	6	0
12	X2	233	0	231	10	0
12	X3	233	0	231	8	0
12	X4	233	0	231	19	0
12	X5	233	0	231	0	0
12	X6	233	0	231	4	0
13	P1	748	0	705	37	0
13	P2	748	0	705	53	0
13	P3	748	0	705	34	0
13	P4	748	0	705	44	0
13	P5	748	0	705	33	0
13	P6	748	0	705	23	0
14	A1	2310	0	2272	156	0
14	A2	2615	0	2593	177	0
14	A3	2622	0	2603	179	0
14	A4	2485	0	2449	155	0
14	A5	2516	0	2502	154	0
14	A6	2420	0	2377	168	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	B1	2477	0	2443	439	0
14	B2	2295	0	2256	233	0
14	B3	2466	0	2419	302	0
14	B4	2531	0	2491	273	0
14	B5	2466	0	2419	242	0
14	B6	2295	0	2256	210	0
14	F1	45	0	33	1	0
14	F2	82	0	58	13	0
14	F3	45	0	33	3	0
14	F4	45	0	33	7	0
14	F5	45	0	33	4	0
14	F6	45	0	33	14	0
14	I1	65	0	72	3	0
14	I6	65	0	72	2	0
14	J1	82	0	58	12	0
14	J2	45	0	33	6	0
14	J3	82	0	58	6	0
14	J4	82	0	58	12	0
14	J5	82	0	58	9	0
14	J6	147	0	130	7	0
14	K1	45	0	33	4	0
14	K2	45	0	33	3	0
14	K3	45	0	33	1	0
14	K4	45	0	33	3	0
14	K5	86	0	62	1	0
14	K6	45	0	33	2	0
14	L1	325	0	360	25	0
14	L2	260	0	288	23	0
14	L3	240	0	249	32	0
14	L4	260	0	288	38	0
14	L5	305	0	321	41	0
14	L6	325	0	360	47	0
14	M1	54	0	48	3	0
14	M2	54	0	48	1	0
14	M3	45	0	33	11	0
14	M6	54	0	48	2	0
14	X1	45	0	33	2	0
14	X2	45	0	33	6	0
14	X3	45	0	33	1	0
14	X4	45	0	33	16	0
14	X5	45	0	33	2	0
14	X6	45	0	33	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
15	A1	33	0	46	3	0
15	A2	33	0	46	3	0
15	A3	33	0	46	2	0
15	A4	33	0	46	2	0
15	A5	33	0	46	2	0
15	A6	33	0	46	4	0
15	B1	33	0	46	5	0
15	B2	33	0	46	1	0
15	B3	33	0	46	3	0
15	B4	33	0	46	7	0
15	B5	33	0	46	2	0
15	B6	33	0	46	1	0
16	A1	240	0	336	33	0
16	A2	240	0	336	20	0
16	A3	280	0	392	27	0
16	A4	240	0	336	23	0
16	A5	280	0	392	24	0
16	A6	280	0	392	28	0
16	B1	305	0	425	32	0
16	B2	265	0	369	20	0
16	B3	225	0	313	25	0
16	B4	225	0	313	23	0
16	B5	225	0	313	18	0
16	B6	225	0	313	17	0
16	F1	40	0	56	2	0
16	F2	80	0	112	5	0
16	F3	80	0	112	3	0
16	F4	120	0	168	15	0
16	F5	40	0	56	2	0
16	F6	80	0	112	3	0
16	I1	80	0	112	12	0
16	I2	40	0	56	5	0
16	I3	80	0	112	7	0
16	I4	80	0	112	12	0
16	I5	80	0	112	5	0
16	I6	40	0	56	3	0
16	J1	80	0	112	13	0
16	J2	80	0	112	10	0
16	J3	80	0	112	6	0
16	J4	80	0	112	13	0
16	J5	120	0	168	22	0
16	J6	80	0	112	14	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	L1	80	0	112	12	0
16	L2	120	0	168	10	0
16	L3	80	0	112	9	0
16	L4	80	0	112	13	0
16	L5	80	0	112	11	0
16	L6	120	0	168	9	0
16	M1	40	0	56	2	0
16	M2	40	0	56	2	0
16	M3	40	0	56	9	0
16	M4	40	0	56	6	0
16	M5	40	0	56	3	0
16	M6	40	0	56	2	0
17	A1	76	0	98	6	0
17	A2	76	0	98	5	0
17	A3	76	0	98	5	0
17	A4	76	0	98	7	0
17	A5	76	0	98	4	0
17	A6	76	0	98	5	0
17	B1	23	0	16	2	0
17	B2	23	0	16	2	0
17	B6	23	0	16	2	0
17	X3	23	0	16	6	0
17	X4	23	0	16	1	0
17	X5	23	0	16	0	0
18	A1	8	0	0	6	0
18	A2	8	0	0	4	0
18	A3	8	0	0	8	0
18	A4	8	0	0	4	0
18	A5	8	0	0	5	0
18	B6	8	0	0	7	0
18	C1	16	0	0	12	0
18	C2	16	0	0	13	0
18	C3	16	0	0	12	0
18	C4	16	0	0	7	0
18	C5	16	0	0	13	0
18	C6	16	0	0	8	0
19	B1	55	0	86	8	0
19	B2	55	0	86	6	0
19	B3	55	0	86	8	0
19	B4	55	0	86	8	0
19	B5	55	0	86	9	0
19	B6	55	0	86	10	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
20	L1	2	0	0	0	0
20	L2	1	0	0	0	0
20	L4	2	0	0	0	0
20	L6	1	0	0	0	0
21	P1	4	0	0	0	0
21	P2	4	0	0	0	0
21	P3	4	0	0	0	0
21	P4	4	0	0	0	0
21	P5	4	0	0	0	0
21	P6	4	0	0	0	0
All	All	148494	0	147087	5478	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 19.

The worst 5 of 5478 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A5:40:ARG:CG	13:P5:60:SER:HB2	1.30	1.60
1:A5:40:ARG:HG3	13:P5:60:SER:CB	1.37	1.52
1:A5:40:ARG:CG	13:P5:60:SER:CB	1.84	1.51
1:A1:36:ARG:NH1	13:P1:70:ILE:HG13	1.18	1.43
5:E5:39:ARG:NH1	13:P5:24:TYR:CZ	1.89	1.37

There are no symmetry-related clashes.

## 5.3 Torsion angles [i](#)

### 5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A1	736/755 (98%)	693 (94%)	35 (5%)	8 (1%)	14	52
1	A2	736/755 (98%)	695 (94%)	33 (4%)	8 (1%)	14	52

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A3	736/755 (98%)	695 (94%)	33 (4%)	8 (1%)	14	52
1	A4	736/755 (98%)	692 (94%)	35 (5%)	9 (1%)	13	50
1	A5	736/755 (98%)	695 (94%)	32 (4%)	9 (1%)	13	50
1	A6	736/755 (98%)	694 (94%)	33 (4%)	9 (1%)	13	50
2	B1	737/740 (100%)	687 (93%)	40 (5%)	10 (1%)	11	47
2	B2	737/740 (100%)	692 (94%)	35 (5%)	10 (1%)	11	47
2	B3	737/740 (100%)	695 (94%)	32 (4%)	10 (1%)	11	47
2	B4	737/740 (100%)	695 (94%)	33 (4%)	9 (1%)	13	50
2	B5	737/740 (100%)	691 (94%)	36 (5%)	10 (1%)	11	47
2	B6	737/740 (100%)	697 (95%)	30 (4%)	10 (1%)	11	47
3	C1	78/80 (98%)	72 (92%)	5 (6%)	1 (1%)	12	48
3	C2	78/80 (98%)	72 (92%)	5 (6%)	1 (1%)	12	48
3	C3	78/80 (98%)	71 (91%)	6 (8%)	1 (1%)	12	48
3	C4	78/80 (98%)	72 (92%)	5 (6%)	1 (1%)	12	48
3	C5	78/80 (98%)	64 (82%)	8 (10%)	6 (8%)	1	15
3	C6	78/80 (98%)	73 (94%)	4 (5%)	1 (1%)	12	48
4	D1	136/138 (99%)	124 (91%)	9 (7%)	3 (2%)	6	38
4	D2	136/138 (99%)	125 (92%)	8 (6%)	3 (2%)	6	38
4	D3	136/138 (99%)	126 (93%)	7 (5%)	3 (2%)	6	38
4	D4	136/138 (99%)	124 (91%)	9 (7%)	3 (2%)	6	38
4	D5	136/138 (99%)	123 (90%)	8 (6%)	5 (4%)	3	28
4	D6	136/138 (99%)	127 (93%)	6 (4%)	3 (2%)	6	38
5	E1	67/75 (89%)	56 (84%)	10 (15%)	1 (2%)	10	46
5	E2	67/75 (89%)	58 (87%)	6 (9%)	3 (4%)	2	25
5	E3	67/75 (89%)	60 (90%)	5 (8%)	2 (3%)	4	32
5	E4	67/75 (89%)	60 (90%)	5 (8%)	2 (3%)	4	32
5	E5	67/75 (89%)	56 (84%)	9 (13%)	2 (3%)	4	32
5	E6	67/75 (89%)	59 (88%)	6 (9%)	2 (3%)	4	32
6	F1	139/164 (85%)	127 (91%)	9 (6%)	3 (2%)	6	38
6	F2	139/164 (85%)	128 (92%)	8 (6%)	3 (2%)	6	38
6	F3	139/164 (85%)	127 (91%)	9 (6%)	3 (2%)	6	38

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
6	F4	139/164 (85%)	127 (91%)	9 (6%)	3 (2%)	6	38
6	F5	139/164 (85%)	126 (91%)	10 (7%)	3 (2%)	6	38
6	F6	139/164 (85%)	128 (92%)	9 (6%)	2 (1%)	11	47
7	I1	36/38 (95%)	33 (92%)	3 (8%)	0	100	100
7	I2	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
7	I3	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
7	I4	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
7	I5	36/38 (95%)	25 (69%)	10 (28%)	1 (3%)	5	33
7	I6	36/38 (95%)	32 (89%)	4 (11%)	0	100	100
8	J1	39/41 (95%)	38 (97%)	1 (3%)	0	100	100
8	J2	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	J3	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	J4	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	J5	39/41 (95%)	38 (97%)	1 (3%)	0	100	100
8	J6	39/41 (95%)	38 (97%)	1 (3%)	0	100	100
9	K1	40/83 (48%)	32 (80%)	5 (12%)	3 (8%)	1	16
9	K2	40/83 (48%)	32 (80%)	5 (12%)	3 (8%)	1	16
9	K3	40/83 (48%)	32 (80%)	5 (12%)	3 (8%)	1	16
9	K4	40/83 (48%)	32 (80%)	5 (12%)	3 (8%)	1	16
9	K5	40/83 (48%)	34 (85%)	2 (5%)	4 (10%)	0	10
9	K6	40/83 (48%)	31 (78%)	7 (18%)	2 (5%)	2	23
10	L1	149/154 (97%)	138 (93%)	9 (6%)	2 (1%)	12	48
10	L2	149/154 (97%)	138 (93%)	9 (6%)	2 (1%)	12	48
10	L3	149/154 (97%)	139 (93%)	8 (5%)	2 (1%)	12	48
10	L4	149/154 (97%)	140 (94%)	7 (5%)	2 (1%)	12	48
10	L5	149/154 (97%)	116 (78%)	29 (20%)	4 (3%)	5	34
10	L6	149/154 (97%)	137 (92%)	10 (7%)	2 (1%)	12	48
11	M1	29/31 (94%)	28 (97%)	0	1 (3%)	3	30
11	M2	29/31 (94%)	28 (97%)	0	1 (3%)	3	30
11	M3	29/31 (94%)	28 (97%)	0	1 (3%)	3	30
11	M4	29/31 (94%)	28 (97%)	0	1 (3%)	3	30

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	M5	29/31 (94%)	25 (86%)	3 (10%)	1 (3%)	3	30
11	M6	29/31 (94%)	28 (97%)	0	1 (3%)	3	30
12	X1	27/35 (77%)	23 (85%)	3 (11%)	1 (4%)	3	28
12	X2	27/35 (77%)	23 (85%)	3 (11%)	1 (4%)	3	28
12	X3	27/35 (77%)	22 (82%)	4 (15%)	1 (4%)	3	28
12	X4	27/35 (77%)	22 (82%)	4 (15%)	1 (4%)	3	28
12	X5	27/35 (77%)	26 (96%)	0	1 (4%)	3	28
12	X6	27/35 (77%)	23 (85%)	3 (11%)	1 (4%)	3	28
13	P1	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P2	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P3	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P4	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P5	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P6	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
All	All	13848/14586 (95%)	12895 (93%)	738 (5%)	215 (2%)	9	45

5 of 215 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A1	115	GLN
1	A1	235	ASP
1	A1	260	PHE
1	A1	578	CYS
2	B1	234	GLN

### 5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A1	589/603 (98%)	572 (97%)	17 (3%)	42	64
1	A2	589/603 (98%)	570 (97%)	19 (3%)	39	62

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A3	589/603 (98%)	560 (95%)	29 (5%)	25	52
1	A4	589/603 (98%)	566 (96%)	23 (4%)	32	57
1	A5	589/603 (98%)	563 (96%)	26 (4%)	28	54
1	A6	589/603 (98%)	567 (96%)	22 (4%)	34	59
2	B1	595/597 (100%)	572 (96%)	23 (4%)	32	57
2	B2	595/597 (100%)	566 (95%)	29 (5%)	25	52
2	B3	595/597 (100%)	569 (96%)	26 (4%)	28	54
2	B4	595/597 (100%)	559 (94%)	36 (6%)	18	46
2	B5	595/597 (100%)	574 (96%)	21 (4%)	36	60
2	B6	595/597 (100%)	568 (96%)	27 (4%)	27	54
3	C1	67/67 (100%)	59 (88%)	8 (12%)	5	23
3	C2	67/67 (100%)	61 (91%)	6 (9%)	9	33
3	C3	67/67 (100%)	64 (96%)	3 (4%)	27	54
3	C4	67/67 (100%)	62 (92%)	5 (8%)	13	40
3	C5	67/67 (100%)	61 (91%)	6 (9%)	9	33
3	C6	67/67 (100%)	62 (92%)	5 (8%)	13	40
4	D1	115/115 (100%)	111 (96%)	4 (4%)	36	60
4	D2	115/115 (100%)	108 (94%)	7 (6%)	18	46
4	D3	115/115 (100%)	109 (95%)	6 (5%)	23	50
4	D4	115/115 (100%)	111 (96%)	4 (4%)	36	60
4	D5	115/115 (100%)	110 (96%)	5 (4%)	29	55
4	D6	115/115 (100%)	109 (95%)	6 (5%)	23	50
5	E1	59/64 (92%)	55 (93%)	4 (7%)	16	43
5	E2	59/64 (92%)	55 (93%)	4 (7%)	16	43
5	E3	59/64 (92%)	54 (92%)	5 (8%)	10	36
5	E4	59/64 (92%)	55 (93%)	4 (7%)	16	43
5	E5	59/64 (92%)	58 (98%)	1 (2%)	60	78
5	E6	59/64 (92%)	56 (95%)	3 (5%)	24	51
6	F1	109/128 (85%)	105 (96%)	4 (4%)	34	59
6	F2	109/128 (85%)	106 (97%)	3 (3%)	43	65
6	F3	109/128 (85%)	106 (97%)	3 (3%)	43	65

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
6	F4	109/128 (85%)	107 (98%)	2 (2%)	59	76
6	F5	109/128 (85%)	108 (99%)	1 (1%)	78	87
6	F6	109/128 (85%)	107 (98%)	2 (2%)	59	76
7	I1	32/32 (100%)	31 (97%)	1 (3%)	40	62
7	I2	32/32 (100%)	29 (91%)	3 (9%)	8	30
7	I3	32/32 (100%)	31 (97%)	1 (3%)	40	62
7	I4	32/32 (100%)	30 (94%)	2 (6%)	18	45
7	I5	32/32 (100%)	30 (94%)	2 (6%)	18	45
7	I6	32/32 (100%)	31 (97%)	1 (3%)	40	62
8	J1	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J2	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J3	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J4	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J5	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J6	36/36 (100%)	34 (94%)	2 (6%)	21	48
10	L1	117/119 (98%)	106 (91%)	11 (9%)	8	30
10	L2	117/119 (98%)	110 (94%)	7 (6%)	19	47
10	L3	117/119 (98%)	106 (91%)	11 (9%)	8	30
10	L4	117/119 (98%)	106 (91%)	11 (9%)	8	30
10	L5	117/119 (98%)	108 (92%)	9 (8%)	13	39
10	L6	117/119 (98%)	108 (92%)	9 (8%)	13	39
11	M1	26/26 (100%)	25 (96%)	1 (4%)	33	58
11	M2	26/26 (100%)	25 (96%)	1 (4%)	33	58
11	M3	26/26 (100%)	24 (92%)	2 (8%)	13	39
11	M4	26/26 (100%)	25 (96%)	1 (4%)	33	58
11	M5	26/26 (100%)	25 (96%)	1 (4%)	33	58
11	M6	26/26 (100%)	24 (92%)	2 (8%)	13	39
12	X1	20/24 (83%)	19 (95%)	1 (5%)	24	51
12	X2	20/24 (83%)	19 (95%)	1 (5%)	24	51
12	X3	20/24 (83%)	19 (95%)	1 (5%)	24	51
12	X4	20/24 (83%)	19 (95%)	1 (5%)	24	51

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
12	X5	20/24 (83%)	18 (90%)	2 (10%)	7	28
12	X6	20/24 (83%)	19 (95%)	1 (5%)	24	51
13	P1	85/85 (100%)	85 (100%)	0	100	100
13	P2	85/85 (100%)	85 (100%)	0	100	100
13	P3	85/85 (100%)	85 (100%)	0	100	100
13	P4	85/85 (100%)	85 (100%)	0	100	100
13	P5	85/85 (100%)	85 (100%)	0	100	100
13	P6	85/85 (100%)	85 (100%)	0	100	100
All	All	11100/11376 (98%)	10606 (96%)	494 (4%)	27	54

5 of 494 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
8	J3	1	MET
1	A5	713	VAL
2	B4	412	ASP
1	A5	578	CYS
4	D5	103	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 170 such sidechains are listed below:

Mol	Chain	Res	Type
1	A6	224	ASN
1	A5	542	HIS
1	A6	390	GLN
4	D6	54	ASN
2	B5	340	HIS

### 5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

## 5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

## 5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

## 5.6 Ligand geometry [i](#)

Of 774 ligands modelled in this entry, 6 are monoatomic - leaving 768 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with  $|Z| > 2$  is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# $ Z  > 2$	Counts	RMSZ	# $ Z  > 2$
16	BCR	L5	207	-	41,41,41	0.85	1 (2%)	56,56,56	1.47	12 (21%)
14	CLA	B4	806	-	54,62,73	1.35	8 (14%)	62,99,113	1.81	17 (27%)
14	CLA	B4	842	-	65,73,73	1.21	8 (12%)	76,113,113	1.60	16 (21%)
16	BCR	A6	1647	-	41,41,41	0.78	1 (2%)	56,56,56	1.37	9 (16%)
14	CLA	A3	830	-	65,73,73	1.33	12 (18%)	76,113,113	1.56	16 (21%)
14	CLA	B3	1843	-	65,73,73	1.12	6 (9%)	76,113,113	1.68	14 (18%)
14	CLA	L5	202	-	45,53,73	1.59	11 (24%)	52,89,113	1.90	14 (26%)
18	SF4	A2	1655	1,2	0,12,12	-	-	-	-	-
14	CLA	A3	834	-	65,73,73	1.18	7 (10%)	76,113,113	1.62	17 (22%)
14	CLA	A3	808	1	65,73,73	1.21	9 (13%)	76,113,113	1.63	17 (22%)
16	BCR	J2	102	-	41,41,41	0.84	1 (2%)	56,56,56	1.56	14 (25%)
14	CLA	A1	827	-	65,73,73	1.22	9 (13%)	76,113,113	1.53	16 (21%)
14	CLA	A1	802	-	65,73,73	1.21	8 (12%)	76,113,113	1.43	11 (14%)
14	CLA	L5	205	-	65,73,73	1.33	11 (16%)	76,113,113	1.62	14 (18%)
19	LMG	B1	850	-	55,55,55	0.86	3 (5%)	63,63,63	1.04	3 (4%)
16	BCR	I6	102	-	41,41,41	0.71	0	56,56,56	1.40	9 (16%)
14	CLA	A6	1627	-	65,73,73	1.27	8 (12%)	76,113,113	1.44	13 (17%)
14	CLA	A6	1615	-	45,53,73	1.53	13 (28%)	52,89,113	1.85	15 (28%)
14	CLA	B3	1821	-	65,73,73	1.27	11 (16%)	76,113,113	1.46	14 (18%)
14	CLA	B5	1821	-	65,73,73	1.30	12 (18%)	76,113,113	1.50	16 (21%)
14	CLA	F3	202	-	45,53,73	1.61	12 (26%)	52,89,113	1.70	13 (25%)
14	CLA	J5	101	8	45,53,73	1.61	13 (28%)	52,89,113	1.73	11 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A6	1601	-	45,53,73	1.58	11 (24%)	52,89,113	1.89	15 (28%)
14	CLA	B4	811	2	65,73,73	1.24	10 (15%)	76,113,113	1.59	20 (26%)
18	SF4	C5	102	3	0,12,12	-	-	-		
14	CLA	B5	1837	-	45,53,73	1.60	12 (26%)	52,89,113	1.61	16 (30%)
14	CLA	A5	840	-	51,59,73	1.38	11 (21%)	59,96,113	1.77	15 (25%)
14	CLA	B4	823	-	45,53,73	1.61	12 (26%)	52,89,113	1.71	12 (23%)
14	CLA	A1	838	-	65,73,73	1.29	8 (12%)	76,113,113	1.75	20 (26%)
14	CLA	B5	1841	-	47,55,73	1.41	11 (23%)	54,91,113	1.87	16 (29%)
16	BCR	A3	850	-	41,41,41	0.96	1 (2%)	56,56,56	1.38	10 (17%)
14	CLA	A4	837	-	47,55,73	1.54	13 (27%)	54,91,113	1.83	15 (27%)
14	CLA	A3	807	-	51,59,73	1.42	10 (19%)	59,96,113	1.73	14 (23%)
21	FES	P3	101	13	0,4,4	-	-	-		
14	CLA	I6	101	-	65,73,73	1.15	8 (12%)	76,113,113	1.51	10 (13%)
14	CLA	B1	822	-	45,53,73	1.58	11 (24%)	52,89,113	1.74	13 (25%)
14	CLA	A5	821	-	65,73,73	1.27	9 (13%)	76,113,113	1.49	15 (19%)
14	CLA	A2	1626	-	59,67,73	1.31	11 (18%)	68,105,113	1.55	15 (22%)
14	CLA	A2	1641	-	65,73,73	1.29	10 (15%)	76,113,113	1.49	14 (18%)
16	BCR	B5	1848	-	25,25,41	0.92	0	33,33,56	1.36	6 (18%)
16	BCR	J5	105	-	41,41,41	1.08	3 (7%)	56,56,56	1.39	8 (14%)
16	BCR	L5	201	-	41,41,41	1.04	2 (4%)	56,56,56	1.27	7 (12%)
14	CLA	A4	831	-	65,73,73	1.21	9 (13%)	76,113,113	1.64	17 (22%)
14	CLA	A5	817	-	54,62,73	1.44	9 (16%)	62,99,113	1.71	15 (24%)
14	CLA	B2	811	-	45,53,73	1.52	11 (24%)	52,89,113	1.80	14 (26%)
14	CLA	B4	805	-	65,73,73	1.38	14 (21%)	76,113,113	1.39	16 (21%)
14	CLA	B2	839	-	65,73,73	1.19	8 (12%)	76,113,113	1.53	15 (19%)
16	BCR	A6	1648	-	41,41,41	0.88	2 (4%)	56,56,56	1.72	17 (30%)
14	CLA	A2	1625	-	51,59,73	1.43	10 (19%)	59,96,113	1.75	14 (23%)
14	CLA	A5	803	-	65,73,73	1.21	9 (13%)	76,113,113	1.42	11 (14%)
14	CLA	X2	1701	12	45,53,73	1.65	13 (28%)	52,89,113	1.75	13 (25%)
16	BCR	A3	848	-	41,41,41	0.91	1 (2%)	56,56,56	1.40	8 (14%)
17	LHG	A1	849	14	26,26,48	1.63	5 (19%)	29,32,54	1.40	5 (17%)
14	CLA	B6	839	-	47,55,73	1.39	8 (17%)	54,91,113	1.86	17 (31%)
14	CLA	A4	835	-	51,59,73	1.38	10 (19%)	59,96,113	1.85	15 (25%)
14	CLA	A3	836	1	45,53,73	1.53	12 (26%)	52,89,113	1.85	15 (28%)
16	BCR	I5	102	-	41,41,41	0.76	0	56,56,56	1.42	12 (21%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A2	1632	-	65,73,73	1.36	11 (16%)	76,113,113	1.55	14 (18%)
14	CLA	B1	808	-	65,73,73	1.20	7 (10%)	76,113,113	1.44	13 (17%)
14	CLA	B1	831	-	45,53,73	1.49	12 (26%)	52,89,113	1.66	9 (17%)
14	CLA	A4	808	1	65,73,73	1.27	10 (15%)	76,113,113	1.60	15 (19%)
14	CLA	A4	834	1	45,53,73	1.51	12 (26%)	52,89,113	1.84	17 (32%)
14	CLA	B5	1831	-	65,73,73	1.30	11 (16%)	76,113,113	1.62	16 (21%)
14	CLA	A2	1631	-	65,73,73	1.33	13 (20%)	76,113,113	1.55	14 (18%)
14	CLA	M2	1201	-	54,62,73	1.36	6 (11%)	62,99,113	1.82	21 (33%)
18	SF4	C6	102	3	0,12,12	-	-	-	-	-
14	CLA	B6	825	-	46,54,73	1.45	11 (23%)	53,90,113	1.85	15 (28%)
14	CLA	B2	821	-	55,63,73	1.49	14 (25%)	64,101,113	1.64	16 (25%)
14	CLA	A1	806	-	51,59,73	1.46	11 (21%)	59,96,113	1.77	15 (25%)
16	BCR	A5	846	-	41,41,41	0.91	1 (2%)	56,56,56	1.38	8 (14%)
16	BCR	I2	101	-	41,41,41	0.71	0	56,56,56	1.37	9 (16%)
14	CLA	L6	208	-	65,73,73	1.33	14 (21%)	76,113,113	1.59	15 (19%)
16	BCR	A2	1651	-	41,41,41	0.78	1 (2%)	56,56,56	1.38	9 (16%)
14	CLA	B3	1803	-	65,73,73	1.32	14 (21%)	76,113,113	1.53	16 (21%)
17	LHG	B1	851	-	22,22,48	1.84	5 (22%)	25,28,54	1.08	1 (4%)
14	CLA	J1	102	-	38,45,73	1.67	11 (28%)	43,78,113	1.66	12 (27%)
14	CLA	A1	835	-	65,73,73	1.33	12 (18%)	76,113,113	1.50	13 (17%)
14	CLA	B2	823	2	54,62,73	1.54	13 (24%)	62,99,113	1.49	14 (22%)
15	PQN	A2	1646	-	34,34,34	2.29	7 (20%)	42,45,45	1.78	4 (9%)
17	LHG	X3	101	-	22,22,48	1.85	5 (22%)	25,28,54	1.07	1 (4%)
16	BCR	A5	845	-	41,41,41	1.00	2 (4%)	56,56,56	1.44	9 (16%)
14	CLA	B5	1823	-	45,53,73	1.61	11 (24%)	52,89,113	1.72	12 (23%)
14	CLA	A1	834	-	51,59,73	1.32	7 (13%)	59,96,113	1.80	16 (27%)
14	CLA	L4	204	-	65,73,73	1.30	11 (16%)	76,113,113	1.63	15 (19%)
14	CLA	B6	802	-	65,73,73	1.27	12 (18%)	76,113,113	1.46	16 (21%)
16	BCR	J2	103	-	41,41,41	0.90	2 (4%)	56,56,56	1.47	11 (19%)
14	CLA	X1	1701	-	45,53,73	1.62	12 (26%)	52,89,113	1.68	12 (23%)
16	BCR	J3	104	-	41,41,41	0.87	2 (4%)	56,56,56	1.47	12 (21%)
14	CLA	B1	825	-	54,62,73	1.55	11 (20%)	62,99,113	1.50	12 (19%)
15	PQN	A4	843	-	34,34,34	2.30	7 (20%)	42,45,45	1.78	4 (9%)
14	CLA	B1	807	-	65,73,73	1.20	10 (15%)	76,113,113	1.60	16 (21%)
14	CLA	B6	831	-	49,57,73	1.42	11 (22%)	55,93,113	1.67	15 (27%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	I1	103	-	41,41,41	0.87	1 (2%)	56,56,56	1.46	12 (21%)
14	CLA	J6	1103	-	38,45,73	1.66	11 (28%)	43,78,113	1.74	13 (30%)
16	BCR	A4	849	-	41,41,41	0.89	2 (4%)	56,56,56	1.70	17 (30%)
14	CLA	A6	1608	1	65,73,73	1.20	9 (13%)	76,113,113	1.64	16 (21%)
14	CLA	B2	801	-	65,73,73	1.28	13 (20%)	76,113,113	1.53	18 (23%)
16	BCR	B2	846	-	41,41,41	0.85	1 (2%)	56,56,56	1.42	12 (21%)
16	BCR	B6	845	-	41,41,41	0.93	2 (4%)	56,56,56	1.60	15 (26%)
14	CLA	A1	817	-	54,62,73	1.41	12 (22%)	62,99,113	1.66	15 (24%)
14	CLA	B1	840	-	47,55,73	1.43	11 (23%)	54,91,113	1.82	16 (29%)
14	CLA	A4	840	-	65,73,73	1.29	8 (12%)	76,113,113	1.75	20 (26%)
14	CLA	B6	840	-	65,73,73	1.22	8 (12%)	76,113,113	1.57	16 (21%)
14	CLA	A4	823	-	59,67,73	1.33	11 (18%)	68,105,113	1.56	13 (19%)
14	CLA	A5	837	-	65,73,73	1.33	12 (18%)	76,113,113	1.52	14 (18%)
16	BCR	B4	846	-	41,41,41	1.20	4 (9%)	56,56,56	1.65	13 (23%)
18	SF4	A3	855	-	0,12,12	-	-	-	-	-
14	CLA	A4	802	-	65,73,73	1.21	8 (12%)	76,113,113	1.45	13 (17%)
19	LMG	B3	1850	-	55,55,55	0.86	3 (5%)	63,63,63	1.01	2 (3%)
17	LHG	A3	853	-	48,48,48	1.17	5 (10%)	51,54,54	1.01	3 (5%)
14	CLA	A6	1630	-	65,73,73	1.33	13 (20%)	76,113,113	1.57	14 (18%)
14	CLA	A4	816	-	54,62,73	1.45	10 (18%)	62,99,113	1.69	15 (24%)
14	CLA	A2	1608	-	65,73,73	1.29	9 (13%)	76,113,113	1.62	16 (21%)
14	CLA	A1	830	-	50,58,73	1.34	7 (14%)	58,95,113	1.72	16 (27%)
14	CLA	A2	1603	-	65,73,73	1.28	12 (18%)	76,113,113	1.47	16 (21%)
14	CLA	B5	1813	-	45,53,73	1.53	10 (22%)	52,89,113	1.74	14 (26%)
14	CLA	B2	822	-	45,53,73	1.54	12 (26%)	52,89,113	1.70	15 (28%)
14	CLA	B6	821	-	45,53,73	1.58	12 (26%)	52,89,113	1.75	13 (25%)
16	BCR	B6	847	-	41,41,41	0.86	1 (2%)	56,56,56	1.43	12 (21%)
14	CLA	A5	829	-	65,73,73	1.33	13 (20%)	76,113,113	1.57	13 (17%)
16	BCR	F2	203	-	41,41,41	0.88	0	56,56,56	1.38	10 (17%)
14	CLA	L1	207	-	65,73,73	1.34	14 (21%)	76,113,113	1.58	15 (19%)
14	CLA	A6	1633	-	65,73,73	1.19	6 (9%)	76,113,113	1.64	17 (22%)
14	CLA	A5	831	-	50,58,73	1.34	7 (14%)	58,95,113	1.74	15 (25%)
14	CLA	A1	815	-	49,57,73	1.46	11 (22%)	55,93,113	1.81	17 (30%)
14	CLA	A2	1610	1	65,73,73	1.21	9 (13%)	76,113,113	1.66	17 (22%)
14	CLA	L2	207	-	65,73,73	1.35	14 (21%)	76,113,113	1.60	14 (18%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	F3	201	-	41,41,41	0.76	1 (2%)	56,56,56	1.56	12 (21%)
14	CLA	M1	1201	-	54,62,73	1.36	9 (16%)	62,99,113	1.83	18 (29%)
16	BCR	A5	849	-	41,41,41	0.79	1 (2%)	56,56,56	1.35	8 (14%)
14	CLA	B4	817	-	45,53,73	1.50	9 (20%)	52,89,113	1.88	15 (28%)
17	LHG	A2	1653	-	48,48,48	1.21	5 (10%)	51,54,54	1.05	3 (5%)
21	FES	P6	101	13	0,4,4	-	-	-	-	-
14	CLA	A5	838	-	47,55,73	1.55	11 (23%)	54,91,113	1.94	17 (31%)
14	CLA	A6	1604	14	59,67,73	1.30	9 (15%)	68,105,113	1.63	14 (20%)
14	CLA	B2	802	-	65,73,73	1.32	11 (16%)	76,113,113	1.60	17 (22%)
14	CLA	B2	825	-	65,73,73	1.29	10 (15%)	76,113,113	1.61	16 (21%)
14	CLA	B2	837	-	65,73,73	1.31	12 (18%)	76,113,113	1.48	13 (17%)
14	CLA	A5	842	-	65,73,73	1.15	6 (9%)	76,113,113	1.70	19 (25%)
14	CLA	B1	812	-	45,53,73	1.55	11 (24%)	52,89,113	1.79	14 (26%)
16	BCR	A4	847	-	41,41,41	0.98	1 (2%)	56,56,56	1.36	9 (16%)
16	BCR	B6	844	-	41,41,41	1.20	4 (9%)	56,56,56	1.64	13 (23%)
14	CLA	B1	810	-	65,73,73	1.23	10 (15%)	76,113,113	1.65	19 (25%)
14	CLA	F1	1301	-	45,53,73	1.64	12 (26%)	52,89,113	1.73	13 (25%)
16	BCR	B2	844	-	41,41,41	0.93	1 (2%)	56,56,56	1.58	14 (25%)
16	BCR	J6	1104	-	41,41,41	0.81	0	56,56,56	1.56	14 (25%)
14	CLA	B6	816	-	55,63,73	1.47	13 (23%)	64,101,113	1.70	16 (25%)
14	CLA	A5	824	-	59,67,73	1.30	11 (18%)	68,105,113	1.56	15 (22%)
14	CLA	B5	1815	-	65,73,73	1.28	10 (15%)	76,113,113	1.47	14 (18%)
14	CLA	A4	805	-	65,73,73	1.31	10 (15%)	76,113,113	1.63	16 (21%)
14	CLA	B5	1835	-	58,66,73	1.41	12 (20%)	67,104,113	1.80	14 (20%)
14	CLA	B3	1830	-	65,73,73	1.39	12 (18%)	76,113,113	1.59	16 (21%)
14	CLA	B5	1830	-	65,73,73	1.36	12 (18%)	76,113,113	1.61	19 (25%)
14	CLA	B3	1814	-	45,53,73	1.54	11 (24%)	52,89,113	1.84	13 (25%)
14	CLA	B6	835	-	45,53,73	1.62	12 (26%)	52,89,113	1.66	15 (28%)
14	CLA	A6	1616	-	49,57,73	1.44	11 (22%)	55,93,113	1.81	18 (32%)
16	BCR	B2	845	-	25,25,41	0.91	0	33,33,56	1.34	7 (21%)
14	CLA	B4	818	-	55,63,73	1.48	13 (23%)	64,101,113	1.67	16 (25%)
16	BCR	L4	206	-	41,41,41	0.85	1 (2%)	56,56,56	1.46	12 (21%)
16	BCR	B4	847	-	41,41,41	0.95	1 (2%)	56,56,56	1.57	13 (23%)
14	CLA	B2	809	2	65,73,73	1.20	8 (12%)	76,113,113	1.58	18 (23%)
14	CLA	A6	1651	-	65,73,73	1.31	13 (20%)	76,113,113	1.62	16 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B5	1805	-	65,73,73	1.39	12 (18%)	76,113,113	1.43	15 (19%)
17	LHG	A6	1649	-	48,48,48	1.20	5 (10%)	51,54,54	1.05	3 (5%)
14	CLA	A3	804	14	59,67,73	1.30	9 (15%)	68,105,113	1.65	15 (22%)
14	CLA	A1	807	1	65,73,73	1.23	9 (13%)	76,113,113	1.63	18 (23%)
14	CLA	A5	823	-	51,59,73	1.44	10 (19%)	59,96,113	1.79	16 (27%)
14	CLA	B5	1804	-	65,73,73	1.34	12 (18%)	76,113,113	1.63	15 (19%)
16	BCR	J1	104	-	41,41,41	0.94	3 (7%)	56,56,56	1.47	11 (19%)
14	CLA	A3	818	-	54,62,73	1.40	10 (18%)	62,99,113	1.66	16 (25%)
14	CLA	B1	818	-	59,67,73	1.37	11 (18%)	68,105,113	1.60	17 (25%)
14	CLA	A4	806	-	51,59,73	1.46	11 (21%)	59,96,113	1.79	16 (27%)
14	CLA	J2	101	8	45,53,73	1.60	13 (28%)	52,89,113	1.67	13 (25%)
16	BCR	B2	847	-	41,41,41	0.78	0	56,56,56	1.30	7 (12%)
16	BCR	M4	101	-	41,41,41	0.83	0	56,56,56	1.47	13 (23%)
14	CLA	L4	201	-	65,73,73	1.18	7 (10%)	76,113,113	1.62	17 (22%)
14	CLA	K5	101	-	42,49,73	1.51	8 (19%)	48,83,113	1.64	11 (22%)
17	LHG	X5	102	-	22,22,48	1.65	5 (22%)	25,28,54	1.08	1 (4%)
14	CLA	B5	1822	-	47,55,73	1.50	11 (23%)	54,91,113	1.88	13 (24%)
14	CLA	A6	1625	-	65,73,73	1.30	11 (16%)	76,113,113	1.41	13 (17%)
14	CLA	A6	1641	-	42,49,73	1.46	8 (19%)	48,83,113	1.54	8 (16%)
14	CLA	A3	814	-	45,53,73	1.56	11 (24%)	52,89,113	1.71	15 (28%)
14	CLA	B2	819	-	47,55,73	1.47	10 (21%)	54,91,113	1.81	12 (22%)
14	CLA	B1	834	-	58,66,73	1.43	12 (20%)	67,104,113	1.75	13 (19%)
14	CLA	A2	1622	-	61,69,73	1.29	8 (13%)	71,108,113	1.61	11 (15%)
14	CLA	A2	1636	-	54,62,73	1.33	11 (20%)	62,99,113	1.71	17 (27%)
16	BCR	L2	208	-	41,41,41	0.86	1 (2%)	56,56,56	1.46	11 (19%)
16	BCR	J6	1105	-	41,41,41	0.87	1 (2%)	56,56,56	1.46	11 (19%)
14	CLA	F4	202	-	45,53,73	1.65	12 (26%)	52,89,113	1.63	13 (25%)
14	CLA	A3	833	-	65,73,73	1.17	7 (10%)	76,113,113	1.62	18 (23%)
14	CLA	B1	805	-	65,73,73	1.34	11 (16%)	76,113,113	1.57	15 (19%)
14	CLA	B6	830	-	45,53,73	1.49	11 (24%)	52,89,113	1.78	10 (19%)
14	CLA	A4	833	-	54,62,73	1.33	11 (20%)	62,99,113	1.73	16 (25%)
14	CLA	B6	827	-	65,73,73	1.36	10 (15%)	76,113,113	1.69	17 (22%)
14	CLA	A2	1643	-	65,73,73	1.28	8 (12%)	76,113,113	1.74	19 (25%)
14	CLA	B5	1825	-	45,53,73	1.59	12 (26%)	52,89,113	1.69	13 (25%)
16	BCR	F2	201	-	41,41,41	0.76	0	56,56,56	1.55	11 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A5	835	1	45,53,73	1.49	11 (24%)	52,89,113	1.88	17 (32%)
14	CLA	A1	801	-	65,73,73	1.25	8 (12%)	76,113,113	1.99	18 (23%)
14	CLA	B2	831	-	65,73,73	1.26	10 (15%)	76,113,113	1.57	14 (18%)
14	CLA	B6	823	-	45,53,73	1.57	12 (26%)	52,89,113	1.73	15 (28%)
16	BCR	F5	1302	-	41,41,41	0.85	0	56,56,56	1.39	11 (19%)
14	CLA	A5	812	-	54,62,73	1.39	11 (20%)	62,99,113	1.59	13 (20%)
14	CLA	A5	828	-	65,73,73	1.21	9 (13%)	76,113,113	1.51	16 (21%)
14	CLA	B3	1806	-	54,62,73	1.35	7 (12%)	62,99,113	1.80	16 (25%)
16	BCR	B4	845	-	41,41,41	1.17	3 (7%)	56,56,56	1.52	10 (17%)
16	BCR	I4	102	-	41,41,41	0.71	0	56,56,56	1.43	13 (23%)
14	CLA	A5	810	-	45,53,73	1.54	11 (24%)	52,89,113	1.89	15 (28%)
14	CLA	A4	824	-	65,73,73	1.33	11 (16%)	76,113,113	1.39	12 (15%)
16	BCR	B5	1849	-	41,41,41	0.88	1 (2%)	56,56,56	1.44	12 (21%)
14	CLA	A3	825	-	65,73,73	1.31	12 (18%)	76,113,113	1.42	13 (17%)
16	BCR	M5	101	-	41,41,41	0.87	1 (2%)	56,56,56	1.47	12 (21%)
14	CLA	A5	805	-	65,73,73	1.18	7 (10%)	76,113,113	1.54	15 (19%)
14	CLA	B6	838	-	65,73,73	1.33	12 (18%)	76,113,113	1.58	15 (19%)
14	CLA	A6	1610	-	45,53,73	1.54	11 (24%)	52,89,113	1.83	15 (28%)
17	LHG	A6	1650	14	26,26,48	1.61	5 (19%)	29,32,54	1.43	5 (17%)
14	CLA	B4	835	-	58,66,73	1.40	11 (18%)	67,104,113	1.75	15 (22%)
14	CLA	A1	820	-	65,73,73	1.28	9 (13%)	76,113,113	1.51	16 (21%)
18	SF4	C4	102	3	0,12,12	-	-	-	-	-
14	CLA	B1	824	-	45,53,73	1.58	11 (24%)	52,89,113	1.71	14 (26%)
14	CLA	B2	803	-	65,73,73	1.38	14 (21%)	76,113,113	1.39	15 (19%)
14	CLA	B5	1818	-	55,63,73	1.49	12 (21%)	64,101,113	1.73	17 (26%)
14	CLA	A6	1606	-	65,73,73	1.29	9 (13%)	76,113,113	1.62	17 (22%)
14	CLA	A3	816	-	49,57,73	1.44	11 (22%)	55,93,113	1.80	18 (32%)
14	CLA	A3	827	-	65,73,73	1.27	9 (13%)	76,113,113	1.44	13 (17%)
14	CLA	B2	812	-	65,73,73	1.30	10 (15%)	76,113,113	1.53	16 (21%)
14	CLA	B5	1827	-	46,54,73	1.50	13 (28%)	53,90,113	1.86	17 (32%)
14	CLA	A5	830	-	65,73,73	1.36	12 (18%)	76,113,113	1.52	14 (18%)
14	CLA	A3	811	14	65,73,73	1.22	9 (13%)	76,113,113	1.62	18 (23%)
14	CLA	B1	811	-	65,73,73	1.22	10 (15%)	76,113,113	1.57	17 (22%)
14	CLA	A4	811	-	54,62,73	1.42	11 (20%)	62,99,113	1.58	13 (20%)
14	CLA	B5	1812	2	65,73,73	1.22	9 (13%)	76,113,113	1.55	15 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B2	813	-	65,73,73	1.30	11 (16%)	76,113,113	1.53	15 (19%)
16	BCR	A3	856	-	41,41,41	0.74	0	56,56,56	1.28	8 (14%)
16	BCR	L6	204	-	41,41,41	0.76	0	56,56,56	1.43	13 (23%)
16	BCR	L3	206	-	41,41,41	0.86	1 (2%)	56,56,56	1.46	13 (23%)
14	CLA	B3	1842	-	65,73,73	1.21	8 (12%)	76,113,113	1.57	17 (22%)
14	CLA	B3	1813	-	45,53,73	1.51	11 (24%)	52,89,113	1.82	15 (28%)
16	BCR	L6	209	-	41,41,41	0.86	1 (2%)	56,56,56	1.45	11 (19%)
14	CLA	K5	102	-	45,53,73	1.54	13 (28%)	52,89,113	1.82	15 (28%)
14	CLA	B4	807	-	65,73,73	1.20	11 (16%)	76,113,113	1.55	16 (21%)
14	CLA	B4	843	-	65,73,73	1.13	7 (10%)	76,113,113	1.66	14 (18%)
15	PQN	B6	842	-	34,34,34	2.25	8 (23%)	42,45,45	1.56	5 (11%)
16	BCR	I3	101	-	41,41,41	0.72	0	56,56,56	1.39	9 (16%)
14	CLA	B2	815	-	55,63,73	1.46	12 (21%)	64,101,113	1.69	16 (25%)
14	CLA	A4	810	14	65,73,73	1.24	10 (15%)	76,113,113	1.60	19 (25%)
14	CLA	A6	1603	-	65,73,73	1.21	9 (13%)	76,113,113	1.66	20 (26%)
14	CLA	A6	1612	-	54,62,73	1.39	11 (20%)	62,99,113	1.63	13 (20%)
14	CLA	B6	818	-	60,68,73	1.31	9 (15%)	70,107,113	1.73	16 (22%)
14	CLA	A2	1634	-	65,73,73	1.22	9 (13%)	76,113,113	1.66	15 (19%)
14	CLA	B3	1823	-	45,53,73	1.61	12 (26%)	52,89,113	1.76	13 (25%)
16	BCR	A2	1652	-	41,41,41	0.86	2 (4%)	56,56,56	1.70	16 (28%)
14	CLA	X6	1701	-	45,53,73	1.63	13 (28%)	52,89,113	1.73	13 (25%)
15	PQN	A5	844	-	34,34,34	2.29	7 (20%)	42,45,45	1.76	4 (9%)
18	SF4	C5	101	3	0,12,12	-	-	-	-	-
14	CLA	A6	1631	-	50,58,73	1.32	7 (14%)	58,95,113	1.69	15 (25%)
14	CLA	A2	1619	-	54,62,73	1.44	10 (18%)	62,99,113	1.65	15 (24%)
14	CLA	A3	817	-	54,62,73	1.43	9 (16%)	62,99,113	1.73	15 (24%)
14	CLA	A2	1604	-	65,73,73	1.21	8 (12%)	76,113,113	1.70	20 (26%)
14	CLA	A5	801	-	65,73,73	1.24	8 (12%)	76,113,113	2.00	17 (22%)
14	CLA	B4	815	-	65,73,73	1.28	10 (15%)	76,113,113	1.54	15 (19%)
14	CLA	B5	1819	-	59,67,73	1.32	10 (16%)	68,105,113	1.62	17 (25%)
14	CLA	A2	1607	-	65,73,73	1.18	8 (12%)	76,113,113	1.56	17 (22%)
14	CLA	A5	807	-	51,59,73	1.44	11 (21%)	59,96,113	1.79	15 (25%)
14	CLA	A4	836	-	65,73,73	1.32	13 (20%)	76,113,113	1.45	13 (17%)
14	CLA	B5	1839	-	60,68,73	1.32	10 (16%)	70,107,113	1.47	11 (15%)
16	BCR	B4	850	-	41,41,41	0.76	0	56,56,56	1.30	8 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A2	1623	-	65,73,73	1.24	9 (13%)	76,113,113	1.50	15 (19%)
15	PQN	A1	841	-	34,34,34	2.28	7 (20%)	42,45,45	1.76	4 (9%)
18	SF4	C2	101	3	0,12,12	-	-	-	-	-
16	BCR	F1	1302	-	41,41,41	0.89	1 (2%)	56,56,56	1.38	11 (19%)
16	BCR	I4	101	-	41,41,41	0.72	0	56,56,56	1.38	9 (16%)
14	CLA	L1	202	-	65,73,73	1.19	7 (10%)	76,113,113	1.64	16 (21%)
16	BCR	B4	848	-	25,25,41	0.92	0	33,33,56	1.33	6 (18%)
14	CLA	A5	808	1	65,73,73	1.19	9 (13%)	76,113,113	1.64	16 (21%)
14	CLA	L2	202	-	65,73,73	1.19	7 (10%)	76,113,113	1.57	16 (21%)
21	FES	P1	101	13	0,4,4	-	-	-	-	-
14	CLA	B1	821	-	47,55,73	1.49	11 (23%)	54,91,113	1.89	14 (25%)
14	CLA	B4	852	17	52,60,73	1.51	13 (25%)	60,97,113	1.73	17 (28%)
14	CLA	B2	808	2	65,73,73	1.23	10 (15%)	76,113,113	1.58	17 (22%)
16	BCR	B3	1846	-	41,41,41	1.20	4 (9%)	56,56,56	1.66	12 (21%)
16	BCR	B5	1846	-	41,41,41	1.19	4 (9%)	56,56,56	1.66	13 (23%)
14	CLA	B3	1831	-	65,73,73	1.27	11 (16%)	76,113,113	1.69	20 (26%)
16	BCR	F4	201	-	41,41,41	0.79	0	56,56,56	1.57	11 (19%)
16	BCR	B1	843	-	41,41,41	1.19	3 (7%)	56,56,56	1.51	10 (17%)
16	BCR	J5	104	-	41,41,41	0.92	1 (2%)	56,56,56	1.48	12 (21%)
14	CLA	B2	820	-	45,53,73	1.58	11 (24%)	52,89,113	1.71	13 (25%)
14	CLA	B3	1822	-	47,55,73	1.50	11 (23%)	54,91,113	1.83	12 (22%)
17	LHG	X4	101	-	22,22,48	1.68	5 (22%)	25,28,54	1.06	1 (4%)
14	CLA	A1	828	-	65,73,73	1.33	13 (20%)	76,113,113	1.52	16 (21%)
14	CLA	L3	203	-	65,73,73	1.36	11 (16%)	76,113,113	1.63	17 (22%)
14	CLA	A3	839	-	47,55,73	1.52	12 (25%)	54,91,113	1.83	15 (27%)
14	CLA	B4	829	-	65,73,73	1.32	10 (15%)	76,113,113	1.68	19 (25%)
14	CLA	F6	202	-	45,53,73	1.62	11 (24%)	52,89,113	1.73	14 (26%)
14	CLA	B2	836	-	60,68,73	1.31	9 (15%)	70,107,113	1.47	12 (17%)
14	CLA	B4	820	-	60,68,73	1.33	9 (15%)	70,107,113	1.69	17 (24%)
14	CLA	A1	805	-	65,73,73	1.33	9 (13%)	76,113,113	1.65	18 (23%)
14	CLA	B1	803	-	65,73,73	1.31	10 (15%)	76,113,113	1.51	14 (18%)
14	CLA	L4	203	-	65,73,73	1.36	10 (15%)	76,113,113	1.59	16 (21%)
16	BCR	A5	850	-	41,41,41	0.87	2 (4%)	56,56,56	1.70	16 (28%)
14	CLA	B5	1838	-	45,53,73	1.51	13 (28%)	52,89,113	1.72	13 (25%)
14	CLA	A3	821	-	65,73,73	1.25	7 (10%)	76,113,113	1.51	16 (21%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B3	1825	-	45,53,73	1.58	12 (26%)	52,89,113	1.76	16 (30%)
14	CLA	B5	1817	-	45,53,73	1.53	10 (22%)	52,89,113	1.90	15 (28%)
19	LMG	B5	1851	-	55,55,55	0.84	3 (5%)	63,63,63	1.02	2 (3%)
14	CLA	A4	822	-	51,59,73	1.46	11 (21%)	59,96,113	1.74	14 (23%)
16	BCR	B1	846	-	25,25,41	0.92	0	33,33,56	1.34	6 (18%)
16	BCR	B6	843	-	41,41,41	1.16	3 (7%)	56,56,56	1.50	10 (17%)
14	CLA	B4	808	-	65,73,73	1.20	9 (13%)	76,113,113	1.48	13 (17%)
14	CLA	A6	1636	-	51,59,73	1.29	7 (13%)	59,96,113	1.89	17 (28%)
14	CLA	B4	837	-	45,53,73	1.59	11 (24%)	52,89,113	1.65	16 (30%)
14	CLA	B5	1811	2	65,73,73	1.21	10 (15%)	76,113,113	1.58	18 (23%)
16	BCR	B5	1845	-	41,41,41	1.15	3 (7%)	56,56,56	1.49	10 (17%)
14	CLA	A1	818	-	65,73,73	1.36	13 (20%)	76,113,113	1.58	16 (21%)
14	CLA	B4	819	-	59,67,73	1.35	10 (16%)	68,105,113	1.58	16 (23%)
14	CLA	A4	809	-	45,53,73	1.59	12 (26%)	52,89,113	1.84	15 (28%)
14	CLA	A1	824	-	65,73,73	1.32	12 (18%)	76,113,113	1.45	14 (18%)
14	CLA	A4	839	-	51,59,73	1.40	12 (23%)	59,96,113	1.73	15 (25%)
14	CLA	B5	1802	-	65,73,73	1.22	9 (13%)	76,113,113	1.66	19 (25%)
14	CLA	B4	826	2	54,62,73	1.58	13 (24%)	62,99,113	1.53	12 (19%)
14	CLA	A4	815	-	49,57,73	1.49	12 (24%)	55,93,113	1.78	18 (32%)
14	CLA	A1	832	-	54,62,73	1.33	11 (20%)	62,99,113	1.67	16 (25%)
14	CLA	A1	816	-	54,62,73	1.45	10 (18%)	62,99,113	1.73	15 (24%)
16	BCR	B3	1847	-	41,41,41	0.93	1 (2%)	56,56,56	1.60	13 (23%)
16	BCR	B5	1847	-	41,41,41	0.94	1 (2%)	56,56,56	1.59	14 (25%)
16	BCR	A5	853	-	41,41,41	0.75	0	56,56,56	1.28	7 (12%)
14	CLA	B5	1826	-	54,62,73	1.56	12 (22%)	62,99,113	1.53	12 (19%)
16	BCR	A6	1652	-	41,41,41	0.77	0	56,56,56	1.29	8 (14%)
14	CLA	A1	833	1	45,53,73	1.50	11 (24%)	52,89,113	1.79	15 (28%)
14	CLA	L5	204	10	65,73,73	1.36	9 (13%)	76,113,113	1.57	16 (21%)
16	BCR	M2	1202	-	41,41,41	0.86	1 (2%)	56,56,56	1.46	10 (17%)
14	CLA	B6	807	-	65,73,73	1.20	9 (13%)	76,113,113	1.45	13 (17%)
14	CLA	A4	819	-	61,69,73	1.31	8 (13%)	71,108,113	1.57	11 (15%)
14	CLA	B2	826	-	65,73,73	1.35	10 (15%)	76,113,113	1.70	17 (22%)
14	CLA	B3	1809	-	65,73,73	1.16	9 (13%)	76,113,113	1.53	15 (19%)
14	CLA	A4	828	-	65,73,73	1.34	13 (20%)	76,113,113	1.59	16 (21%)
14	CLA	B3	1824	-	55,63,73	1.51	13 (23%)	64,101,113	1.66	17 (26%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
17	LHG	A4	851	14	26,26,48	1.65	5 (19%)	29,32,54	1.37	5 (17%)
14	CLA	B1	837	-	45,53,73	1.53	12 (26%)	52,89,113	1.75	13 (25%)
17	LHG	B6	849	-	22,22,48	1.67	5 (22%)	25,28,54	1.06	1 (4%)
14	CLA	B3	1812	2	65,73,73	1.22	8 (12%)	76,113,113	1.64	17 (22%)
16	BCR	B6	846	-	25,25,41	0.92	0	33,33,56	1.34	7 (21%)
14	CLA	A3	822	-	49,57,73	1.51	12 (24%)	55,93,113	1.78	16 (29%)
14	CLA	B3	1801	17	52,60,73	1.52	13 (25%)	60,97,113	1.77	17 (28%)
14	CLA	B5	1806	-	54,62,73	1.35	8 (14%)	62,99,113	1.81	16 (25%)
14	CLA	A4	825	-	65,73,73	1.18	9 (13%)	76,113,113	1.65	17 (22%)
16	BCR	F6	201	-	41,41,41	0.75	0	56,56,56	1.55	12 (21%)
16	BCR	B1	849	-	41,41,41	0.78	0	56,56,56	1.27	8 (14%)
14	CLA	B5	1836	-	45,53,73	1.56	12 (26%)	52,89,113	1.74	12 (23%)
16	BCR	J4	104	-	41,41,41	0.93	2 (4%)	56,56,56	1.45	11 (19%)
16	BCR	L1	203	-	41,41,41	0.75	0	56,56,56	1.42	10 (17%)
14	CLA	A4	807	1	65,73,73	1.22	9 (13%)	76,113,113	1.67	17 (22%)
16	BCR	A6	1644	-	41,41,41	0.92	1 (2%)	56,56,56	1.37	8 (14%)
14	CLA	J4	102	-	38,45,73	1.69	11 (28%)	43,78,113	1.72	13 (30%)
14	CLA	A6	1634	-	54,62,73	1.33	10 (18%)	62,99,113	1.76	17 (27%)
14	CLA	B6	812	-	45,53,73	1.55	11 (24%)	52,89,113	1.79	15 (28%)
16	BCR	B2	842	-	41,41,41	1.14	3 (7%)	56,56,56	1.53	10 (17%)
14	CLA	A3	837	-	51,59,73	1.28	7 (13%)	59,96,113	1.86	15 (25%)
16	BCR	B3	1849	-	41,41,41	0.84	0	56,56,56	1.42	12 (21%)
14	CLA	B1	815	-	65,73,73	1.30	12 (18%)	76,113,113	1.54	12 (15%)
14	CLA	B4	841	-	47,55,73	1.41	10 (21%)	54,91,113	1.81	16 (29%)
16	BCR	B5	1850	-	41,41,41	0.78	0	56,56,56	1.56	12 (21%)
14	CLA	A3	843	-	65,73,73	1.15	5 (7%)	76,113,113	1.65	19 (25%)
14	CLA	A2	1639	-	65,73,73	1.31	12 (18%)	76,113,113	1.46	14 (18%)
14	CLA	B3	1807	-	65,73,73	1.18	9 (13%)	76,113,113	1.50	13 (17%)
14	CLA	B5	1807	-	65,73,73	1.19	8 (12%)	76,113,113	1.56	14 (18%)
14	CLA	A1	808	1	65,73,73	1.27	10 (15%)	76,113,113	1.57	16 (21%)
16	BCR	A3	849	-	41,41,41	1.06	2 (4%)	56,56,56	1.45	11 (19%)
14	CLA	A6	1629	-	65,73,73	1.32	13 (20%)	76,113,113	1.55	15 (19%)
16	BCR	A4	844	-	41,41,41	1.04	2 (4%)	56,56,56	1.44	9 (16%)
14	CLA	B4	813	-	45,53,73	1.55	11 (24%)	52,89,113	1.78	14 (26%)
16	BCR	A2	1650	-	41,41,41	0.99	1 (2%)	56,56,56	1.36	10 (17%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A1	811	-	54,62,73	1.42	11 (20%)	62,99,113	1.62	13 (20%)
14	CLA	B1	828	-	65,73,73	1.33	10 (15%)	76,113,113	1.74	17 (22%)
14	CLA	B6	829	-	65,73,73	1.31	12 (18%)	76,113,113	1.67	20 (26%)
14	CLA	A3	842	-	65,73,73	1.28	8 (12%)	76,113,113	1.68	19 (25%)
14	CLA	A5	804	14	59,67,73	1.32	10 (16%)	68,105,113	1.65	14 (20%)
14	CLA	A2	1606	14	59,67,73	1.34	9 (15%)	68,105,113	1.71	16 (23%)
14	CLA	L4	205	-	65,73,73	1.34	13 (20%)	76,113,113	1.60	15 (19%)
14	CLA	A2	1630	-	65,73,73	1.20	8 (12%)	76,113,113	1.52	16 (21%)
14	CLA	A5	818	-	54,62,73	1.42	11 (20%)	62,99,113	1.64	14 (22%)
14	CLA	B2	804	-	65,73,73	1.18	9 (13%)	76,113,113	1.58	16 (21%)
14	CLA	A4	812	-	60,68,73	1.27	9 (15%)	70,107,113	1.60	16 (22%)
14	CLA	A6	1619	-	65,73,73	1.32	13 (20%)	76,113,113	1.62	18 (23%)
14	CLA	B5	1801	17	52,60,73	1.52	13 (25%)	60,97,113	1.78	16 (26%)
15	PQN	B1	842	-	34,34,34	2.25	8 (23%)	42,45,45	1.55	5 (11%)
14	CLA	B3	1827	-	46,54,73	1.47	11 (23%)	53,90,113	1.82	15 (28%)
16	BCR	I5	101	-	41,41,41	0.75	0	56,56,56	1.40	9 (16%)
14	CLA	A5	814	-	45,53,73	1.59	13 (28%)	52,89,113	1.69	15 (28%)
14	CLA	K1	1401	-	45,53,73	1.57	13 (28%)	52,89,113	1.85	15 (28%)
16	BCR	A6	1643	-	41,41,41	1.01	2 (4%)	56,56,56	1.44	9 (16%)
14	CLA	K6	1401	-	45,53,73	1.56	13 (28%)	52,89,113	1.81	16 (30%)
14	CLA	A3	812	-	54,62,73	1.39	11 (20%)	62,99,113	1.63	14 (22%)
14	CLA	B2	814	-	45,53,73	1.51	10 (22%)	52,89,113	1.91	15 (28%)
16	BCR	A5	847	-	41,41,41	1.05	2 (4%)	56,56,56	1.44	11 (19%)
14	CLA	A3	841	-	51,59,73	1.40	10 (19%)	59,96,113	1.76	15 (25%)
14	CLA	B6	833	-	58,66,73	1.39	11 (18%)	67,104,113	1.76	15 (22%)
14	CLA	J6	1102	8	45,53,73	1.58	13 (28%)	52,89,113	1.66	11 (21%)
14	CLA	A1	829	-	65,73,73	1.38	11 (16%)	76,113,113	1.55	15 (19%)
14	CLA	B5	1828	-	65,73,73	1.26	8 (12%)	76,113,113	1.52	16 (21%)
14	CLA	B6	824	2	54,62,73	1.53	13 (24%)	62,99,113	1.50	13 (20%)
14	CLA	A3	845	17	52,60,73	1.52	12 (23%)	60,97,113	1.76	17 (28%)
14	CLA	A3	813	-	60,68,73	1.26	8 (13%)	70,107,113	1.58	14 (20%)
18	SF4	A5	854	1	0,12,12	-	-	-	-	-
14	CLA	B4	828	-	65,73,73	1.26	8 (12%)	76,113,113	1.49	13 (17%)
14	CLA	B4	809	-	65,73,73	1.16	9 (13%)	76,113,113	1.53	14 (18%)
14	CLA	F5	1301	-	45,53,73	1.65	11 (24%)	52,89,113	1.69	13 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	J3	103	-	41,41,41	0.84	0	56,56,56	1.57	14 (25%)
14	CLA	F2	202	-	45,53,73	1.66	12 (26%)	52,89,113	1.63	13 (25%)
14	CLA	A3	823	-	51,59,73	1.43	10 (19%)	59,96,113	1.76	14 (23%)
14	CLA	A5	820	-	61,69,73	1.29	8 (13%)	71,108,113	1.63	13 (18%)
14	CLA	B3	1810	-	65,73,73	1.24	11 (16%)	76,113,113	1.64	18 (23%)
16	BCR	B3	1845	-	41,41,41	1.17	3 (7%)	56,56,56	1.50	9 (16%)
14	CLA	B3	1811	2	65,73,73	1.20	10 (15%)	76,113,113	1.58	17 (22%)
14	CLA	A5	802	-	65,73,73	1.30	12 (18%)	76,113,113	1.44	16 (21%)
14	CLA	A5	825	-	65,73,73	1.33	12 (18%)	76,113,113	1.43	14 (18%)
14	CLA	B1	832	-	49,57,73	1.47	11 (22%)	55,93,113	1.68	14 (25%)
14	CLA	A3	831	-	50,58,73	1.30	7 (14%)	58,95,113	1.75	16 (27%)
14	CLA	B1	817	-	55,63,73	1.46	12 (21%)	64,101,113	1.74	16 (25%)
18	SF4	C6	101	3	0,12,12	-	-	-	-	-
14	CLA	A6	1609	-	65,73,73	1.24	10 (15%)	76,113,113	1.61	15 (19%)
14	CLA	B6	803	-	65,73,73	1.30	10 (15%)	76,113,113	1.47	13 (17%)
14	CLA	A3	809	1	65,73,73	1.26	10 (15%)	76,113,113	1.59	15 (19%)
14	CLA	B6	832	-	65,73,73	1.28	10 (15%)	76,113,113	1.55	14 (18%)
14	CLA	L3	205	-	65,73,73	1.33	13 (20%)	76,113,113	1.59	14 (18%)
14	CLA	B1	835	-	45,53,73	1.60	13 (28%)	52,89,113	1.74	14 (26%)
14	CLA	B5	1842	-	65,73,73	1.20	8 (12%)	76,113,113	1.57	16 (21%)
14	CLA	A1	826	-	65,73,73	1.31	10 (15%)	76,113,113	1.53	14 (18%)
14	CLA	A4	838	-	65,73,73	1.31	10 (15%)	76,113,113	1.49	13 (17%)
14	CLA	L1	201	-	65,73,73	1.24	9 (13%)	76,113,113	1.65	16 (21%)
14	CLA	A2	1611	-	65,73,73	1.25	10 (15%)	76,113,113	1.65	16 (21%)
18	SF4	C2	102	3	0,12,12	-	-	-	-	-
14	CLA	B3	1802	-	65,73,73	1.22	9 (13%)	76,113,113	1.68	19 (25%)
14	CLA	A2	1620	-	54,62,73	1.41	10 (18%)	62,99,113	1.65	15 (24%)
14	CLA	B3	1833	-	49,57,73	1.42	11 (22%)	55,93,113	1.66	13 (23%)
14	CLA	B3	1832	-	45,53,73	1.50	10 (22%)	52,89,113	1.75	13 (25%)
14	CLA	B3	1826	-	54,62,73	1.55	12 (22%)	62,99,113	1.53	12 (19%)
14	CLA	B5	1832	-	45,53,73	1.48	11 (24%)	52,89,113	1.71	10 (19%)
14	CLA	A5	816	-	49,57,73	1.44	12 (24%)	55,93,113	1.80	17 (30%)
14	CLA	B4	824	-	55,63,73	1.50	13 (23%)	64,101,113	1.67	16 (25%)
17	LHG	B2	849	-	22,22,48	1.84	5 (22%)	25,28,54	1.08	1 (4%)
14	CLA	A3	810	-	45,53,73	1.54	11 (24%)	52,89,113	1.82	16 (30%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B3	1840	-	65,73,73	1.32	13 (20%)	76,113,113	1.46	12 (15%)
18	SF4	A4	852	1,2	0,12,12	-	-	-		
14	CLA	A5	833	-	65,73,73	1.17	7 (10%)	76,113,113	1.63	19 (25%)
14	CLA	A3	805	-	65,73,73	1.17	7 (10%)	76,113,113	1.56	16 (21%)
14	CLA	A6	1623	-	51,59,73	1.45	11 (21%)	59,96,113	1.75	13 (22%)
14	CLA	A5	836	-	51,59,73	1.29	7 (13%)	59,96,113	1.82	18 (30%)
14	CLA	A4	813	-	45,53,73	1.65	12 (26%)	52,89,113	1.66	14 (26%)
16	BCR	A1	843	-	41,41,41	0.96	1 (2%)	56,56,56	1.40	9 (16%)
16	BCR	B3	1848	-	25,25,41	0.94	0	33,33,56	1.33	7 (21%)
14	CLA	X4	102	12	45,53,73	1.66	13 (28%)	52,89,113	1.78	14 (26%)
14	CLA	X3	102	12	45,53,73	1.61	13 (28%)	52,89,113	1.68	12 (23%)
14	CLA	B2	818	-	65,73,73	1.28	12 (18%)	76,113,113	1.50	14 (18%)
14	CLA	B6	804	-	65,73,73	1.29	14 (21%)	76,113,113	1.49	17 (22%)
21	FES	P5	101	13	0,4,4	-	-	-		
14	CLA	B2	832	-	58,66,73	1.39	12 (20%)	67,104,113	1.73	15 (22%)
14	CLA	A4	841	-	65,73,73	1.16	7 (10%)	76,113,113	1.65	21 (27%)
14	CLA	A2	1629	-	65,73,73	1.27	8 (12%)	76,113,113	1.44	12 (15%)
14	CLA	B5	1833	-	49,57,73	1.43	10 (20%)	55,93,113	1.66	15 (27%)
14	CLA	B3	1835	-	58,66,73	1.38	12 (20%)	67,104,113	1.75	15 (22%)
14	CLA	B2	835	-	45,53,73	1.55	12 (26%)	52,89,113	1.78	13 (25%)
14	CLA	B4	833	-	49,57,73	1.43	11 (22%)	55,93,113	1.68	14 (25%)
14	CLA	B4	832	-	45,53,73	1.51	11 (24%)	52,89,113	1.76	12 (23%)
14	CLA	A6	1620	-	61,69,73	1.31	8 (13%)	71,108,113	1.59	11 (15%)
14	CLA	A2	1617	-	45,53,73	1.51	11 (24%)	52,89,113	1.90	16 (30%)
14	CLA	B1	813	-	45,53,73	1.57	11 (24%)	52,89,113	1.77	14 (26%)
14	CLA	F2	204	-	38,45,73	1.68	11 (28%)	43,78,113	1.66	12 (27%)
14	CLA	A2	1613	14	65,73,73	1.22	9 (13%)	76,113,113	1.57	17 (22%)
14	CLA	B1	830	-	65,73,73	1.31	12 (18%)	76,113,113	1.68	20 (26%)
16	BCR	L2	203	-	41,41,41	0.73	0	56,56,56	1.42	12 (21%)
17	LHG	A3	854	14	26,26,48	1.60	5 (19%)	29,32,54	1.41	5 (17%)
16	BCR	L3	201	-	41,41,41	1.03	2 (4%)	56,56,56	1.26	7 (12%)
14	CLA	A4	814	-	45,53,73	1.58	13 (28%)	52,89,113	1.93	17 (32%)
16	BCR	B6	850	-	41,41,41	1.05	2 (4%)	56,56,56	1.41	9 (16%)
14	CLA	B6	814	-	65,73,73	1.30	11 (16%)	76,113,113	1.62	15 (19%)
14	CLA	A4	842	-	42,49,73	1.51	9 (21%)	48,83,113	1.63	10 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A2	1602	-	65,73,73	1.25	8 (12%)	76,113,113	1.97	18 (23%)
14	CLA	B6	834	-	45,53,73	1.56	12 (26%)	52,89,113	1.79	15 (28%)
14	CLA	A6	1622	-	49,57,73	1.52	13 (26%)	55,93,113	1.75	14 (25%)
16	BCR	A6	1645	-	41,41,41	1.05	2 (4%)	56,56,56	1.47	11 (19%)
16	BCR	A1	845	-	41,41,41	0.99	1 (2%)	56,56,56	1.35	8 (14%)
14	CLA	B2	805	-	65,73,73	1.19	7 (10%)	76,113,113	1.45	13 (17%)
14	CLA	A1	831	-	65,73,73	1.20	7 (10%)	76,113,113	1.66	18 (23%)
16	BCR	L4	208	-	41,41,41	1.03	2 (4%)	56,56,56	1.32	7 (12%)
14	CLA	A1	809	-	45,53,73	1.58	12 (26%)	52,89,113	1.86	15 (28%)
14	CLA	B6	819	-	65,73,73	1.29	12 (18%)	76,113,113	1.45	15 (19%)
14	CLA	A5	806	-	65,73,73	1.29	9 (13%)	76,113,113	1.64	18 (23%)
14	CLA	B1	853	17	52,60,73	1.53	13 (25%)	60,97,113	1.81	16 (26%)
14	CLA	A6	1626	-	65,73,73	1.16	7 (10%)	76,113,113	1.63	15 (19%)
14	CLA	L5	206	-	65,73,73	1.34	14 (21%)	76,113,113	1.60	15 (19%)
14	CLA	L1	205	10	65,73,73	1.36	9 (13%)	76,113,113	1.60	16 (21%)
14	CLA	K4	1401	-	45,53,73	1.57	13 (28%)	52,89,113	1.83	17 (32%)
16	BCR	L2	201	-	41,41,41	1.04	2 (4%)	56,56,56	1.30	7 (12%)
14	CLA	B6	826	-	65,73,73	1.26	10 (15%)	76,113,113	1.49	15 (19%)
14	CLA	A2	1601	-	45,53,73	1.63	11 (24%)	52,89,113	1.89	15 (28%)
15	PQN	A6	1642	-	34,34,34	2.28	7 (20%)	42,45,45	1.75	4 (9%)
14	CLA	M3	1601	-	45,53,73	1.59	11 (24%)	52,89,113	1.92	14 (26%)
16	BCR	A1	847	-	41,41,41	0.92	2 (4%)	56,56,56	1.69	16 (28%)
14	CLA	L2	205	10	65,73,73	1.39	11 (16%)	76,113,113	1.60	17 (22%)
14	CLA	A2	1609	-	51,59,73	1.45	10 (19%)	59,96,113	1.80	15 (25%)
14	CLA	B2	827	-	65,73,73	1.38	11 (16%)	76,113,113	1.61	16 (21%)
14	CLA	B1	820	-	65,73,73	1.31	12 (18%)	76,113,113	1.50	14 (18%)
14	CLA	A2	1638	-	51,59,73	1.32	8 (15%)	59,96,113	1.84	16 (27%)
14	CLA	B4	804	-	65,73,73	1.33	12 (18%)	76,113,113	1.62	15 (19%)
14	CLA	B3	1816	-	65,73,73	1.29	11 (16%)	76,113,113	1.57	16 (21%)
14	CLA	A5	834	-	54,62,73	1.34	11 (20%)	62,99,113	1.72	17 (27%)
14	CLA	B5	1816	-	65,73,73	1.31	11 (16%)	76,113,113	1.60	15 (19%)
18	SF4	C3	102	3	0,12,12	-	-	-	-	-
14	CLA	A6	1607	-	51,59,73	1.45	10 (19%)	59,96,113	1.77	14 (23%)
14	CLA	B6	820	-	47,55,73	1.49	11 (23%)	54,91,113	1.79	12 (22%)
16	BCR	M6	1202	-	41,41,41	0.86	1 (2%)	56,56,56	1.47	11 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A3	832	-	65,73,73	1.20	8 (12%)	76,113,113	1.66	15 (19%)
14	CLA	B1	841	-	65,73,73	1.14	8 (12%)	76,113,113	1.71	15 (19%)
14	CLA	B4	834	-	65,73,73	1.27	10 (15%)	76,113,113	1.52	14 (18%)
14	CLA	A1	819	-	61,69,73	1.33	9 (14%)	71,108,113	1.65	12 (16%)
14	CLA	B5	1834	-	65,73,73	1.27	10 (15%)	76,113,113	1.58	17 (22%)
14	CLA	B6	809	-	65,73,73	1.22	10 (15%)	76,113,113	1.57	16 (21%)
14	CLA	B4	814	-	45,53,73	1.55	11 (24%)	52,89,113	1.79	13 (25%)
14	CLA	A1	825	-	65,73,73	1.17	8 (12%)	76,113,113	1.61	14 (18%)
14	CLA	A1	837	-	51,59,73	1.42	11 (21%)	59,96,113	1.75	15 (25%)
14	CLA	B1	823	-	55,63,73	1.50	12 (21%)	64,101,113	1.61	17 (26%)
14	CLA	A2	1621	-	65,73,73	1.32	13 (20%)	76,113,113	1.57	16 (21%)
16	BCR	I3	102	-	41,41,41	0.73	0	56,56,56	1.44	11 (19%)
14	CLA	B3	1836	-	45,53,73	1.56	12 (26%)	52,89,113	1.72	11 (21%)
19	LMG	B6	848	-	55,55,55	0.86	3 (5%)	63,63,63	1.02	3 (4%)
16	BCR	A1	844	-	41,41,41	1.08	2 (4%)	56,56,56	1.46	12 (21%)
14	CLA	A1	804	-	65,73,73	1.20	8 (12%)	76,113,113	1.54	12 (15%)
14	CLA	B4	810	-	65,73,73	1.23	11 (16%)	76,113,113	1.63	18 (23%)
14	CLA	B6	836	-	45,53,73	1.55	12 (26%)	52,89,113	1.76	14 (26%)
16	BCR	A2	1648	-	41,41,41	0.93	1 (2%)	56,56,56	1.39	9 (16%)
16	BCR	F3	203	-	41,41,41	0.88	1 (2%)	56,56,56	1.39	10 (17%)
14	CLA	B2	817	-	60,68,73	1.31	10 (16%)	70,107,113	1.70	16 (22%)
14	CLA	A1	840	-	42,49,73	1.51	8 (19%)	48,83,113	1.56	10 (20%)
16	BCR	A4	845	-	41,41,41	0.95	1 (2%)	56,56,56	1.41	9 (16%)
19	LMG	B4	851	-	55,55,55	0.85	3 (5%)	63,63,63	1.03	3 (4%)
14	CLA	B1	801	-	65,73,73	1.32	13 (20%)	76,113,113	1.51	16 (21%)
14	CLA	B2	807	-	65,73,73	1.25	11 (16%)	76,113,113	1.64	14 (18%)
14	CLA	A4	801	-	65,73,73	1.28	8 (12%)	76,113,113	2.02	18 (23%)
14	CLA	B3	1839	-	60,68,73	1.29	9 (15%)	70,107,113	1.41	9 (12%)
14	CLA	A5	826	-	65,73,73	1.17	7 (10%)	76,113,113	1.65	14 (18%)
14	CLA	A5	815	-	45,53,73	1.56	12 (26%)	52,89,113	1.92	17 (32%)
14	CLA	B2	830	-	49,57,73	1.43	11 (22%)	55,93,113	1.68	15 (27%)
14	CLA	B4	802	-	65,73,73	1.24	8 (12%)	76,113,113	1.68	20 (26%)
14	CLA	B4	825	-	45,53,73	1.56	11 (24%)	52,89,113	1.75	14 (26%)
14	CLA	B3	1838	-	45,53,73	1.51	12 (26%)	52,89,113	1.76	15 (28%)
14	CLA	B5	1814	-	45,53,73	1.53	11 (24%)	52,89,113	1.80	12 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A4	821	-	49,57,73	1.53	12 (24%)	55,93,113	1.76	17 (30%)
14	CLA	B4	821	-	65,73,73	1.30	12 (18%)	76,113,113	1.45	14 (18%)
16	BCR	M1	1202	-	41,41,41	0.89	1 (2%)	56,56,56	1.46	10 (17%)
14	CLA	A2	1628	-	65,73,73	1.18	8 (12%)	76,113,113	1.60	15 (19%)
14	CLA	X5	101	12	45,53,73	1.61	13 (28%)	52,89,113	1.72	13 (25%)
14	CLA	A5	811	14	65,73,73	1.23	11 (16%)	76,113,113	1.58	16 (21%)
14	CLA	A1	812	-	60,68,73	1.29	9 (15%)	70,107,113	1.58	13 (18%)
14	CLA	B2	806	-	65,73,73	1.13	8 (12%)	76,113,113	1.50	12 (15%)
14	CLA	A2	1637	1	45,53,73	1.49	11 (24%)	52,89,113	1.80	16 (30%)
14	CLA	A1	810	14	65,73,73	1.25	10 (15%)	76,113,113	1.61	17 (22%)
14	CLA	B6	806	-	65,73,73	1.19	11 (16%)	76,113,113	1.56	13 (17%)
14	CLA	A3	803	-	65,73,73	1.17	8 (12%)	76,113,113	1.47	13 (17%)
14	CLA	B4	836	-	45,53,73	1.56	12 (26%)	52,89,113	1.78	13 (25%)
14	CLA	B2	810	-	45,53,73	1.51	10 (22%)	52,89,113	1.79	14 (26%)
14	CLA	A3	829	-	65,73,73	1.32	13 (20%)	76,113,113	1.53	14 (18%)
14	CLA	L6	206	10	65,73,73	1.38	11 (16%)	76,113,113	1.56	17 (22%)
14	CLA	B2	834	-	45,53,73	1.61	11 (24%)	52,89,113	1.65	14 (26%)
14	CLA	A2	1642	-	51,59,73	1.39	11 (21%)	59,96,113	1.82	16 (27%)
14	CLA	A6	1611	14	65,73,73	1.22	9 (13%)	76,113,113	1.58	16 (21%)
14	CLA	L3	202	-	45,53,73	1.58	11 (24%)	52,89,113	1.85	12 (23%)
16	BCR	B2	850	-	41,41,41	1.05	2 (4%)	56,56,56	1.38	9 (16%)
14	CLA	A5	822	-	49,57,73	1.51	13 (26%)	55,93,113	1.81	16 (29%)
16	BCR	B1	845	-	41,41,41	0.96	3 (7%)	56,56,56	1.56	13 (23%)
14	CLA	B6	837	-	60,68,73	1.30	9 (15%)	70,107,113	1.45	13 (18%)
19	LMG	B2	848	-	55,55,55	0.85	3 (5%)	63,63,63	1.03	3 (4%)
14	CLA	B3	1834	-	65,73,73	1.28	10 (15%)	76,113,113	1.53	14 (18%)
21	FES	P4	101	13	0,4,4	-	-	-	-	-
14	CLA	A3	840	-	65,73,73	1.29	10 (15%)	76,113,113	1.47	14 (18%)
14	CLA	A2	1635	-	65,73,73	1.18	7 (10%)	76,113,113	1.66	17 (22%)
14	CLA	L6	203	-	65,73,73	1.14	5 (7%)	76,113,113	1.67	20 (26%)
16	BCR	B2	843	-	41,41,41	1.19	3 (7%)	56,56,56	1.63	11 (19%)
16	BCR	A4	846	-	41,41,41	1.09	2 (4%)	56,56,56	1.45	13 (23%)
16	BCR	A5	848	-	41,41,41	0.97	1 (2%)	56,56,56	1.35	10 (17%)
14	CLA	A5	819	-	65,73,73	1.31	13 (20%)	76,113,113	1.63	18 (23%)
16	BCR	F4	204	-	41,41,41	1.07	2 (4%)	56,56,56	1.41	9 (16%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B1	814	-	65,73,73	1.32	11 (16%)	76,113,113	1.47	14 (18%)
14	CLA	B5	1824	-	55,63,73	1.52	13 (23%)	64,101,113	1.67	19 (29%)
14	CLA	B6	813	-	65,73,73	1.30	11 (16%)	76,113,113	1.52	15 (19%)
14	CLA	J6	1101	-	65,73,73	1.18	8 (12%)	76,113,113	1.45	11 (14%)
16	BCR	A3	847	-	41,41,41	1.00	2 (4%)	56,56,56	1.44	9 (16%)
16	BCR	A2	1647	-	41,41,41	1.01	2 (4%)	56,56,56	1.43	9 (16%)
14	CLA	B2	829	-	45,53,73	1.48	11 (24%)	52,89,113	1.76	11 (21%)
14	CLA	A2	1633	-	50,58,73	1.34	7 (14%)	58,95,113	1.77	16 (27%)
14	CLA	B4	822	-	47,55,73	1.49	10 (21%)	54,91,113	1.81	12 (22%)
16	BCR	J1	103	-	41,41,41	0.87	1 (2%)	56,56,56	1.57	14 (25%)
14	CLA	A2	1624	-	49,57,73	1.52	13 (26%)	55,93,113	1.76	16 (29%)
16	BCR	F4	203	-	41,41,41	0.92	1 (2%)	56,56,56	1.39	10 (17%)
14	CLA	A5	843	17	52,60,73	1.51	12 (23%)	60,97,113	1.77	17 (28%)
14	CLA	A6	1617	-	54,62,73	1.42	9 (16%)	62,99,113	1.74	15 (24%)
18	SF4	C1	101	3	0,12,12	-	-	-	-	-
14	CLA	A2	1612	-	45,53,73	1.54	11 (24%)	52,89,113	1.85	15 (28%)
14	CLA	A6	1613	-	60,68,73	1.27	10 (16%)	70,107,113	1.55	14 (20%)
14	CLA	A6	1635	1	45,53,73	1.51	11 (24%)	52,89,113	1.83	13 (25%)
14	CLA	B3	1837	-	45,53,73	1.58	10 (22%)	52,89,113	1.61	15 (28%)
14	CLA	B3	1805	-	65,73,73	1.40	14 (21%)	76,113,113	1.43	16 (21%)
14	CLA	A6	1602	-	65,73,73	1.24	7 (10%)	76,113,113	1.96	19 (25%)
14	CLA	B3	1815	-	65,73,73	1.29	11 (16%)	76,113,113	1.55	16 (21%)
14	CLA	B6	808	-	65,73,73	1.26	11 (16%)	76,113,113	1.68	18 (23%)
15	PQN	B3	1844	-	34,34,34	2.26	8 (23%)	42,45,45	1.55	5 (11%)
17	LHG	A5	851	-	48,48,48	1.22	5 (10%)	51,54,54	1.06	3 (5%)
14	CLA	B1	802	-	65,73,73	1.22	8 (12%)	76,113,113	1.68	19 (25%)
14	CLA	A6	1632	-	65,73,73	1.17	7 (10%)	76,113,113	1.59	16 (21%)
17	LHG	A1	848	-	48,48,48	1.23	5 (10%)	51,54,54	1.04	3 (5%)
14	CLA	B6	815	-	45,53,73	1.51	9 (20%)	52,89,113	1.92	14 (26%)
14	CLA	A4	820	-	65,73,73	1.26	9 (13%)	76,113,113	1.52	15 (19%)
14	CLA	B1	816	-	45,53,73	1.51	10 (22%)	52,89,113	1.88	14 (26%)
14	CLA	J3	102	-	38,45,73	1.68	11 (28%)	43,78,113	1.76	13 (30%)
14	CLA	A1	813	-	45,53,73	1.65	14 (31%)	52,89,113	1.67	14 (26%)
16	BCR	B1	844	-	41,41,41	1.21	5 (12%)	56,56,56	1.67	14 (25%)
14	CLA	L1	206	-	65,73,73	1.33	12 (18%)	76,113,113	1.65	13 (17%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A2	1616	-	45,53,73	1.60	12 (26%)	52,89,113	1.70	16 (30%)
14	CLA	B1	804	-	65,73,73	1.31	14 (21%)	76,113,113	1.51	15 (19%)
14	CLA	A3	838	-	65,73,73	1.29	11 (16%)	76,113,113	1.49	16 (21%)
18	SF4	C3	101	-	0,12,12	-	-	-	-	-
14	CLA	B3	1804	-	65,73,73	1.31	12 (18%)	76,113,113	1.63	15 (19%)
16	BCR	A2	1649	-	41,41,41	1.06	2 (4%)	56,56,56	1.45	12 (21%)
14	CLA	I1	101	-	65,73,73	1.21	8 (12%)	76,113,113	1.56	18 (23%)
14	CLA	A2	1605	-	65,73,73	1.19	9 (13%)	76,113,113	1.43	12 (15%)
14	CLA	A6	1638	-	47,55,73	1.52	11 (23%)	54,91,113	1.88	17 (31%)
18	SF4	B6	801	2	0,12,12	-	-	-	-	-
14	CLA	A2	1640	-	47,55,73	1.53	11 (23%)	54,91,113	1.81	15 (27%)
14	CLA	B6	805	-	65,73,73	1.37	14 (21%)	76,113,113	1.41	16 (21%)
17	LHG	A2	1654	14	26,26,48	1.61	5 (19%)	29,32,54	1.36	5 (17%)
14	CLA	A2	1645	-	42,49,73	1.47	8 (19%)	48,83,113	1.56	10 (20%)
15	PQN	A3	846	-	34,34,34	2.29	7 (20%)	42,45,45	1.75	4 (9%)
14	CLA	B2	840	-	65,73,73	1.13	7 (10%)	76,113,113	1.69	14 (18%)
16	BCR	L6	201	-	41,41,41	1.04	2 (4%)	56,56,56	1.29	6 (10%)
16	BCR	B1	847	-	41,41,41	0.86	0	56,56,56	1.41	13 (23%)
14	CLA	L6	207	-	65,73,73	1.32	10 (15%)	76,113,113	1.58	14 (18%)
14	CLA	B5	1840	-	65,73,73	1.32	11 (16%)	76,113,113	1.53	15 (19%)
14	CLA	B5	1803	-	65,73,73	1.32	14 (21%)	76,113,113	1.50	17 (22%)
21	FES	P2	101	13	0,4,4	-	-	-	-	-
14	CLA	B4	830	-	65,73,73	1.38	12 (18%)	76,113,113	1.62	19 (25%)
14	CLA	A3	828	-	65,73,73	1.20	8 (12%)	76,113,113	1.55	16 (21%)
14	CLA	B6	822	-	55,63,73	1.50	12 (21%)	64,101,113	1.69	18 (28%)
14	CLA	A3	824	-	59,67,73	1.31	10 (16%)	68,105,113	1.58	14 (20%)
14	CLA	A2	1614	-	54,62,73	1.41	11 (20%)	62,99,113	1.61	13 (20%)
14	CLA	B2	838	-	47,55,73	1.41	10 (21%)	54,91,113	1.80	15 (27%)
14	CLA	L3	204	-	65,73,73	1.32	11 (16%)	76,113,113	1.64	15 (19%)
14	CLA	A6	1621	-	65,73,73	1.25	8 (12%)	76,113,113	1.51	15 (19%)
14	CLA	L6	202	-	65,73,73	1.21	9 (13%)	76,113,113	1.60	15 (19%)
14	CLA	B1	819	-	60,68,73	1.32	10 (16%)	70,107,113	1.72	17 (24%)
14	CLA	B4	816	-	65,73,73	1.30	11 (16%)	76,113,113	1.56	13 (17%)
16	BCR	A4	848	-	41,41,41	0.82	1 (2%)	56,56,56	1.37	9 (16%)
14	CLA	A1	839	-	65,73,73	1.15	7 (10%)	76,113,113	1.63	18 (23%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A5	809	-	65,73,73	1.25	10 (15%)	76,113,113	1.62	17 (22%)
14	CLA	A4	804	-	65,73,73	1.21	8 (12%)	76,113,113	1.62	15 (19%)
14	CLA	A2	1627	-	65,73,73	1.34	12 (18%)	76,113,113	1.45	13 (17%)
14	CLA	B4	831	-	65,73,73	1.30	12 (18%)	76,113,113	1.70	21 (27%)
14	CLA	A4	827	-	65,73,73	1.23	9 (13%)	76,113,113	1.53	15 (19%)
16	BCR	A6	1646	-	41,41,41	0.99	1 (2%)	56,56,56	1.35	10 (17%)
14	CLA	B1	829	-	65,73,73	1.39	13 (20%)	76,113,113	1.61	16 (21%)
16	BCR	B4	849	-	41,41,41	0.87	1 (2%)	56,56,56	1.43	12 (21%)
14	CLA	B4	839	-	60,68,73	1.31	9 (15%)	70,107,113	1.45	11 (15%)
14	CLA	A3	826	-	65,73,73	1.17	8 (12%)	76,113,113	1.63	17 (22%)
14	CLA	B4	840	-	65,73,73	1.33	12 (18%)	76,113,113	1.50	14 (18%)
14	CLA	K2	1401	-	45,53,73	1.56	13 (28%)	52,89,113	1.83	16 (30%)
14	CLA	B3	1841	-	47,55,73	1.40	8 (17%)	54,91,113	1.79	14 (25%)
14	CLA	B5	1808	-	65,73,73	1.19	8 (12%)	76,113,113	1.49	14 (18%)
14	CLA	A6	1640	-	65,73,73	1.26	8 (12%)	76,113,113	1.67	19 (25%)
14	CLA	A5	841	-	65,73,73	1.28	8 (12%)	76,113,113	1.75	19 (25%)
15	PQN	B5	1844	-	34,34,34	2.24	7 (20%)	42,45,45	1.58	5 (11%)
14	CLA	A1	836	-	47,55,73	1.57	12 (25%)	54,91,113	1.84	15 (27%)
14	CLA	A3	802	-	65,73,73	1.27	11 (16%)	76,113,113	1.46	15 (19%)
14	CLA	B2	828	-	65,73,73	1.29	11 (16%)	76,113,113	1.69	19 (25%)
14	CLA	A1	823	-	59,67,73	1.32	11 (18%)	68,105,113	1.54	15 (22%)
14	CLA	A4	829	-	65,73,73	1.38	13 (20%)	76,113,113	1.56	14 (18%)
14	CLA	A6	1614	-	45,53,73	1.61	14 (31%)	52,89,113	1.70	16 (30%)
16	BCR	J4	103	-	41,41,41	0.88	2 (4%)	56,56,56	1.56	14 (25%)
14	CLA	B1	838	-	60,68,73	1.33	9 (15%)	70,107,113	1.45	11 (15%)
14	CLA	A4	818	-	65,73,73	1.35	15 (23%)	76,113,113	1.57	16 (21%)
14	CLA	B3	1818	-	55,63,73	1.48	13 (23%)	64,101,113	1.67	16 (25%)
16	BCR	M3	1602	-	41,41,41	0.86	1 (2%)	56,56,56	1.46	12 (21%)
14	CLA	B6	828	-	65,73,73	1.41	12 (18%)	76,113,113	1.61	17 (22%)
18	SF4	A1	850	-	0,12,12	-	-	-	-	-
14	CLA	B4	803	-	65,73,73	1.30	14 (21%)	76,113,113	1.57	18 (23%)
14	CLA	A6	1637	-	65,73,73	1.32	11 (16%)	76,113,113	1.48	15 (19%)
14	CLA	L5	203	-	65,73,73	1.18	7 (10%)	76,113,113	1.63	16 (21%)
14	CLA	B4	812	2	65,73,73	1.19	8 (12%)	76,113,113	1.56	15 (19%)
14	CLA	B1	833	-	65,73,73	1.30	10 (15%)	76,113,113	1.64	16 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A5	827	-	65,73,73	1.28	9 (13%)	76,113,113	1.47	11 (14%)
14	CLA	B5	1810	-	65,73,73	1.23	11 (16%)	76,113,113	1.63	17 (22%)
14	CLA	A4	832	-	65,73,73	1.18	7 (10%)	76,113,113	1.58	17 (22%)
14	CLA	A4	803	14	59,67,73	1.34	10 (16%)	68,105,113	1.62	16 (23%)
17	LHG	A4	850	-	48,48,48	1.21	5 (10%)	51,54,54	1.05	3 (5%)
14	CLA	B4	827	-	46,54,73	1.48	13 (28%)	53,90,113	1.90	15 (28%)
14	CLA	A2	1618	-	49,57,73	1.47	11 (22%)	55,93,113	1.81	17 (30%)
16	BCR	B1	852	-	41,41,41	1.08	3 (7%)	56,56,56	1.37	8 (14%)
14	CLA	L2	206	-	65,73,73	1.31	11 (16%)	76,113,113	1.67	16 (21%)
14	CLA	B5	1809	-	65,73,73	1.17	9 (13%)	76,113,113	1.54	14 (18%)
18	SF4	C4	101	3	0,12,12	-	-	-	-	-
14	CLA	B5	1843	-	65,73,73	1.13	7 (10%)	76,113,113	1.72	15 (19%)
14	CLA	A1	821	-	49,57,73	1.52	12 (24%)	55,93,113	1.79	15 (27%)
14	CLA	A3	801	-	65,73,73	1.25	7 (10%)	76,113,113	2.02	18 (23%)
14	CLA	J3	101	8	45,53,73	1.58	13 (28%)	52,89,113	1.67	12 (23%)
15	PQN	B2	841	-	34,34,34	2.24	8 (23%)	42,45,45	1.58	5 (11%)
14	CLA	A1	803	14	59,67,73	1.35	10 (16%)	68,105,113	1.71	17 (25%)
14	CLA	B3	1817	-	45,53,73	1.50	9 (20%)	52,89,113	1.89	14 (26%)
14	CLA	B1	854	2	65,73,73	1.21	9 (13%)	76,113,113	1.56	16 (21%)
16	BCR	J5	103	-	41,41,41	0.83	0	56,56,56	1.58	14 (25%)
14	CLA	A1	822	-	51,59,73	1.44	10 (19%)	59,96,113	1.75	15 (25%)
16	BCR	I1	102	-	41,41,41	0.73	0	56,56,56	1.39	7 (12%)
14	CLA	A3	819	-	65,73,73	1.32	13 (20%)	76,113,113	1.59	17 (22%)
14	CLA	B2	816	-	59,67,73	1.32	11 (18%)	68,105,113	1.58	16 (23%)
14	CLA	J1	101	8	45,53,73	1.63	13 (28%)	52,89,113	1.59	10 (19%)
14	CLA	A2	1644	-	65,73,73	1.16	7 (10%)	76,113,113	1.64	19 (25%)
14	CLA	A4	826	-	65,73,73	1.28	9 (13%)	76,113,113	1.45	14 (18%)
14	CLA	B2	833	-	45,53,73	1.57	12 (26%)	52,89,113	1.79	15 (28%)
14	CLA	J5	102	-	38,45,73	1.65	10 (26%)	43,78,113	1.68	12 (27%)
14	CLA	A3	844	-	42,49,73	1.45	8 (19%)	48,83,113	1.49	6 (12%)
14	CLA	B3	1808	-	65,73,73	1.22	7 (10%)	76,113,113	1.54	16 (21%)
14	CLA	B3	1819	-	59,67,73	1.33	10 (16%)	68,105,113	1.64	16 (23%)
15	PQN	B4	844	-	34,34,34	2.24	7 (20%)	42,45,45	1.57	5 (11%)
14	CLA	B4	801	-	65,73,73	1.30	12 (18%)	76,113,113	1.47	15 (19%)
14	CLA	A3	820	-	61,69,73	1.29	8 (13%)	71,108,113	1.61	13 (18%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B6	817	-	59,67,73	1.32	11 (18%)	68,105,113	1.58	17 (25%)
14	CLA	A6	1624	-	59,67,73	1.31	11 (18%)	68,105,113	1.59	15 (22%)
18	SF4	C1	102	3	0,12,12	-	-	-		
14	CLA	B1	827	-	65,73,73	1.28	10 (15%)	76,113,113	1.54	18 (23%)
14	CLA	A1	814	-	45,53,73	1.56	12 (26%)	52,89,113	1.88	15 (28%)
14	CLA	A3	806	-	65,73,73	1.30	10 (15%)	76,113,113	1.58	16 (21%)
14	CLA	B6	810	2	65,73,73	1.17	7 (10%)	76,113,113	1.56	16 (21%)
14	CLA	B1	806	-	65,73,73	1.40	13 (20%)	76,113,113	1.43	17 (22%)
14	CLA	A5	813	-	60,68,73	1.27	9 (15%)	70,107,113	1.56	12 (17%)
14	CLA	B1	809	-	65,73,73	1.15	8 (12%)	76,113,113	1.53	14 (18%)
14	CLA	A6	1628	-	65,73,73	1.20	8 (12%)	76,113,113	1.55	16 (21%)
14	CLA	A4	830	-	50,58,73	1.34	7 (14%)	58,95,113	1.75	16 (27%)
14	CLA	B1	839	-	65,73,73	1.32	12 (18%)	76,113,113	1.50	13 (17%)
14	CLA	B6	811	-	45,53,73	1.54	11 (24%)	52,89,113	1.80	15 (28%)
14	CLA	A6	1618	-	54,62,73	1.41	11 (20%)	62,99,113	1.63	15 (24%)
14	CLA	A3	835	-	54,62,73	1.34	11 (20%)	62,99,113	1.73	16 (25%)
16	BCR	A1	846	-	41,41,41	0.81	1 (2%)	56,56,56	1.36	9 (16%)
14	CLA	B3	1820	-	60,68,73	1.32	9 (15%)	70,107,113	1.74	17 (24%)
14	CLA	B5	1820	-	60,68,73	1.31	9 (15%)	70,107,113	1.73	17 (24%)
14	CLA	B3	1828	-	65,73,73	1.27	9 (13%)	76,113,113	1.52	14 (18%)
14	CLA	A3	815	-	45,53,73	1.52	12 (26%)	52,89,113	1.86	16 (30%)
14	CLA	B6	841	-	65,73,73	1.13	7 (10%)	76,113,113	1.69	14 (18%)
14	CLA	B3	1829	-	65,73,73	1.33	10 (15%)	76,113,113	1.69	16 (21%)
14	CLA	B5	1829	-	65,73,73	1.31	10 (15%)	76,113,113	1.69	18 (23%)
16	BCR	A1	842	-	41,41,41	1.05	2 (4%)	56,56,56	1.43	9 (16%)
16	BCR	F6	203	-	41,41,41	0.88	0	56,56,56	1.39	10 (17%)
14	CLA	A4	817	-	54,62,73	1.42	10 (18%)	62,99,113	1.64	16 (25%)
14	CLA	A6	1639	-	51,59,73	1.37	10 (19%)	59,96,113	1.81	15 (25%)
14	CLA	A2	1615	-	60,68,73	1.27	10 (16%)	70,107,113	1.64	16 (22%)
14	CLA	B2	824	-	46,54,73	1.43	10 (21%)	53,90,113	1.82	15 (28%)
14	CLA	A4	853	-	45,53,73	1.59	11 (24%)	52,89,113	1.85	13 (25%)
14	CLA	A5	839	-	65,73,73	1.31	10 (15%)	76,113,113	1.48	13 (17%)
16	BCR	A3	851	-	41,41,41	0.77	1 (2%)	56,56,56	1.38	9 (16%)
16	BCR	L1	209	-	41,41,41	1.07	2 (4%)	56,56,56	1.31	8 (14%)
14	CLA	A6	1605	-	65,73,73	1.18	8 (12%)	76,113,113	1.55	14 (18%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	M6	1201	-	54,62,73	1.35	7 (12%)	62,99,113	1.75	16 (25%)
14	CLA	B1	826	-	46,54,73	1.45	12 (26%)	53,90,113	1.79	14 (26%)
17	LHG	A5	852	14	26,26,48	1.62	5 (19%)	29,32,54	1.41	5 (17%)
14	CLA	K3	1401	-	45,53,73	1.55	12 (26%)	52,89,113	1.82	15 (28%)
16	BCR	B1	848	-	41,41,41	0.77	1 (2%)	56,56,56	1.55	12 (21%)
16	BCR	A3	852	-	41,41,41	0.86	2 (4%)	56,56,56	1.70	17 (30%)
14	CLA	J4	101	8	45,53,73	1.64	13 (28%)	52,89,113	1.86	14 (26%)
14	CLA	A5	832	-	65,73,73	1.22	9 (13%)	76,113,113	1.65	15 (19%)
14	CLA	B1	836	-	45,53,73	1.61	13 (28%)	52,89,113	1.60	14 (26%)
16	BCR	B3	1851	-	41,41,41	1.06	3 (7%)	56,56,56	1.41	9 (16%)
14	CLA	B4	838	-	45,53,73	1.53	12 (26%)	52,89,113	1.77	14 (26%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	L5	207	-	-	0/29/63/63	0/2/2/2
14	CLA	B4	806	-	-	4/24/102/115	-
14	CLA	B4	842	-	-	2/37/115/115	-
16	BCR	A6	1647	-	-	2/29/63/63	0/2/2/2
14	CLA	A3	830	-	-	8/37/115/115	-
14	CLA	B3	1843	-	-	9/37/115/115	-
14	CLA	L5	202	-	-	9/13/91/115	-
18	SF4	A2	1655	1,2	-	-	0/6/5/5
14	CLA	A3	834	-	-	7/37/115/115	-
14	CLA	A3	808	1	-	16/37/115/115	-
16	BCR	J2	102	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	827	-	-	8/37/115/115	-
14	CLA	A1	802	-	1/1/15/20	5/37/115/115	-
14	CLA	L5	205	-	-	7/37/115/115	-
19	LMG	B1	850	-	-	8/50/70/70	0/1/1/1
16	BCR	I6	102	-	-	0/29/63/63	0/2/2/2
14	CLA	A6	1627	-	1/1/15/20	9/37/115/115	-
14	CLA	A6	1615	-	-	5/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B3	1821	-	-	4/37/115/115	-
14	CLA	B5	1821	-	-	4/37/115/115	-
14	CLA	F3	202	-	-	4/13/91/115	-
14	CLA	J5	101	8	1/1/11/20	11/13/91/115	-
14	CLA	A6	1601	-	-	9/13/91/115	-
14	CLA	B4	811	2	-	11/37/115/115	-
18	SF4	C5	102	3	-	-	0/6/5/5
14	CLA	B5	1837	-	-	2/13/91/115	-
14	CLA	A5	840	-	-	8/21/99/115	-
14	CLA	B4	823	-	-	5/13/91/115	-
14	CLA	A1	838	-	-	8/37/115/115	-
14	CLA	B5	1841	-	-	4/16/94/115	-
16	BCR	A3	850	-	-	2/29/63/63	0/2/2/2
14	CLA	A4	837	-	-	5/16/94/115	-
14	CLA	A3	807	-	-	6/21/99/115	-
21	FES	P3	101	13	-	-	0/1/1/1
14	CLA	I6	101	-	-	3/37/115/115	-
14	CLA	B1	822	-	-	5/13/91/115	-
14	CLA	A5	821	-	-	5/37/115/115	-
14	CLA	A2	1626	-	-	10/30/108/115	-
14	CLA	A2	1641	-	-	7/37/115/115	-
16	BCR	B5	1848	-	-	1/18/35/63	0/1/1/2
16	BCR	J5	105	-	-	1/29/63/63	0/2/2/2
16	BCR	L5	201	-	-	0/29/63/63	0/2/2/2
14	CLA	A4	831	-	-	8/37/115/115	-
14	CLA	A5	817	-	-	0/24/102/115	-
14	CLA	B2	811	-	-	3/13/91/115	-
14	CLA	B4	805	-	-	3/37/115/115	-
14	CLA	B2	839	-	-	2/37/115/115	-
16	BCR	A6	1648	-	-	8/29/63/63	0/2/2/2
14	CLA	A2	1625	-	-	9/21/99/115	-
14	CLA	A5	803	-	1/1/15/20	5/37/115/115	-
17	LHG	A1	849	14	1/1/5/5	11/31/31/53	-
14	CLA	X2	1701	12	-	6/13/91/115	-
16	BCR	A3	848	-	-	4/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B6	839	-	-	4/16/94/115	-
14	CLA	A4	835	-	1/1/12/20	5/21/99/115	-
14	CLA	A3	836	1	-	5/13/91/115	-
16	BCR	I5	102	-	-	4/29/63/63	0/2/2/2
14	CLA	A2	1632	-	-	8/37/115/115	-
14	CLA	B1	808	-	1/1/15/20	15/37/115/115	-
14	CLA	B1	831	-	-	8/13/91/115	-
14	CLA	A4	808	1	-	13/37/115/115	-
14	CLA	A4	834	1	-	5/13/91/115	-
14	CLA	B5	1831	-	-	8/37/115/115	-
14	CLA	A2	1631	-	-	8/37/115/115	-
14	CLA	M2	1201	-	-	4/24/102/115	-
18	SF4	C6	102	3	-	-	0/6/5/5
14	CLA	B6	825	-	-	6/15/93/115	-
14	CLA	B2	821	-	-	8/25/103/115	-
14	CLA	A1	806	-	-	6/21/99/115	-
16	BCR	A5	846	-	-	4/29/63/63	0/2/2/2
16	BCR	I2	101	-	-	0/29/63/63	0/2/2/2
14	CLA	L6	208	-	-	9/37/115/115	-
16	BCR	A2	1651	-	-	2/29/63/63	0/2/2/2
14	CLA	B3	1803	-	-	9/37/115/115	-
17	LHG	B1	851	-	-	8/26/26/53	-
14	CLA	J1	102	-	-	0/2/76/115	-
14	CLA	A1	835	-	-	9/37/115/115	-
14	CLA	B2	823	2	1/1/12/20	7/24/102/115	-
15	PQN	A2	1646	-	-	6/23/43/43	0/2/2/2
17	LHG	X3	101	-	-	9/26/26/53	-
16	BCR	A5	845	-	-	0/29/63/63	0/2/2/2
14	CLA	B5	1823	-	-	5/13/91/115	-
14	CLA	A1	834	-	1/1/12/20	6/21/99/115	-
14	CLA	L4	204	-	-	8/37/115/115	-
14	CLA	B6	802	-	-	3/37/115/115	-
16	BCR	J2	103	-	-	4/29/63/63	0/2/2/2
14	CLA	X1	1701	-	-	6/13/91/115	-
16	BCR	J3	104	-	-	4/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B1	825	-	1/1/12/20	7/24/102/115	-
15	PQN	A4	843	-	-	6/23/43/43	0/2/2/2
14	CLA	B1	807	-	1/1/15/20	15/37/115/115	-
14	CLA	B6	831	-	-	9/18/96/115	-
16	BCR	I1	103	-	-	0/29/63/63	0/2/2/2
14	CLA	J6	1103	-	-	0/2/76/115	-
16	BCR	A4	849	-	-	8/29/63/63	0/2/2/2
14	CLA	A6	1608	1	-	16/37/115/115	-
14	CLA	B2	801	-	-	9/37/115/115	-
16	BCR	B2	846	-	-	2/29/63/63	0/2/2/2
16	BCR	B6	845	-	-	4/29/63/63	0/2/2/2
14	CLA	A1	817	-	-	9/24/102/115	-
14	CLA	B1	840	-	-	4/16/94/115	-
14	CLA	A4	840	-	-	8/37/115/115	-
14	CLA	B6	840	-	-	2/37/115/115	-
14	CLA	A4	823	-	-	10/30/108/115	-
14	CLA	A5	837	-	-	9/37/115/115	-
16	BCR	B4	846	-	-	6/29/63/63	0/2/2/2
19	LMG	B3	1850	-	-	8/50/70/70	0/1/1/1
14	CLA	A4	802	-	1/1/15/20	4/37/115/115	-
18	SF4	A3	855	-	-	-	0/6/5/5
17	LHG	A3	853	-	-	19/53/53/53	-
14	CLA	A6	1630	-	-	8/37/115/115	-
14	CLA	A4	816	-	-	0/24/102/115	-
14	CLA	A2	1608	-	1/1/15/20	14/37/115/115	-
14	CLA	A1	830	-	-	5/19/97/115	-
14	CLA	A2	1603	-	-	4/37/115/115	-
14	CLA	B5	1813	-	-	3/13/91/115	-
14	CLA	B2	822	-	-	4/13/91/115	-
14	CLA	B6	821	-	-	5/13/91/115	-
16	BCR	B6	847	-	-	2/29/63/63	0/2/2/2
14	CLA	A5	829	-	-	8/37/115/115	-
16	BCR	F2	203	-	-	3/29/63/63	0/2/2/2
14	CLA	L1	207	-	-	9/37/115/115	-
14	CLA	A6	1633	-	-	7/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A5	831	-	-	4/19/97/115	-
14	CLA	A1	815	-	-	8/18/96/115	-
14	CLA	A2	1610	1	-	16/37/115/115	-
14	CLA	L2	207	-	-	9/37/115/115	-
16	BCR	F3	201	-	-	0/29/63/63	0/2/2/2
14	CLA	M1	1201	-	-	4/24/102/115	-
16	BCR	A5	849	-	-	2/29/63/63	0/2/2/2
14	CLA	B4	817	-	-	8/13/91/115	-
17	LHG	A2	1653	-	-	17/53/53/53	-
21	FES	P6	101	13	-	-	0/1/1/1
14	CLA	A5	838	-	-	5/16/94/115	-
14	CLA	A6	1604	14	-	12/30/108/115	-
14	CLA	B2	802	-	-	6/37/115/115	-
14	CLA	B2	825	-	1/1/15/20	12/37/115/115	-
14	CLA	B2	837	-	-	2/37/115/115	-
14	CLA	A5	842	-	-	9/37/115/115	-
14	CLA	B1	812	-	-	4/13/91/115	-
16	BCR	A4	847	-	-	2/29/63/63	0/2/2/2
16	BCR	B6	844	-	-	6/29/63/63	0/2/2/2
14	CLA	B1	810	-	-	9/37/115/115	-
14	CLA	F1	1301	-	-	4/13/91/115	-
16	BCR	B2	844	-	-	4/29/63/63	0/2/2/2
16	BCR	J6	1104	-	-	2/29/63/63	0/2/2/2
14	CLA	B6	816	-	-	8/25/103/115	-
14	CLA	A5	824	-	-	8/30/108/115	-
14	CLA	B5	1815	-	1/1/15/20	12/37/115/115	-
14	CLA	A4	805	-	1/1/15/20	14/37/115/115	-
14	CLA	B5	1835	-	-	7/29/107/115	-
14	CLA	B3	1830	-	-	10/37/115/115	-
14	CLA	B5	1830	-	-	11/37/115/115	-
14	CLA	B3	1814	-	-	3/13/91/115	-
14	CLA	B6	835	-	-	2/13/91/115	-
14	CLA	A6	1616	-	-	8/18/96/115	-
16	BCR	B2	845	-	-	1/18/35/63	0/1/1/2
14	CLA	B4	818	-	-	8/25/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	L4	206	-	-	0/29/63/63	0/2/2/2
16	BCR	B4	847	-	-	4/29/63/63	0/2/2/2
14	CLA	B2	809	2	1/1/15/20	8/37/115/115	-
14	CLA	A6	1651	-	-	8/37/115/115	-
14	CLA	B5	1805	-	-	3/37/115/115	-
17	LHG	A6	1649	-	-	19/53/53/53	-
14	CLA	A3	804	14	-	12/30/108/115	-
14	CLA	A1	807	1	-	16/37/115/115	-
14	CLA	A5	823	-	-	8/21/99/115	-
14	CLA	B5	1804	-	-	6/37/115/115	-
16	BCR	J1	104	-	-	4/29/63/63	0/2/2/2
14	CLA	A3	818	-	-	9/24/102/115	-
14	CLA	B1	818	-	-	6/30/108/115	-
14	CLA	A4	806	-	-	6/21/99/115	-
14	CLA	J2	101	8	1/1/11/20	11/13/91/115	-
16	BCR	B2	847	-	-	1/29/63/63	0/2/2/2
16	BCR	M4	101	-	-	4/29/63/63	0/2/2/2
14	CLA	L4	201	-	-	7/37/115/115	-
14	CLA	K5	101	-	1/1/9/20	3/7/81/115	-
17	LHG	X5	102	-	-	8/26/26/53	-
14	CLA	B5	1822	-	-	6/16/94/115	-
14	CLA	A6	1625	-	1/1/15/20	11/37/115/115	-
14	CLA	A6	1641	-	1/1/9/20	3/7/81/115	-
14	CLA	A3	814	-	-	0/13/91/115	-
14	CLA	B2	819	-	-	6/16/94/115	-
14	CLA	B1	834	-	-	7/29/107/115	-
14	CLA	A2	1622	-	-	12/33/111/115	-
14	CLA	A2	1636	-	-	5/24/102/115	-
16	BCR	L2	208	-	-	0/29/63/63	0/2/2/2
16	BCR	J6	1105	-	-	4/29/63/63	0/2/2/2
14	CLA	F4	202	-	-	4/13/91/115	-
14	CLA	A3	833	-	-	6/37/115/115	-
14	CLA	B1	805	-	-	6/37/115/115	-
14	CLA	B6	830	-	-	8/13/91/115	-
14	CLA	A4	833	-	-	4/24/102/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B6	827	-	-	14/37/115/115	-
14	CLA	A2	1643	-	-	8/37/115/115	-
14	CLA	B5	1825	-	-	4/13/91/115	-
16	BCR	F2	201	-	-	0/29/63/63	0/2/2/2
14	CLA	A5	835	1	-	5/13/91/115	-
14	CLA	A1	801	-	-	1/37/115/115	-
14	CLA	B2	831	-	-	16/37/115/115	-
14	CLA	B6	823	-	-	4/13/91/115	-
16	BCR	F5	1302	-	-	3/29/63/63	0/2/2/2
14	CLA	A5	812	-	-	9/24/102/115	-
14	CLA	A5	828	-	-	8/37/115/115	-
14	CLA	B3	1806	-	-	4/24/102/115	-
16	BCR	B4	845	-	-	0/29/63/63	0/2/2/2
16	BCR	I4	102	-	-	4/29/63/63	0/2/2/2
14	CLA	A5	810	-	-	9/13/91/115	-
14	CLA	A4	824	-	1/1/15/20	12/37/115/115	-
16	BCR	B5	1849	-	-	2/29/63/63	0/2/2/2
14	CLA	A3	825	-	1/1/15/20	10/37/115/115	-
16	BCR	M5	101	-	-	4/29/63/63	0/2/2/2
14	CLA	A5	805	-	1/1/15/20	16/37/115/115	-
14	CLA	B6	838	-	-	3/37/115/115	-
14	CLA	A6	1610	-	-	9/13/91/115	-
17	LHG	A6	1650	14	1/1/5/5	11/31/31/53	-
14	CLA	B4	835	-	-	7/29/107/115	-
14	CLA	A1	820	-	-	5/37/115/115	-
18	SF4	C4	102	3	-	-	0/6/5/5
14	CLA	B1	824	-	-	4/13/91/115	-
14	CLA	B2	803	-	-	3/37/115/115	-
14	CLA	B5	1818	-	-	8/25/103/115	-
14	CLA	A6	1606	-	1/1/15/20	14/37/115/115	-
14	CLA	A3	816	-	-	8/18/96/115	-
14	CLA	A3	827	-	1/1/15/20	8/37/115/115	-
14	CLA	B2	812	-	1/1/15/20	12/37/115/115	-
14	CLA	B5	1827	-	-	6/15/93/115	-
14	CLA	A5	830	-	-	9/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A3	811	14	-	12/37/115/115	-
14	CLA	B1	811	-	-	12/37/115/115	-
14	CLA	A4	811	-	-	9/24/102/115	-
14	CLA	B5	1812	2	1/1/15/20	10/37/115/115	-
14	CLA	B2	813	-	-	11/37/115/115	-
16	BCR	A3	856	-	-	1/29/63/63	0/2/2/2
16	BCR	L6	204	-	-	4/29/63/63	0/2/2/2
16	BCR	L3	206	-	-	0/29/63/63	0/2/2/2
14	CLA	B3	1842	-	-	2/37/115/115	-
14	CLA	B3	1813	-	-	3/13/91/115	-
16	BCR	L6	209	-	-	0/29/63/63	0/2/2/2
14	CLA	K5	102	-	-	5/13/91/115	-
14	CLA	B4	807	-	1/1/15/20	15/37/115/115	-
14	CLA	B4	843	-	-	10/37/115/115	-
15	PQN	B6	842	-	-	4/23/43/43	0/2/2/2
16	BCR	I3	101	-	-	0/29/63/63	0/2/2/2
14	CLA	B2	815	-	-	8/25/103/115	-
14	CLA	A4	810	14	-	12/37/115/115	-
14	CLA	A6	1603	-	-	10/37/115/115	-
14	CLA	A6	1612	-	-	9/24/102/115	-
14	CLA	B6	818	-	-	9/31/109/115	-
14	CLA	A2	1634	-	-	8/37/115/115	-
14	CLA	B3	1823	-	-	5/13/91/115	-
16	BCR	A2	1652	-	-	8/29/63/63	0/2/2/2
14	CLA	X6	1701	-	-	7/13/91/115	-
15	PQN	A5	844	-	-	6/23/43/43	0/2/2/2
18	SF4	C5	101	3	-	-	0/6/5/5
14	CLA	A6	1631	-	-	6/19/97/115	-
14	CLA	A2	1619	-	-	0/24/102/115	-
14	CLA	A3	817	-	-	0/24/102/115	-
14	CLA	A2	1604	-	-	10/37/115/115	-
14	CLA	A5	801	-	-	2/37/115/115	-
14	CLA	B4	815	-	1/1/15/20	12/37/115/115	-
14	CLA	B5	1819	-	-	6/30/108/115	-
14	CLA	A2	1607	-	1/1/15/20	16/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A5	807	-	-	6/21/99/115	-
14	CLA	B5	1839	-	1/1/14/20	10/31/109/115	-
14	CLA	A4	836	-	-	9/37/115/115	-
16	BCR	B4	850	-	-	1/29/63/63	0/2/2/2
14	CLA	A2	1623	-	-	5/37/115/115	-
15	PQN	A1	841	-	-	6/23/43/43	0/2/2/2
18	SF4	C2	101	3	-	-	0/6/5/5
16	BCR	F1	1302	-	-	3/29/63/63	0/2/2/2
16	BCR	I4	101	-	-	0/29/63/63	0/2/2/2
14	CLA	L1	202	-	-	7/37/115/115	-
16	BCR	B4	848	-	-	1/18/35/63	0/1/1/2
14	CLA	A5	808	1	-	16/37/115/115	-
14	CLA	L2	202	-	-	7/37/115/115	-
21	FES	P1	101	13	-	-	0/1/1/1
14	CLA	B1	821	-	-	5/16/94/115	-
14	CLA	B4	852	17	-	14/22/100/115	-
14	CLA	B2	808	2	-	13/37/115/115	-
16	BCR	B3	1846	-	-	6/29/63/63	0/2/2/2
16	BCR	B5	1846	-	-	6/29/63/63	0/2/2/2
14	CLA	B3	1831	-	-	8/37/115/115	-
16	BCR	F4	201	-	-	0/29/63/63	0/2/2/2
16	BCR	B1	843	-	-	0/29/63/63	0/2/2/2
16	BCR	J5	104	-	-	4/29/63/63	0/2/2/2
14	CLA	B2	820	-	-	5/13/91/115	-
14	CLA	B3	1822	-	-	7/16/94/115	-
17	LHG	X4	101	-	-	9/26/26/53	-
14	CLA	A1	828	-	-	8/37/115/115	-
14	CLA	L3	203	-	-	12/37/115/115	-
14	CLA	A3	839	-	-	5/16/94/115	-
14	CLA	B4	829	-	-	14/37/115/115	-
14	CLA	F6	202	-	-	4/13/91/115	-
14	CLA	B2	836	-	1/1/14/20	10/31/109/115	-
14	CLA	B4	820	-	-	10/31/109/115	-
14	CLA	A1	805	-	1/1/15/20	14/37/115/115	-
14	CLA	B1	803	-	-	7/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	L4	203	-	-	10/37/115/115	-
16	BCR	A5	850	-	-	8/29/63/63	0/2/2/2
14	CLA	B5	1838	-	-	4/13/91/115	-
14	CLA	A3	821	-	-	5/37/115/115	-
14	CLA	B3	1825	-	-	4/13/91/115	-
14	CLA	B5	1817	-	-	6/13/91/115	-
19	LMG	B5	1851	-	-	8/50/70/70	0/1/1/1
14	CLA	A4	822	-	-	9/21/99/115	-
16	BCR	B1	846	-	-	1/18/35/63	0/1/1/2
16	BCR	B6	843	-	-	0/29/63/63	0/2/2/2
14	CLA	B4	808	-	1/1/15/20	15/37/115/115	-
14	CLA	A6	1636	-	1/1/12/20	6/21/99/115	-
14	CLA	B4	837	-	-	1/13/91/115	-
14	CLA	B5	1811	2	-	13/37/115/115	-
16	BCR	B5	1845	-	-	0/29/63/63	0/2/2/2
14	CLA	A1	818	-	-	13/37/115/115	-
14	CLA	B4	819	-	-	6/30/108/115	-
14	CLA	A4	809	-	-	9/13/91/115	-
14	CLA	A1	824	-	1/1/15/20	11/37/115/115	-
14	CLA	A4	839	-	-	8/21/99/115	-
14	CLA	B5	1802	-	-	10/37/115/115	-
14	CLA	B4	826	2	1/1/12/20	7/24/102/115	-
14	CLA	A4	815	-	-	8/18/96/115	-
14	CLA	A1	832	-	-	4/24/102/115	-
14	CLA	A1	816	-	-	0/24/102/115	-
16	BCR	B3	1847	-	-	4/29/63/63	0/2/2/2
16	BCR	B5	1847	-	-	4/29/63/63	0/2/2/2
16	BCR	A5	853	-	-	1/29/63/63	0/2/2/2
14	CLA	B5	1826	-	1/1/12/20	7/24/102/115	-
16	BCR	A6	1652	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	833	1	-	5/13/91/115	-
14	CLA	L5	204	10	-	11/37/115/115	-
16	BCR	M2	1202	-	-	4/29/63/63	0/2/2/2
14	CLA	B6	807	-	1/1/15/20	15/37/115/115	-
14	CLA	A4	819	-	-	14/33/111/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B2	826	-	-	14/37/115/115	-
14	CLA	B3	1809	-	-	2/37/115/115	-
14	CLA	A4	828	-	-	8/37/115/115	-
14	CLA	B3	1824	-	-	8/25/103/115	-
17	LHG	A4	851	14	1/1/5/5	11/31/31/53	-
14	CLA	B1	837	-	-	4/13/91/115	-
17	LHG	B6	849	-	-	8/26/26/53	-
14	CLA	B3	1812	2	1/1/15/20	10/37/115/115	-
16	BCR	B6	846	-	-	1/18/35/63	0/1/1/2
14	CLA	A3	822	-	-	9/18/96/115	-
14	CLA	B3	1801	17	-	14/22/100/115	-
14	CLA	B5	1806	-	-	4/24/102/115	-
14	CLA	A4	825	-	-	13/37/115/115	-
16	BCR	F6	201	-	-	0/29/63/63	0/2/2/2
16	BCR	B1	849	-	-	2/29/63/63	0/2/2/2
14	CLA	B5	1836	-	-	4/13/91/115	-
16	BCR	J4	104	-	-	4/29/63/63	0/2/2/2
16	BCR	L1	203	-	-	4/29/63/63	0/2/2/2
14	CLA	A4	807	1	-	16/37/115/115	-
16	BCR	A6	1644	-	-	4/29/63/63	0/2/2/2
14	CLA	J4	102	-	-	0/2/76/115	-
14	CLA	A6	1634	-	-	4/24/102/115	-
14	CLA	B6	812	-	-	3/13/91/115	-
16	BCR	B2	842	-	-	1/29/63/63	0/2/2/2
14	CLA	A3	837	-	1/1/12/20	5/21/99/115	-
16	BCR	B3	1849	-	-	2/29/63/63	0/2/2/2
14	CLA	B1	815	-	-	12/37/115/115	-
14	CLA	B4	841	-	-	4/16/94/115	-
16	BCR	B5	1850	-	-	0/29/63/63	0/2/2/2
14	CLA	A3	843	-	-	9/37/115/115	-
14	CLA	B3	1807	-	1/1/15/20	14/37/115/115	-
14	CLA	B5	1807	-	1/1/15/20	14/37/115/115	-
14	CLA	A2	1639	-	-	8/37/115/115	-
14	CLA	A1	808	1	-	13/37/115/115	-
16	BCR	A3	849	-	-	0/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A6	1629	-	-	8/37/115/115	-
16	BCR	A4	844	-	-	0/29/63/63	0/2/2/2
14	CLA	B4	813	-	-	3/13/91/115	-
16	BCR	A2	1650	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	811	-	-	9/24/102/115	-
14	CLA	B1	828	-	-	14/37/115/115	-
14	CLA	B6	829	-	-	8/37/115/115	-
14	CLA	A3	842	-	-	8/37/115/115	-
14	CLA	A5	804	14	-	12/30/108/115	-
14	CLA	A2	1606	14	-	12/30/108/115	-
14	CLA	L4	205	-	-	9/37/115/115	-
14	CLA	A2	1630	-	-	8/37/115/115	-
14	CLA	A5	818	-	-	9/24/102/115	-
14	CLA	B2	804	-	1/1/15/20	14/37/115/115	-
14	CLA	A4	812	-	1/1/14/20	10/31/109/115	-
14	CLA	A6	1619	-	-	13/37/115/115	-
14	CLA	B5	1801	17	-	14/22/100/115	-
15	PQN	B1	842	-	-	4/23/43/43	0/2/2/2
14	CLA	B3	1827	-	-	6/15/93/115	-
16	BCR	I5	101	-	-	0/29/63/63	0/2/2/2
14	CLA	A5	814	-	-	3/13/91/115	-
14	CLA	K1	1401	-	-	5/13/91/115	-
16	BCR	A6	1643	-	-	0/29/63/63	0/2/2/2
14	CLA	K6	1401	-	-	5/13/91/115	-
14	CLA	A3	812	-	-	9/24/102/115	-
14	CLA	B2	814	-	-	8/13/91/115	-
16	BCR	A5	847	-	-	0/29/63/63	0/2/2/2
14	CLA	A3	841	-	-	8/21/99/115	-
14	CLA	J6	1102	8	1/1/11/20	11/13/91/115	-
14	CLA	B6	833	-	-	7/29/107/115	-
14	CLA	A1	829	-	-	8/37/115/115	-
14	CLA	B5	1828	-	1/1/15/20	12/37/115/115	-
14	CLA	B6	824	2	1/1/12/20	7/24/102/115	-
14	CLA	A3	845	17	-	15/22/100/115	-
14	CLA	A3	813	-	1/1/14/20	10/31/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	SF4	A5	854	1	-	-	0/6/5/5
14	CLA	B4	828	-	1/1/15/20	12/37/115/115	-
14	CLA	B4	809	-	-	1/37/115/115	-
14	CLA	F5	1301	-	-	4/13/91/115	-
16	BCR	J3	103	-	-	2/29/63/63	0/2/2/2
14	CLA	F2	202	-	-	4/13/91/115	-
14	CLA	A3	823	-	-	9/21/99/115	-
14	CLA	A5	820	-	-	13/33/111/115	-
14	CLA	B3	1810	-	-	9/37/115/115	-
16	BCR	B3	1845	-	-	0/29/63/63	0/2/2/2
14	CLA	B3	1811	2	-	14/37/115/115	-
14	CLA	A5	802	-	-	3/37/115/115	-
14	CLA	A5	825	-	1/1/15/20	12/37/115/115	-
14	CLA	B1	832	-	-	9/18/96/115	-
14	CLA	A3	831	-	-	4/19/97/115	-
14	CLA	B1	817	-	-	9/25/103/115	-
18	SF4	C6	101	3	-	-	0/6/5/5
14	CLA	A6	1609	-	-	13/37/115/115	-
14	CLA	B6	803	-	-	6/37/115/115	-
14	CLA	A3	809	1	-	13/37/115/115	-
14	CLA	B6	832	-	-	16/37/115/115	-
14	CLA	L3	205	-	-	9/37/115/115	-
14	CLA	B1	835	-	-	4/13/91/115	-
14	CLA	B5	1842	-	-	2/37/115/115	-
14	CLA	A1	826	-	1/1/15/20	7/37/115/115	-
14	CLA	A4	838	-	-	7/37/115/115	-
14	CLA	L1	201	-	-	8/37/115/115	-
14	CLA	A2	1611	-	-	13/37/115/115	-
18	SF4	C2	102	3	-	-	0/6/5/5
14	CLA	B3	1802	-	-	10/37/115/115	-
14	CLA	A2	1620	-	-	9/24/102/115	-
14	CLA	B3	1833	-	-	9/18/96/115	-
14	CLA	B3	1832	-	-	8/13/91/115	-
14	CLA	B3	1826	-	1/1/12/20	7/24/102/115	-
14	CLA	B5	1832	-	-	8/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A5	816	-	-	8/18/96/115	-
14	CLA	B4	824	-	-	8/25/103/115	-
17	LHG	B2	849	-	-	8/26/26/53	-
14	CLA	A3	810	-	-	9/13/91/115	-
14	CLA	B3	1840	-	-	2/37/115/115	-
18	SF4	A4	852	1,2	-	-	0/6/5/5
14	CLA	A5	833	-	-	7/37/115/115	-
14	CLA	A3	805	-	1/1/15/20	17/37/115/115	-
14	CLA	A5	836	-	1/1/12/20	5/21/99/115	-
14	CLA	A6	1623	-	-	10/21/99/115	-
14	CLA	A4	813	-	-	0/13/91/115	-
16	BCR	A1	843	-	-	4/29/63/63	0/2/2/2
16	BCR	B3	1848	-	-	1/18/35/63	0/1/1/2
14	CLA	X4	102	12	-	5/13/91/115	-
14	CLA	X3	102	12	-	7/13/91/115	-
14	CLA	B2	818	-	-	4/37/115/115	-
14	CLA	B6	804	-	-	9/37/115/115	-
21	FES	P5	101	13	-	-	0/1/1/1
14	CLA	B2	832	-	-	7/29/107/115	-
14	CLA	A4	841	-	-	9/37/115/115	-
14	CLA	A2	1629	-	1/1/15/20	9/37/115/115	-
14	CLA	B5	1833	-	-	9/18/96/115	-
14	CLA	B3	1835	-	-	7/29/107/115	-
14	CLA	B2	835	-	-	4/13/91/115	-
14	CLA	B4	833	-	-	9/18/96/115	-
14	CLA	B4	832	-	-	8/13/91/115	-
14	CLA	A6	1620	-	-	15/33/111/115	-
14	CLA	A2	1617	-	-	4/13/91/115	-
14	CLA	B1	813	-	-	3/13/91/115	-
14	CLA	F2	204	-	-	0/2/76/115	-
14	CLA	A2	1613	14	-	12/37/115/115	-
17	LHG	A3	854	14	1/1/5/5	11/31/31/53	-
14	CLA	B1	830	-	-	9/37/115/115	-
16	BCR	L2	203	-	-	4/29/63/63	0/2/2/2
16	BCR	L3	201	-	-	0/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A4	814	-	-	5/13/91/115	-
16	BCR	B6	850	-	-	1/29/63/63	0/2/2/2
14	CLA	B6	814	-	-	11/37/115/115	-
14	CLA	A4	842	-	1/1/9/20	3/7/81/115	-
14	CLA	A2	1602	-	-	3/37/115/115	-
14	CLA	B6	834	-	-	4/13/91/115	-
14	CLA	A6	1622	-	-	10/18/96/115	-
16	BCR	A6	1645	-	-	0/29/63/63	0/2/2/2
16	BCR	A1	845	-	-	2/29/63/63	0/2/2/2
14	CLA	B2	805	-	1/1/15/20	15/37/115/115	-
14	CLA	A1	831	-	-	6/37/115/115	-
16	BCR	L4	208	-	-	0/29/63/63	0/2/2/2
14	CLA	A1	809	-	-	9/13/91/115	-
14	CLA	A5	806	-	1/1/15/20	14/37/115/115	-
14	CLA	B6	819	-	-	4/37/115/115	-
14	CLA	B1	853	17	-	14/22/100/115	-
14	CLA	A6	1626	-	-	14/37/115/115	-
14	CLA	L5	206	-	-	9/37/115/115	-
14	CLA	L1	205	10	-	12/37/115/115	-
14	CLA	K4	1401	-	-	5/13/91/115	-
16	BCR	L2	201	-	-	0/29/63/63	0/2/2/2
14	CLA	B6	826	-	1/1/15/20	11/37/115/115	-
14	CLA	A2	1601	-	-	9/13/91/115	-
15	PQN	A6	1642	-	-	6/23/43/43	0/2/2/2
14	CLA	M3	1601	-	-	9/13/91/115	-
16	BCR	A1	847	-	-	8/29/63/63	0/2/2/2
14	CLA	L2	205	10	-	11/37/115/115	-
14	CLA	A2	1609	-	-	6/21/99/115	-
14	CLA	B2	827	-	-	12/37/115/115	-
14	CLA	B1	820	-	-	4/37/115/115	-
14	CLA	A2	1638	-	1/1/12/20	6/21/99/115	-
14	CLA	B4	804	-	-	7/37/115/115	-
14	CLA	B3	1816	-	-	12/37/115/115	-
14	CLA	A5	834	-	-	4/24/102/115	-
14	CLA	B5	1816	-	-	11/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	SF4	C3	102	3	-	-	0/6/5/5
14	CLA	A6	1607	-	-	6/21/99/115	-
14	CLA	B6	820	-	-	5/16/94/115	-
16	BCR	M6	1202	-	-	4/29/63/63	0/2/2/2
14	CLA	A3	832	-	-	8/37/115/115	-
14	CLA	B1	841	-	-	9/37/115/115	-
14	CLA	B4	834	-	-	16/37/115/115	-
14	CLA	A1	819	-	-	16/33/111/115	-
14	CLA	B5	1834	-	-	16/37/115/115	-
14	CLA	B6	809	-	-	13/37/115/115	-
14	CLA	B4	814	-	-	2/13/91/115	-
14	CLA	A1	825	-	-	12/37/115/115	-
14	CLA	A1	837	-	-	8/21/99/115	-
14	CLA	B1	823	-	-	8/25/103/115	-
14	CLA	A2	1621	-	-	13/37/115/115	-
16	BCR	I3	102	-	-	4/29/63/63	0/2/2/2
14	CLA	B3	1836	-	-	4/13/91/115	-
19	LMG	B6	848	-	-	8/50/70/70	0/1/1/1
16	BCR	A1	844	-	-	0/29/63/63	0/2/2/2
14	CLA	A1	804	-	1/1/15/20	16/37/115/115	-
14	CLA	B4	810	-	-	9/37/115/115	-
14	CLA	B6	836	-	-	4/13/91/115	-
16	BCR	A2	1648	-	-	4/29/63/63	0/2/2/2
16	BCR	F3	203	-	-	3/29/63/63	0/2/2/2
14	CLA	B2	817	-	-	9/31/109/115	-
14	CLA	A1	840	-	1/1/9/20	3/7/81/115	-
16	BCR	A4	845	-	-	4/29/63/63	0/2/2/2
19	LMG	B4	851	-	-	8/50/70/70	0/1/1/1
14	CLA	B1	801	-	-	3/37/115/115	-
14	CLA	B2	807	-	-	9/37/115/115	-
14	CLA	A4	801	-	-	2/37/115/115	-
14	CLA	B3	1839	-	1/1/14/20	9/31/109/115	-
14	CLA	A5	826	-	-	14/37/115/115	-
14	CLA	A5	815	-	-	3/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B2	830	-	-	9/18/96/115	-
14	CLA	B4	802	-	-	10/37/115/115	-
14	CLA	B4	825	-	-	4/13/91/115	-
14	CLA	B3	1838	-	-	4/13/91/115	-
14	CLA	B5	1814	-	-	3/13/91/115	-
14	CLA	A4	821	-	-	11/18/96/115	-
14	CLA	B4	821	-	-	4/37/115/115	-
16	BCR	M1	1202	-	-	4/29/63/63	0/2/2/2
14	CLA	A2	1628	-	-	13/37/115/115	-
14	CLA	X5	101	12	-	6/13/91/115	-
14	CLA	A5	811	14	-	12/37/115/115	-
14	CLA	A1	812	-	1/1/14/20	9/31/109/115	-
14	CLA	B2	806	-	-	2/37/115/115	-
14	CLA	A2	1637	1	-	5/13/91/115	-
14	CLA	A1	810	14	-	12/37/115/115	-
14	CLA	B6	806	-	1/1/15/20	14/37/115/115	-
14	CLA	A3	803	-	1/1/15/20	5/37/115/115	-
14	CLA	B4	836	-	-	4/13/91/115	-
14	CLA	B2	810	-	-	3/13/91/115	-
14	CLA	A3	829	-	-	8/37/115/115	-
14	CLA	L6	206	10	-	10/37/115/115	-
14	CLA	B2	834	-	-	2/13/91/115	-
14	CLA	A2	1642	-	-	8/21/99/115	-
14	CLA	A6	1611	14	-	12/37/115/115	-
14	CLA	L3	202	-	-	9/13/91/115	-
16	BCR	B2	850	-	-	0/29/63/63	0/2/2/2
14	CLA	A5	822	-	-	10/18/96/115	-
16	BCR	B1	845	-	-	4/29/63/63	0/2/2/2
14	CLA	B6	837	-	1/1/14/20	11/31/109/115	-
19	LMG	B2	848	-	-	8/50/70/70	0/1/1/1
14	CLA	B3	1834	-	-	16/37/115/115	-
21	FES	P4	101	13	-	-	0/1/1/1
14	CLA	A3	840	-	-	6/37/115/115	-
14	CLA	A2	1635	-	-	8/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	L6	203	-	-	9/37/115/115	-
16	BCR	B2	843	-	-	6/29/63/63	0/2/2/2
16	BCR	A4	846	-	-	0/29/63/63	0/2/2/2
16	BCR	A5	848	-	-	2/29/63/63	0/2/2/2
14	CLA	A5	819	-	-	13/37/115/115	-
16	BCR	F4	204	-	-	0/29/63/63	0/2/2/2
14	CLA	B1	814	-	1/1/15/20	12/37/115/115	-
14	CLA	B5	1824	-	-	8/25/103/115	-
14	CLA	B6	813	-	1/1/15/20	12/37/115/115	-
14	CLA	J6	1101	-	1/1/15/20	5/37/115/115	-
16	BCR	A3	847	-	-	0/29/63/63	0/2/2/2
16	BCR	A2	1647	-	-	0/29/63/63	0/2/2/2
14	CLA	B2	829	-	-	8/13/91/115	-
14	CLA	A2	1633	-	-	4/19/97/115	-
14	CLA	B4	822	-	-	6/16/94/115	-
16	BCR	J1	103	-	-	2/29/63/63	0/2/2/2
14	CLA	A2	1624	-	-	12/18/96/115	-
16	BCR	F4	203	-	-	3/29/63/63	0/2/2/2
14	CLA	A5	843	17	-	14/22/100/115	-
14	CLA	A6	1617	-	-	0/24/102/115	-
18	SF4	C1	101	3	-	-	0/6/5/5
14	CLA	A2	1612	-	-	9/13/91/115	-
14	CLA	A6	1613	-	1/1/14/20	9/31/109/115	-
14	CLA	A6	1635	1	-	5/13/91/115	-
14	CLA	B3	1837	-	-	0/13/91/115	-
14	CLA	B3	1805	-	-	3/37/115/115	-
14	CLA	A6	1602	-	-	3/37/115/115	-
14	CLA	B3	1815	-	1/1/15/20	11/37/115/115	-
14	CLA	B6	808	-	-	9/37/115/115	-
15	PQN	B3	1844	-	-	4/23/43/43	0/2/2/2
17	LHG	A5	851	-	-	19/53/53/53	-
14	CLA	B1	802	-	-	10/37/115/115	-
14	CLA	A6	1632	-	-	6/37/115/115	-
17	LHG	A1	848	-	-	18/53/53/53	-
14	CLA	B6	815	-	-	8/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A4	820	-	-	5/37/115/115	-
14	CLA	B1	816	-	-	6/13/91/115	-
14	CLA	J3	102	-	-	0/2/76/115	-
14	CLA	A1	813	-	-	1/13/91/115	-
16	BCR	B1	844	-	-	6/29/63/63	0/2/2/2
14	CLA	L1	206	-	-	9/37/115/115	-
14	CLA	A2	1616	-	-	0/13/91/115	-
14	CLA	B1	804	-	-	9/37/115/115	-
14	CLA	A3	838	-	-	7/37/115/115	-
18	SF4	C3	101	-	-	-	0/6/5/5
14	CLA	B3	1804	-	-	8/37/115/115	-
16	BCR	A2	1649	-	-	0/29/63/63	0/2/2/2
14	CLA	I1	101	-	-	2/37/115/115	-
14	CLA	A2	1605	-	1/1/15/20	5/37/115/115	-
14	CLA	A6	1638	-	-	5/16/94/115	-
18	SF4	B6	801	2	-	-	0/6/5/5
14	CLA	A2	1640	-	-	5/16/94/115	-
14	CLA	B6	805	-	-	3/37/115/115	-
17	LHG	A2	1654	14	1/1/5/5	11/31/31/53	-
14	CLA	A2	1645	-	1/1/9/20	3/7/81/115	-
15	PQN	A3	846	-	-	6/23/43/43	0/2/2/2
14	CLA	B2	840	-	-	10/37/115/115	-
16	BCR	L6	201	-	-	0/29/63/63	0/2/2/2
16	BCR	B1	847	-	-	2/29/63/63	0/2/2/2
14	CLA	L6	207	-	-	9/37/115/115	-
14	CLA	B5	1840	-	-	3/37/115/115	-
14	CLA	B5	1803	-	-	11/37/115/115	-
21	FES	P2	101	13	-	-	0/1/1/1
14	CLA	B4	830	-	-	10/37/115/115	-
14	CLA	A3	828	-	-	8/37/115/115	-
14	CLA	B6	822	-	-	8/25/103/115	-
14	CLA	A3	824	-	-	10/30/108/115	-
14	CLA	A2	1614	-	-	9/24/102/115	-
14	CLA	B2	838	-	-	4/16/94/115	-
14	CLA	L3	204	-	-	7/37/115/115	-
14	CLA	A6	1621	-	-	5/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	L6	202	-	-	8/37/115/115	-
14	CLA	B1	819	-	-	9/31/109/115	-
14	CLA	B4	816	-	-	11/37/115/115	-
16	BCR	A4	848	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	839	-	-	8/37/115/115	-
14	CLA	A5	809	-	-	13/37/115/115	-
14	CLA	A4	804	-	1/1/15/20	17/37/115/115	-
14	CLA	A2	1627	-	1/1/15/20	11/37/115/115	-
14	CLA	B4	831	-	-	8/37/115/115	-
14	CLA	A4	827	-	-	8/37/115/115	-
16	BCR	A6	1646	-	-	2/29/63/63	0/2/2/2
14	CLA	B1	829	-	-	11/37/115/115	-
16	BCR	B4	849	-	-	2/29/63/63	0/2/2/2
14	CLA	B4	839	-	1/1/14/20	10/31/109/115	-
14	CLA	A3	826	-	-	13/37/115/115	-
14	CLA	B4	840	-	-	3/37/115/115	-
14	CLA	K2	1401	-	-	5/13/91/115	-
14	CLA	B5	1808	-	1/1/15/20	15/37/115/115	-
14	CLA	B3	1841	-	-	4/16/94/115	-
14	CLA	A6	1640	-	-	8/37/115/115	-
14	CLA	A5	841	-	-	8/37/115/115	-
15	PQN	B5	1844	-	-	4/23/43/43	0/2/2/2
14	CLA	A1	836	-	-	5/16/94/115	-
14	CLA	A3	802	-	-	3/37/115/115	-
14	CLA	B2	828	-	-	8/37/115/115	-
14	CLA	A1	823	-	-	12/30/108/115	-
14	CLA	A4	829	-	-	8/37/115/115	-
14	CLA	A6	1614	-	-	0/13/91/115	-
16	BCR	J4	103	-	-	2/29/63/63	0/2/2/2
14	CLA	B1	838	-	1/1/14/20	9/31/109/115	-
14	CLA	A4	818	-	-	14/37/115/115	-
14	CLA	B3	1818	-	-	9/25/103/115	-
16	BCR	M3	1602	-	-	4/29/63/63	0/2/2/2
14	CLA	B6	828	-	-	12/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
18	SF4	A1	850	-	-	-	0/6/5/5
14	CLA	B4	803	-	-	11/37/115/115	-
14	CLA	A6	1637	-	-	8/37/115/115	-
14	CLA	L5	203	-	-	7/37/115/115	-
14	CLA	B4	812	2	1/1/15/20	10/37/115/115	-
14	CLA	B1	833	-	-	16/37/115/115	-
14	CLA	A5	827	-	1/1/15/20	7/37/115/115	-
14	CLA	B5	1810	-	-	9/37/115/115	-
14	CLA	A4	832	-	-	7/37/115/115	-
14	CLA	A4	803	14	-	12/30/108/115	-
17	LHG	A4	850	-	-	17/53/53/53	-
14	CLA	B4	827	-	-	6/15/93/115	-
14	CLA	A2	1618	-	-	8/18/96/115	-
16	BCR	B1	852	-	-	1/29/63/63	0/2/2/2
14	CLA	L2	206	-	-	9/37/115/115	-
14	CLA	B5	1809	-	-	2/37/115/115	-
18	SF4	C4	101	3	-	-	0/6/5/5
14	CLA	B5	1843	-	-	9/37/115/115	-
14	CLA	A1	821	-	-	11/18/96/115	-
14	CLA	J3	101	8	1/1/11/20	11/13/91/115	-
14	CLA	A3	801	-	-	3/37/115/115	-
15	PQN	B2	841	-	-	4/23/43/43	0/2/2/2
14	CLA	A1	803	14	-	12/30/108/115	-
14	CLA	B3	1817	-	-	8/13/91/115	-
14	CLA	B1	854	2	1/1/15/20	10/37/115/115	-
16	BCR	J5	103	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	822	-	-	9/21/99/115	-
16	BCR	I1	102	-	-	0/29/63/63	0/2/2/2
14	CLA	A3	819	-	-	14/37/115/115	-
14	CLA	B2	816	-	-	6/30/108/115	-
14	CLA	J1	101	8	1/1/11/20	11/13/91/115	-
14	CLA	A4	826	-	1/1/15/20	9/37/115/115	-
14	CLA	A2	1644	-	-	9/37/115/115	-
14	CLA	B2	833	-	-	4/13/91/115	-
14	CLA	J5	102	-	-	0/2/76/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A3	844	-	1/1/9/20	3/7/81/115	-
14	CLA	B3	1808	-	1/1/15/20	15/37/115/115	-
14	CLA	B3	1819	-	-	6/30/108/115	-
15	PQN	B4	844	-	-	4/23/43/43	0/2/2/2
14	CLA	B4	801	-	-	4/37/115/115	-
14	CLA	A3	820	-	-	14/33/111/115	-
14	CLA	B6	817	-	-	7/30/108/115	-
14	CLA	A6	1624	-	-	9/30/108/115	-
18	SF4	C1	102	3	-	-	0/6/5/5
14	CLA	B1	827	-	1/1/15/20	12/37/115/115	-
14	CLA	A1	814	-	-	5/13/91/115	-
14	CLA	A3	806	-	1/1/15/20	15/37/115/115	-
14	CLA	B6	810	2	1/1/15/20	8/37/115/115	-
14	CLA	A5	813	-	1/1/14/20	9/31/109/115	-
14	CLA	B1	806	-	-	3/37/115/115	-
14	CLA	B1	809	-	-	2/37/115/115	-
14	CLA	A6	1628	-	-	8/37/115/115	-
14	CLA	A4	830	-	-	5/19/97/115	-
14	CLA	B1	839	-	-	1/37/115/115	-
14	CLA	B6	811	-	-	3/13/91/115	-
14	CLA	A6	1618	-	-	9/24/102/115	-
14	CLA	A3	835	-	-	5/24/102/115	-
16	BCR	A1	846	-	-	2/29/63/63	0/2/2/2
14	CLA	B3	1820	-	-	9/31/109/115	-
14	CLA	B5	1820	-	-	9/31/109/115	-
14	CLA	B3	1828	-	1/1/15/20	11/37/115/115	-
14	CLA	A3	815	-	-	5/13/91/115	-
14	CLA	B6	841	-	-	9/37/115/115	-
14	CLA	B3	1829	-	-	14/37/115/115	-
14	CLA	B5	1829	-	-	14/37/115/115	-
16	BCR	A1	842	-	-	0/29/63/63	0/2/2/2
16	BCR	F6	203	-	-	3/29/63/63	0/2/2/2
14	CLA	A4	817	-	-	9/24/102/115	-
14	CLA	A6	1639	-	-	8/21/99/115	-
14	CLA	A2	1615	-	1/1/14/20	10/31/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B2	824	-	-	6/15/93/115	-
14	CLA	A4	853	-	-	9/13/91/115	-
14	CLA	A5	839	-	-	6/37/115/115	-
16	BCR	A3	851	-	-	2/29/63/63	0/2/2/2
16	BCR	L1	209	-	-	0/29/63/63	0/2/2/2
14	CLA	A6	1605	-	1/1/15/20	16/37/115/115	-
14	CLA	M6	1201	-	-	4/24/102/115	-
17	LHG	A5	852	14	1/1/5/5	10/31/31/53	-
14	CLA	B1	826	-	-	6/15/93/115	-
14	CLA	K3	1401	-	-	6/13/91/115	-
16	BCR	B1	848	-	-	0/29/63/63	0/2/2/2
16	BCR	A3	852	-	-	8/29/63/63	0/2/2/2
14	CLA	J4	101	8	1/1/11/20	11/13/91/115	-
14	CLA	A5	832	-	-	8/37/115/115	-
14	CLA	B1	836	-	-	2/13/91/115	-
16	BCR	B3	1851	-	-	1/29/63/63	0/2/2/2
14	CLA	B4	838	-	-	4/13/91/115	-

The worst 5 of 6354 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	A3	846	PQN	C3-C2	7.13	1.48	1.35
15	A5	844	PQN	C3-C2	7.09	1.48	1.35
15	A4	843	PQN	C3-C2	7.06	1.48	1.35
15	A2	1646	PQN	C3-C2	6.99	1.48	1.35
15	A1	841	PQN	C3-C2	6.96	1.47	1.35

The worst 5 of 10218 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	801	CLA	O2D-CGD-CBD	9.55	128.23	111.27
14	A4	801	CLA	O2D-CGD-CBD	9.44	128.05	111.27
14	A5	801	CLA	O2D-CGD-CBD	9.35	127.88	111.27
14	A1	801	CLA	O2D-CGD-CBD	9.32	127.83	111.27
14	A2	1602	CLA	O2D-CGD-CBD	9.22	127.65	111.27

5 of 102 chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
14	A1	802	CLA	ND
14	A1	804	CLA	ND
14	A1	805	CLA	ND
14	A1	812	CLA	ND
14	A1	824	CLA	ND

5 of 5134 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	A1	803	CLA	C3A-C2A-CAA-CBA
14	A1	804	CLA	C1A-C2A-CAA-CBA
14	A1	804	CLA	C3A-C2A-CAA-CBA
14	A1	804	CLA	CHA-CBD-CGD-O1D
14	A1	804	CLA	CHA-CBD-CGD-O2D

There are no ring outliers.

743 monomers are involved in 3480 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	L5	207	BCR	5	0
14	B4	806	CLA	3	0
14	B4	842	CLA	5	0
16	A6	1647	BCR	4	0
14	A3	830	CLA	7	0
14	B3	1843	CLA	5	0
14	L5	202	CLA	5	0
18	A2	1655	SF4	4	0
14	A3	834	CLA	13	0
14	A3	808	CLA	7	0
16	J2	102	BCR	4	0
14	A1	827	CLA	10	0
14	A1	802	CLA	2	0
14	L5	205	CLA	8	0
19	B1	850	LMG	8	0
16	I6	102	BCR	3	0
14	A6	1627	CLA	2	0
14	A6	1615	CLA	3	0
14	B3	1821	CLA	6	0
14	B5	1821	CLA	5	0
14	F3	202	CLA	3	0
14	J5	101	CLA	6	0
14	A6	1601	CLA	9	0
14	B4	811	CLA	7	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
18	C5	102	SF4	6	0
14	B5	1837	CLA	2	0
14	A5	840	CLA	3	0
14	B4	823	CLA	2	0
14	A1	838	CLA	3	0
14	B5	1841	CLA	4	0
16	A3	850	BCR	2	0
14	A4	837	CLA	5	0
14	A3	807	CLA	2	0
14	I6	101	CLA	2	0
14	B1	822	CLA	8	0
14	A5	821	CLA	6	0
14	A2	1626	CLA	1	0
14	A2	1641	CLA	2	0
16	B5	1848	BCR	3	0
16	J5	105	BCR	4	0
16	L5	201	BCR	6	0
14	A4	831	CLA	5	0
14	A5	817	CLA	1	0
14	B4	805	CLA	13	0
14	B2	839	CLA	3	0
16	A6	1648	BCR	16	0
14	A2	1625	CLA	2	0
14	A5	803	CLA	1	0
14	X2	1701	CLA	6	0
16	A3	848	BCR	2	0
17	A1	849	LHG	3	0
14	B6	839	CLA	5	0
14	A4	835	CLA	4	0
14	A3	836	CLA	1	0
16	I5	102	BCR	2	0
14	A2	1632	CLA	5	0
14	B1	808	CLA	9	0
14	B1	831	CLA	5	0
14	A4	808	CLA	2	0
14	A4	834	CLA	2	0
14	B5	1831	CLA	5	0
14	A2	1631	CLA	8	0
14	M2	1201	CLA	1	0
18	C6	102	SF4	4	0
14	B6	825	CLA	8	0
14	B2	821	CLA	7	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A1	806	CLA	2	0
16	A5	846	BCR	2	0
16	I2	101	BCR	5	0
14	L6	208	CLA	15	0
16	A2	1651	BCR	3	0
14	B3	1803	CLA	14	0
17	B1	851	LHG	2	0
14	J1	102	CLA	5	0
14	A1	835	CLA	4	0
14	B2	823	CLA	17	0
15	A2	1646	PQN	3	0
17	X3	101	LHG	6	0
16	A5	845	BCR	4	0
14	B5	1823	CLA	2	0
14	A1	834	CLA	4	0
14	L4	204	CLA	8	0
14	B6	802	CLA	10	0
16	J2	103	BCR	6	0
14	X1	1701	CLA	2	0
16	J3	104	BCR	2	0
14	B1	825	CLA	18	0
15	A4	843	PQN	2	0
14	B1	807	CLA	24	0
14	B6	831	CLA	2	0
16	I1	103	BCR	9	0
16	A4	849	BCR	14	0
14	A6	1608	CLA	7	0
14	B2	801	CLA	13	0
16	B2	846	BCR	4	0
16	B6	845	BCR	4	0
14	A1	817	CLA	9	0
14	B1	840	CLA	5	0
14	A4	840	CLA	5	0
14	B6	840	CLA	3	0
14	A4	823	CLA	1	0
14	A5	837	CLA	4	0
16	B4	846	BCR	6	0
18	A3	855	SF4	8	0
14	A4	802	CLA	1	0
19	B3	1850	LMG	8	0
17	A3	853	LHG	2	0
14	A6	1630	CLA	9	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A4	816	CLA	1	0
14	A2	1608	CLA	4	0
14	A1	830	CLA	5	0
14	A2	1603	CLA	4	0
14	B2	822	CLA	3	0
14	B6	821	CLA	4	0
16	B6	847	BCR	4	0
14	A5	829	CLA	4	0
16	F2	203	BCR	2	0
14	L1	207	CLA	6	0
14	A6	1633	CLA	9	0
14	A5	831	CLA	4	0
14	A1	815	CLA	1	0
14	A2	1610	CLA	6	0
14	L2	207	CLA	8	0
16	F3	201	BCR	2	0
14	M1	1201	CLA	3	0
16	A5	849	BCR	3	0
14	B4	817	CLA	4	0
17	A2	1653	LHG	2	0
14	A5	838	CLA	5	0
14	A6	1604	CLA	2	0
14	B2	802	CLA	10	0
14	B2	825	CLA	7	0
14	B2	837	CLA	7	0
14	A5	842	CLA	5	0
16	A4	847	BCR	3	0
16	B6	844	BCR	3	0
14	B1	810	CLA	3	0
14	F1	1301	CLA	1	0
16	B2	844	BCR	3	0
16	J6	1104	BCR	6	0
14	B6	816	CLA	3	0
14	B5	1815	CLA	12	0
14	A4	805	CLA	4	0
14	B5	1835	CLA	9	0
14	B3	1830	CLA	13	0
14	B5	1830	CLA	14	0
14	B3	1814	CLA	2	0
14	B6	835	CLA	3	0
14	A6	1616	CLA	1	0
16	B2	845	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B4	818	CLA	8	0
16	L4	206	BCR	5	0
16	B4	847	BCR	3	0
14	B2	809	CLA	10	0
14	A6	1651	CLA	8	0
14	B5	1805	CLA	8	0
17	A6	1649	LHG	3	0
14	A3	804	CLA	3	0
14	A1	807	CLA	5	0
14	A5	823	CLA	1	0
14	B5	1804	CLA	14	0
16	J1	104	BCR	10	0
14	A3	818	CLA	8	0
14	B1	818	CLA	33	0
14	A4	806	CLA	5	0
14	J2	101	CLA	6	0
16	B2	847	BCR	2	0
16	M4	101	BCR	6	0
14	L4	201	CLA	11	0
14	K5	101	CLA	1	0
14	B5	1822	CLA	2	0
14	A6	1625	CLA	12	0
14	A6	1641	CLA	2	0
14	A3	814	CLA	5	0
14	B2	819	CLA	3	0
14	B1	834	CLA	17	0
14	A2	1622	CLA	2	0
14	A2	1636	CLA	4	0
16	L2	208	BCR	3	0
16	J6	1105	BCR	8	0
14	F4	202	CLA	7	0
14	A3	833	CLA	1	0
14	B1	805	CLA	19	0
14	B6	830	CLA	6	0
14	A4	833	CLA	4	0
14	B6	827	CLA	5	0
14	A2	1643	CLA	4	0
14	B5	1825	CLA	3	0
16	F2	201	BCR	3	0
14	A5	835	CLA	2	0
14	A1	801	CLA	10	0
14	B2	831	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B6	823	CLA	3	0
16	F5	1302	BCR	2	0
14	A5	812	CLA	1	0
14	A5	828	CLA	15	0
14	B3	1806	CLA	5	0
16	B4	845	BCR	6	0
16	I4	102	BCR	11	0
14	A5	810	CLA	1	0
14	A4	824	CLA	7	0
16	B5	1849	BCR	5	0
14	A3	825	CLA	10	0
16	M5	101	BCR	3	0
14	A5	805	CLA	13	0
14	B6	838	CLA	4	0
14	A6	1610	CLA	2	0
17	A6	1650	LHG	2	0
14	B4	835	CLA	7	0
14	A1	820	CLA	6	0
18	C4	102	SF4	3	0
14	B1	824	CLA	7	0
14	B2	803	CLA	4	0
14	B5	1818	CLA	5	0
14	A6	1606	CLA	4	0
14	A3	816	CLA	2	0
14	A3	827	CLA	3	0
14	B2	812	CLA	8	0
14	B5	1827	CLA	5	0
14	A5	830	CLA	10	0
14	A3	811	CLA	9	0
14	B1	811	CLA	13	0
14	A4	811	CLA	1	0
14	B5	1812	CLA	11	0
14	B2	813	CLA	5	0
16	A3	856	BCR	2	0
16	L6	204	BCR	1	0
16	L3	206	BCR	5	0
14	B3	1842	CLA	10	0
14	B3	1813	CLA	6	0
16	L6	209	BCR	4	0
14	B4	807	CLA	6	0
14	B4	843	CLA	2	0
15	B6	842	PQN	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	I3	101	BCR	3	0
14	B2	815	CLA	7	0
14	A4	810	CLA	6	0
14	A6	1603	CLA	11	0
14	A6	1612	CLA	1	0
14	B6	818	CLA	7	0
14	A2	1634	CLA	5	0
14	B3	1823	CLA	2	0
16	A2	1652	BCR	10	0
14	X6	1701	CLA	1	0
15	A5	844	PQN	2	0
18	C5	101	SF4	7	0
14	A6	1631	CLA	3	0
14	A2	1619	CLA	3	0
14	A3	817	CLA	3	0
14	A2	1604	CLA	9	0
14	A5	801	CLA	12	0
14	B4	815	CLA	15	0
14	B5	1819	CLA	10	0
14	A2	1607	CLA	8	0
14	A5	807	CLA	2	0
14	A4	836	CLA	4	0
14	B5	1839	CLA	12	0
16	B4	850	BCR	1	0
14	A2	1623	CLA	12	0
15	A1	841	PQN	3	0
18	C2	101	SF4	7	0
16	F1	1302	BCR	2	0
16	I4	101	BCR	1	0
14	L1	202	CLA	4	0
16	B4	848	BCR	5	0
14	A5	808	CLA	5	0
14	L2	202	CLA	6	0
14	B1	821	CLA	3	0
14	B4	852	CLA	10	0
14	B2	808	CLA	13	0
16	B3	1846	BCR	4	0
16	B5	1846	BCR	3	0
14	B3	1831	CLA	7	0
16	F4	201	BCR	9	0
16	B1	843	BCR	1	0
16	J5	104	BCR	13	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B2	820	CLA	2	0
14	B3	1822	CLA	4	0
17	X4	101	LHG	1	0
14	A1	828	CLA	4	0
14	L3	203	CLA	13	0
14	A3	839	CLA	6	0
14	B4	829	CLA	10	0
14	F6	202	CLA	14	0
14	B2	836	CLA	4	0
14	B4	820	CLA	11	0
14	A1	805	CLA	4	0
14	B1	803	CLA	7	0
14	L4	203	CLA	11	0
16	A5	850	BCR	12	0
14	B5	1838	CLA	2	0
14	A3	821	CLA	8	0
14	B3	1825	CLA	3	0
14	B5	1817	CLA	2	0
19	B5	1851	LMG	9	0
14	A4	822	CLA	2	0
16	B1	846	BCR	4	0
16	B6	843	BCR	1	0
14	B4	808	CLA	8	0
14	A6	1636	CLA	3	0
14	B4	837	CLA	7	0
14	B5	1811	CLA	4	0
16	B5	1845	BCR	2	0
14	A1	818	CLA	6	0
14	B4	819	CLA	8	0
14	A4	809	CLA	1	0
14	A1	824	CLA	5	0
14	A4	839	CLA	1	0
14	B5	1802	CLA	11	0
14	B4	826	CLA	17	0
14	A4	815	CLA	2	0
14	A1	832	CLA	4	0
14	A1	816	CLA	3	0
16	B3	1847	BCR	4	0
16	B5	1847	BCR	4	0
16	A5	853	BCR	1	0
14	B5	1826	CLA	11	0
16	A6	1652	BCR	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A1	833	CLA	2	0
14	L5	204	CLA	11	0
16	M2	1202	BCR	2	0
14	B6	807	CLA	6	0
14	A4	819	CLA	3	0
14	B2	826	CLA	7	0
14	B3	1809	CLA	8	0
14	A4	828	CLA	2	0
17	A4	851	LHG	3	0
14	B1	837	CLA	6	0
17	B6	849	LHG	2	0
14	B3	1812	CLA	9	0
16	B6	846	BCR	1	0
14	A3	822	CLA	4	0
14	B3	1801	CLA	11	0
14	B5	1806	CLA	2	0
14	A4	825	CLA	5	0
16	F6	201	BCR	2	0
16	B1	849	BCR	1	0
14	B5	1836	CLA	2	0
16	J4	104	BCR	9	0
16	L1	203	BCR	3	0
14	A4	807	CLA	6	0
16	A6	1644	BCR	1	0
14	J4	102	CLA	4	0
14	A6	1634	CLA	3	0
16	B2	842	BCR	4	0
14	A3	837	CLA	5	0
16	B3	1849	BCR	5	0
14	B1	815	CLA	14	0
14	B4	841	CLA	5	0
16	B5	1850	BCR	1	0
14	A3	843	CLA	10	0
14	A2	1639	CLA	5	0
14	B3	1807	CLA	12	0
14	B5	1807	CLA	5	0
14	A1	808	CLA	2	0
16	A3	849	BCR	2	0
14	A6	1629	CLA	2	0
16	A4	844	BCR	1	0
14	B4	813	CLA	1	0
16	A2	1650	BCR	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A1	811	CLA	2	0
14	B1	828	CLA	8	0
14	B6	829	CLA	6	0
14	A3	842	CLA	6	0
14	A5	804	CLA	4	0
14	A2	1606	CLA	3	0
14	L4	205	CLA	9	0
14	A2	1630	CLA	11	0
14	A5	818	CLA	8	0
14	B2	804	CLA	8	0
14	A4	812	CLA	1	0
14	A6	1619	CLA	3	0
14	B5	1801	CLA	20	0
15	B1	842	PQN	5	0
14	B3	1827	CLA	6	0
16	I5	101	BCR	3	0
14	A5	814	CLA	4	0
14	K1	1401	CLA	4	0
16	A6	1643	BCR	2	0
14	K6	1401	CLA	2	0
14	B2	814	CLA	4	0
16	A5	847	BCR	1	0
14	A3	841	CLA	2	0
14	B6	833	CLA	7	0
14	J6	1102	CLA	3	0
14	A1	829	CLA	9	0
14	B5	1828	CLA	5	0
14	B6	824	CLA	16	0
14	A3	845	CLA	4	0
18	A5	854	SF4	5	0
14	B4	828	CLA	5	0
14	B4	809	CLA	6	0
14	F5	1301	CLA	4	0
16	J3	103	BCR	4	0
14	F2	202	CLA	4	0
14	A3	823	CLA	1	0
14	A5	820	CLA	2	0
14	B3	1810	CLA	6	0
16	B3	1845	BCR	6	0
14	B3	1811	CLA	3	0
14	A5	802	CLA	5	0
14	A5	825	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B1	832	CLA	6	0
14	A3	831	CLA	3	0
14	B1	817	CLA	32	0
18	C6	101	SF4	4	0
14	A6	1609	CLA	2	0
14	B6	803	CLA	6	0
14	A3	809	CLA	3	0
14	B6	832	CLA	7	0
14	L3	205	CLA	9	0
14	B1	835	CLA	3	0
14	B5	1842	CLA	4	0
14	A1	826	CLA	3	0
14	A4	838	CLA	3	0
14	L1	201	CLA	4	0
14	A2	1611	CLA	4	0
18	C2	102	SF4	6	0
14	B3	1802	CLA	14	0
14	A2	1620	CLA	6	0
14	B3	1833	CLA	2	0
14	B3	1832	CLA	5	0
14	B3	1826	CLA	15	0
14	B5	1832	CLA	7	0
14	A5	816	CLA	1	0
17	B2	849	LHG	2	0
14	A3	810	CLA	1	0
14	B3	1840	CLA	3	0
18	A4	852	SF4	4	0
14	A5	833	CLA	1	0
14	A3	805	CLA	11	0
14	A6	1623	CLA	2	0
14	A5	836	CLA	2	0
14	A4	813	CLA	5	0
16	A1	843	BCR	5	0
16	B3	1848	BCR	3	0
14	X4	102	CLA	16	0
14	X3	102	CLA	1	0
14	B2	818	CLA	6	0
14	B6	804	CLA	14	0
14	B2	832	CLA	12	0
14	A4	841	CLA	7	0
14	A2	1629	CLA	3	0
14	B5	1833	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B3	1835	CLA	7	0
14	B2	835	CLA	3	0
14	B4	833	CLA	2	0
14	B4	832	CLA	7	0
14	A6	1620	CLA	2	0
14	A2	1617	CLA	1	0
14	F2	204	CLA	9	0
14	A2	1613	CLA	6	0
14	B1	830	CLA	6	0
16	L2	203	BCR	2	0
17	A3	854	LHG	3	0
16	L3	201	BCR	4	0
14	A4	814	CLA	2	0
16	B6	850	BCR	4	0
14	B6	814	CLA	3	0
14	A4	842	CLA	2	0
14	A2	1602	CLA	10	0
14	A6	1622	CLA	3	0
16	A6	1645	BCR	2	0
16	A1	845	BCR	2	0
14	B2	805	CLA	7	0
14	A1	831	CLA	1	0
16	L4	208	BCR	8	0
14	A1	809	CLA	2	0
14	B6	819	CLA	8	0
14	A5	806	CLA	5	0
14	B1	853	CLA	8	0
14	A6	1626	CLA	4	0
14	L5	206	CLA	7	0
14	L1	205	CLA	8	0
14	K4	1401	CLA	3	0
16	L2	201	BCR	5	0
14	B6	826	CLA	6	0
14	A2	1601	CLA	6	0
15	A6	1642	PQN	4	0
14	M3	1601	CLA	11	0
16	A1	847	BCR	19	0
14	L2	205	CLA	3	0
14	A2	1609	CLA	4	0
14	B2	827	CLA	14	0
14	B1	820	CLA	13	0
14	A2	1638	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B4	804	CLA	12	0
14	B3	1816	CLA	15	0
14	A5	834	CLA	4	0
14	B5	1816	CLA	4	0
18	C3	102	SF4	4	0
14	A6	1607	CLA	2	0
14	B6	820	CLA	2	0
16	M6	1202	BCR	2	0
14	A3	832	CLA	3	0
14	B1	841	CLA	2	0
14	B4	834	CLA	5	0
14	A1	819	CLA	1	0
14	B5	1834	CLA	3	0
14	B6	809	CLA	8	0
14	B4	814	CLA	1	0
14	A1	825	CLA	8	0
14	A1	837	CLA	2	0
14	B1	823	CLA	6	0
14	A2	1621	CLA	5	0
16	I3	102	BCR	4	0
14	B3	1836	CLA	7	0
19	B6	848	LMG	10	0
16	A1	844	BCR	2	0
14	A1	804	CLA	15	0
14	B4	810	CLA	8	0
14	B6	836	CLA	3	0
16	A2	1648	BCR	2	0
16	F3	203	BCR	1	0
14	B2	817	CLA	3	0
14	A1	840	CLA	3	0
16	A4	845	BCR	2	0
19	B4	851	LMG	8	0
14	B1	801	CLA	13	0
14	B2	807	CLA	4	0
14	A4	801	CLA	12	0
14	B3	1839	CLA	17	0
14	A5	826	CLA	5	0
14	A5	815	CLA	2	0
14	B2	830	CLA	4	0
14	B4	802	CLA	12	0
14	B4	825	CLA	3	0
14	B3	1838	CLA	10	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A4	821	CLA	3	0
14	B4	821	CLA	7	0
16	M1	1202	BCR	2	0
14	A2	1628	CLA	4	0
14	X5	101	CLA	2	0
14	A5	811	CLA	4	0
14	A1	812	CLA	3	0
14	B2	806	CLA	9	0
14	A2	1637	CLA	2	0
14	A1	810	CLA	8	0
14	B6	806	CLA	9	0
14	A3	803	CLA	2	0
14	B4	836	CLA	5	0
14	B2	810	CLA	5	0
14	A3	829	CLA	4	0
14	L6	206	CLA	11	0
14	B2	834	CLA	2	0
14	A2	1642	CLA	2	0
14	A6	1611	CLA	4	0
14	L3	202	CLA	4	0
16	B2	850	BCR	2	0
14	A5	822	CLA	3	0
16	B1	845	BCR	7	0
14	B6	837	CLA	11	0
19	B2	848	LMG	6	0
14	B3	1834	CLA	4	0
14	A3	840	CLA	2	0
14	A2	1635	CLA	1	0
14	L6	203	CLA	11	0
16	B2	843	BCR	3	0
16	A4	846	BCR	1	0
16	A5	848	BCR	2	0
14	A5	819	CLA	5	0
16	F4	204	BCR	5	0
14	B1	814	CLA	14	0
14	B5	1824	CLA	1	0
14	B6	813	CLA	8	0
14	J6	1101	CLA	4	0
16	A3	847	BCR	3	0
16	A2	1647	BCR	2	0
14	B2	829	CLA	5	0
14	A2	1633	CLA	8	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B4	822	CLA	2	0
16	J1	103	BCR	3	0
14	A2	1624	CLA	3	0
16	F4	203	BCR	1	0
14	A5	843	CLA	7	0
14	A6	1617	CLA	3	0
18	C1	101	SF4	5	0
14	A2	1612	CLA	2	0
14	A6	1613	CLA	4	0
14	A6	1635	CLA	2	0
14	B3	1837	CLA	7	0
14	B3	1805	CLA	9	0
14	A6	1602	CLA	13	0
14	B3	1815	CLA	12	0
14	B6	808	CLA	4	0
15	B3	1844	PQN	3	0
17	A5	851	LHG	1	0
14	B1	802	CLA	16	0
14	A6	1632	CLA	1	0
17	A1	848	LHG	3	0
14	B6	815	CLA	2	0
14	A4	820	CLA	9	0
14	B1	816	CLA	3	0
14	A1	813	CLA	5	0
16	B1	844	BCR	3	0
14	L1	206	CLA	5	0
14	A2	1616	CLA	5	0
14	B1	804	CLA	27	0
14	A3	838	CLA	4	0
18	C3	101	SF4	8	0
14	B3	1804	CLA	12	0
16	A2	1649	BCR	1	0
14	I1	101	CLA	3	0
14	A2	1605	CLA	1	0
14	A6	1638	CLA	4	0
18	B6	801	SF4	7	0
14	A2	1640	CLA	2	0
14	B6	805	CLA	4	0
17	A2	1654	LHG	3	0
15	A3	846	PQN	2	0
14	B2	840	CLA	1	0
16	L6	201	BCR	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	B1	847	BCR	6	0
14	L6	207	CLA	8	0
14	B5	1840	CLA	2	0
14	B5	1803	CLA	23	0
14	B4	830	CLA	8	0
14	A3	828	CLA	11	0
14	B6	822	CLA	6	0
14	A3	824	CLA	1	0
14	A2	1614	CLA	1	0
14	B2	838	CLA	7	0
14	L3	204	CLA	7	0
14	A6	1621	CLA	9	0
14	L6	202	CLA	6	0
14	B1	819	CLA	12	0
14	B4	816	CLA	17	0
16	A4	848	BCR	3	0
14	A1	839	CLA	8	0
14	A5	809	CLA	3	0
14	A4	804	CLA	8	0
14	A2	1627	CLA	9	0
14	B4	831	CLA	7	0
14	A4	827	CLA	11	0
16	A6	1646	BCR	3	0
14	B1	829	CLA	14	0
16	B4	849	BCR	2	0
14	B4	839	CLA	7	0
14	A3	826	CLA	4	0
14	B4	840	CLA	2	0
14	K2	1401	CLA	3	0
14	B3	1841	CLA	5	0
14	B5	1808	CLA	5	0
14	A6	1640	CLA	8	0
14	A5	841	CLA	3	0
15	B5	1844	PQN	2	0
14	A1	836	CLA	4	0
14	A3	802	CLA	5	0
14	B2	828	CLA	6	0
14	A4	829	CLA	9	0
14	A6	1614	CLA	5	0
16	J4	103	BCR	4	0
14	B1	838	CLA	13	0
14	A4	818	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B3	1818	CLA	6	0
16	M3	1602	BCR	9	0
14	B6	828	CLA	11	0
18	A1	850	SF4	6	0
14	B4	803	CLA	10	0
14	A6	1637	CLA	4	0
14	L5	203	CLA	11	0
14	B4	812	CLA	12	0
14	B1	833	CLA	7	0
14	A5	827	CLA	5	0
14	B5	1810	CLA	4	0
14	A4	832	CLA	1	0
14	A4	803	CLA	4	0
17	A4	850	LHG	4	0
14	B4	827	CLA	3	0
14	A2	1618	CLA	3	0
16	B1	852	BCR	5	0
14	L2	206	CLA	7	0
14	B5	1809	CLA	3	0
18	C4	101	SF4	4	0
14	B5	1843	CLA	6	0
14	A1	821	CLA	3	0
14	A3	801	CLA	10	0
14	J3	101	CLA	6	0
15	B2	841	PQN	1	0
14	A1	803	CLA	4	0
14	B3	1817	CLA	9	0
14	B1	854	CLA	21	0
16	J5	103	BCR	5	0
14	A1	822	CLA	2	0
16	I1	102	BCR	3	0
14	A3	819	CLA	8	0
14	B2	816	CLA	14	0
14	J1	101	CLA	7	0
14	A2	1644	CLA	9	0
14	A4	826	CLA	3	0
14	J5	102	CLA	3	0
14	A3	844	CLA	2	0
14	B3	1808	CLA	7	0
14	B3	1819	CLA	8	0
15	B4	844	PQN	7	0
14	B4	801	CLA	5	0

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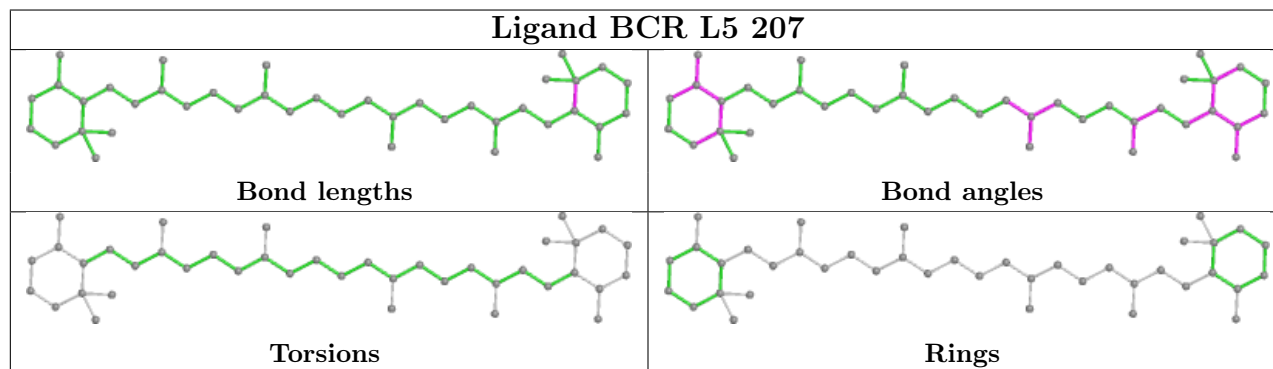
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14	B6	817	CLA	9	0
14	A6	1624	CLA	1	0
18	C1	102	SF4	7	0
14	B1	827	CLA	8	0
14	A1	814	CLA	3	0
14	A3	806	CLA	4	0
14	B6	810	CLA	11	0
14	B1	806	CLA	11	0
14	A5	813	CLA	2	0
14	B1	809	CLA	8	0
14	A6	1628	CLA	11	0
14	A4	830	CLA	4	0
14	B1	839	CLA	5	0
14	B6	811	CLA	3	0
14	A6	1618	CLA	4	0
14	A3	835	CLA	3	0
16	A1	846	BCR	3	0
14	B3	1820	CLA	10	0
14	B5	1820	CLA	4	0
14	B3	1828	CLA	4	0
14	A3	815	CLA	1	0
14	B6	841	CLA	2	0
14	B3	1829	CLA	5	0
14	B5	1829	CLA	9	0
16	A1	842	BCR	3	0
16	F6	203	BCR	1	0
14	A4	817	CLA	5	0
14	A6	1639	CLA	1	0
14	A2	1615	CLA	7	0
14	B2	824	CLA	7	0
14	A4	853	CLA	8	0
14	A5	839	CLA	2	0
16	A3	851	BCR	3	0
16	L1	209	BCR	9	0
14	A6	1605	CLA	10	0
14	M6	1201	CLA	2	0
14	B1	826	CLA	12	0
17	A5	852	LHG	3	0
14	K3	1401	CLA	1	0
16	B1	848	BCR	5	0
16	A3	852	BCR	14	0

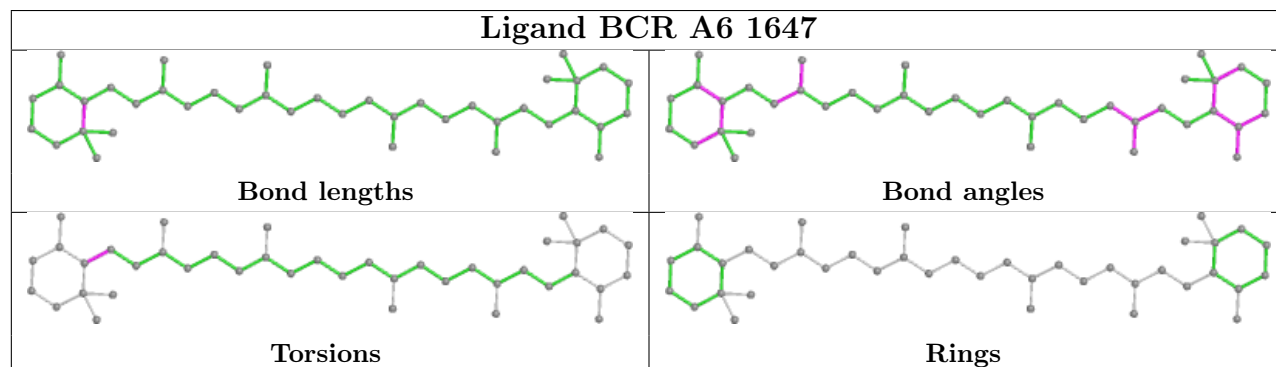
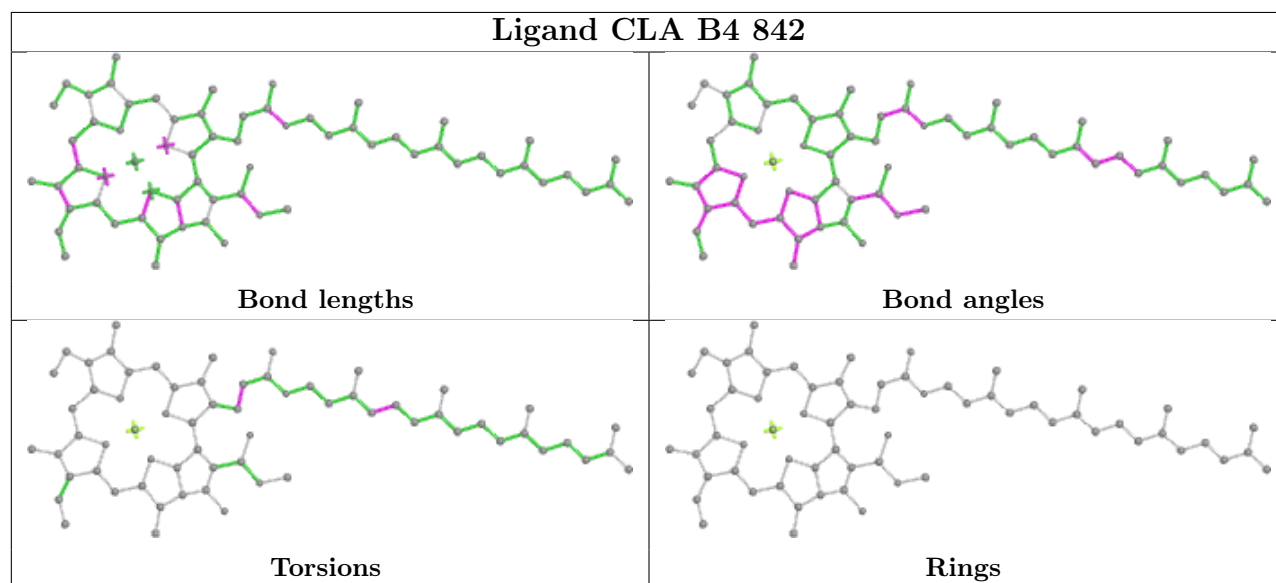
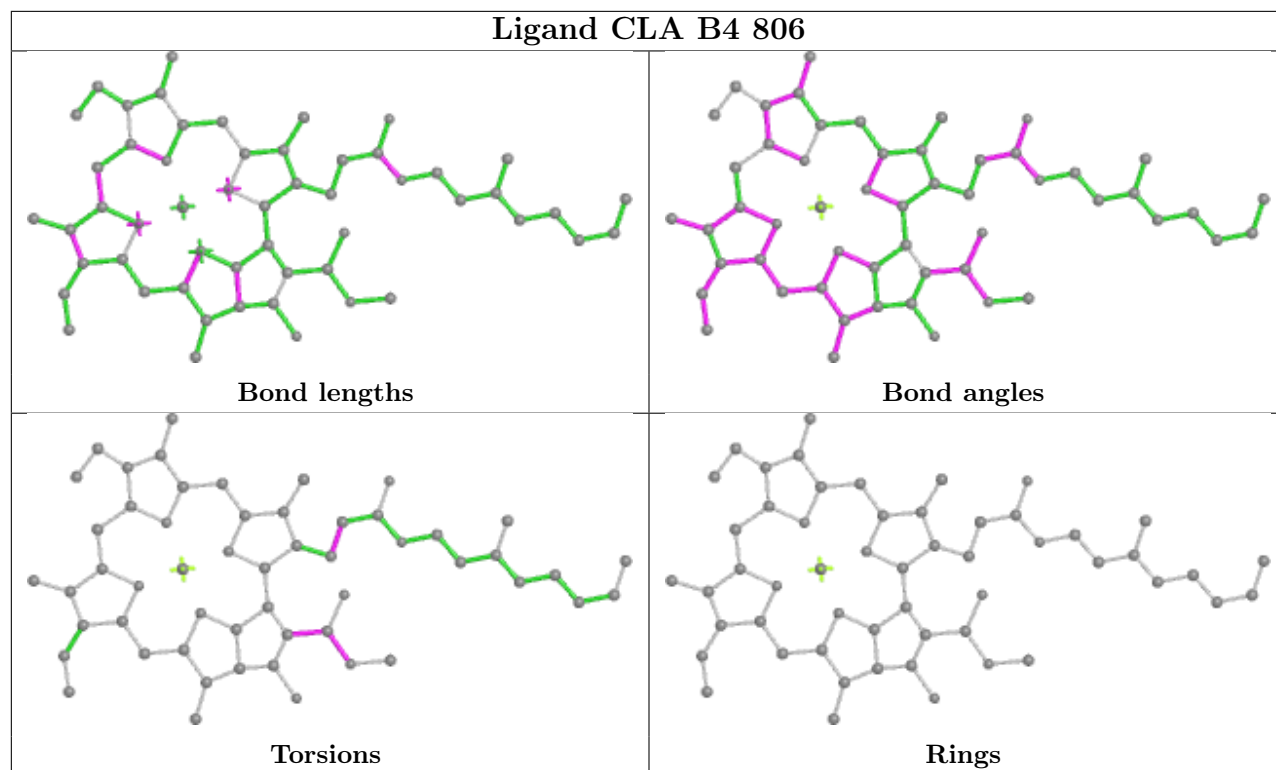
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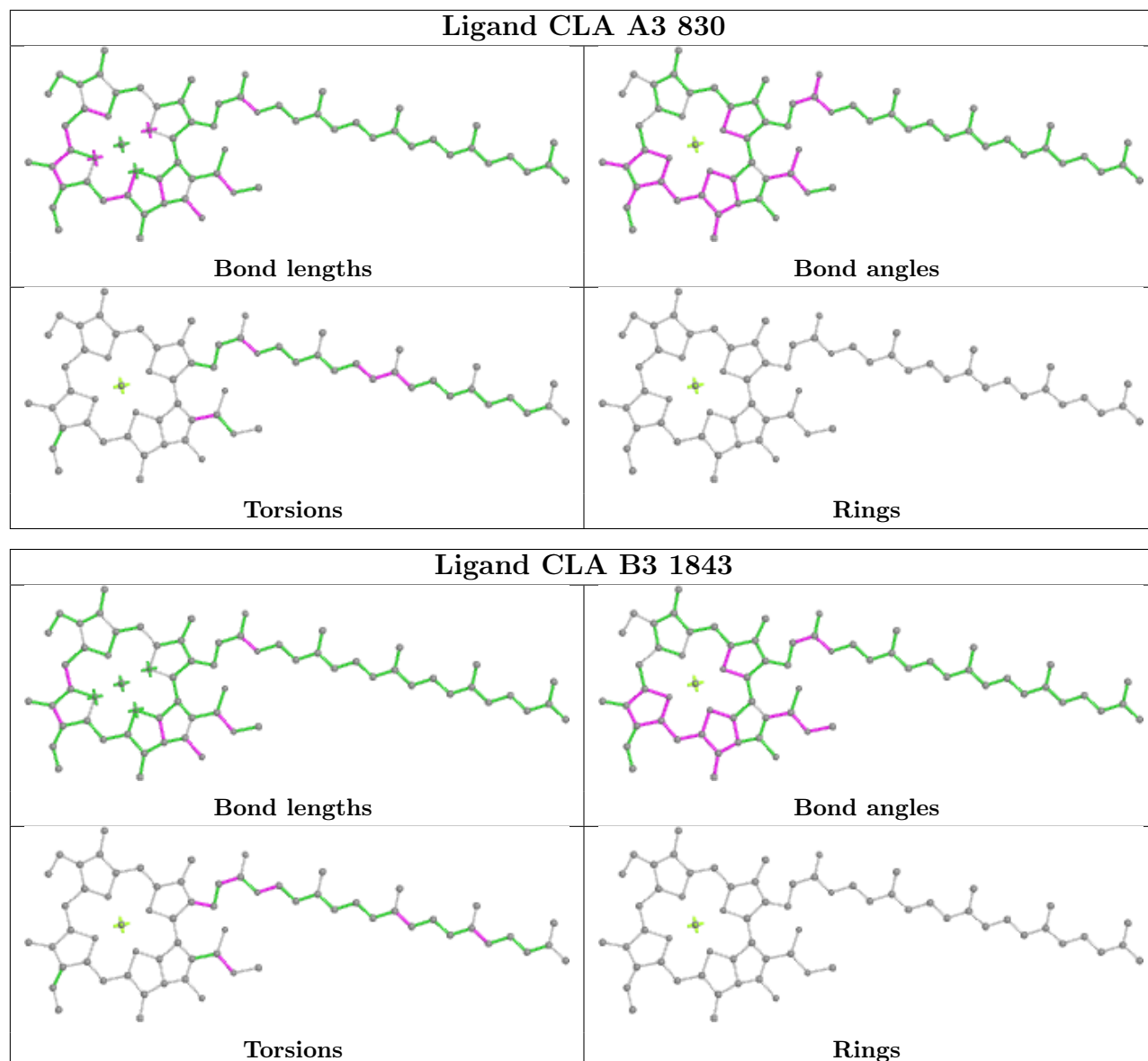
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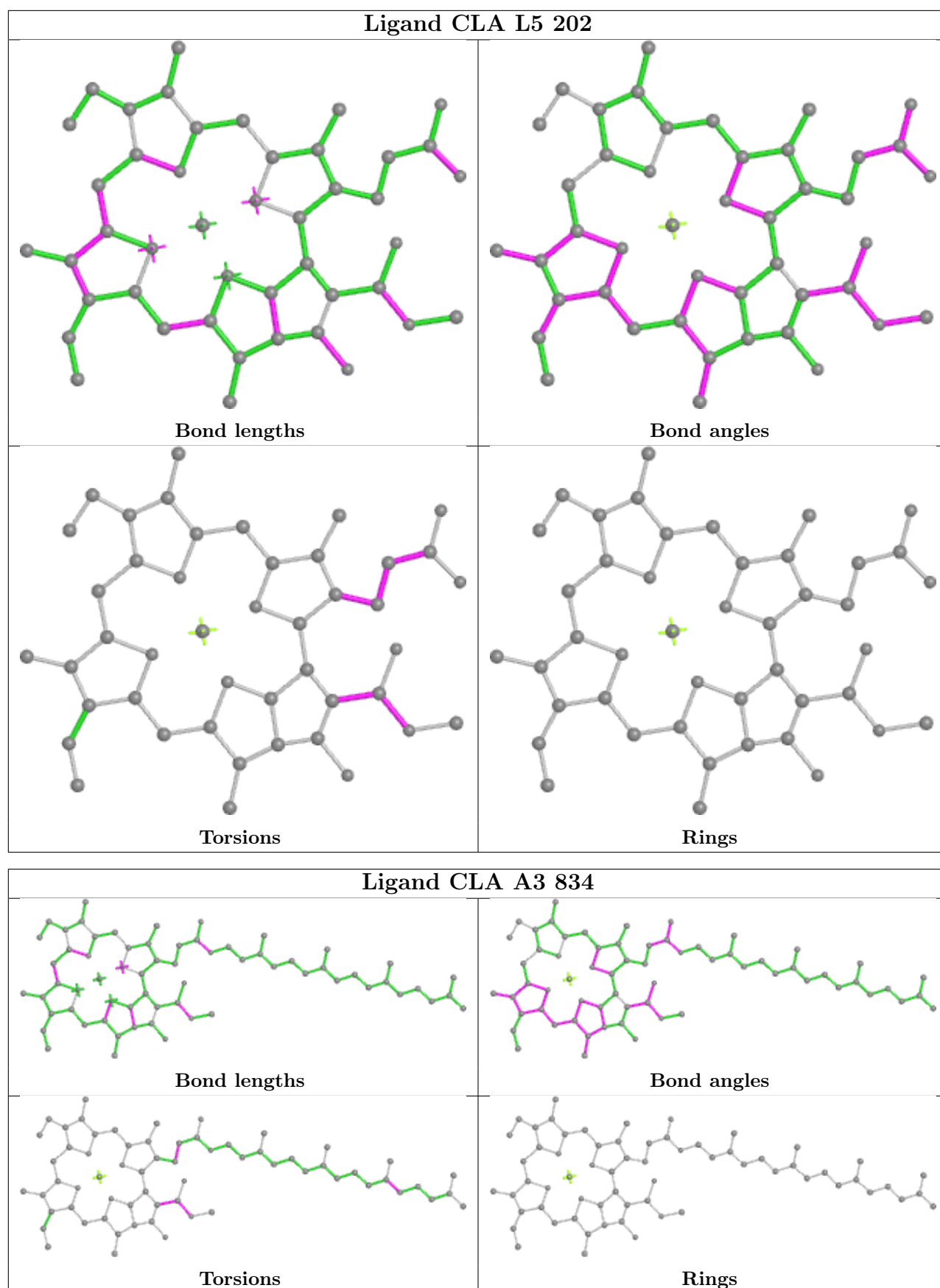
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	J4	101	CLA	8	0
14	A5	832	CLA	2	0
14	B1	836	CLA	7	0
16	B3	1851	BCR	3	0
14	B4	838	CLA	3	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

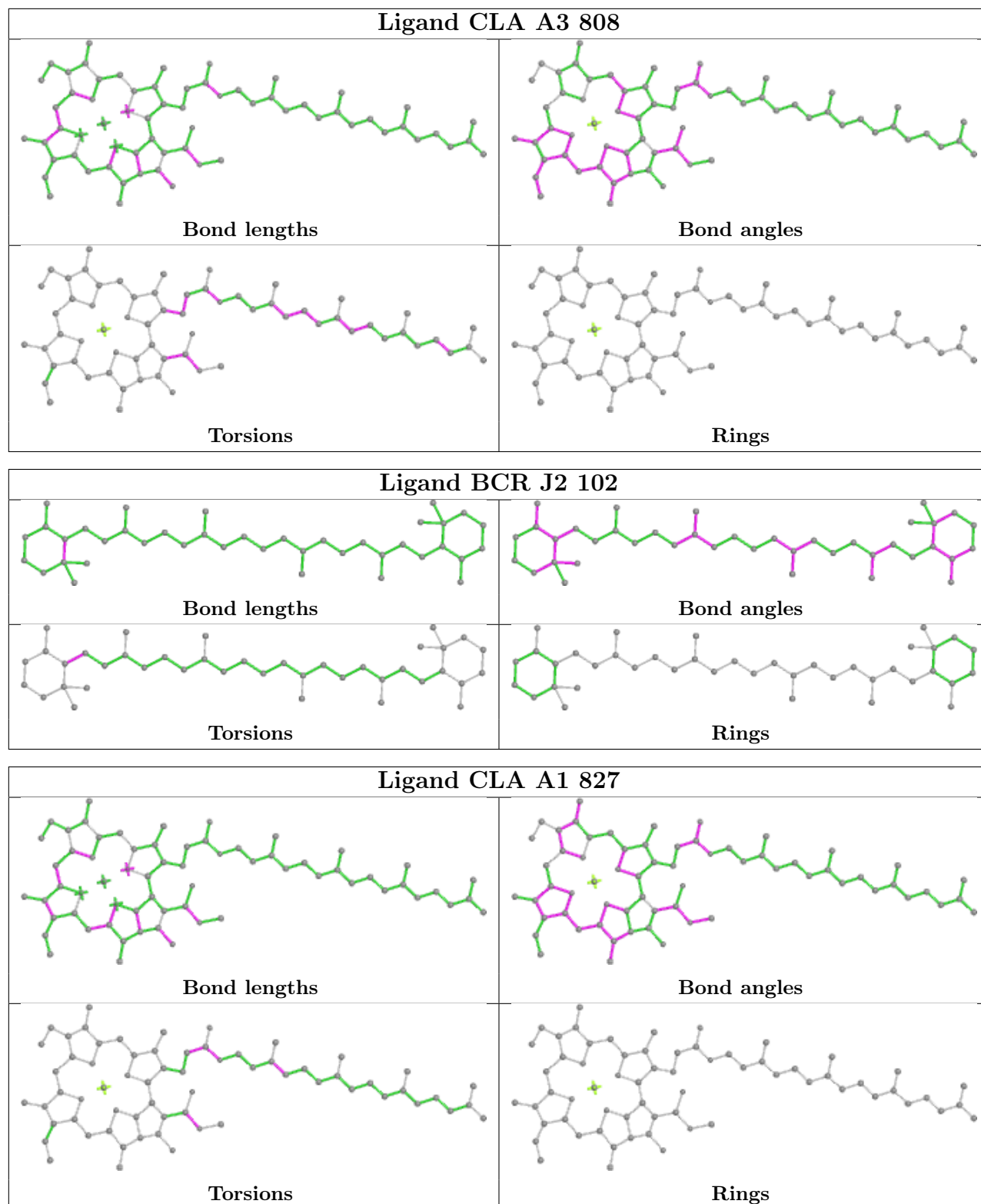


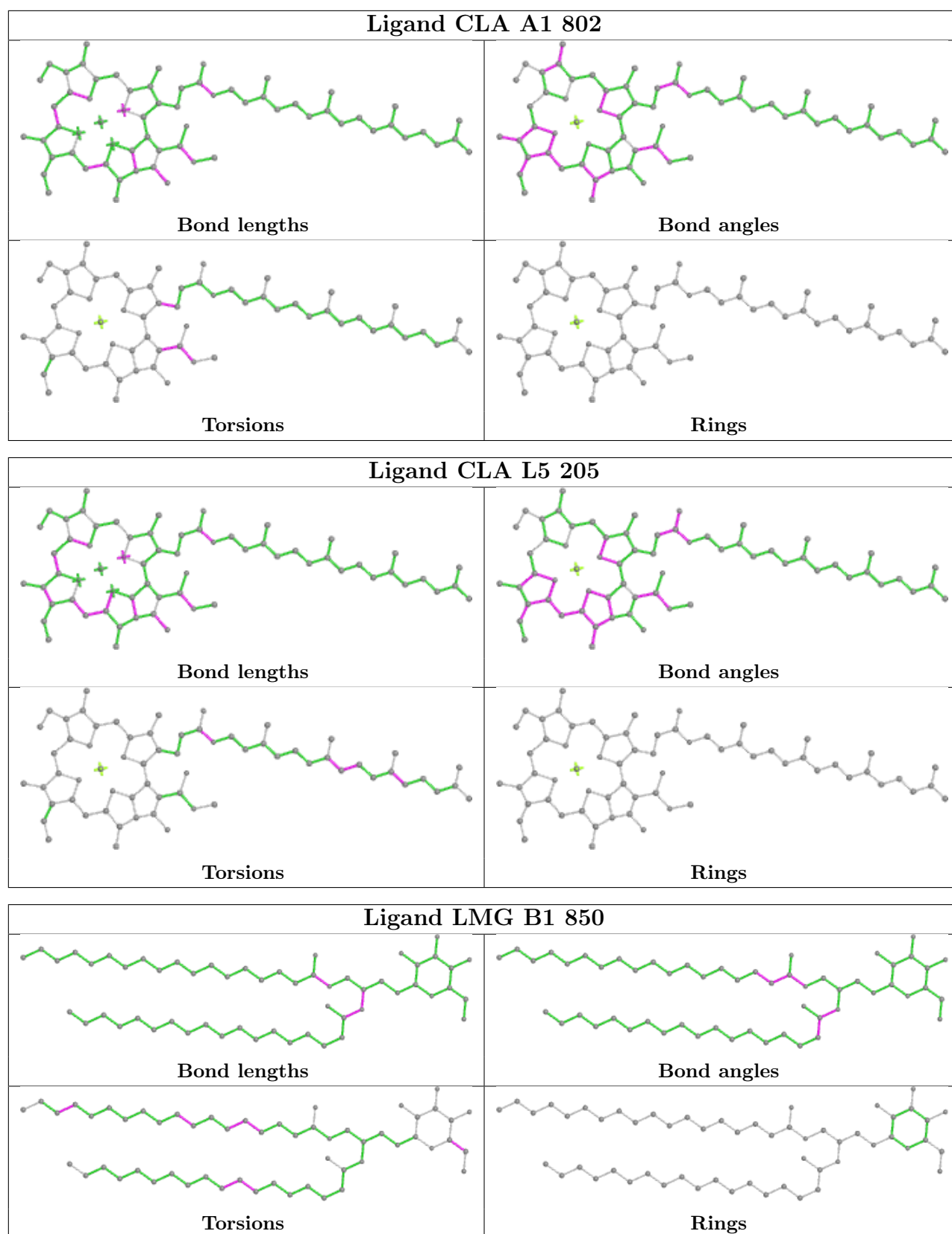


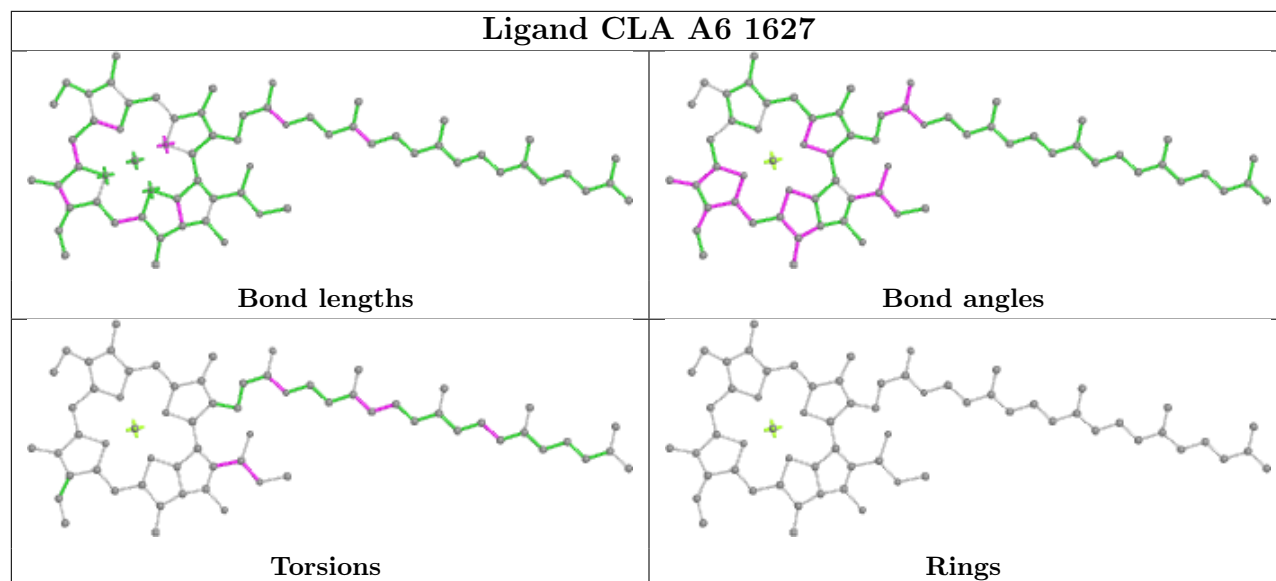
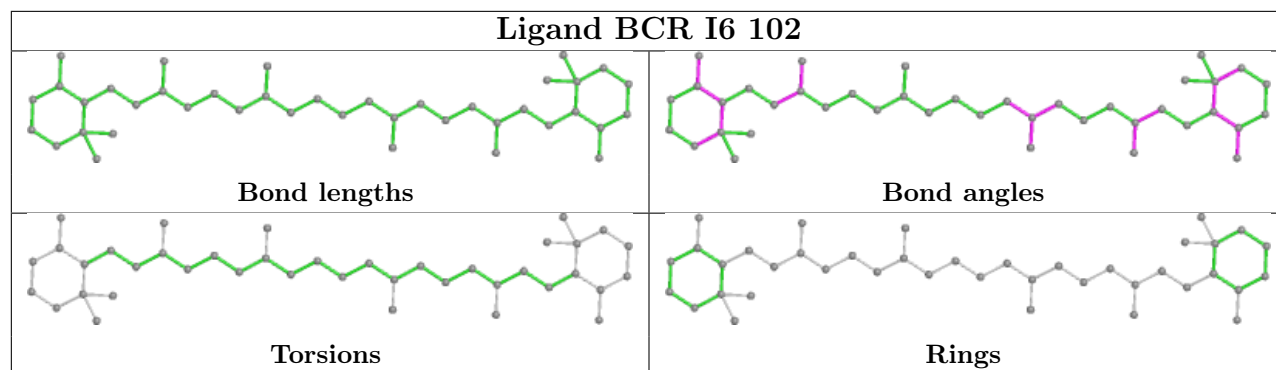




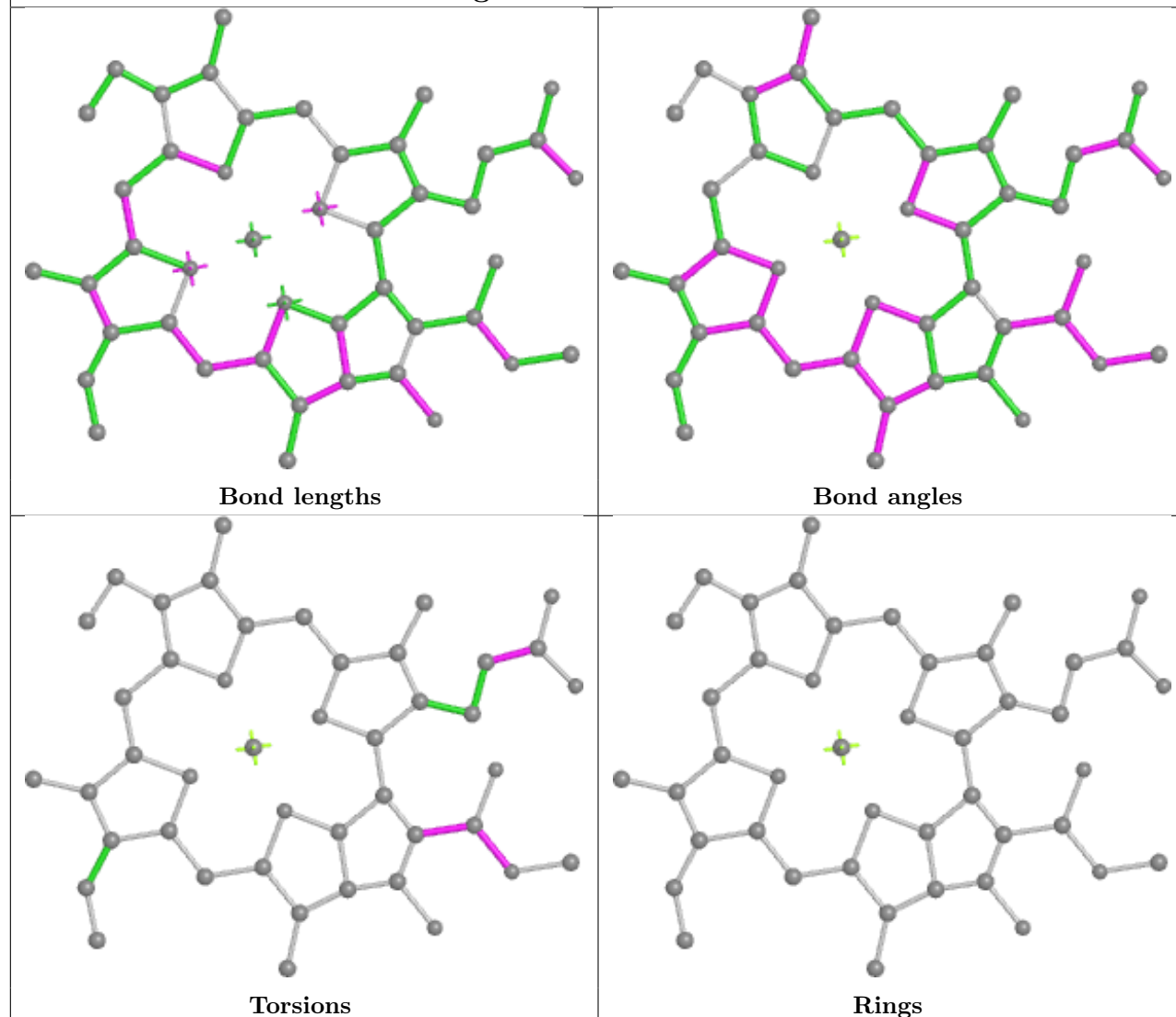




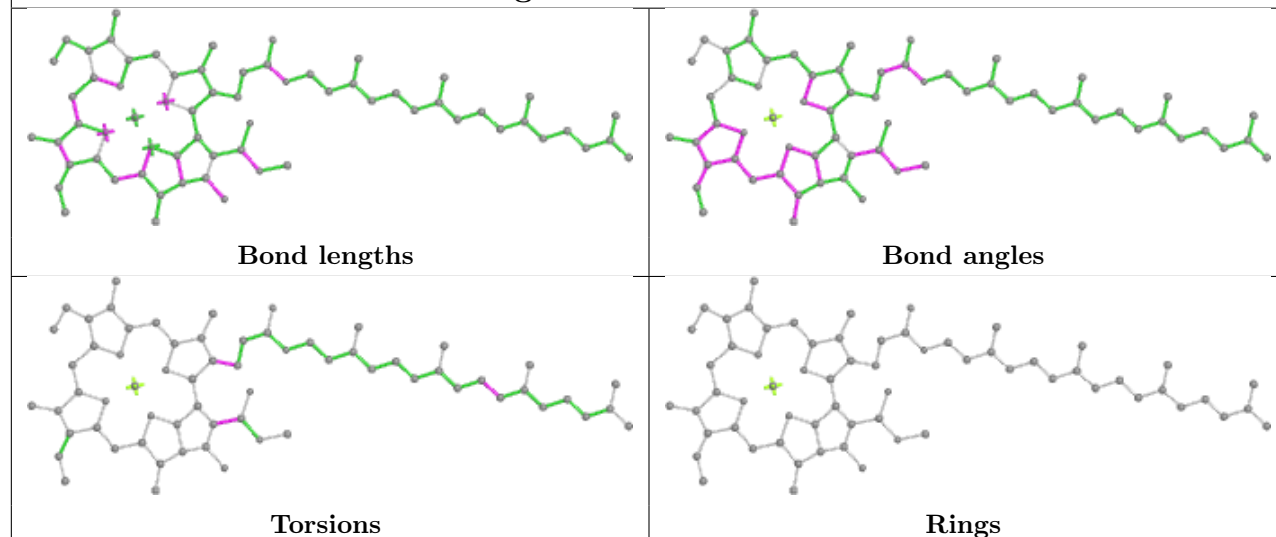


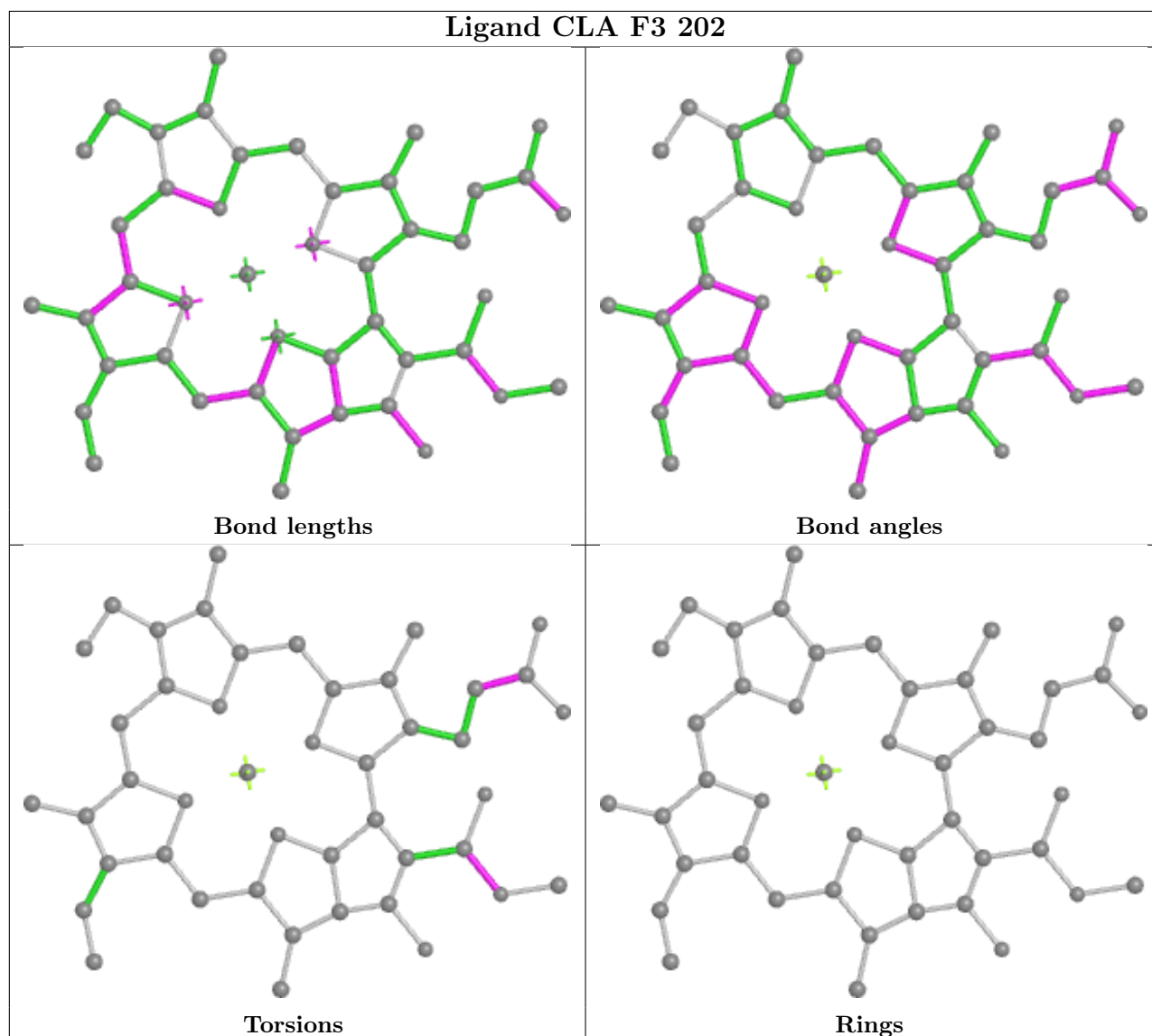
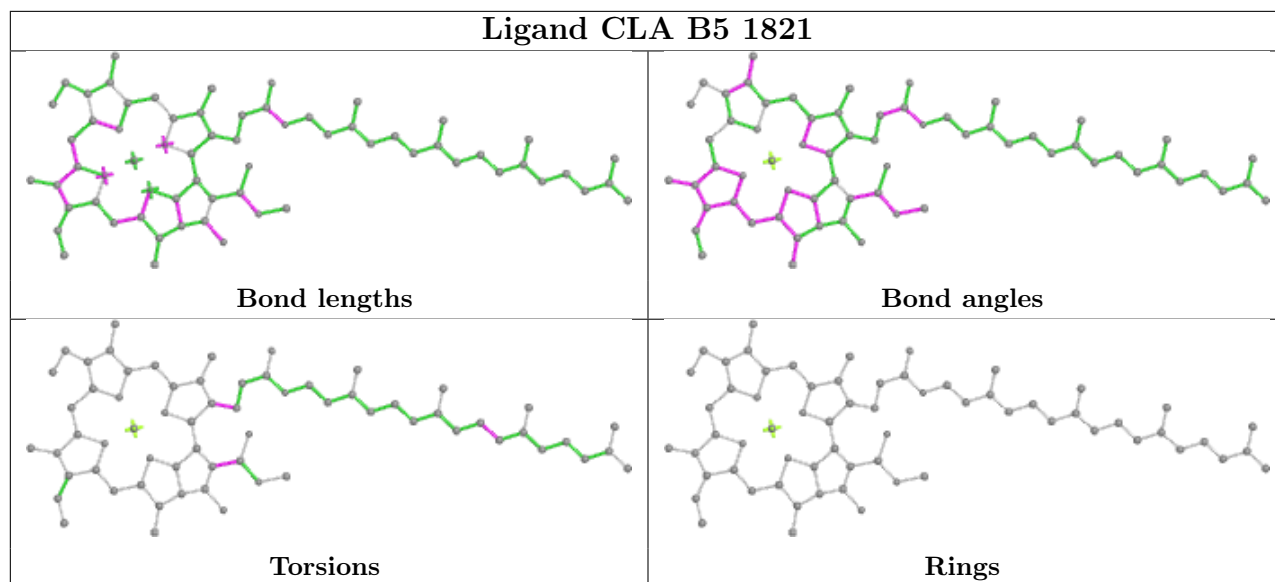


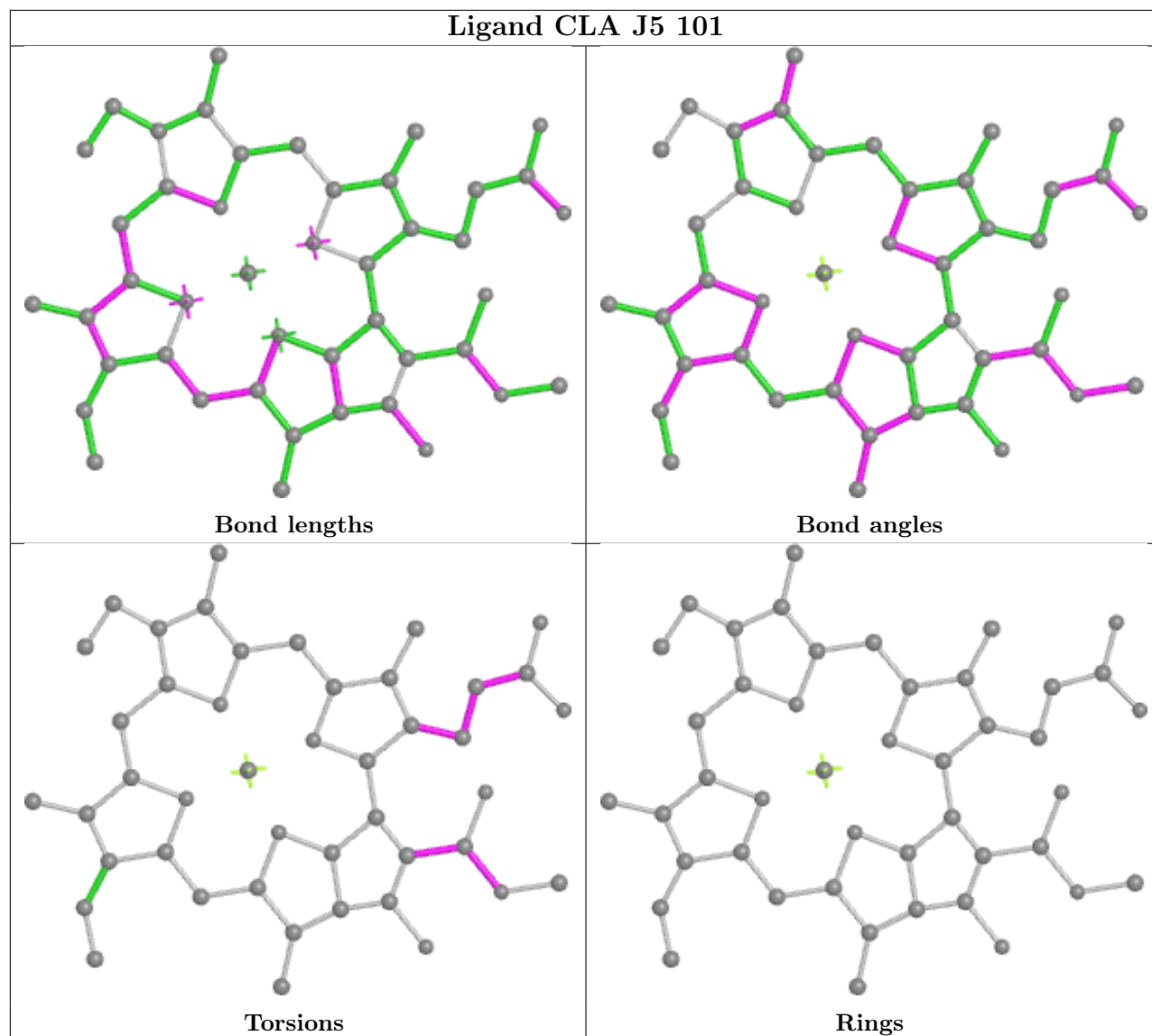
## Ligand CLA A6 1615

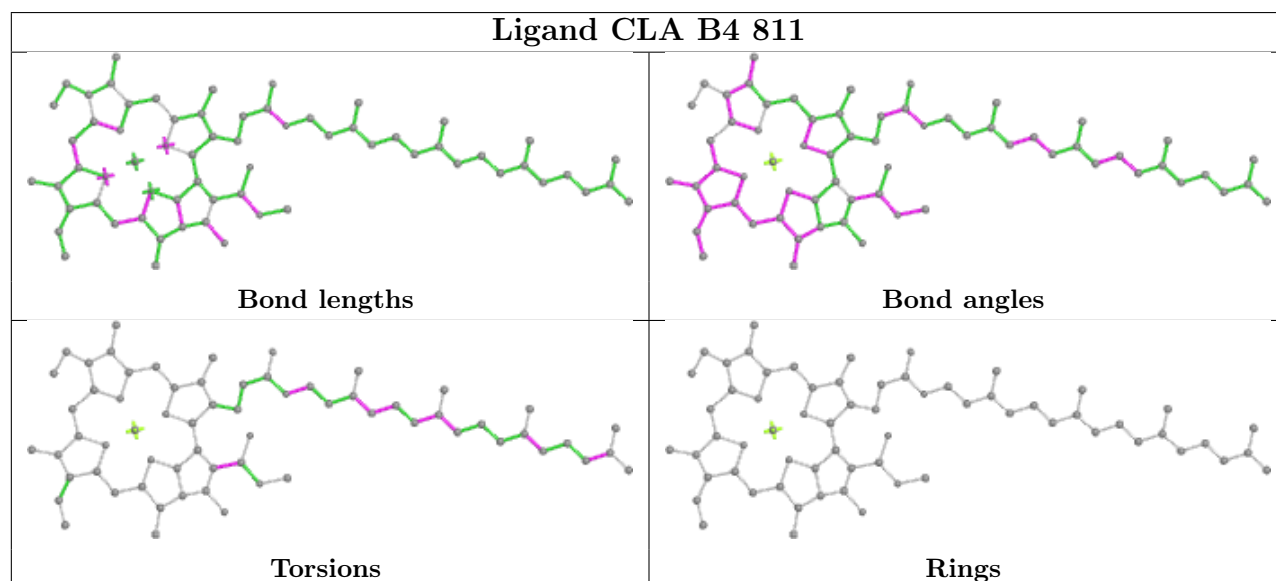
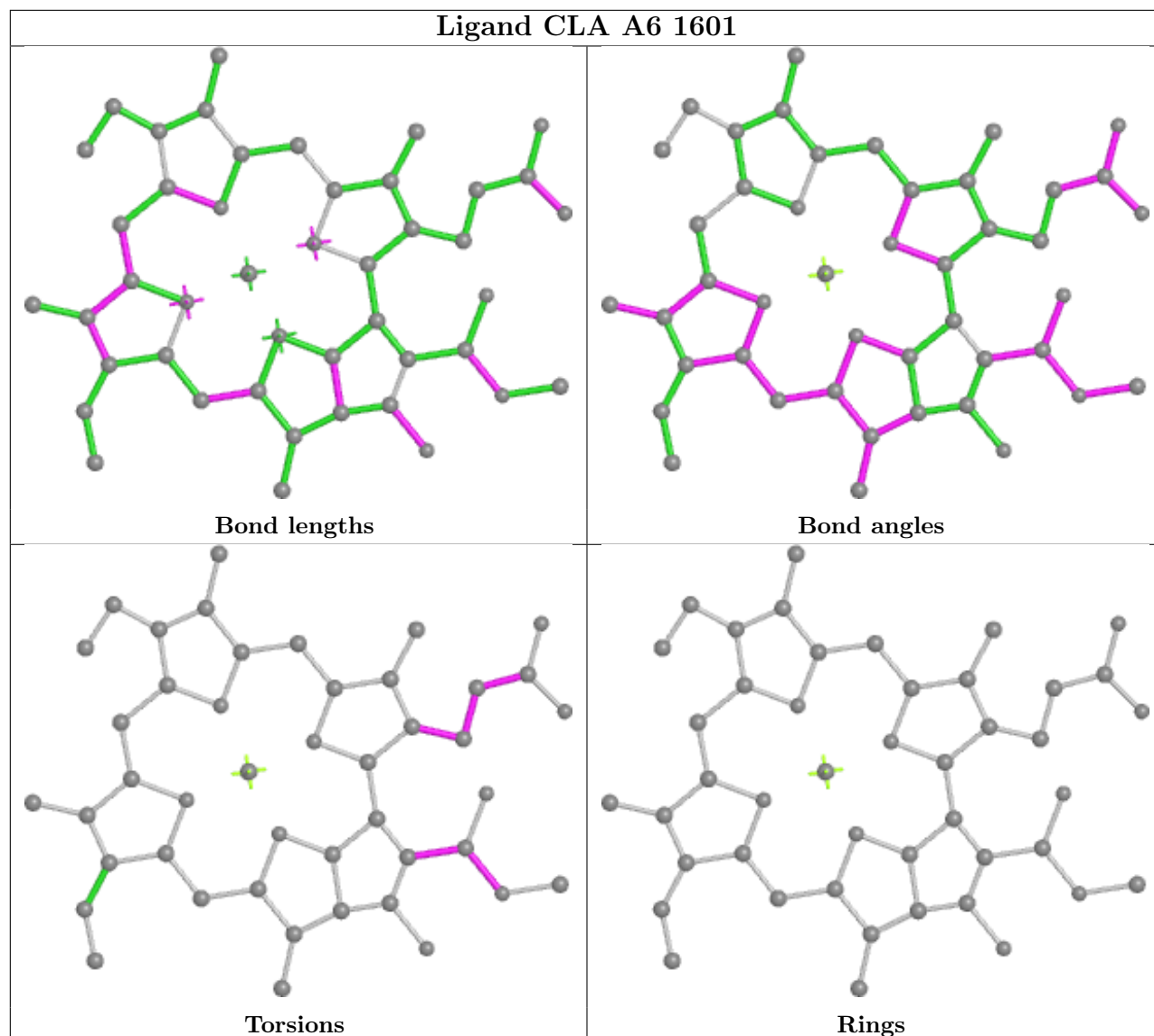


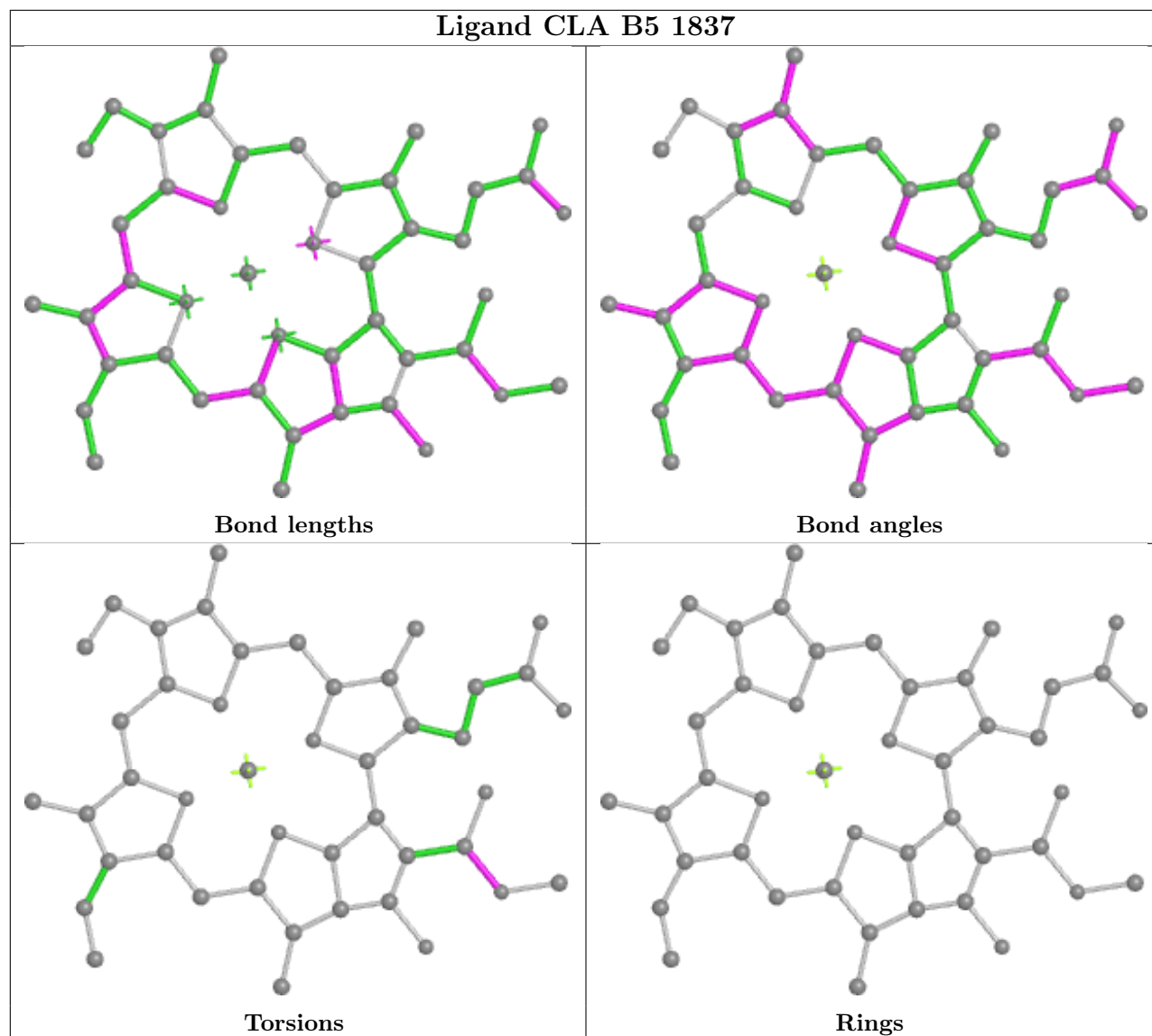
## Ligand CLA B3 1821



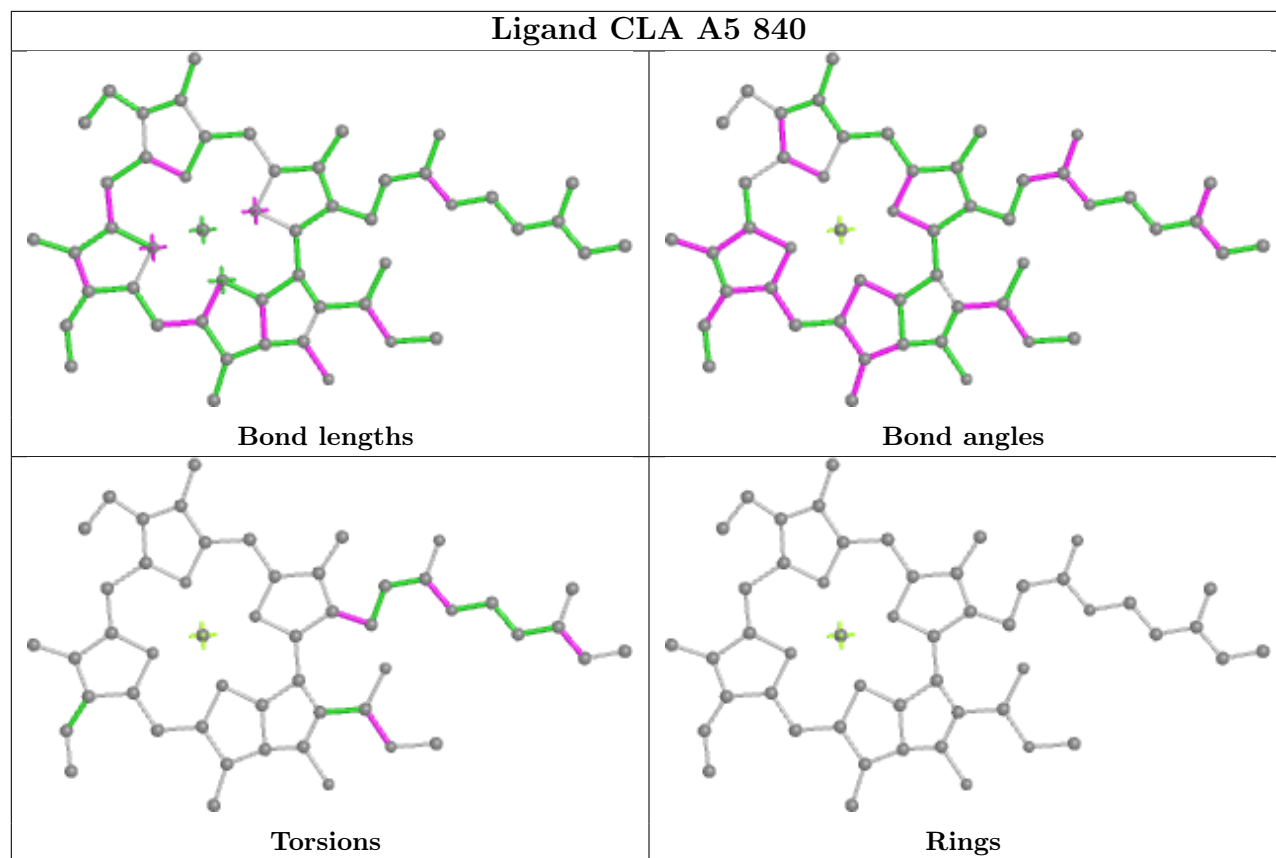


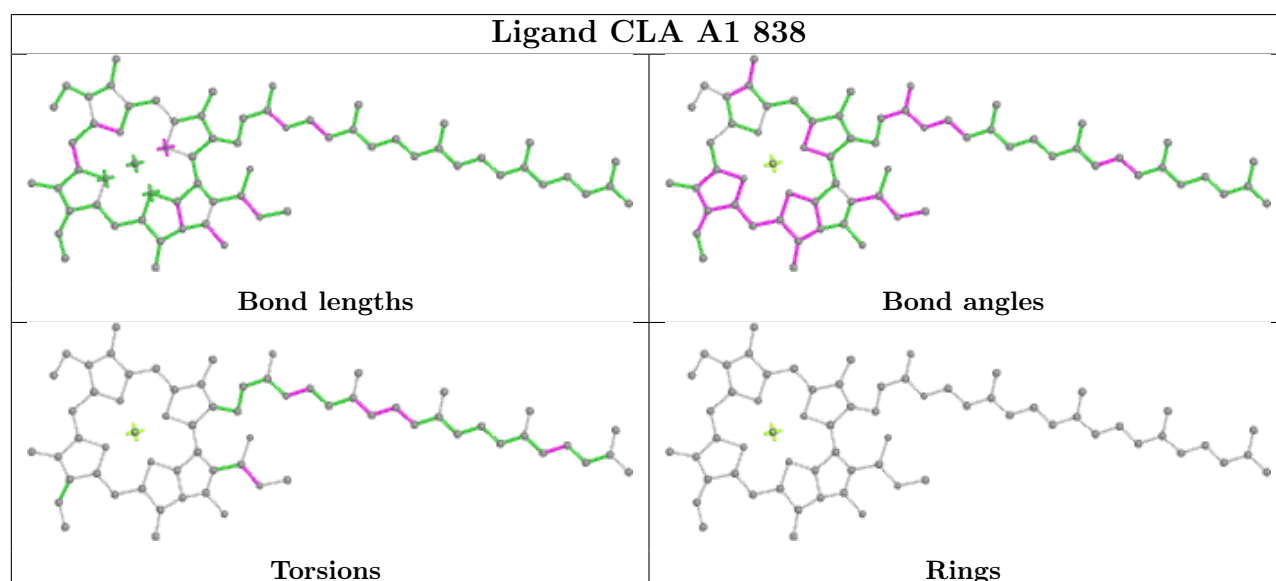
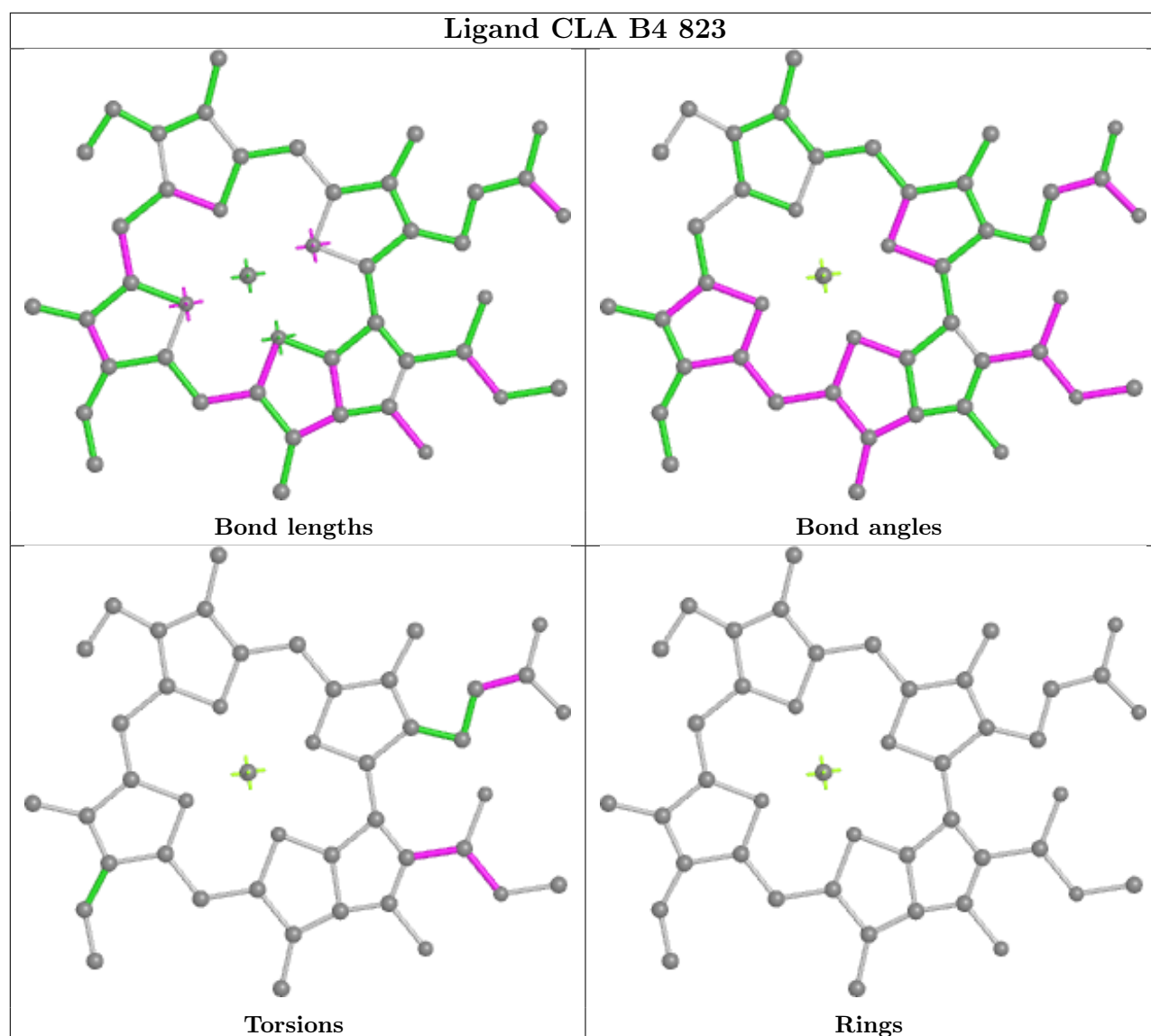


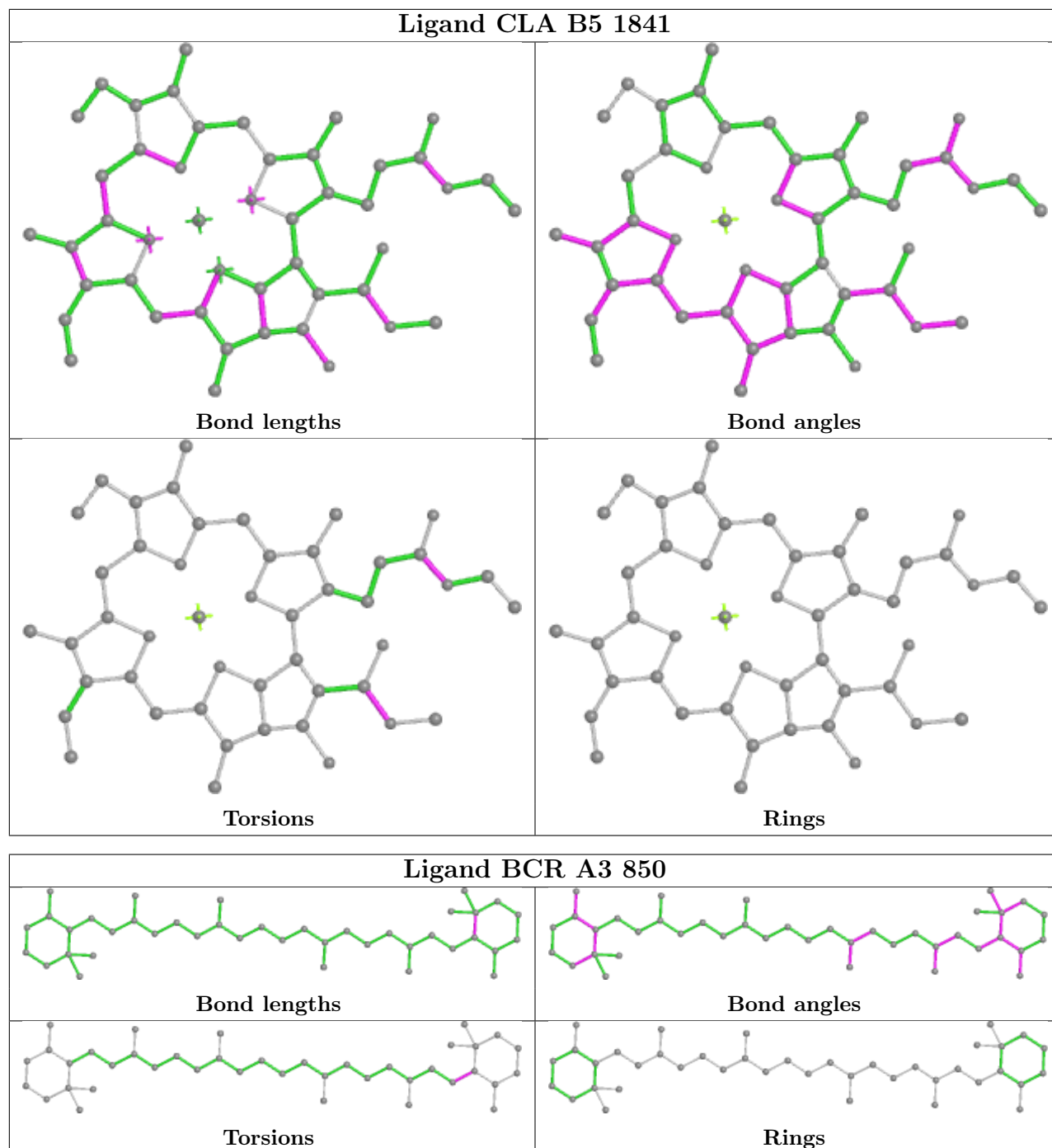


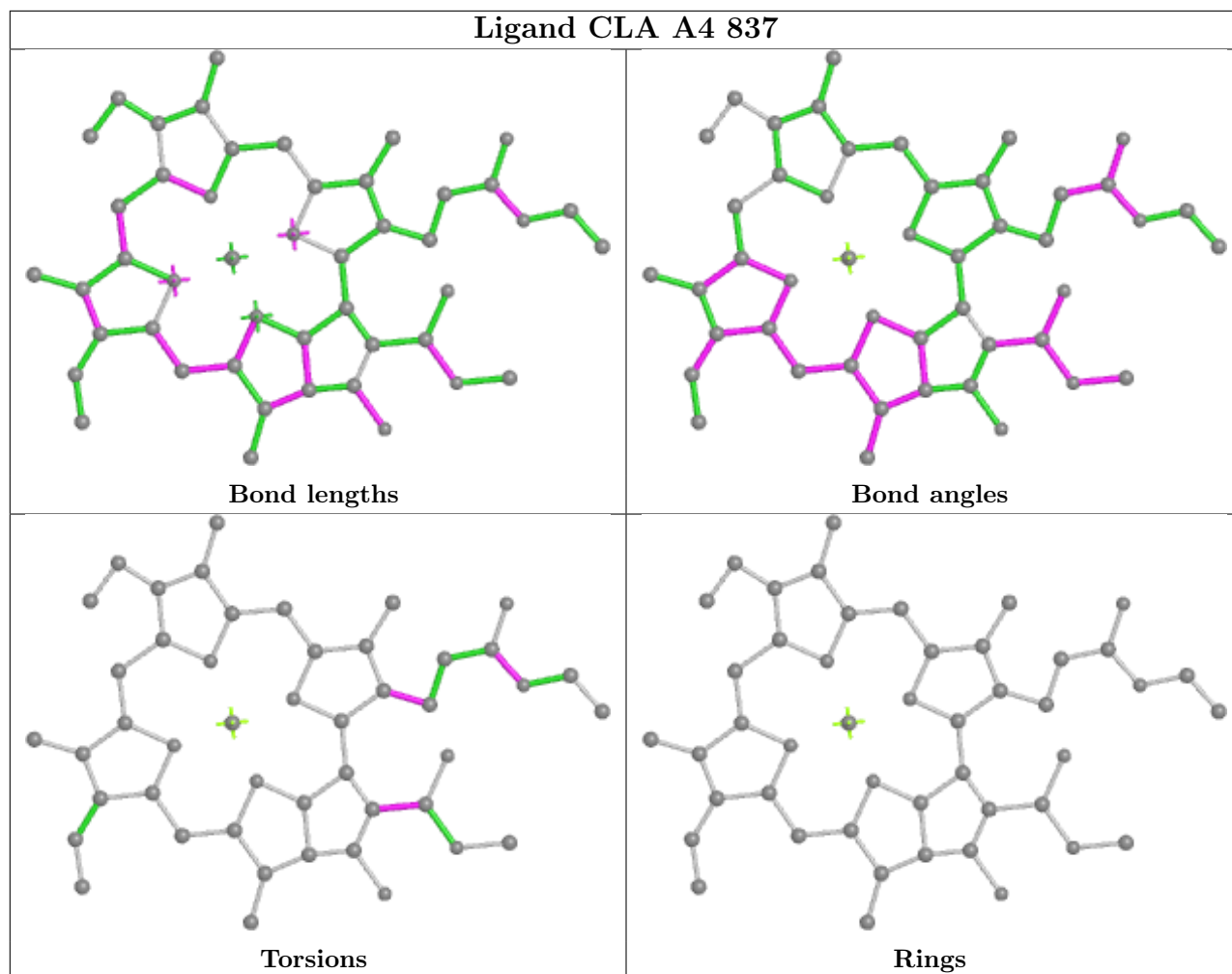


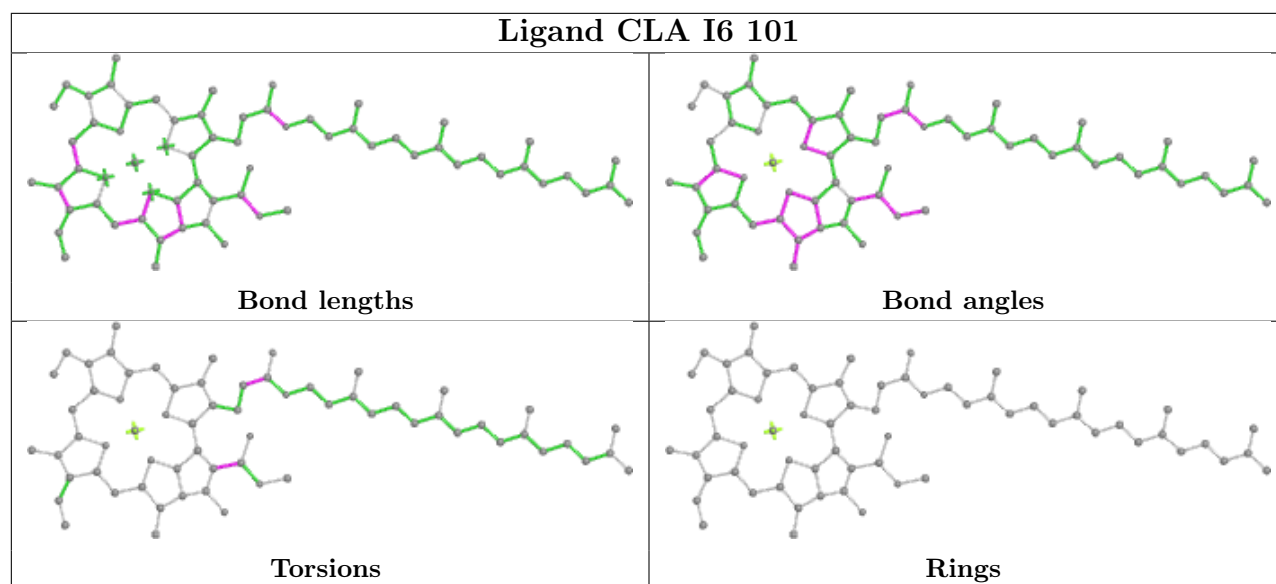
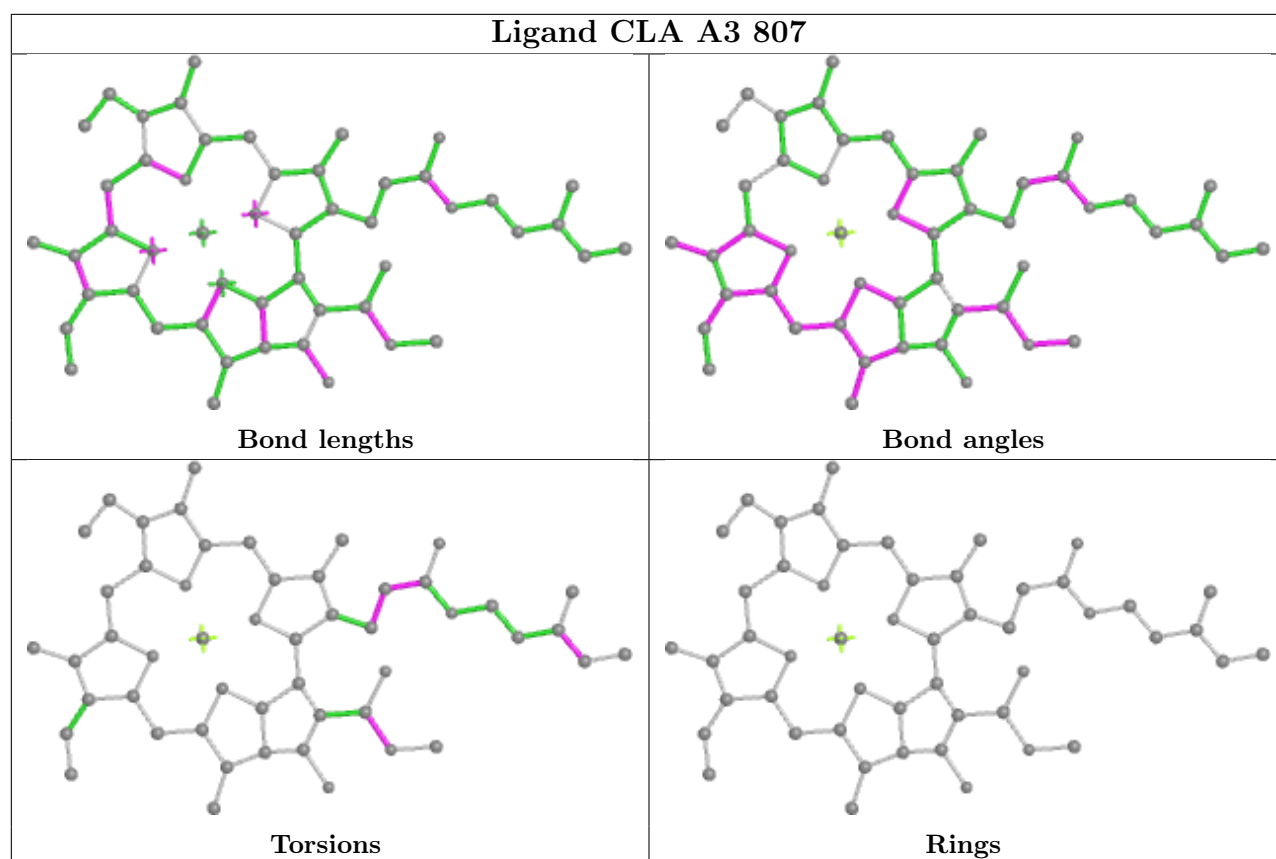


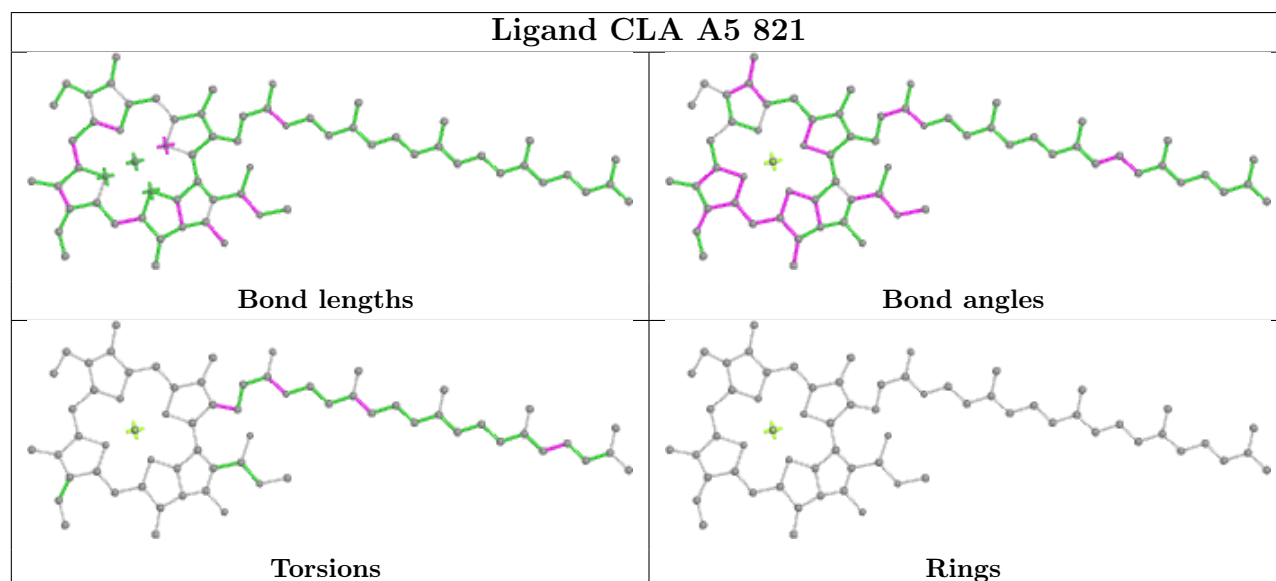
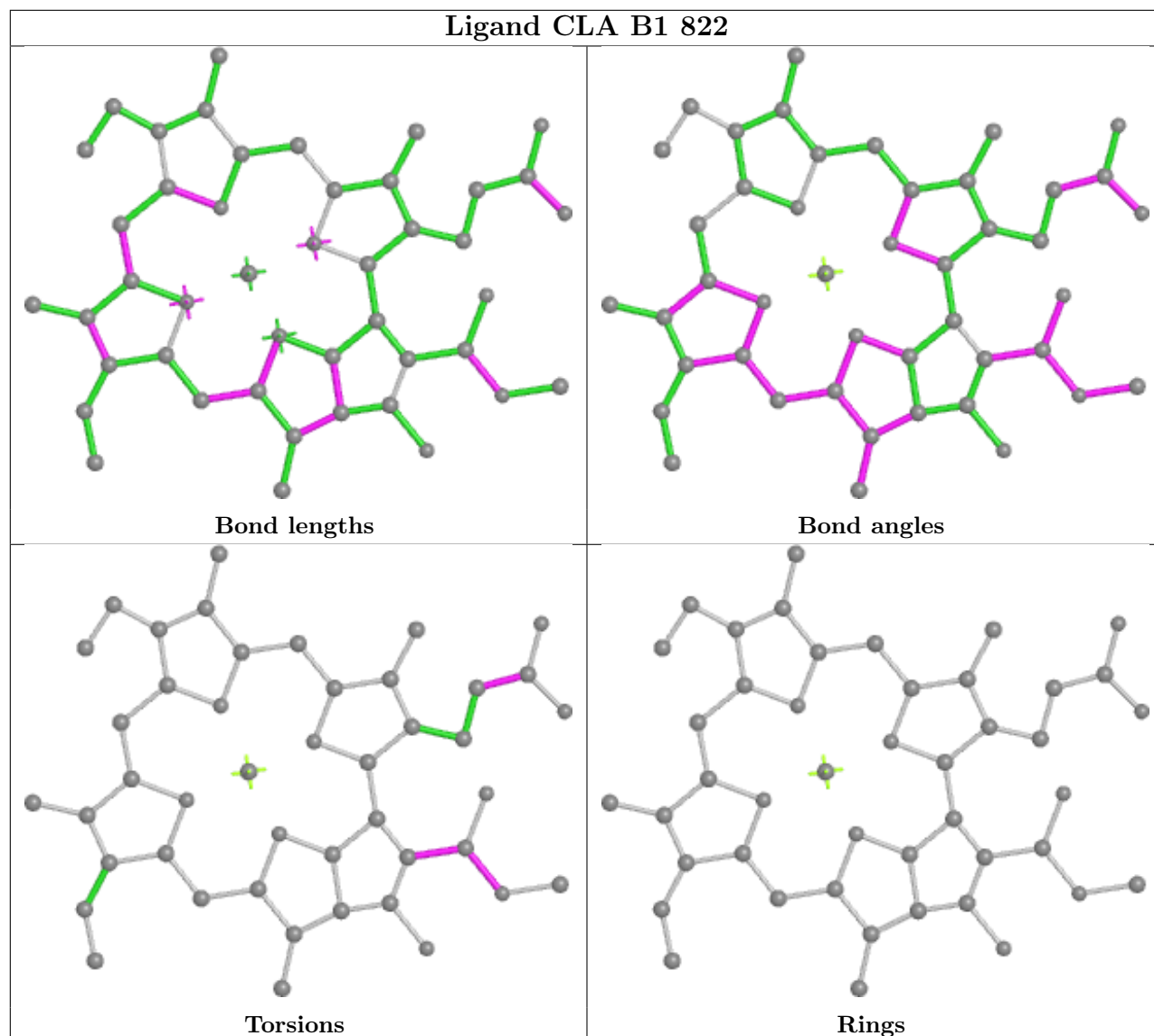


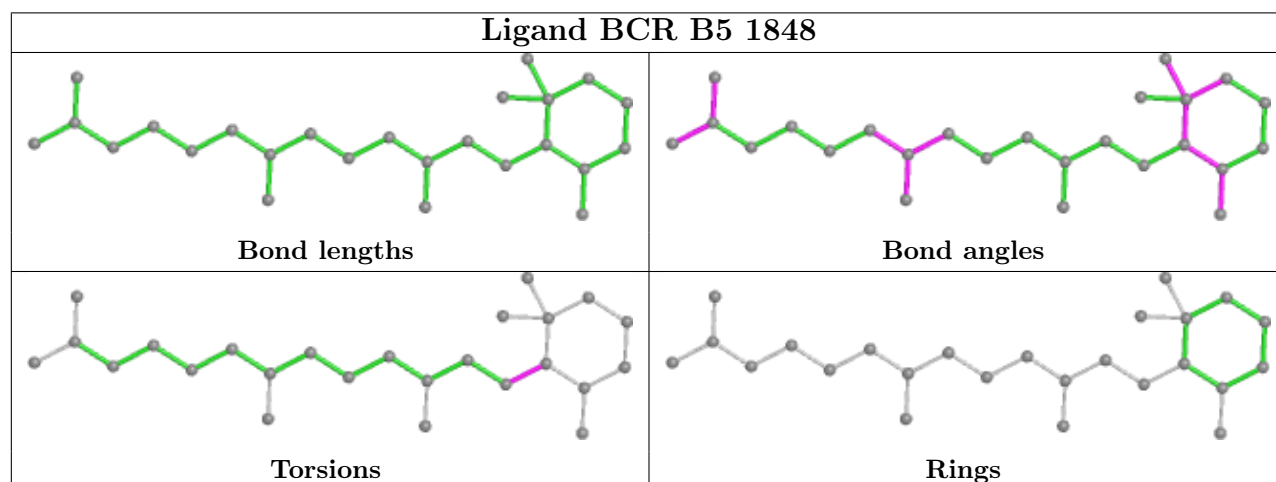
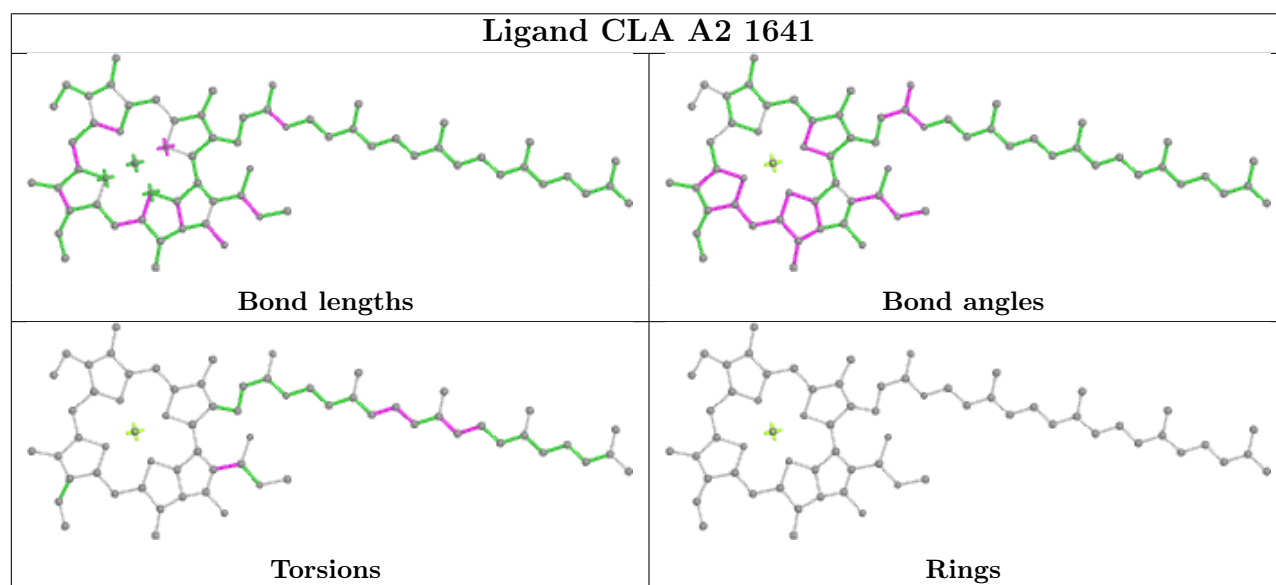
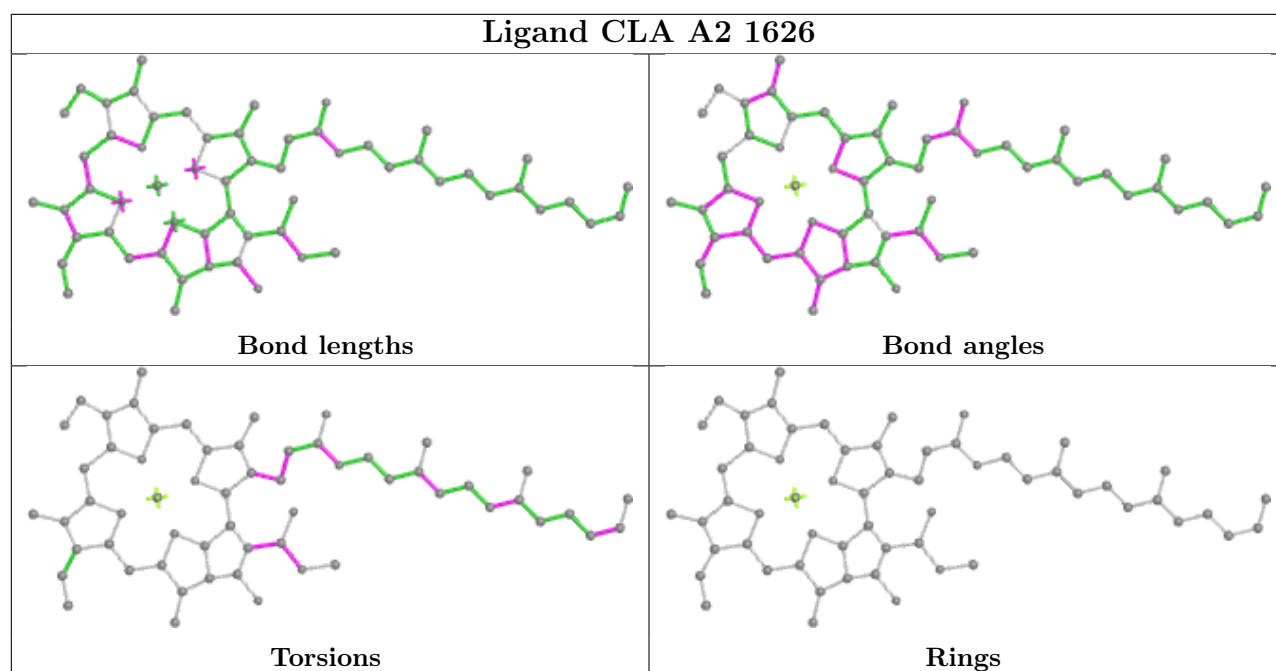


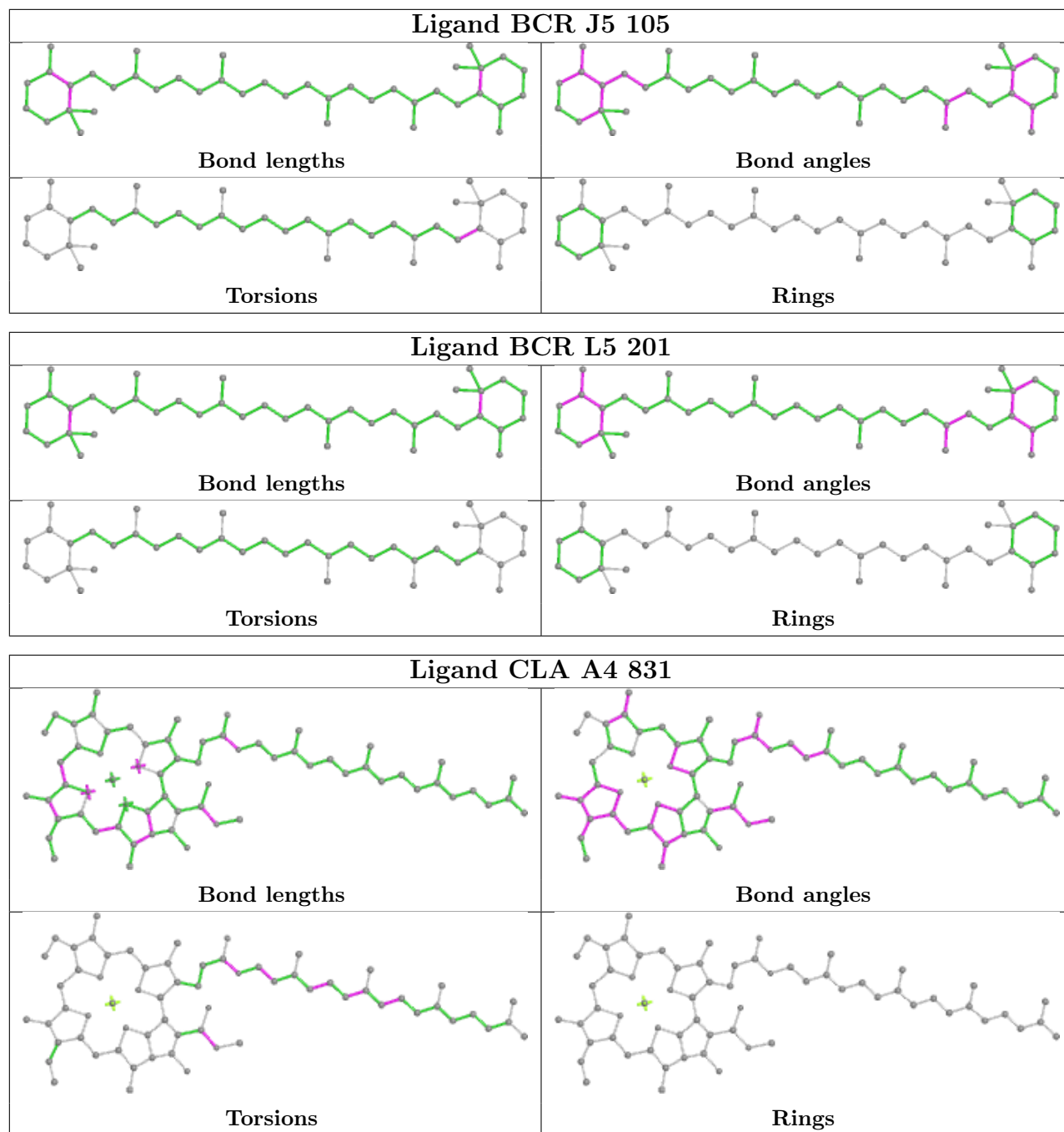




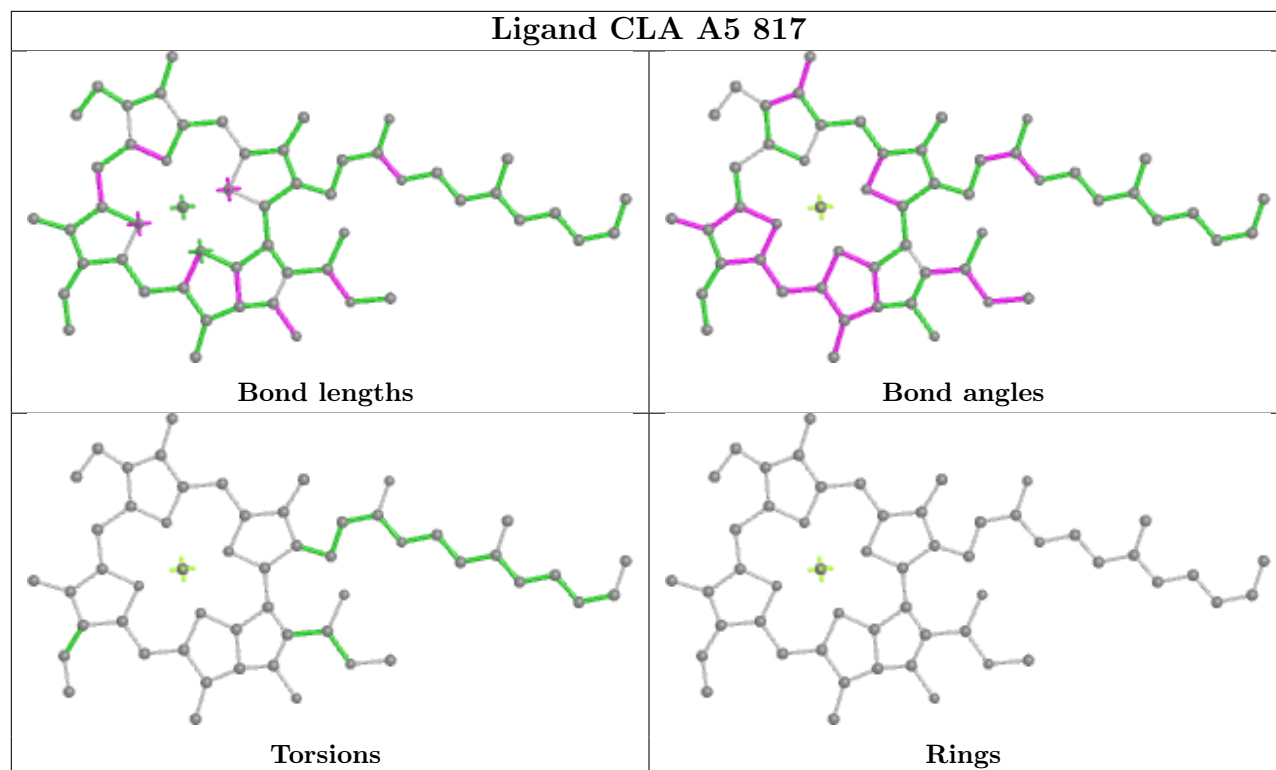


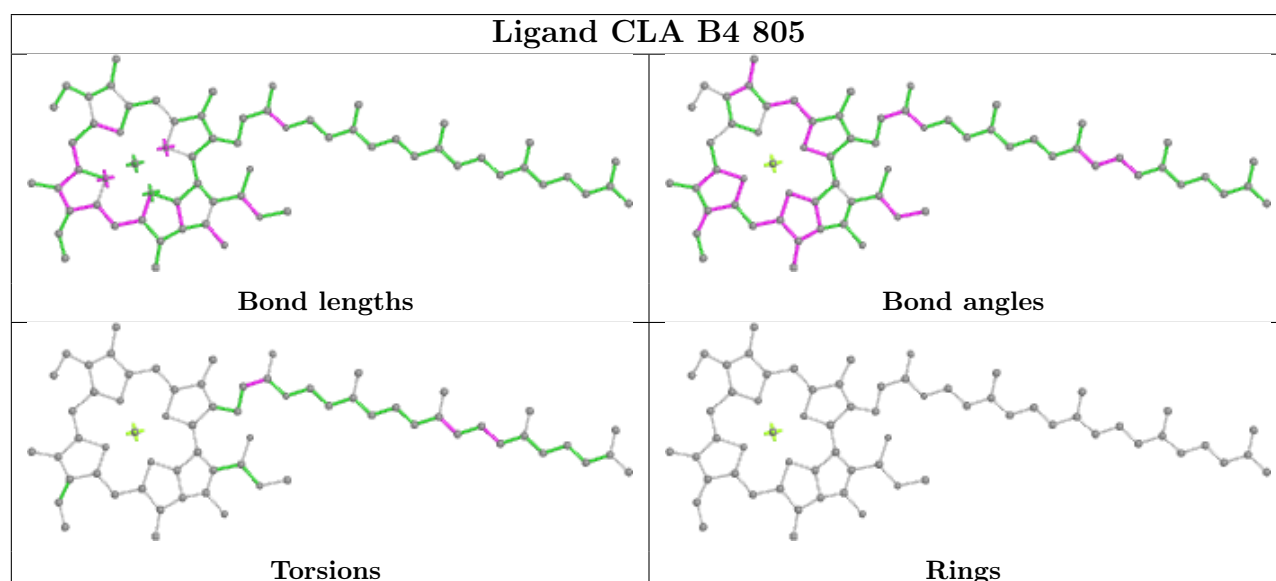
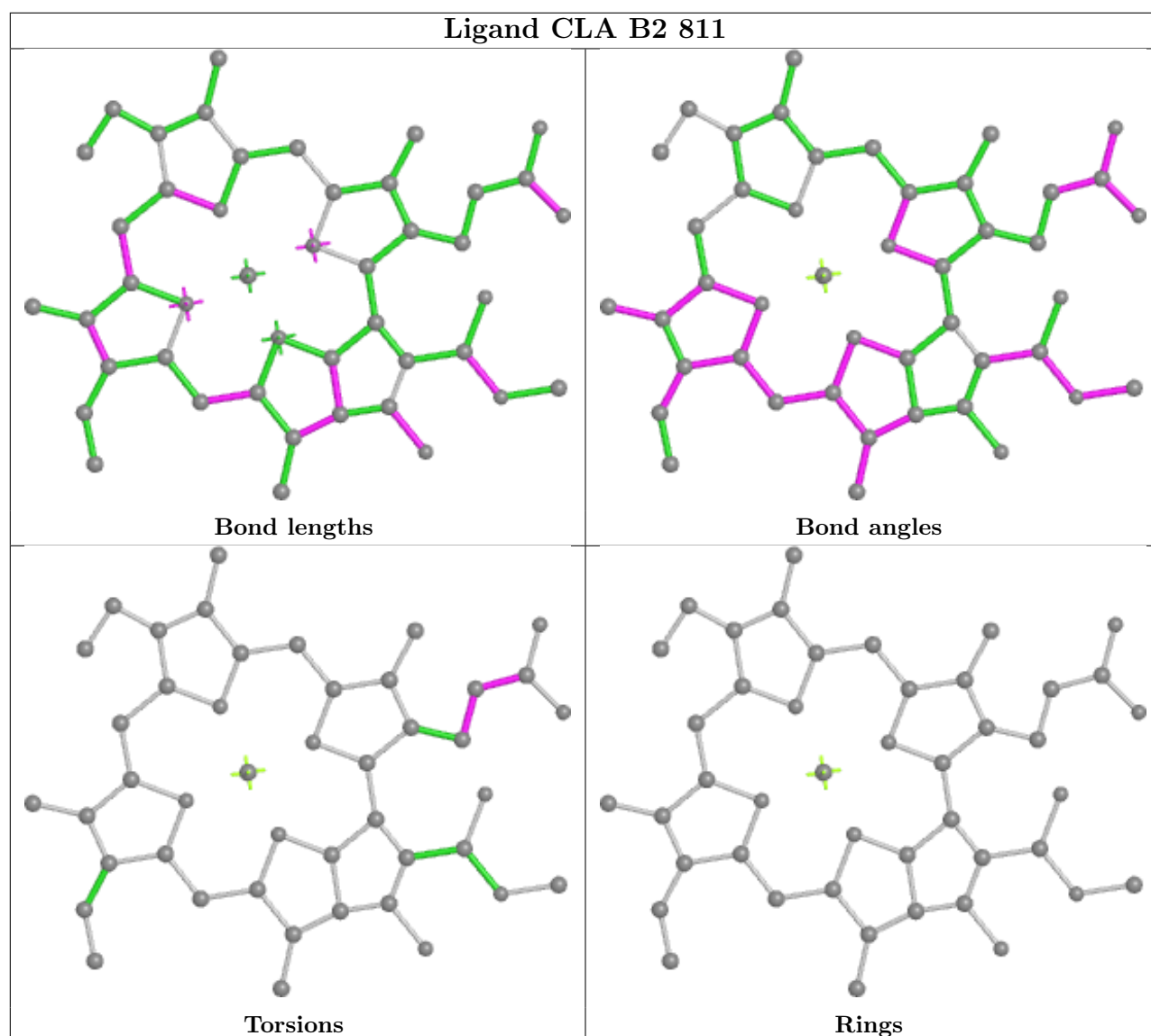


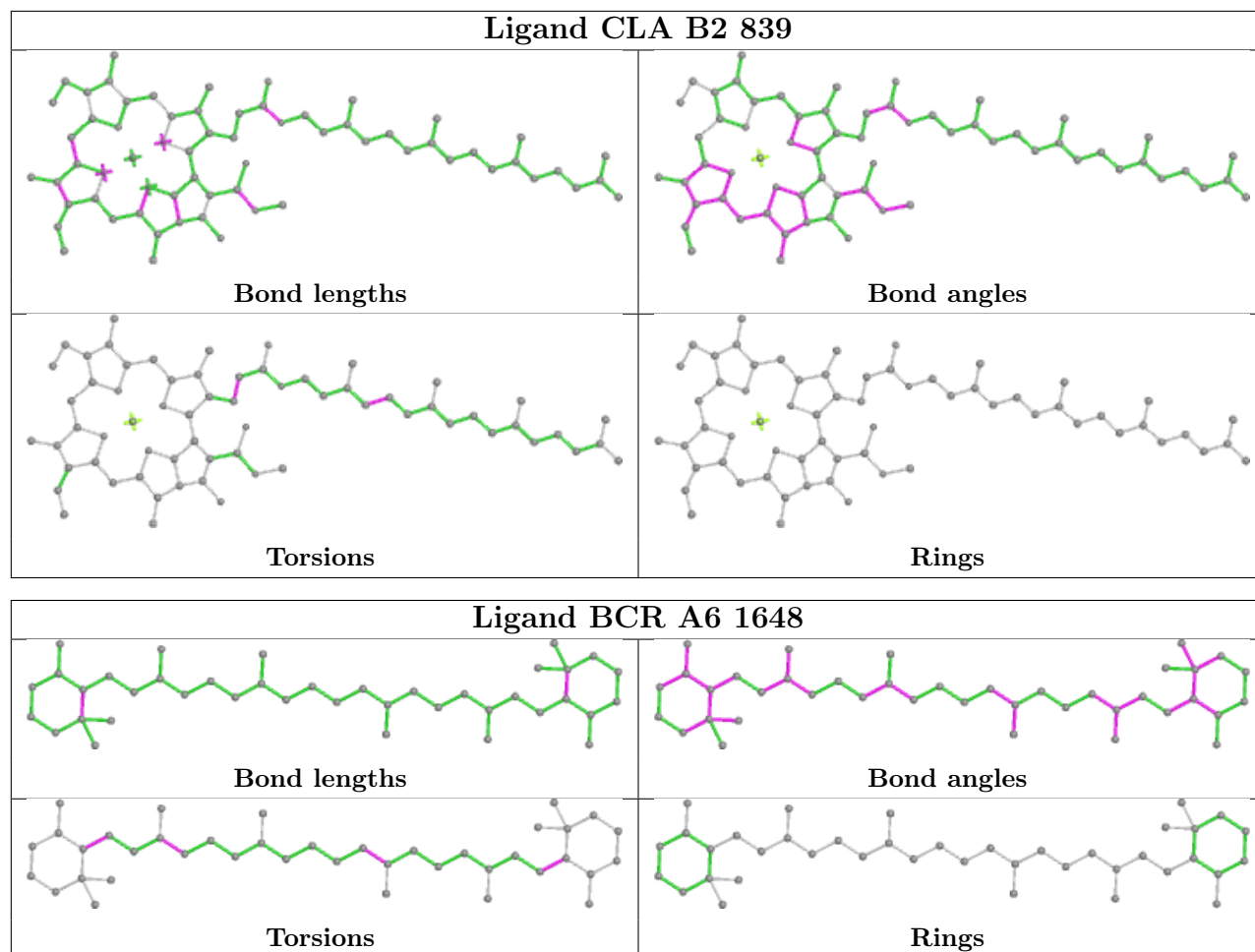


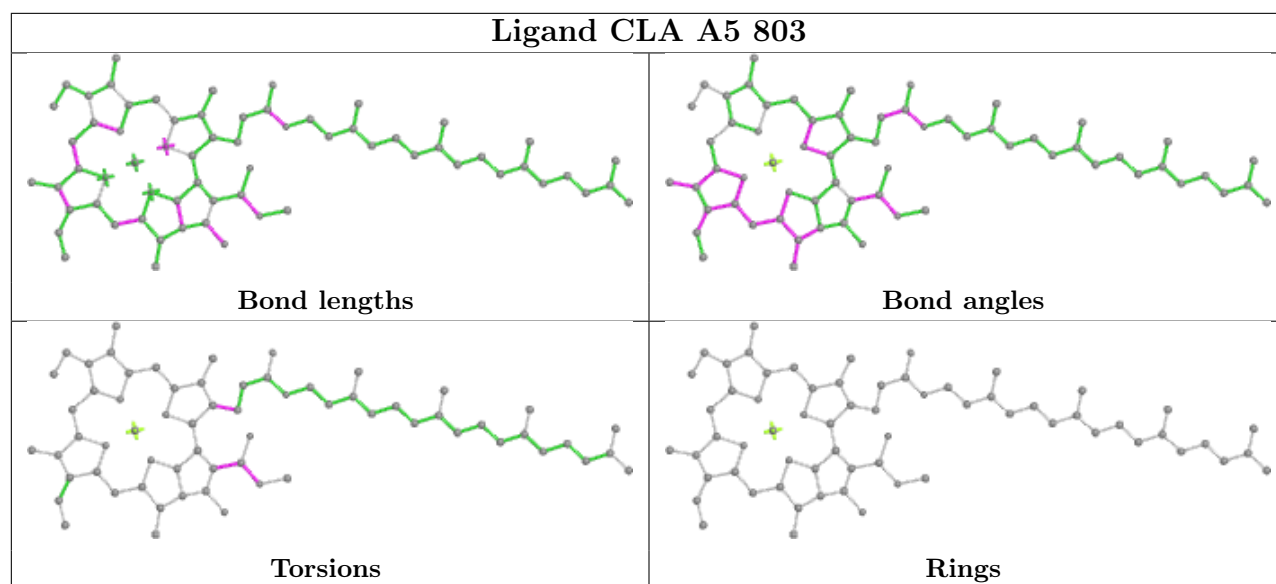
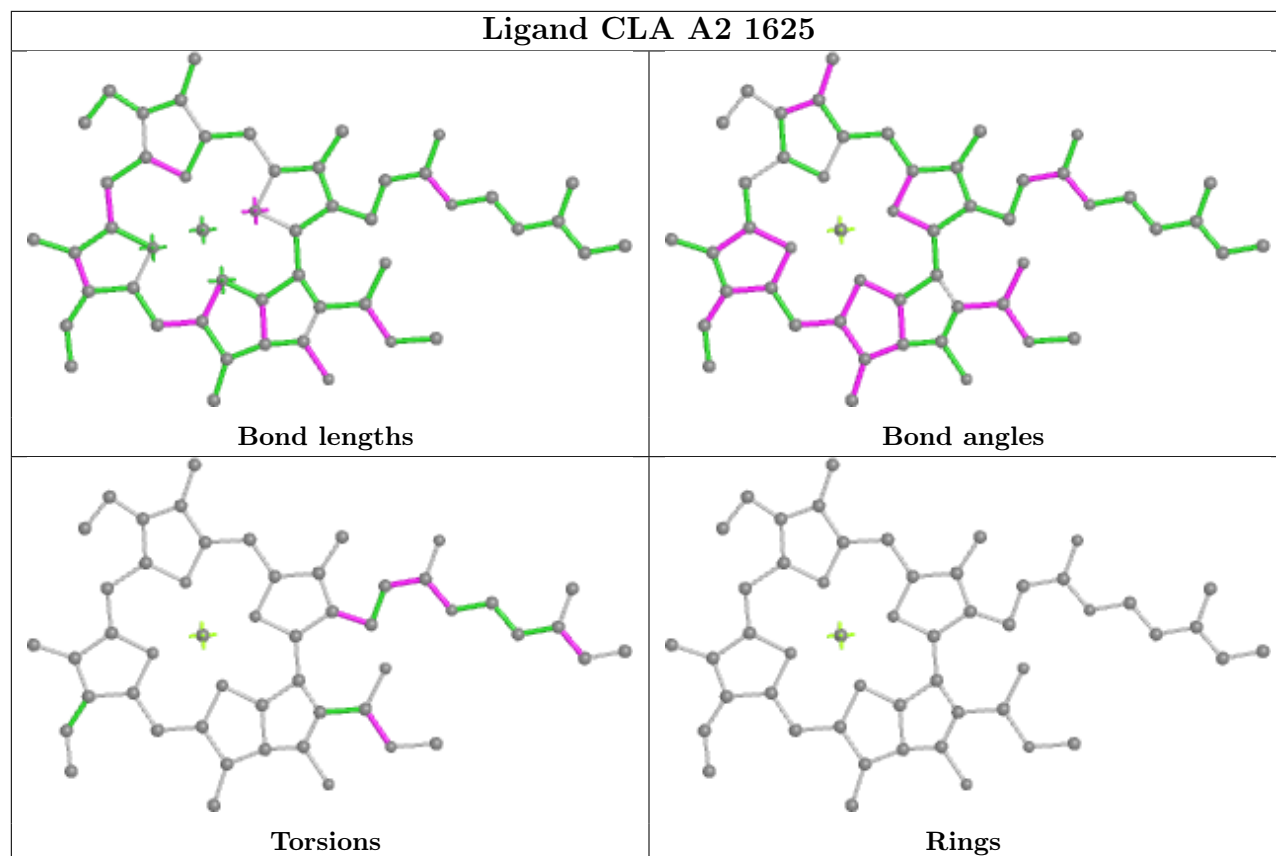


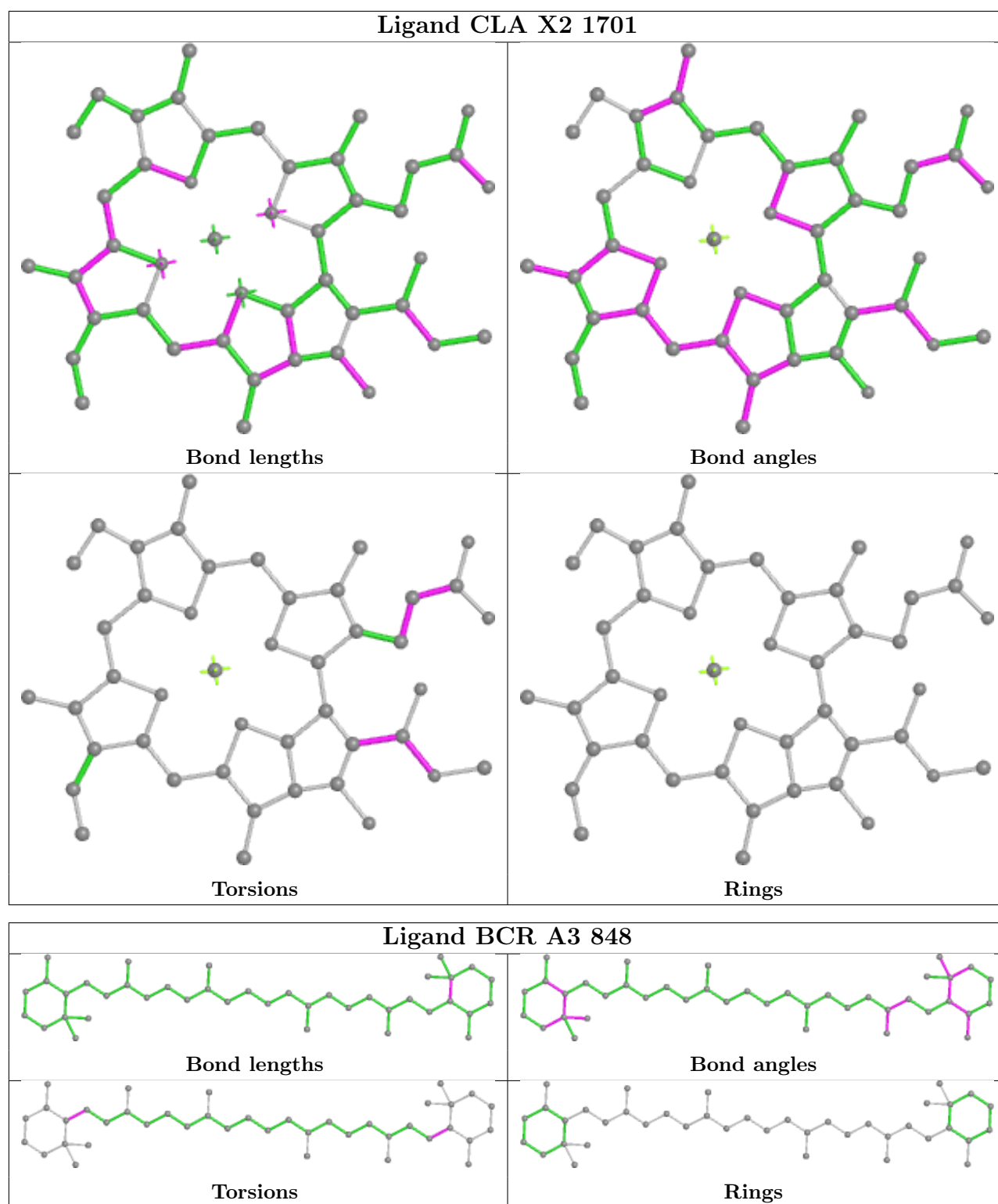


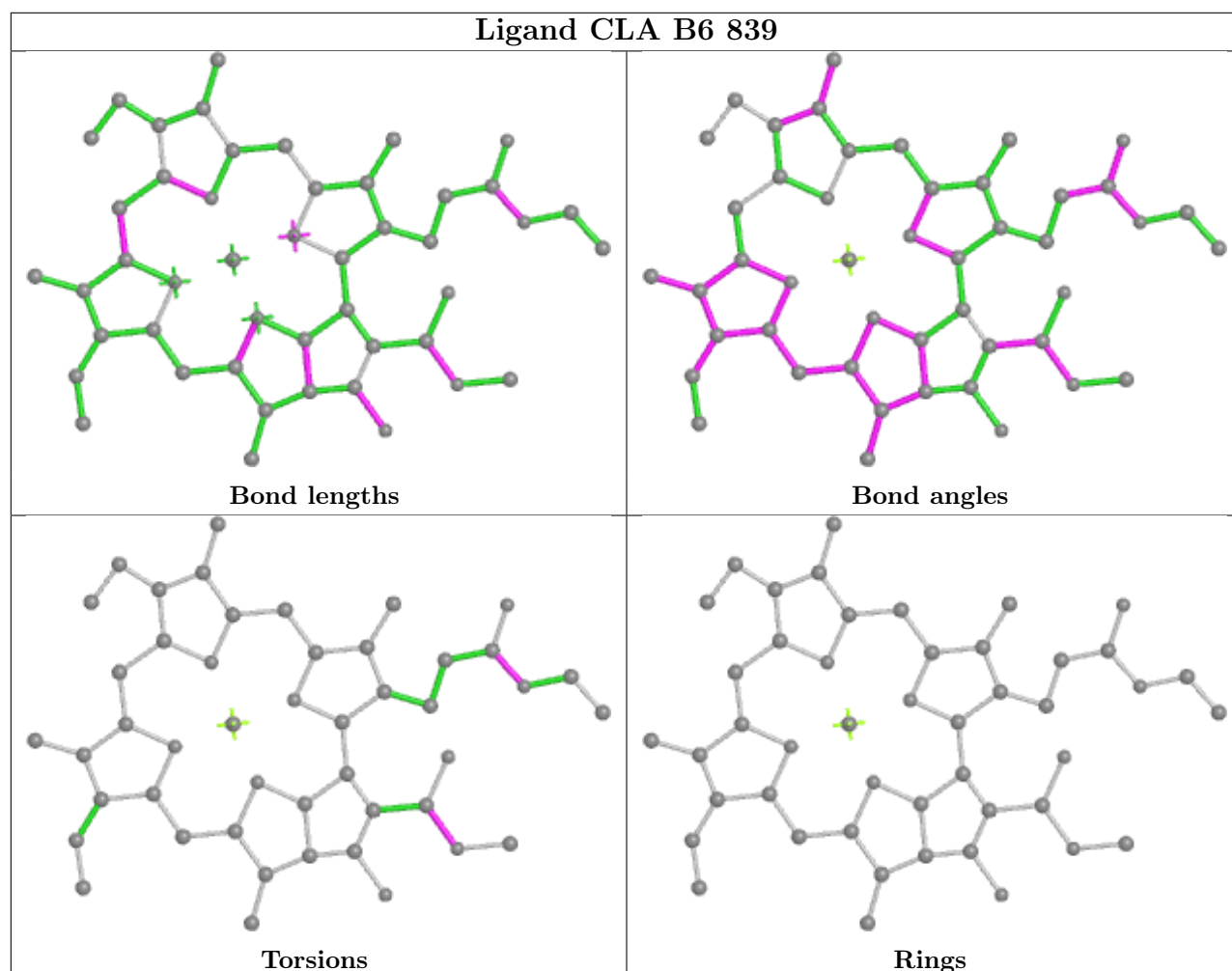
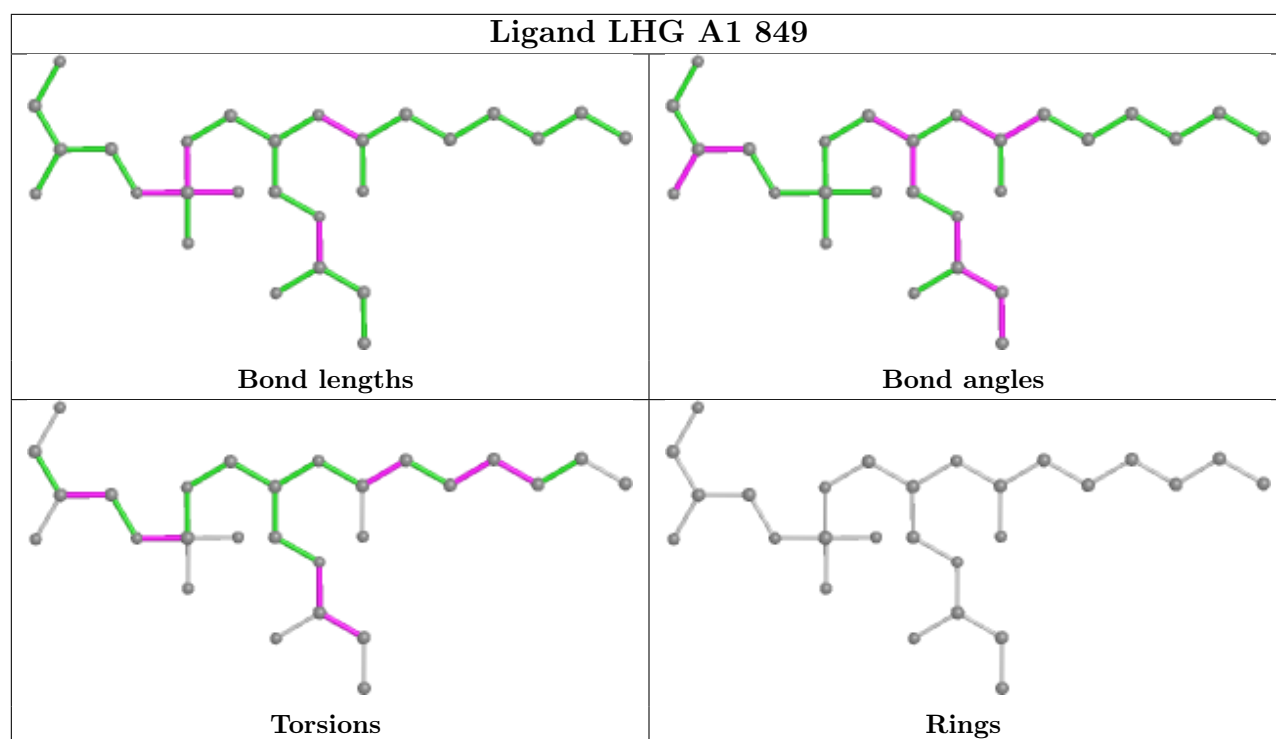


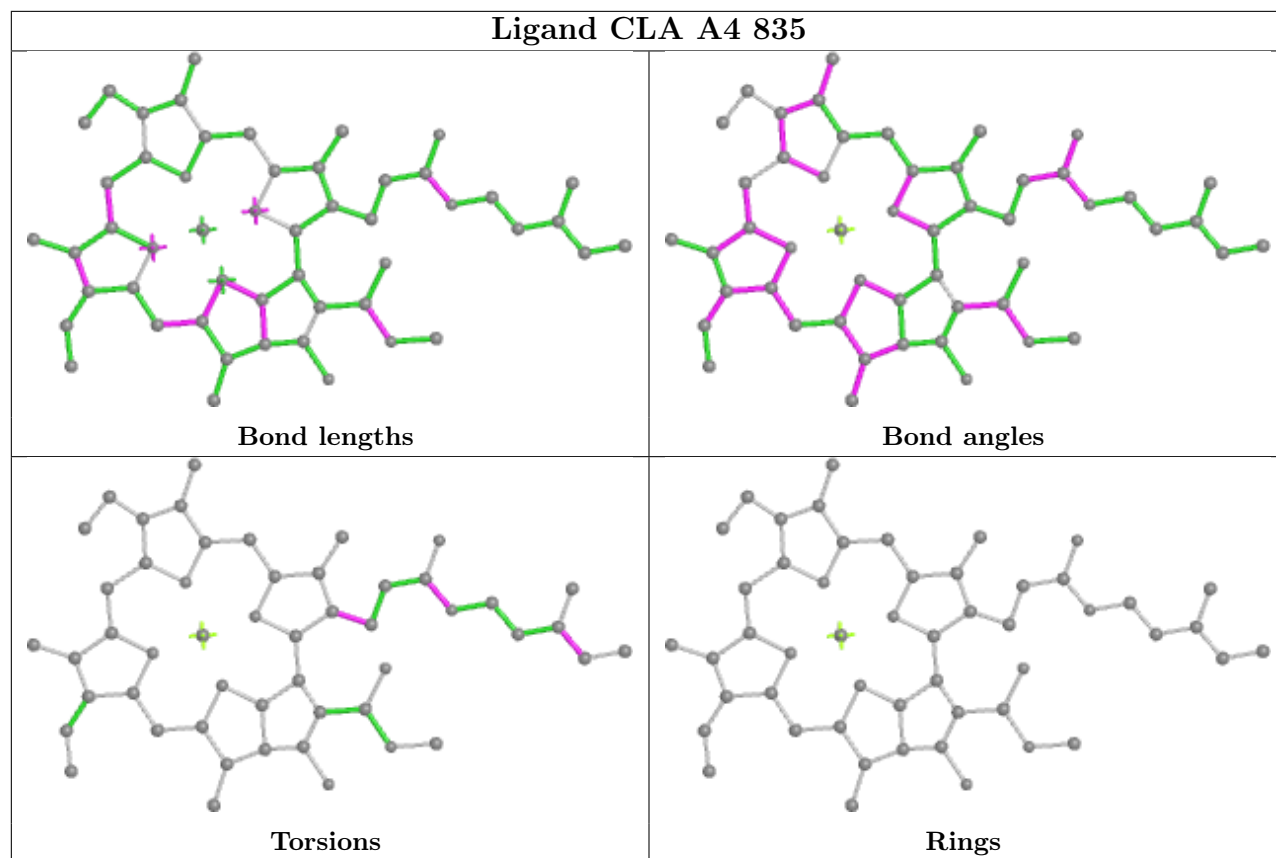


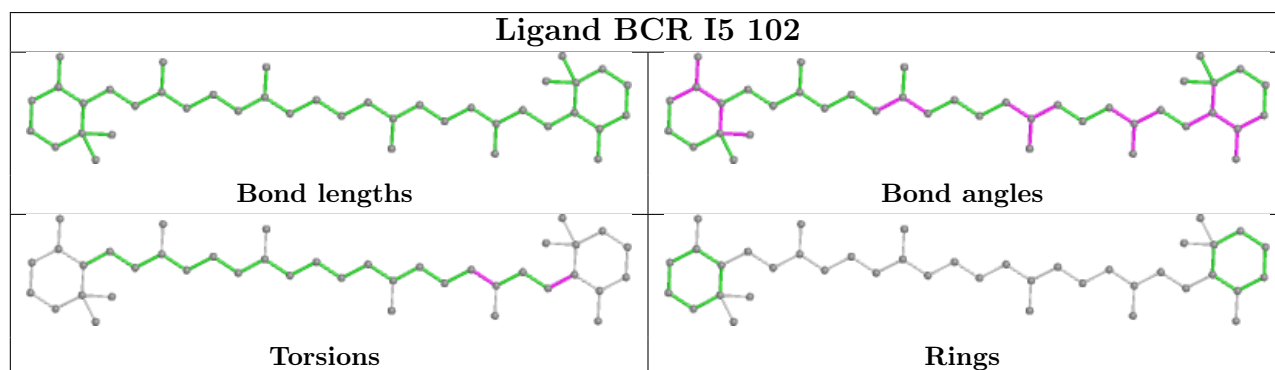
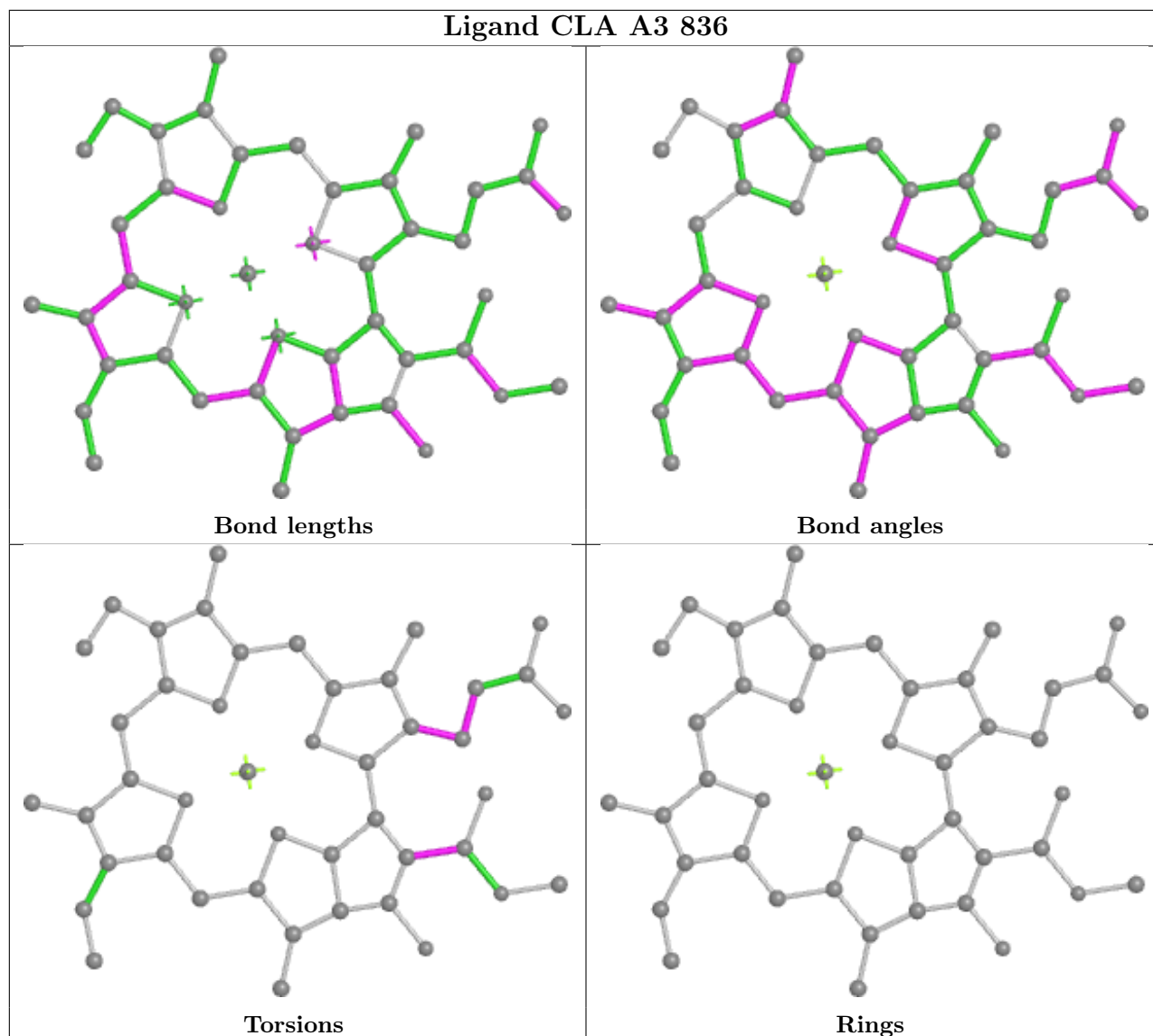




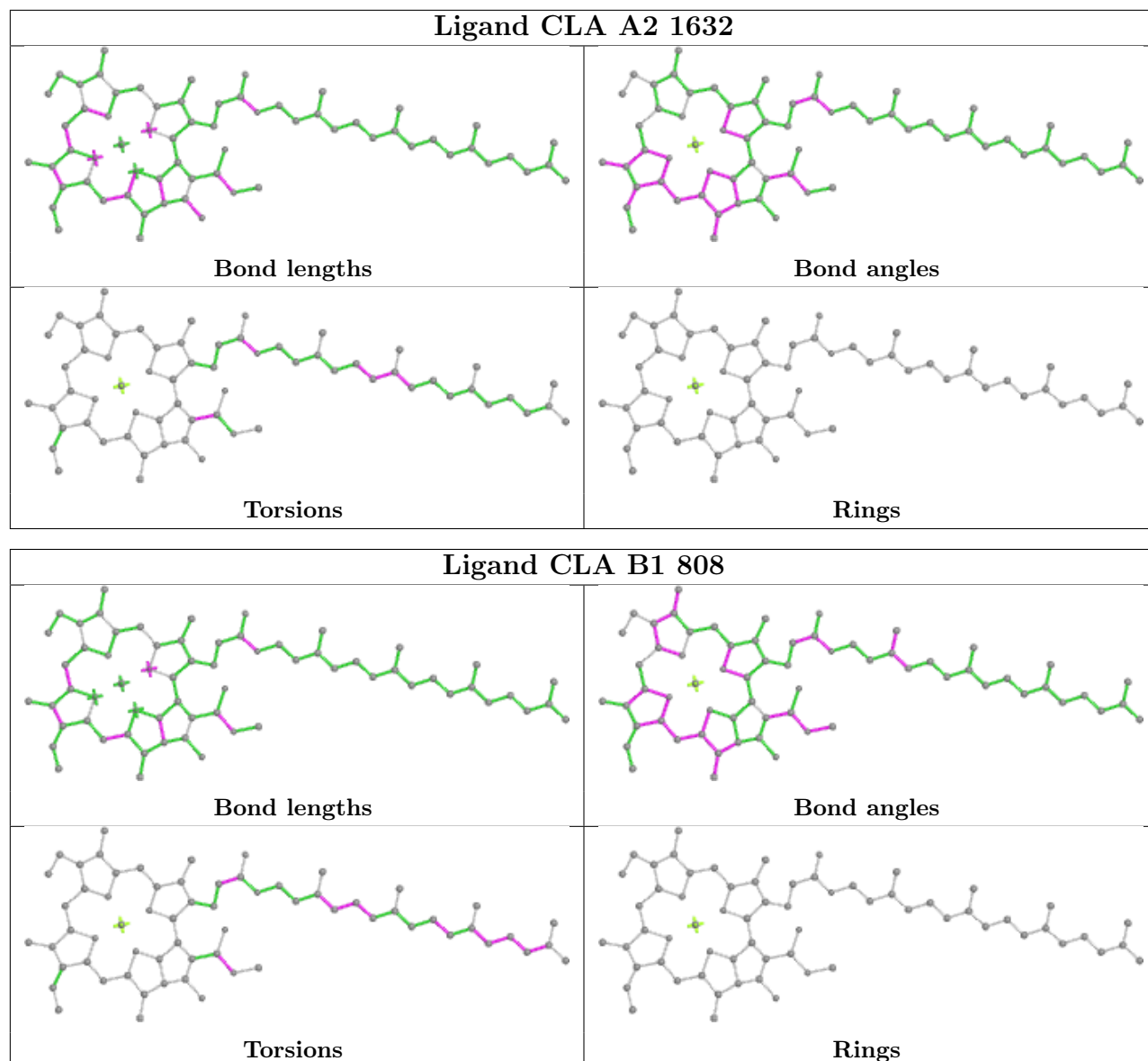


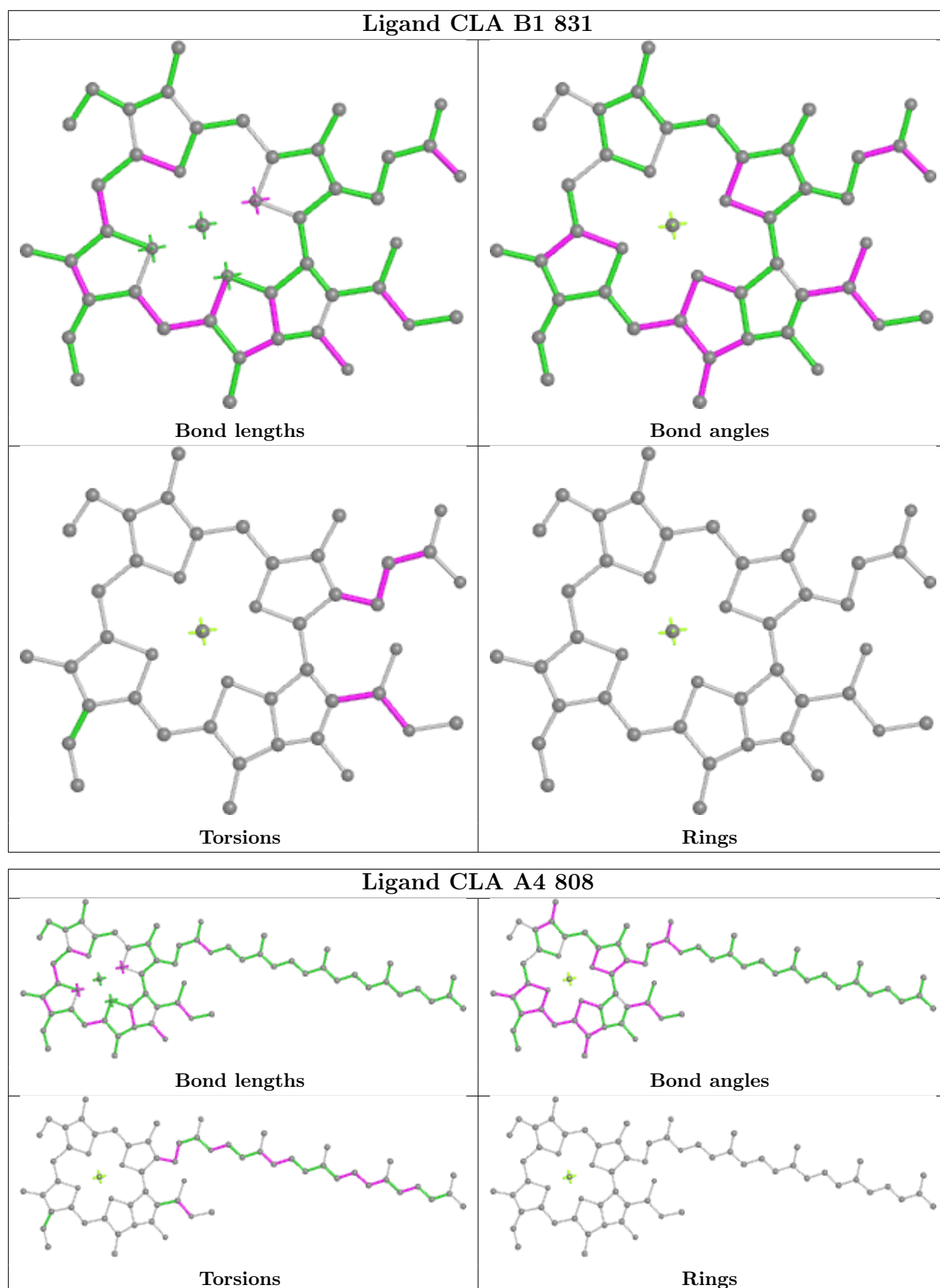


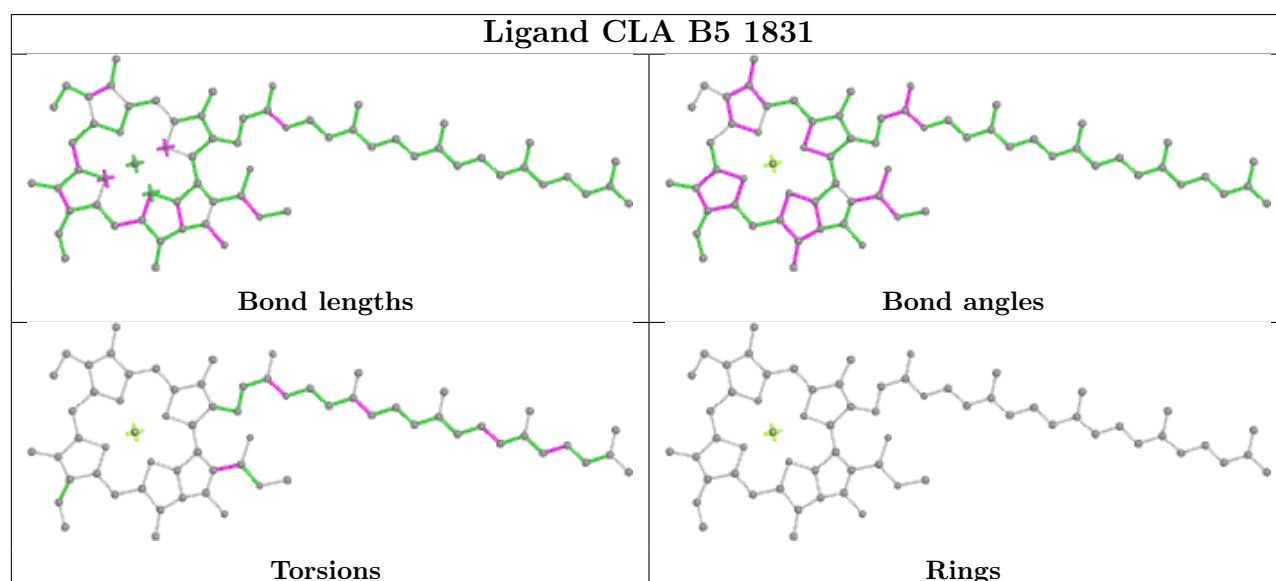
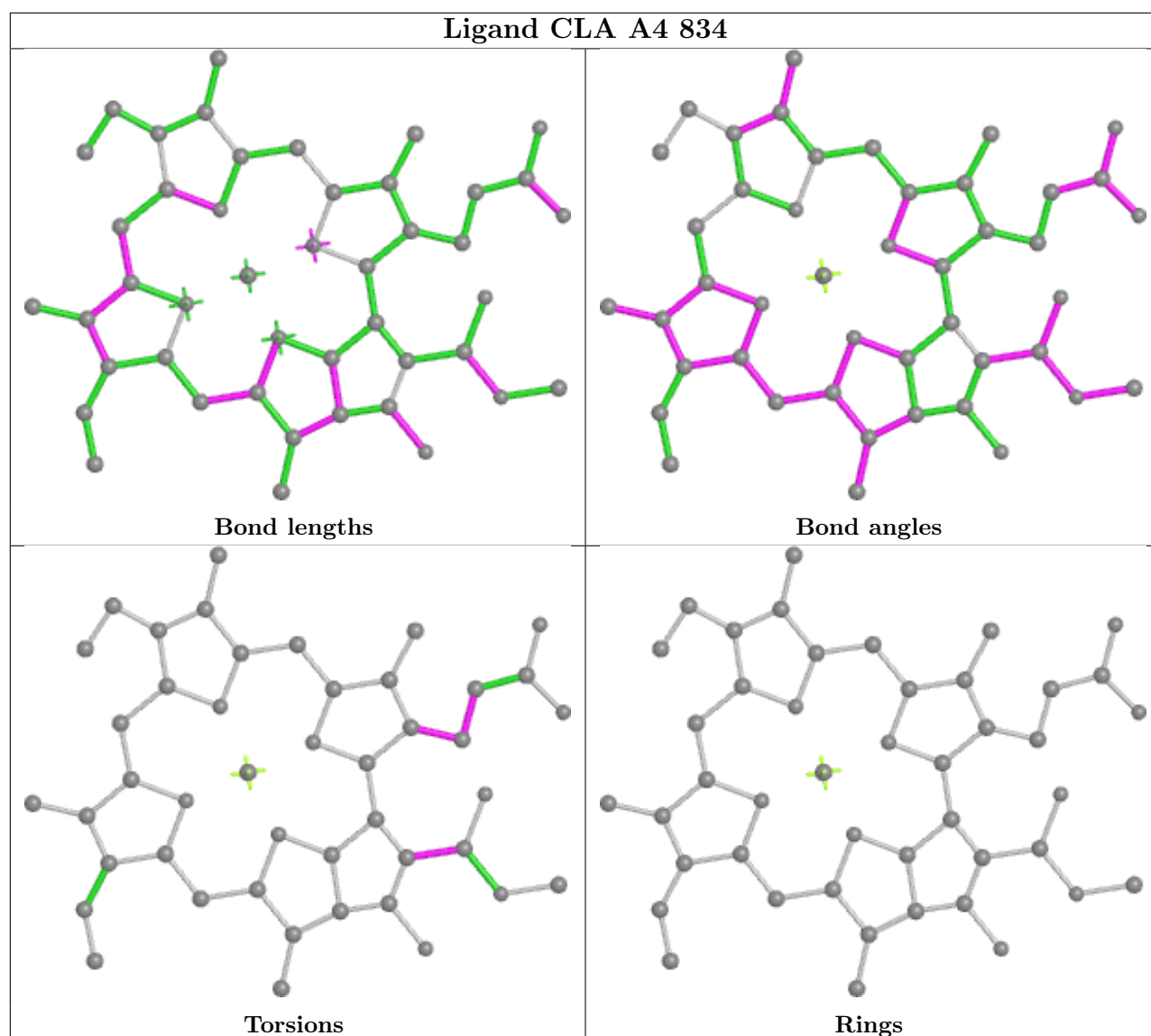


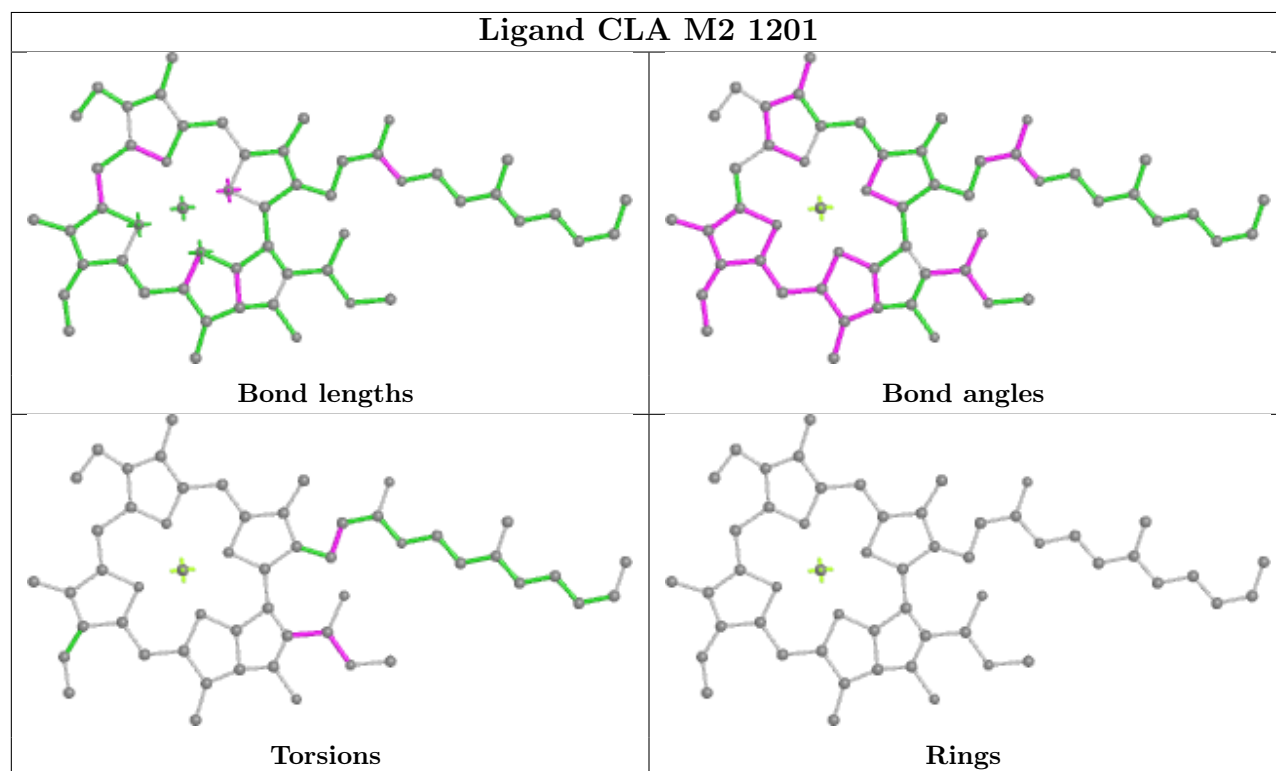
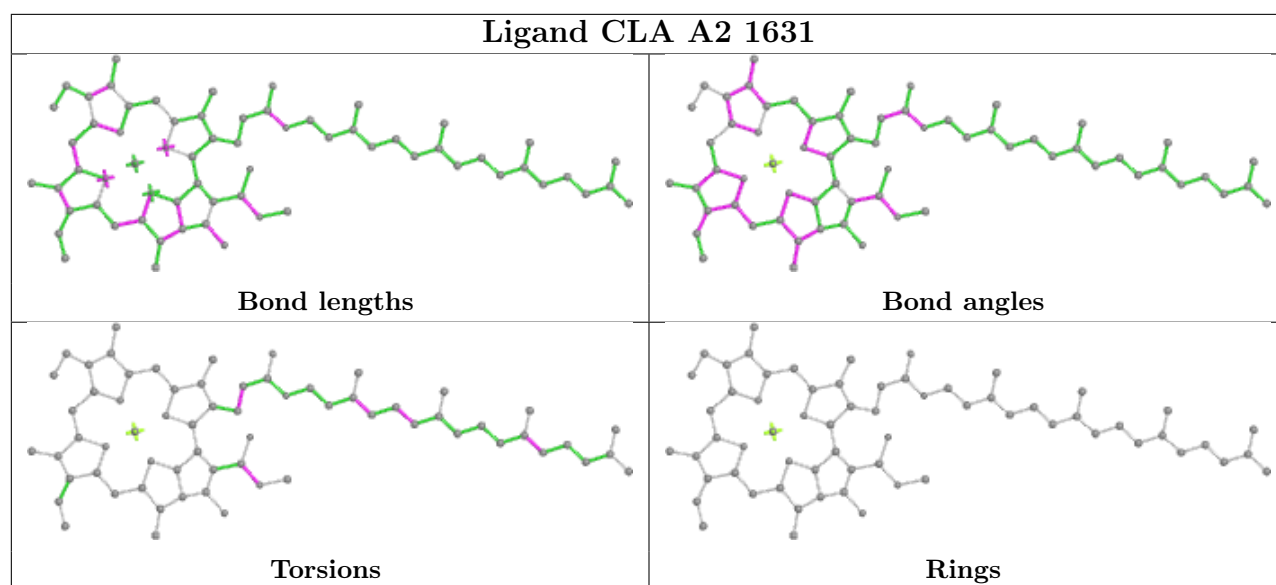


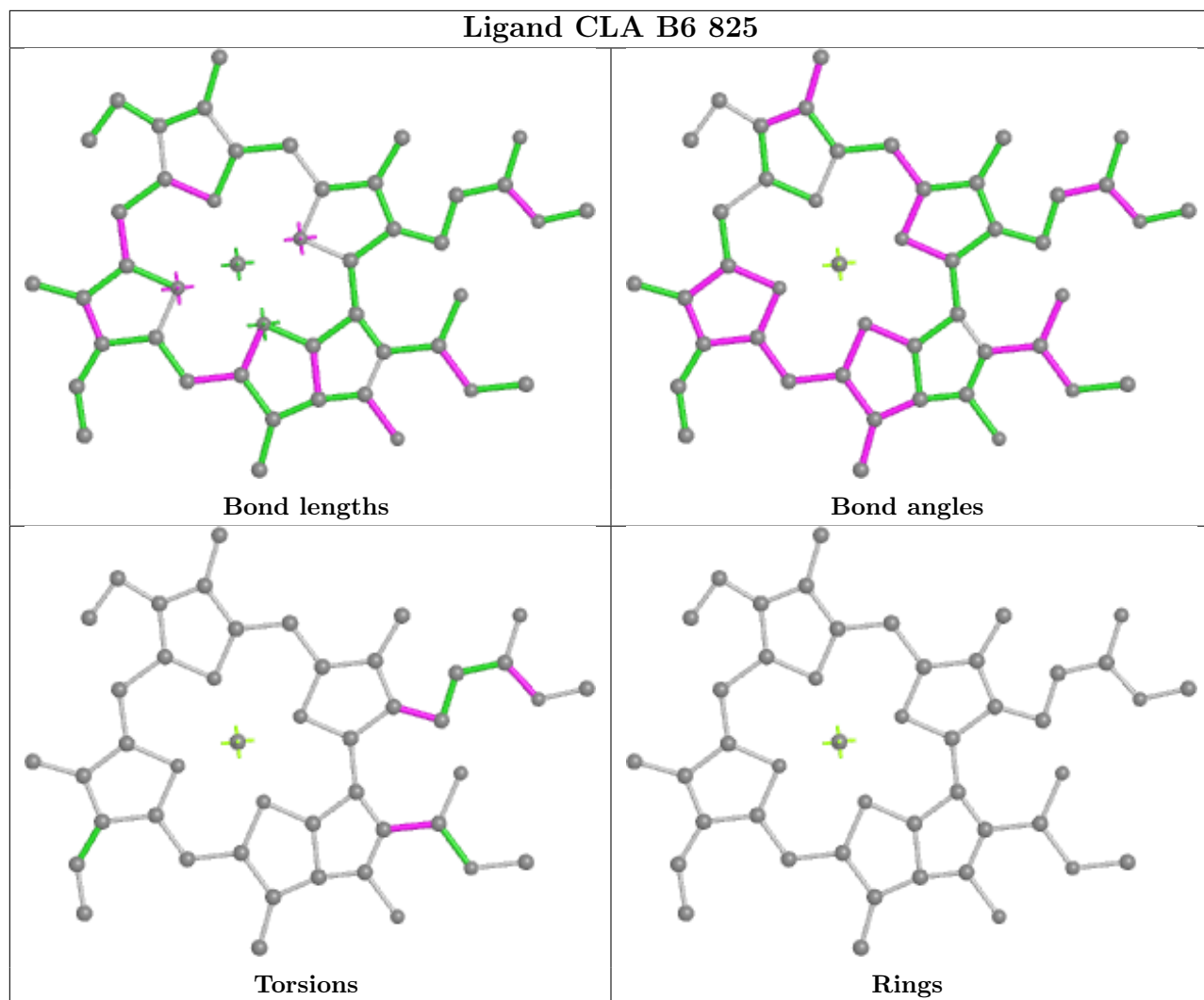


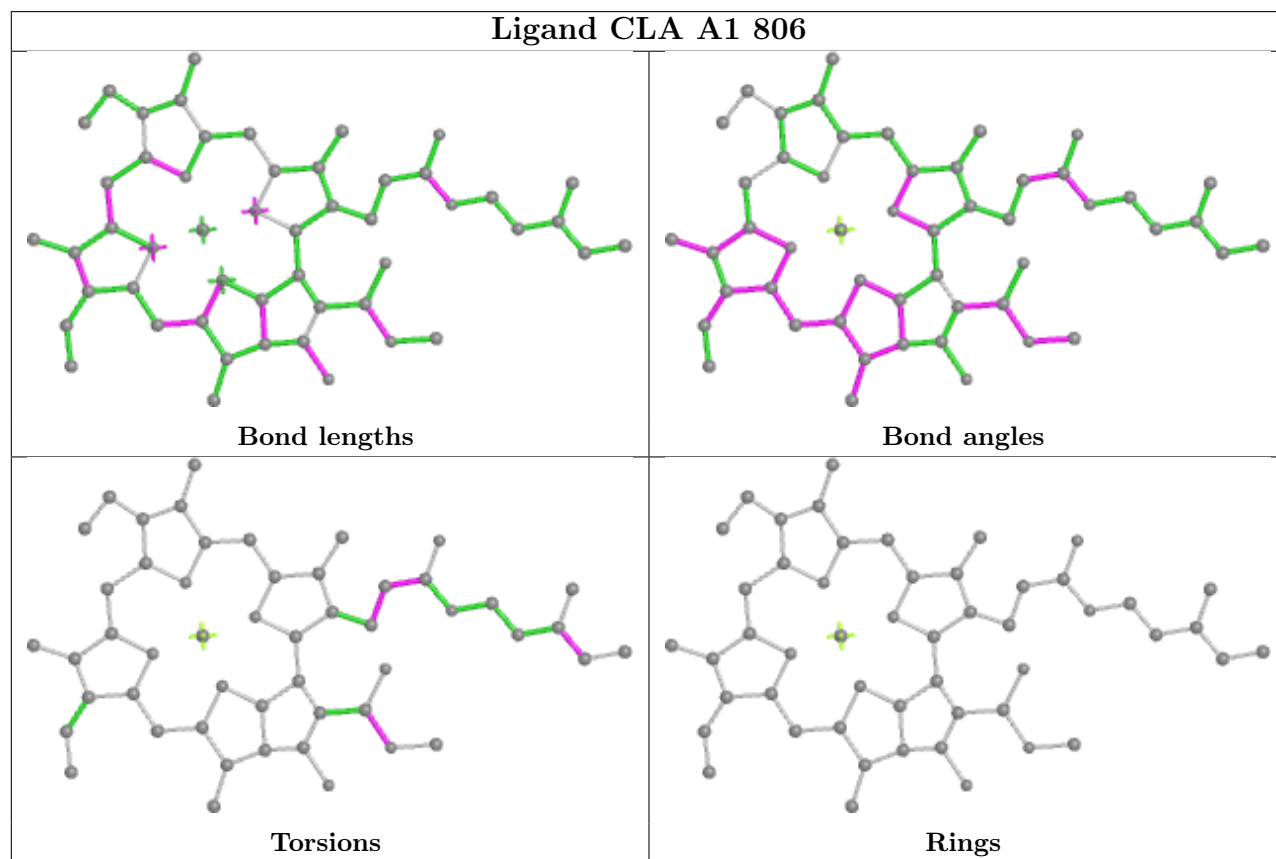
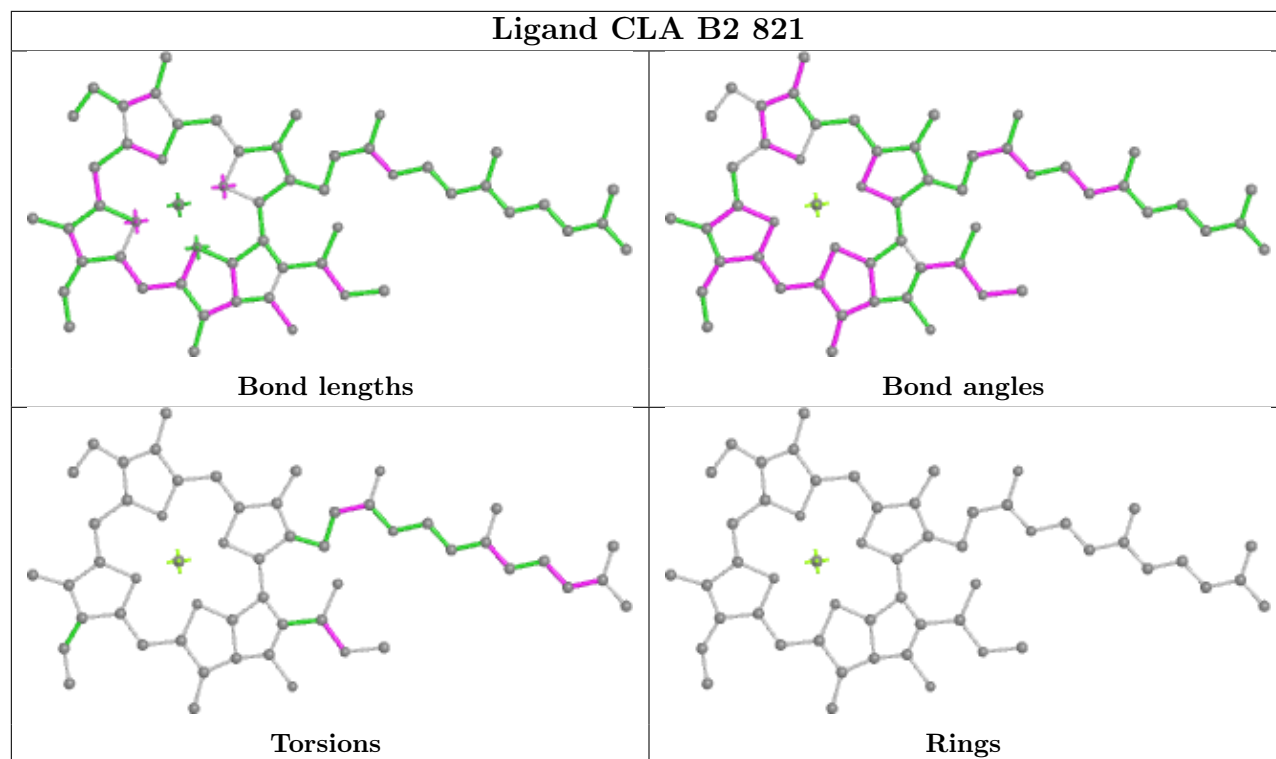


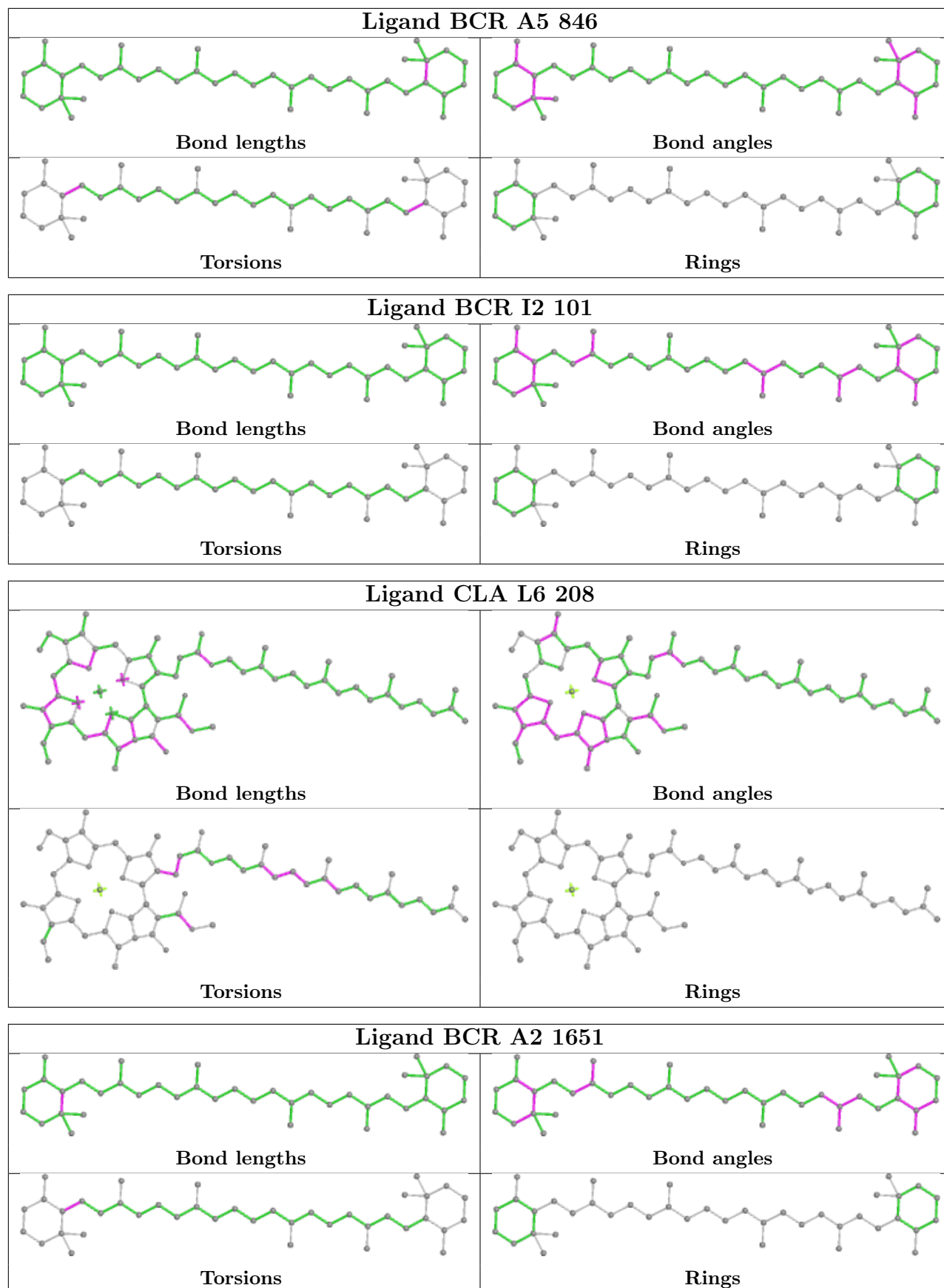


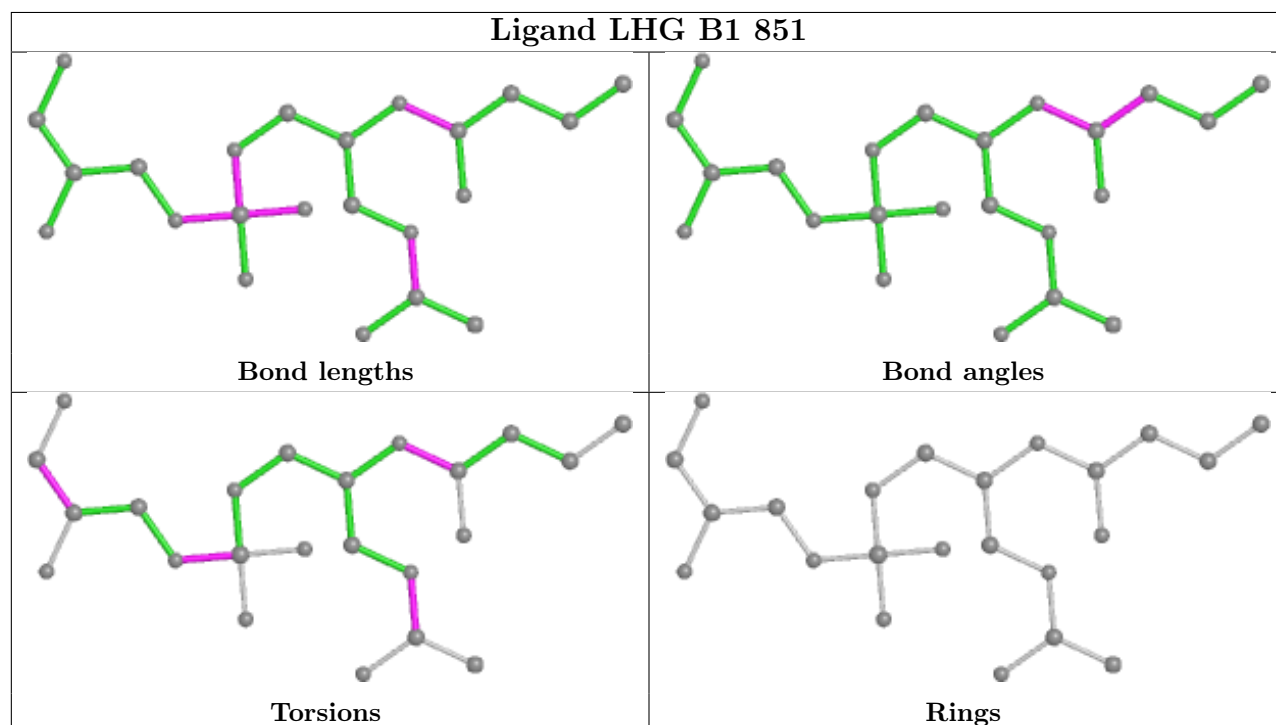
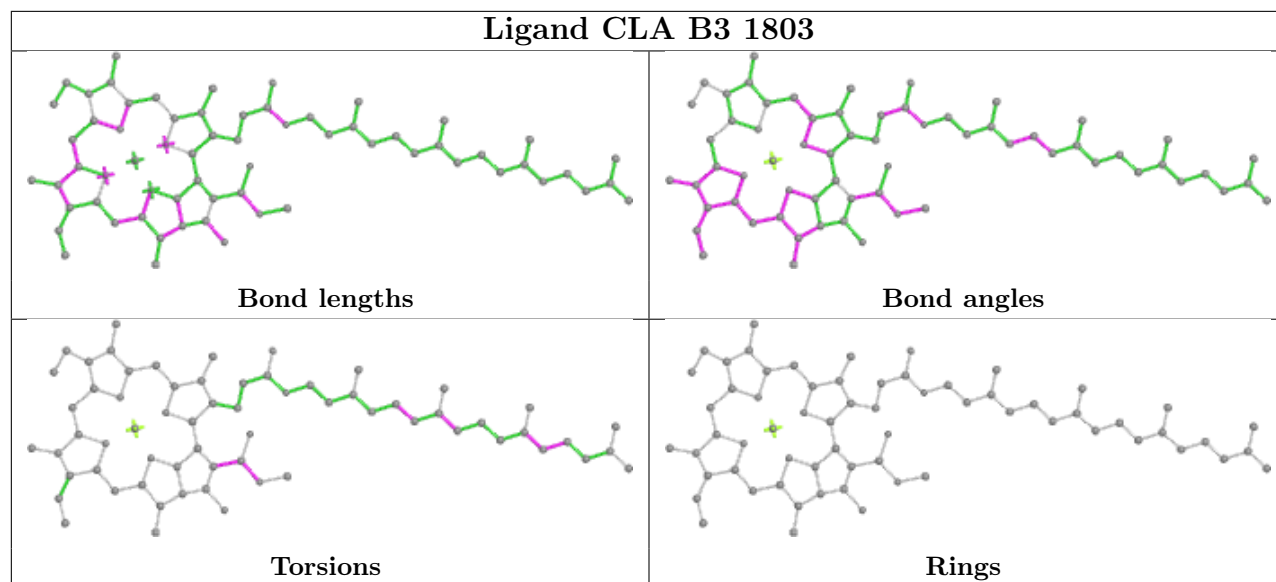




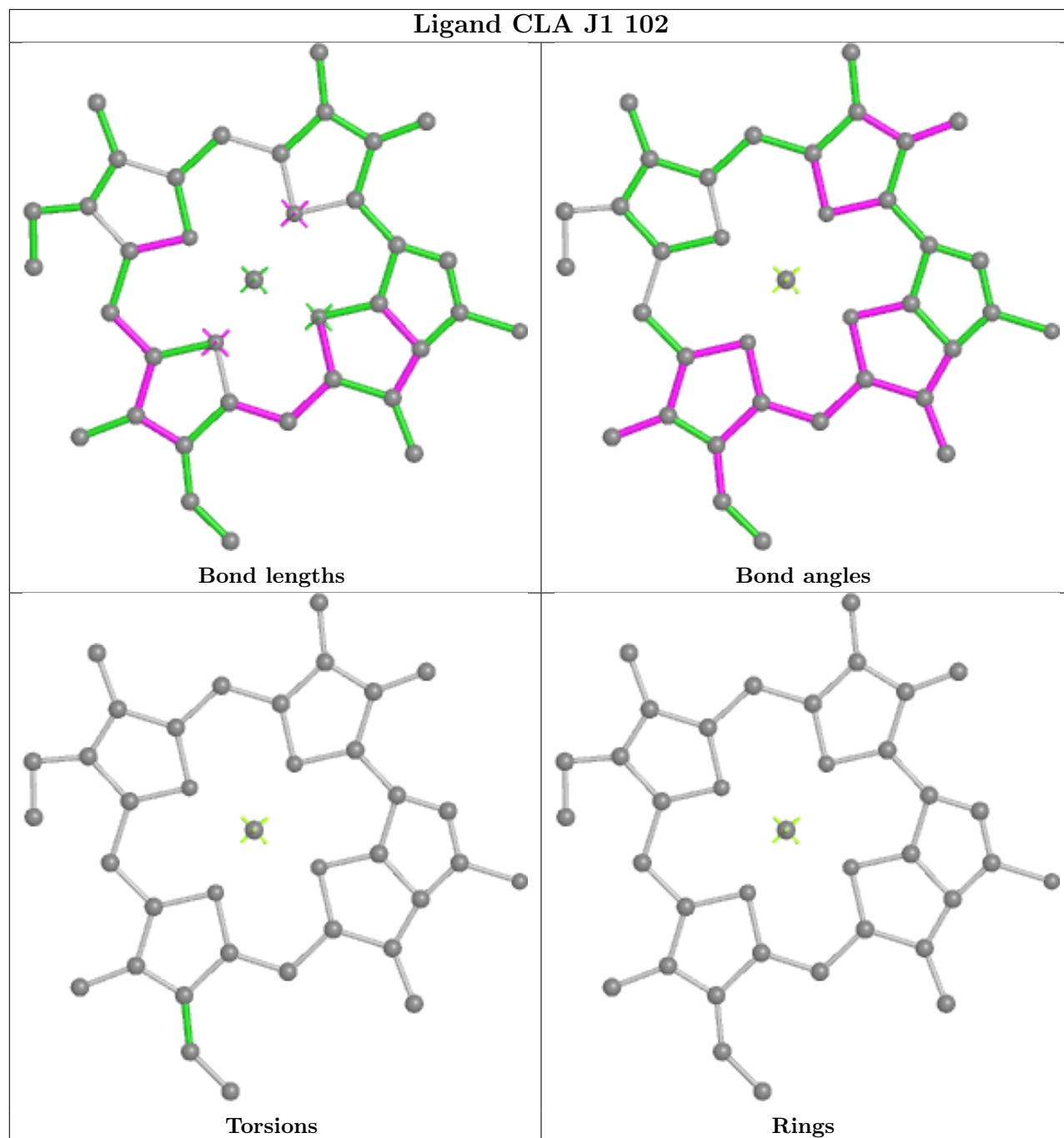


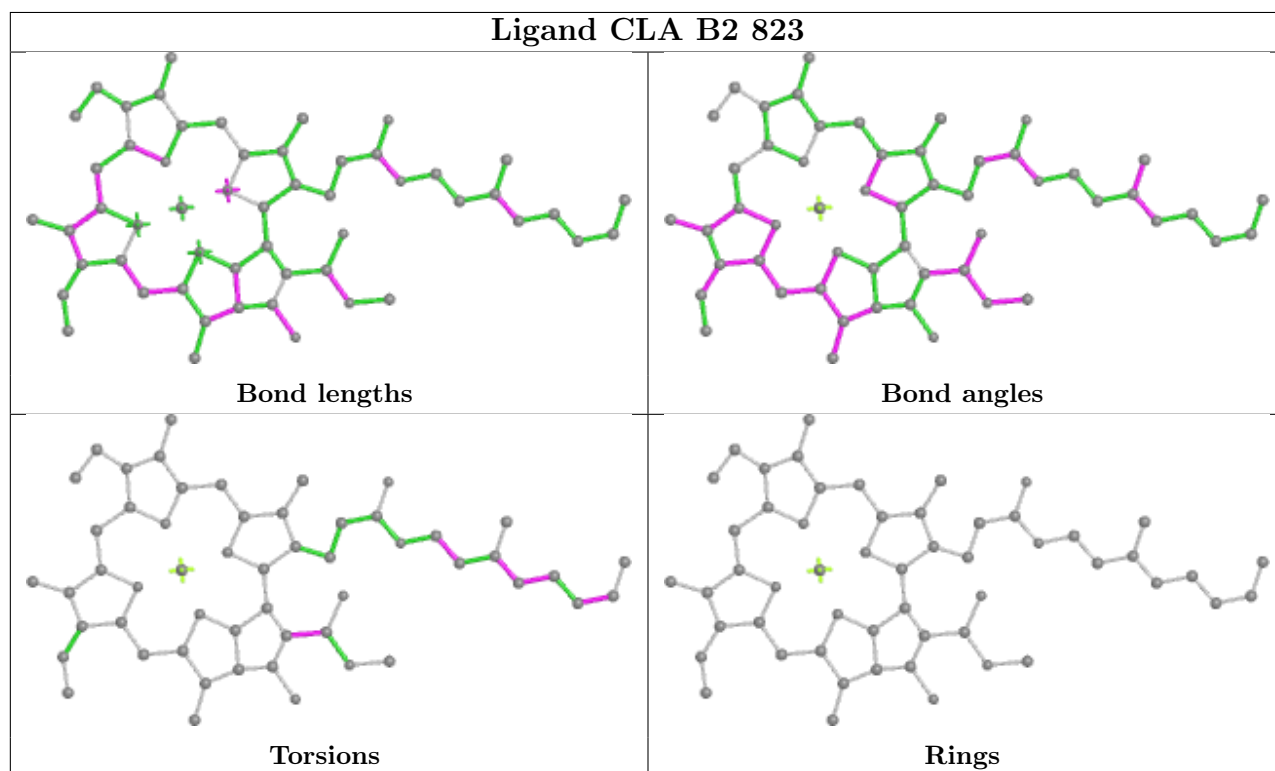
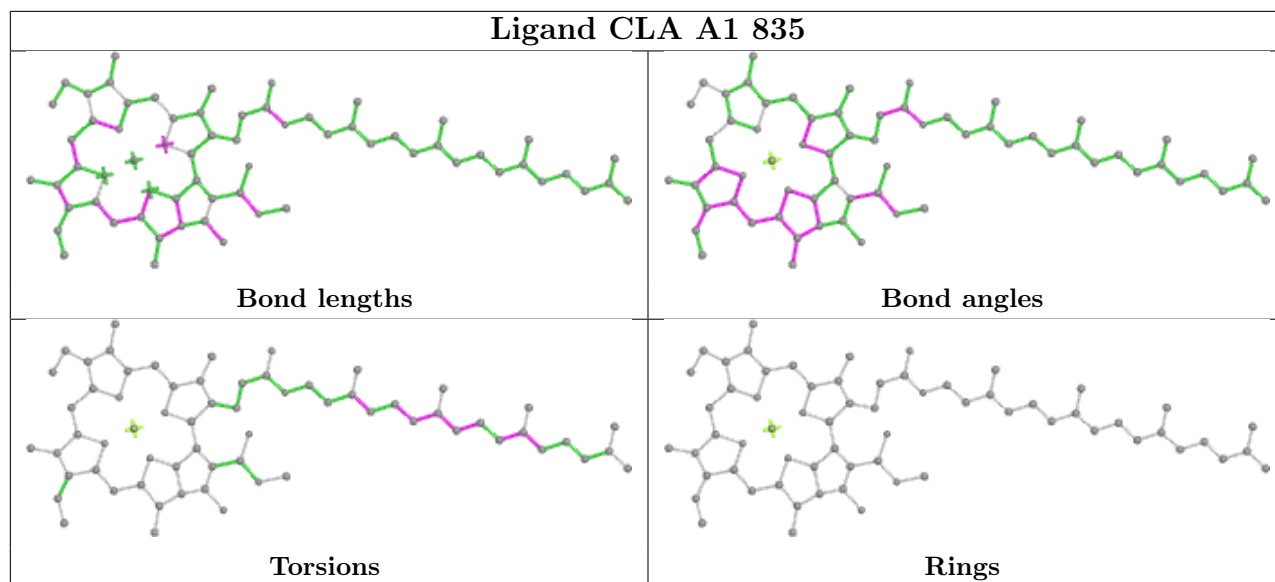


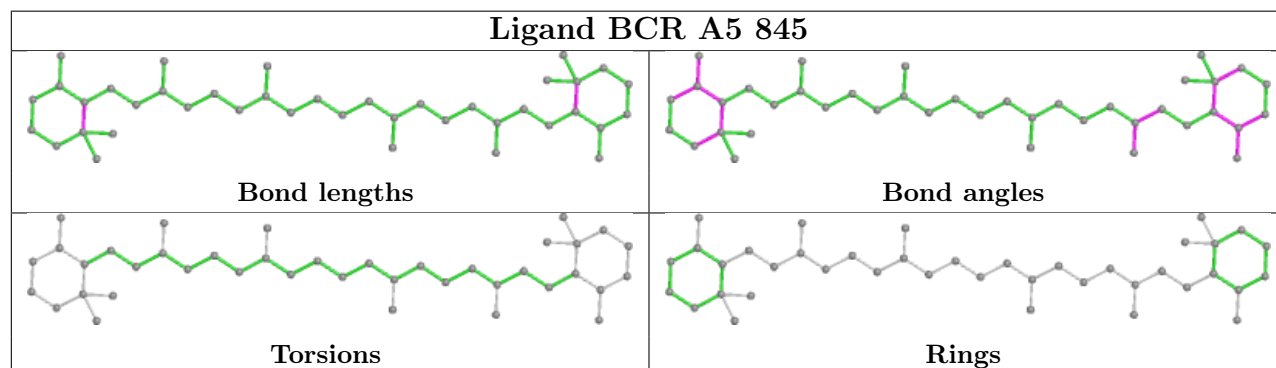
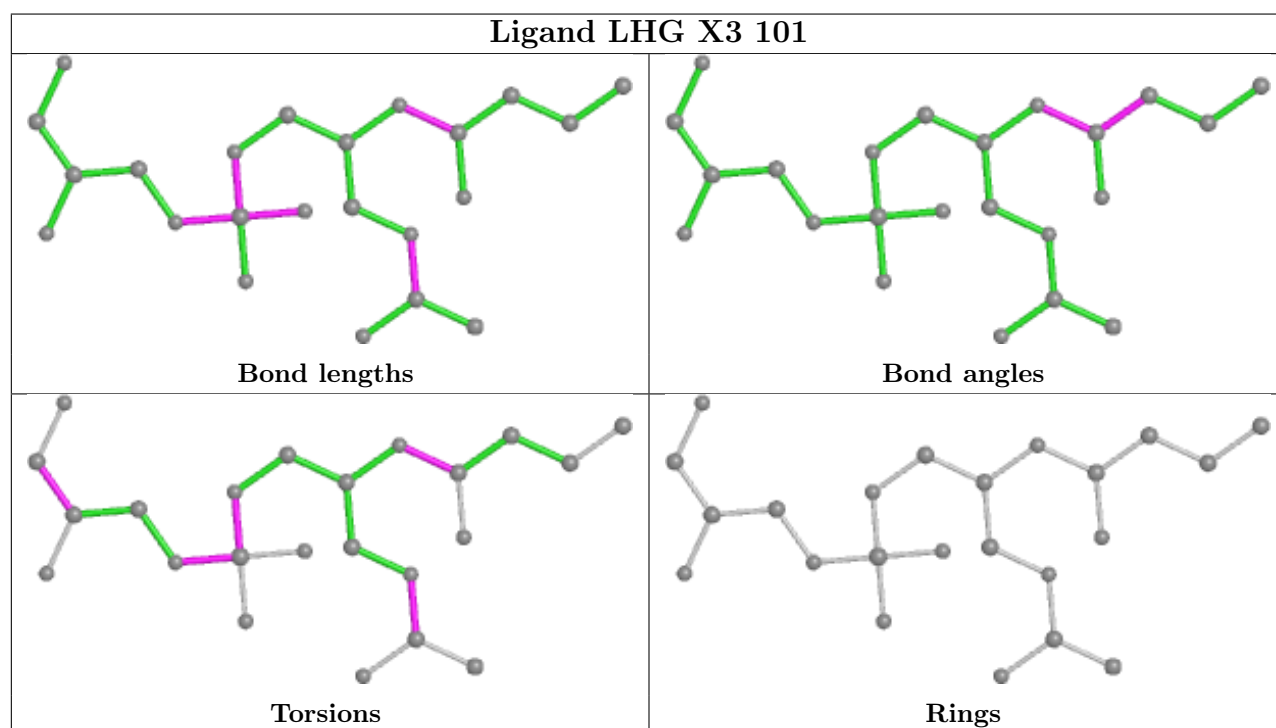
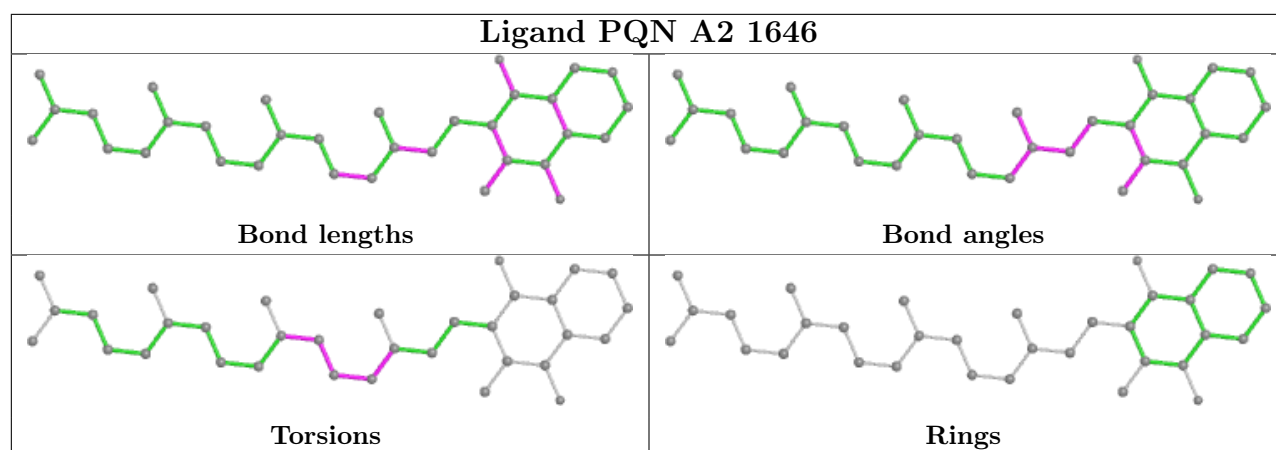


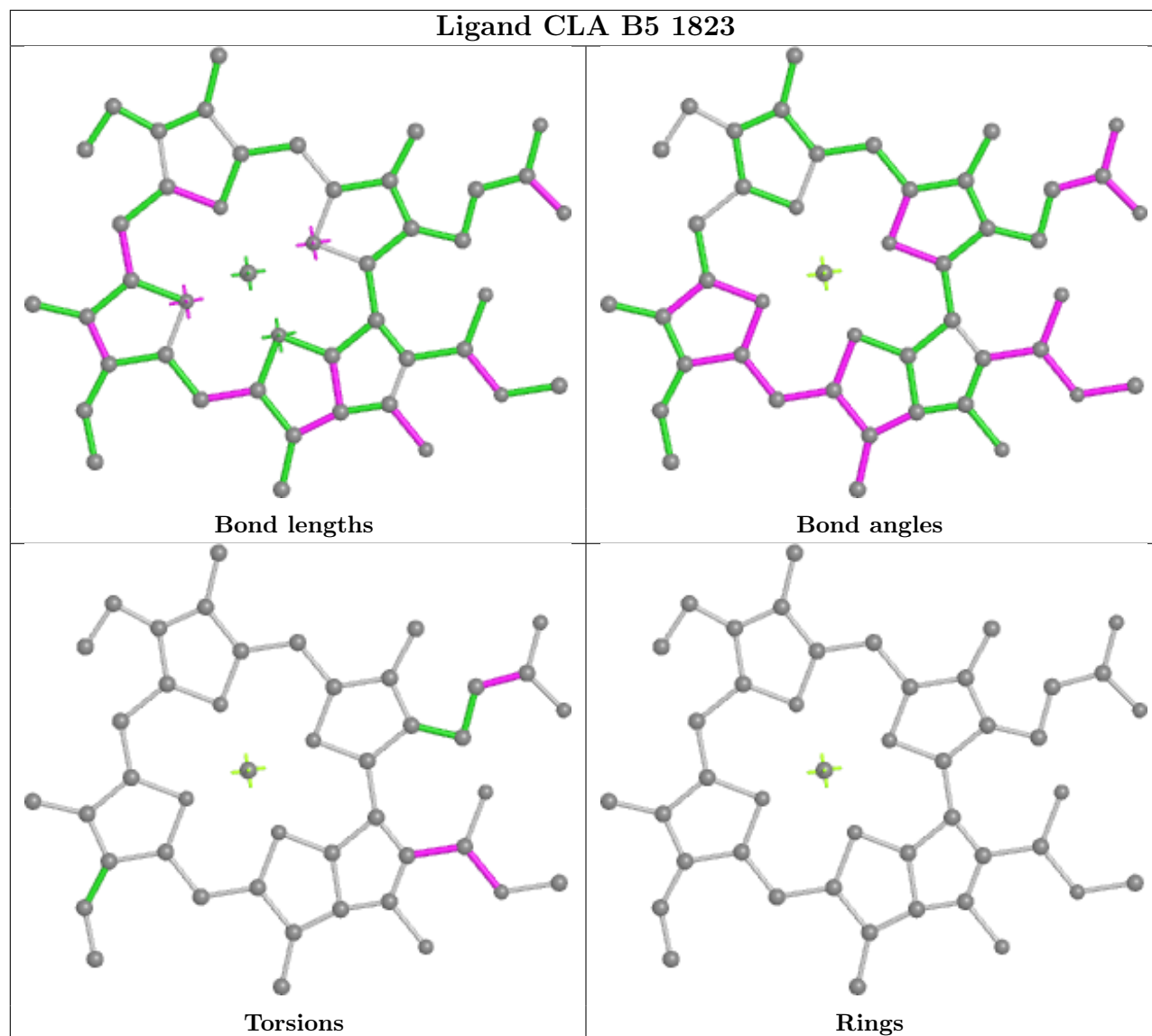


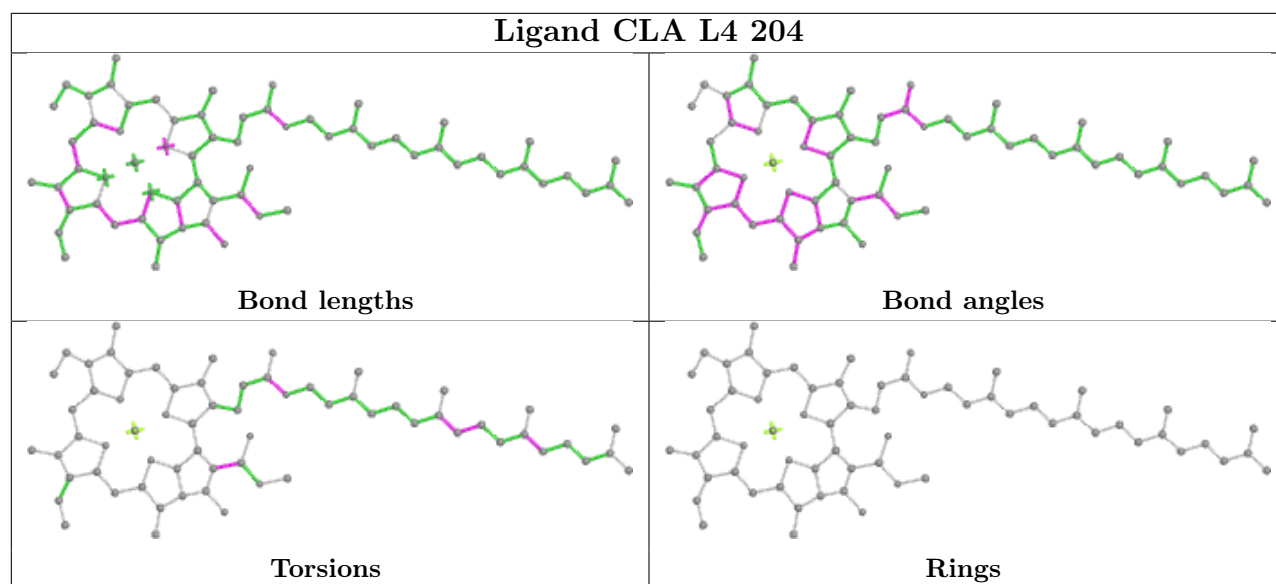
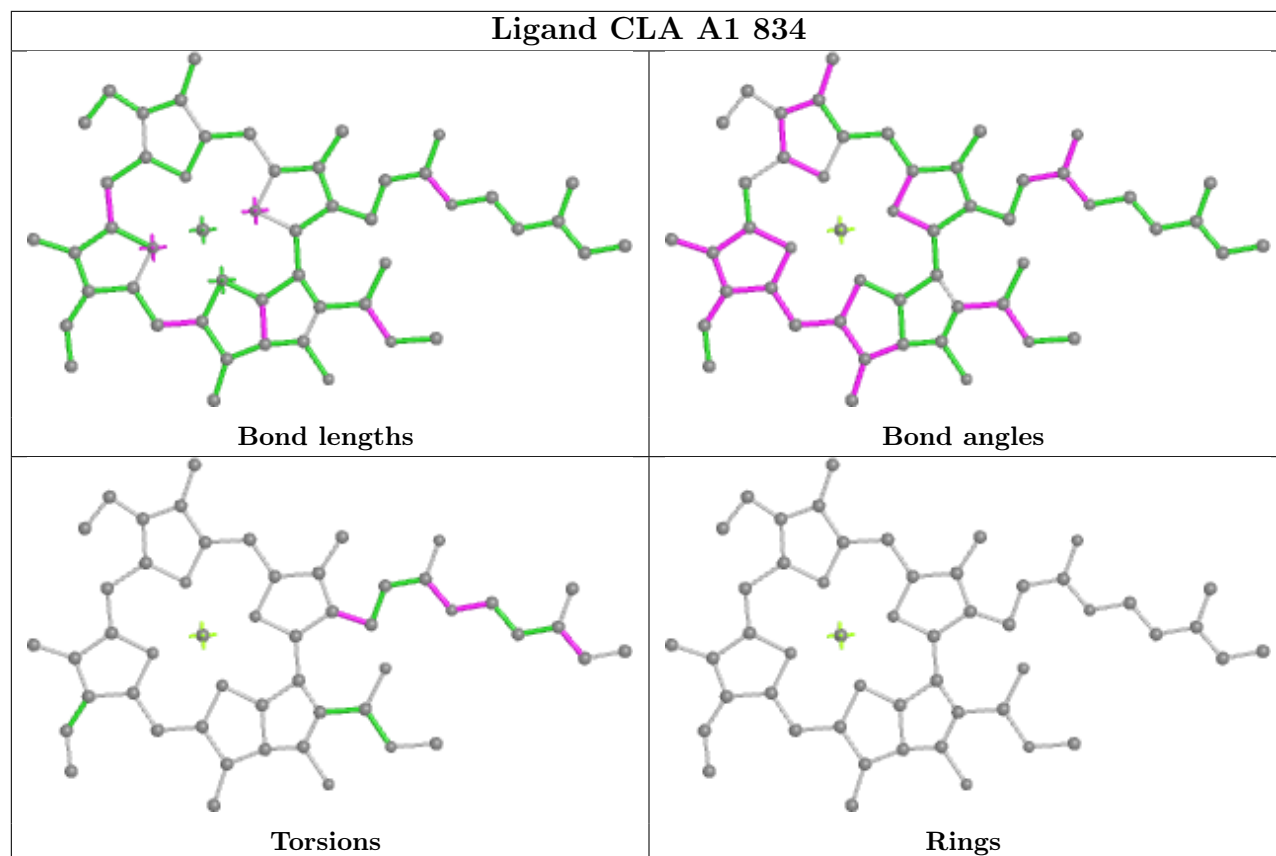


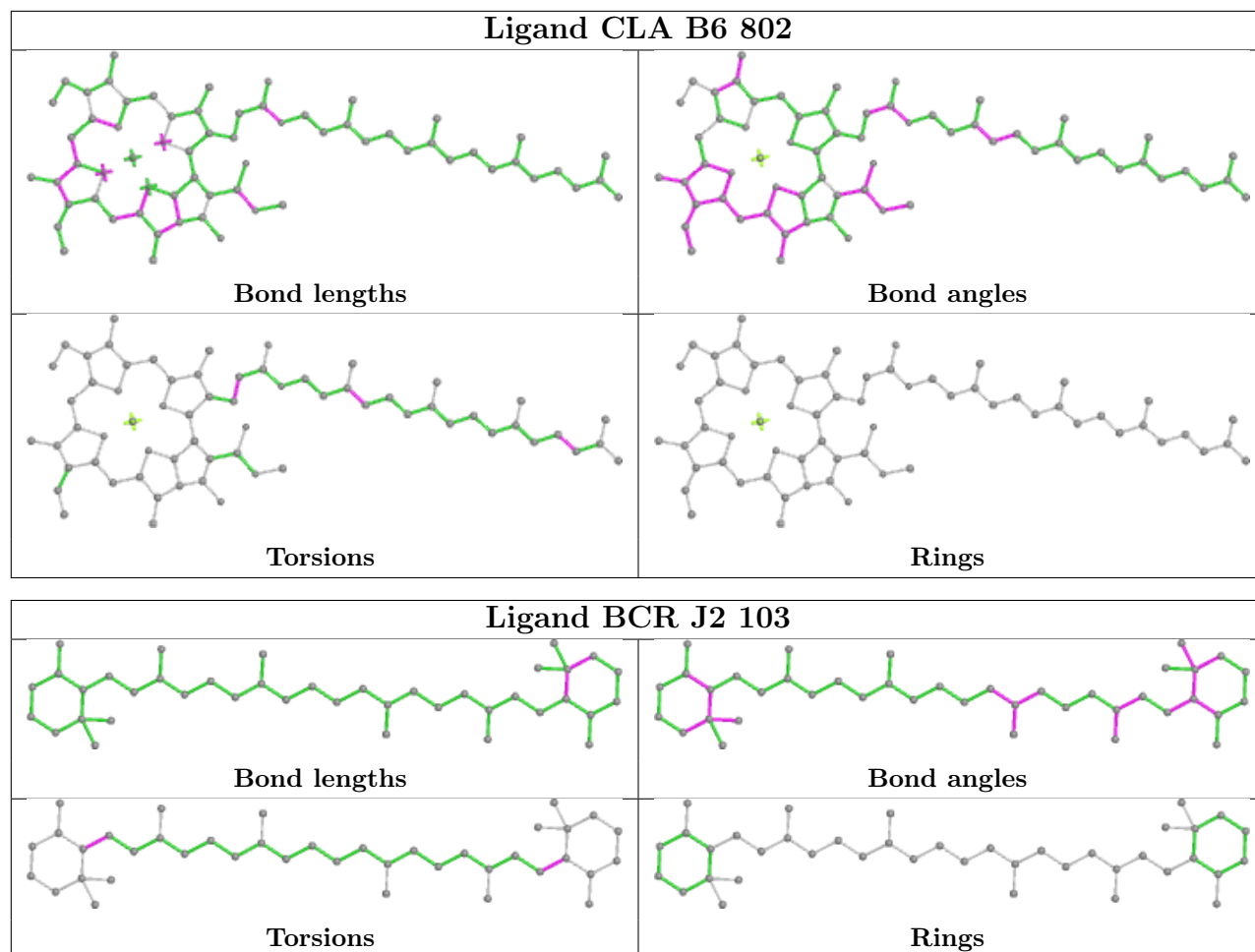


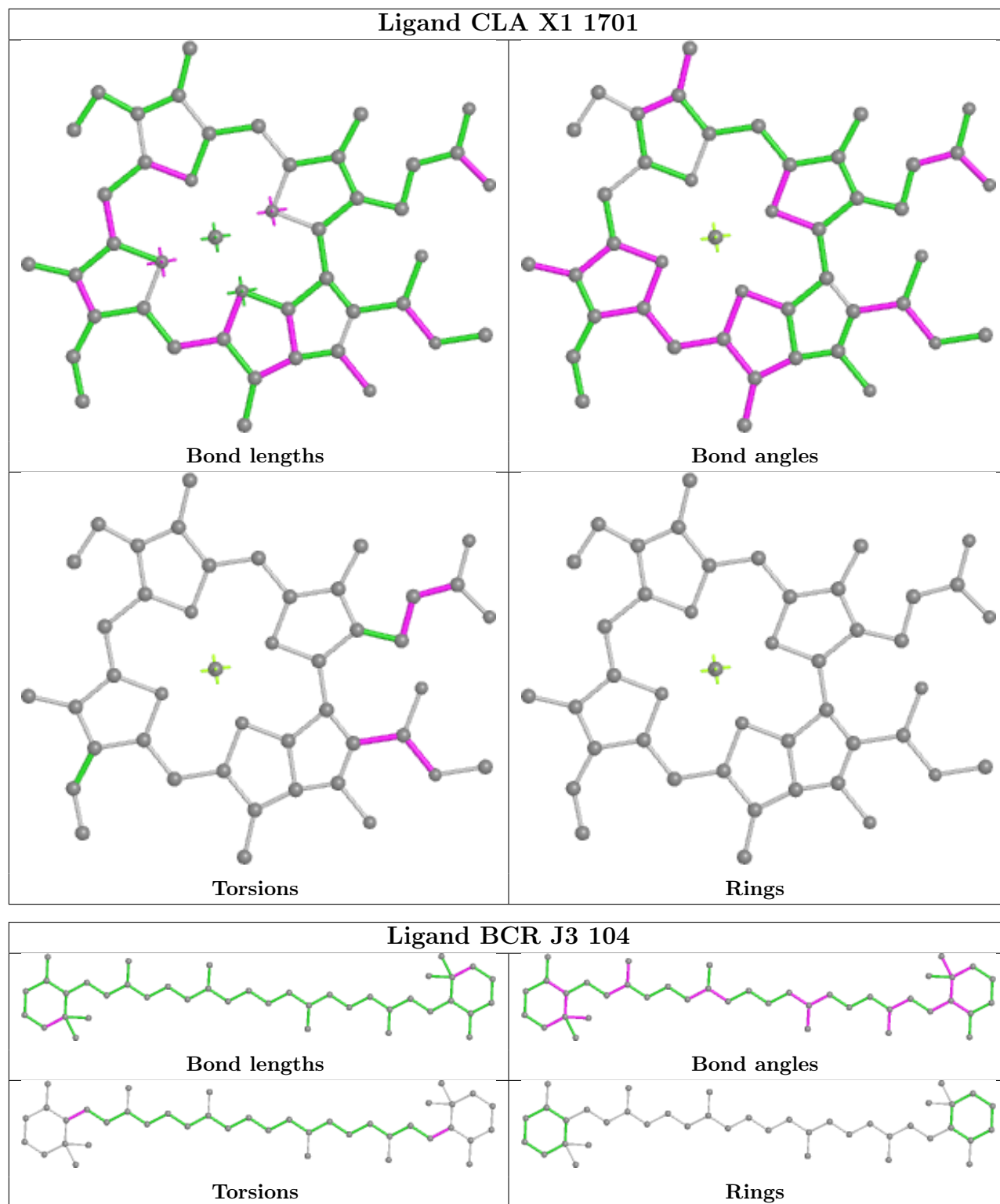


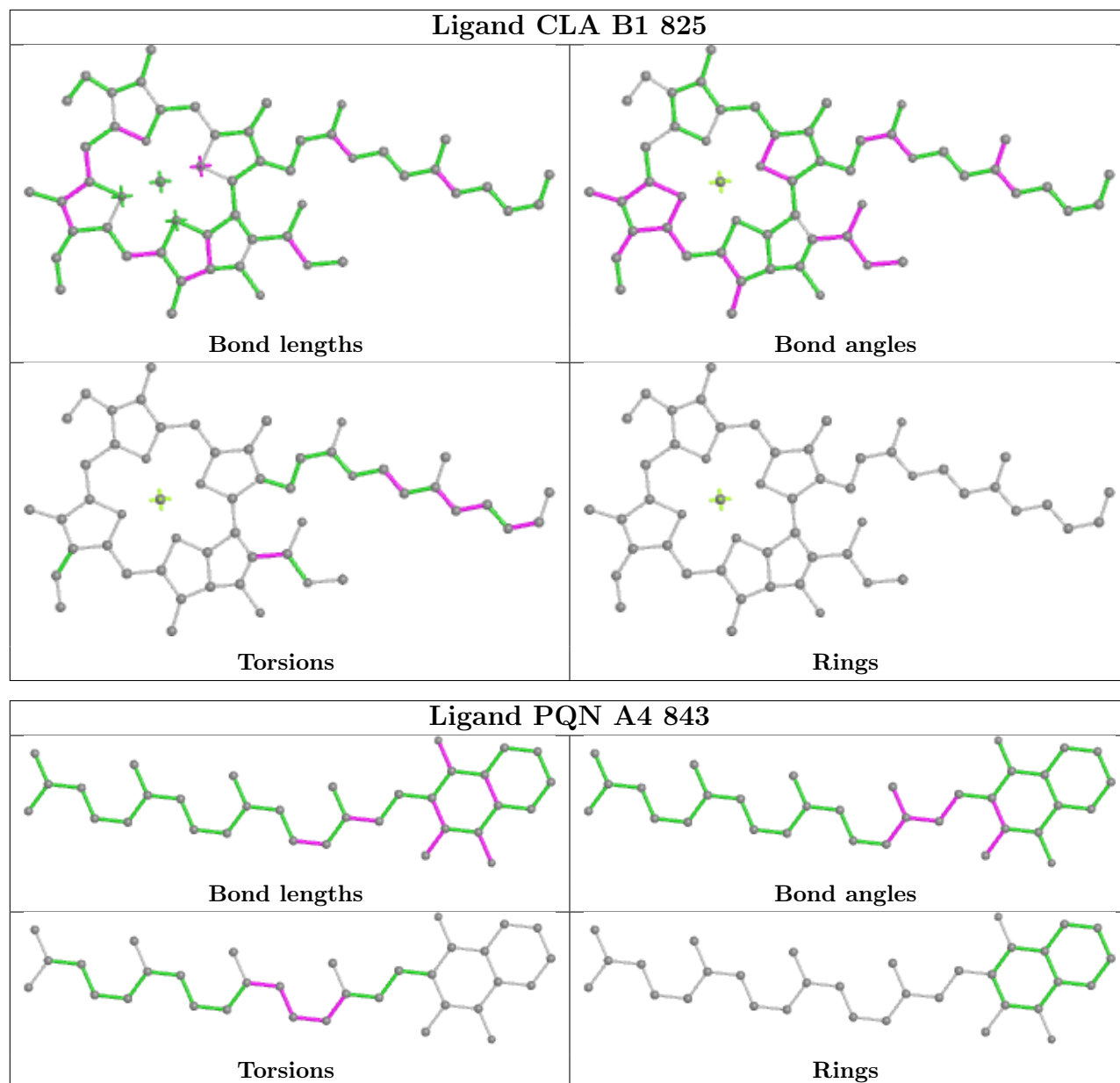




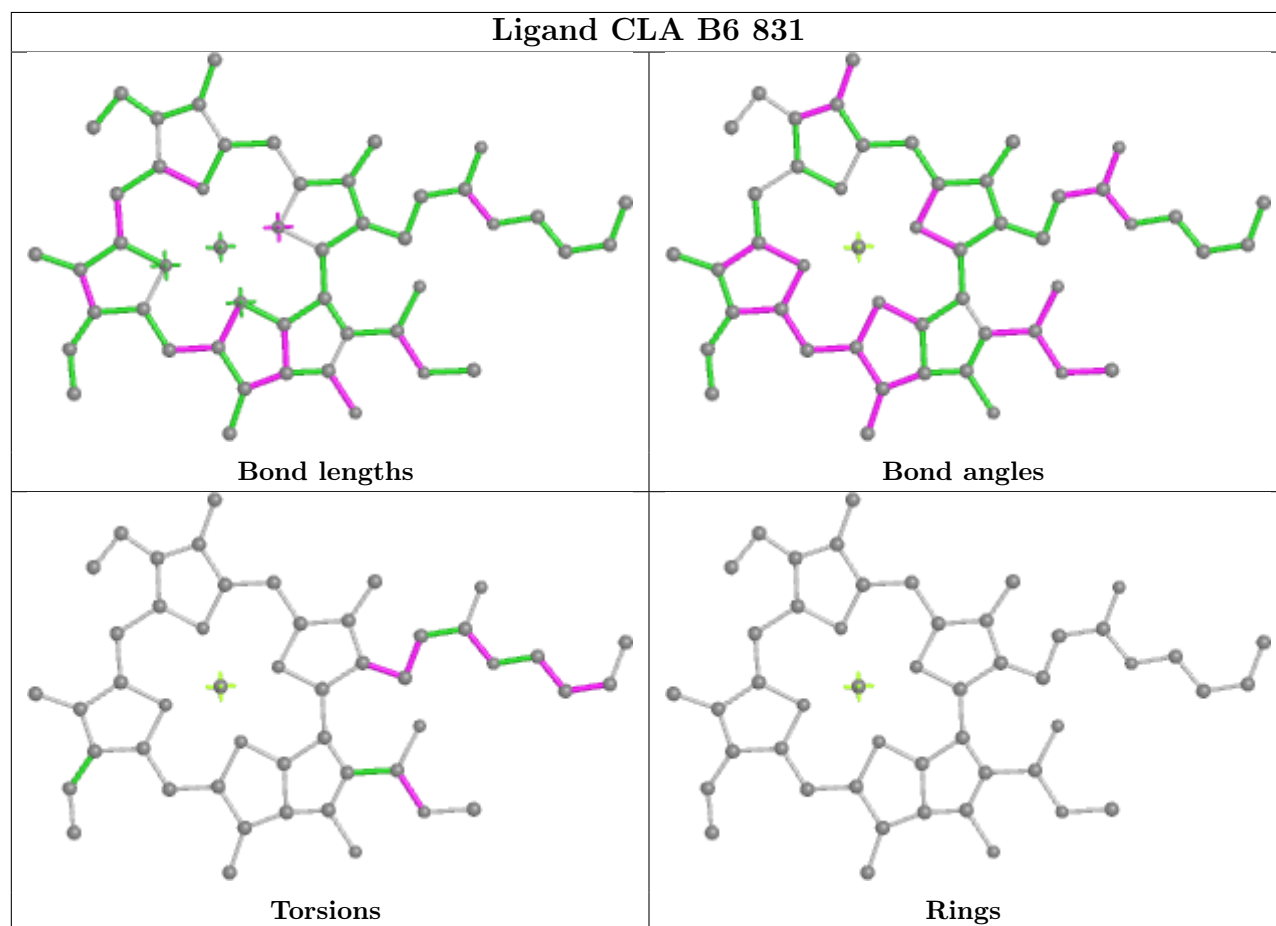
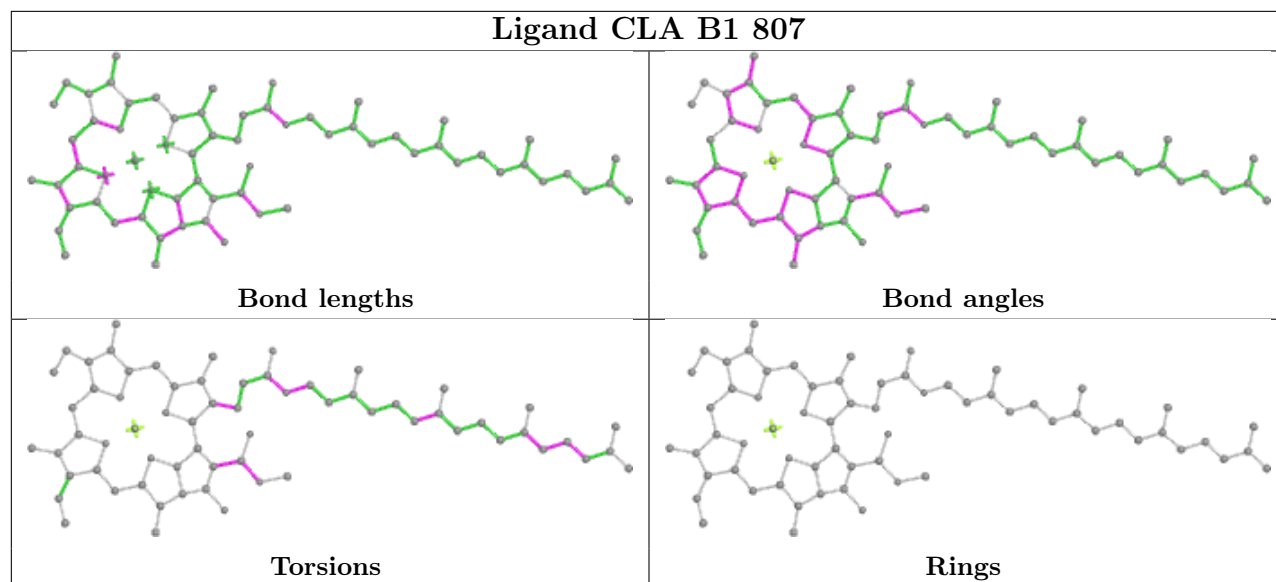


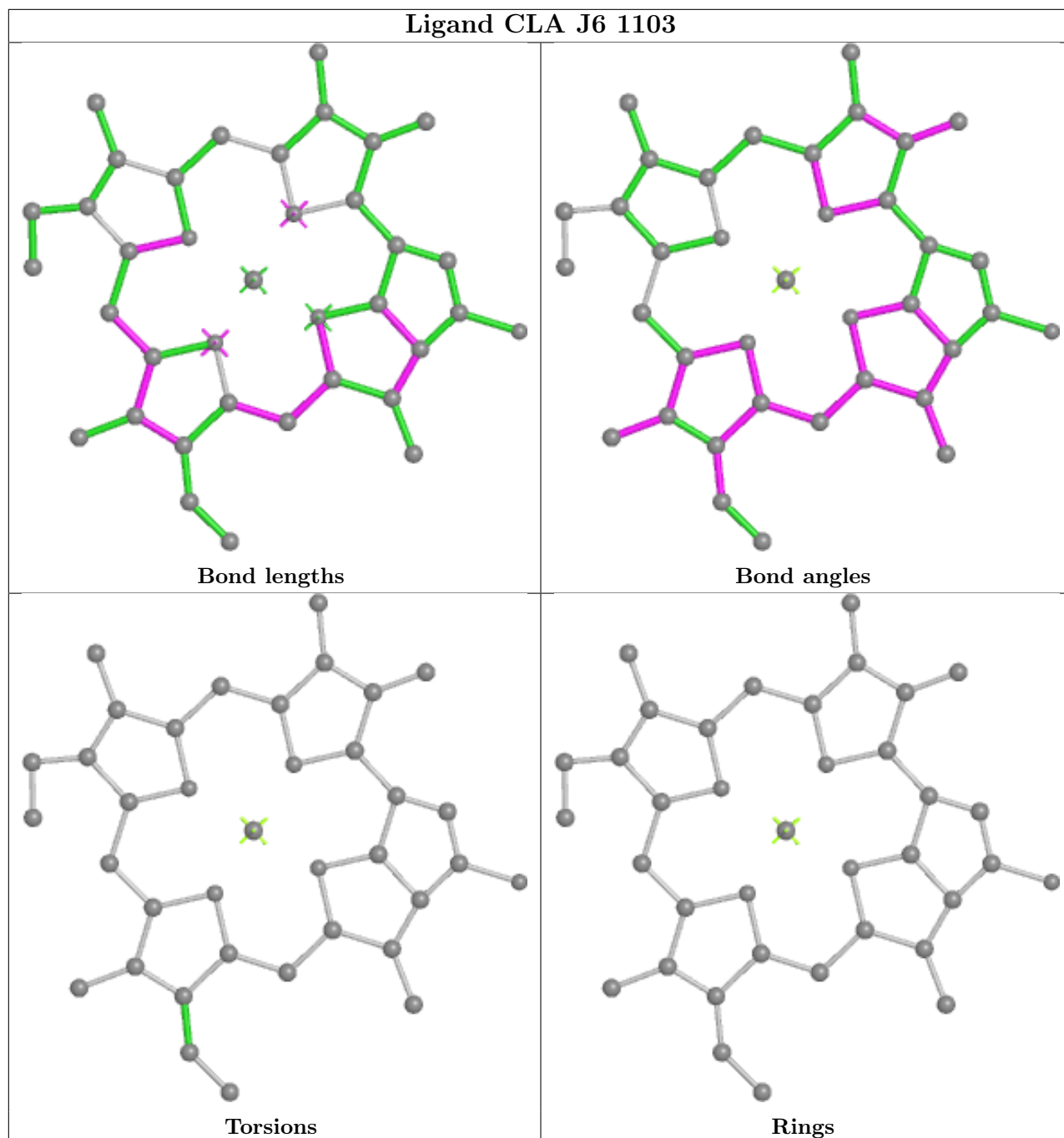
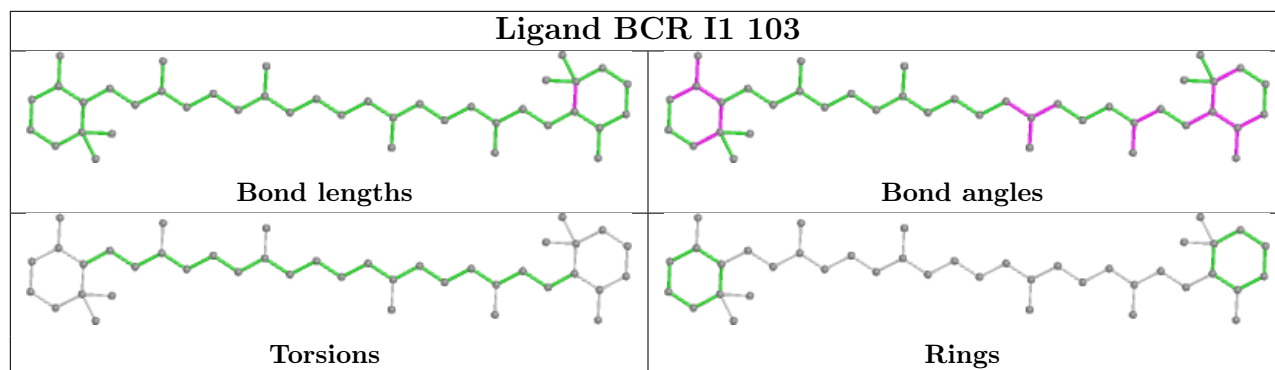


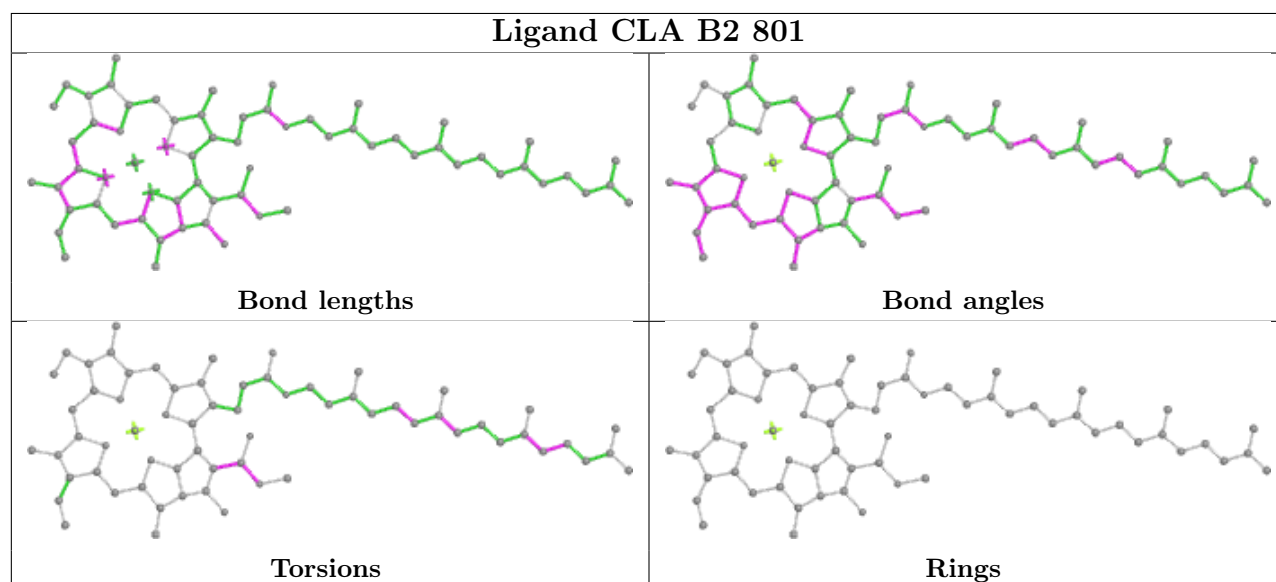
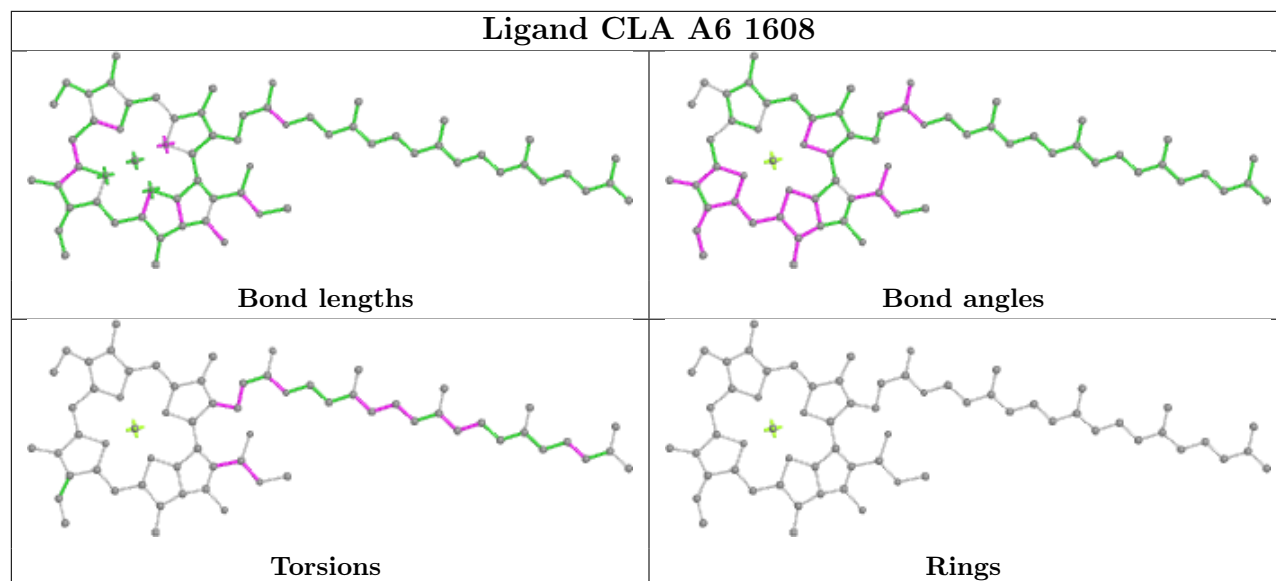
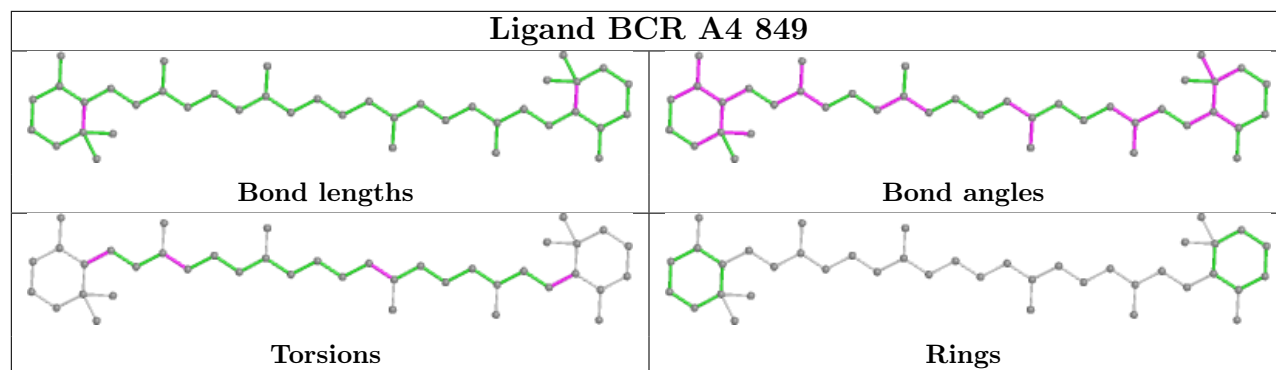


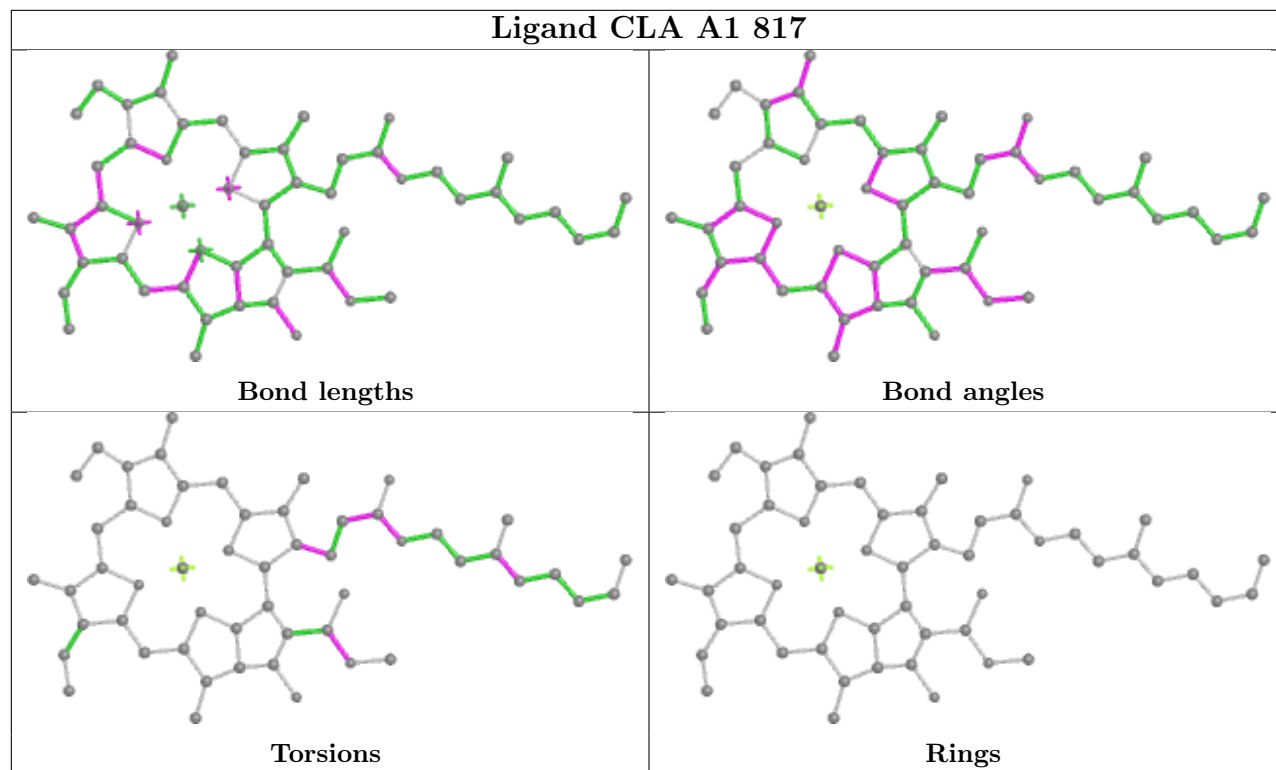
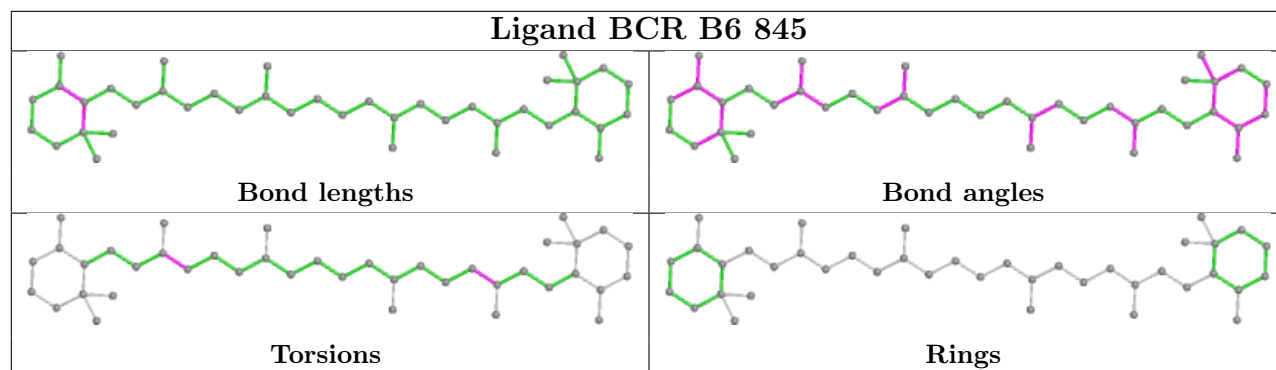
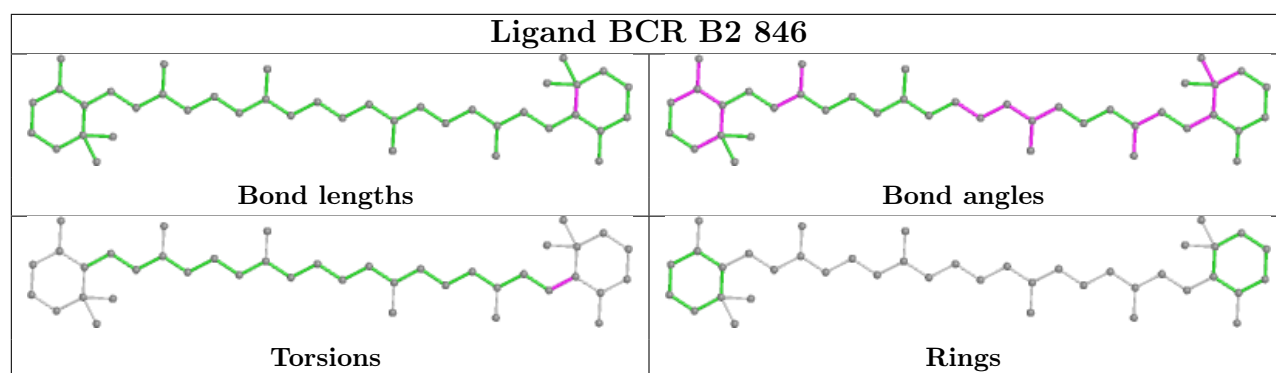


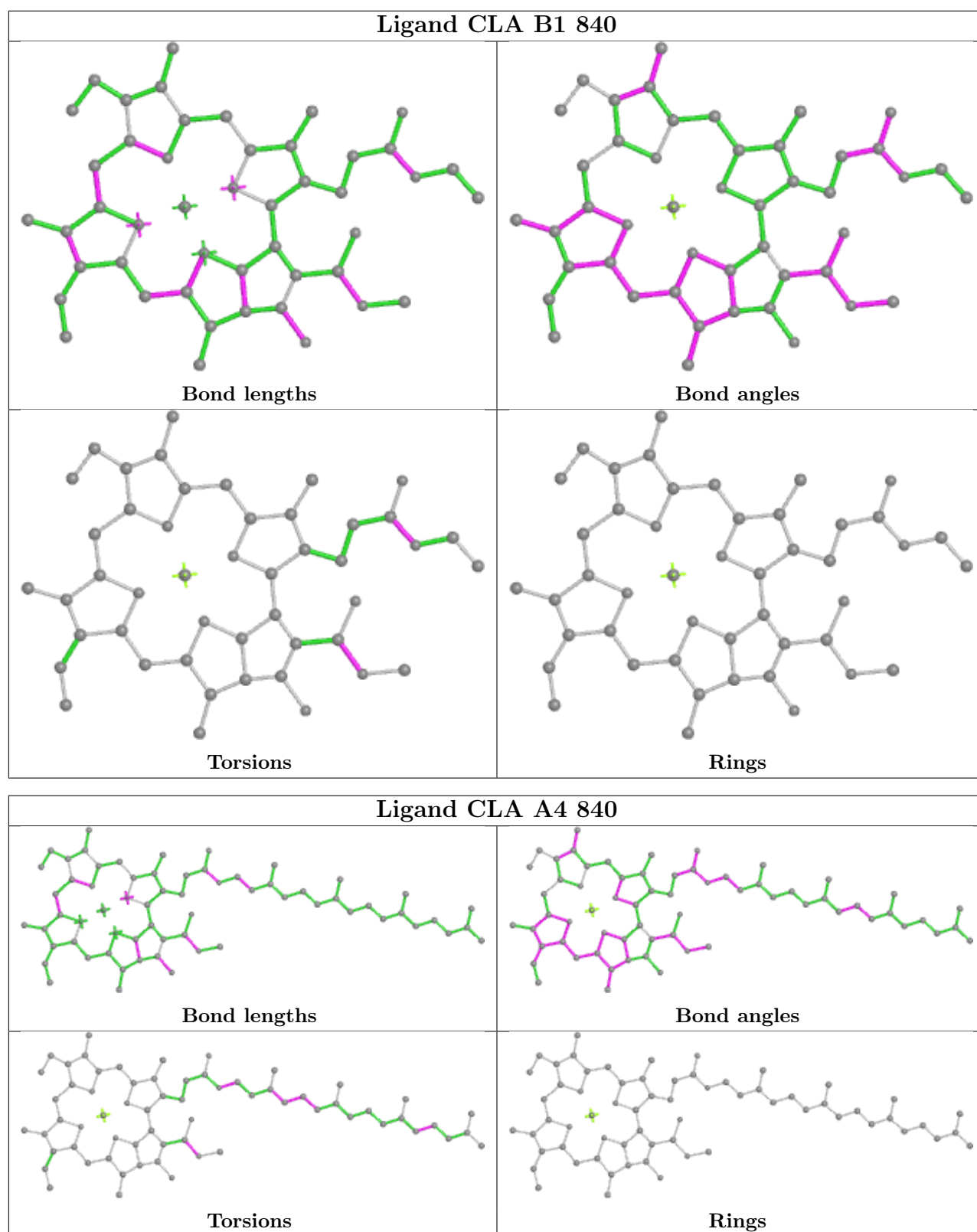


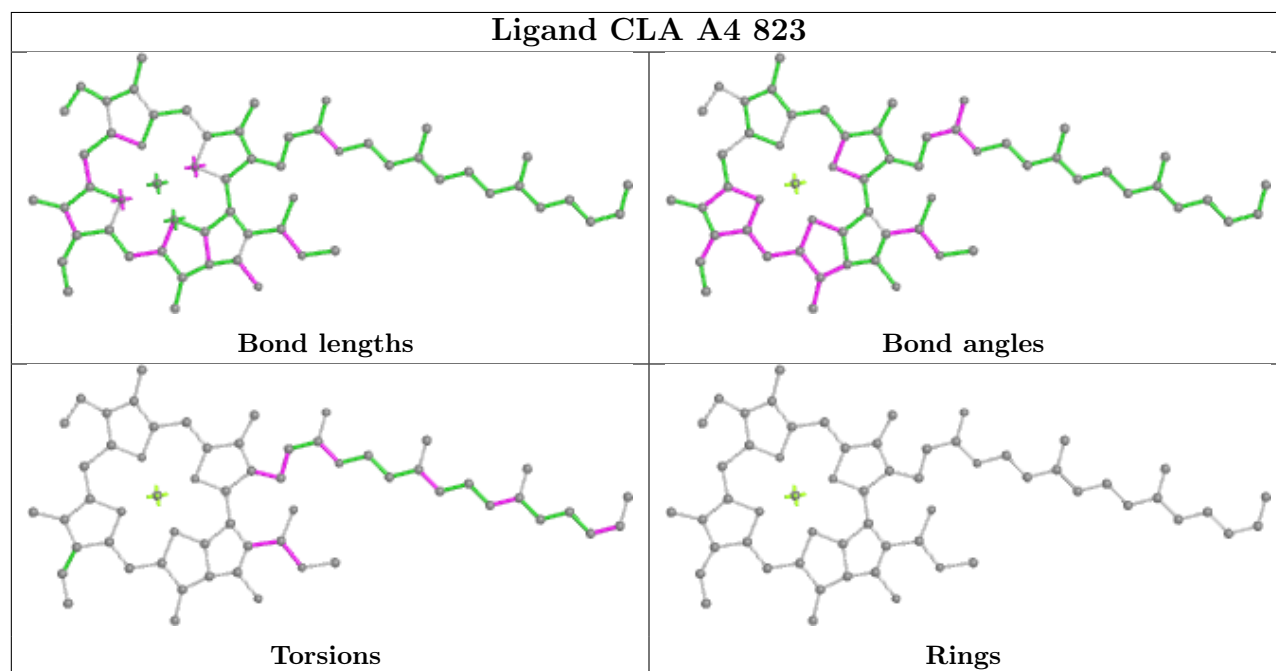
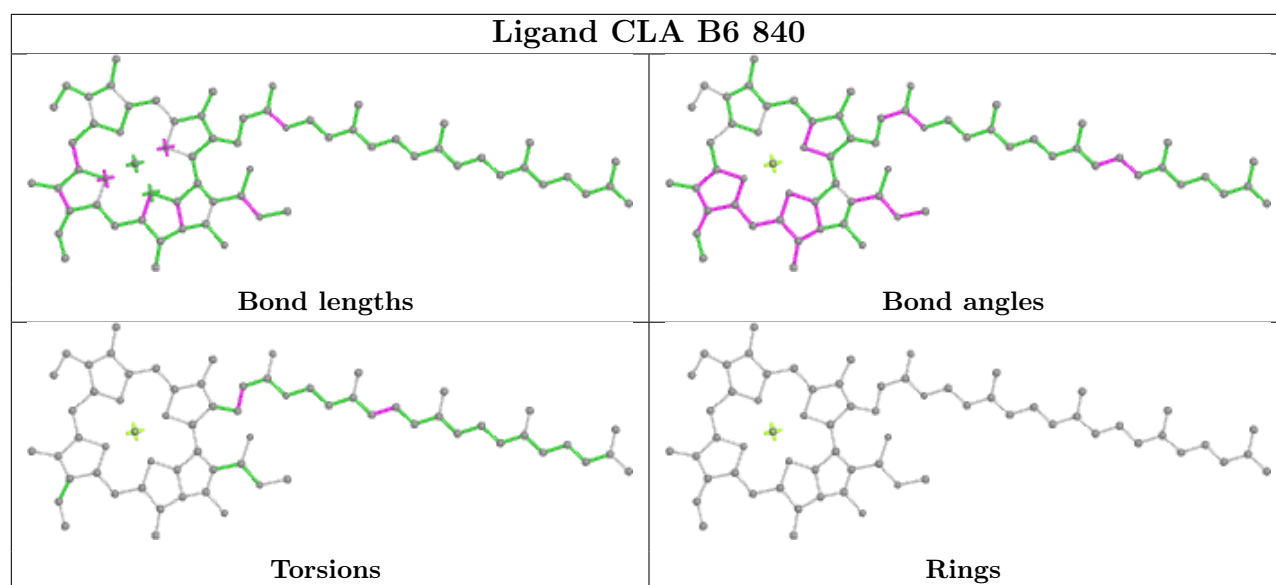


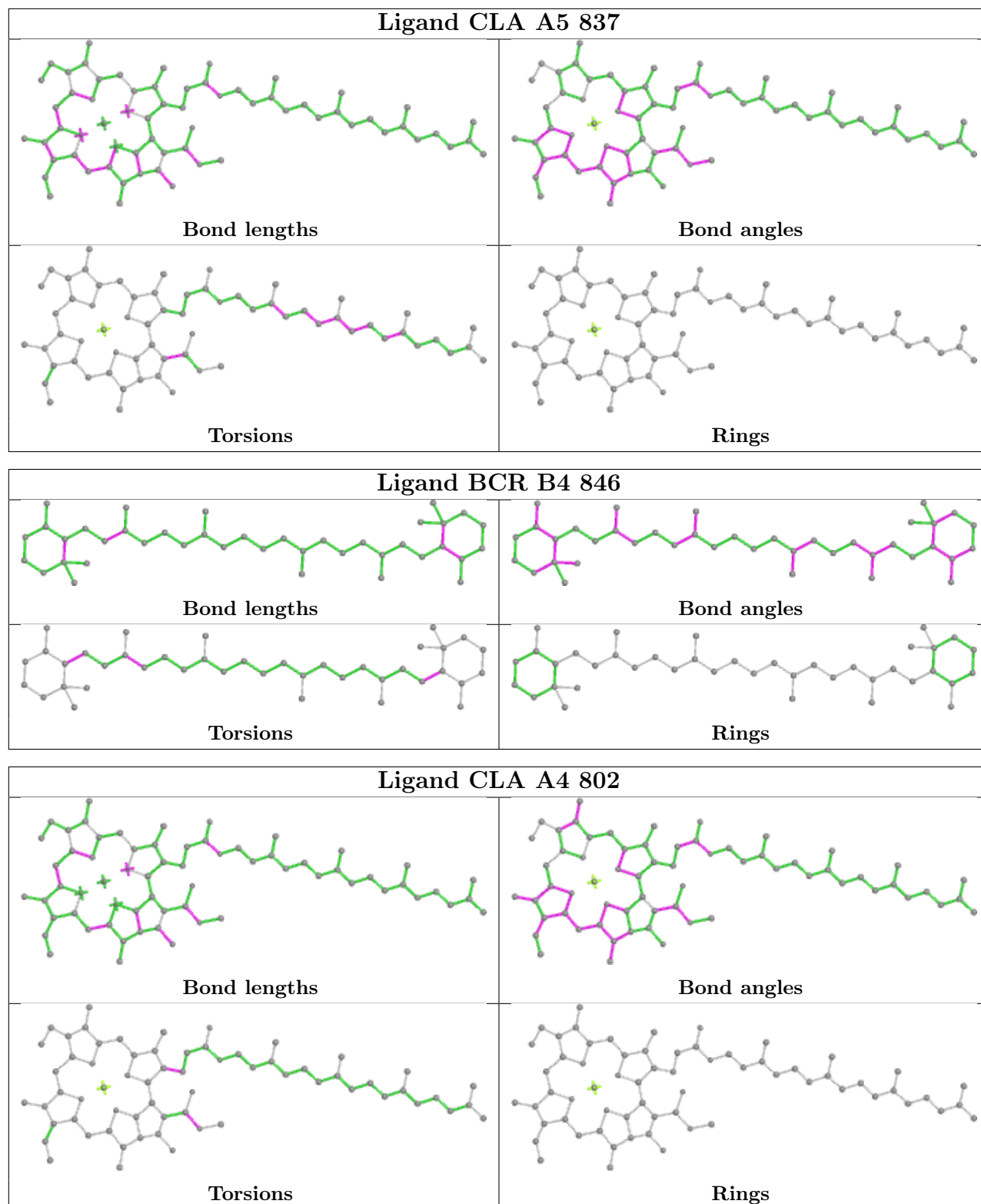


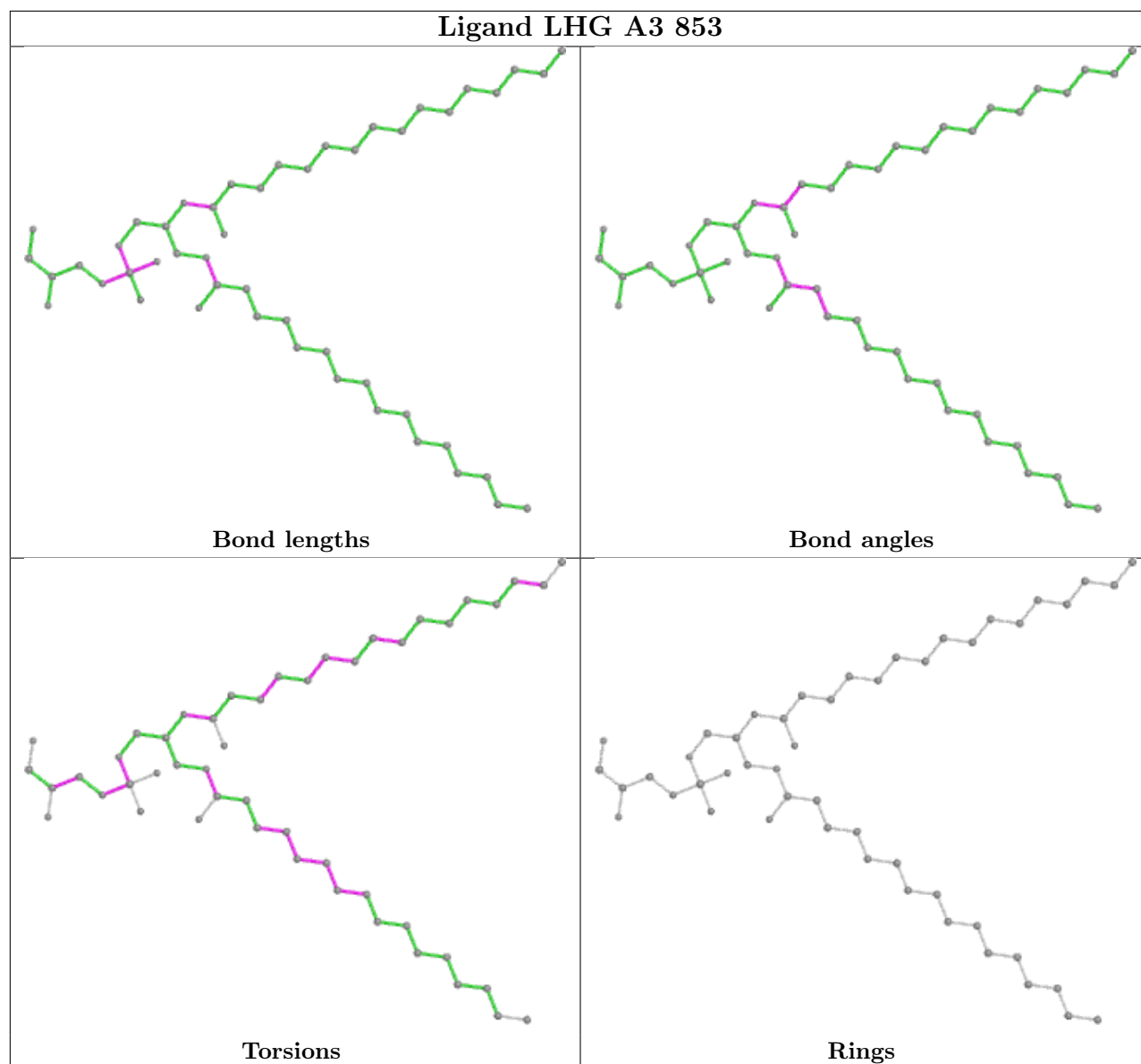
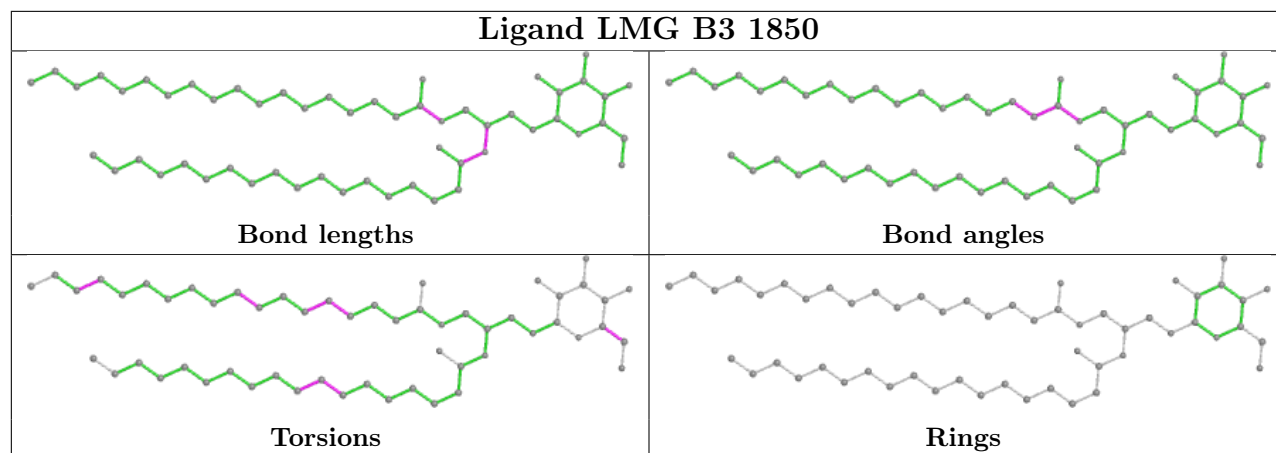




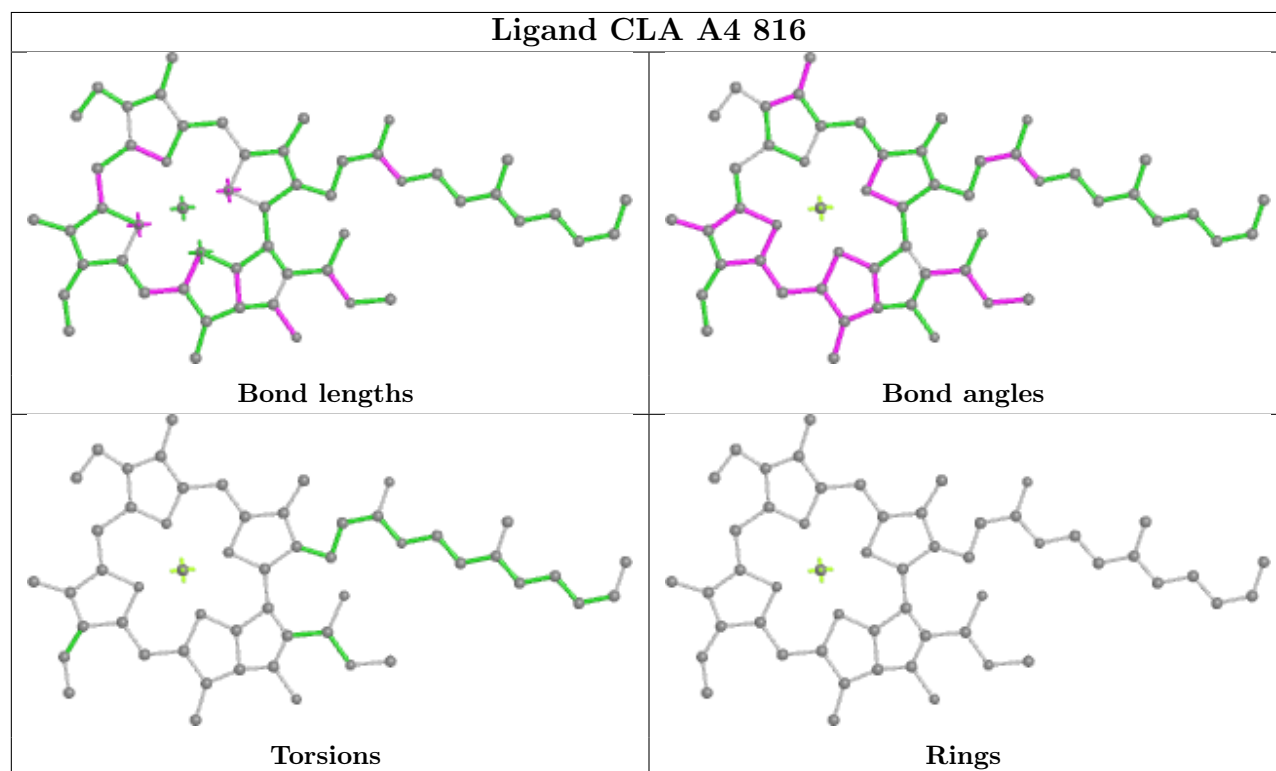
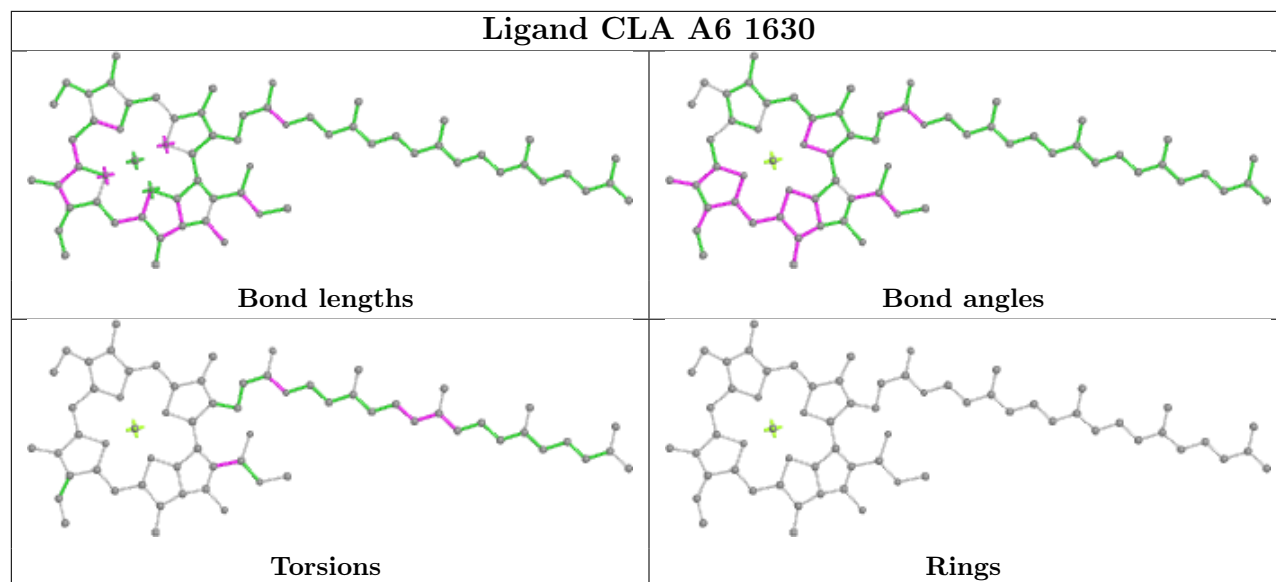


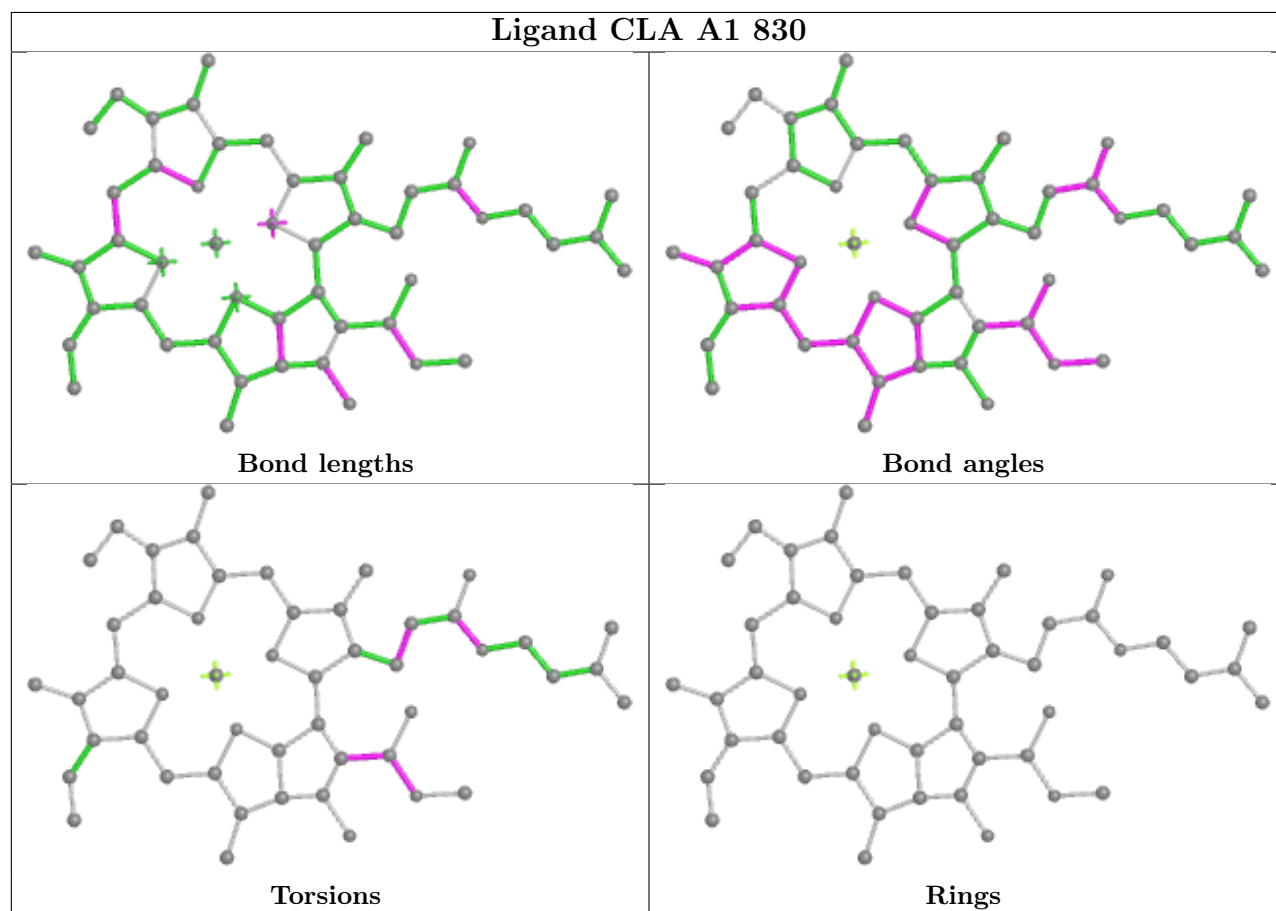
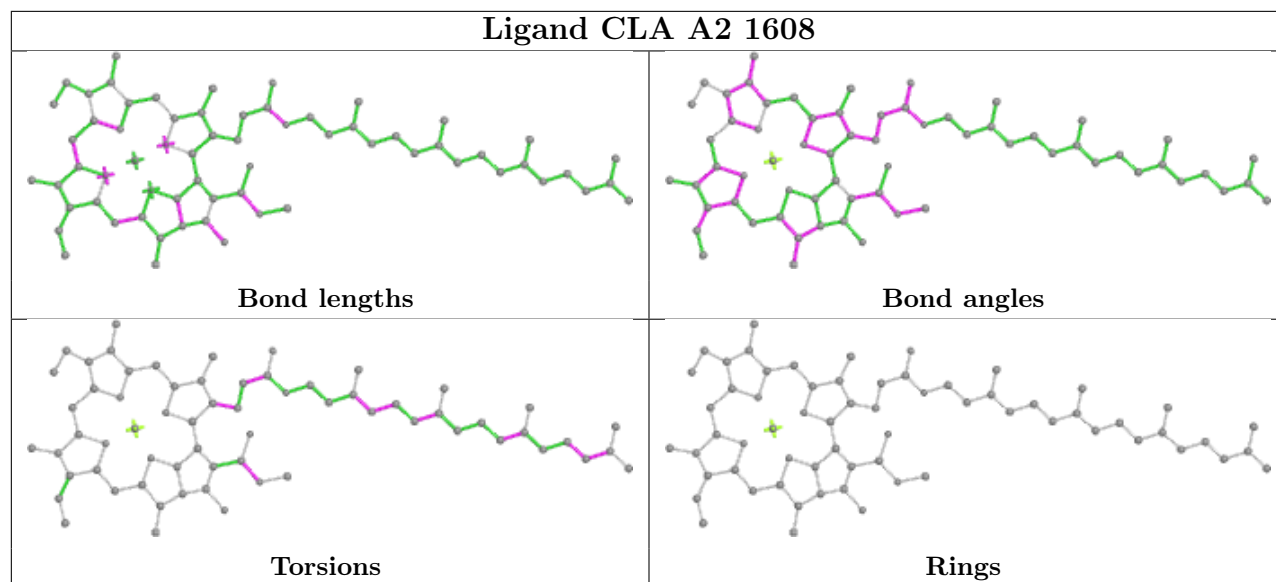


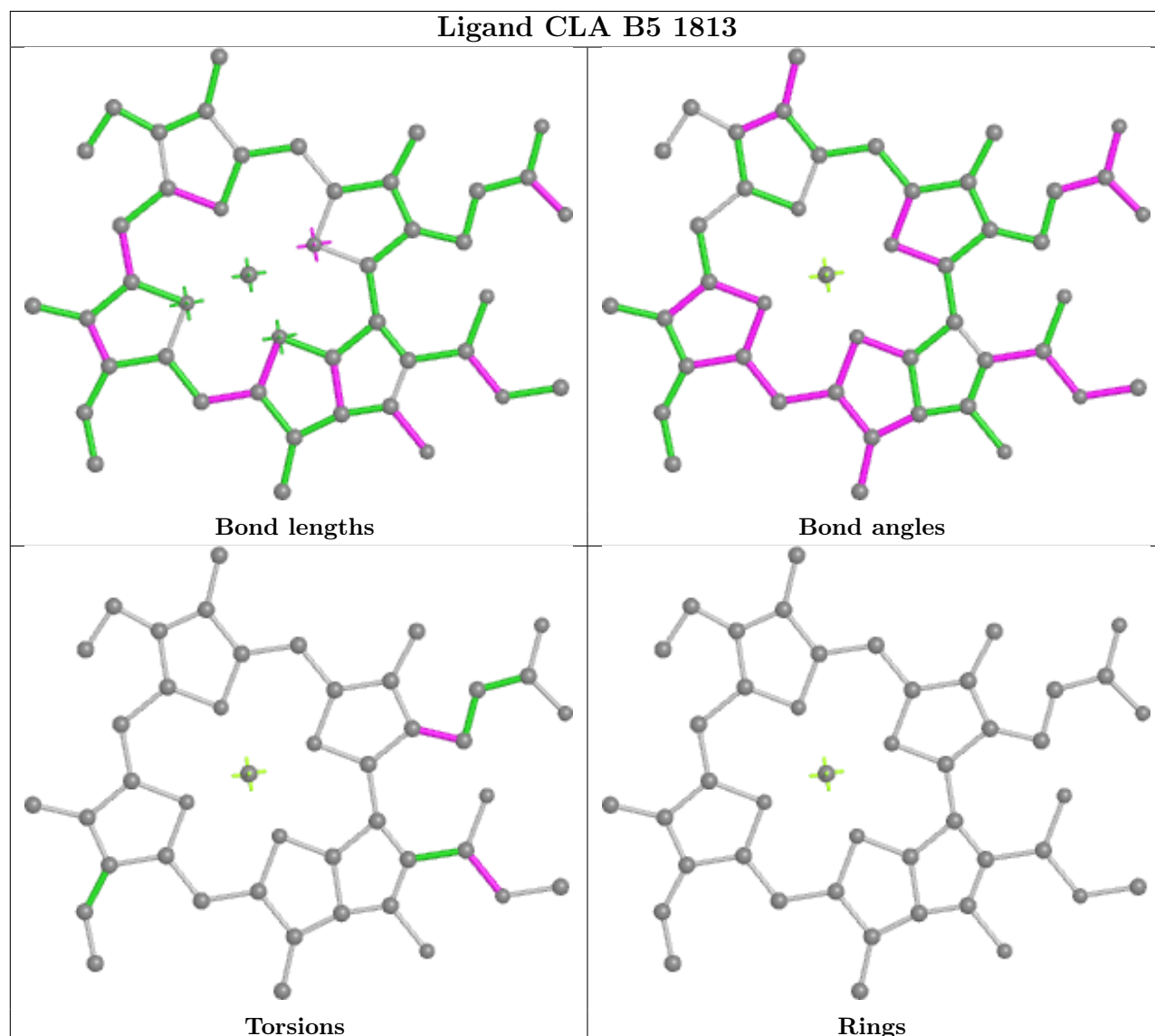
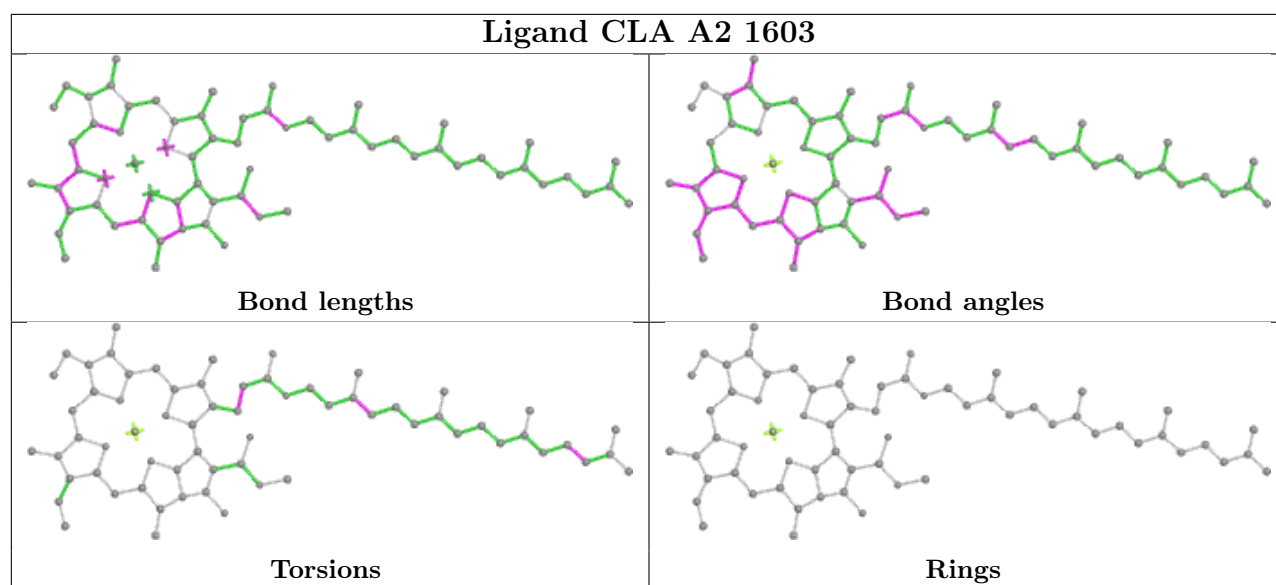


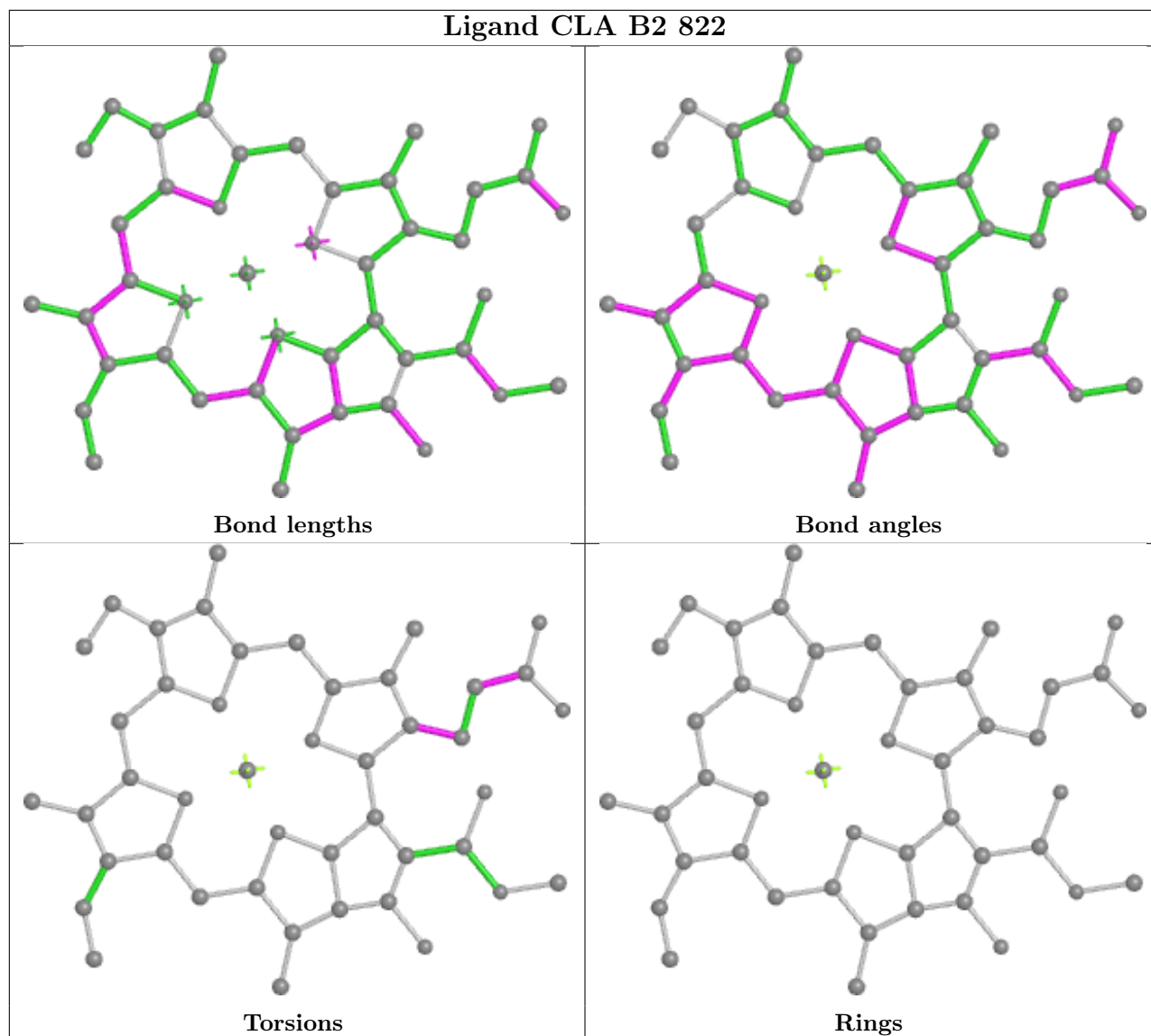


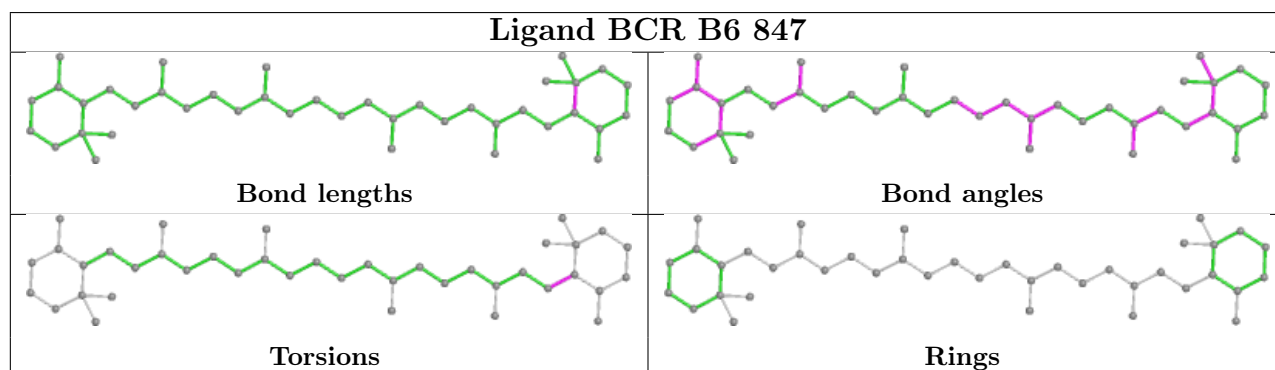
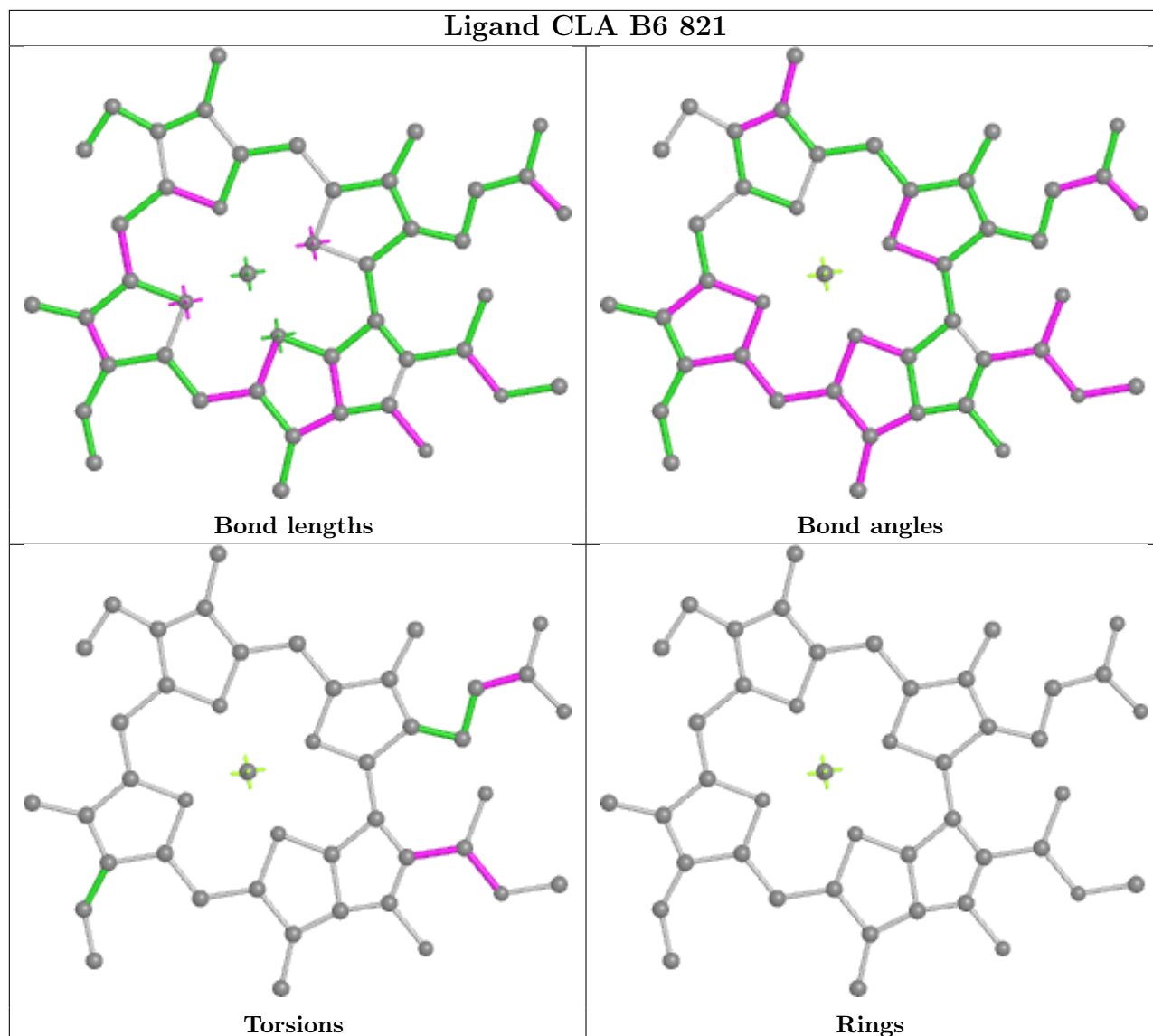


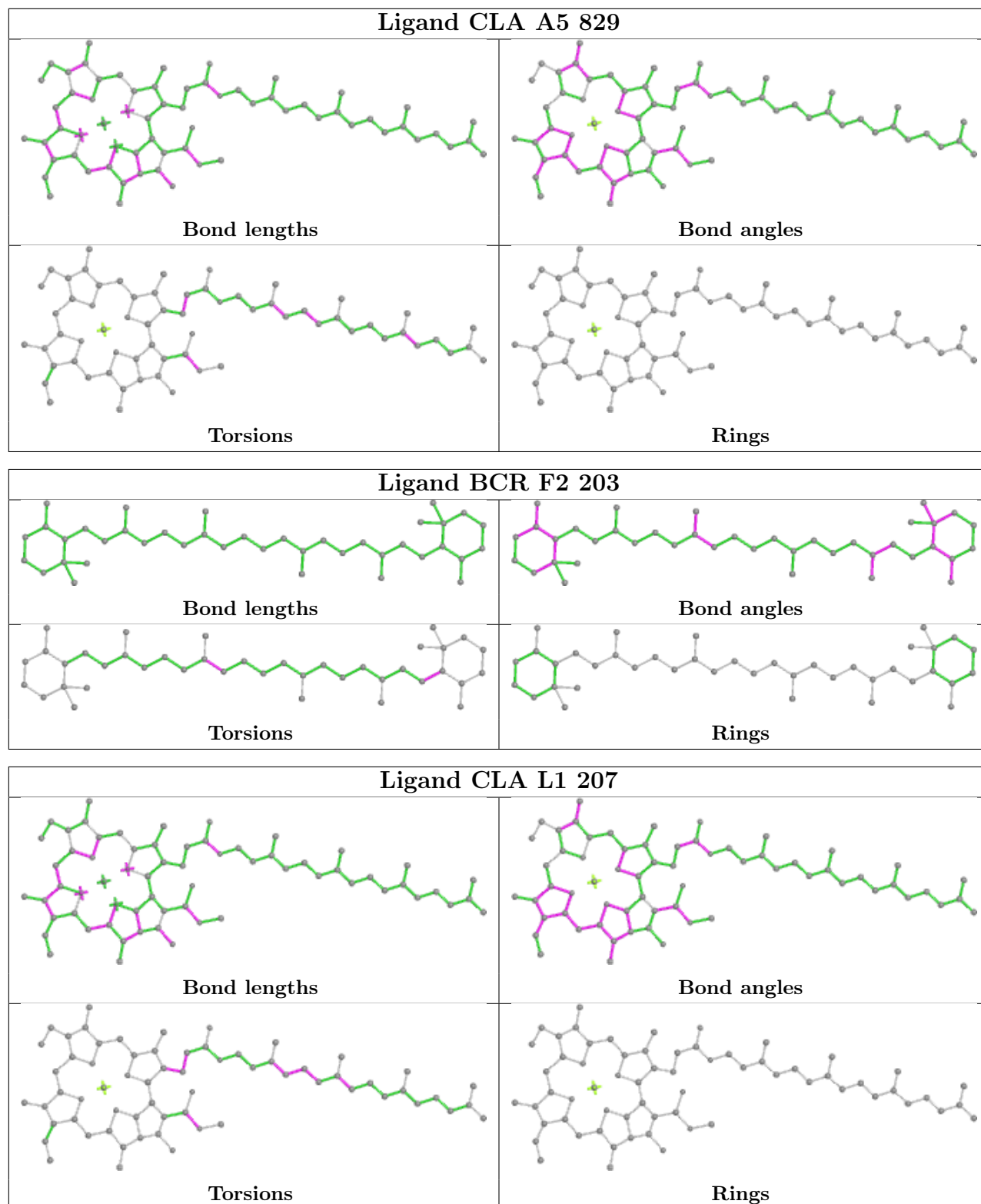


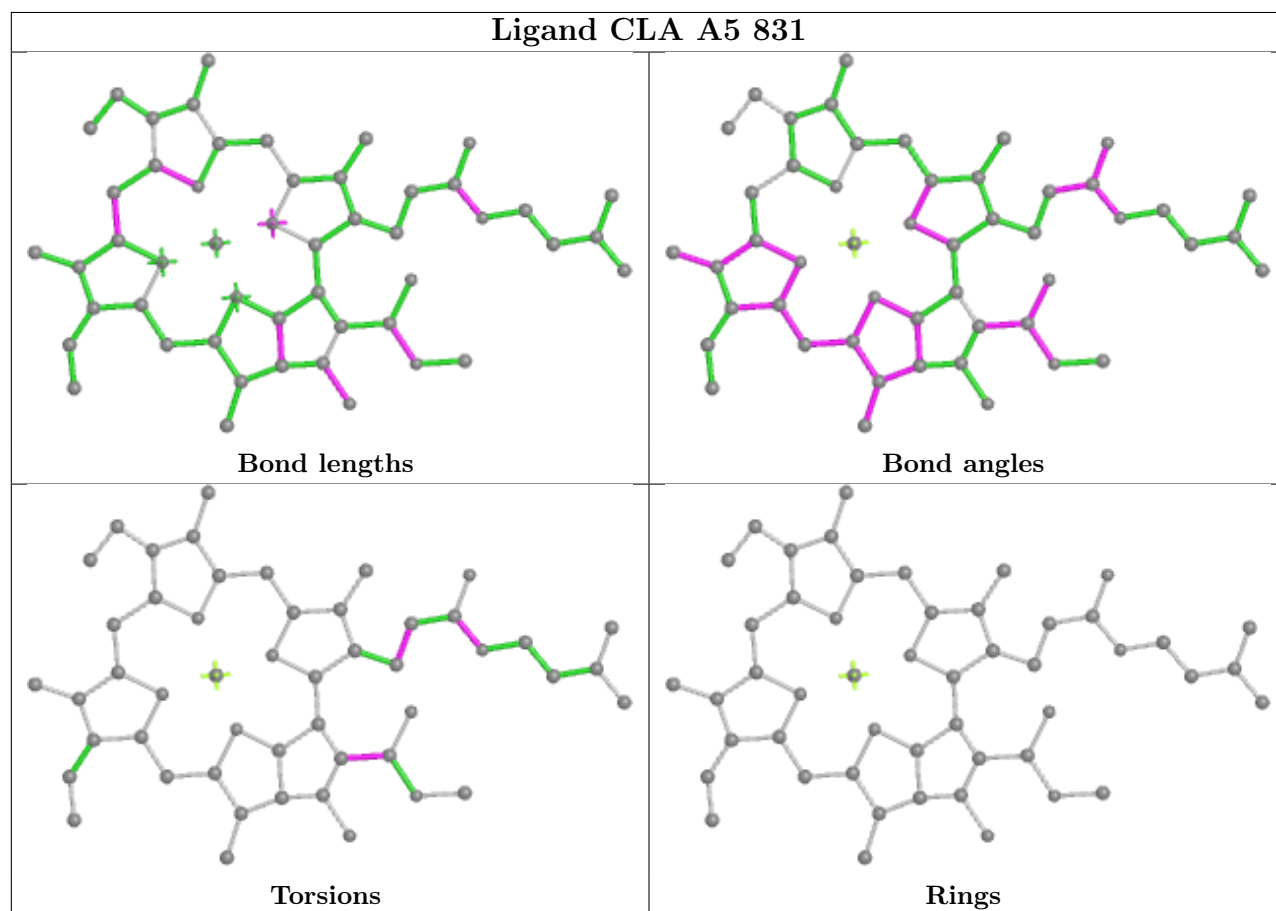
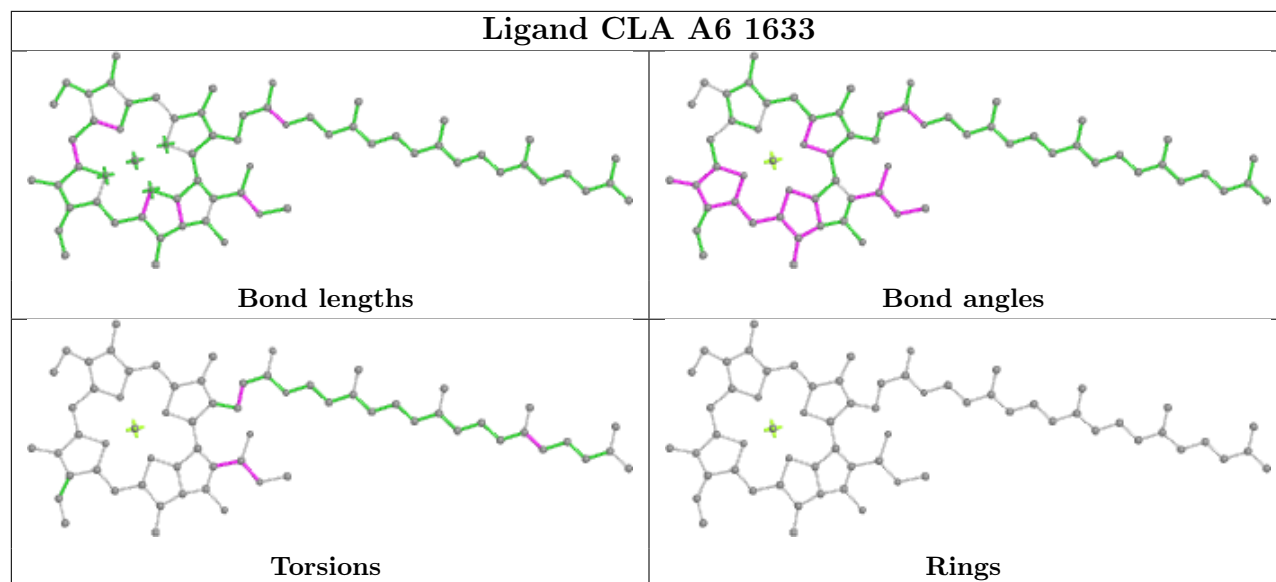


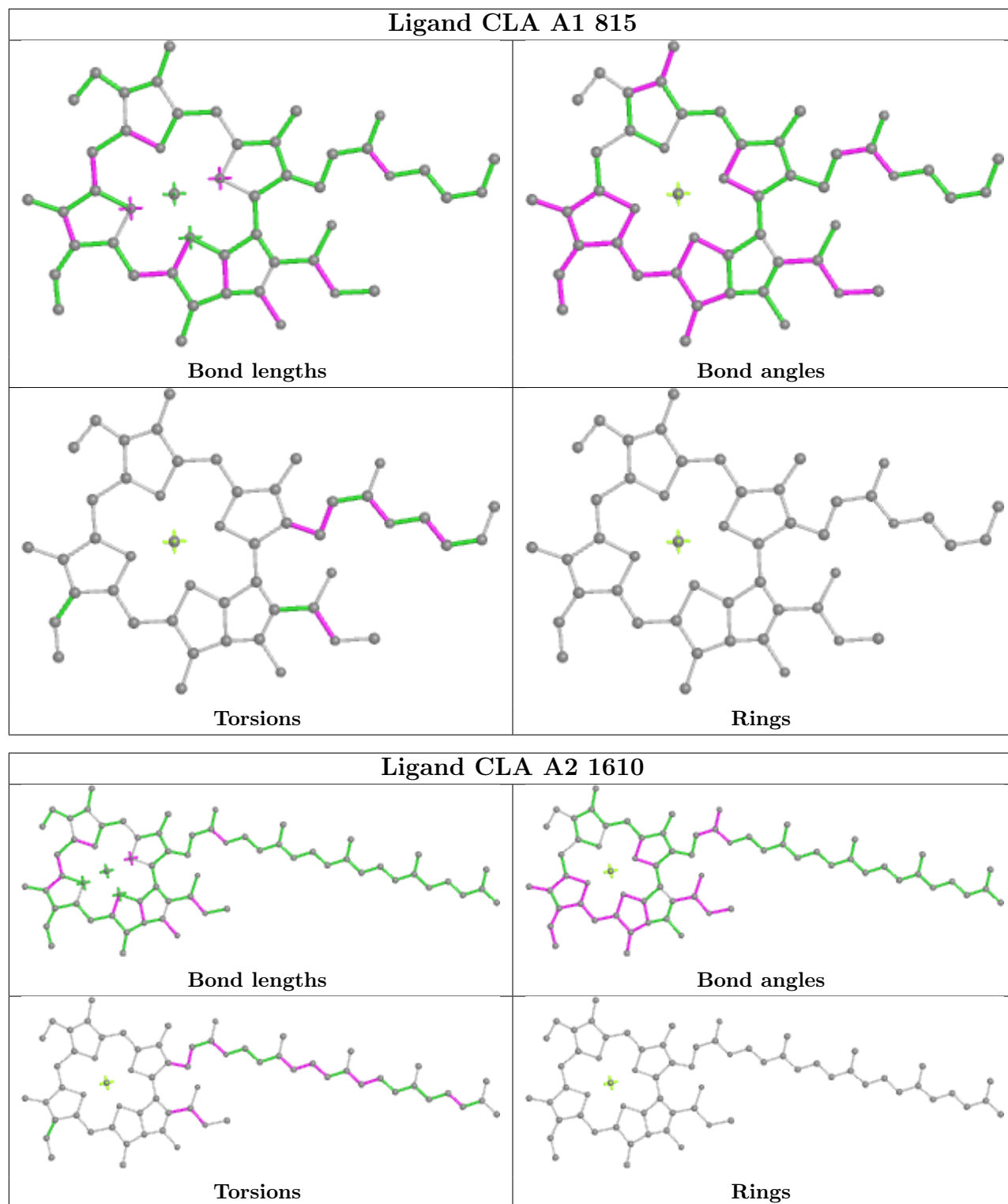




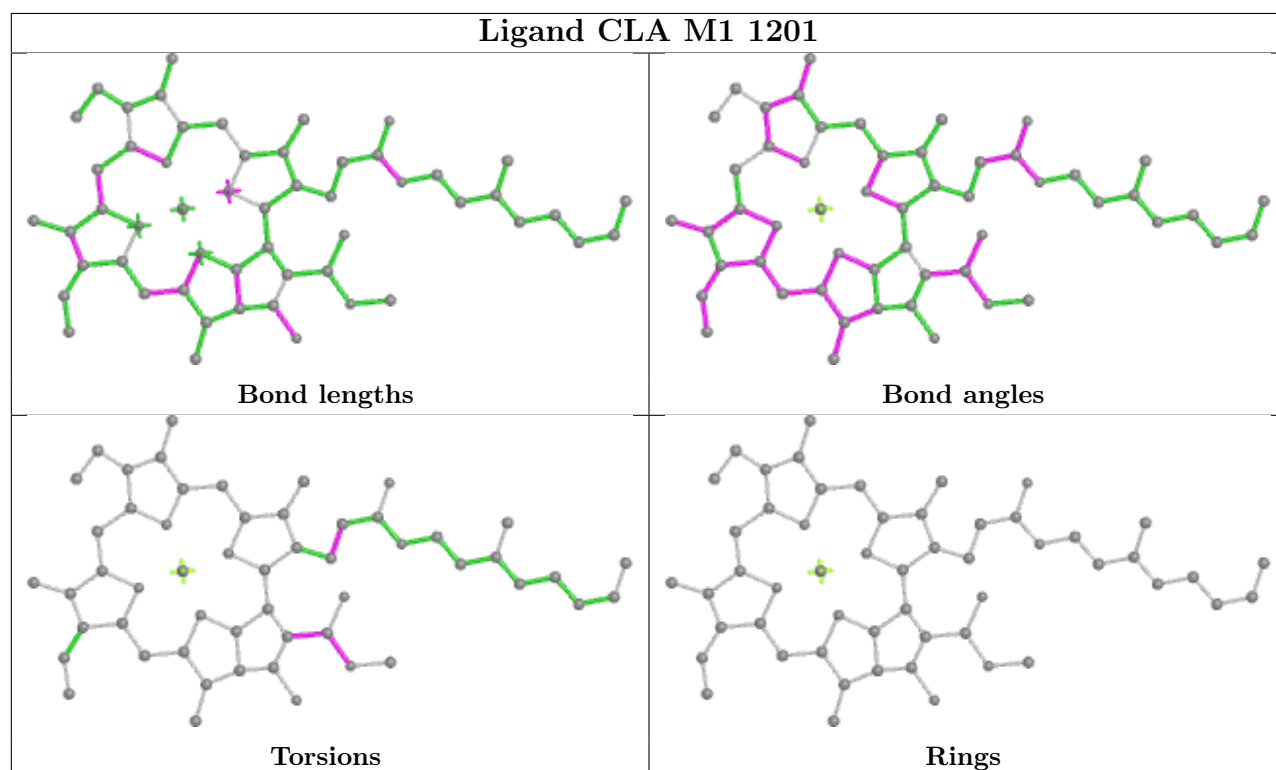
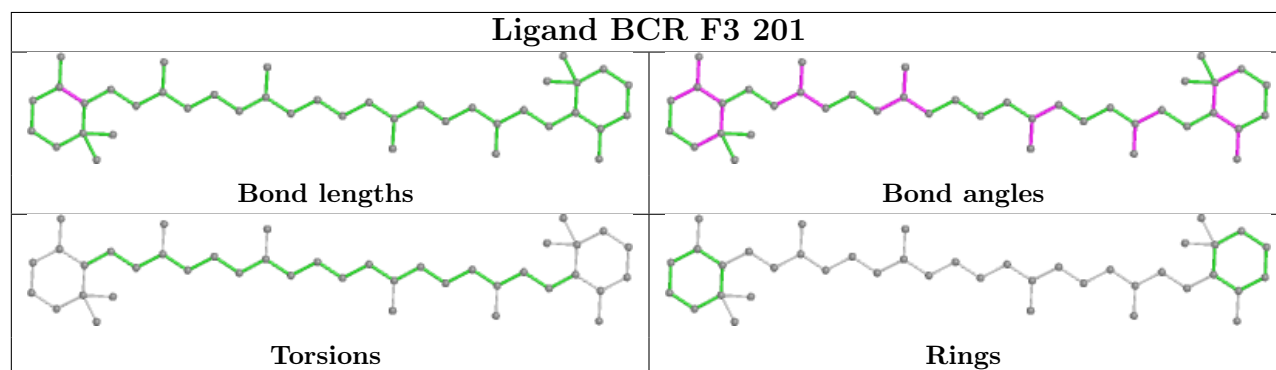
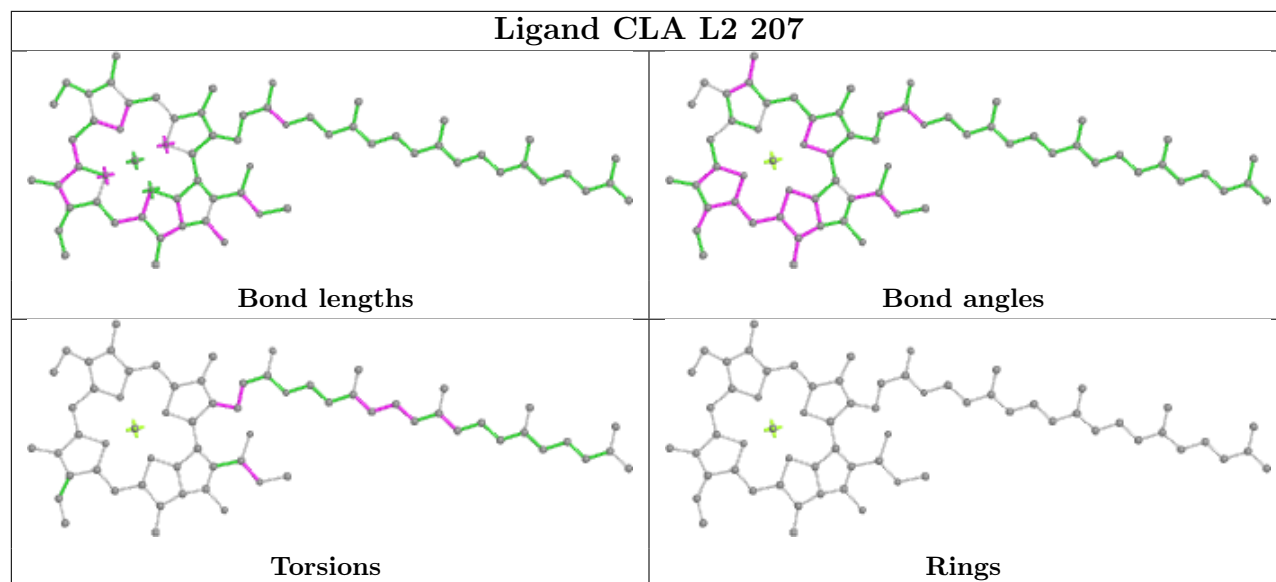


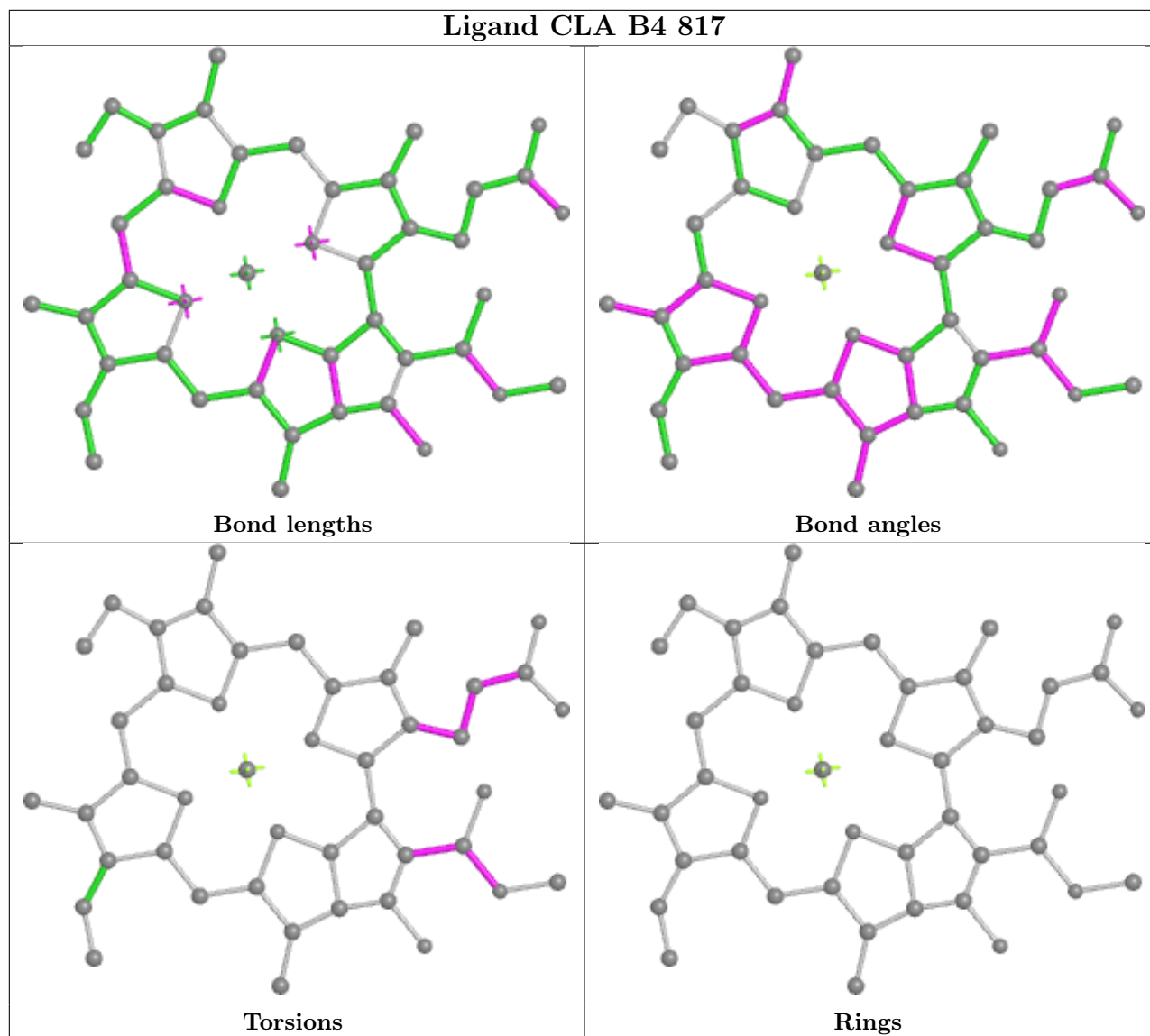
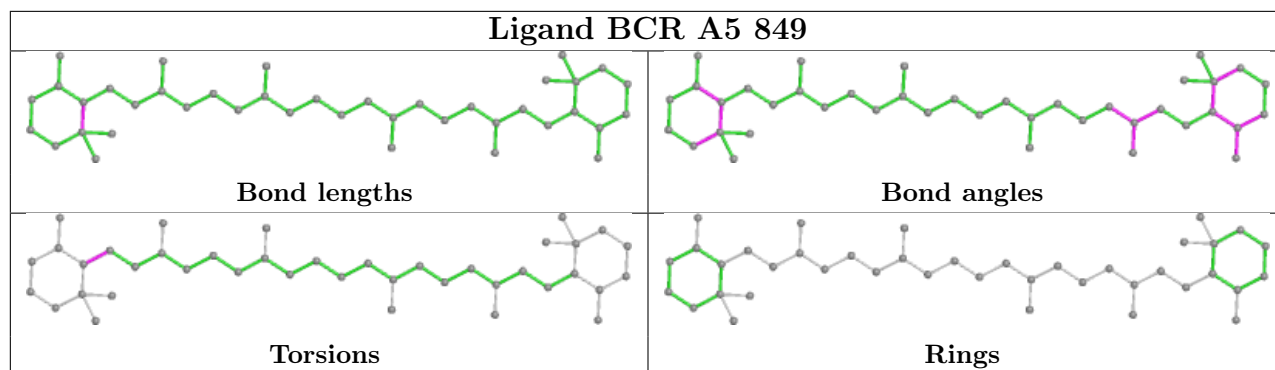


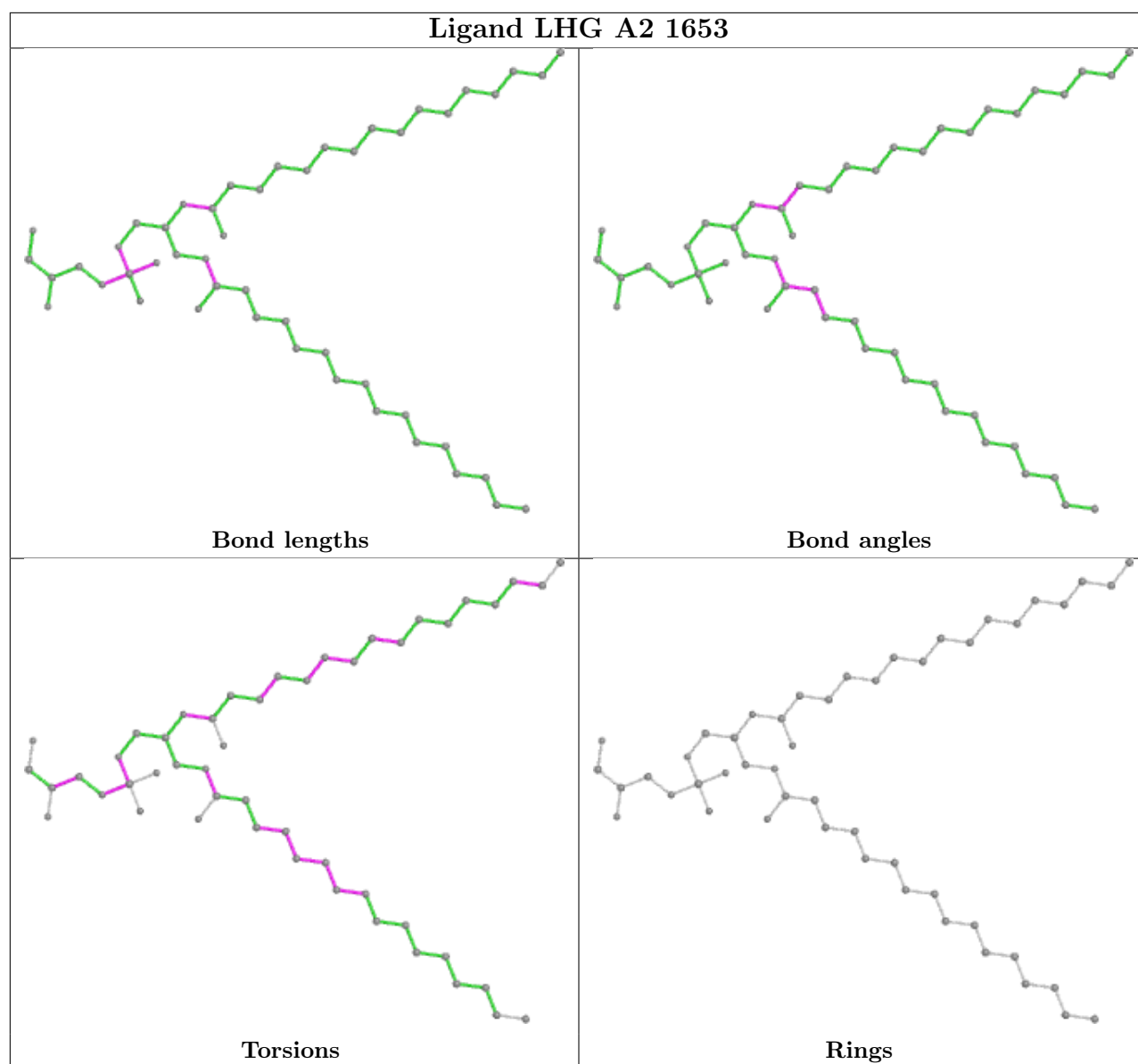


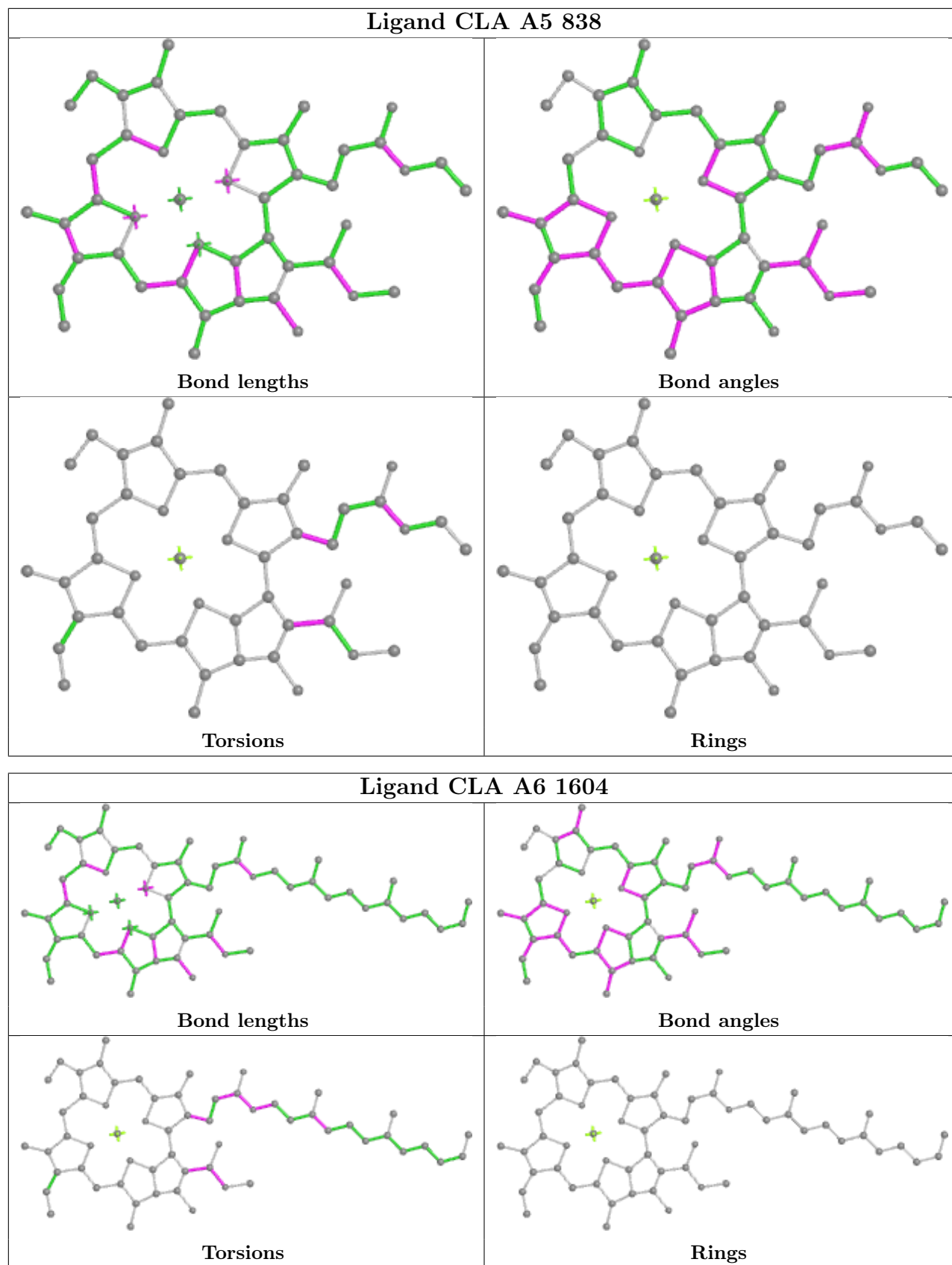


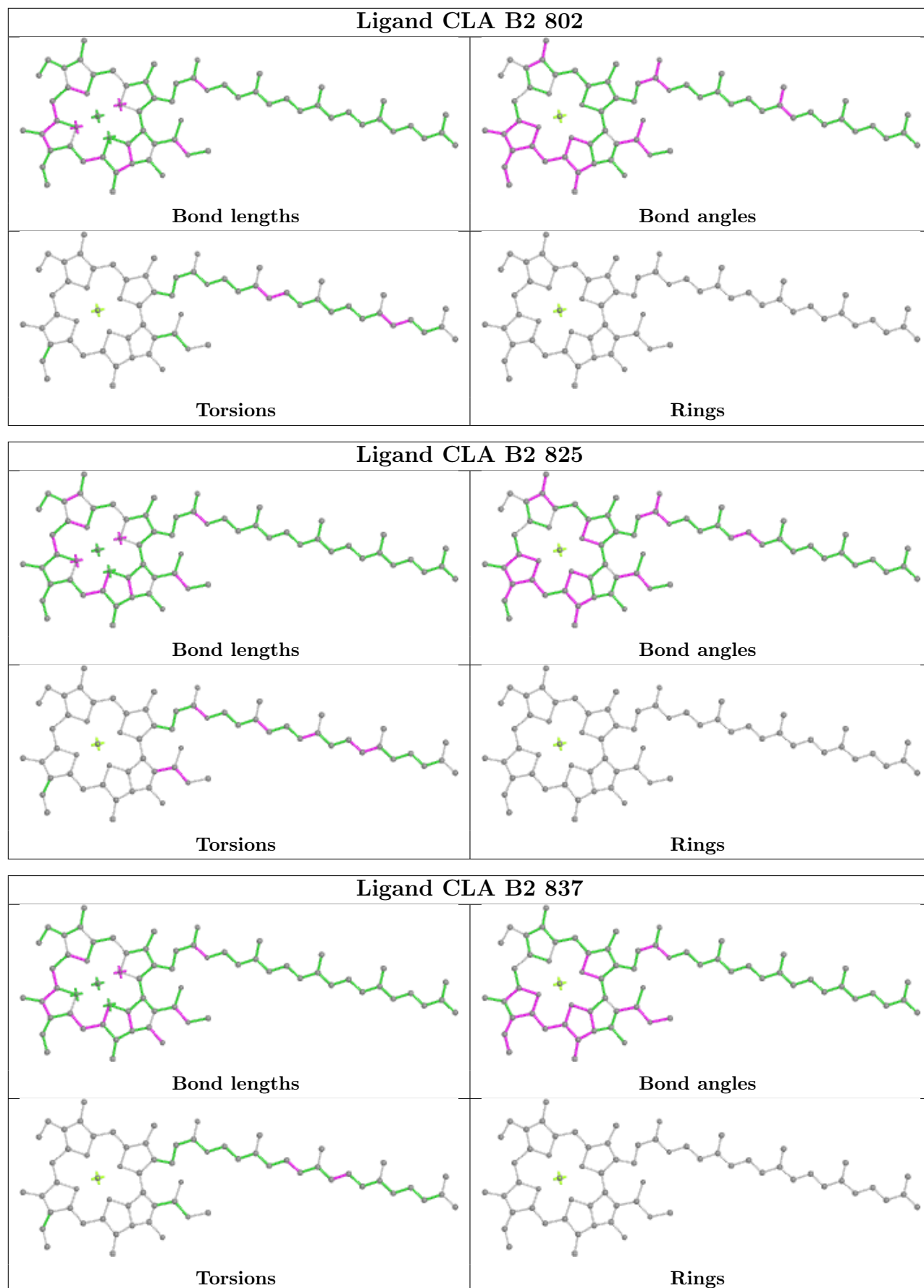


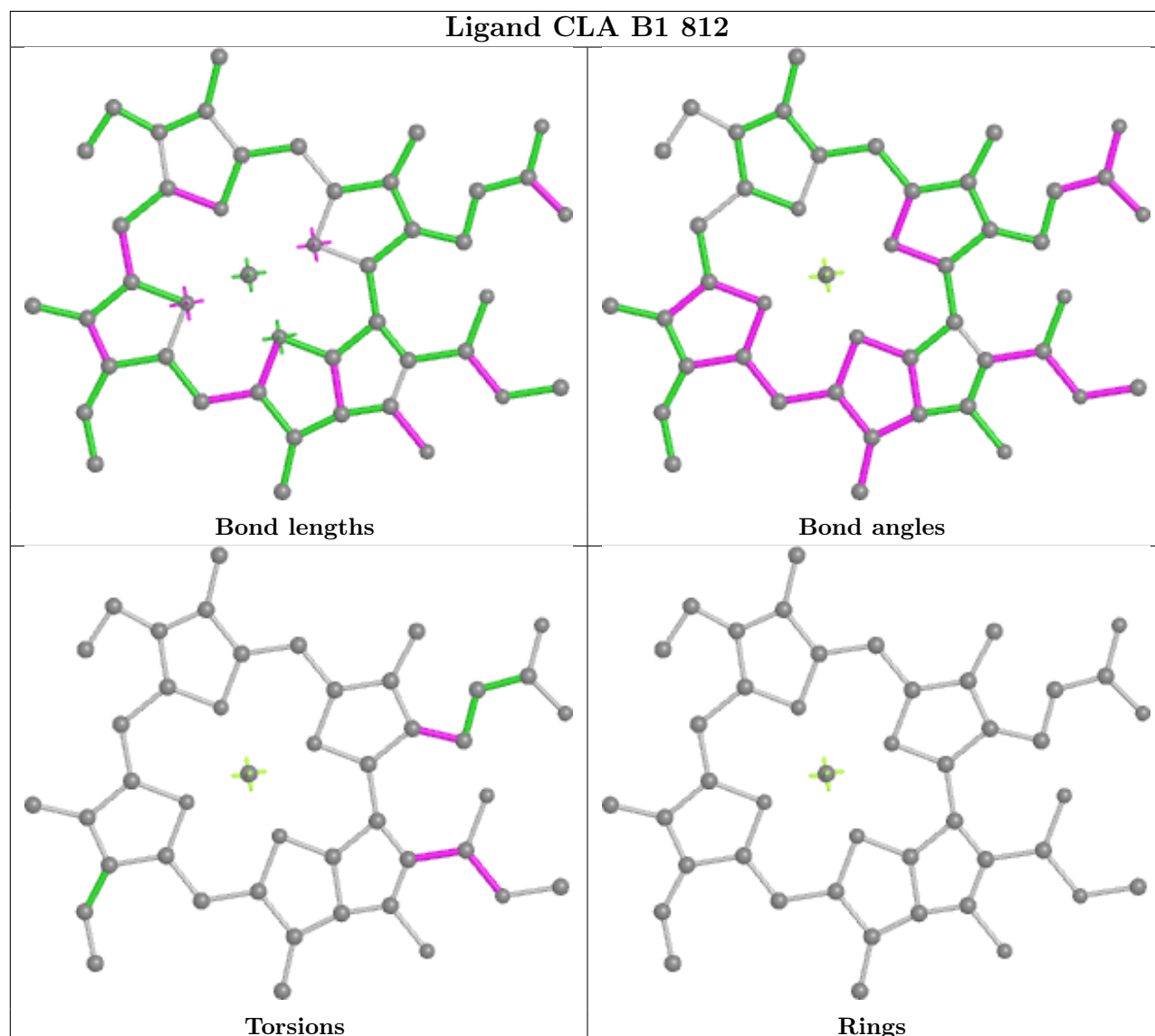
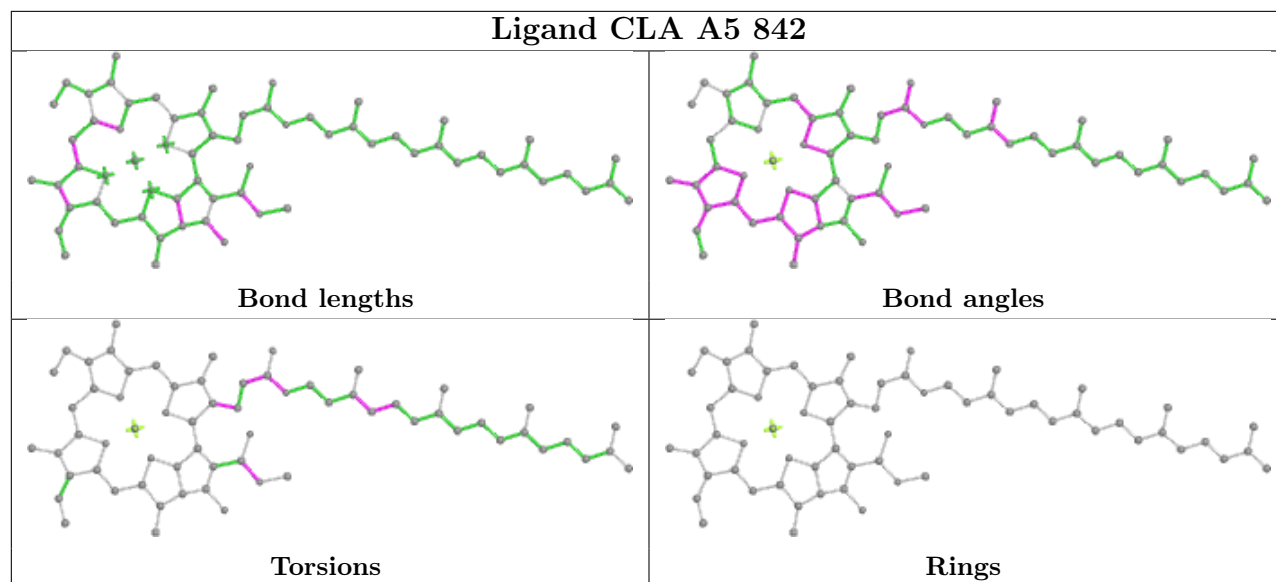


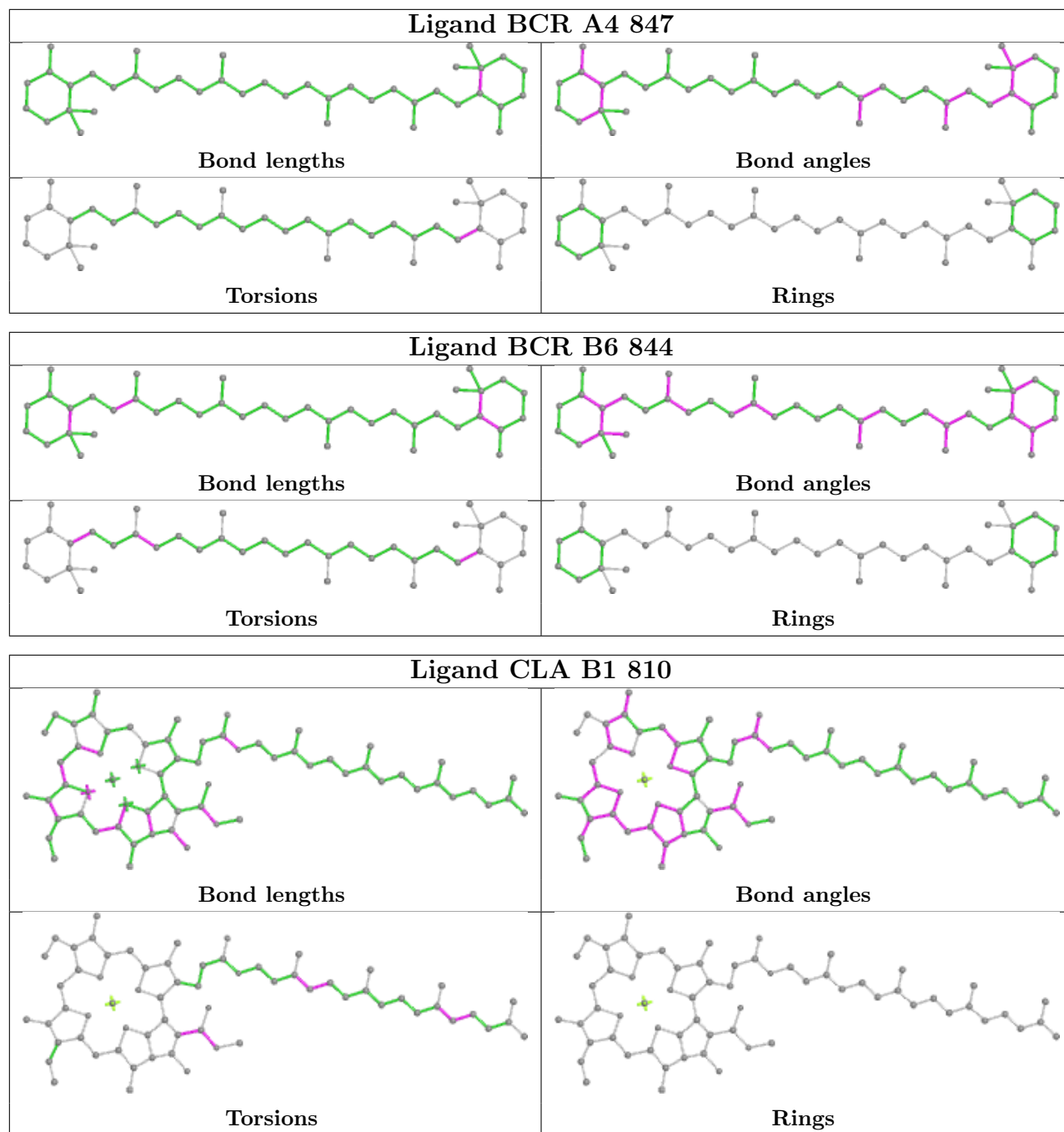


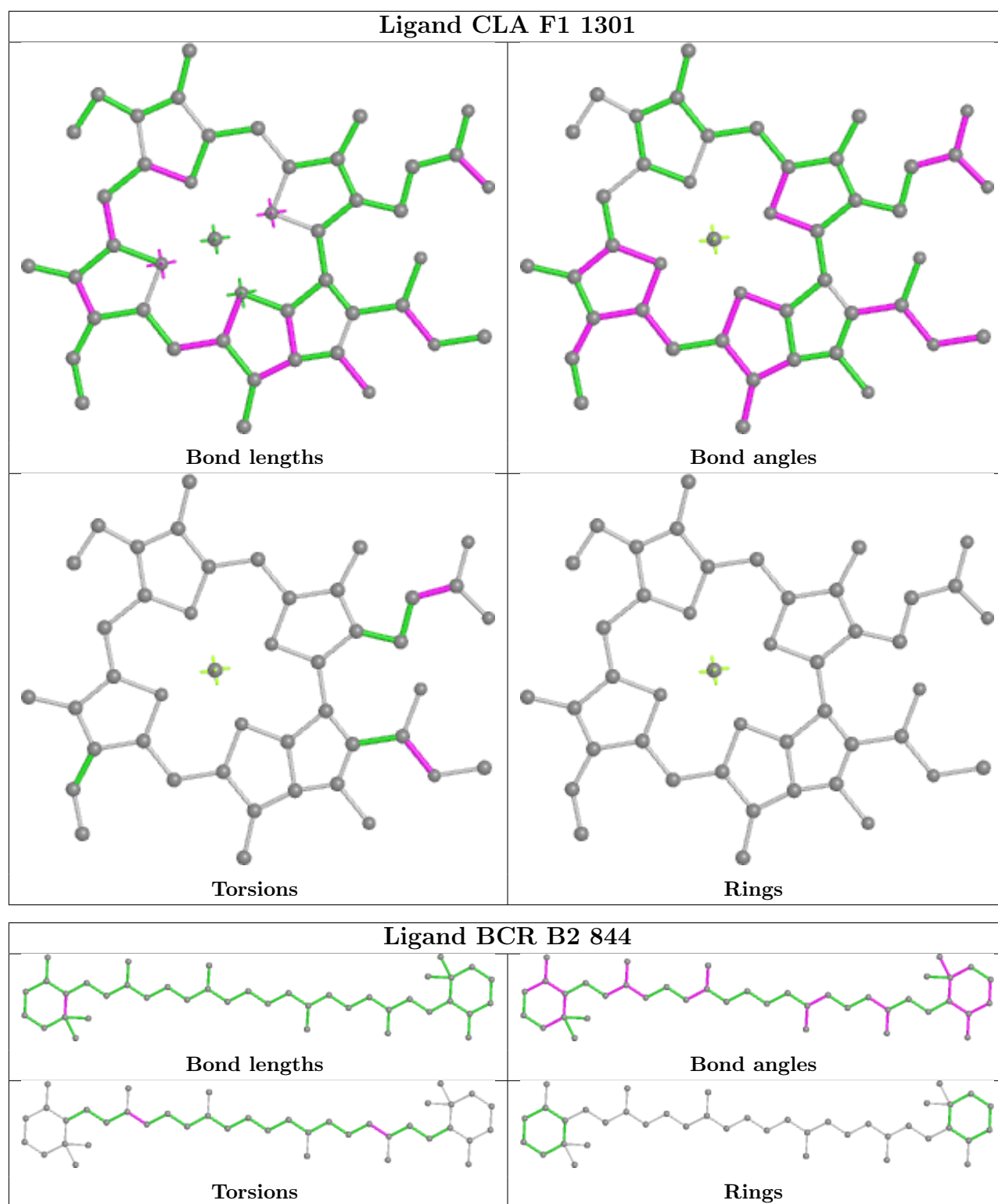




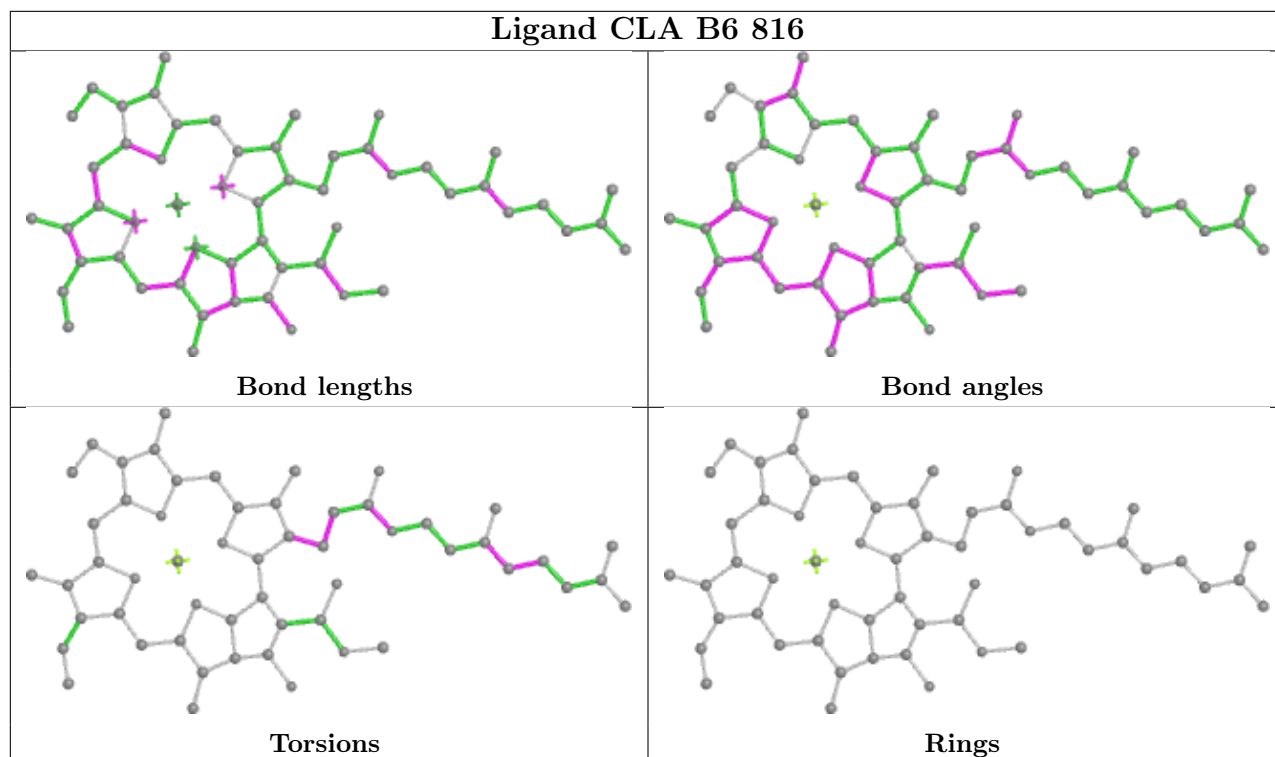
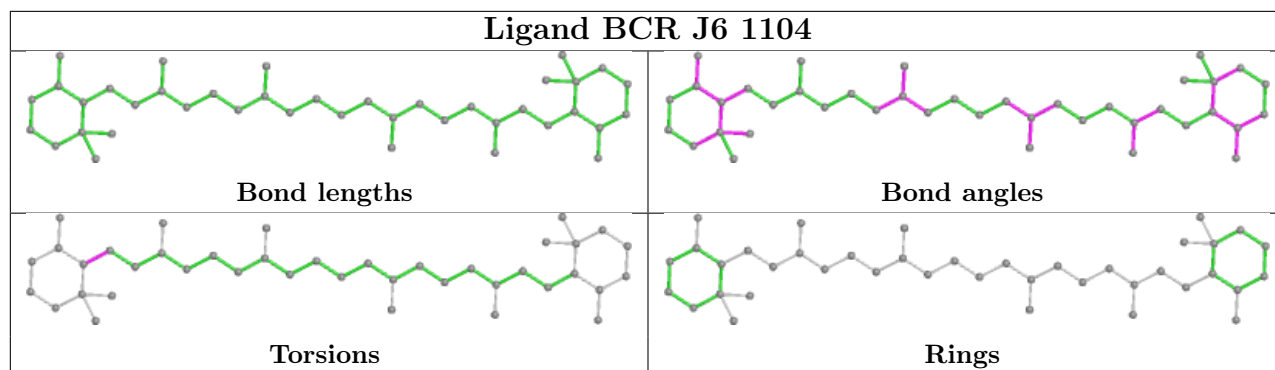


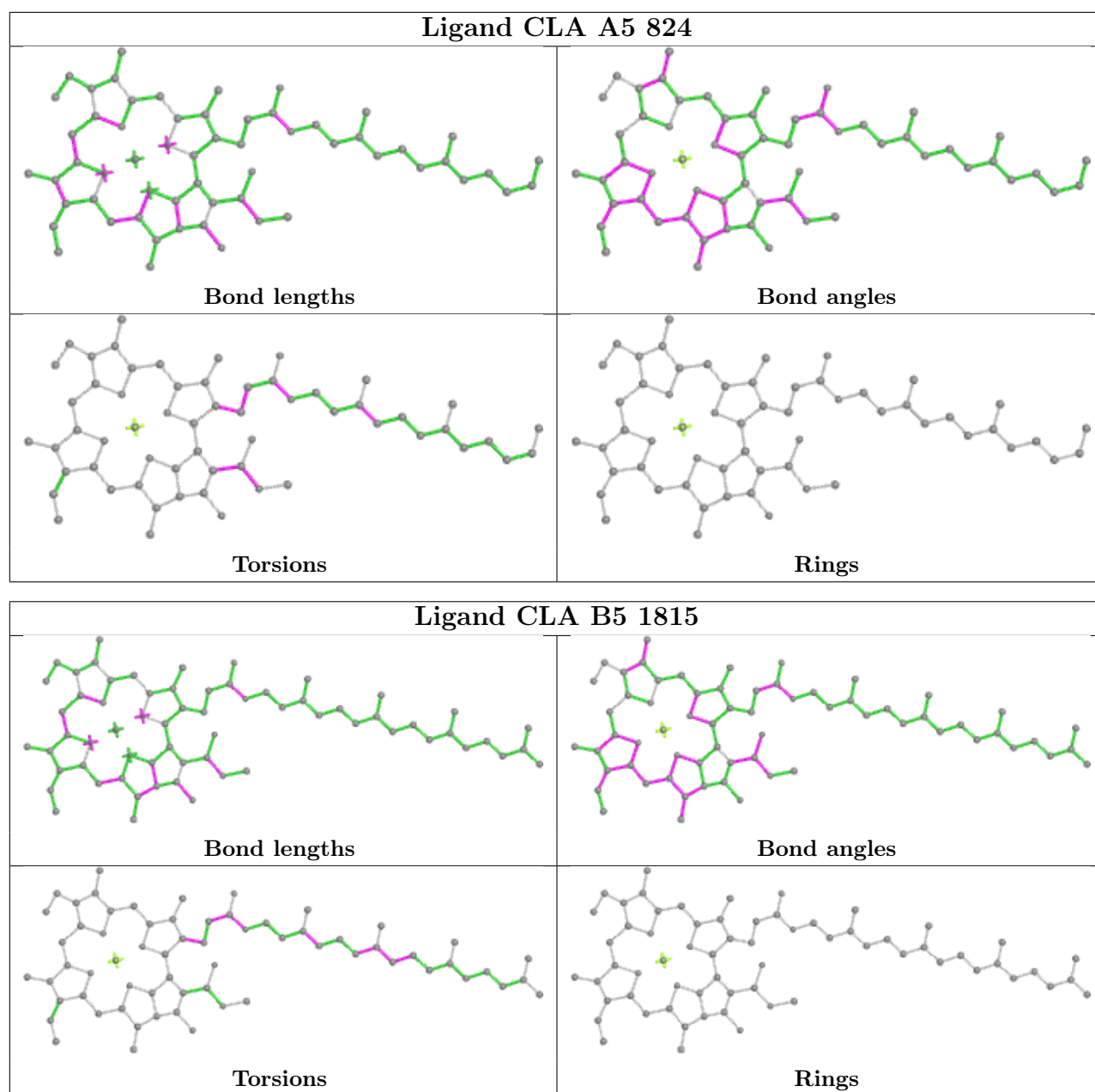


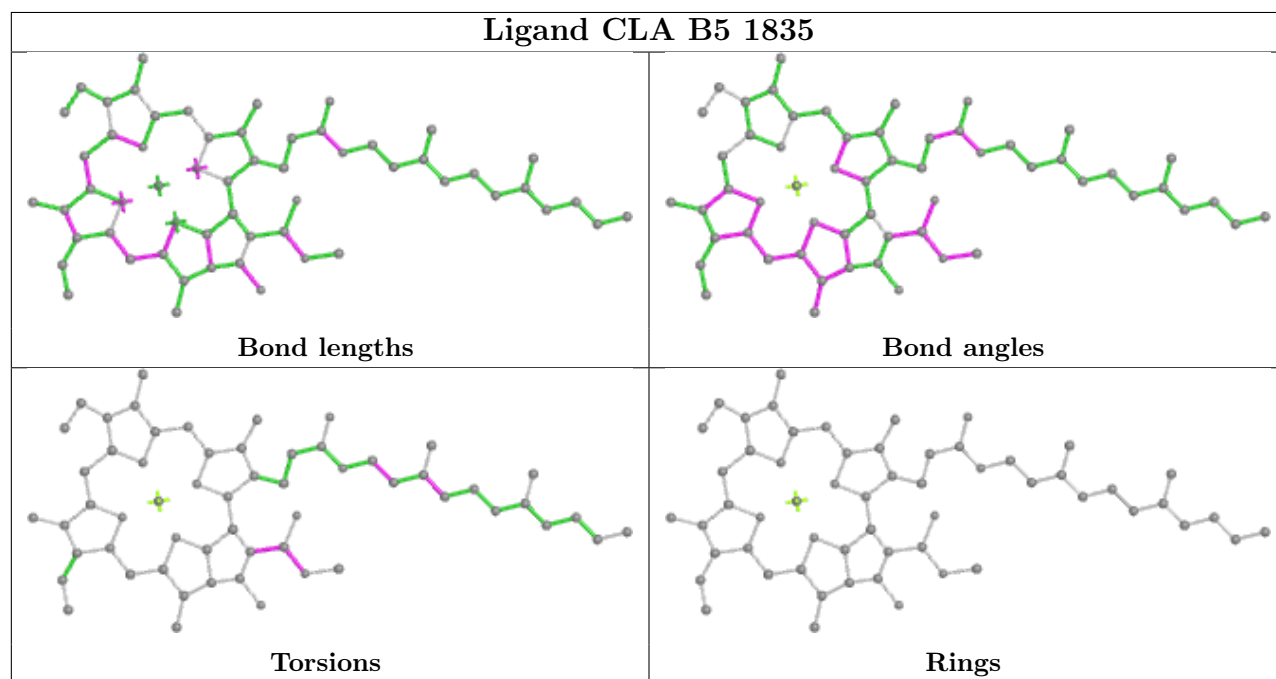
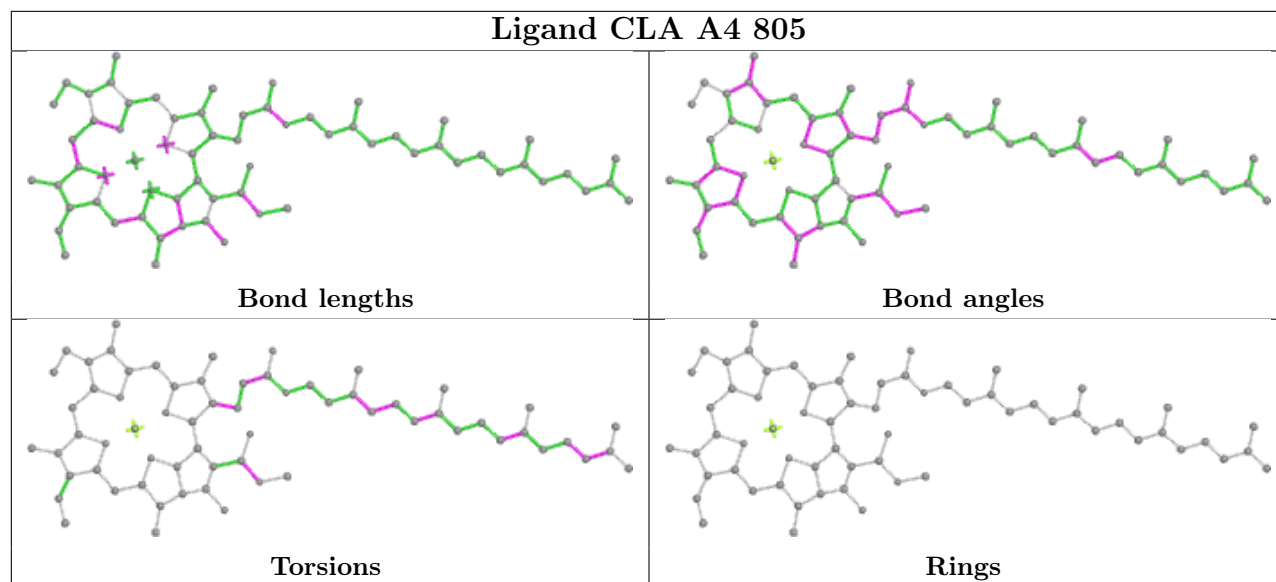


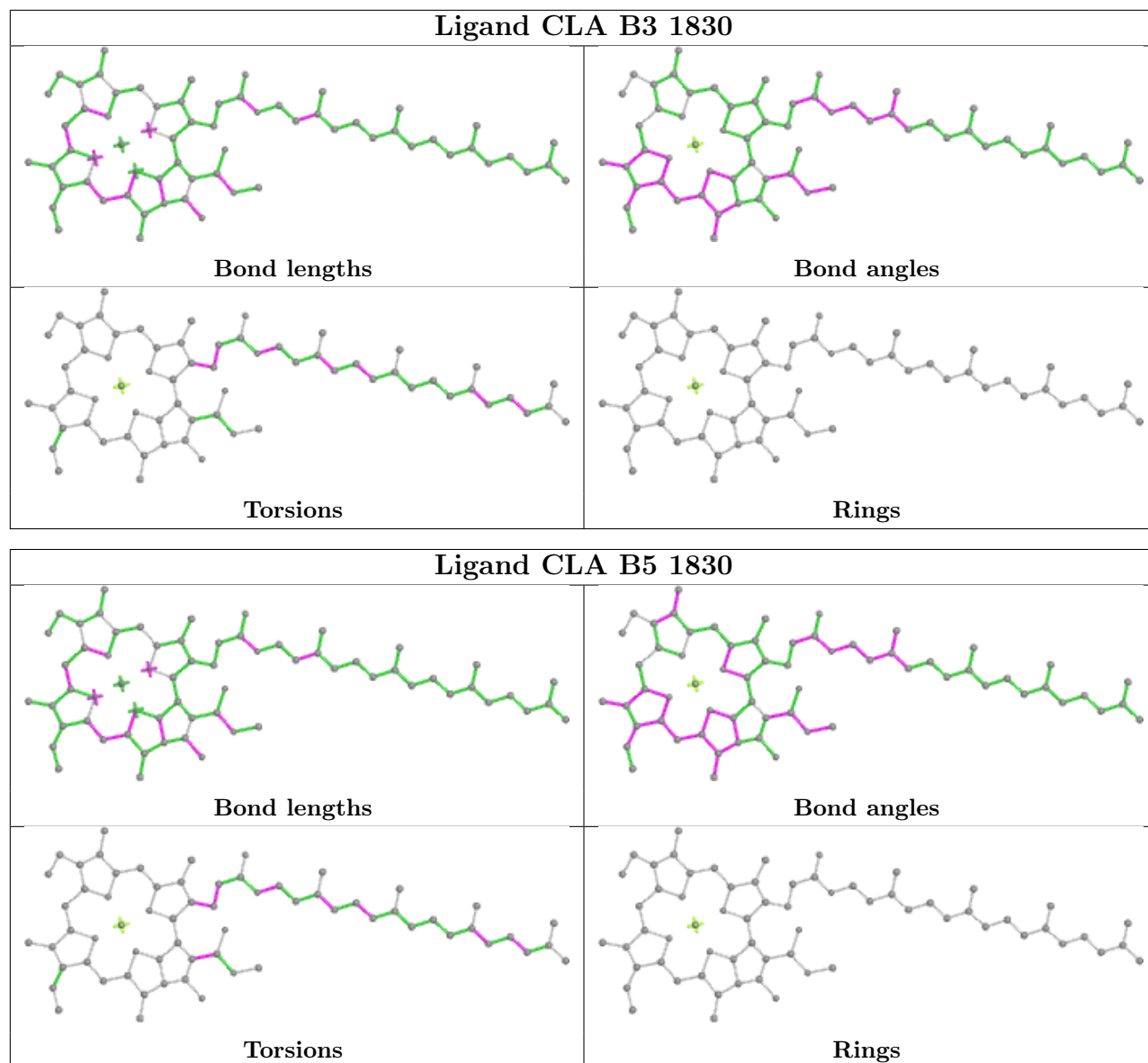


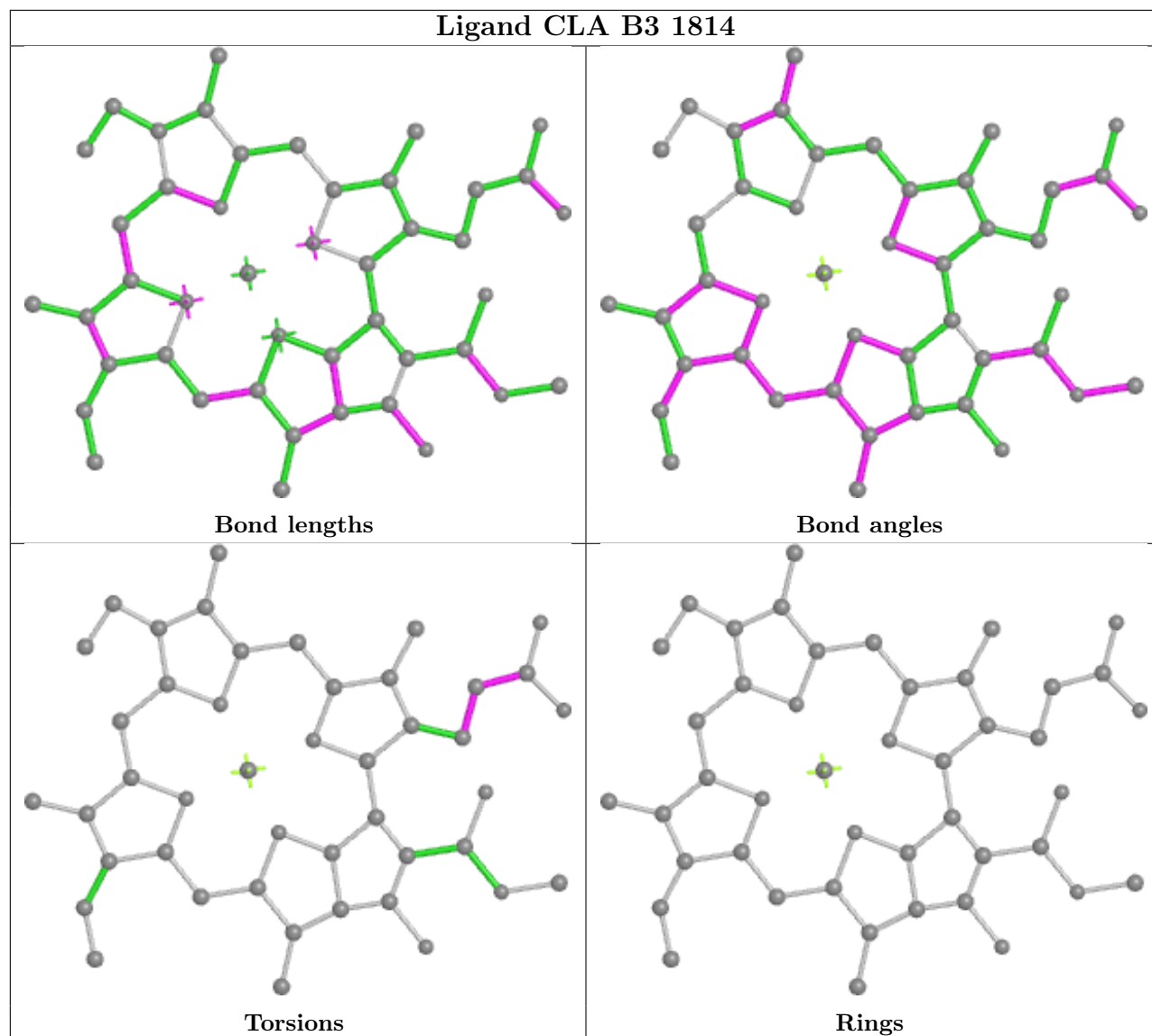


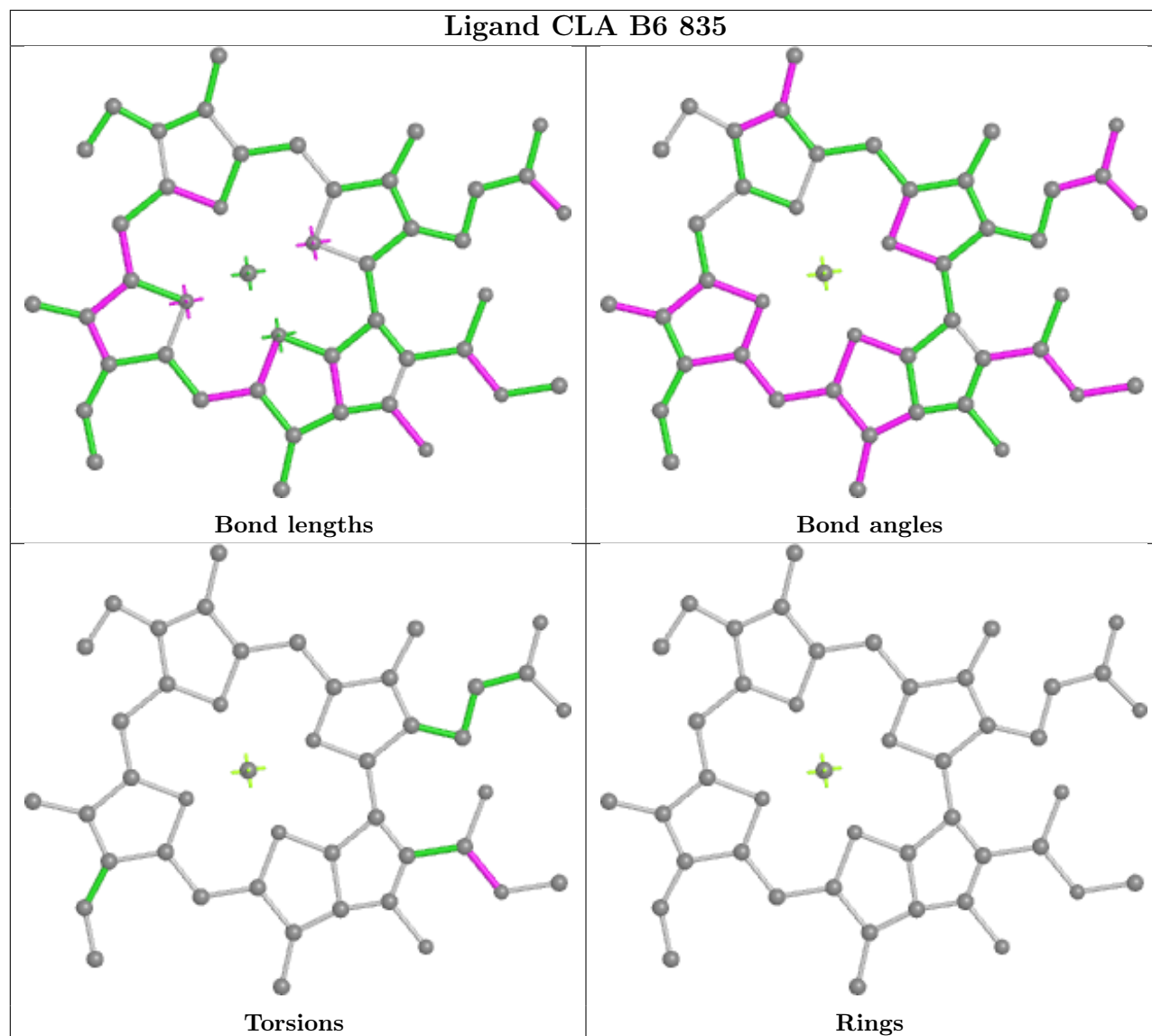


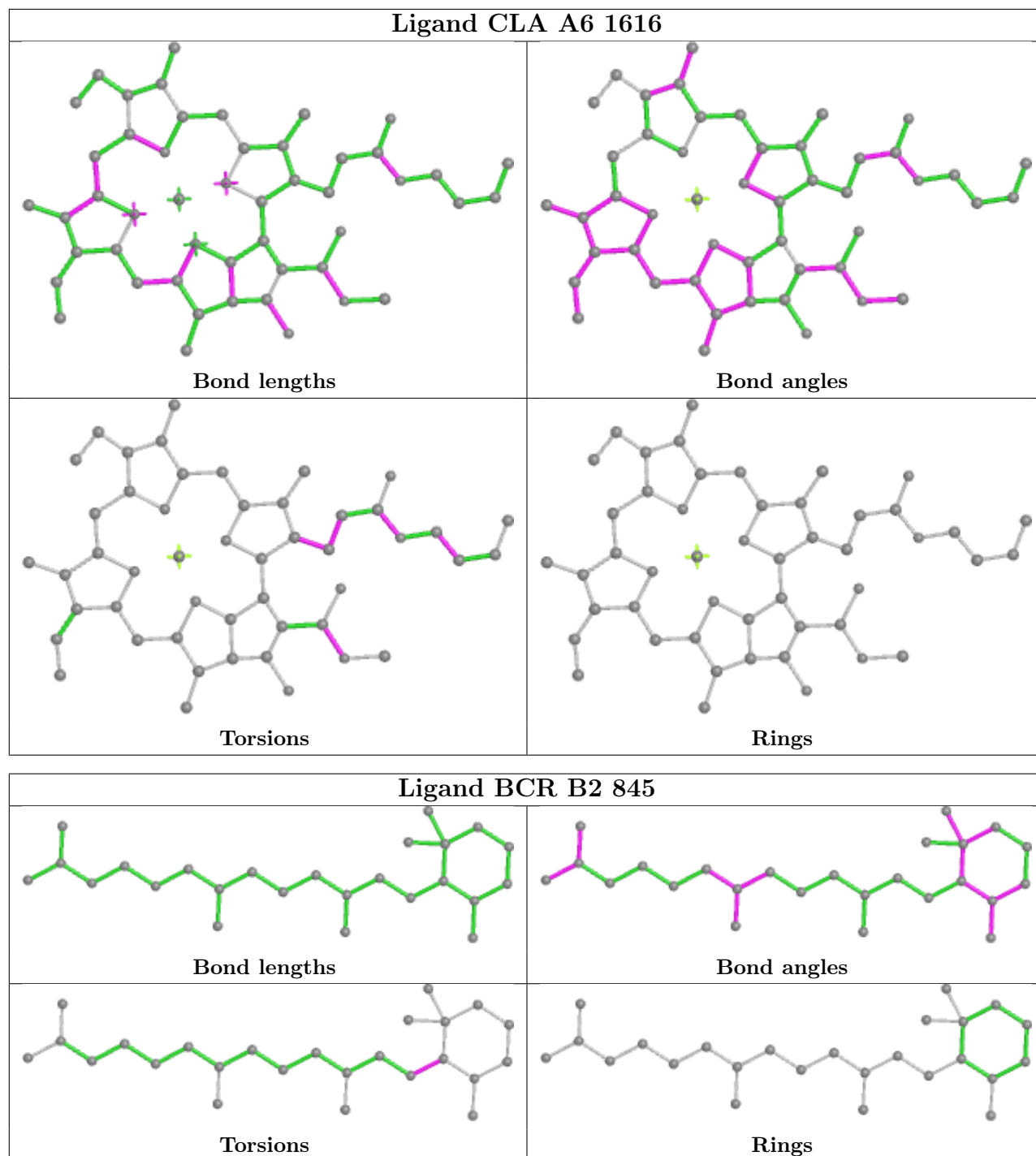


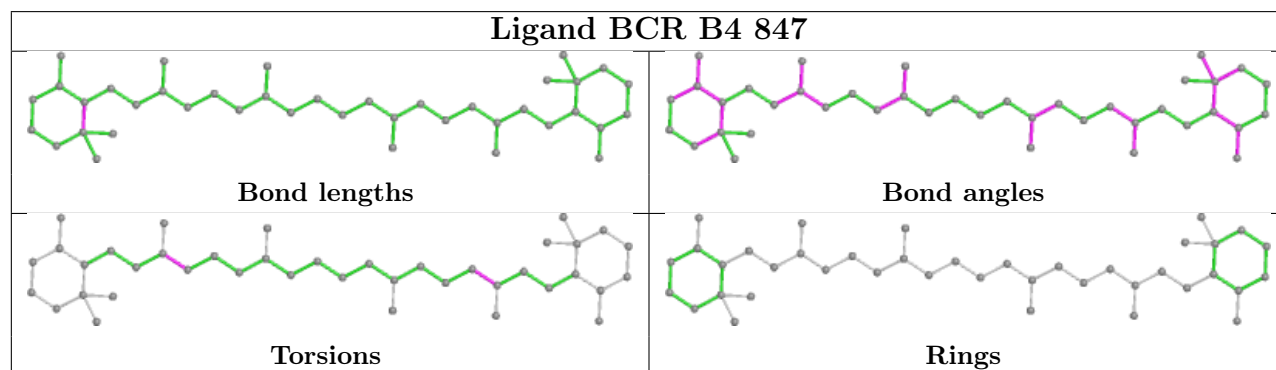
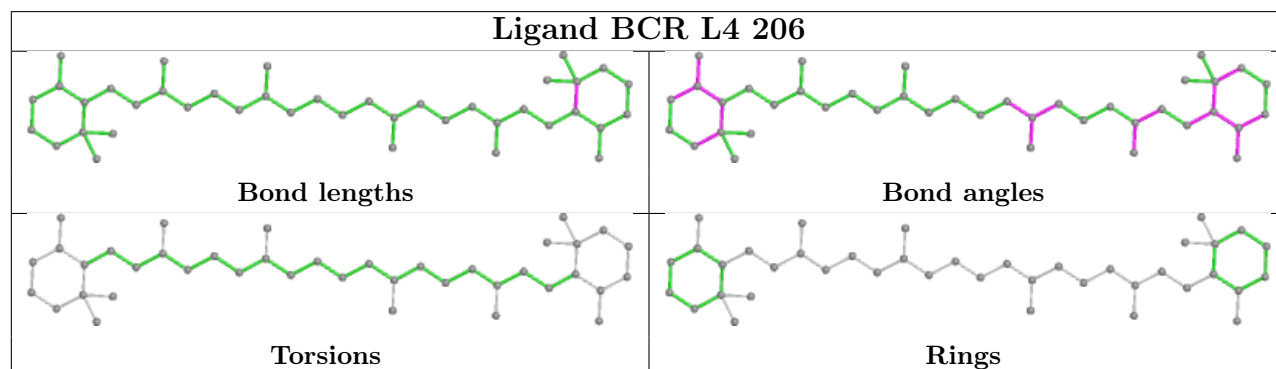
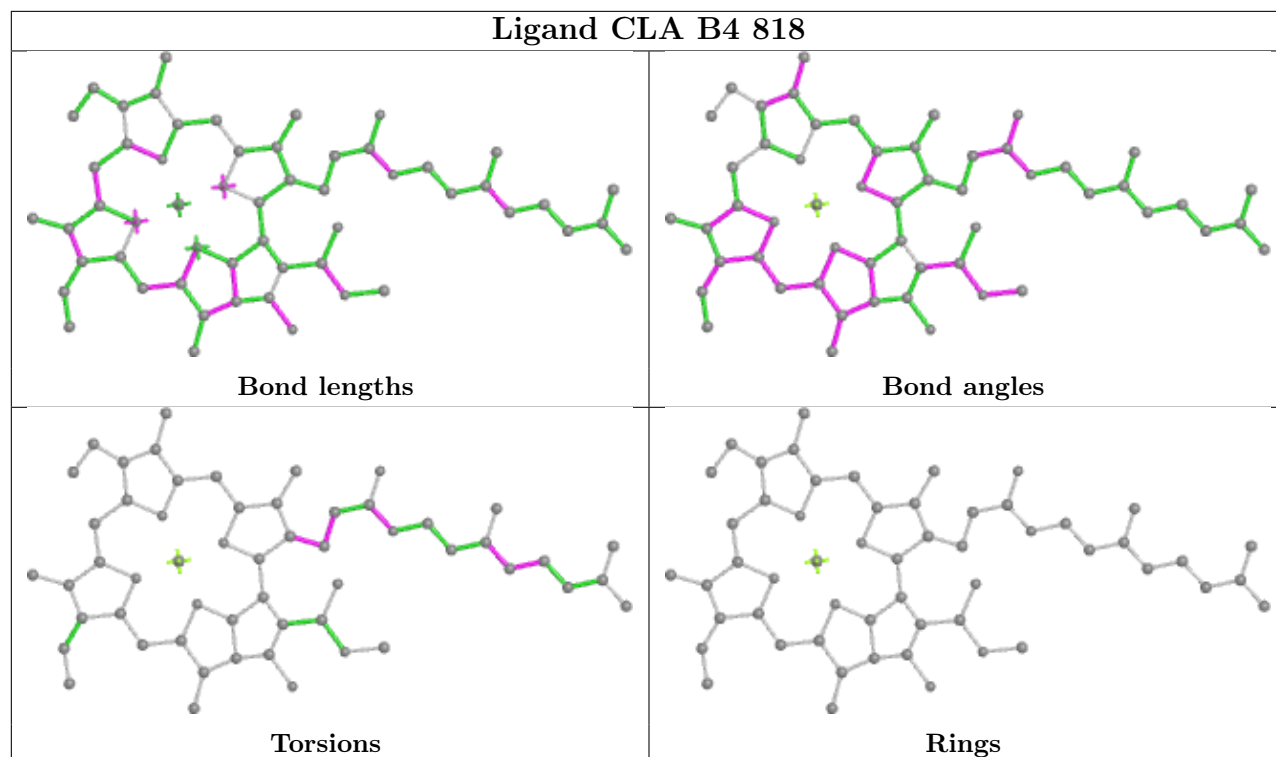




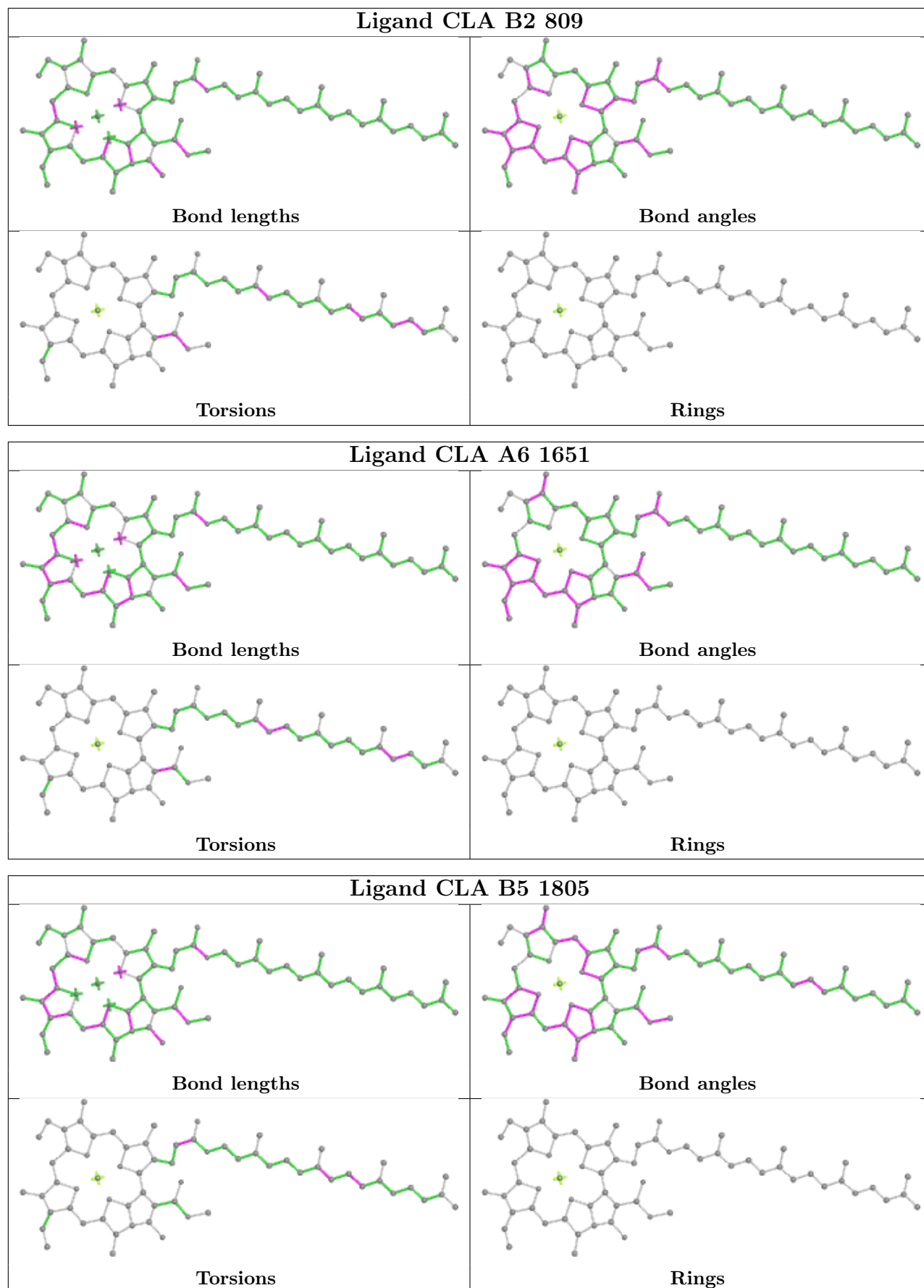


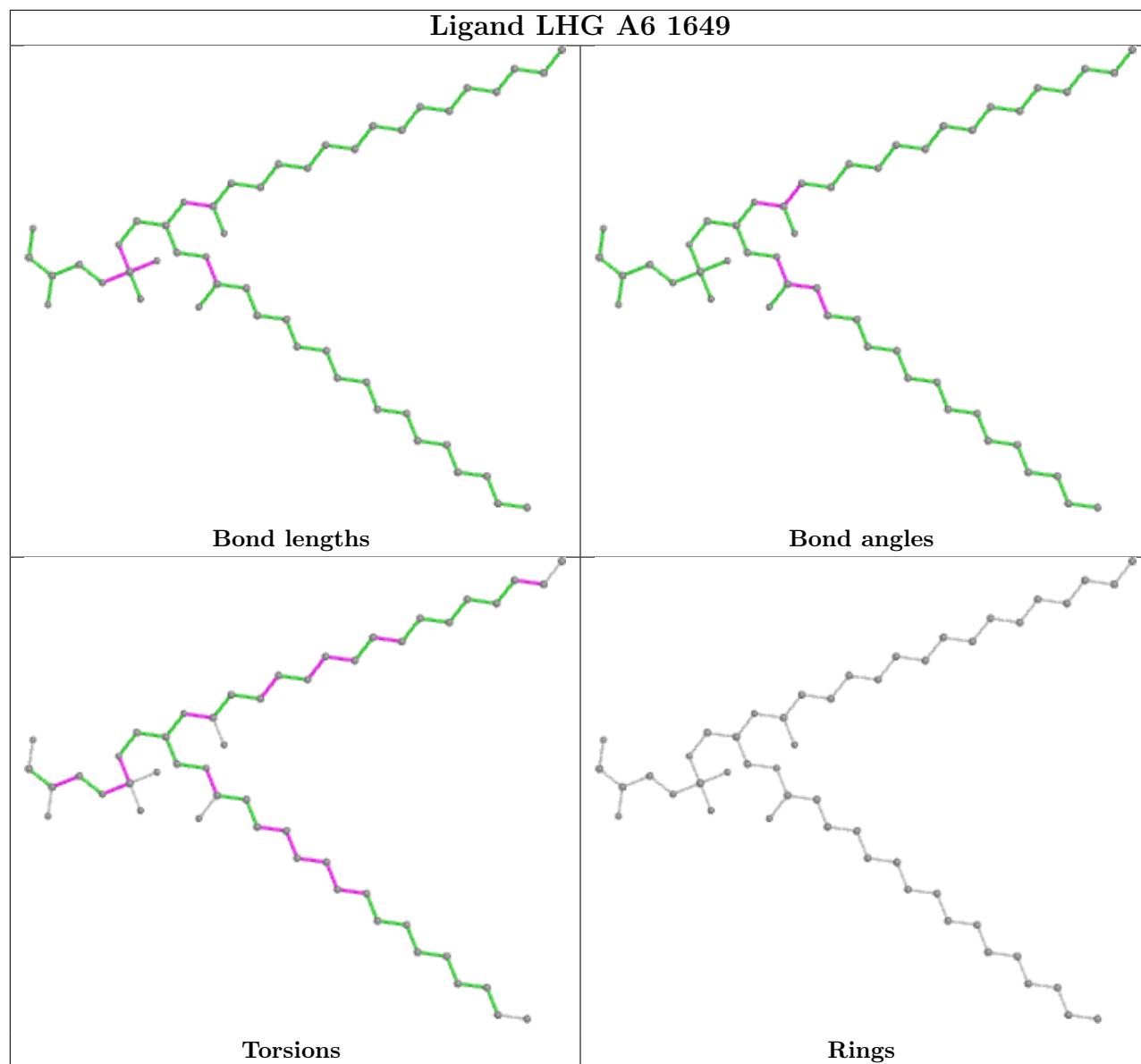


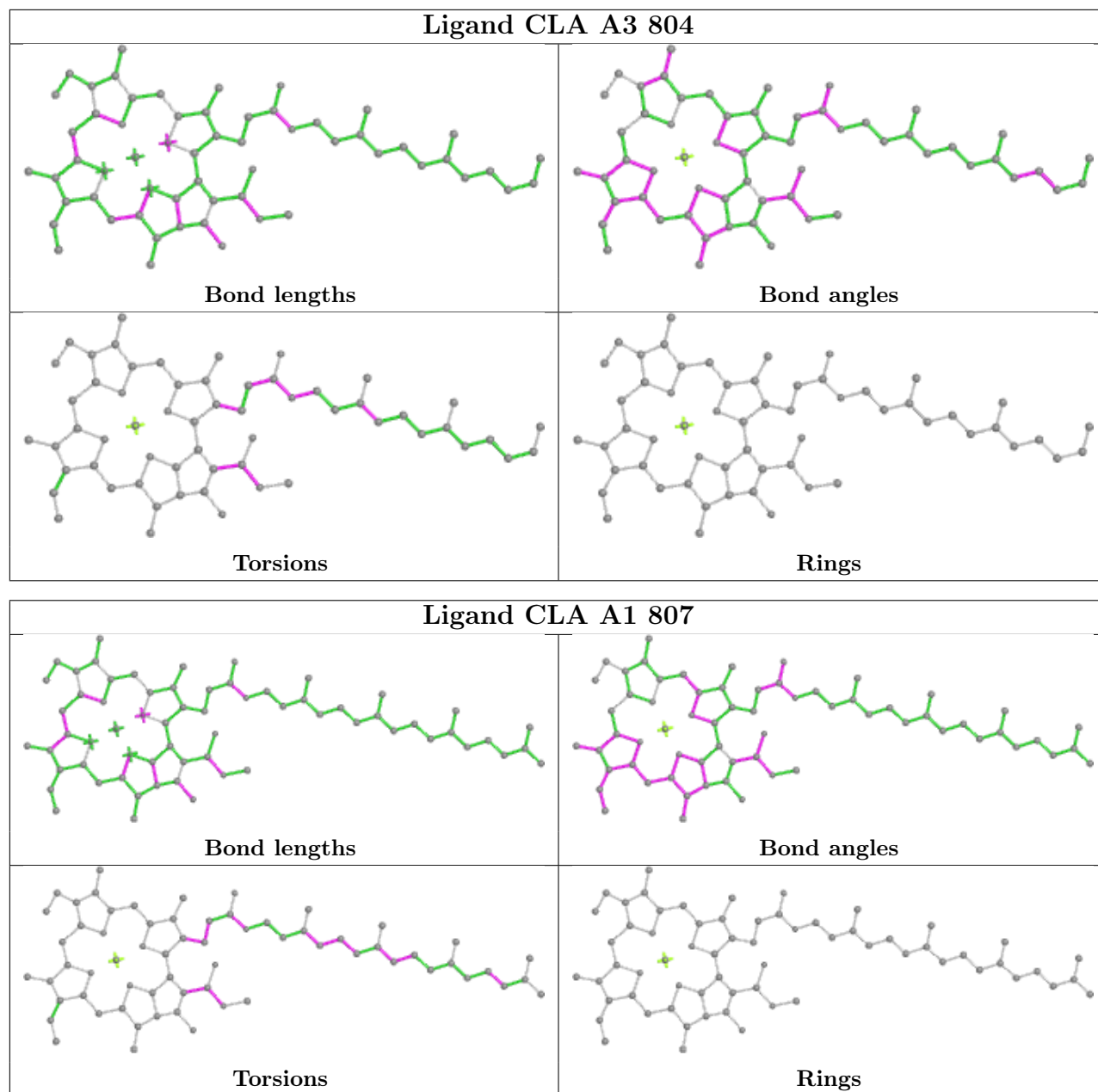


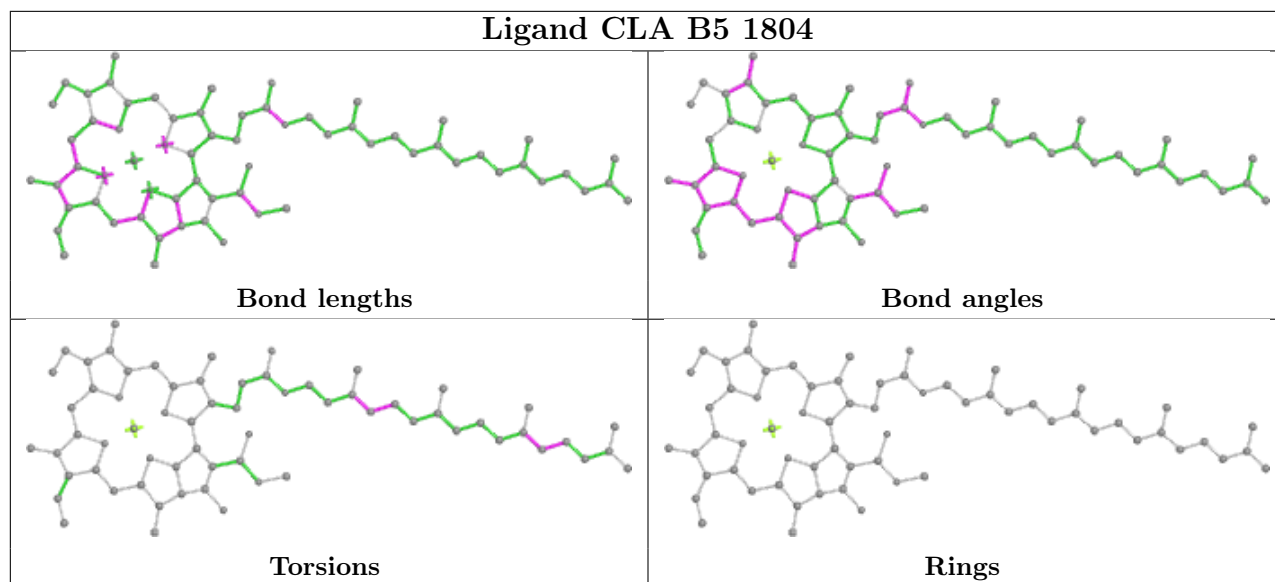
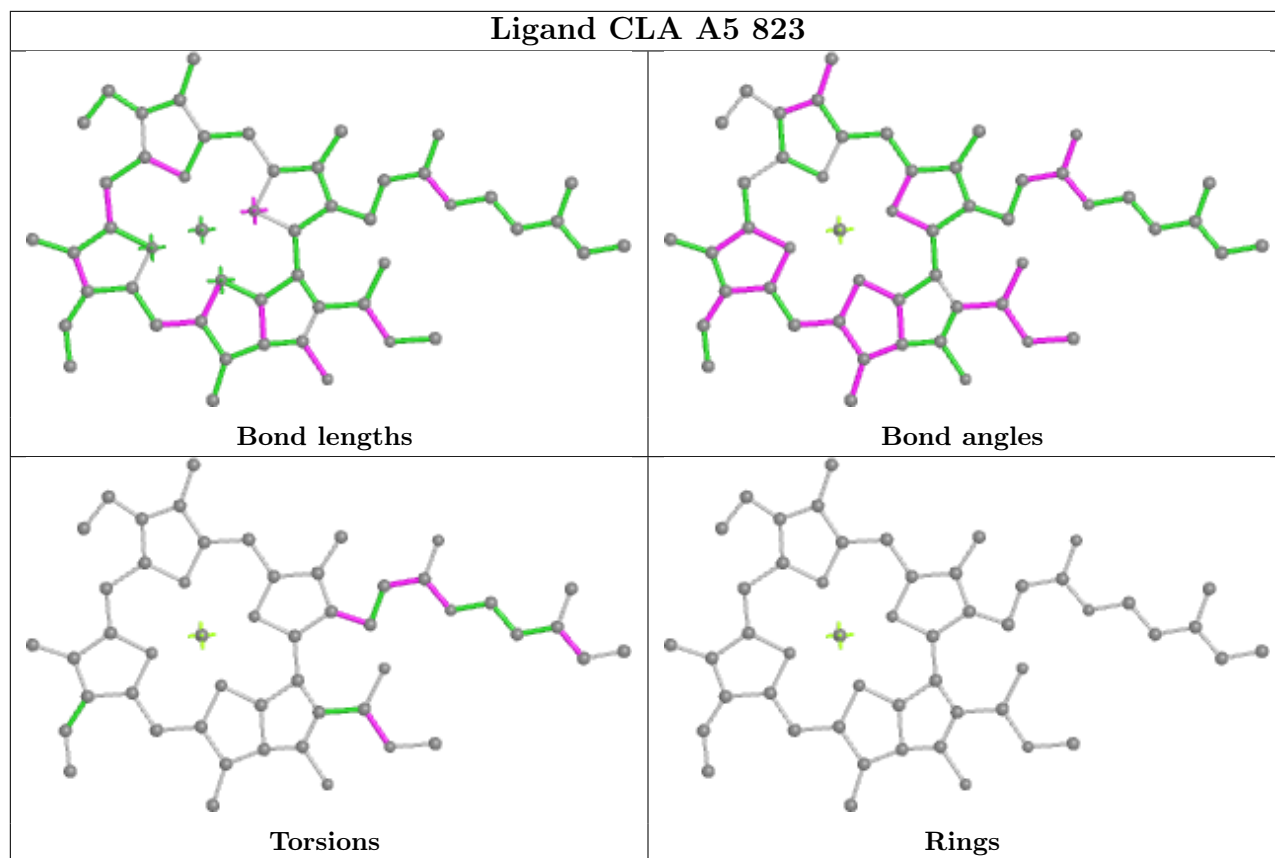


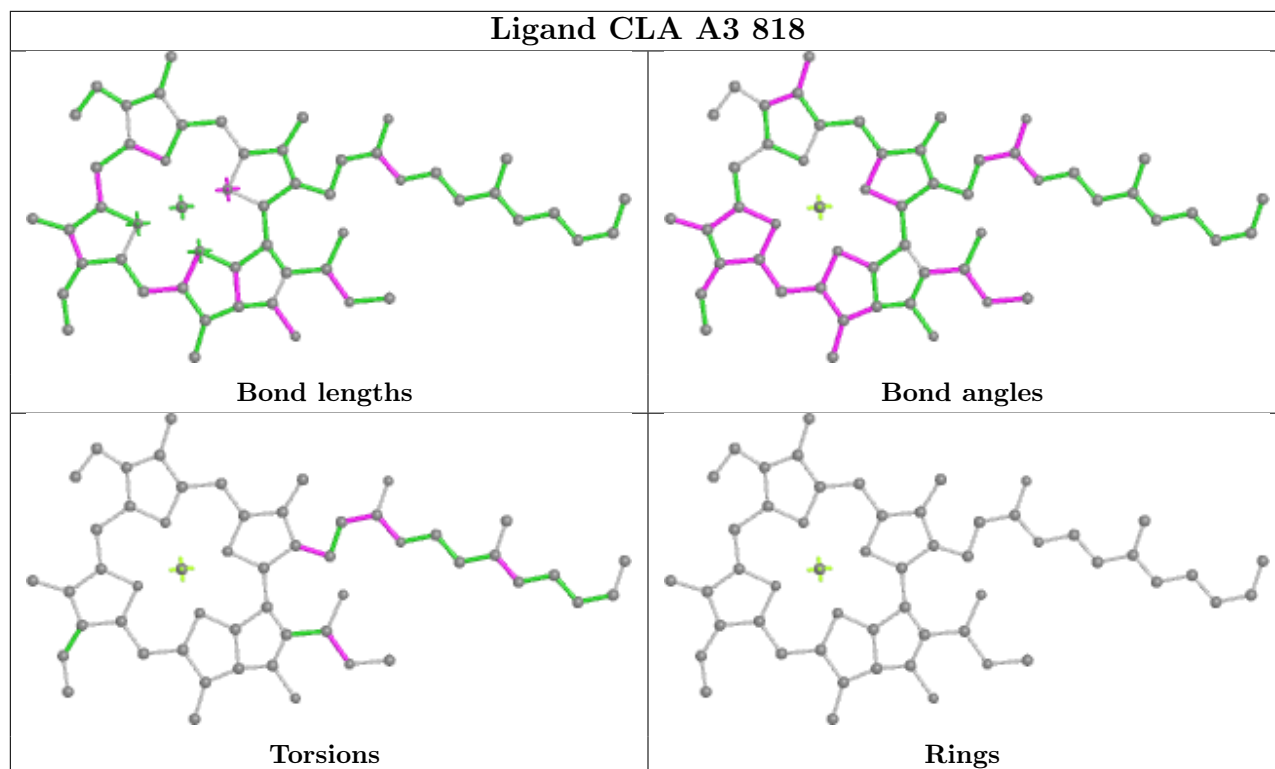
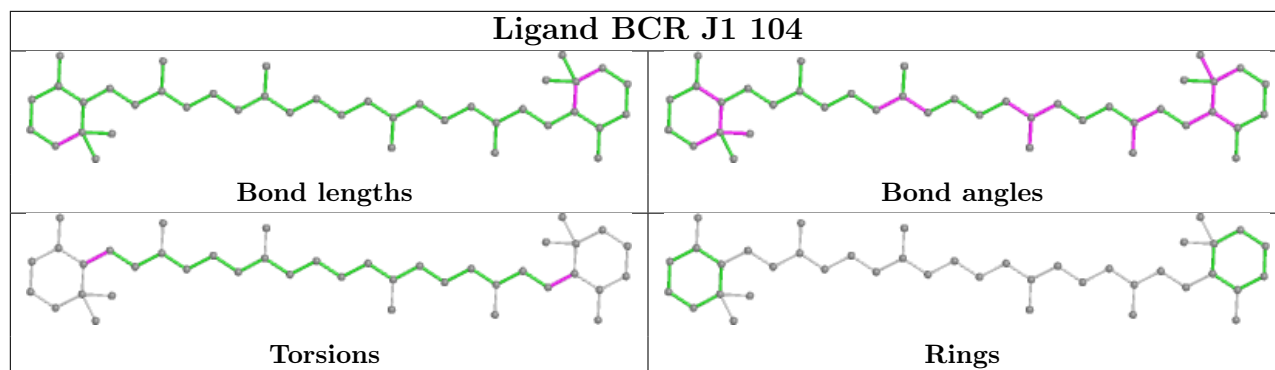


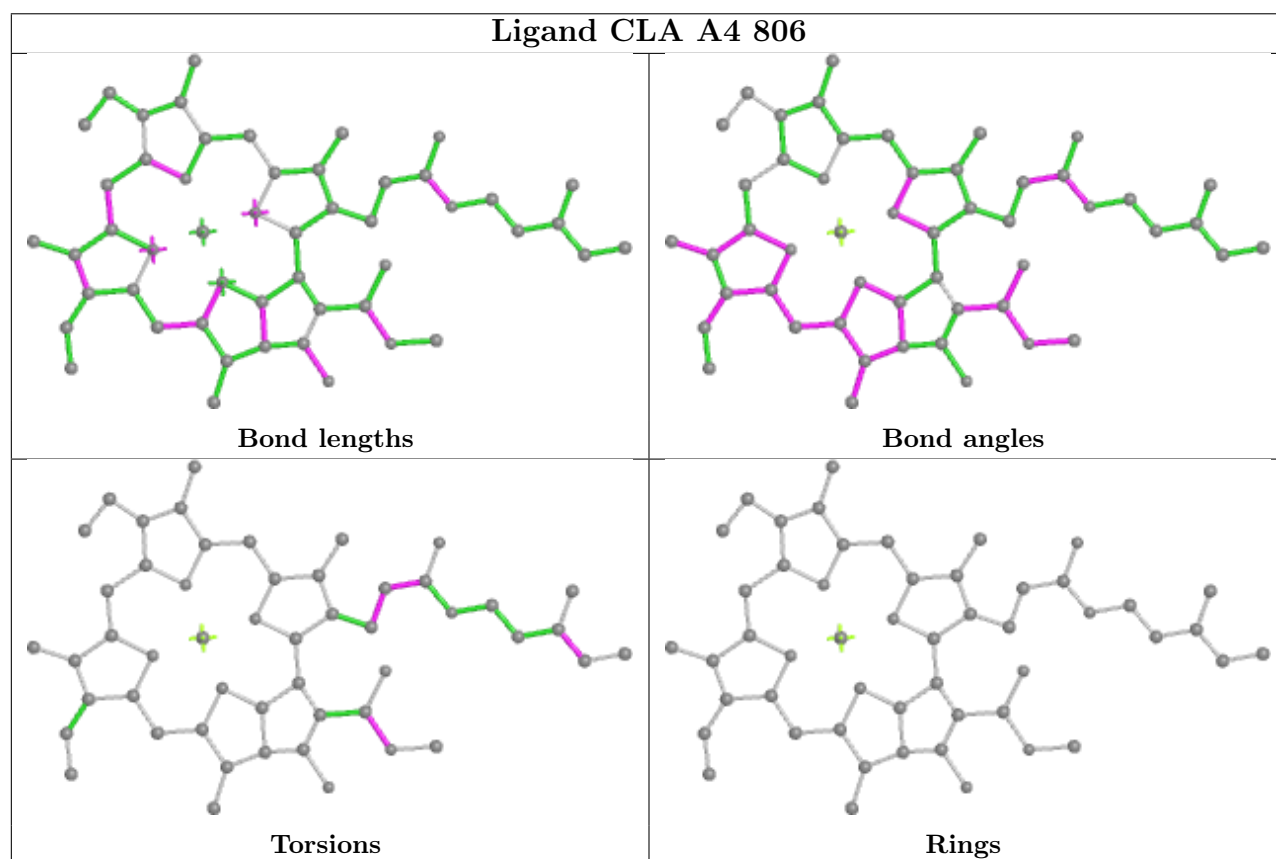
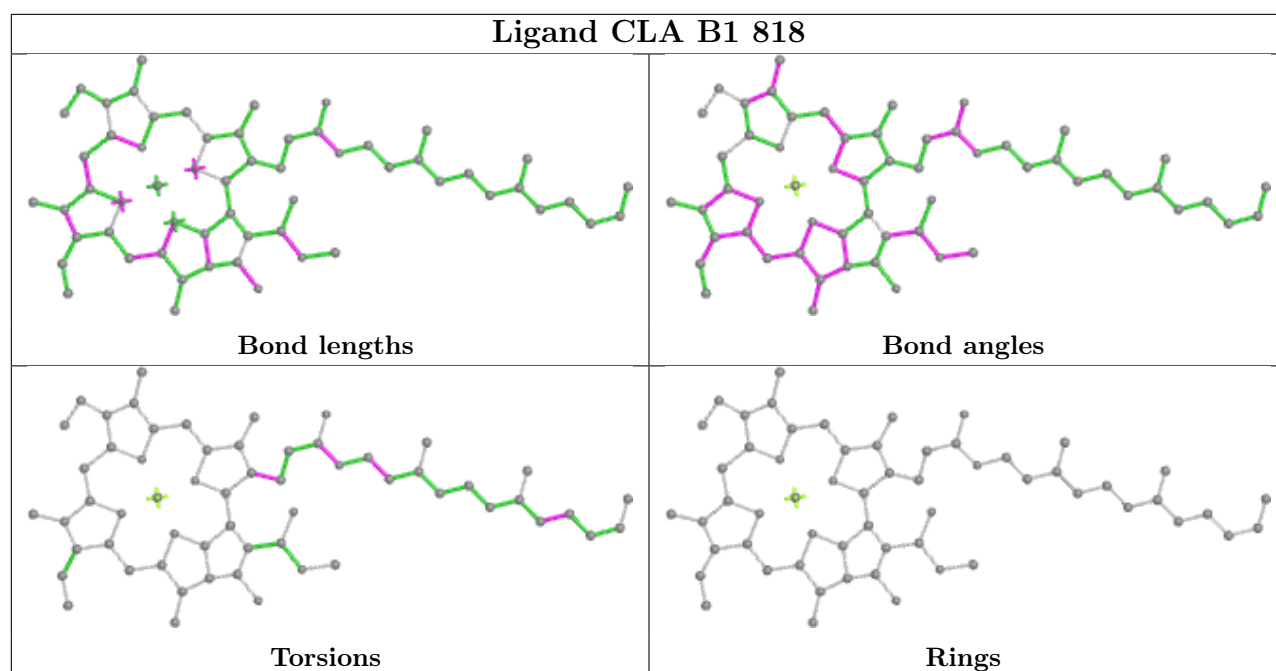


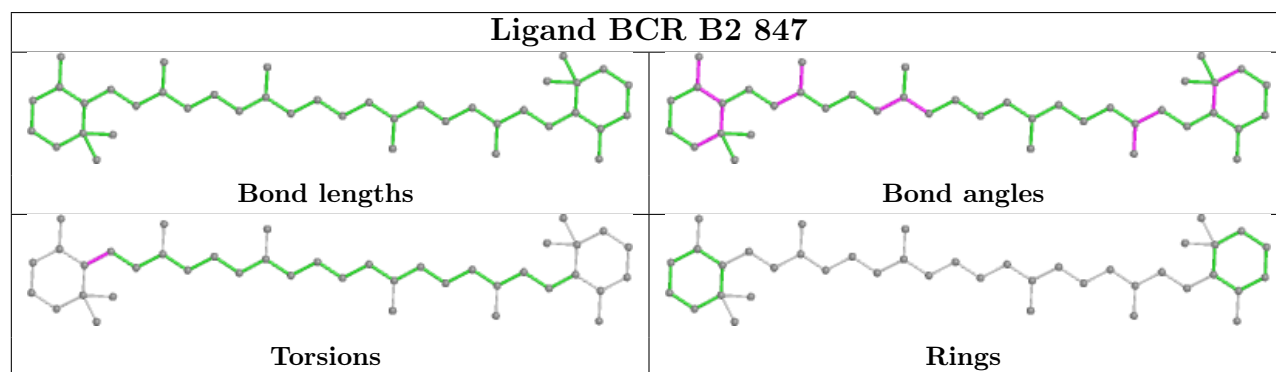
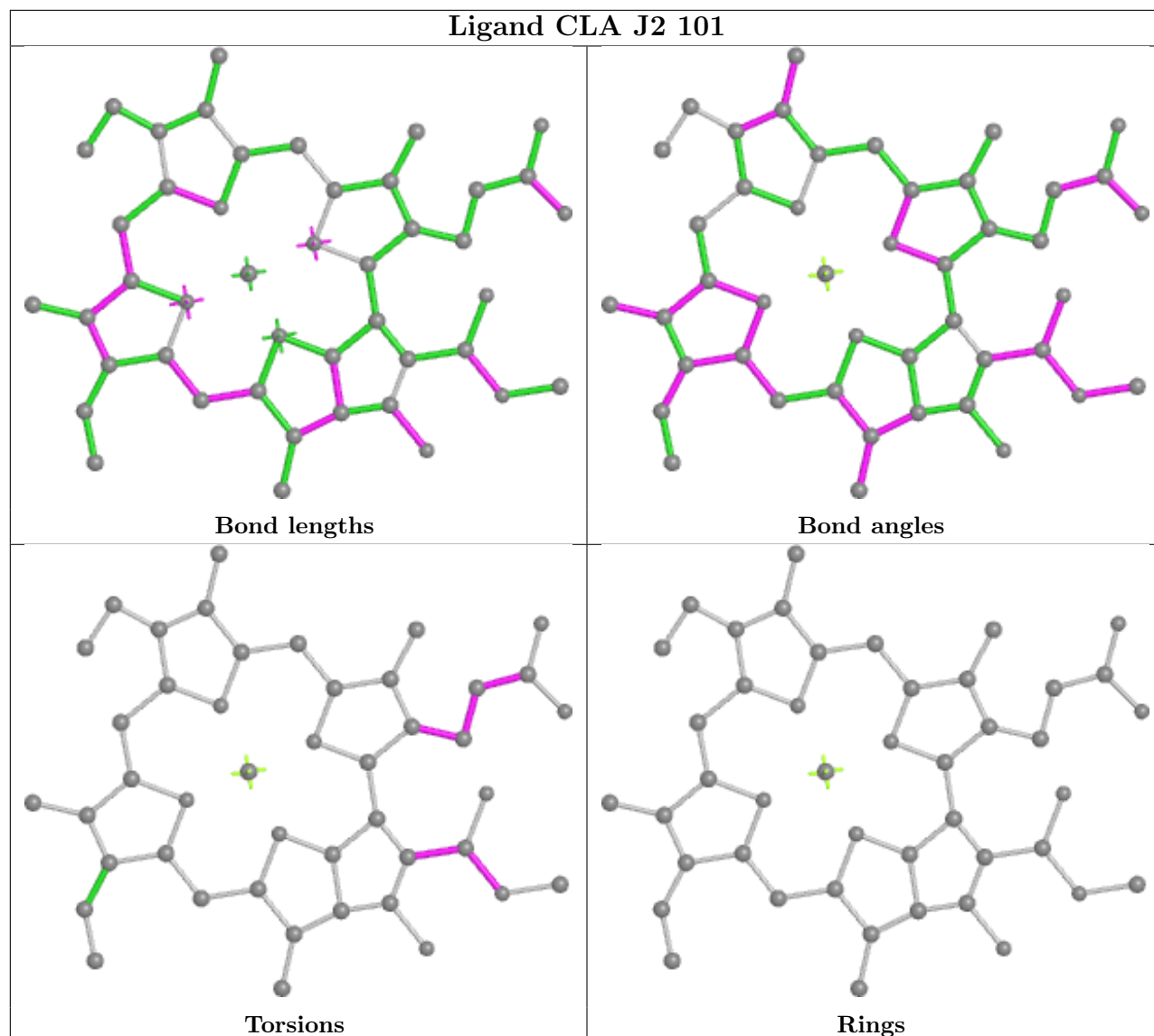


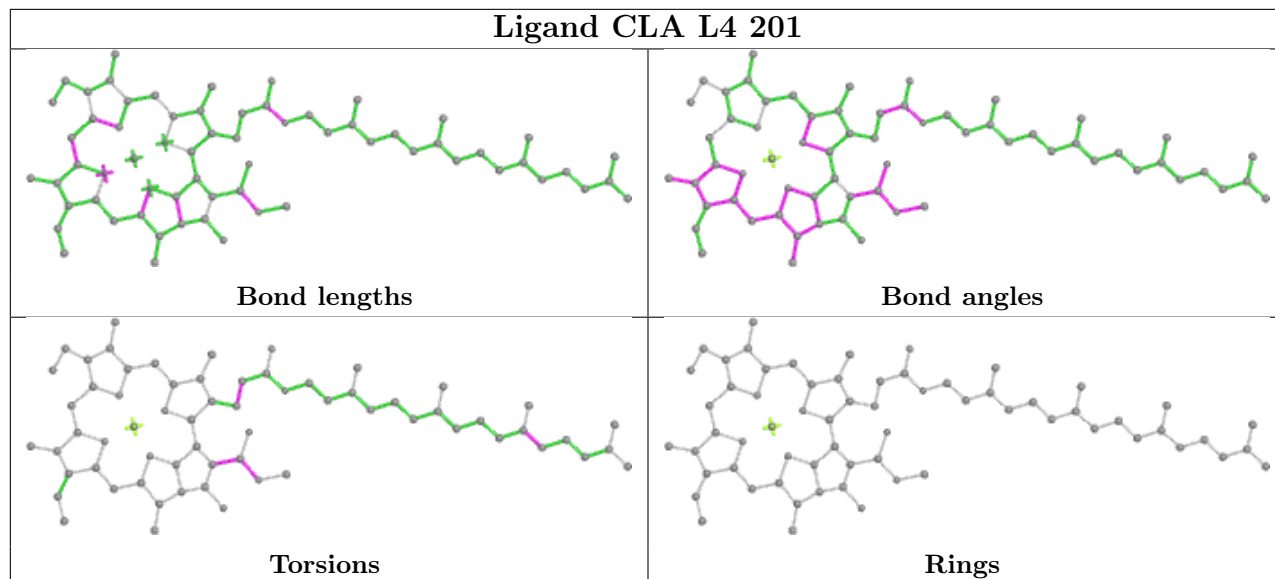
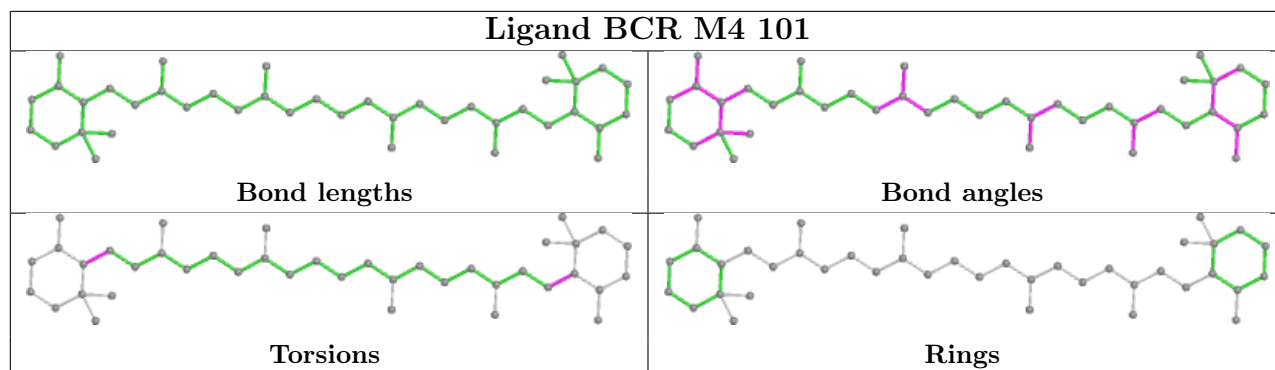




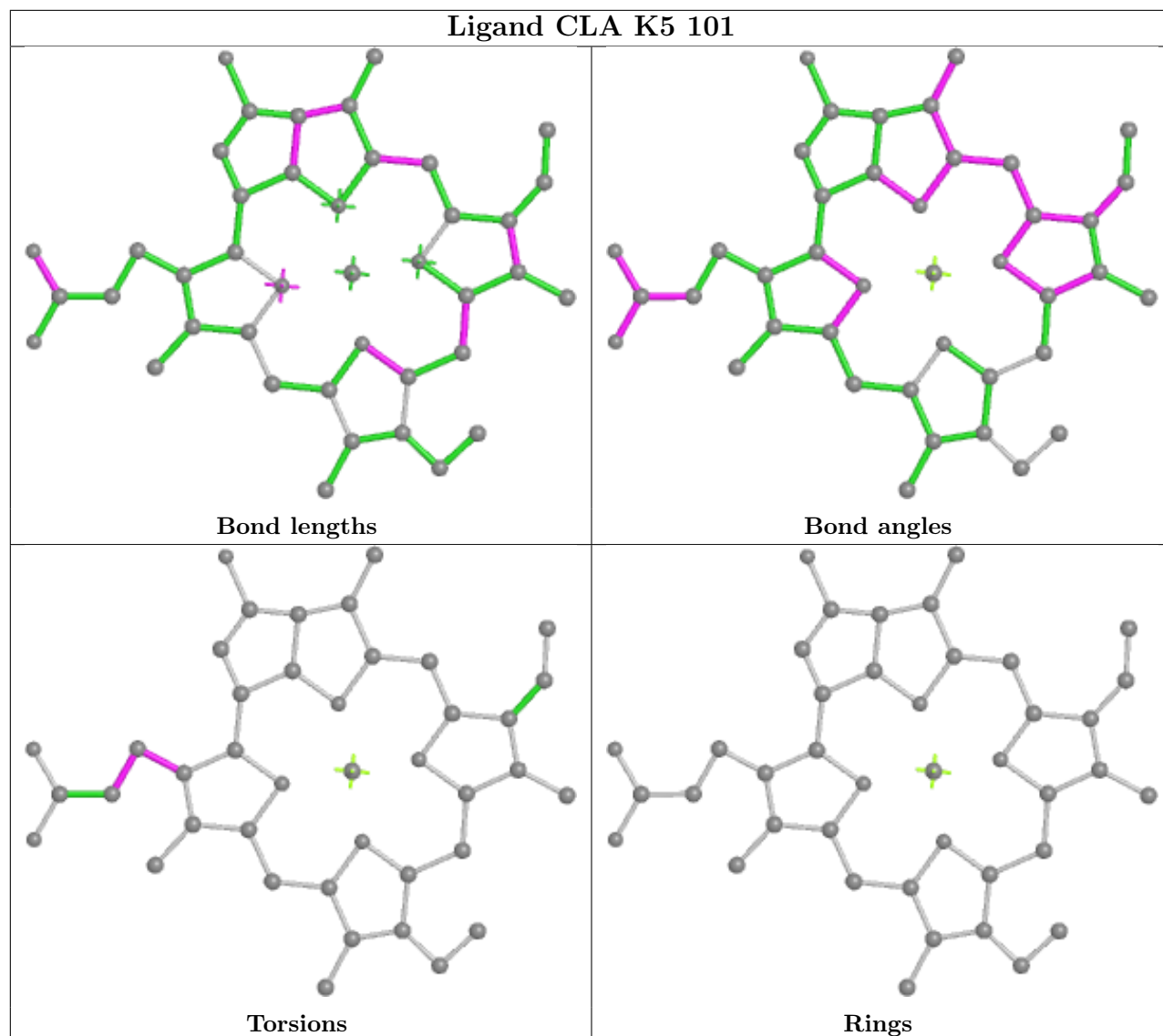


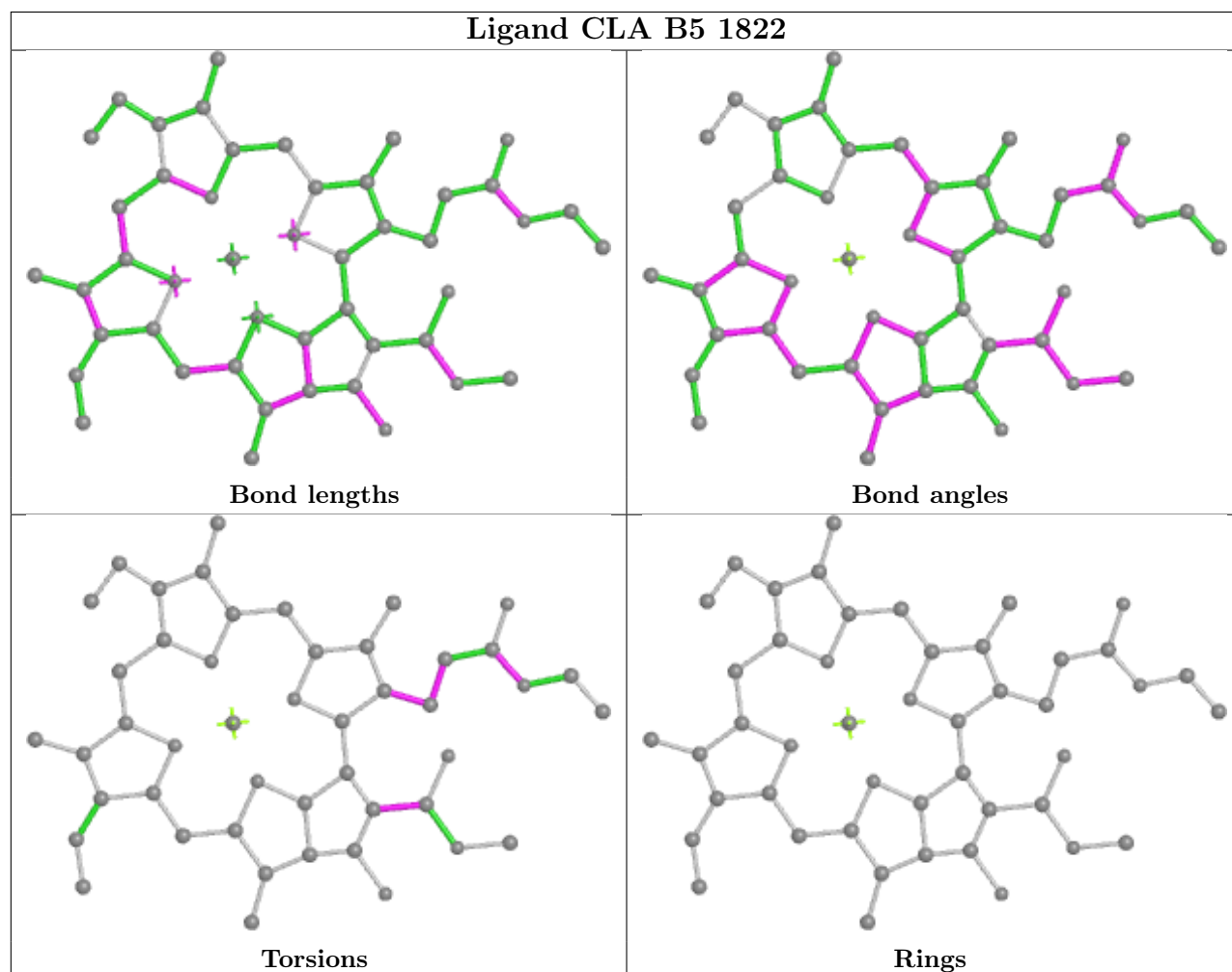
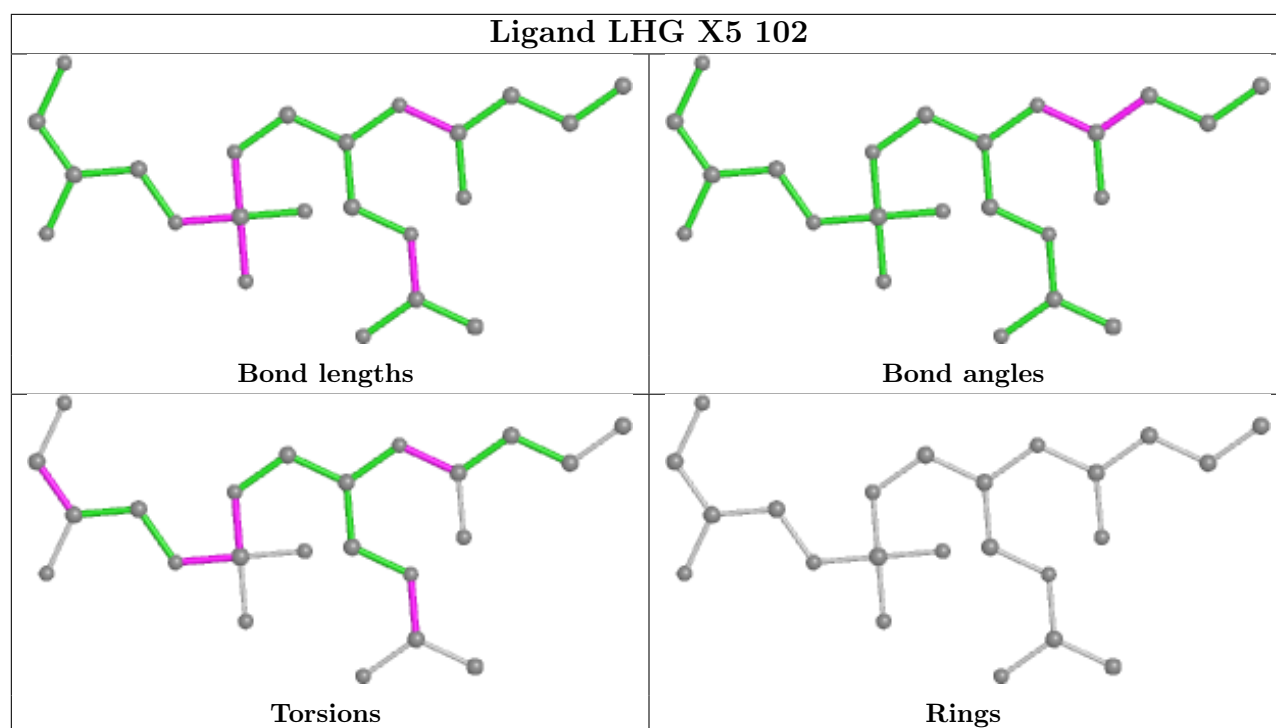


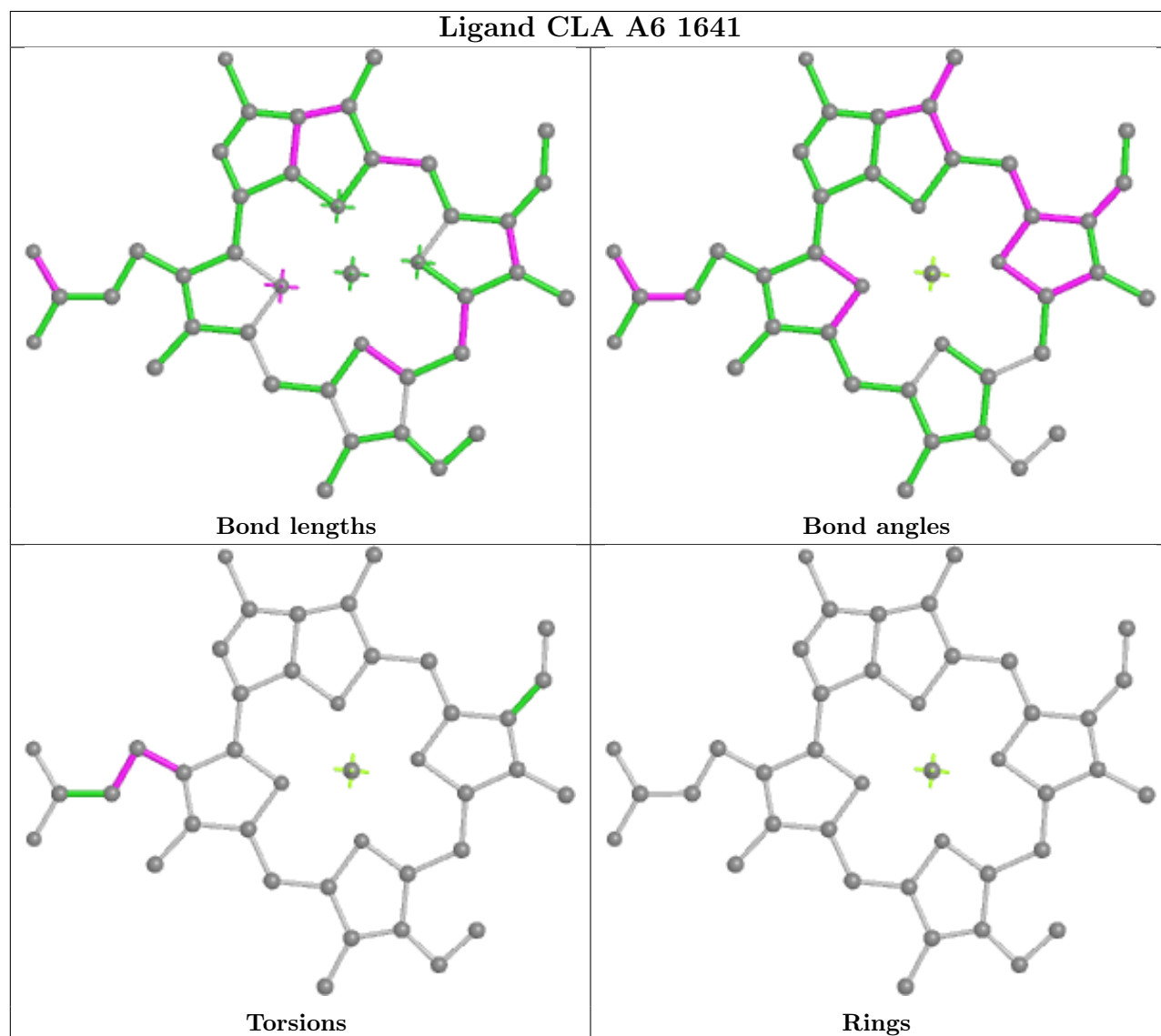
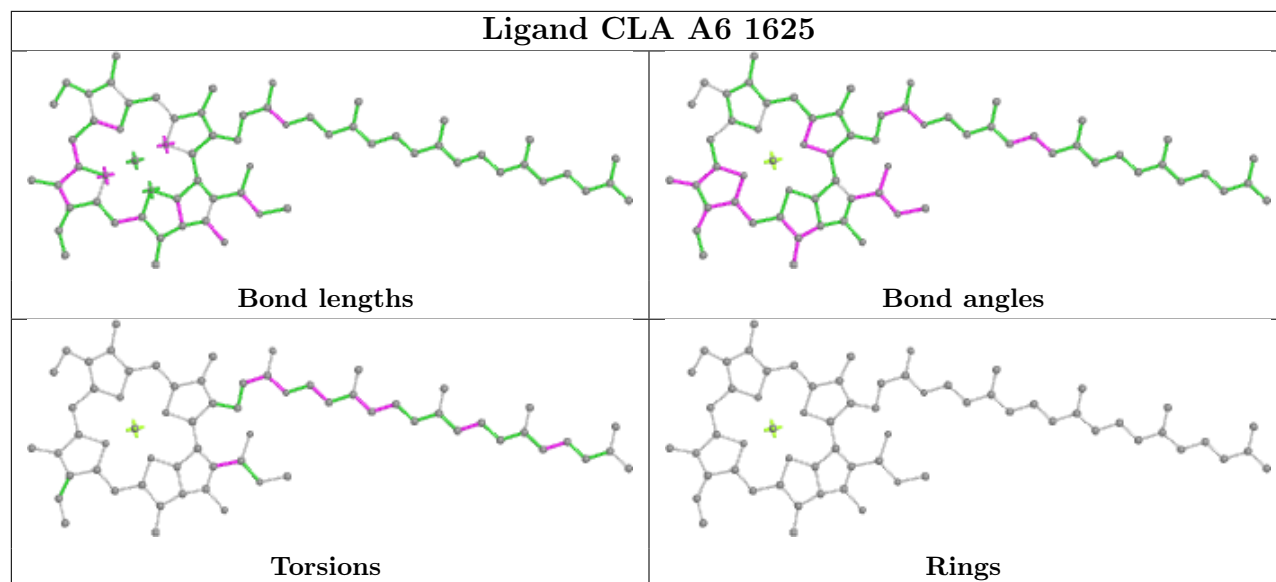


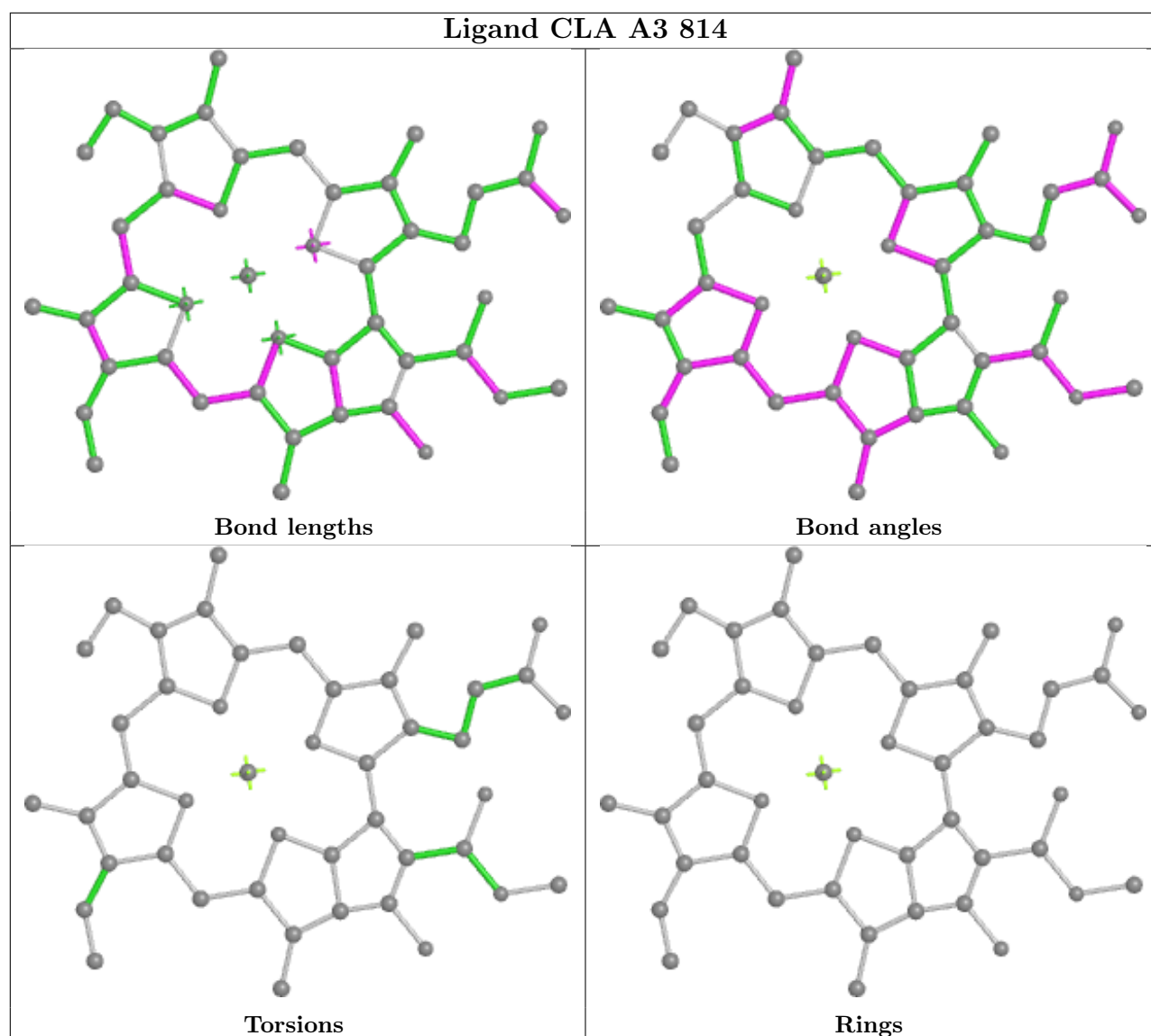


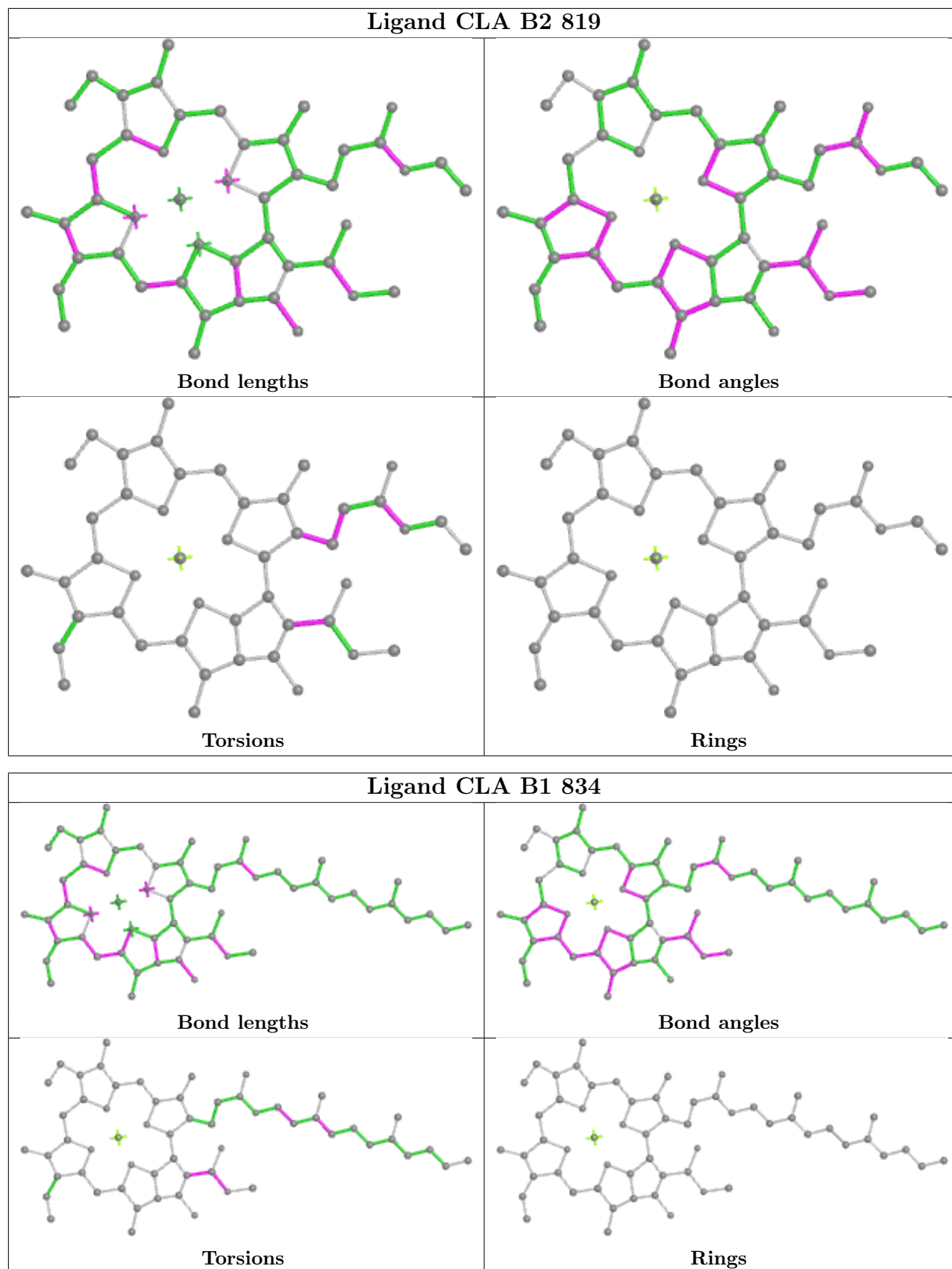


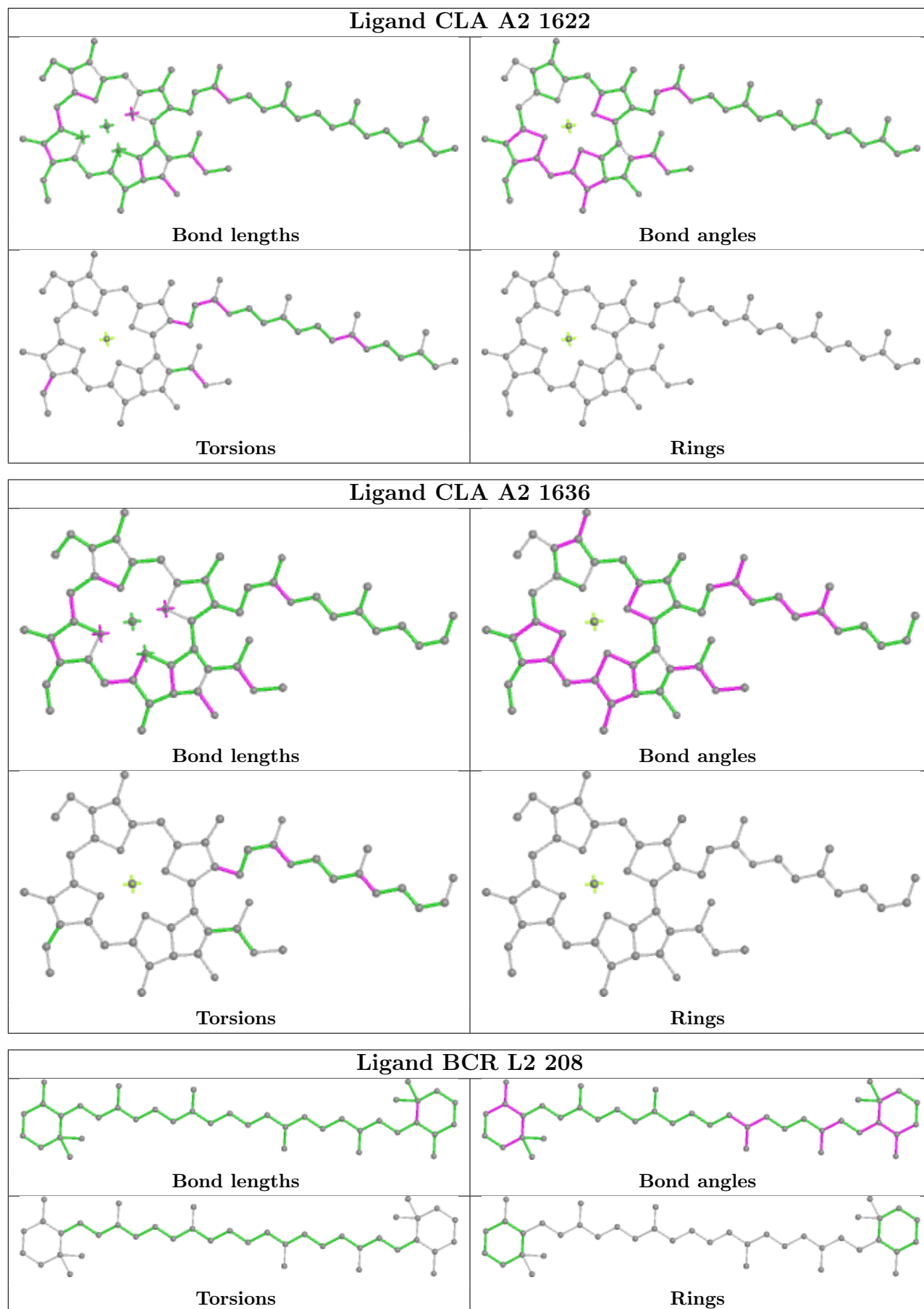


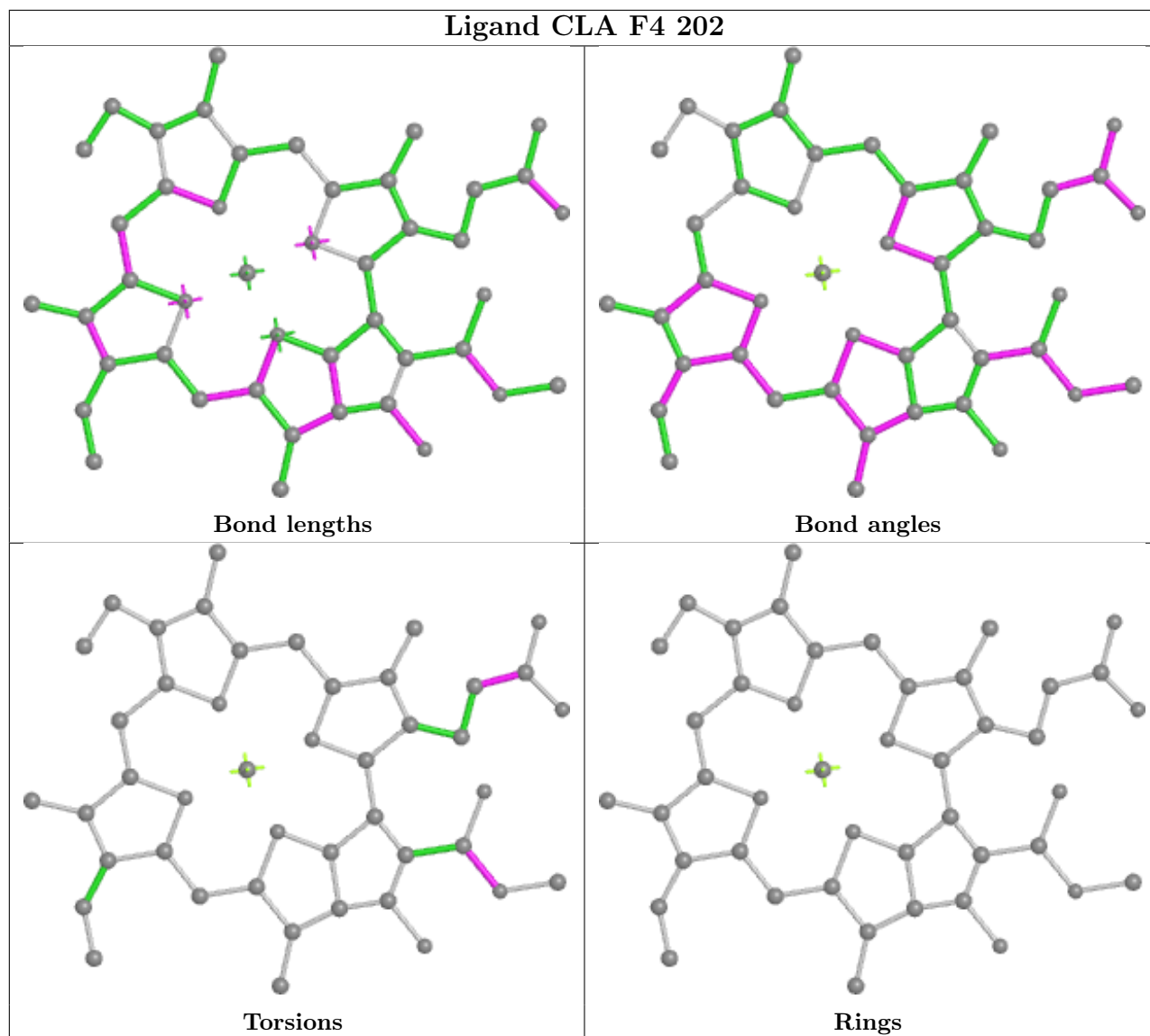
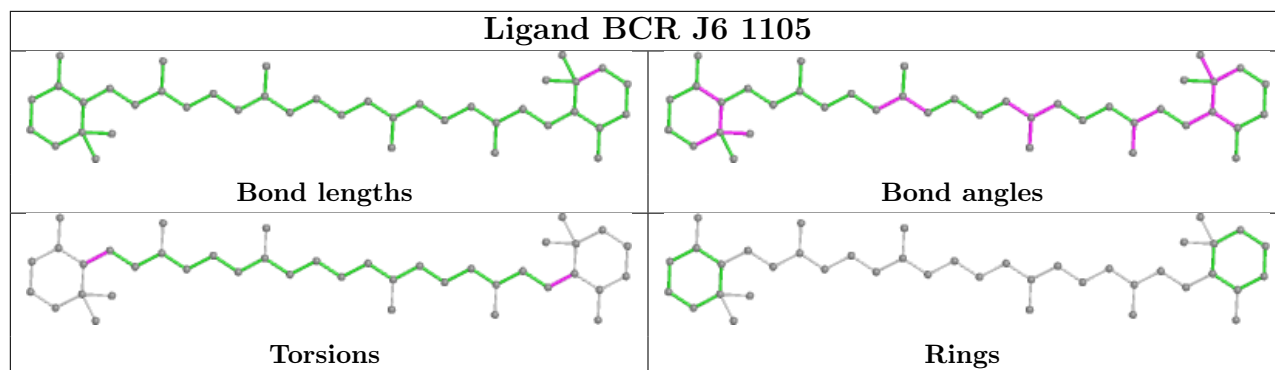


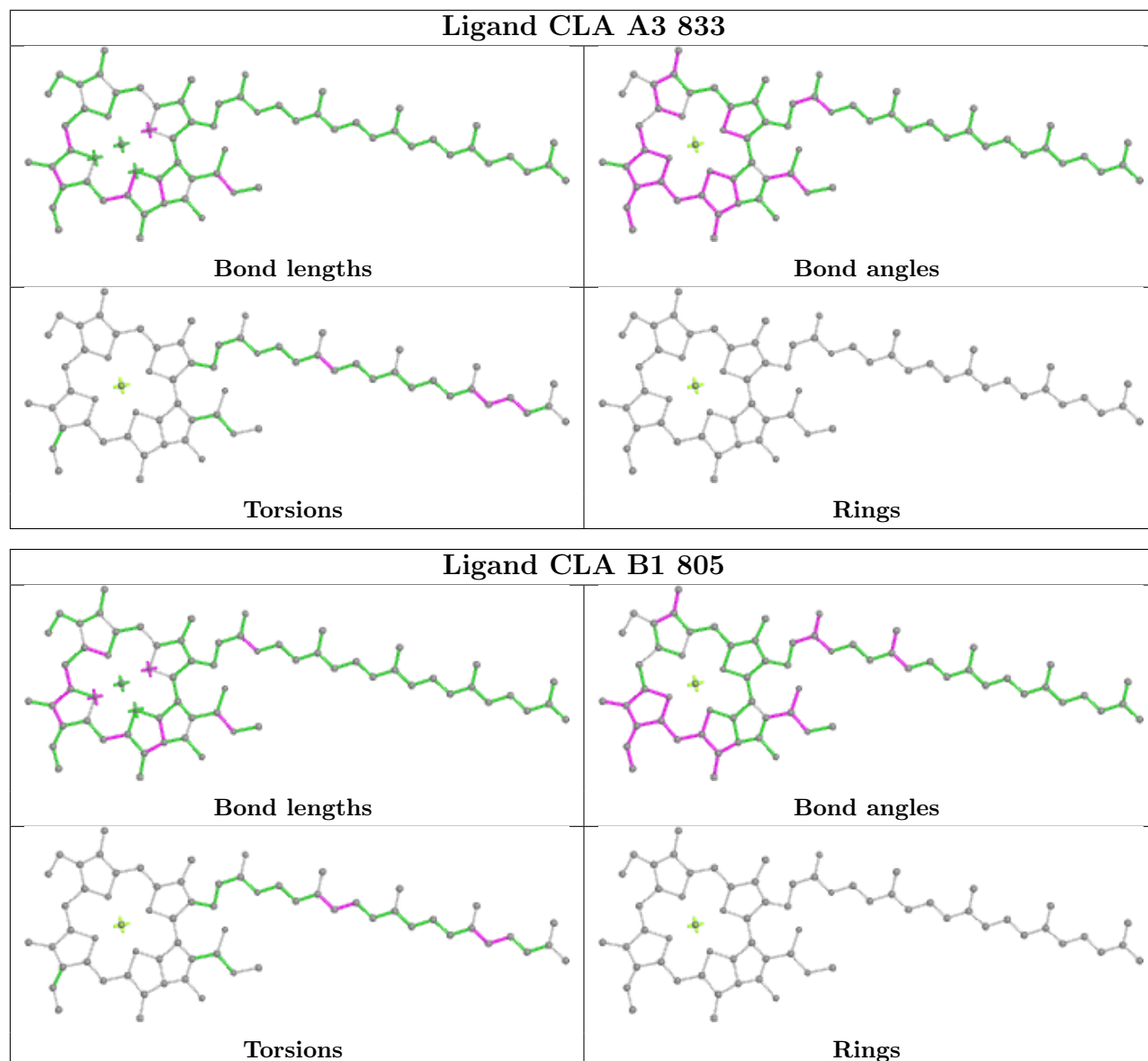




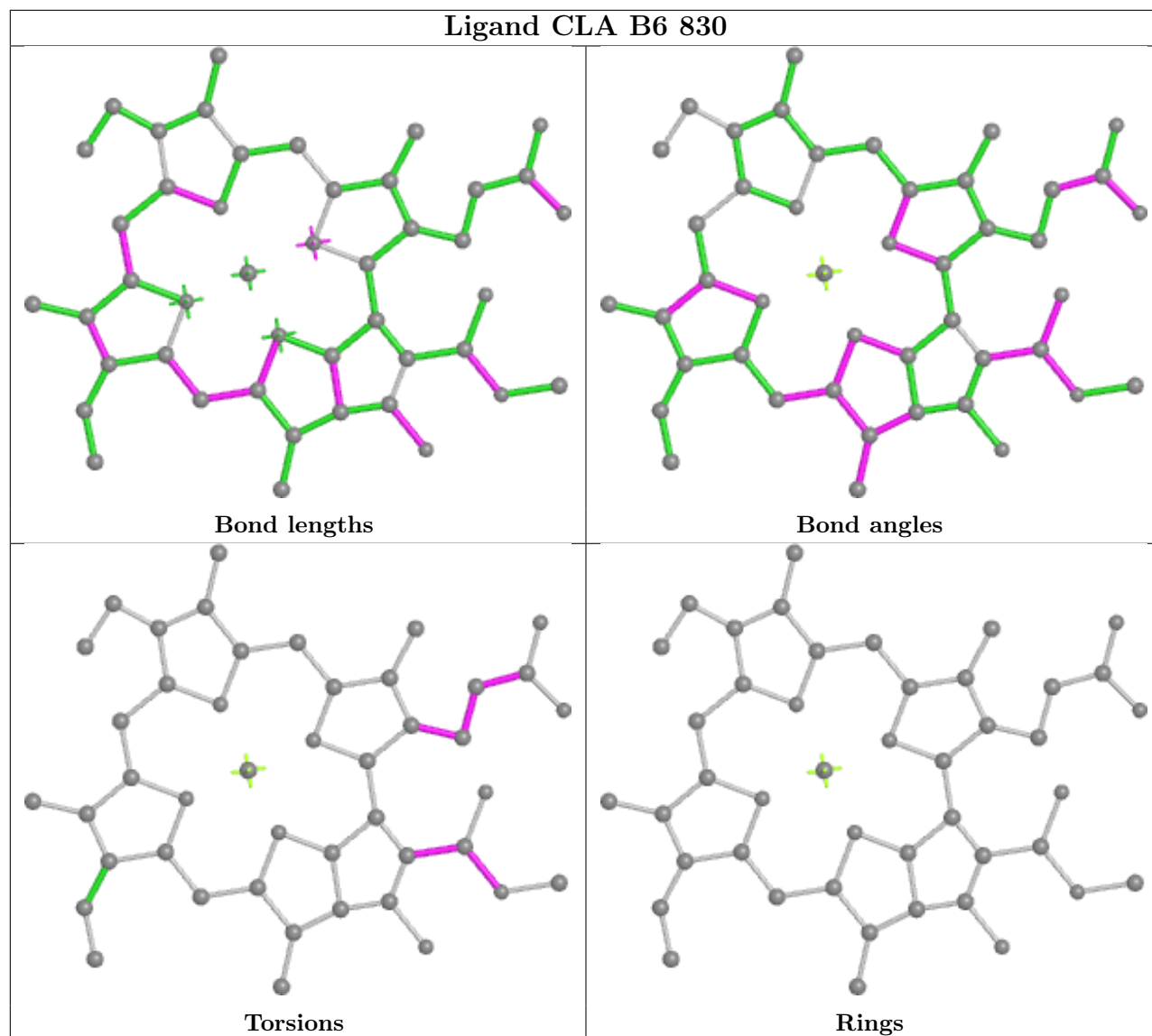


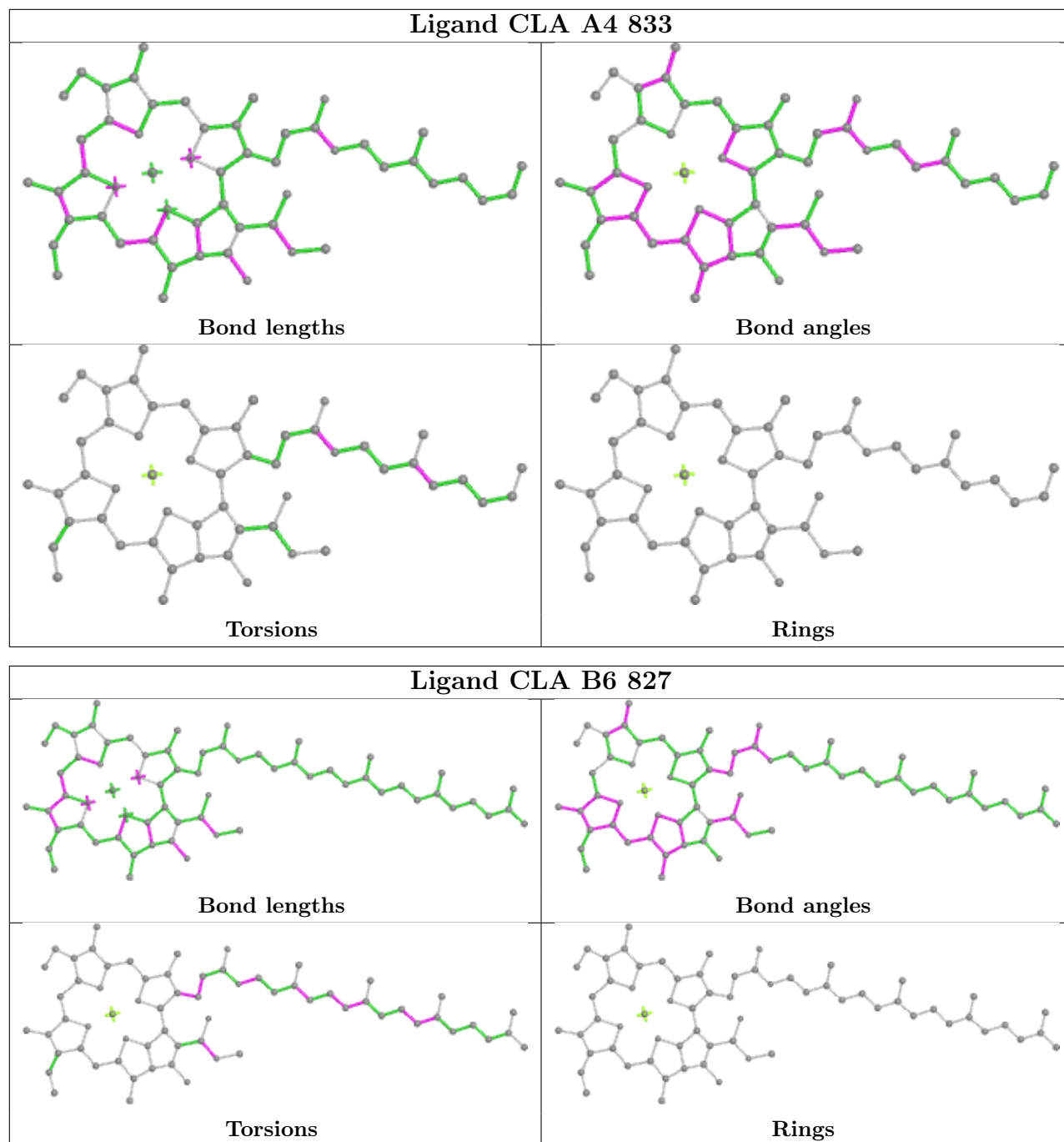


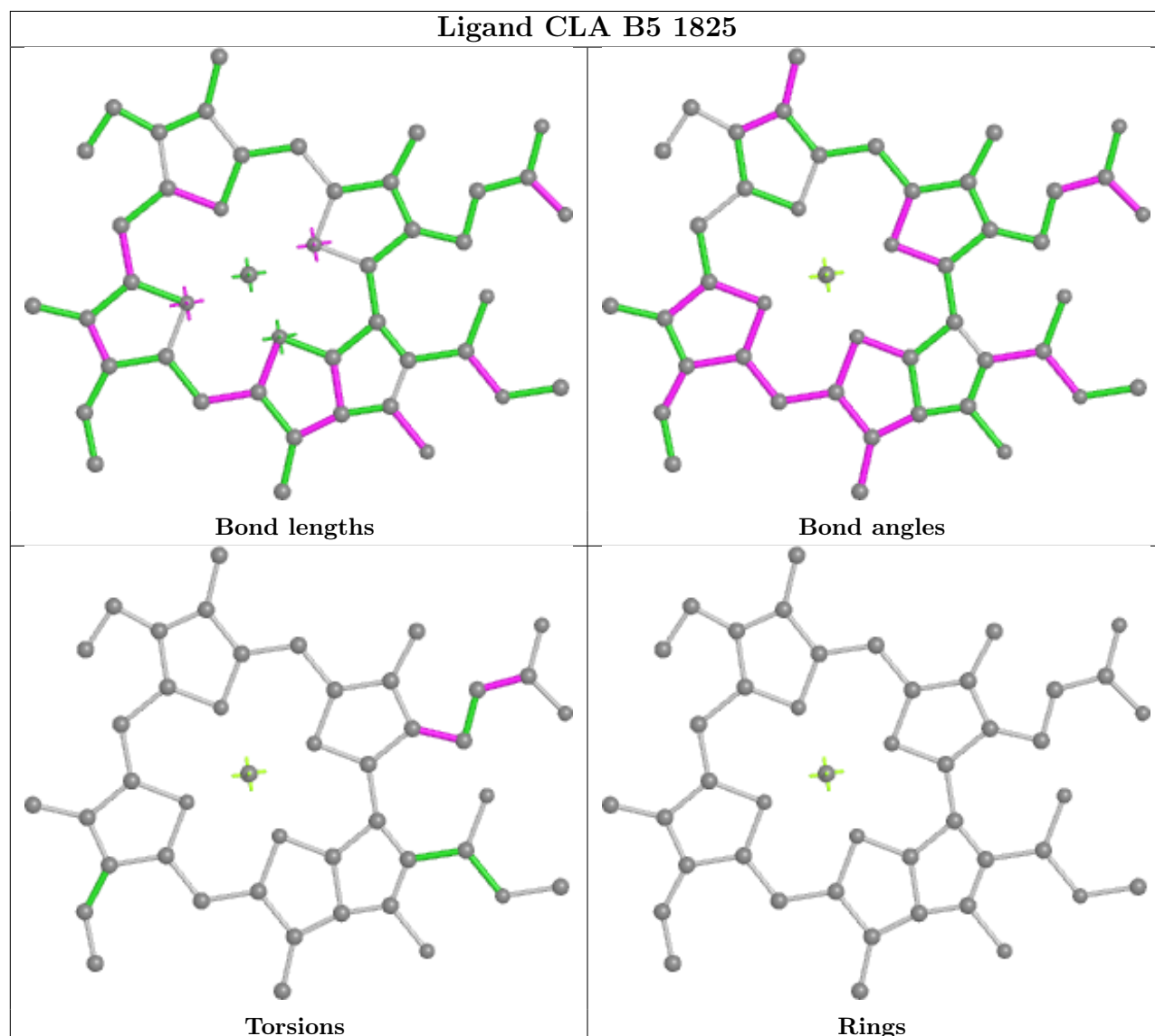
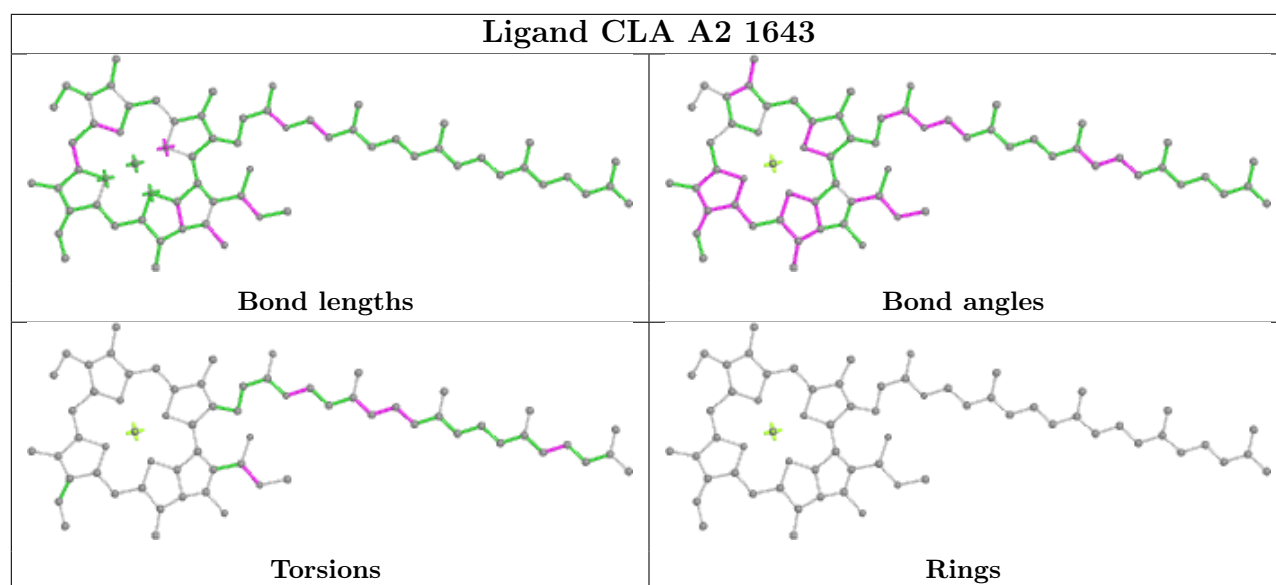


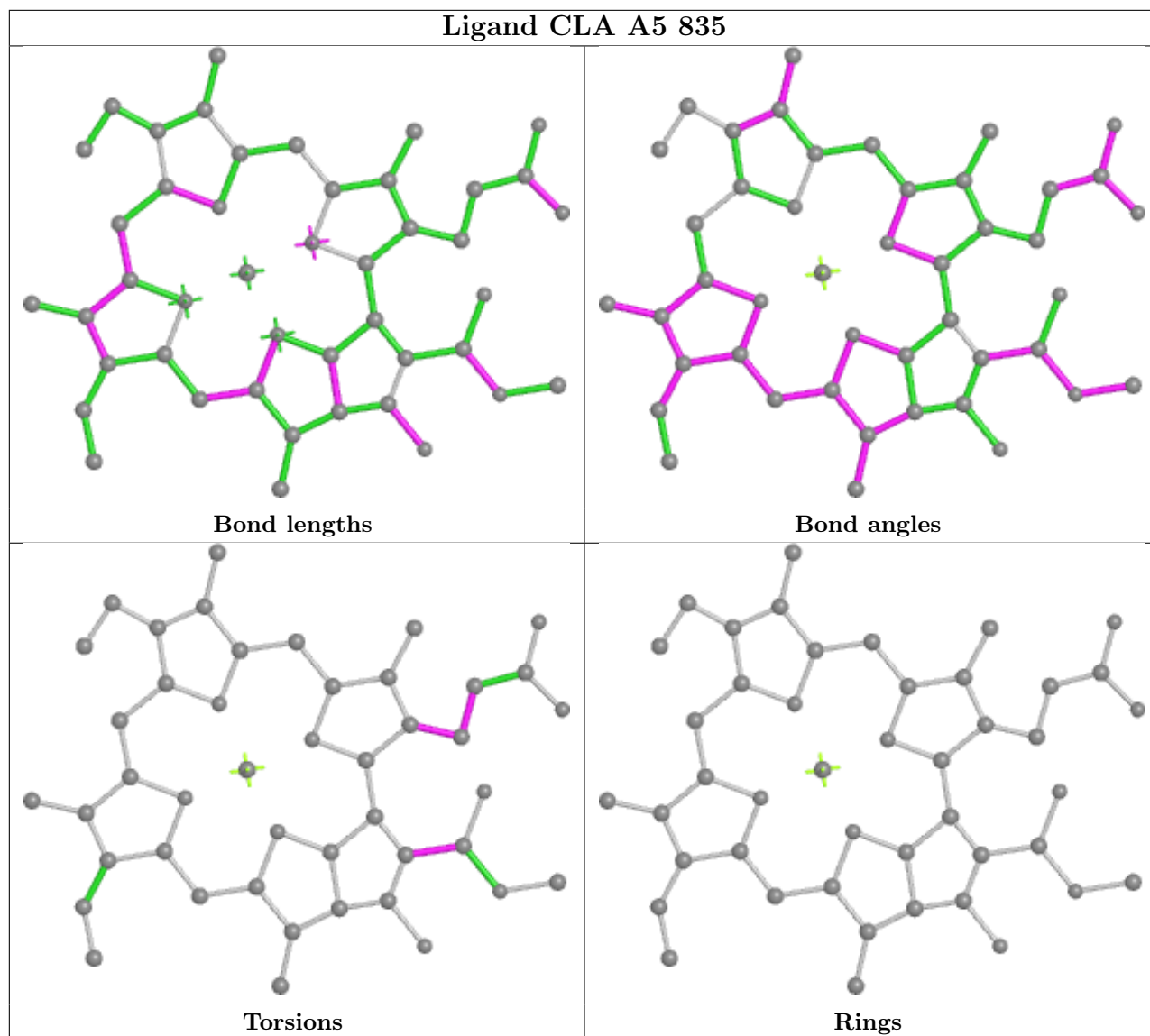
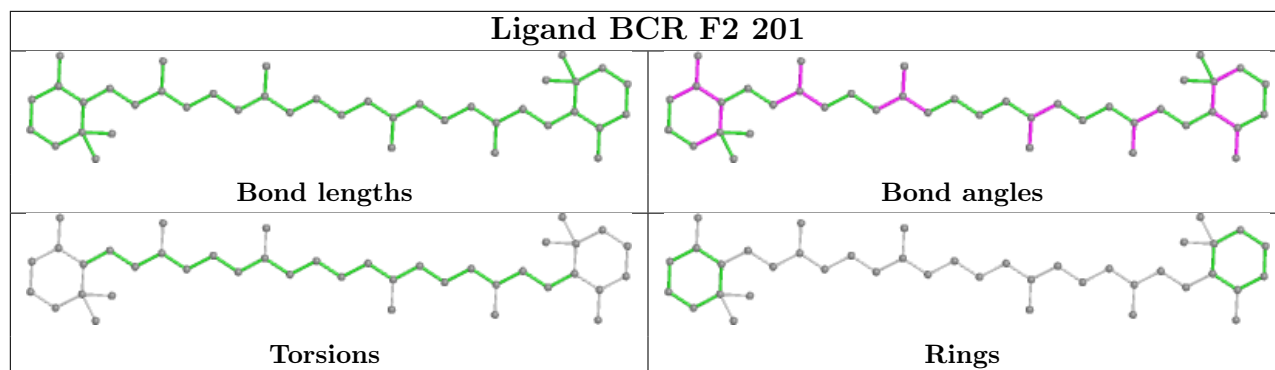


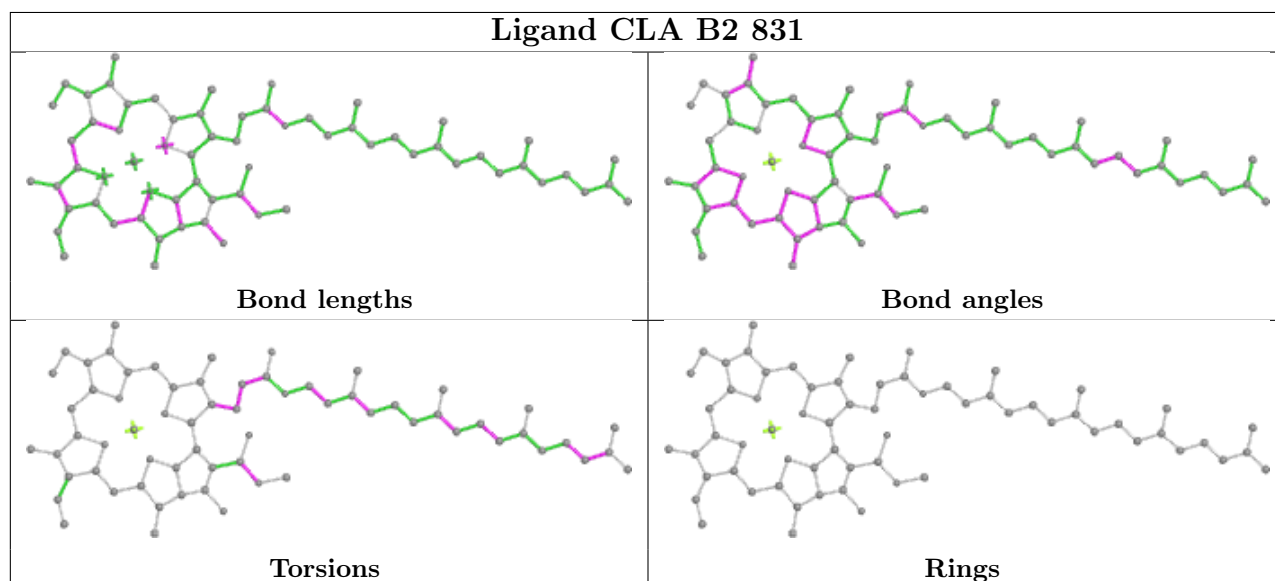
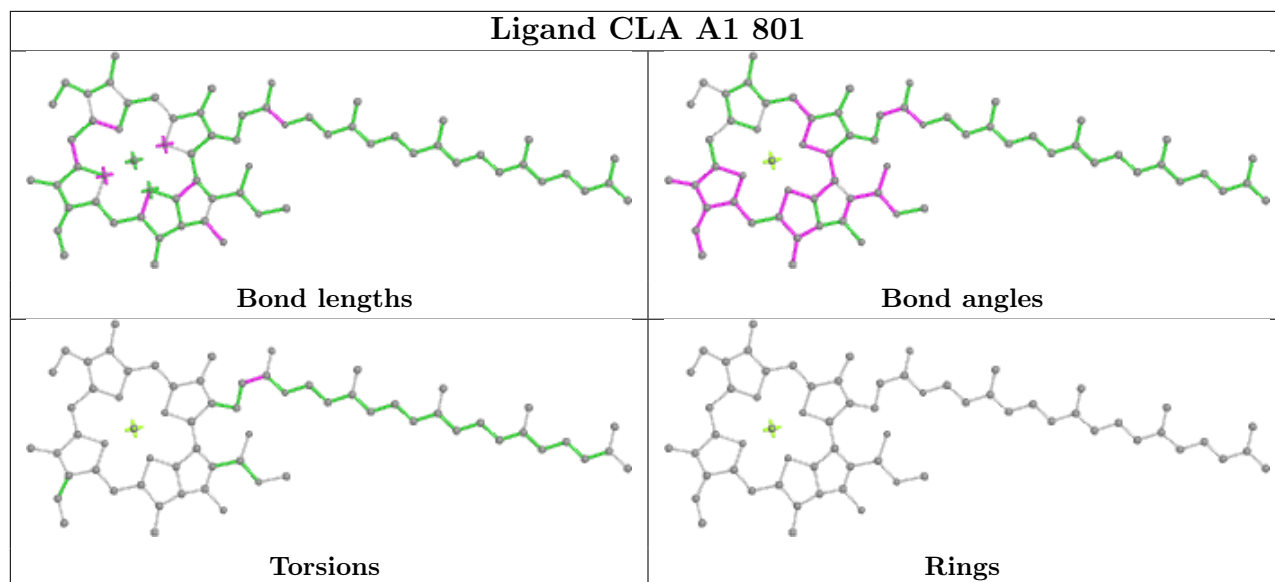


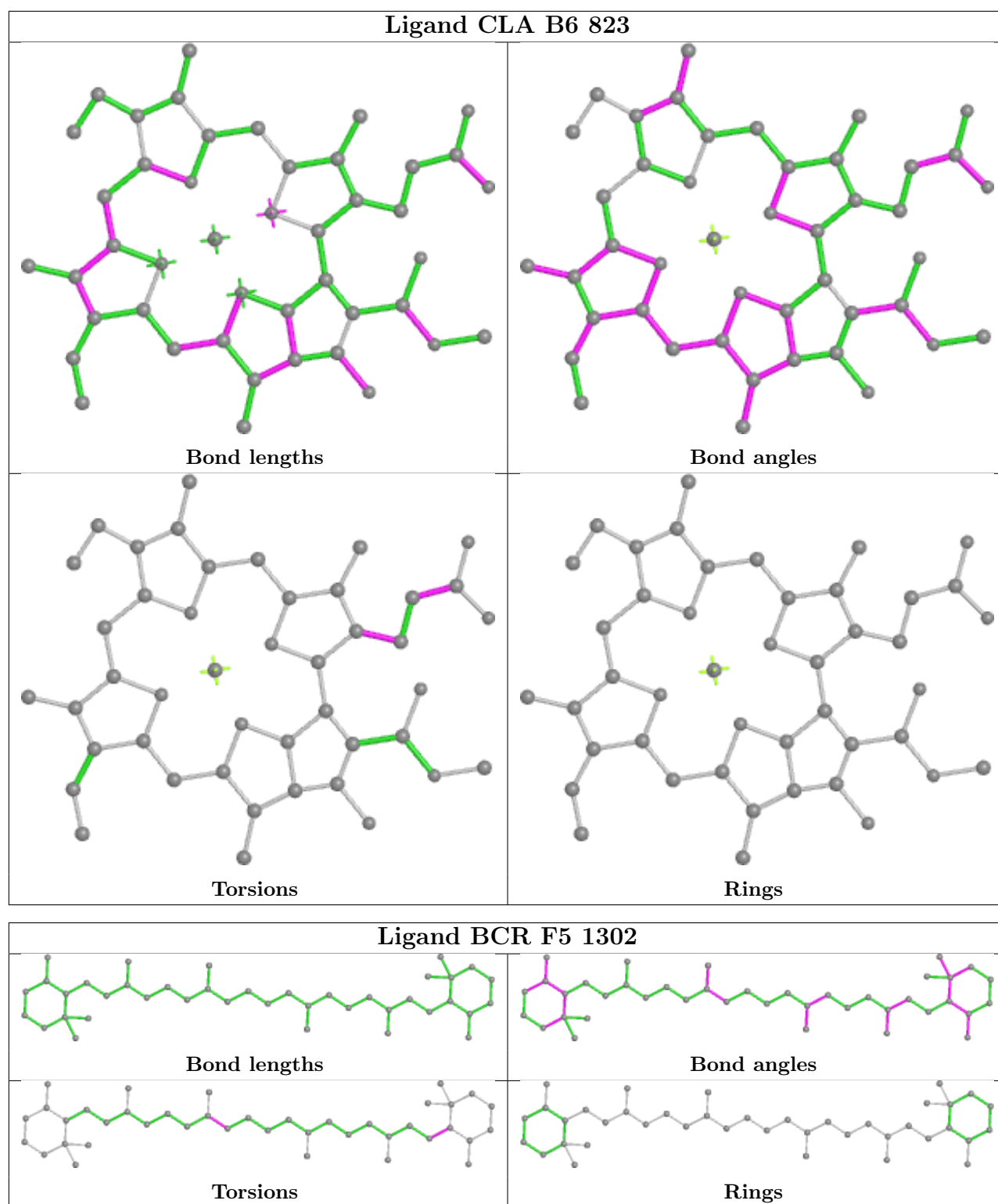


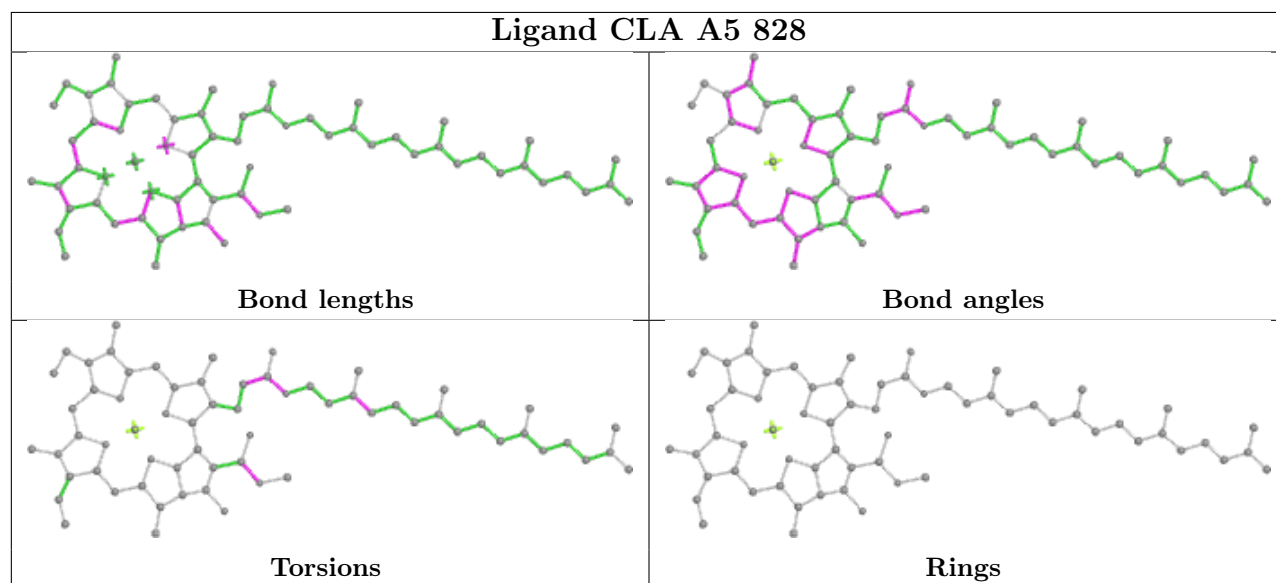
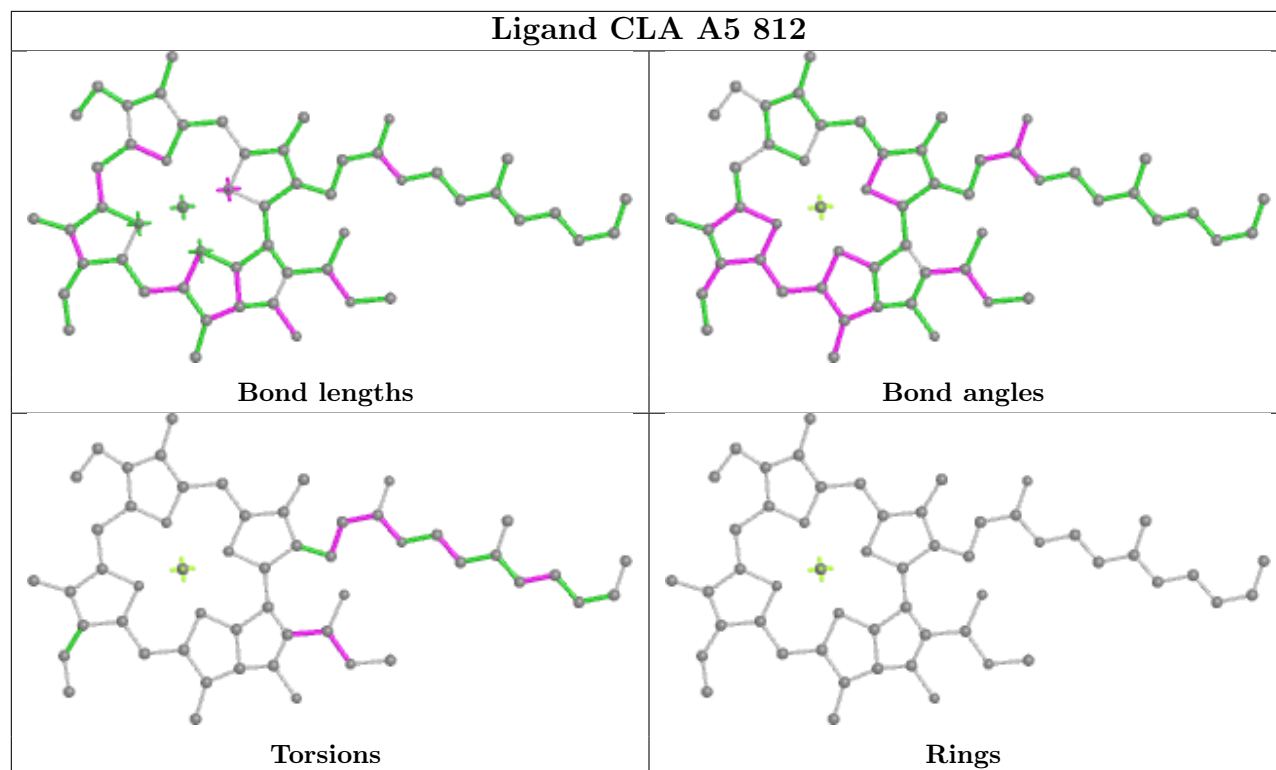


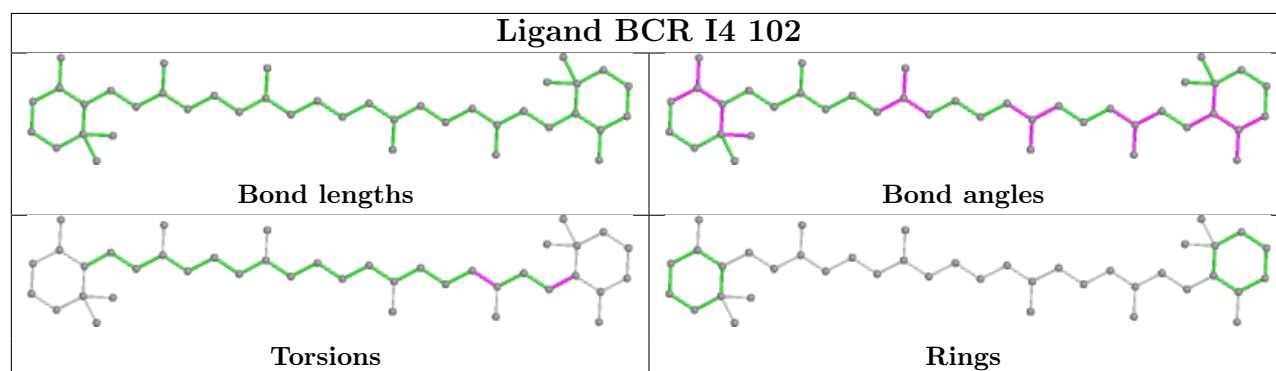
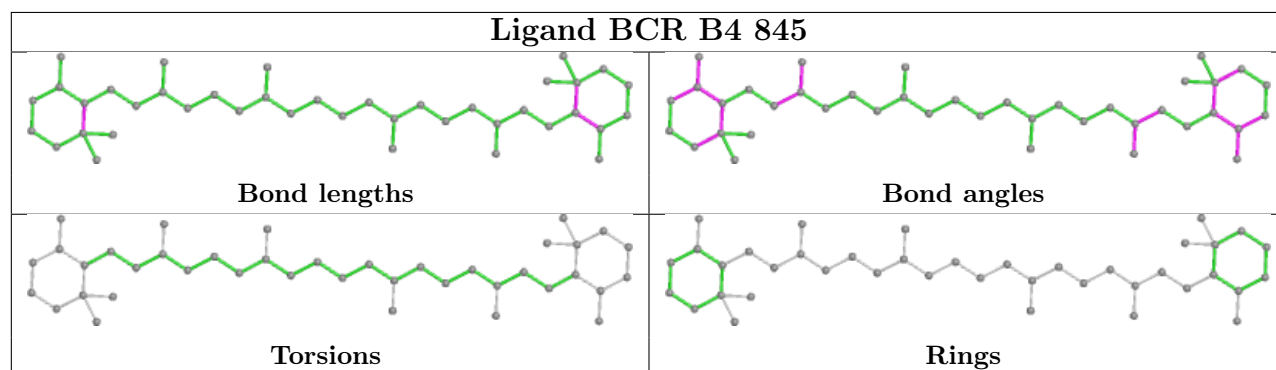
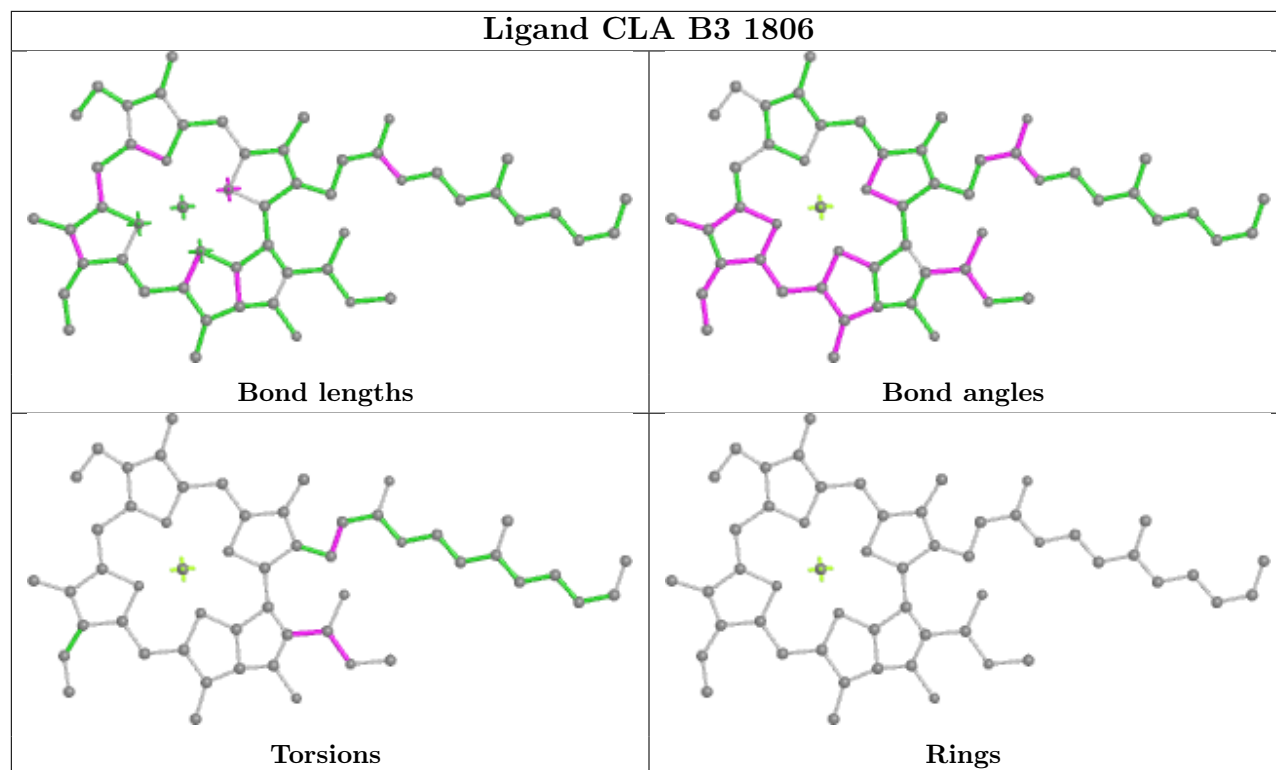




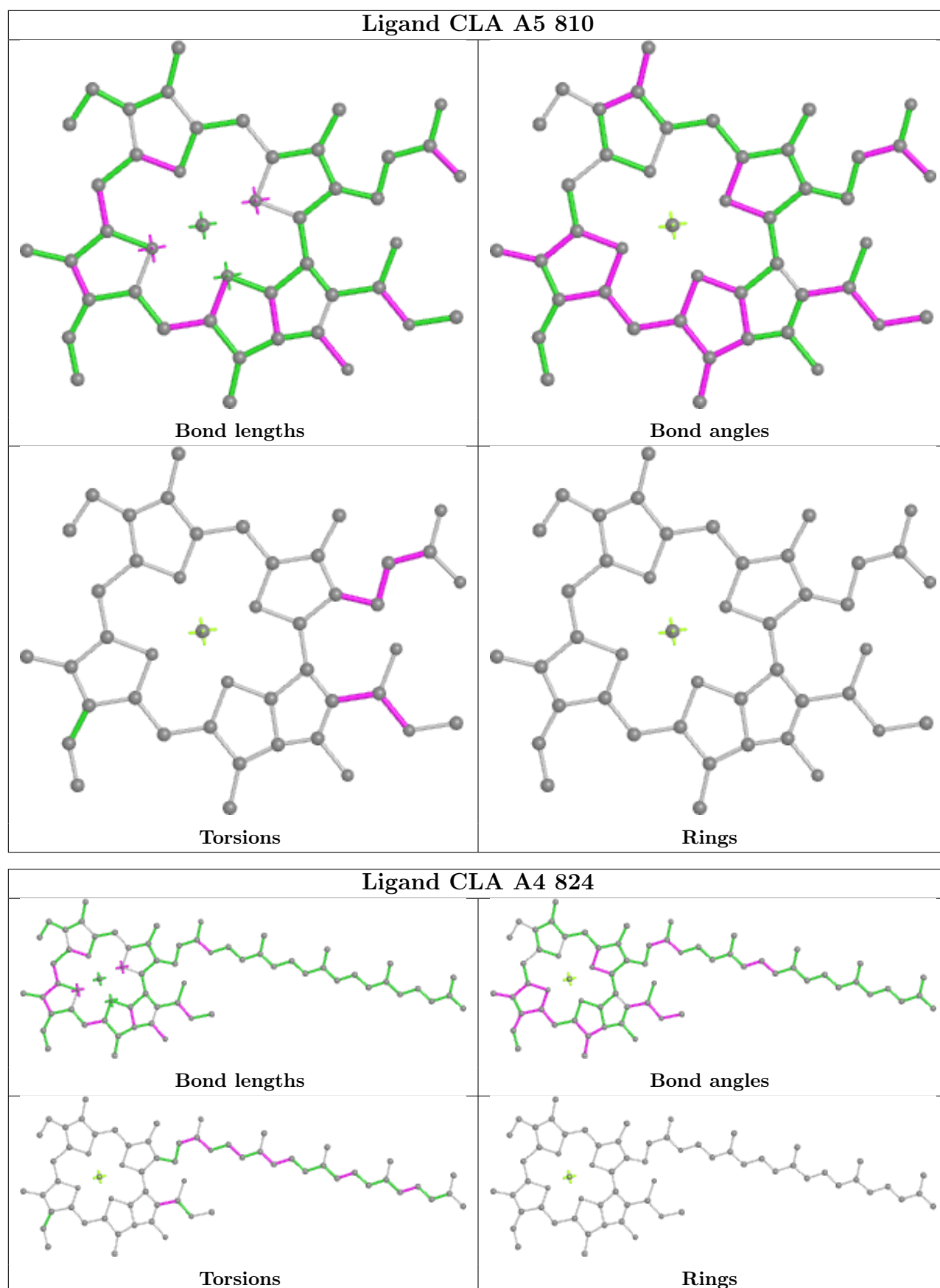


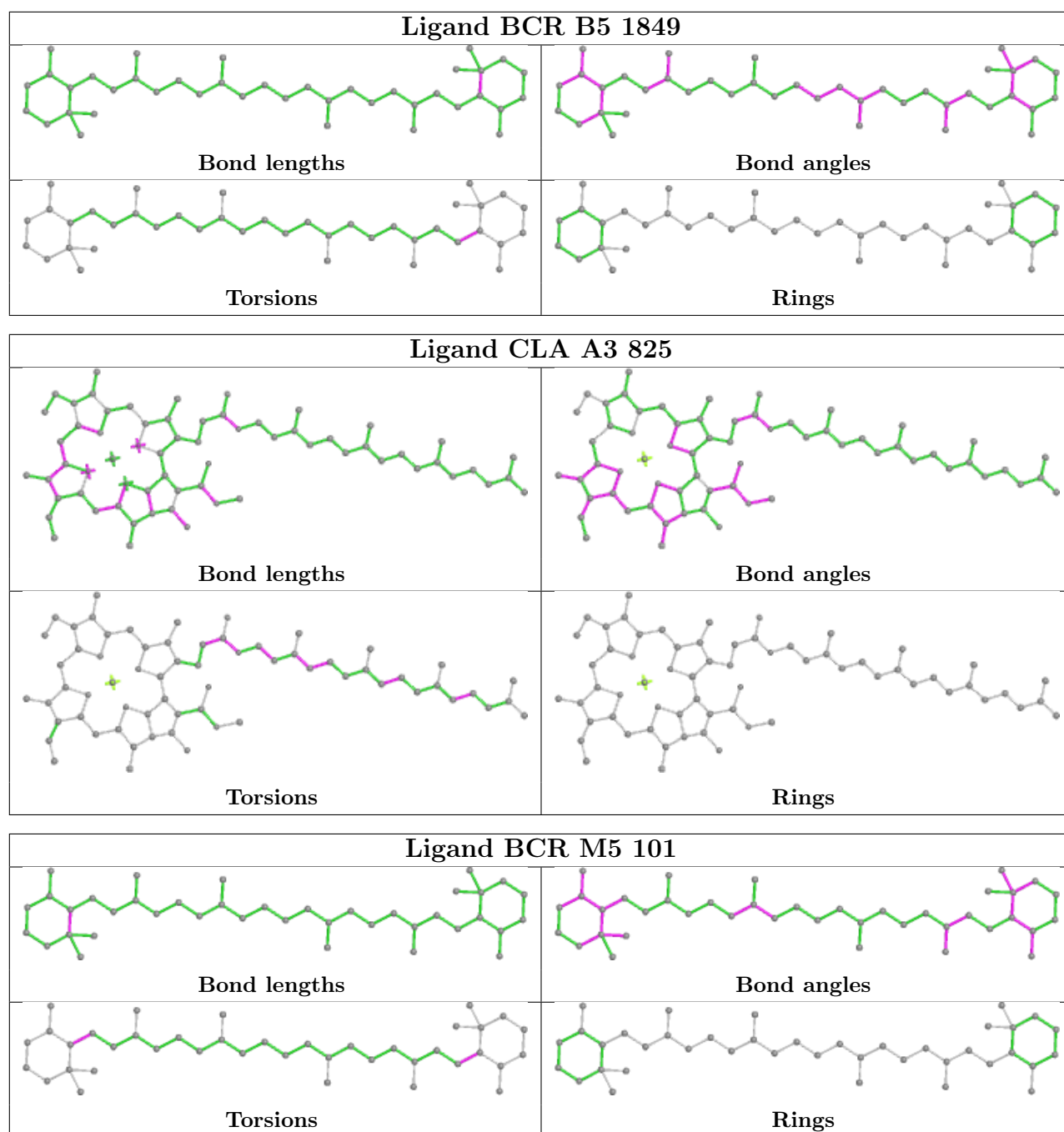


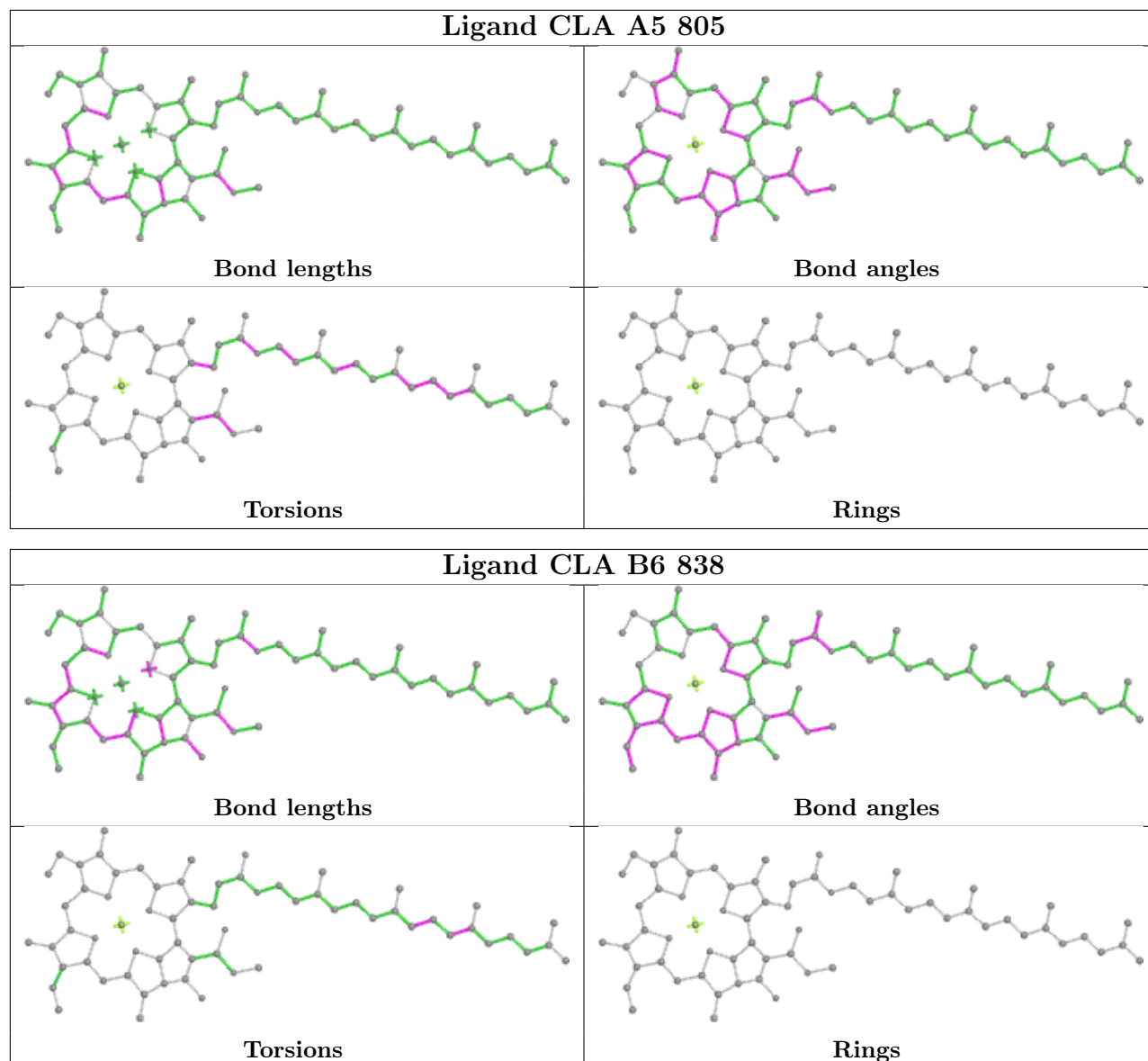


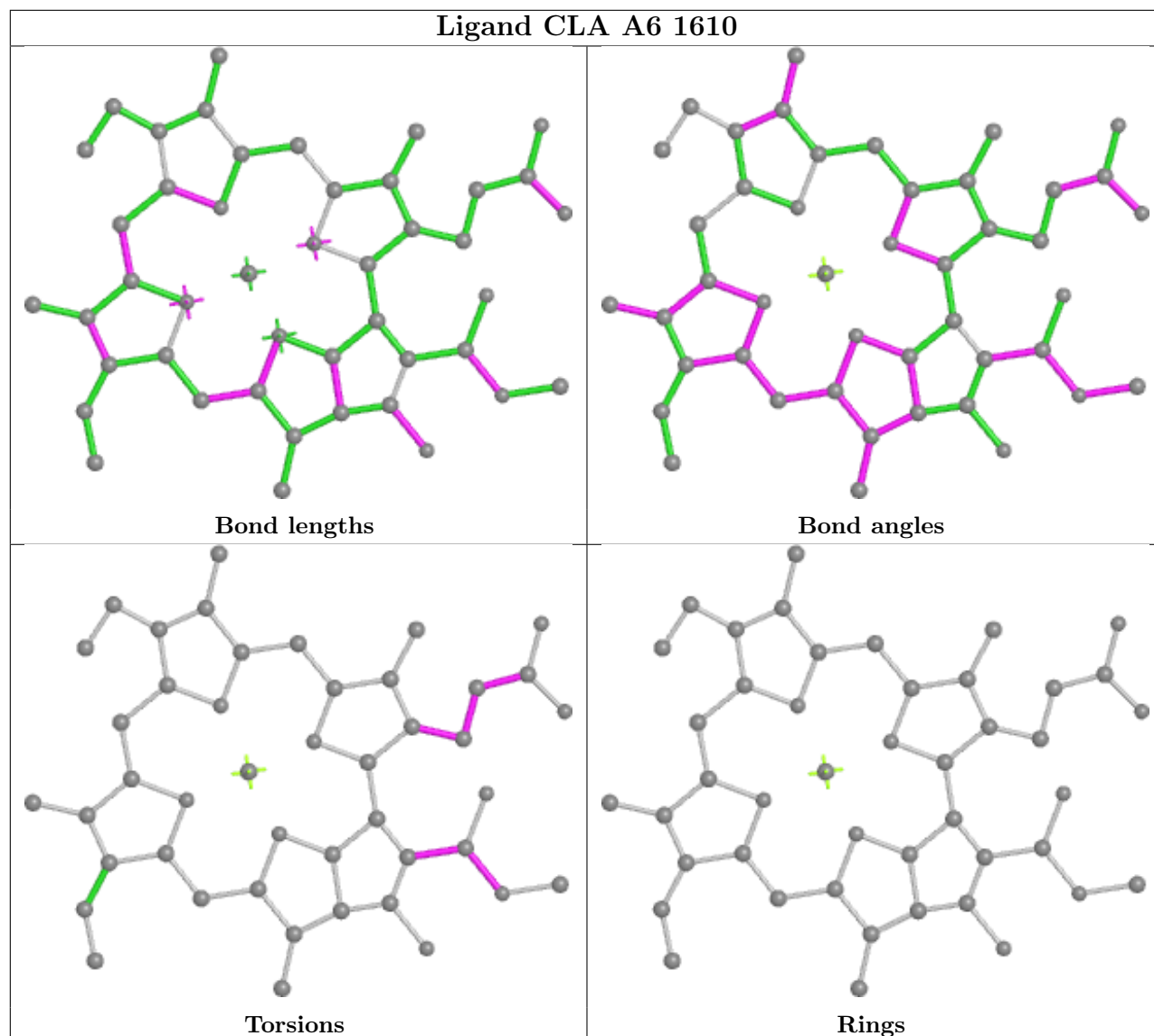


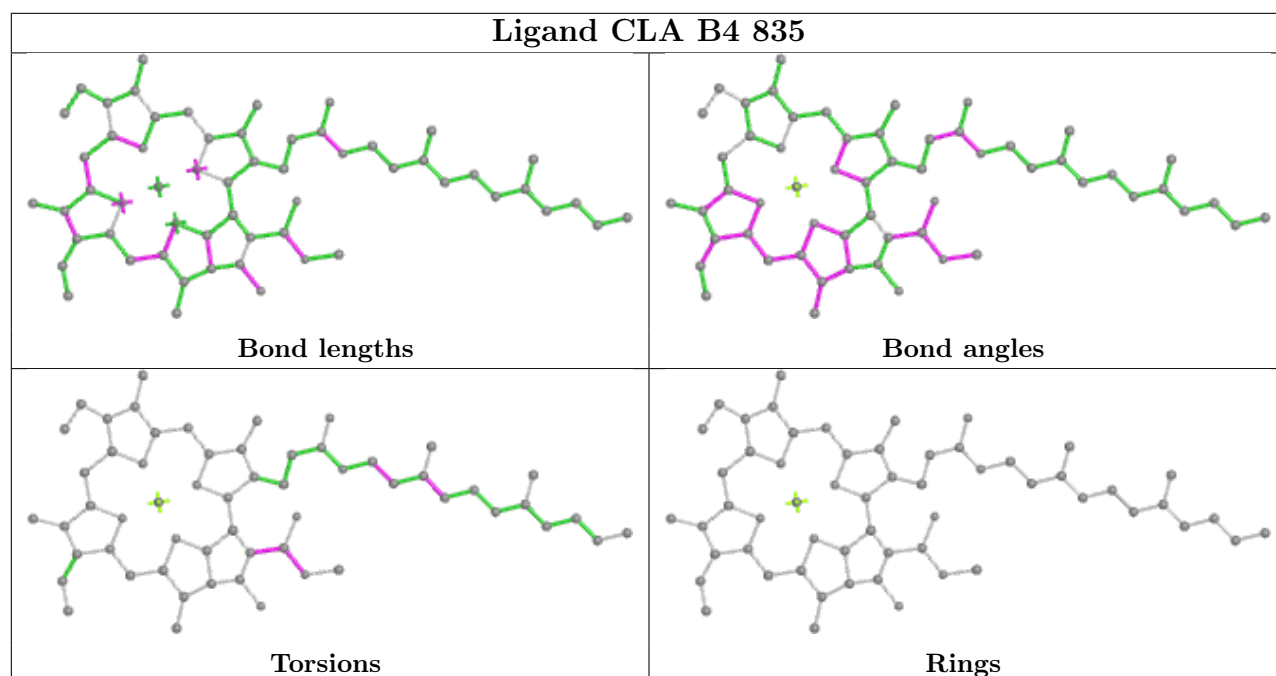
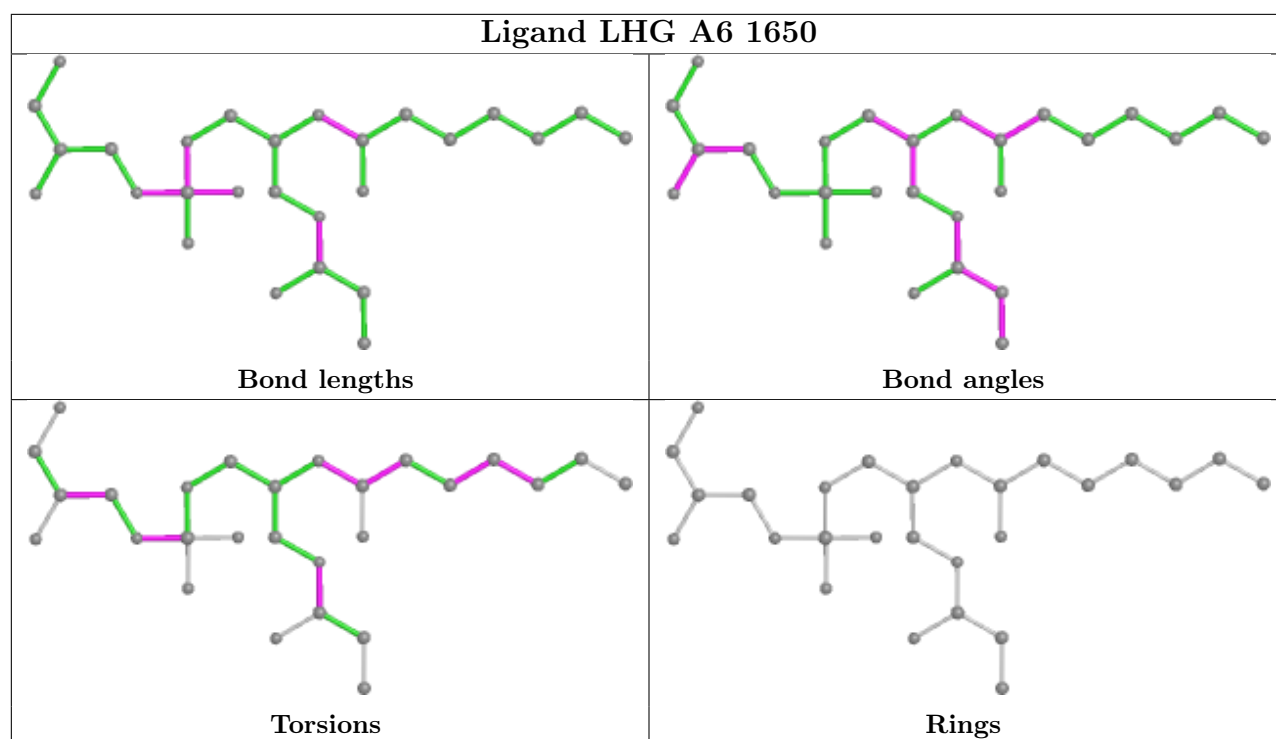


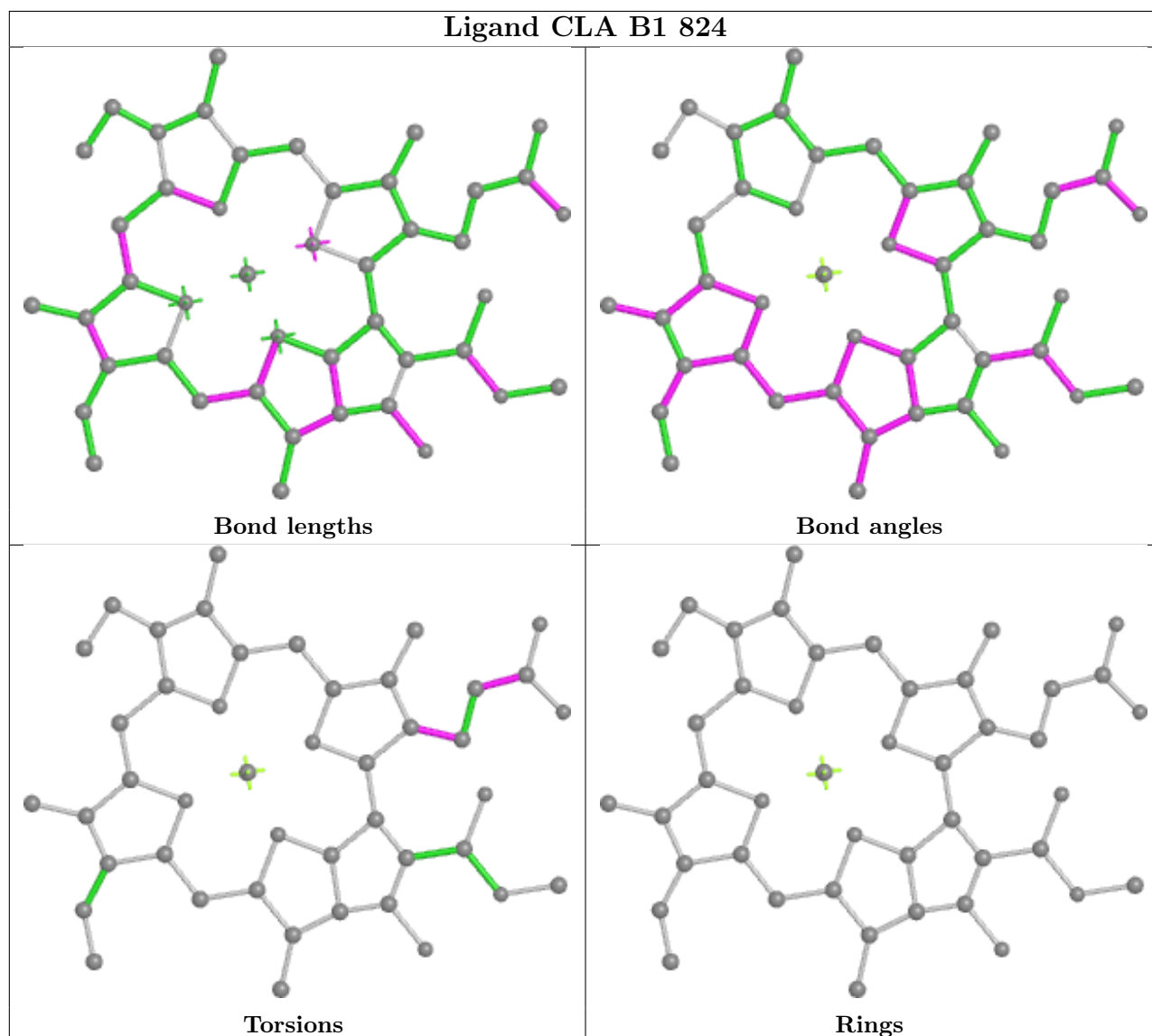
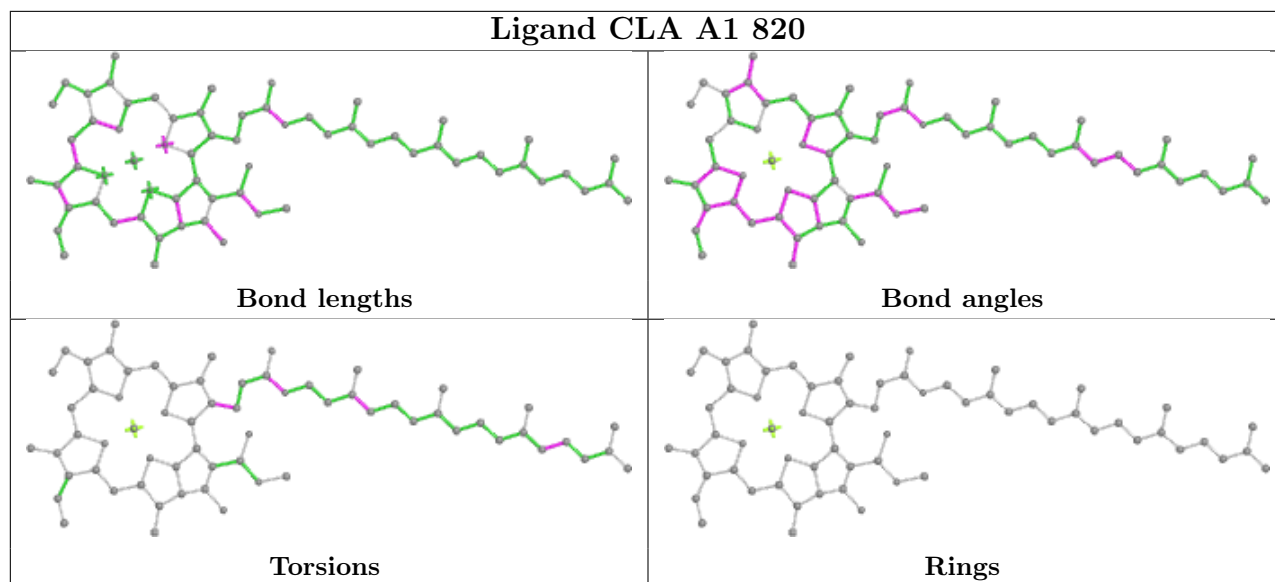


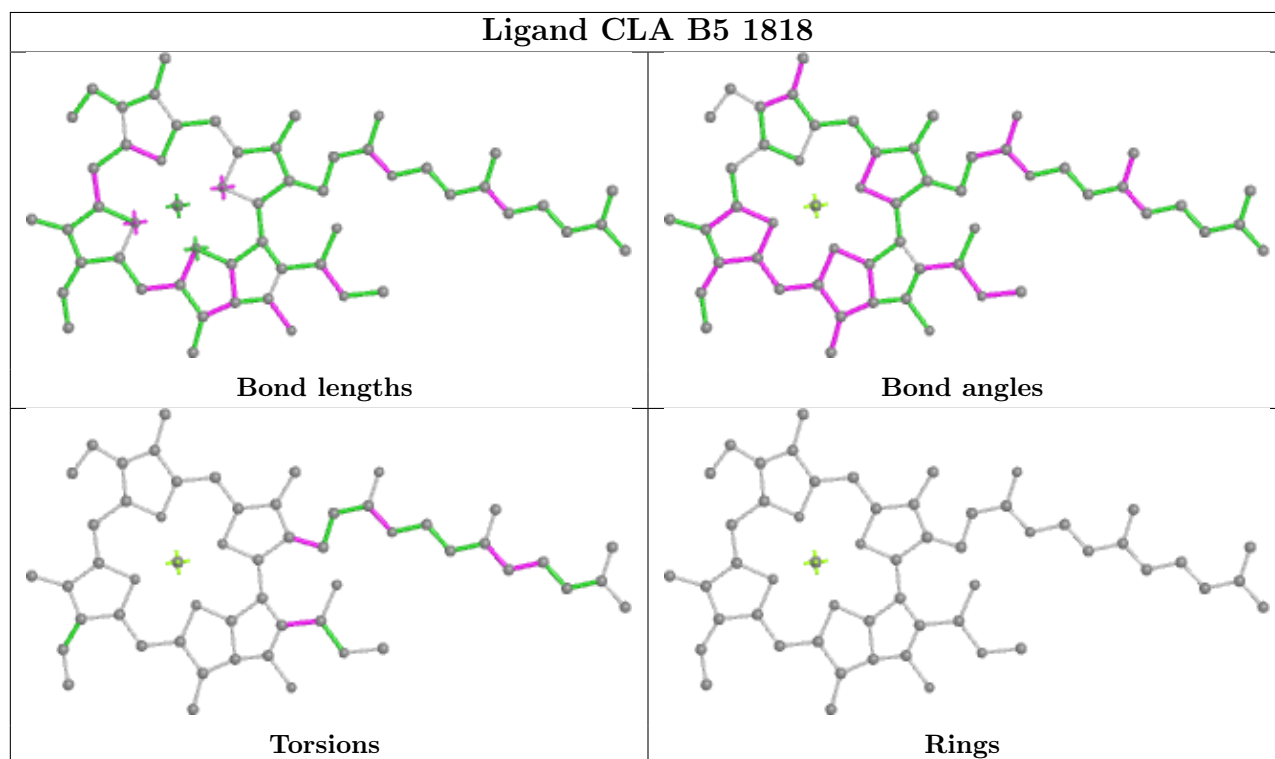
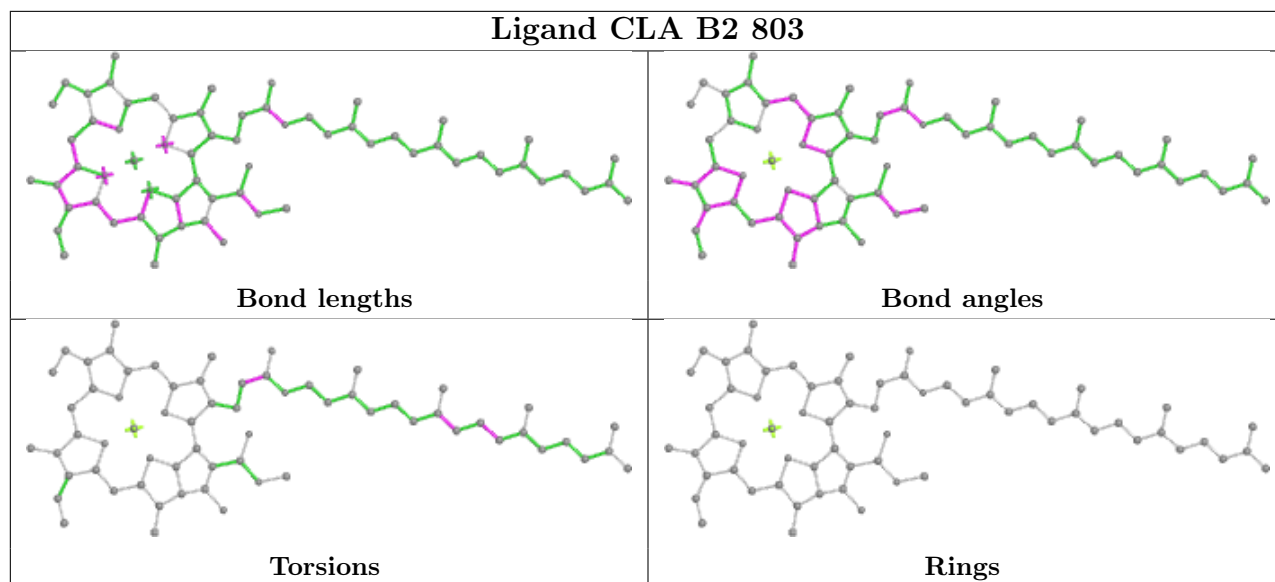


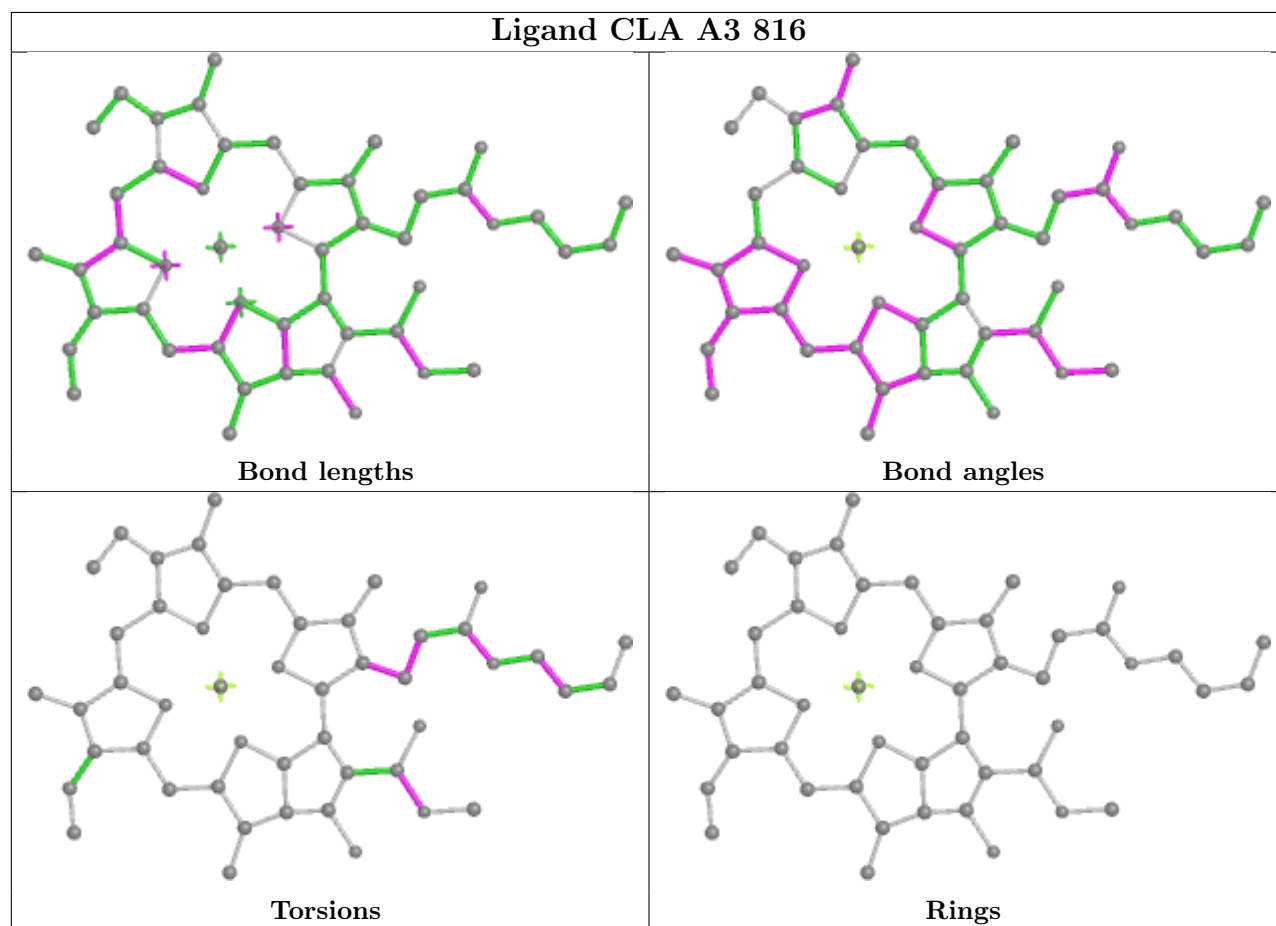
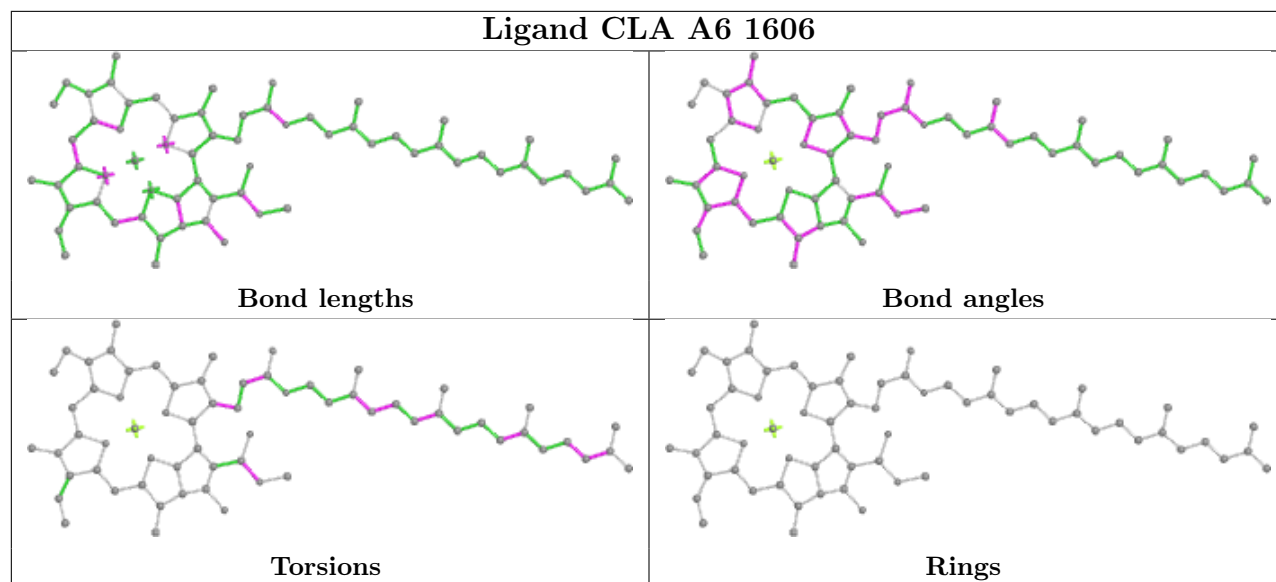




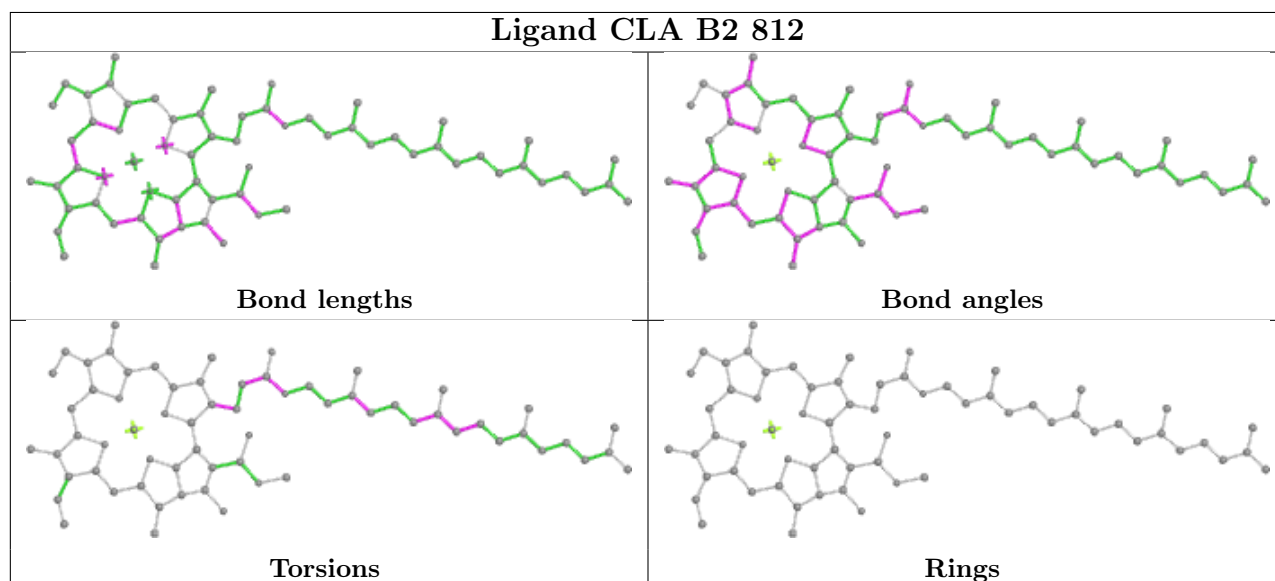
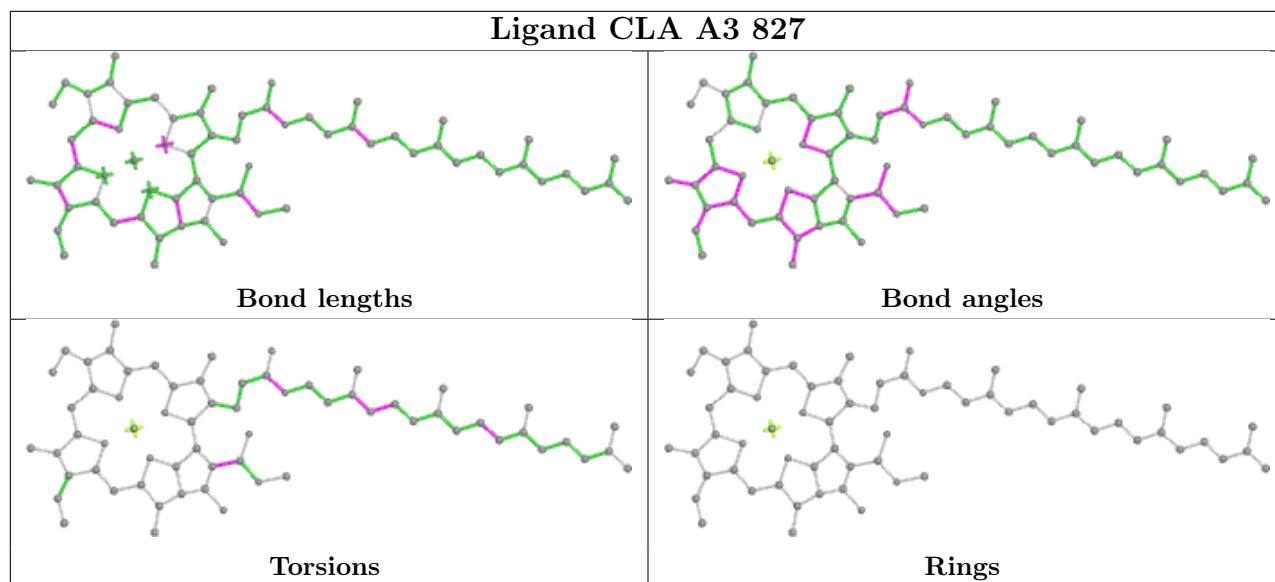




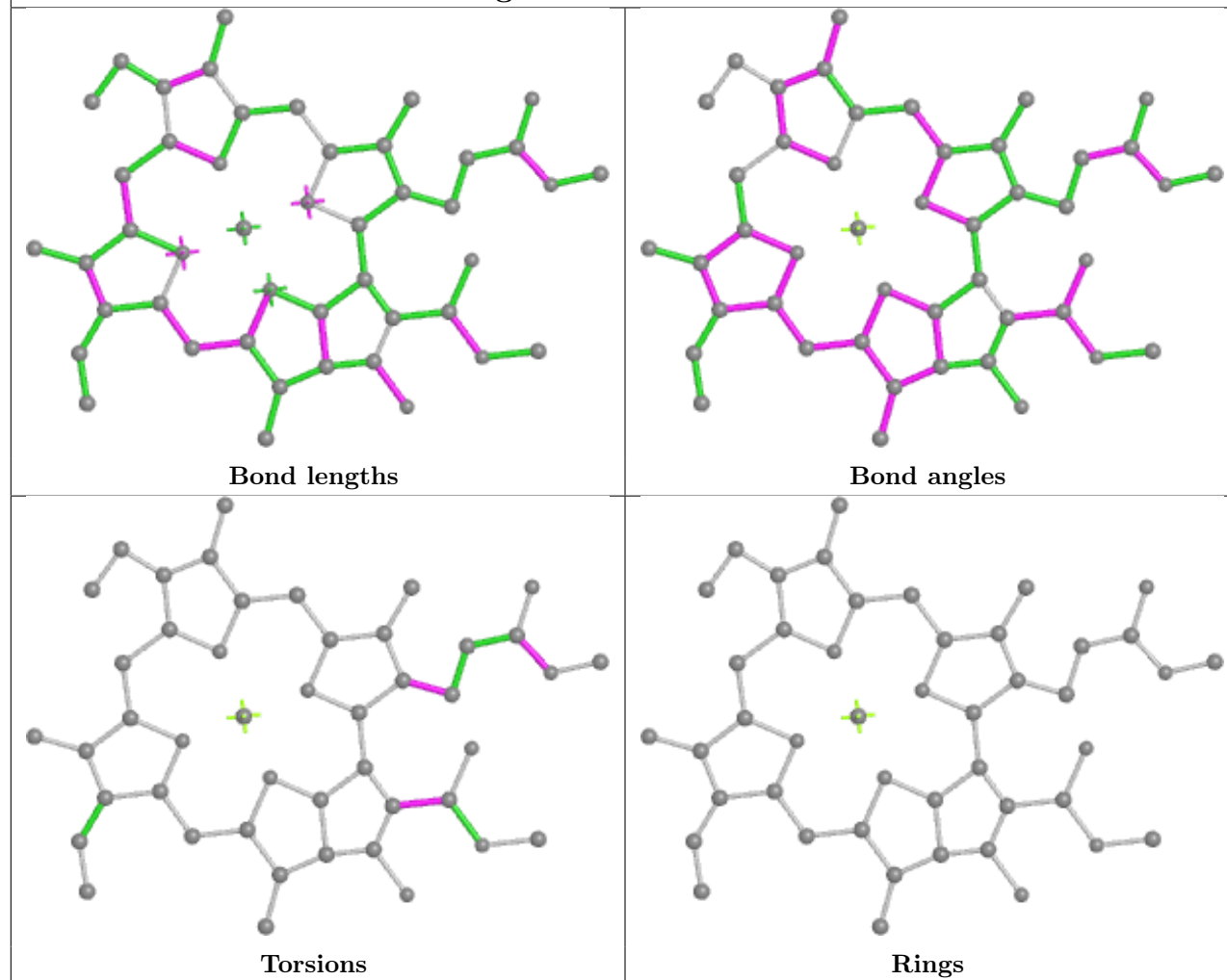




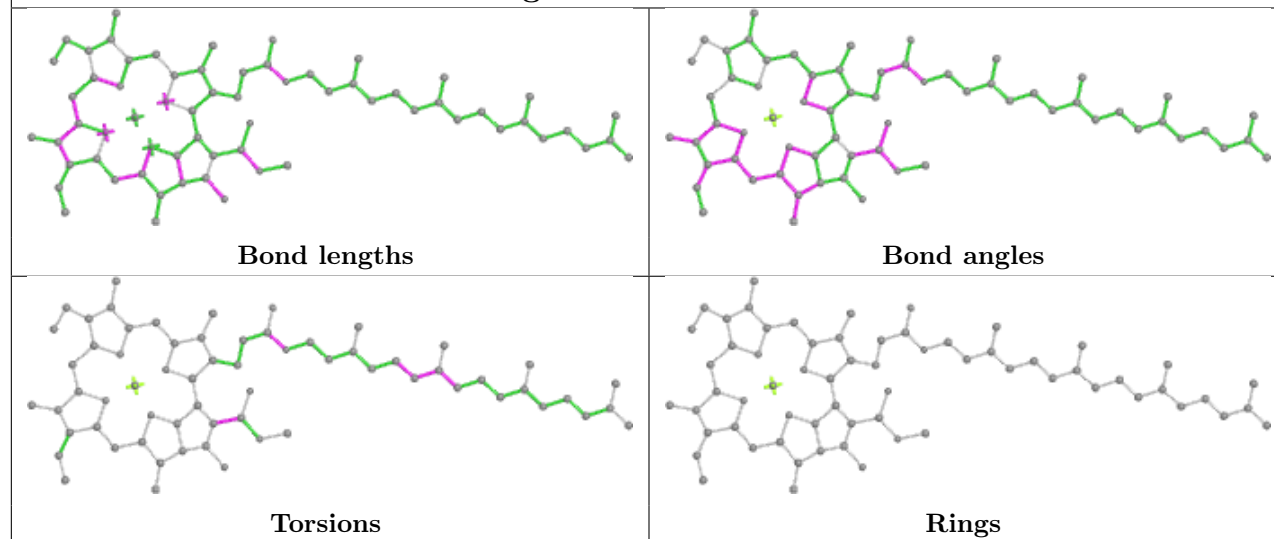


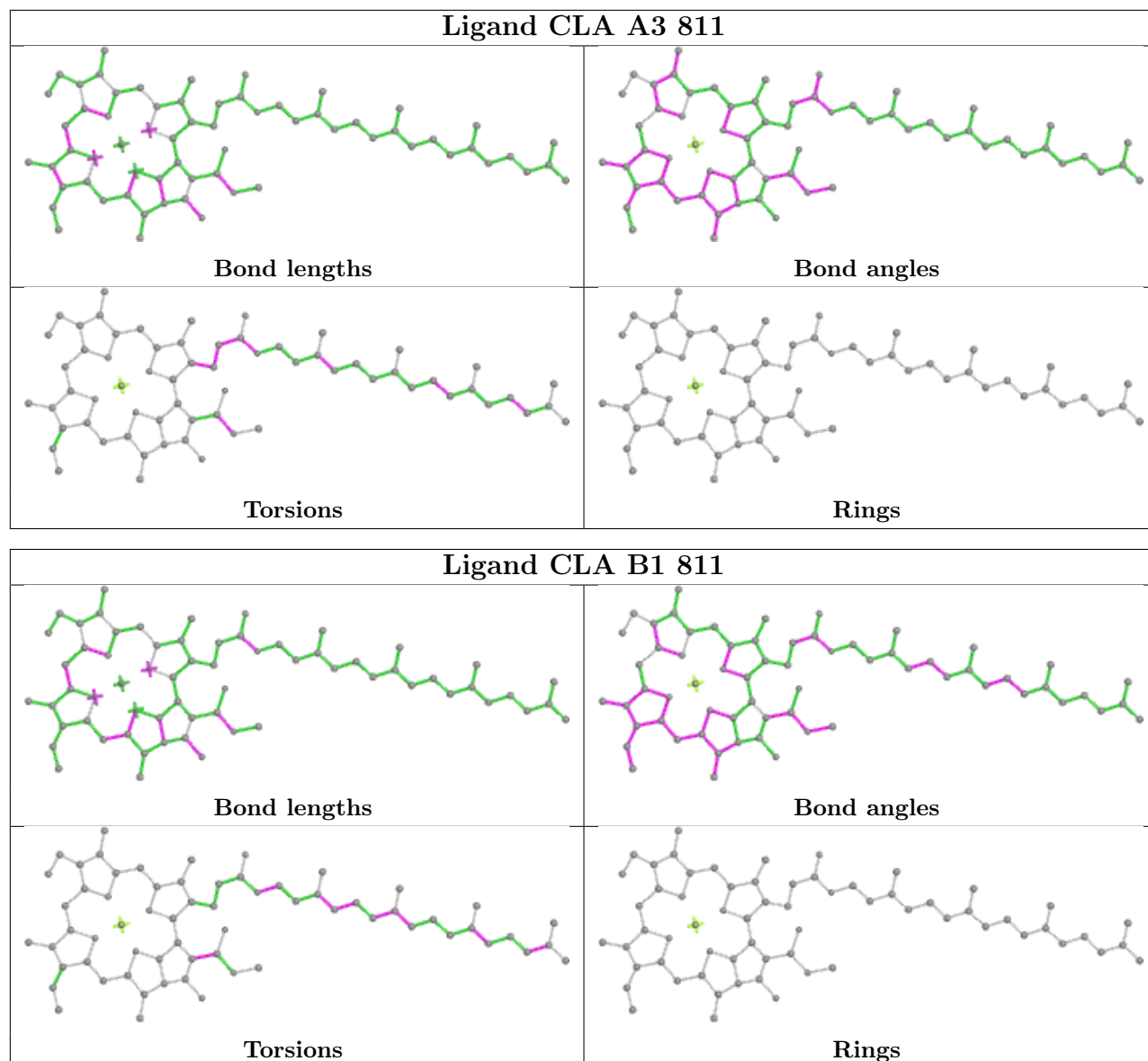


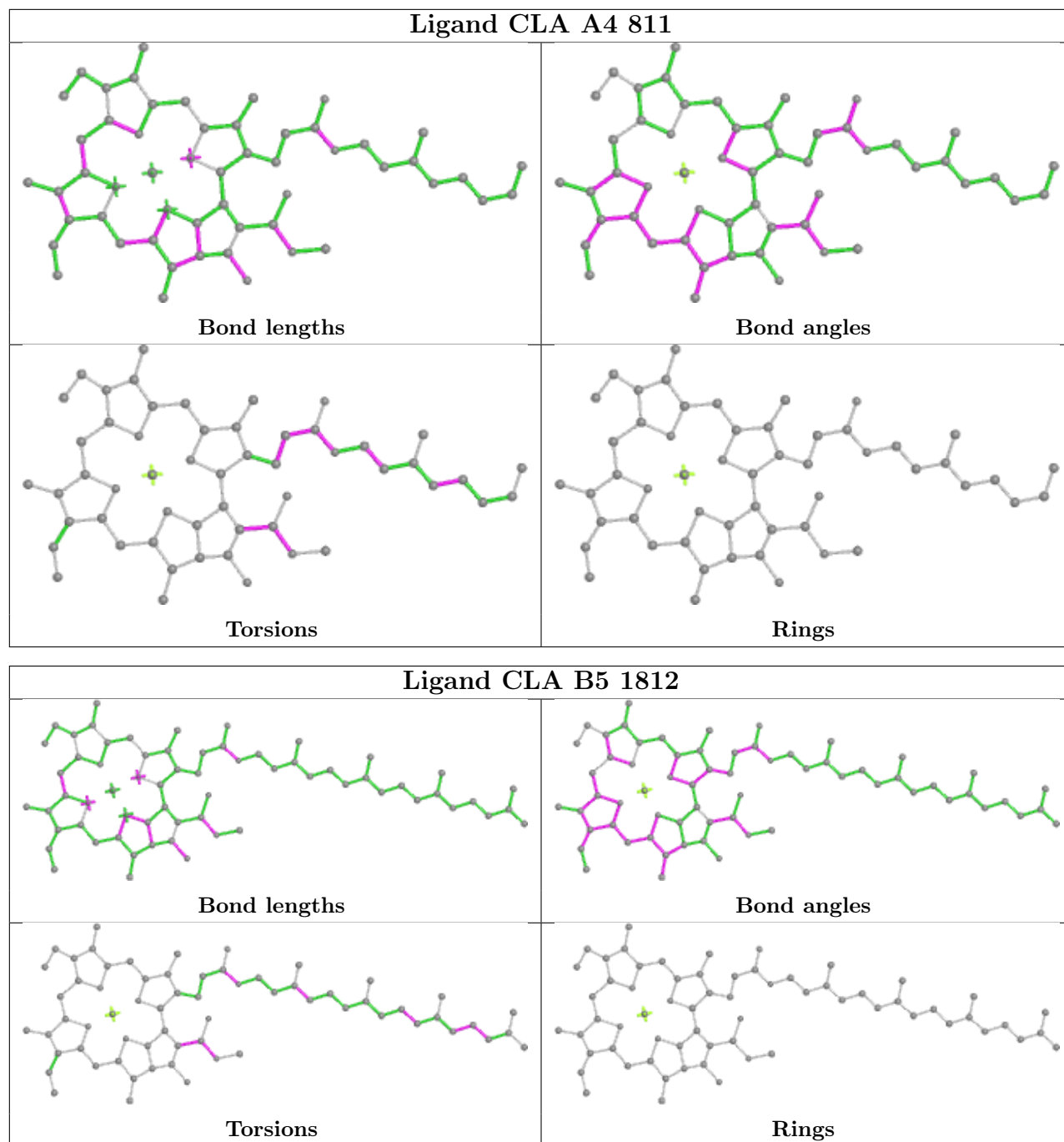
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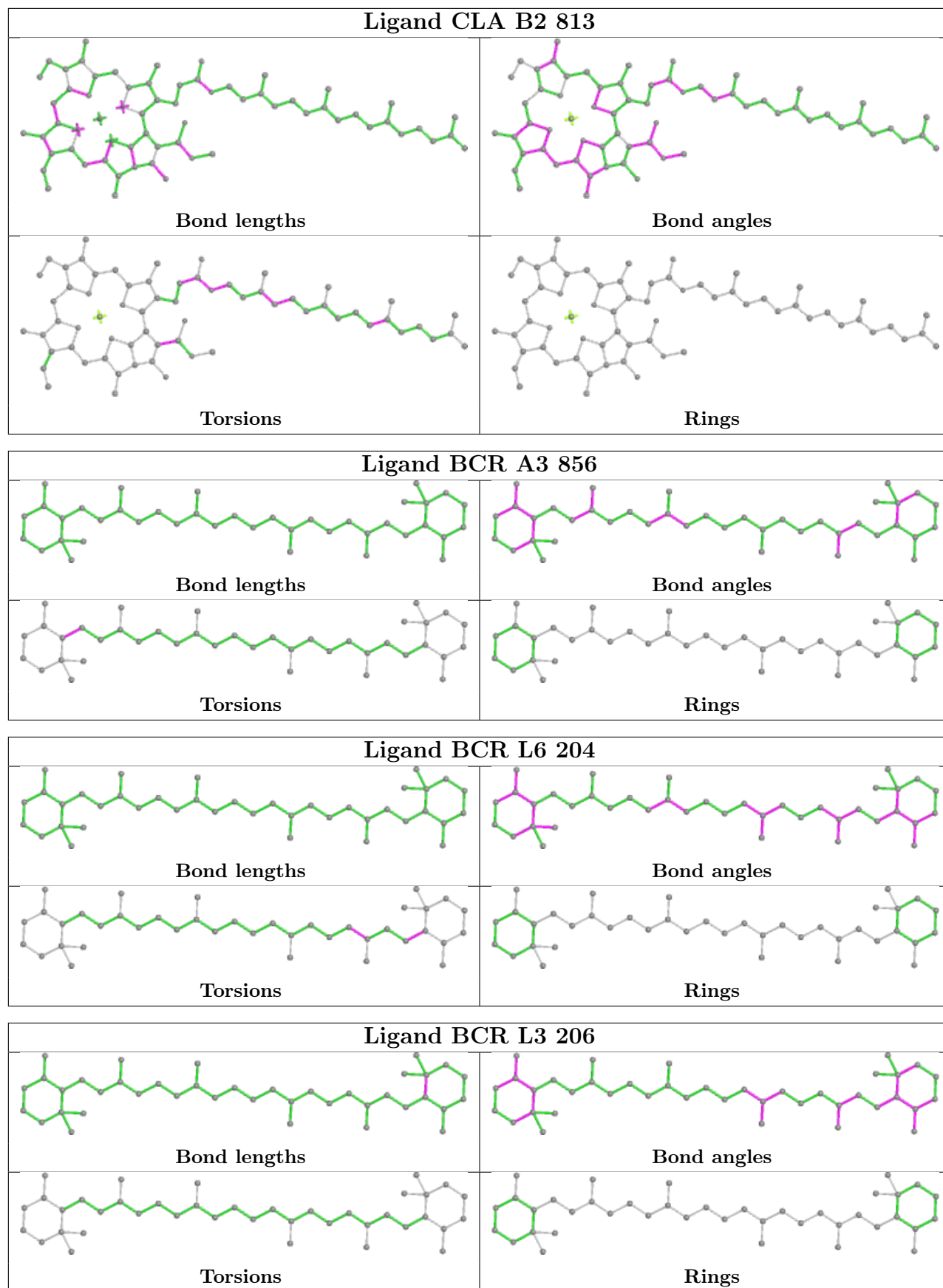


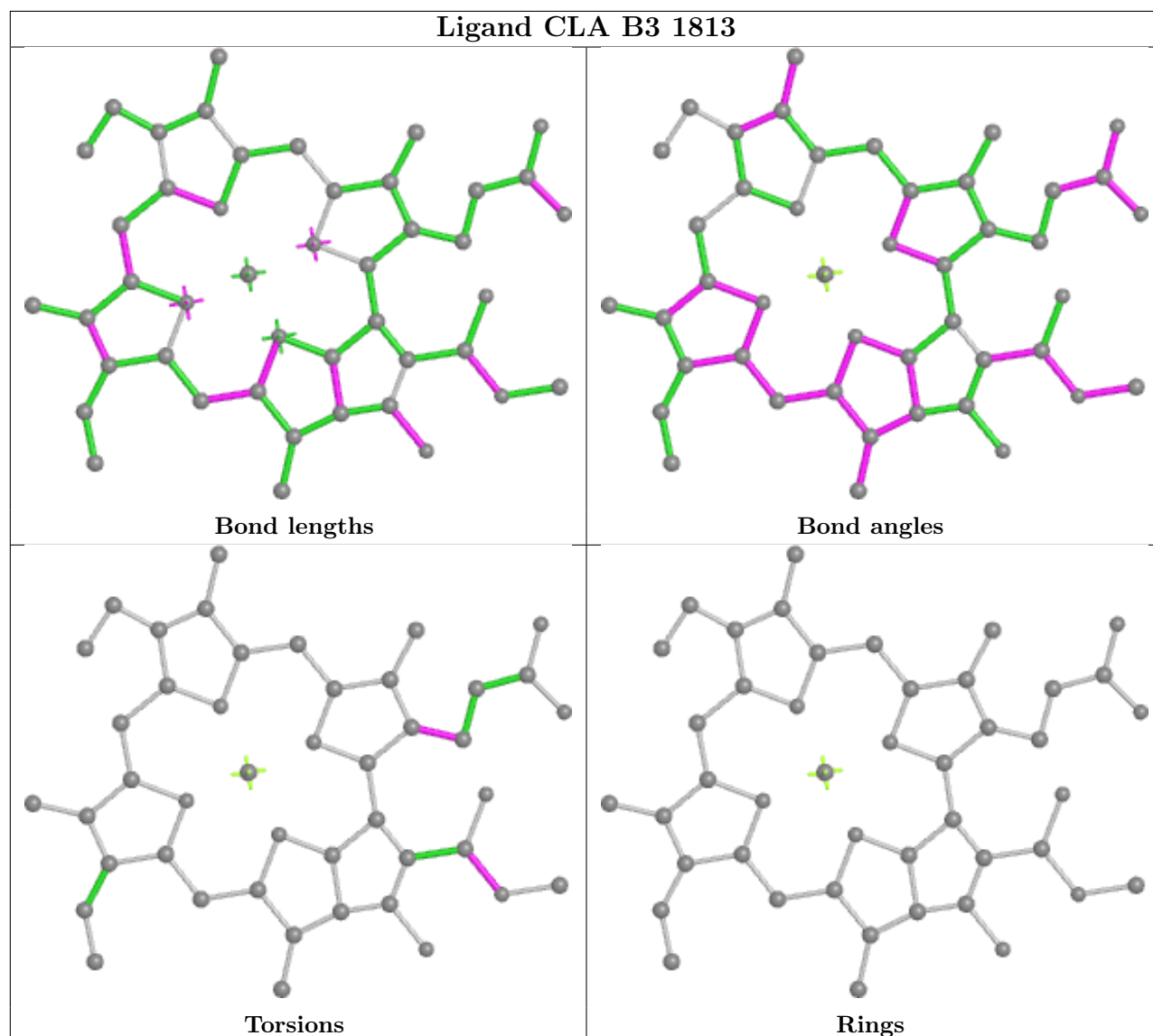
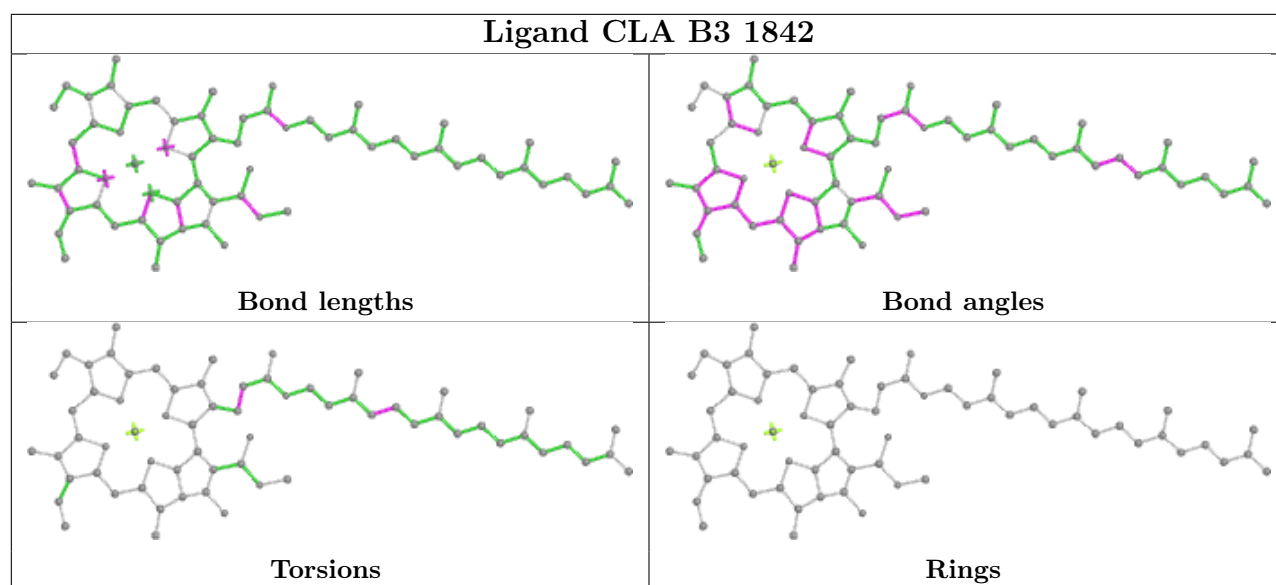
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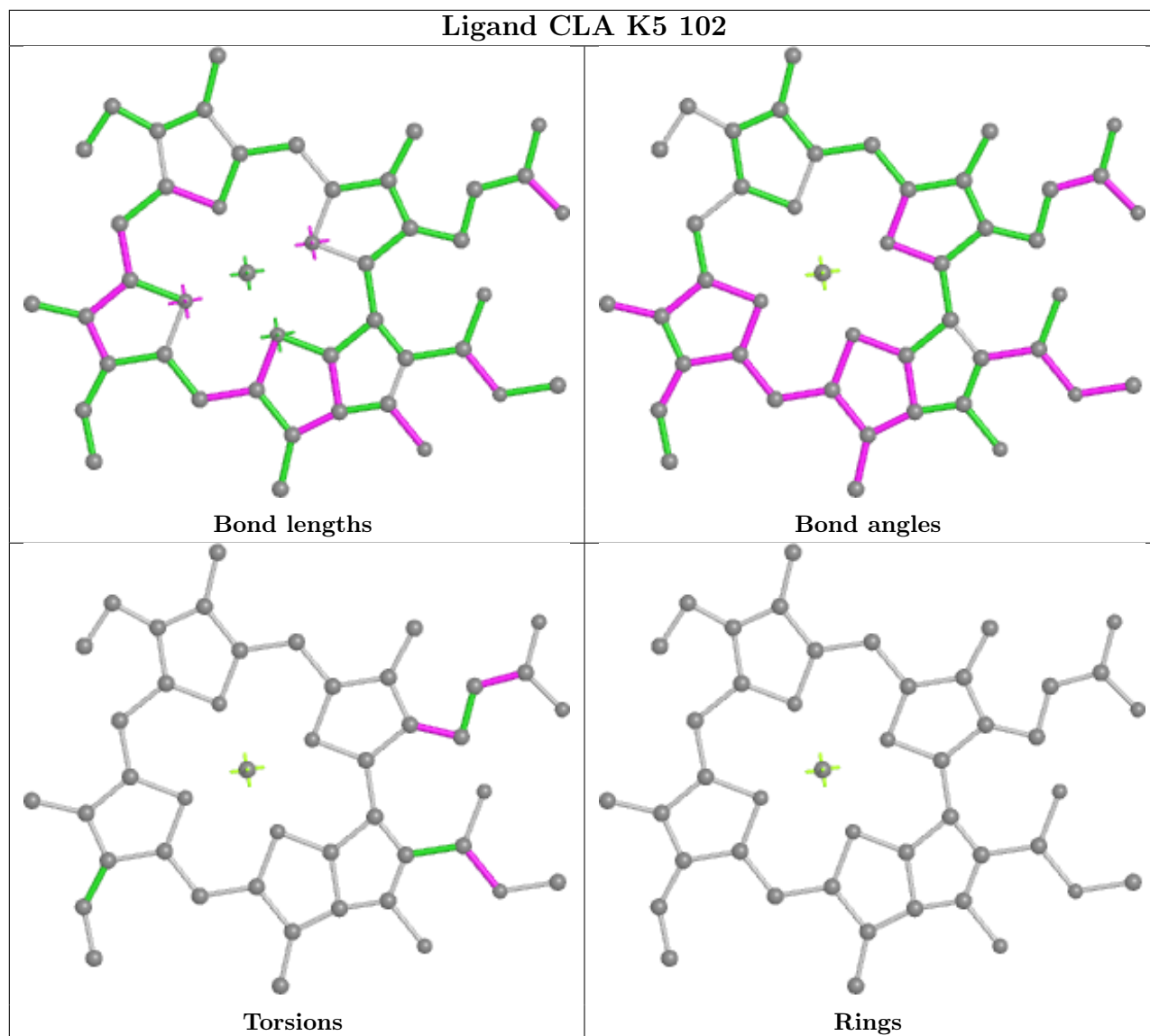
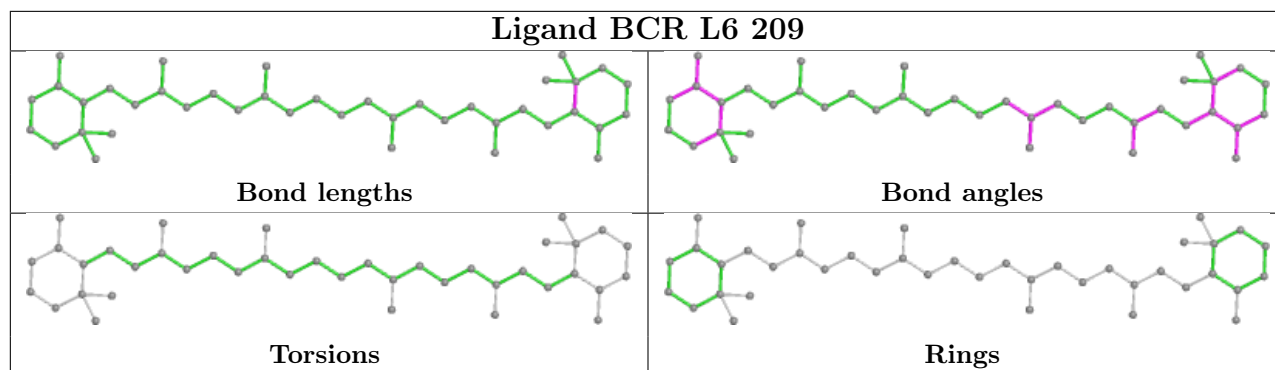


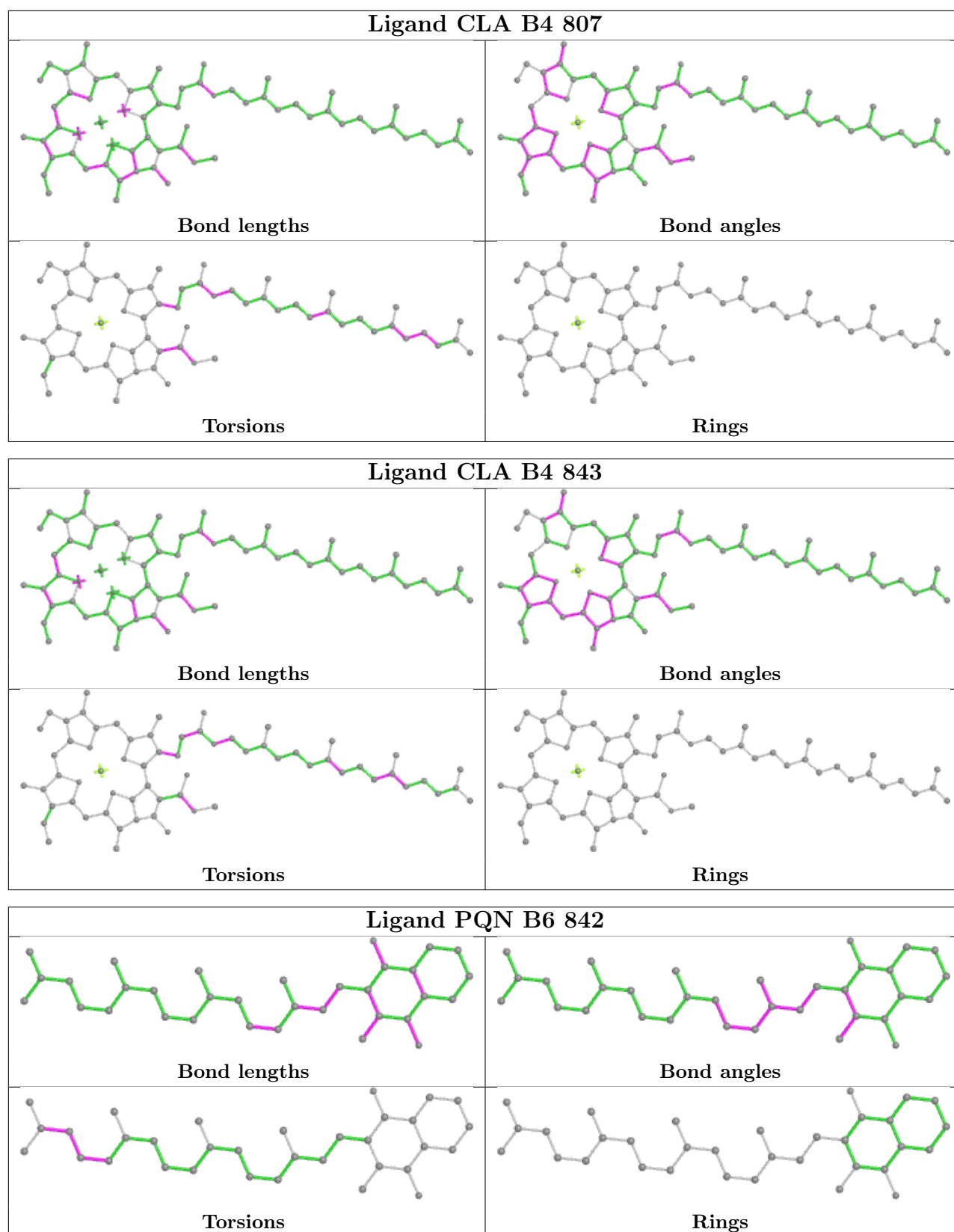




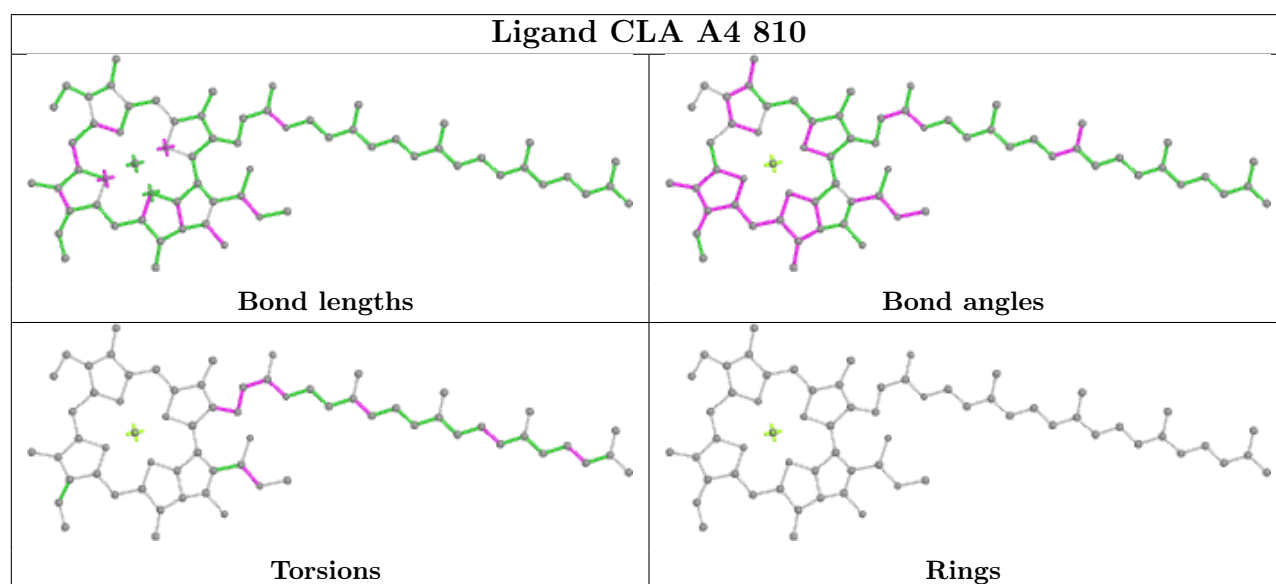
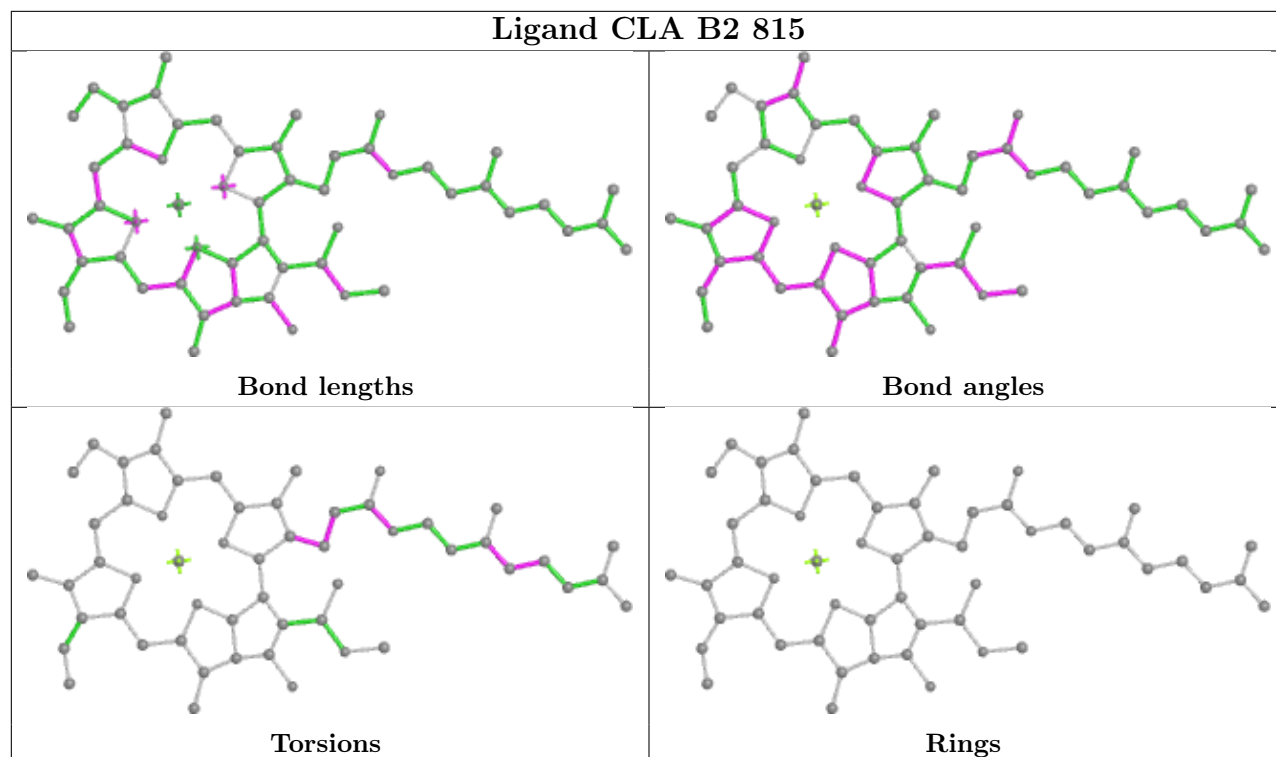
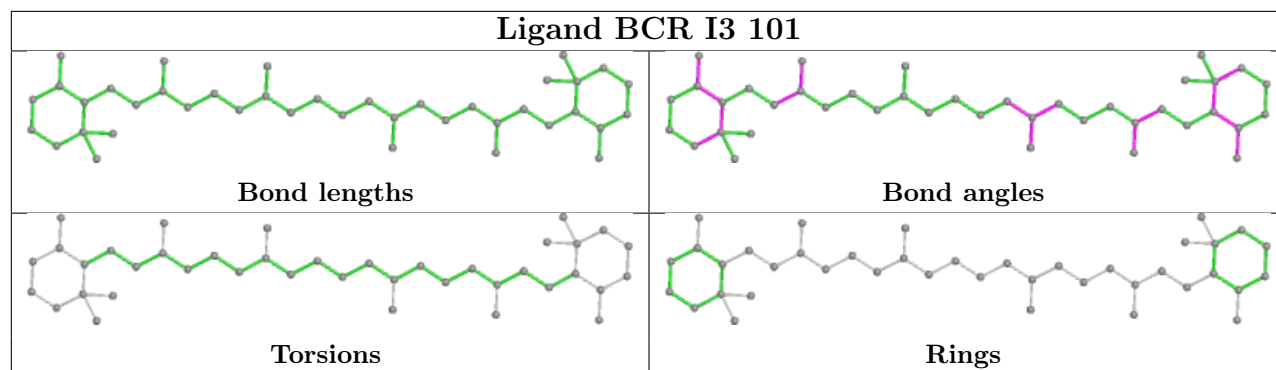


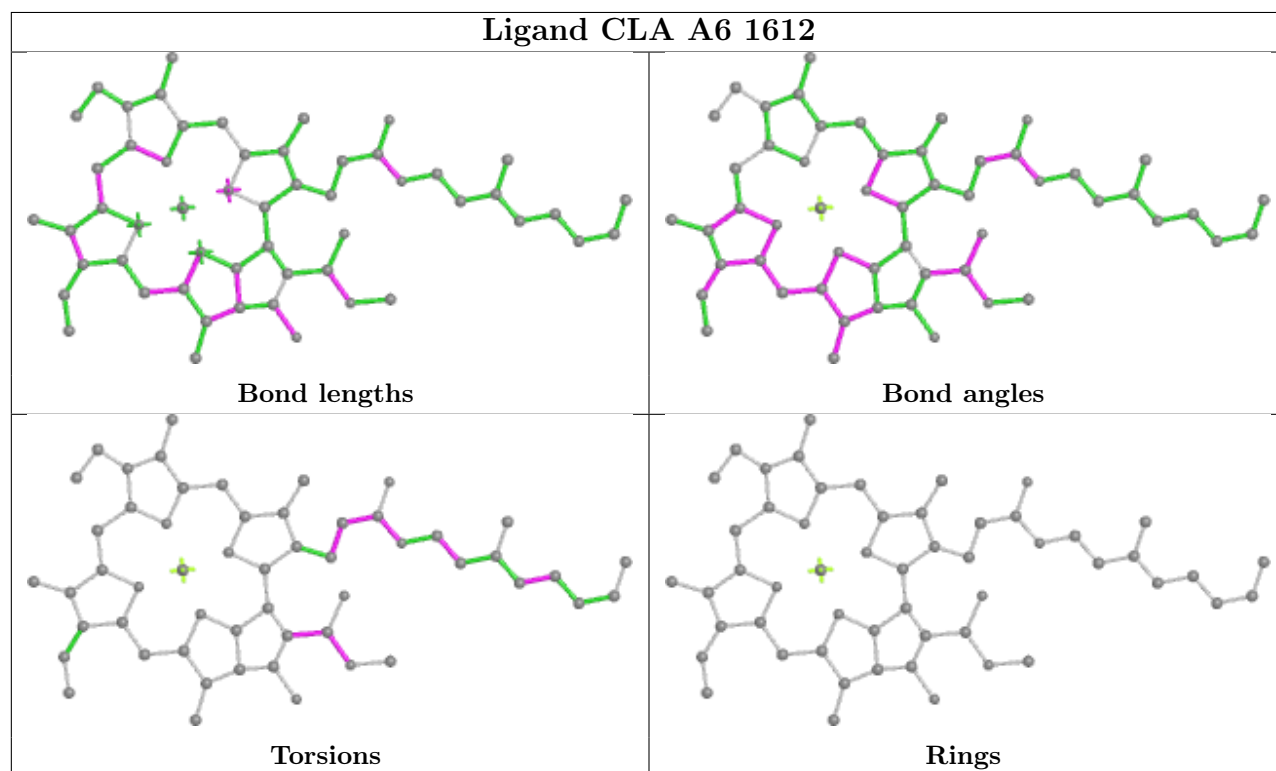
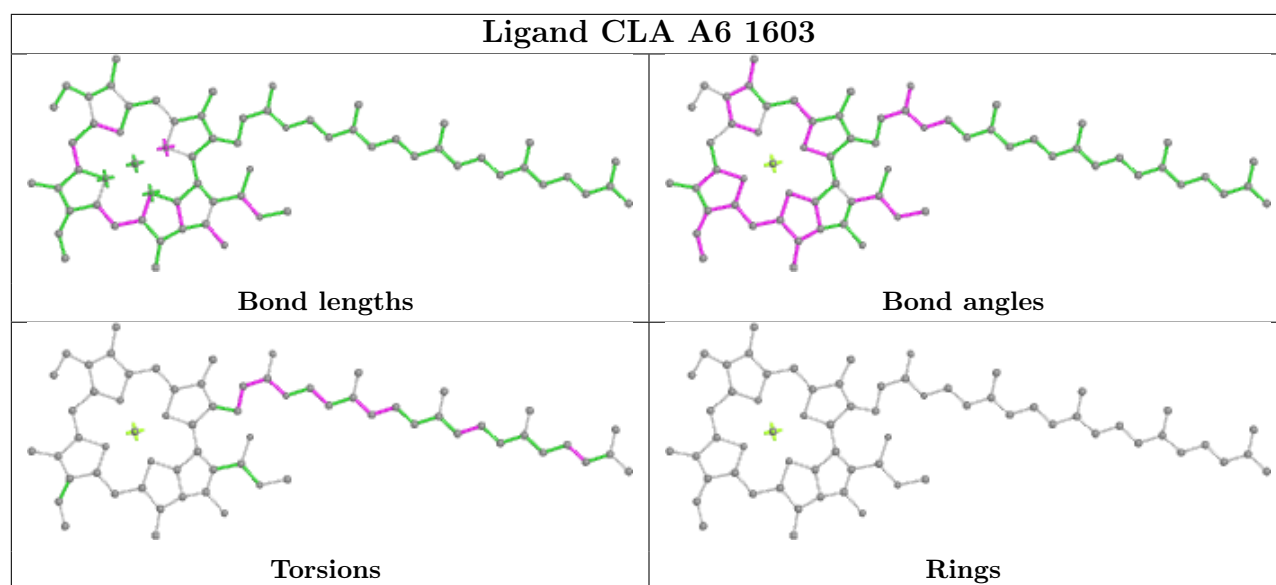


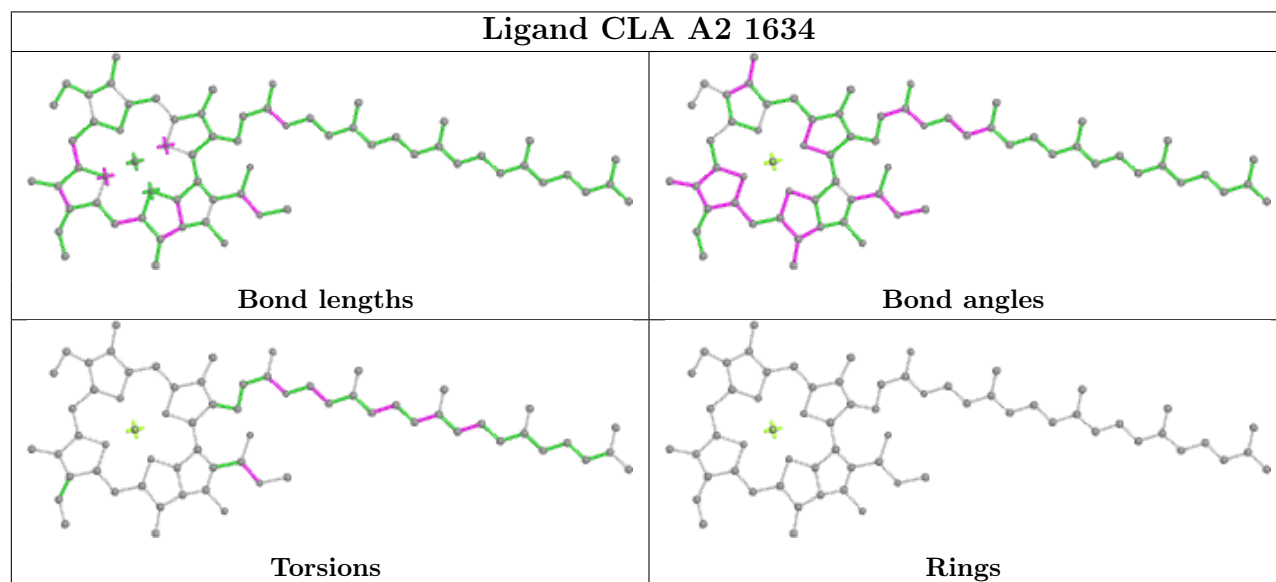
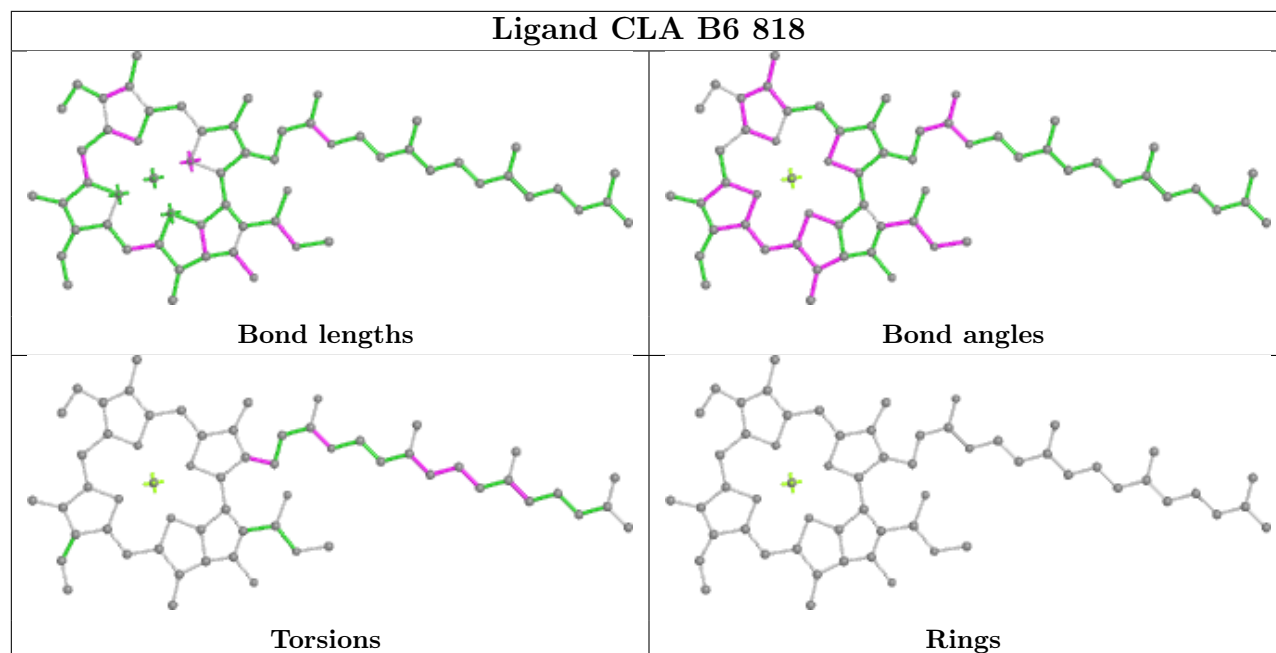


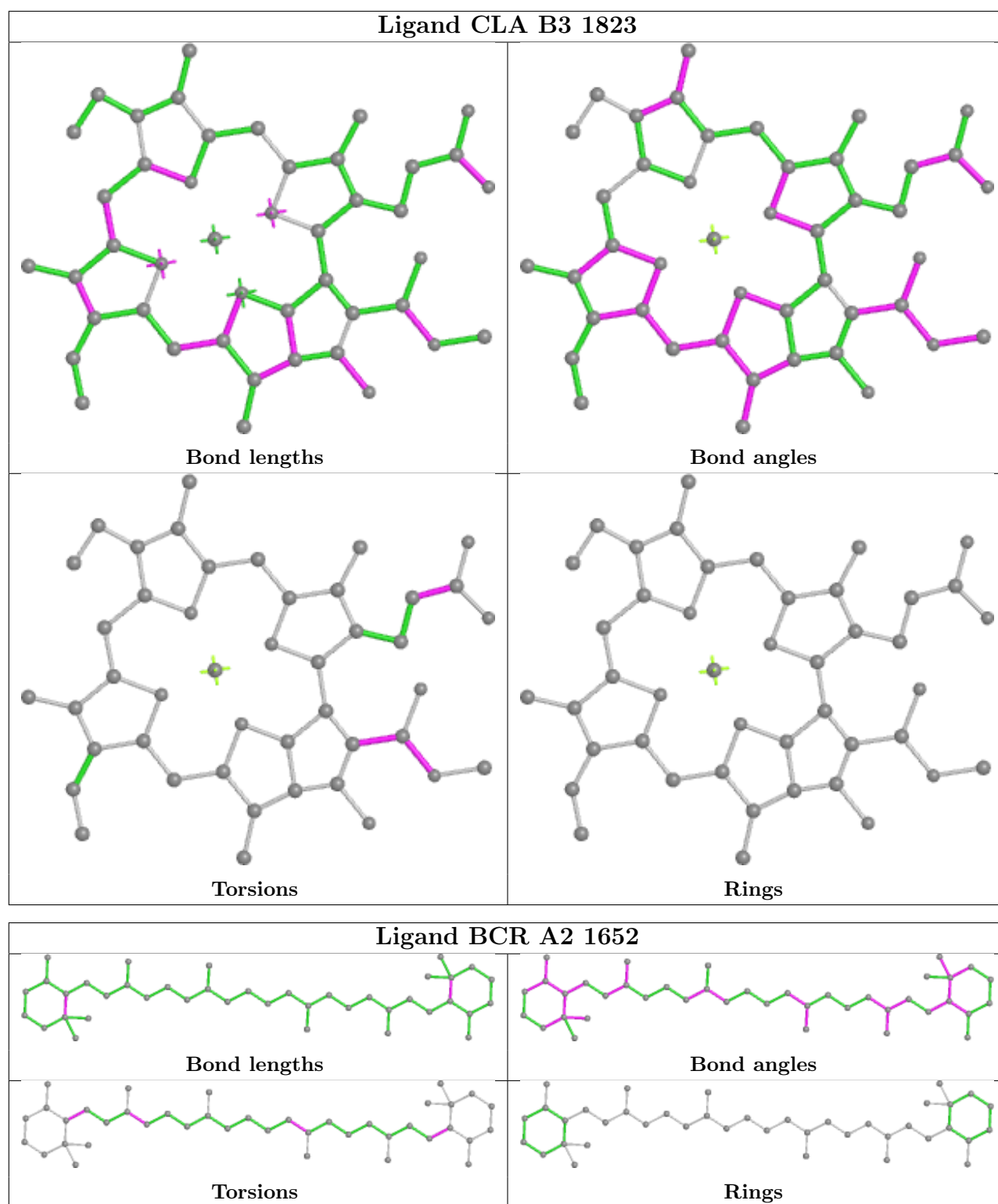


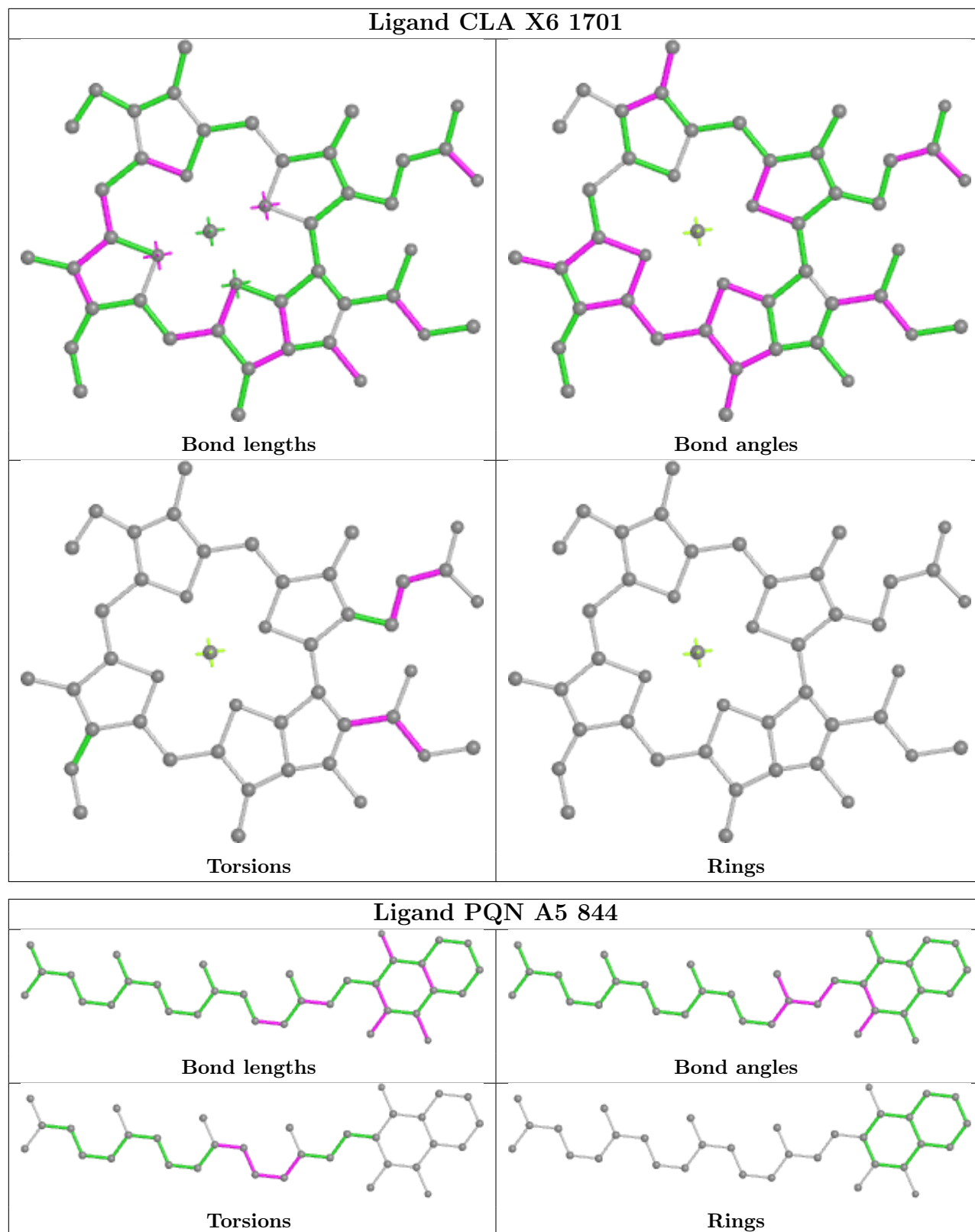


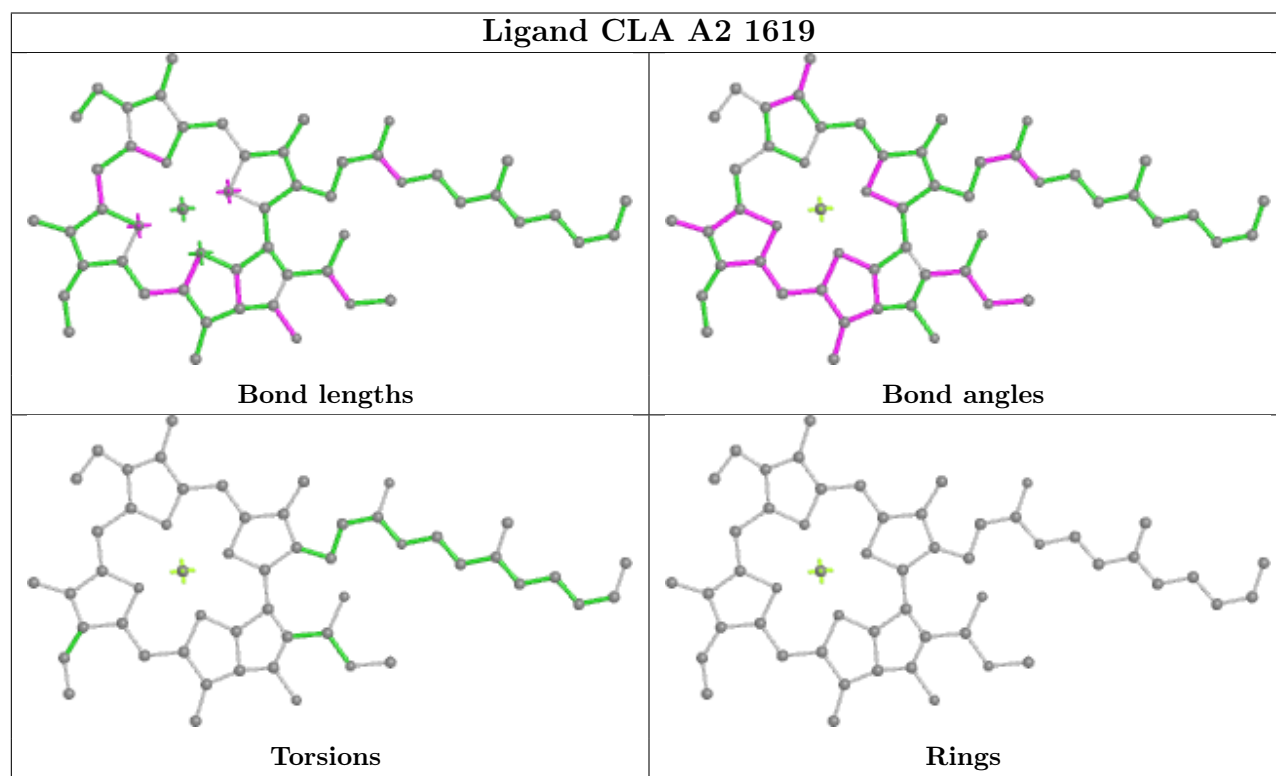
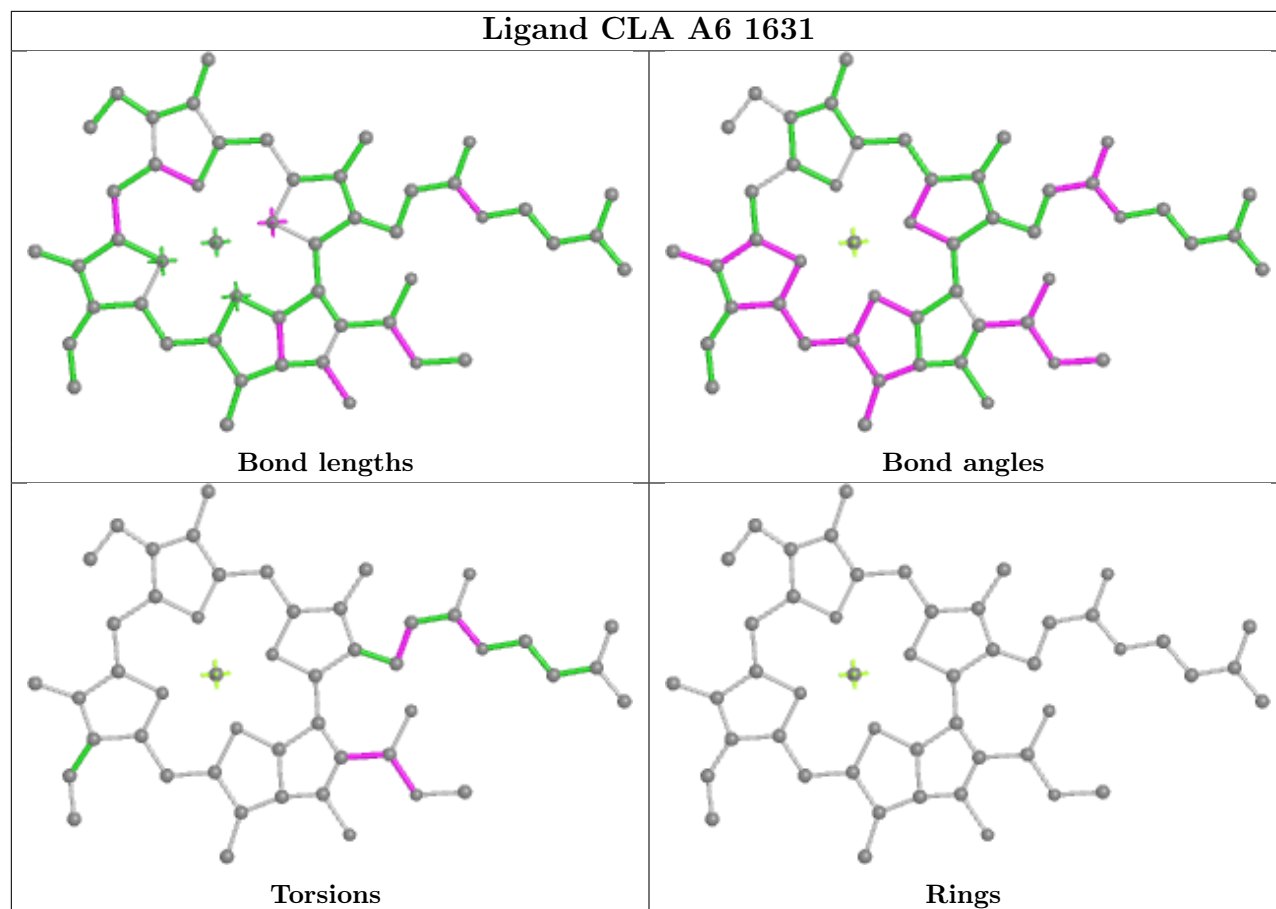


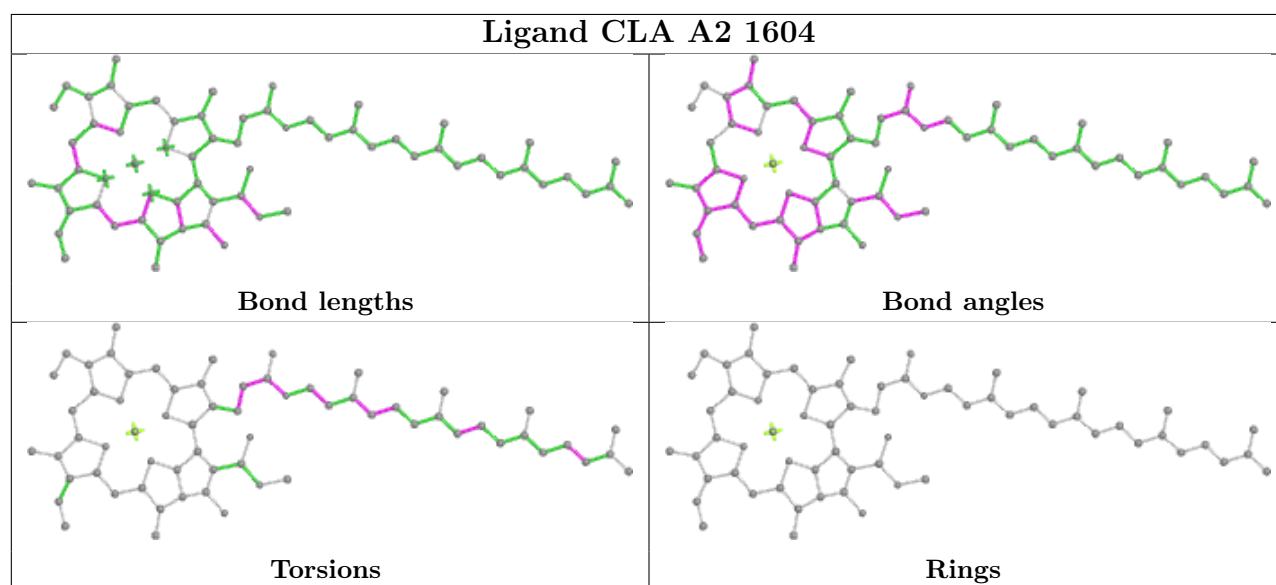
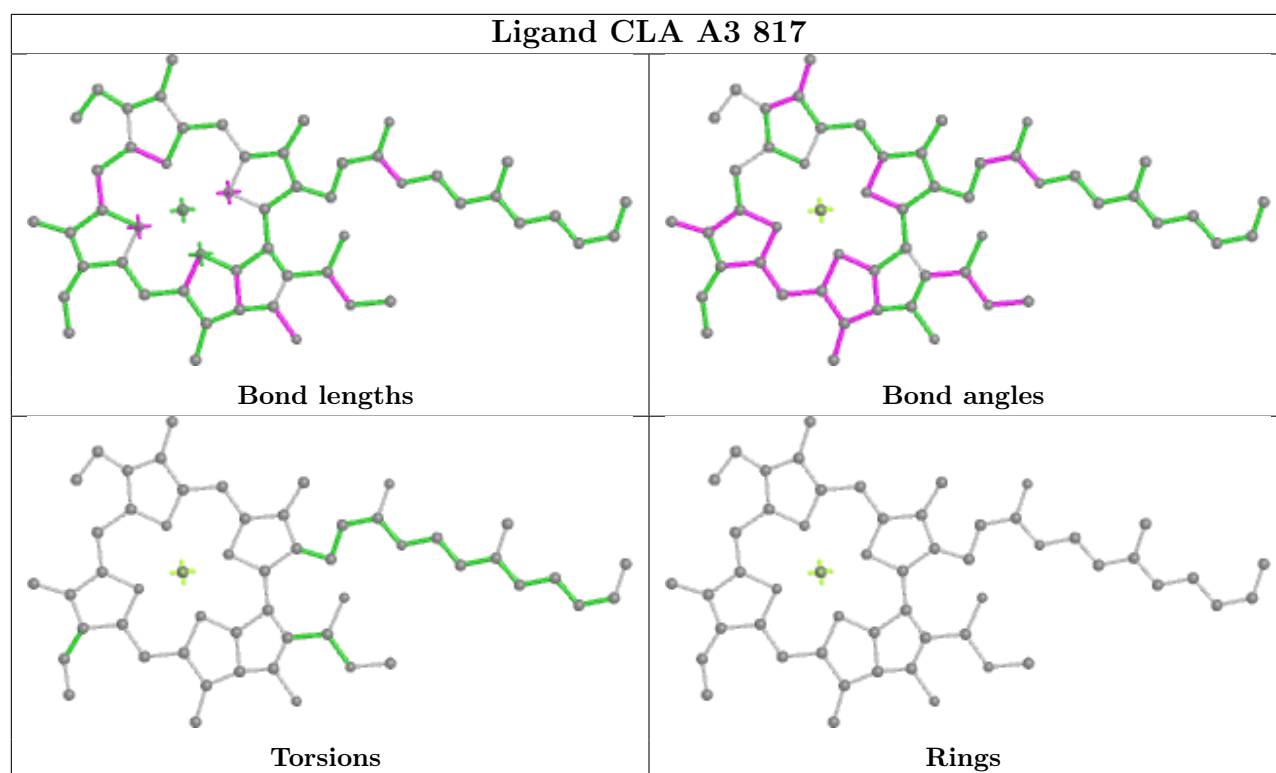


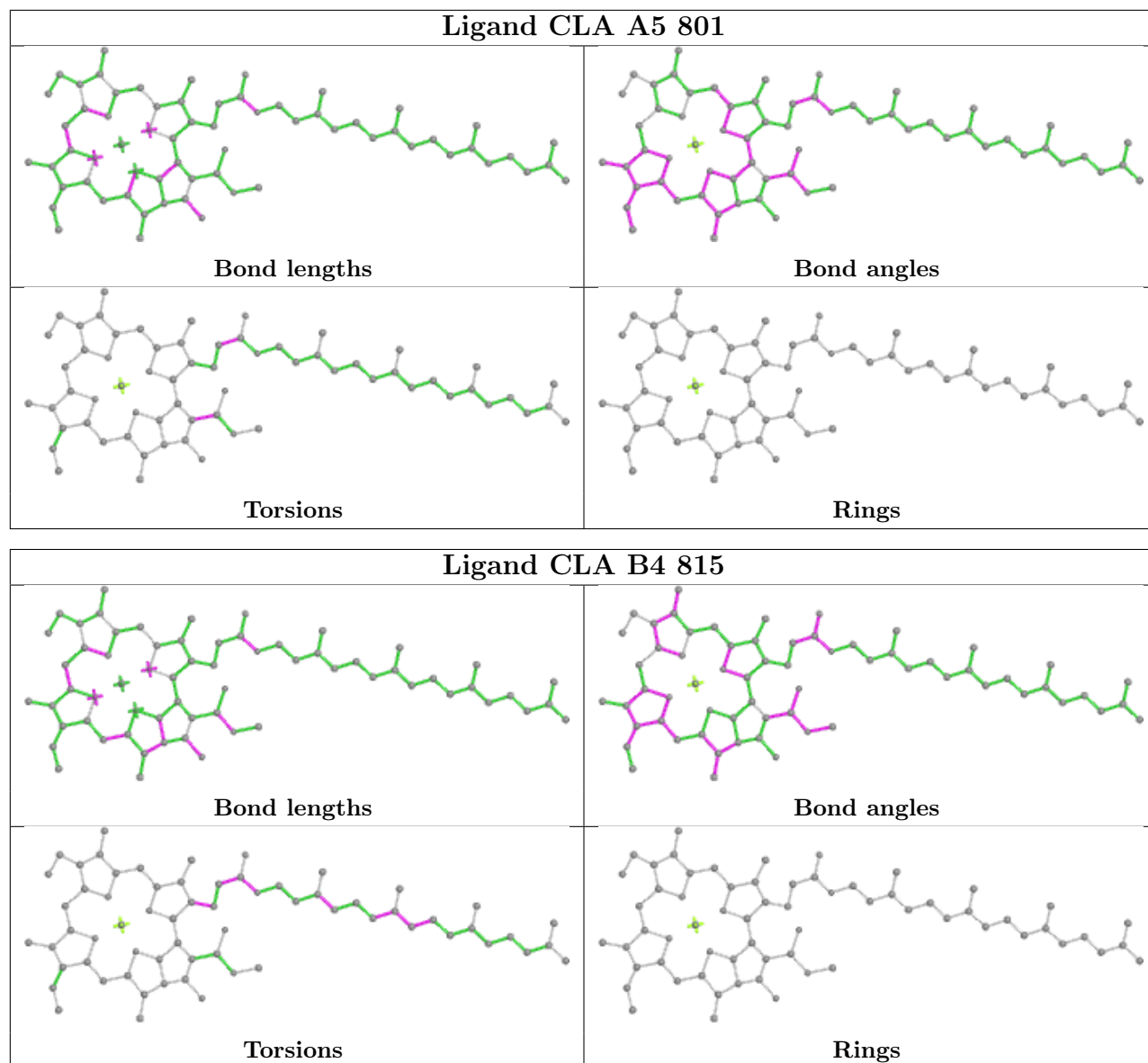




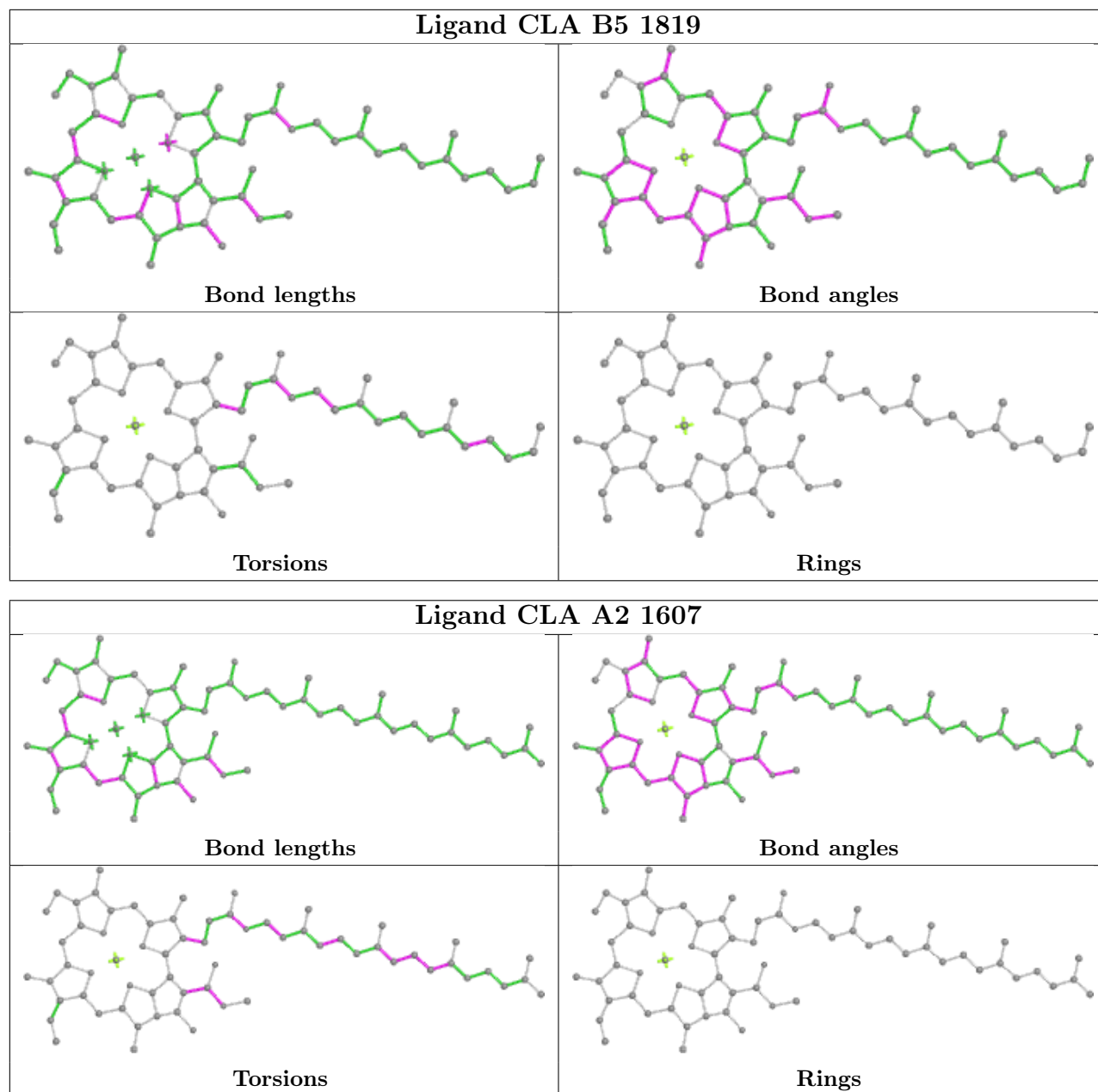


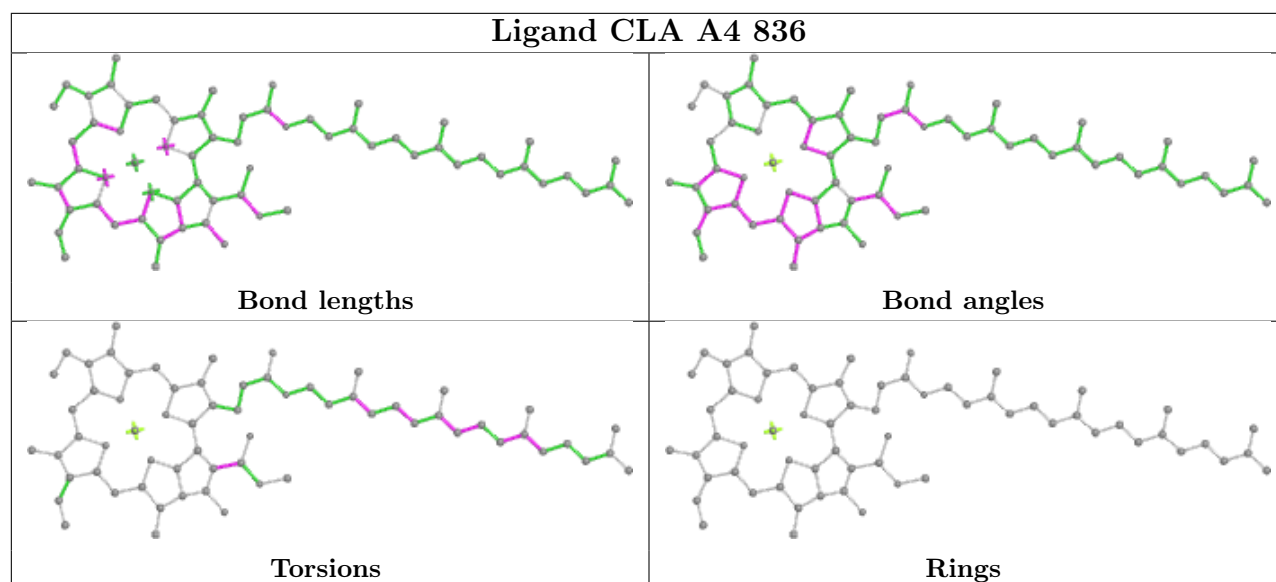
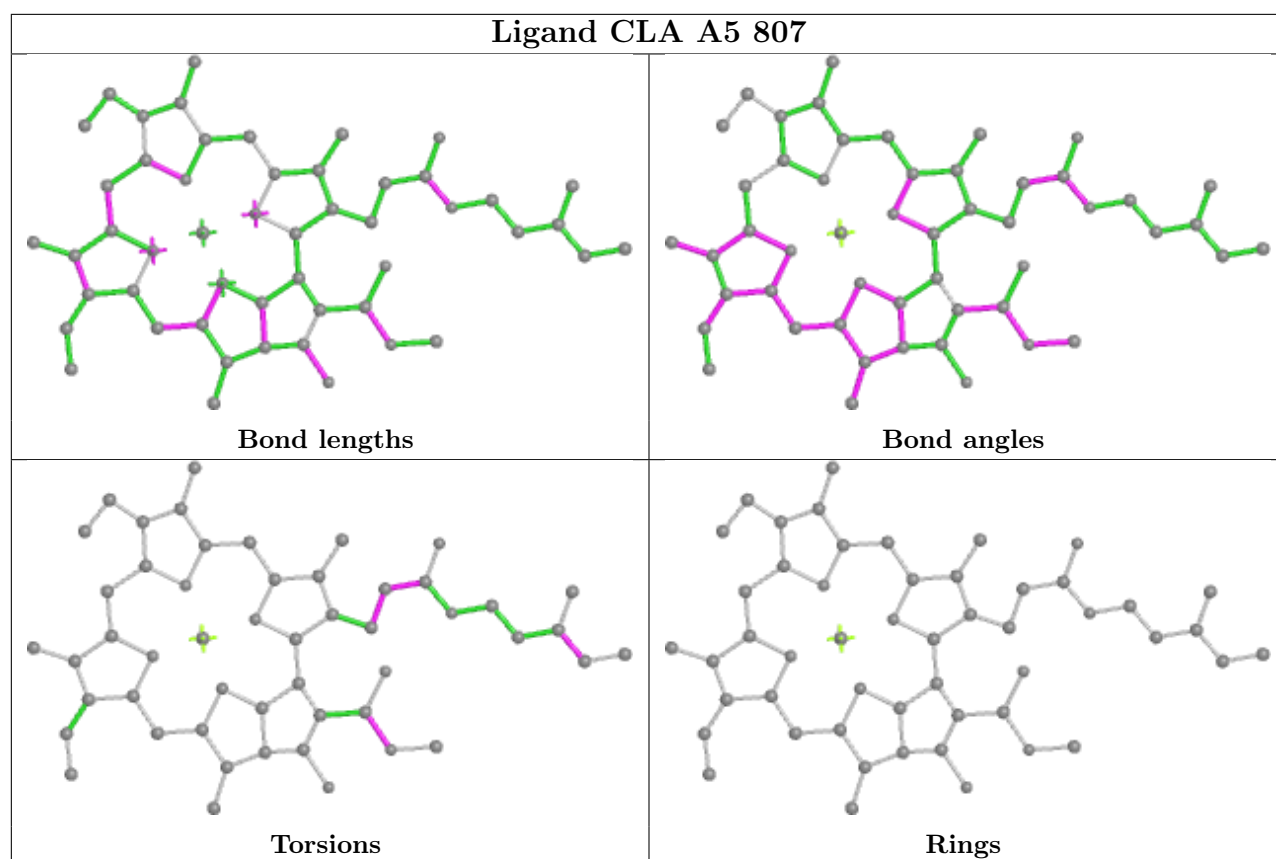


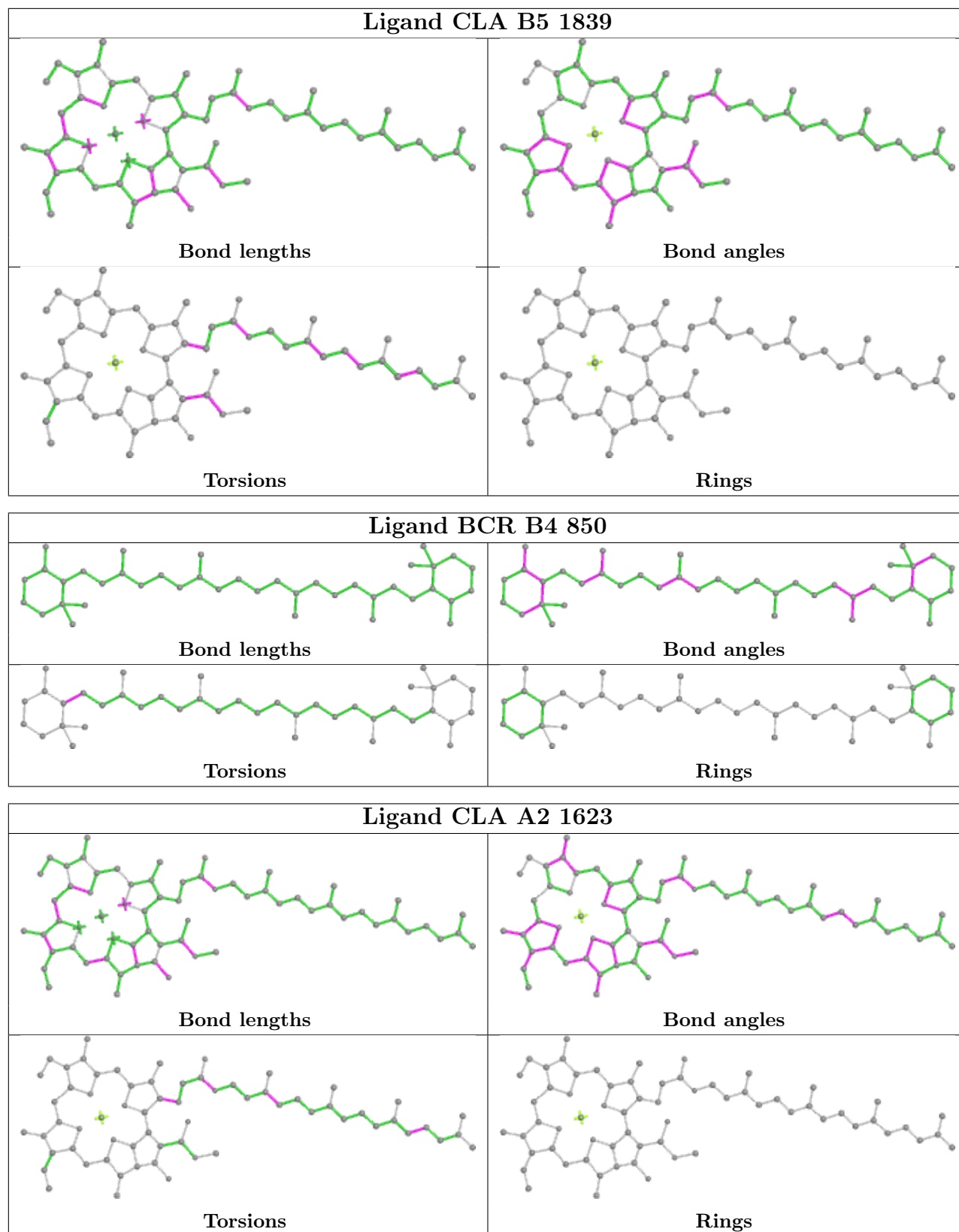


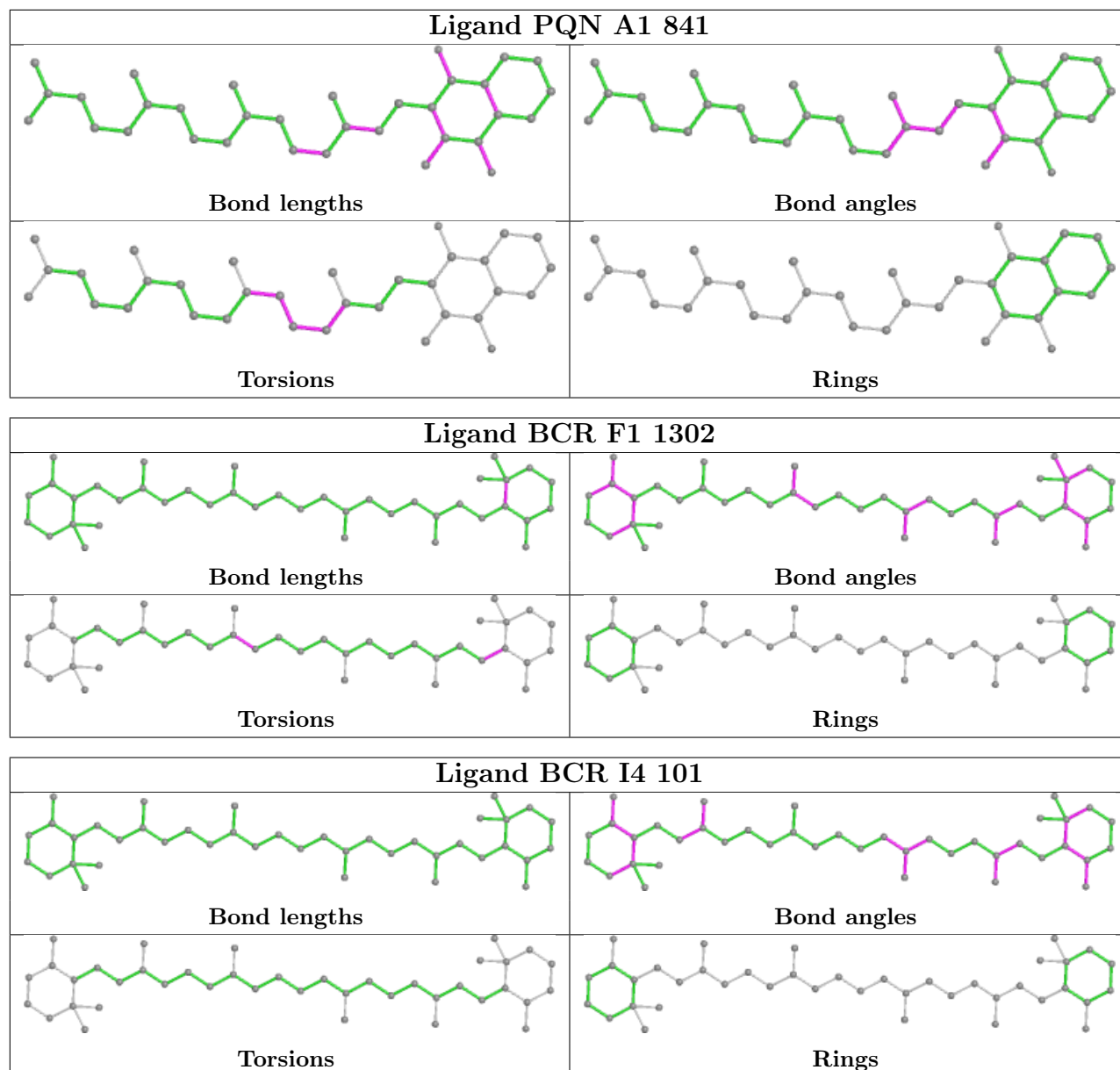


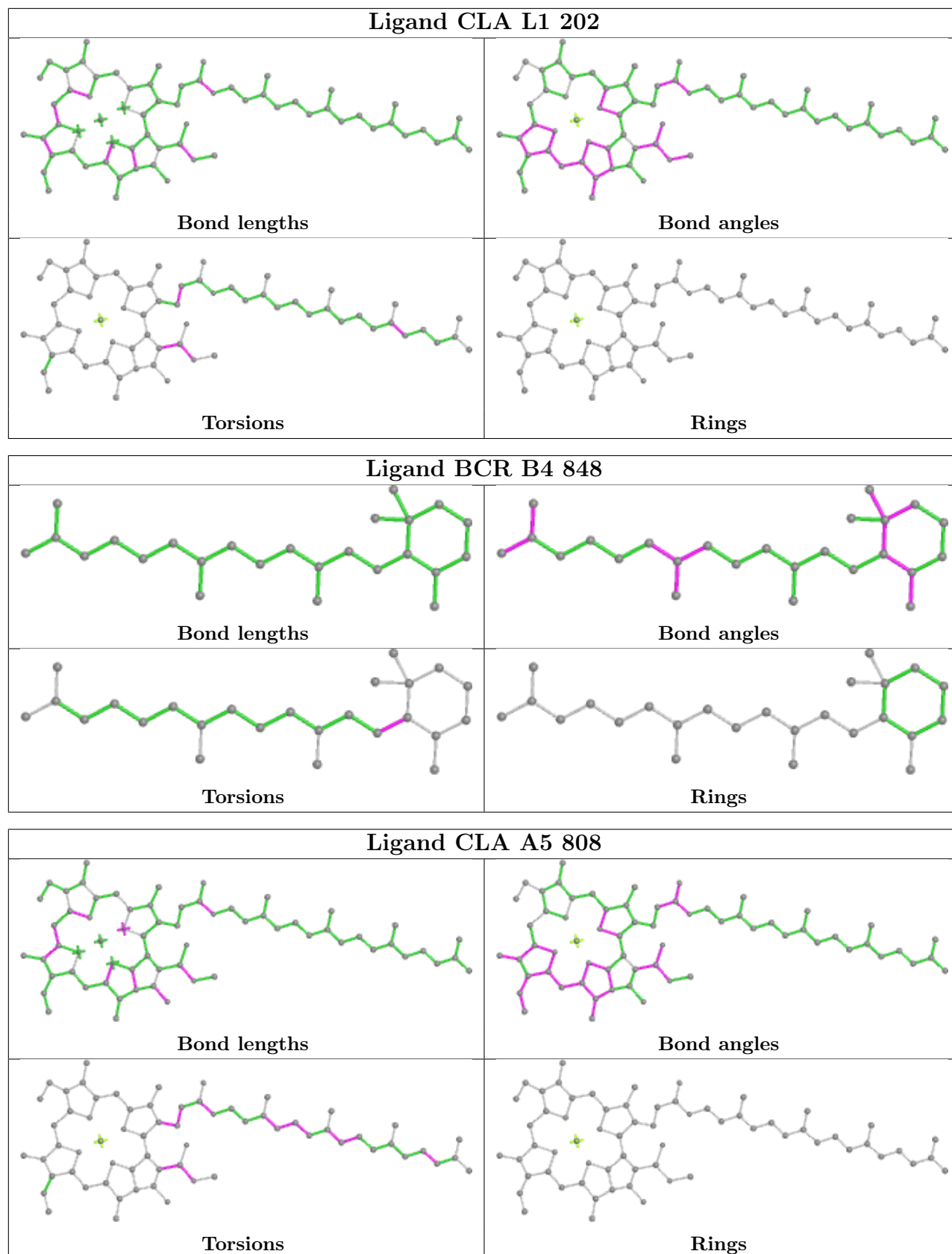


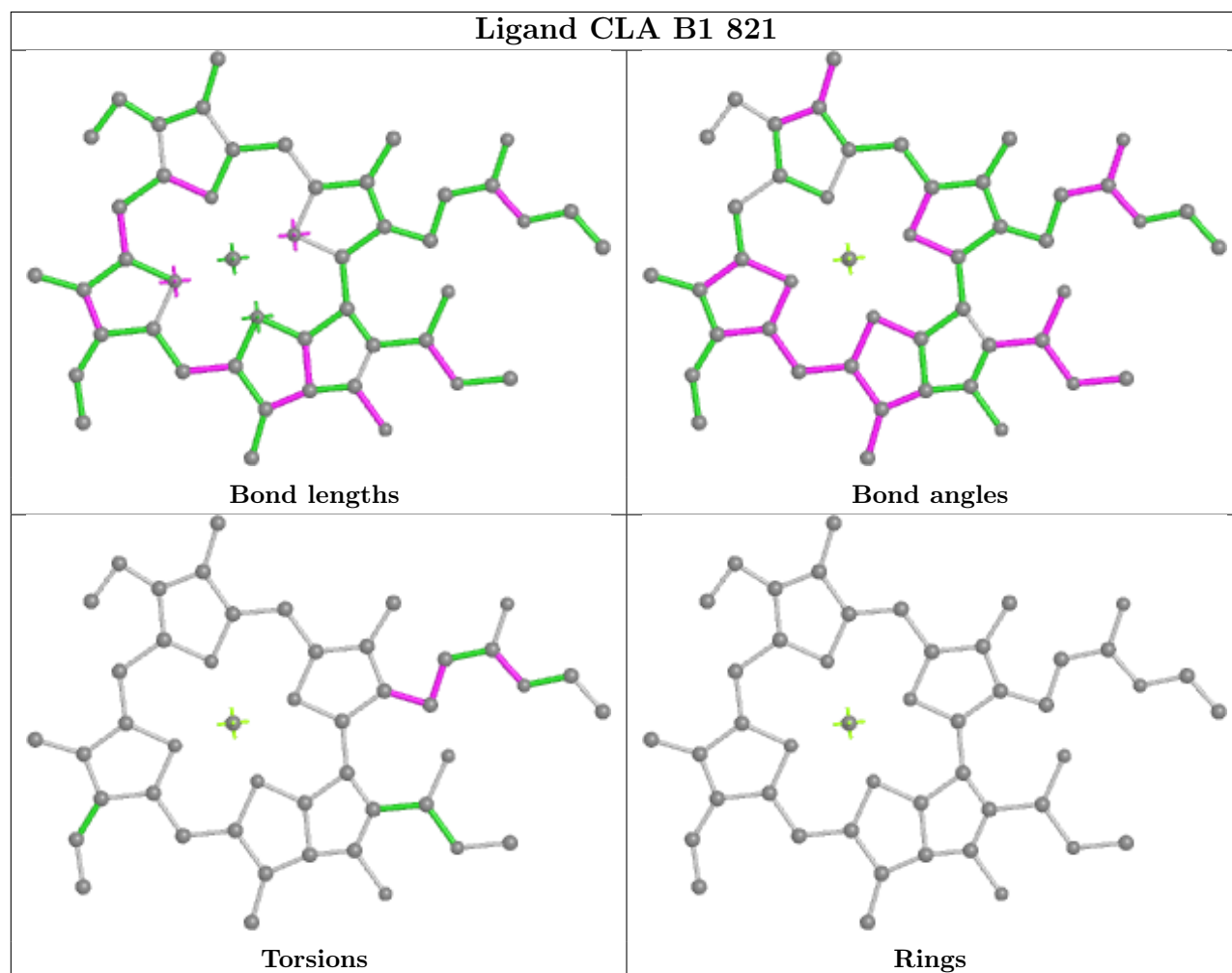
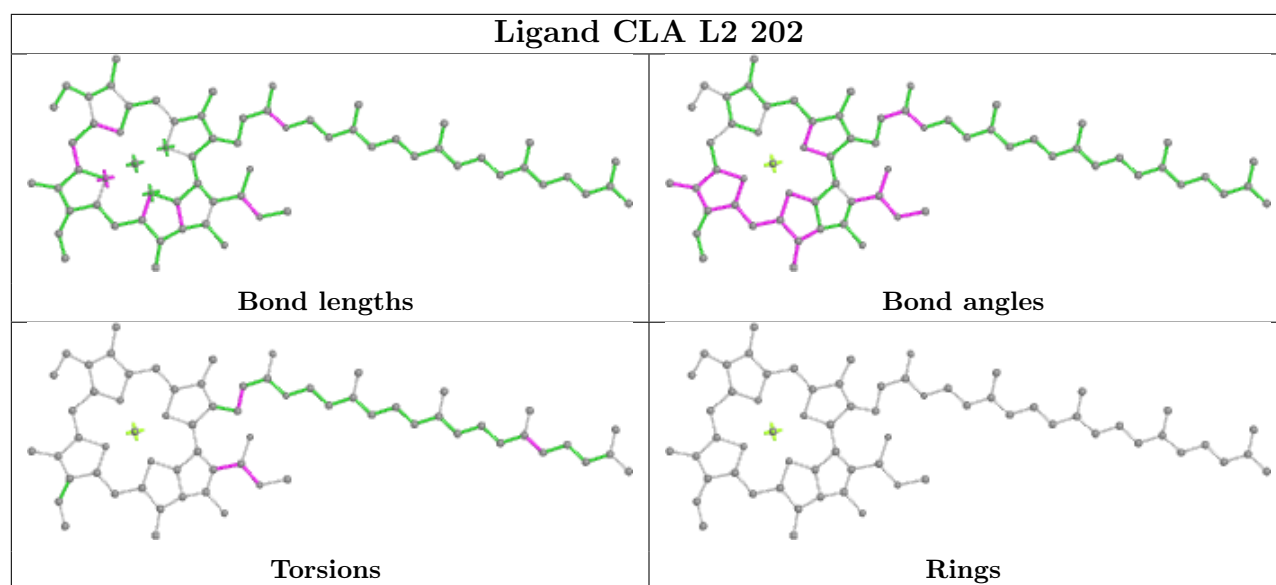


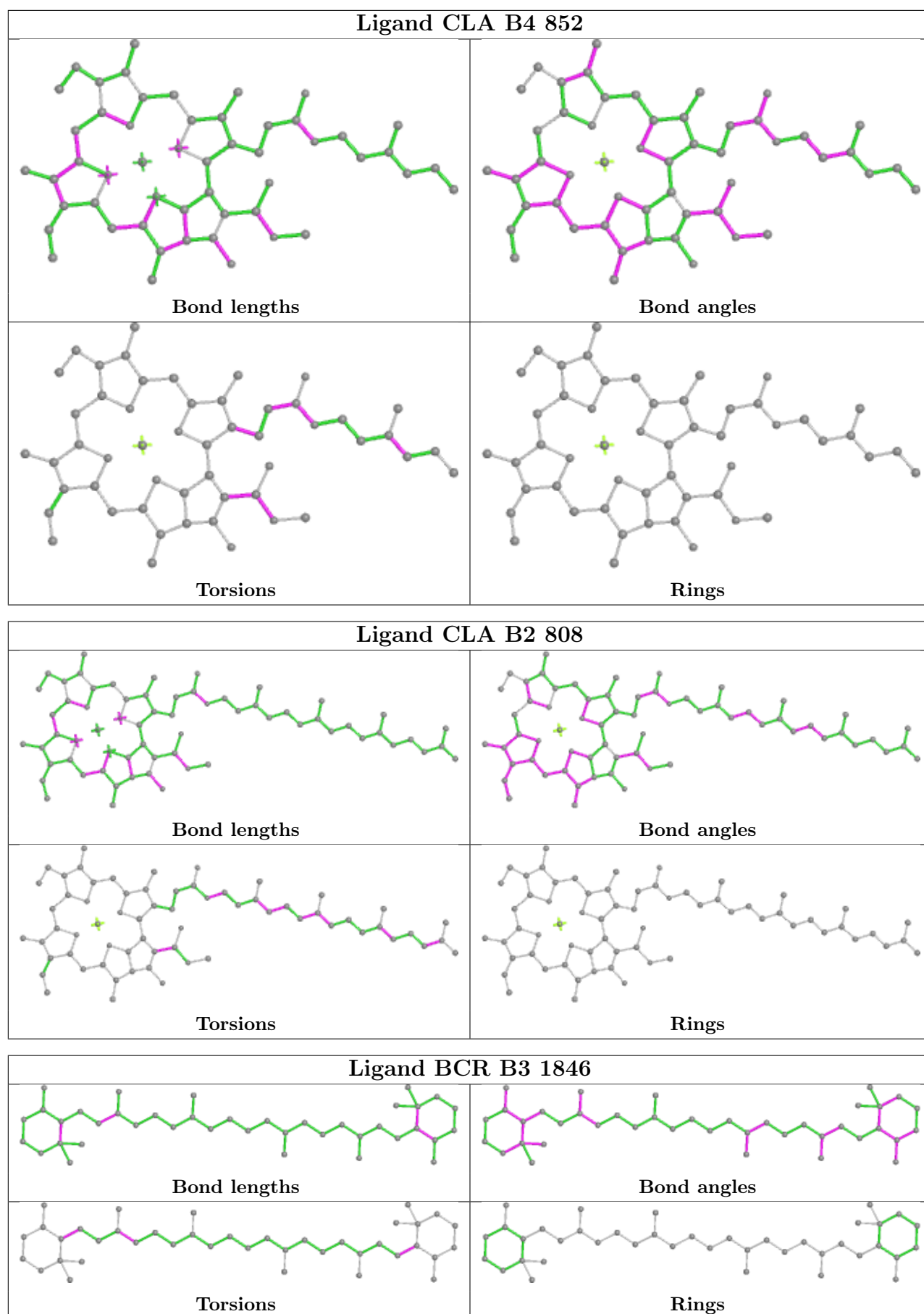


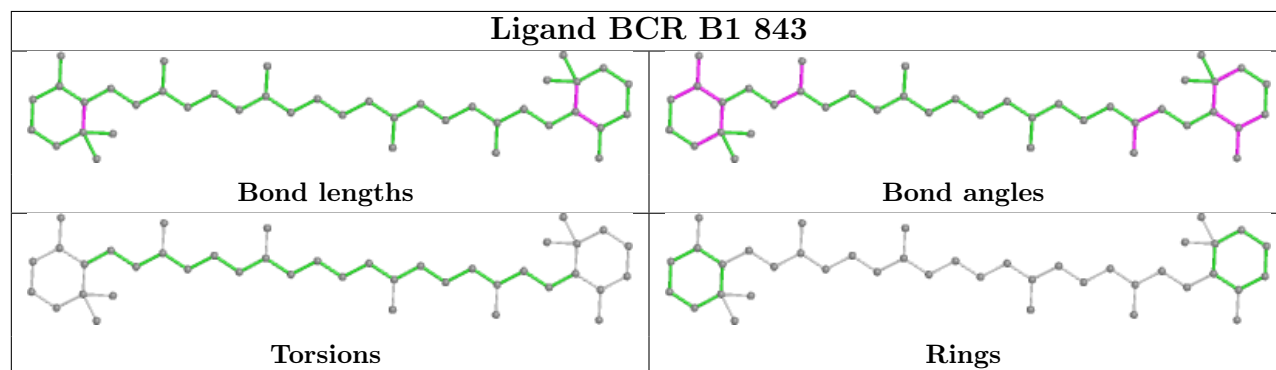
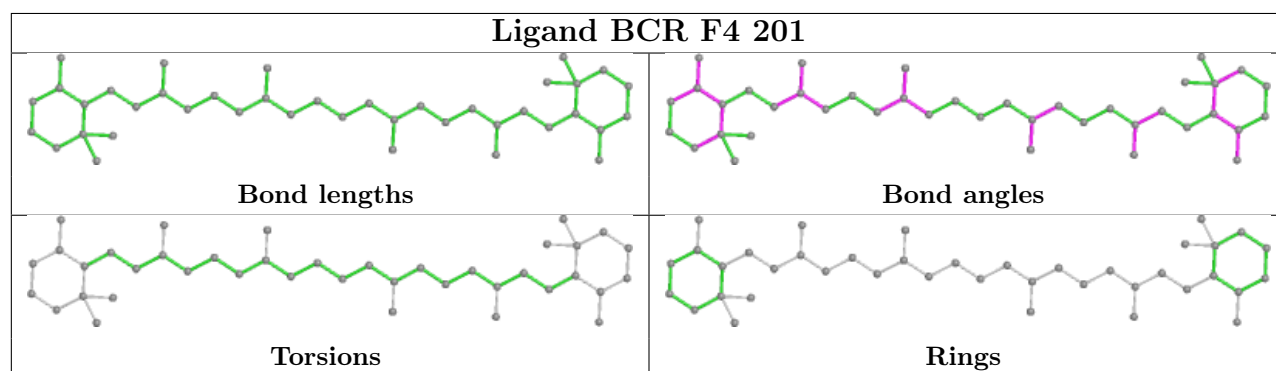
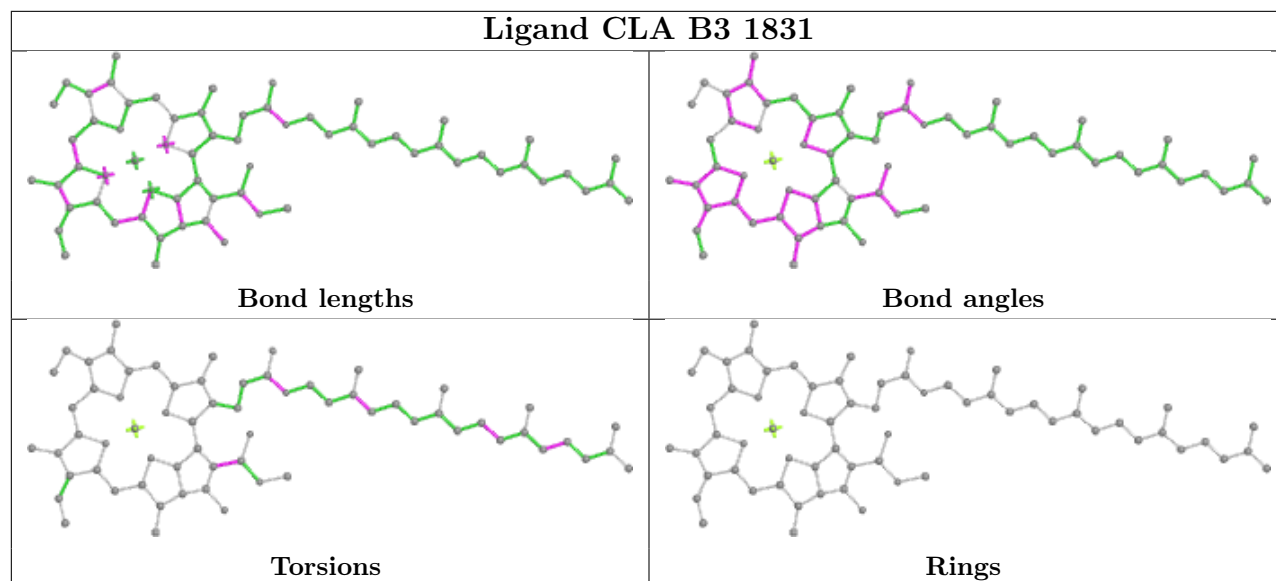
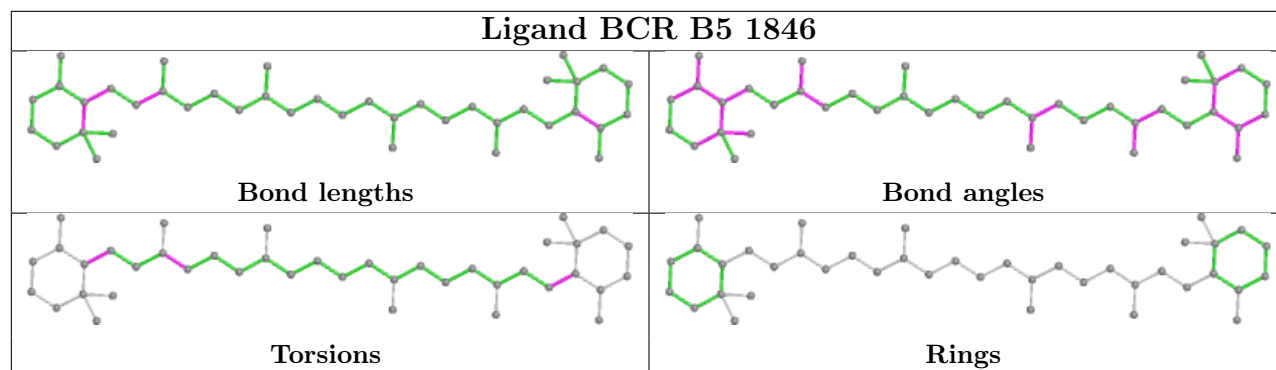




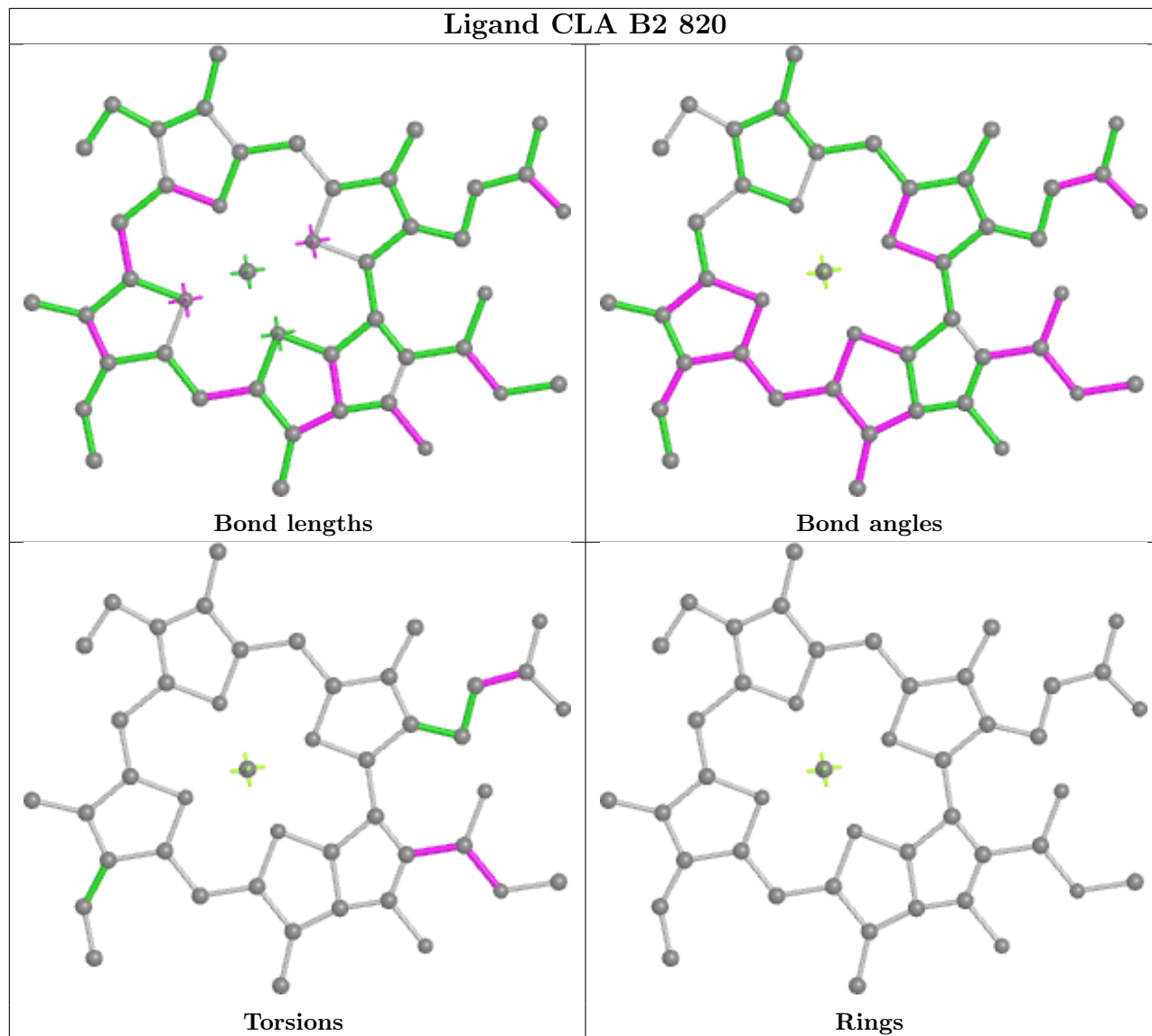
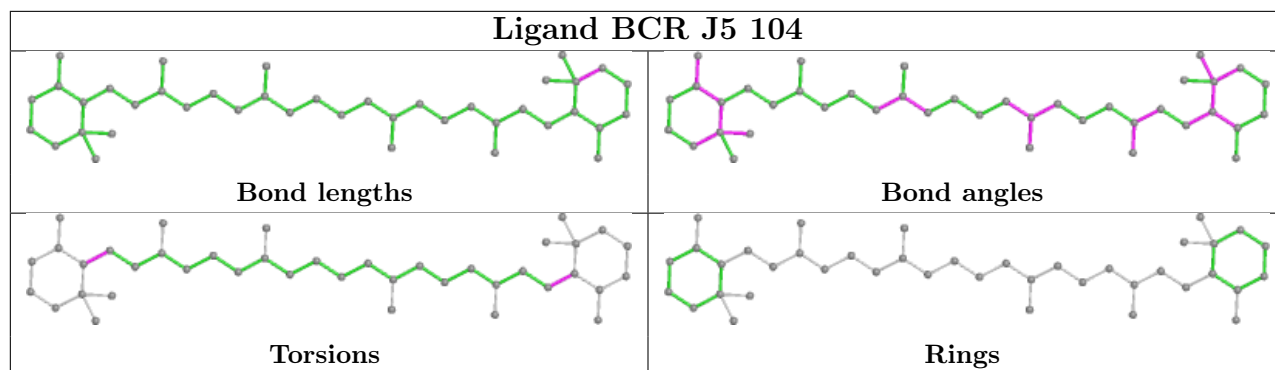




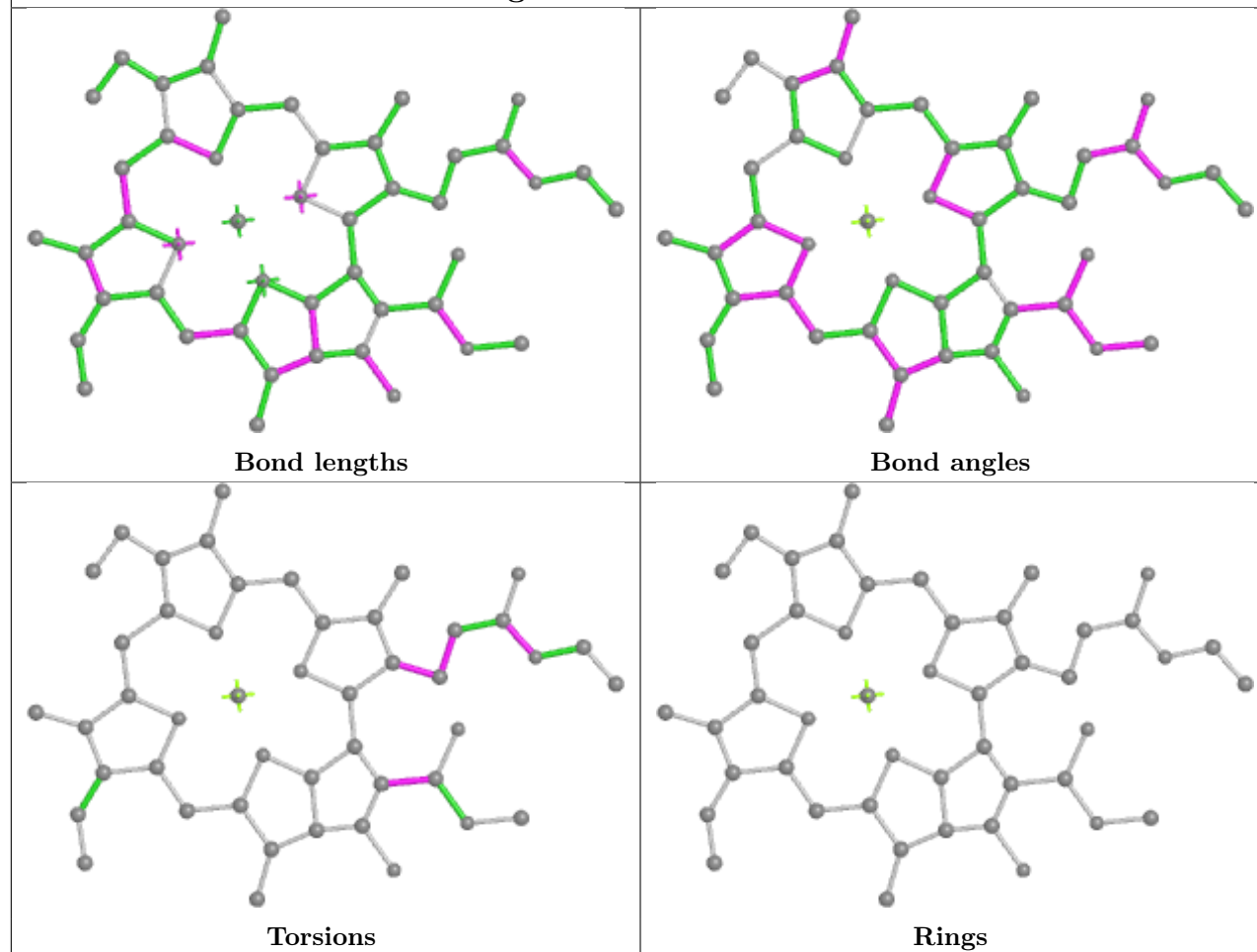




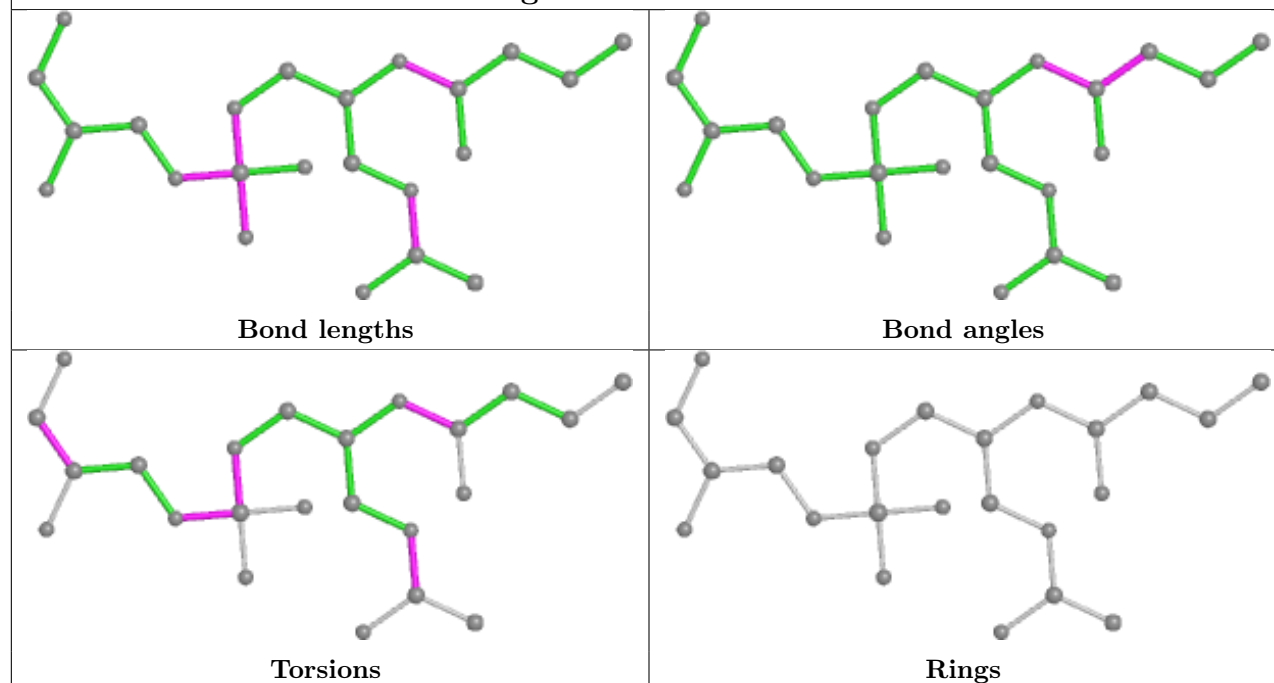


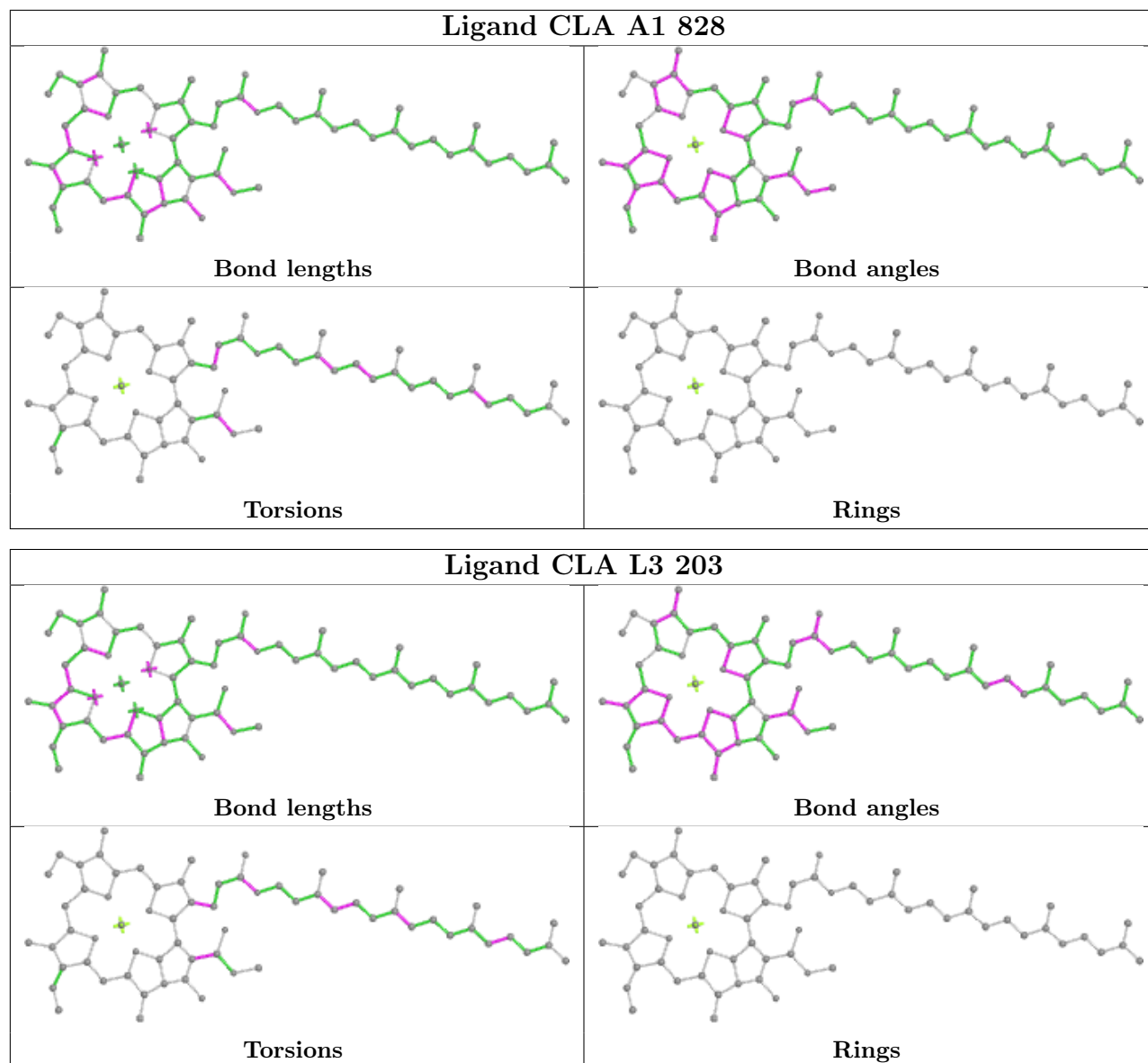


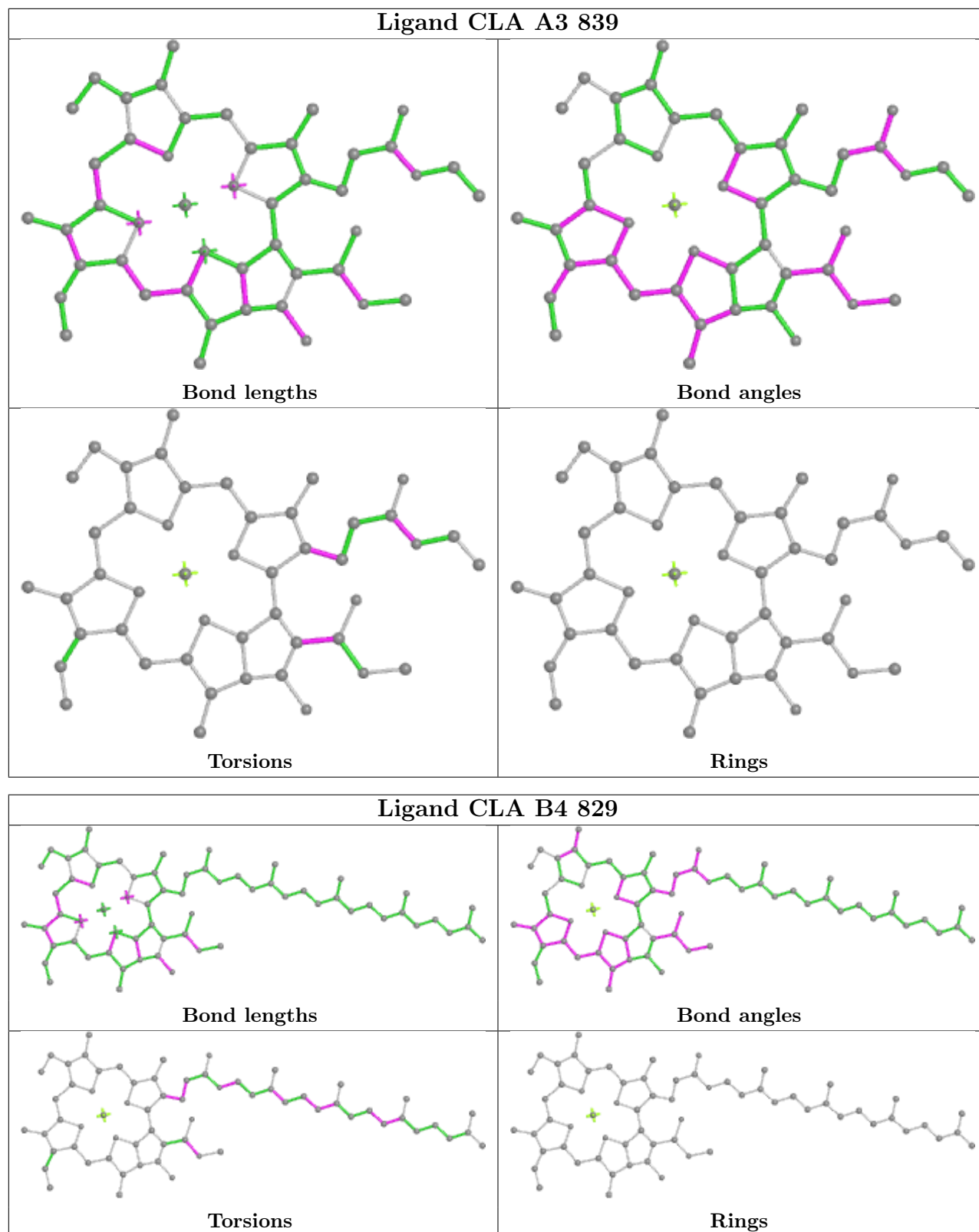
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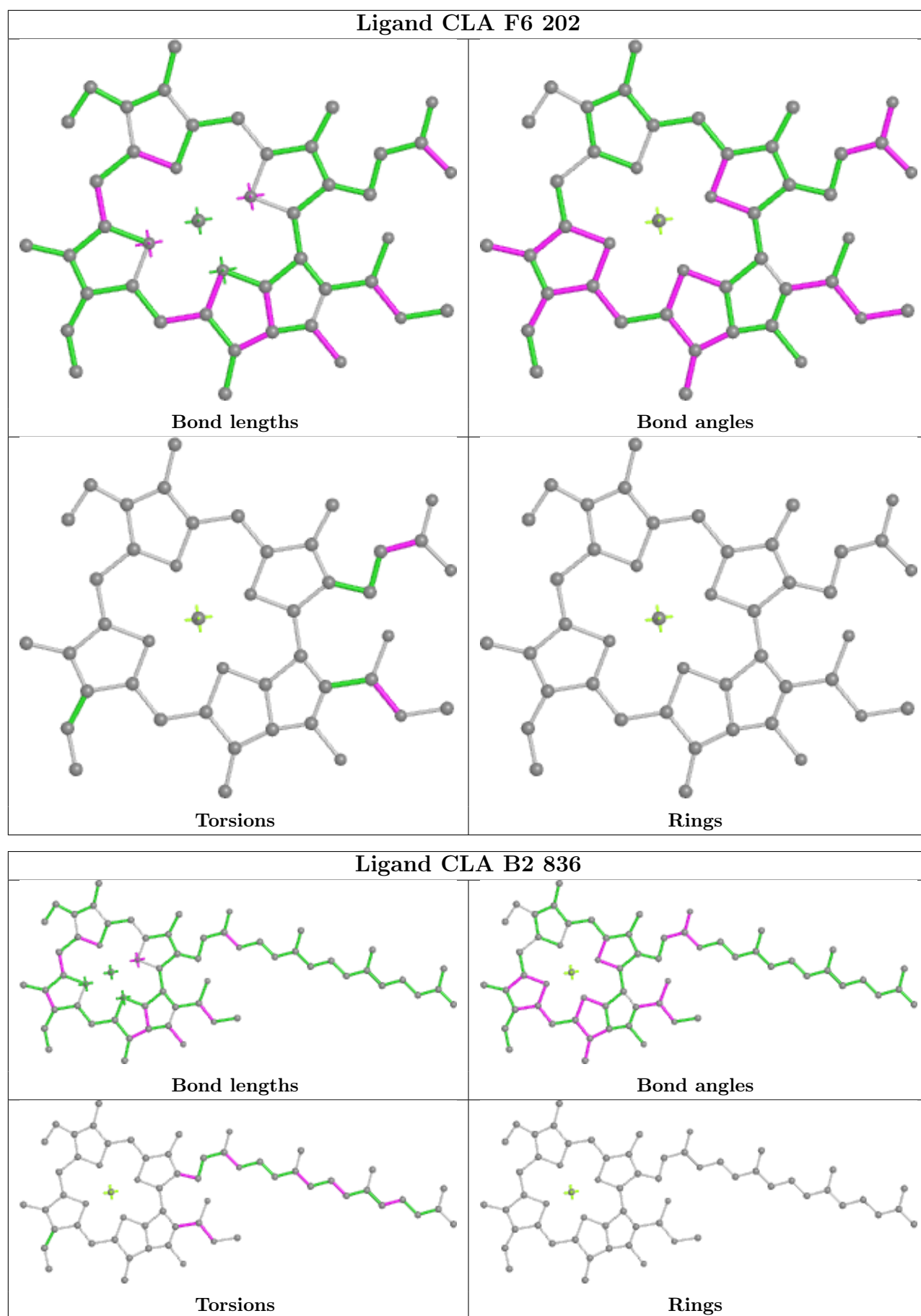


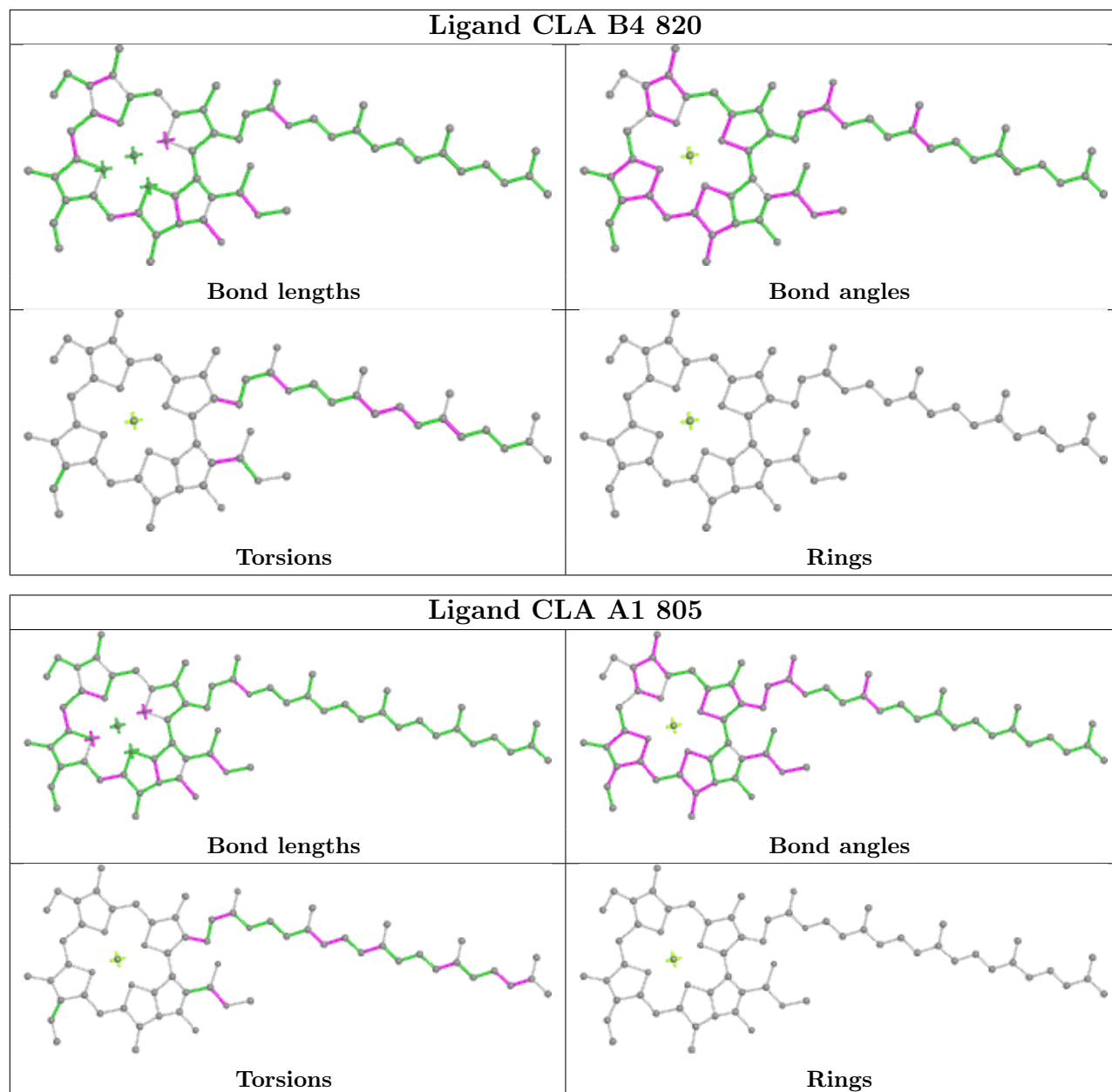
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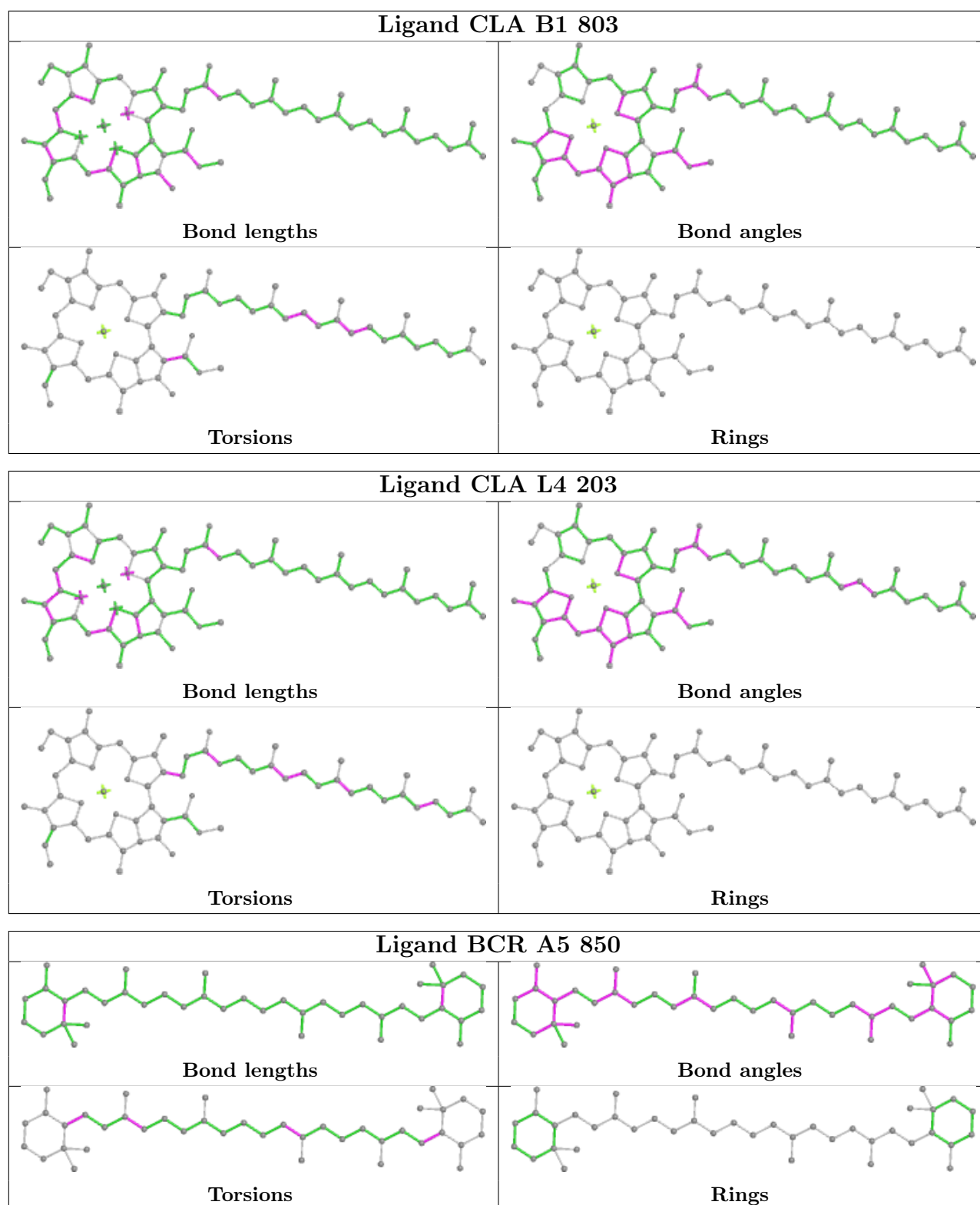




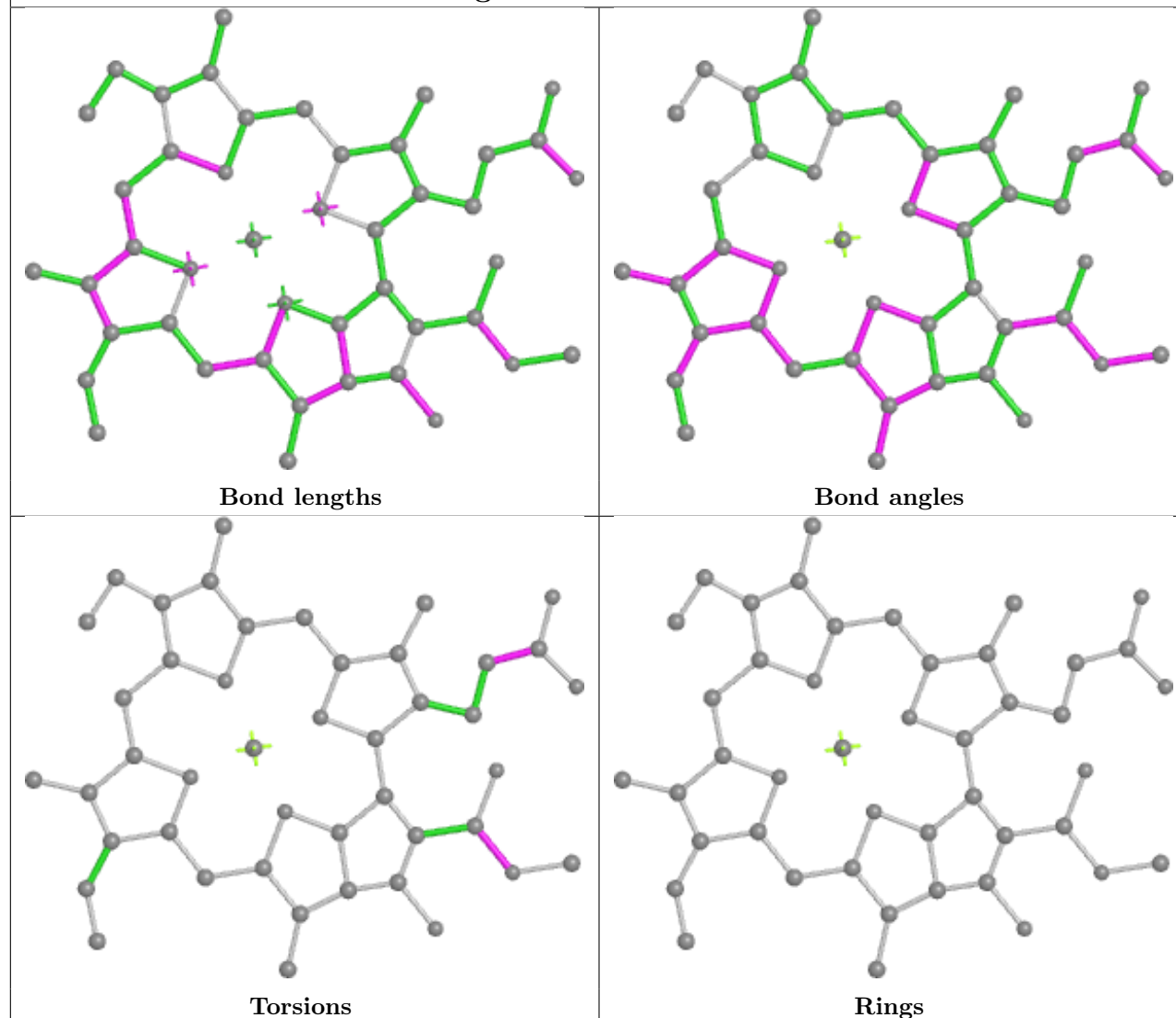




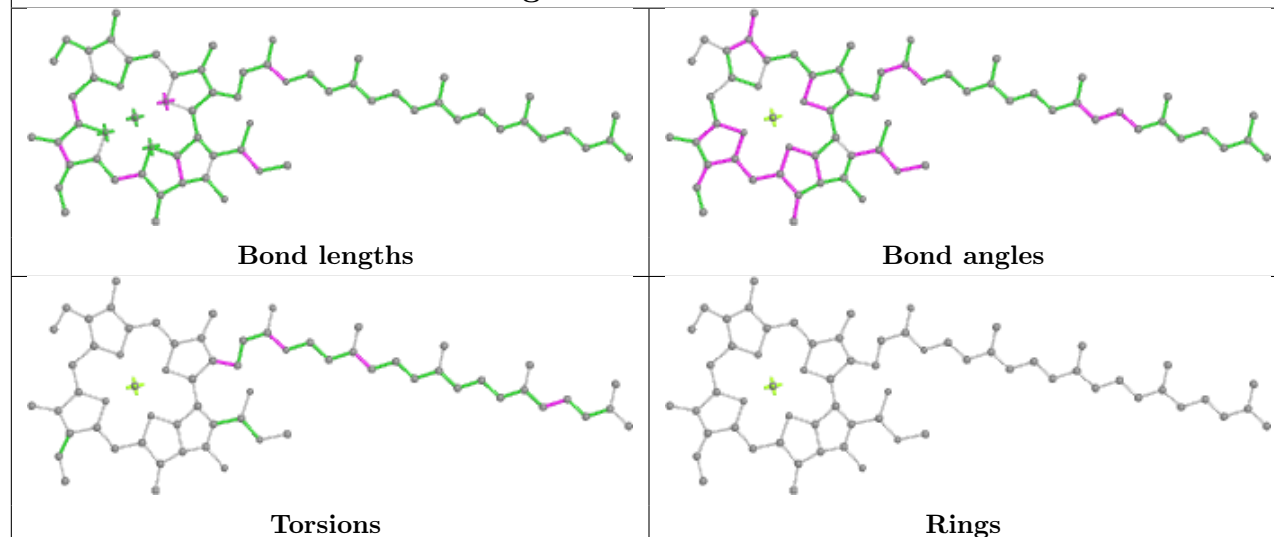




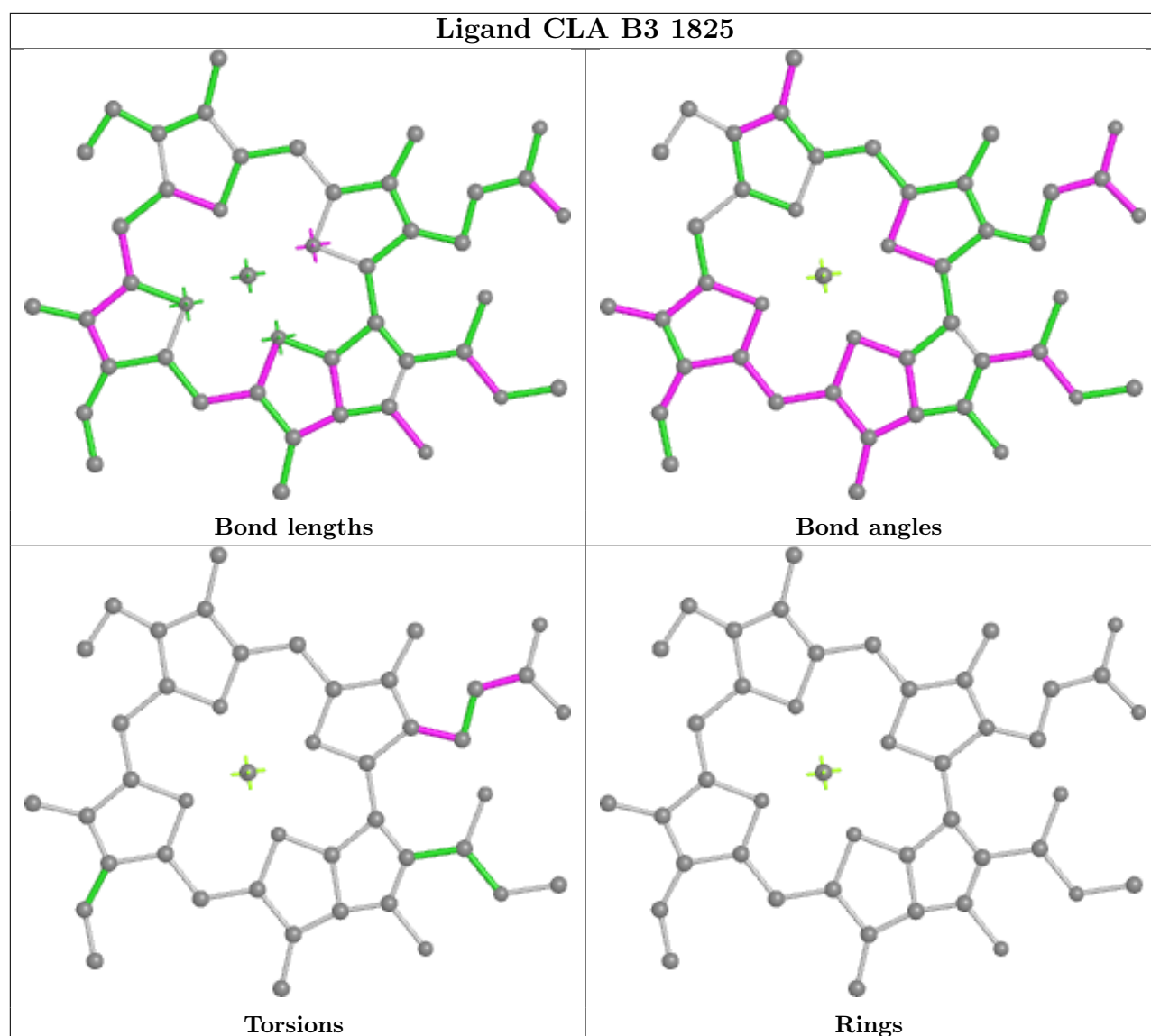
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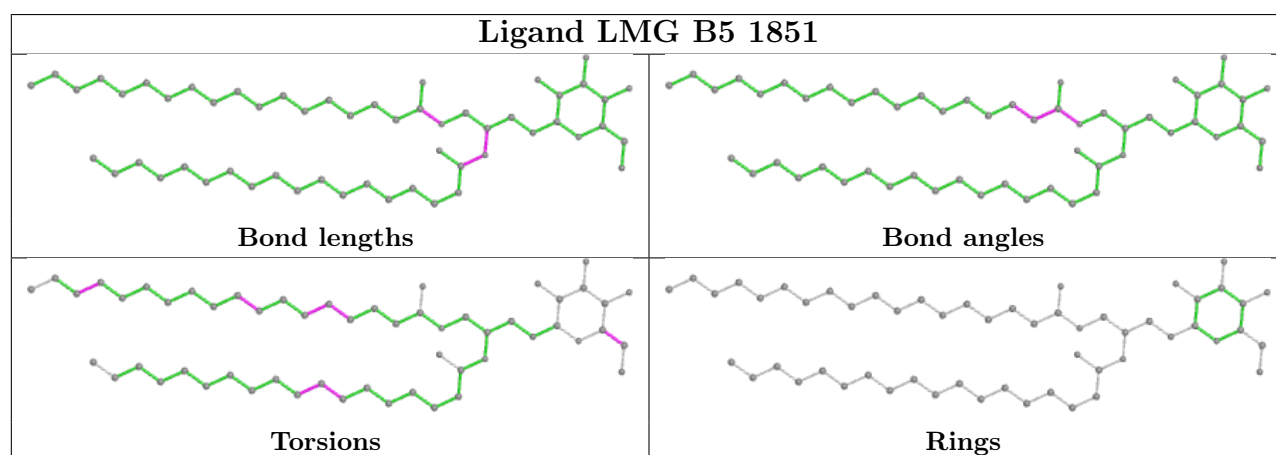
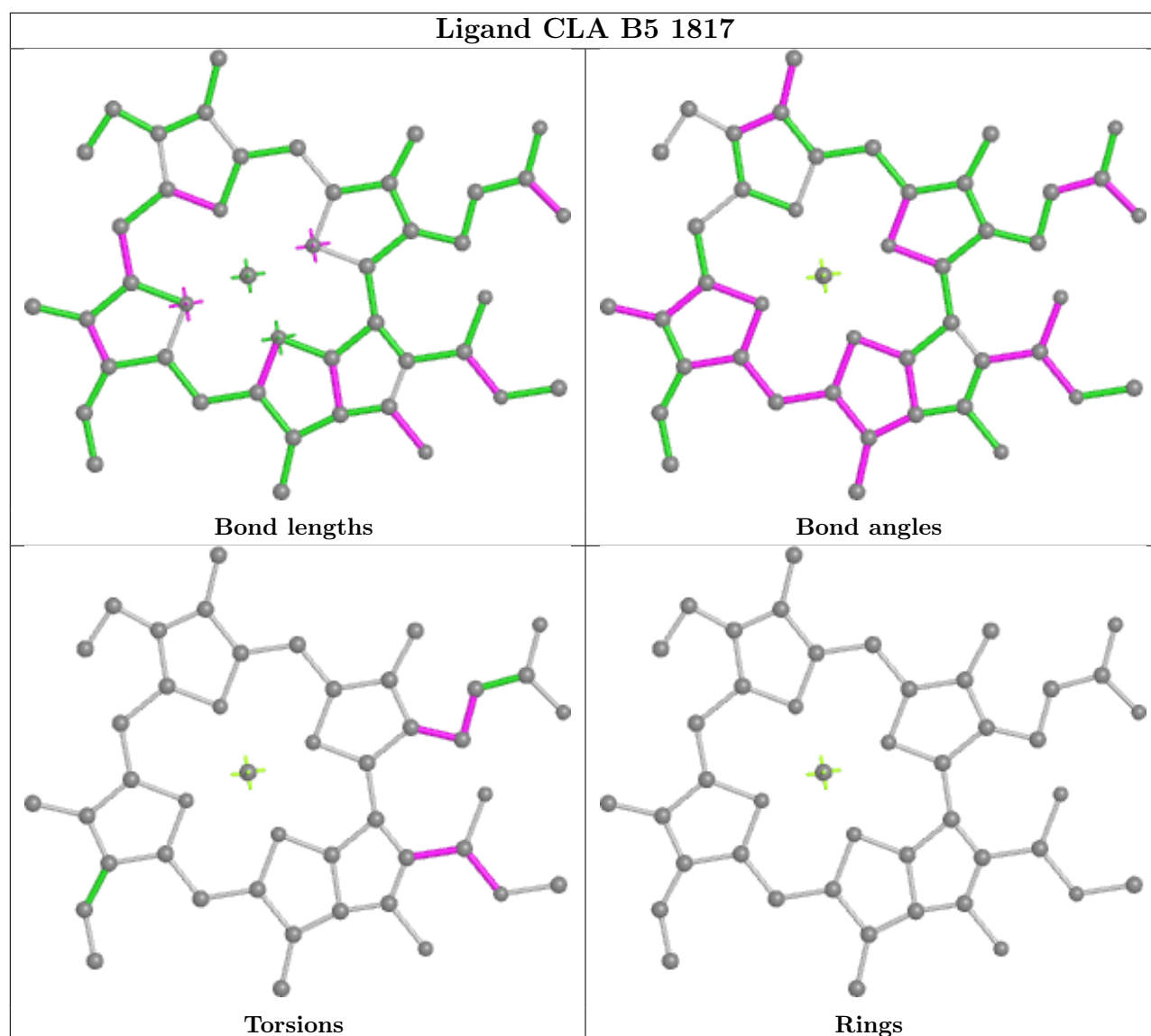


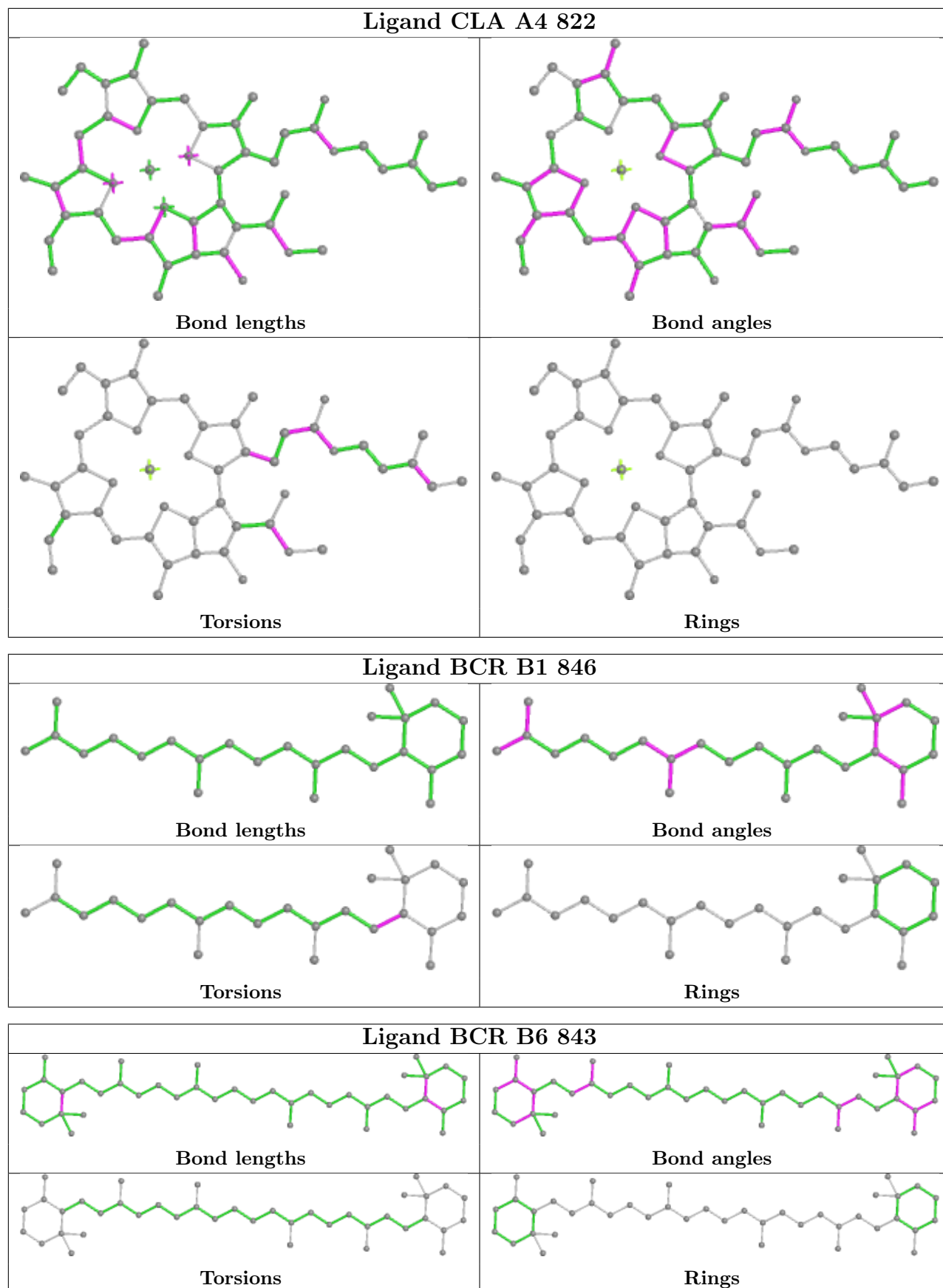
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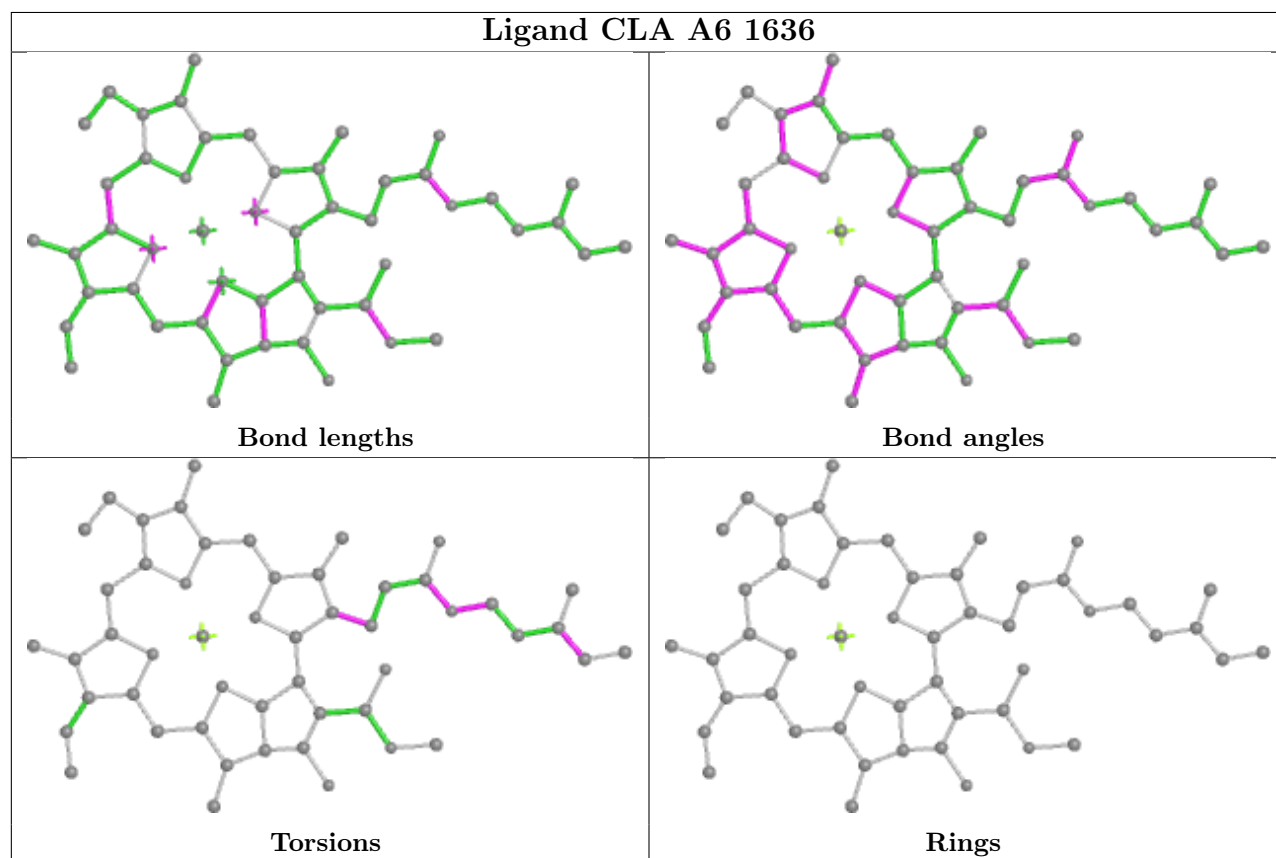
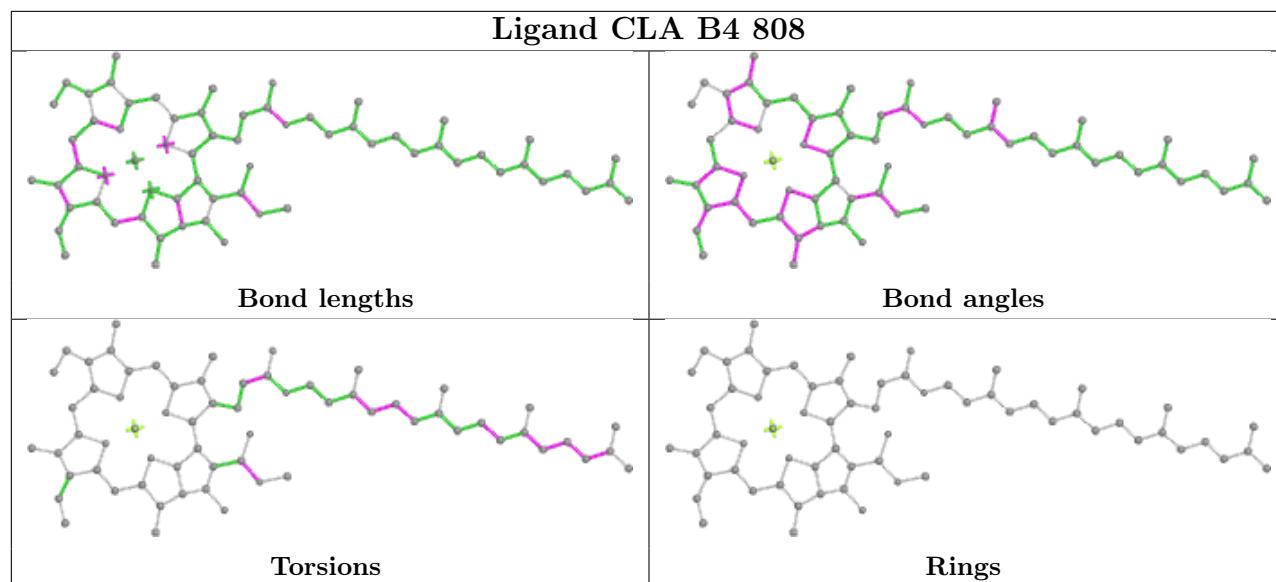


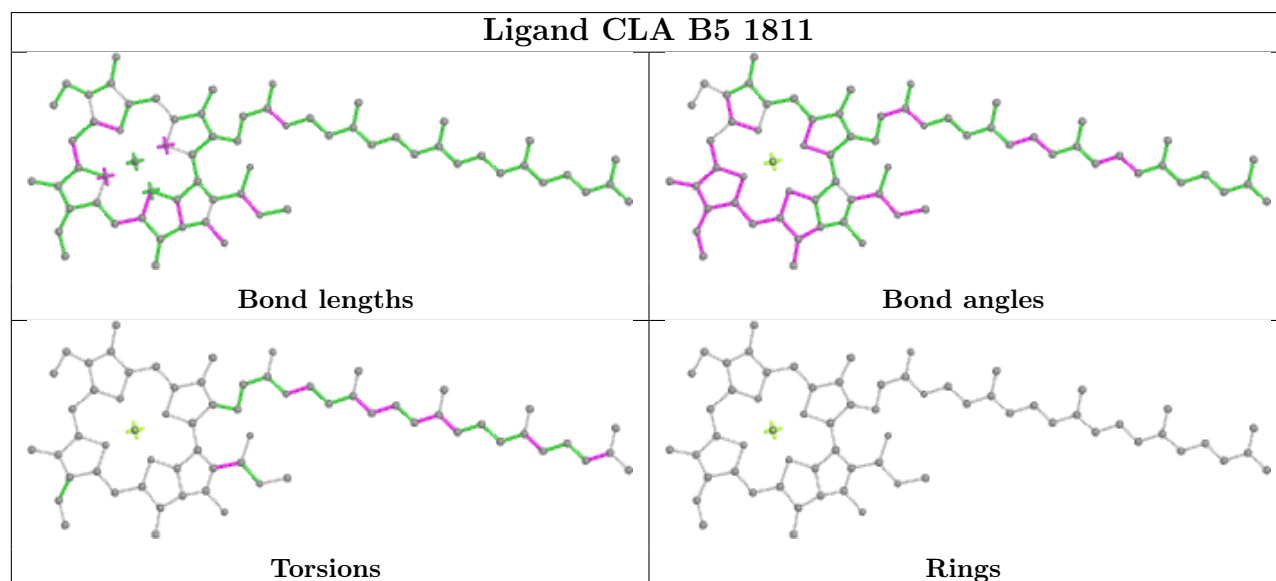
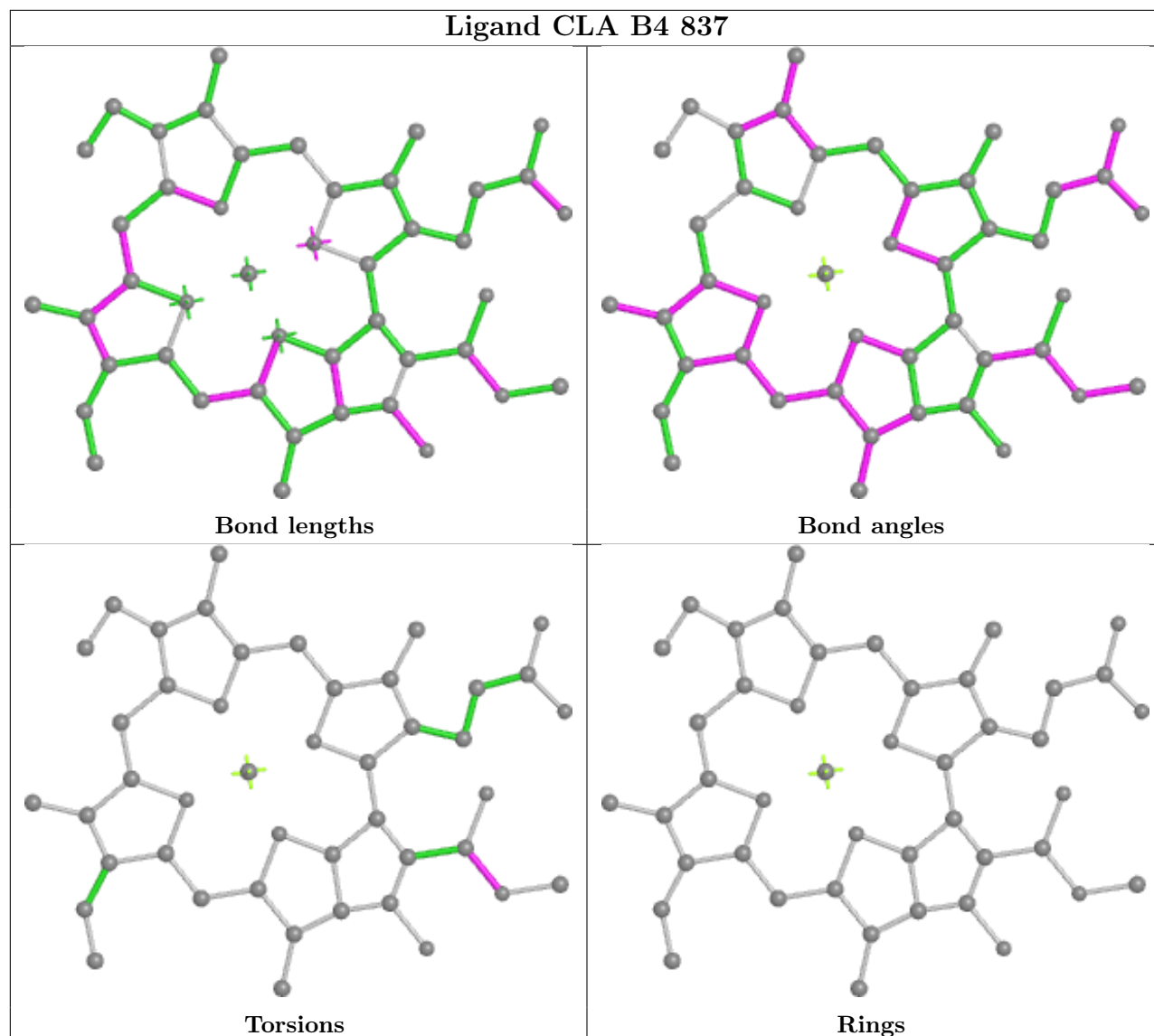


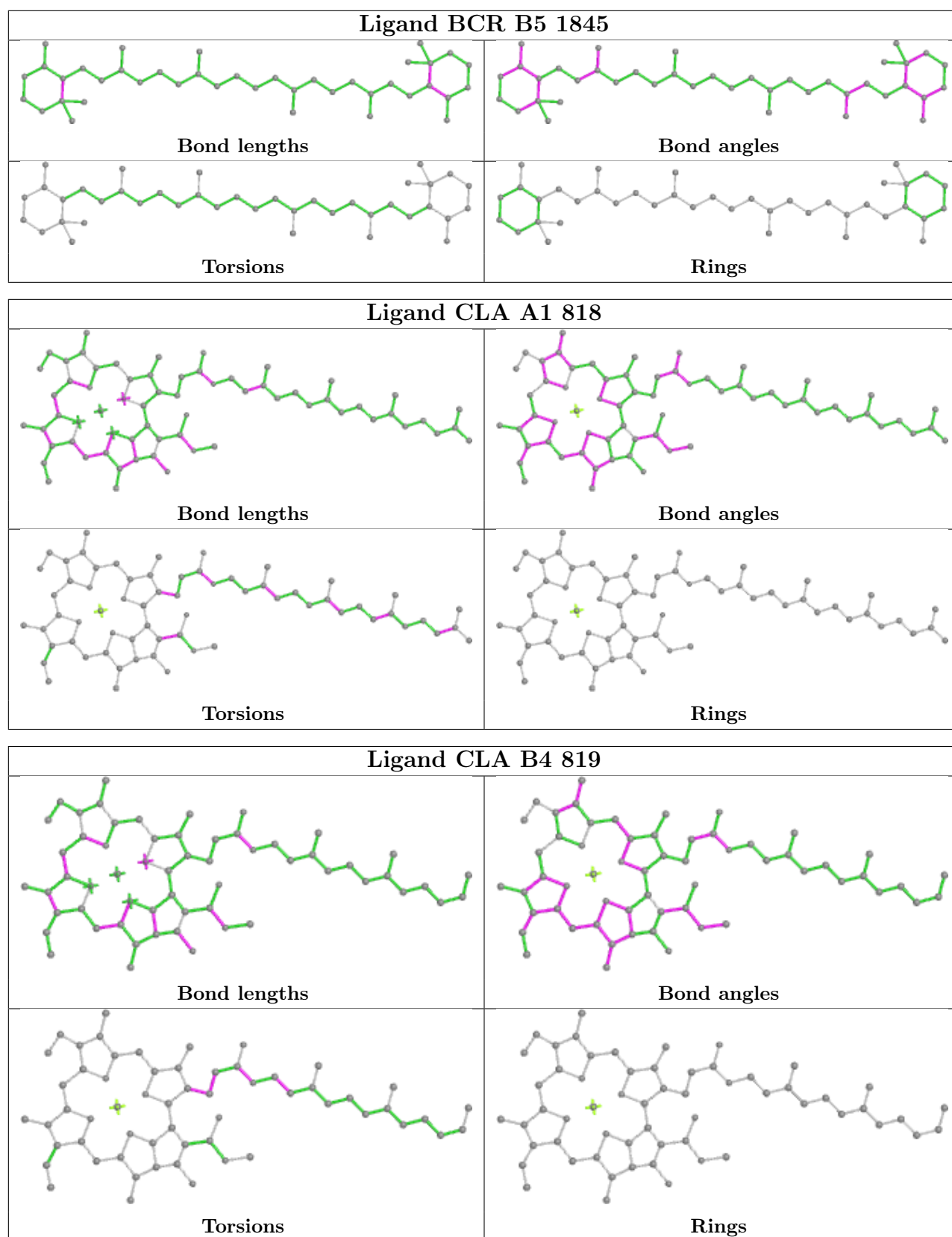


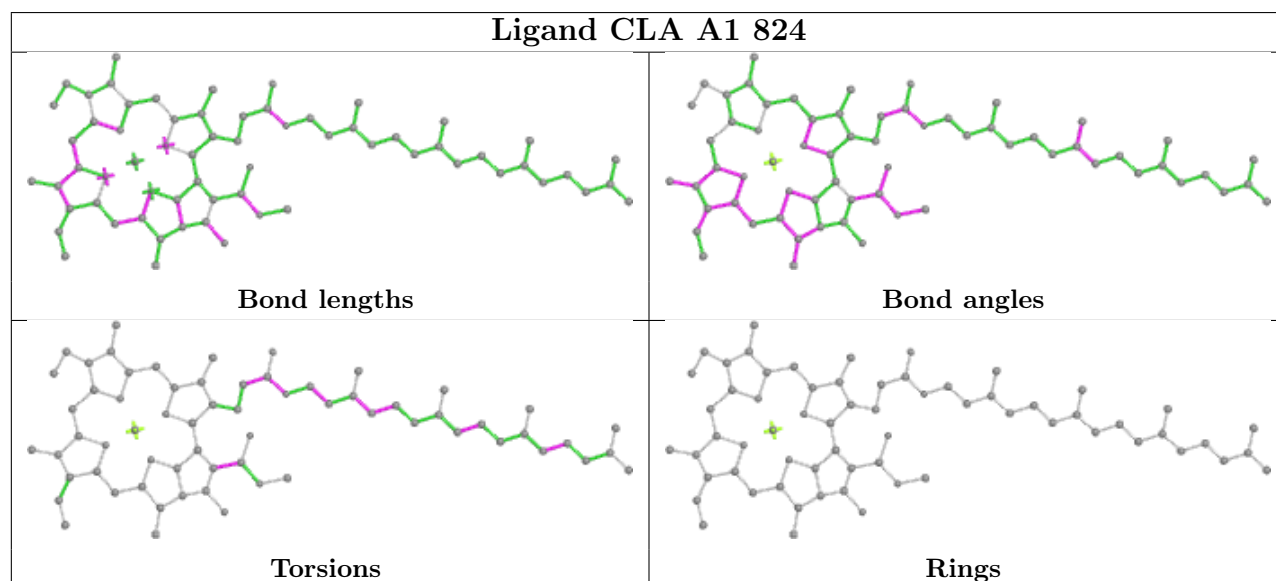
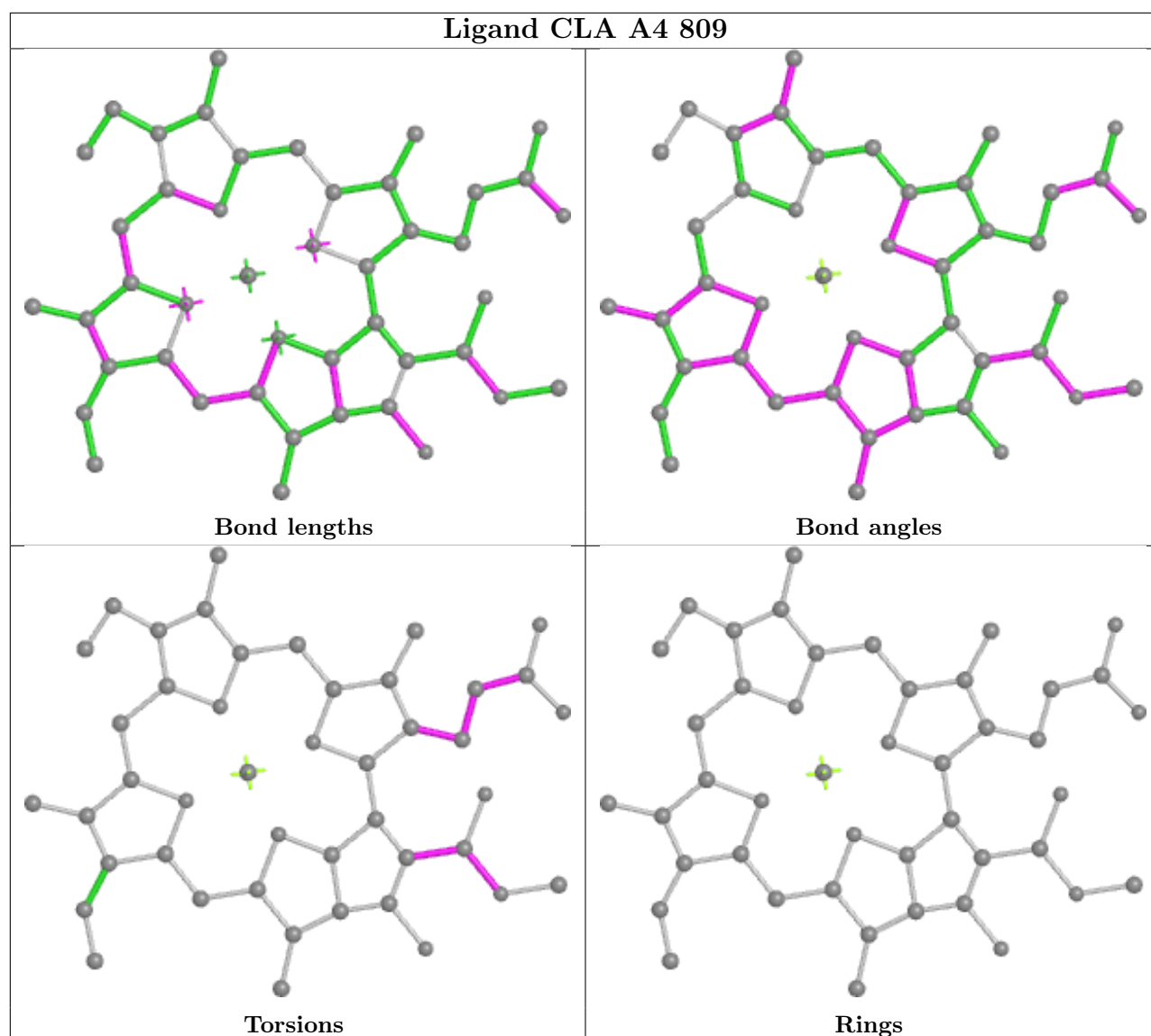


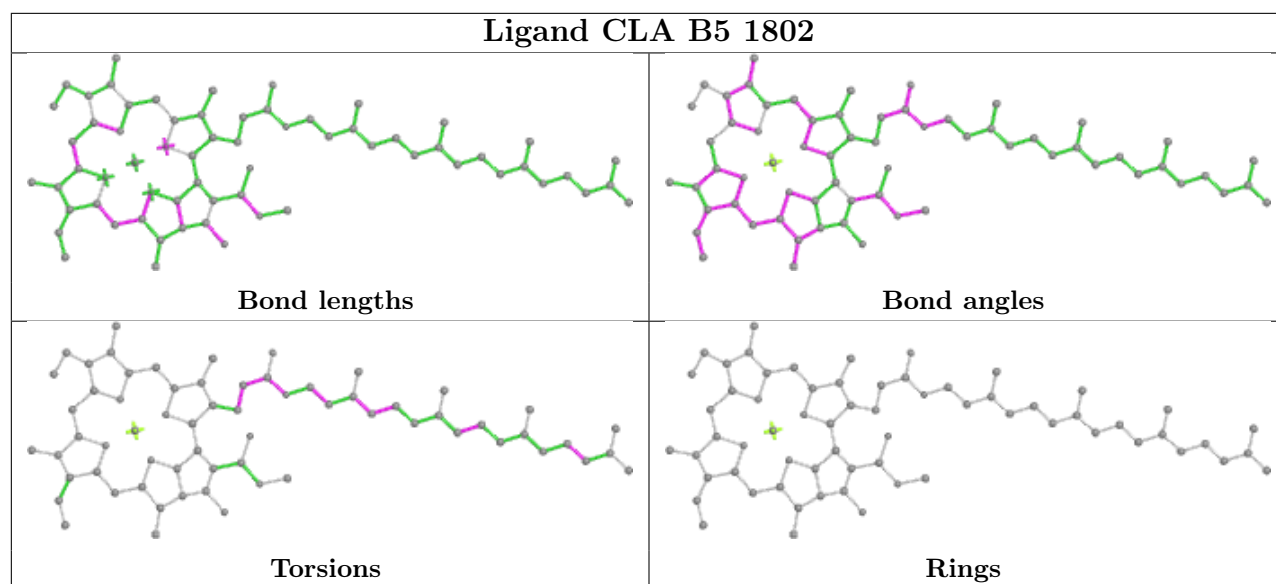
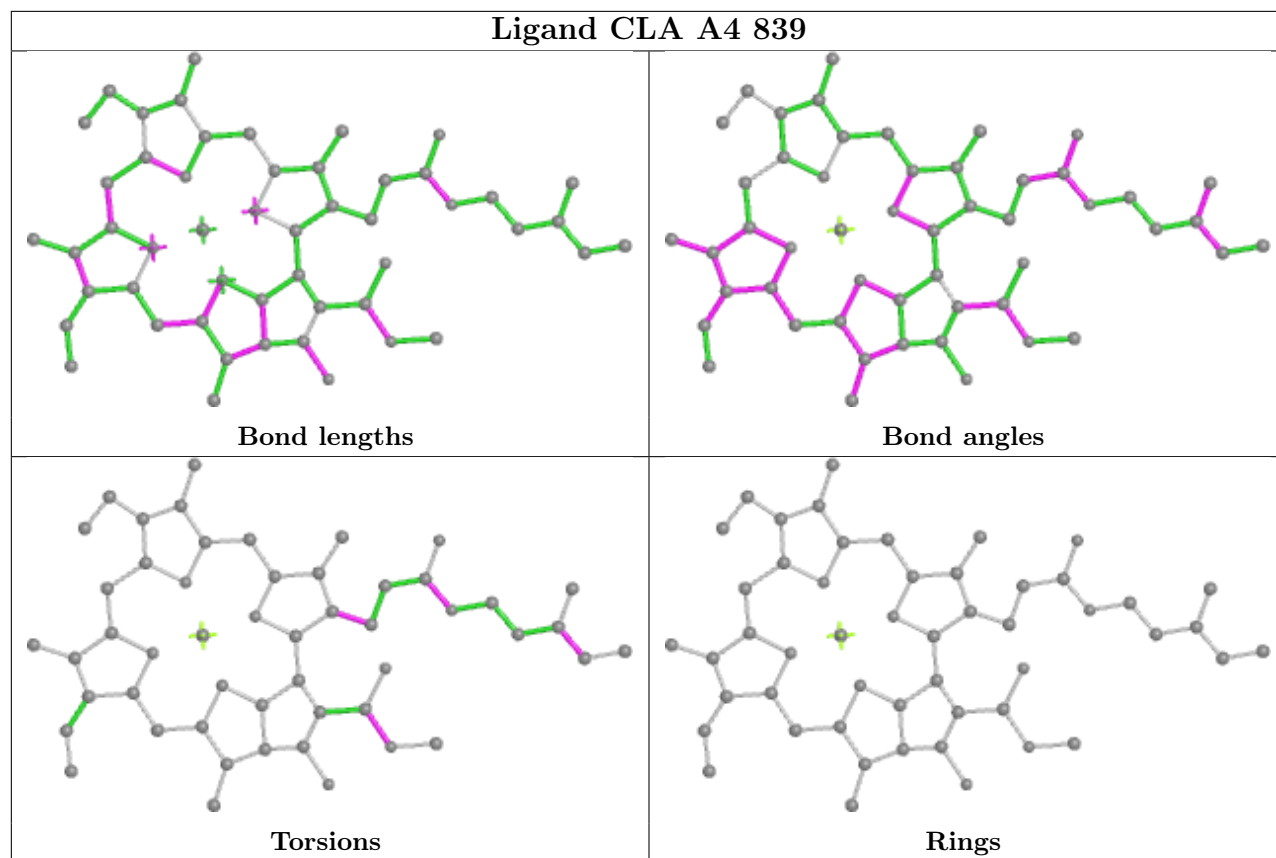




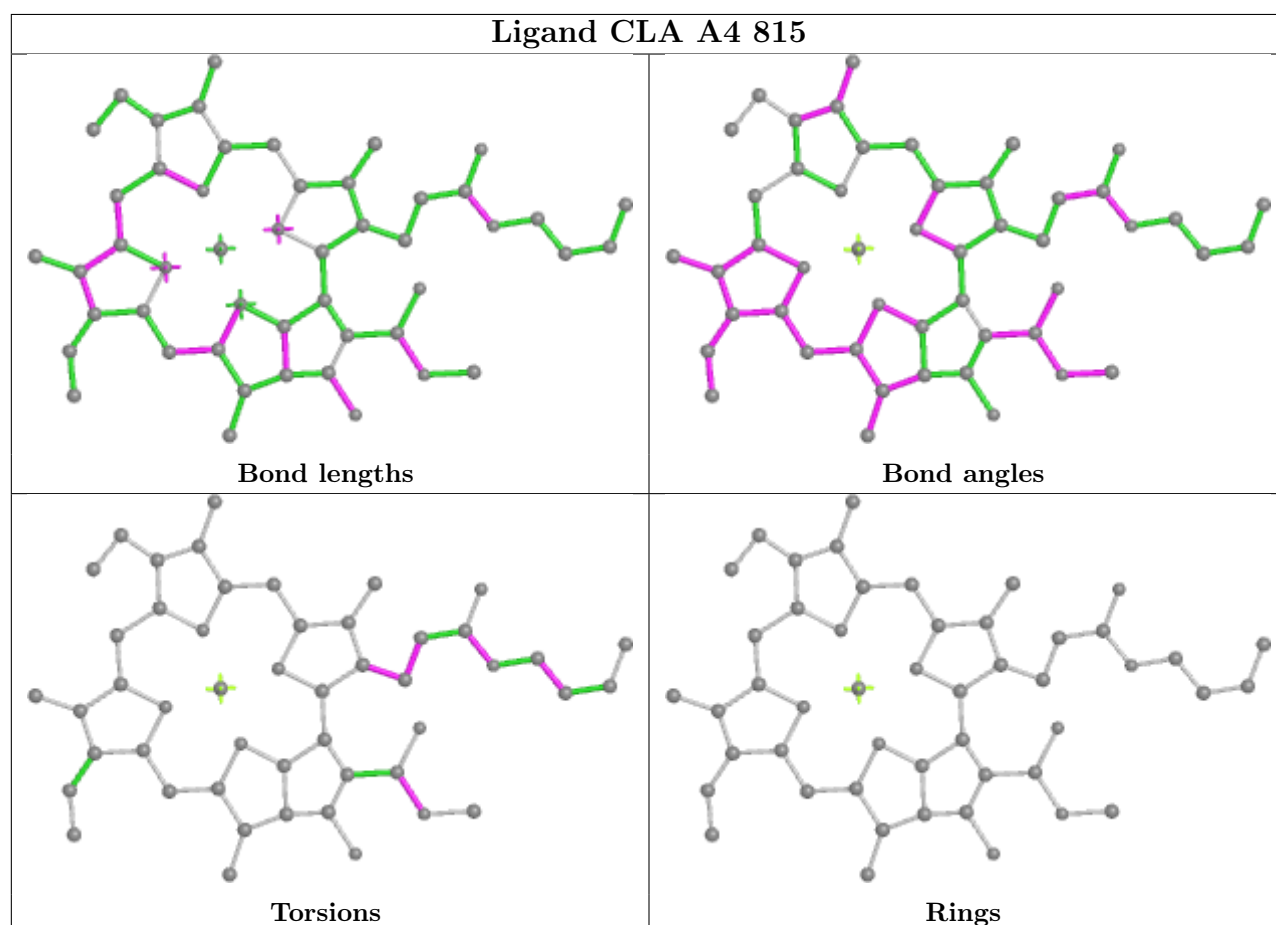
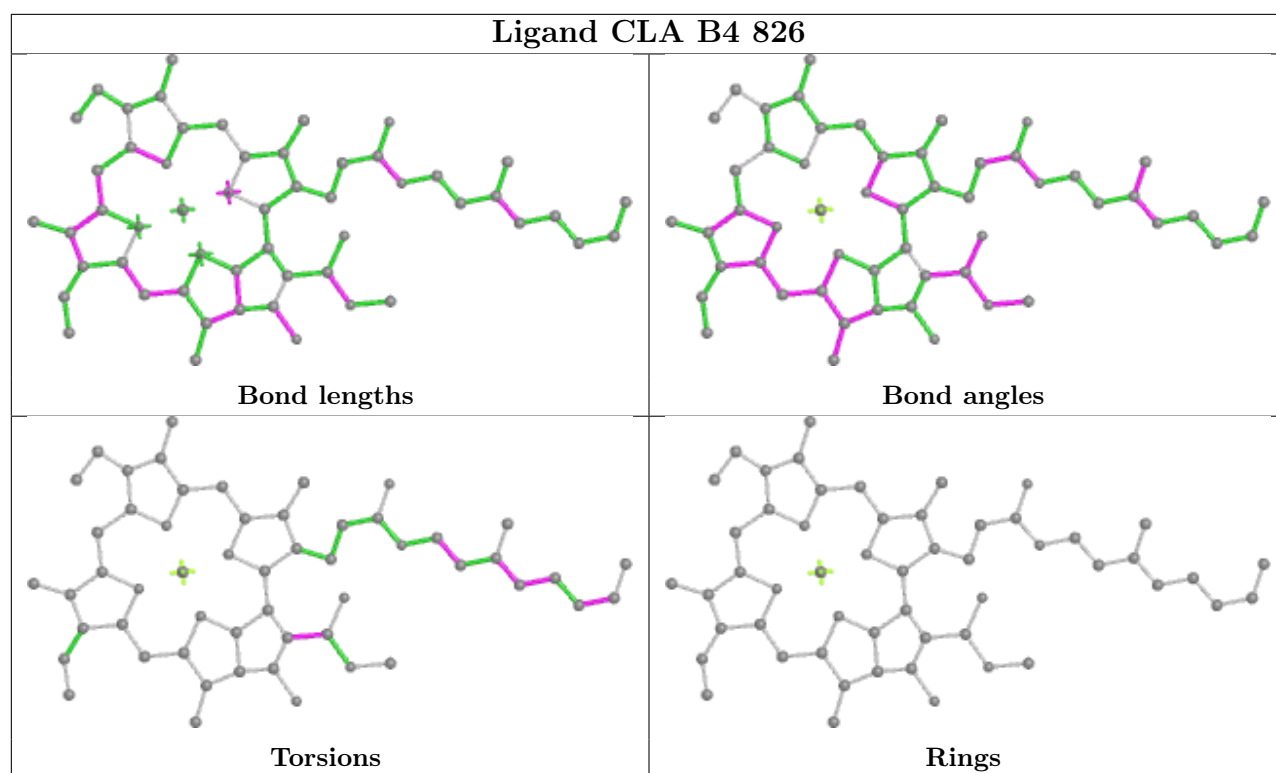


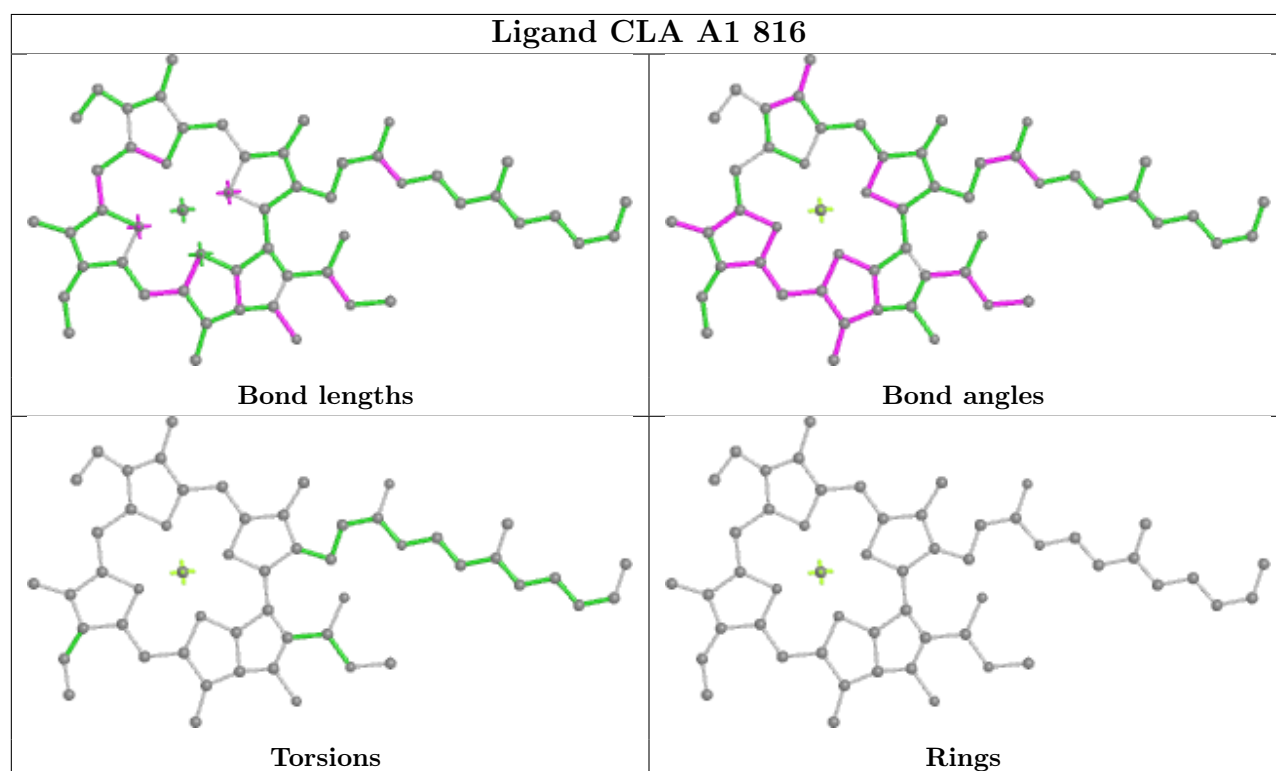
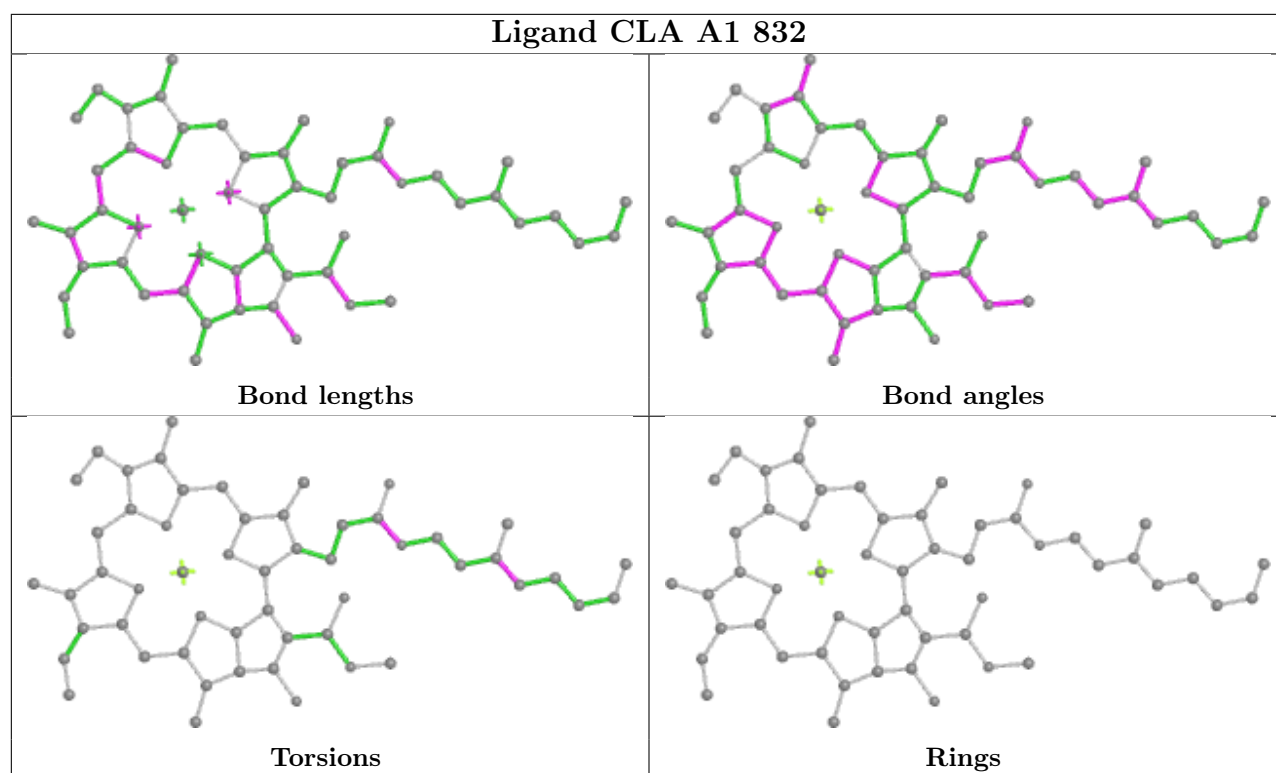


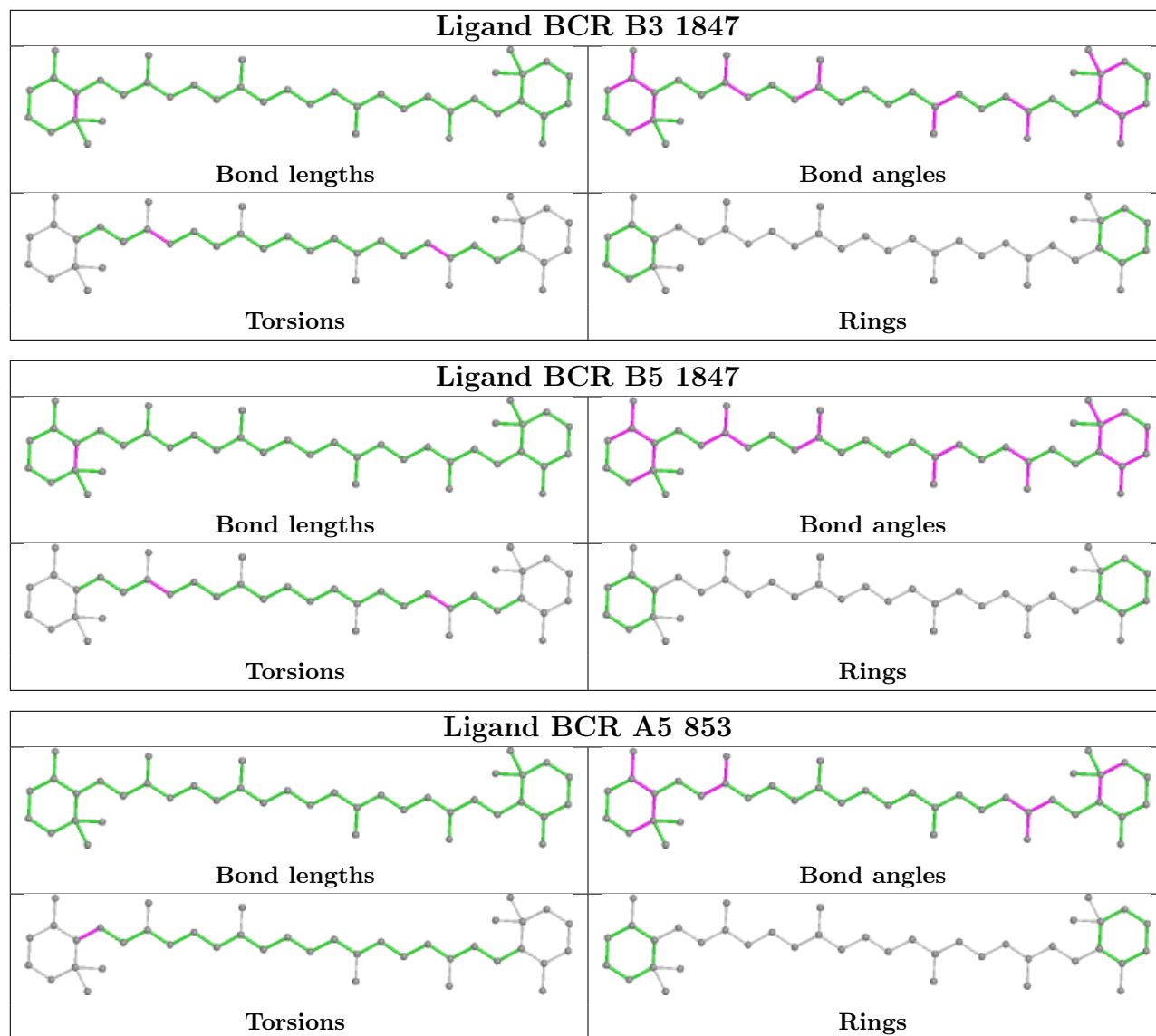


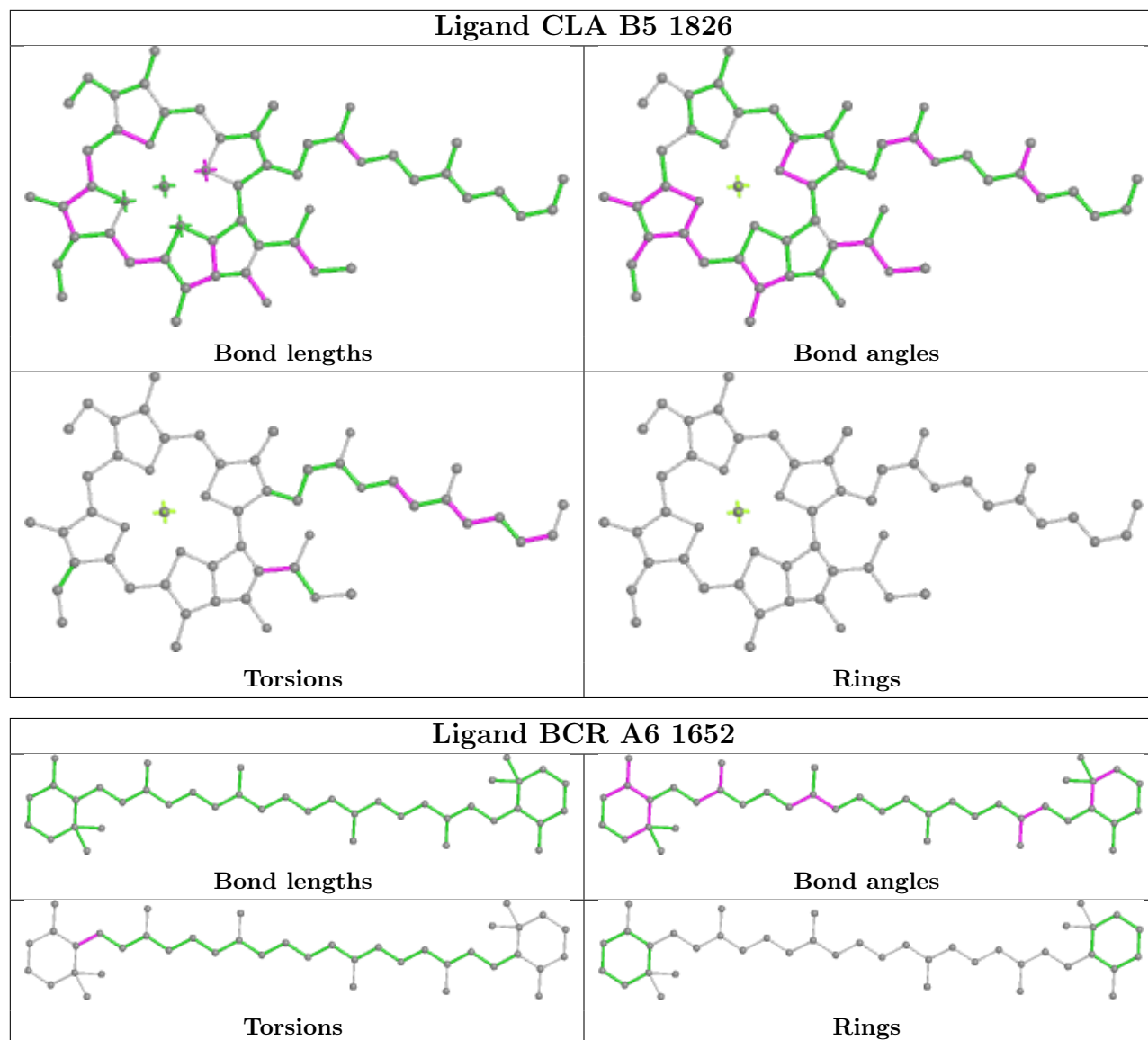


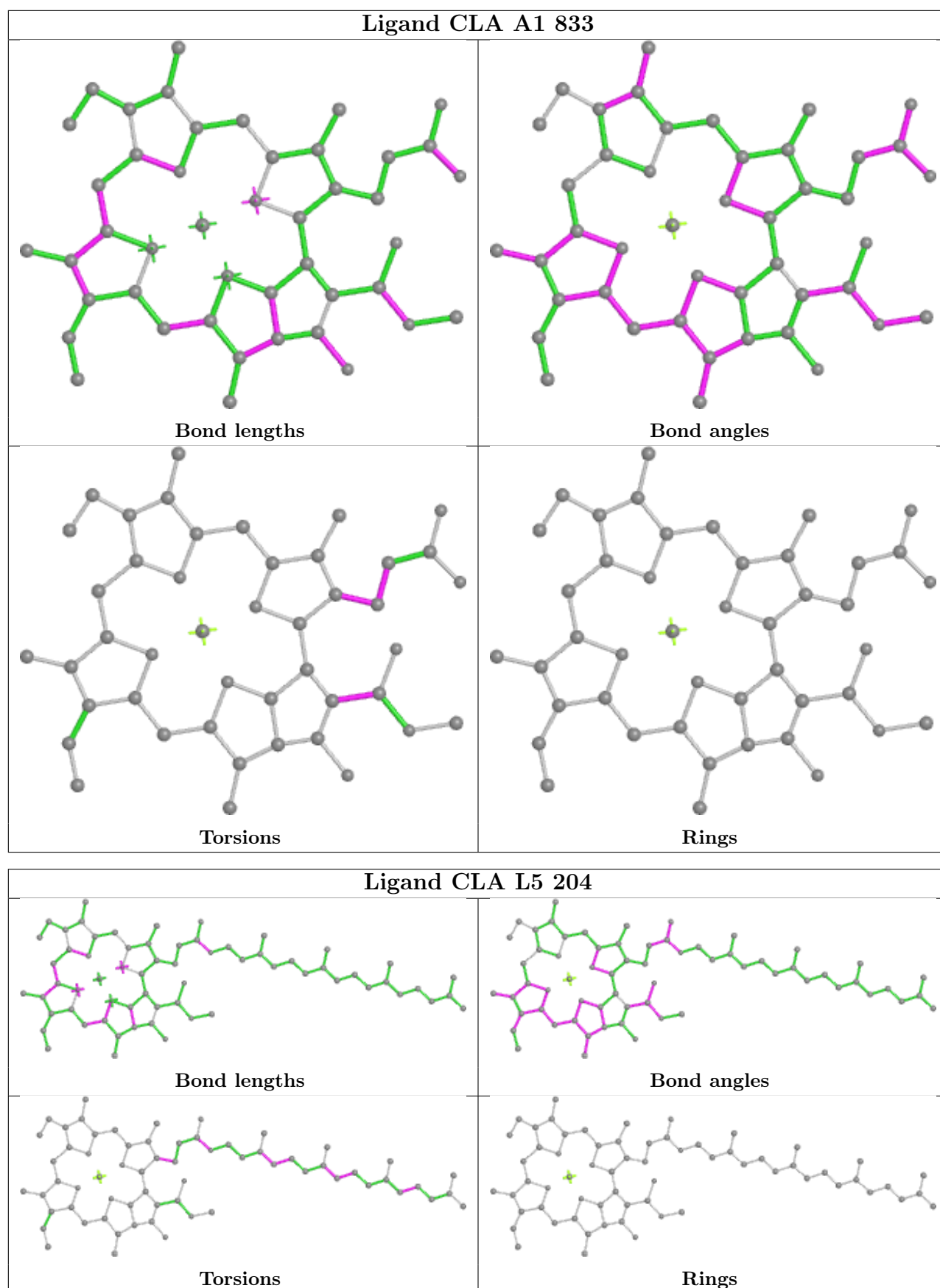


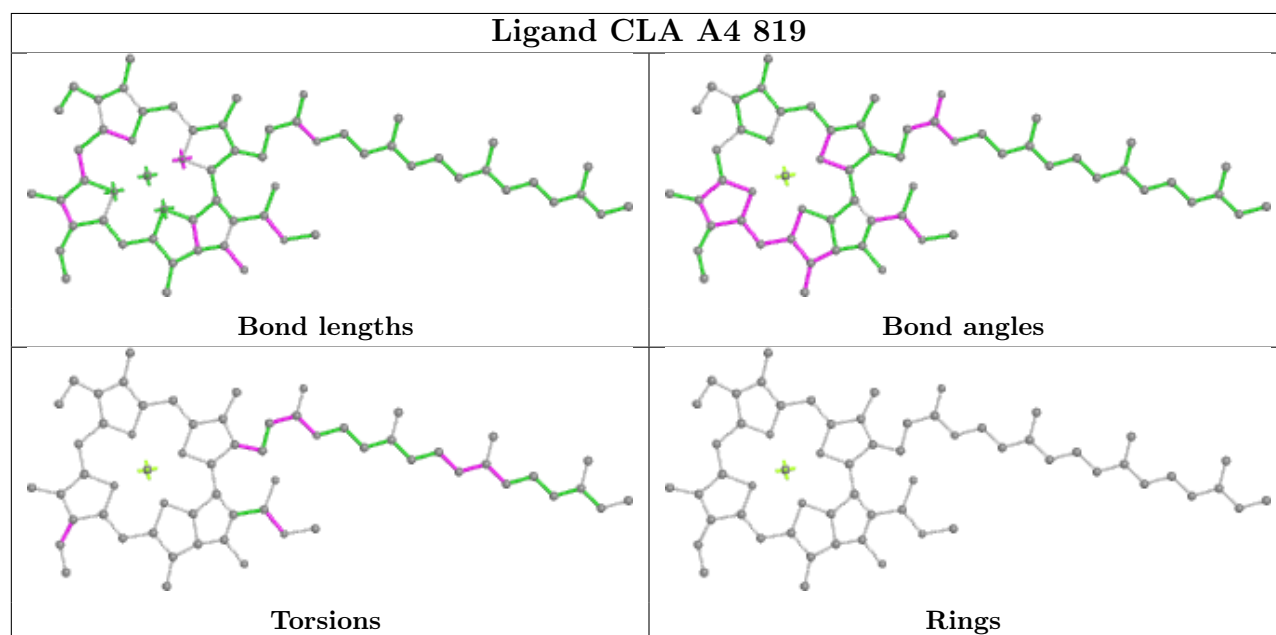
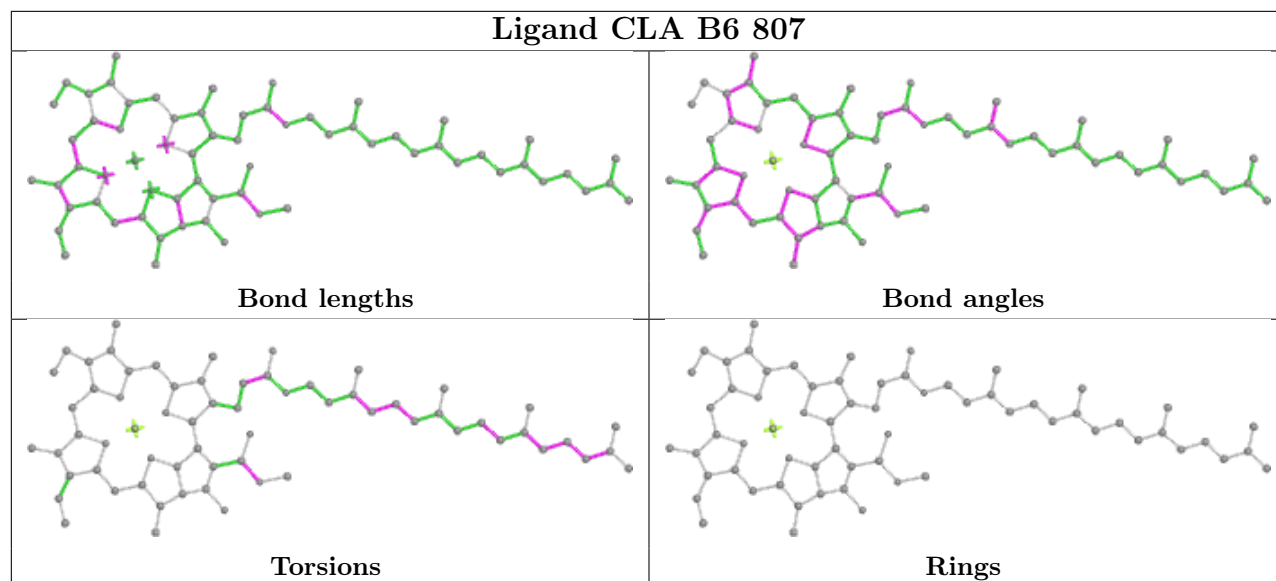
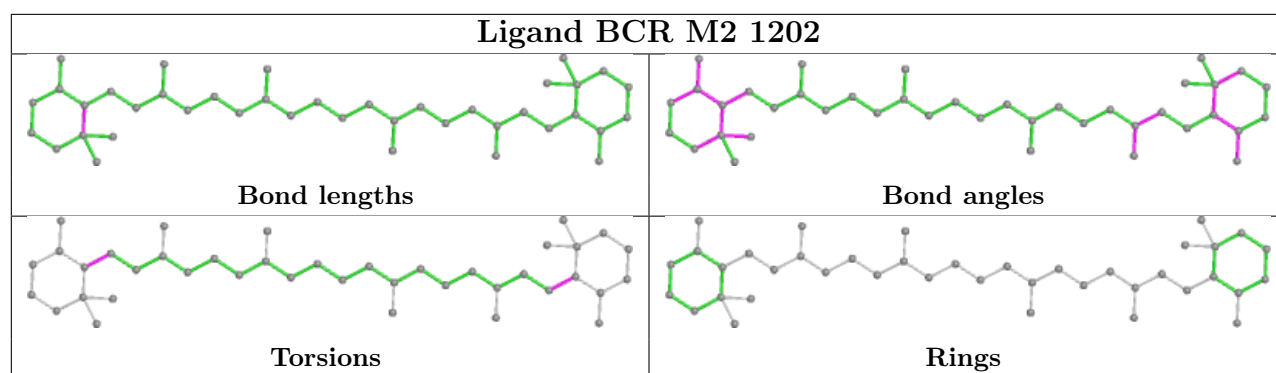


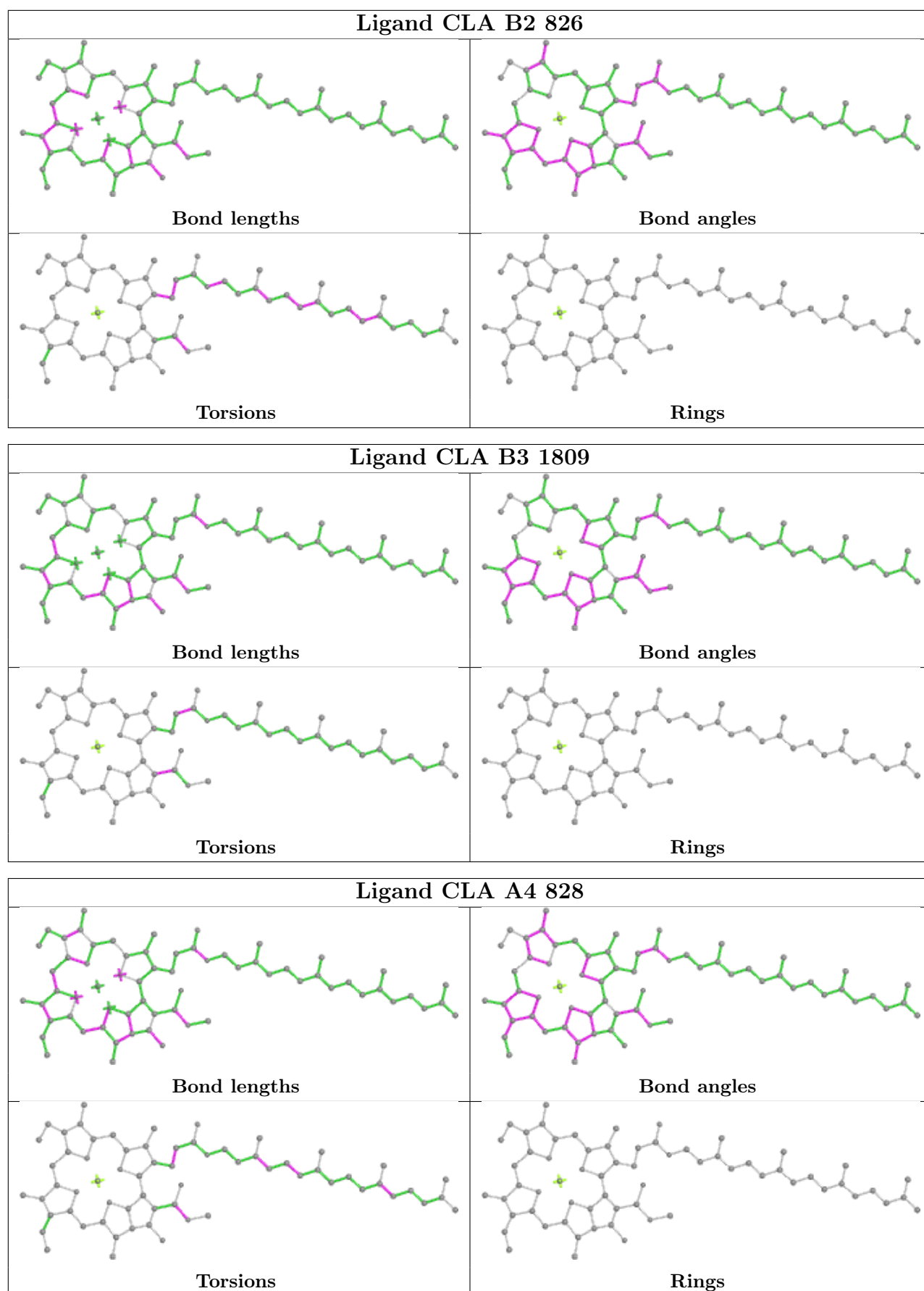


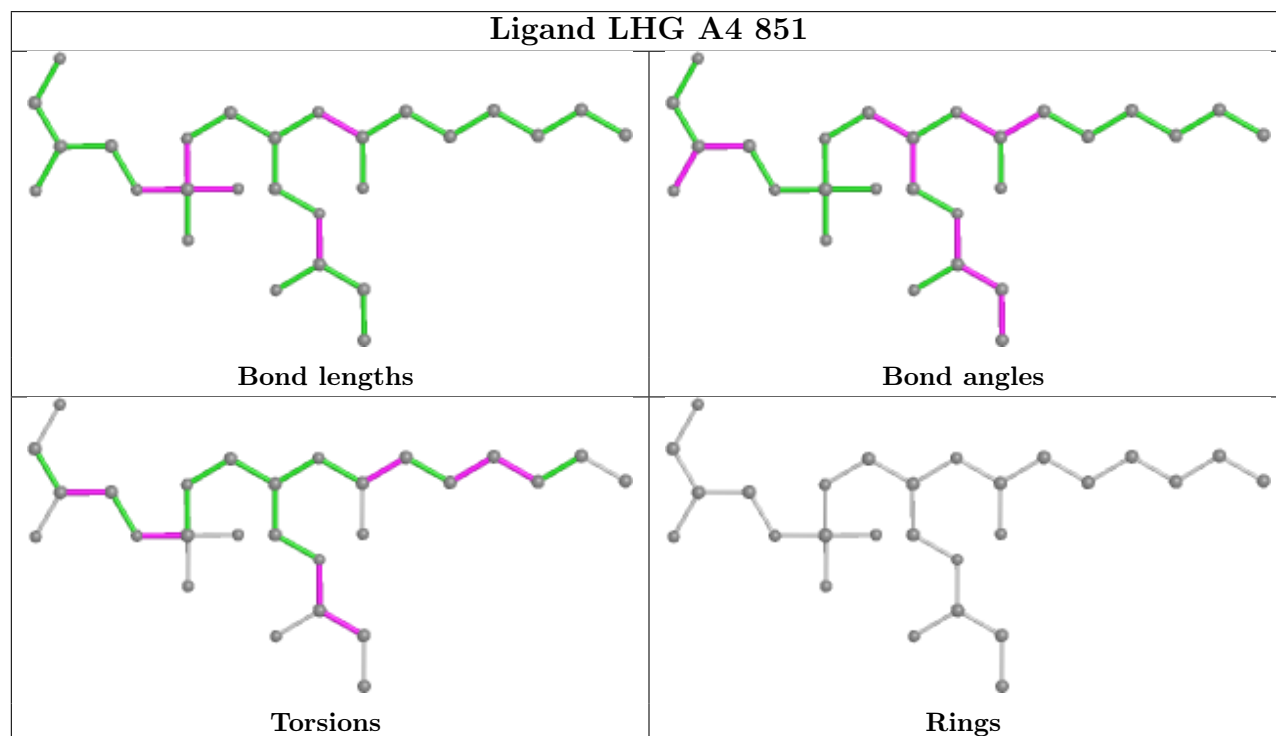
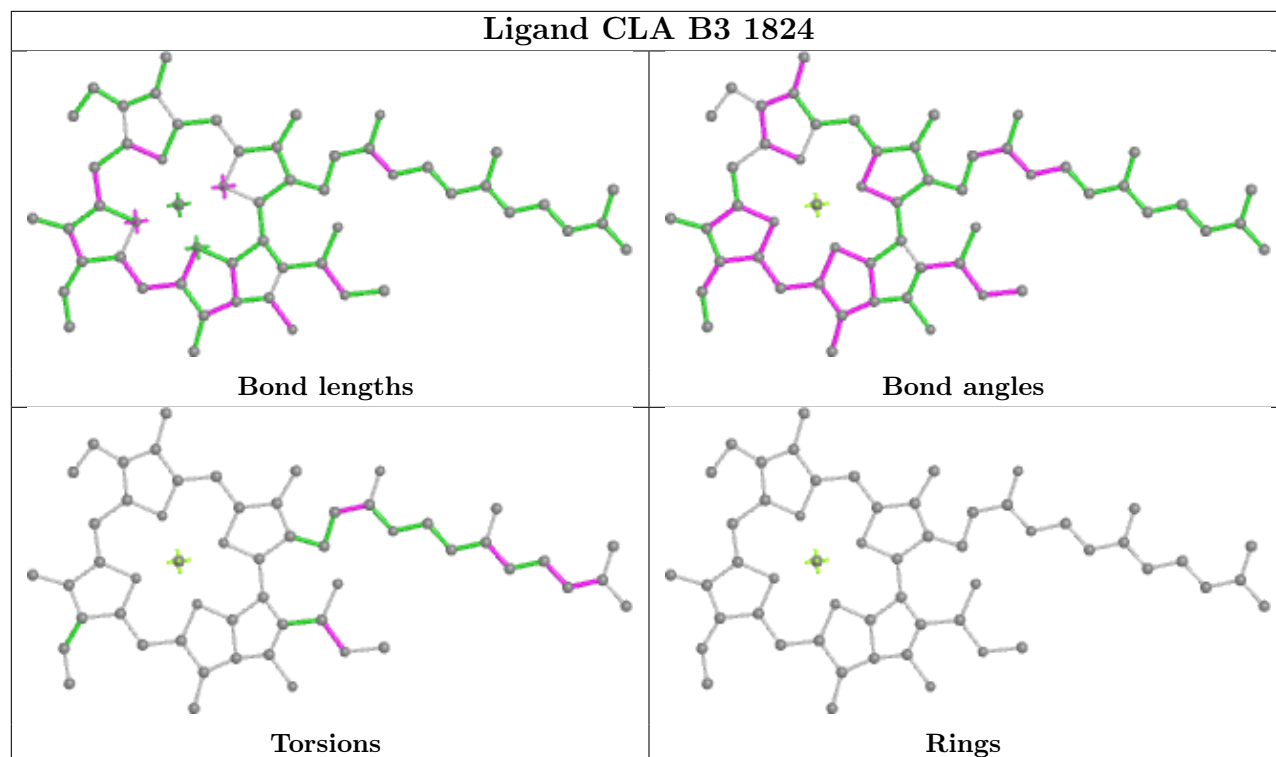




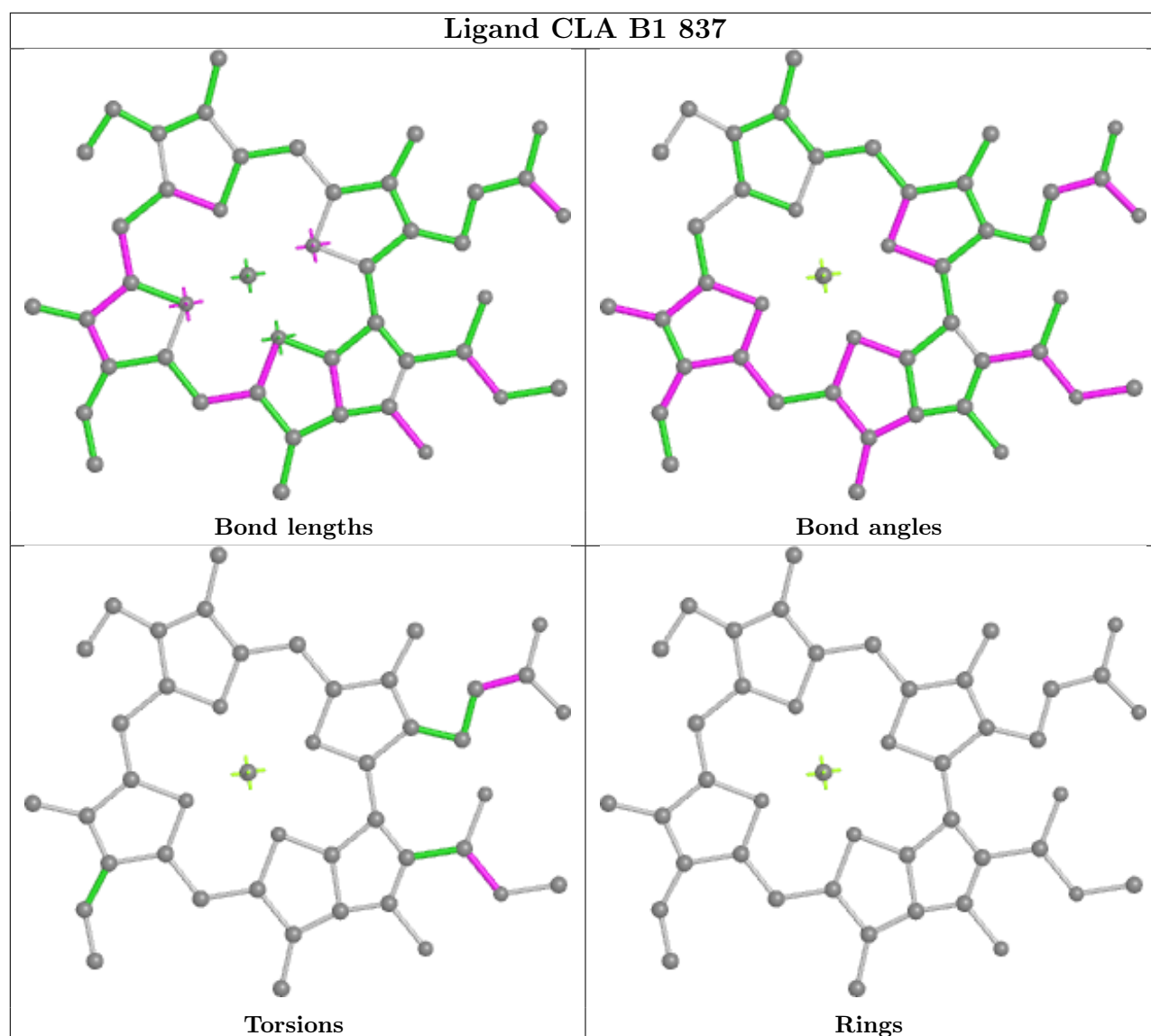


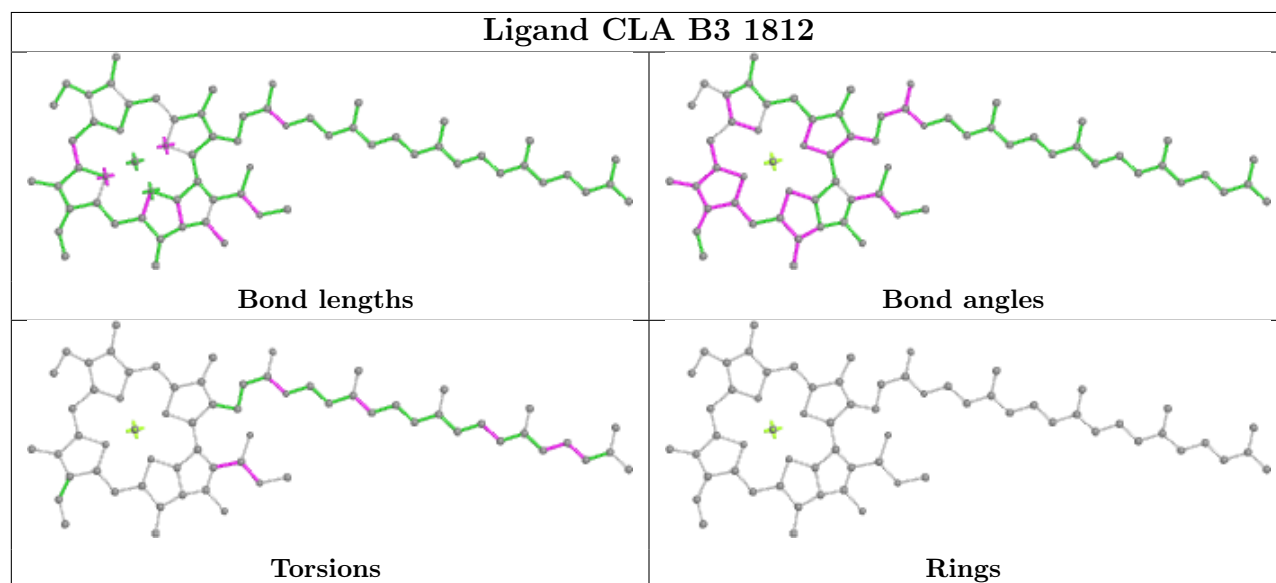
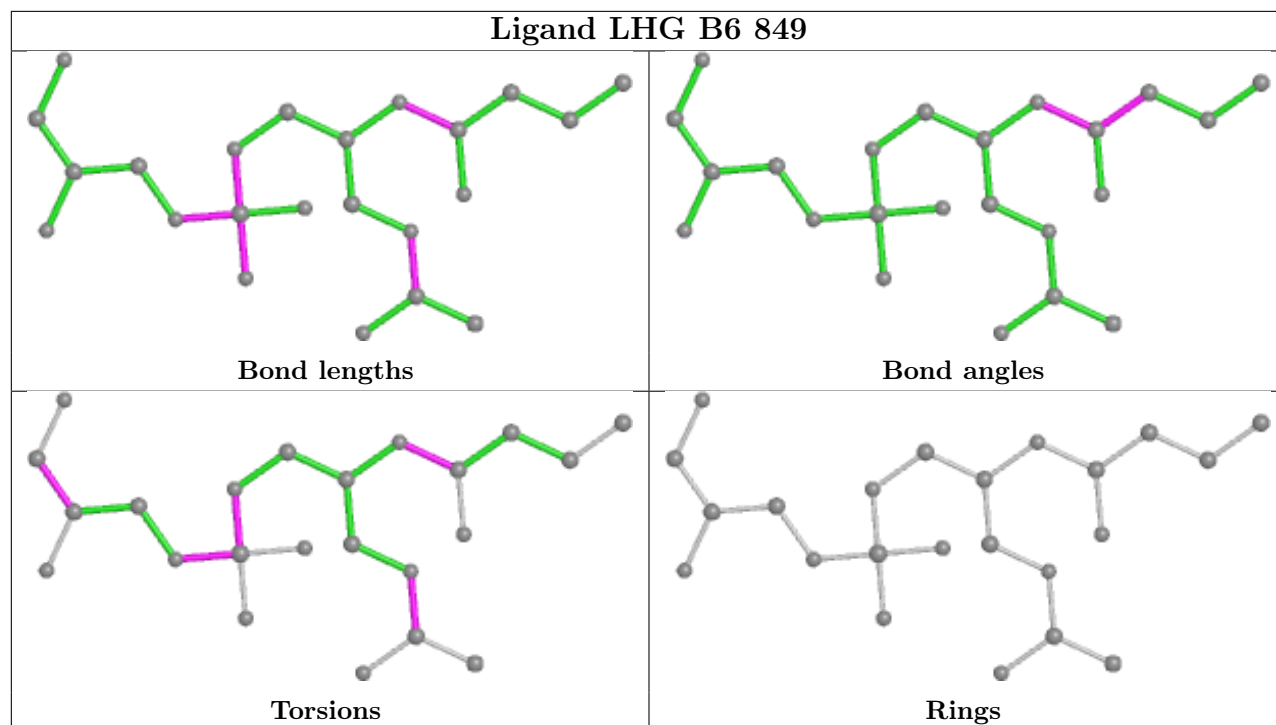


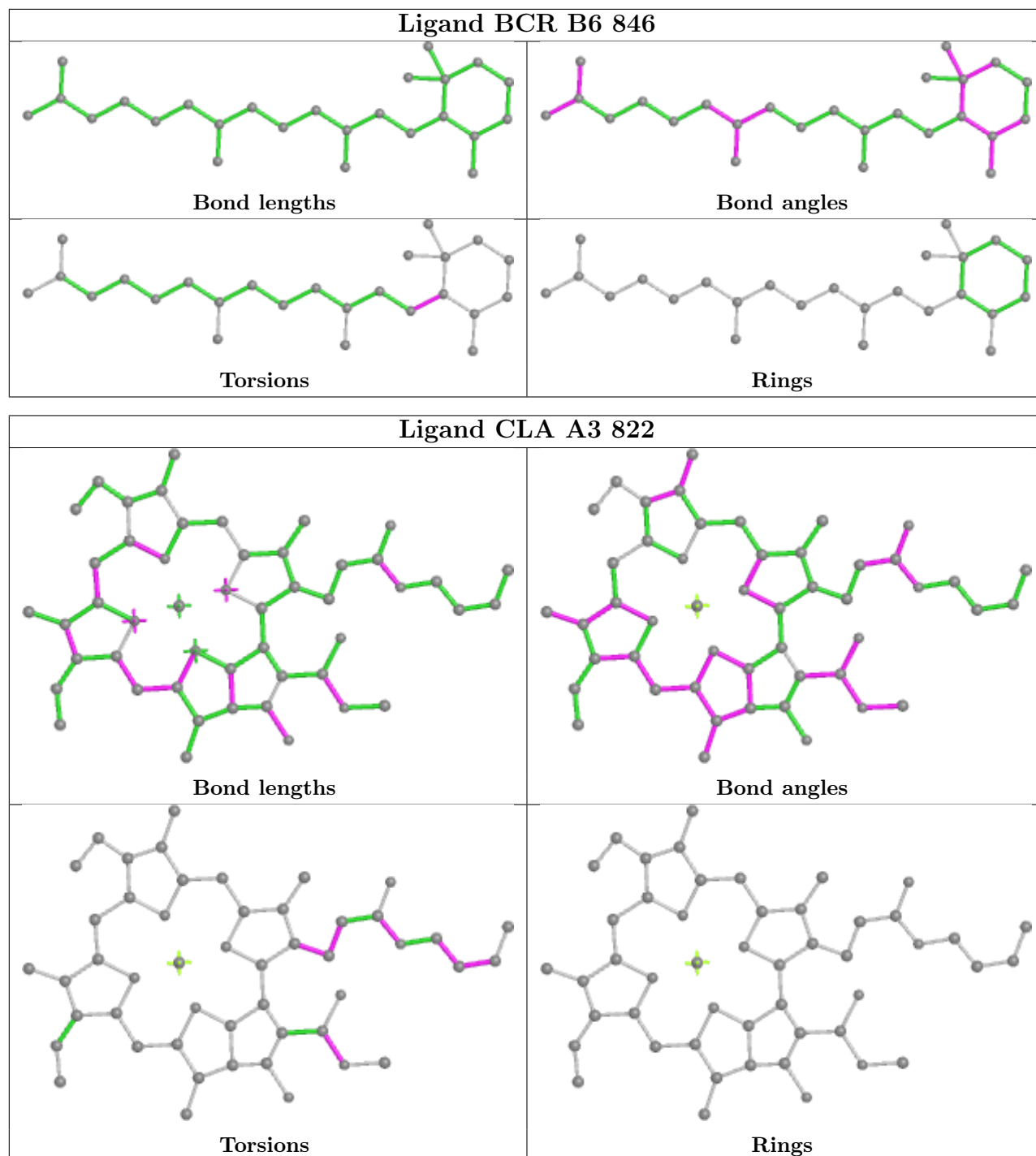


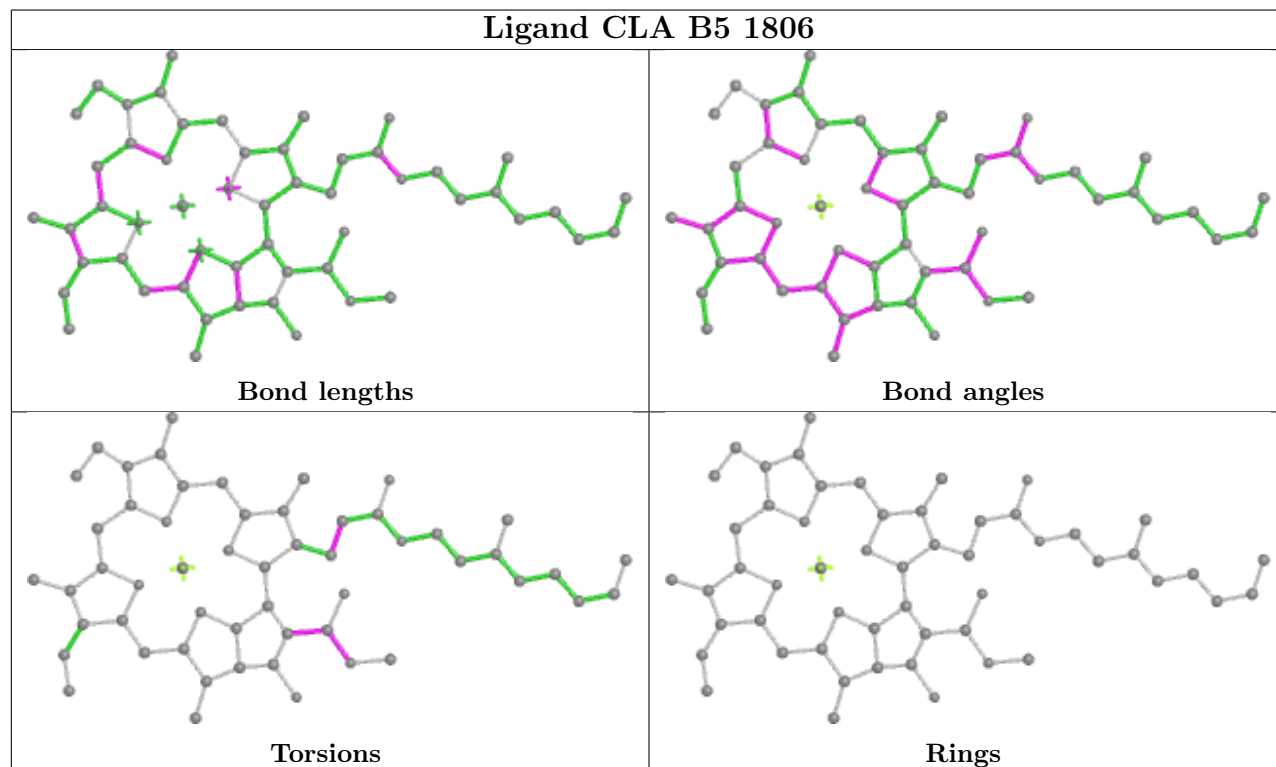
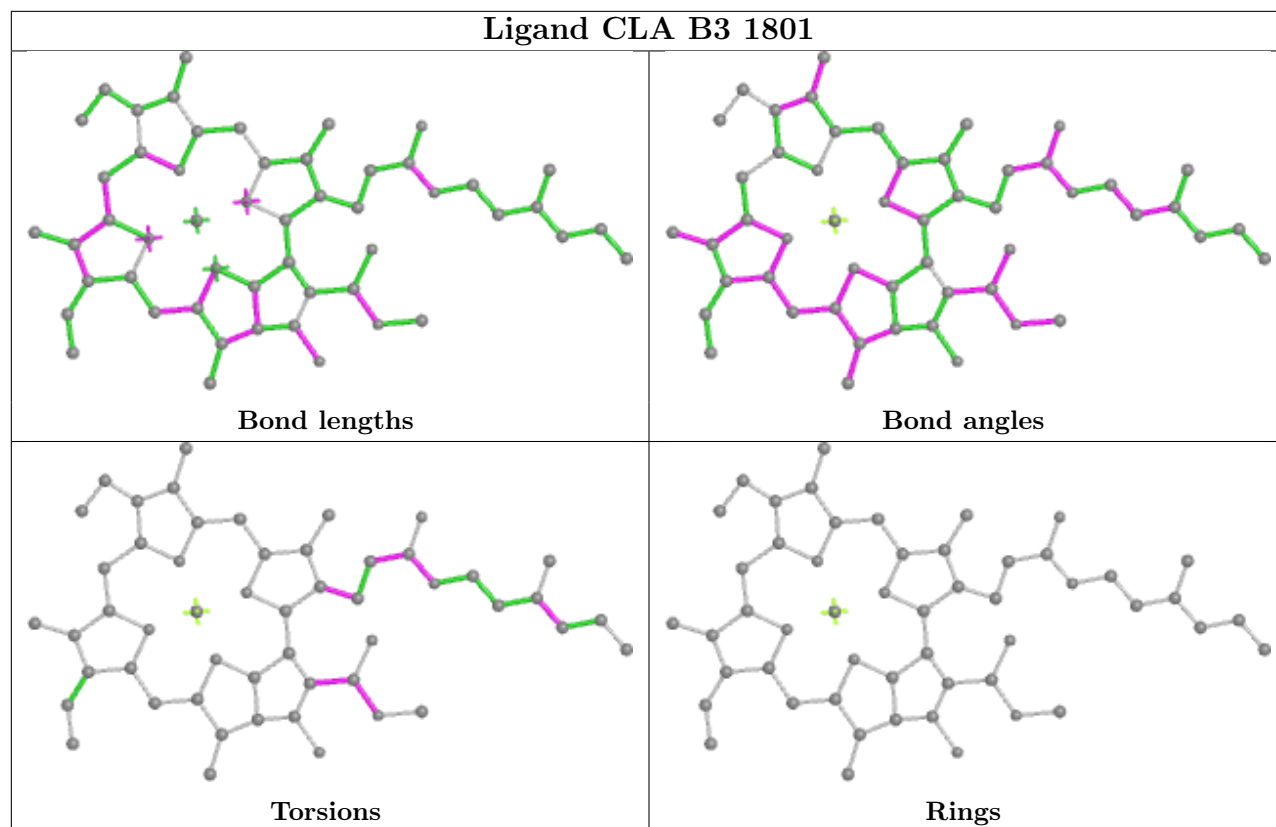


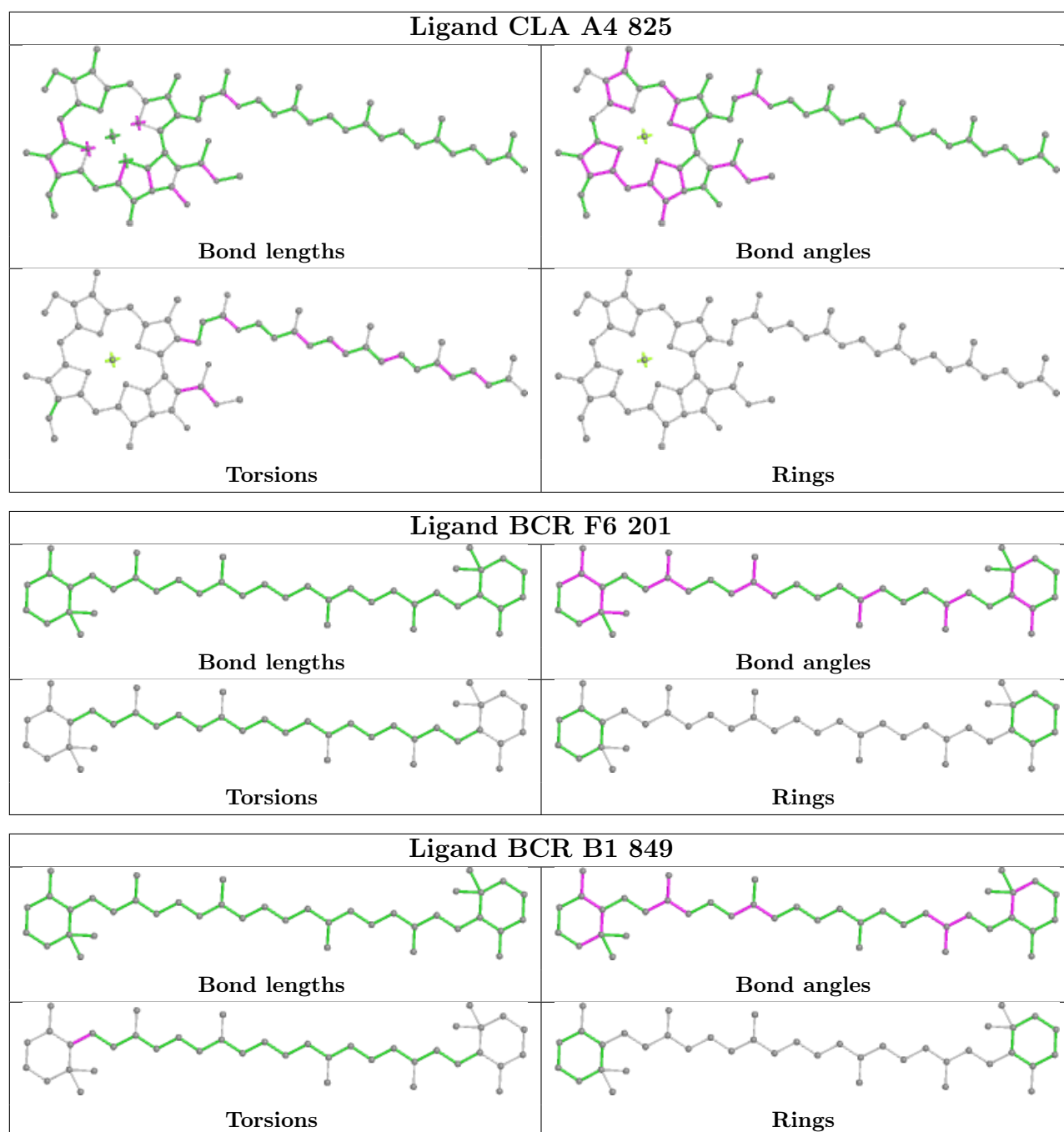


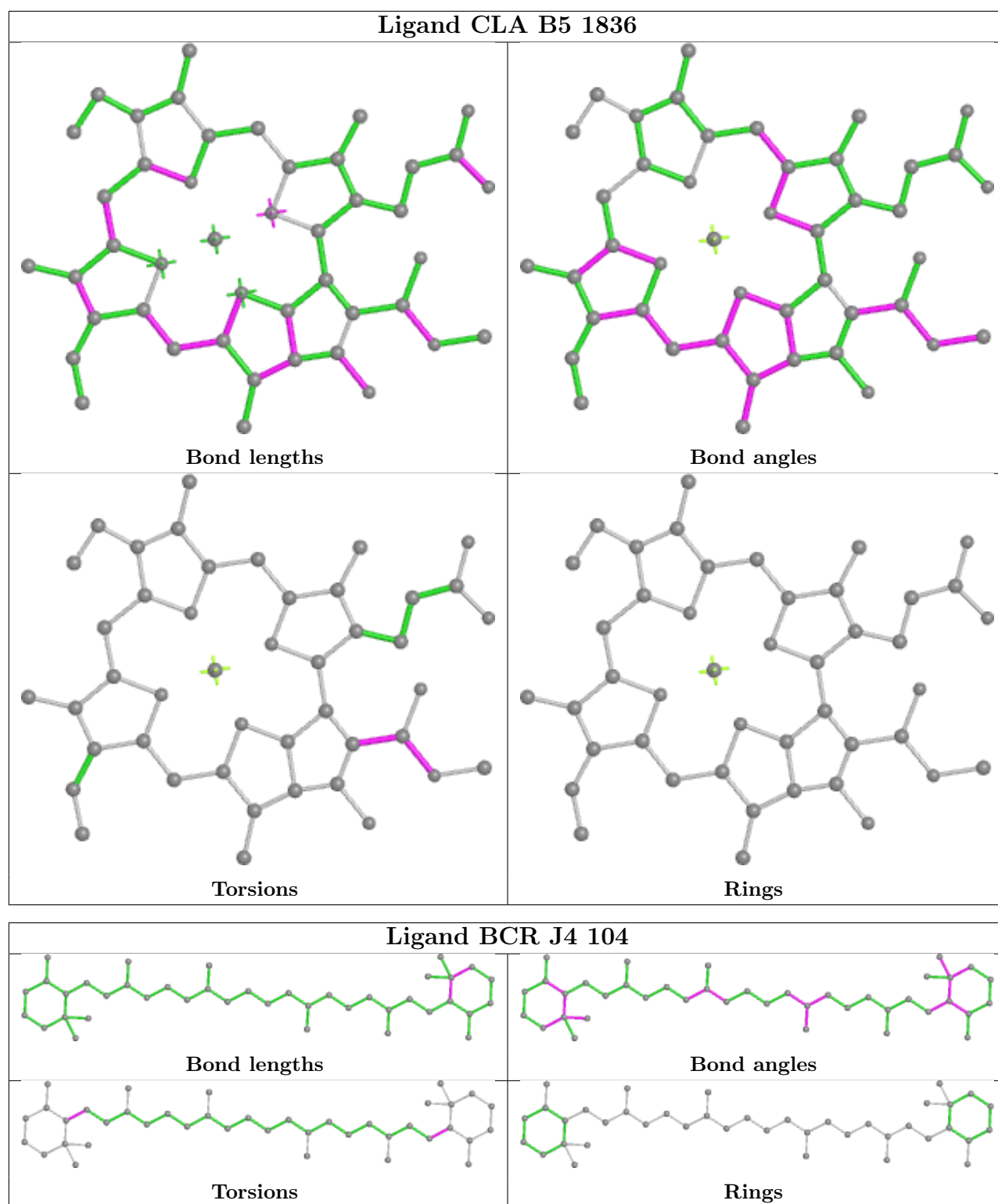


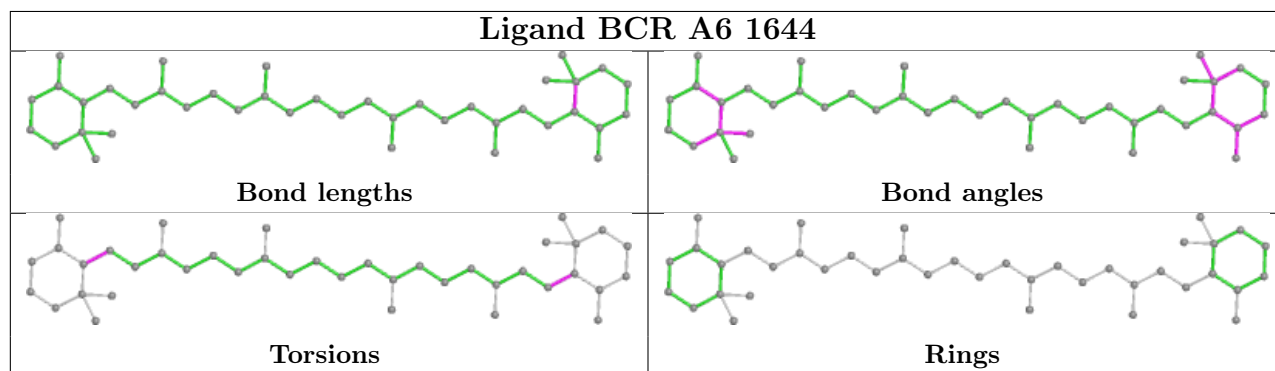
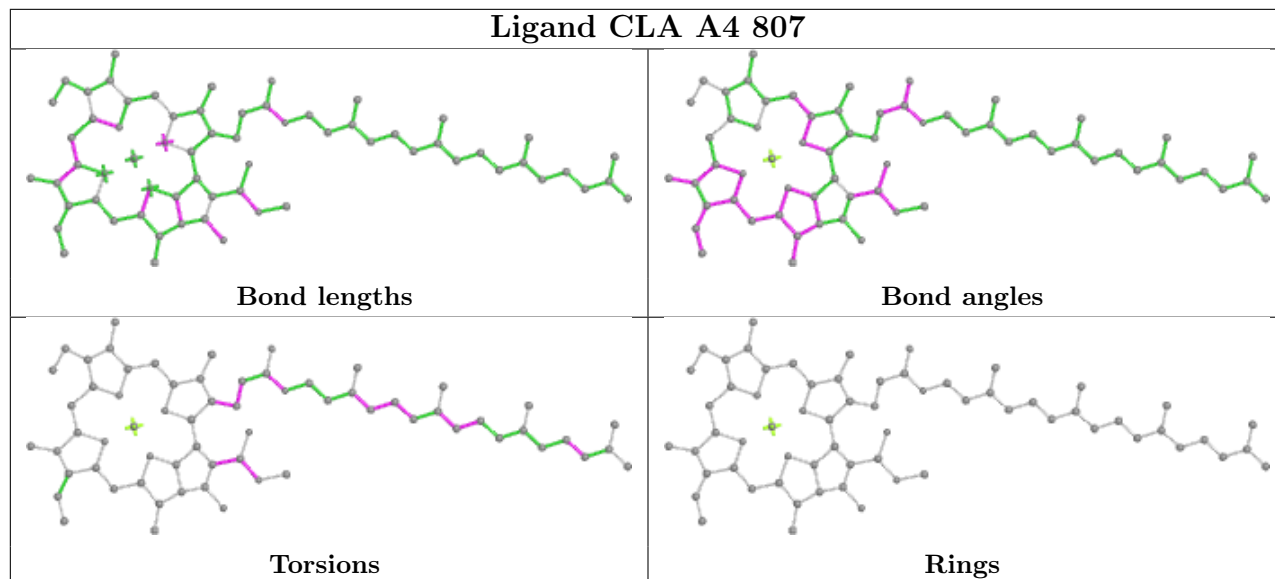
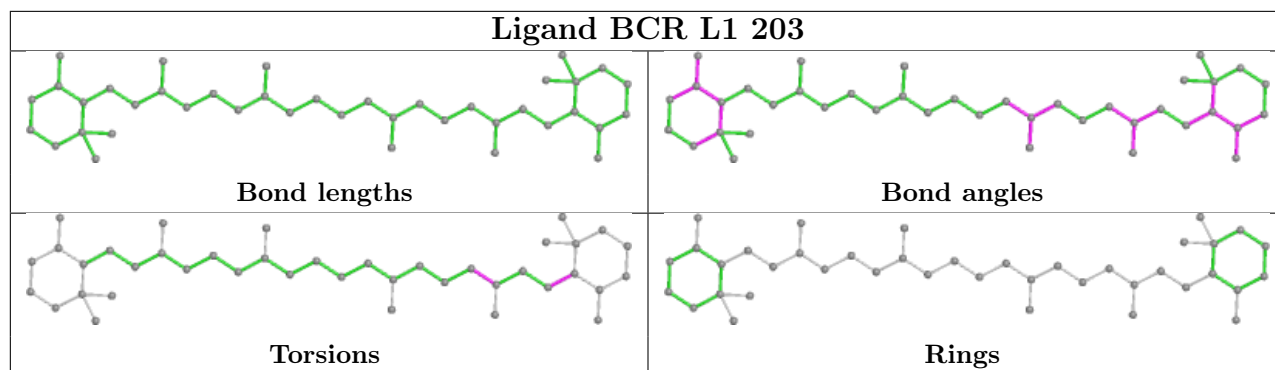


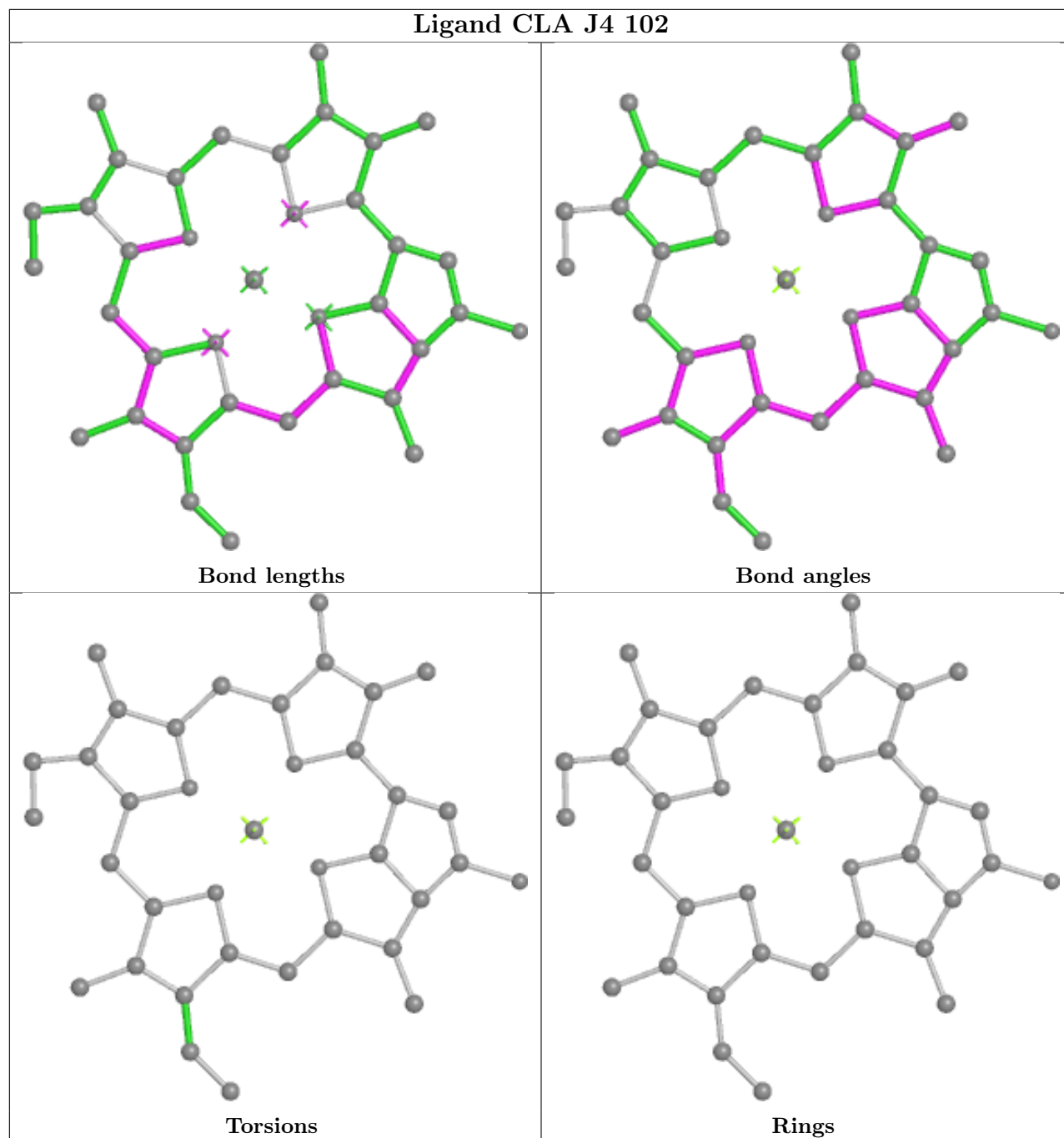




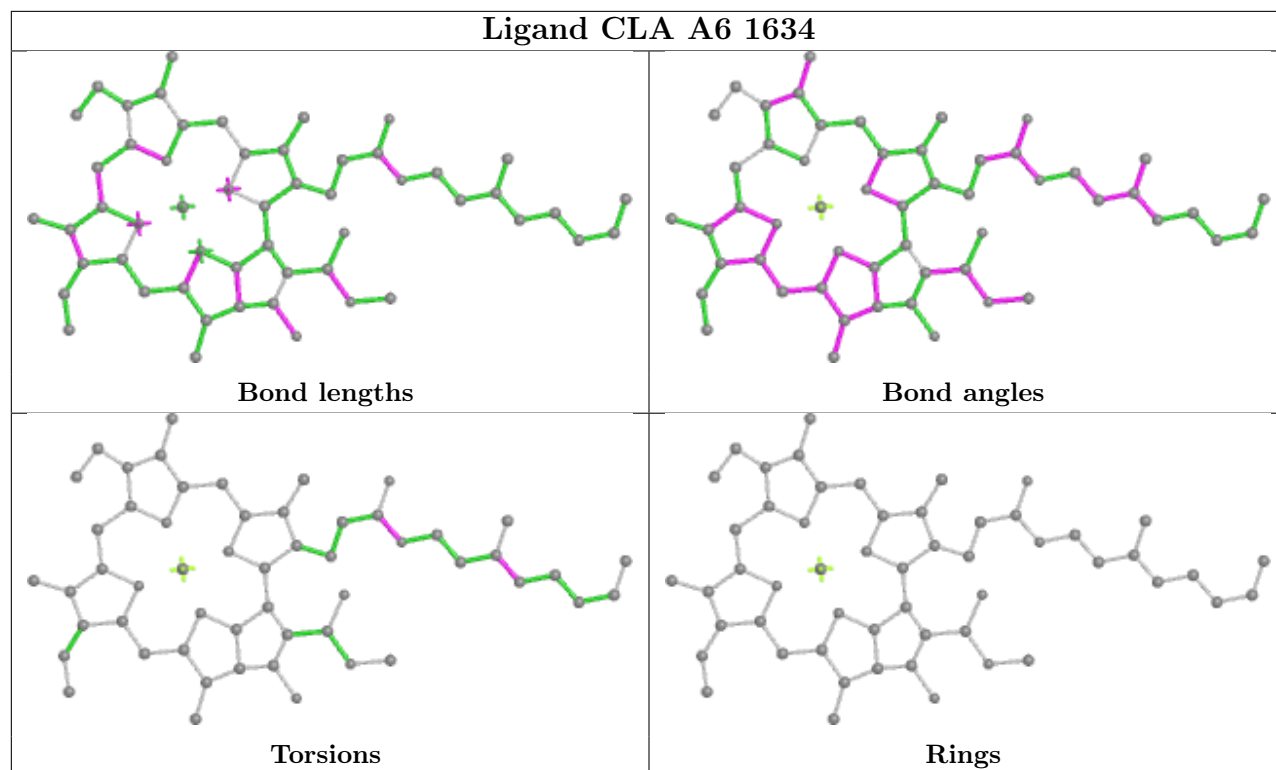


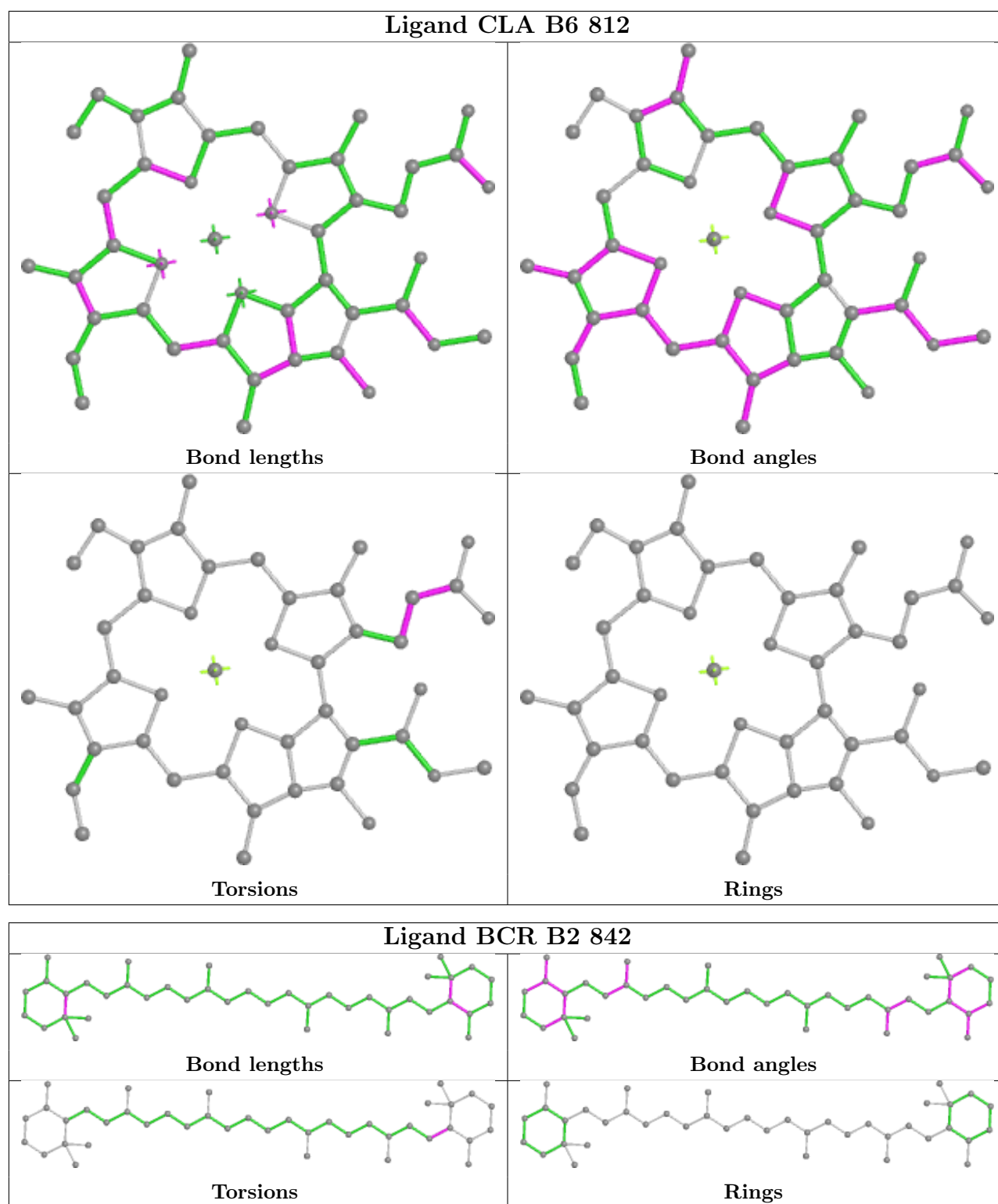


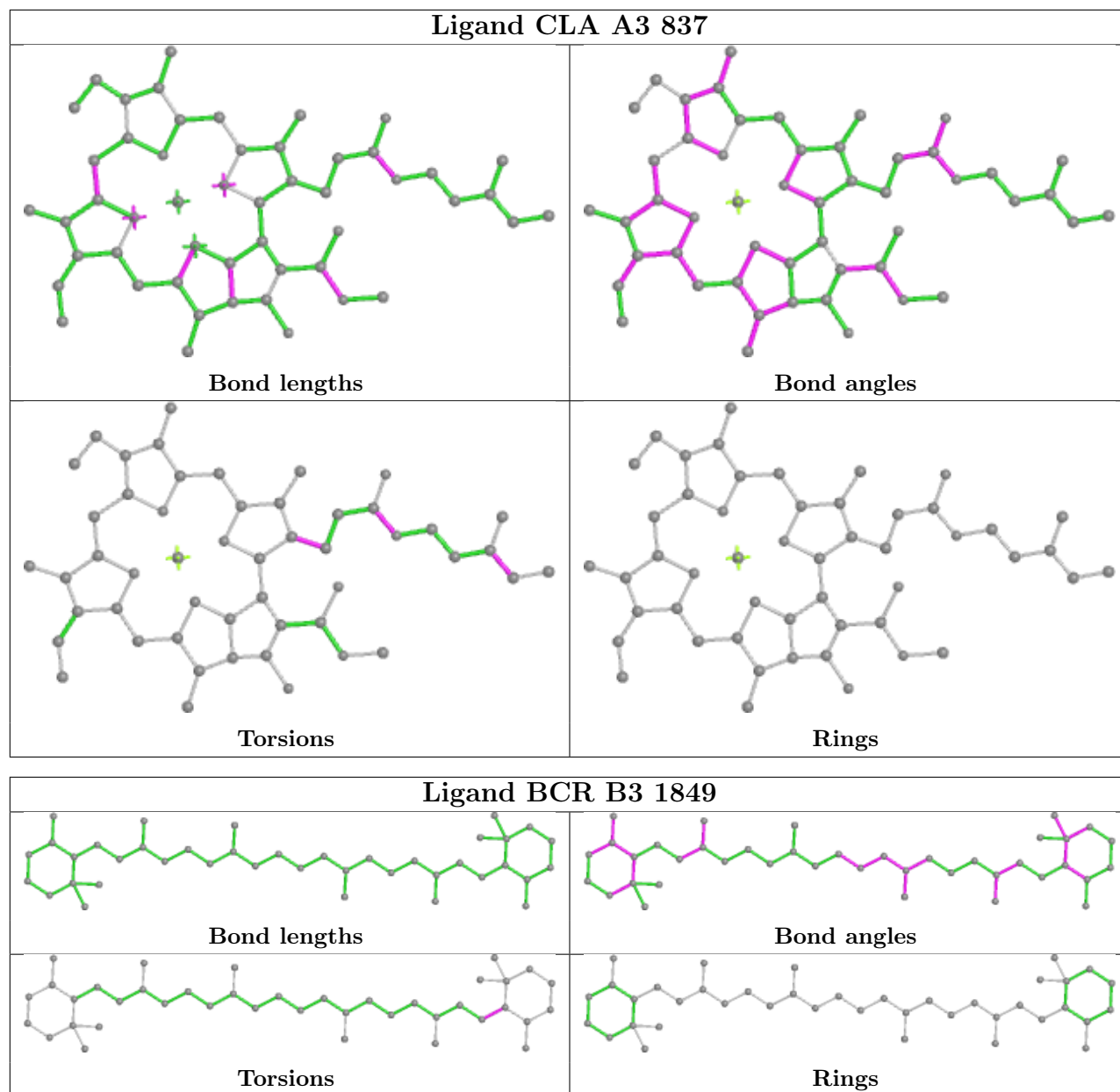


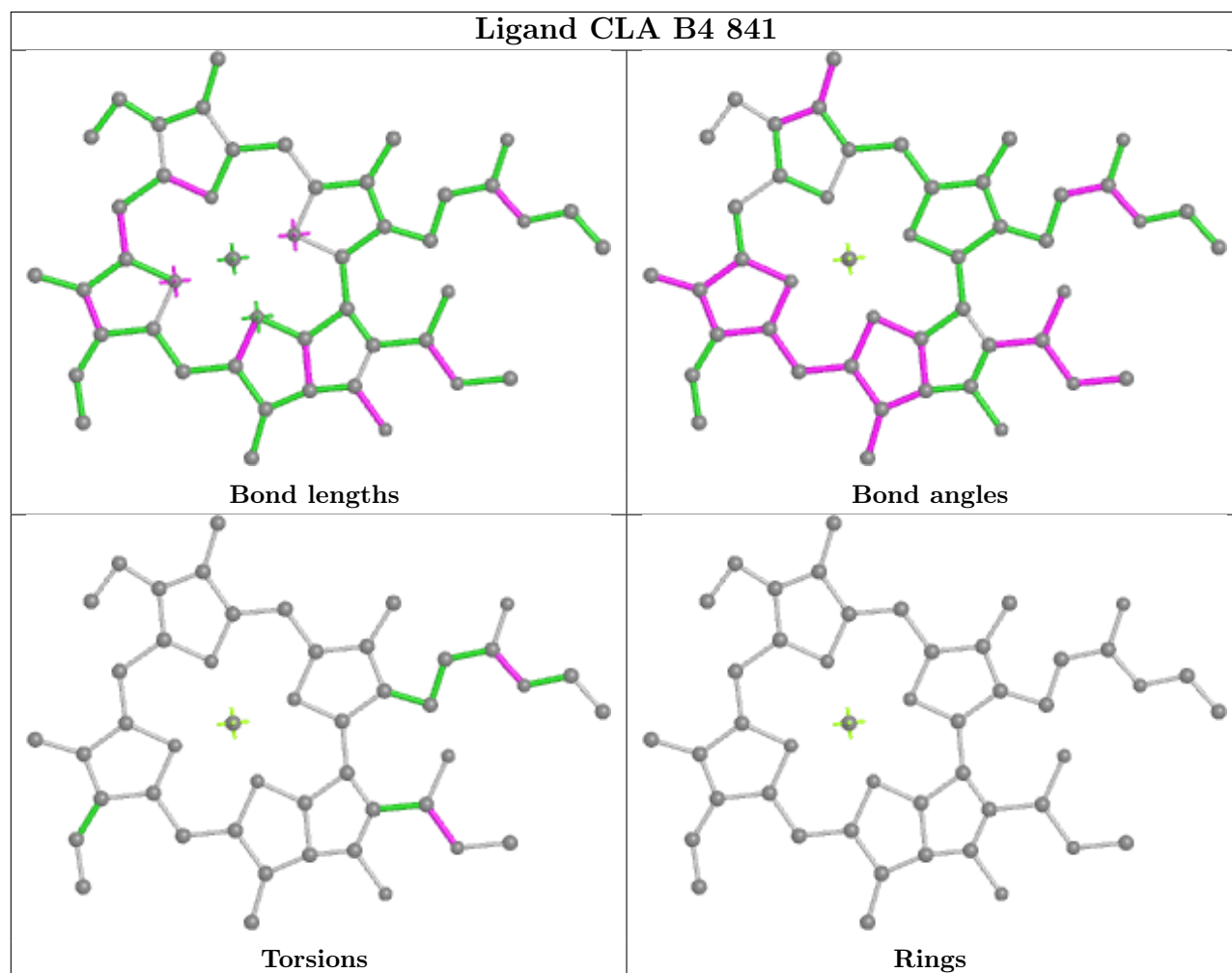
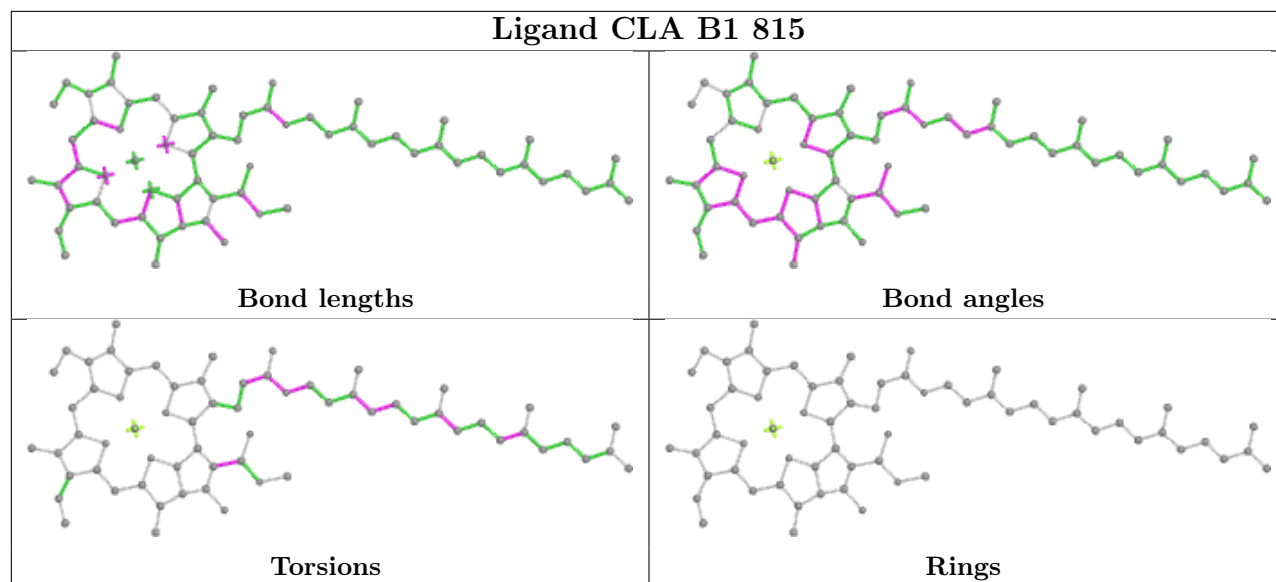


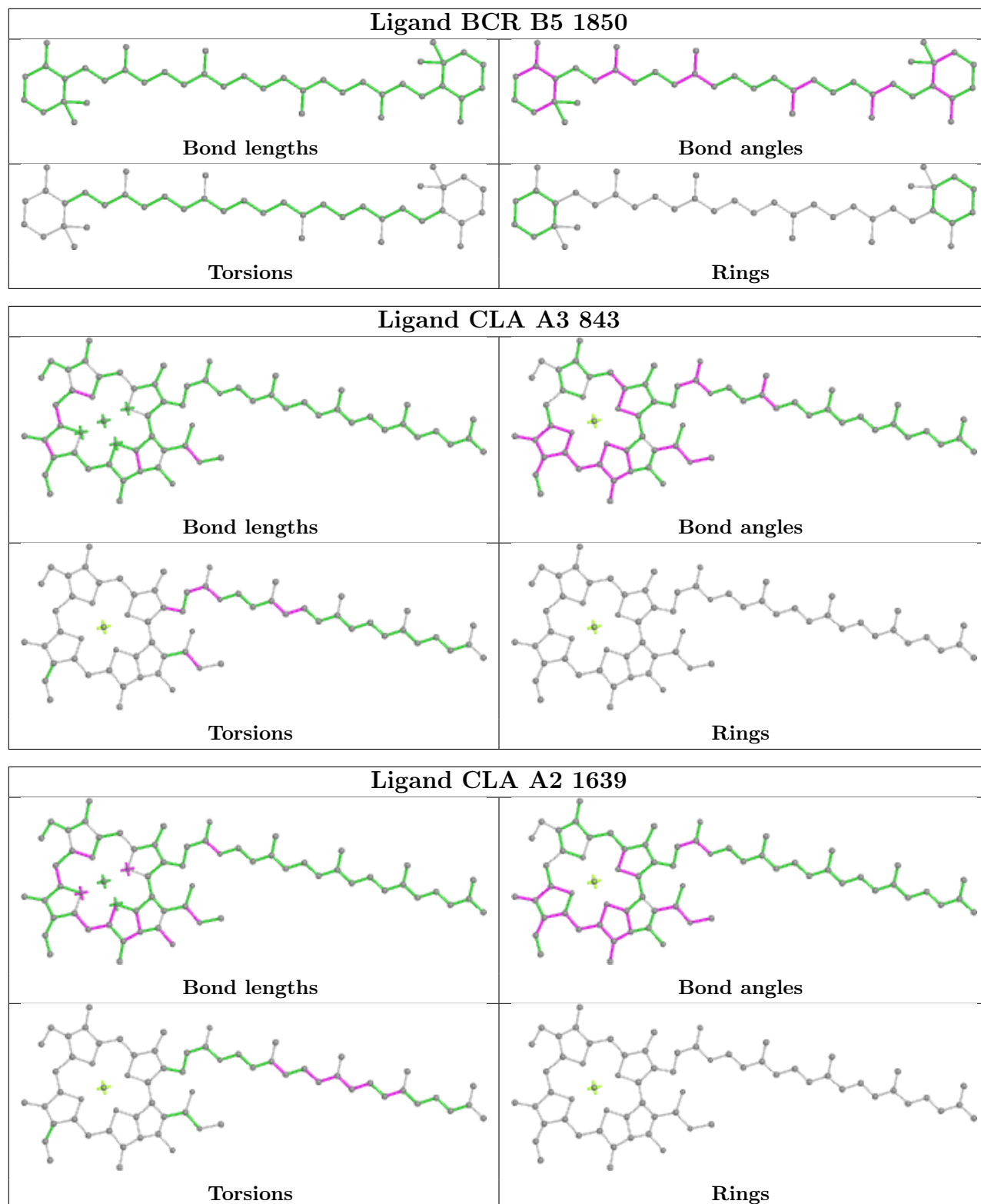


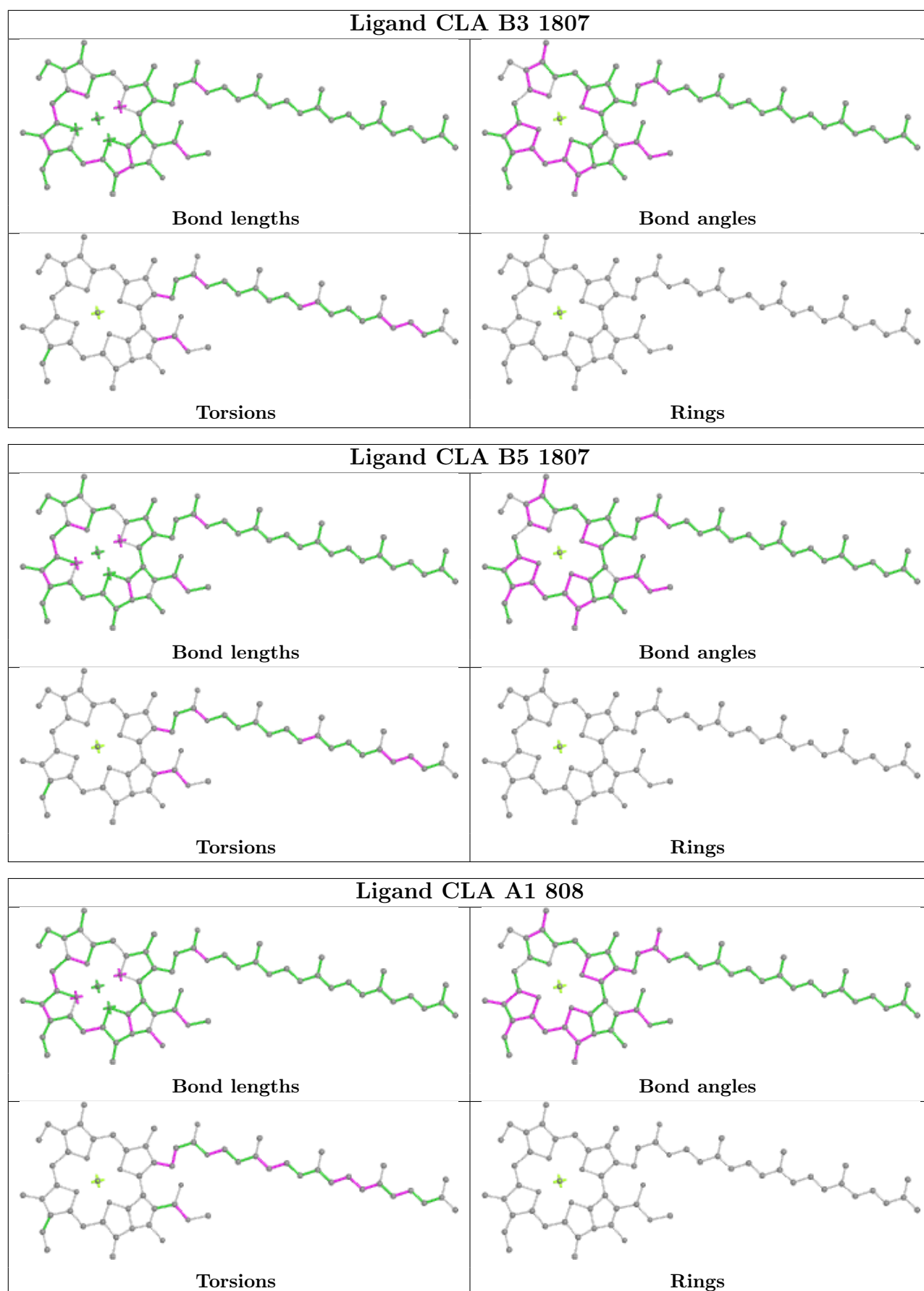


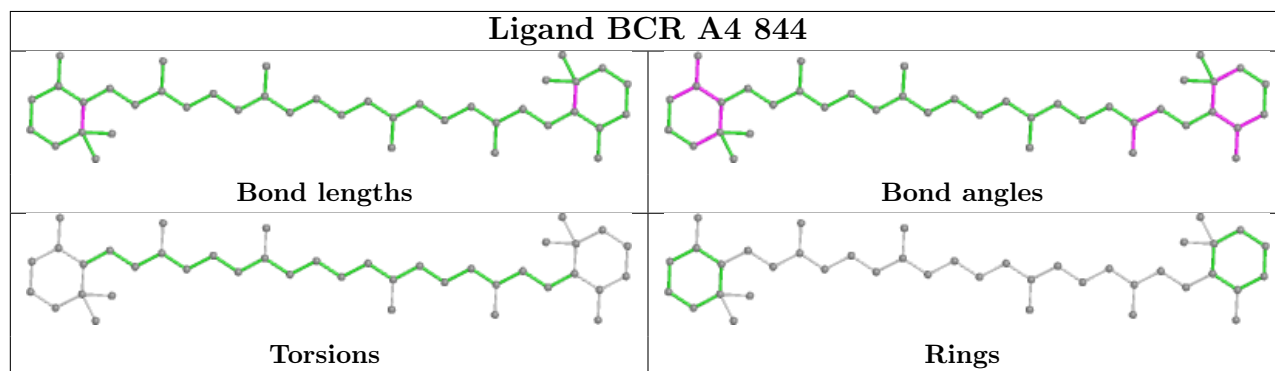
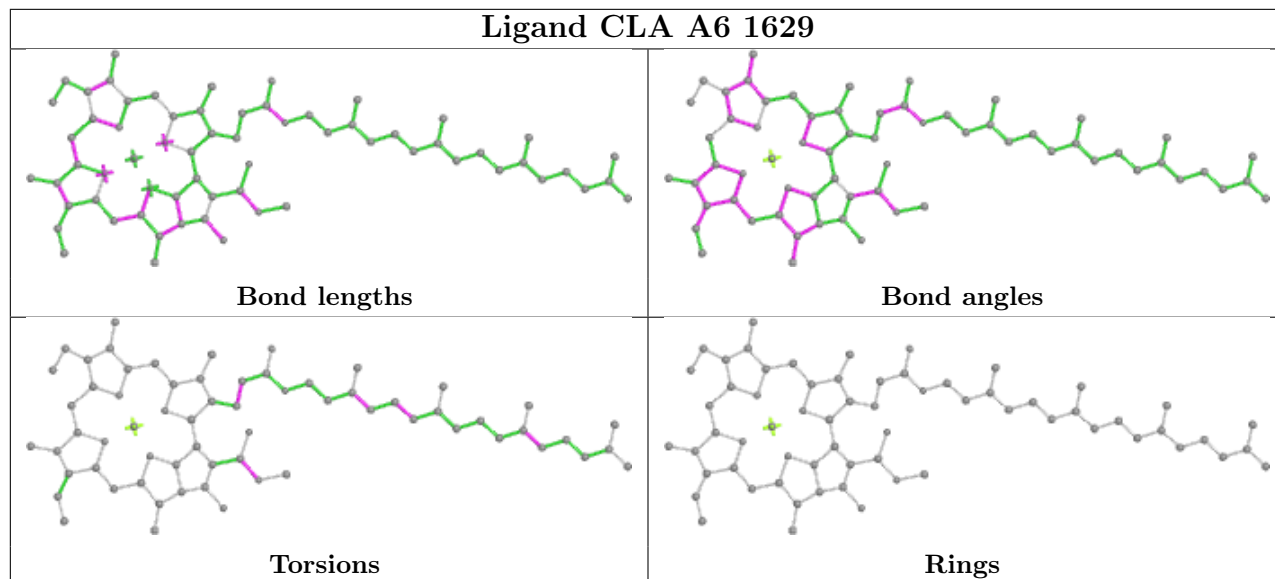
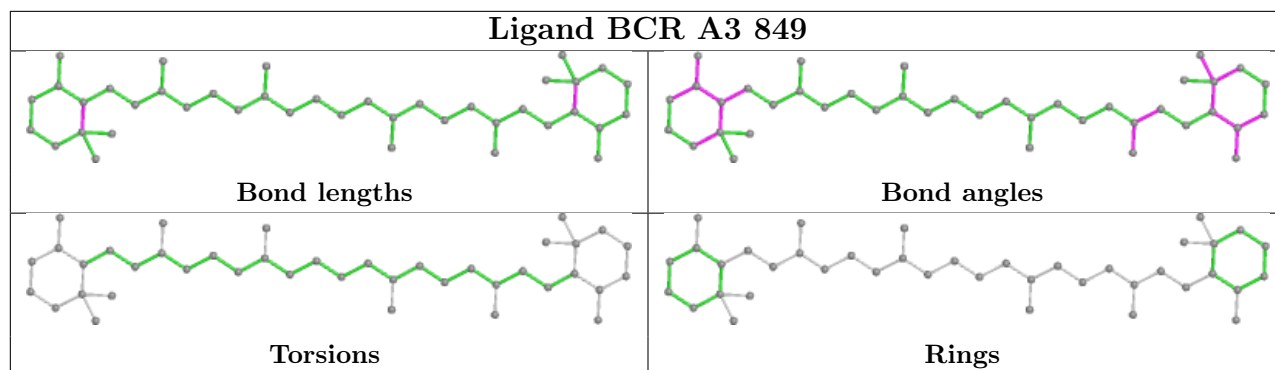


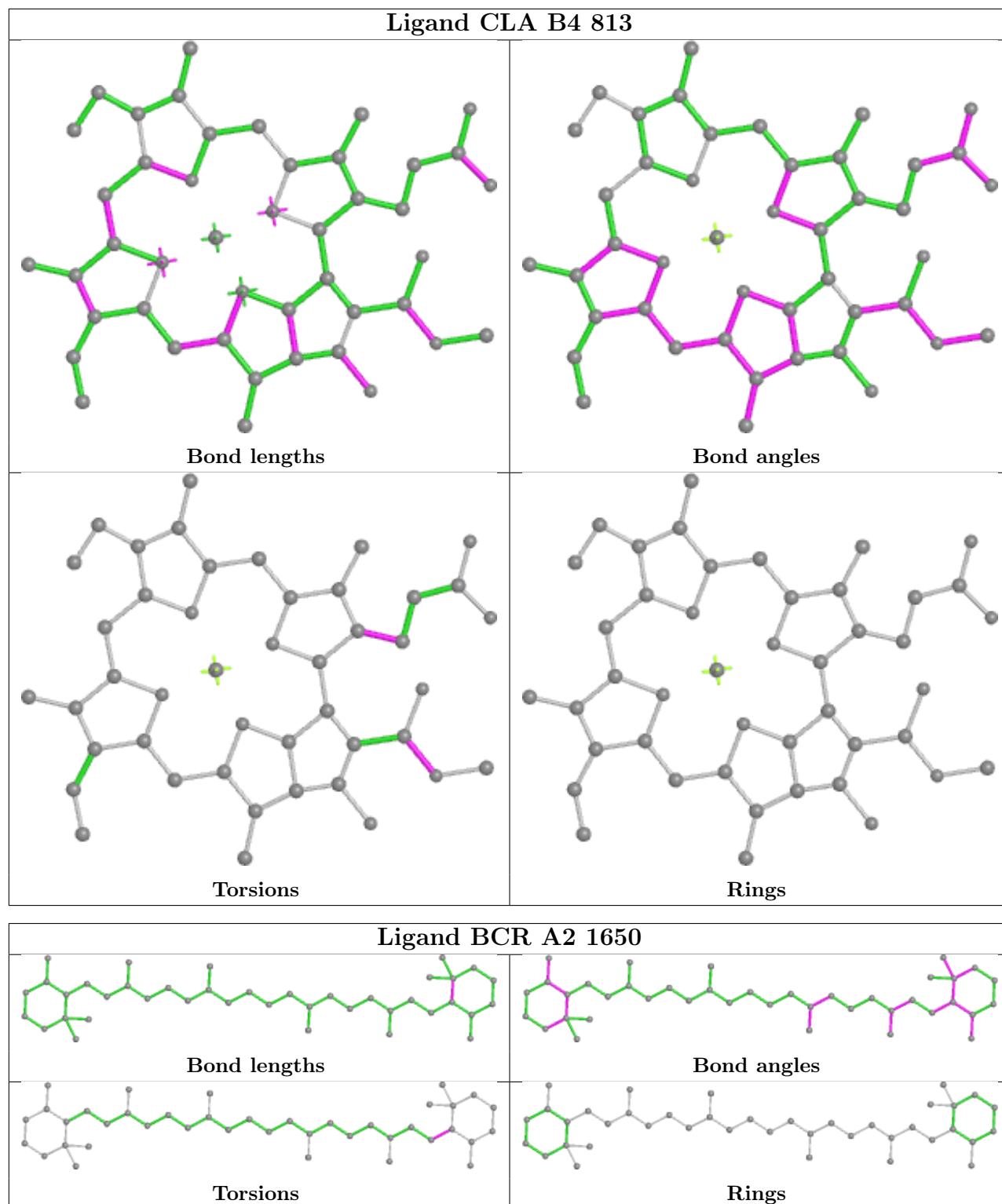




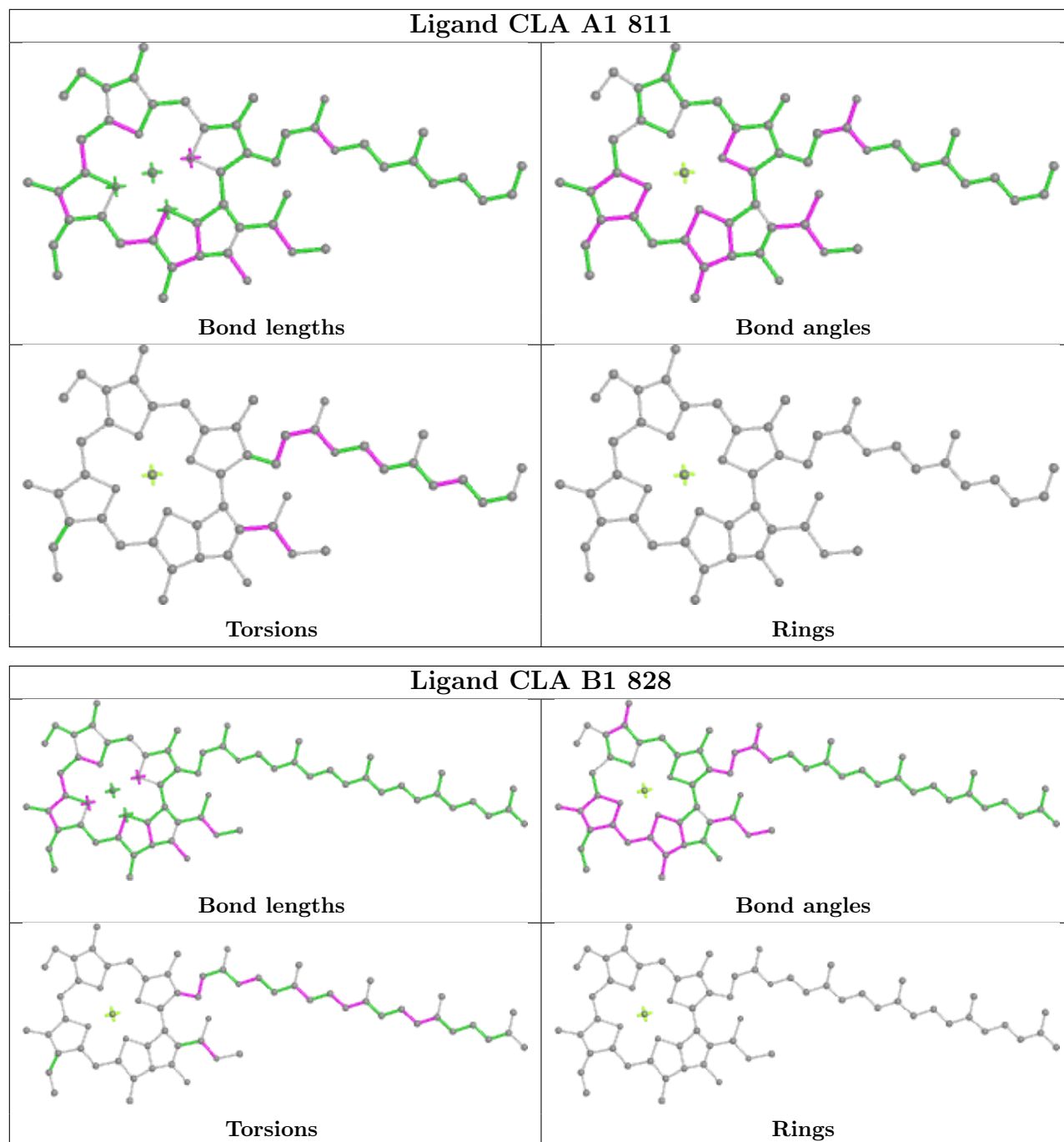


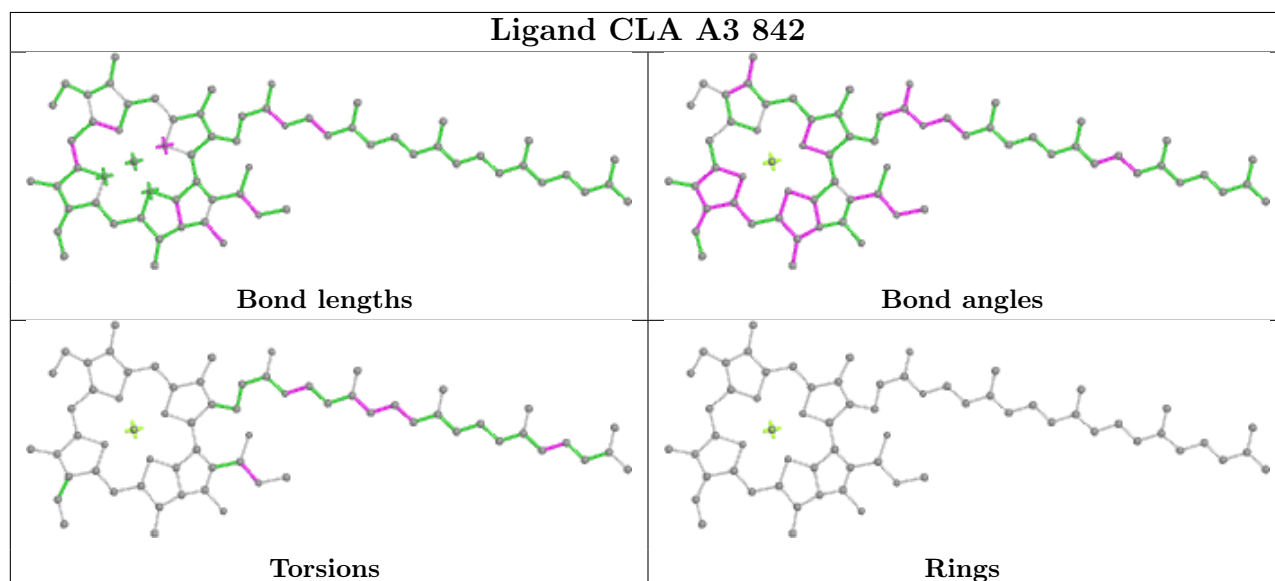
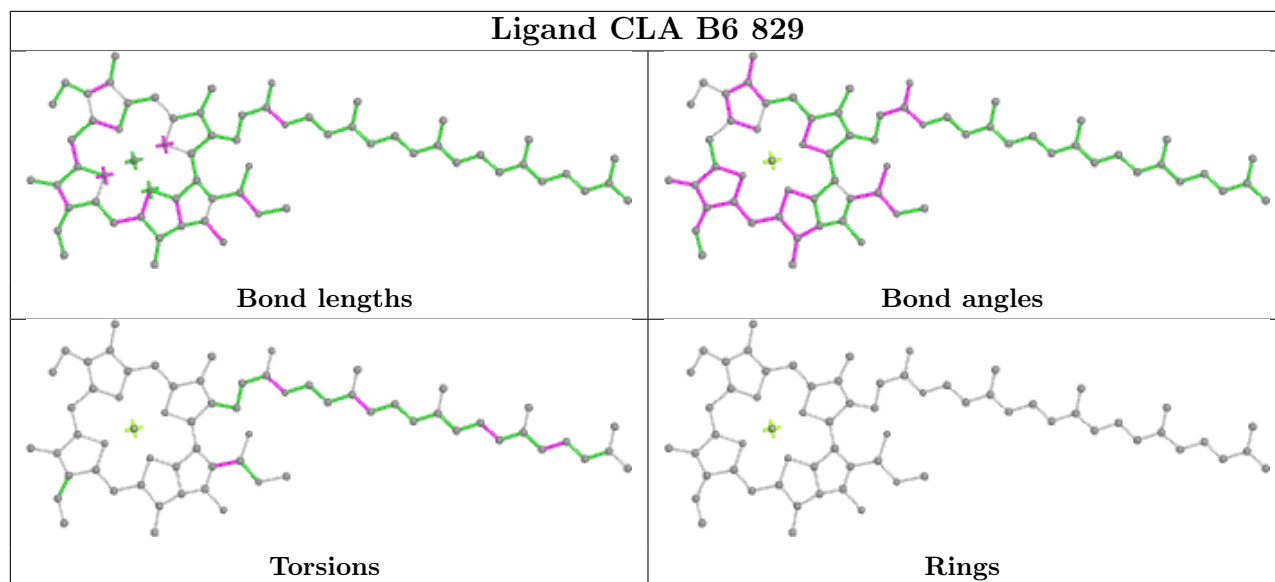


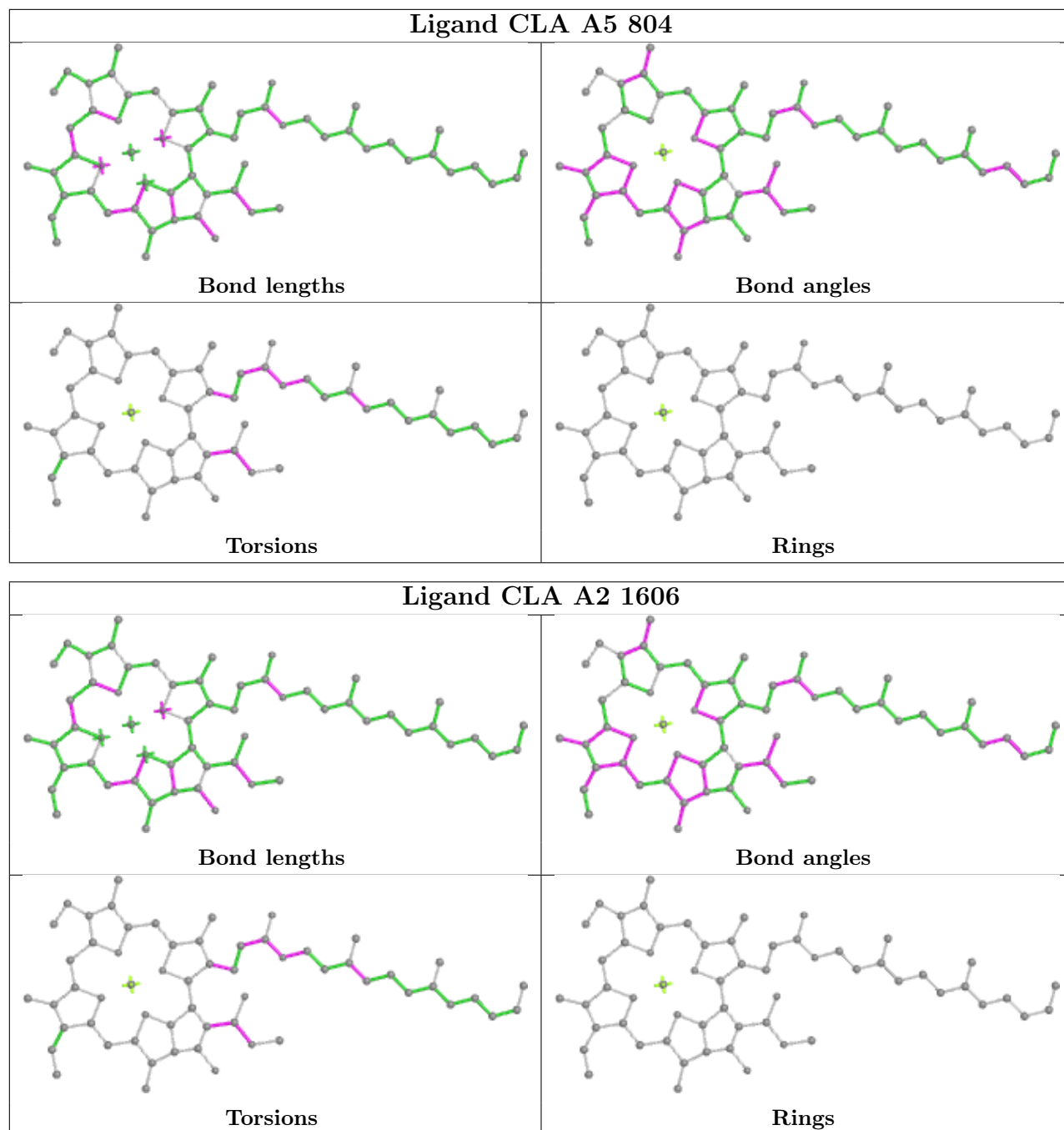


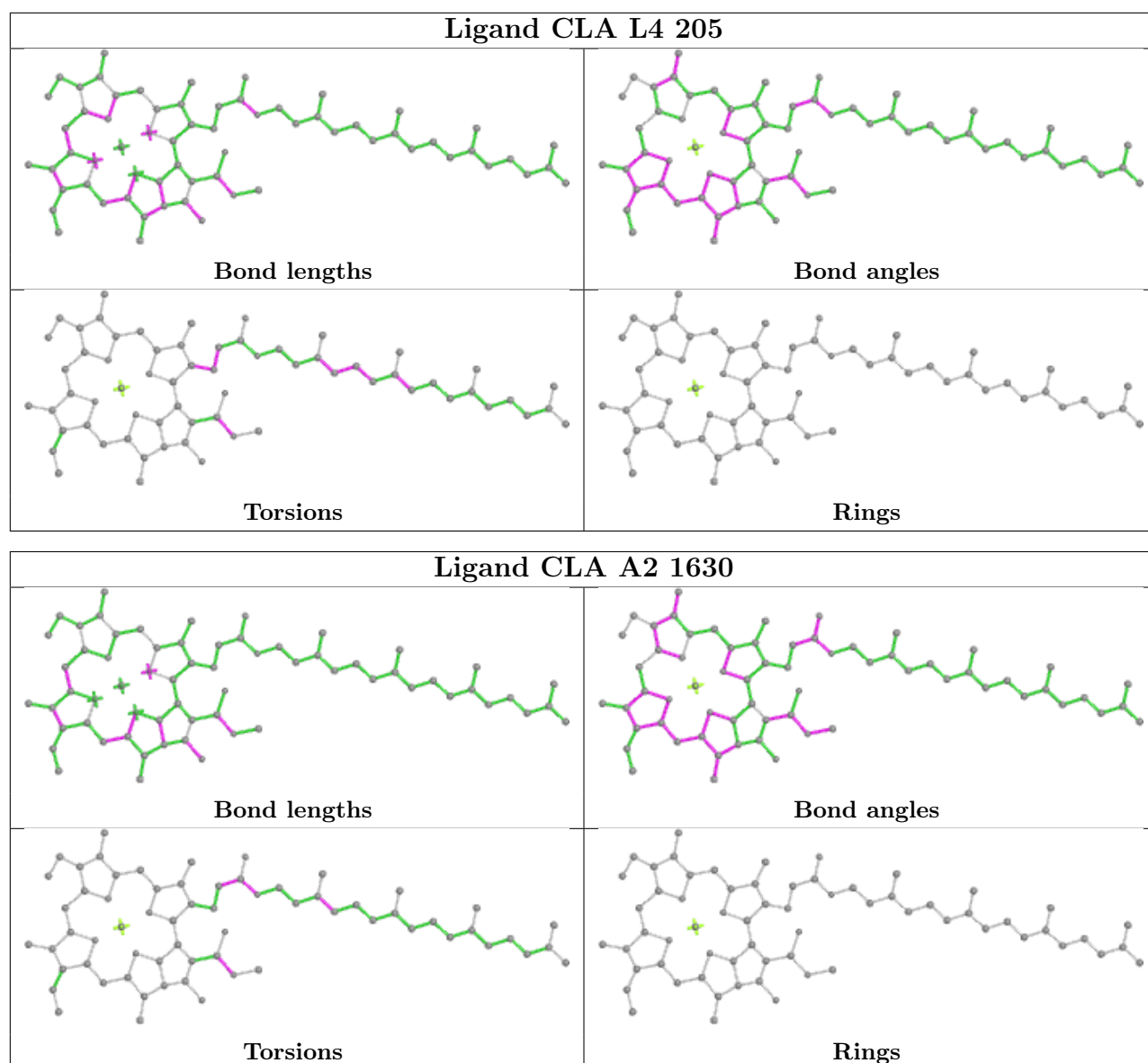


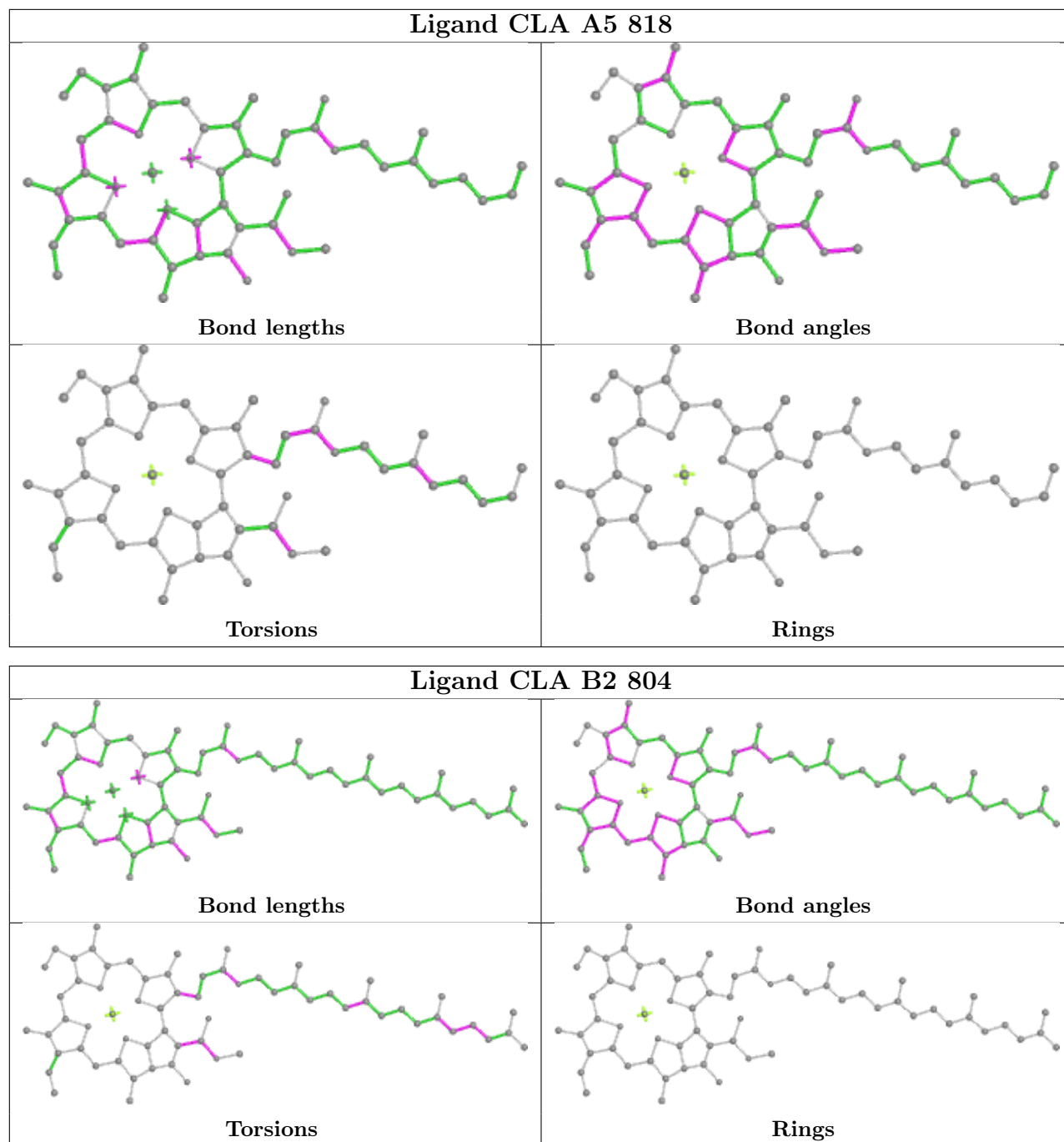


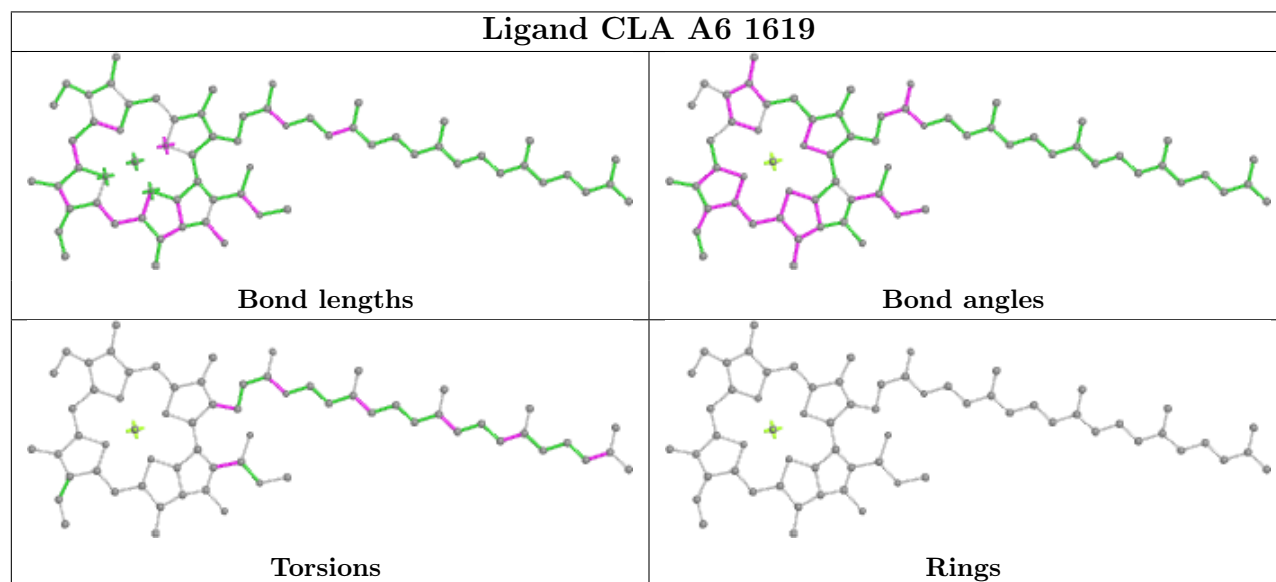
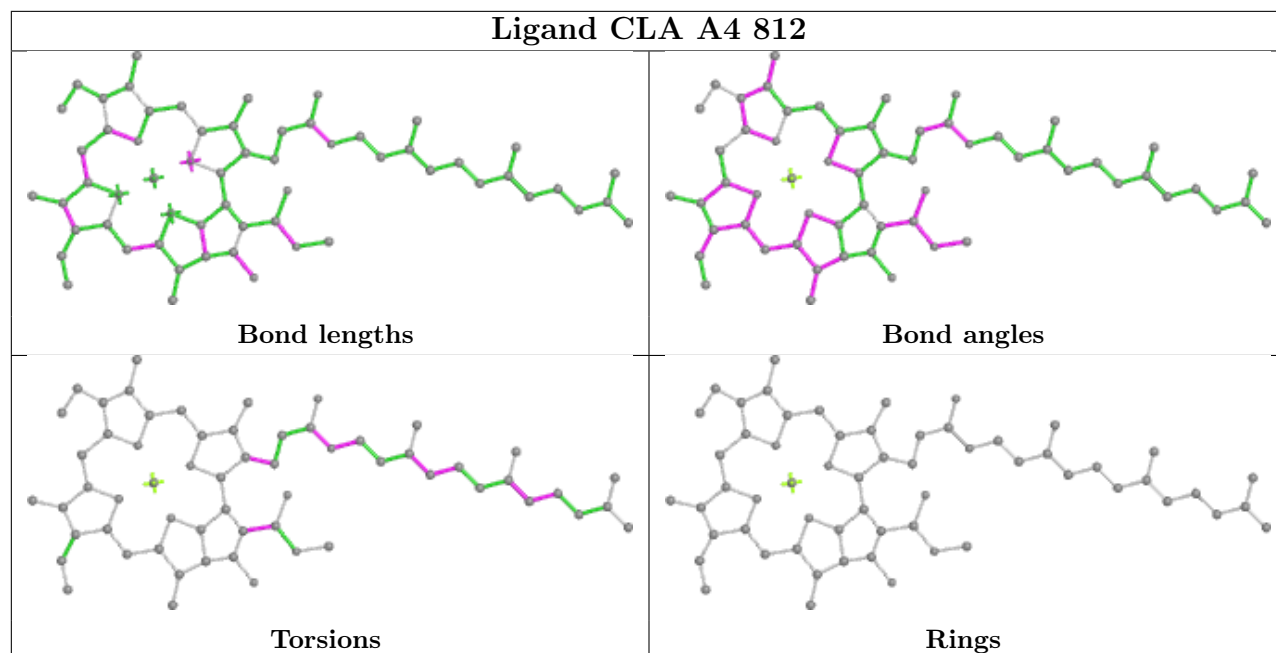


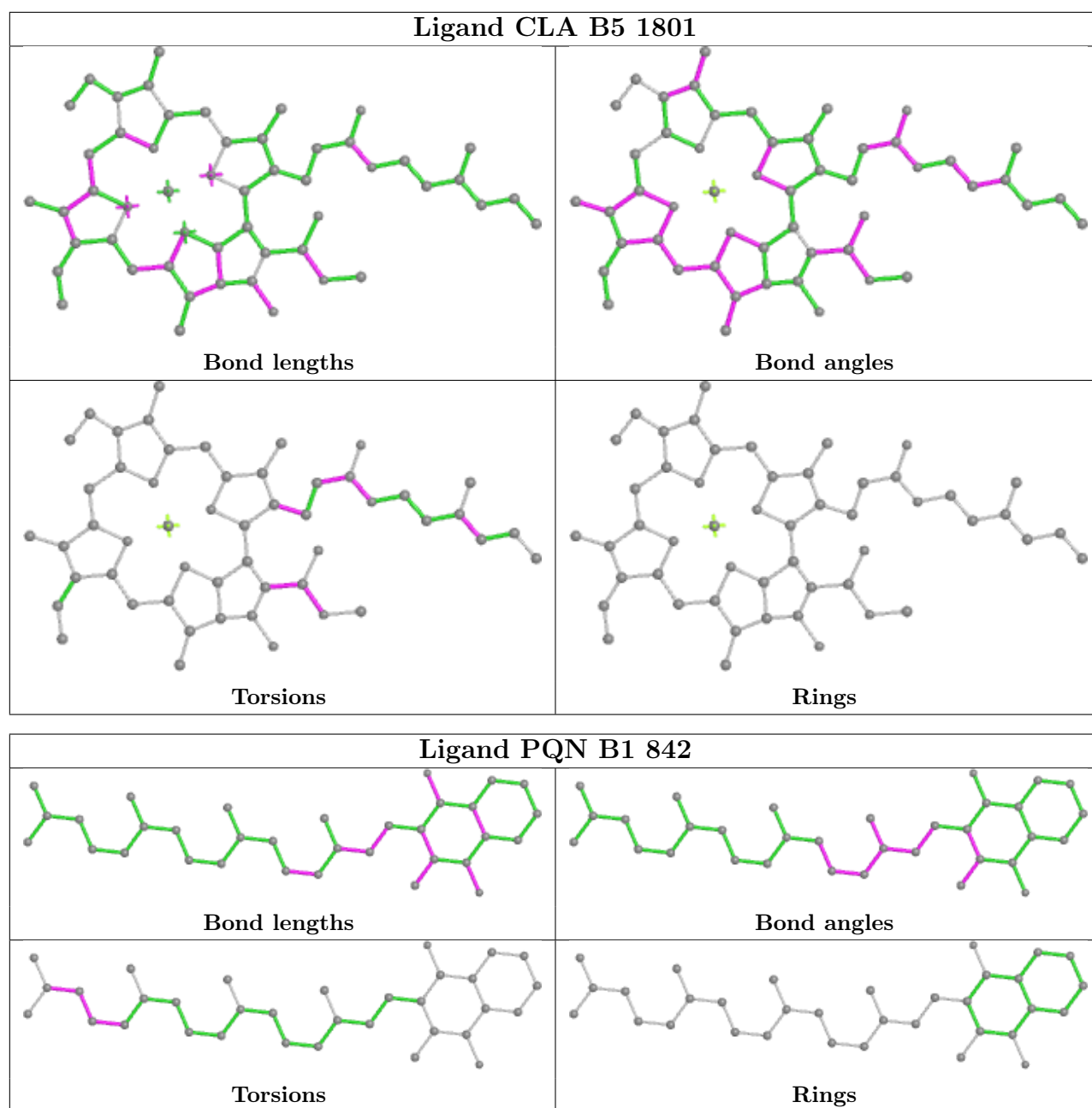


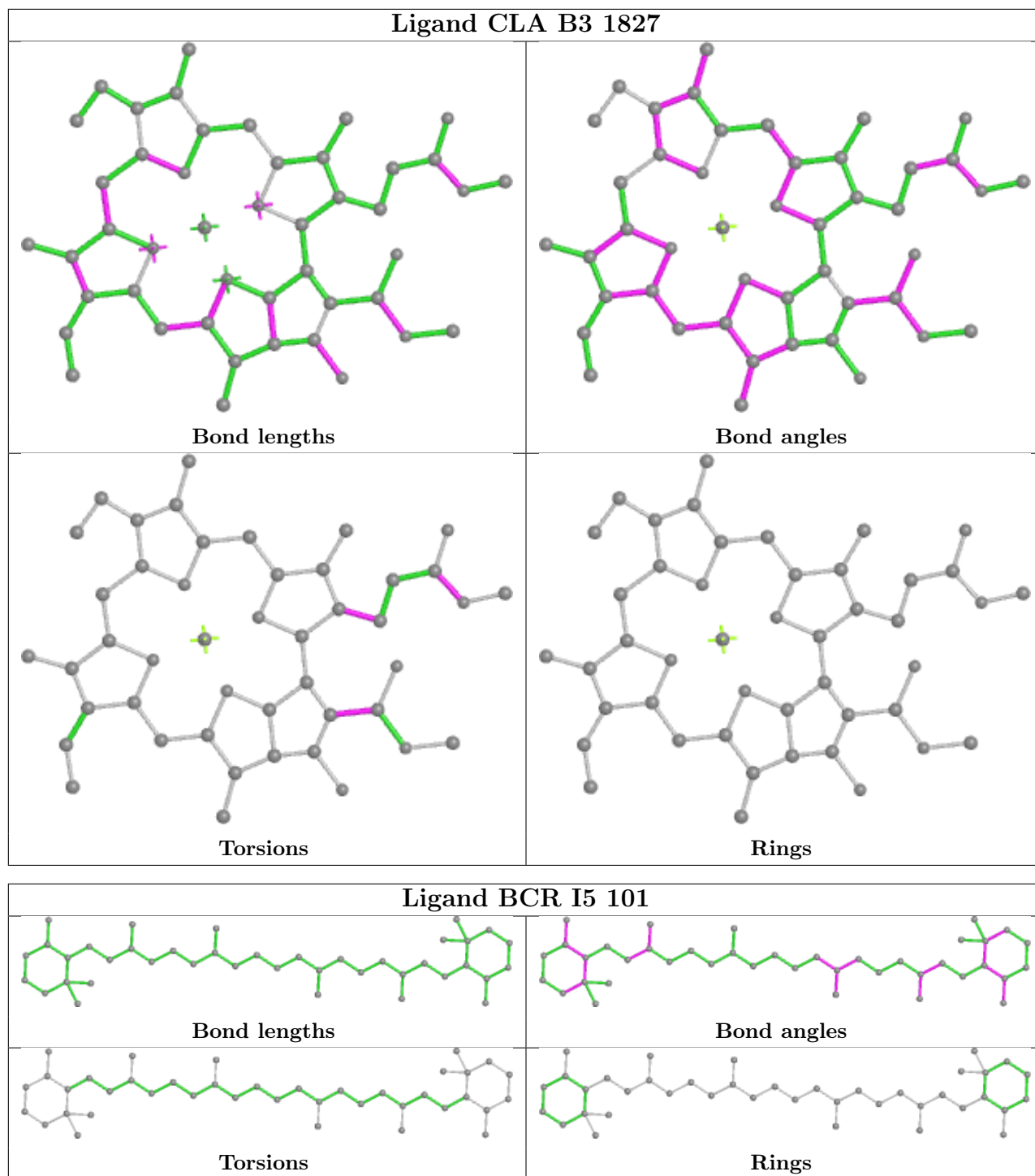




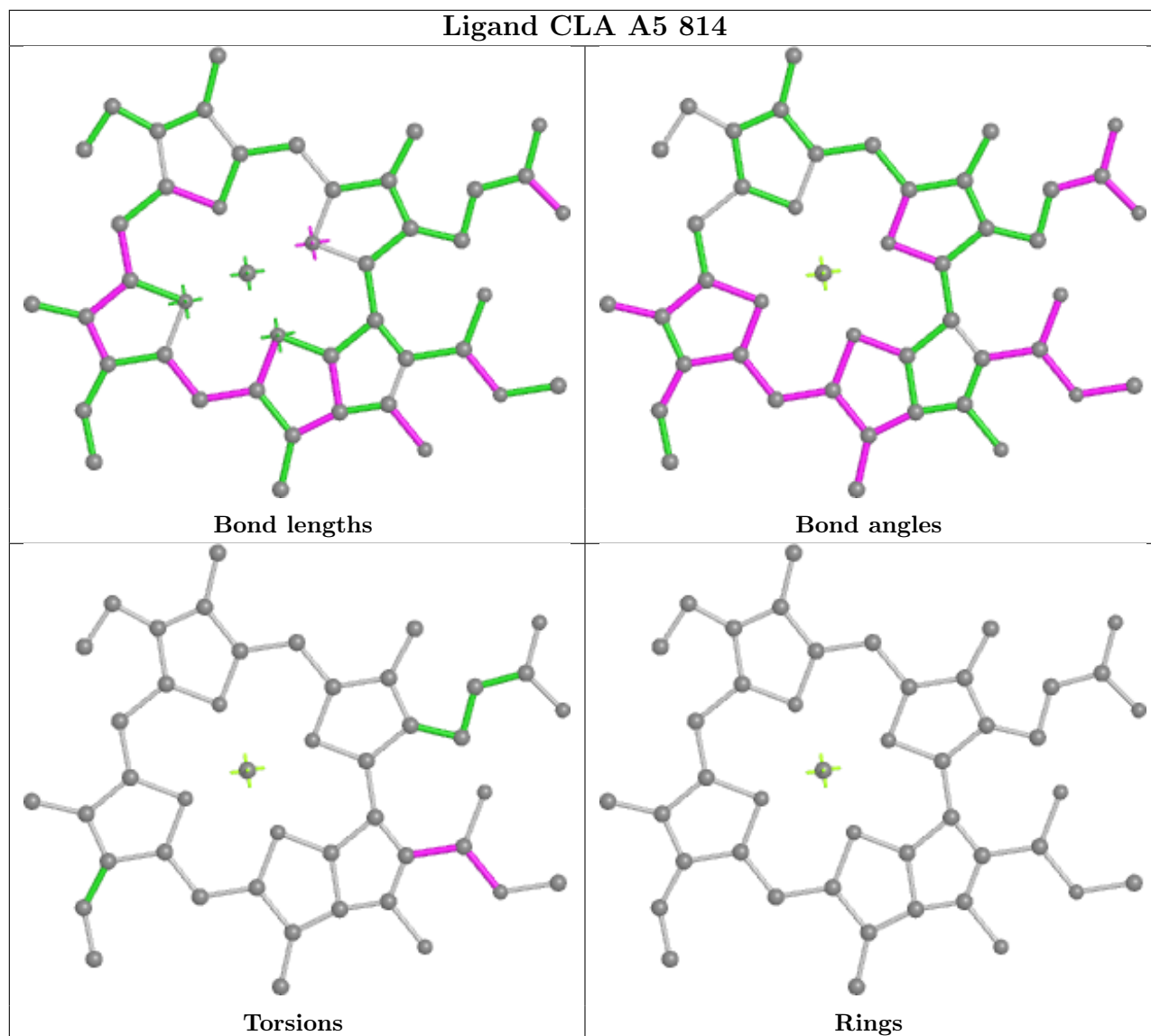


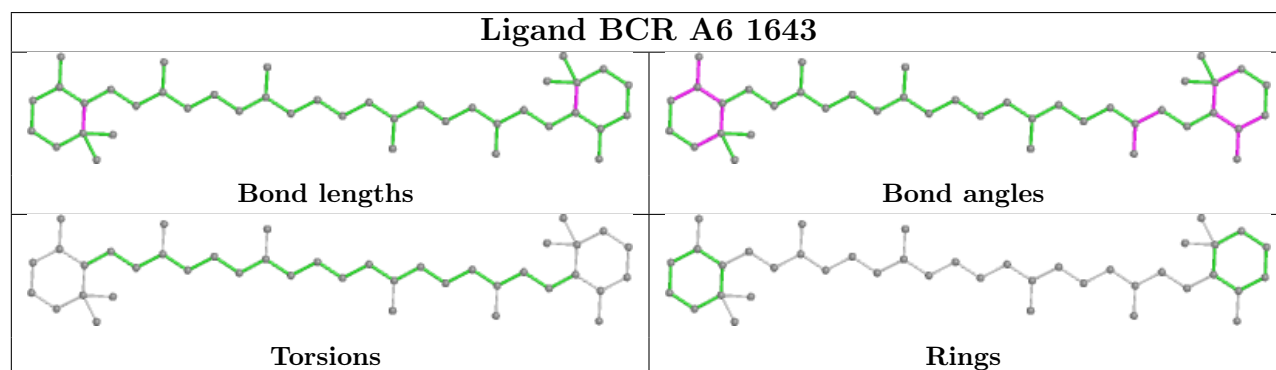
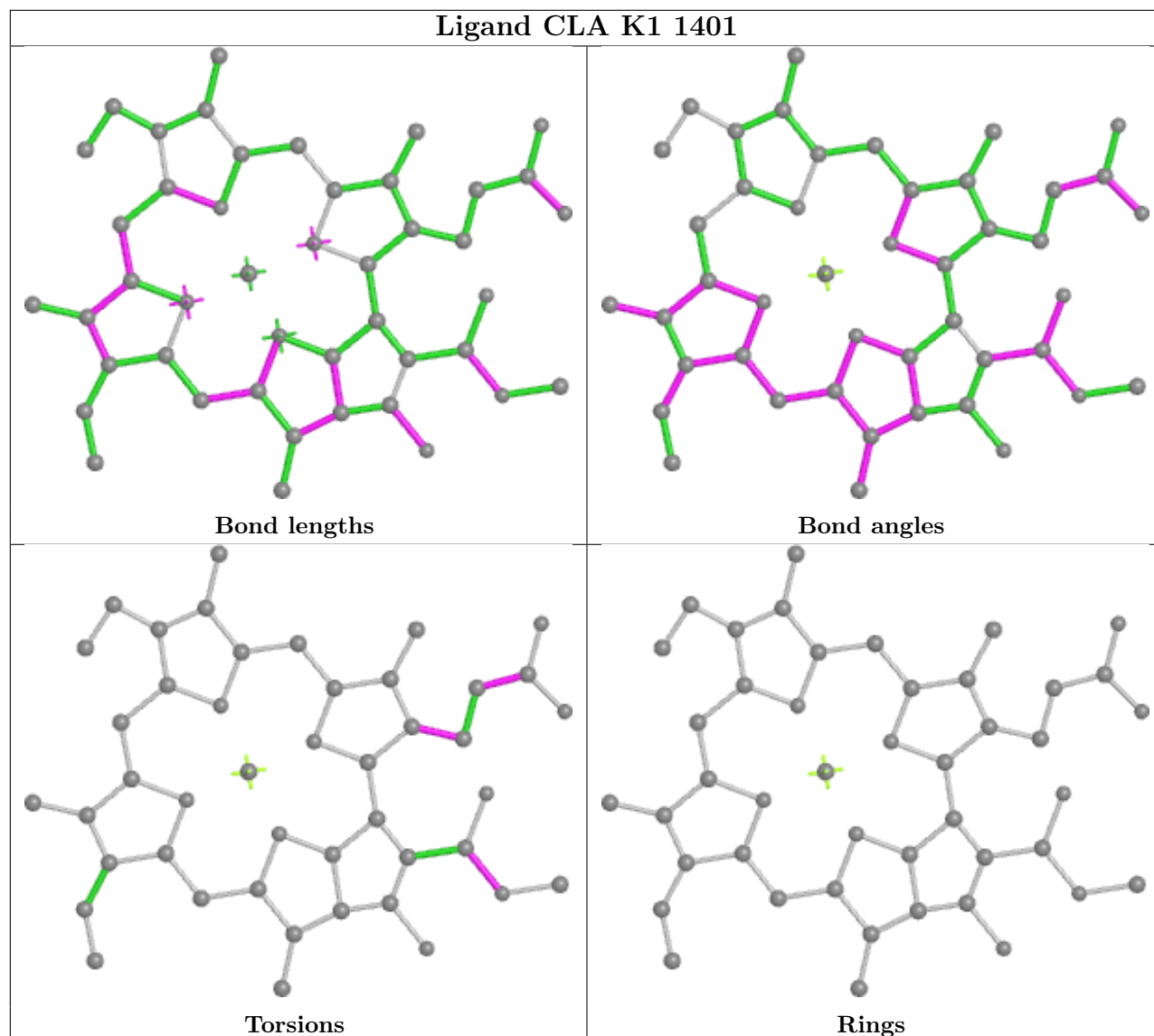


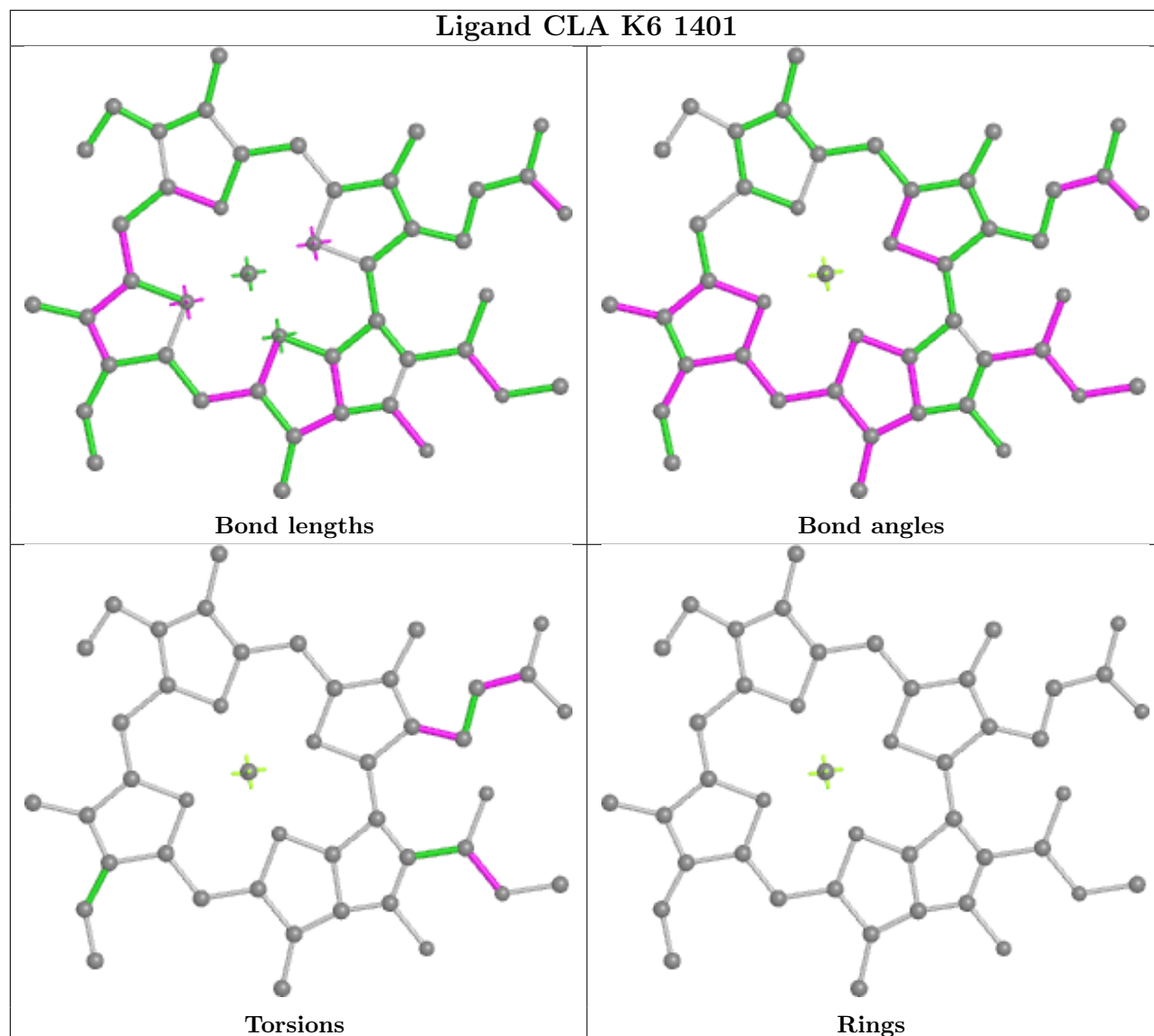


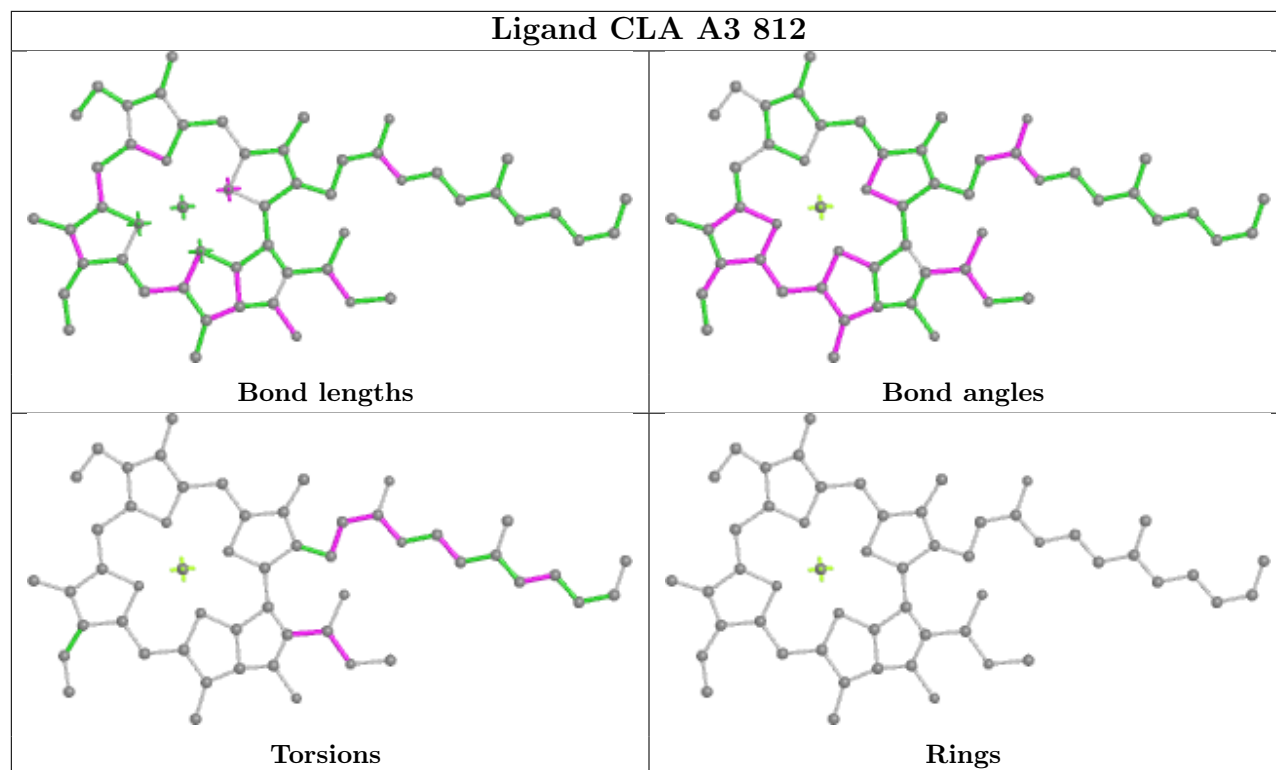


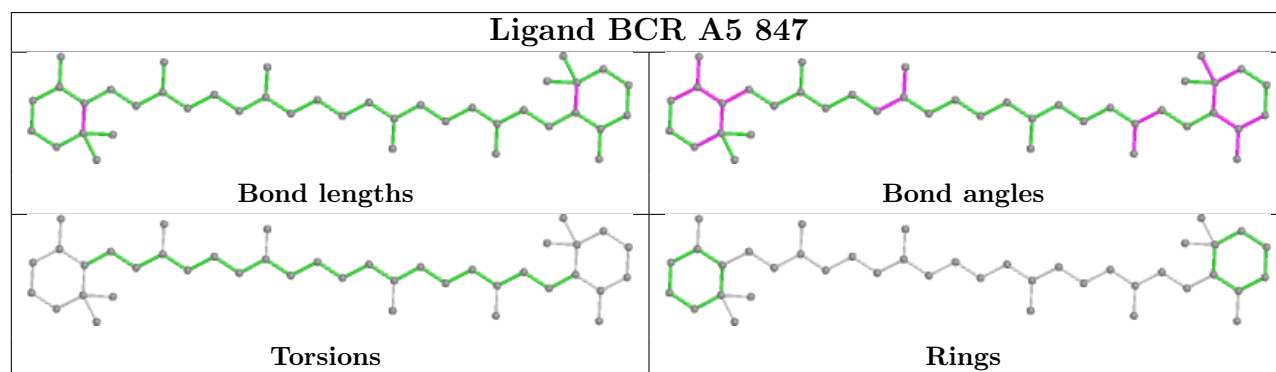
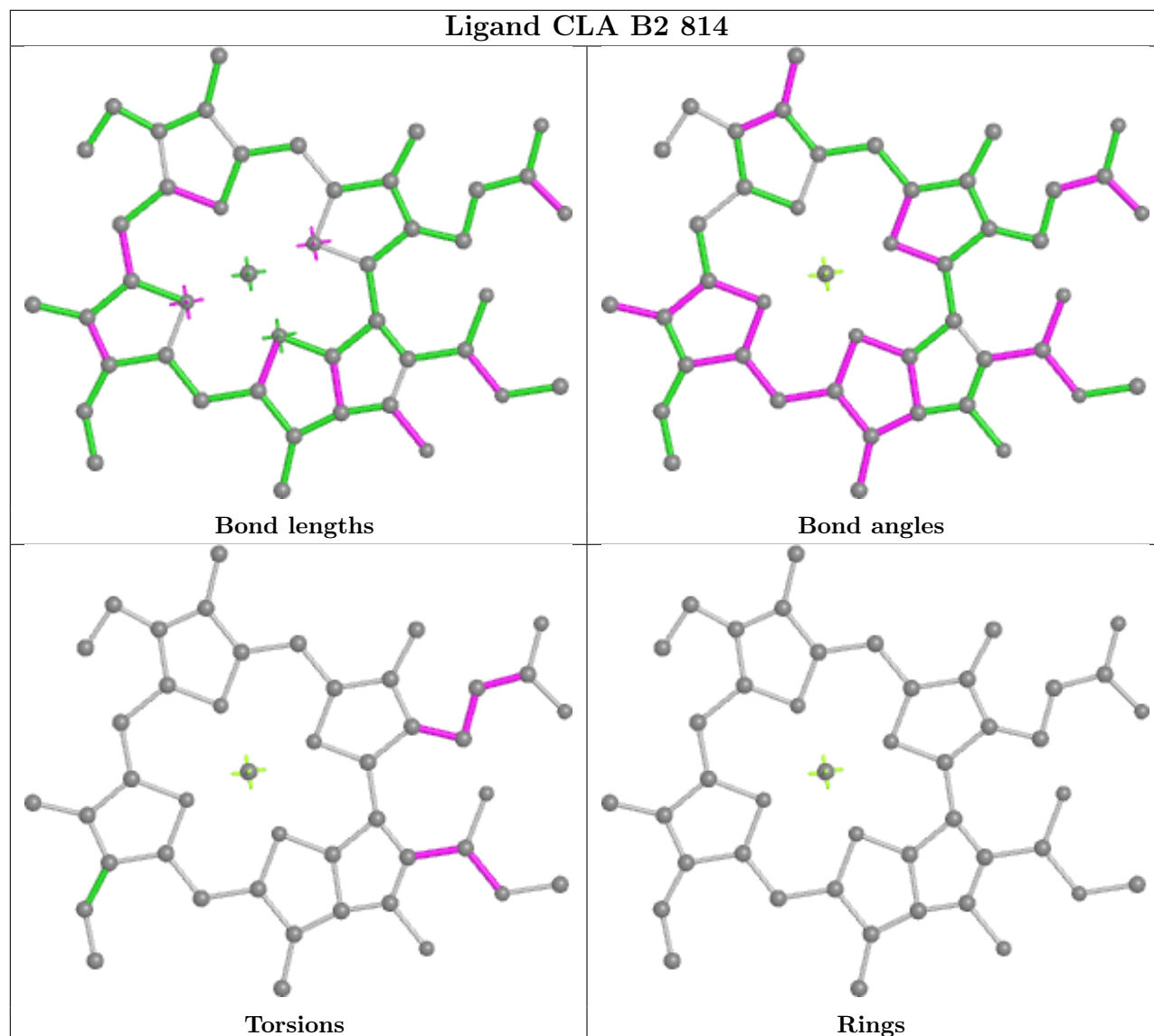


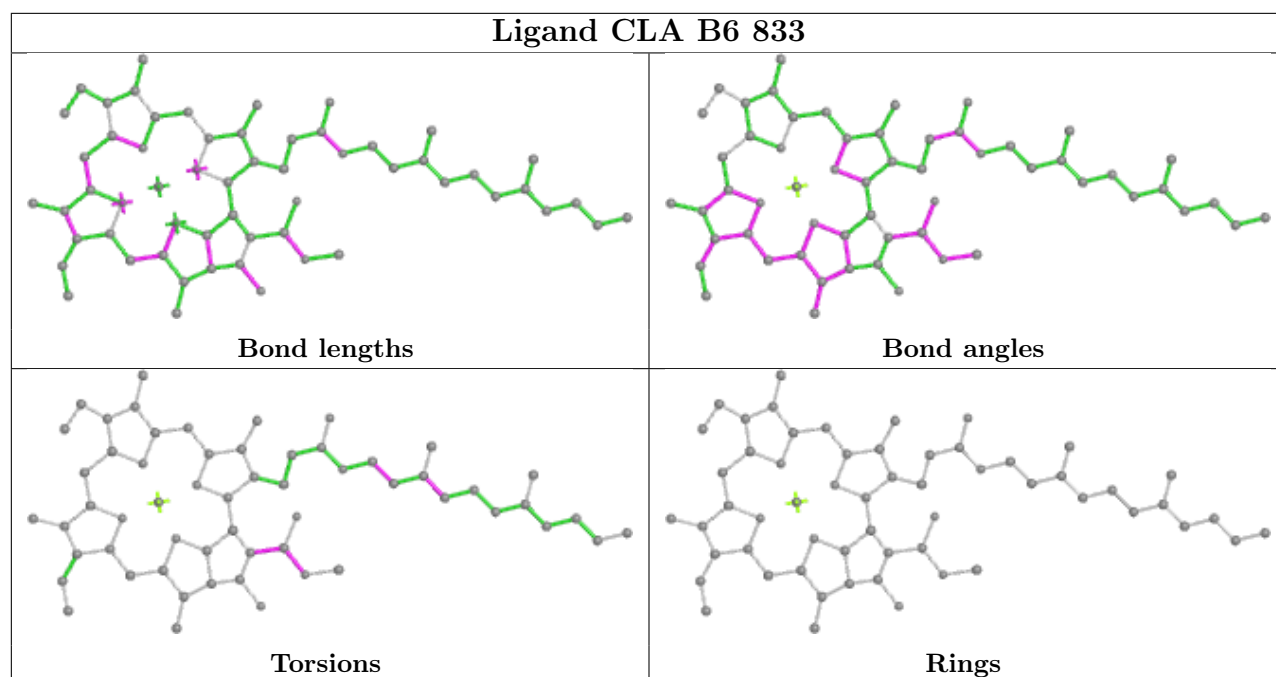
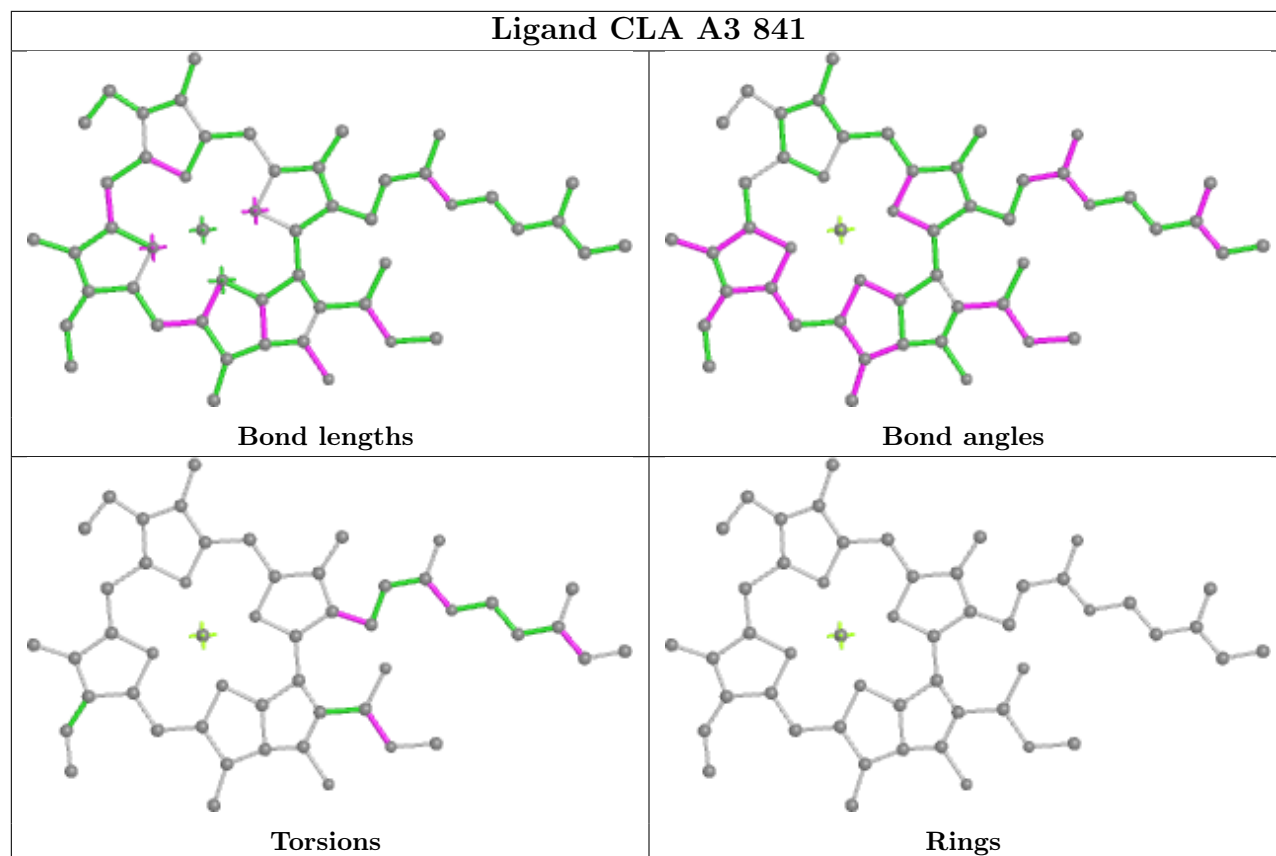




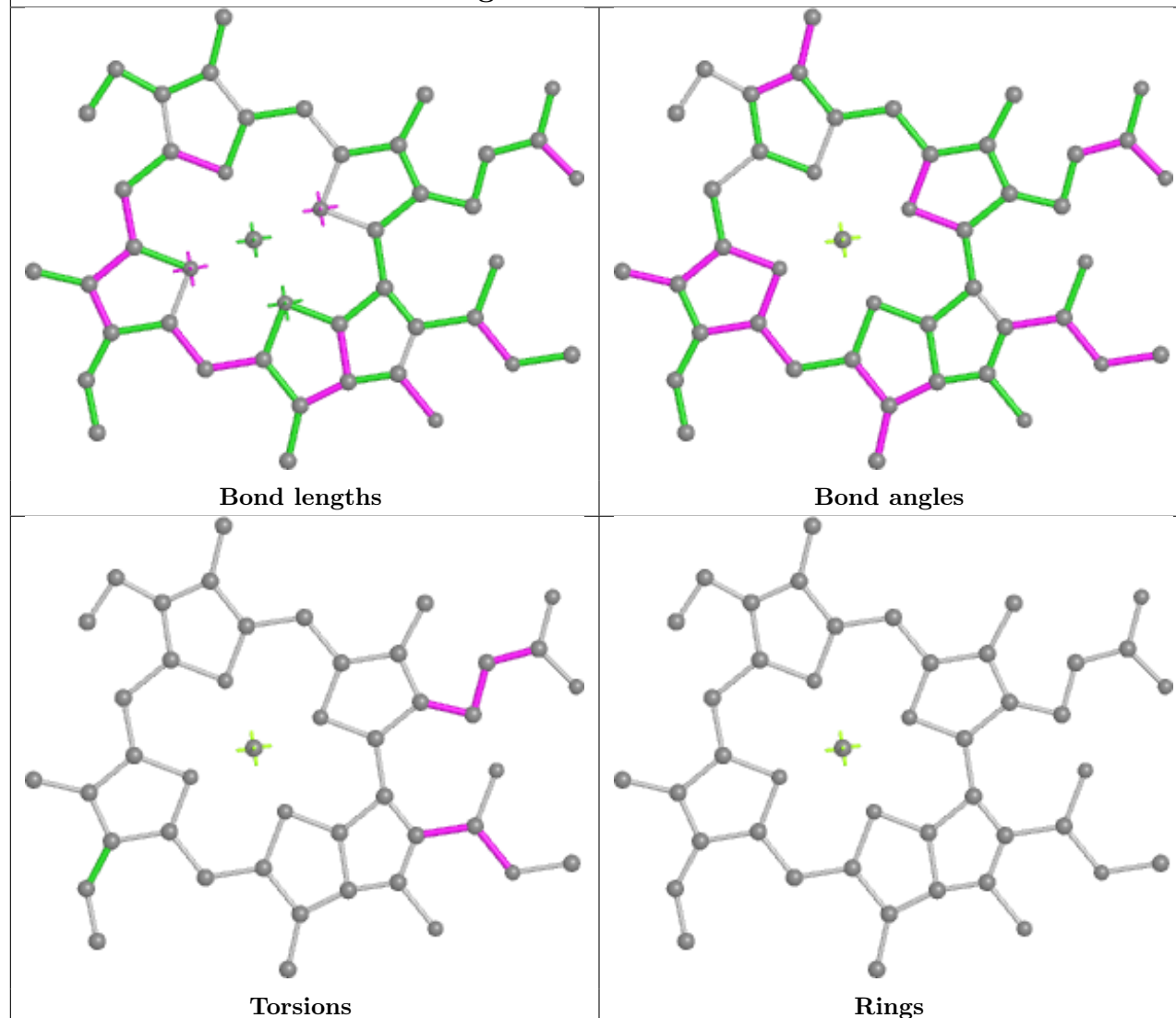




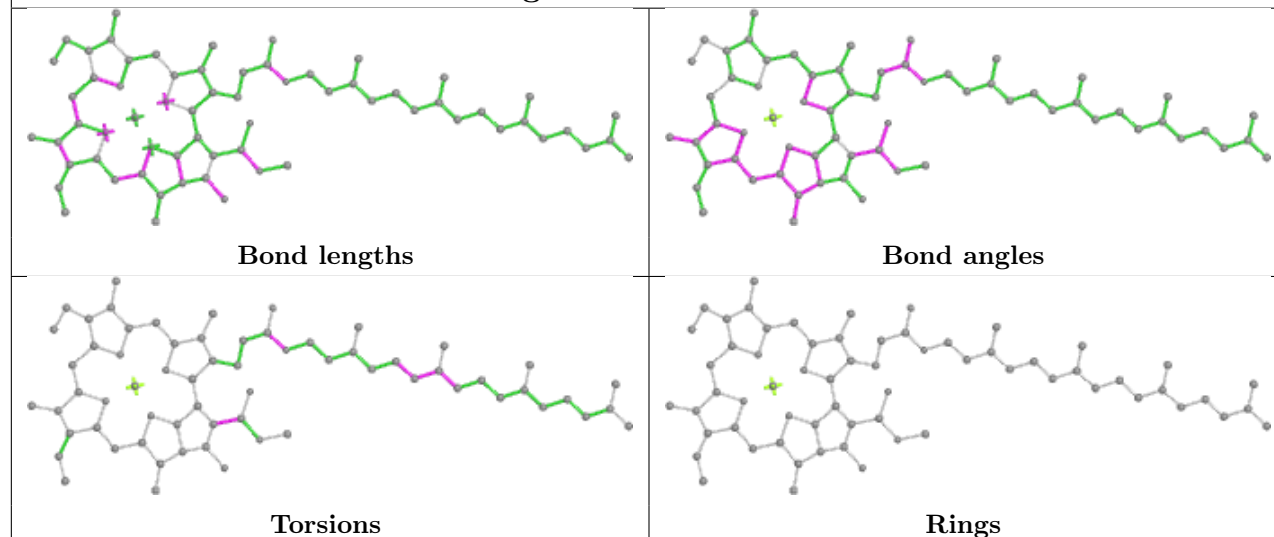


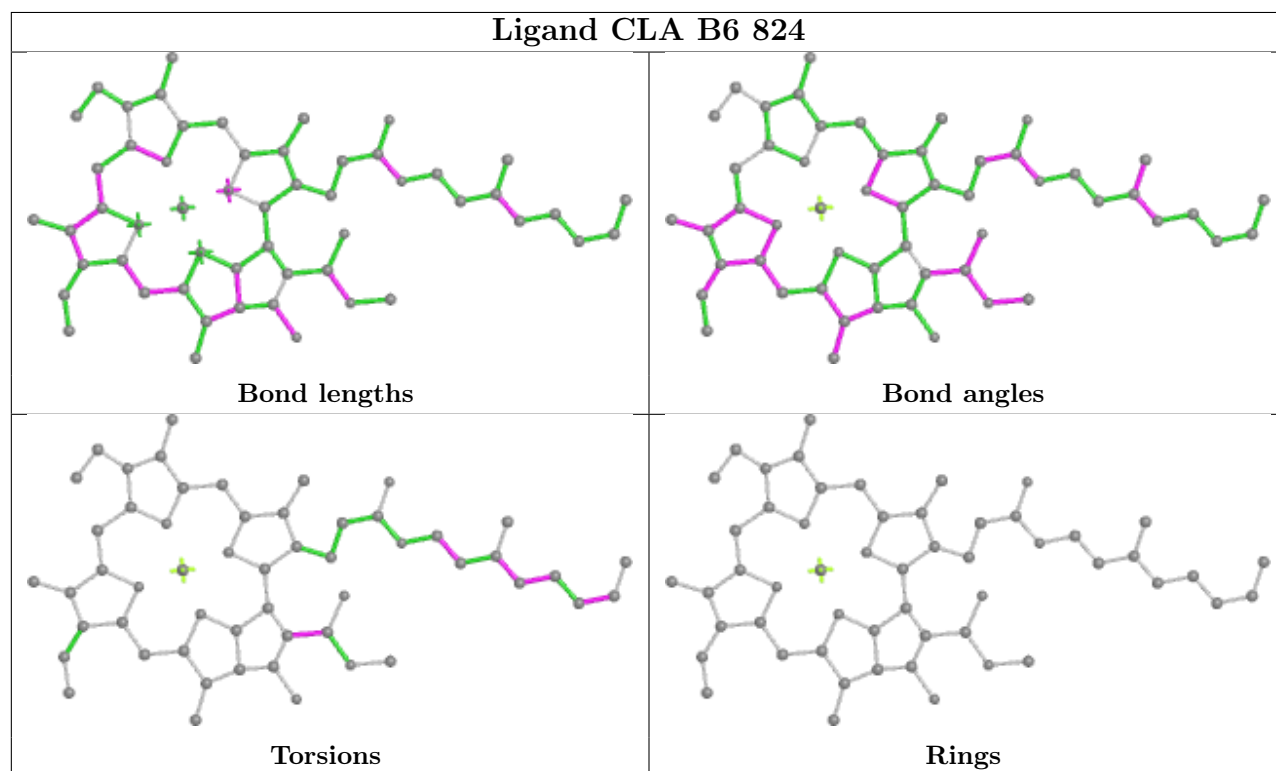
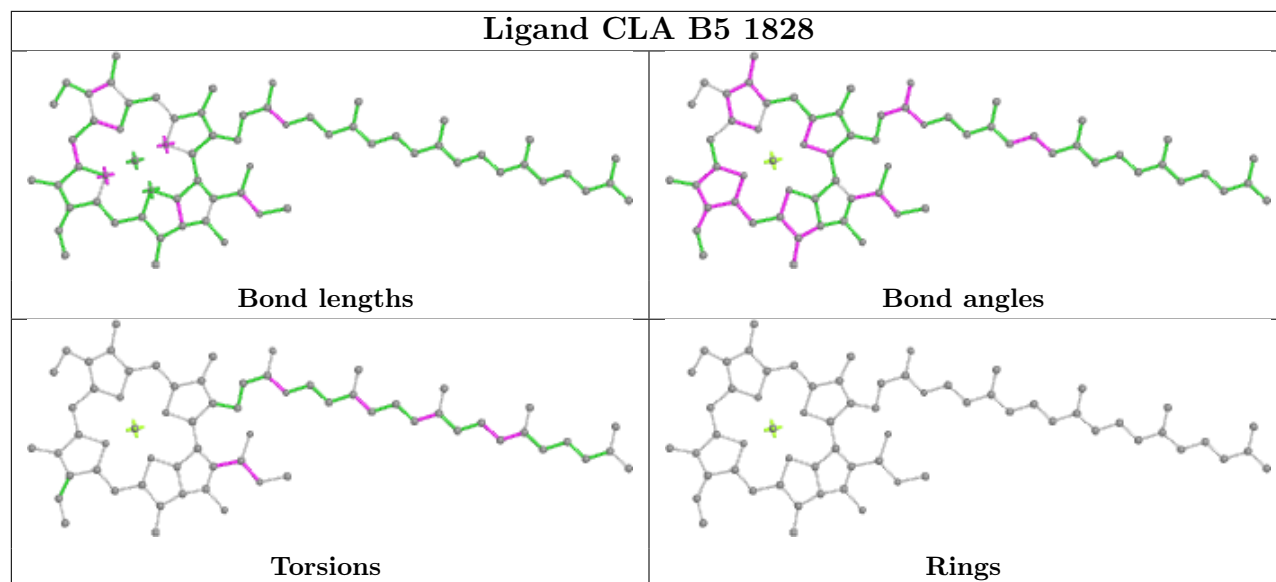


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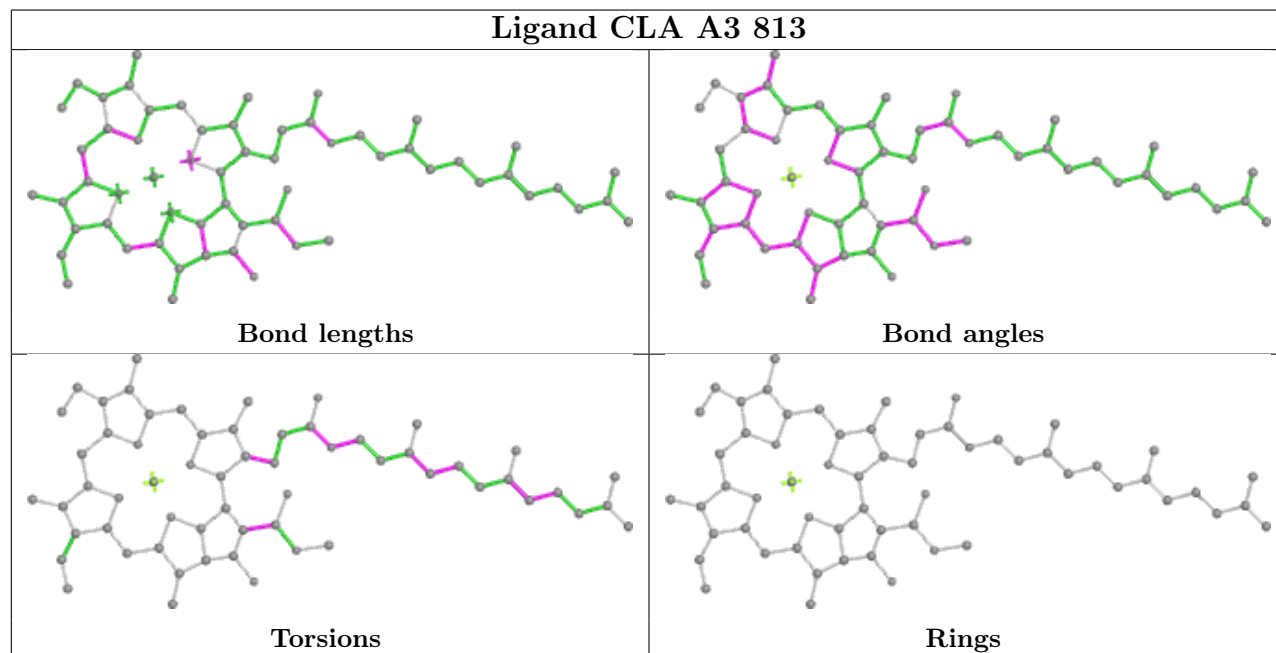
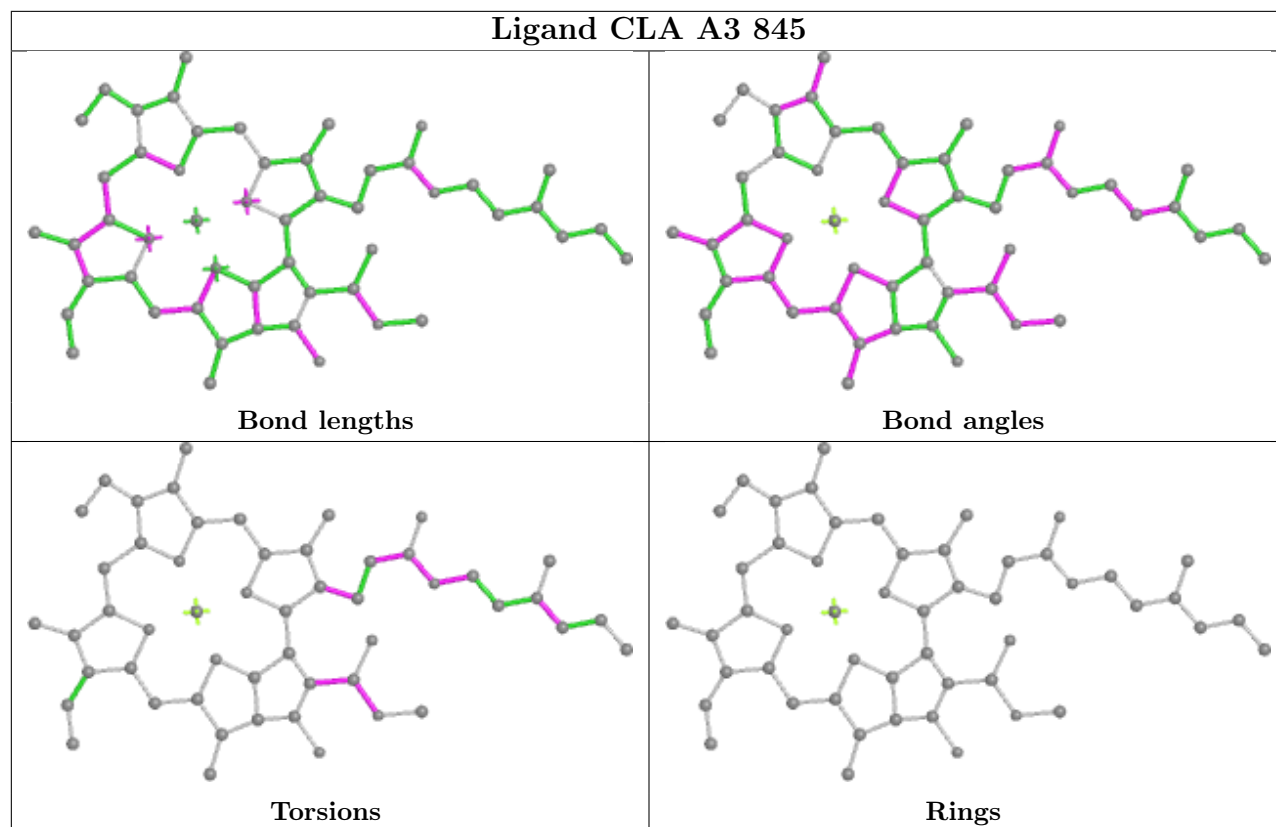


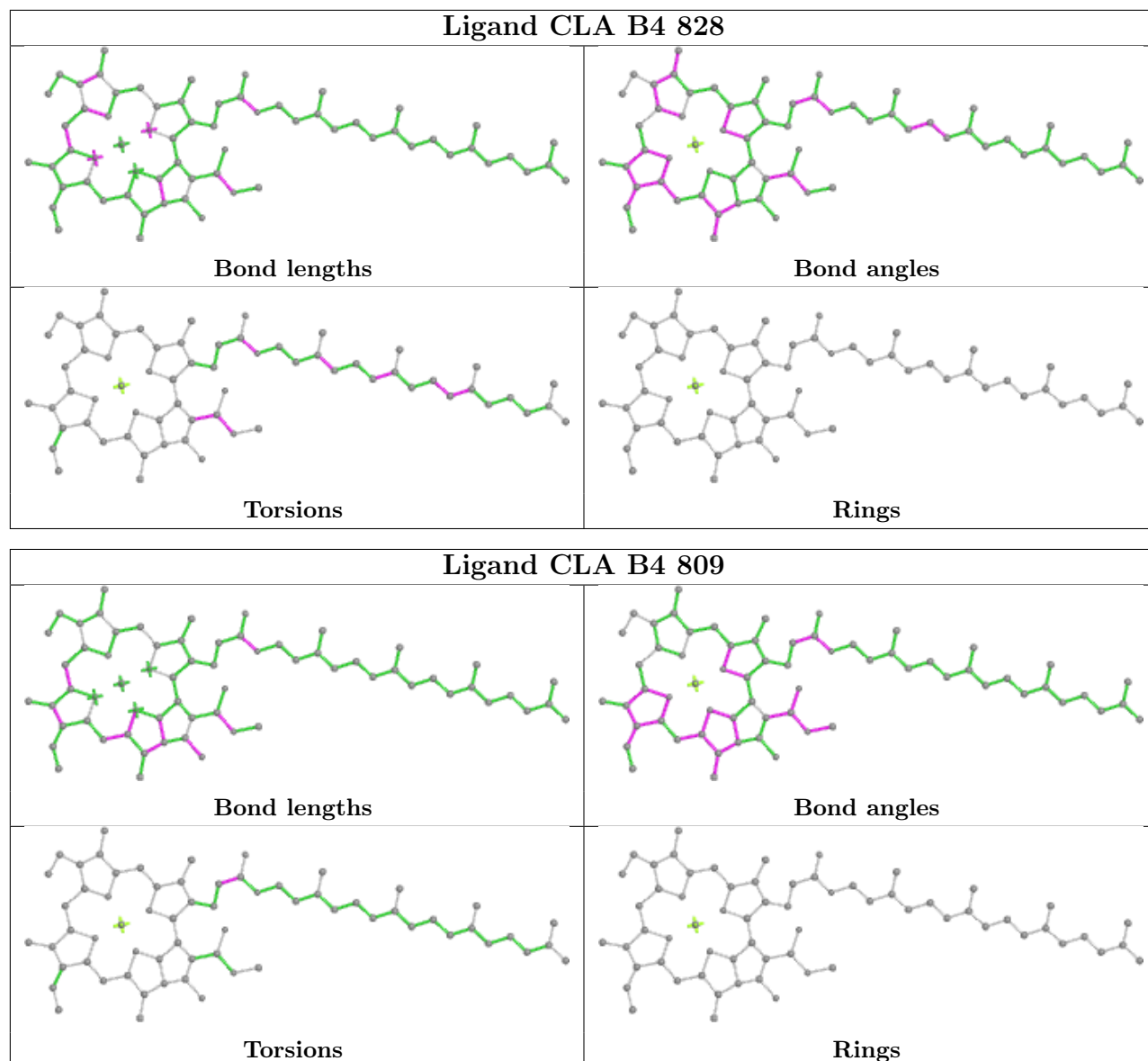
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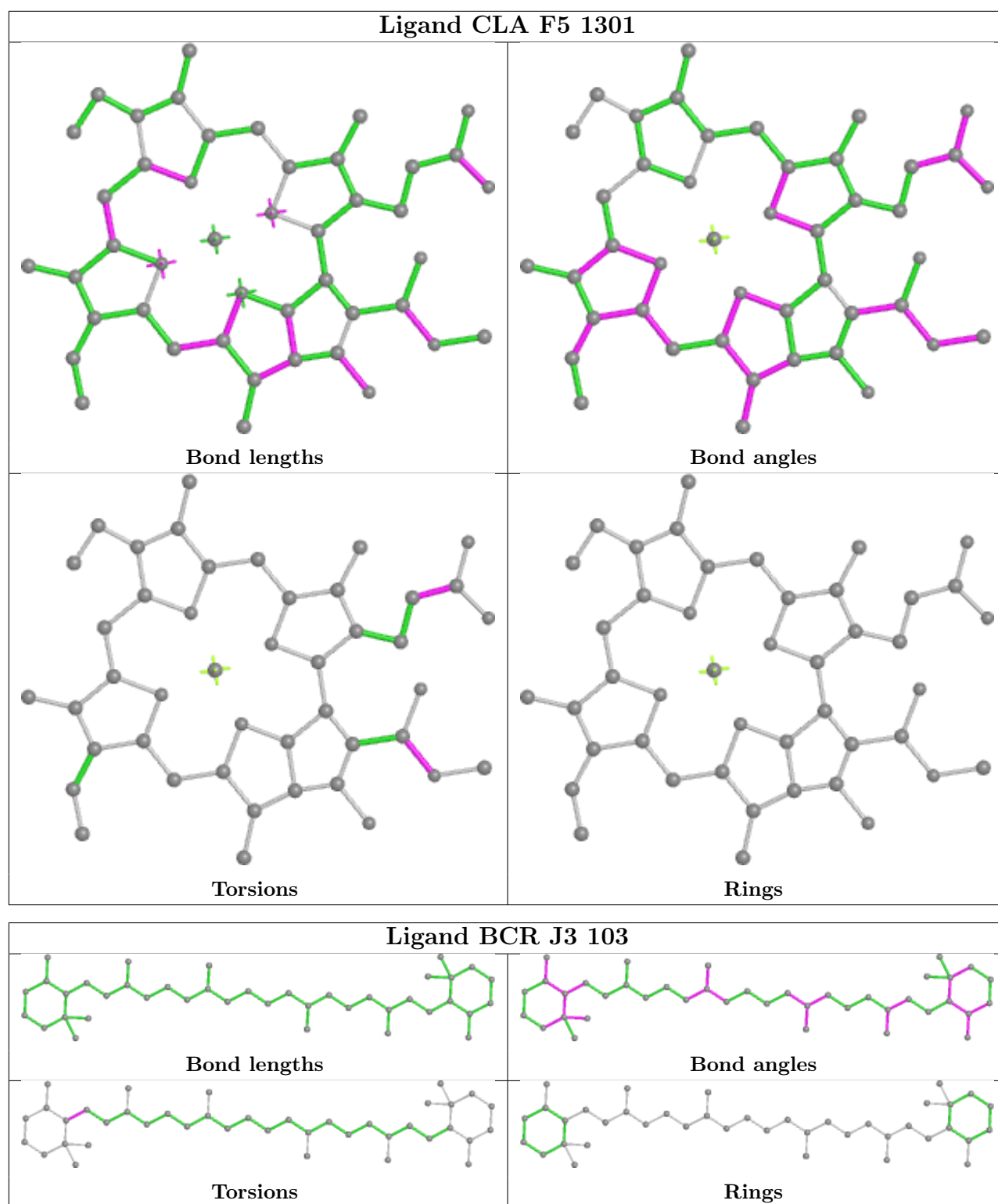


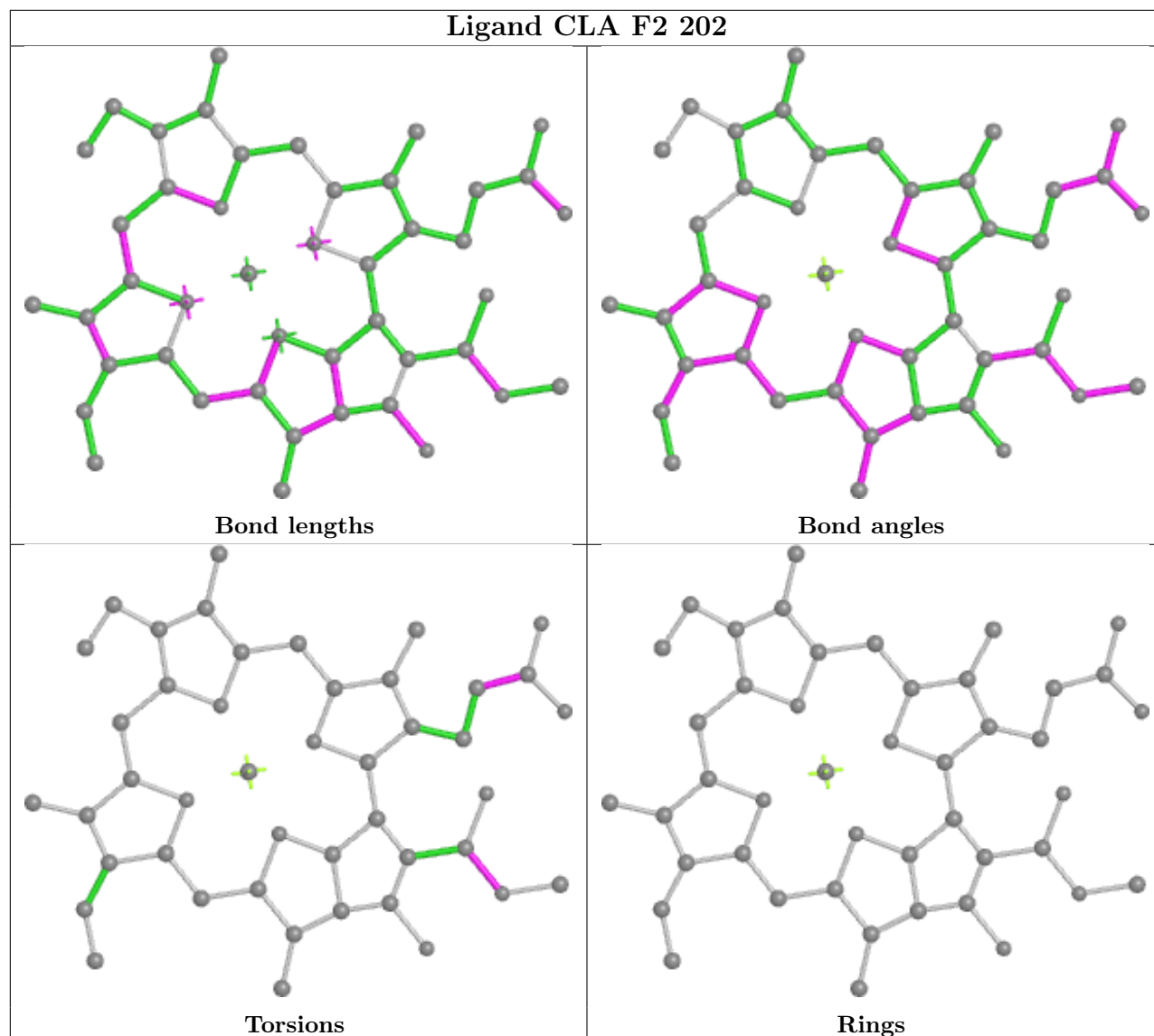


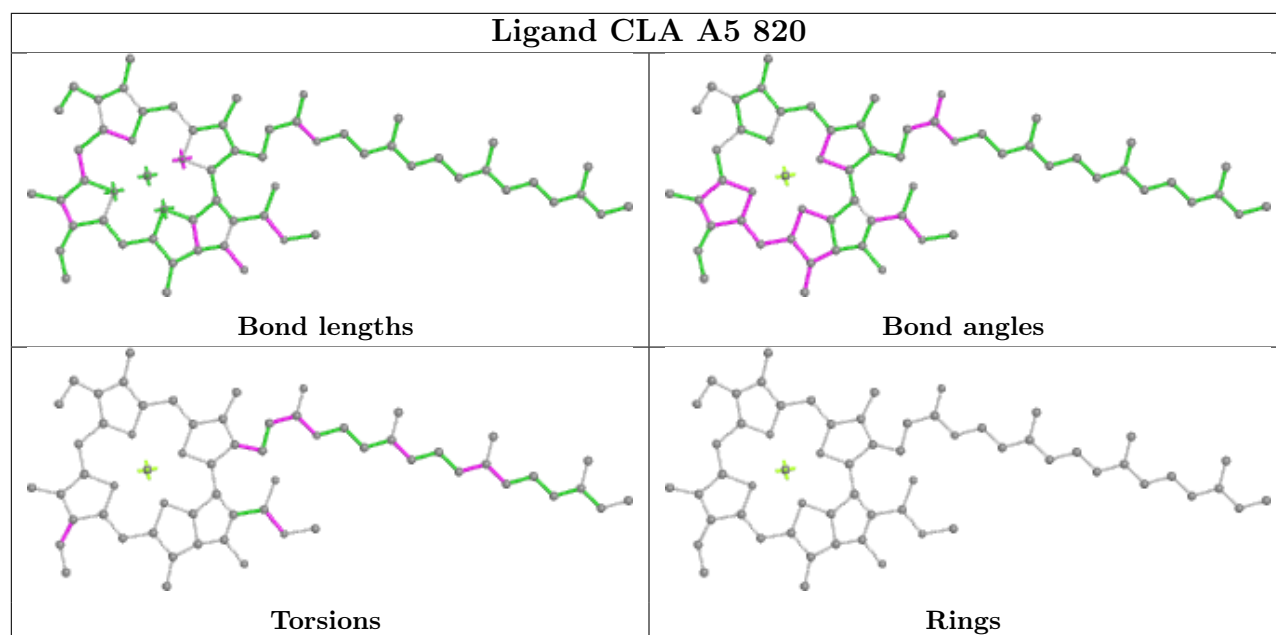
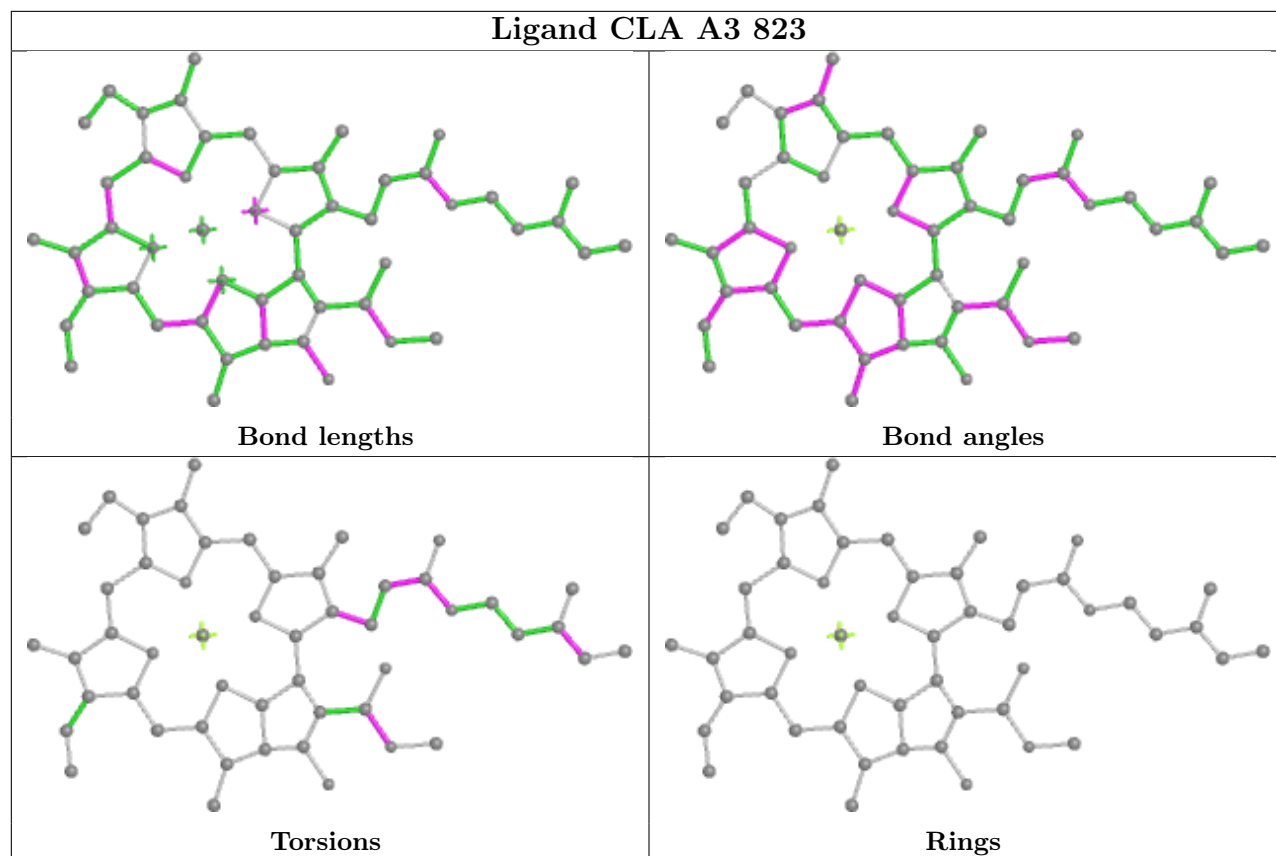


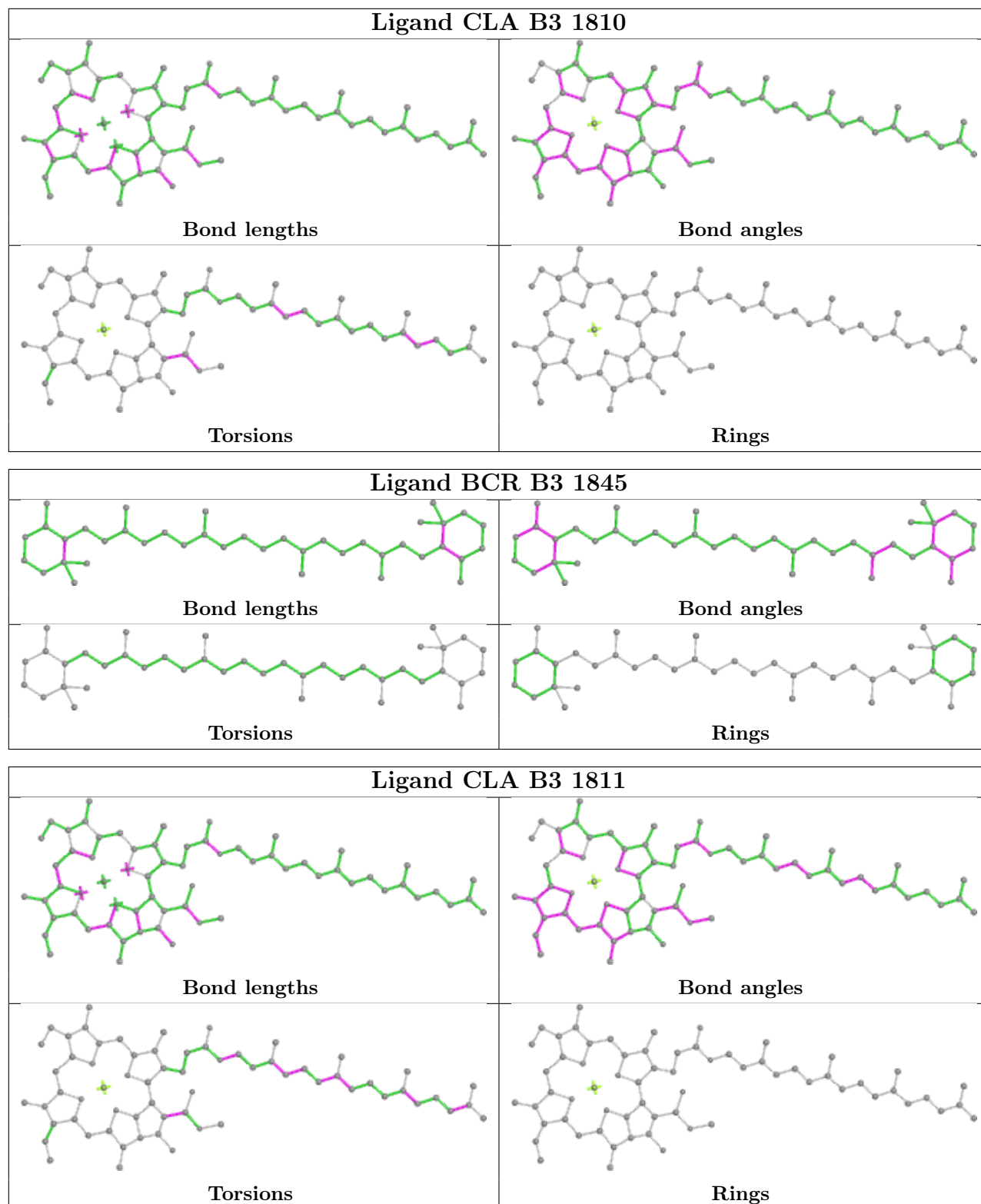


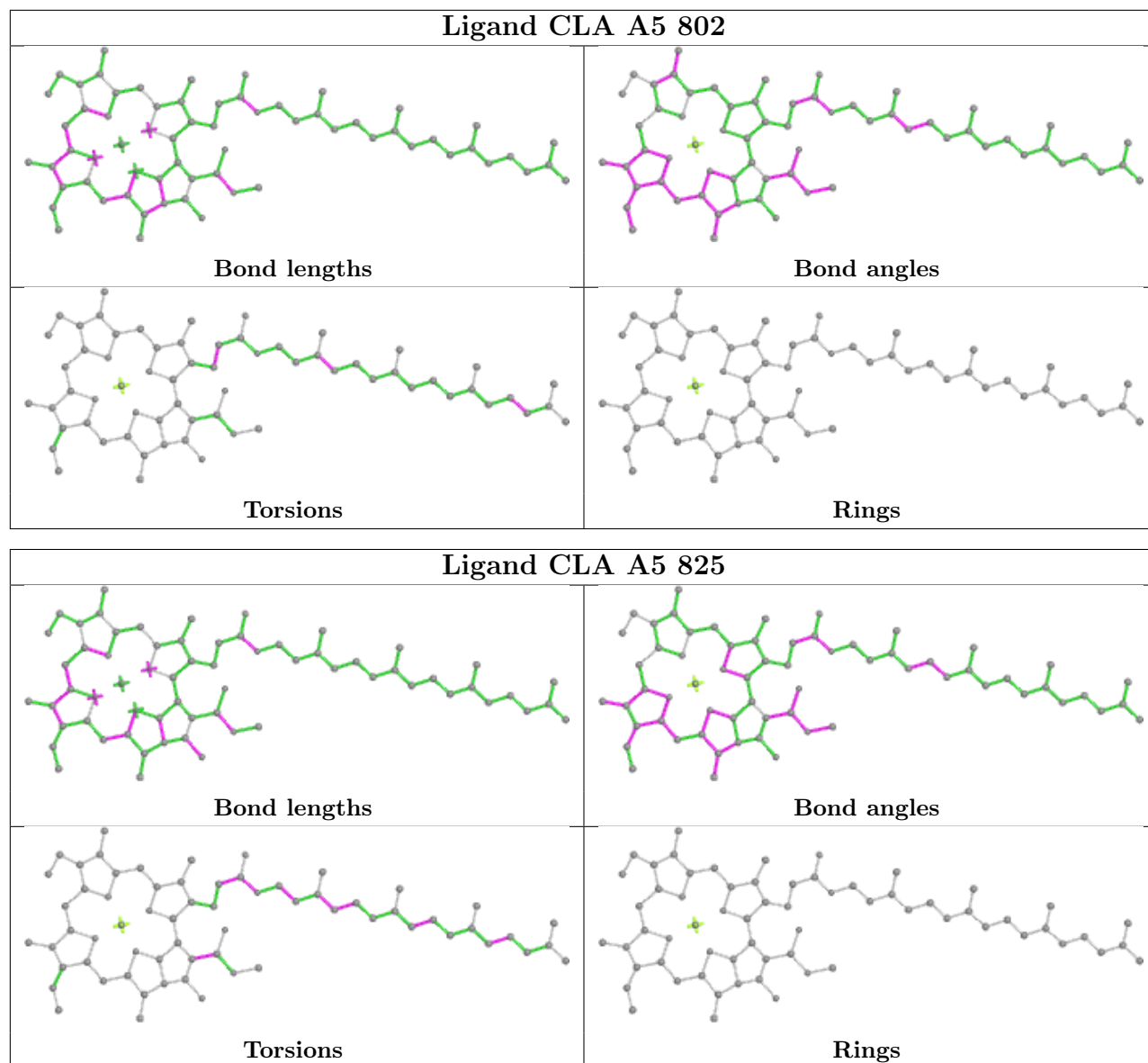


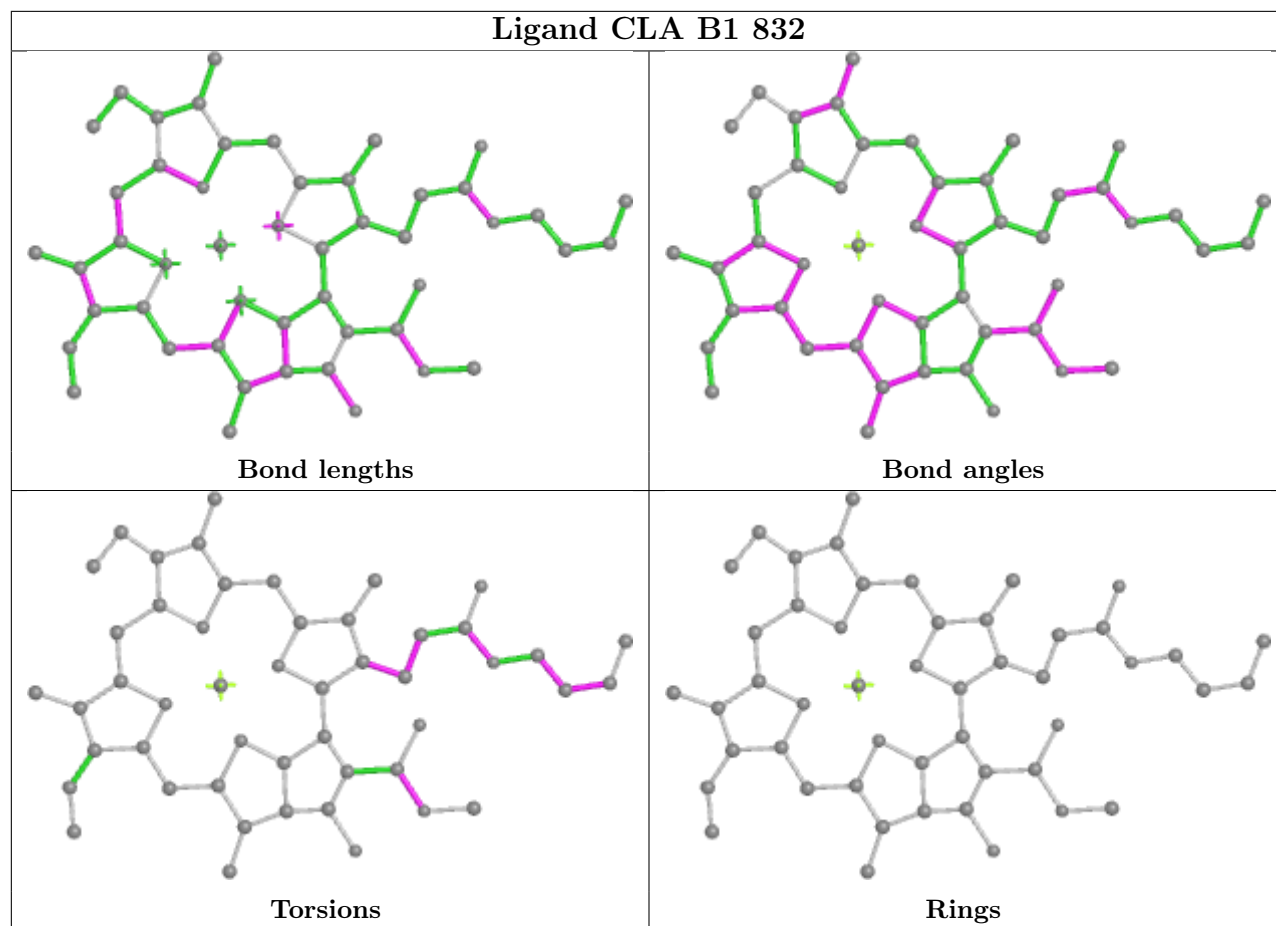




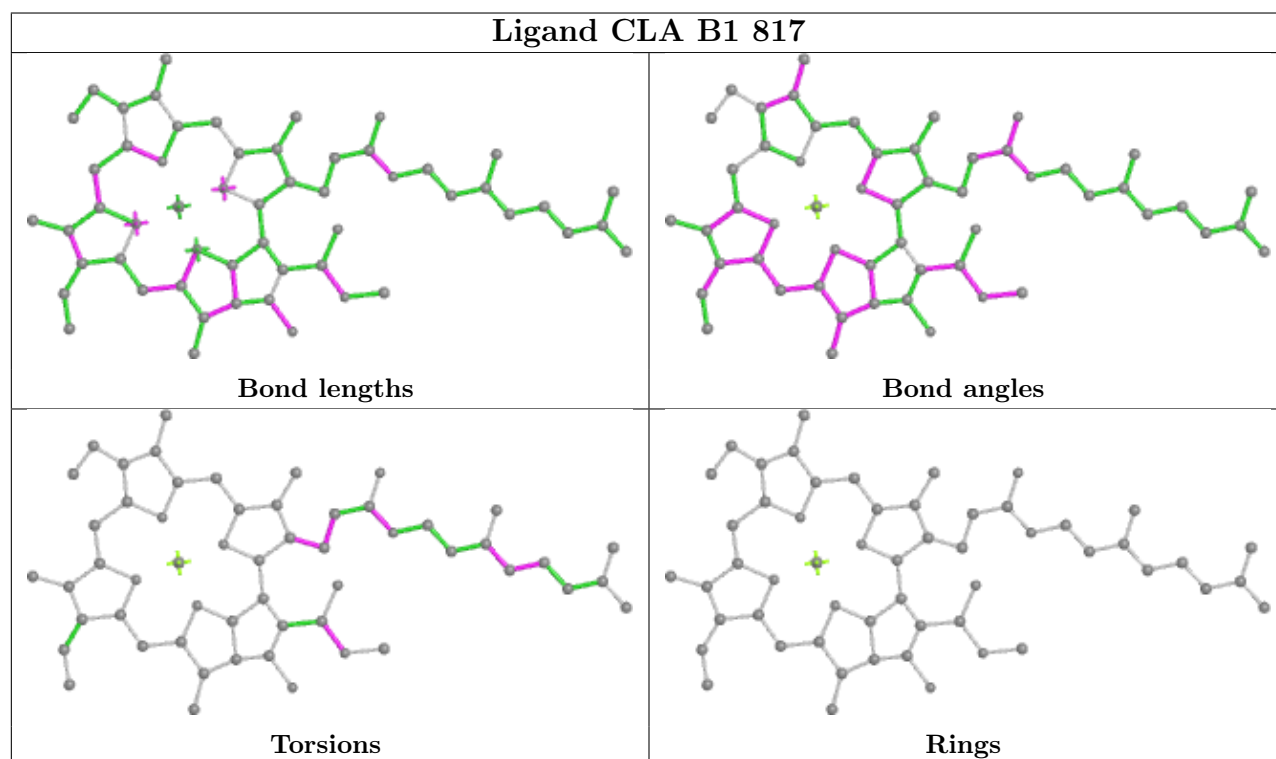
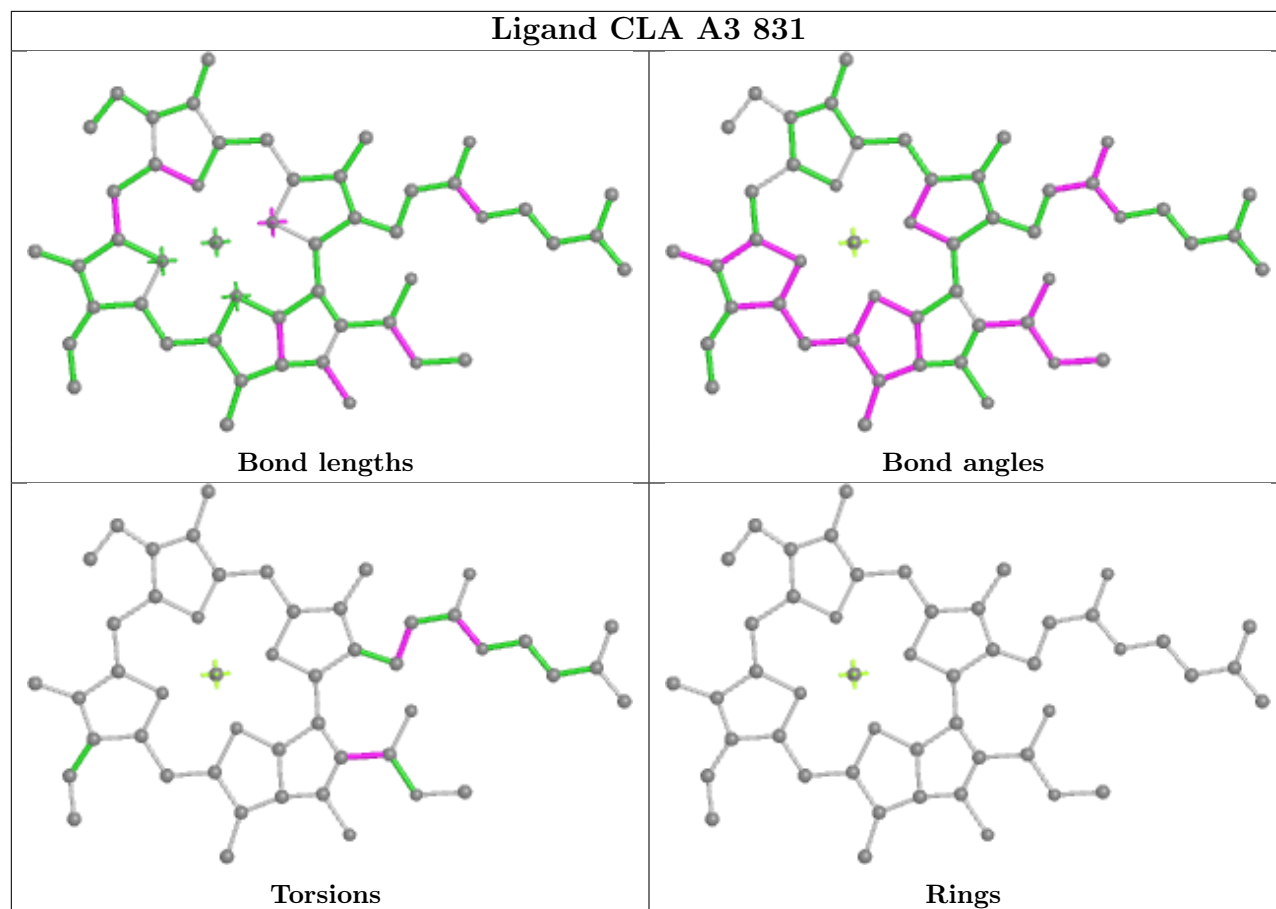


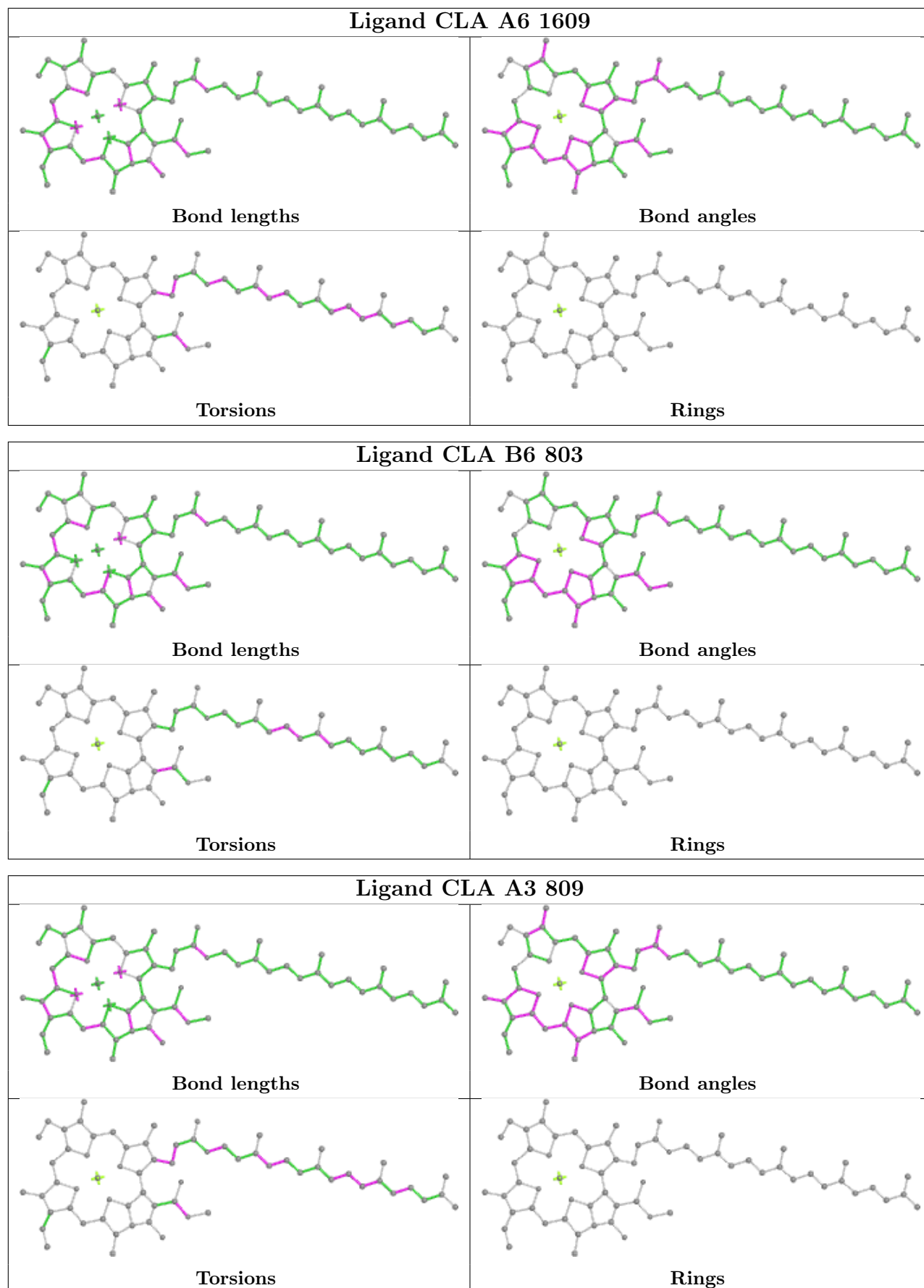


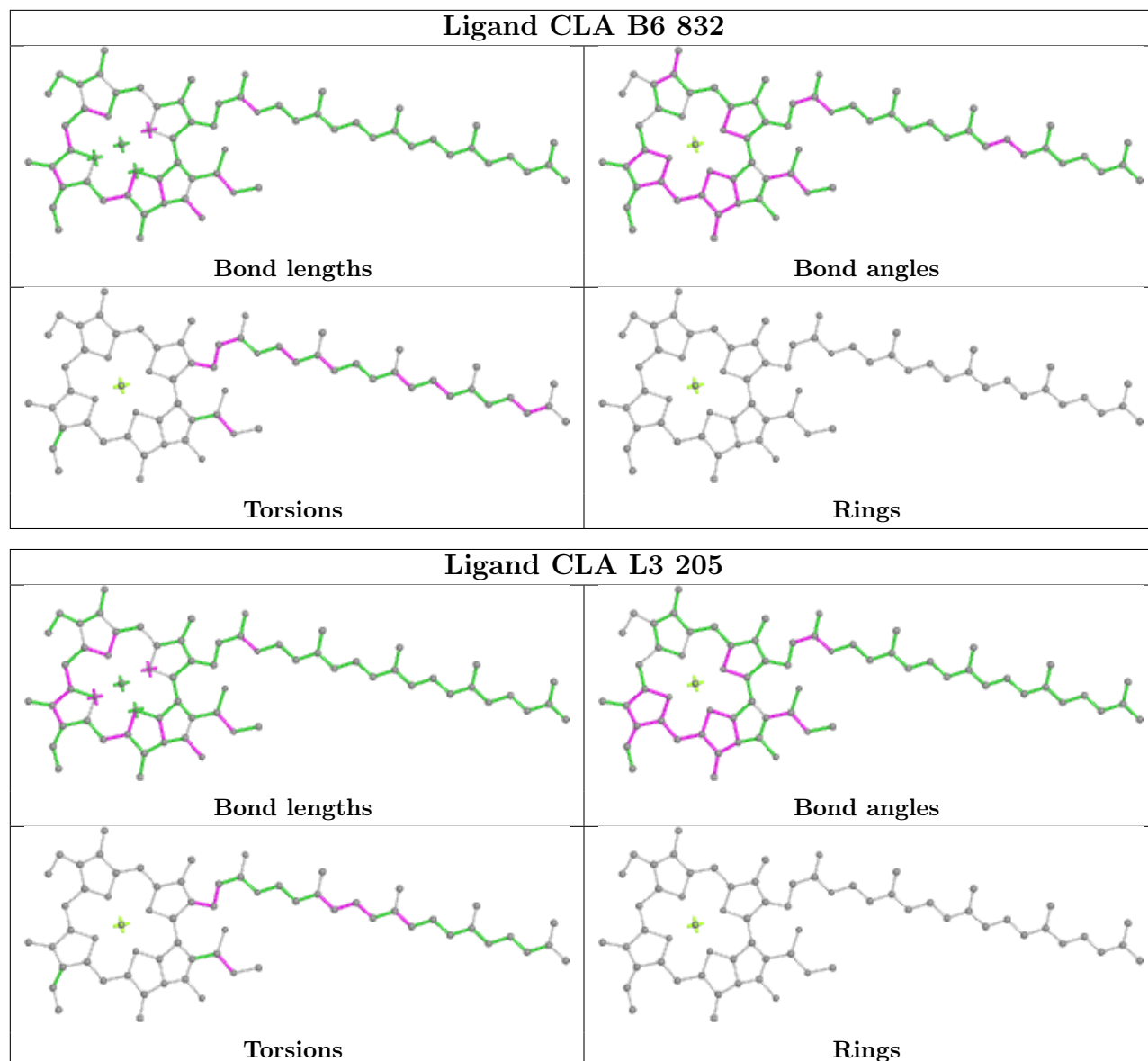


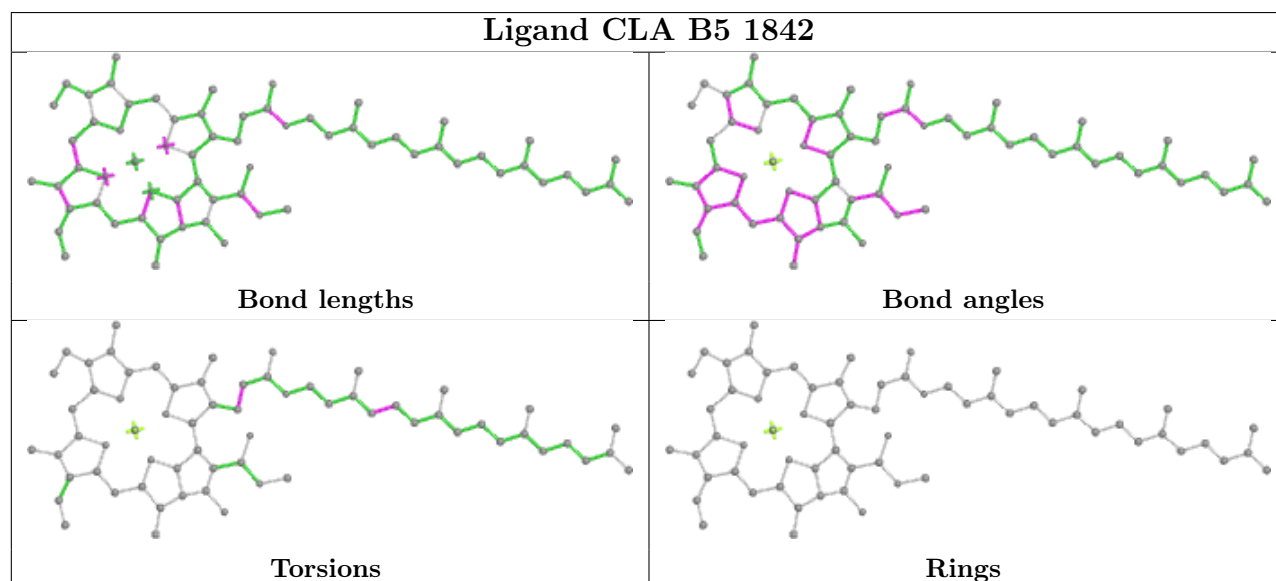
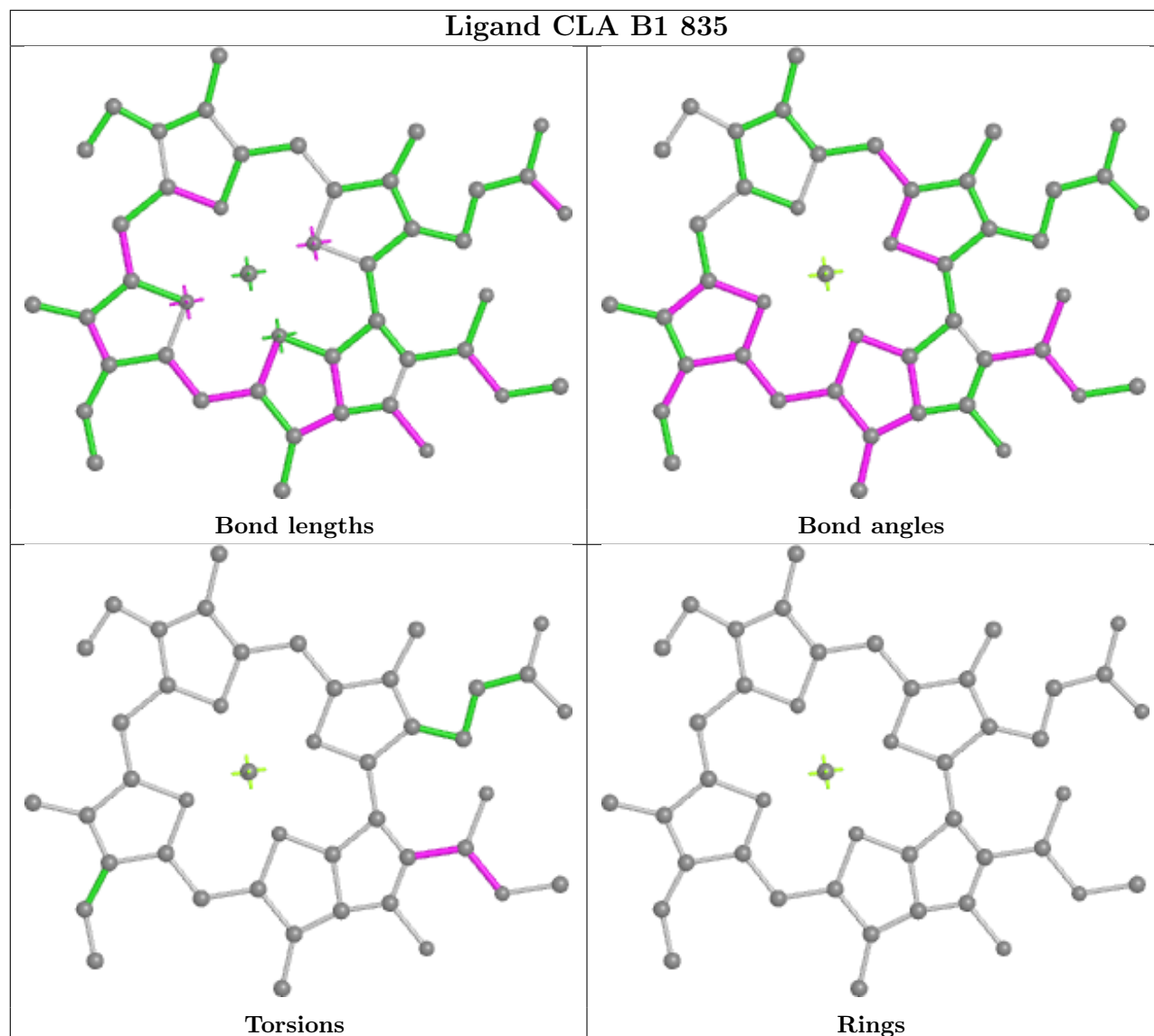


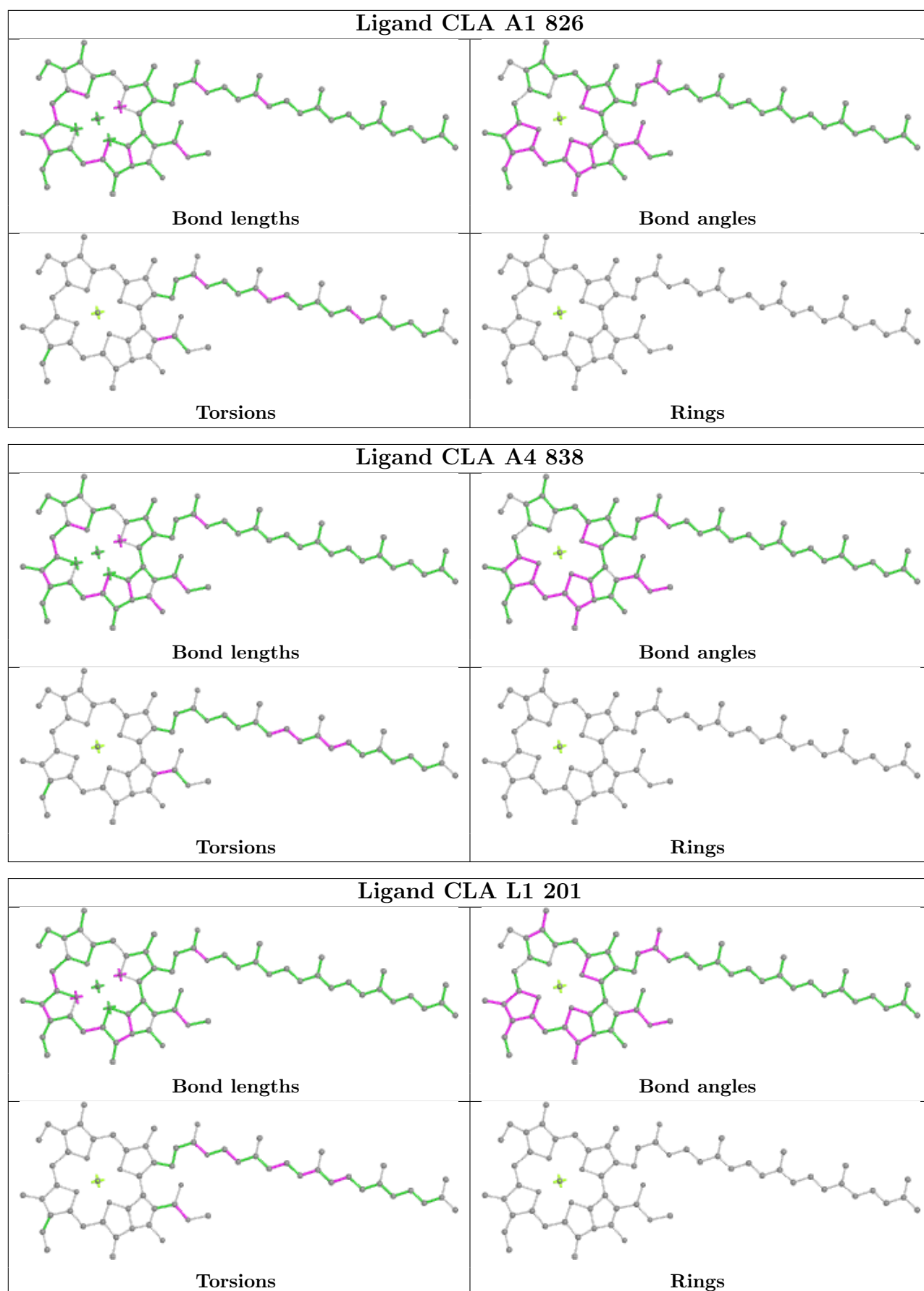


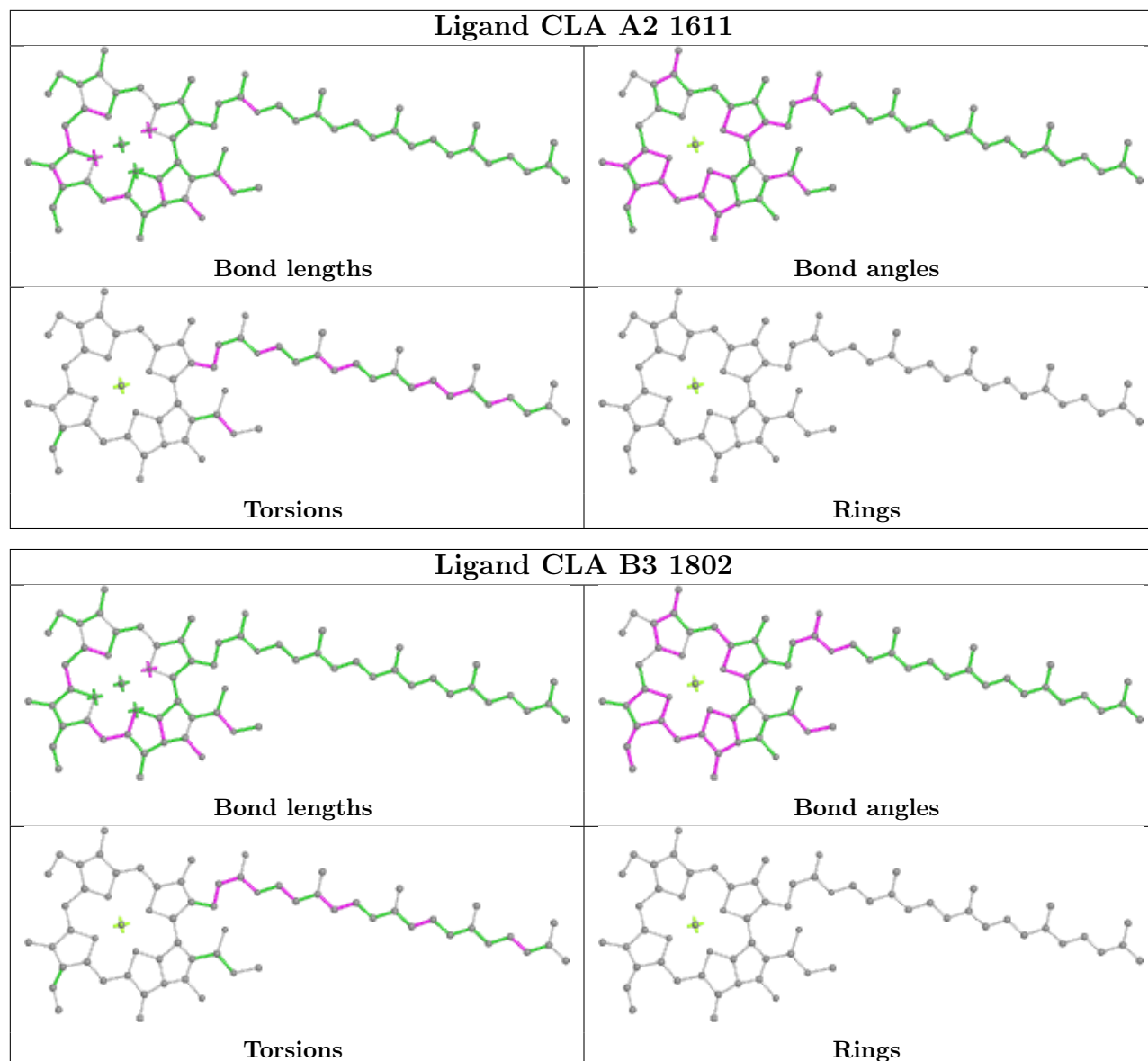


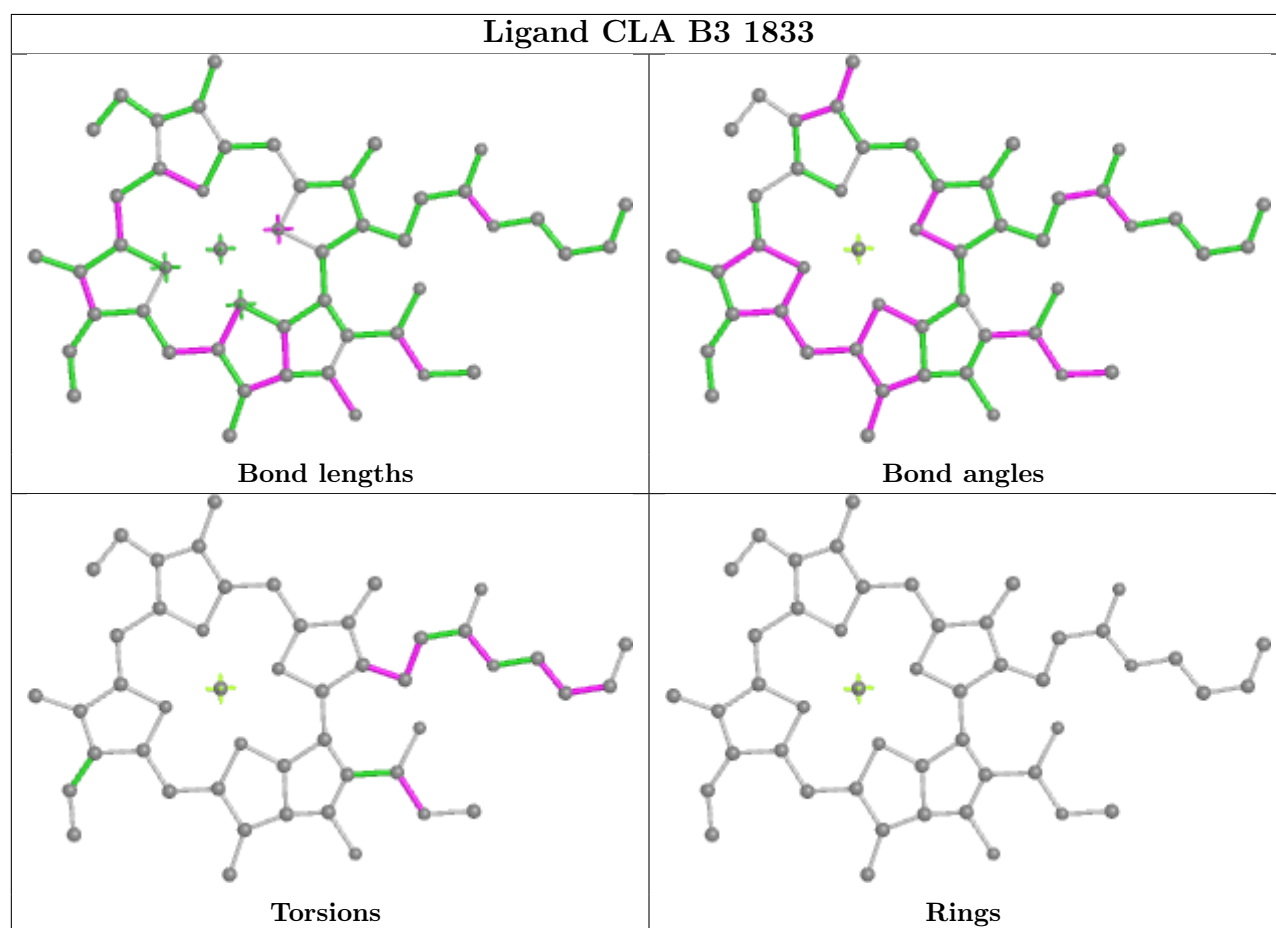
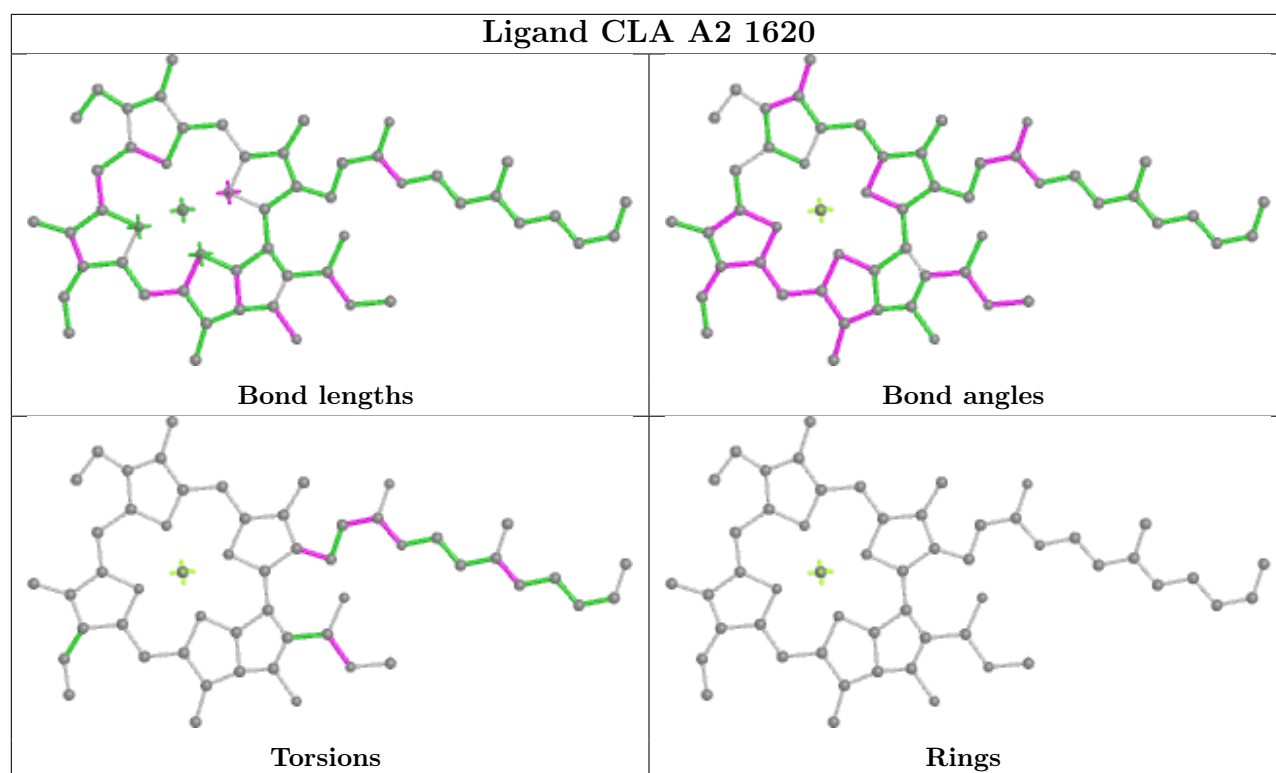


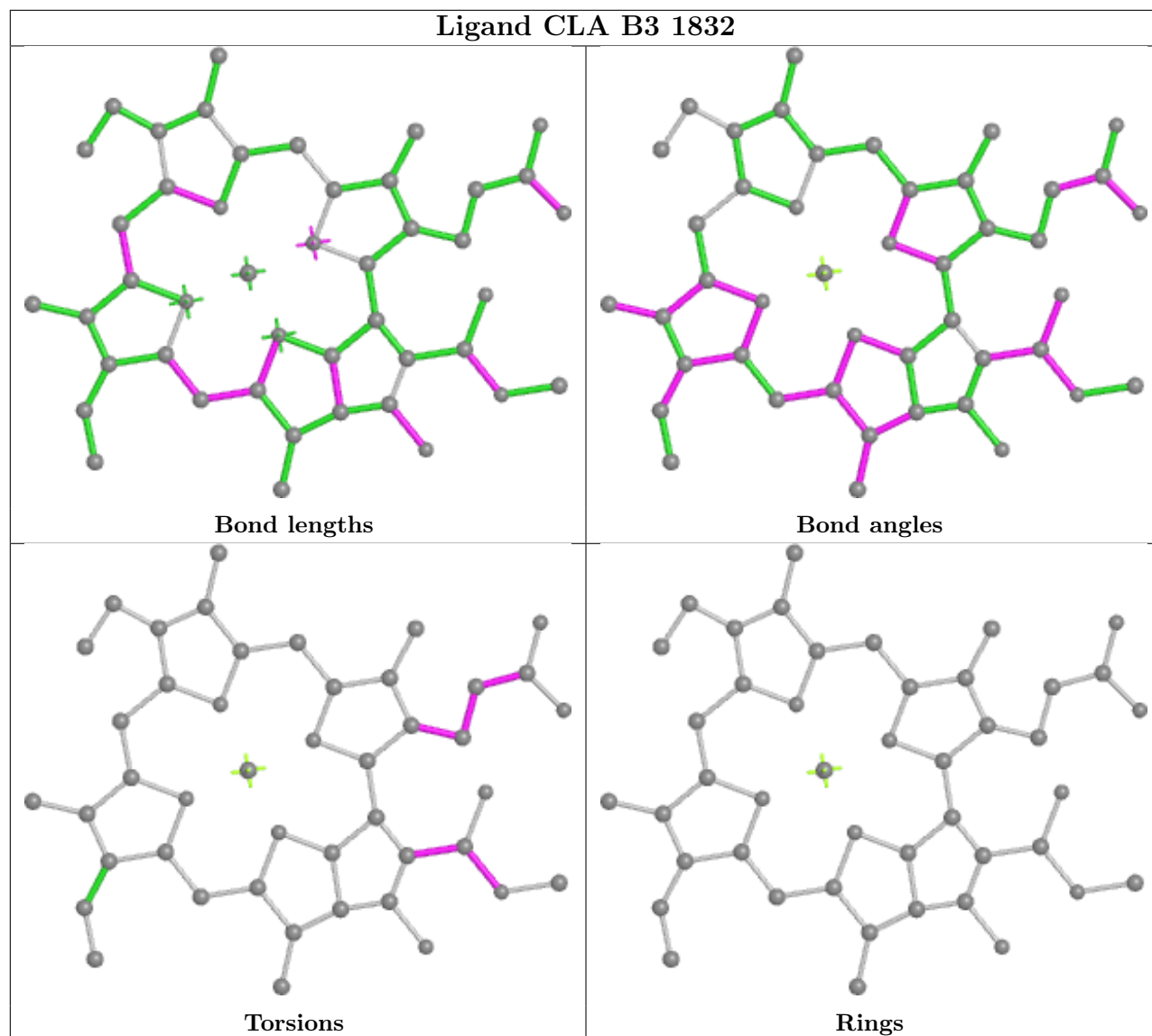




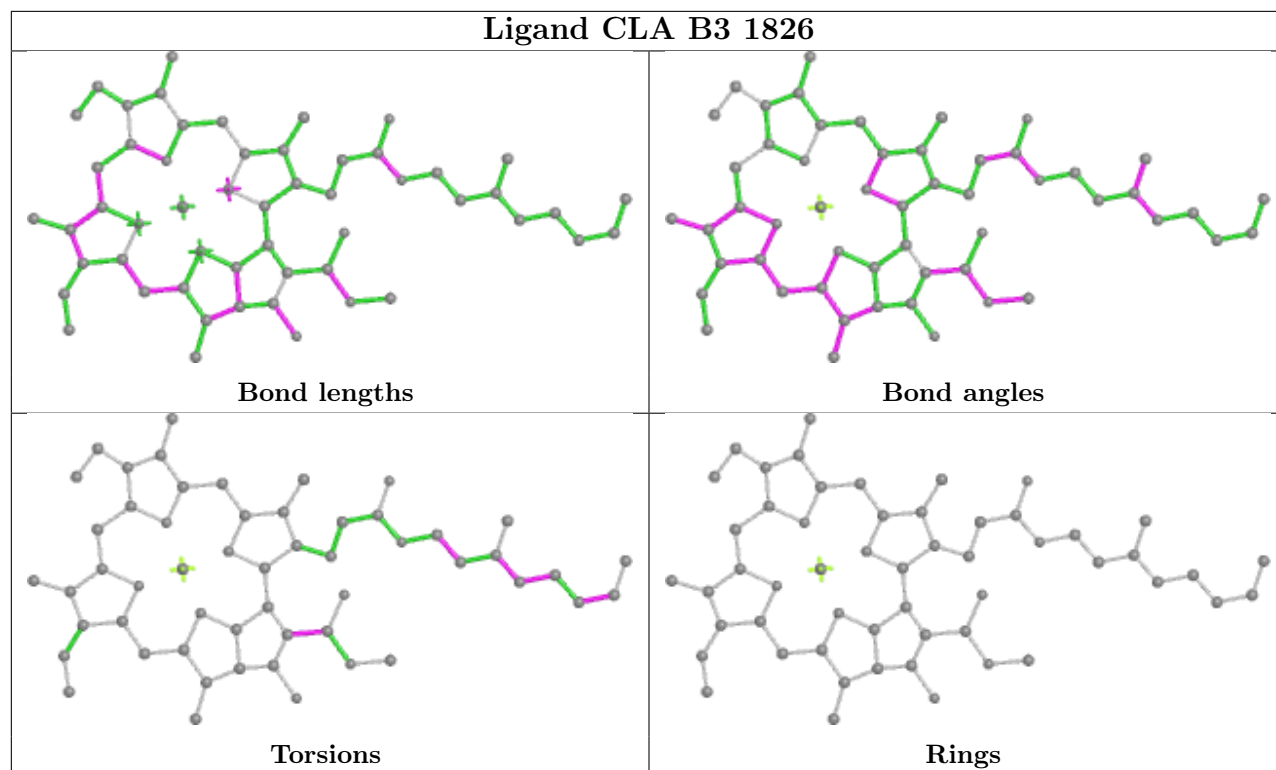


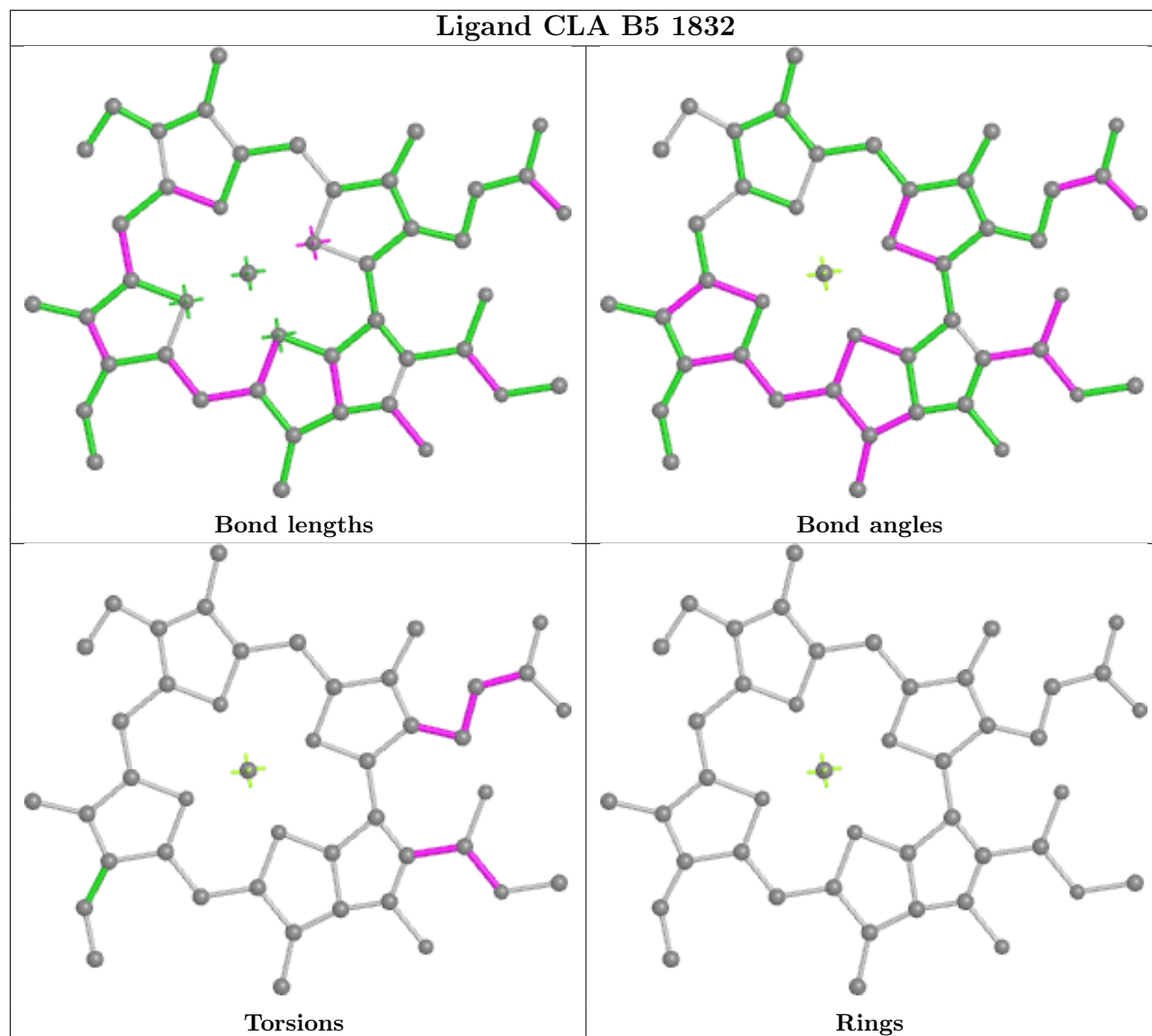


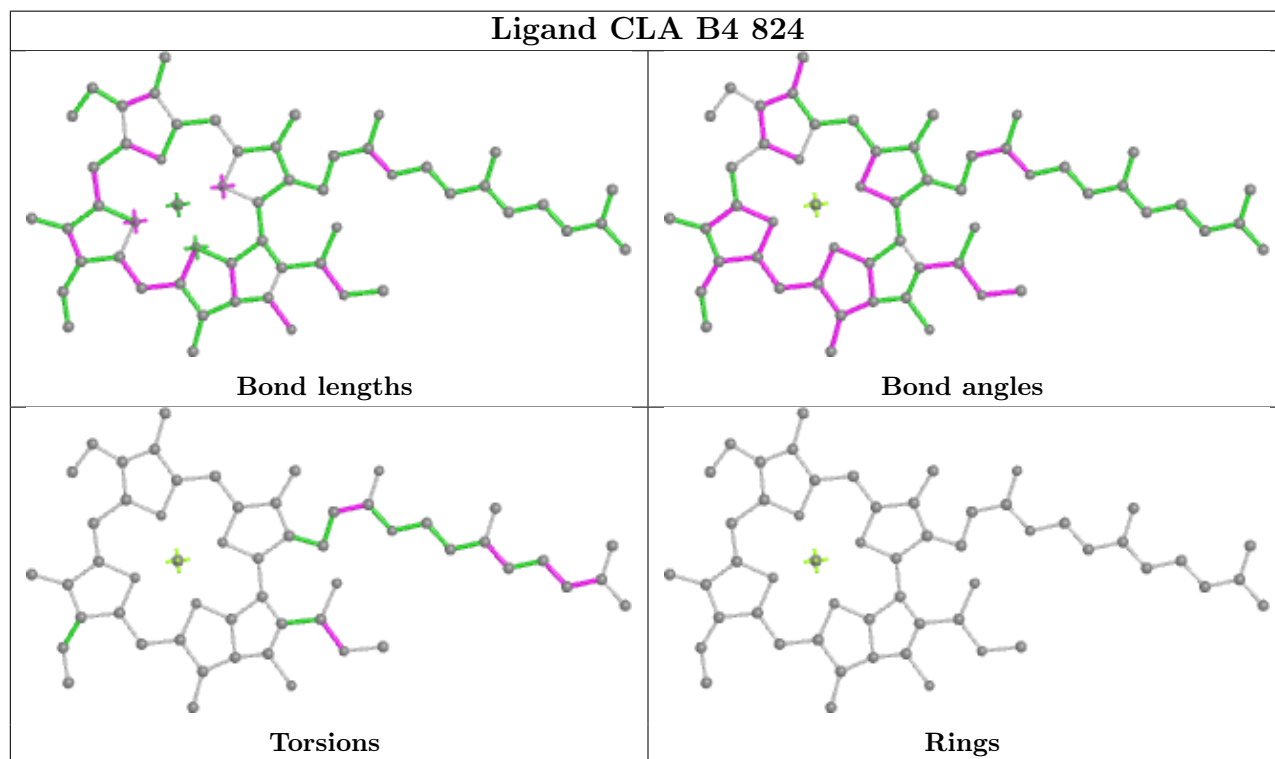
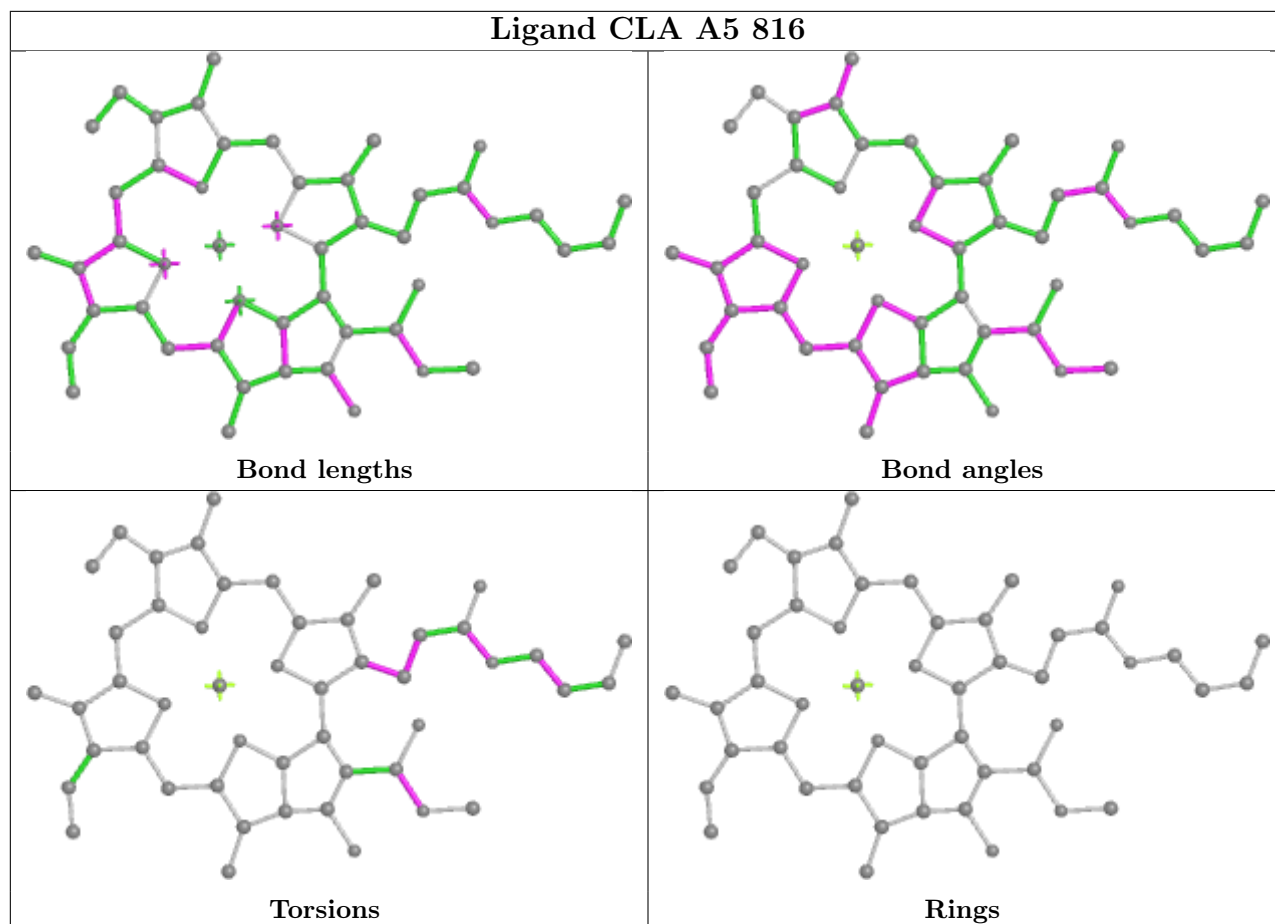


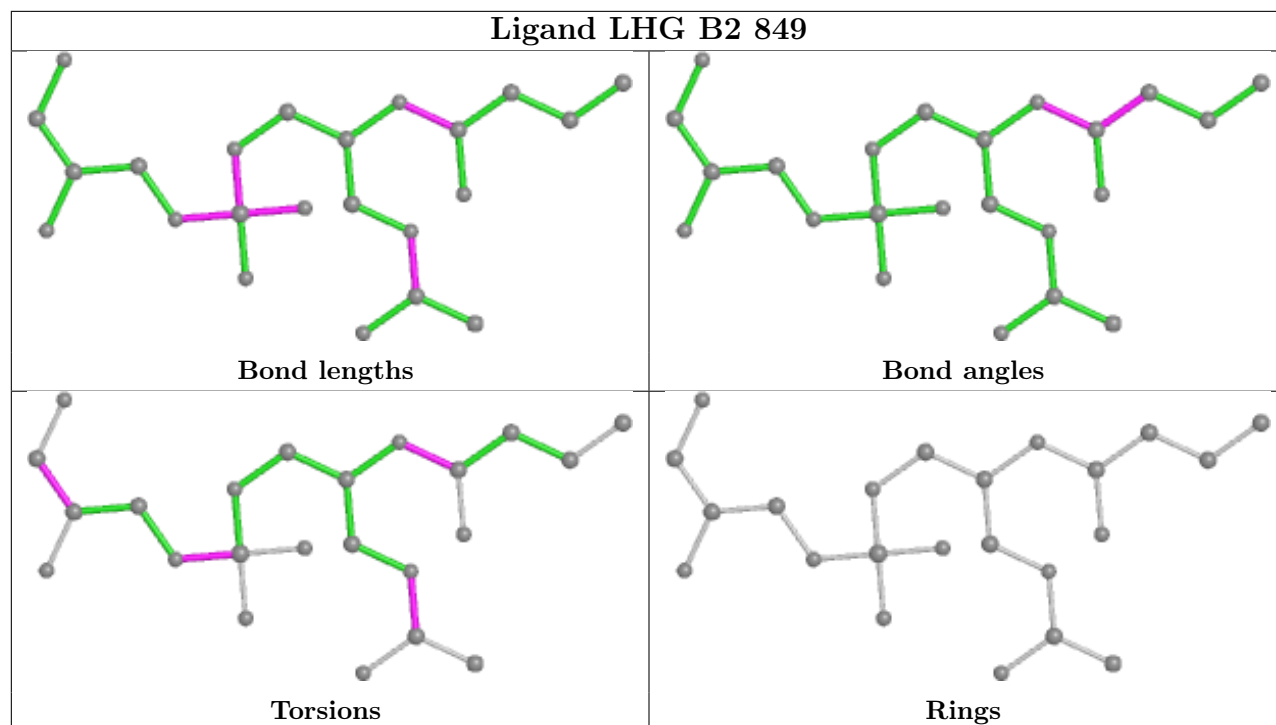


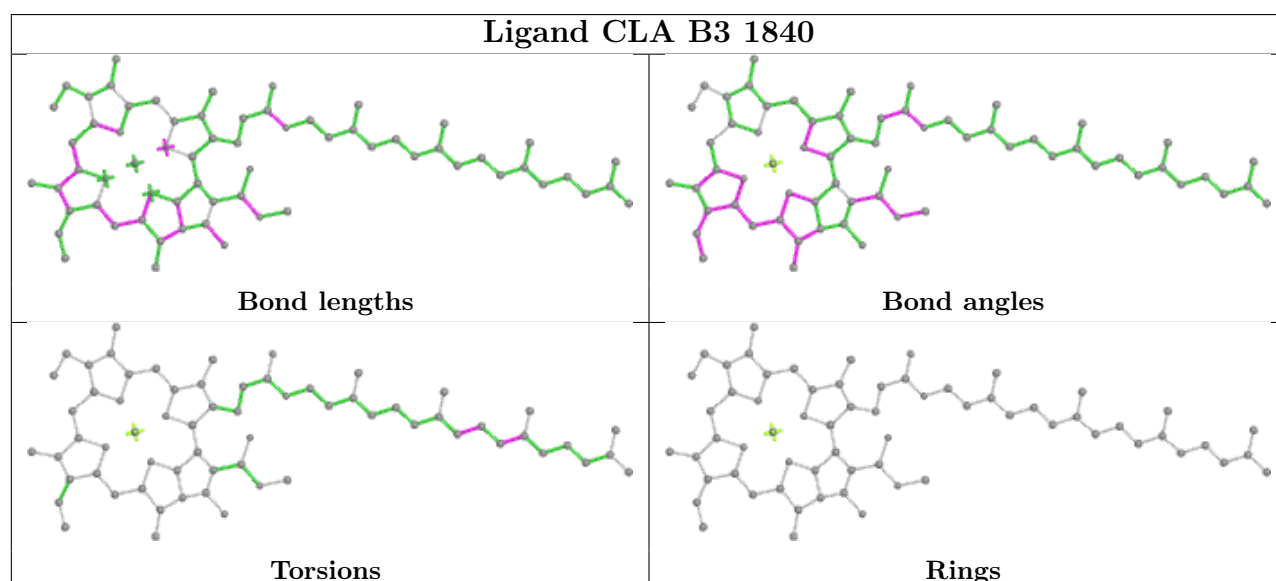
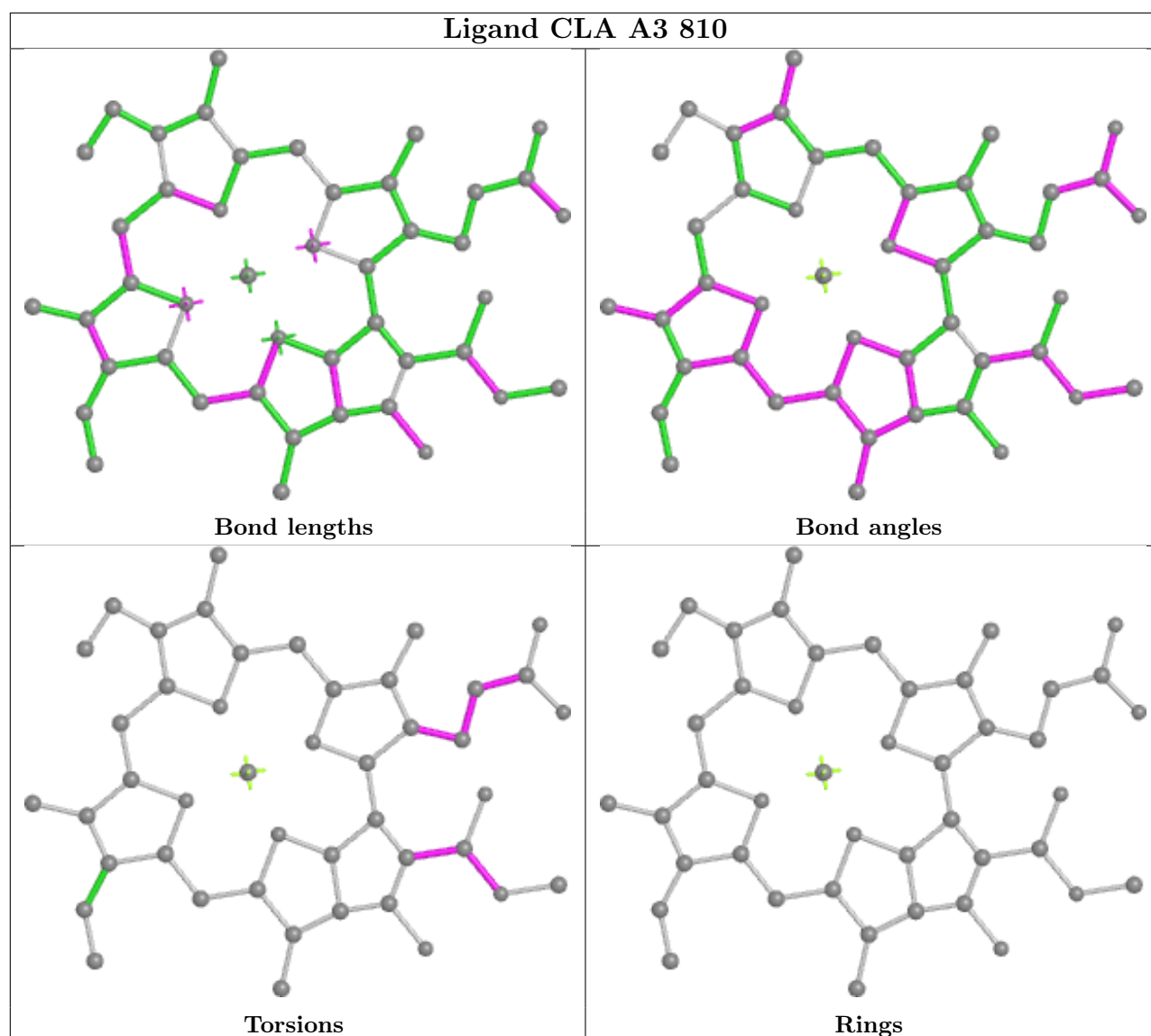


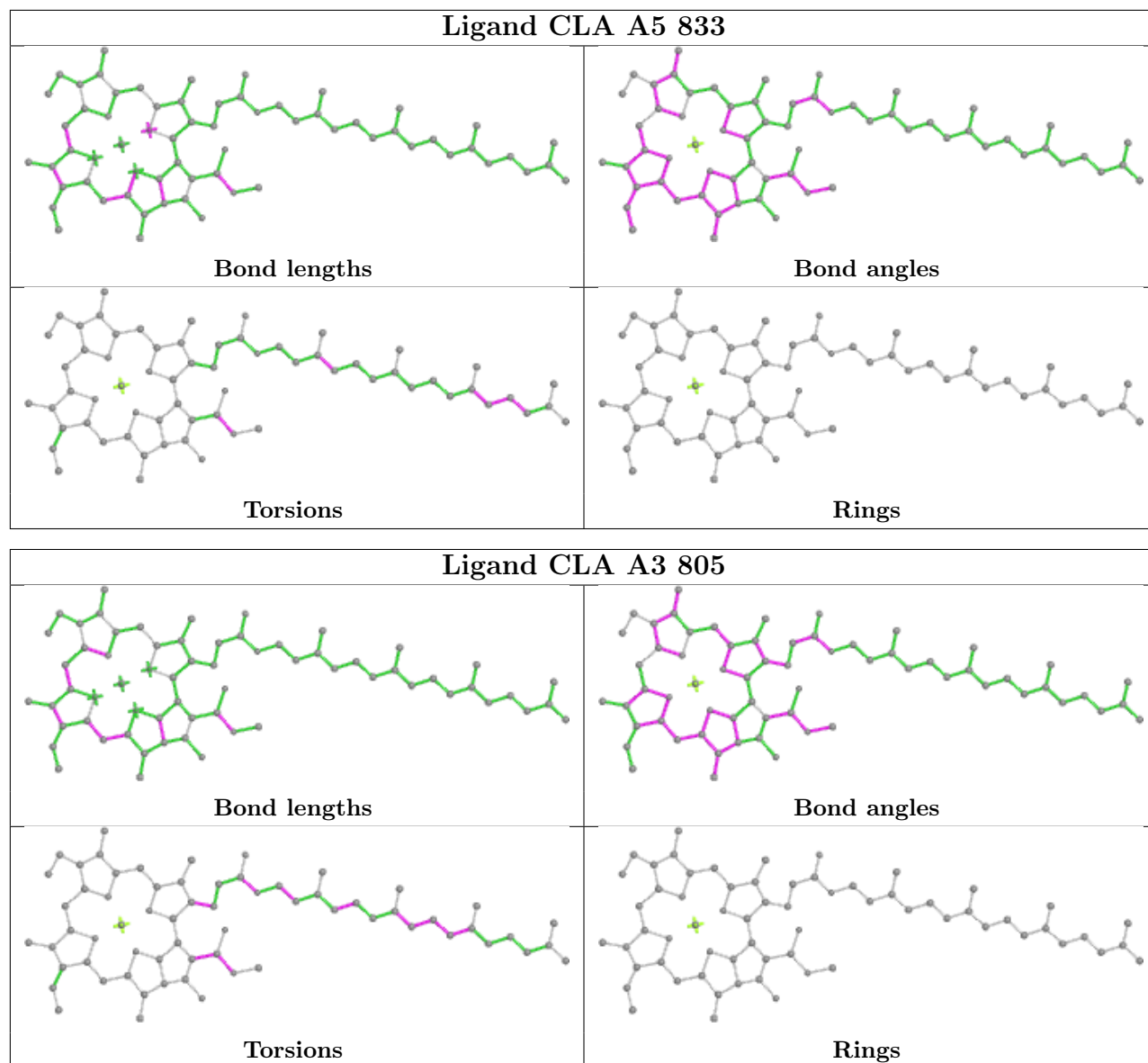




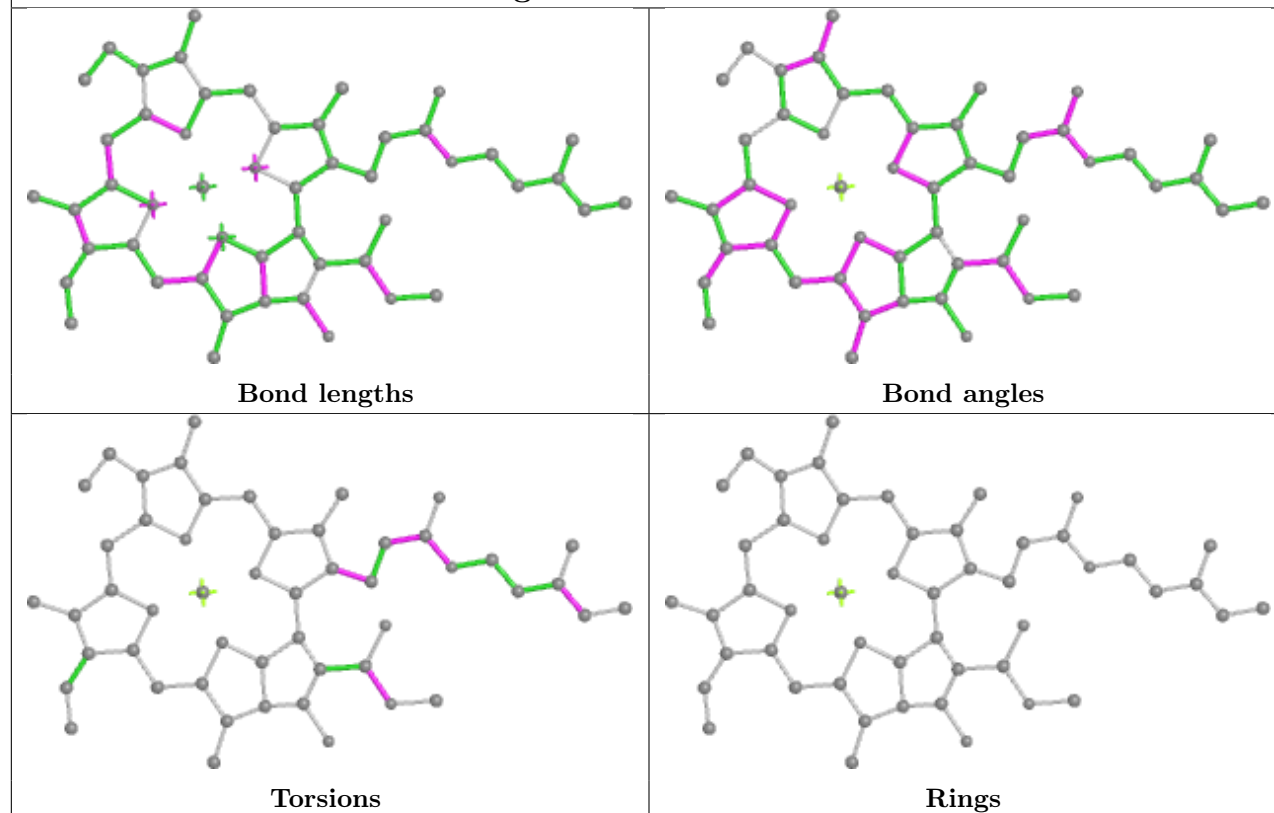




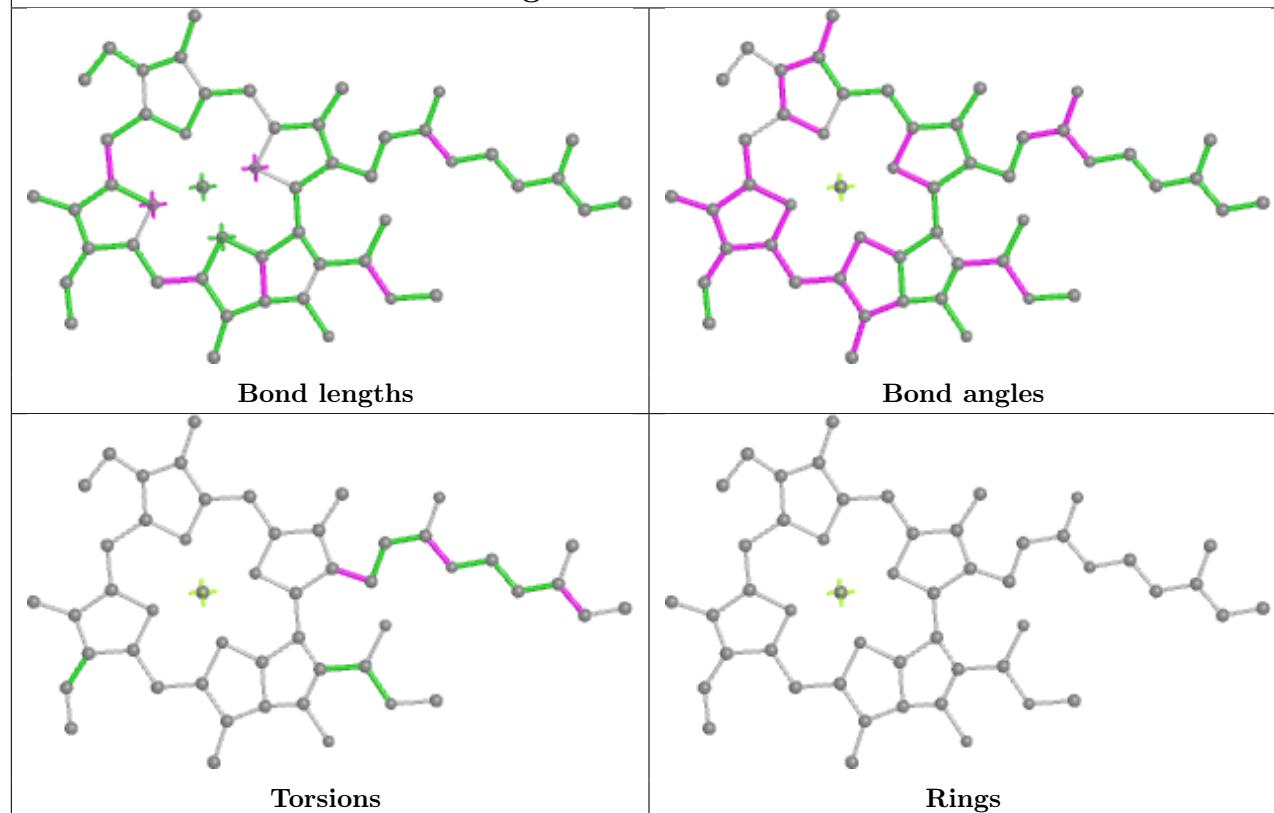


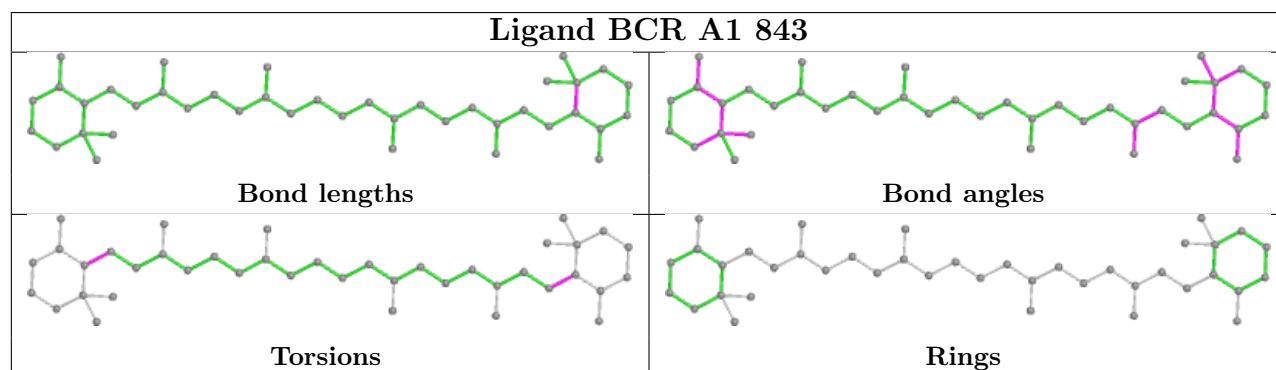
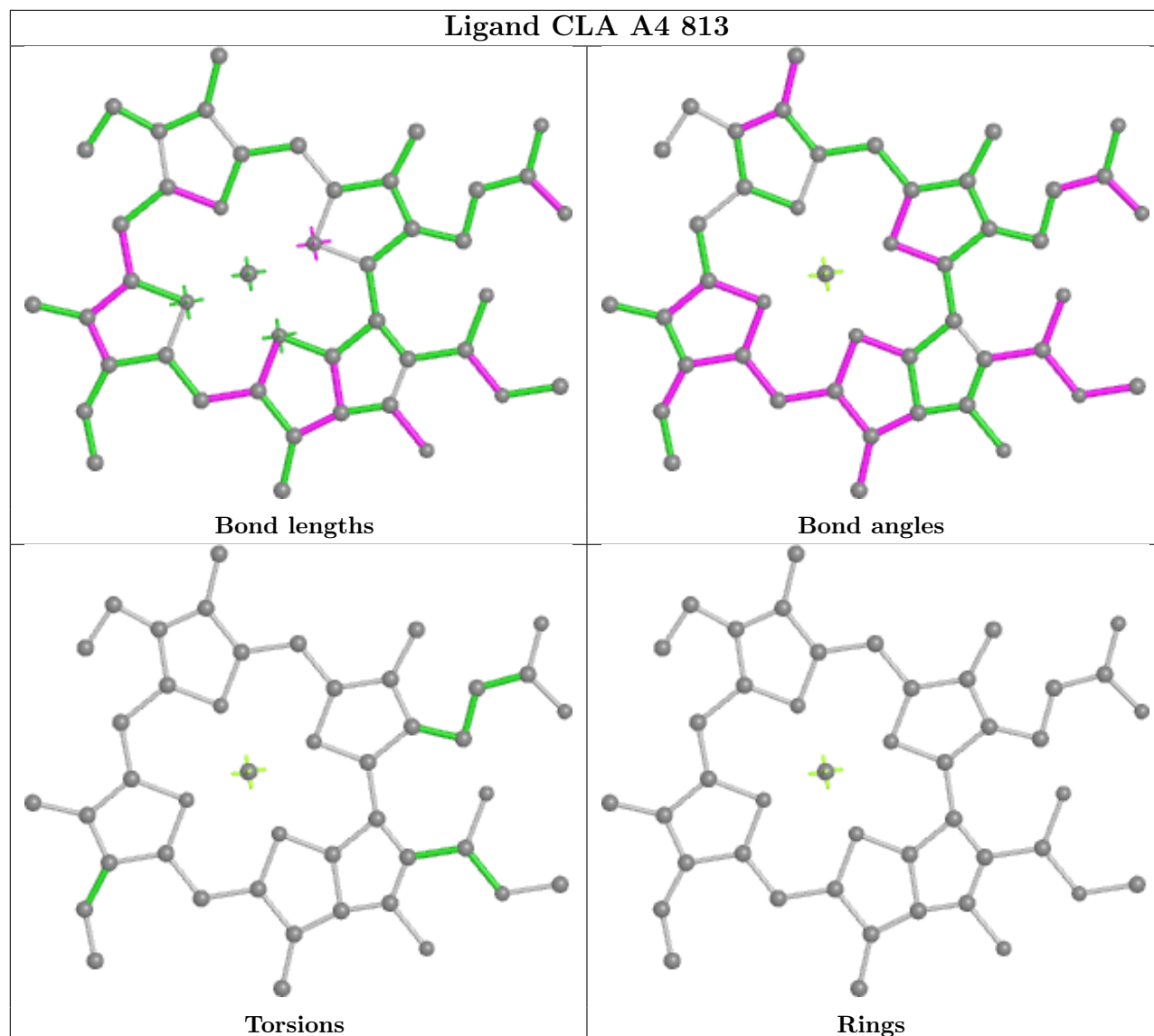


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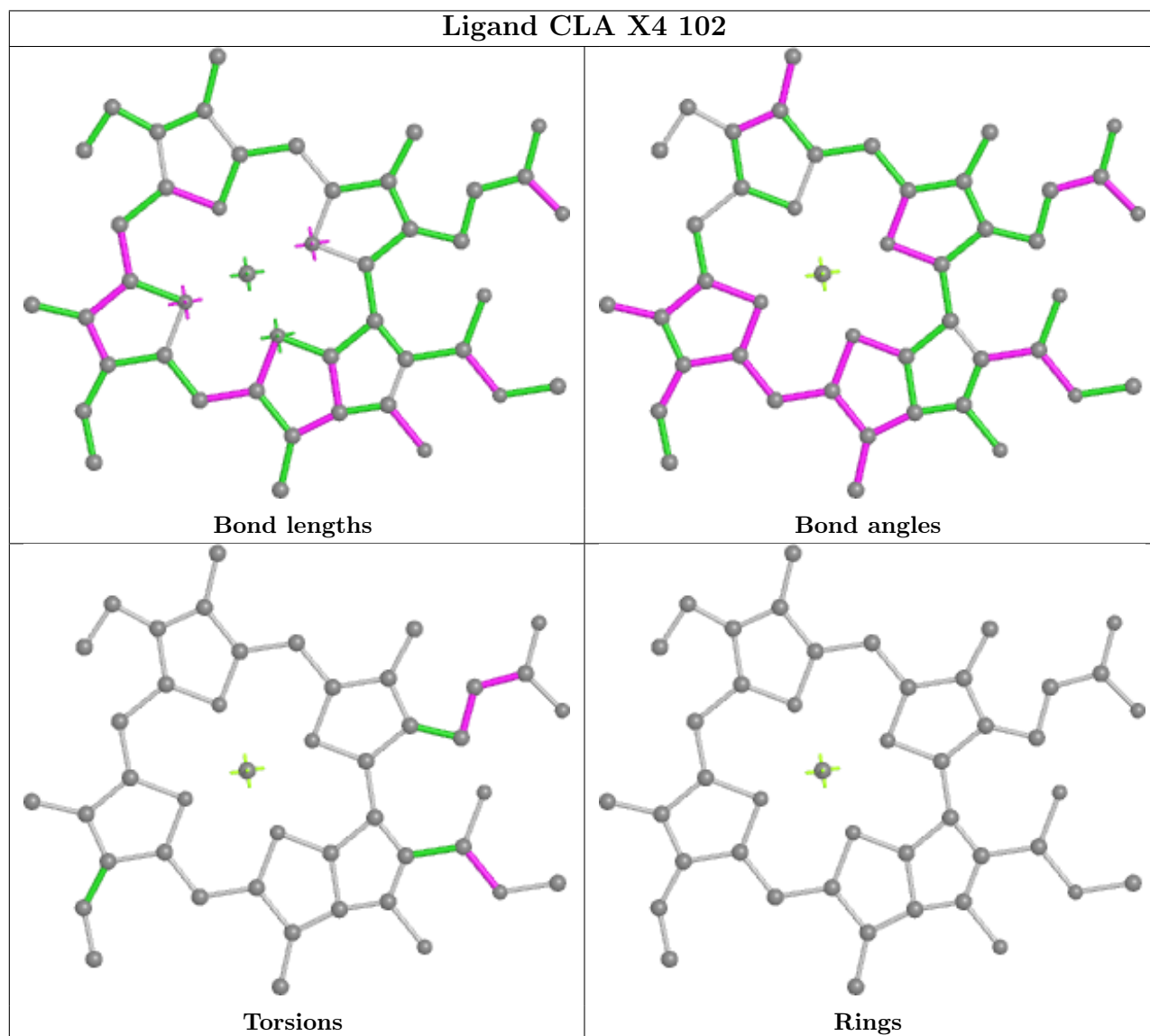
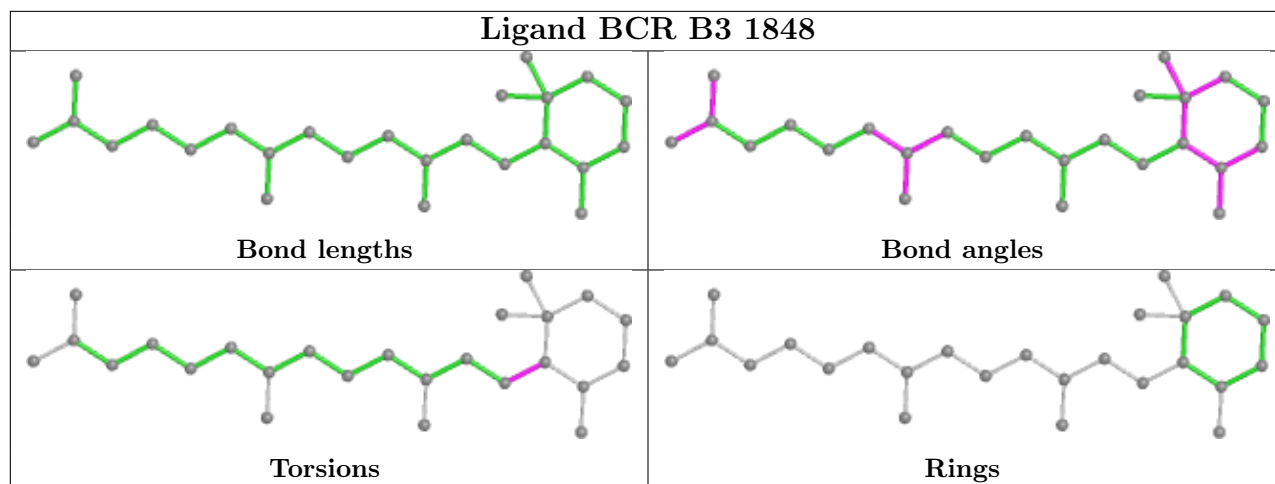


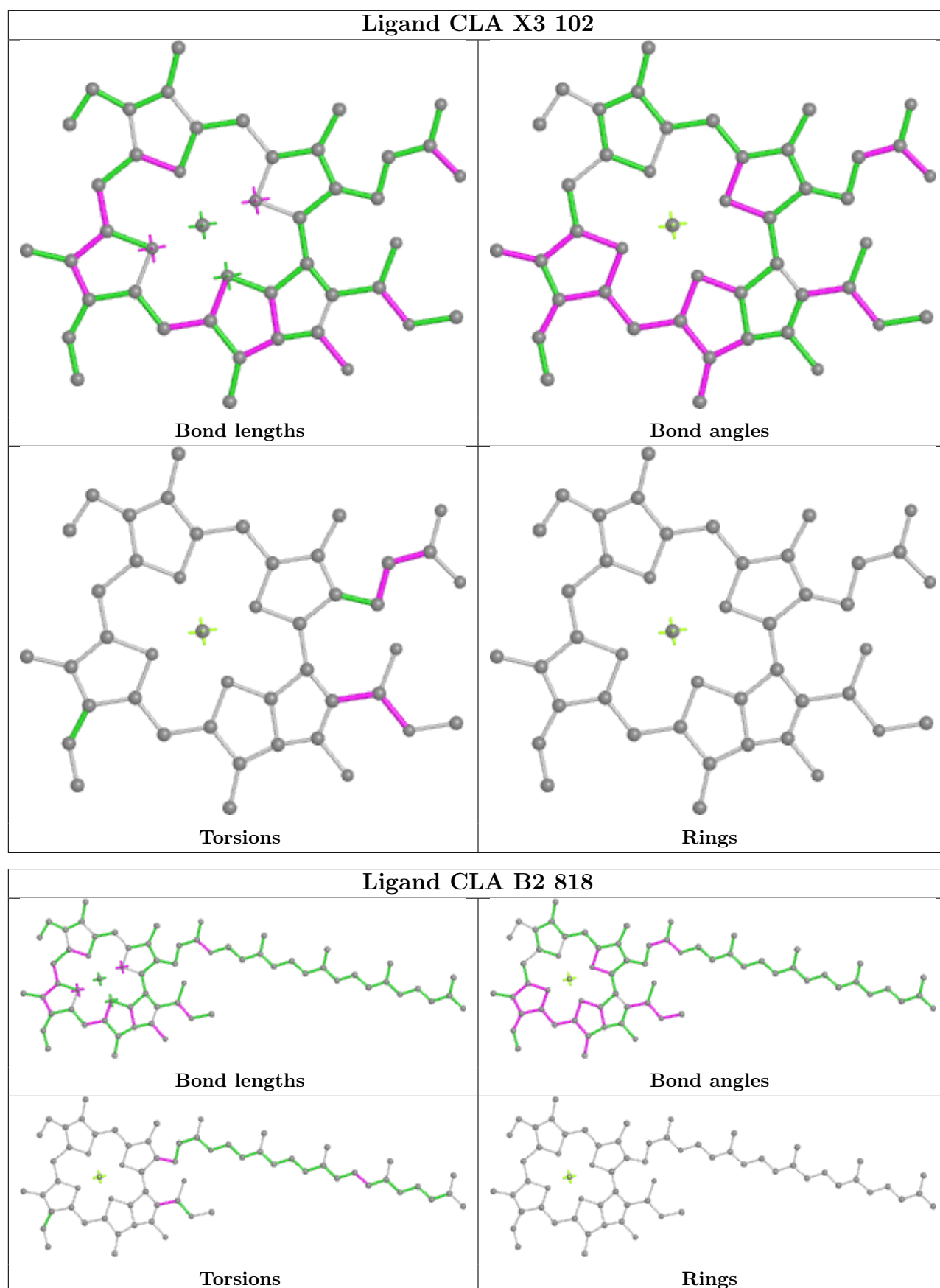
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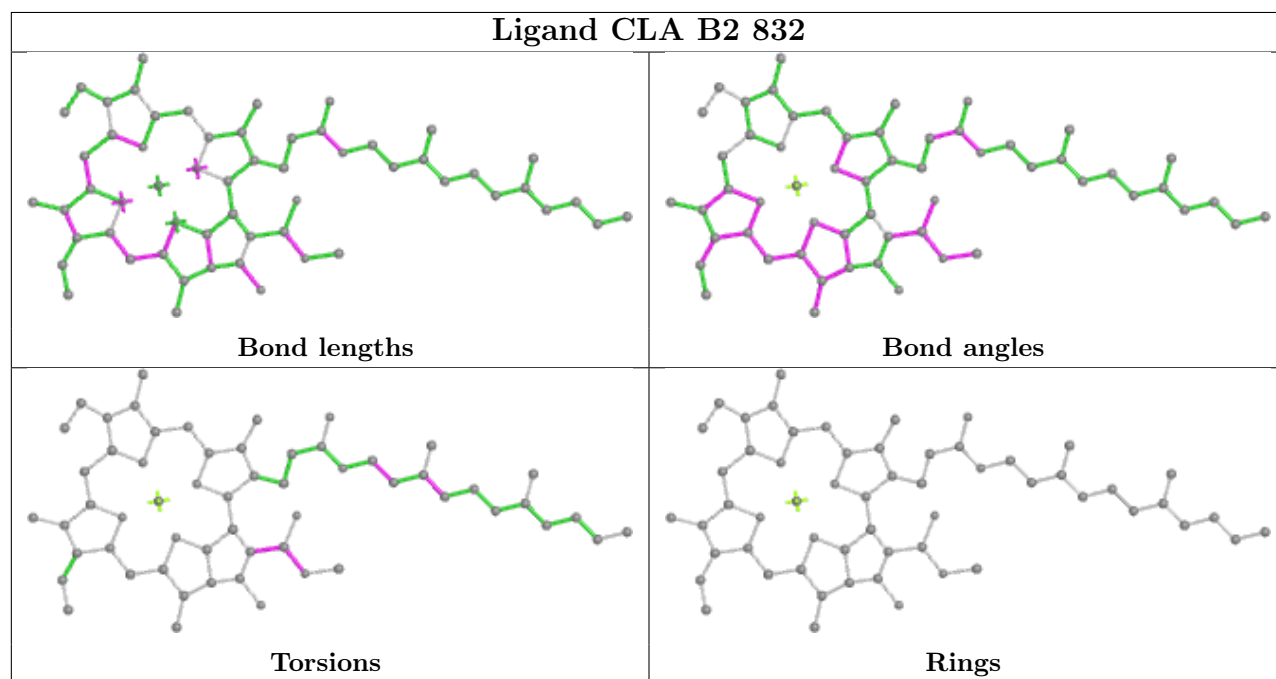
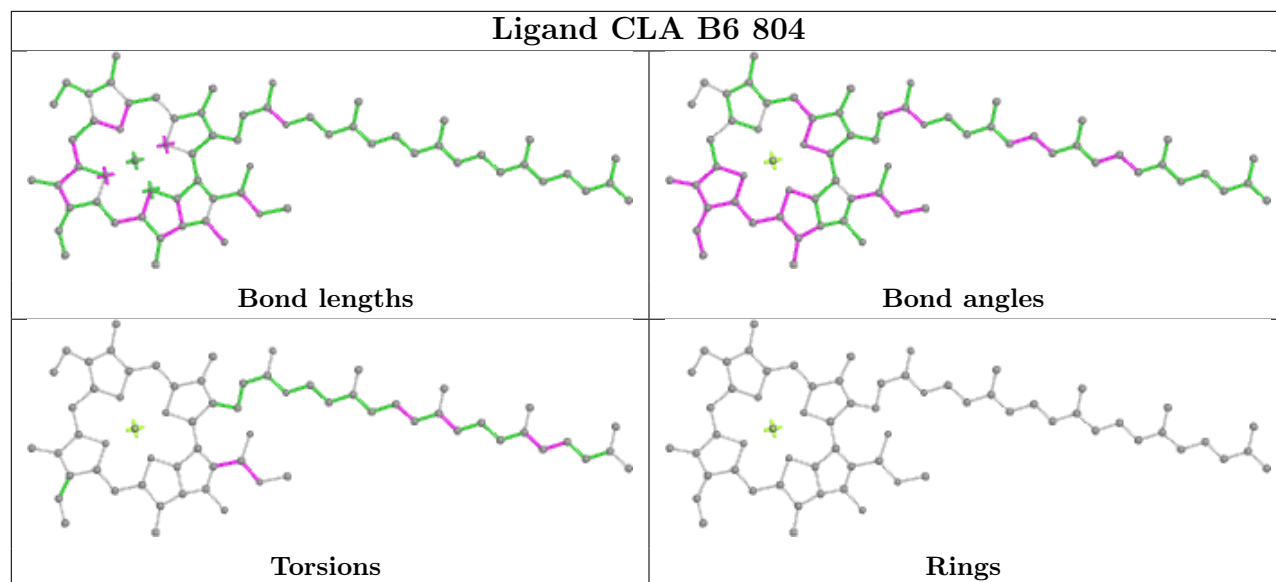


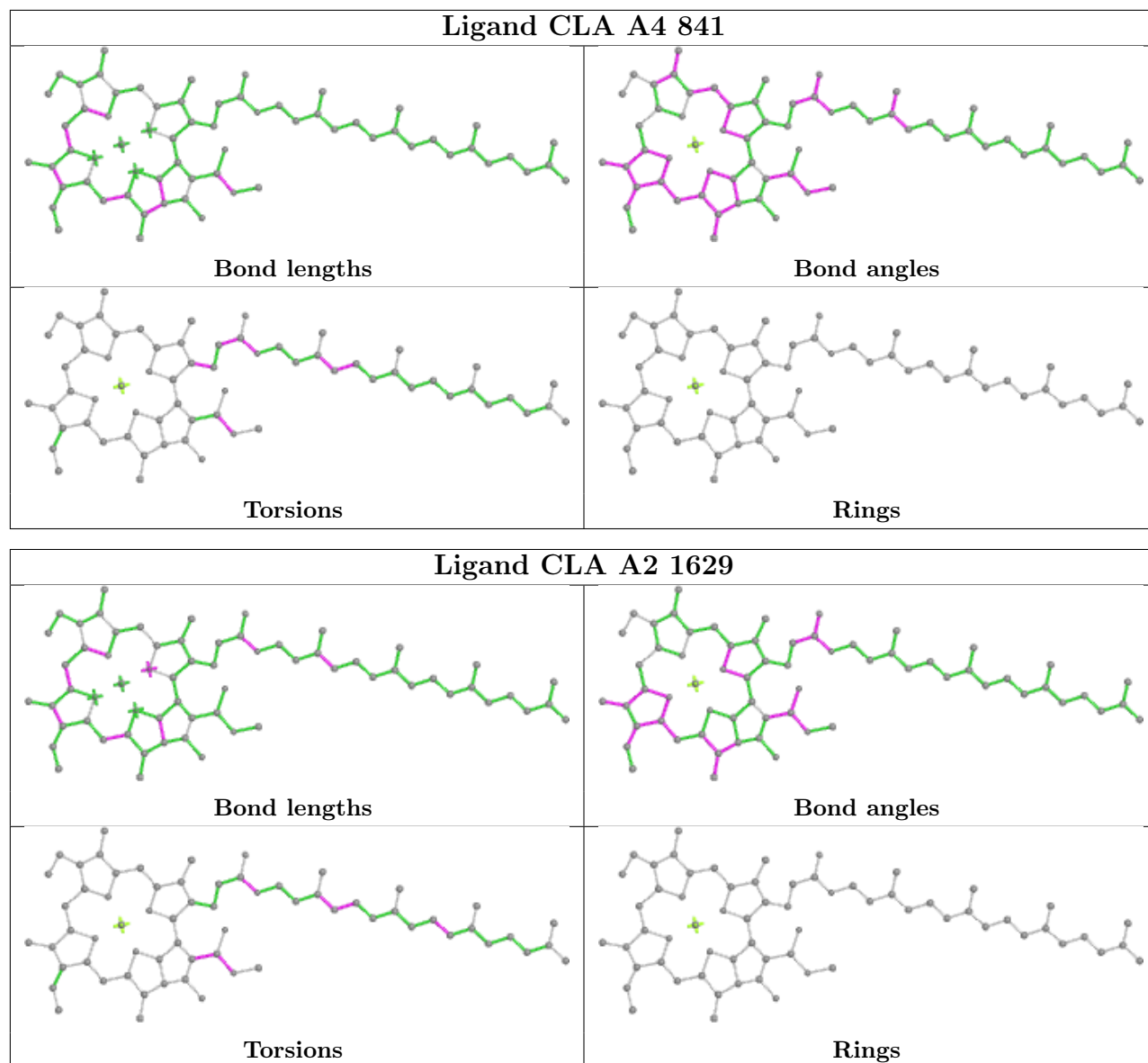


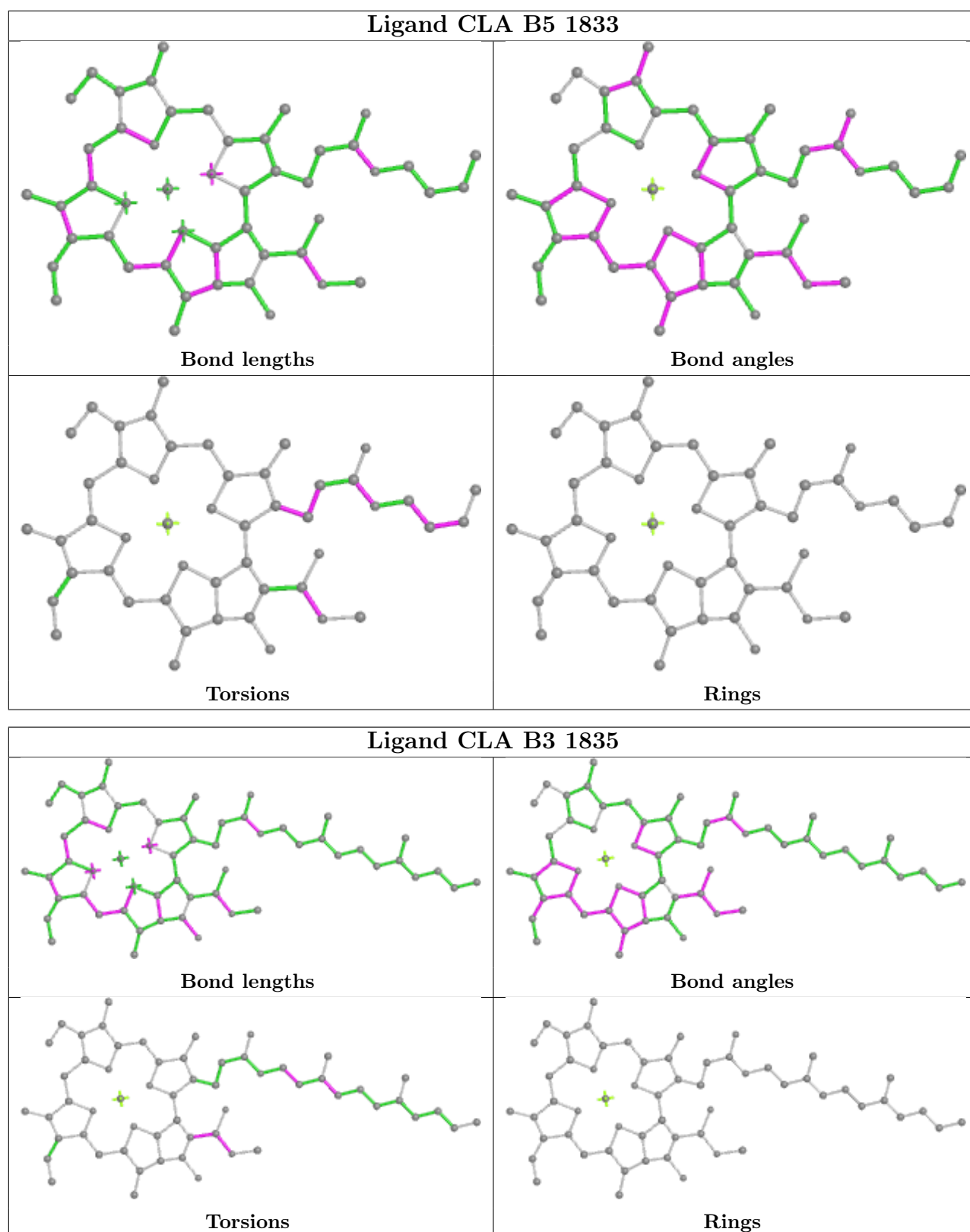


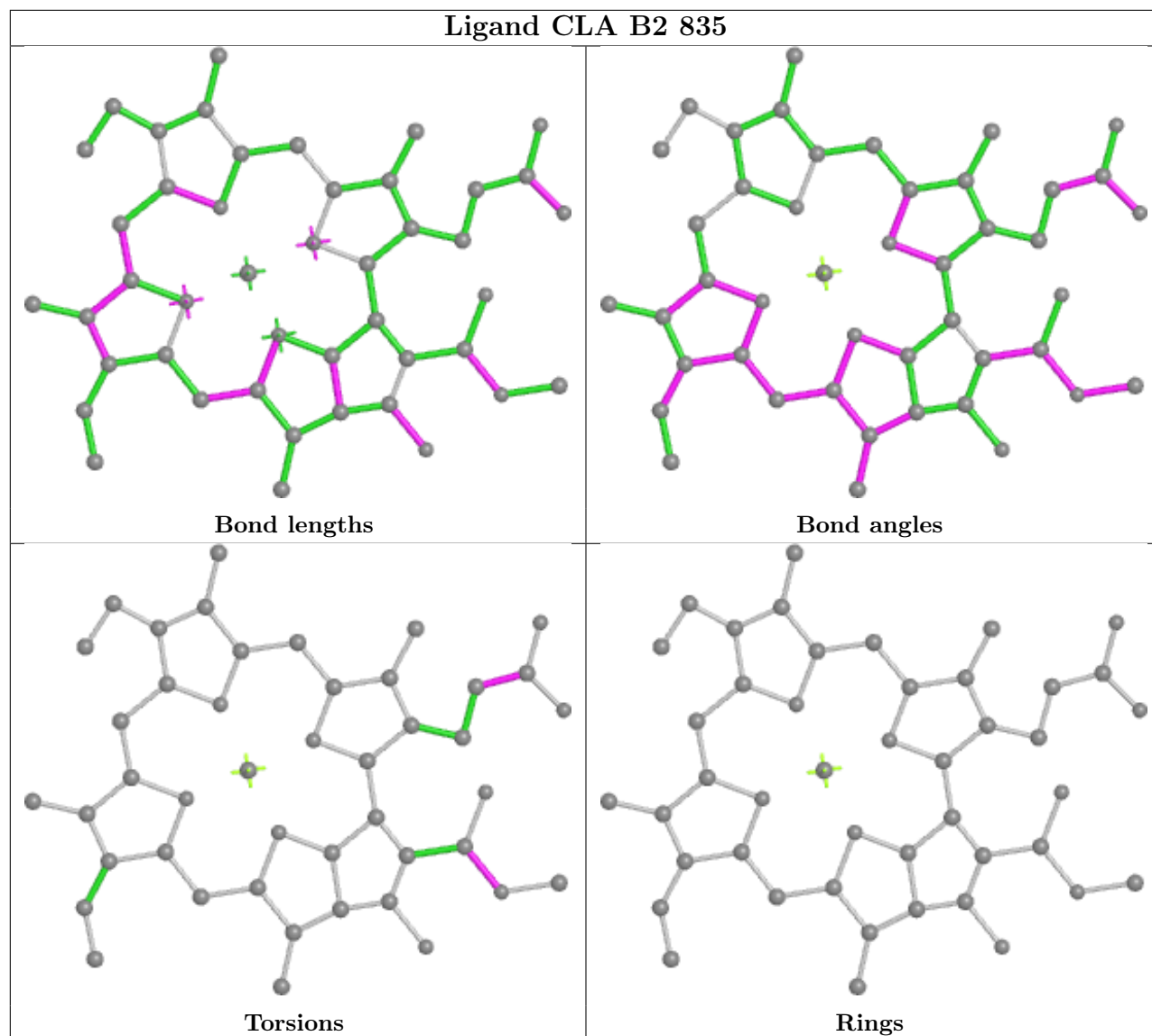


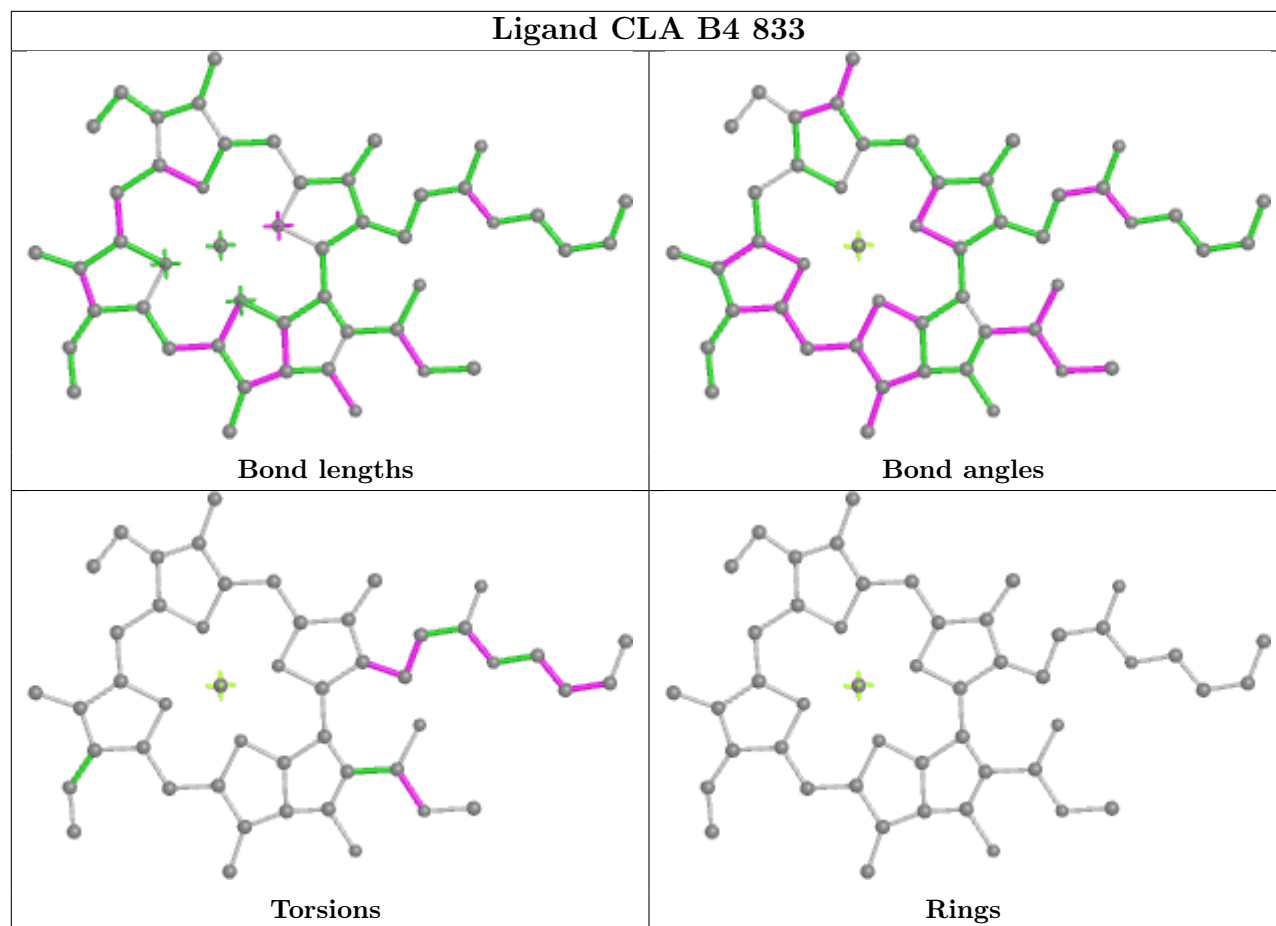


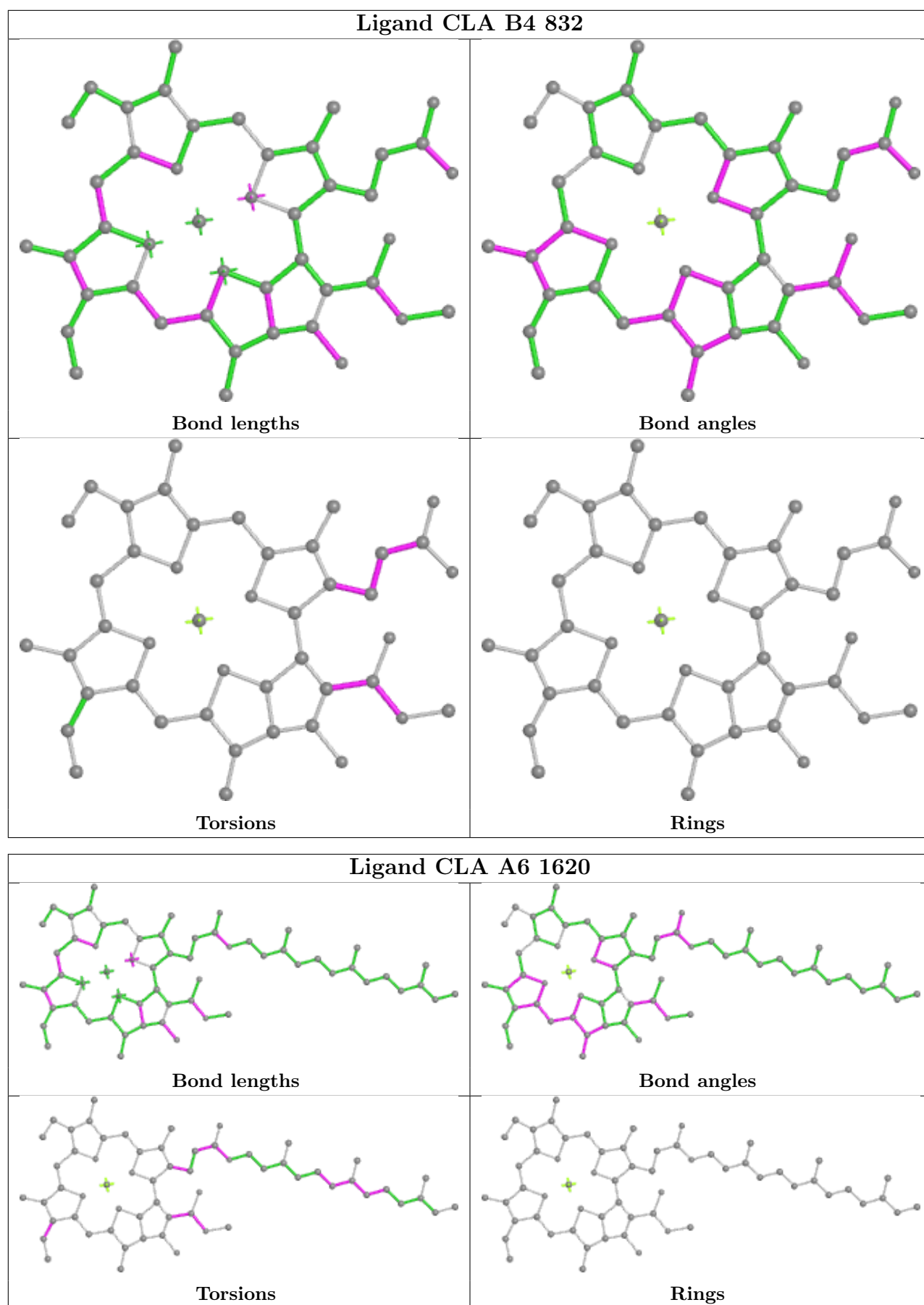




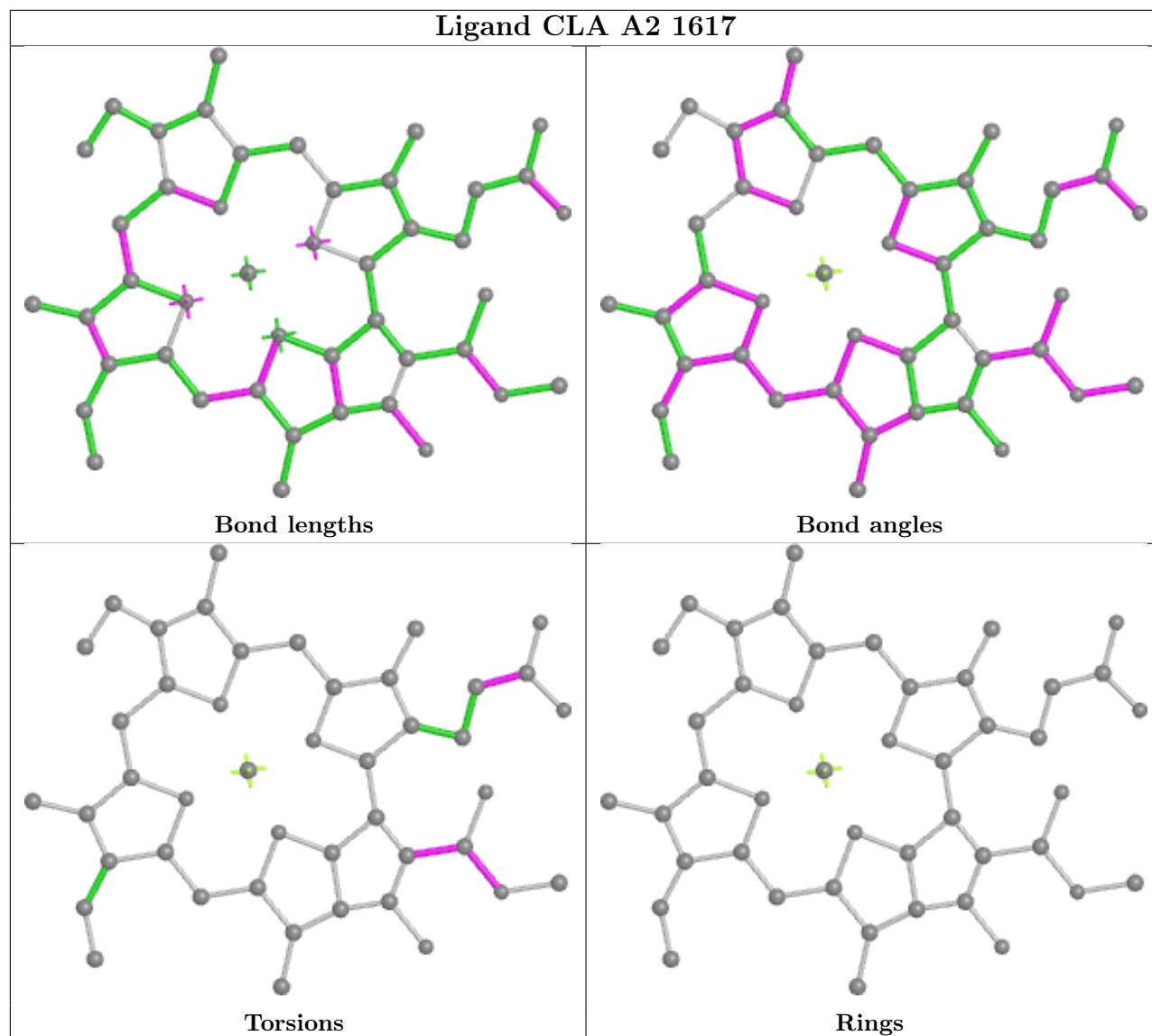


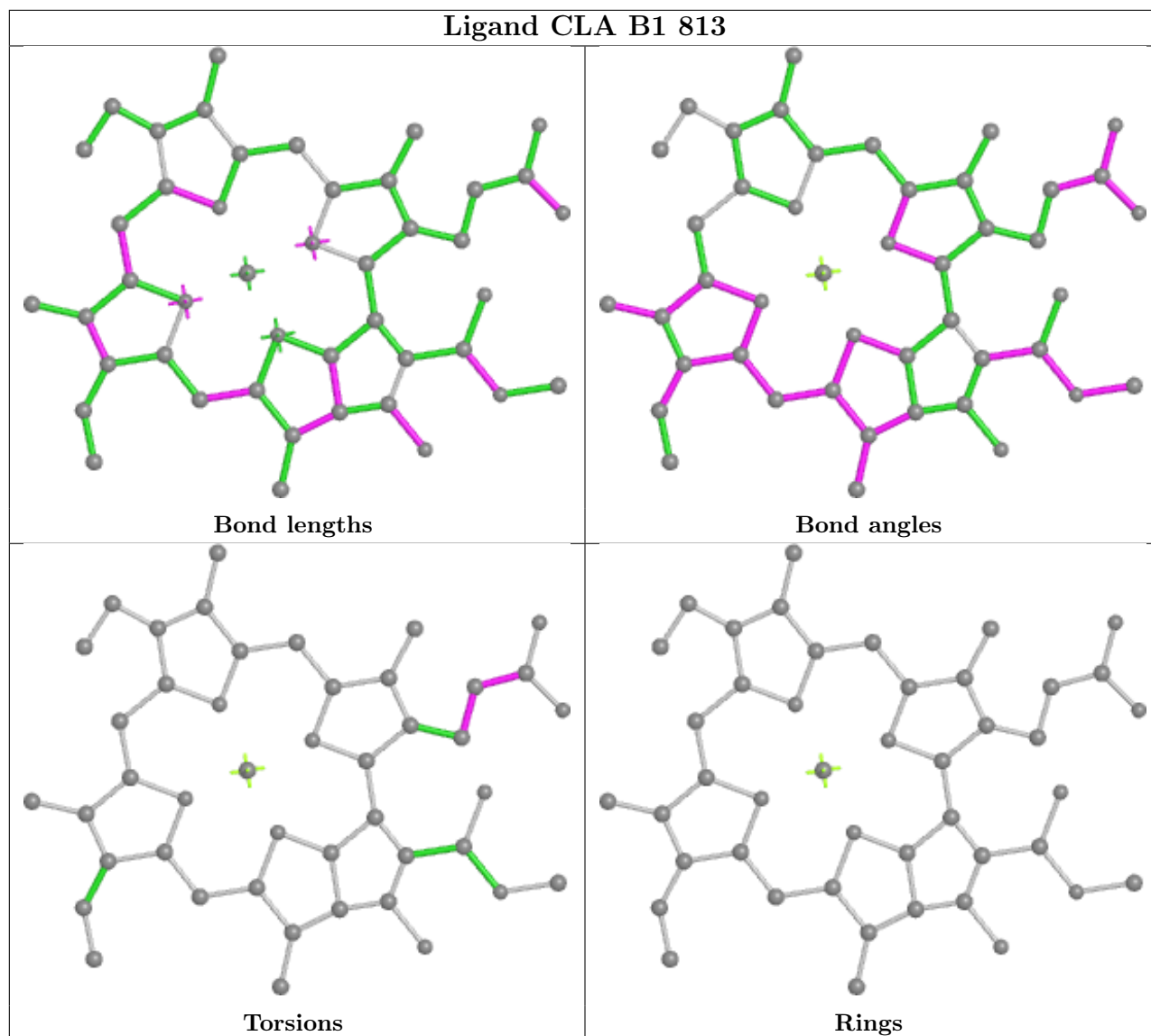


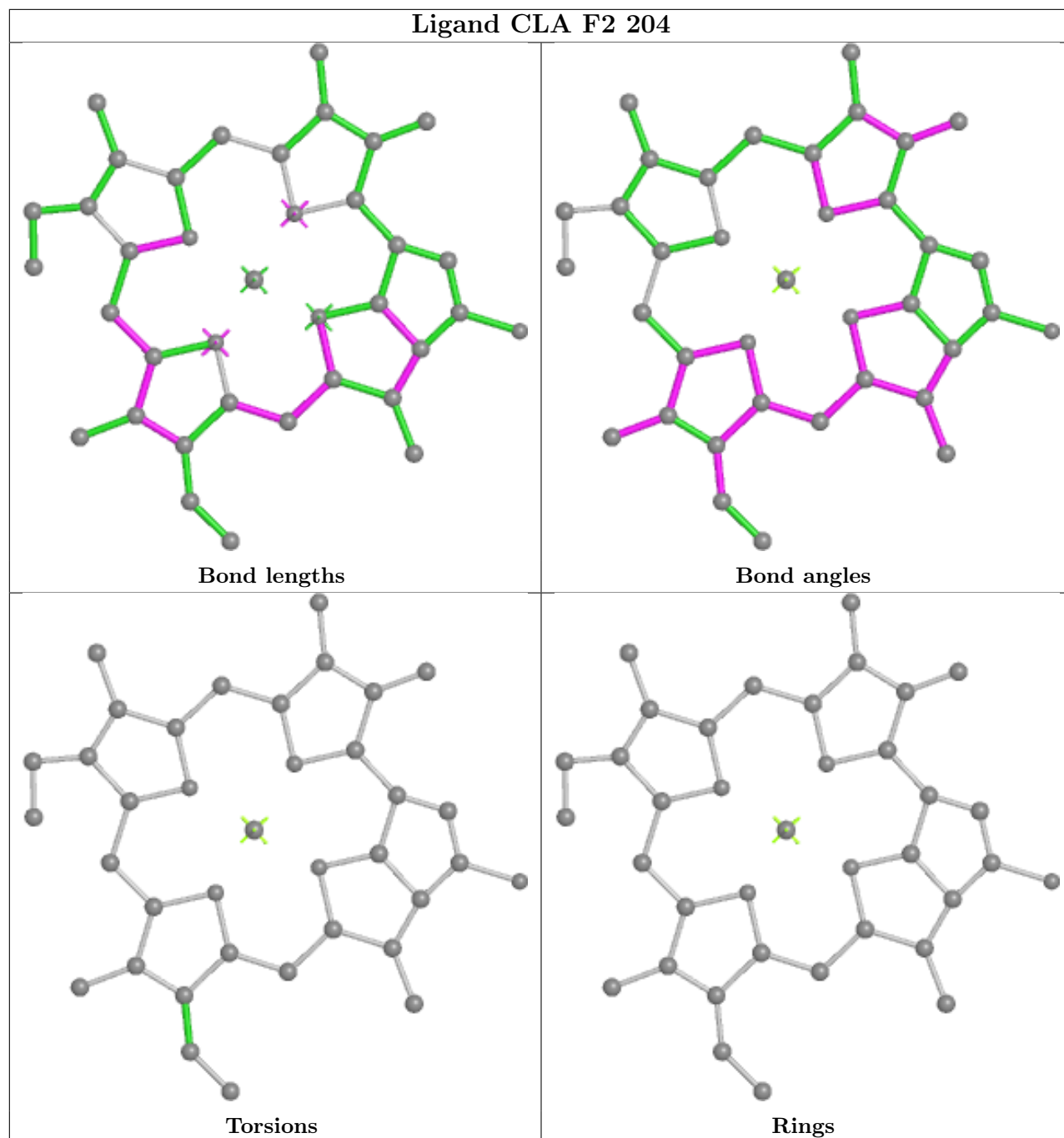


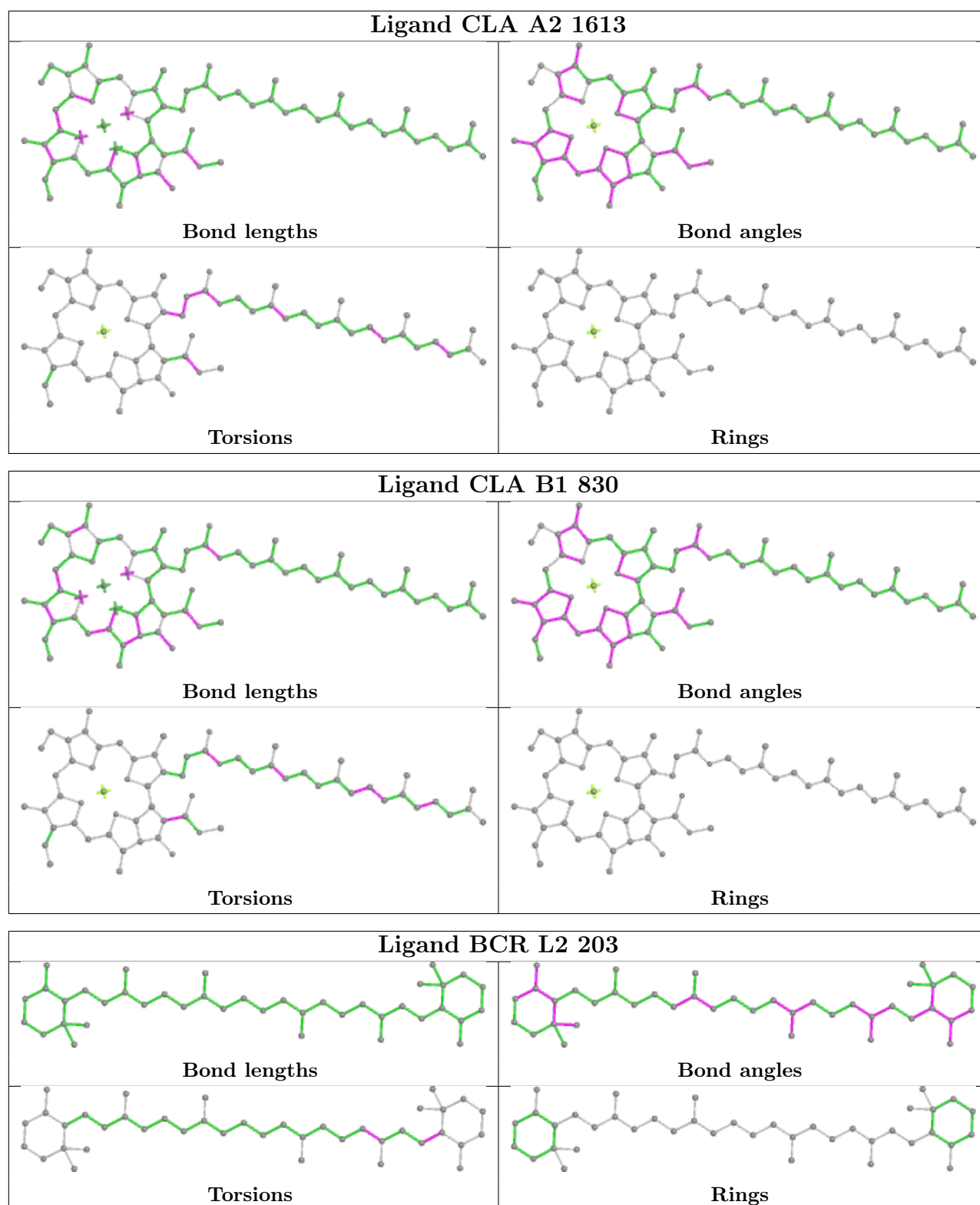


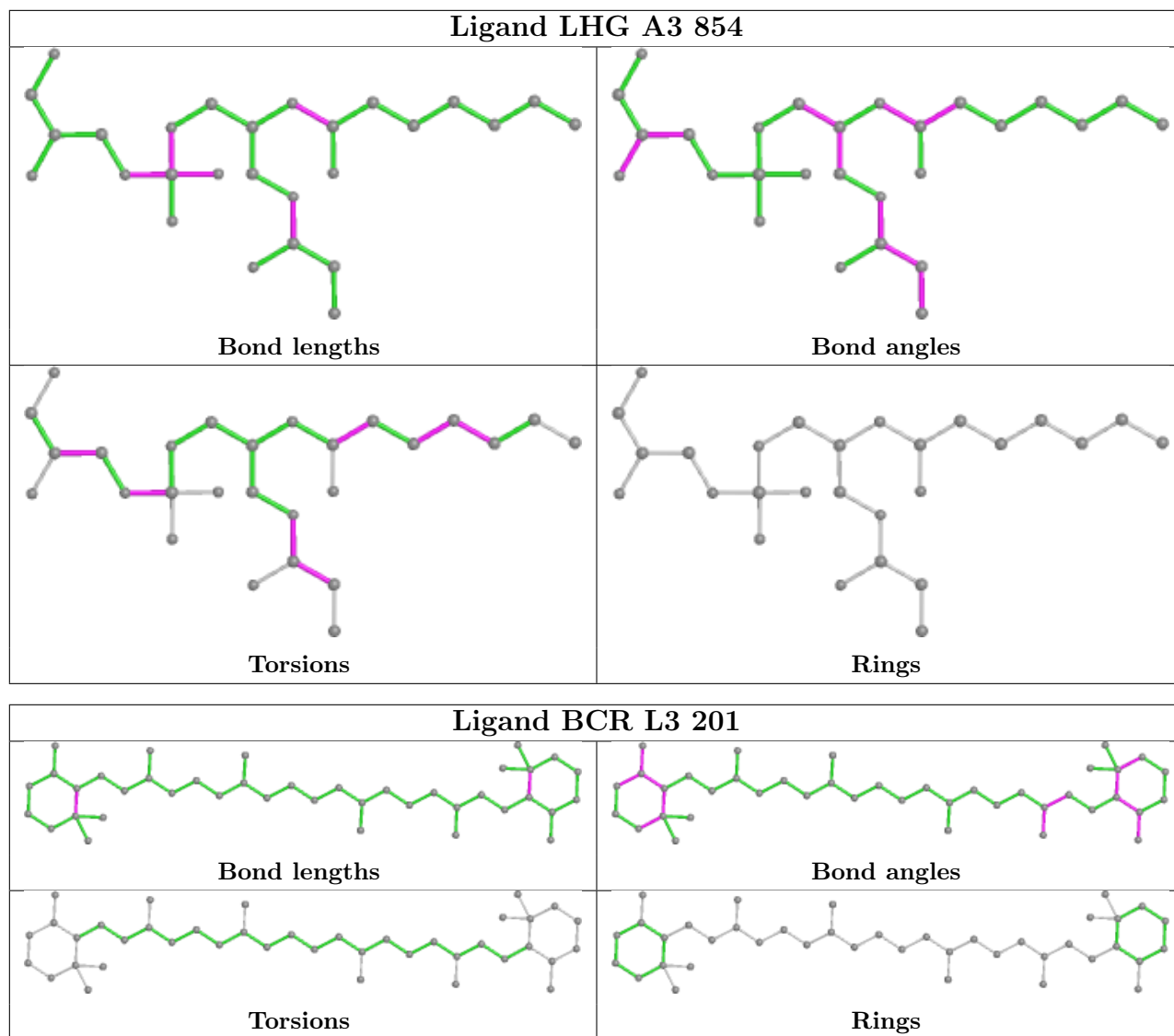


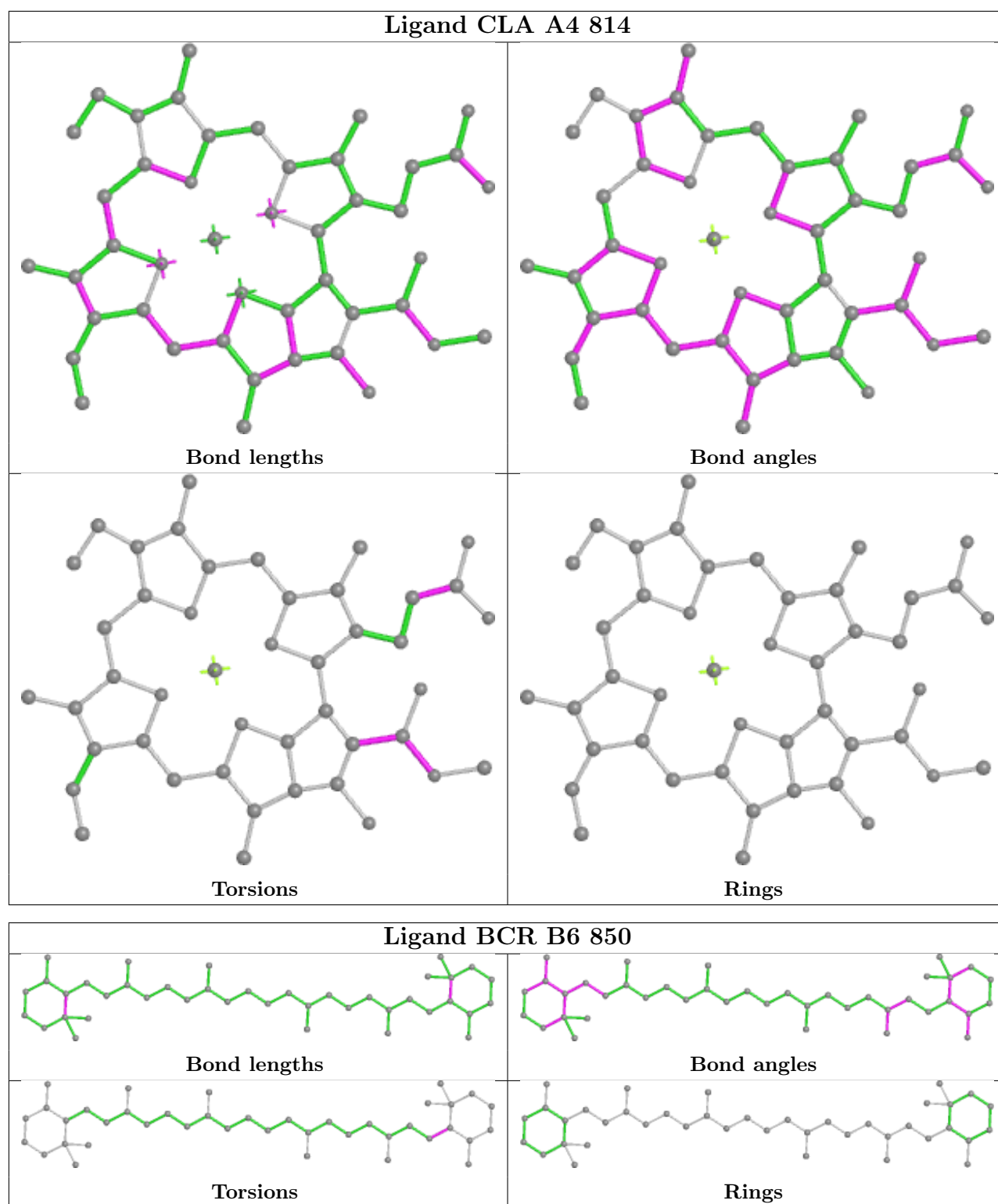


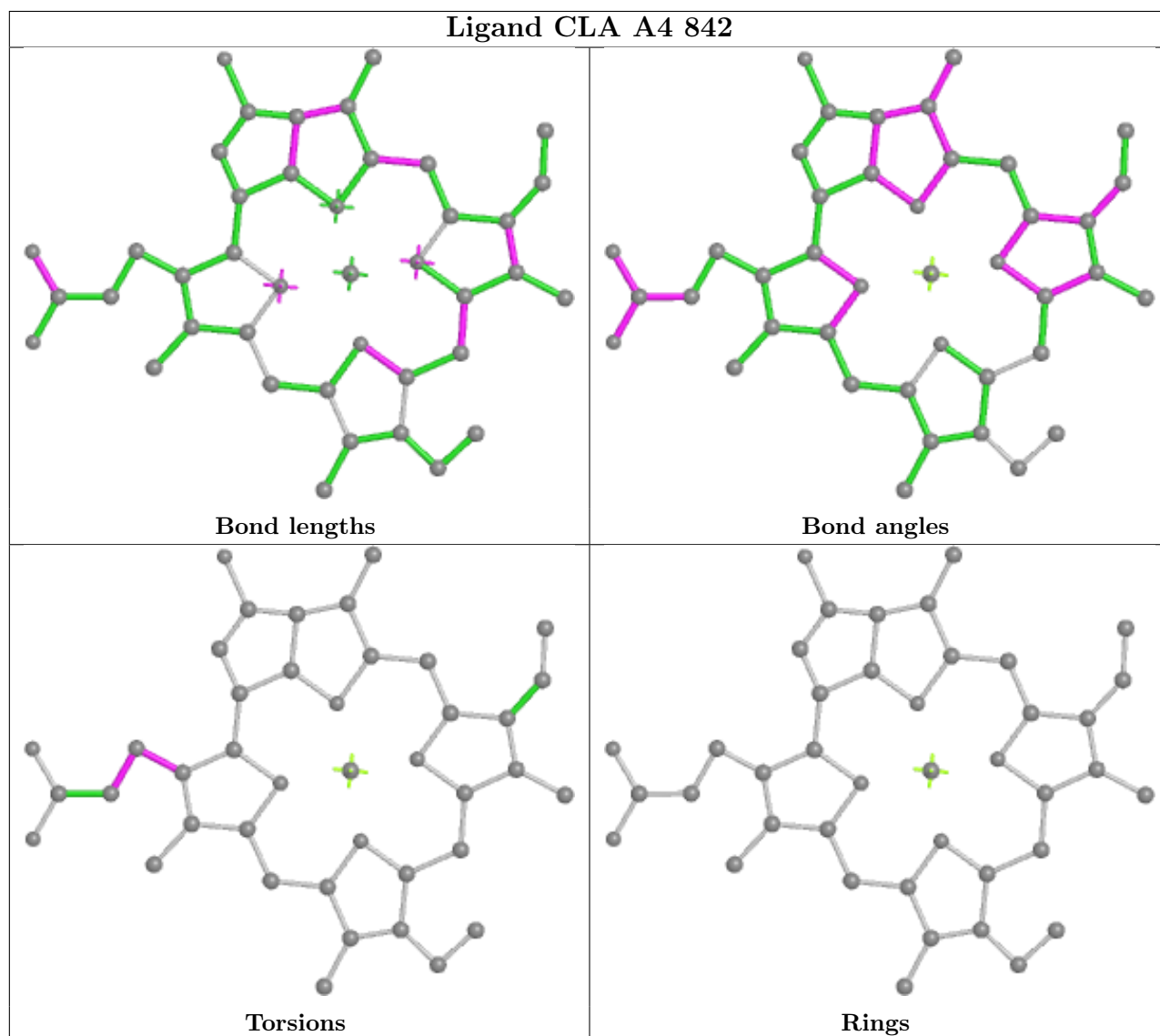
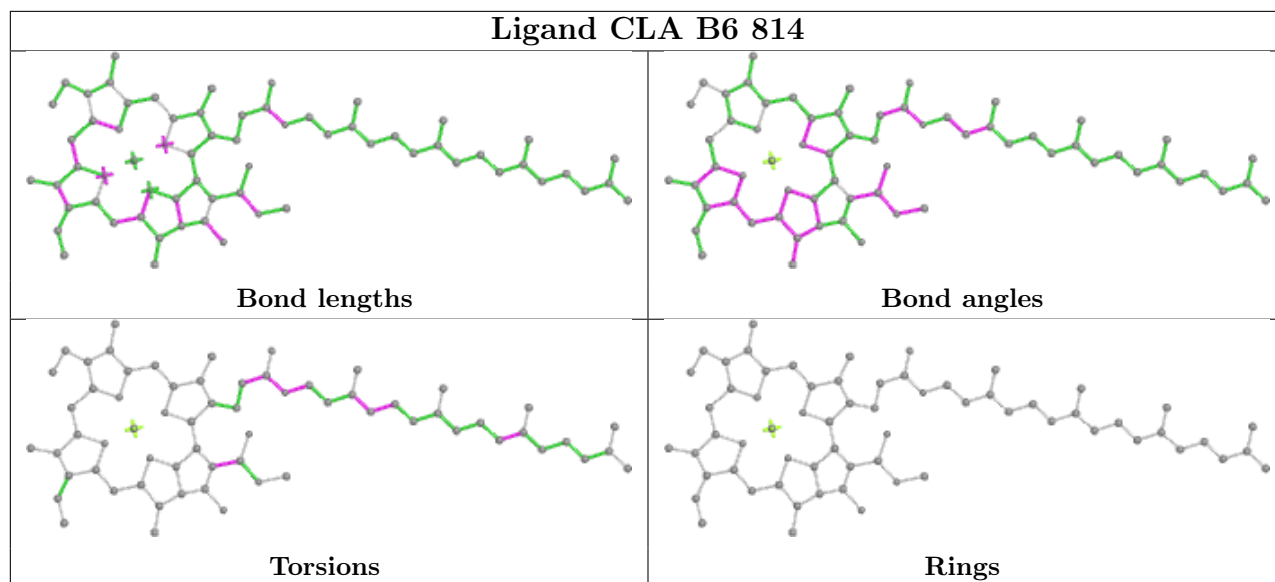


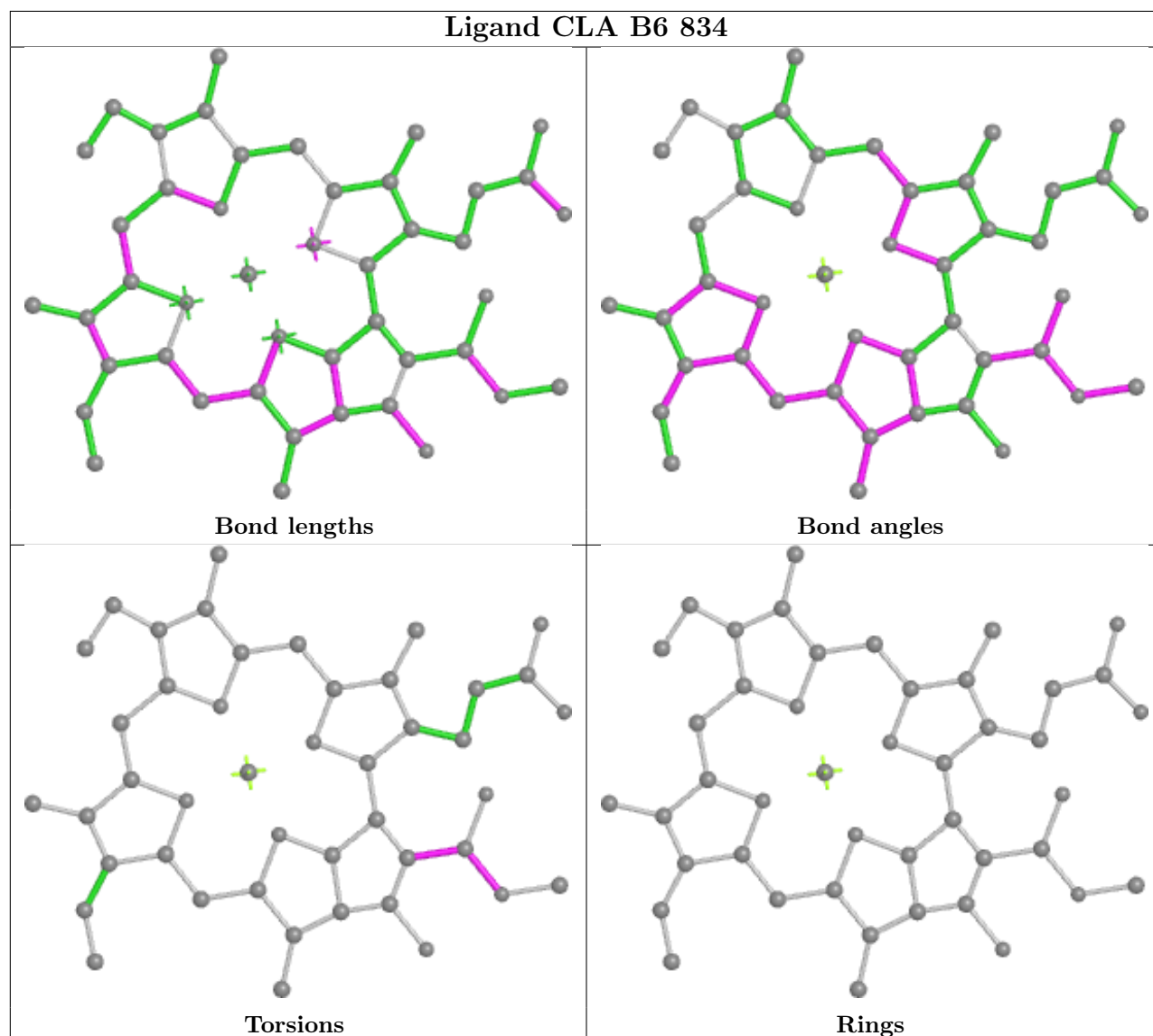
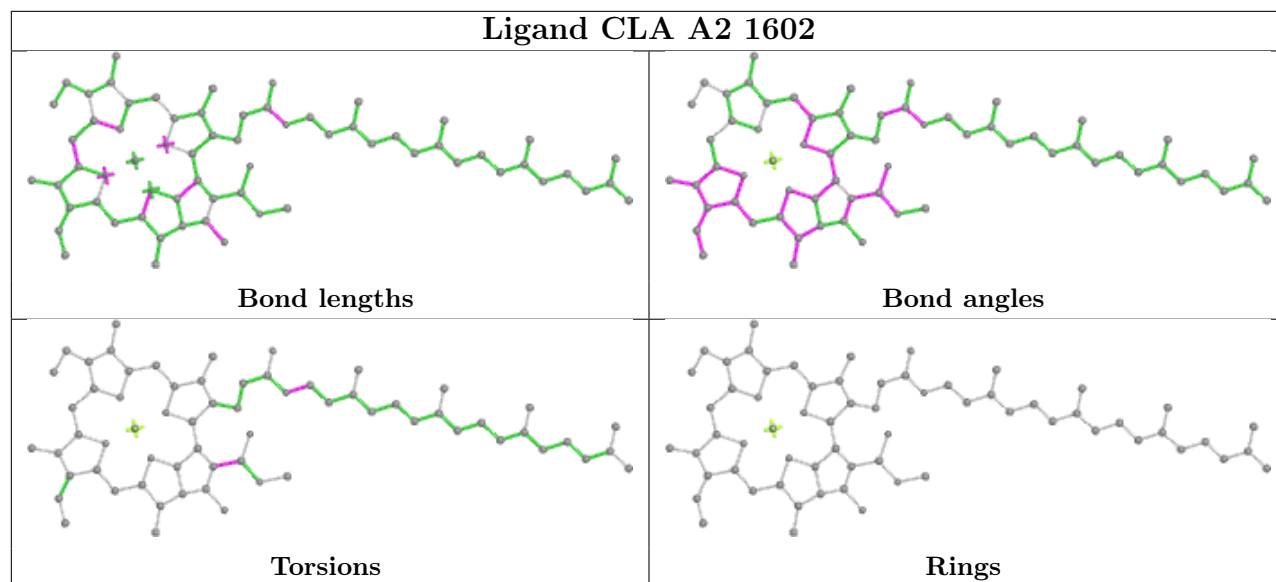




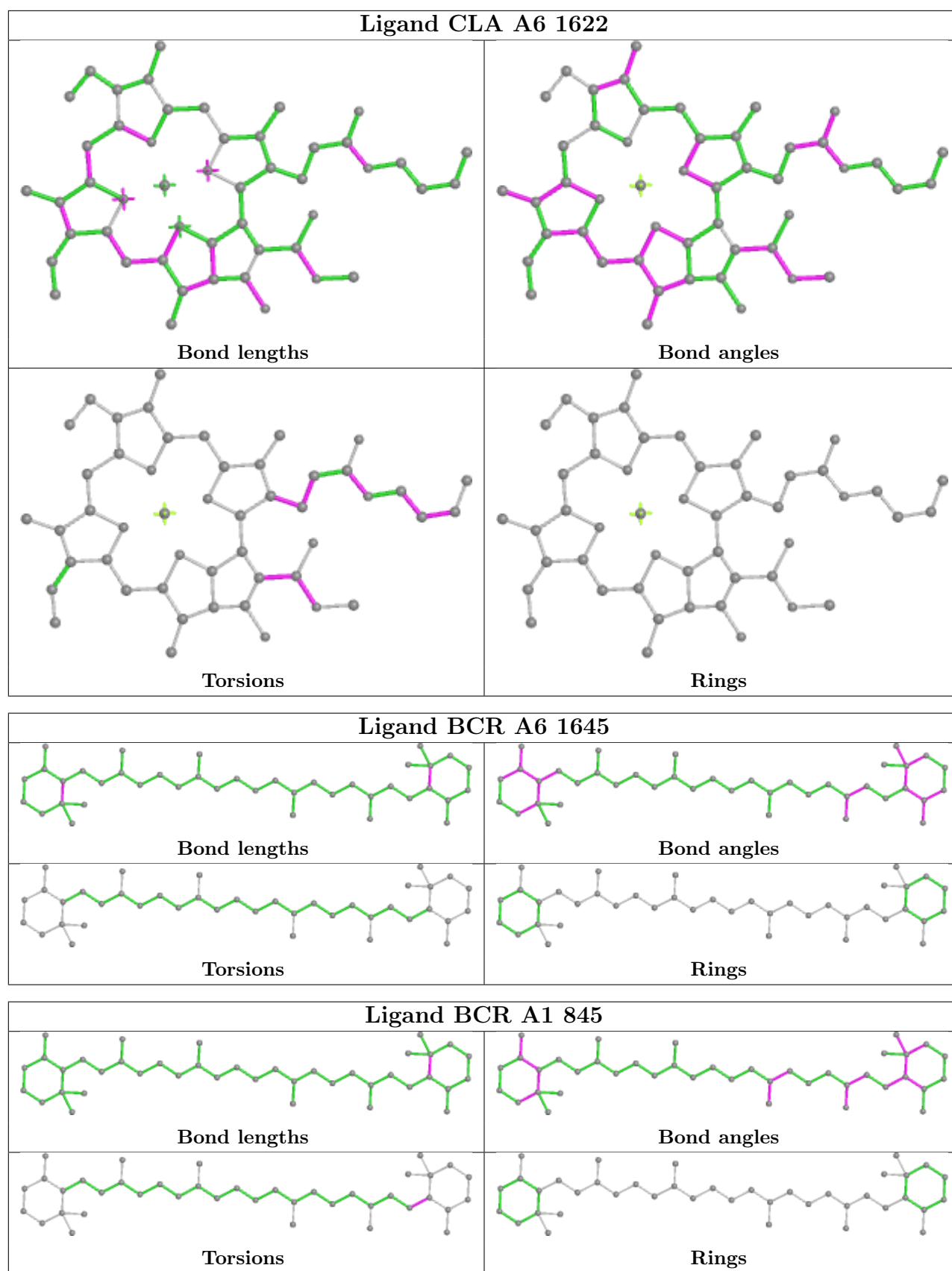


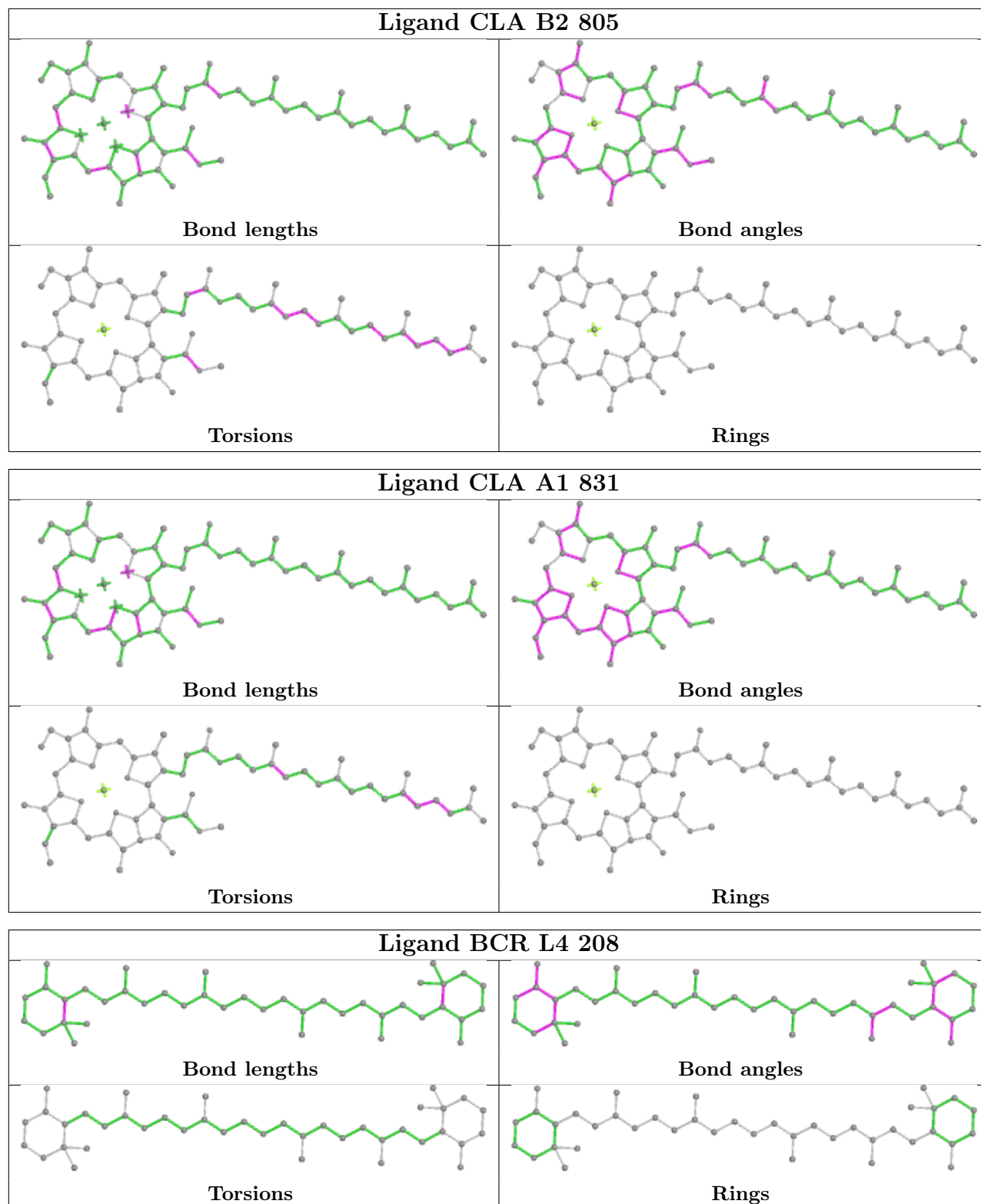


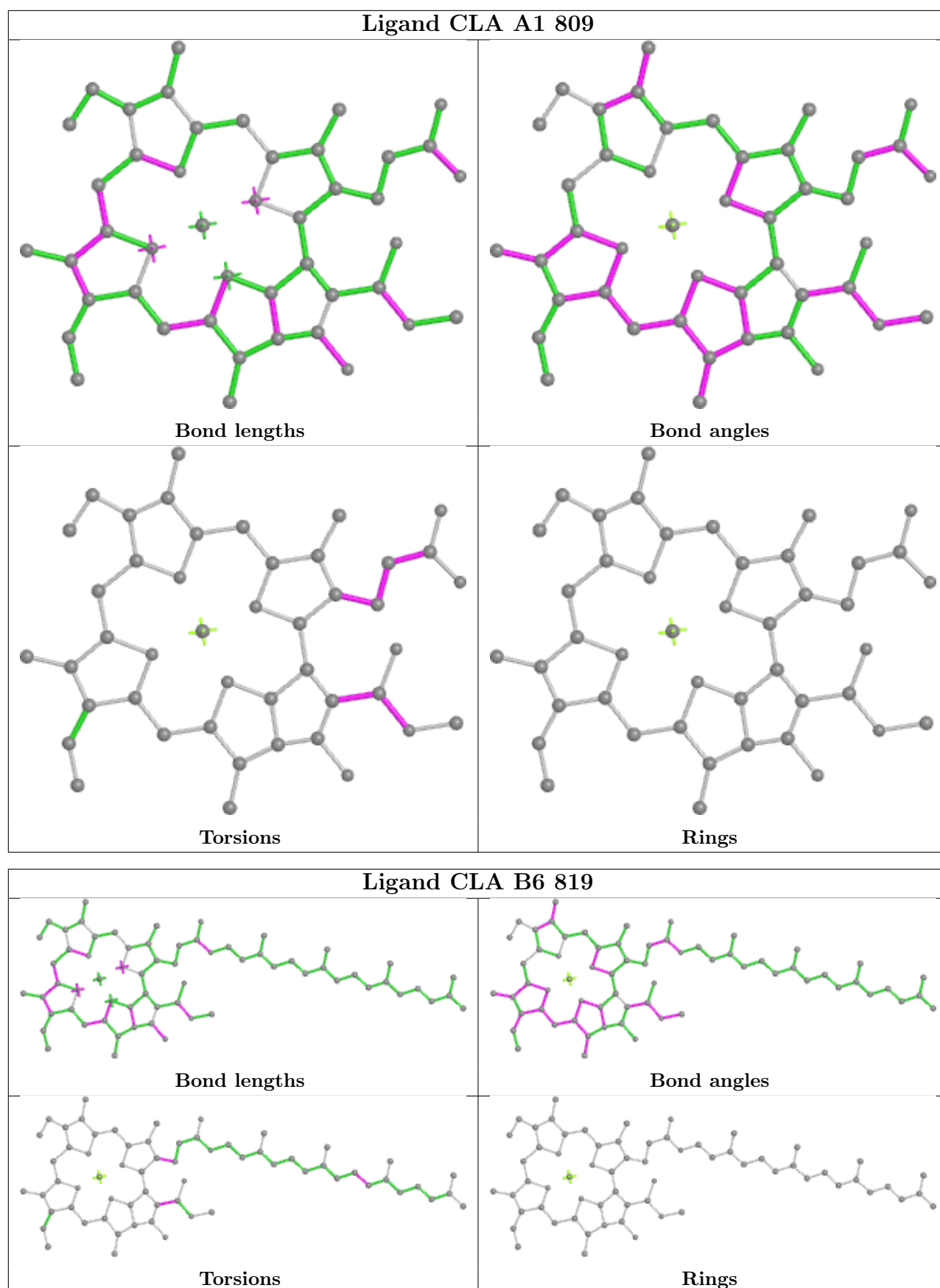


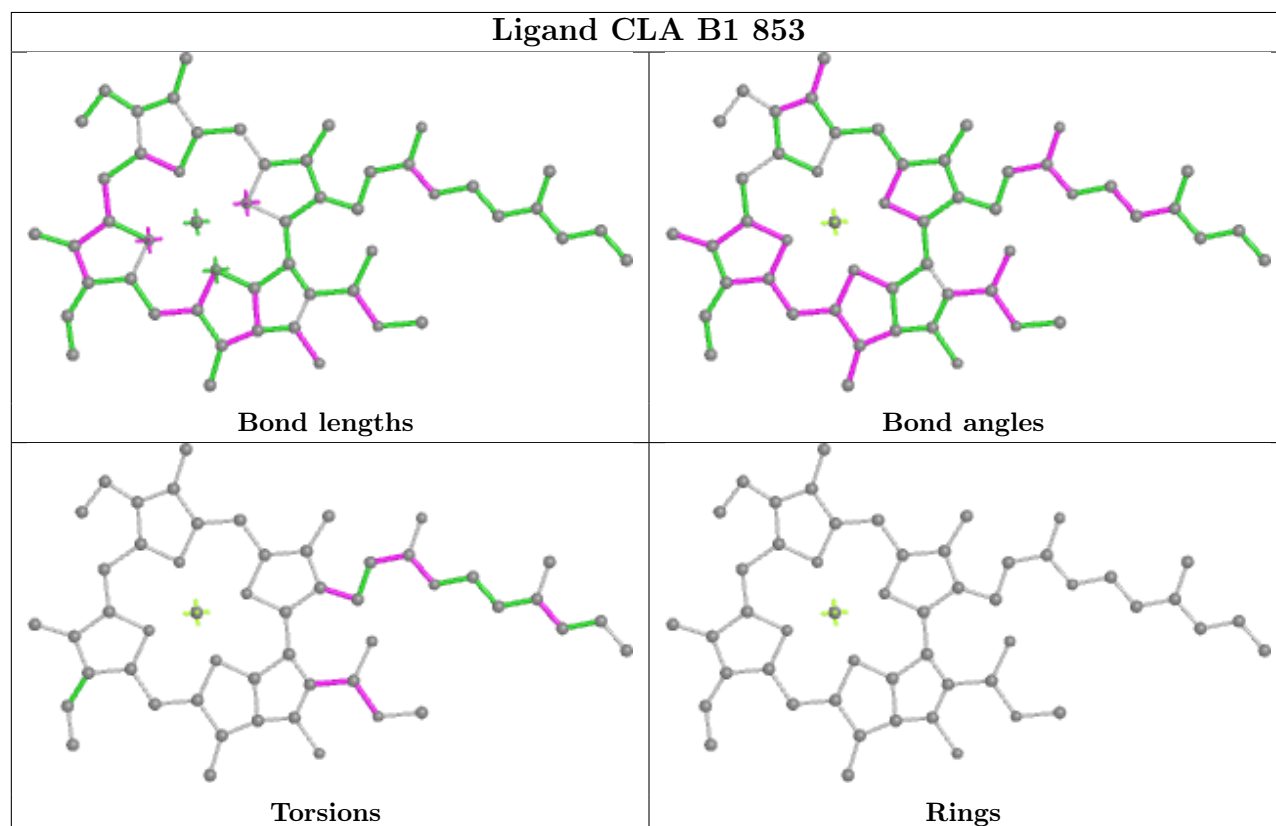
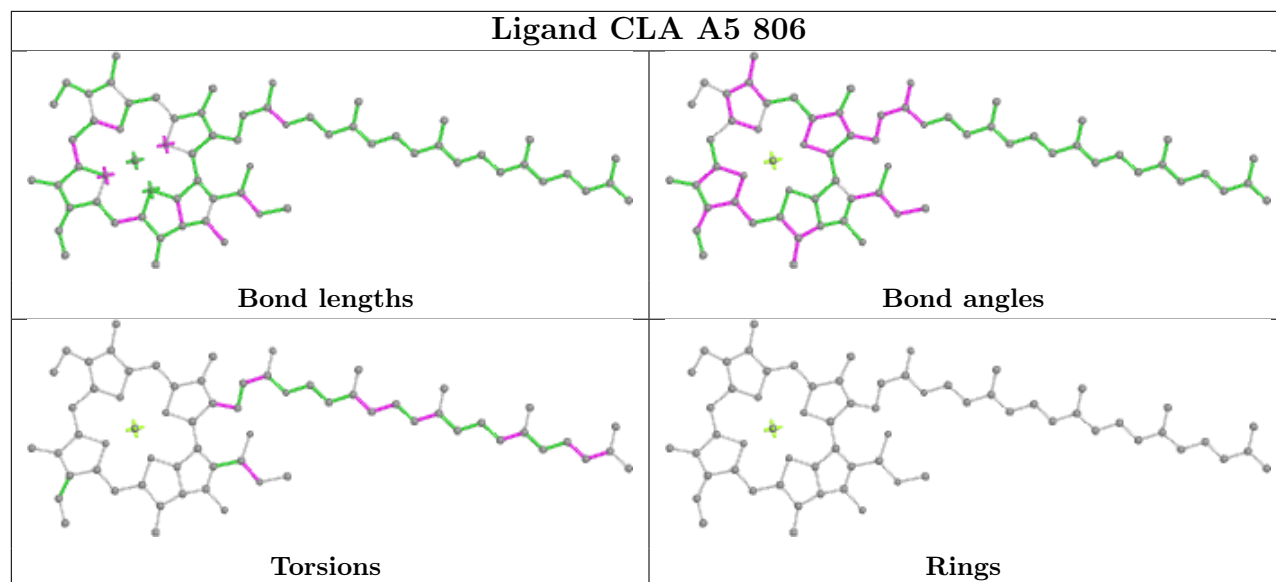


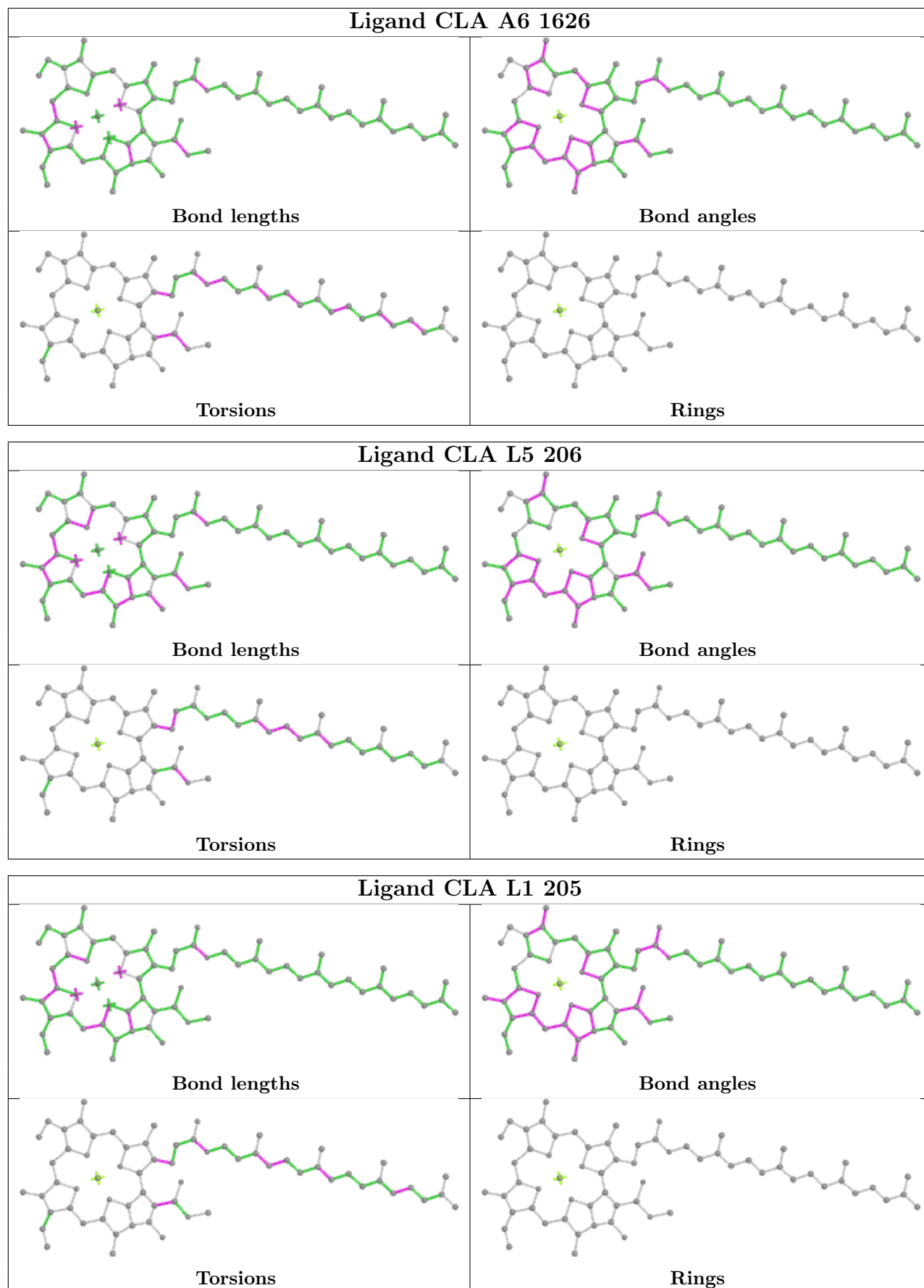


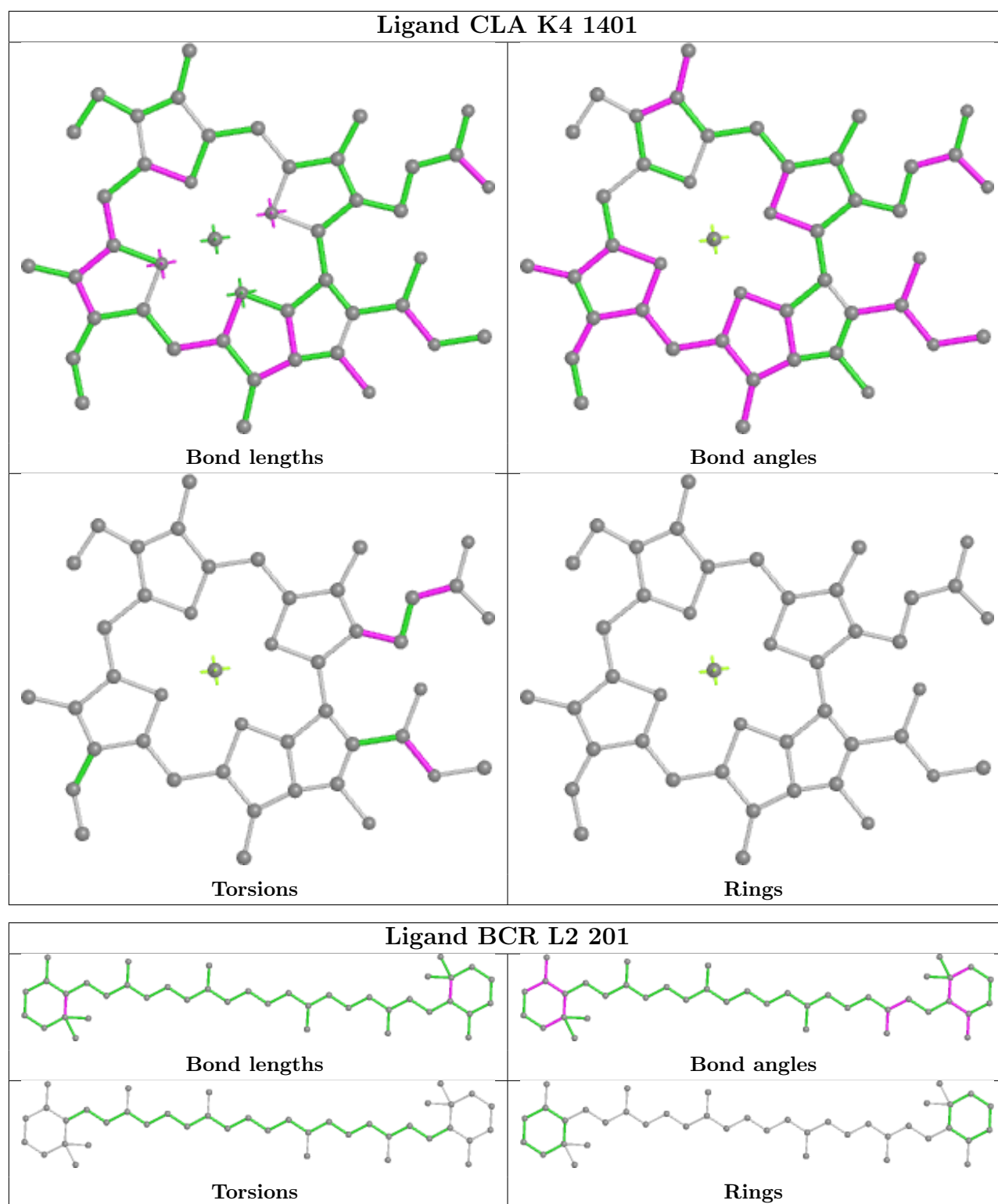


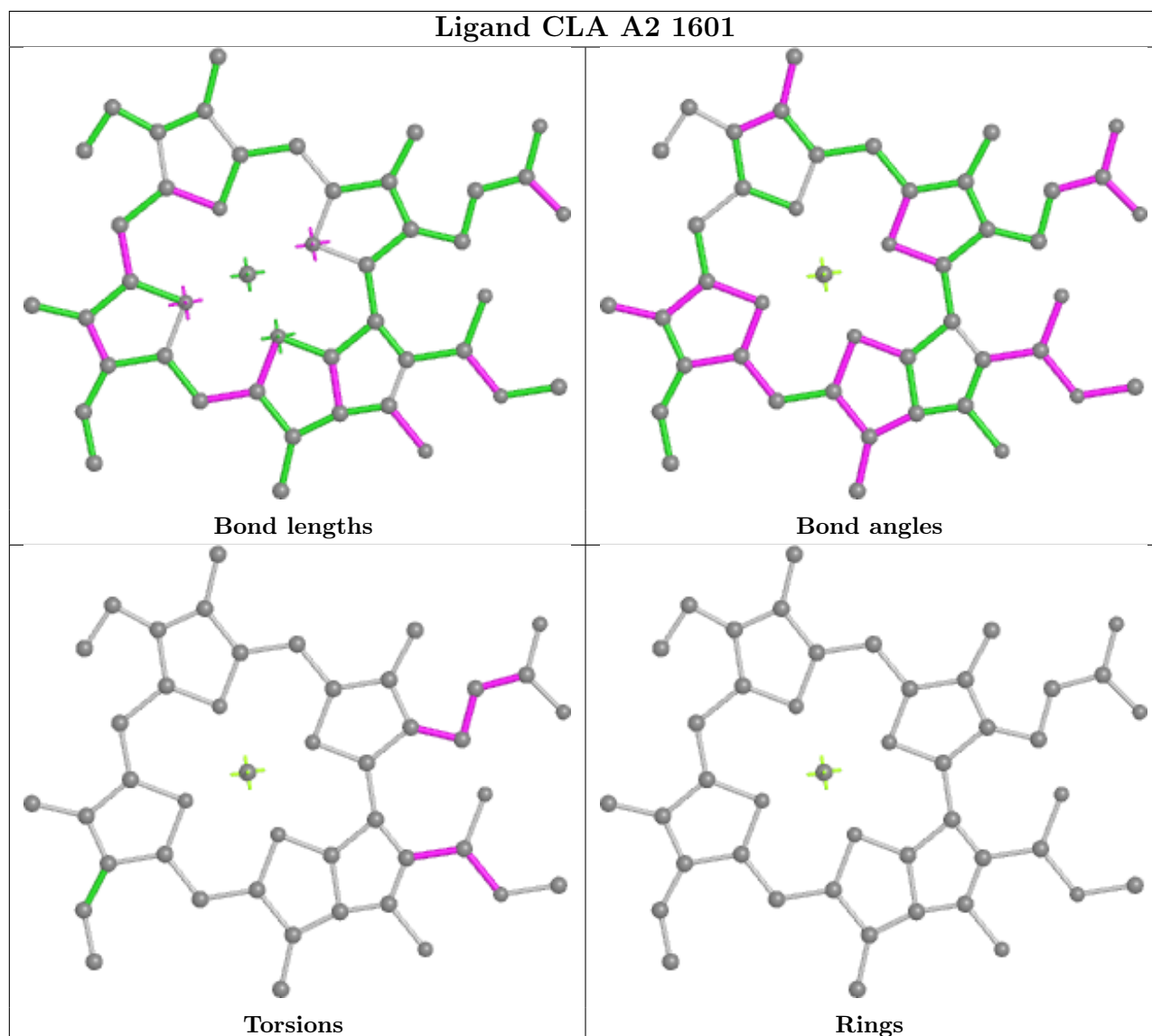
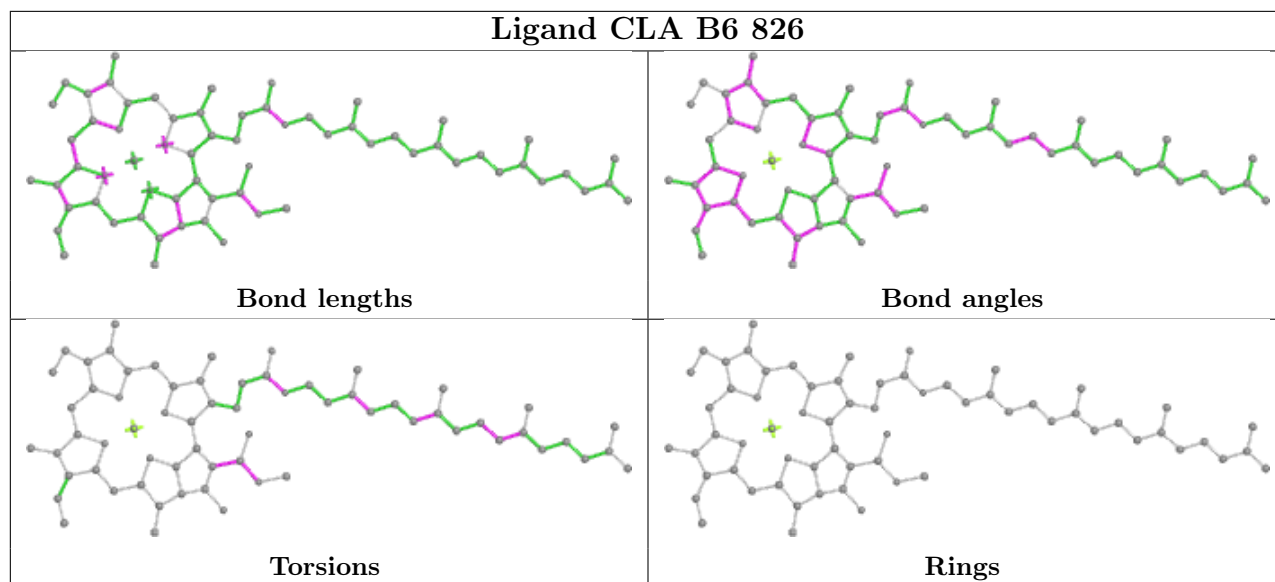


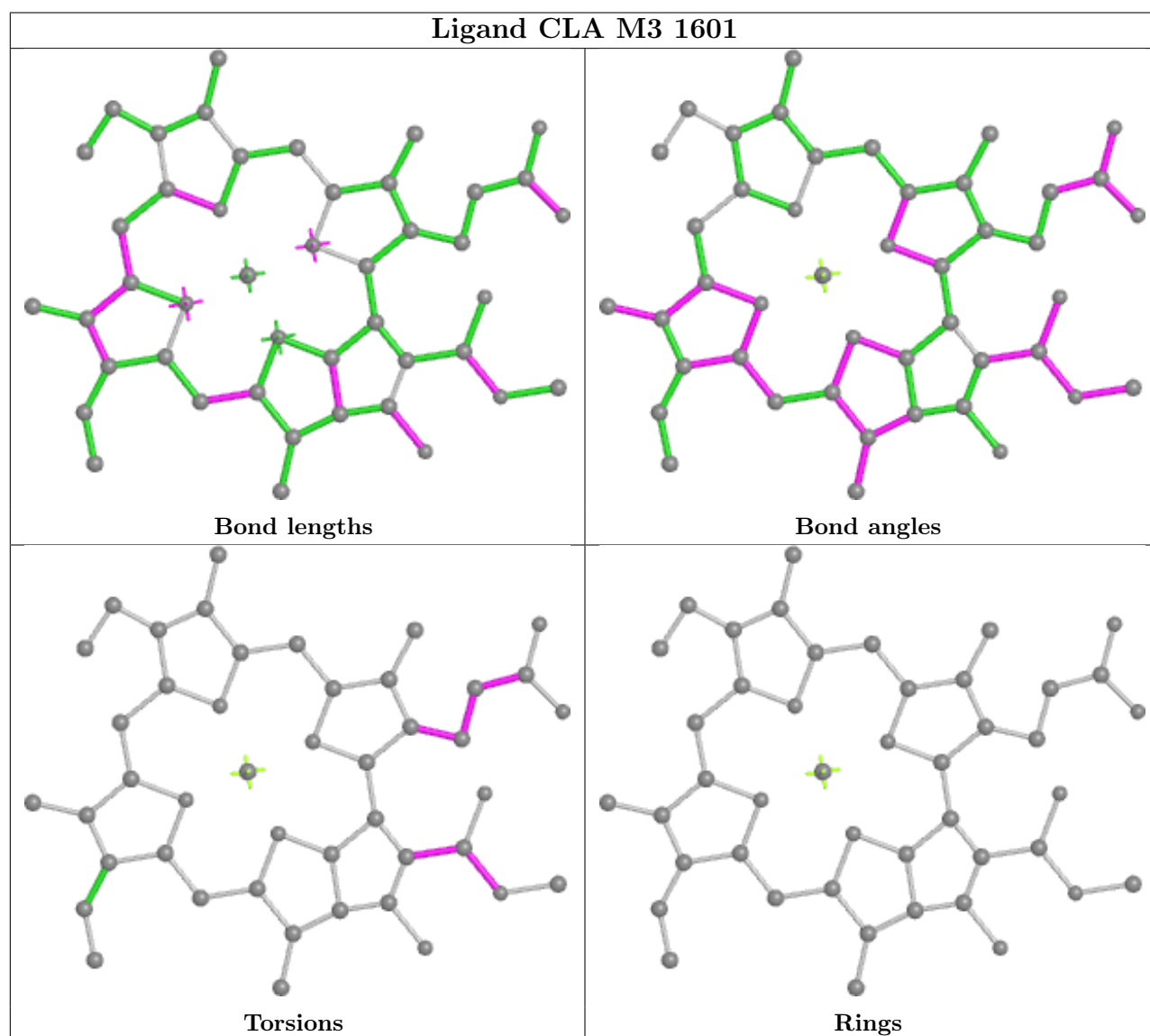
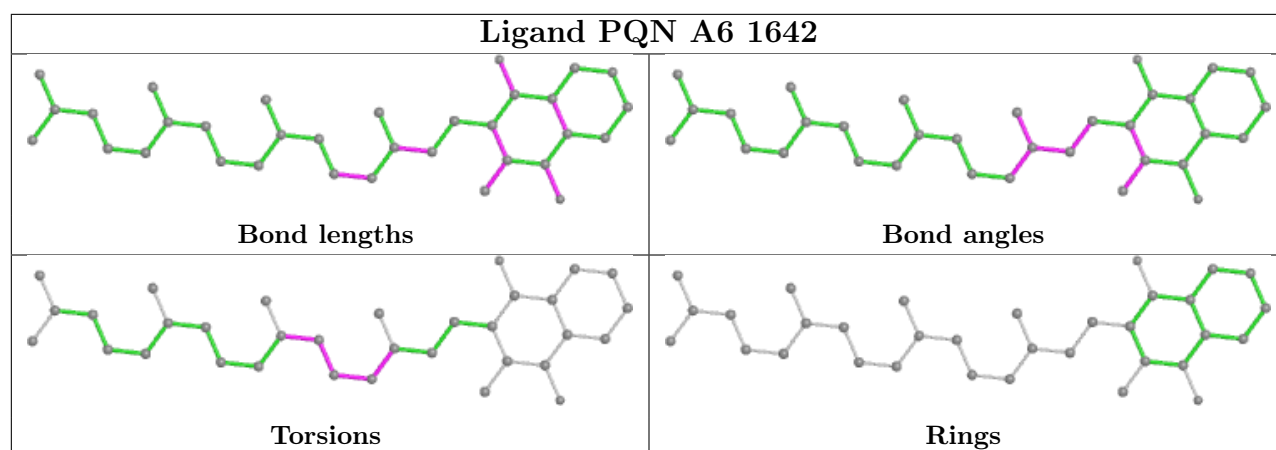




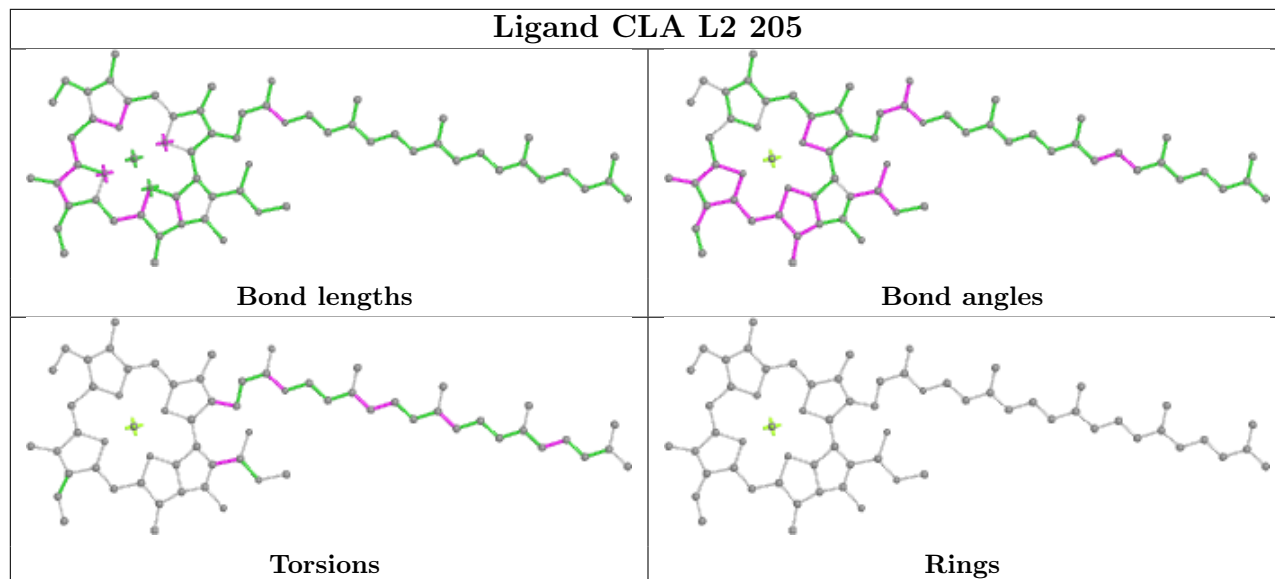
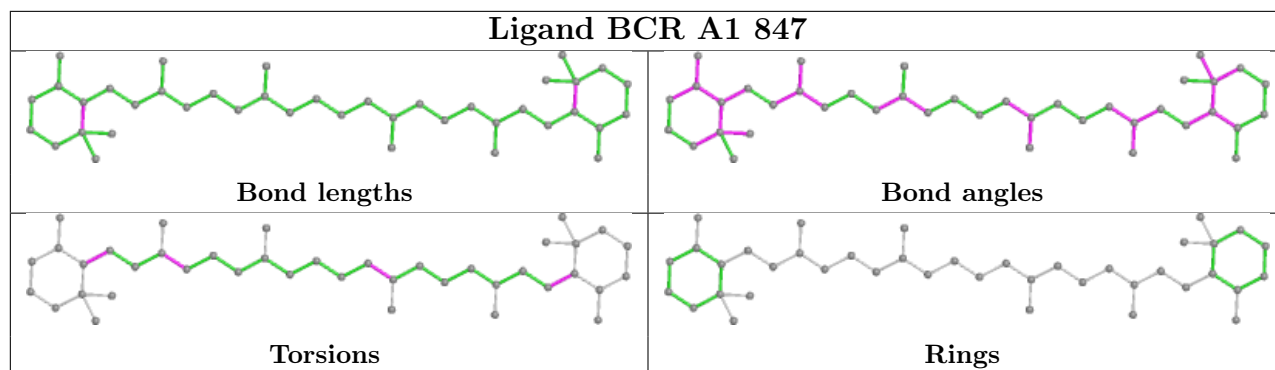


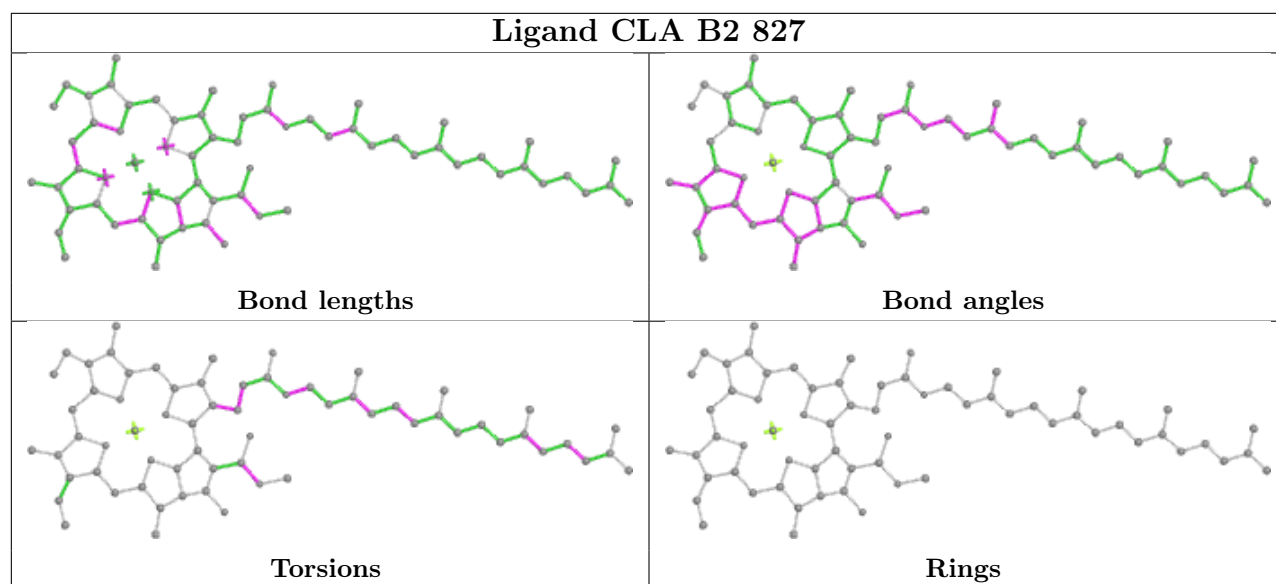
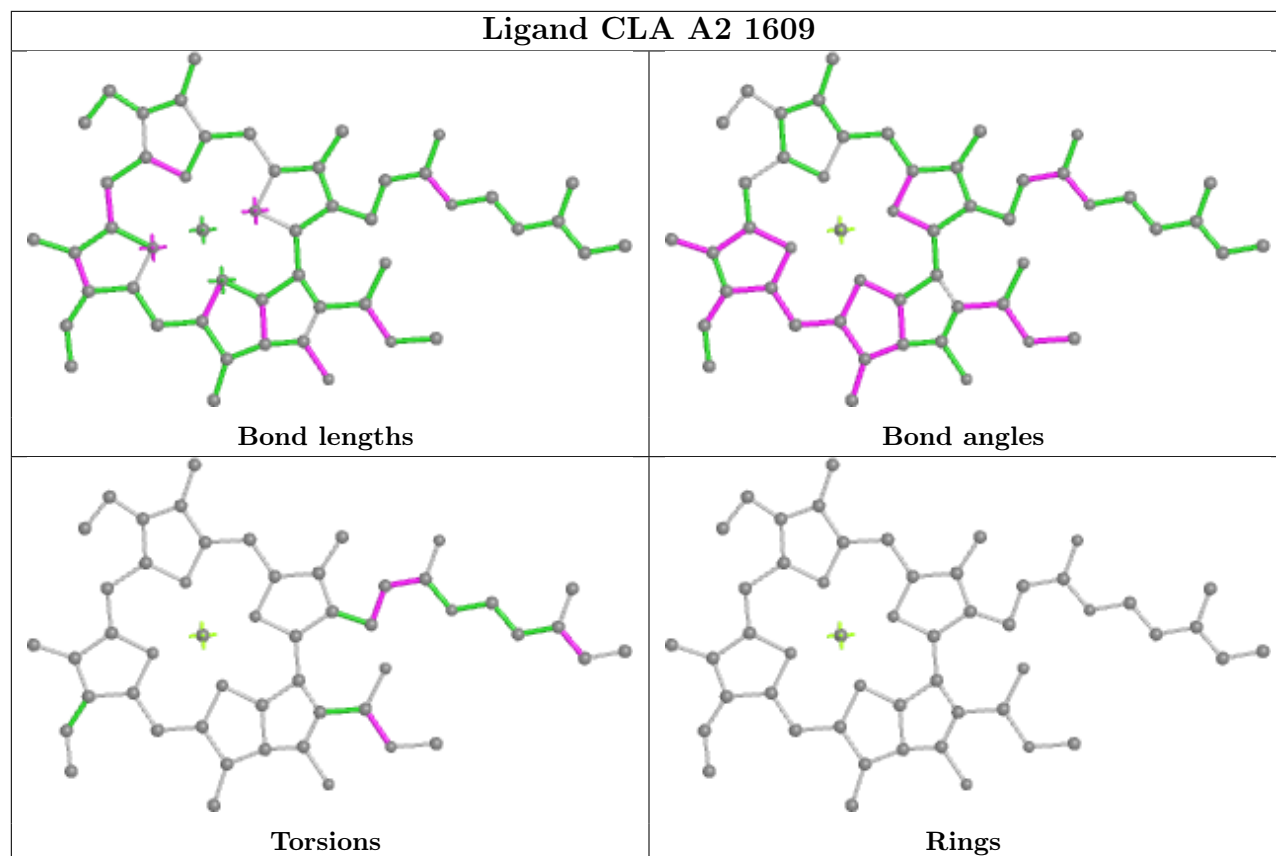


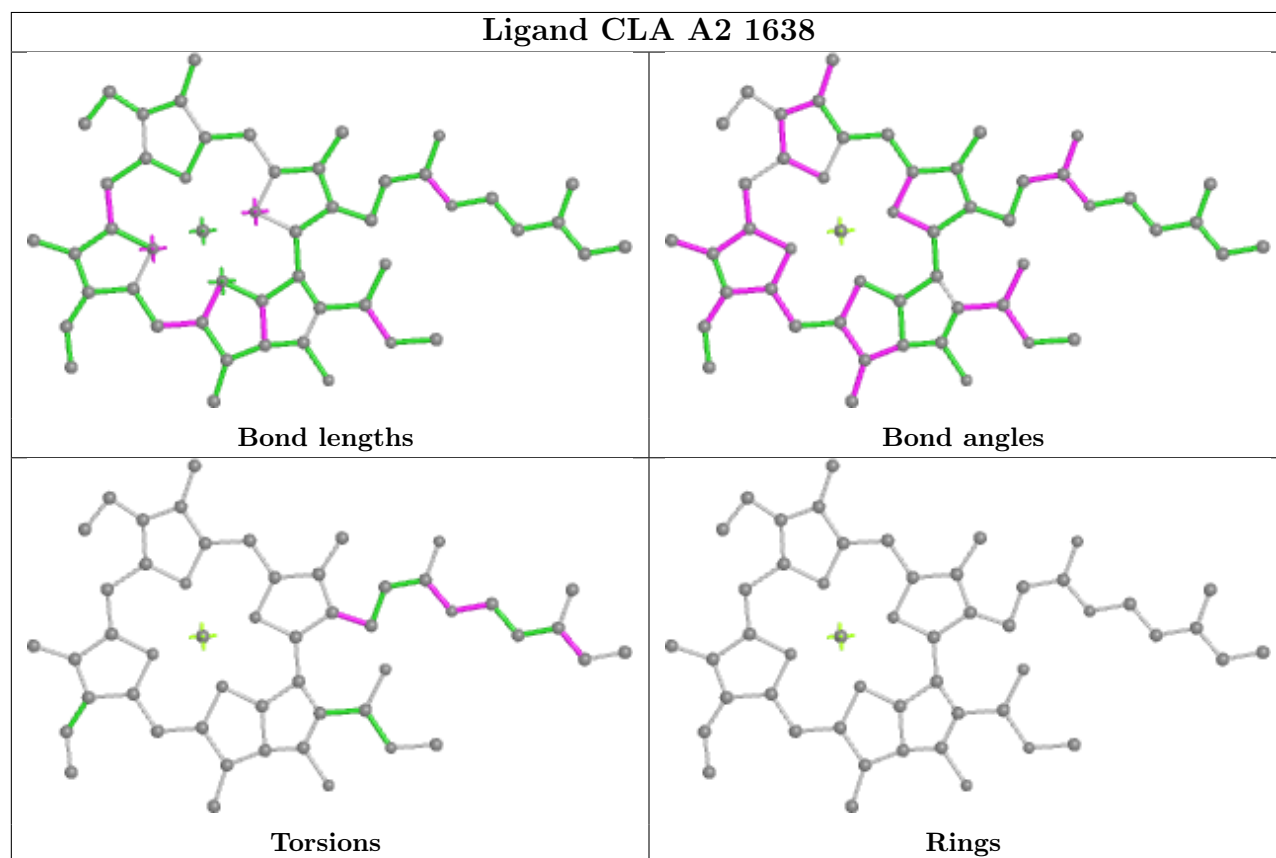
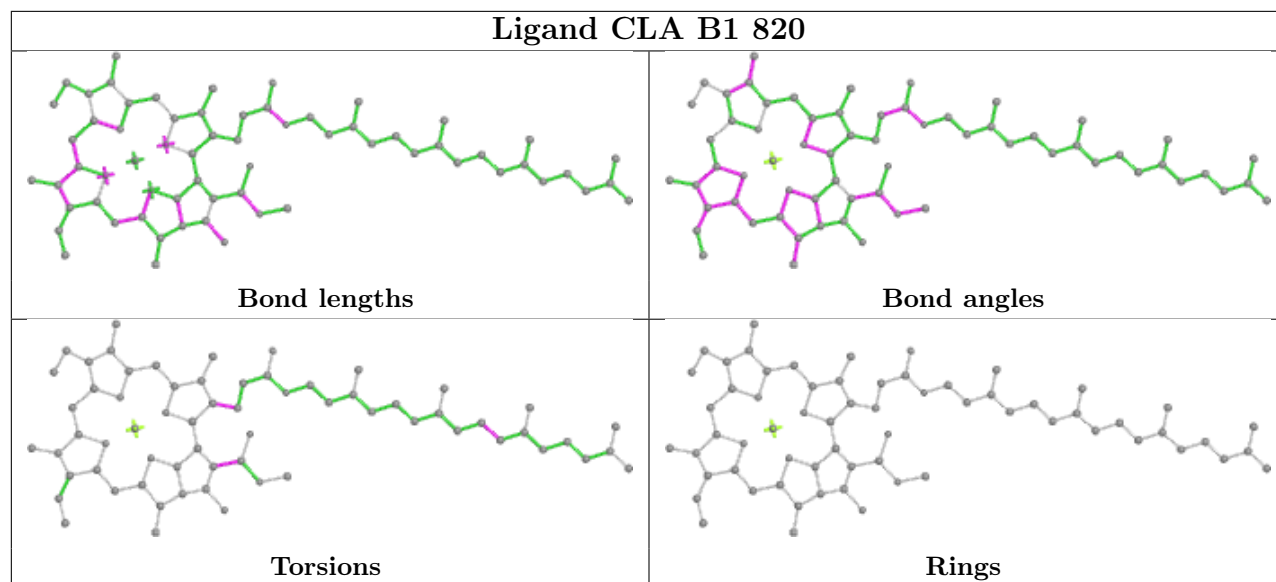


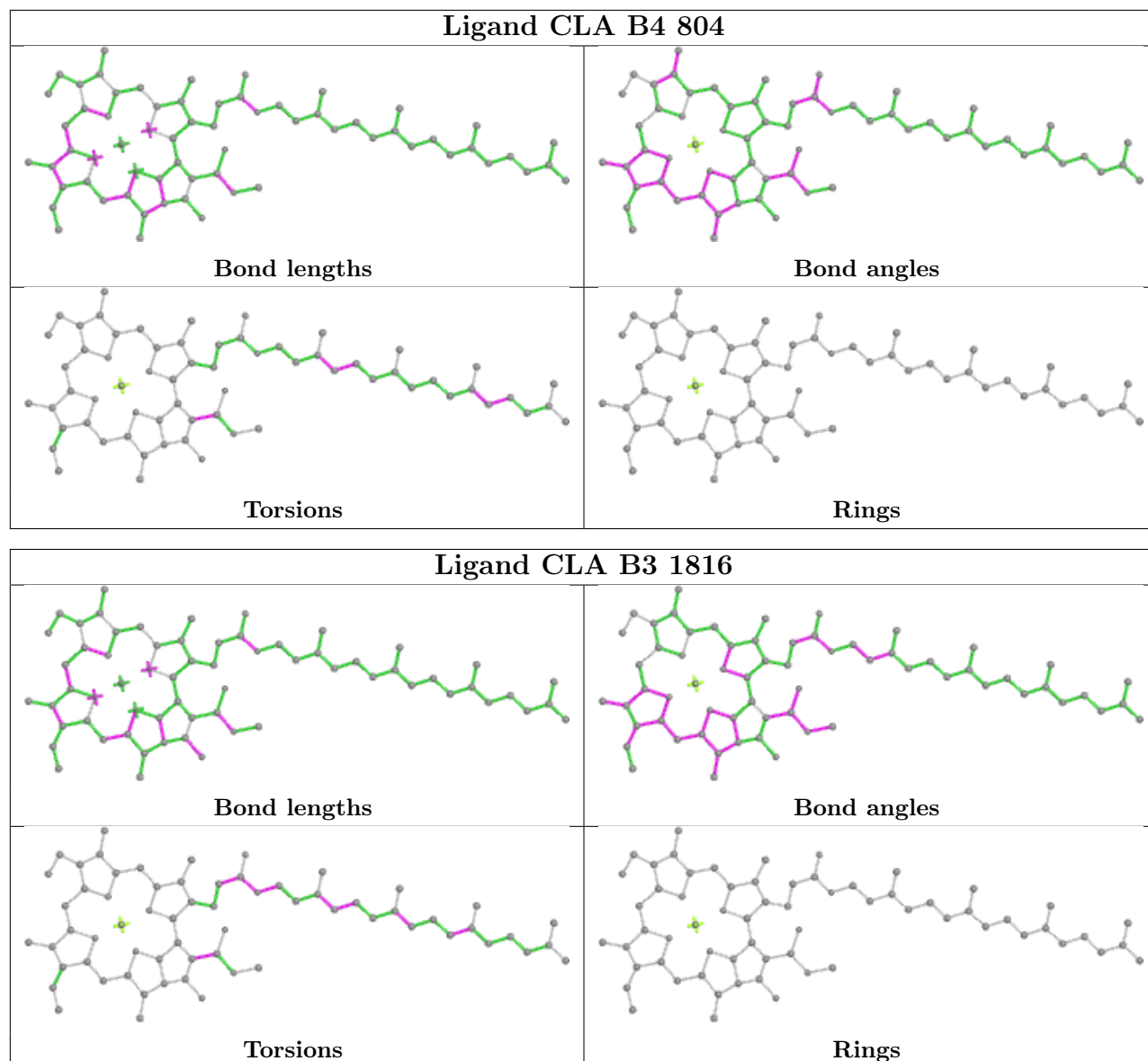


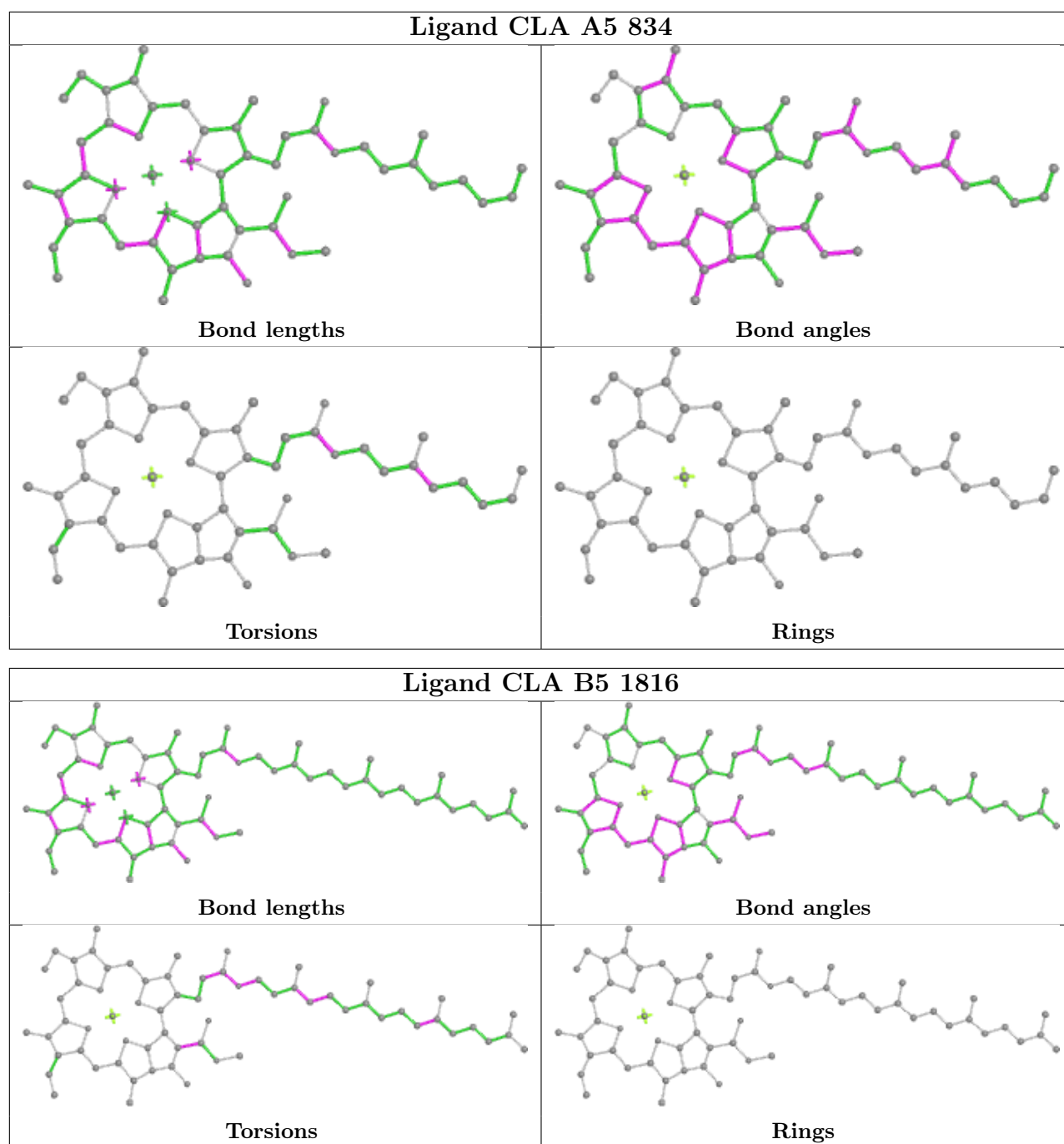


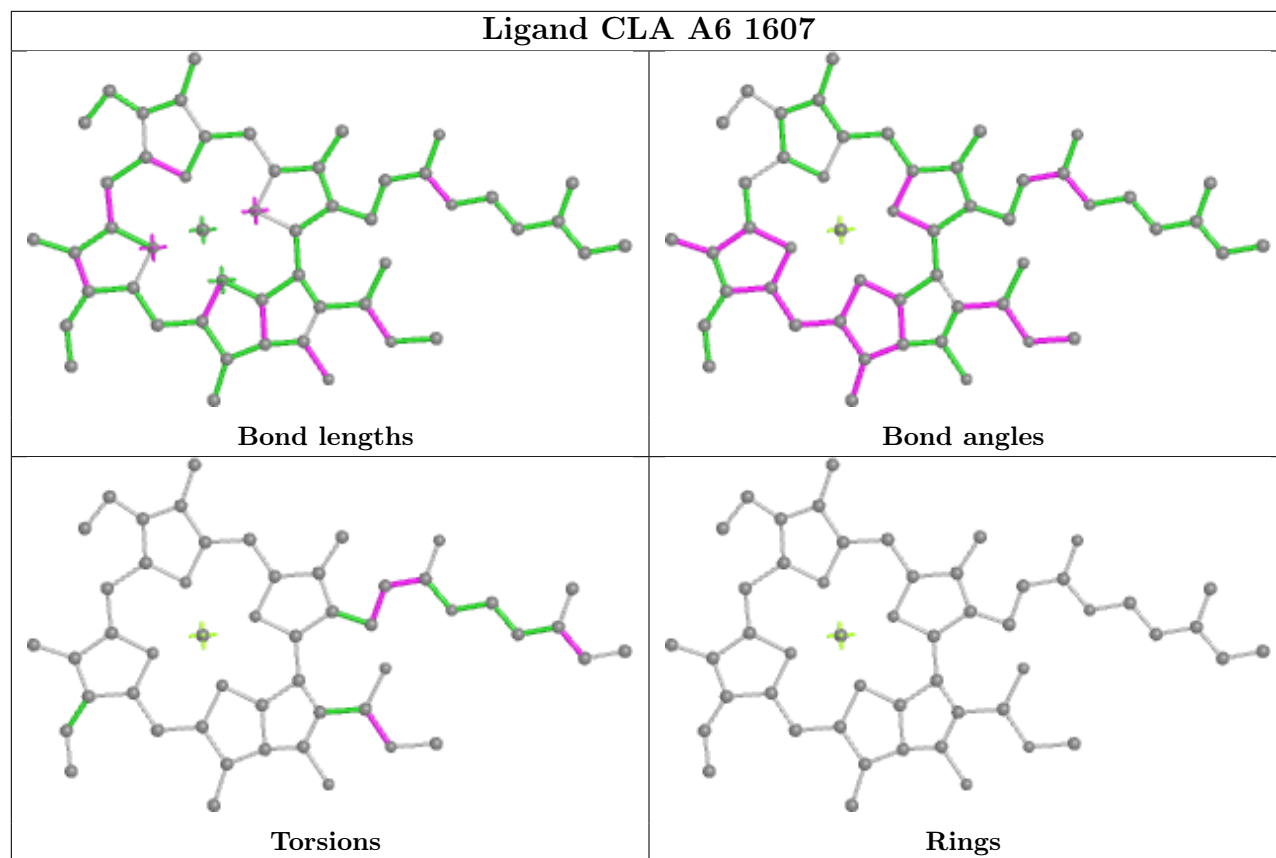


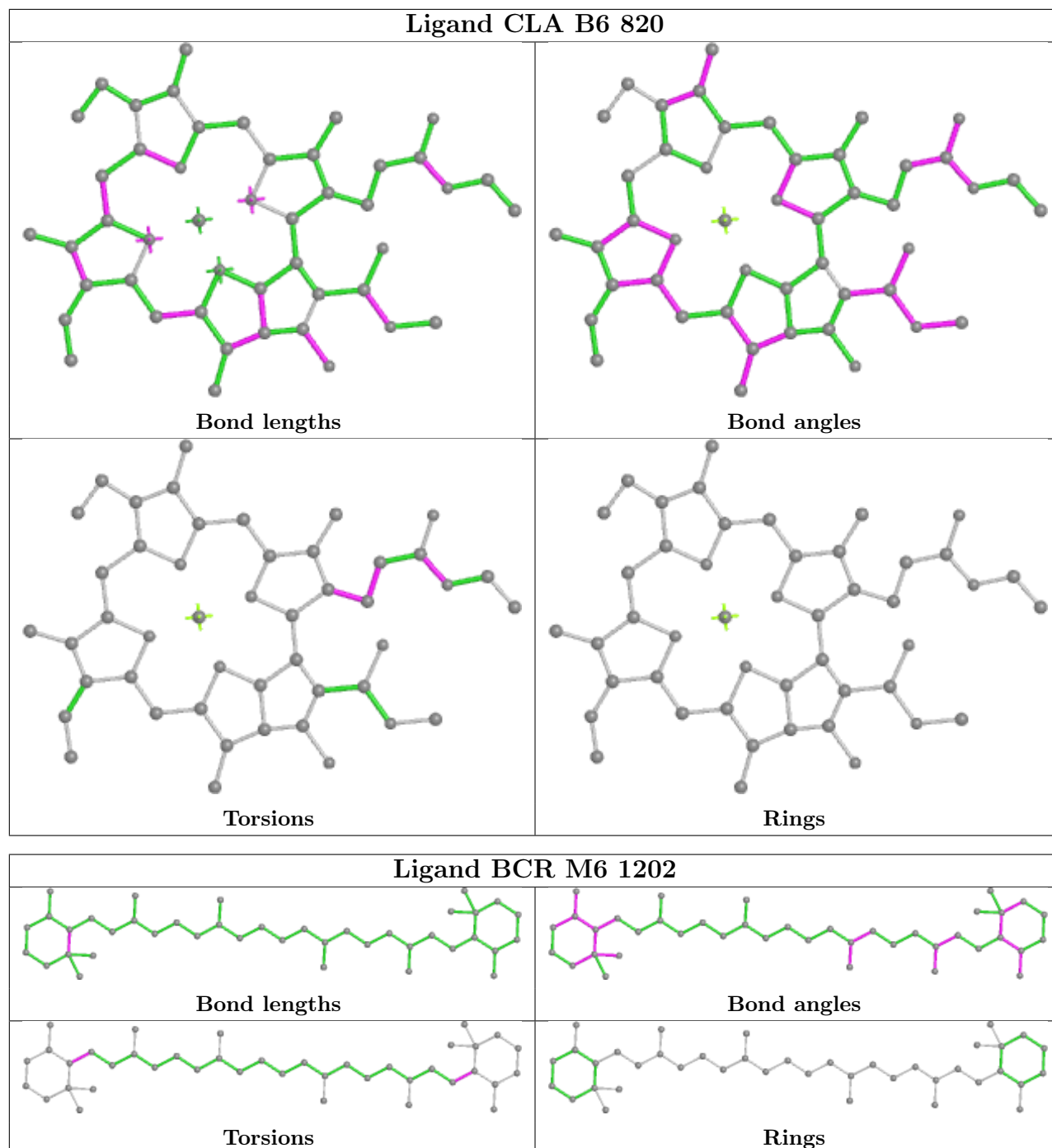


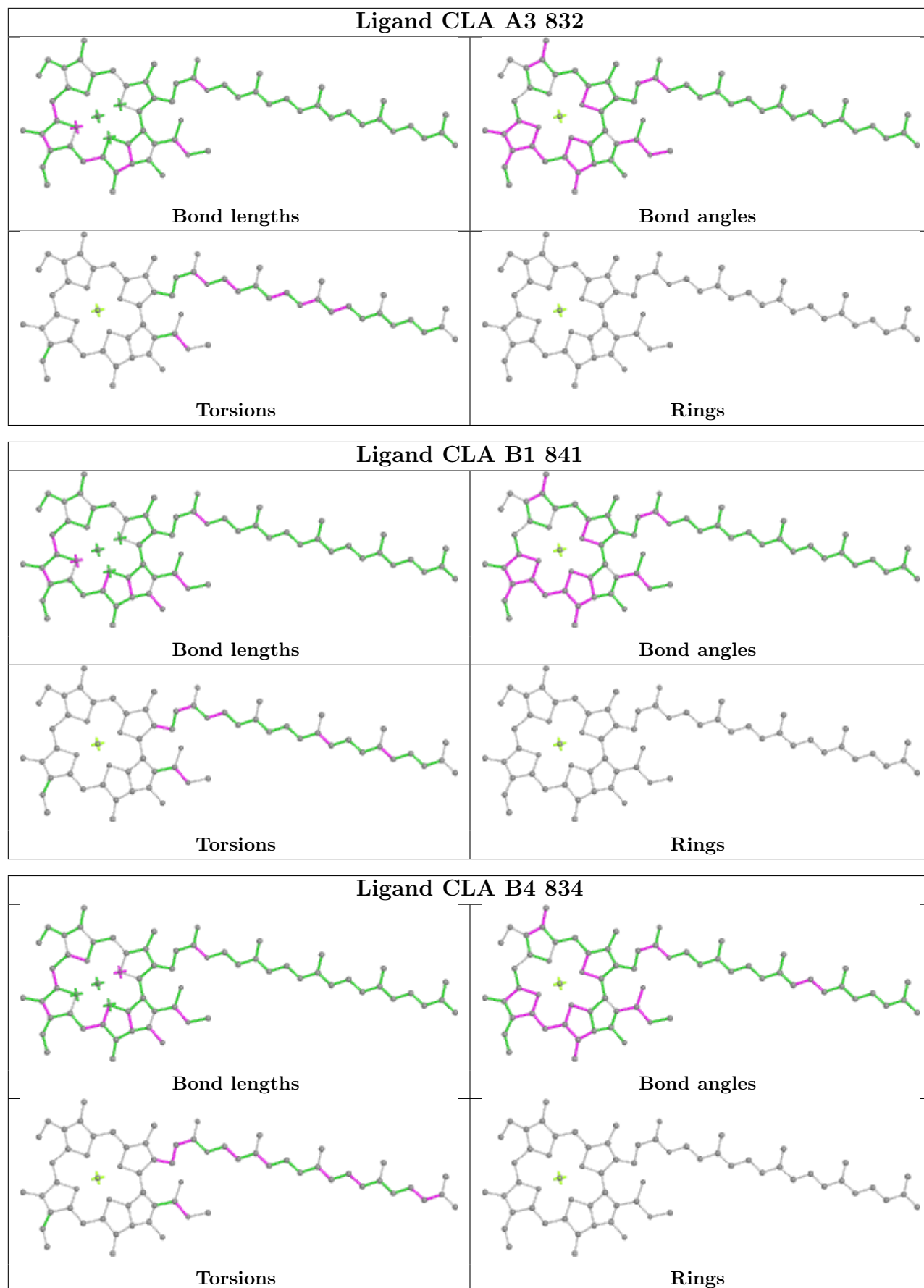




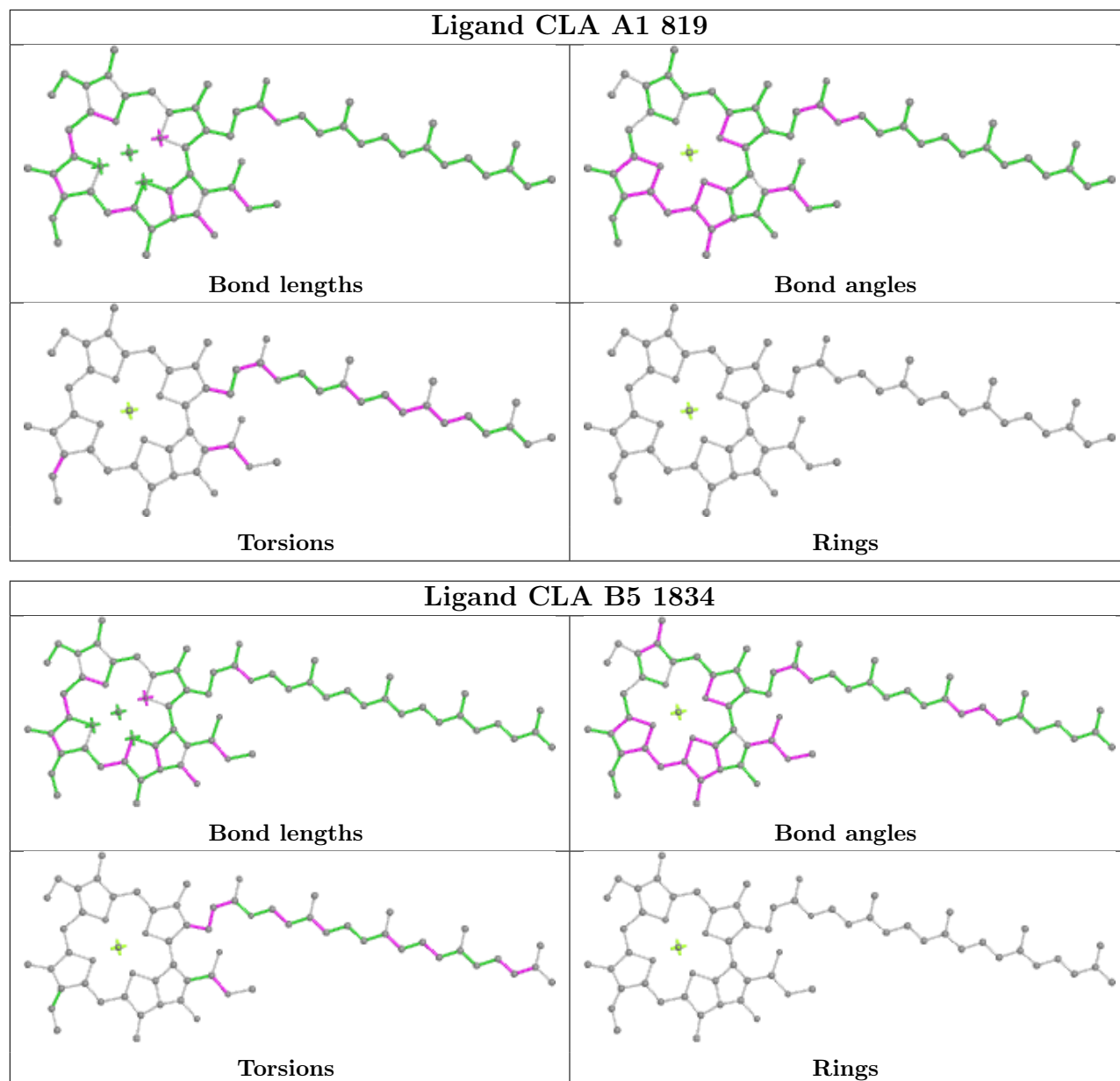


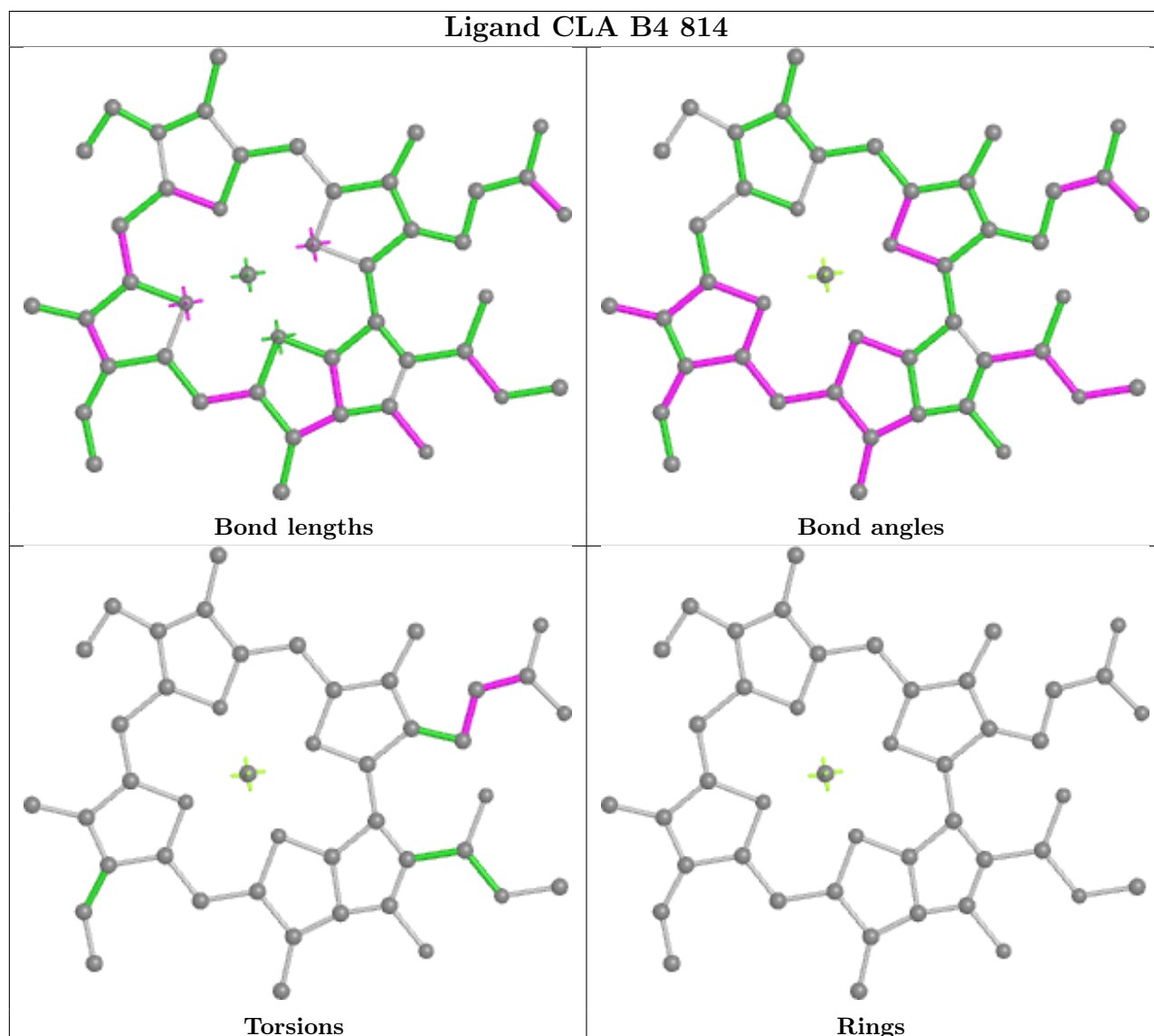
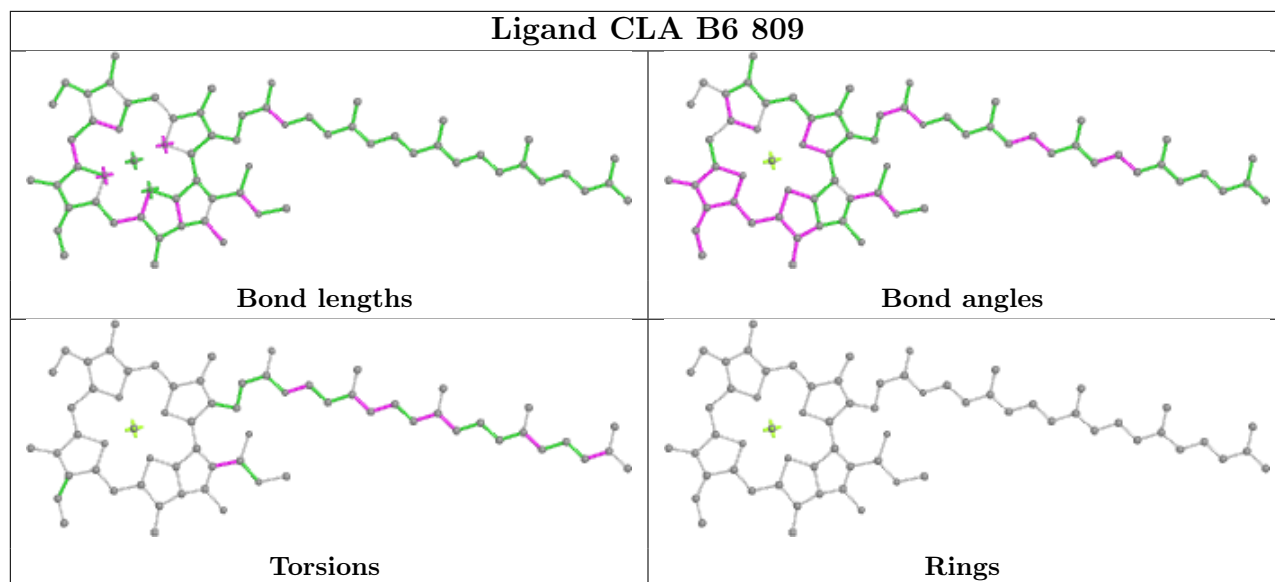


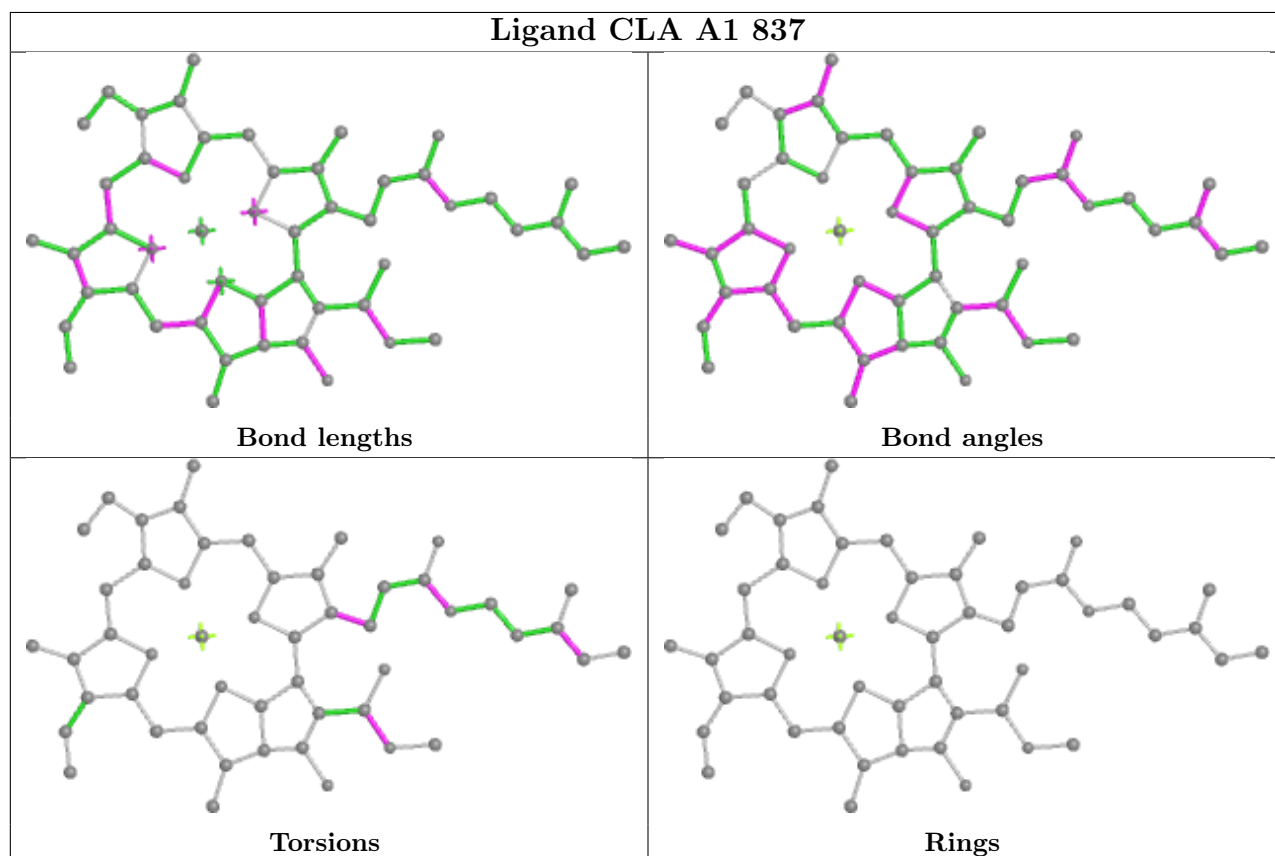
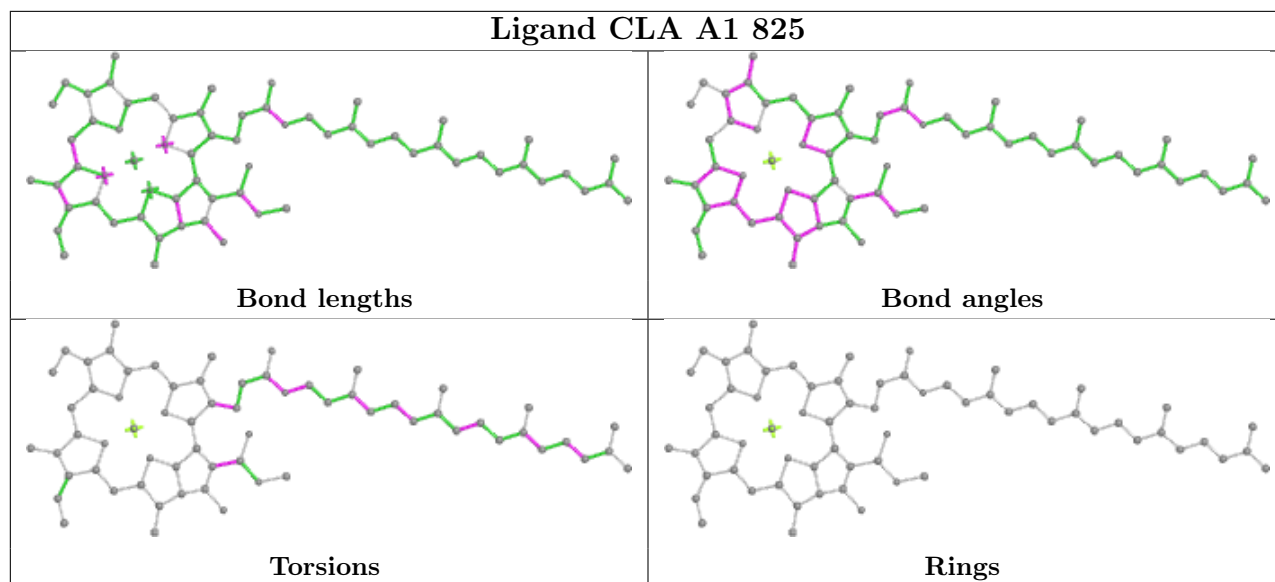


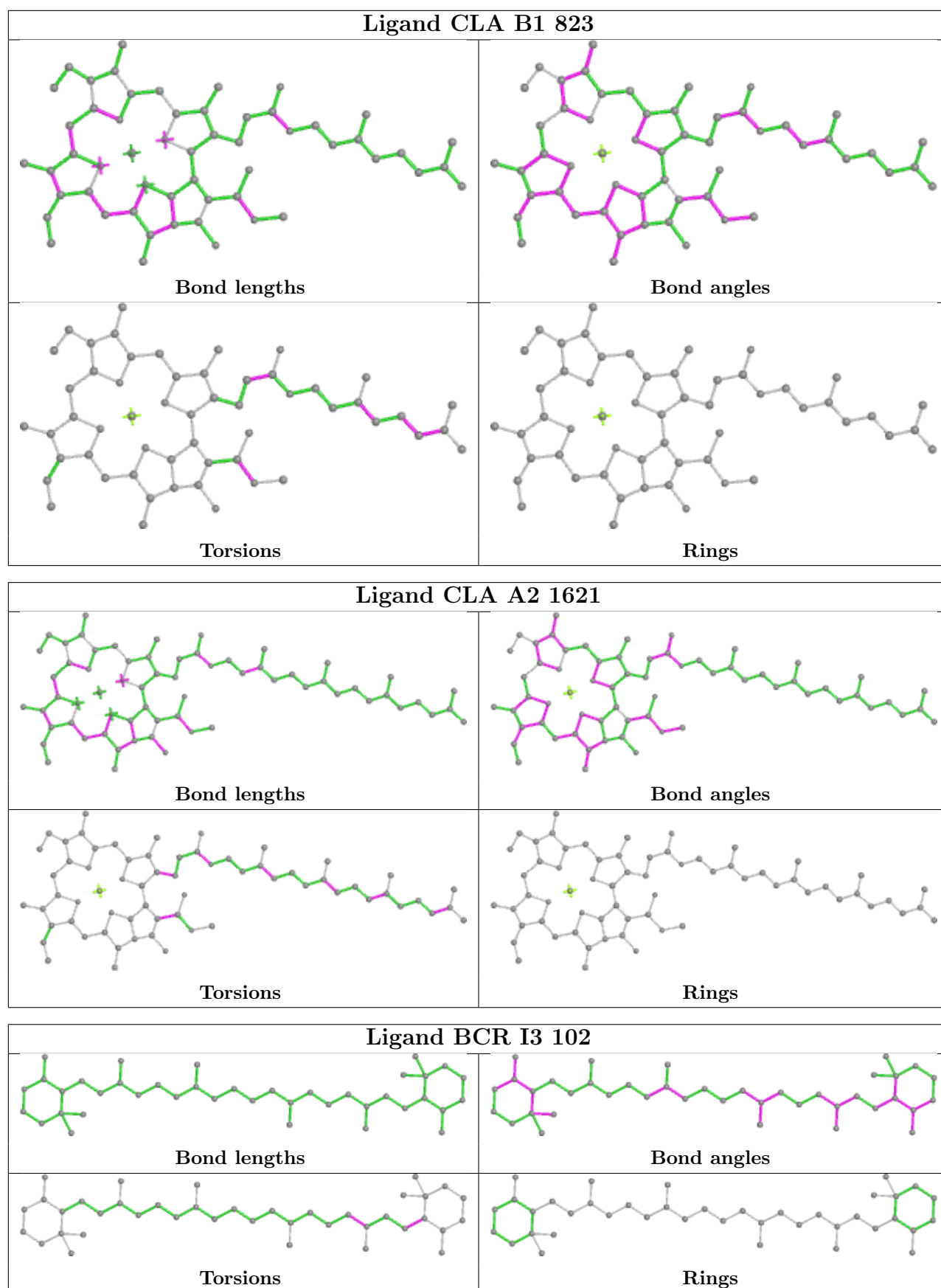


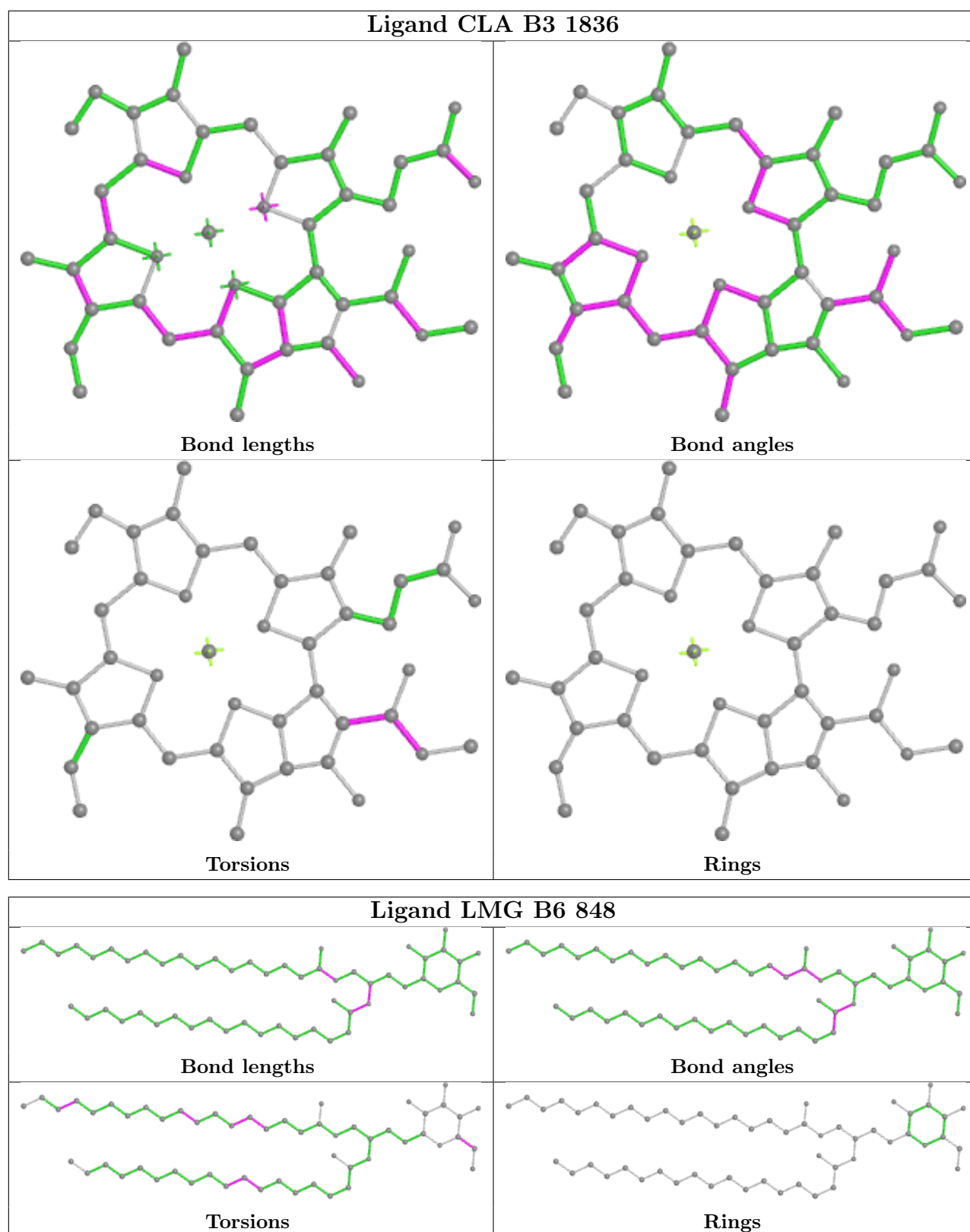


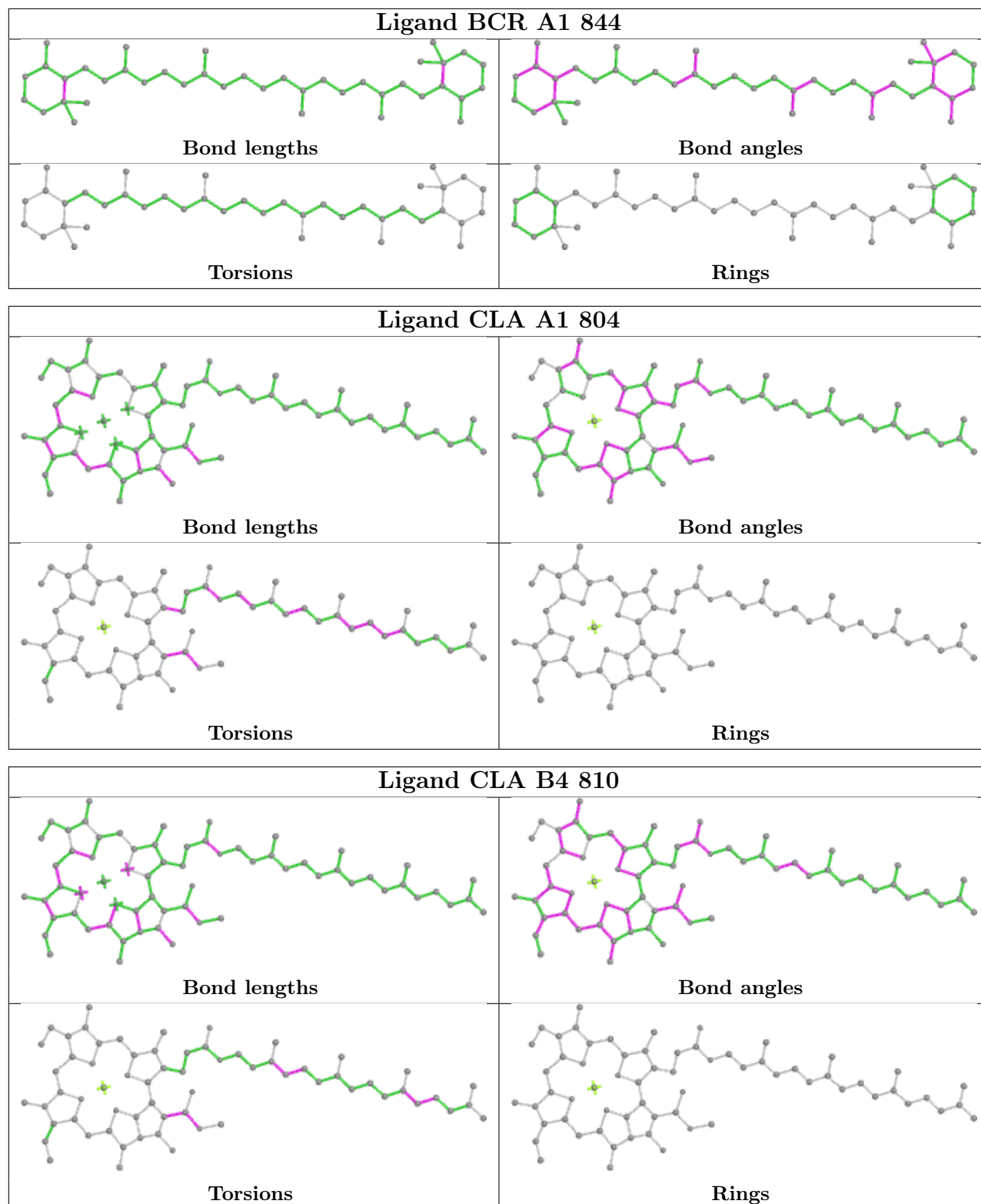


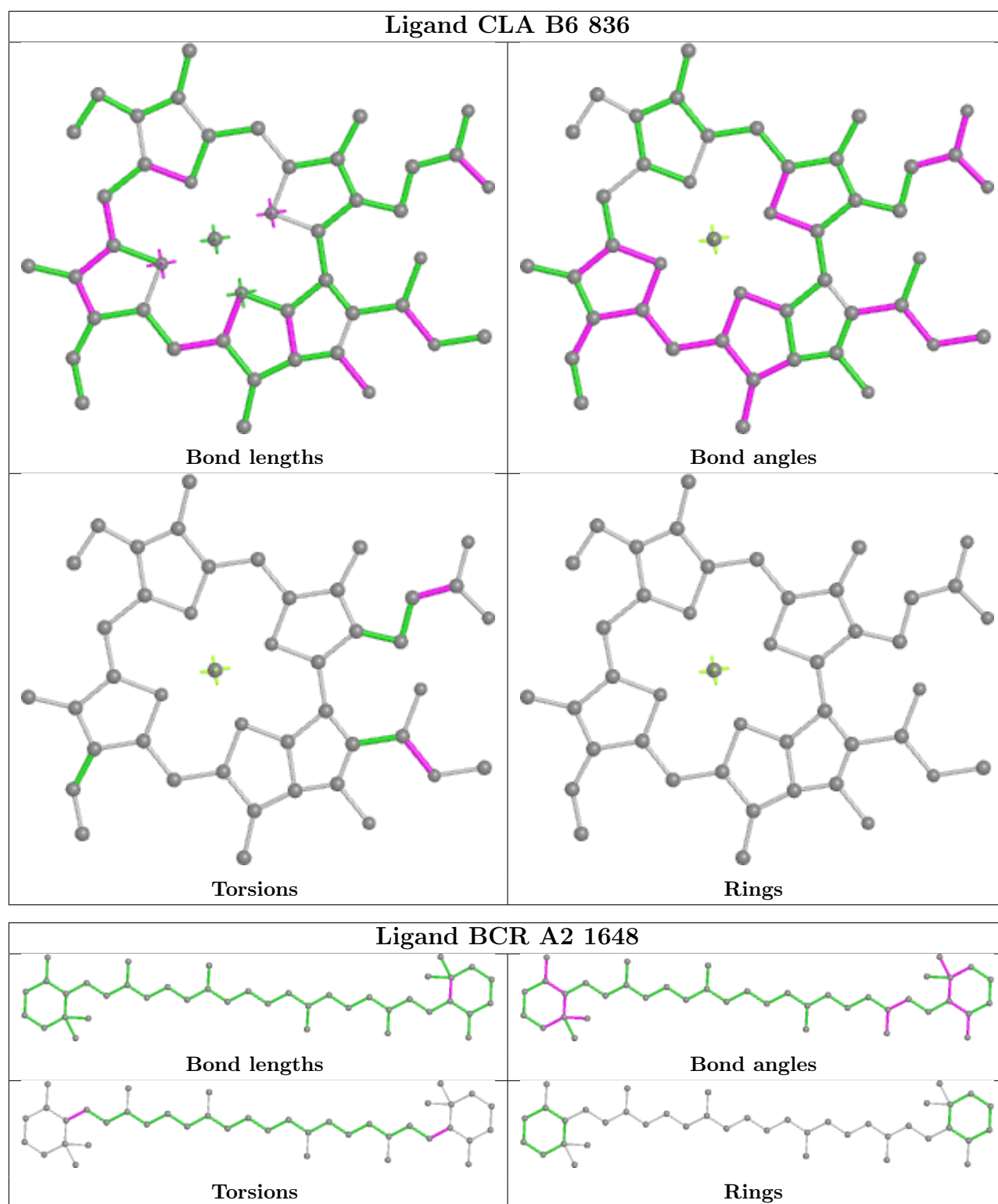


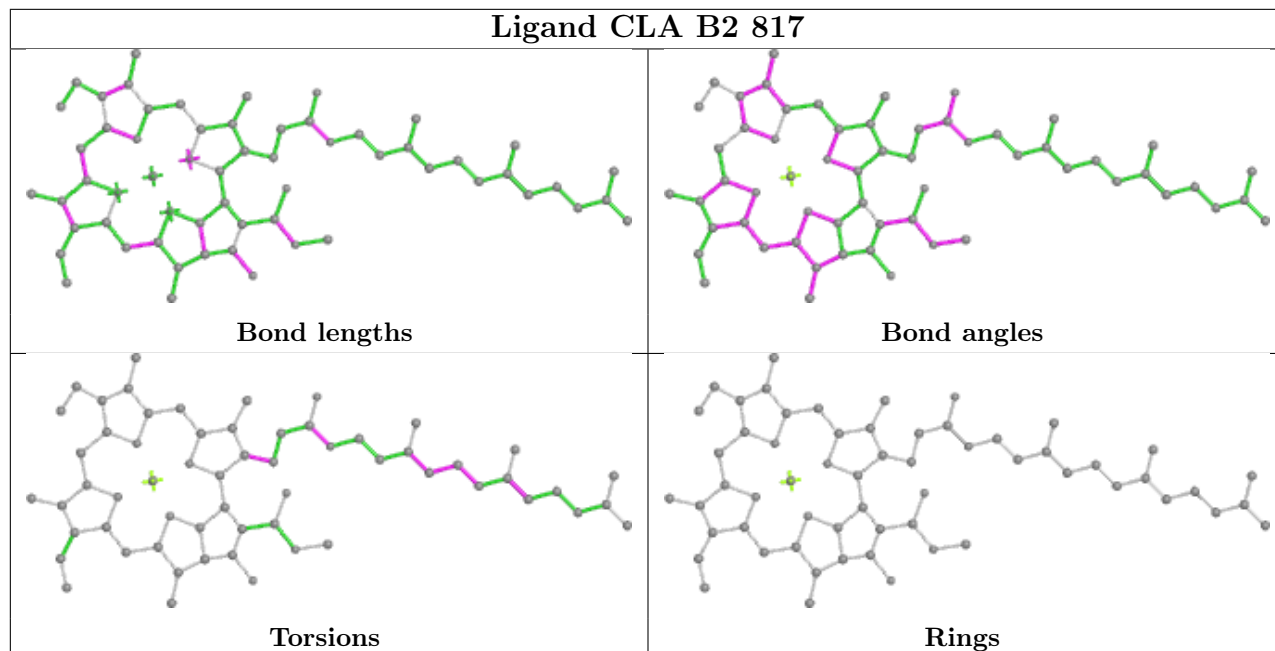
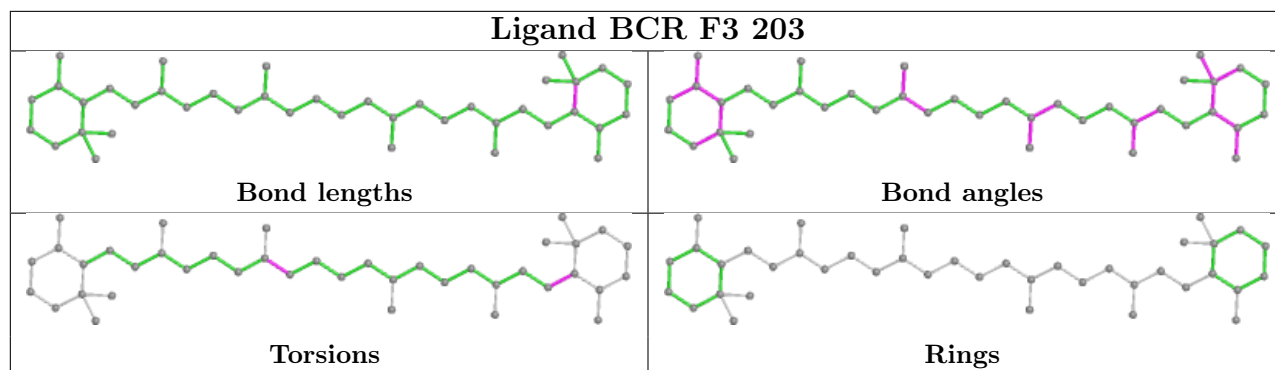




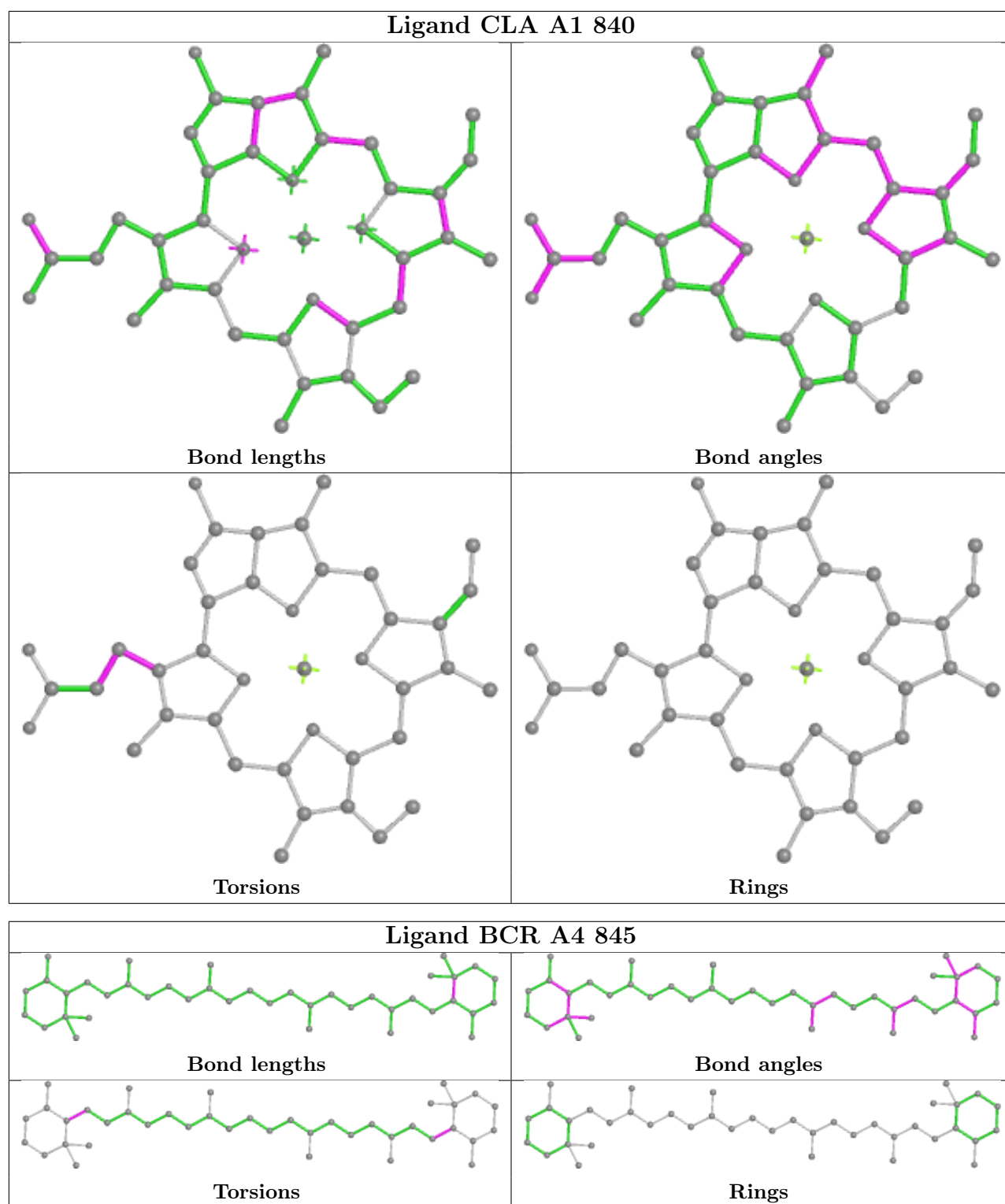


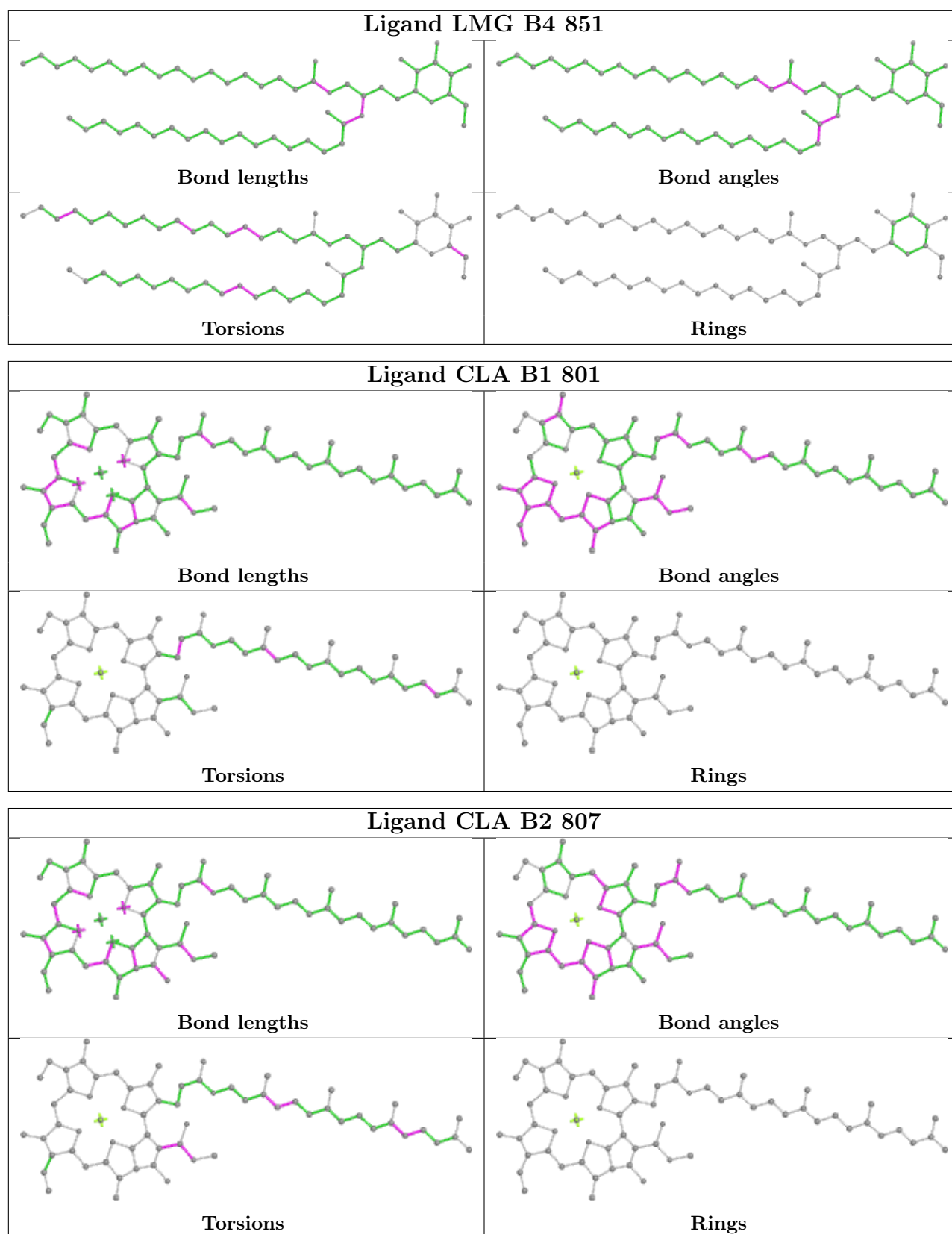


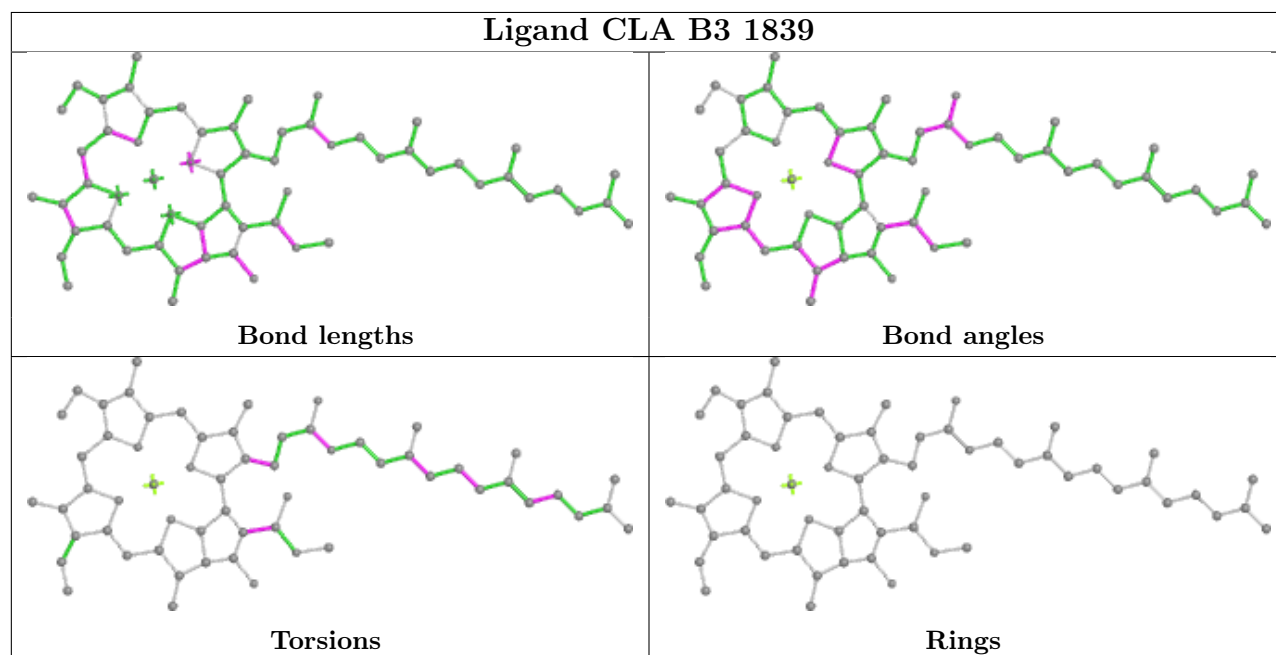
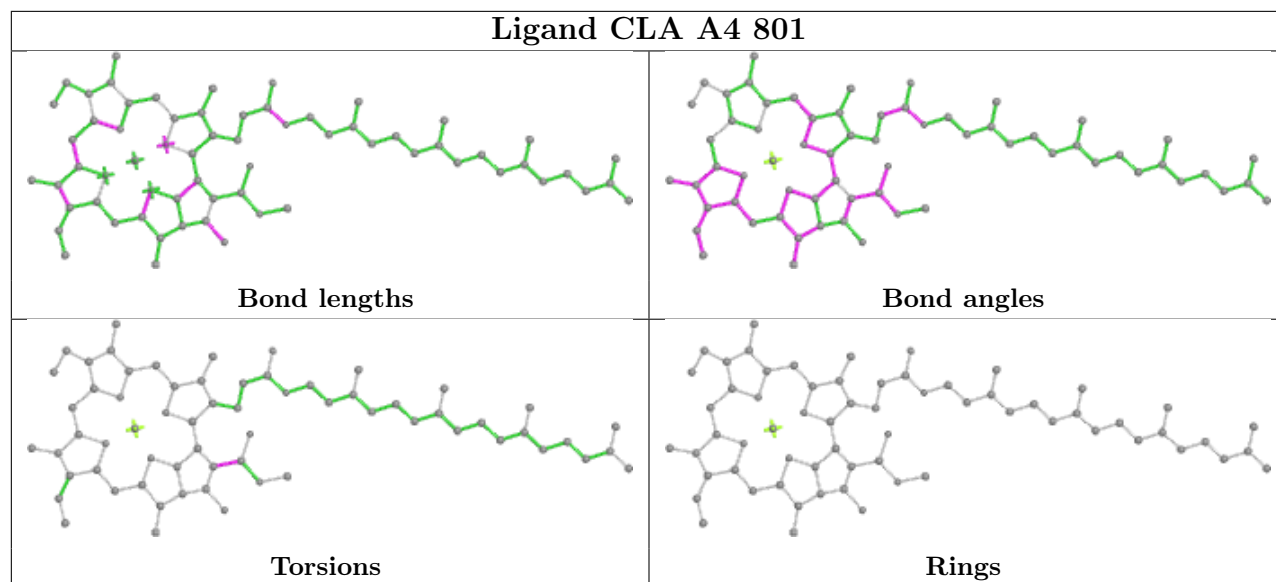


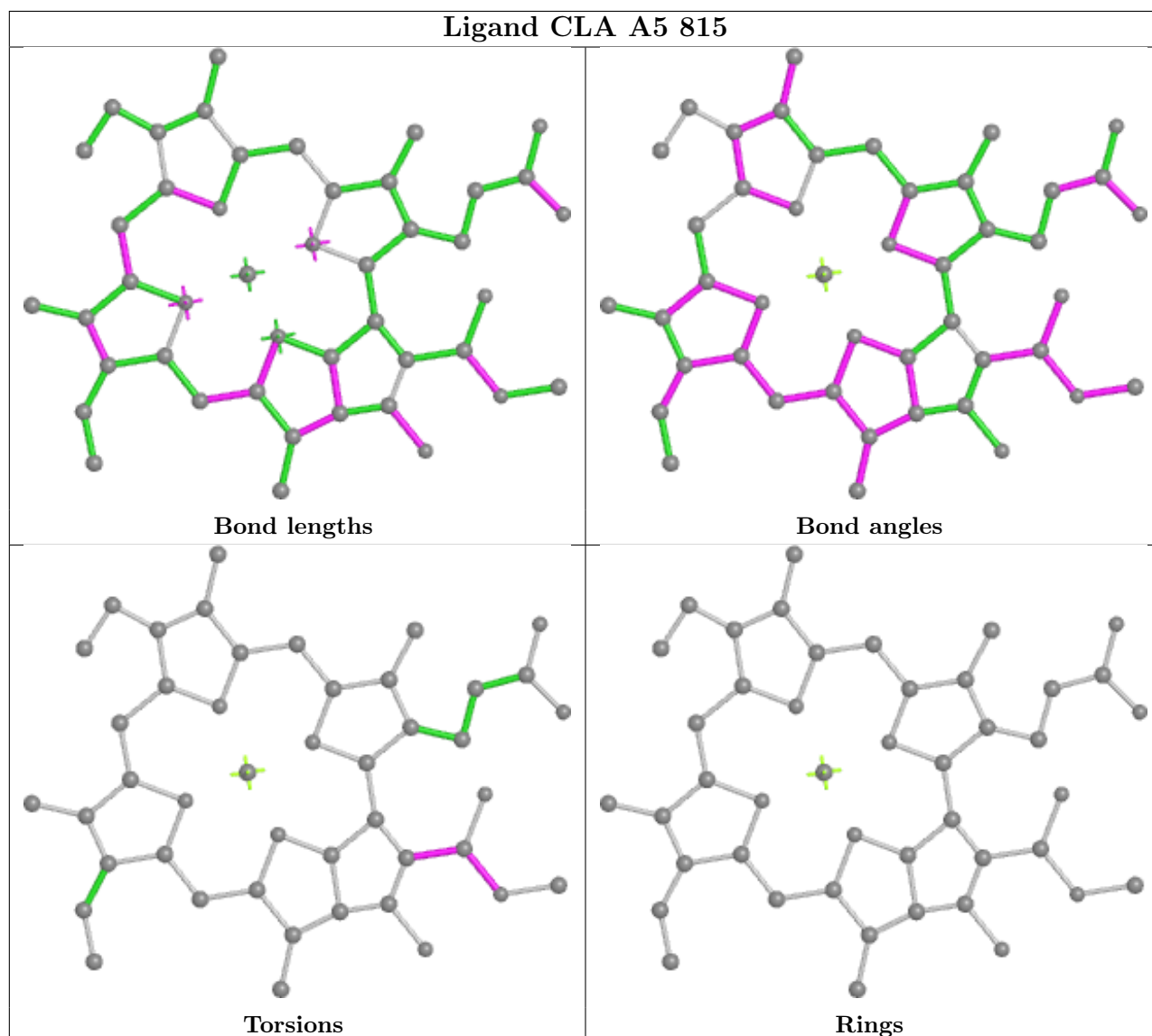
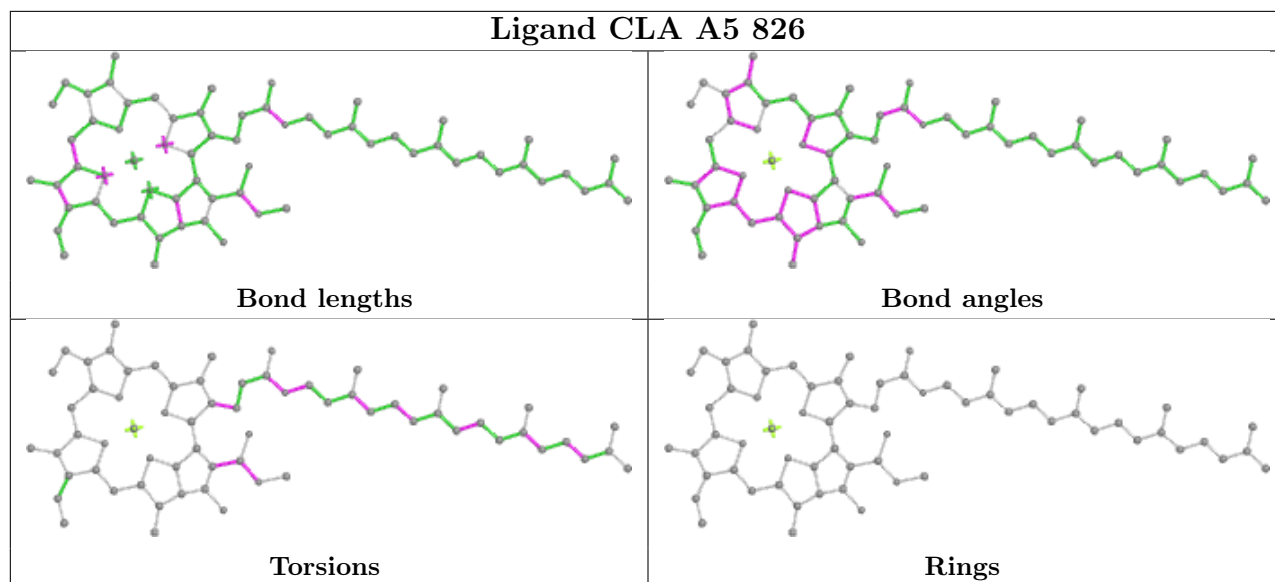


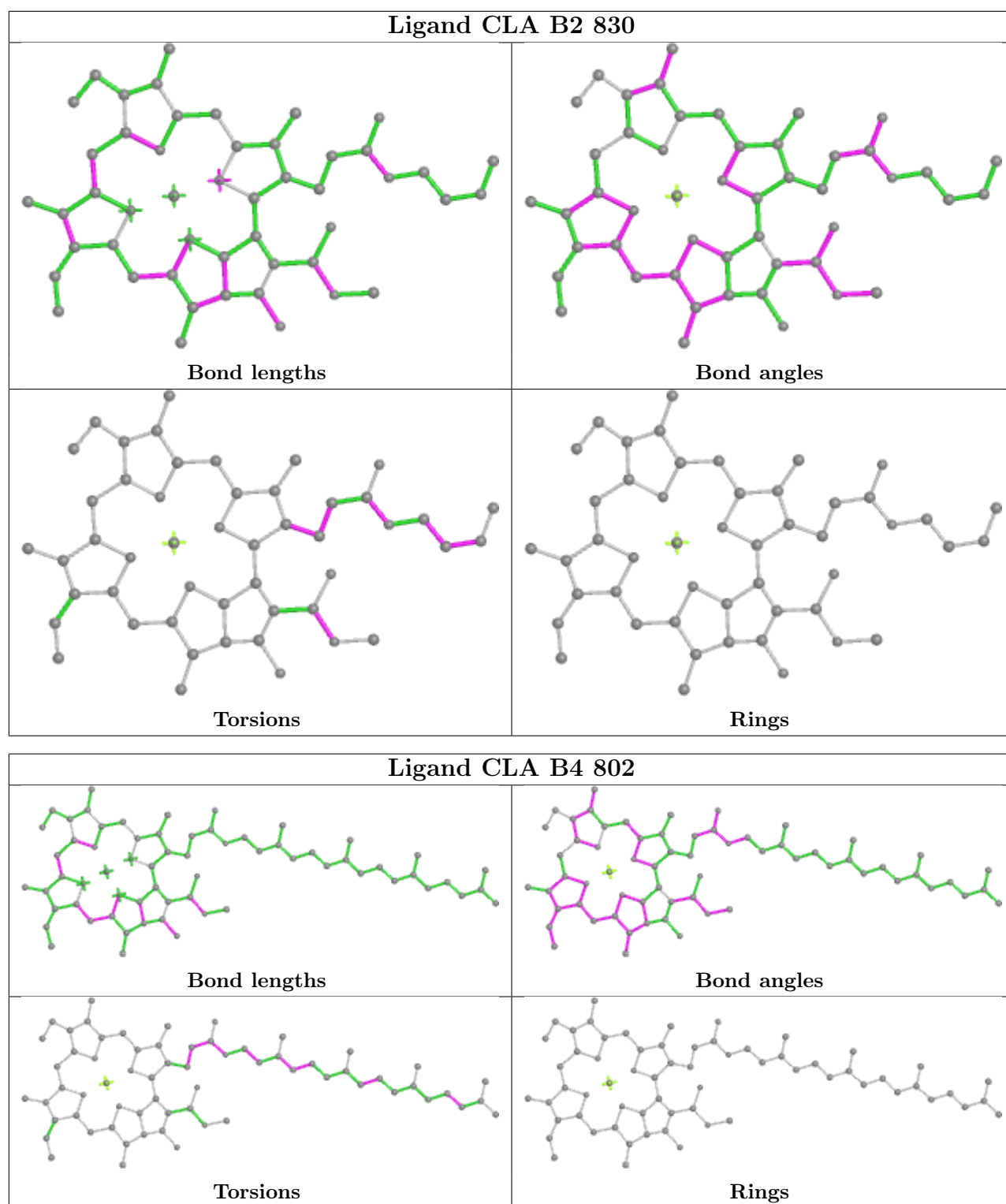


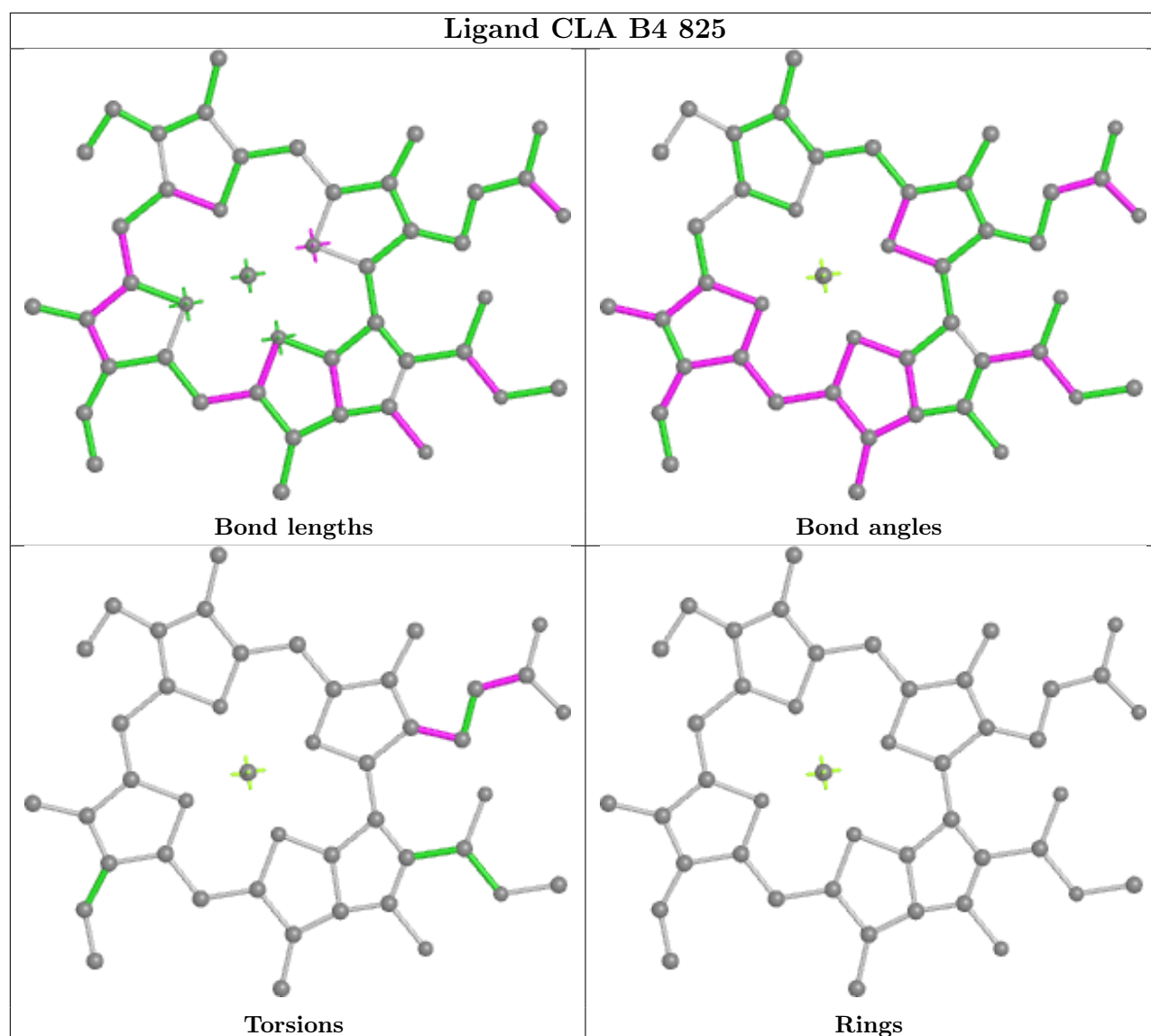


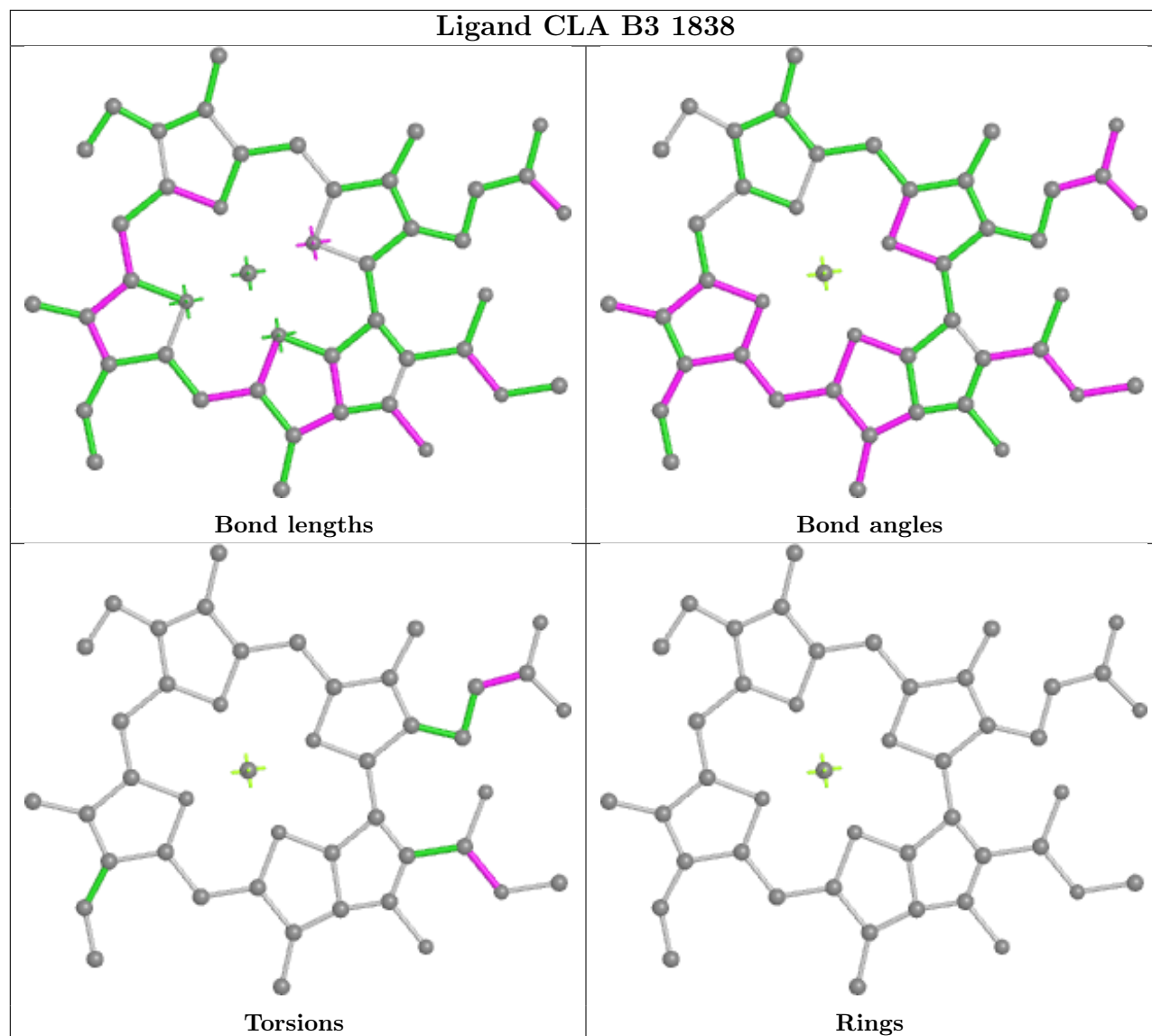


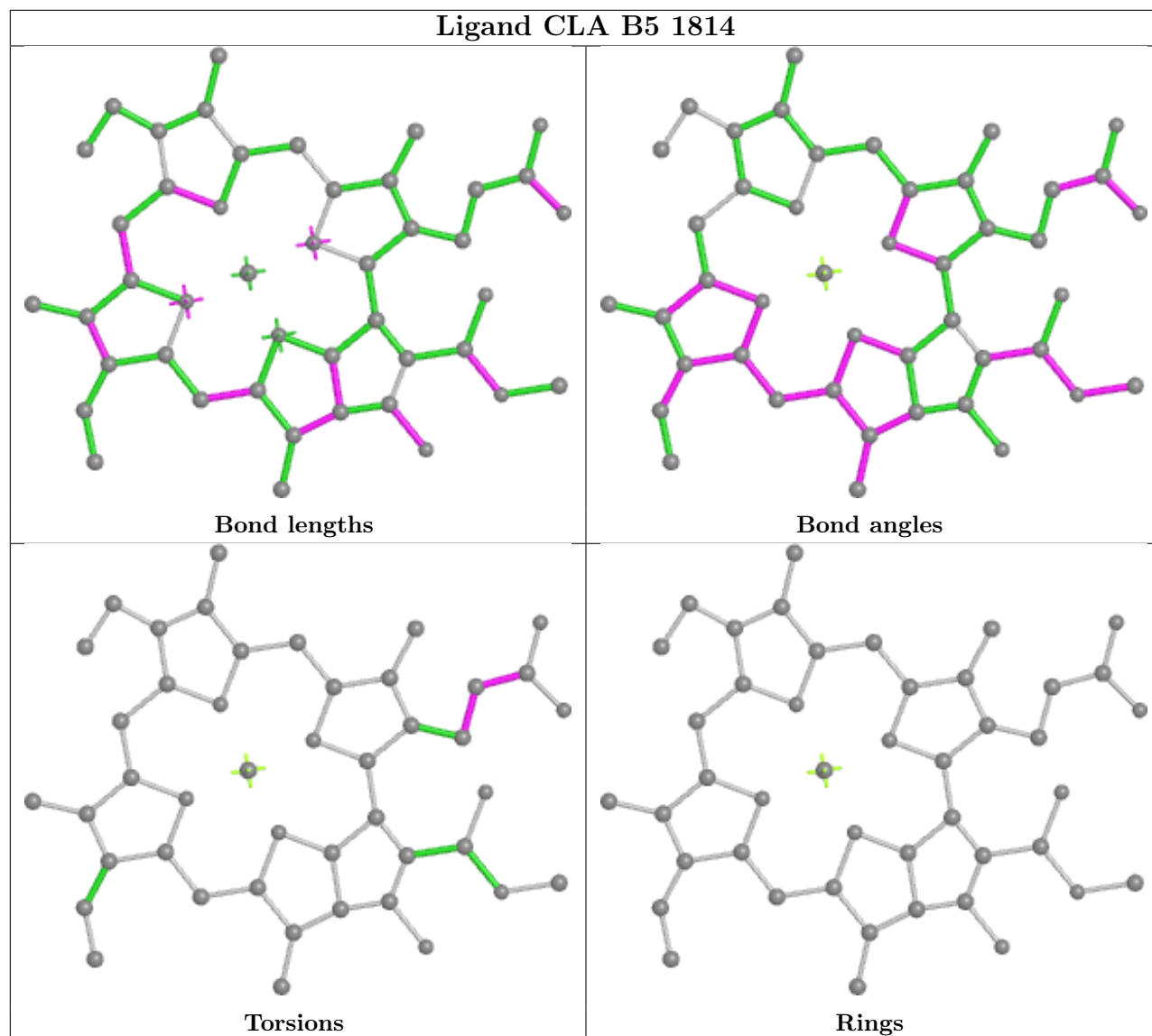




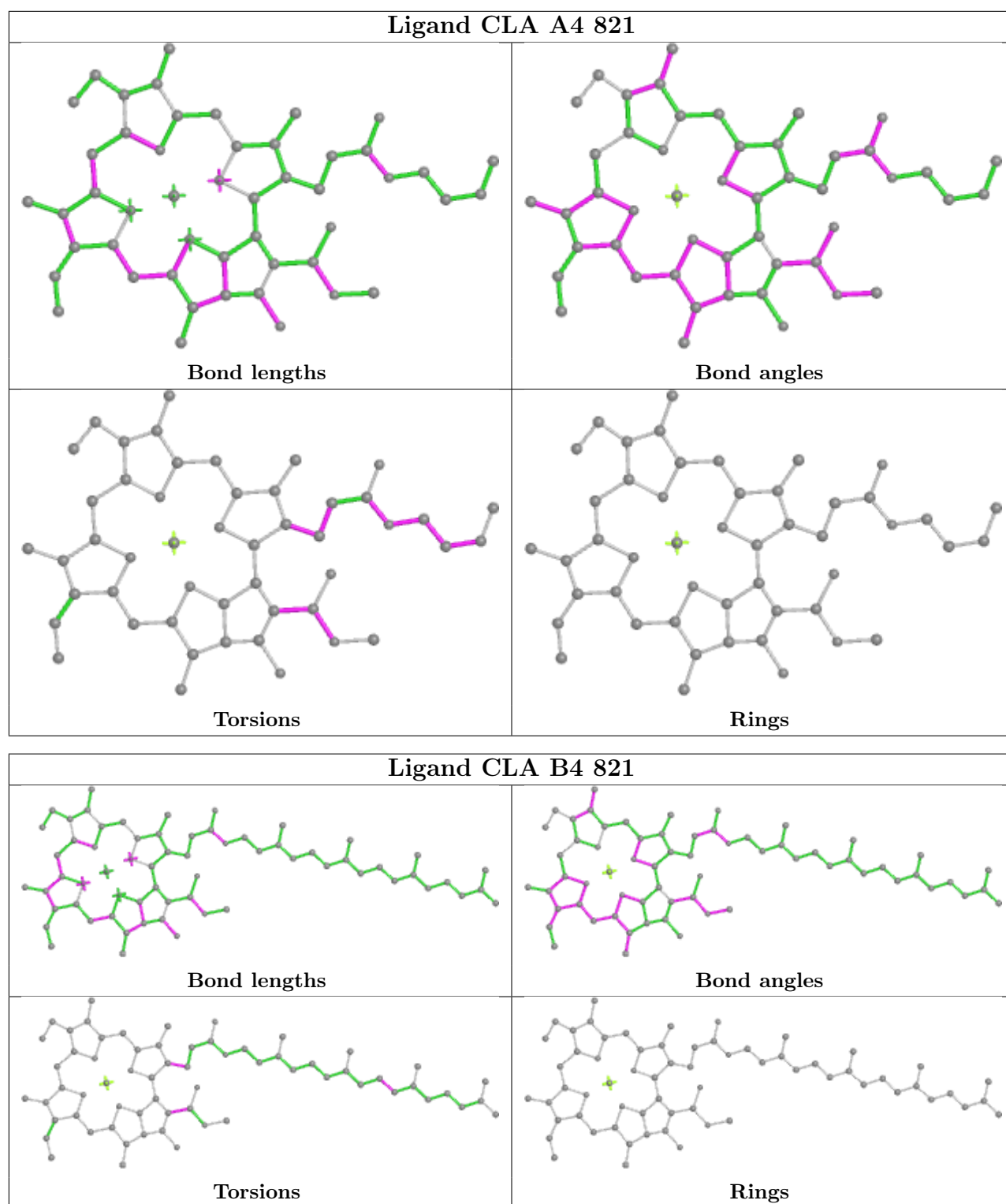


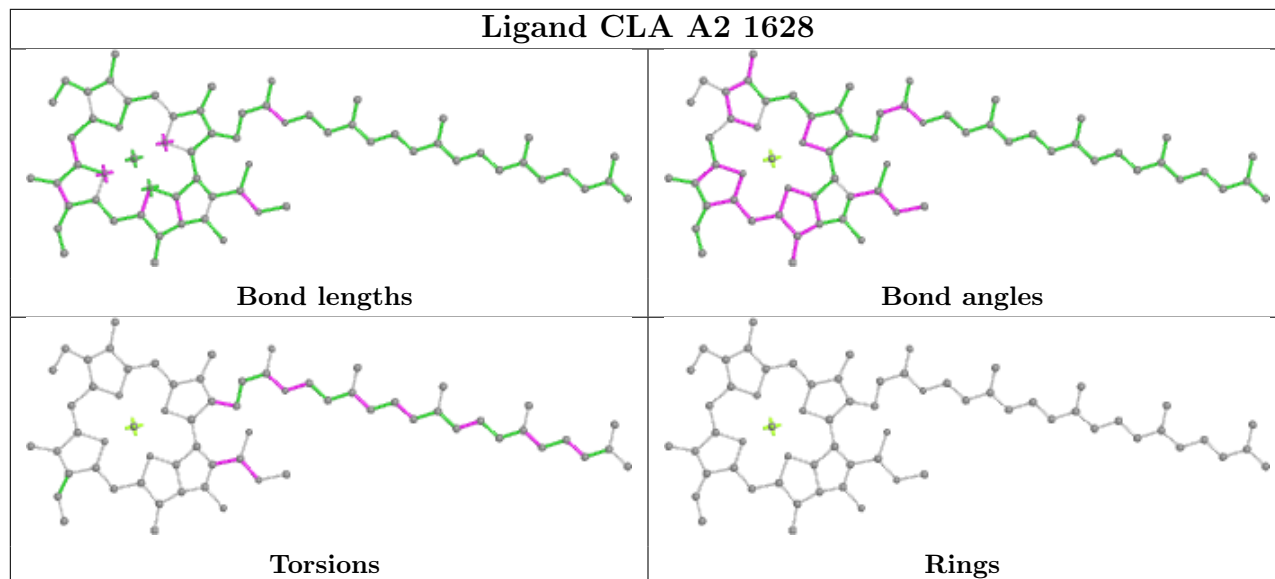
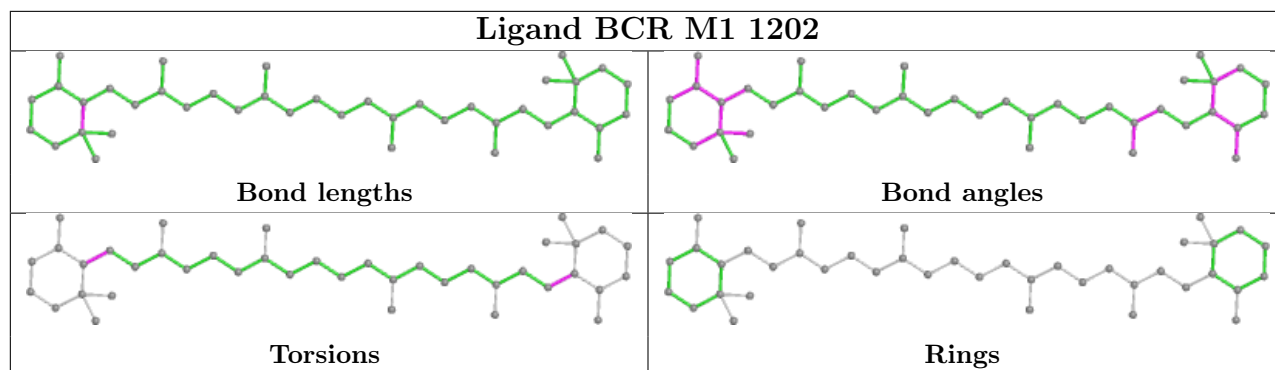


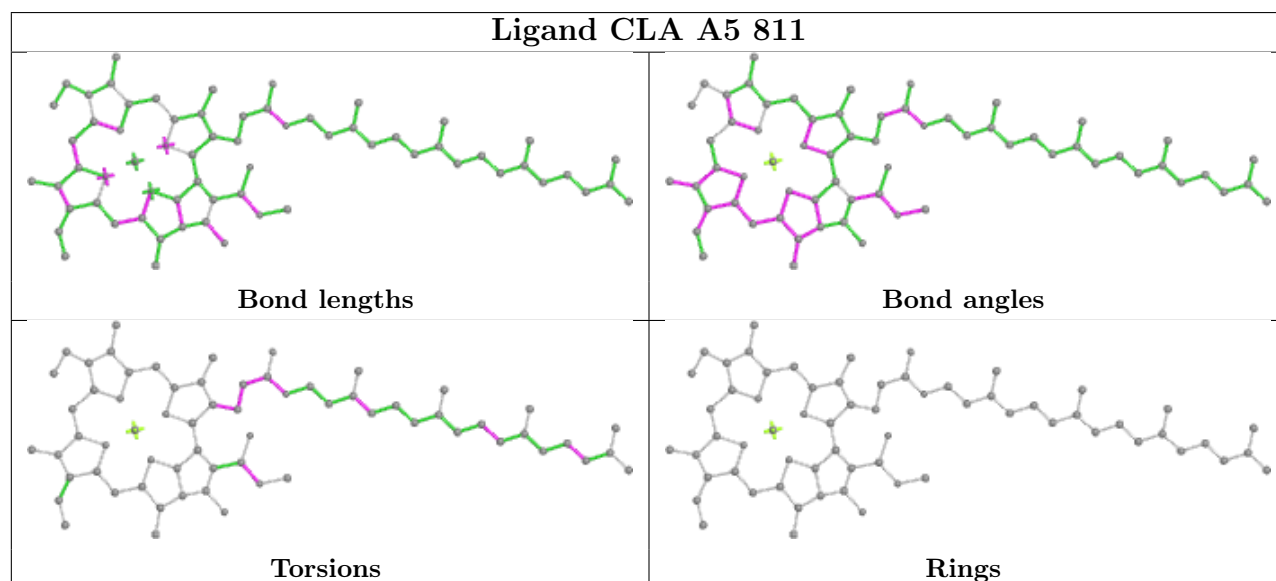
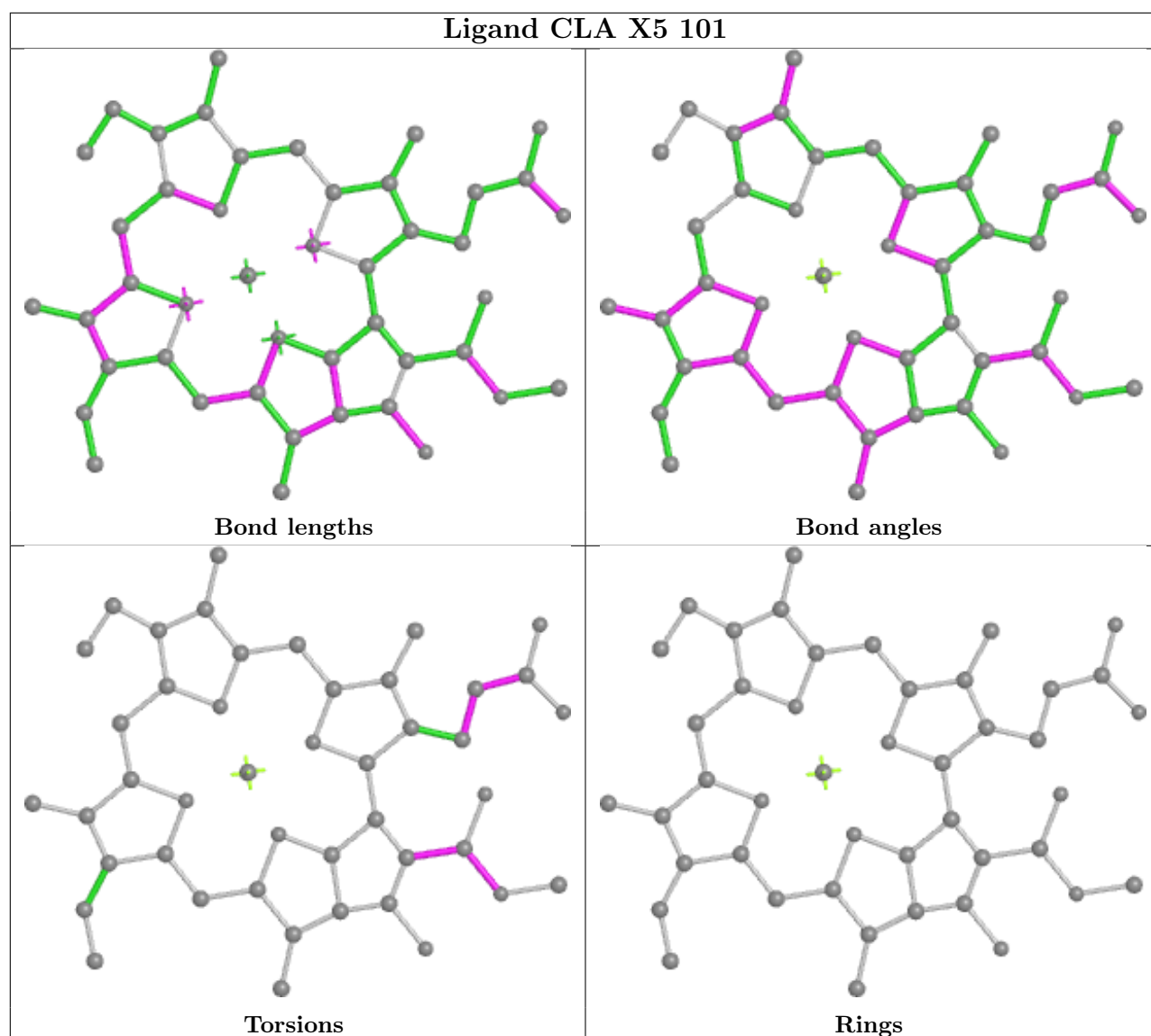


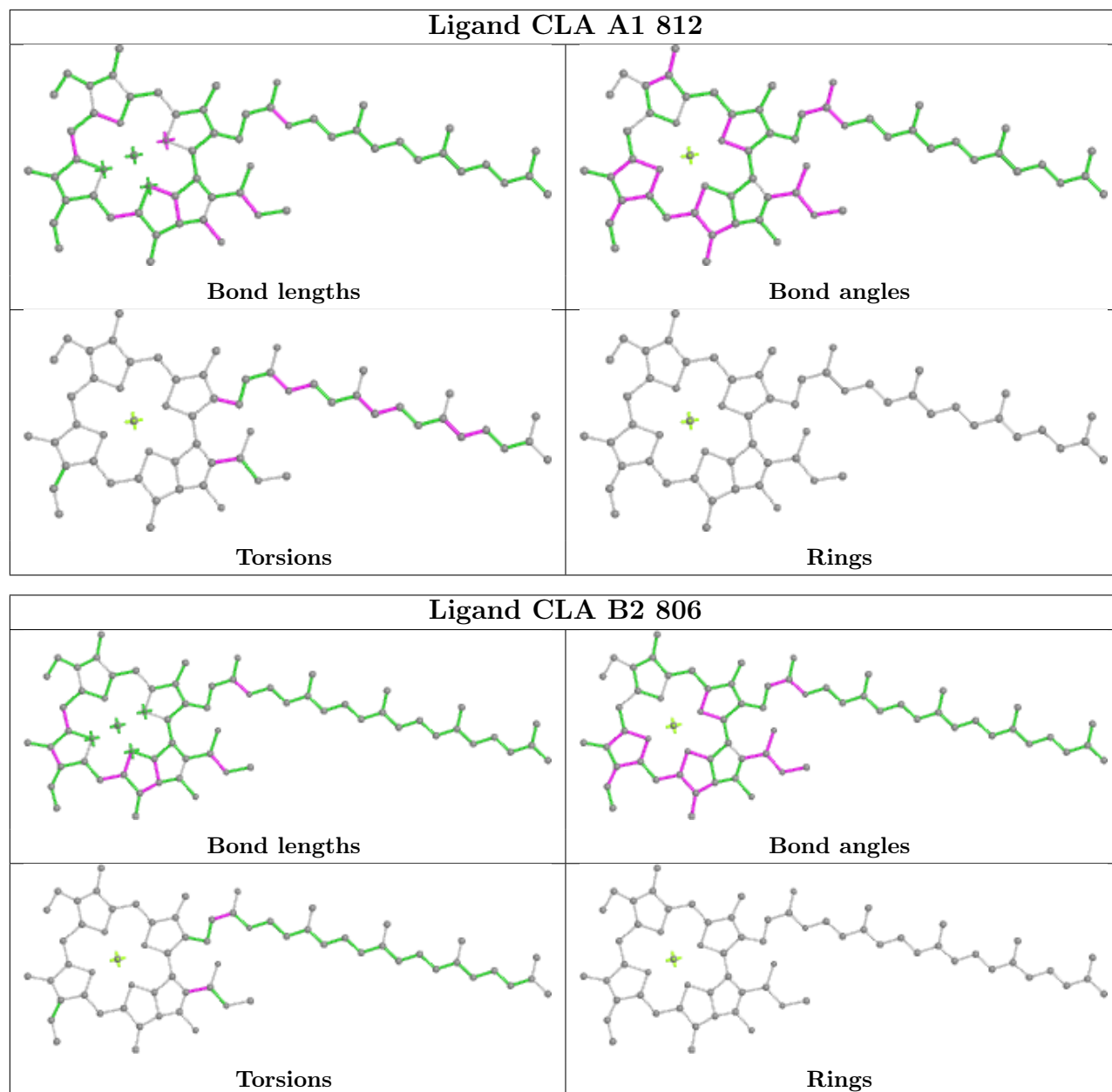


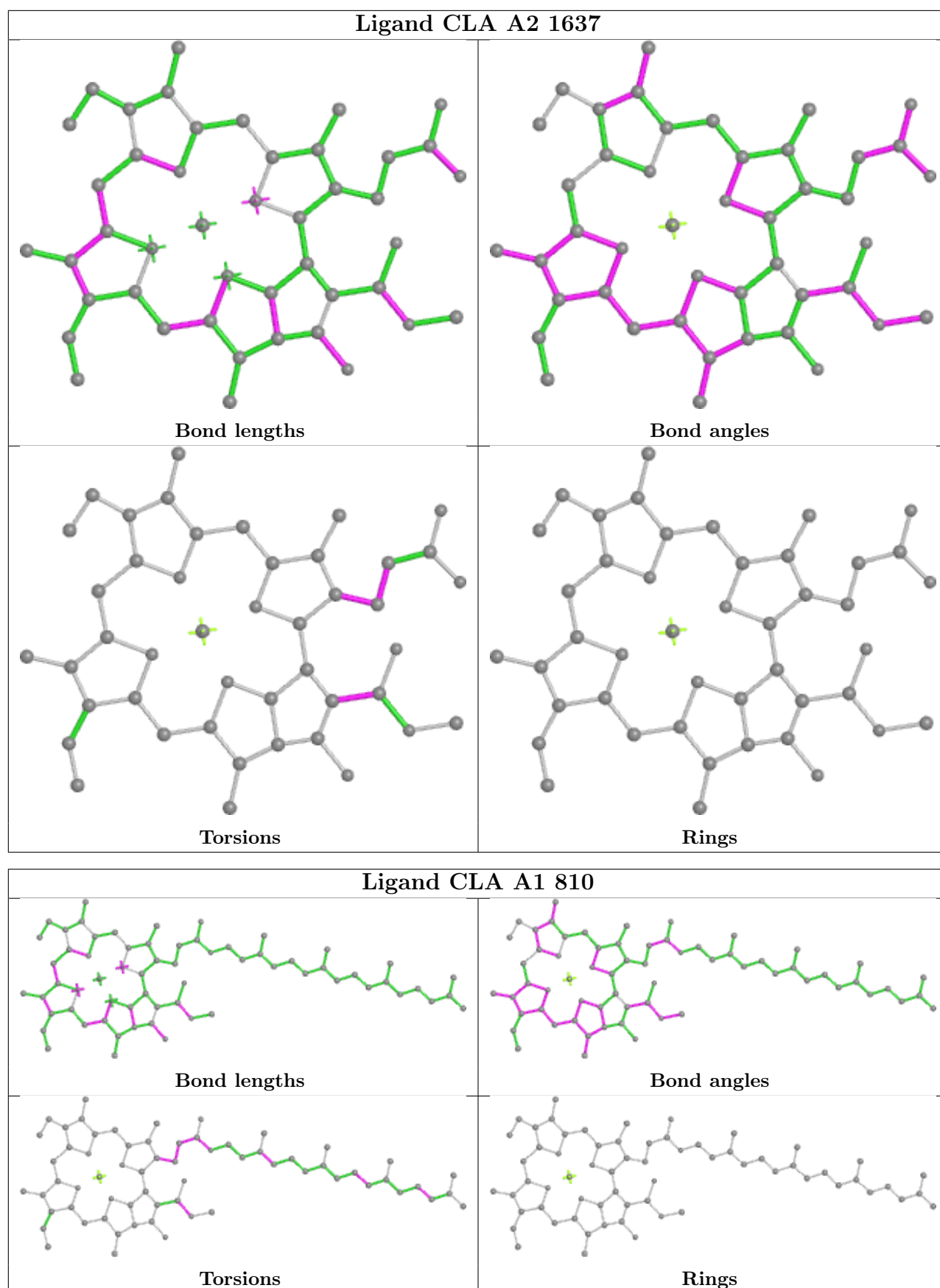


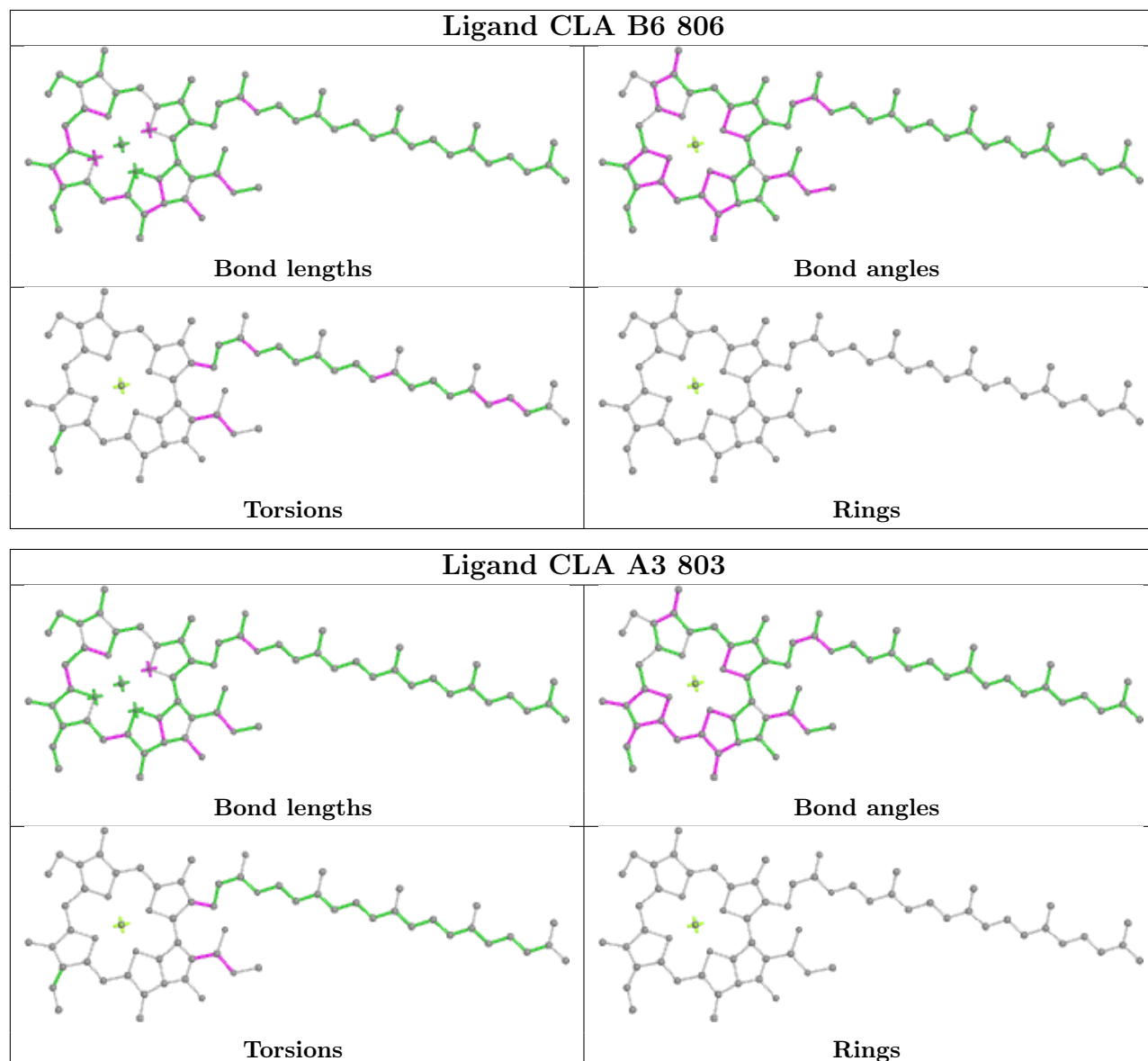


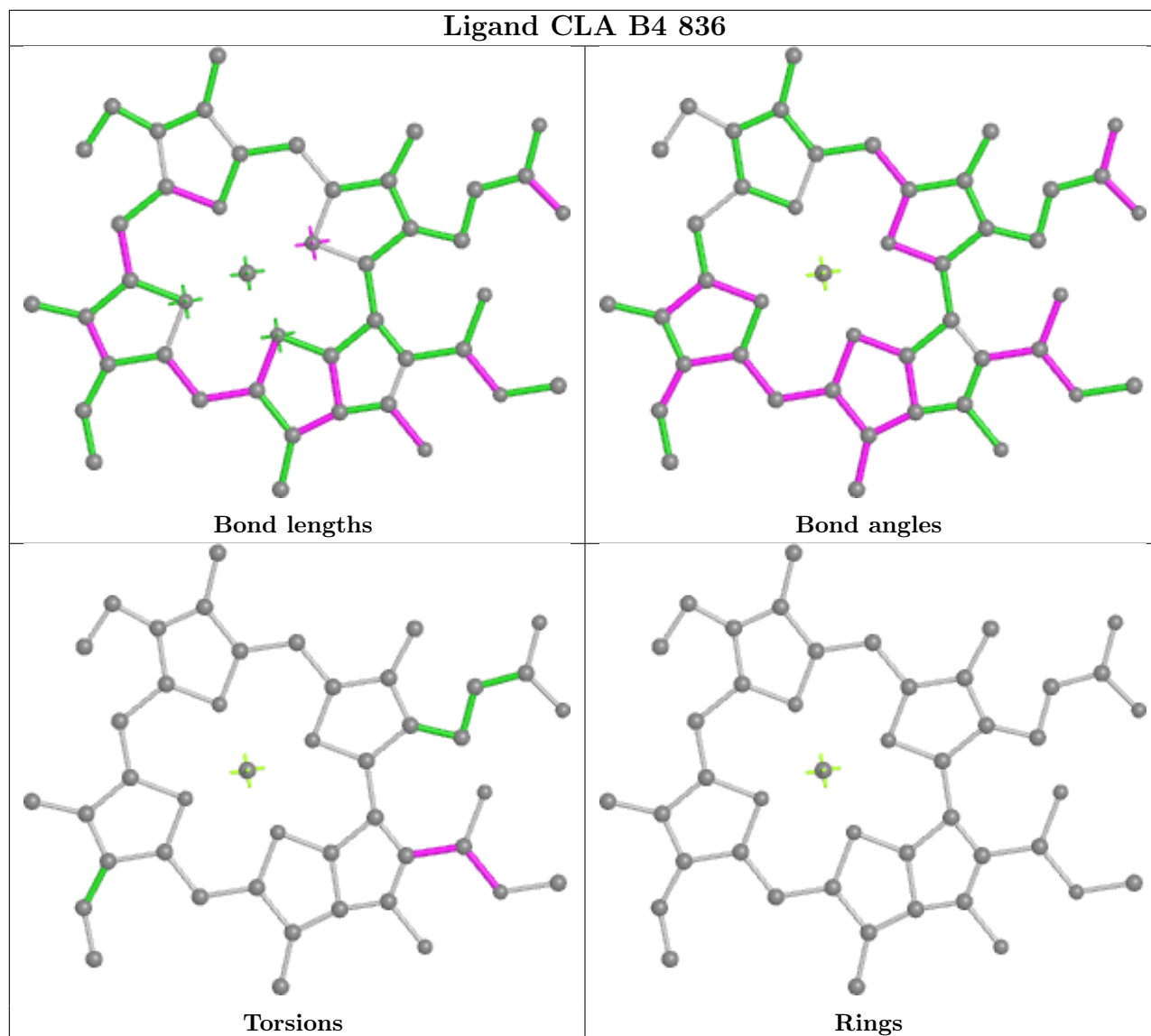


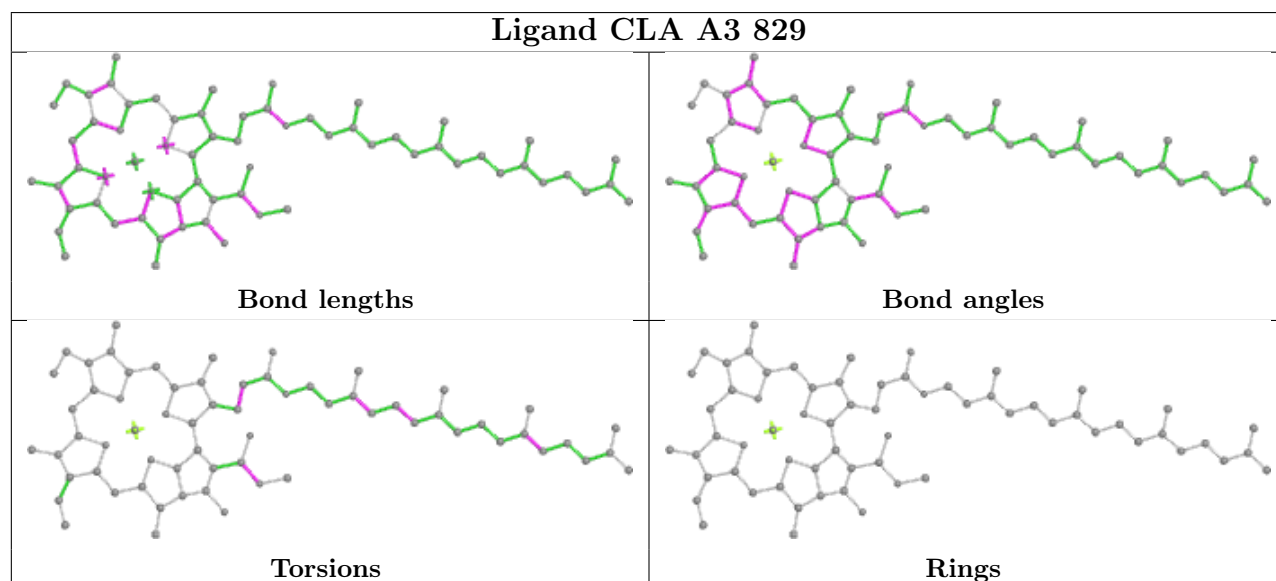
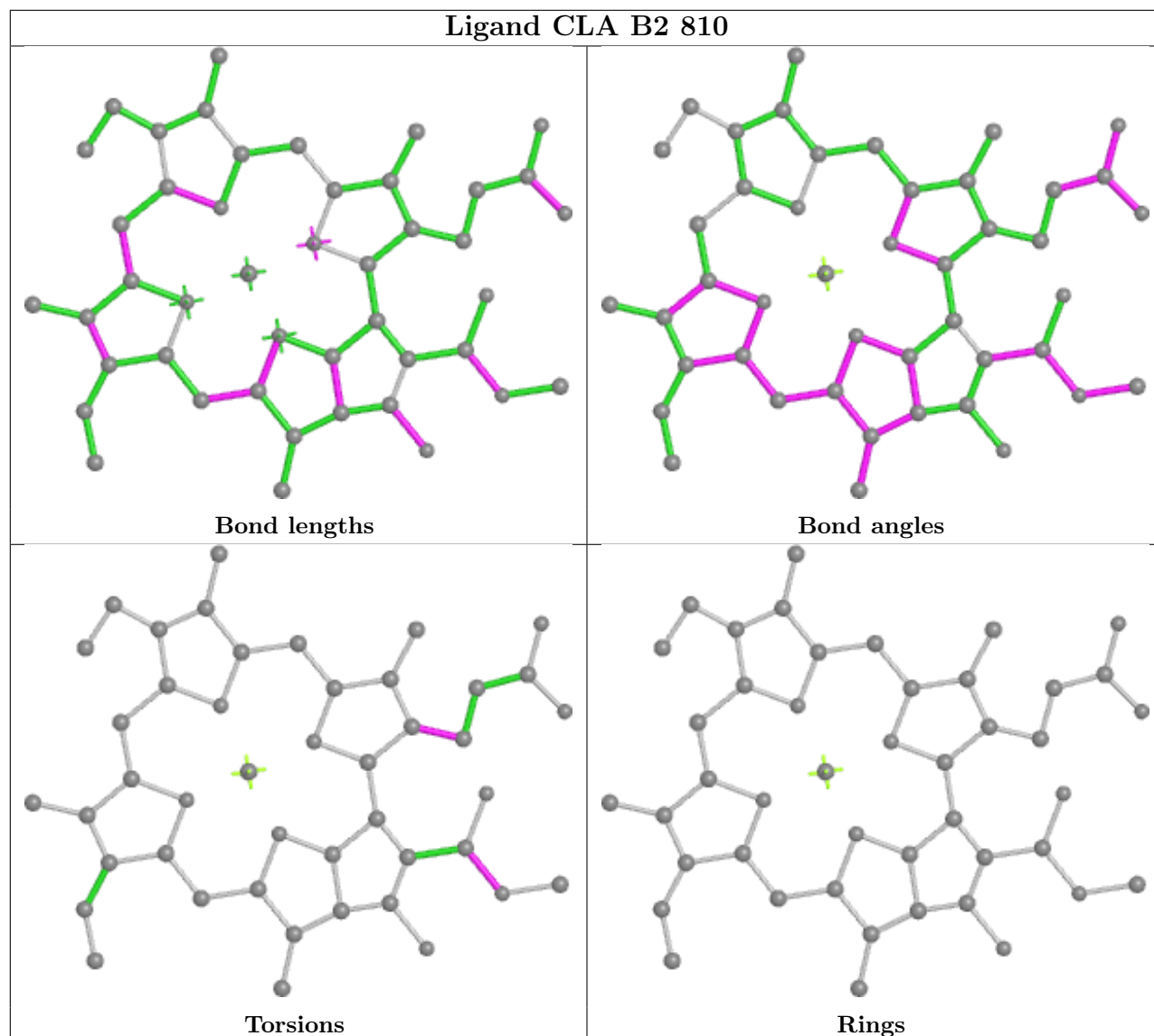




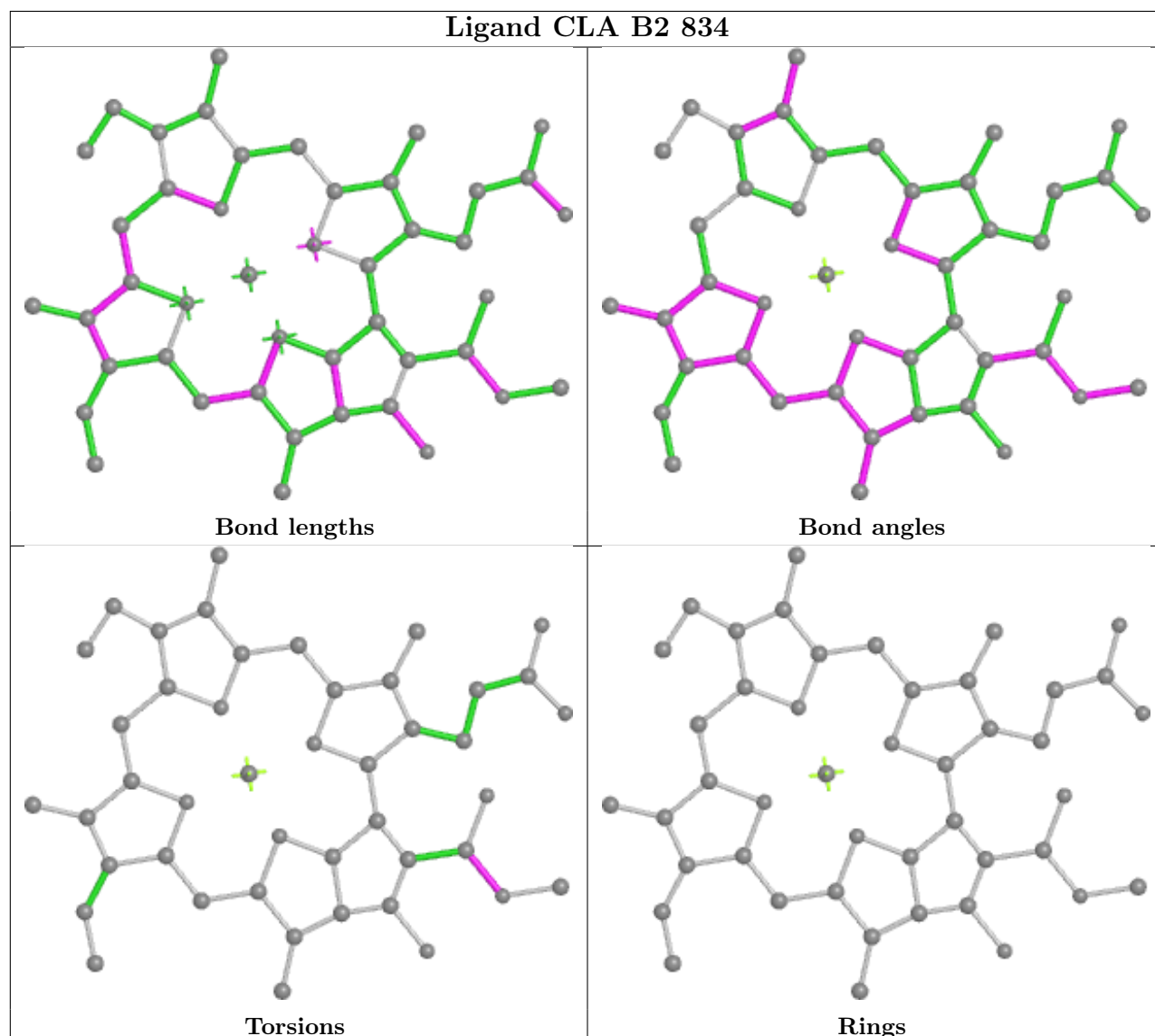
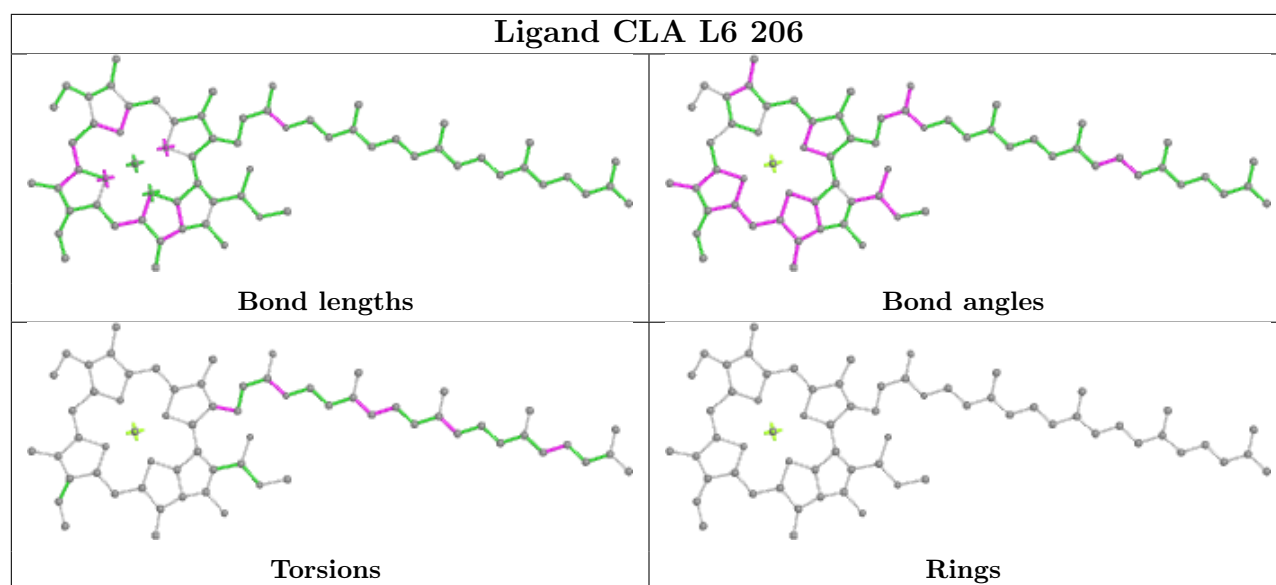


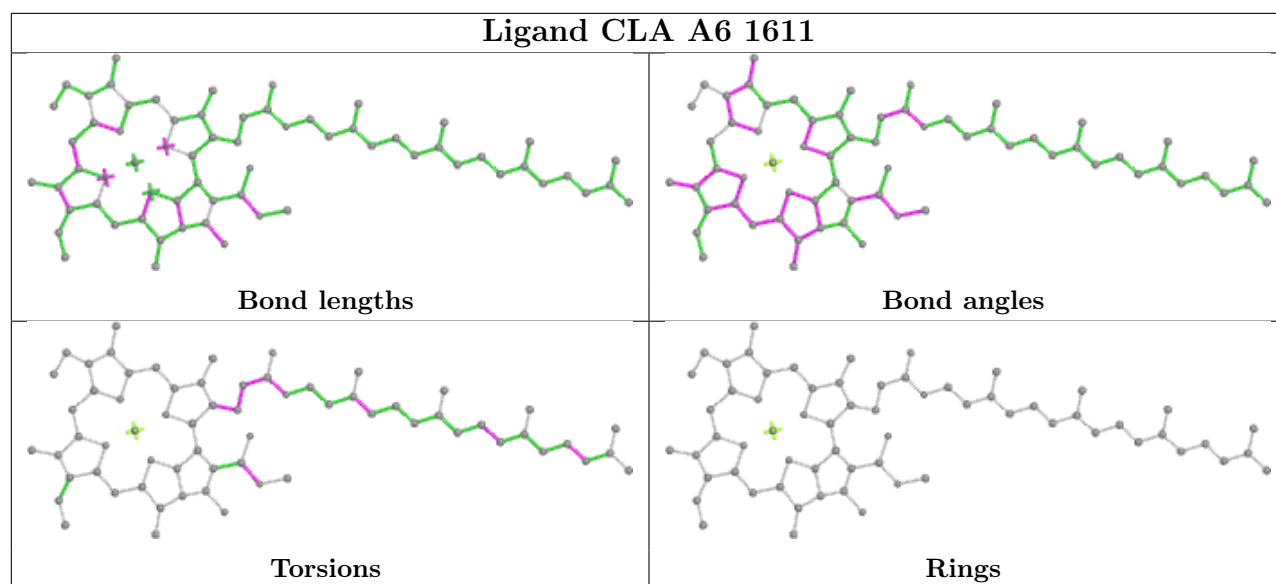
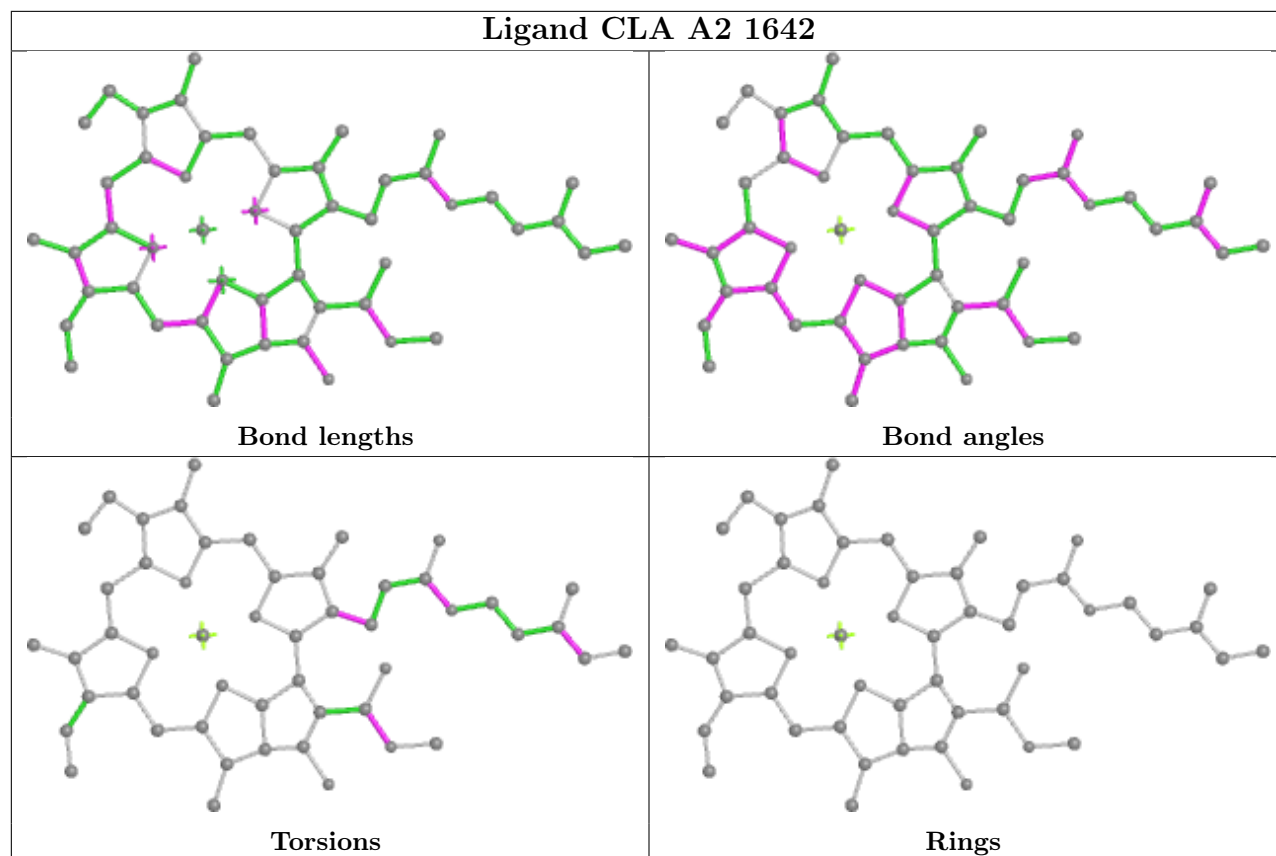


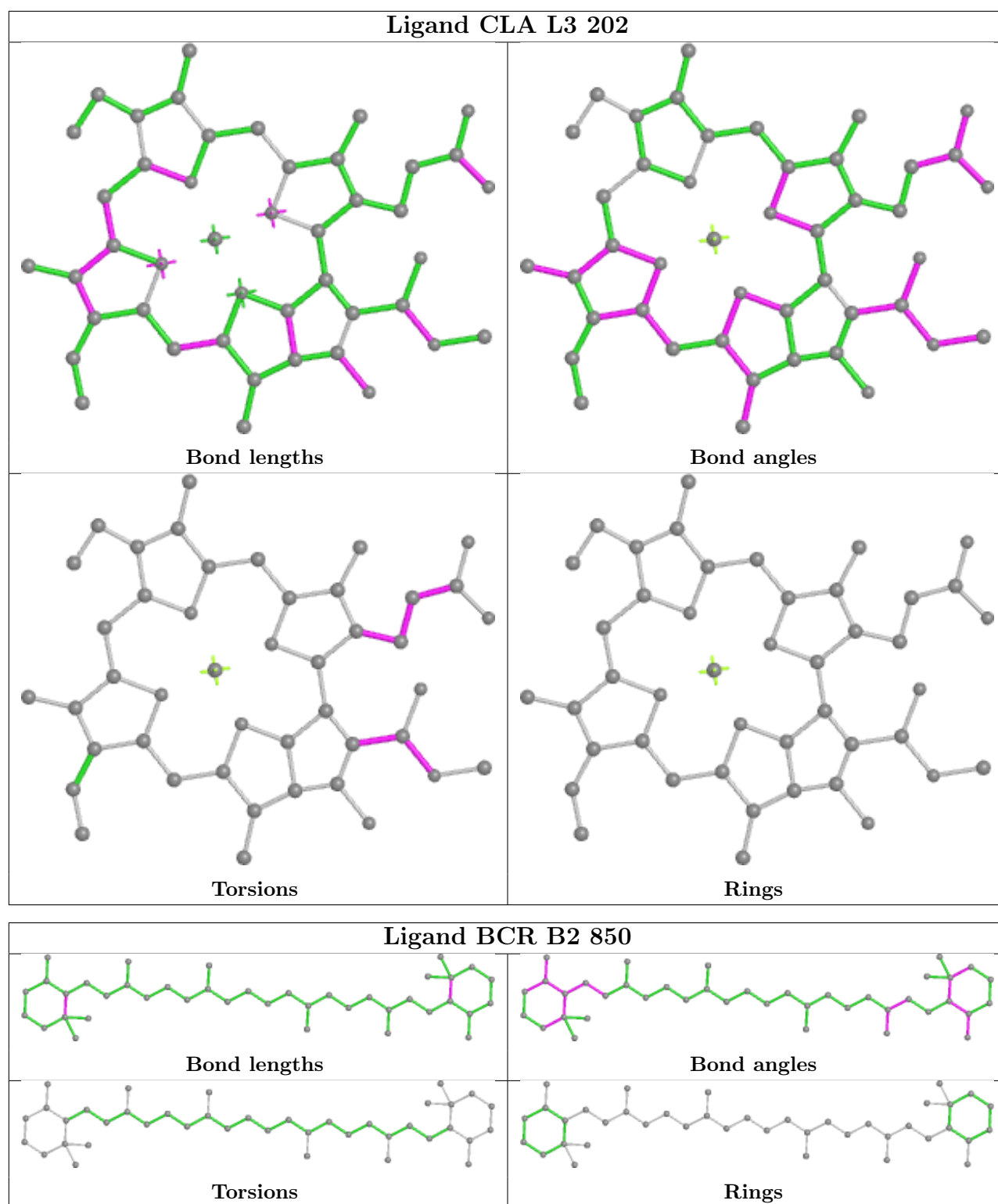


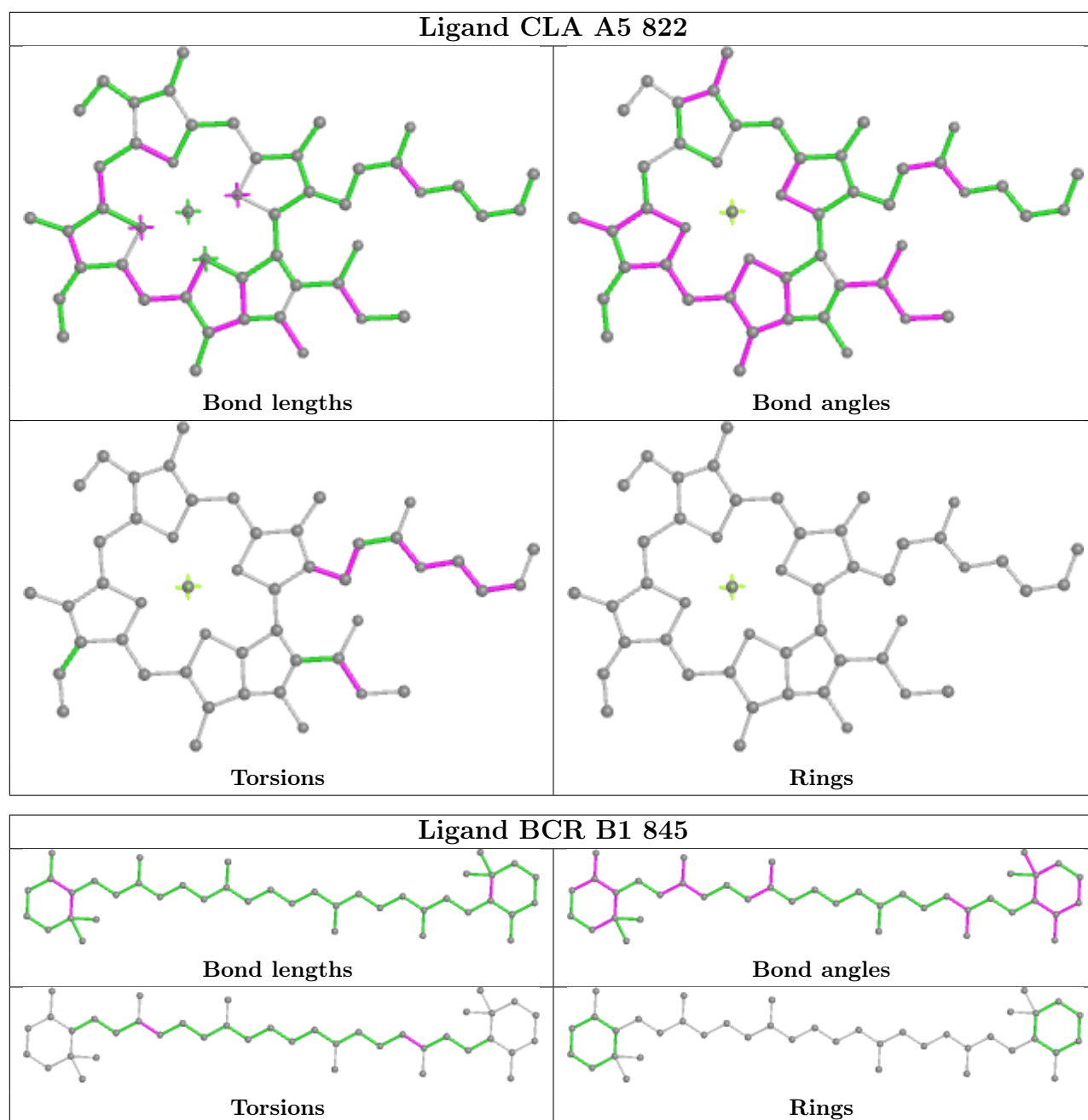


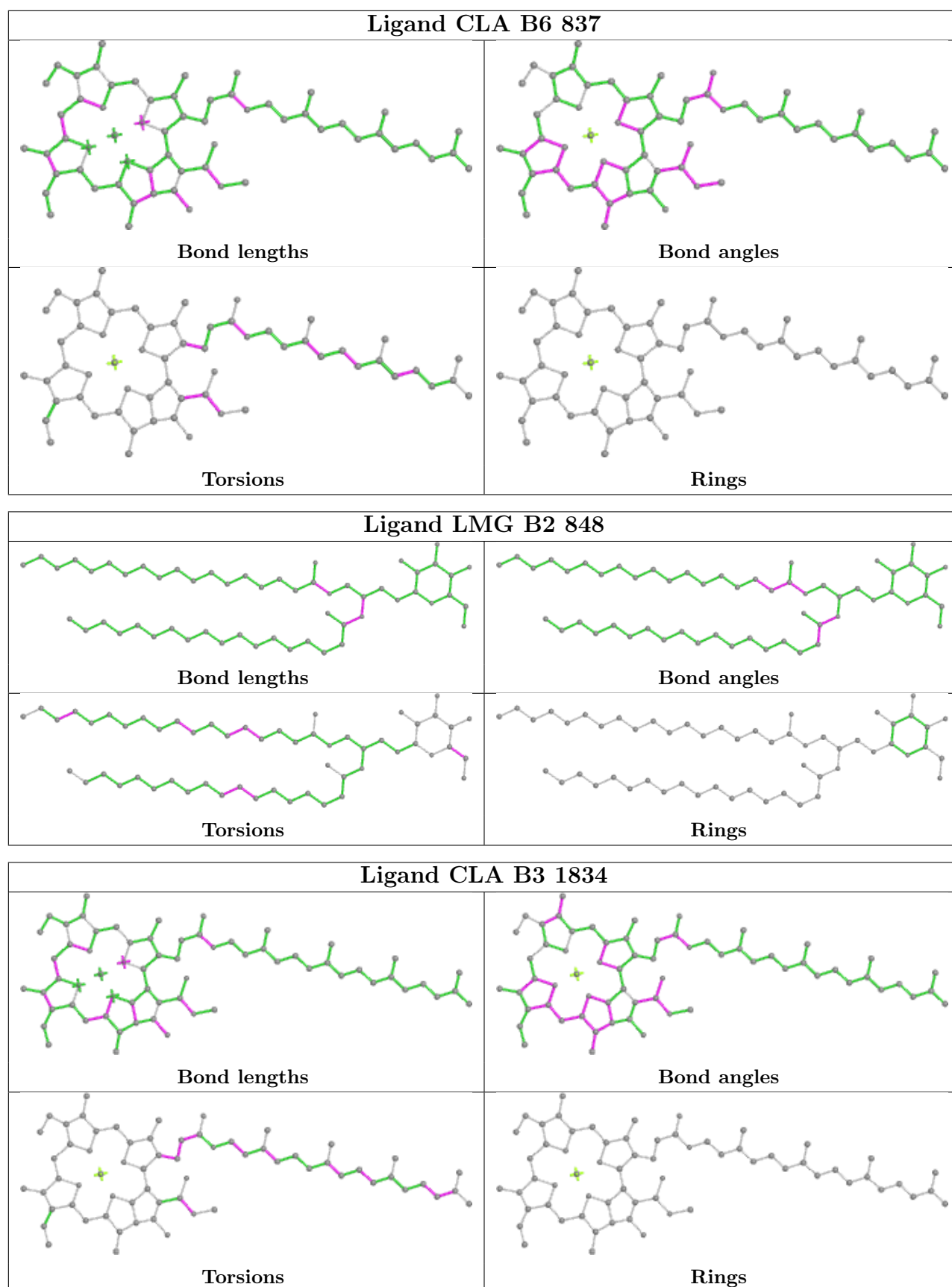


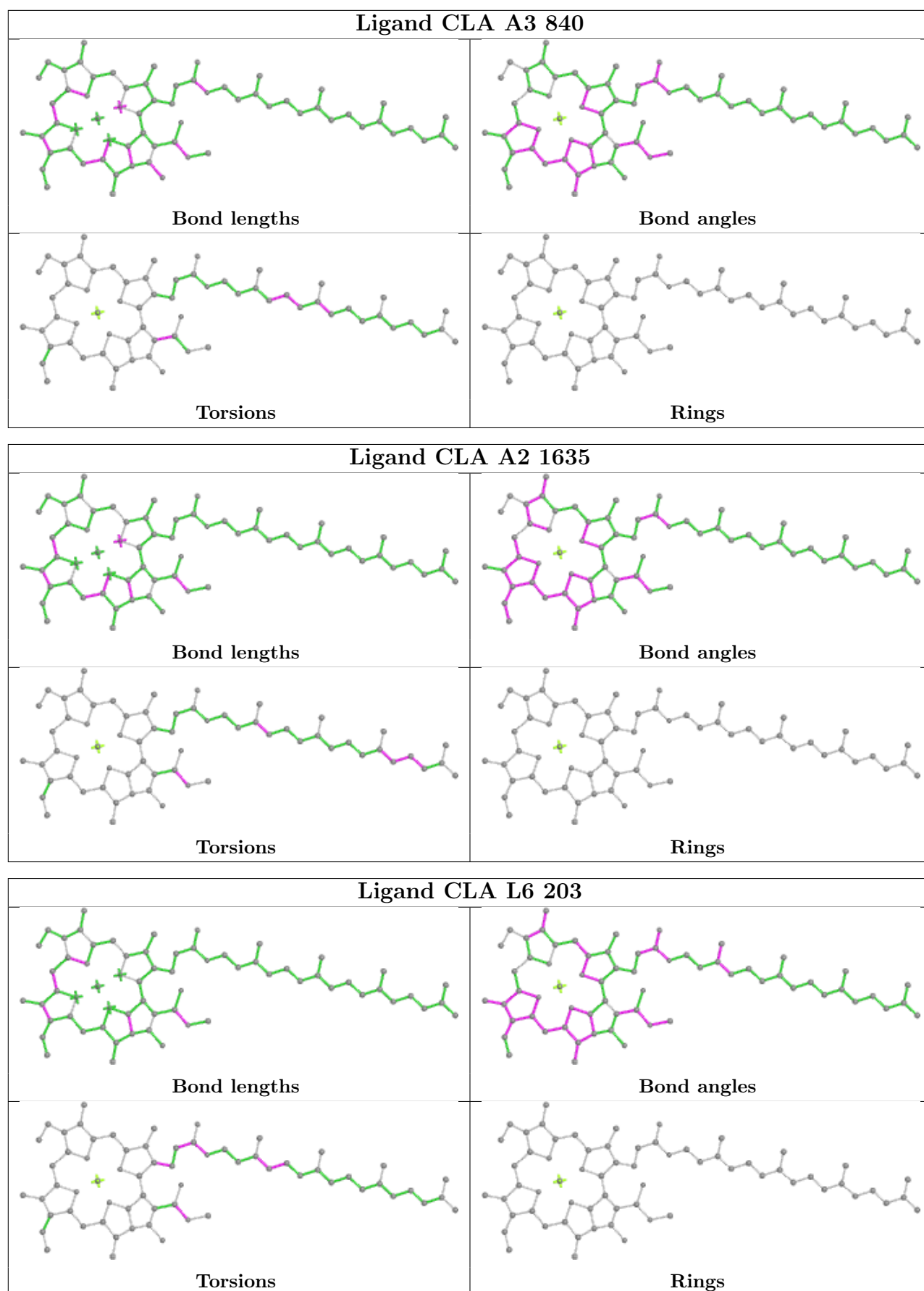


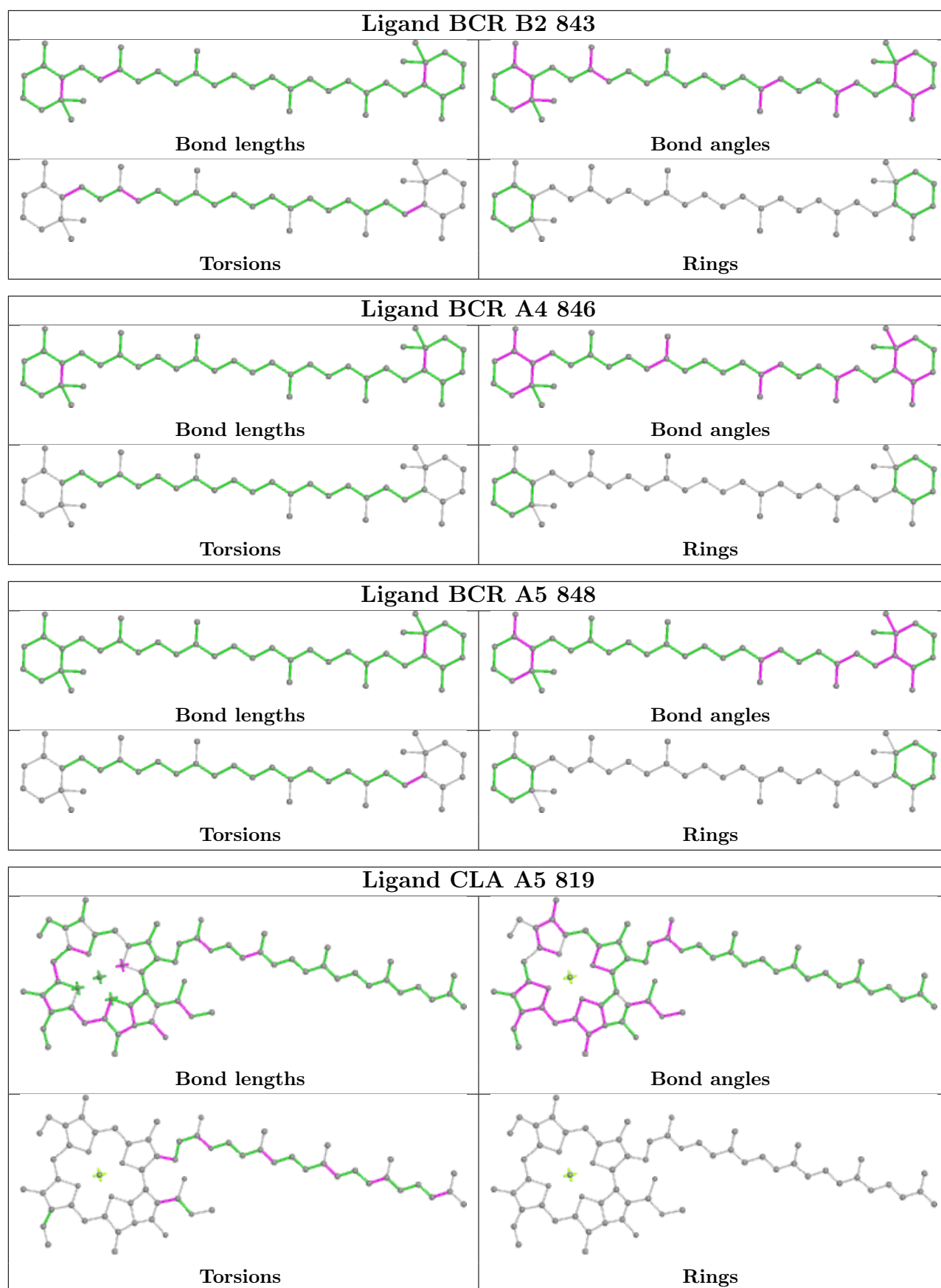


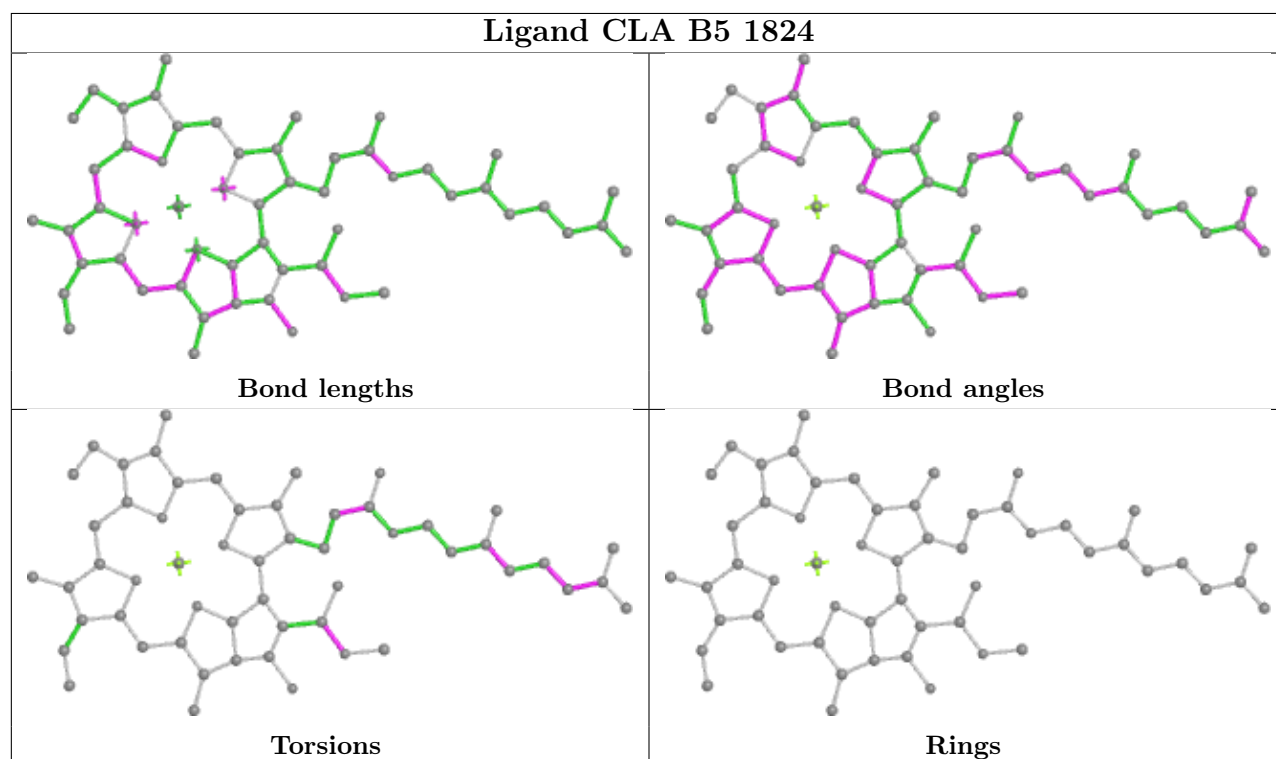
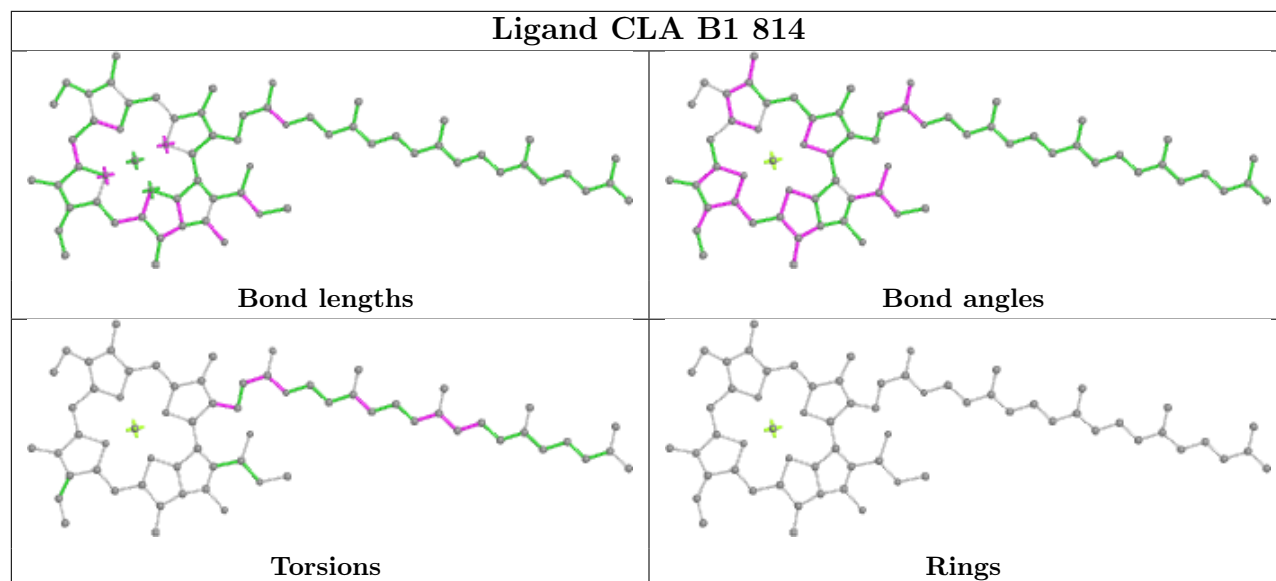
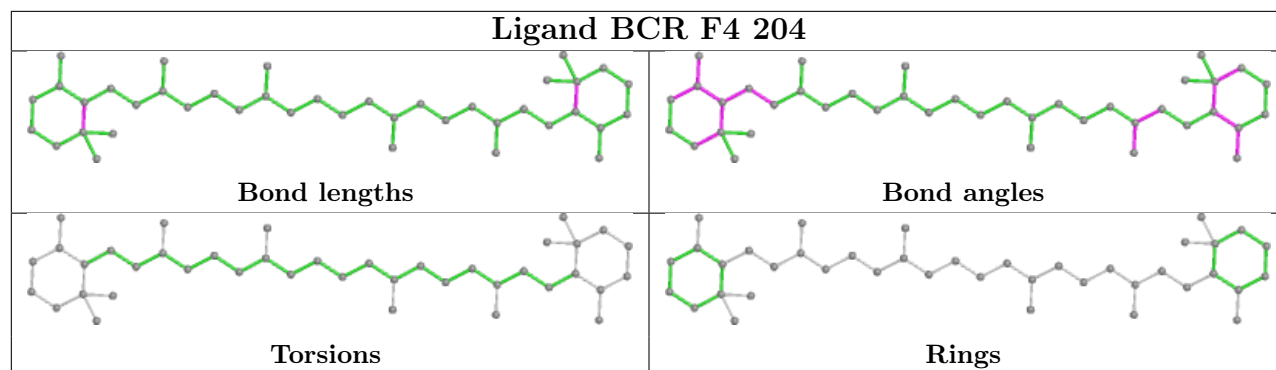




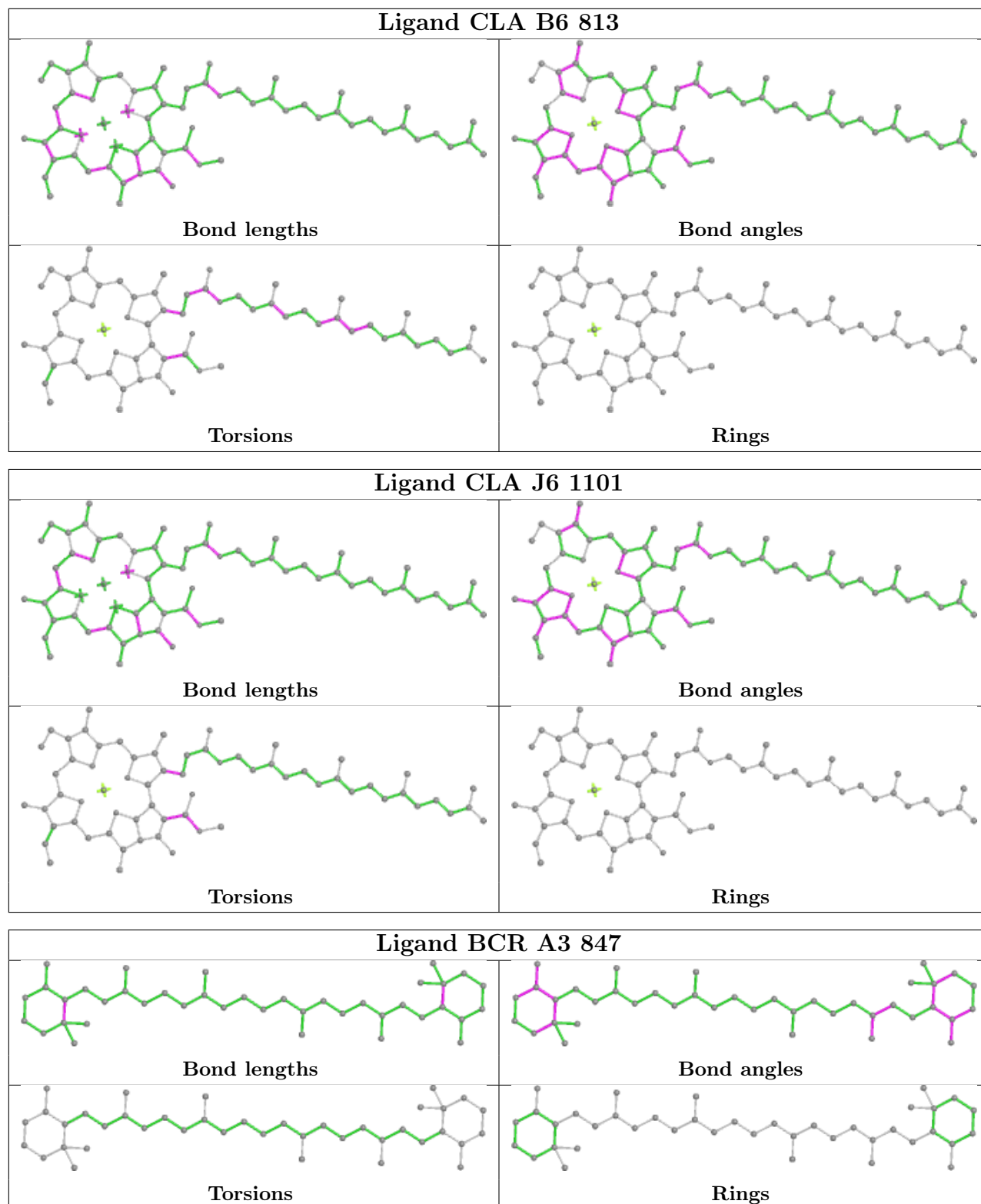


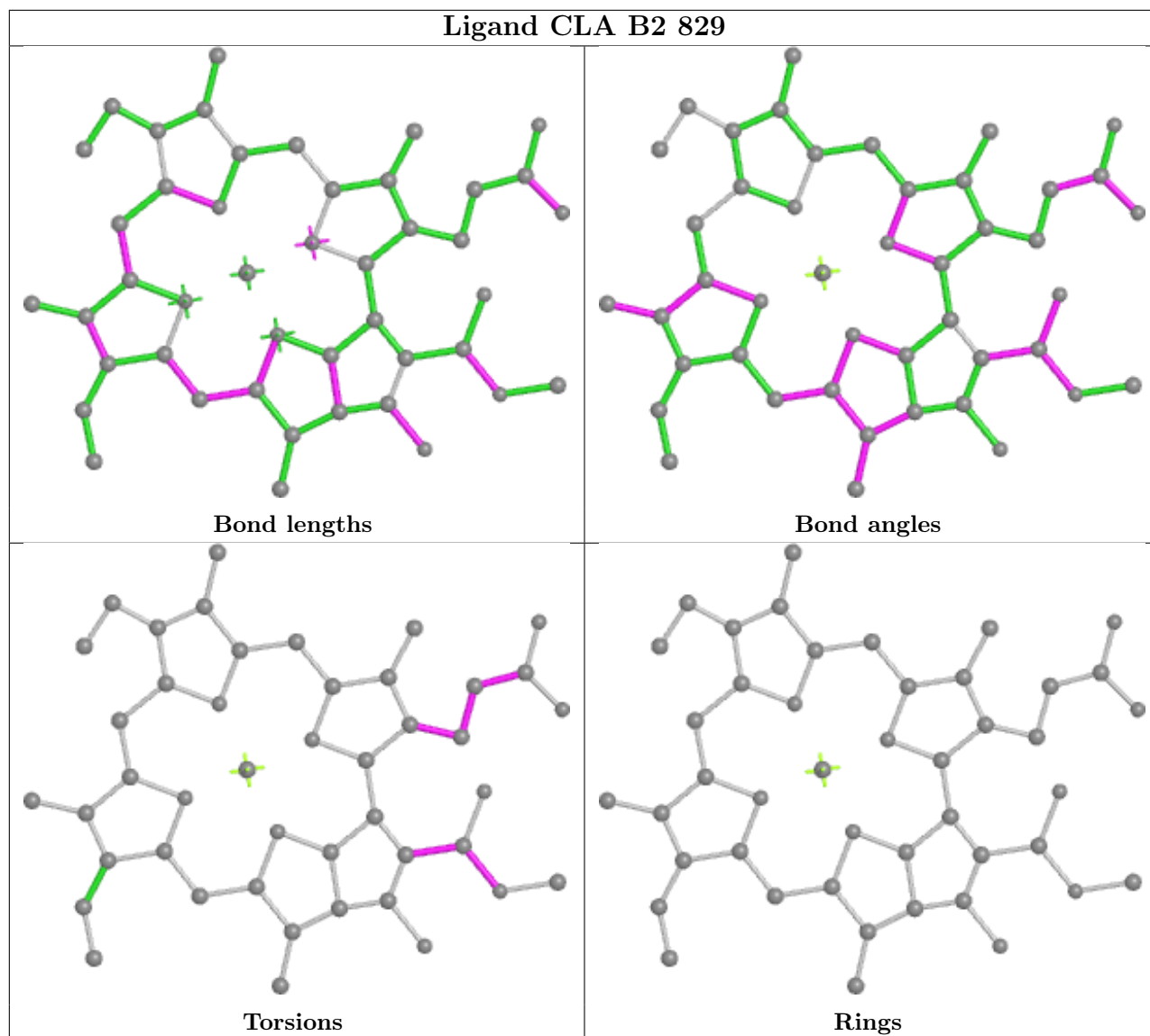
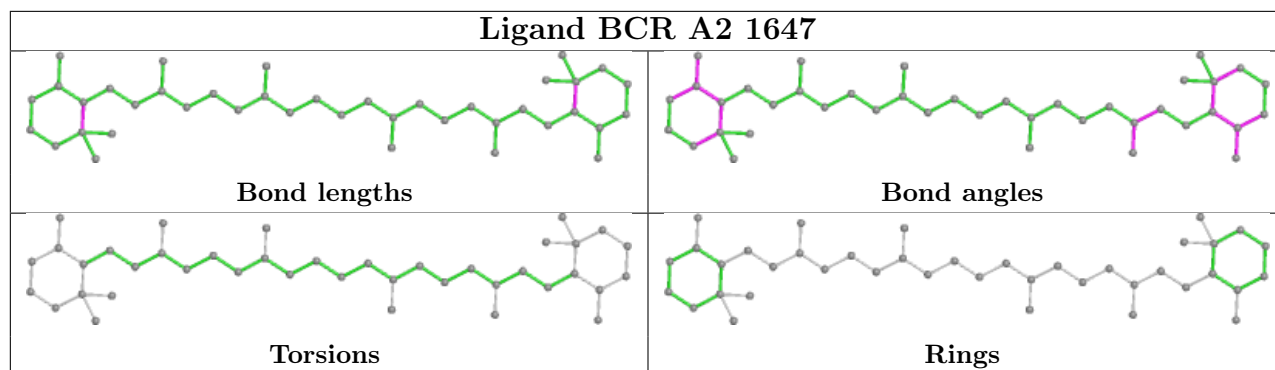


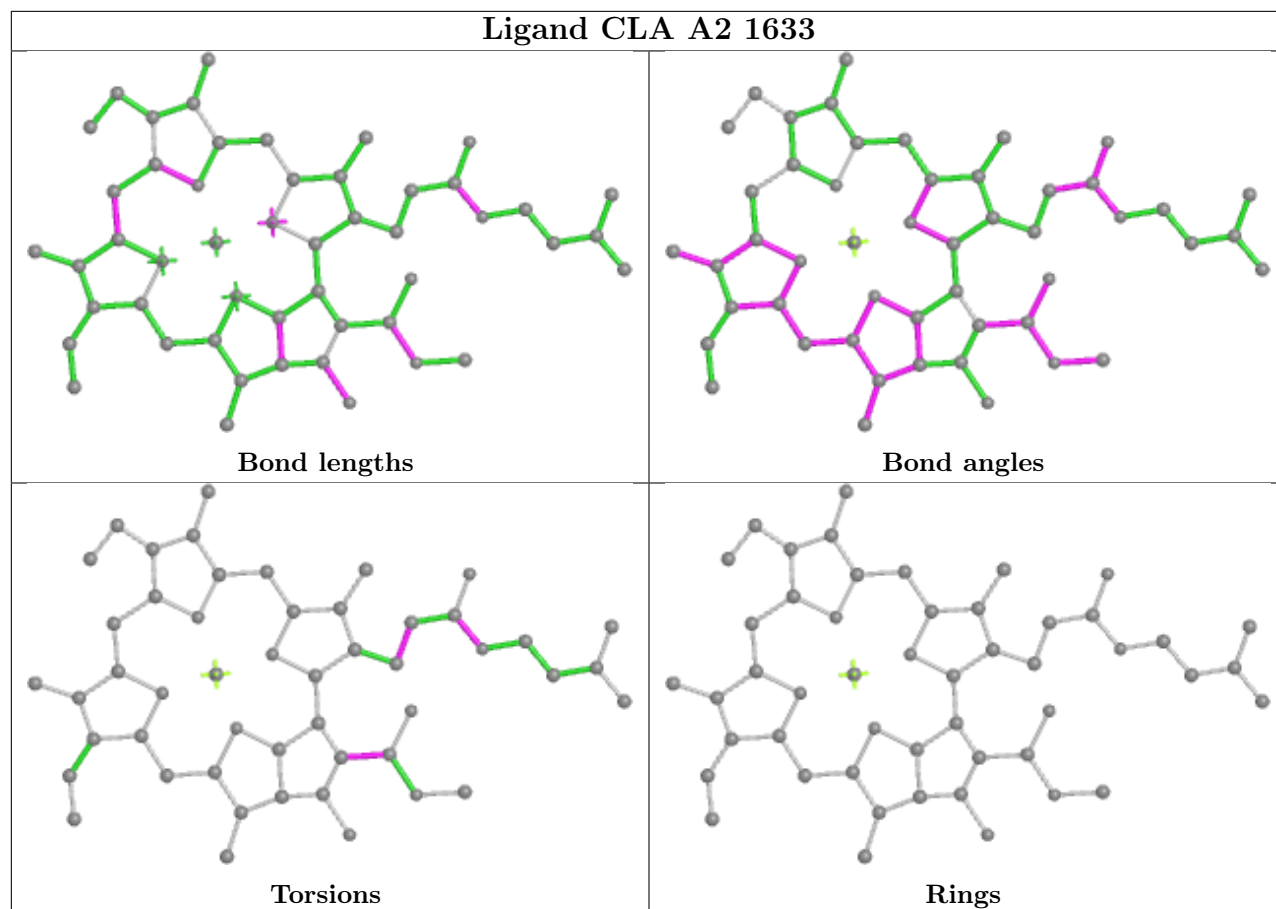


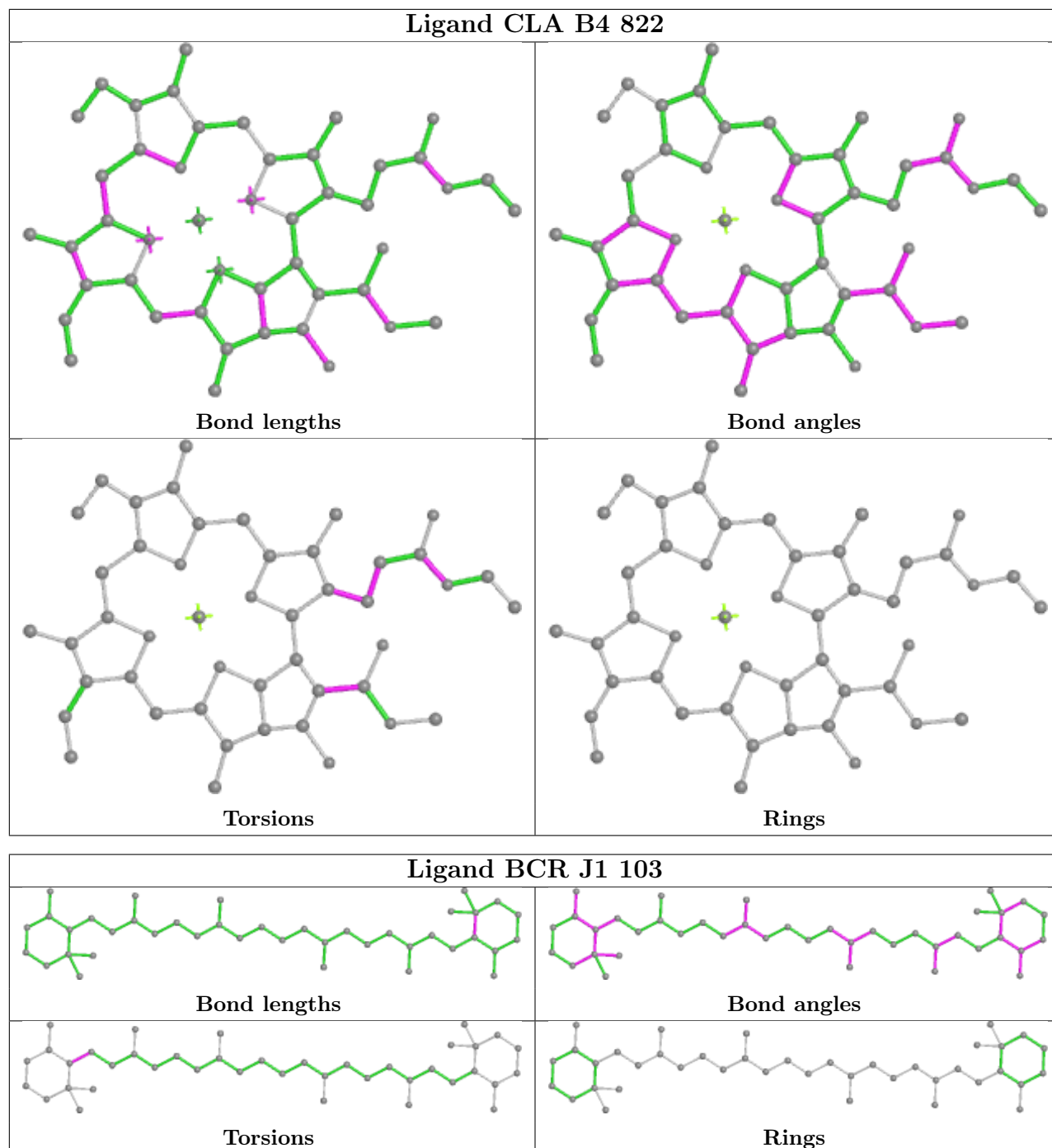


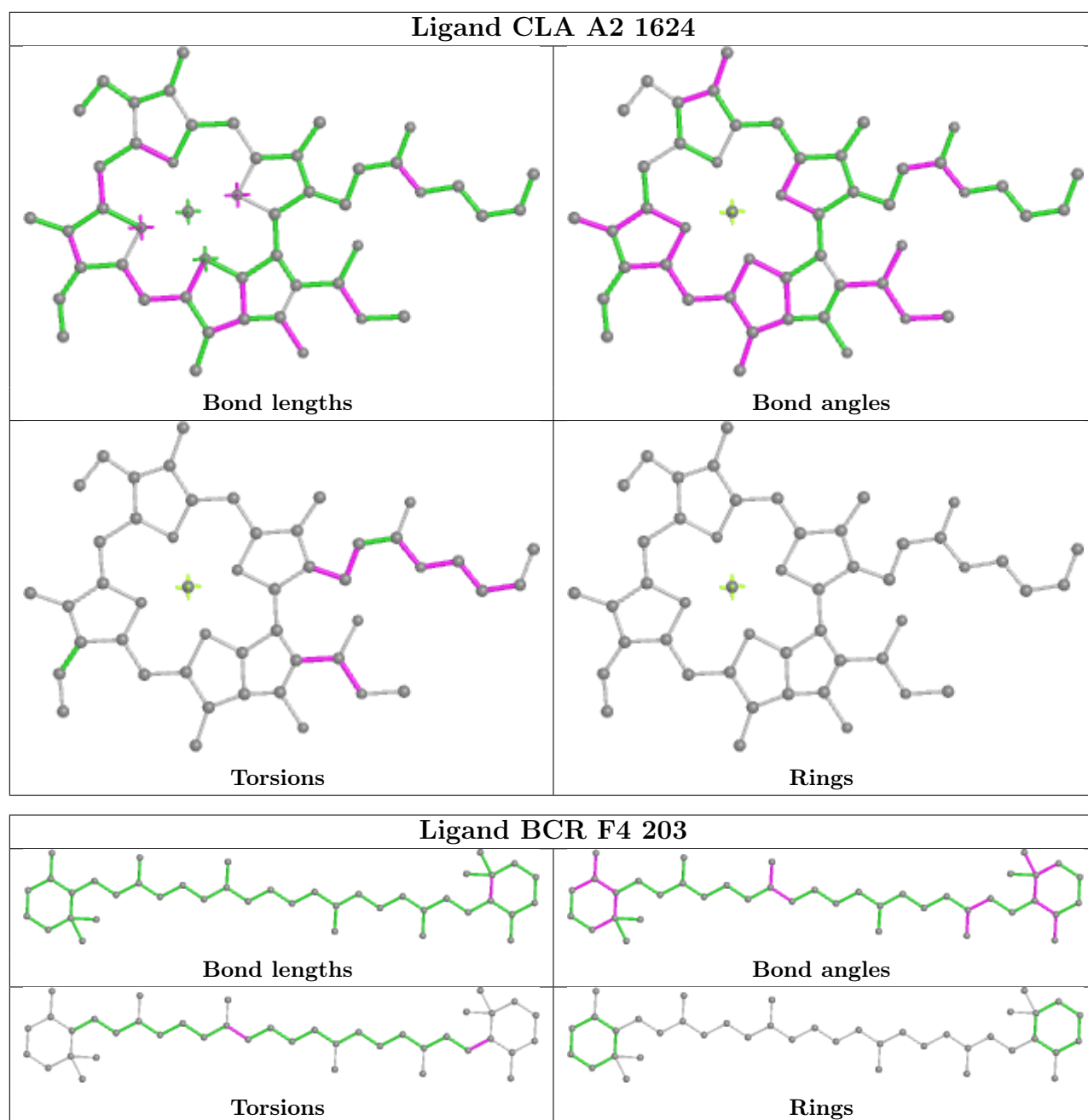


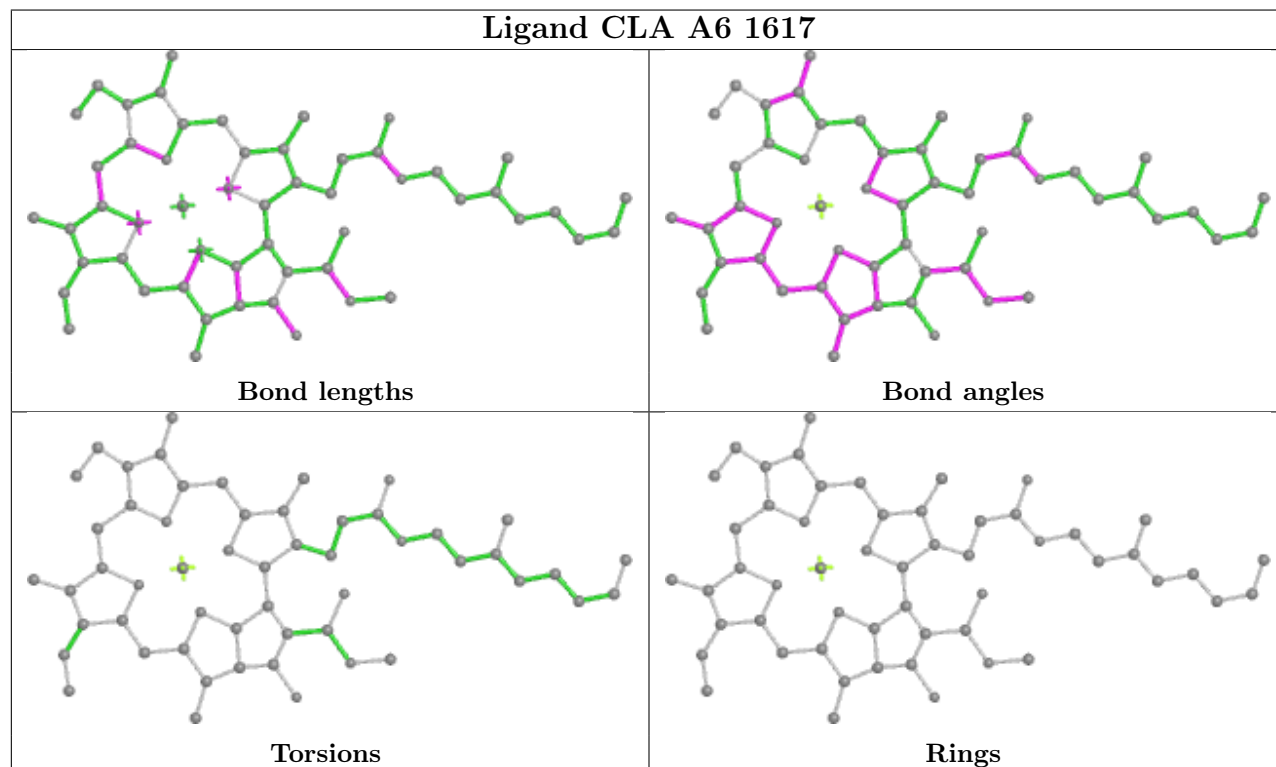
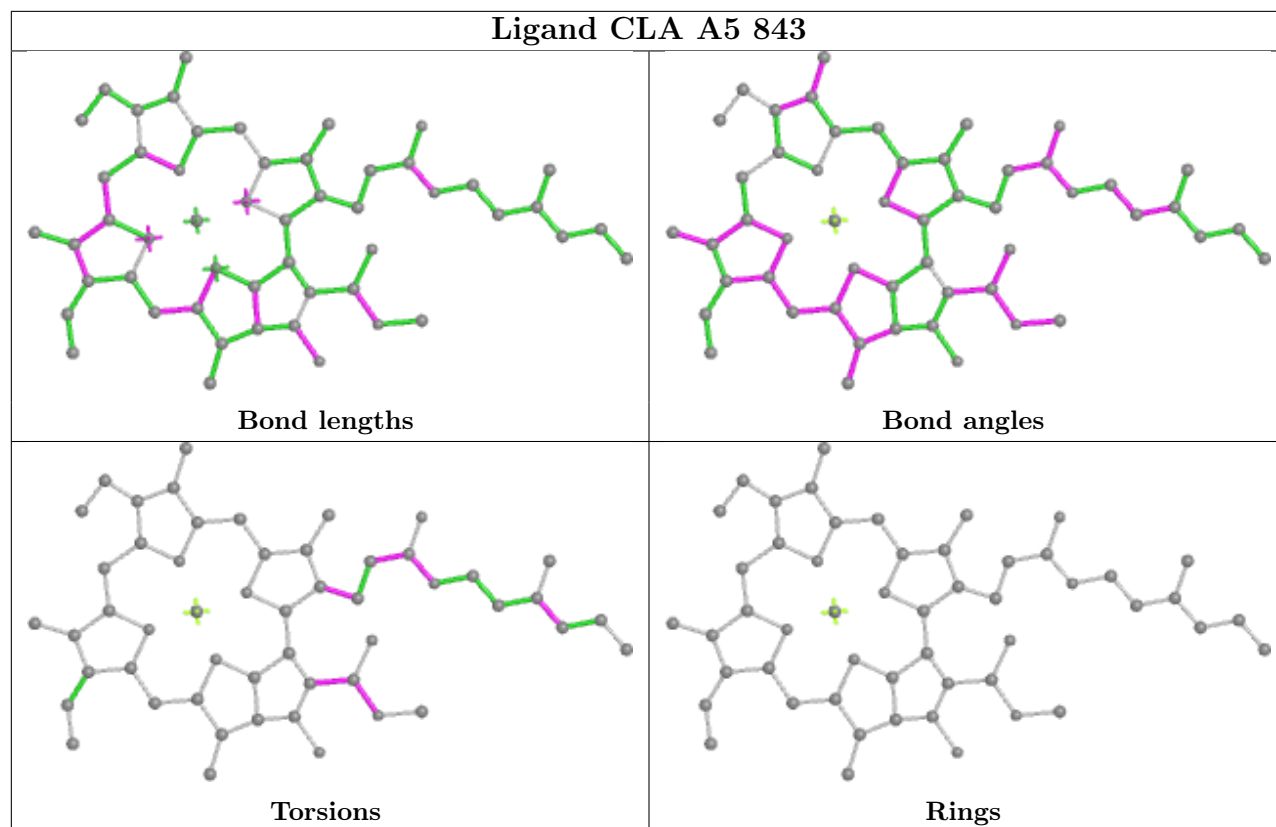




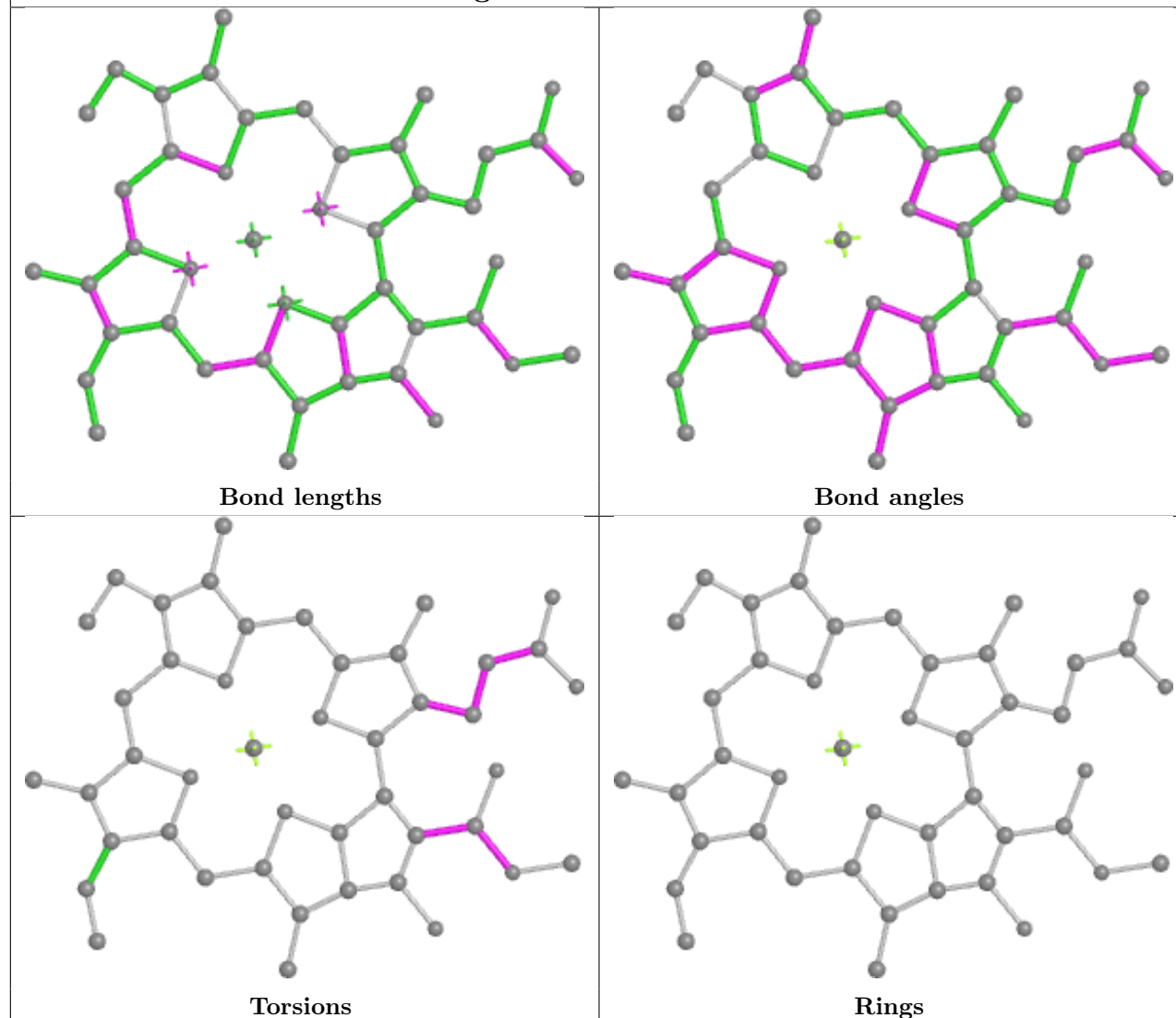




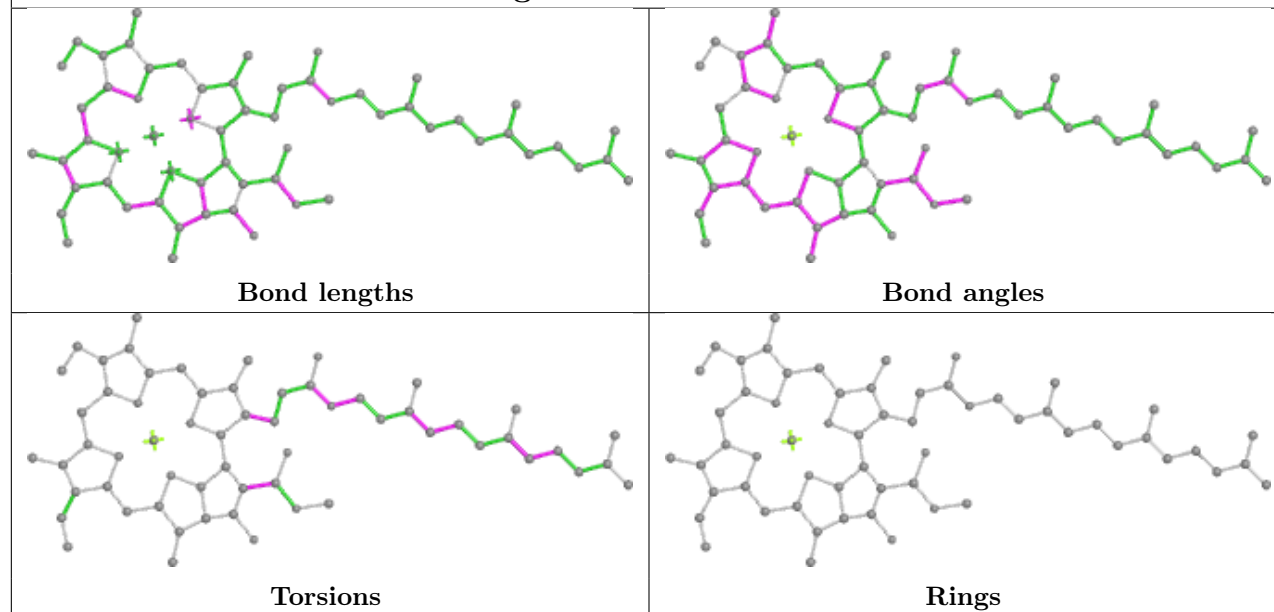


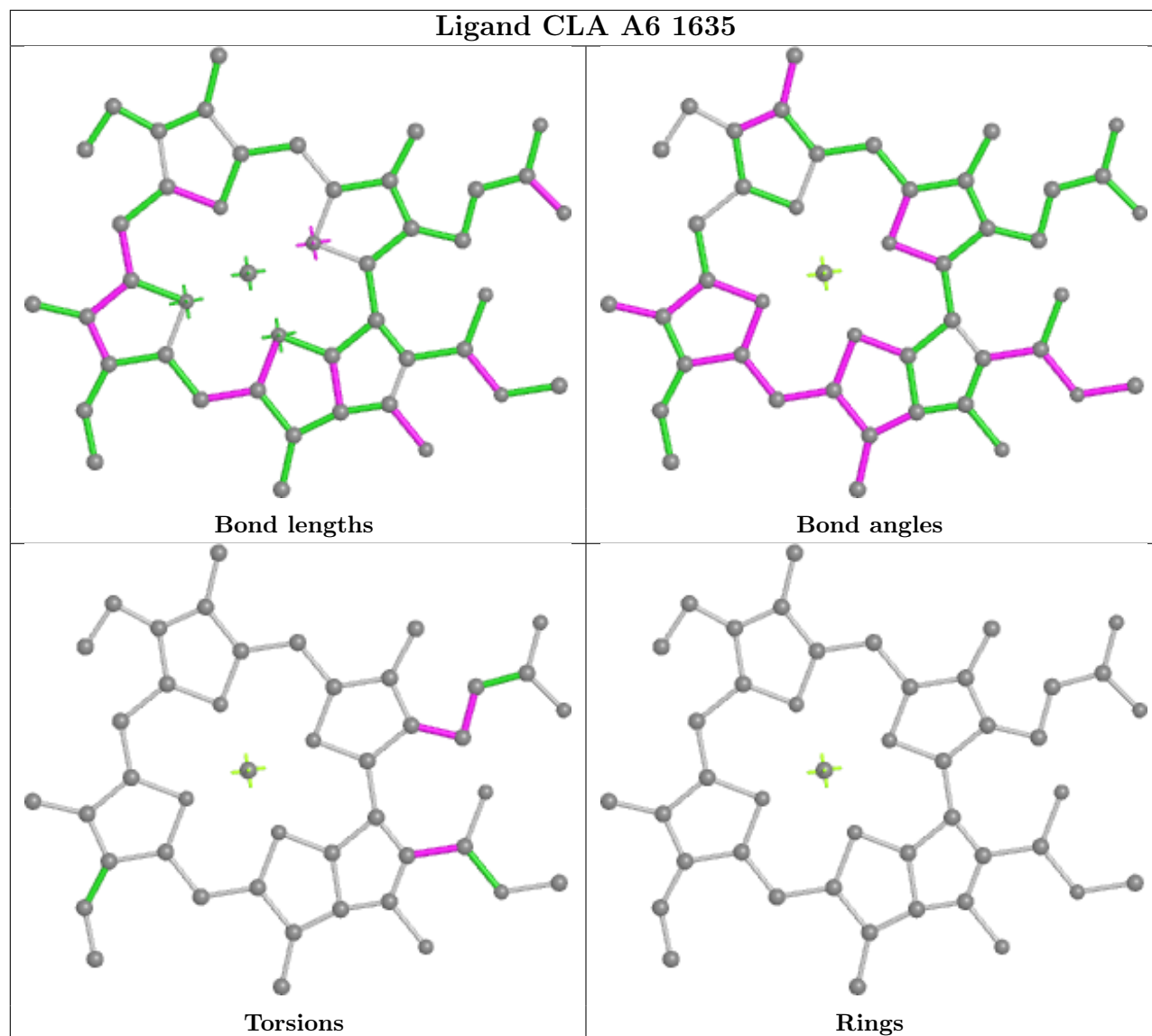


## Ligand CLA A2 1612



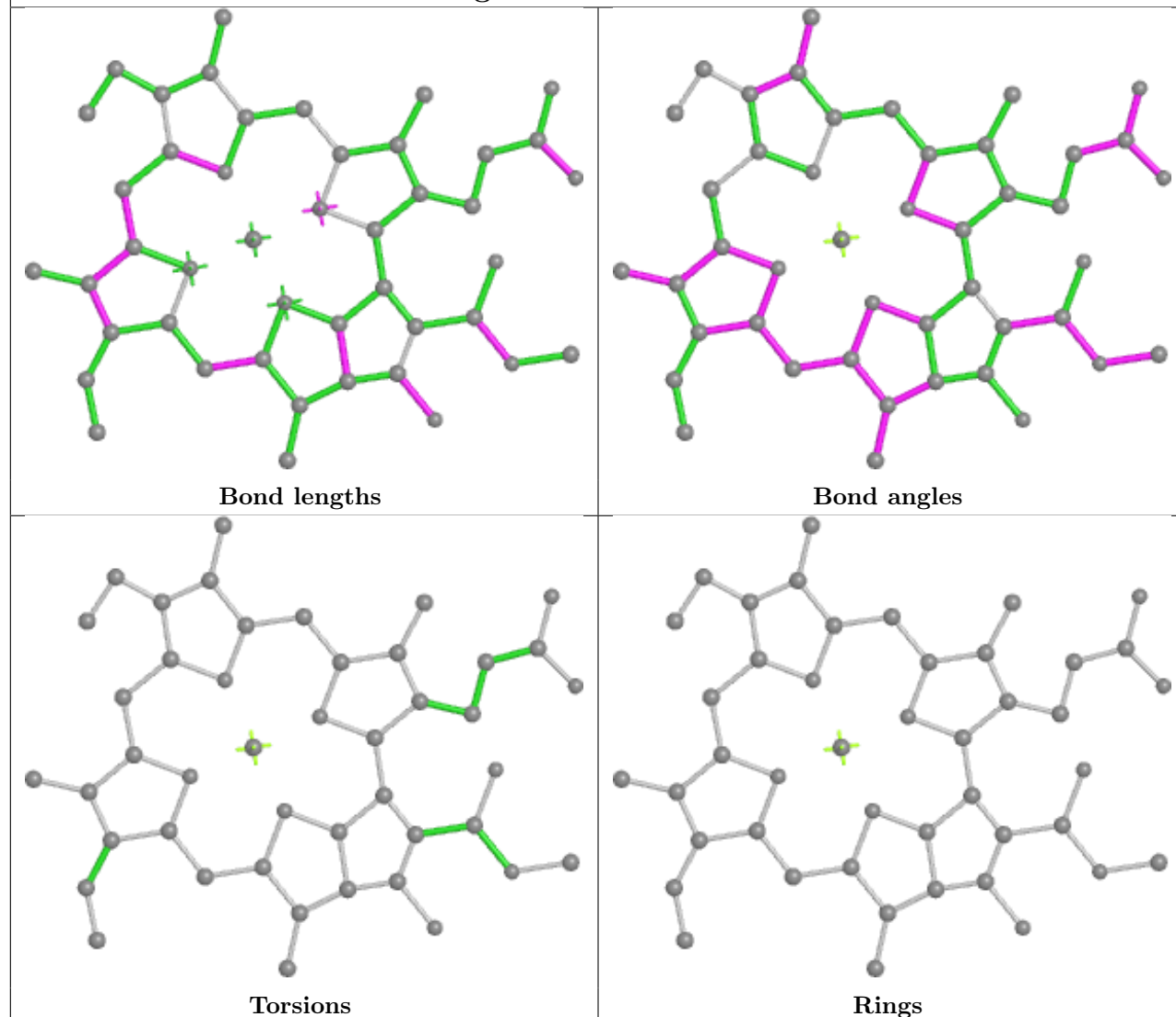
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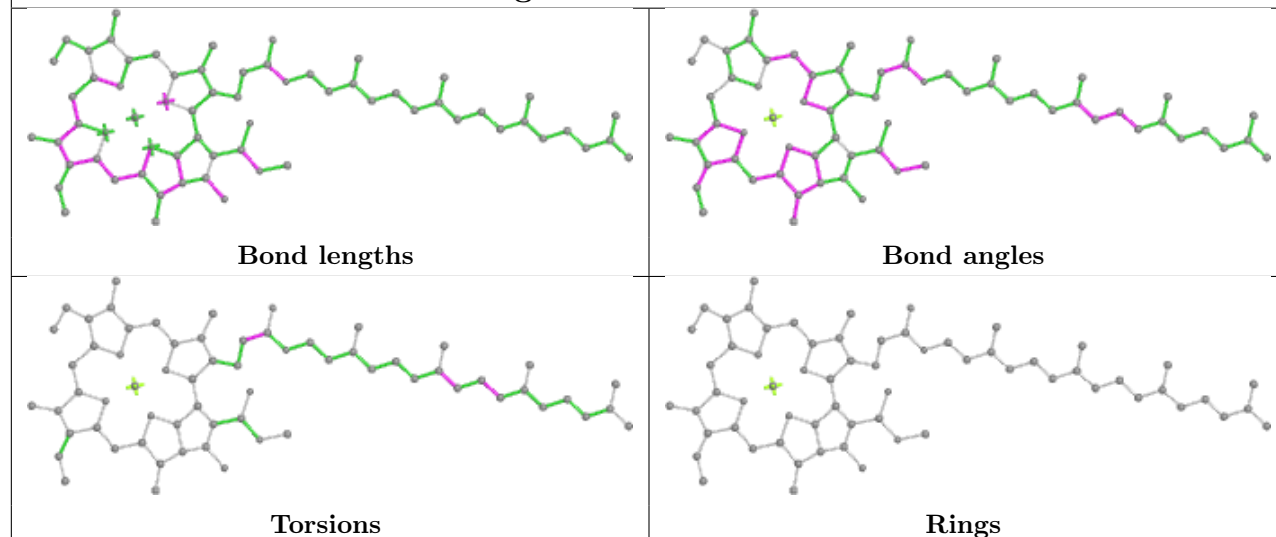


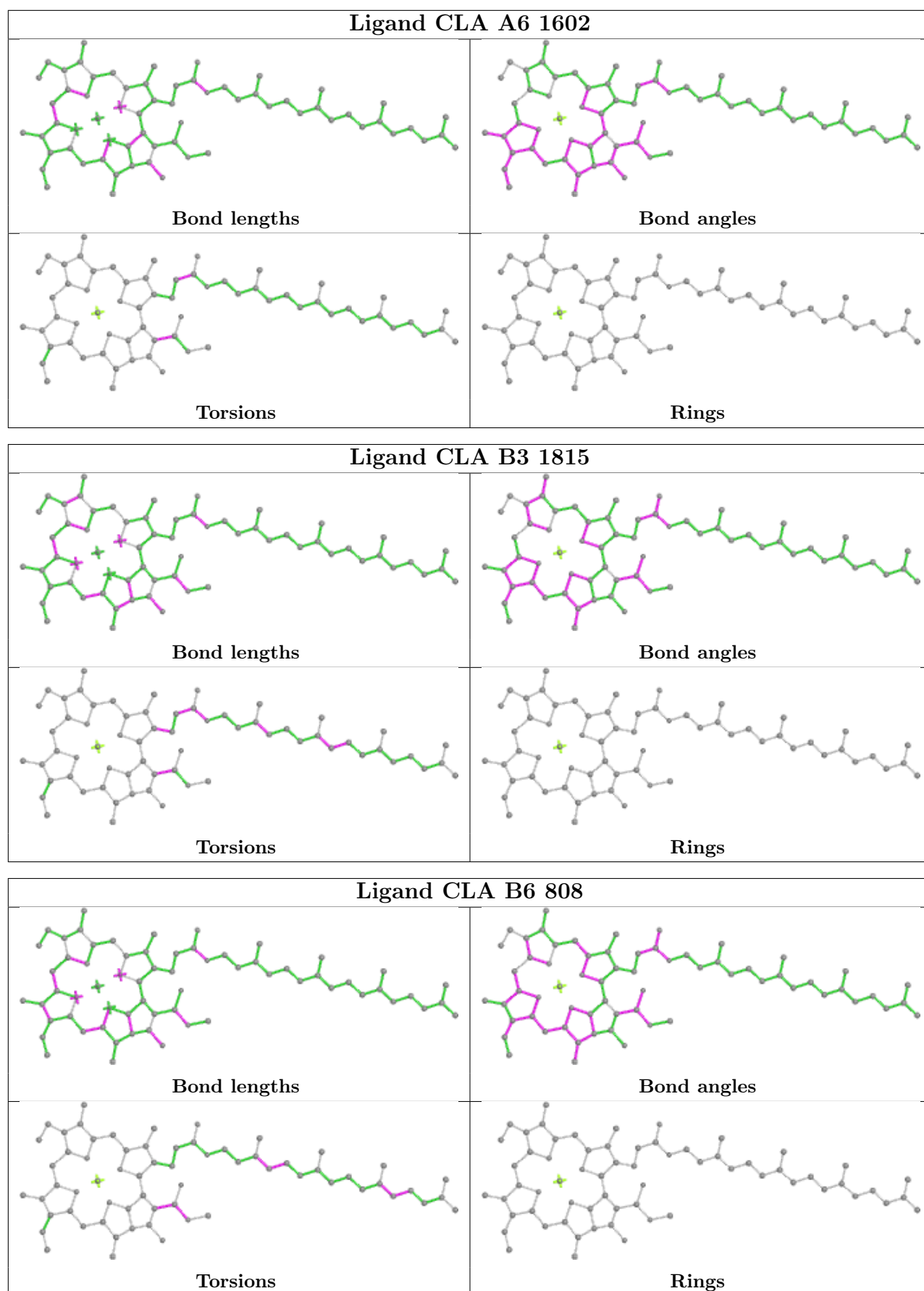


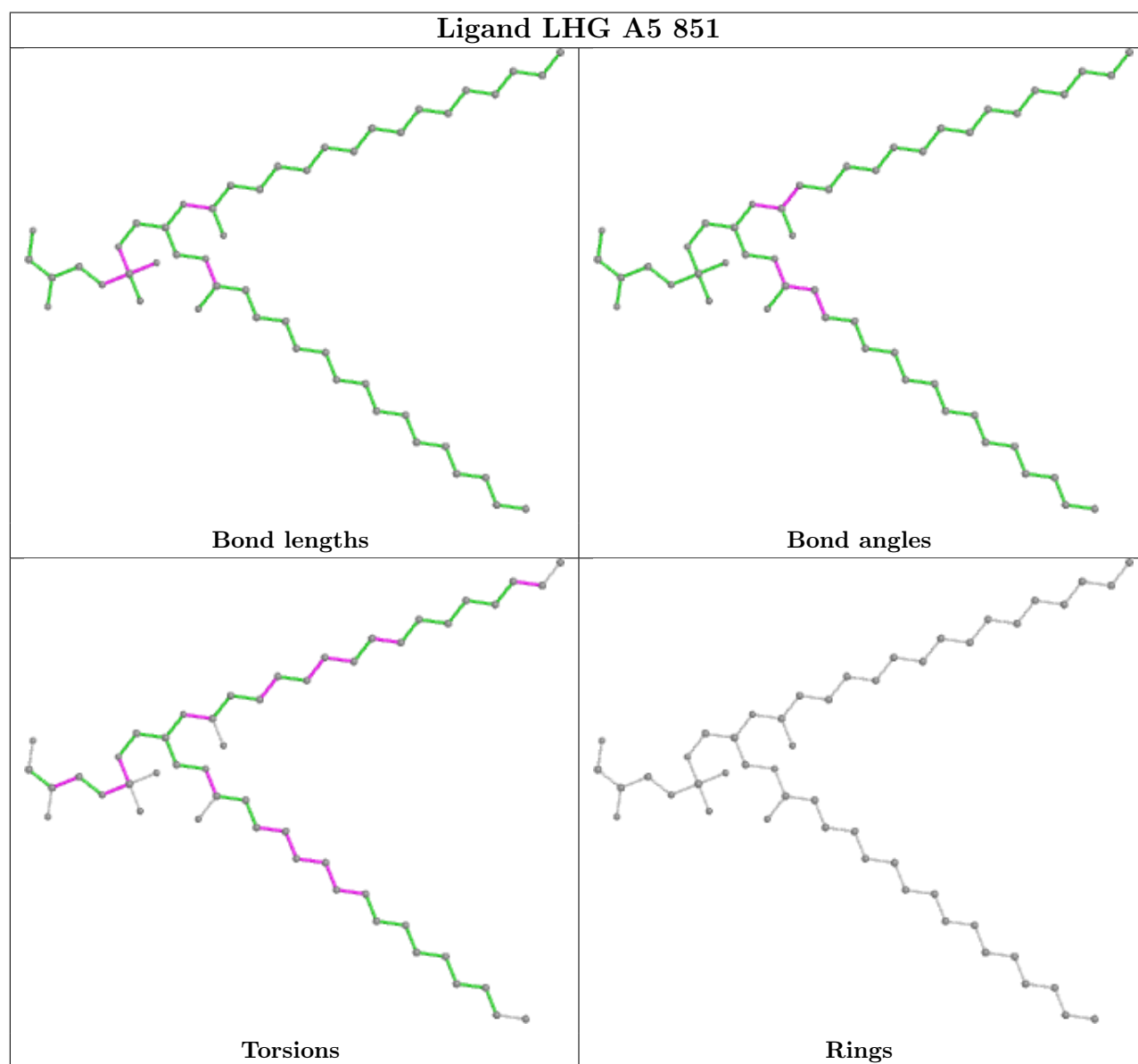
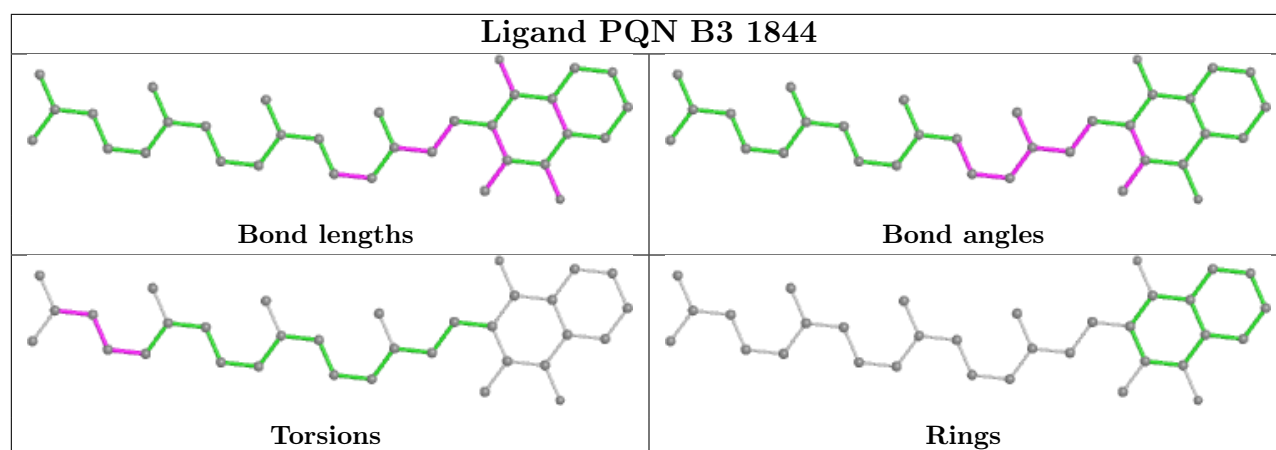
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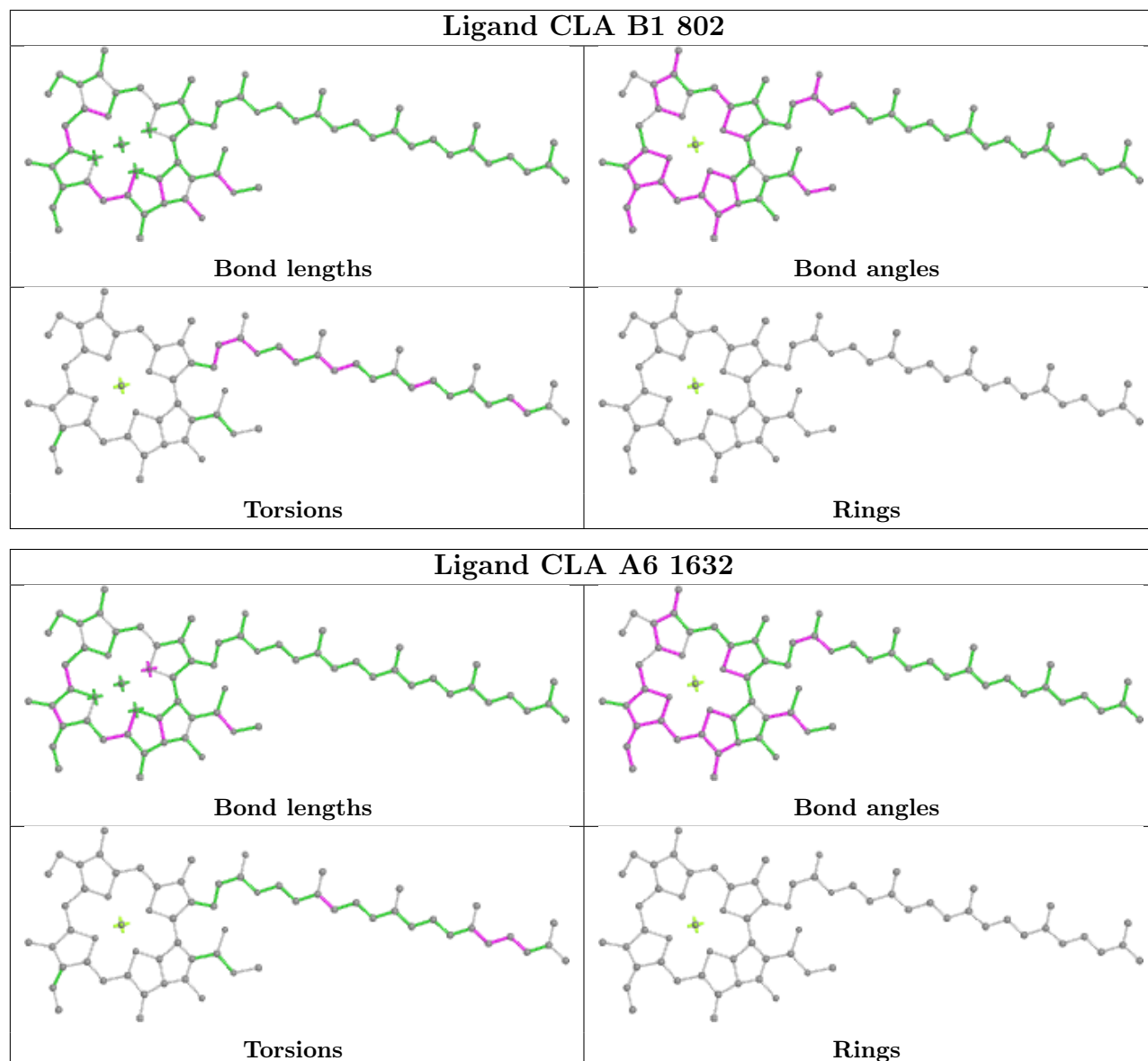


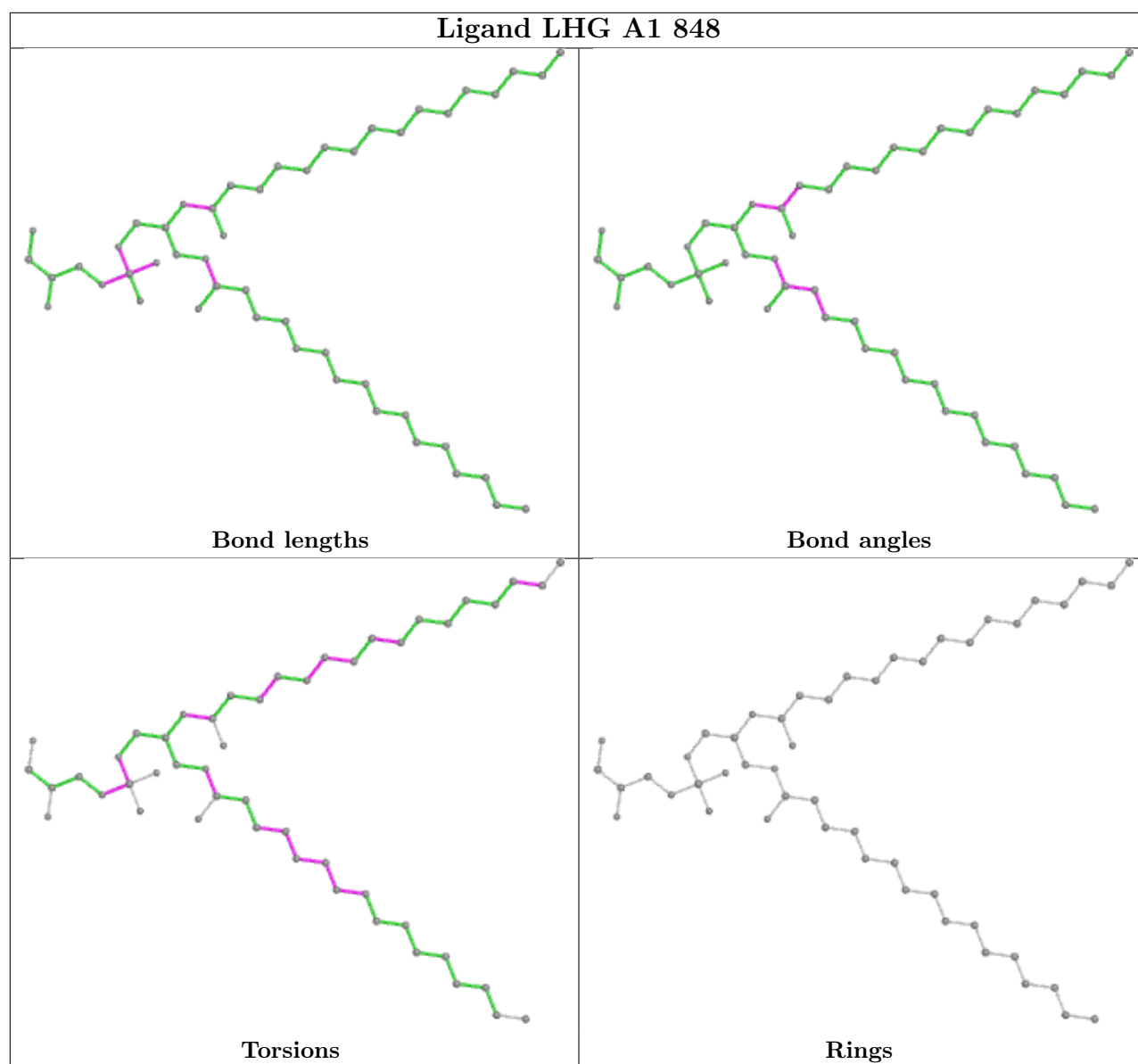
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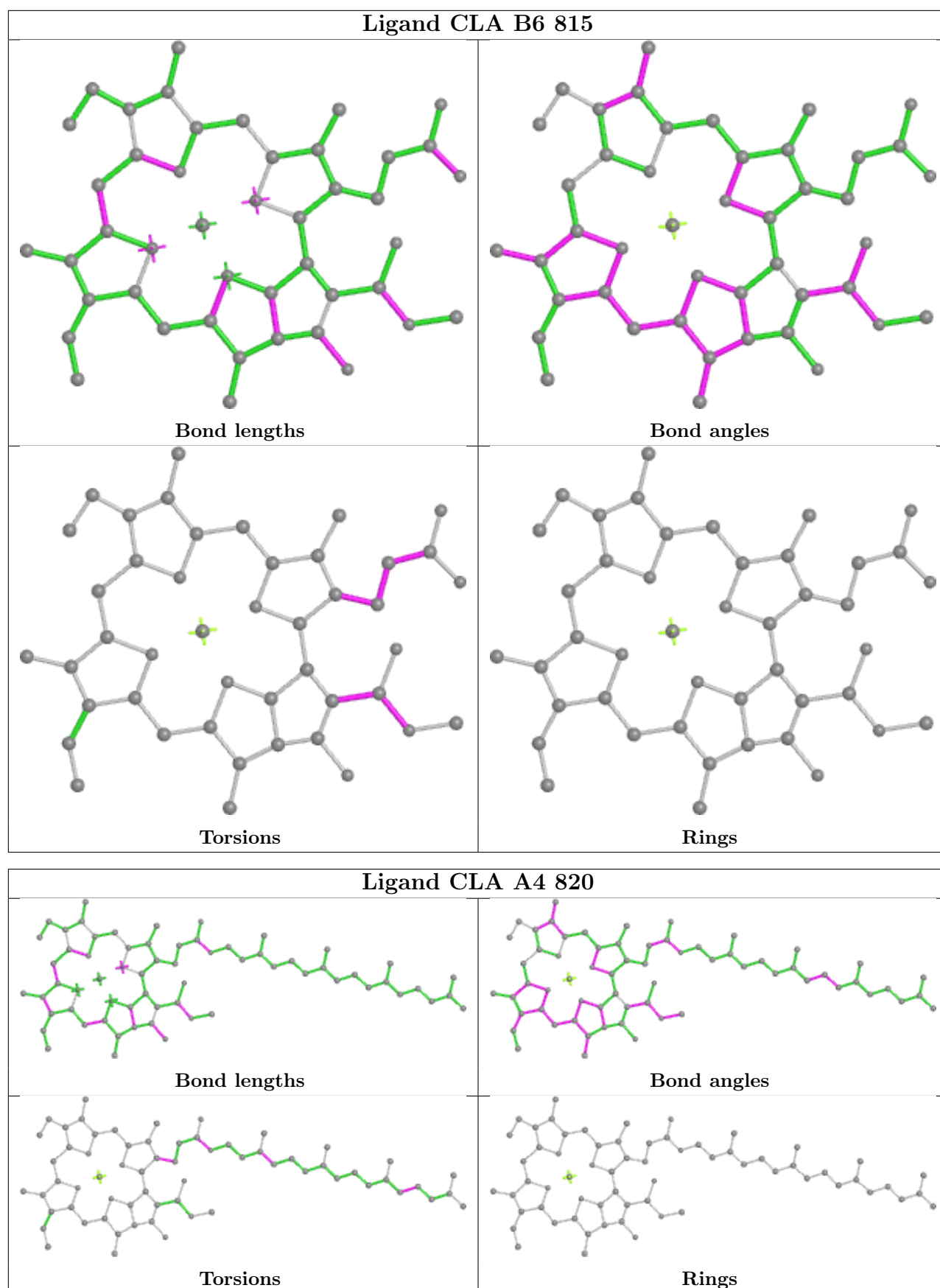


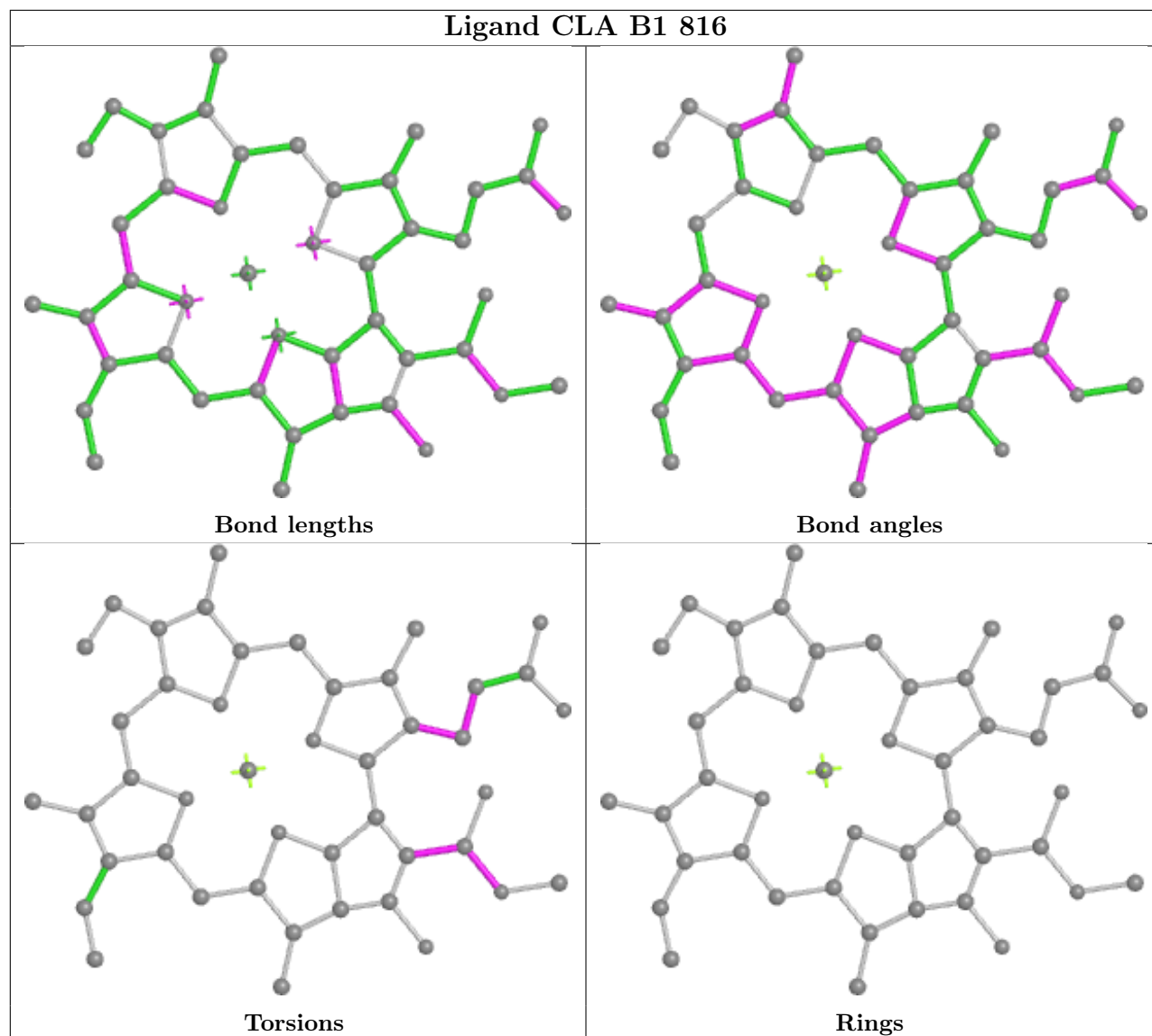


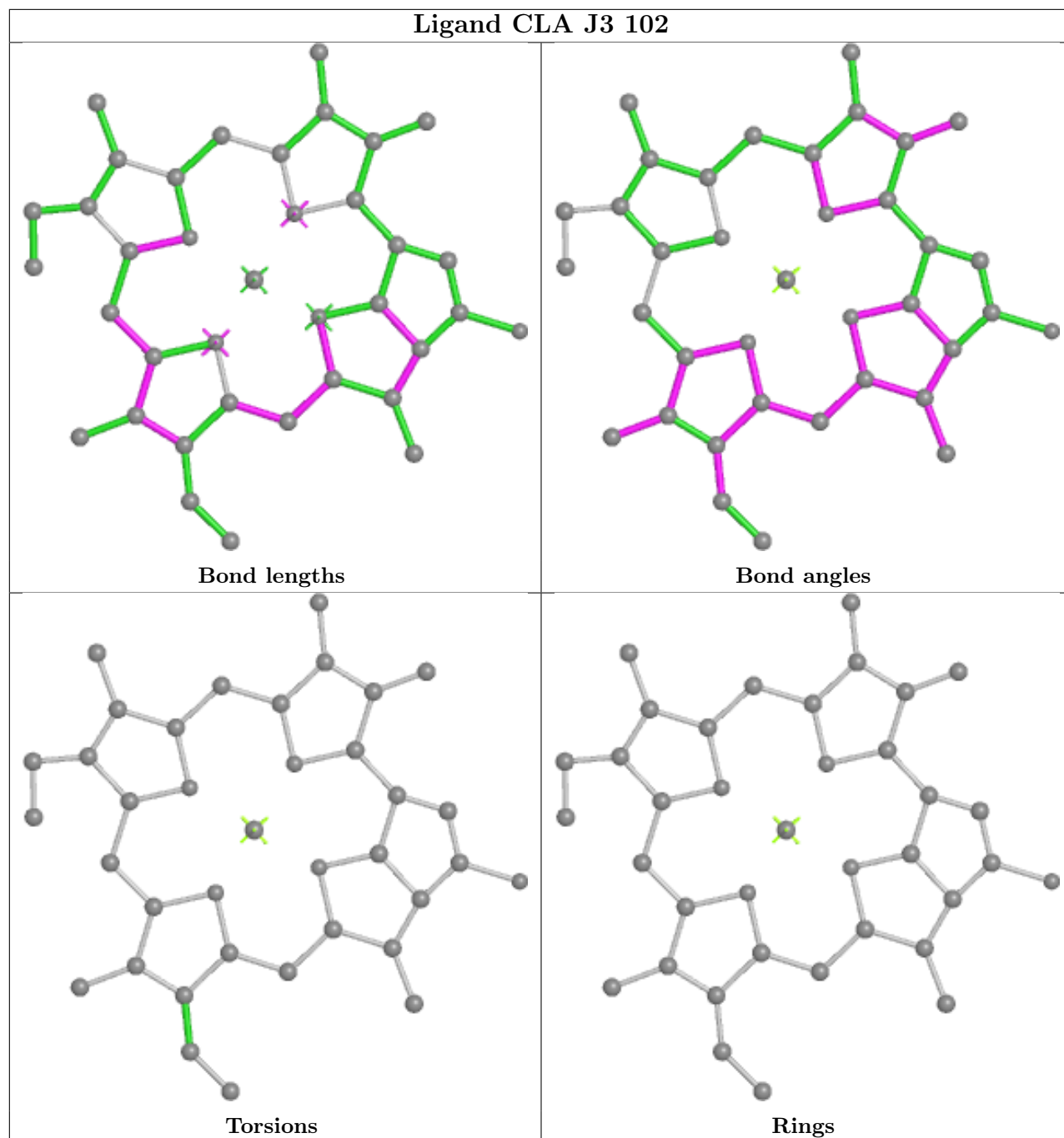




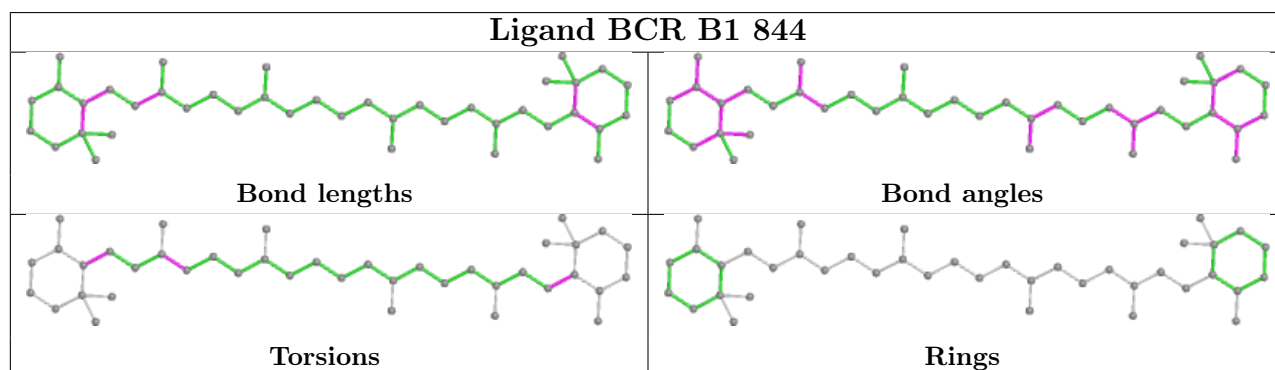
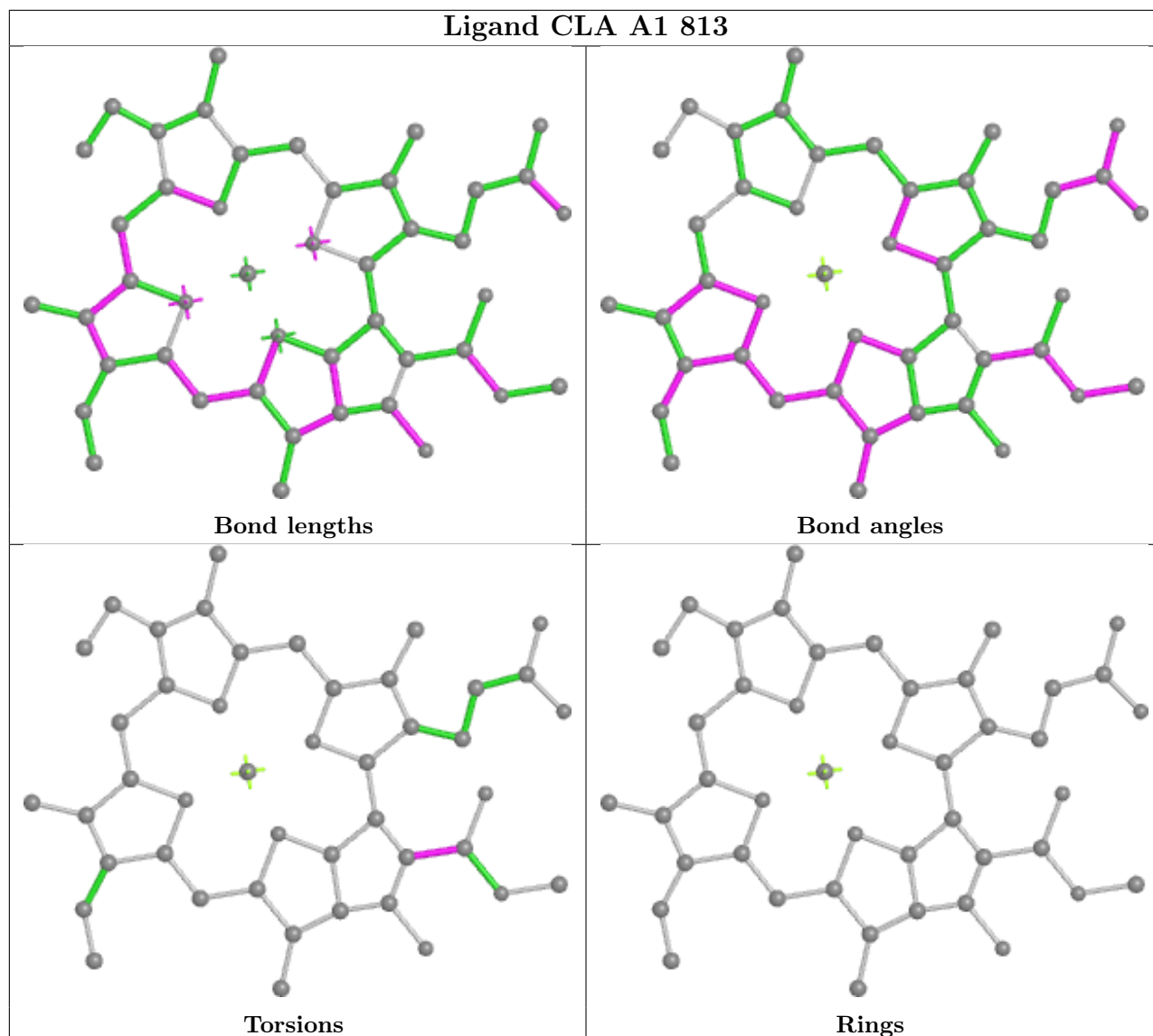


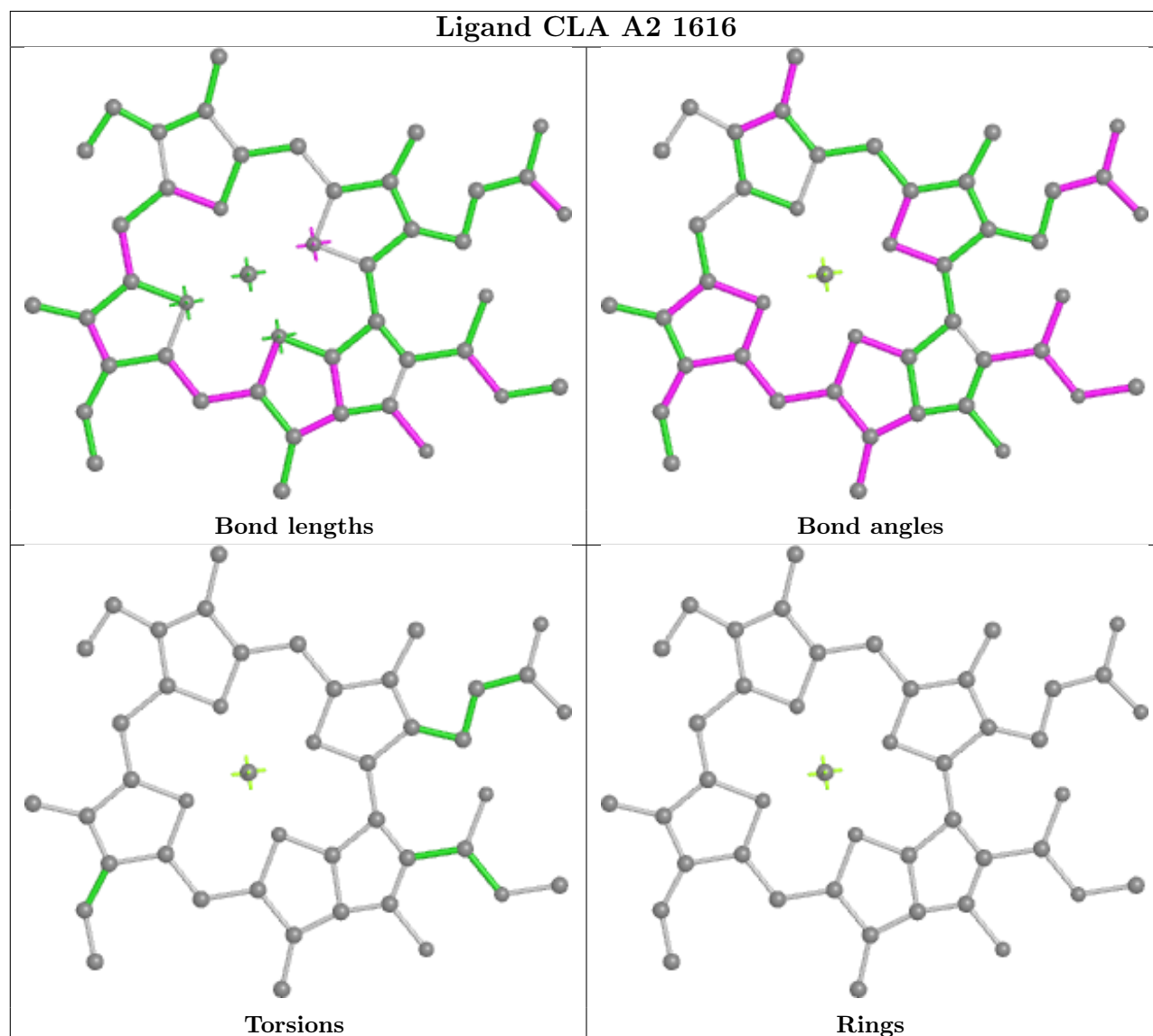
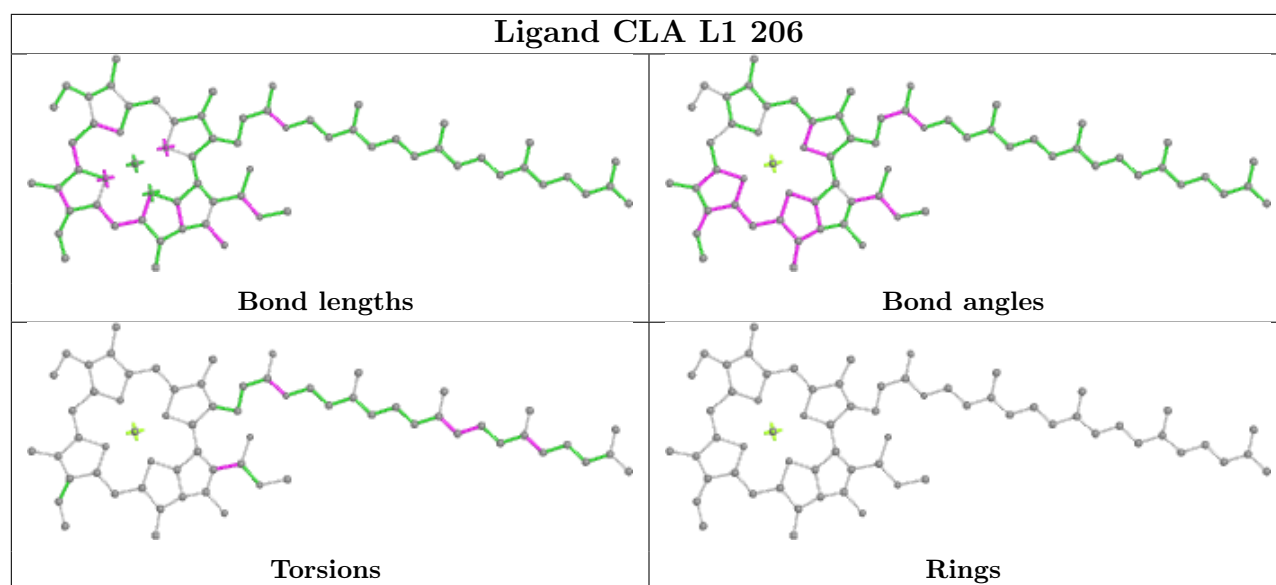


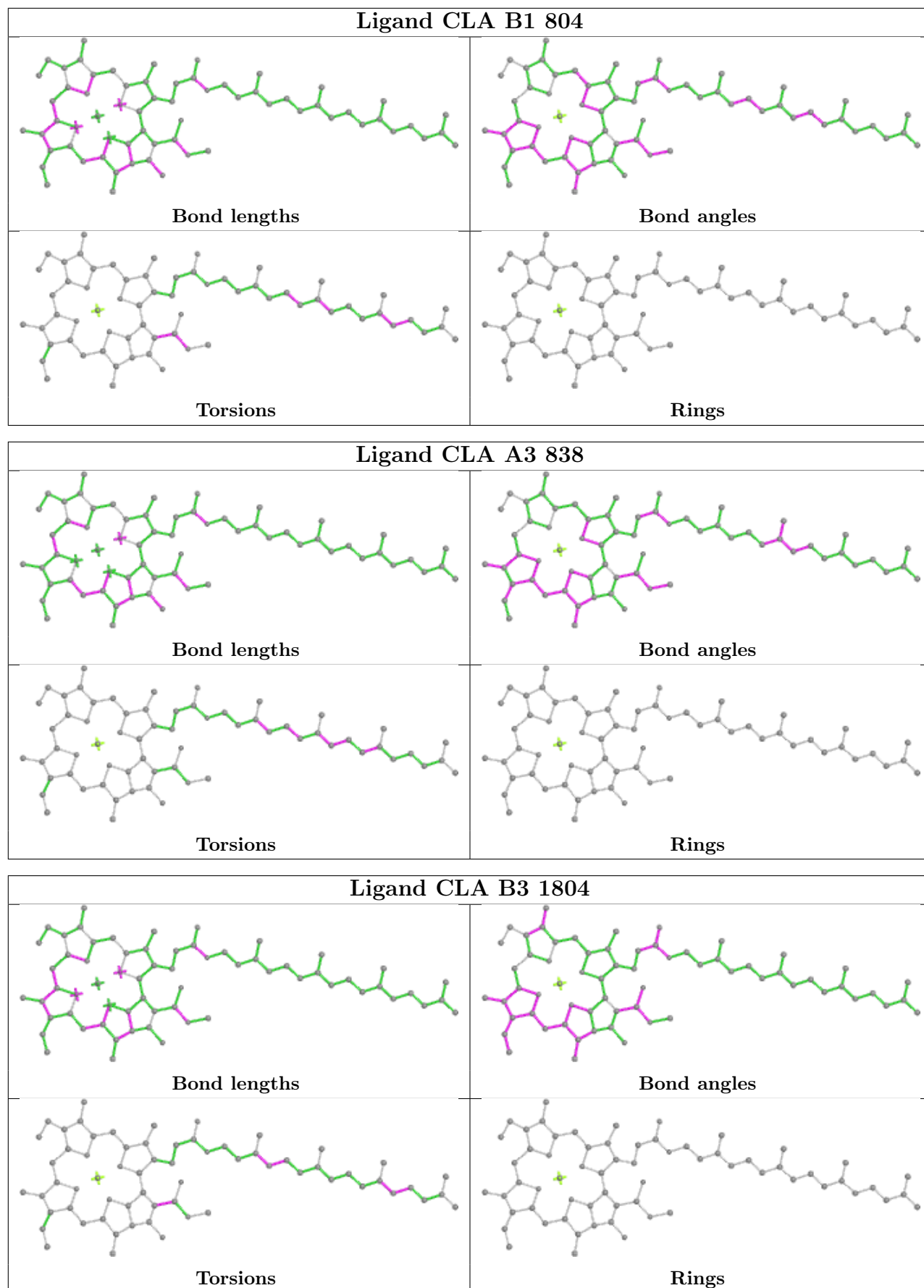


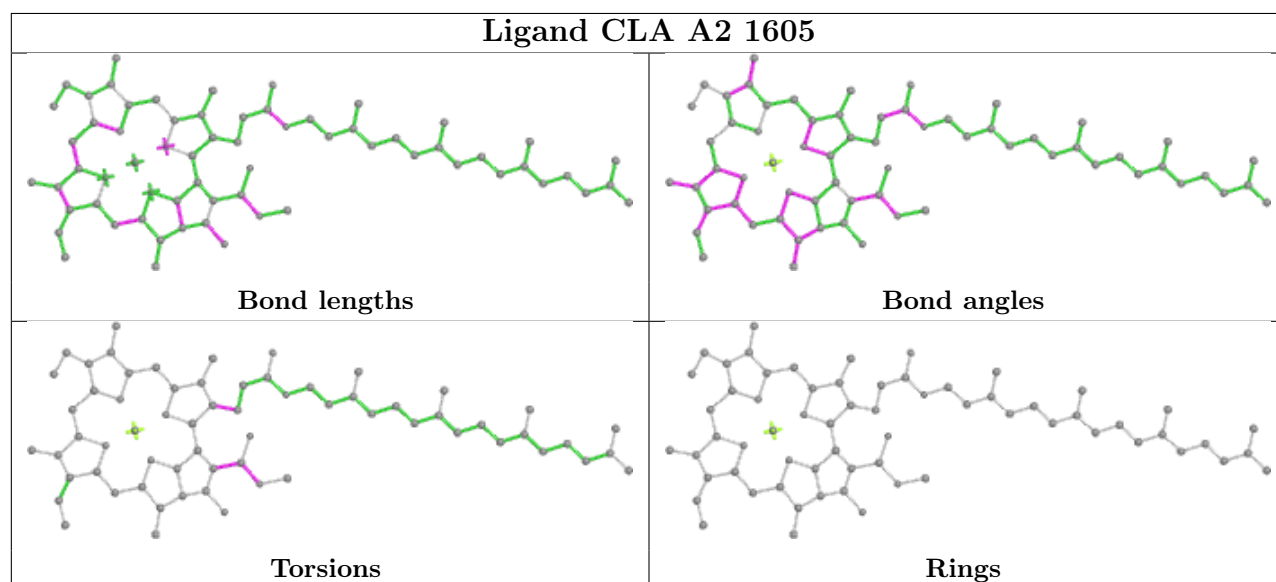
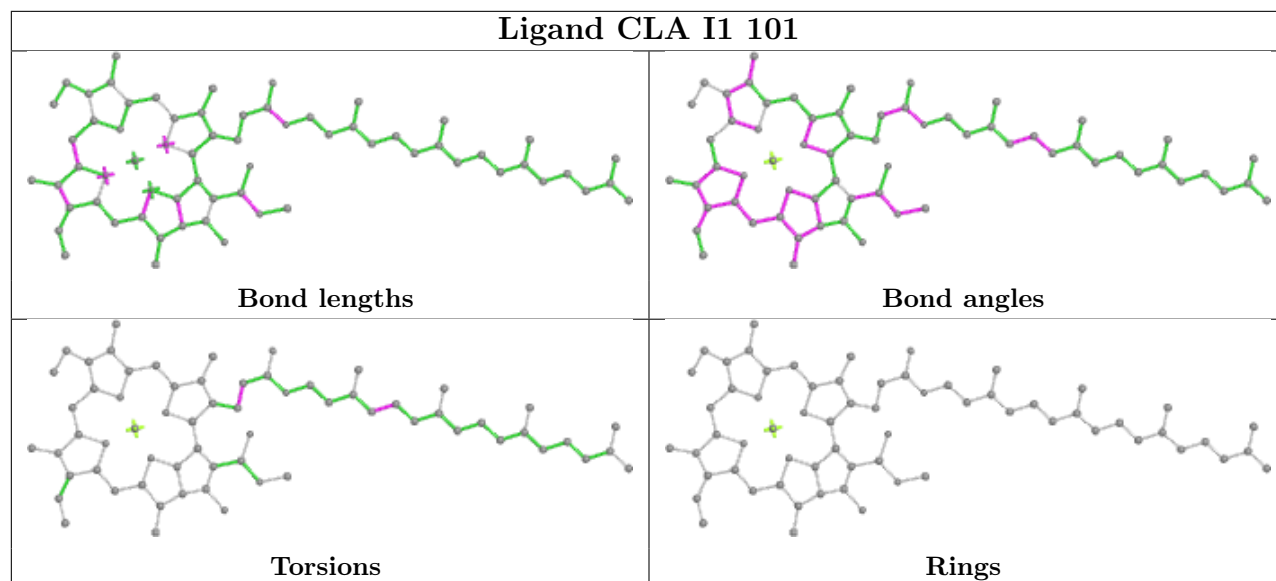
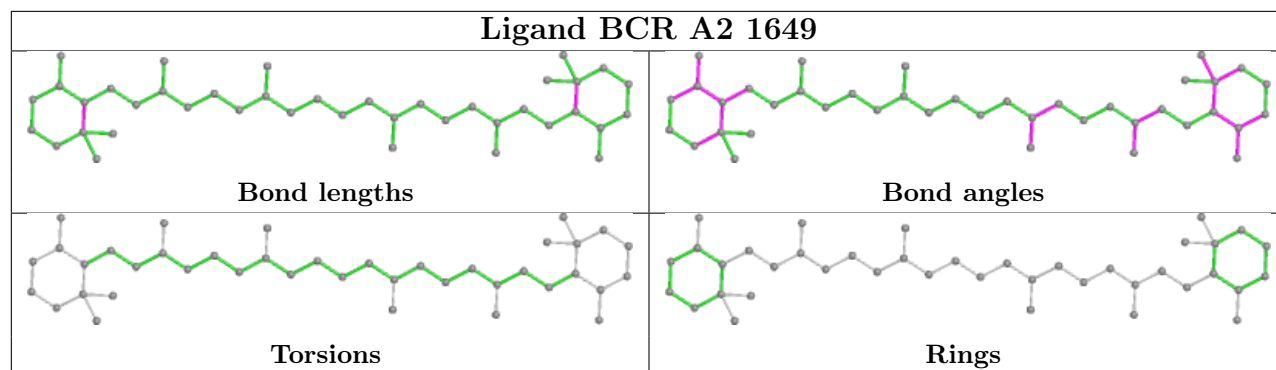


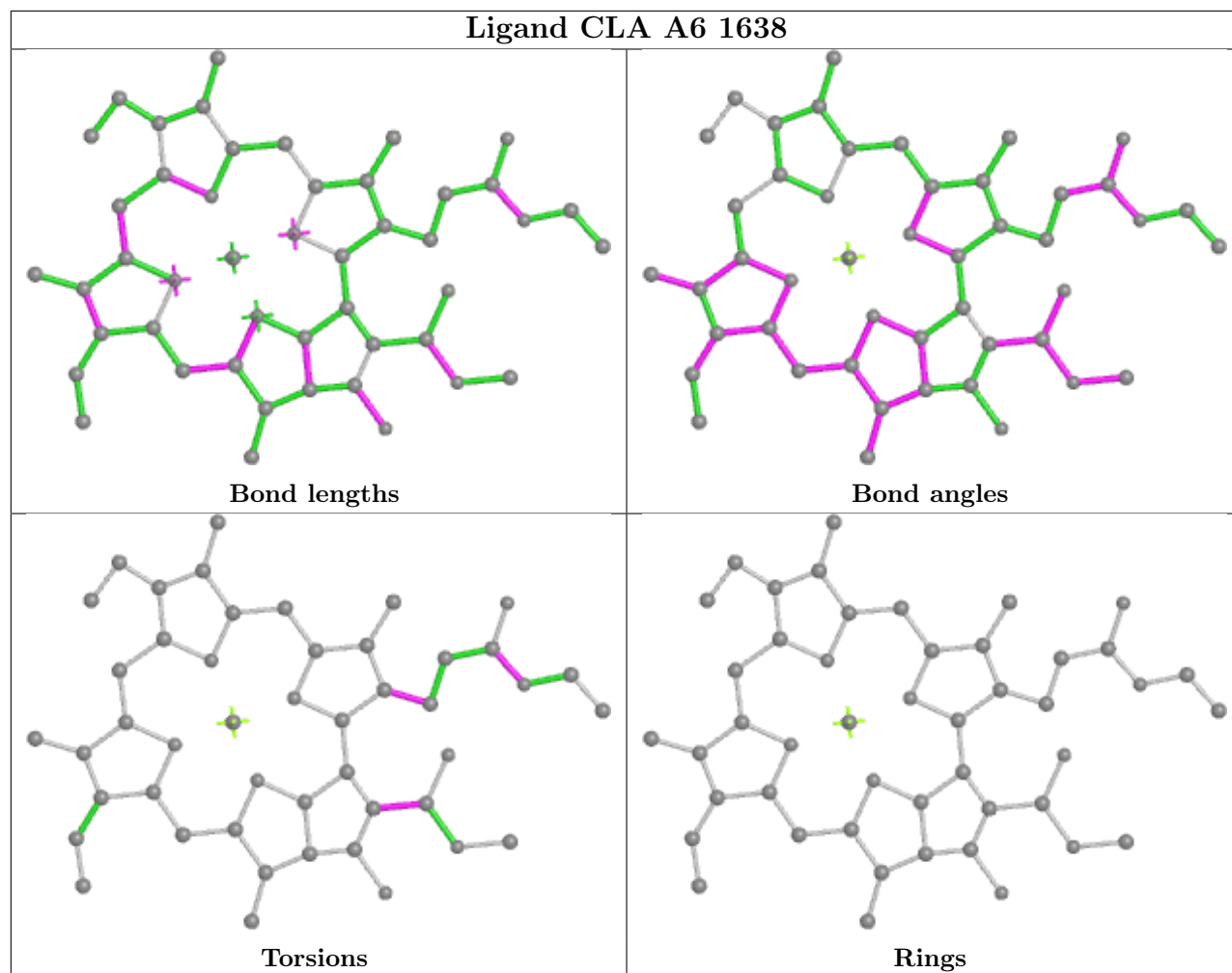


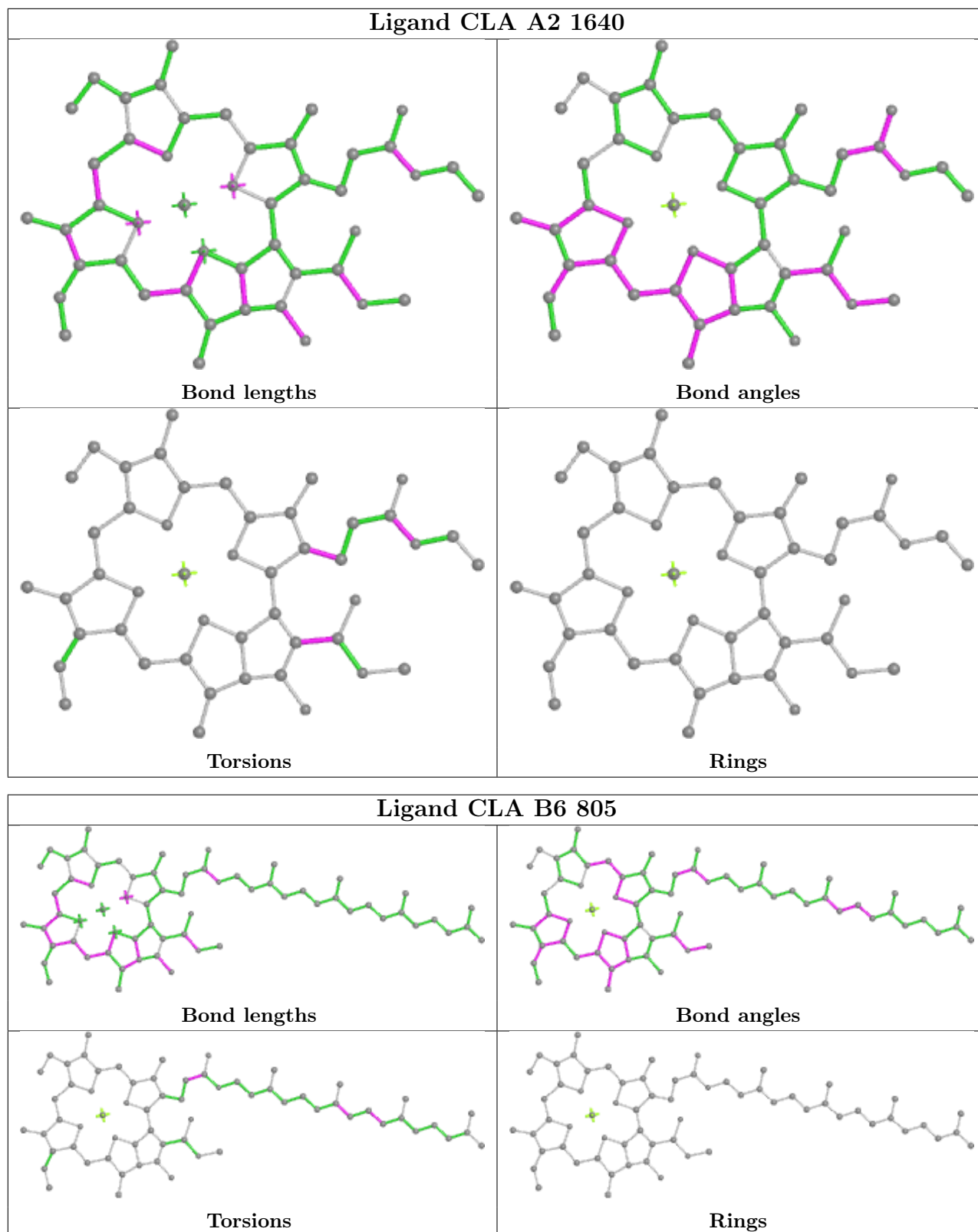


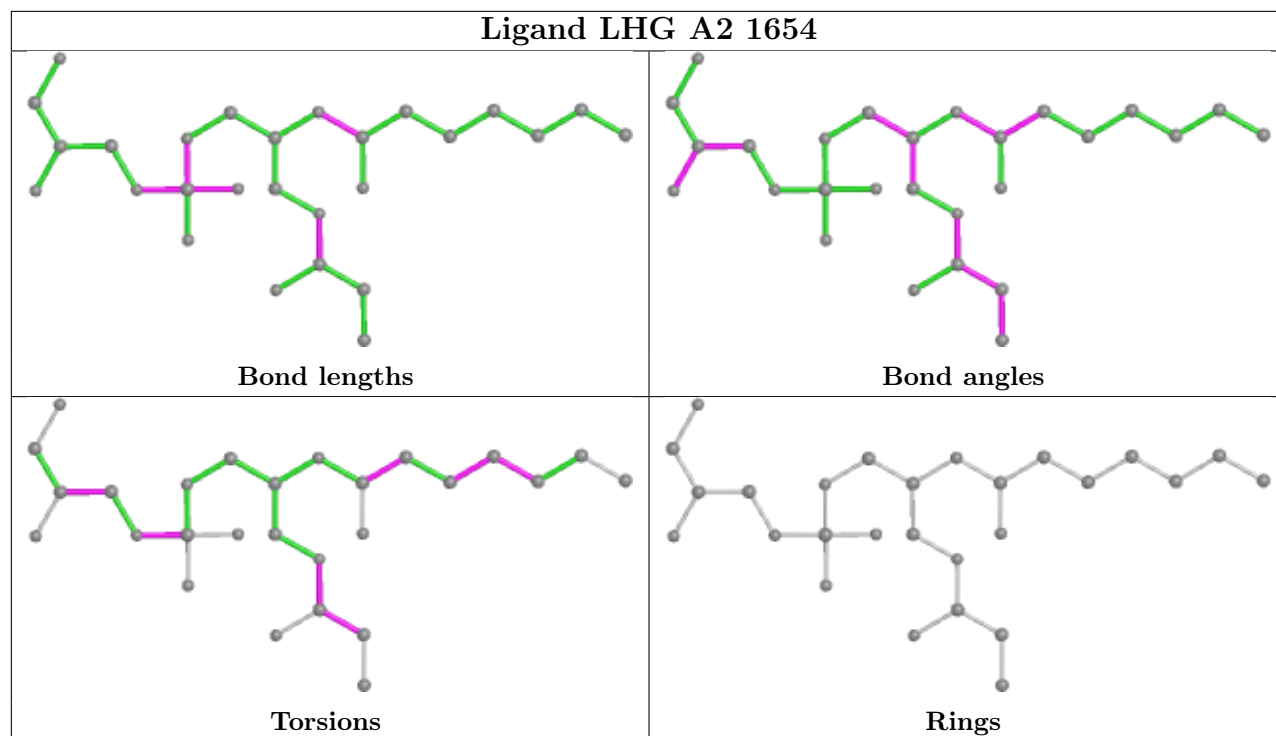


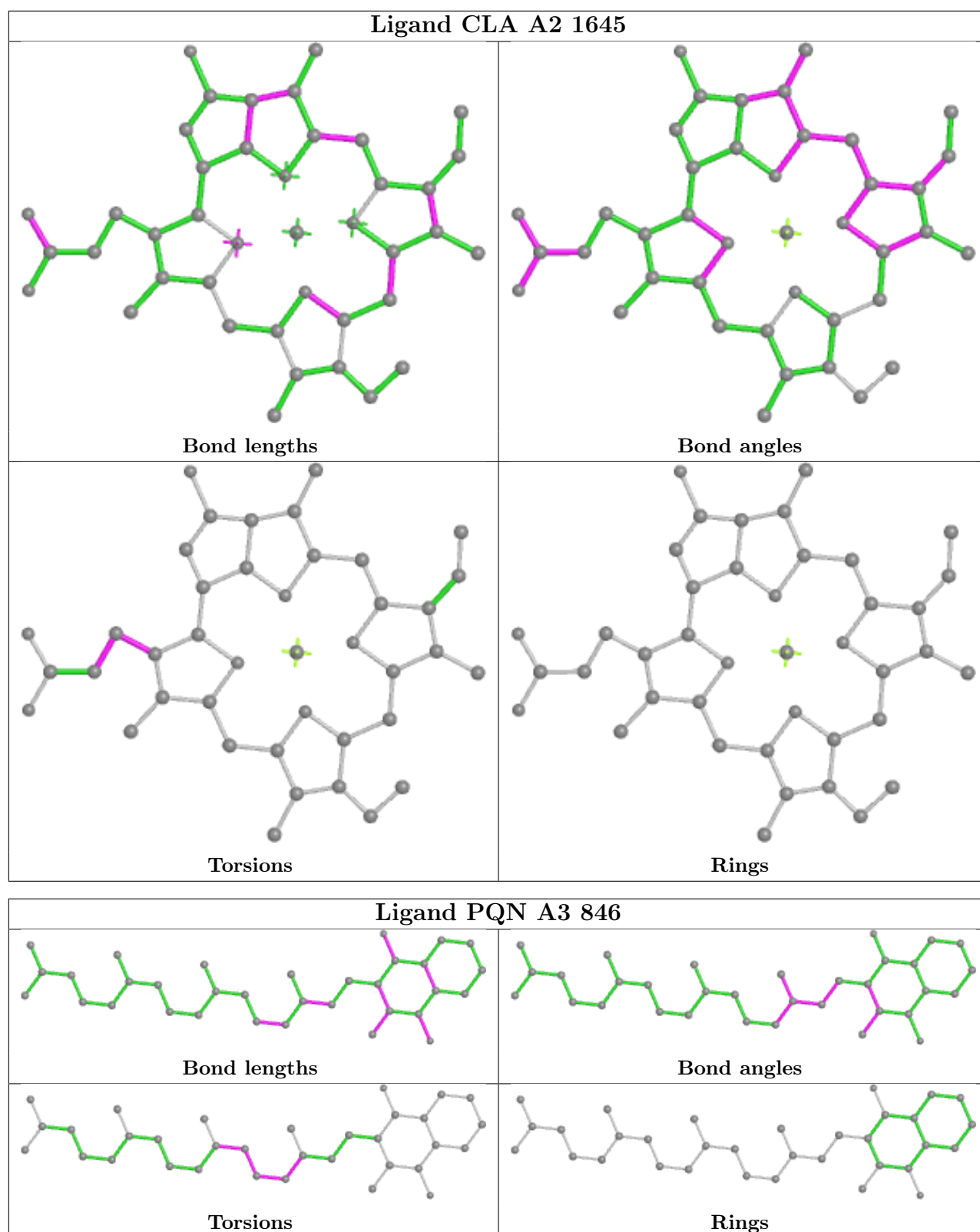




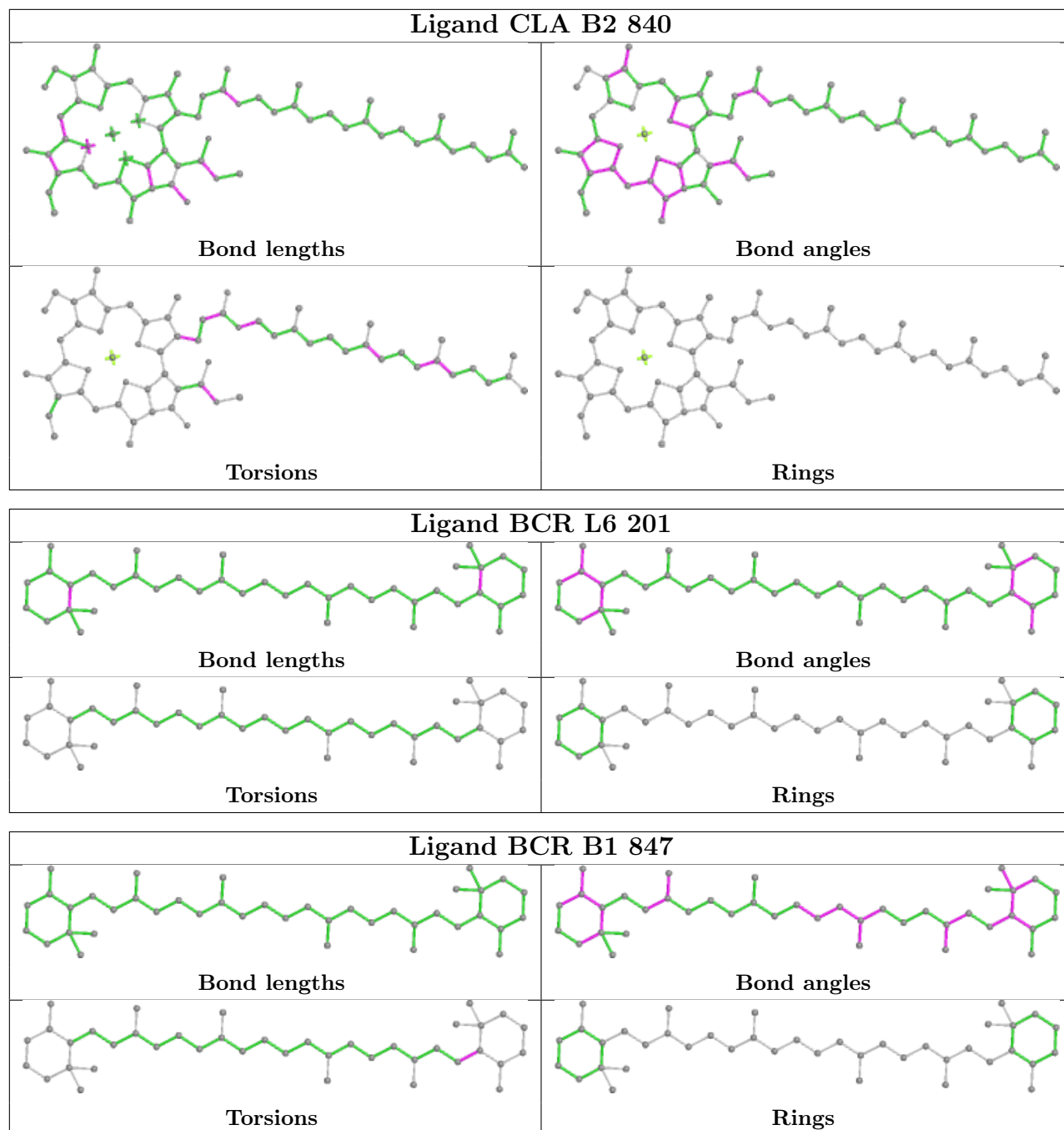


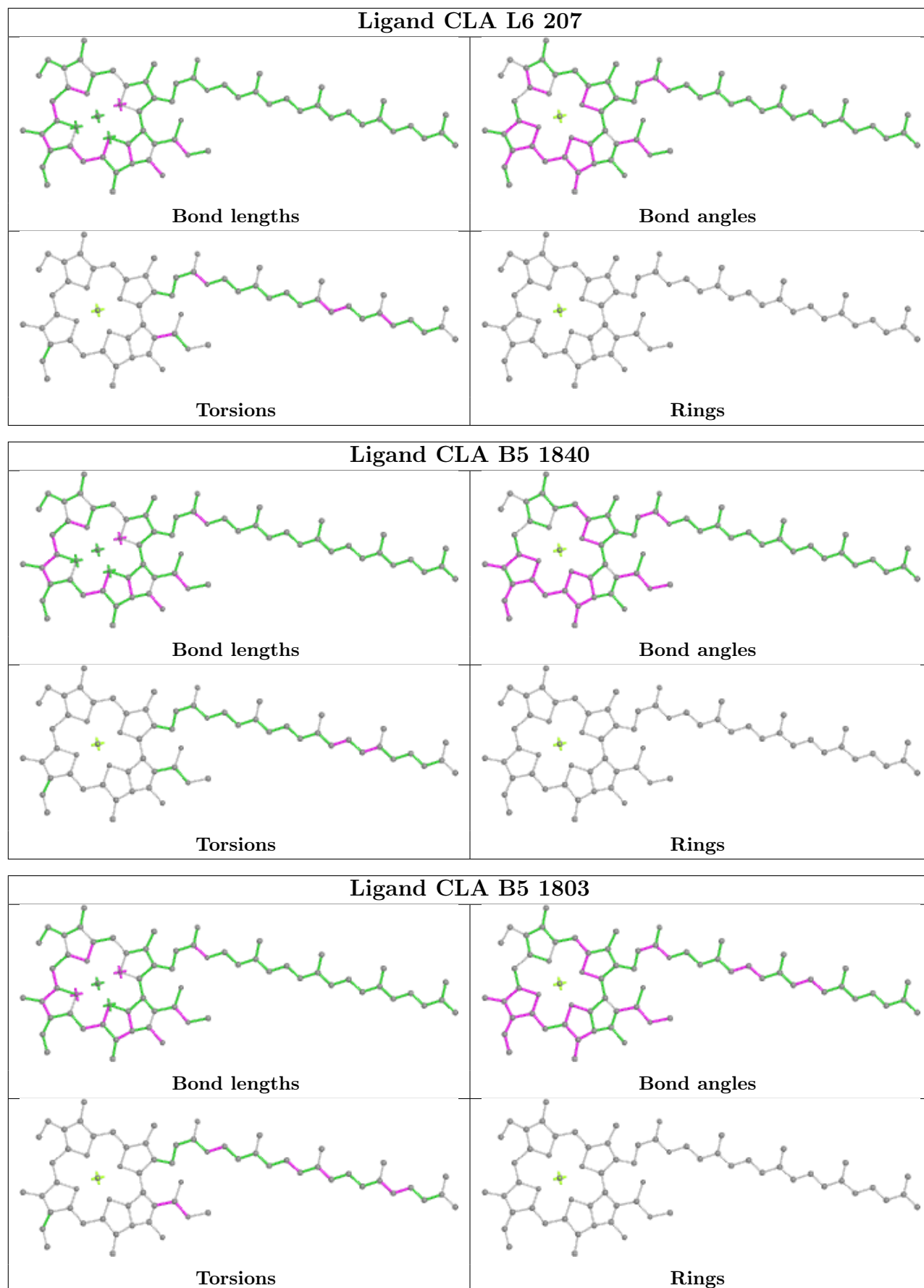


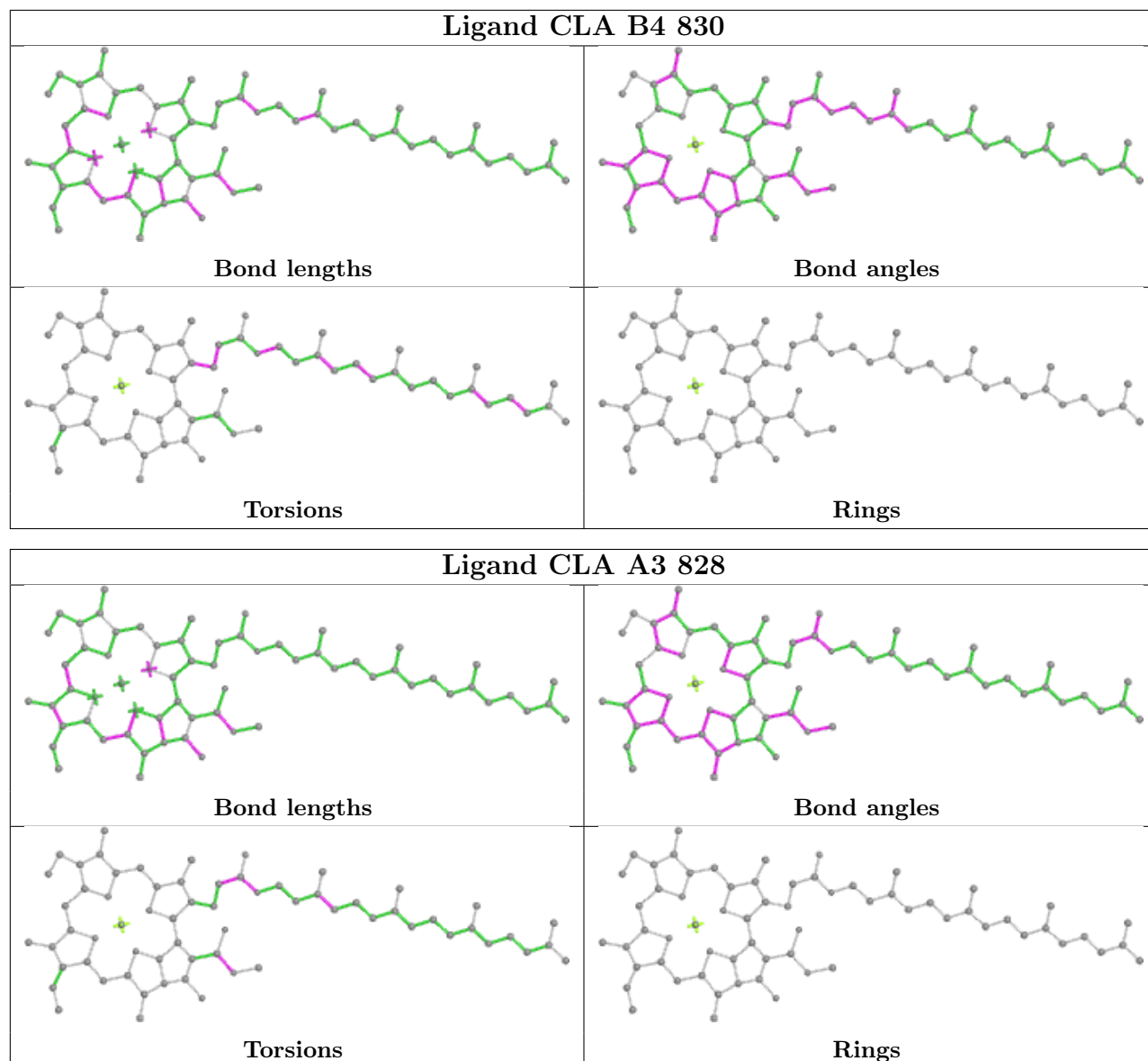


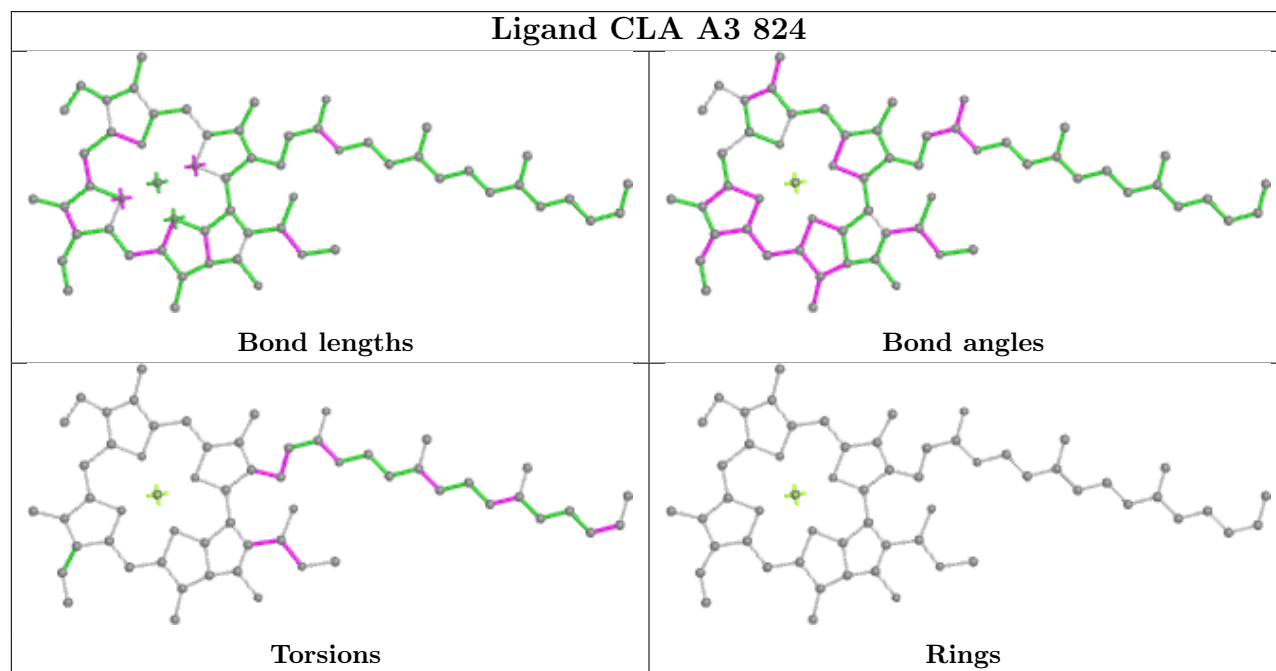
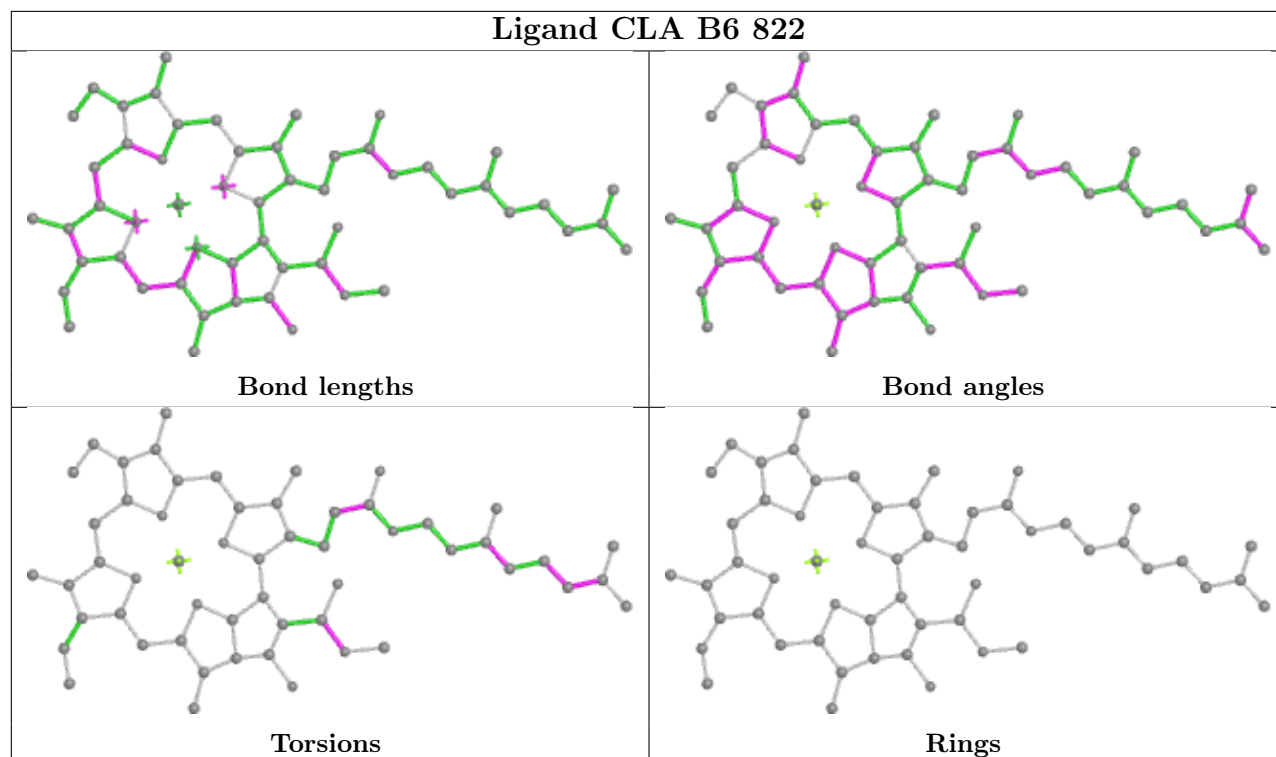


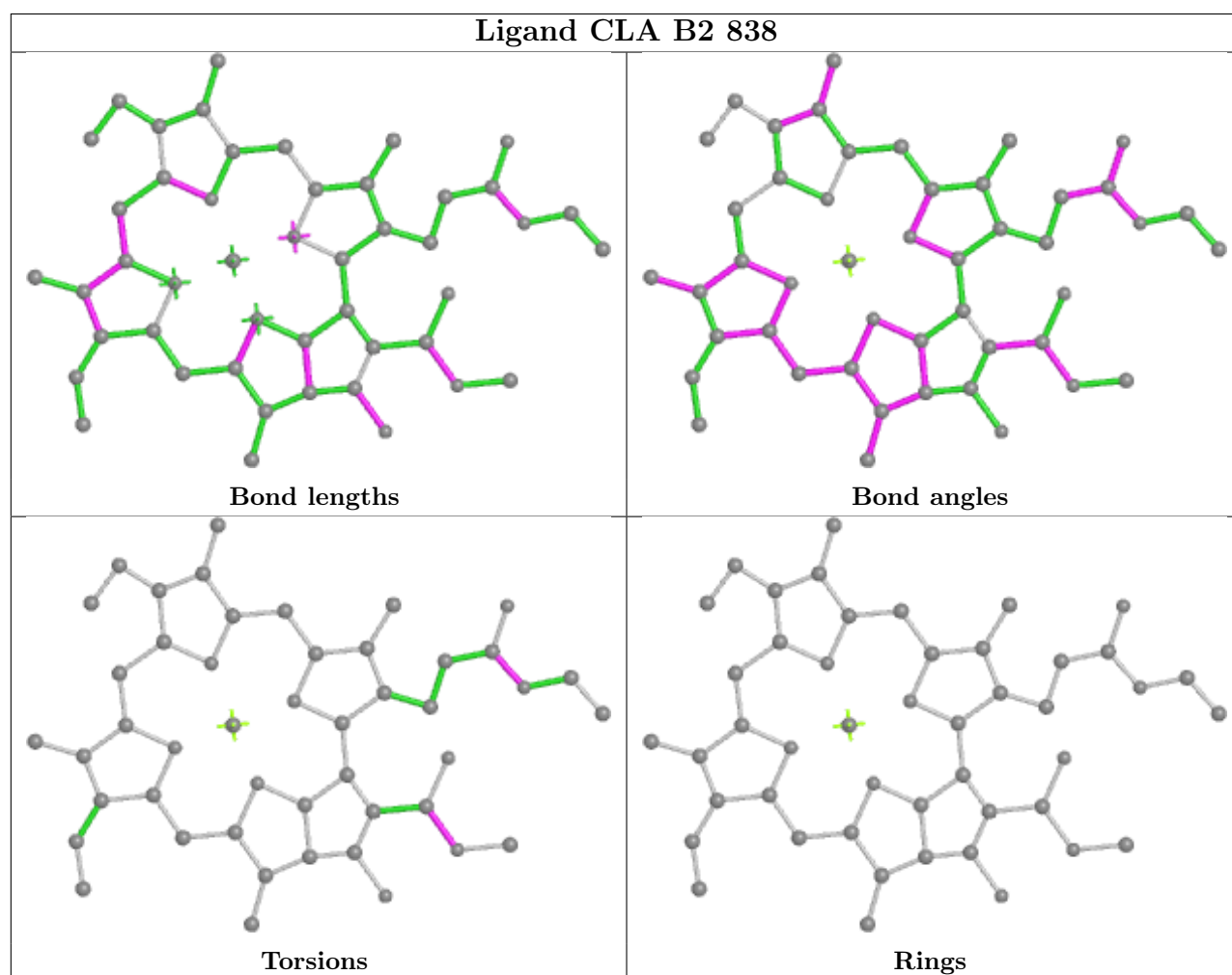
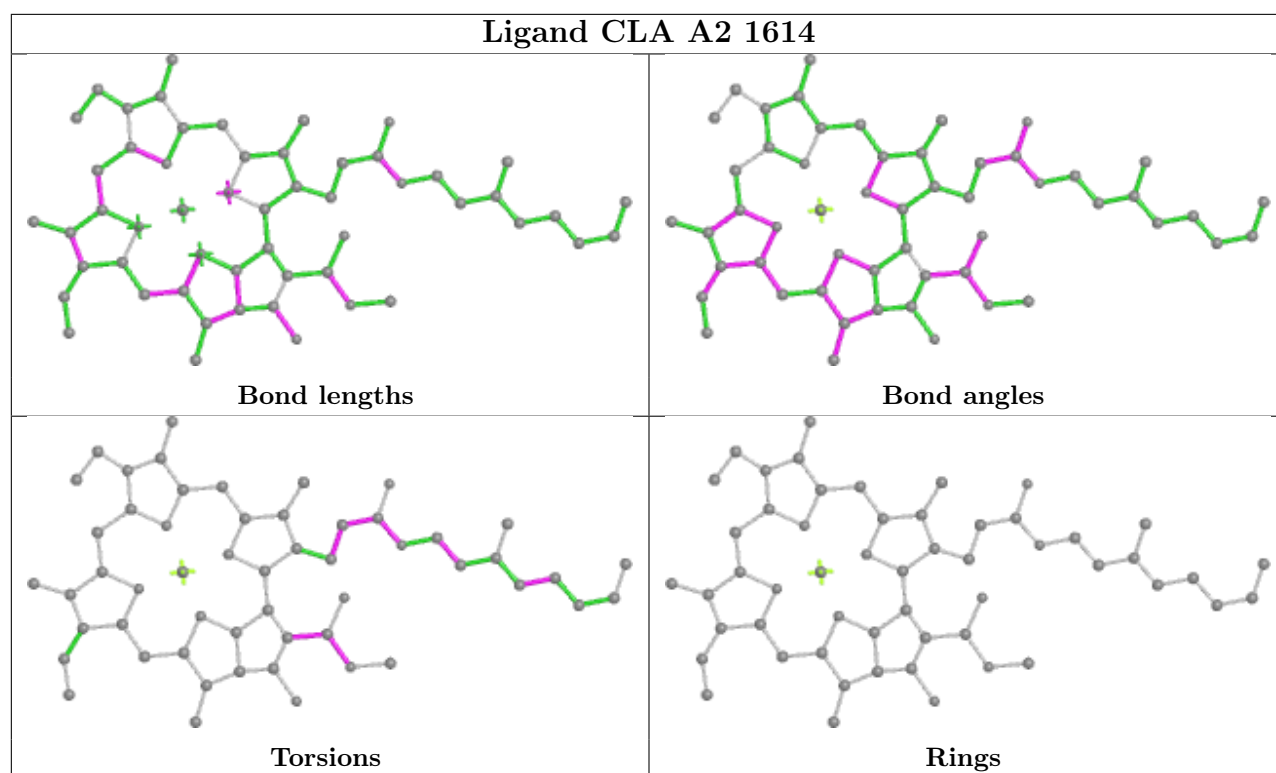


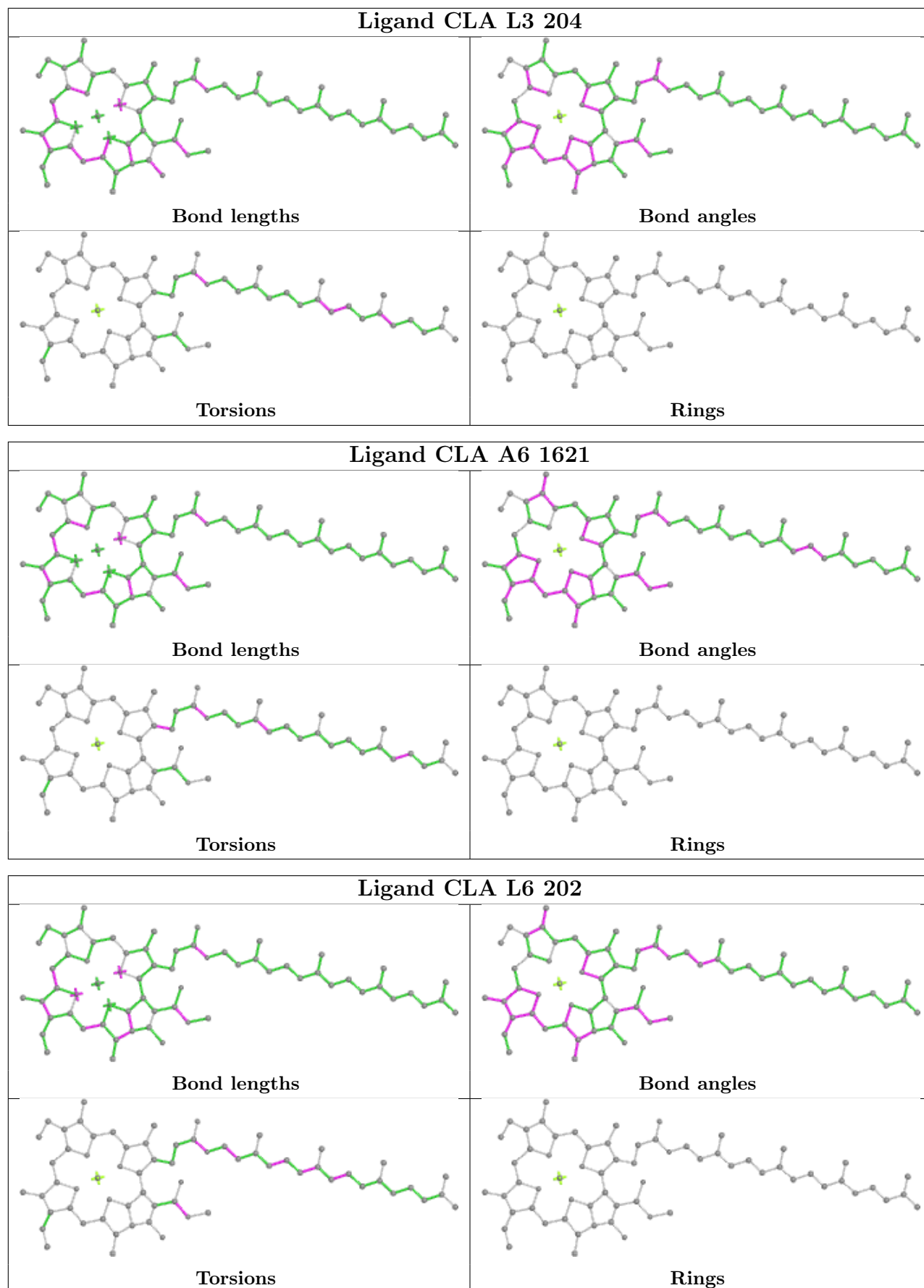


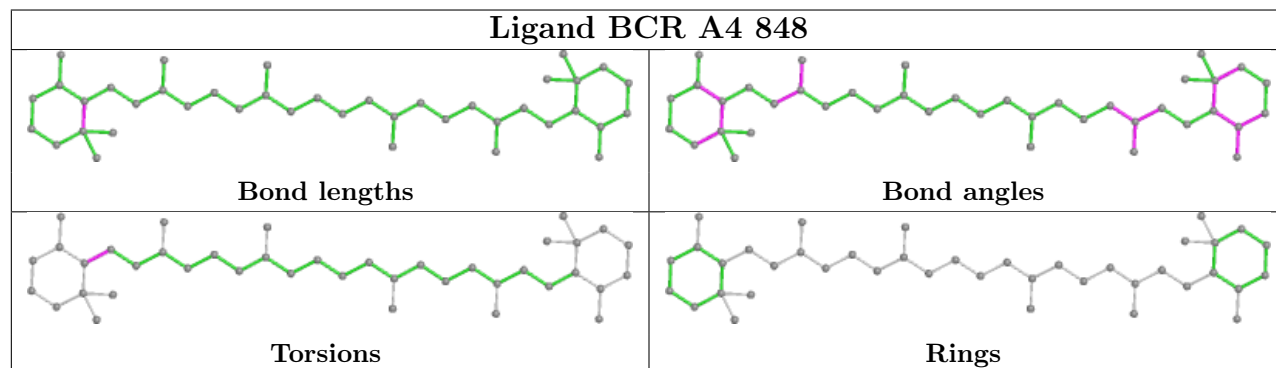
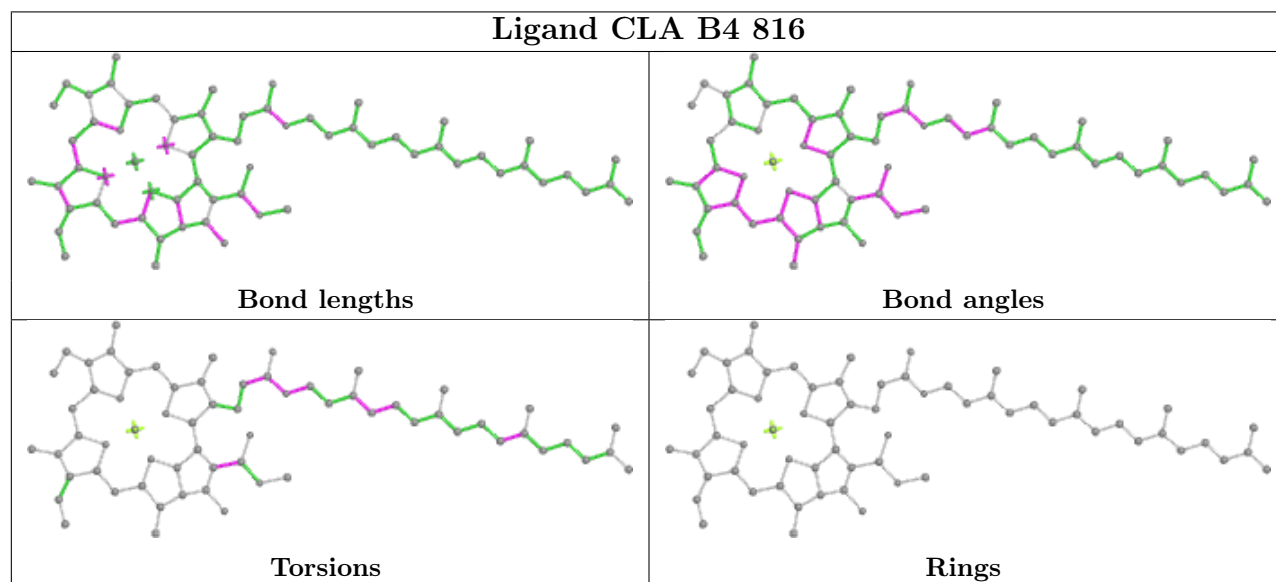
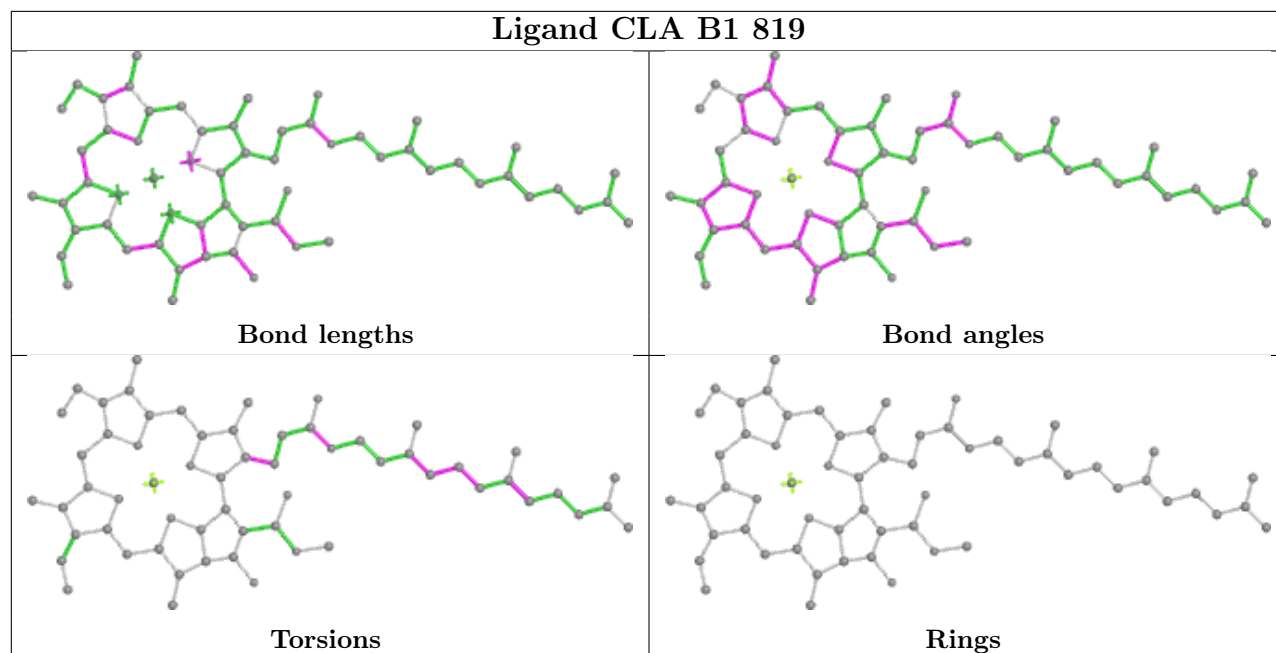


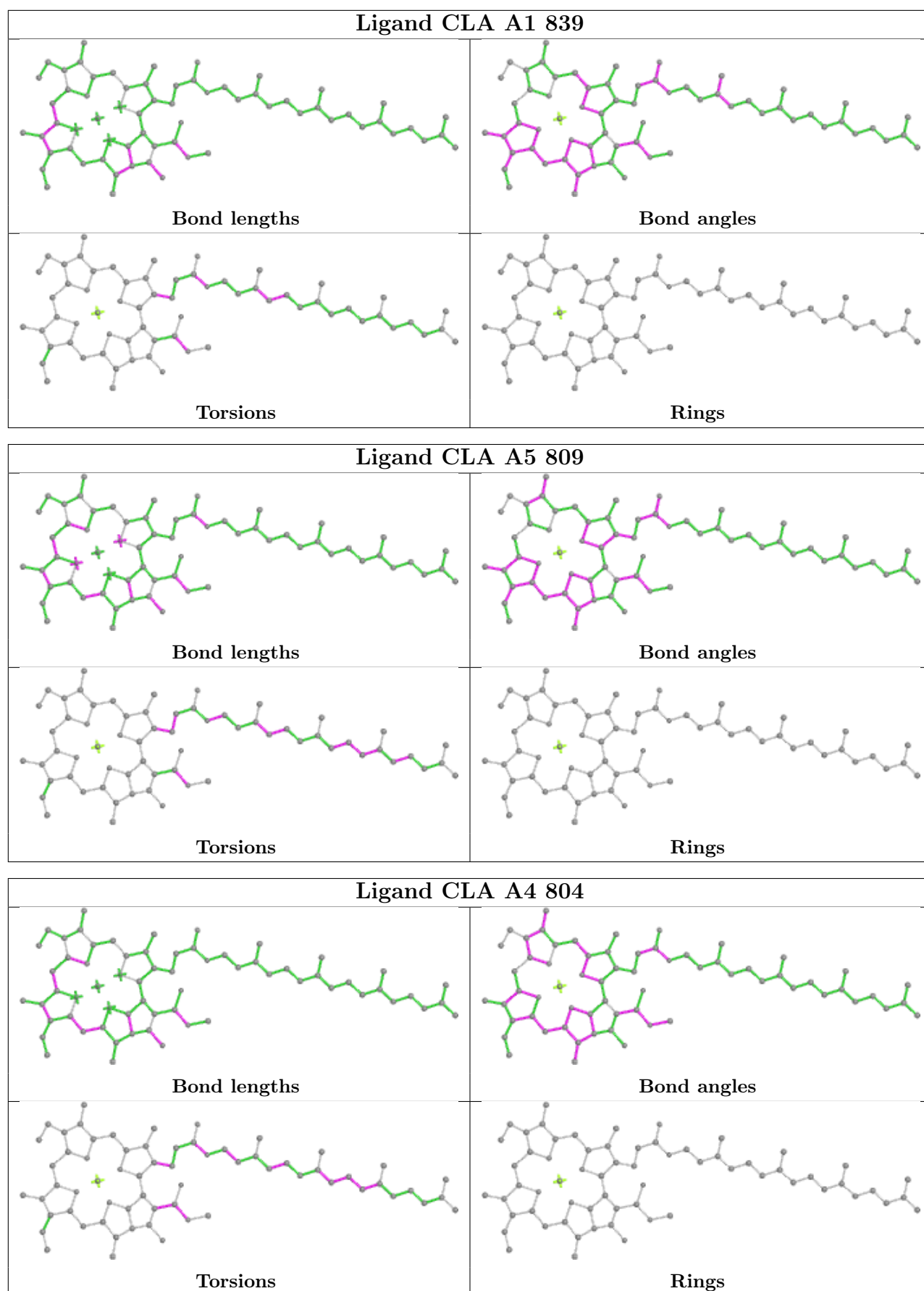




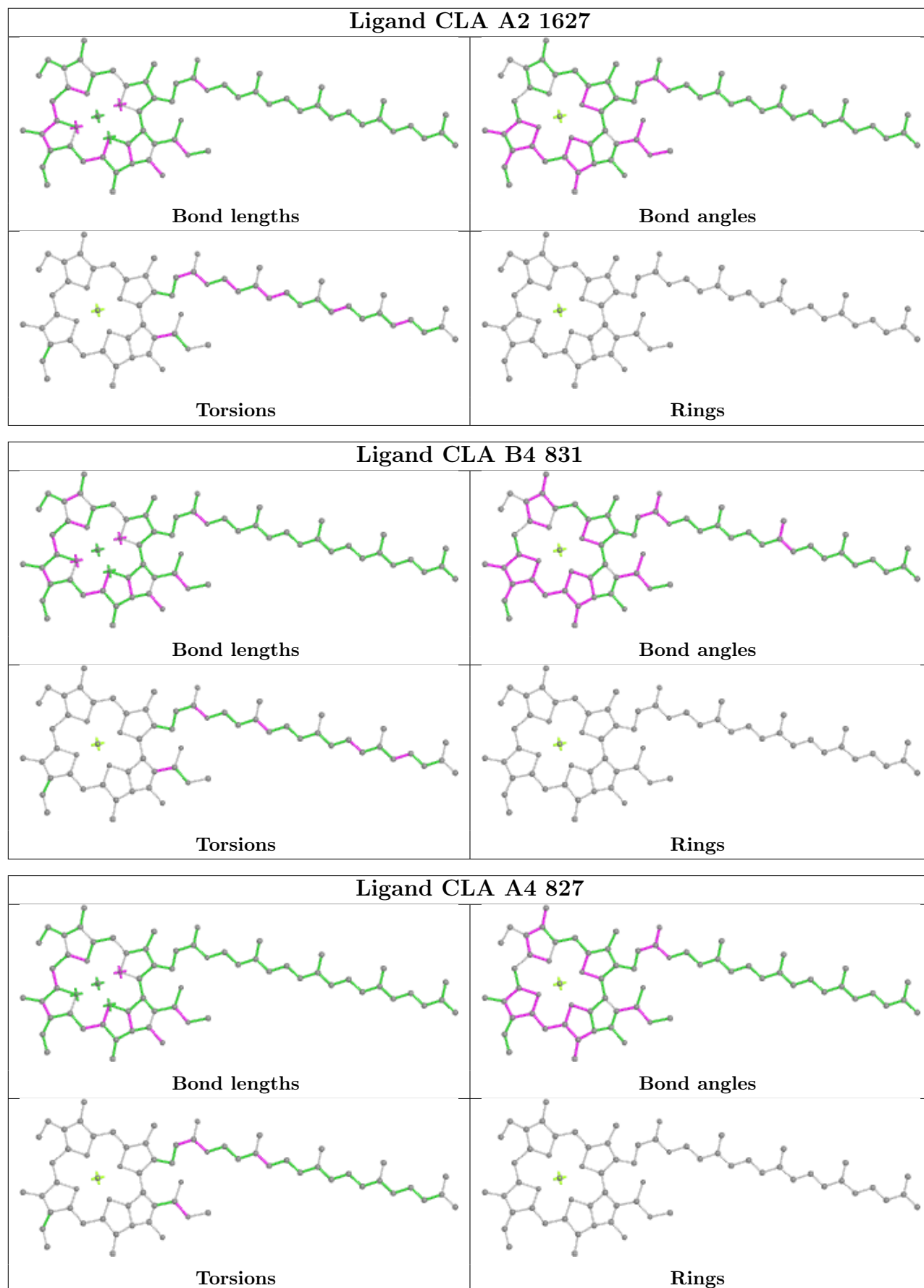


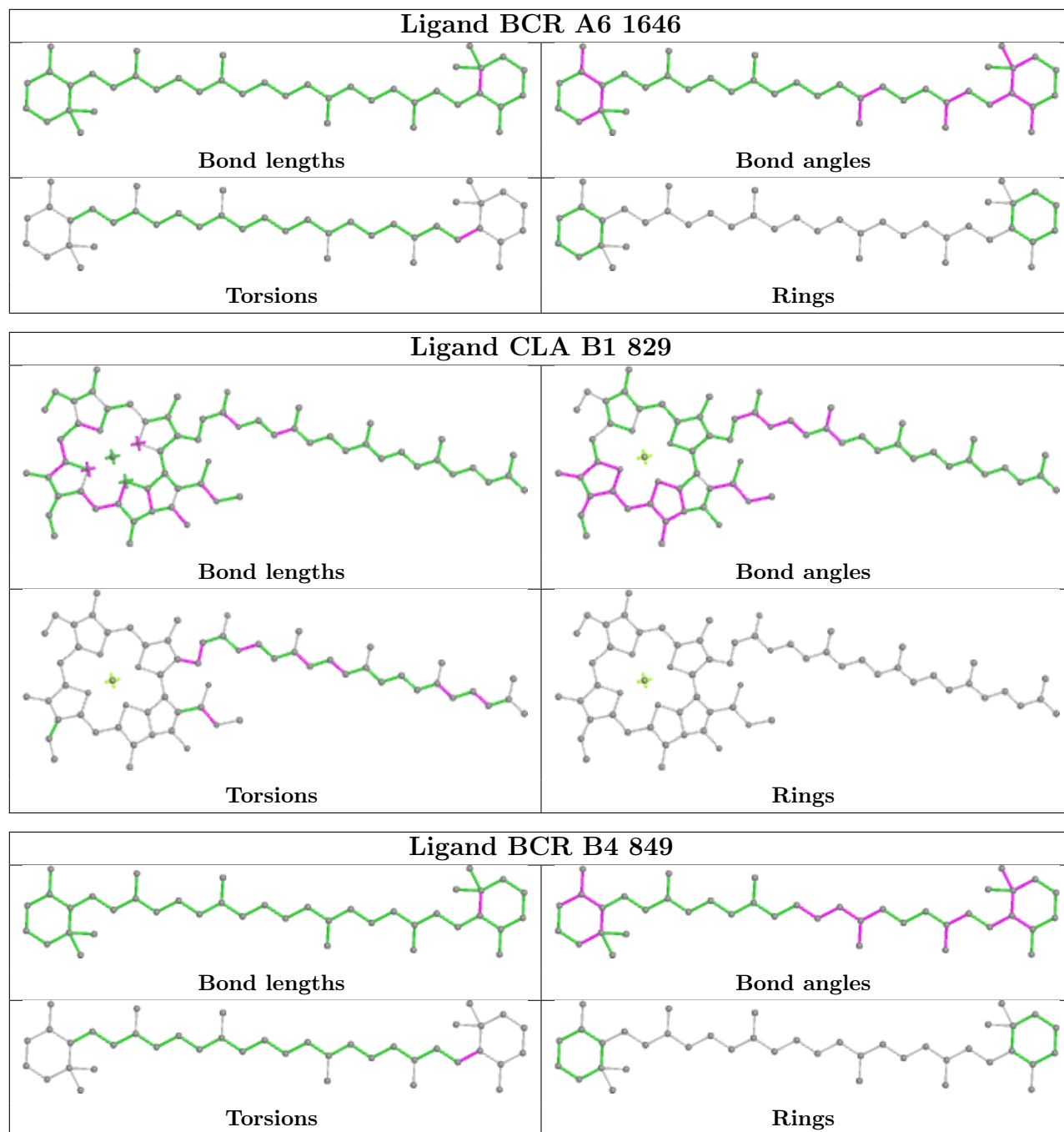


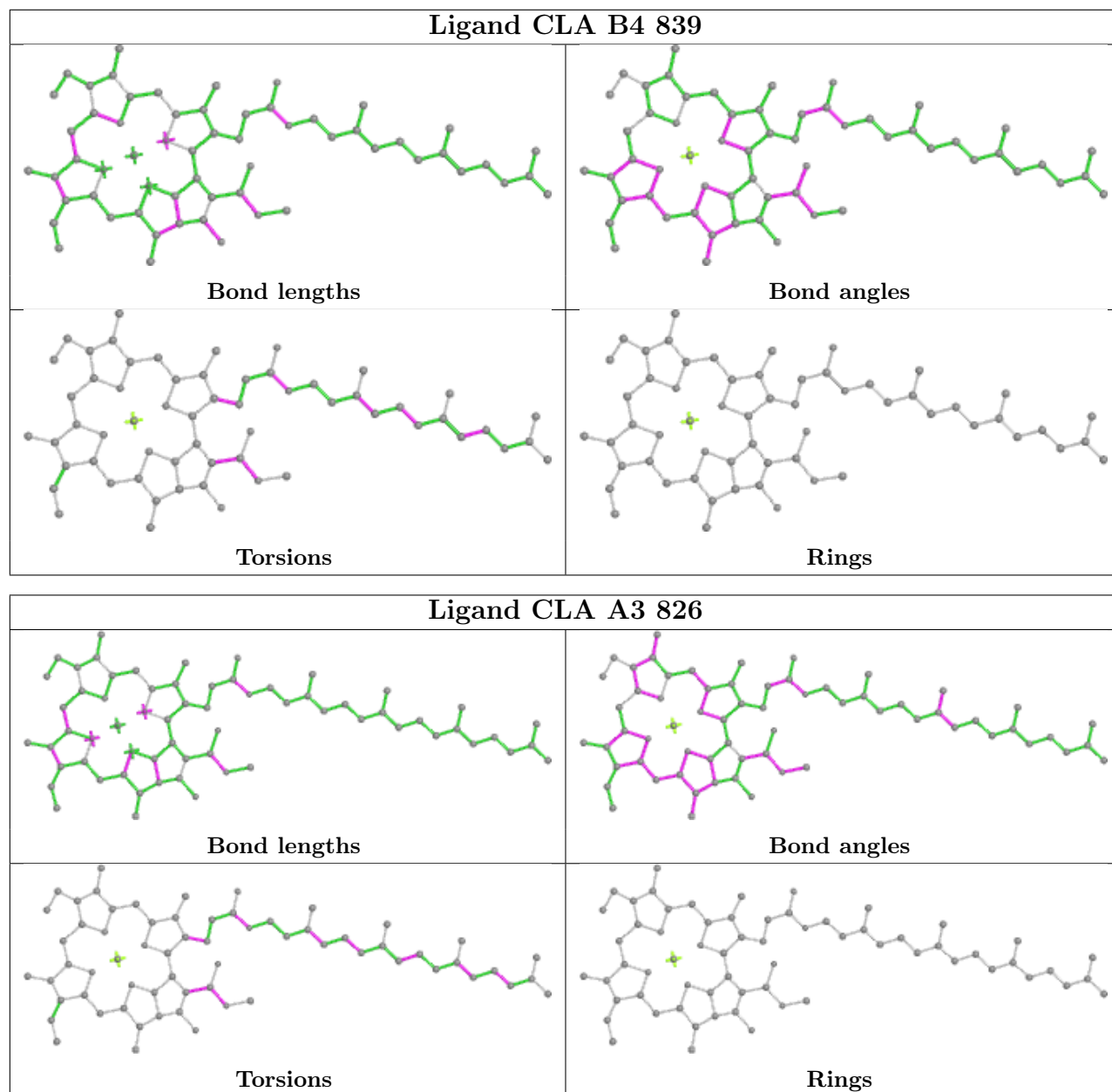


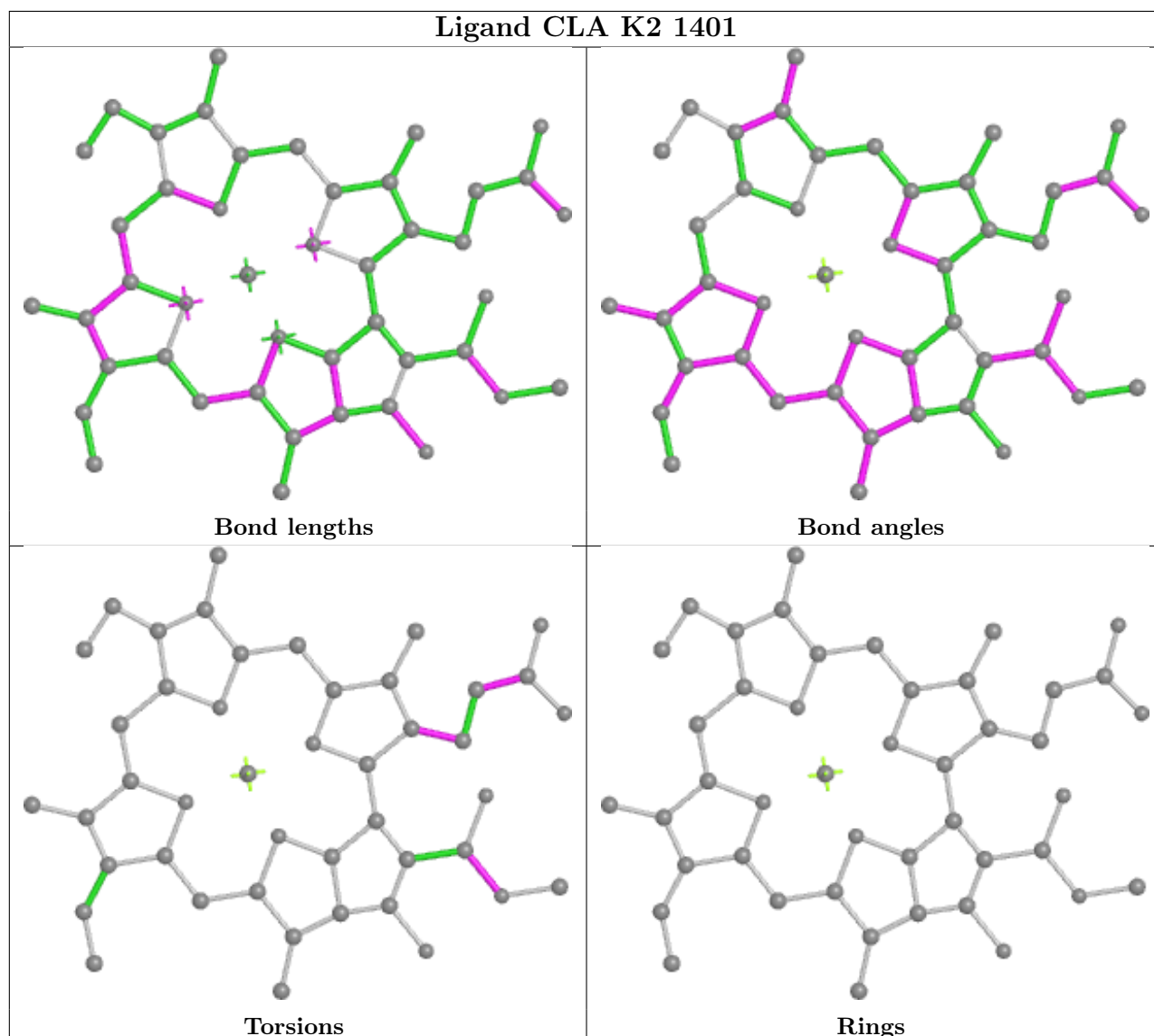
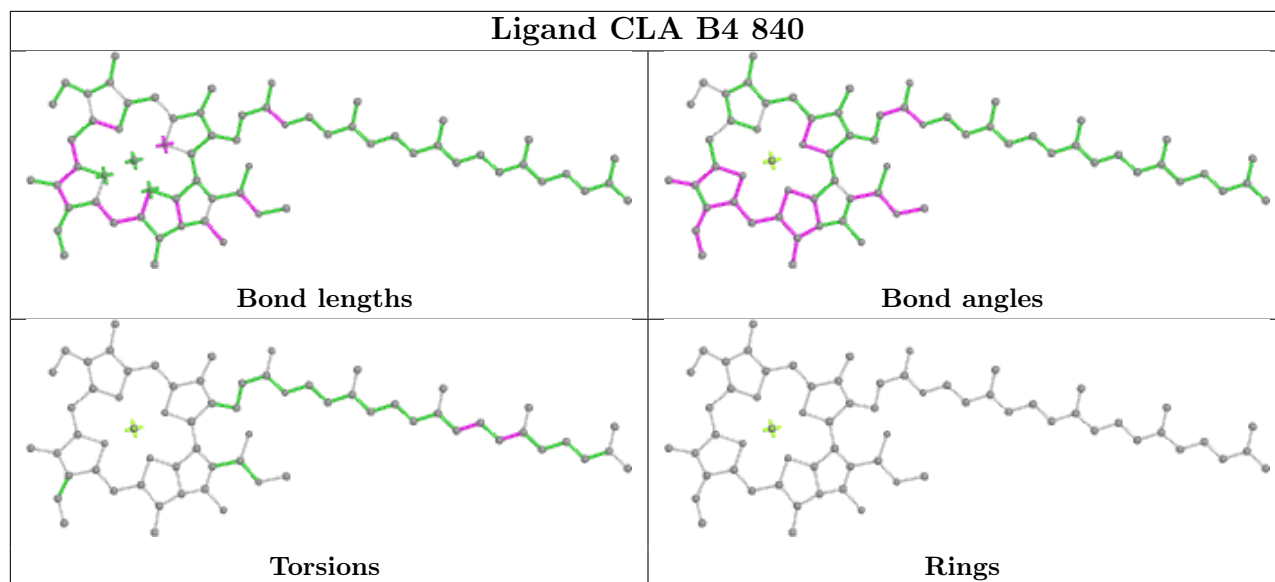


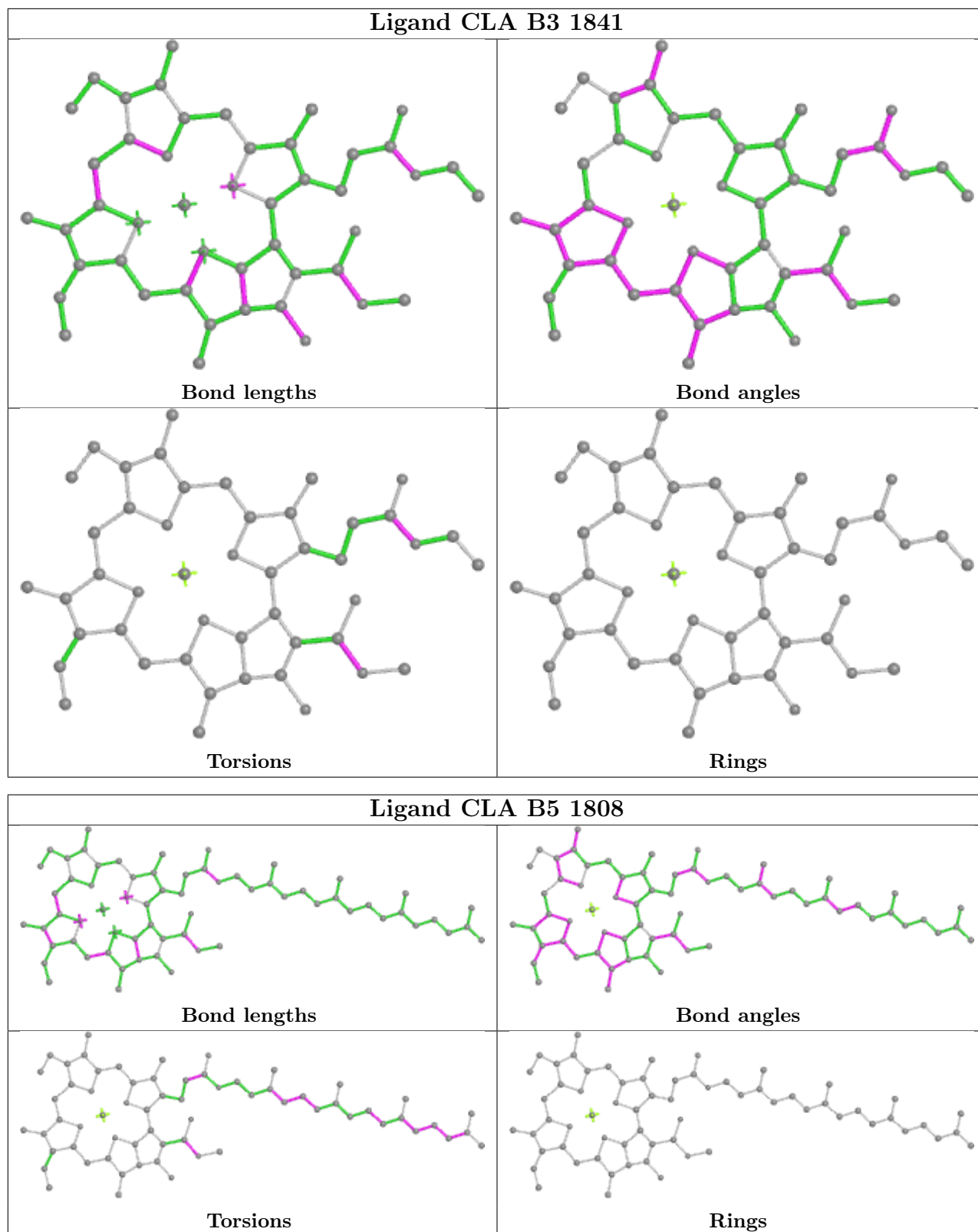


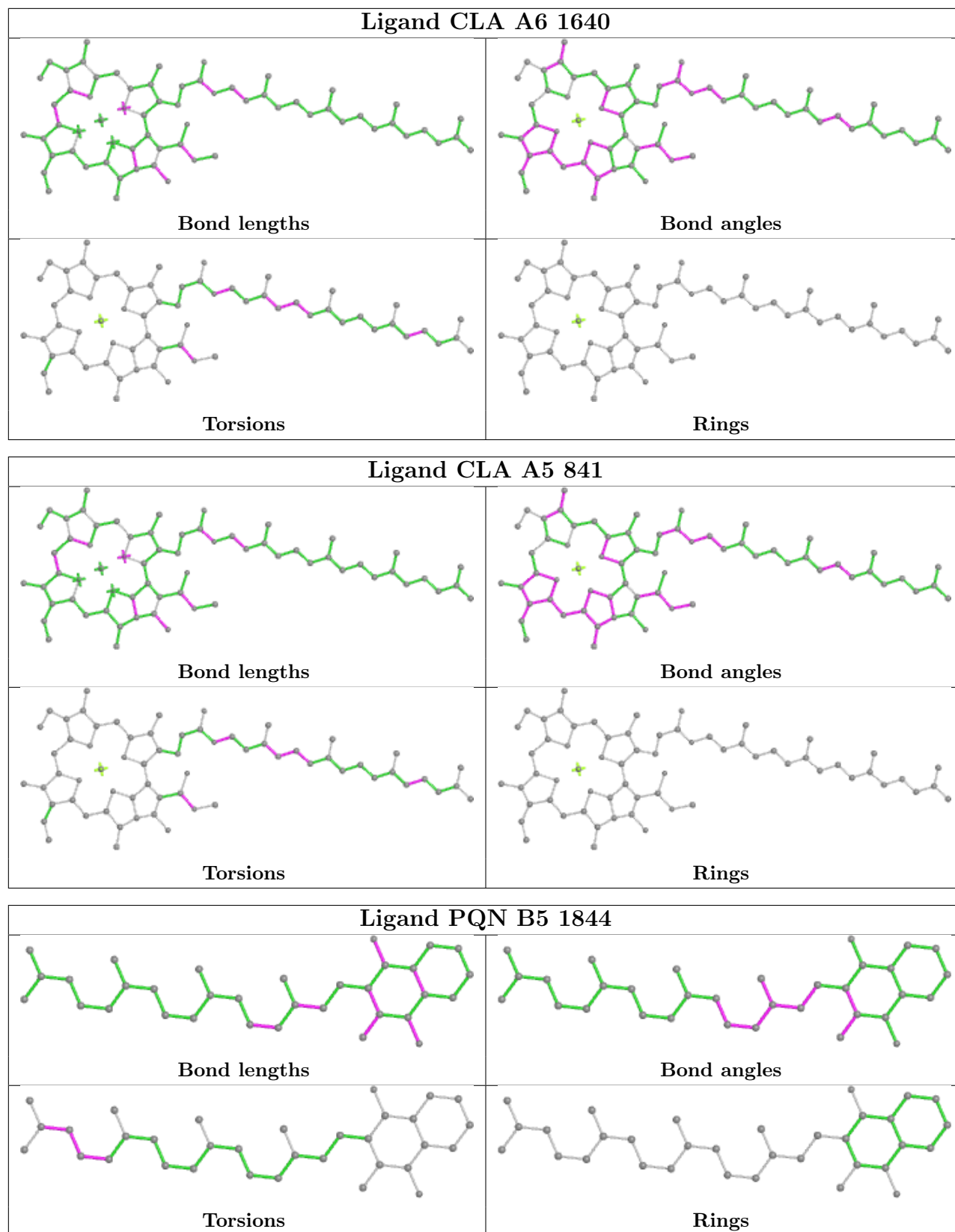


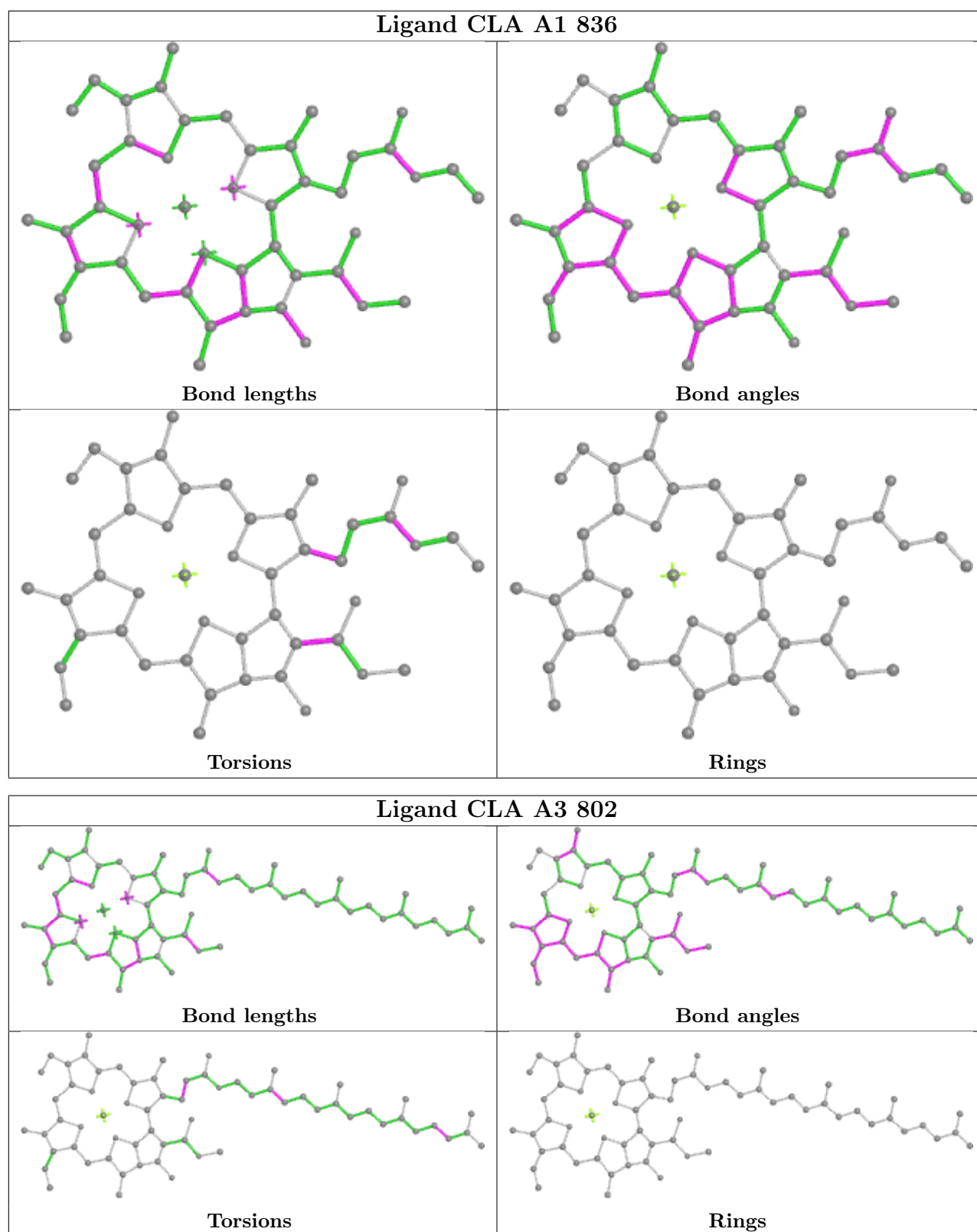


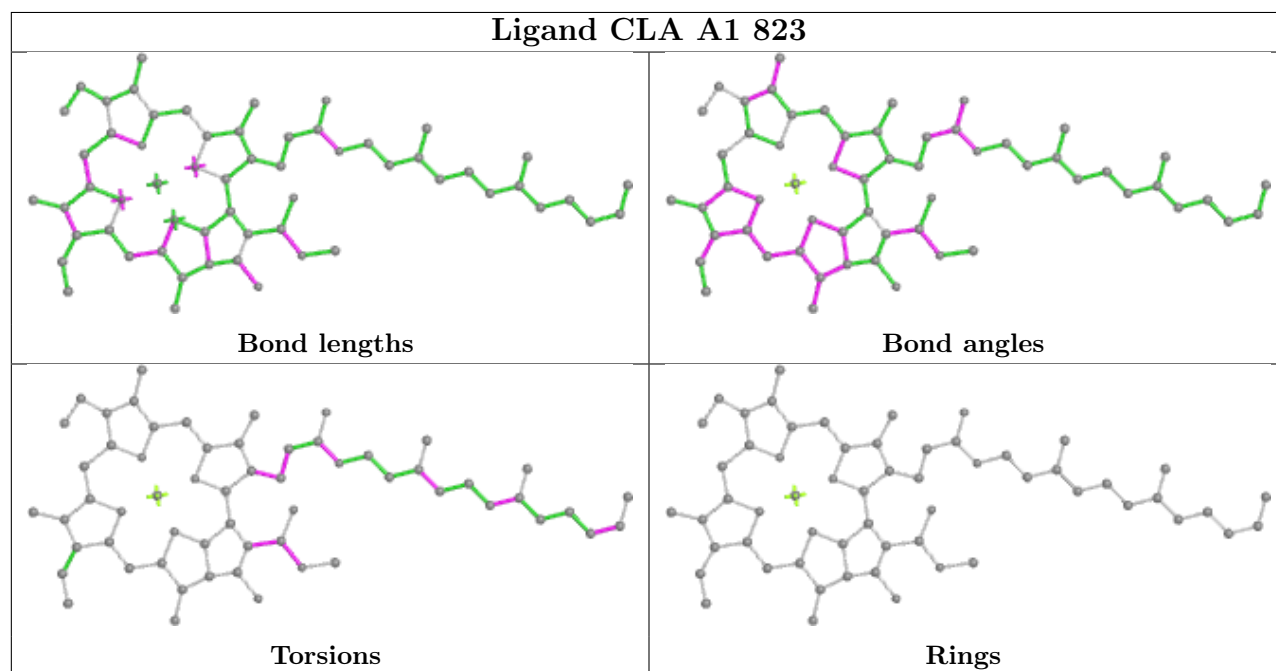
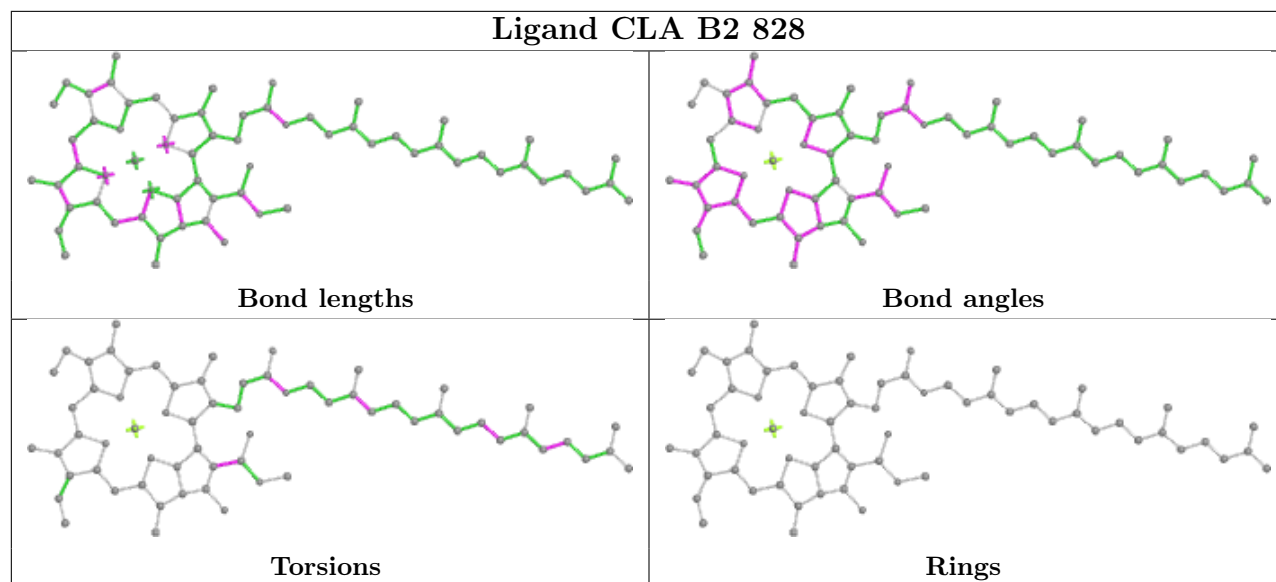




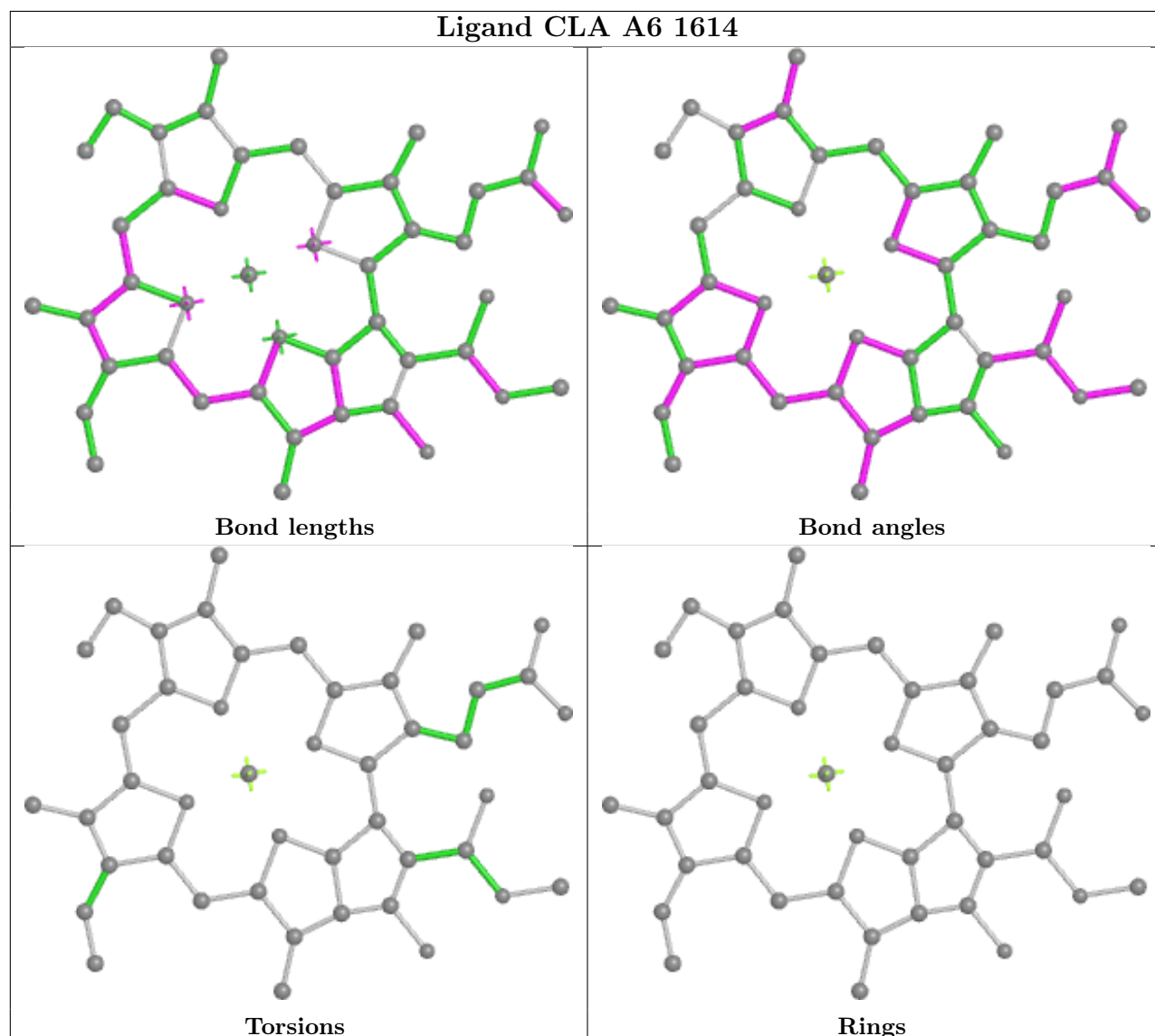
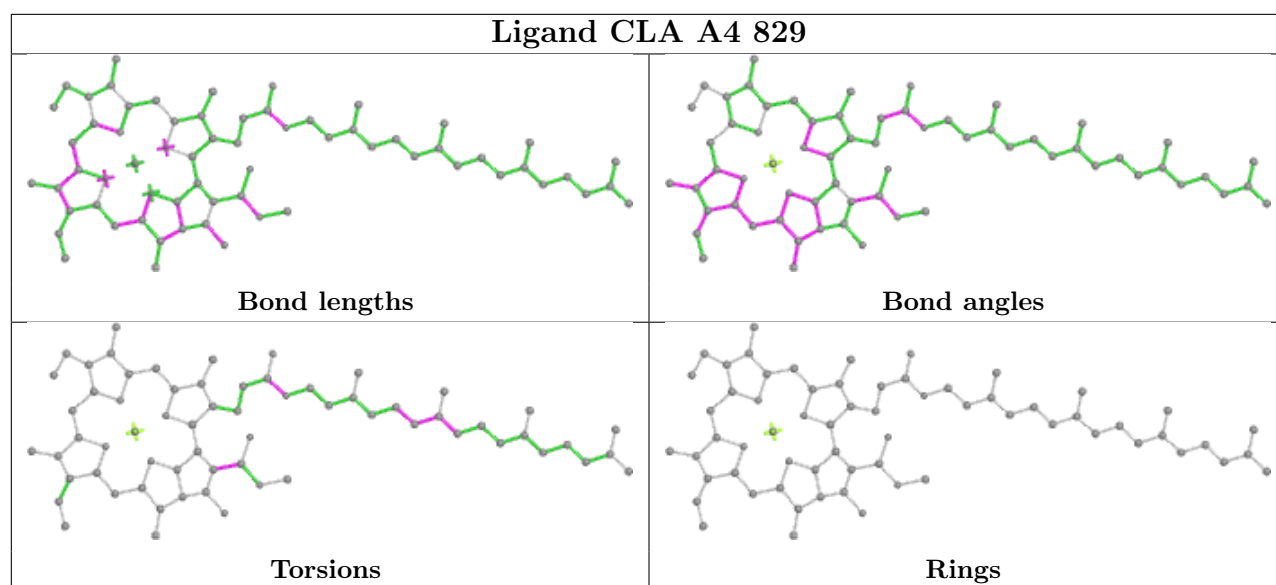


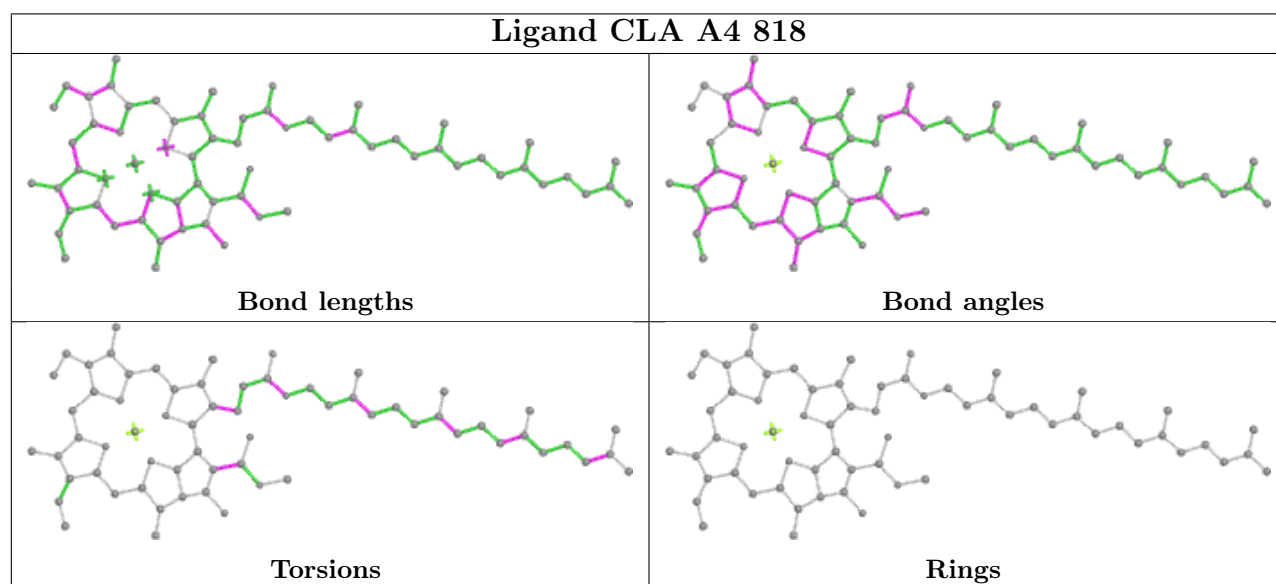
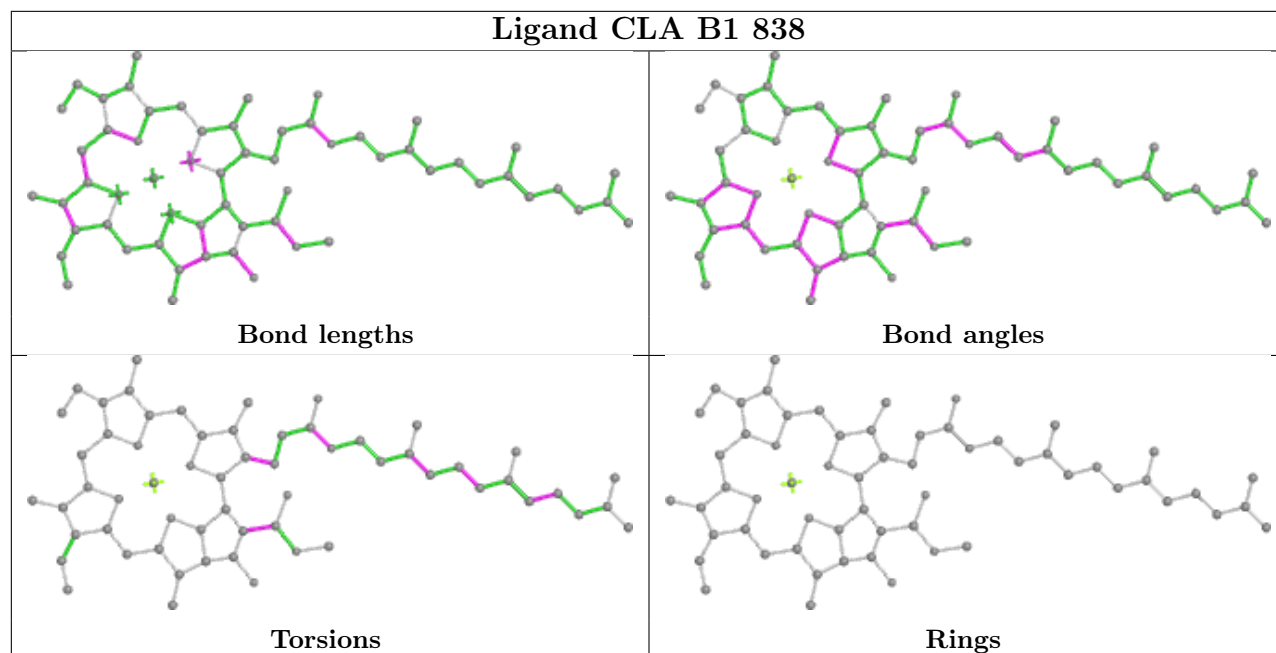
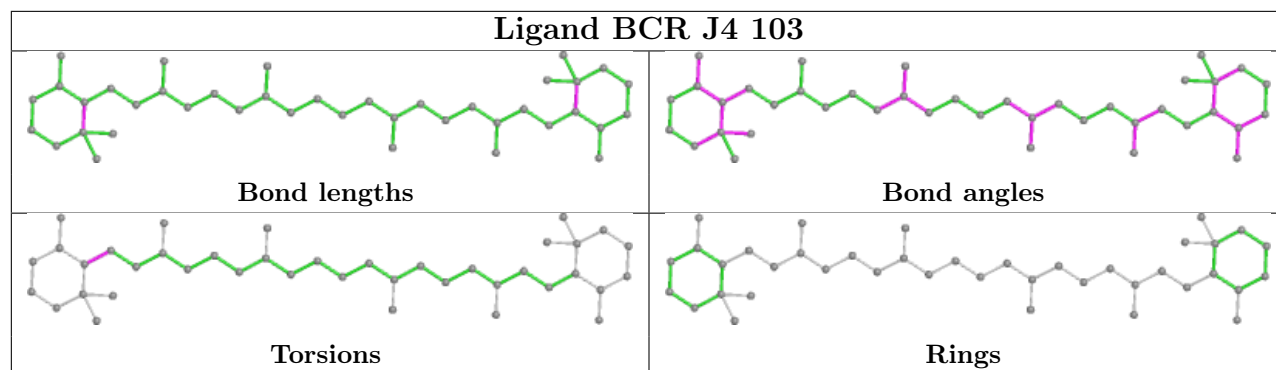


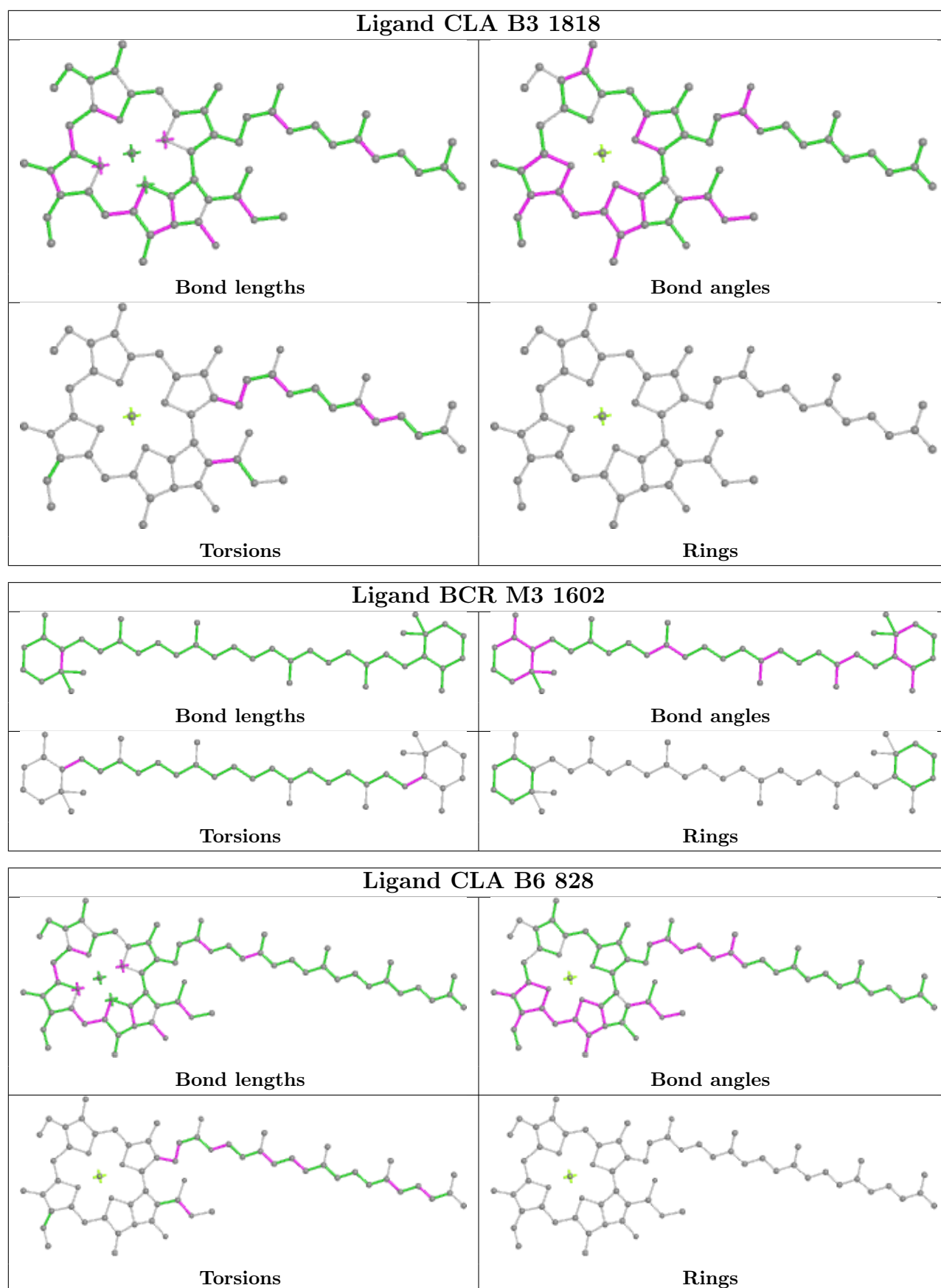


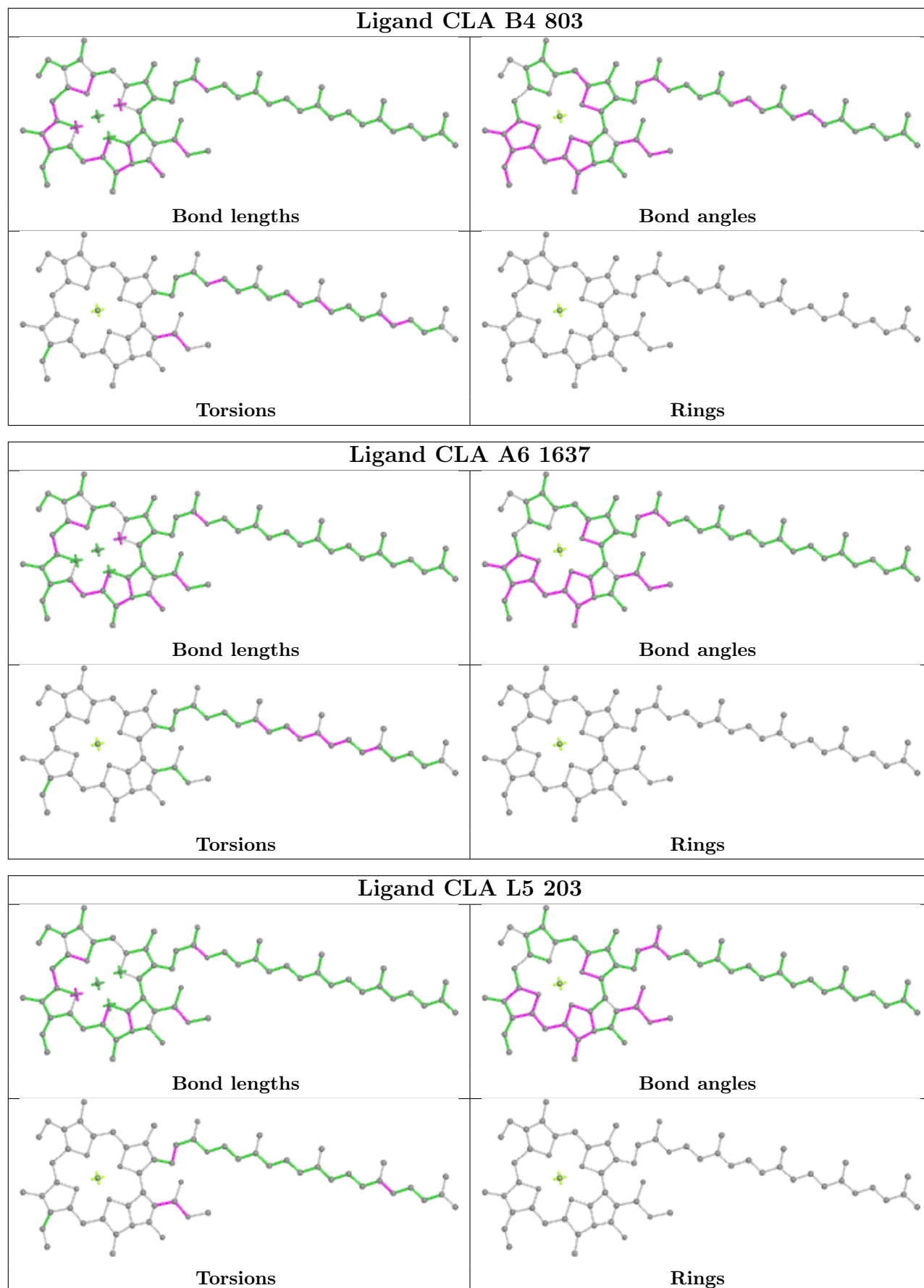


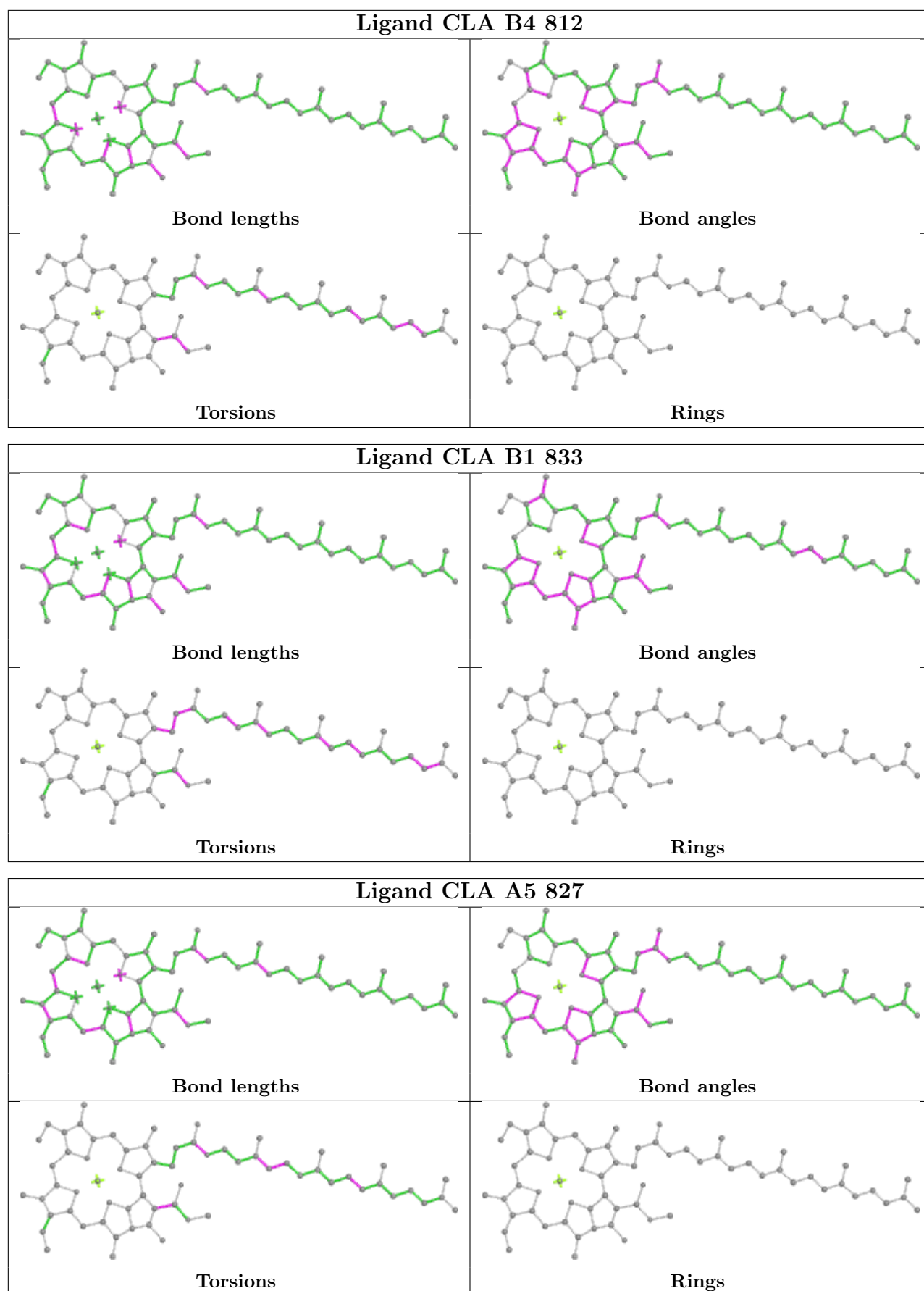


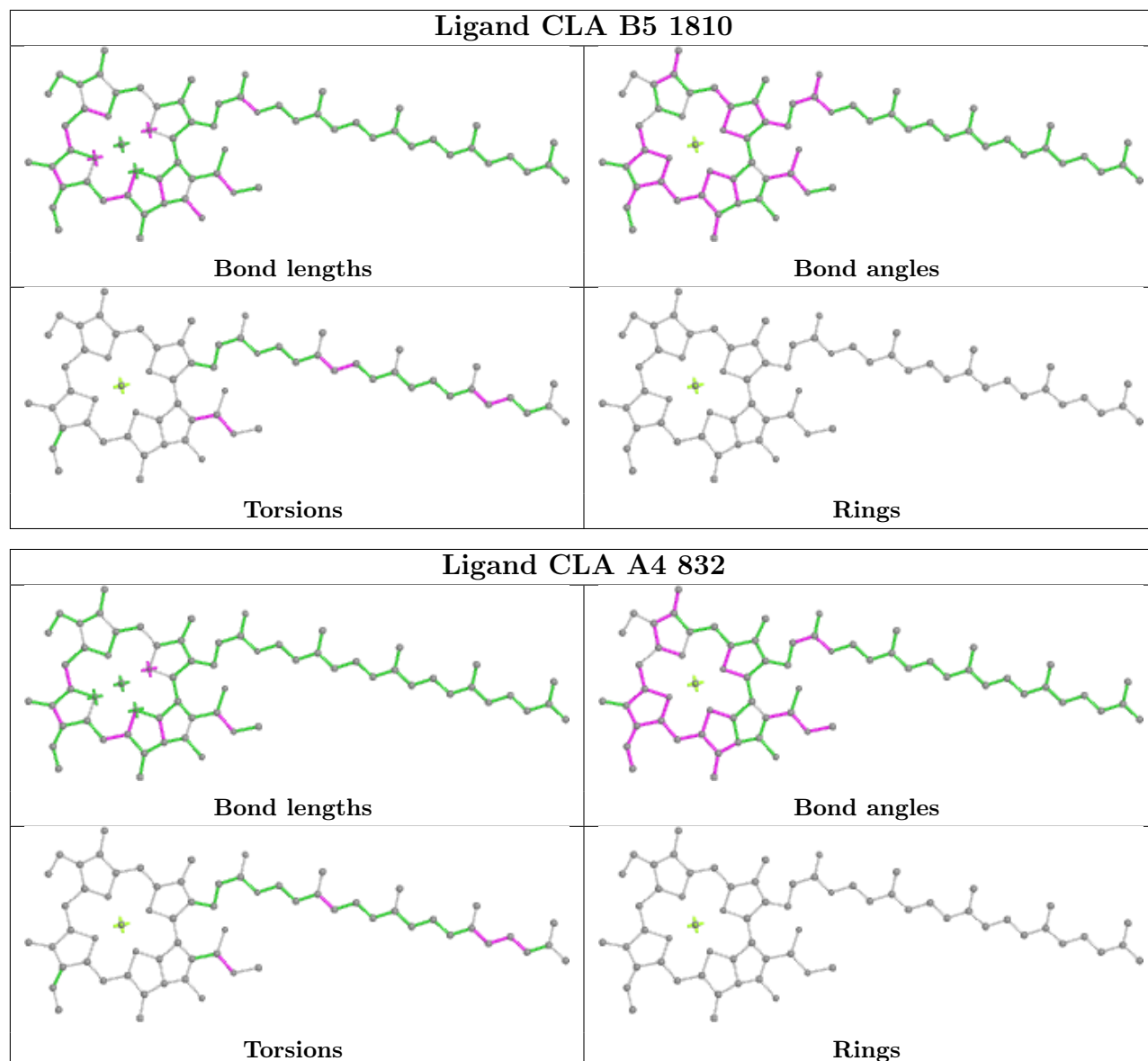


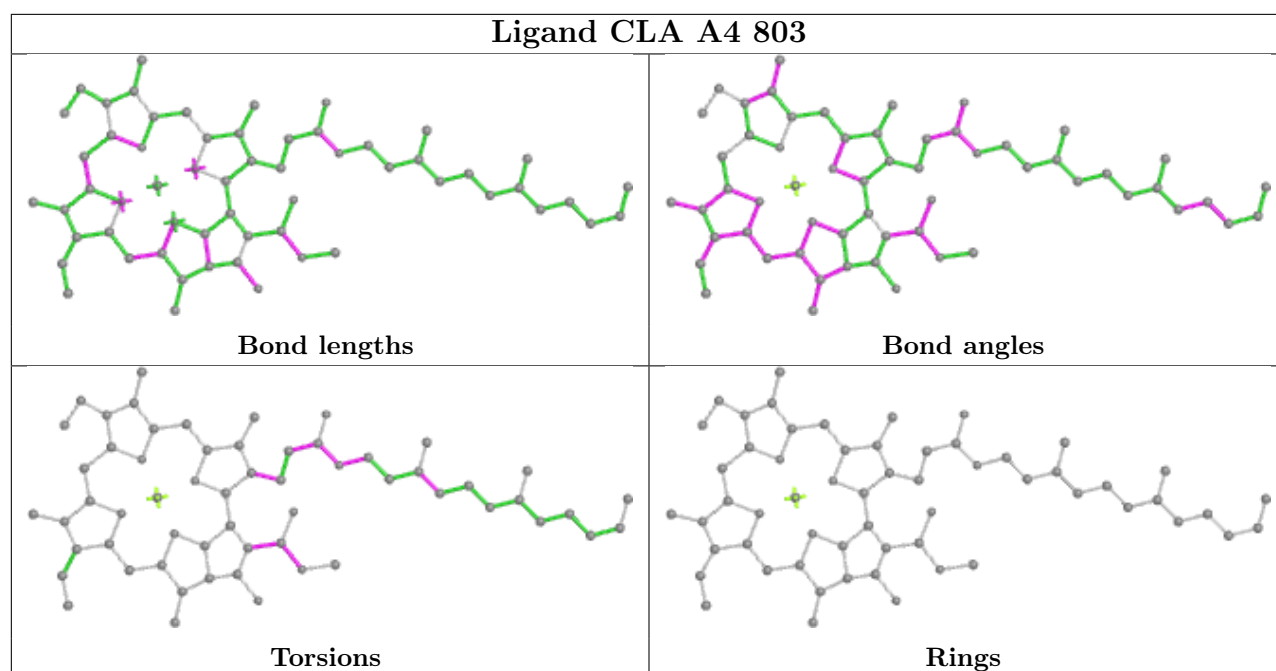


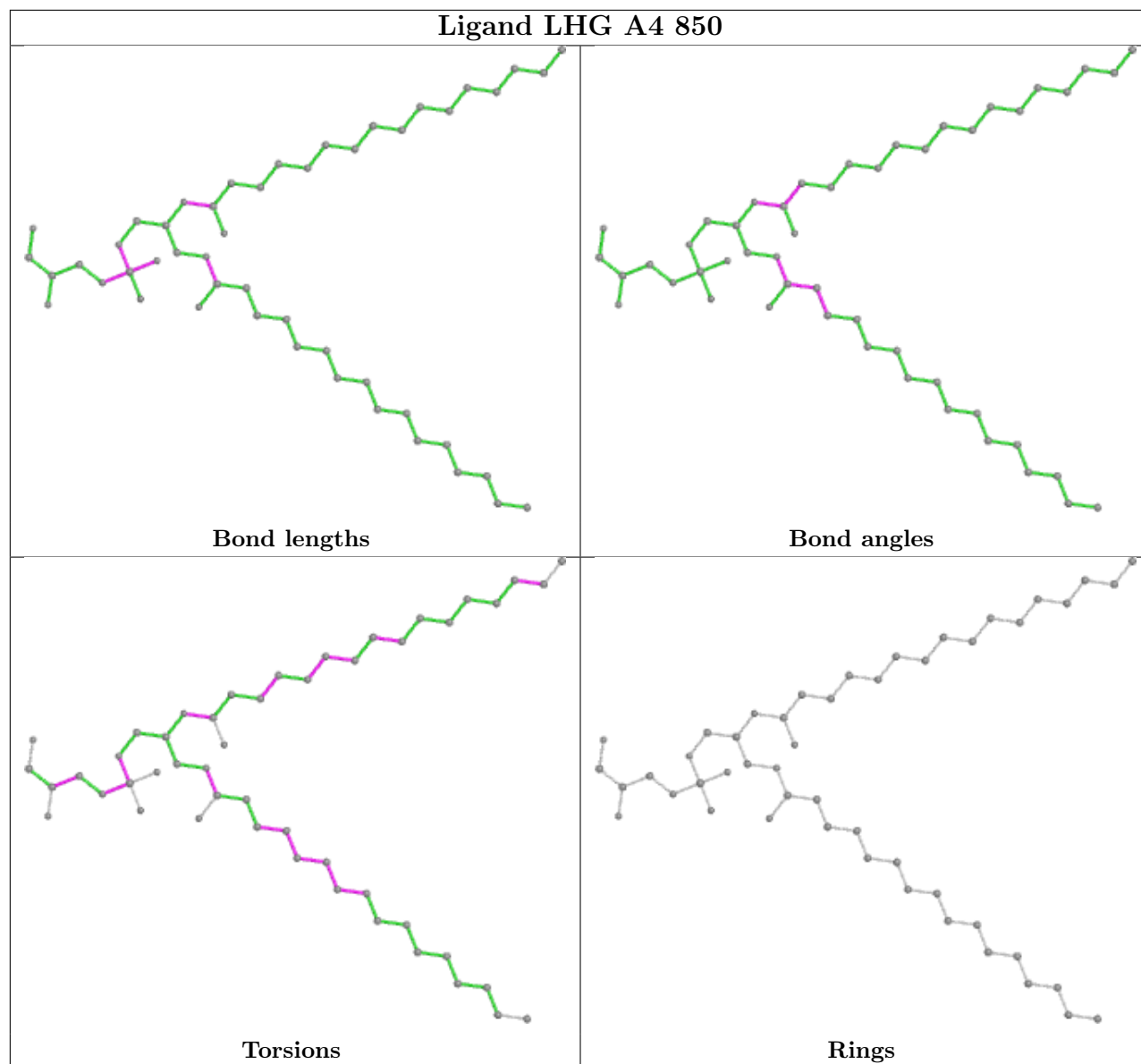




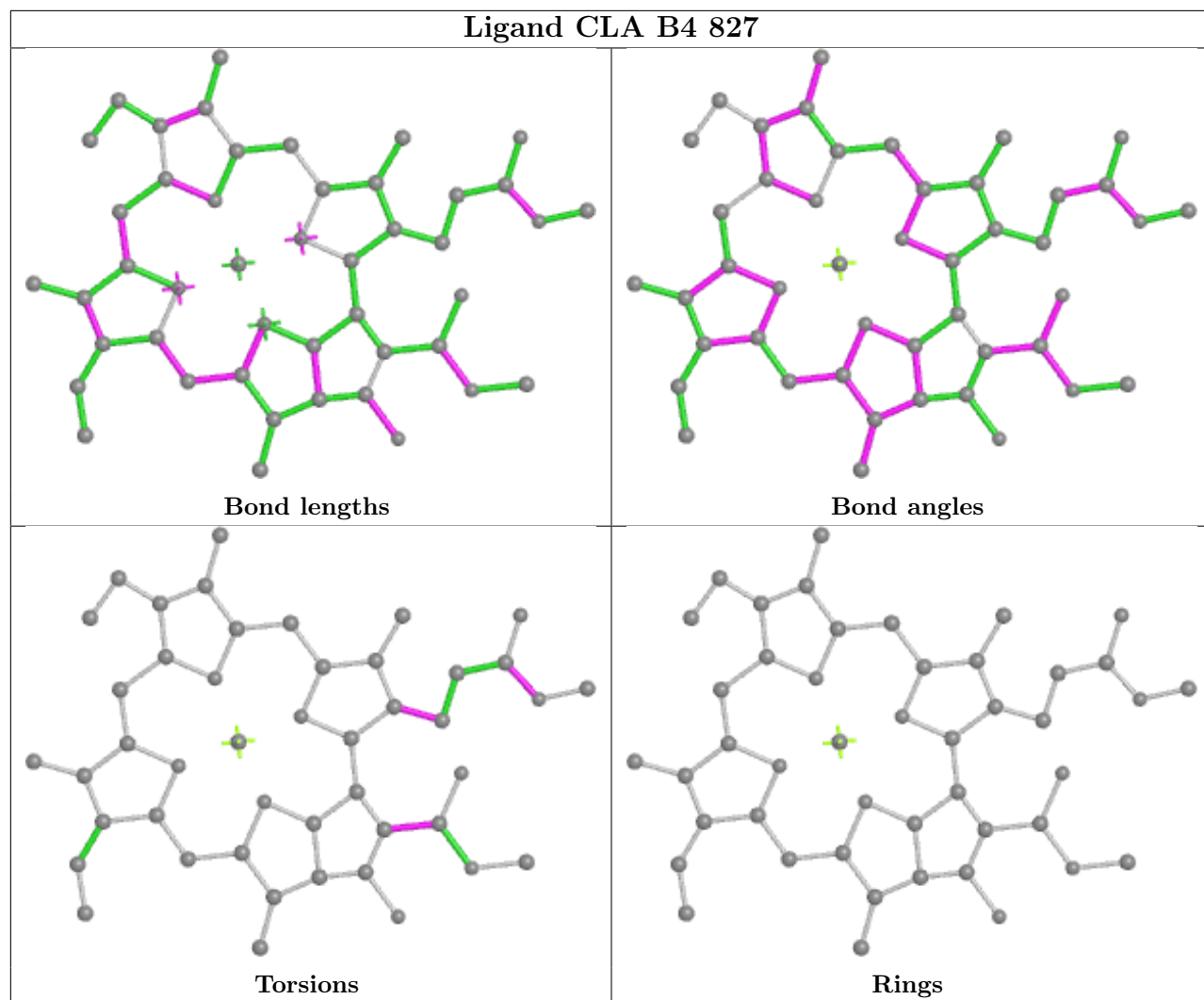


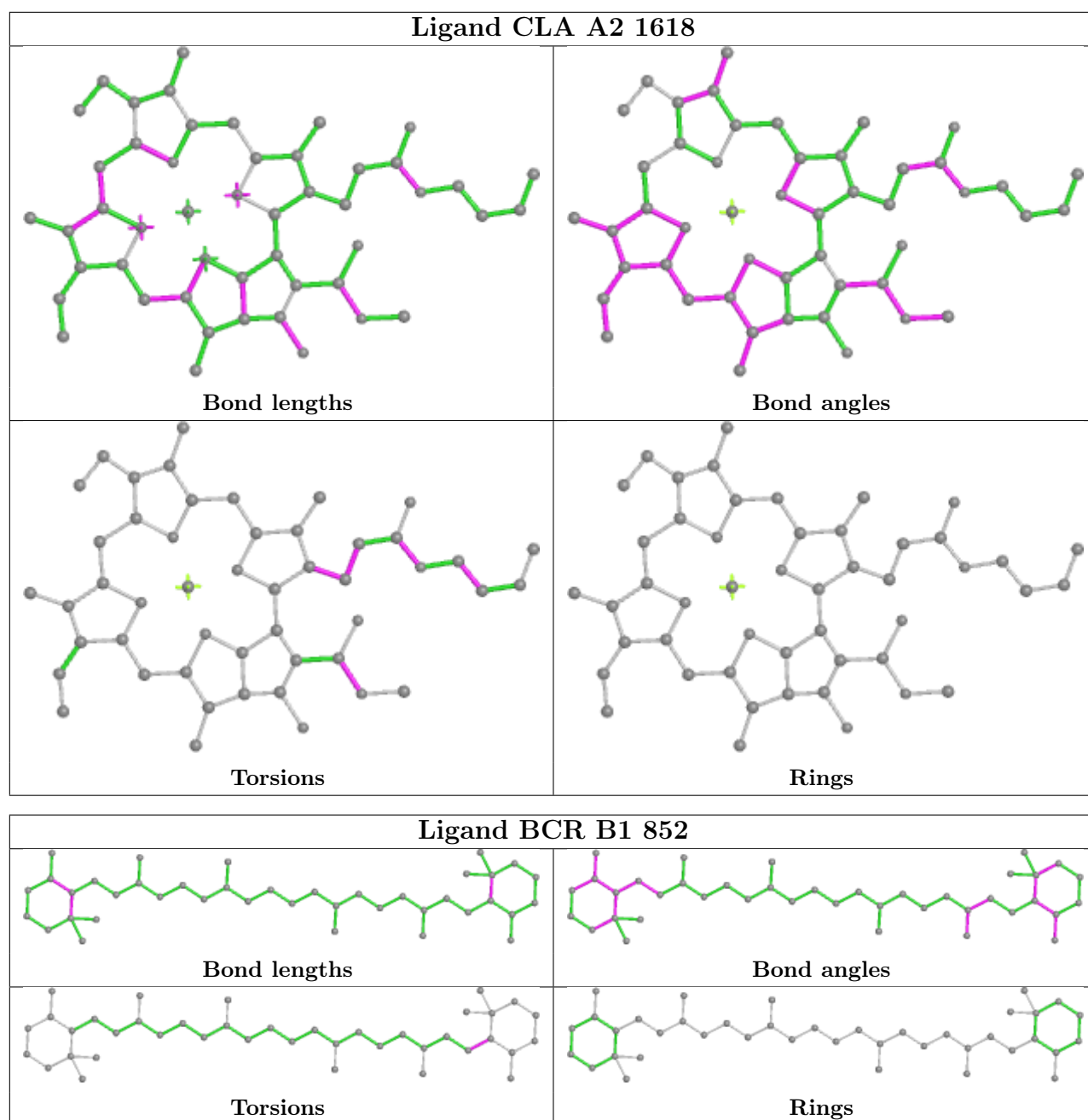


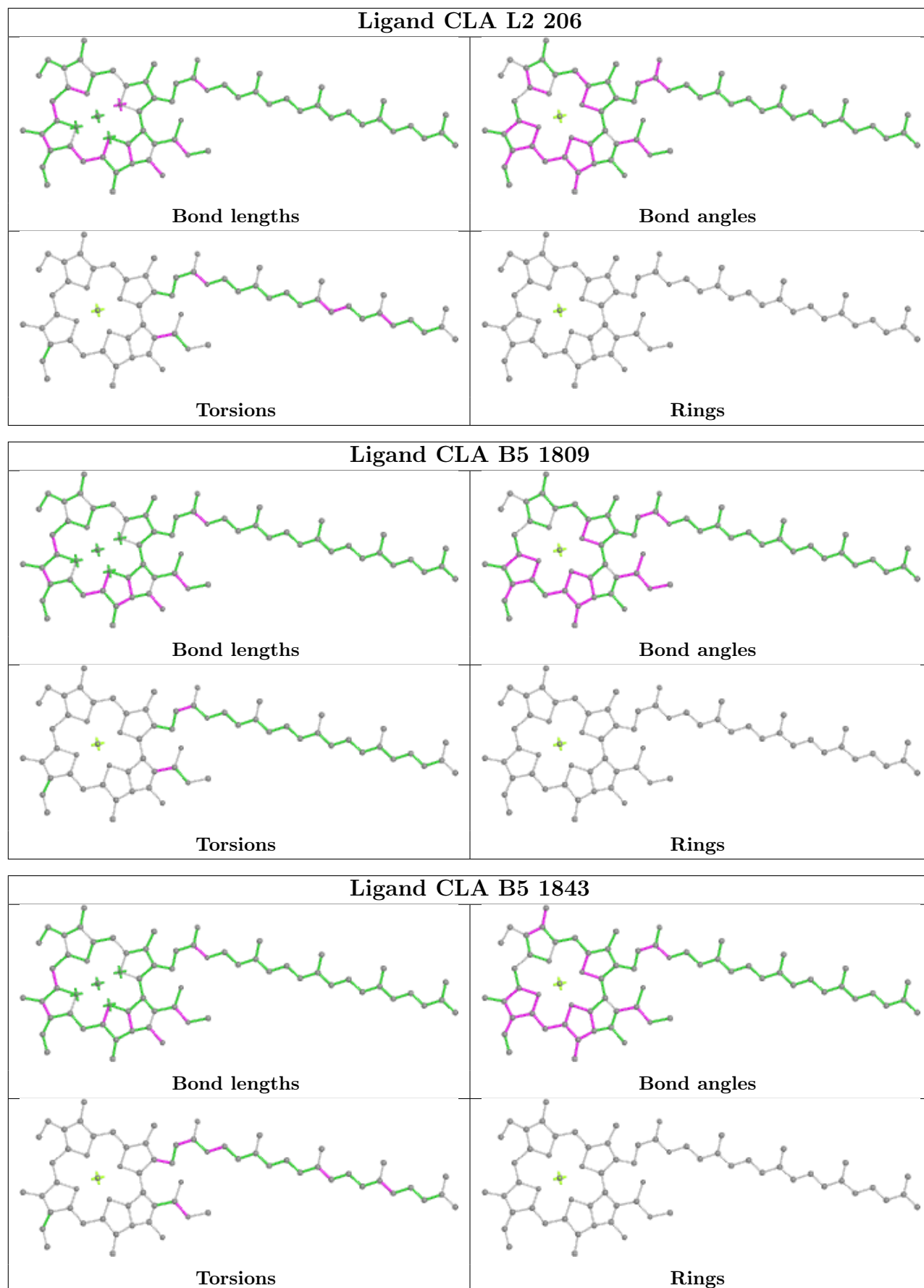


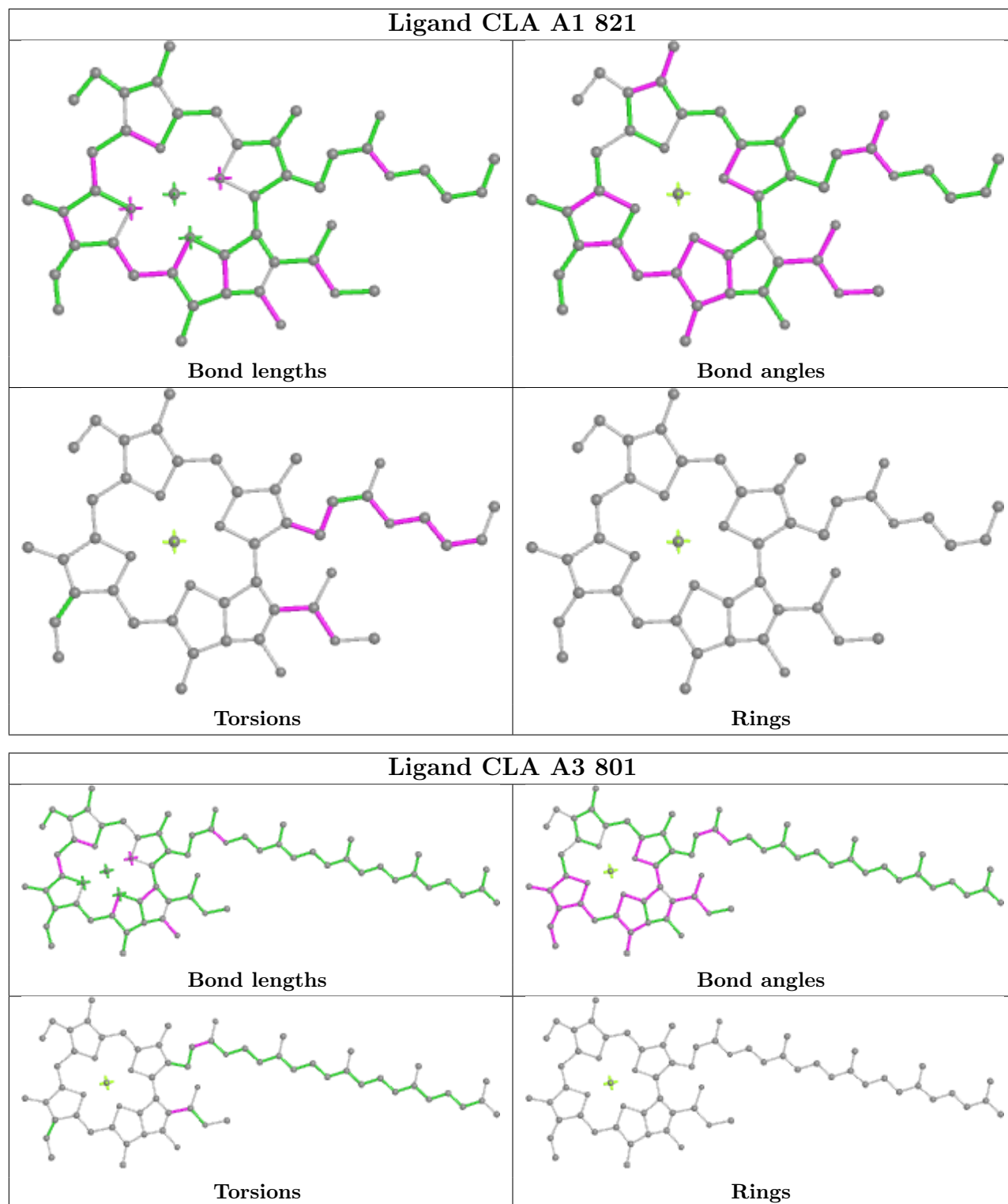


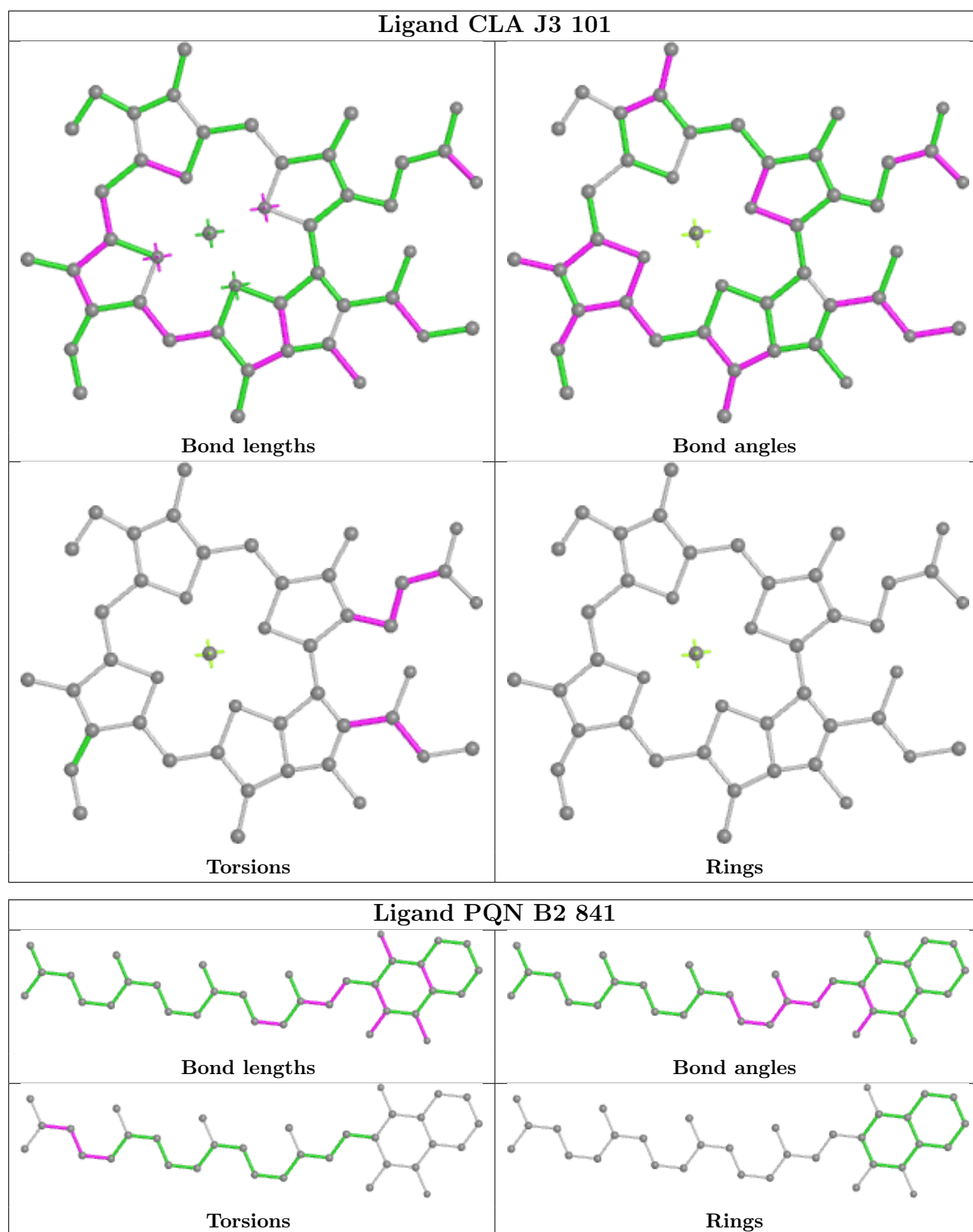


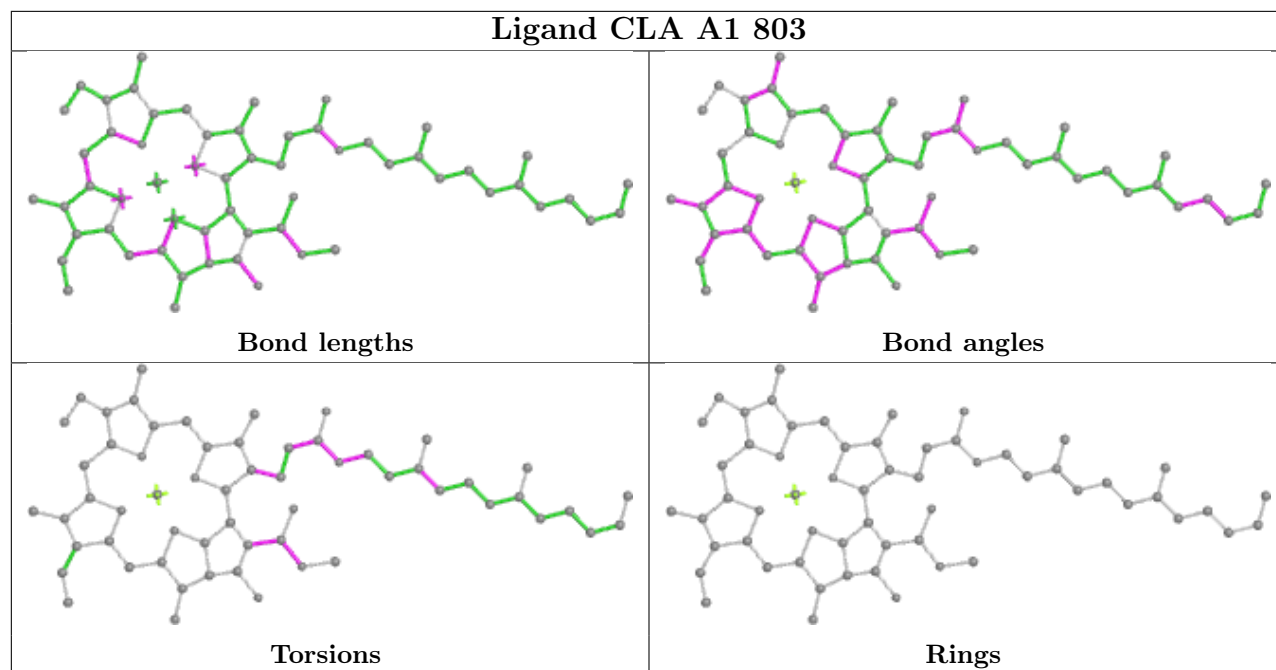


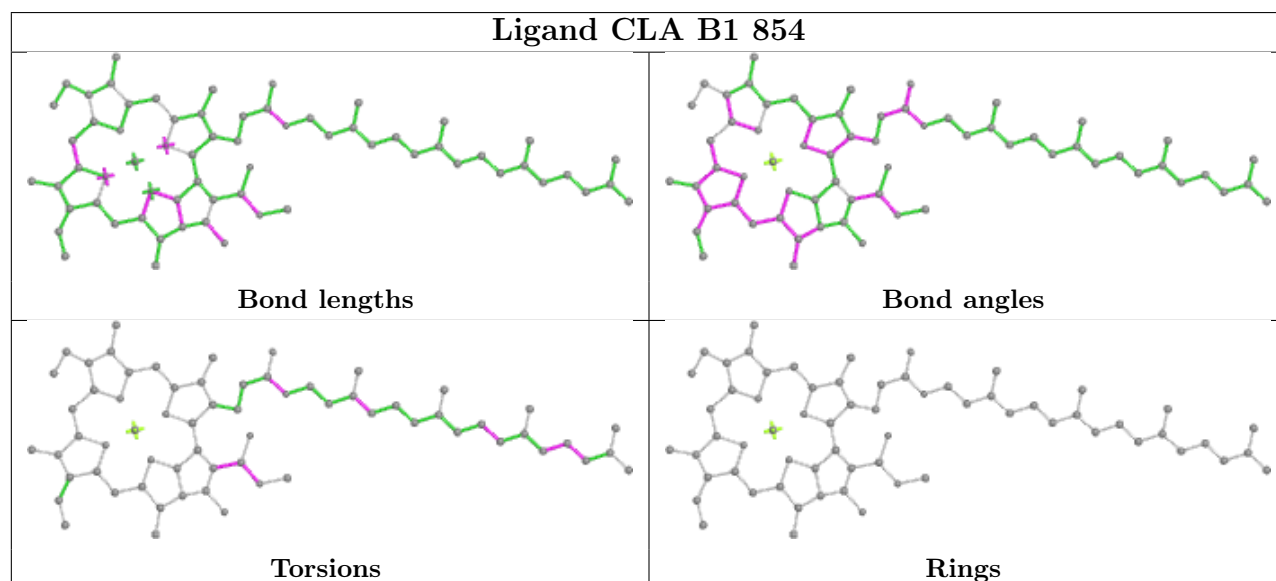
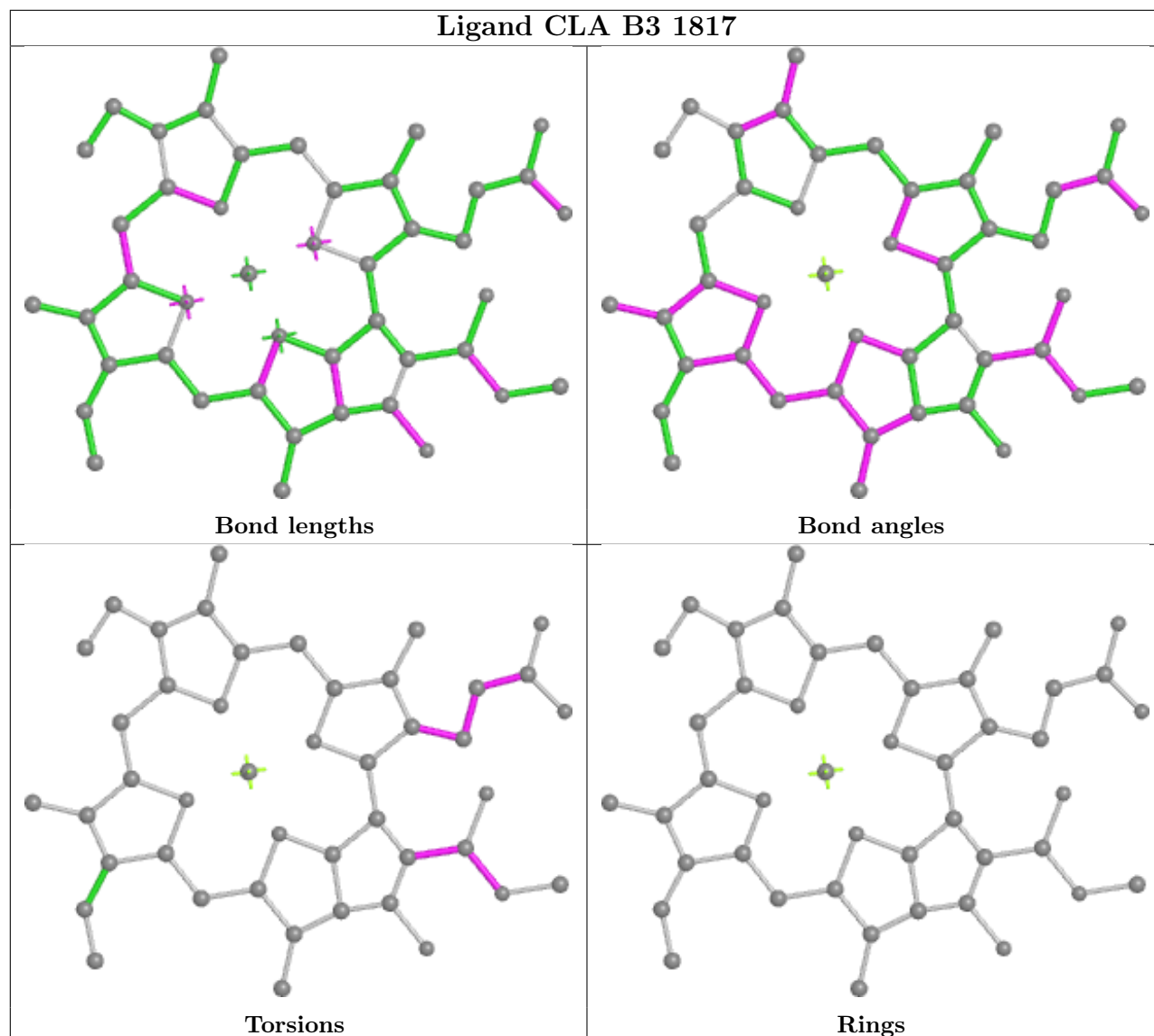


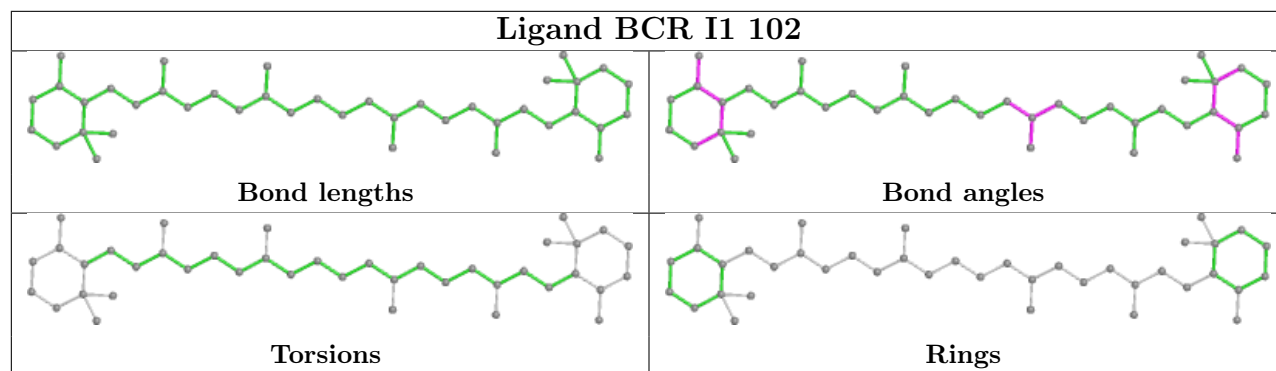
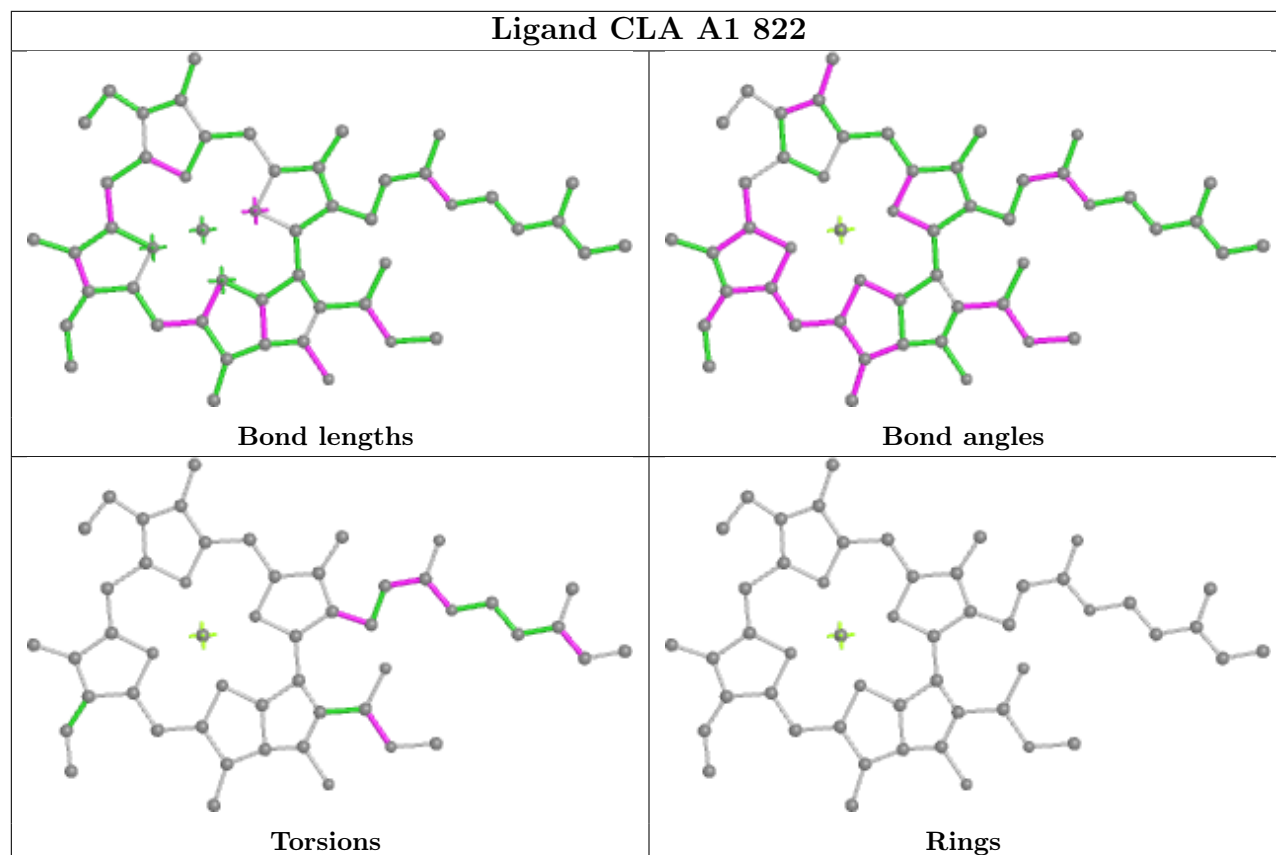
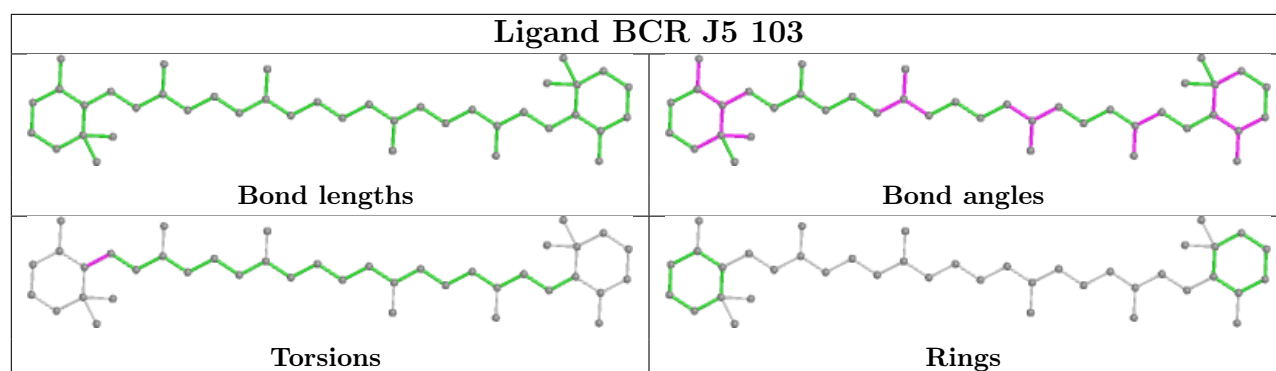




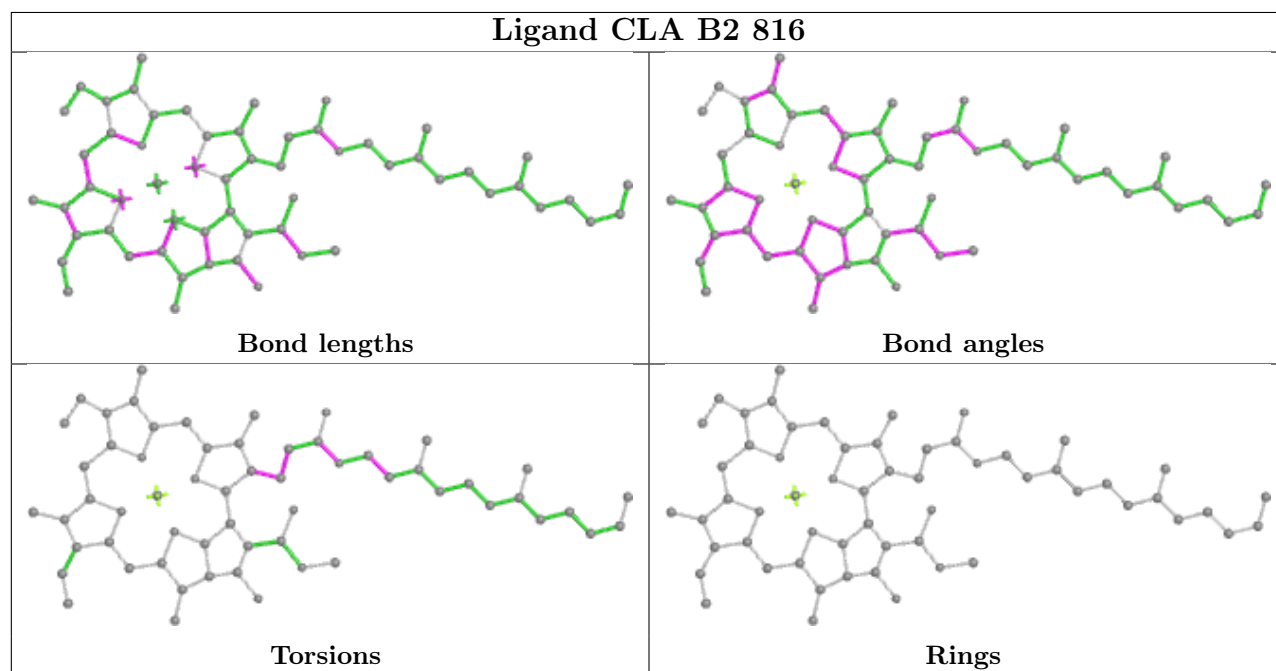
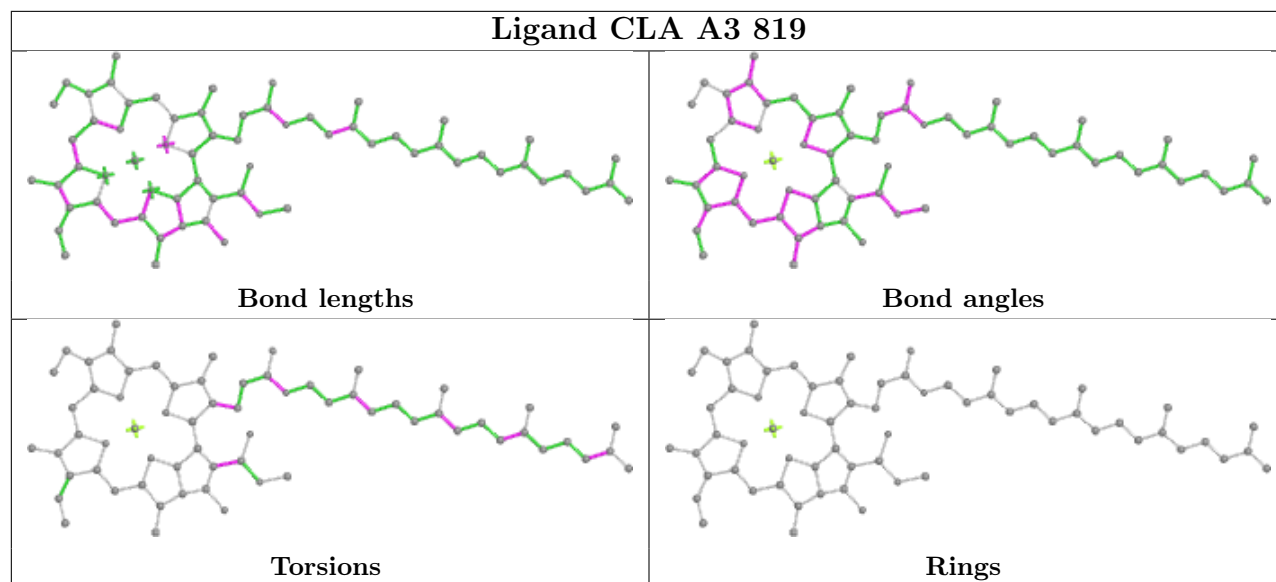


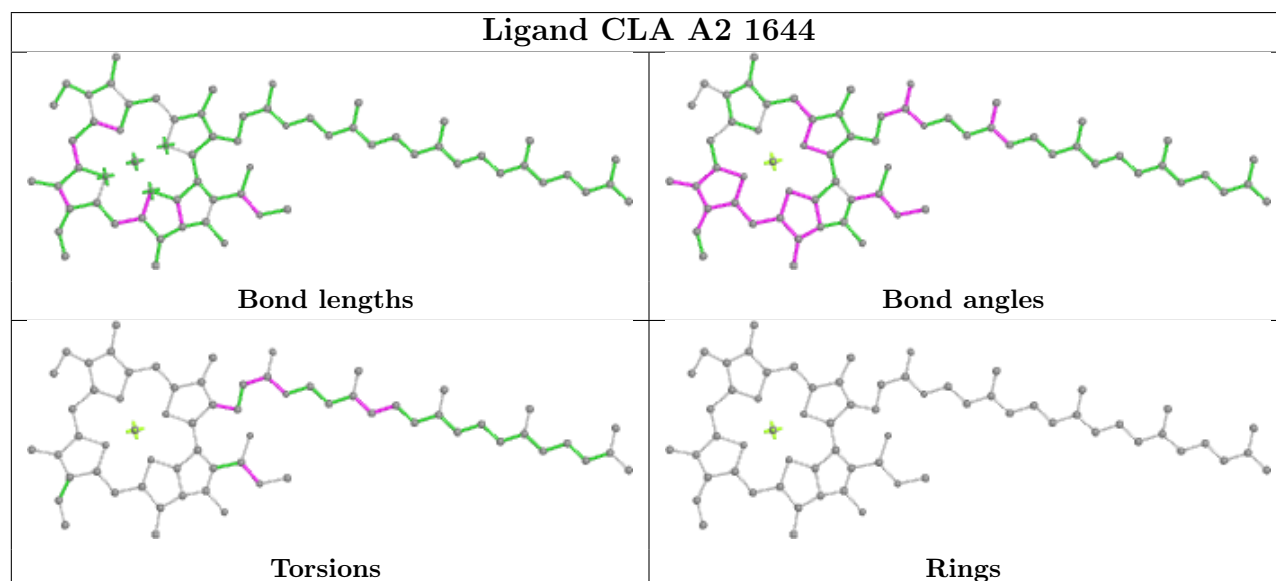
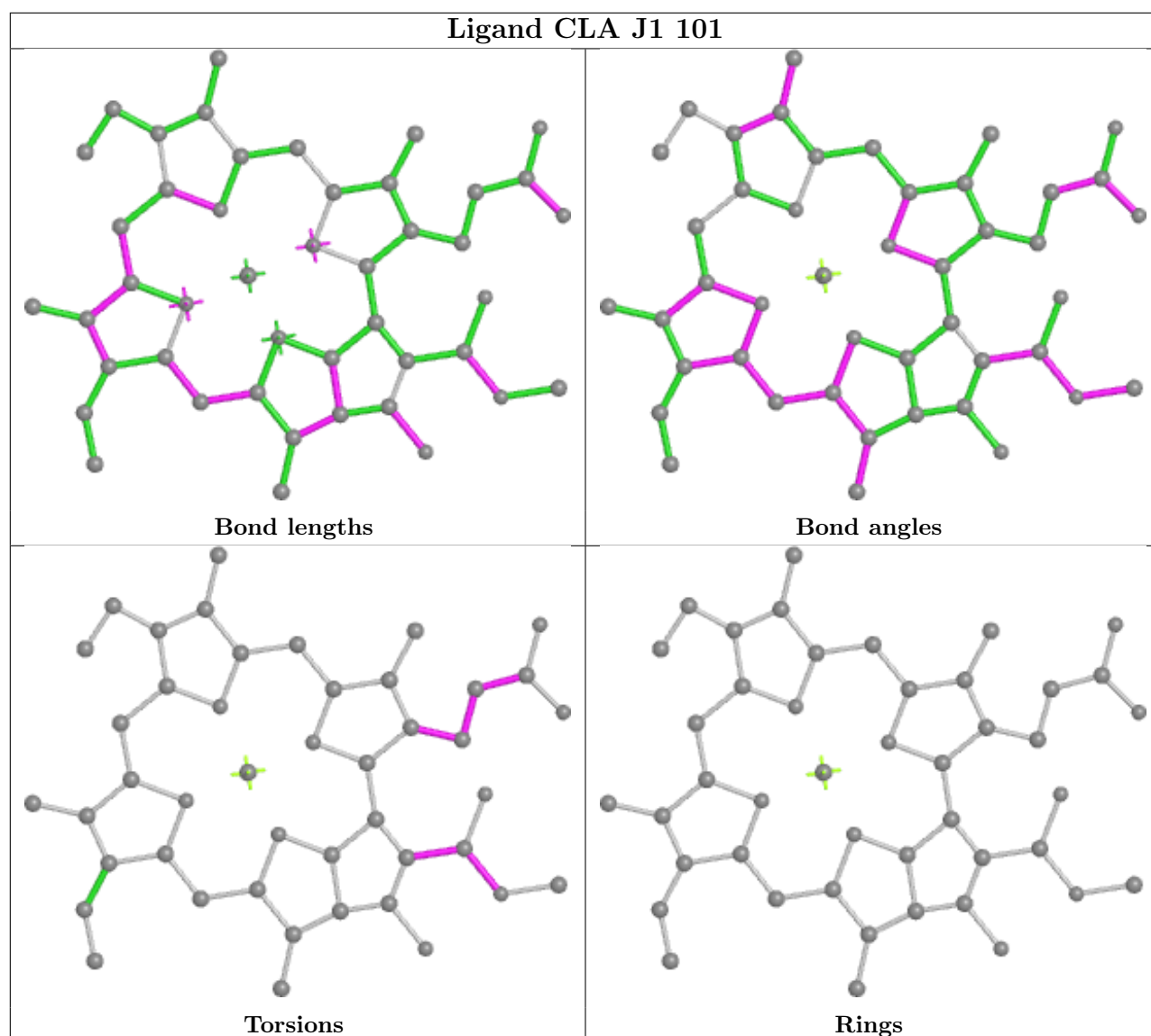


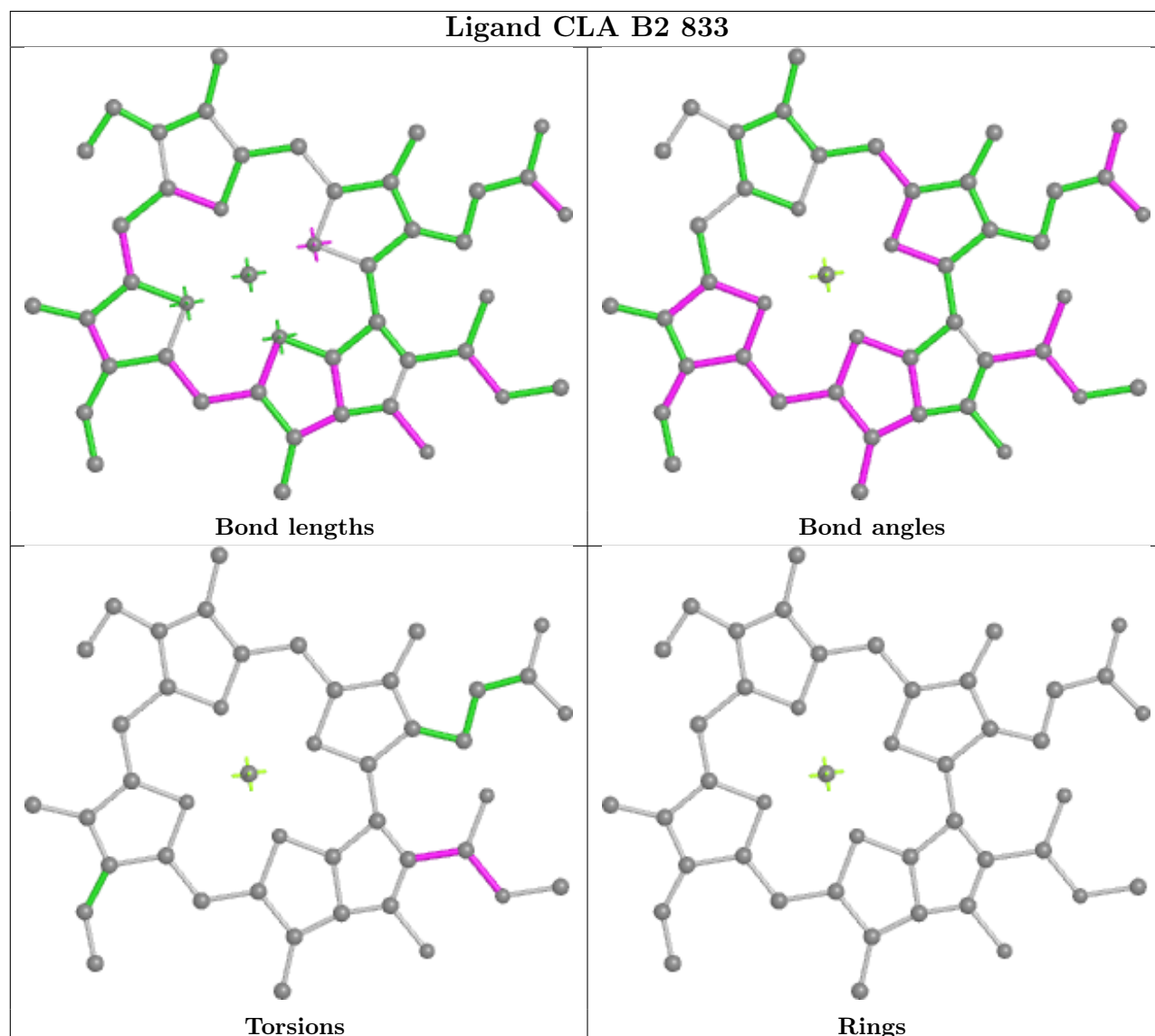
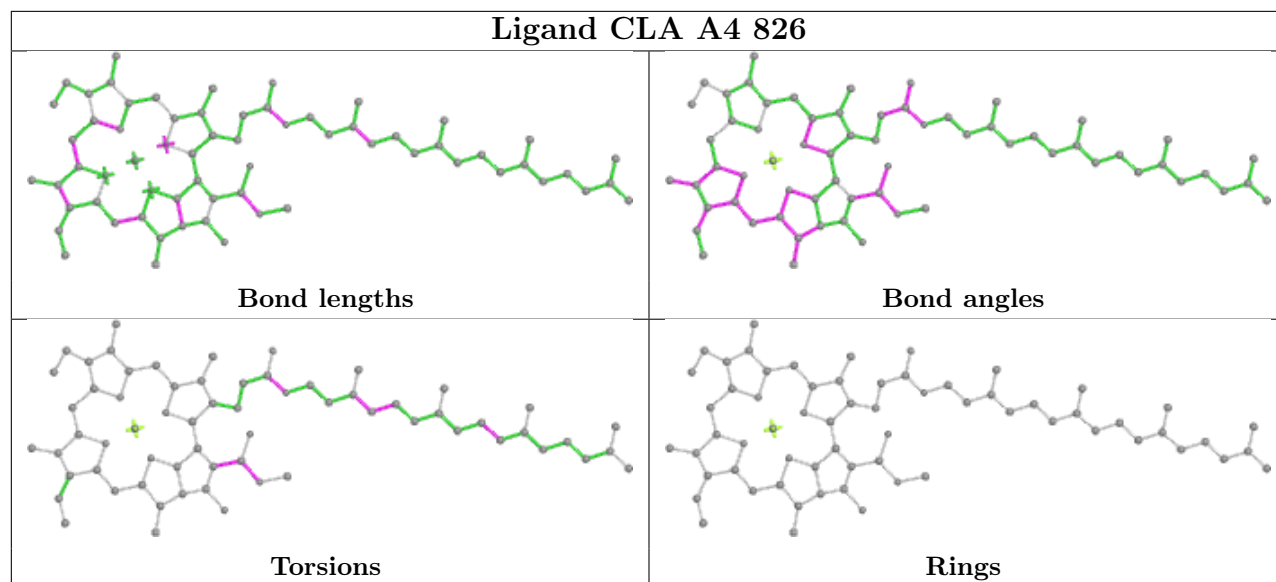


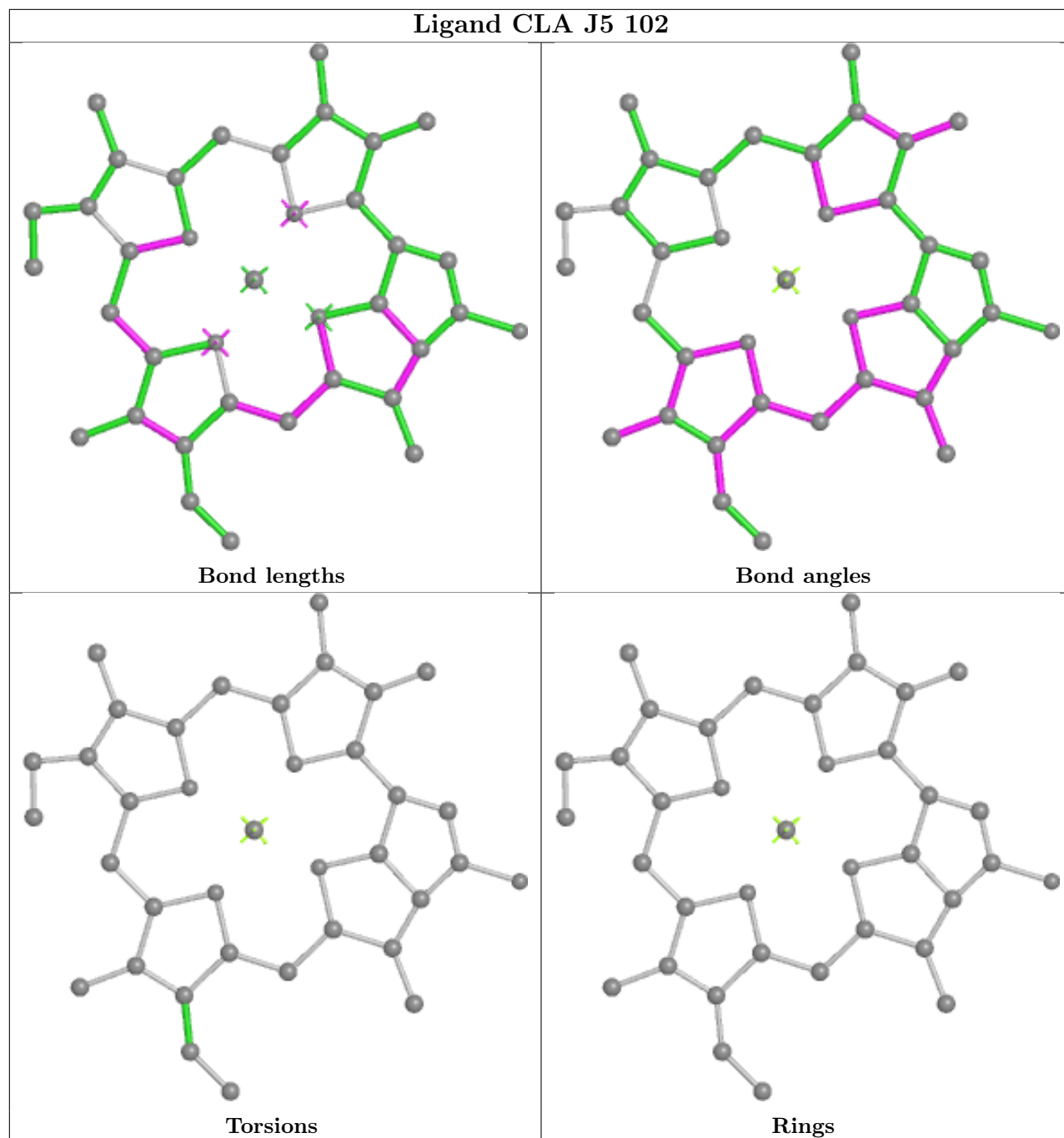


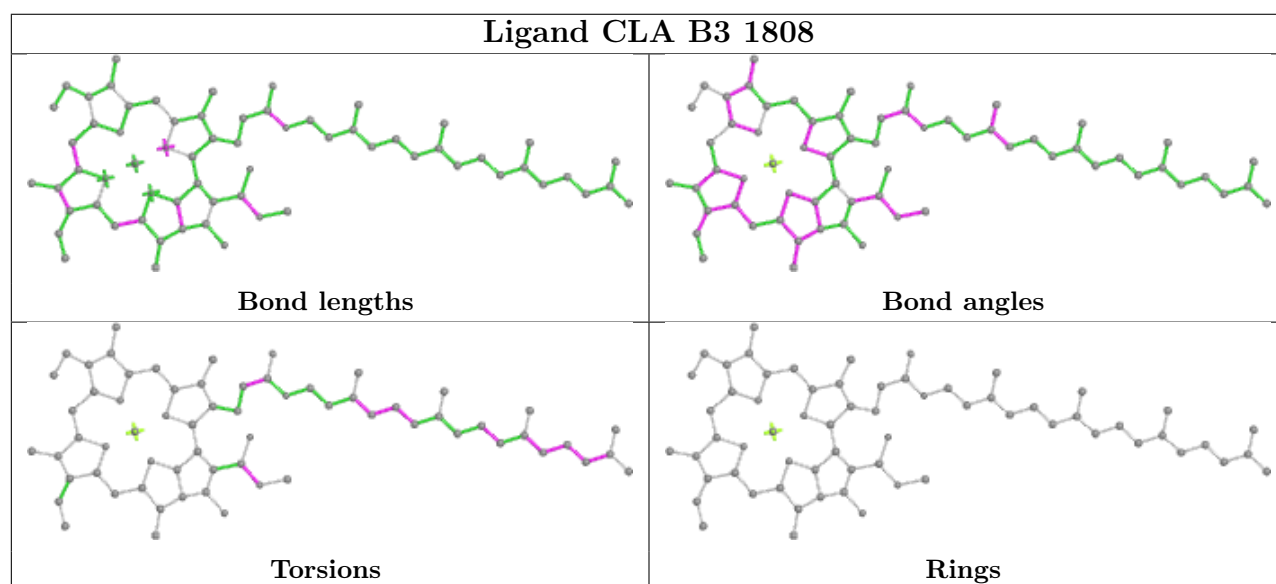
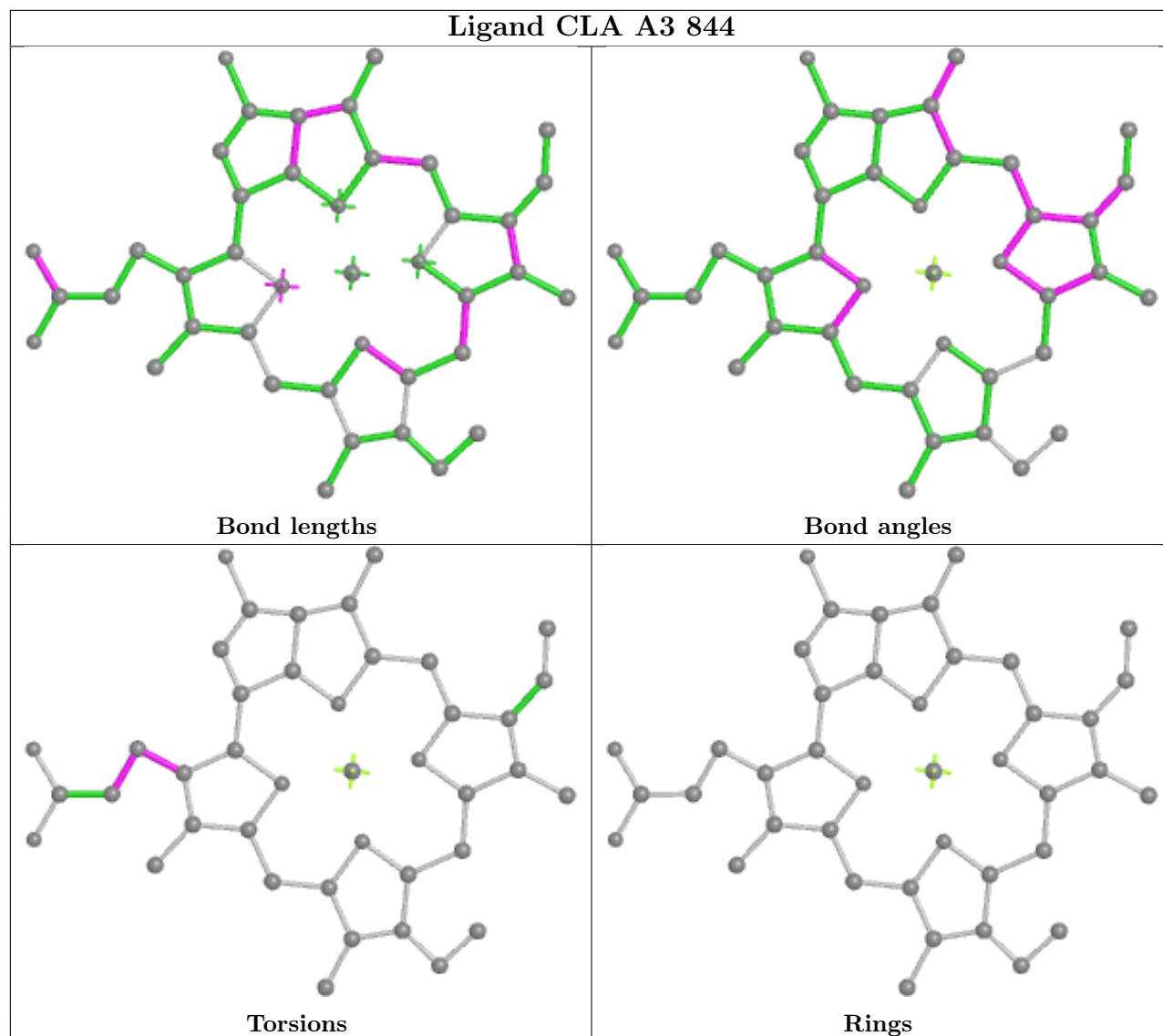


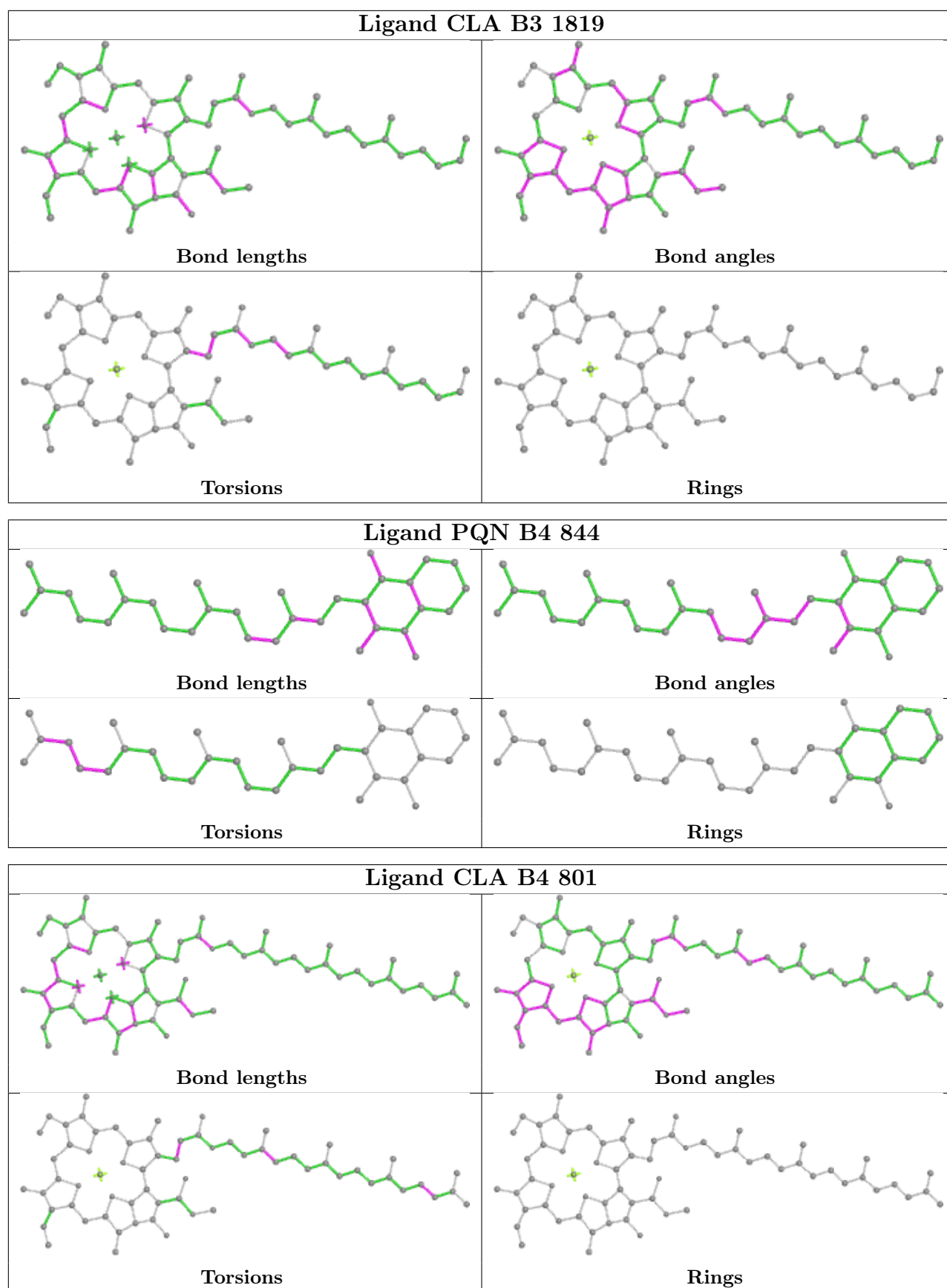


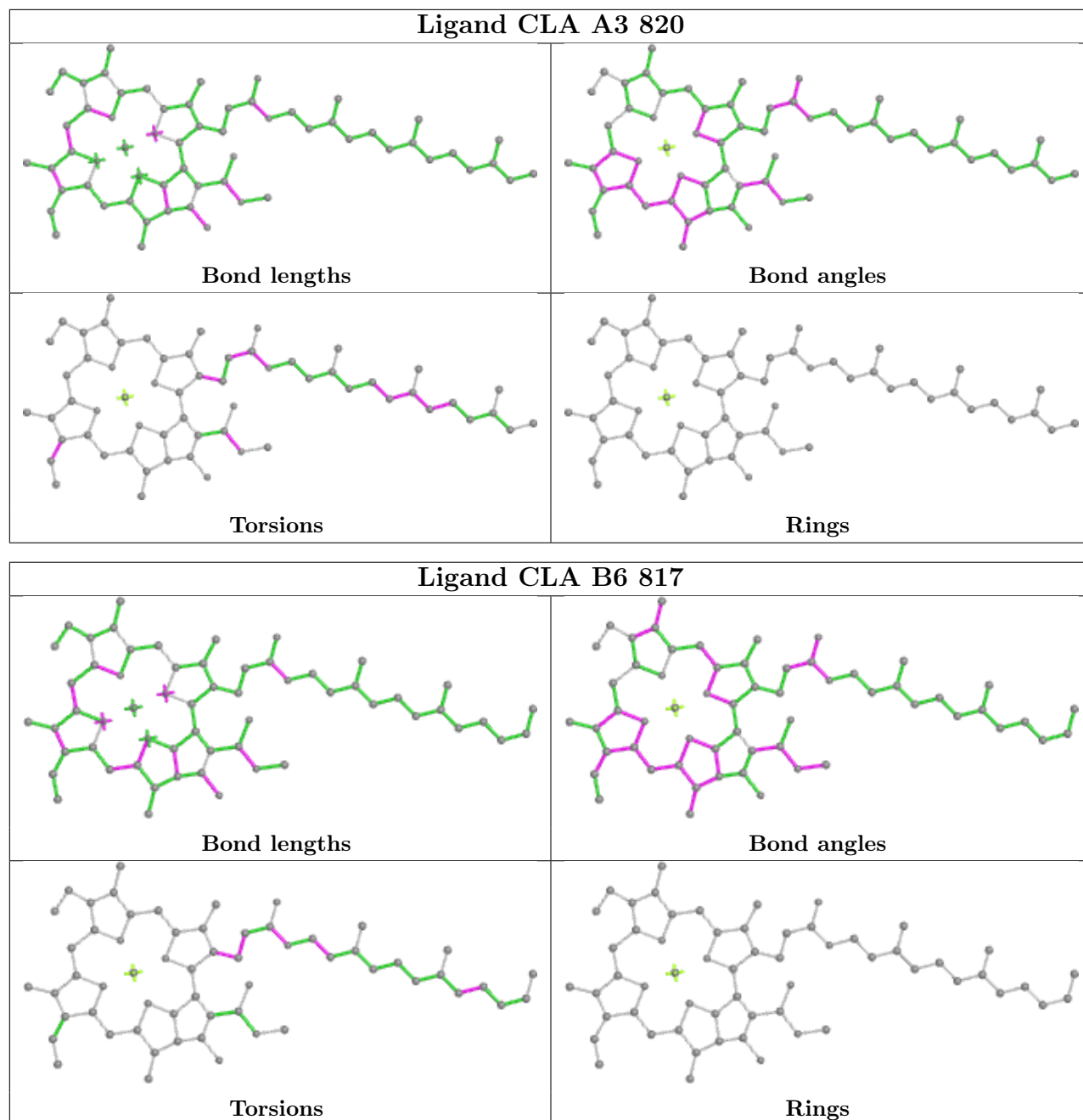


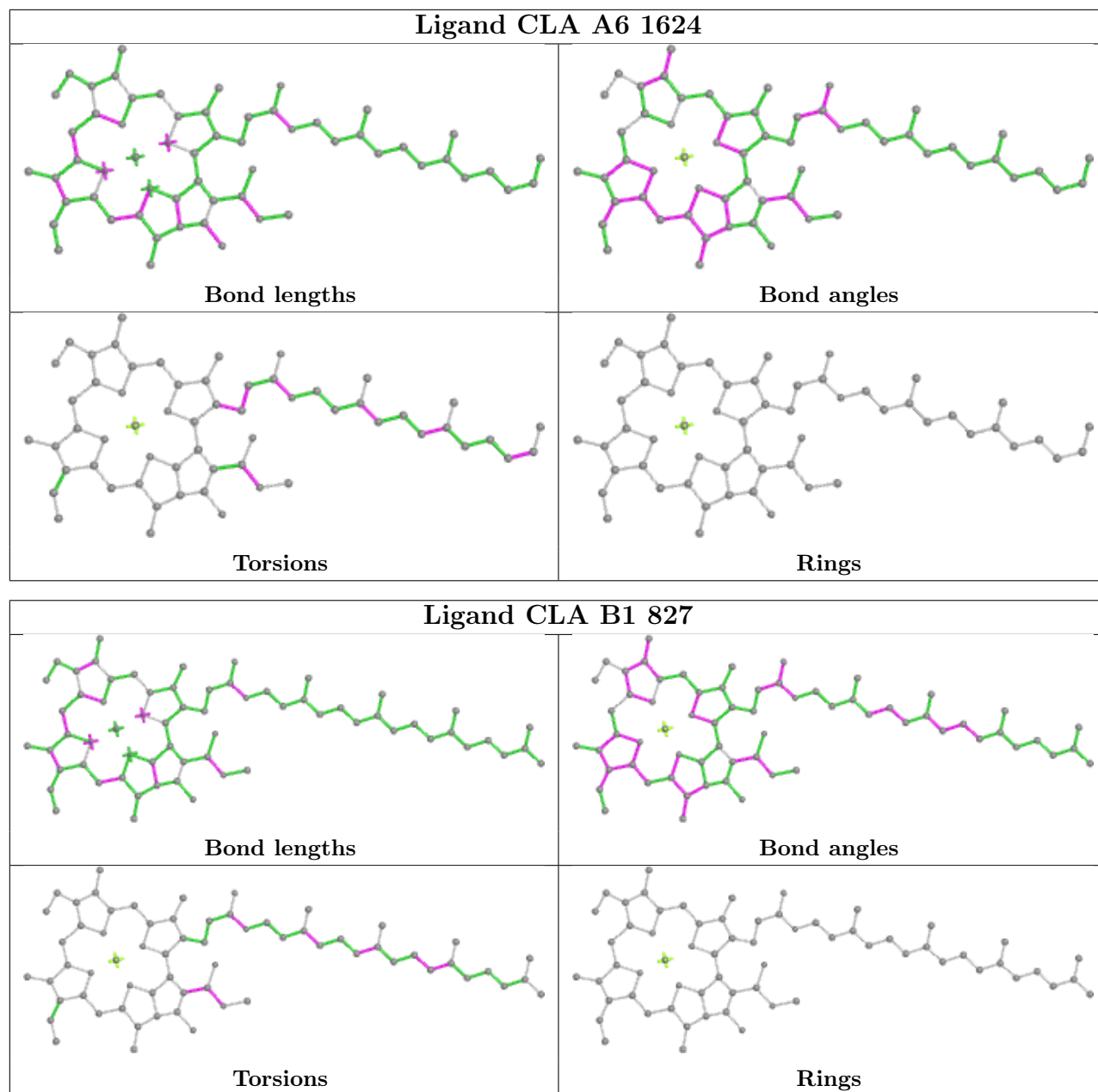




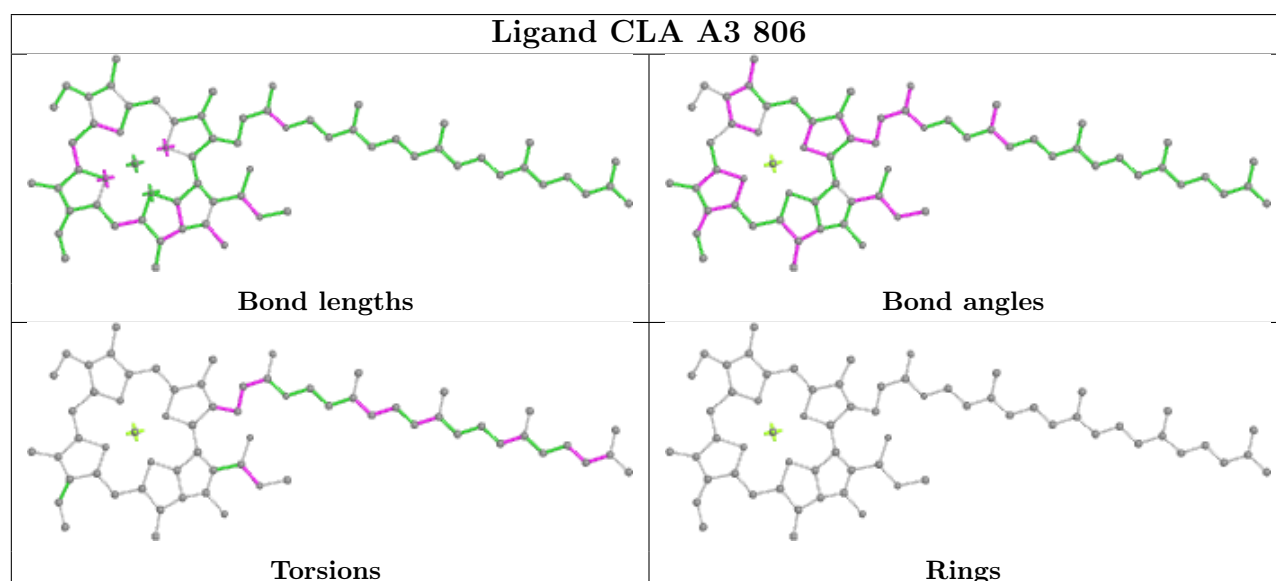
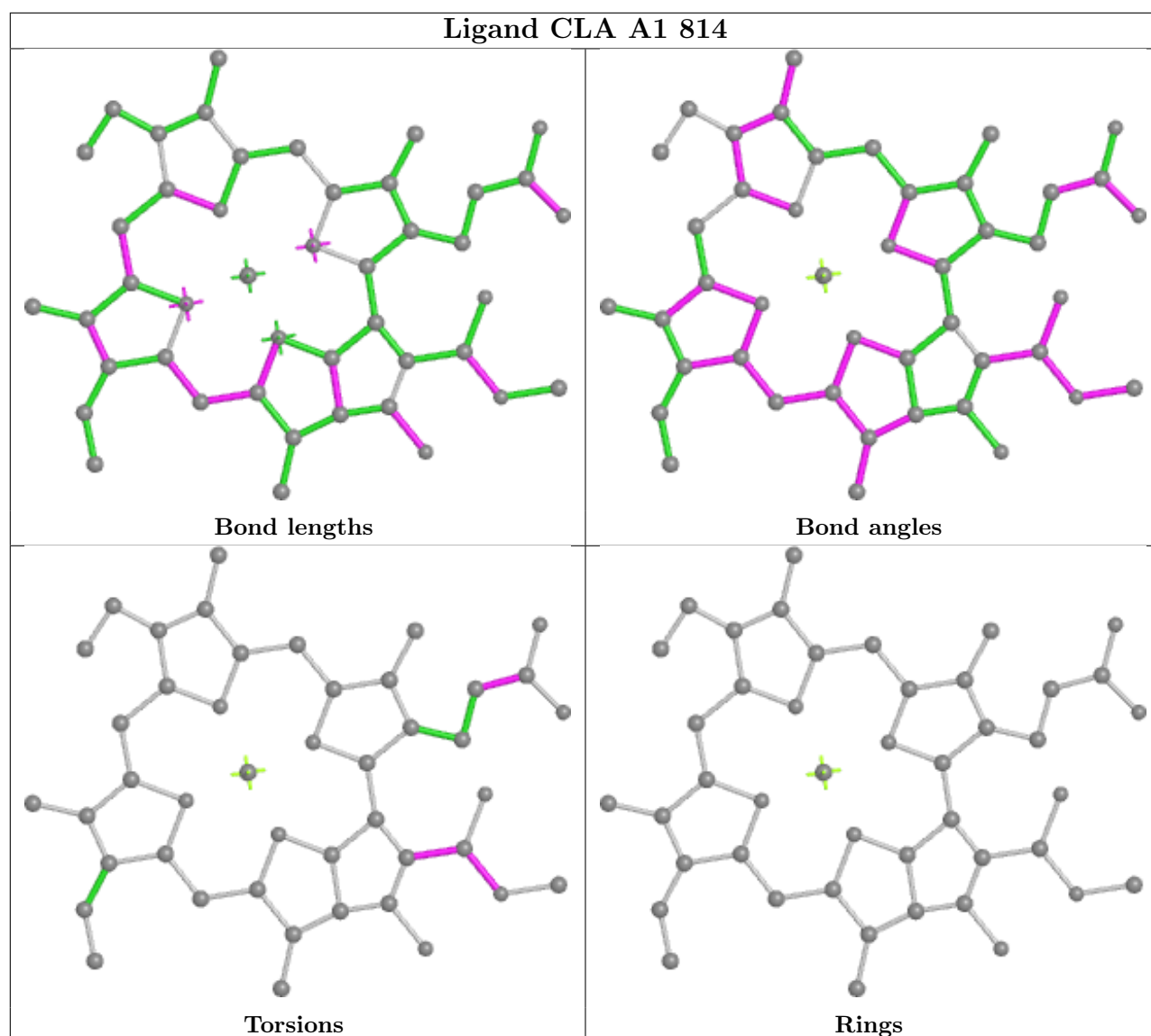


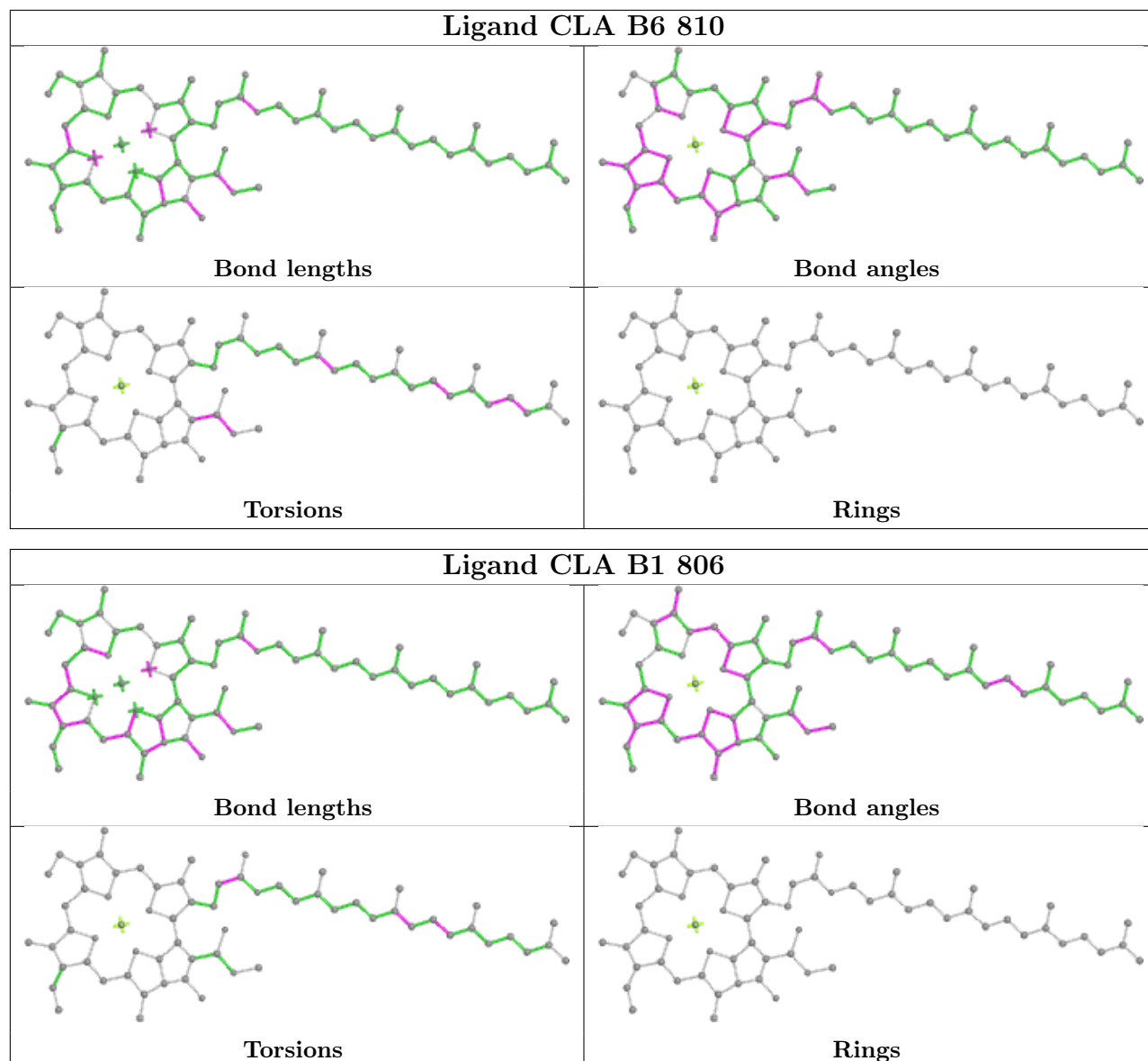


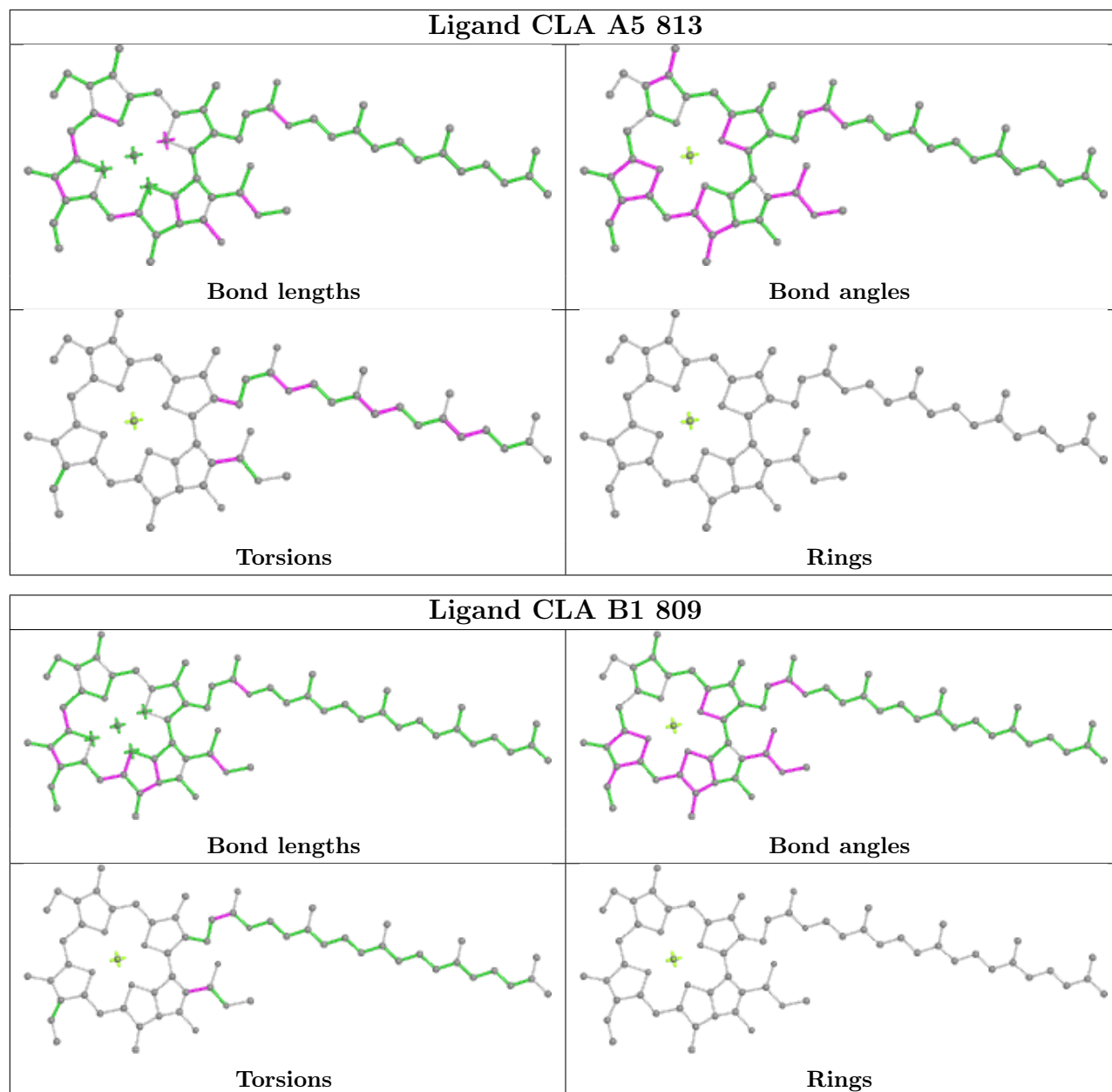


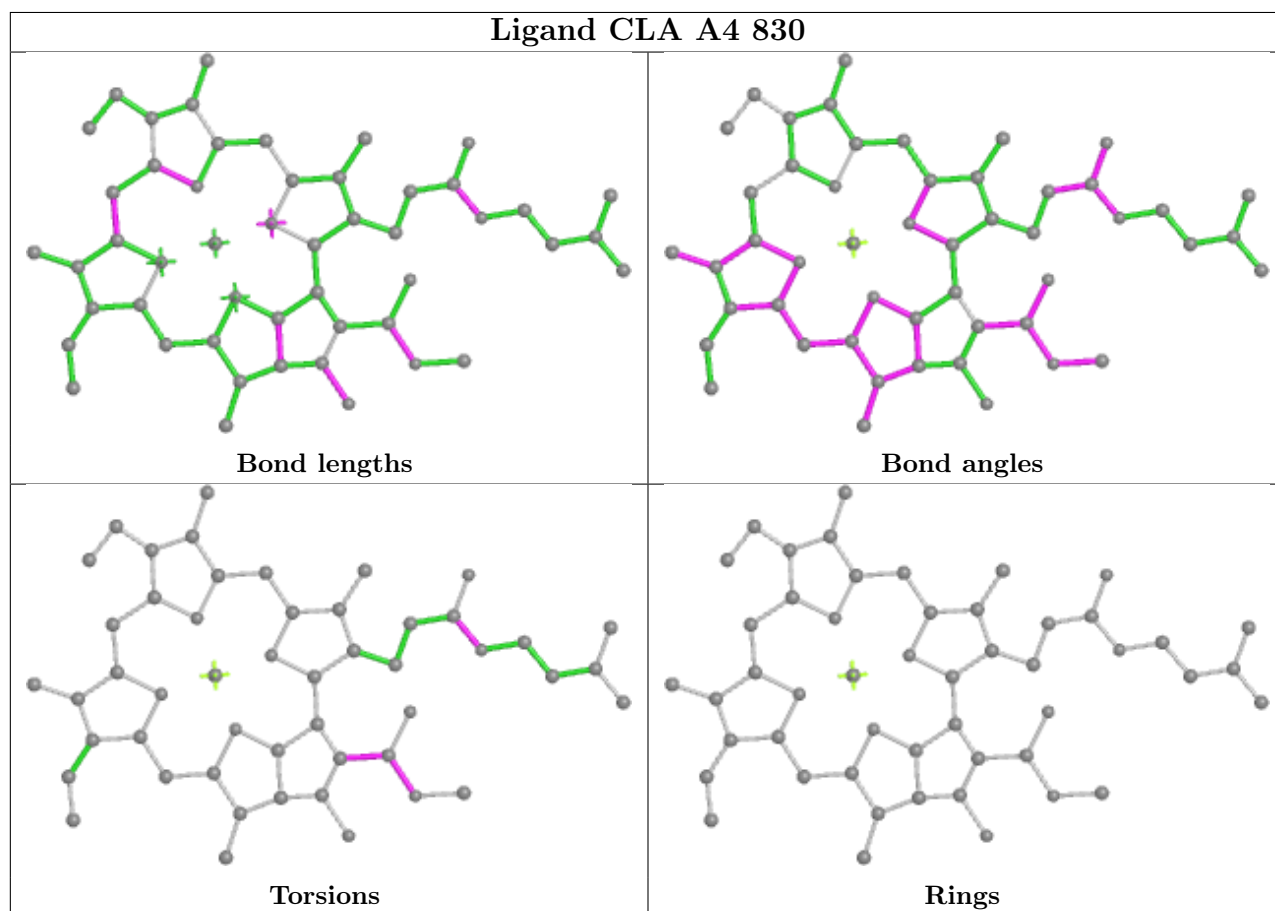
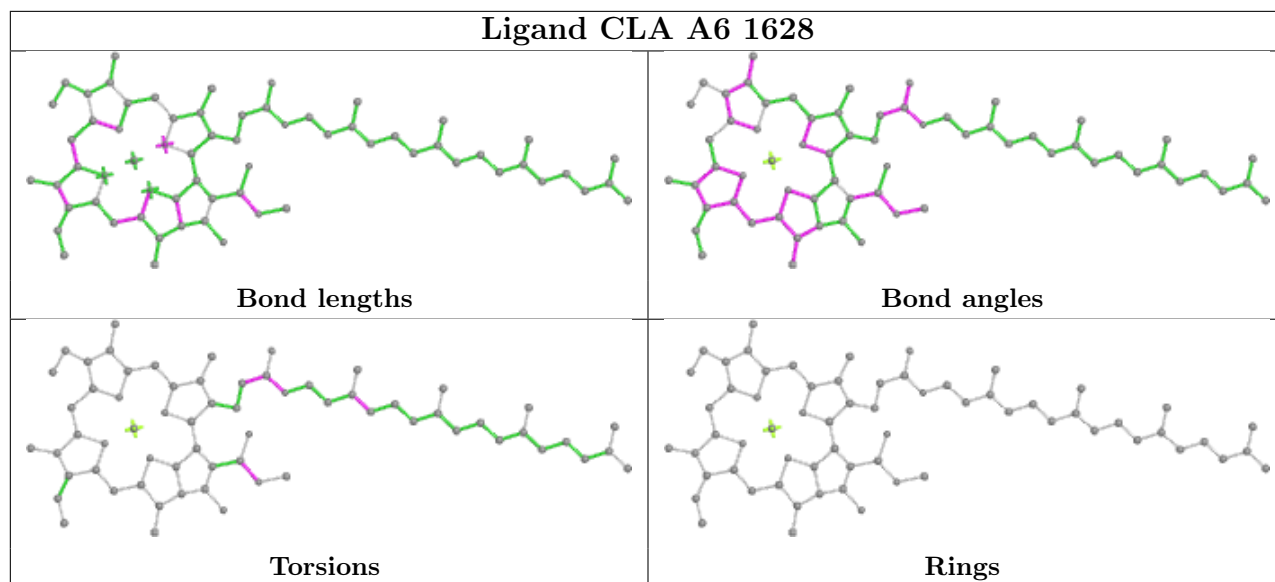


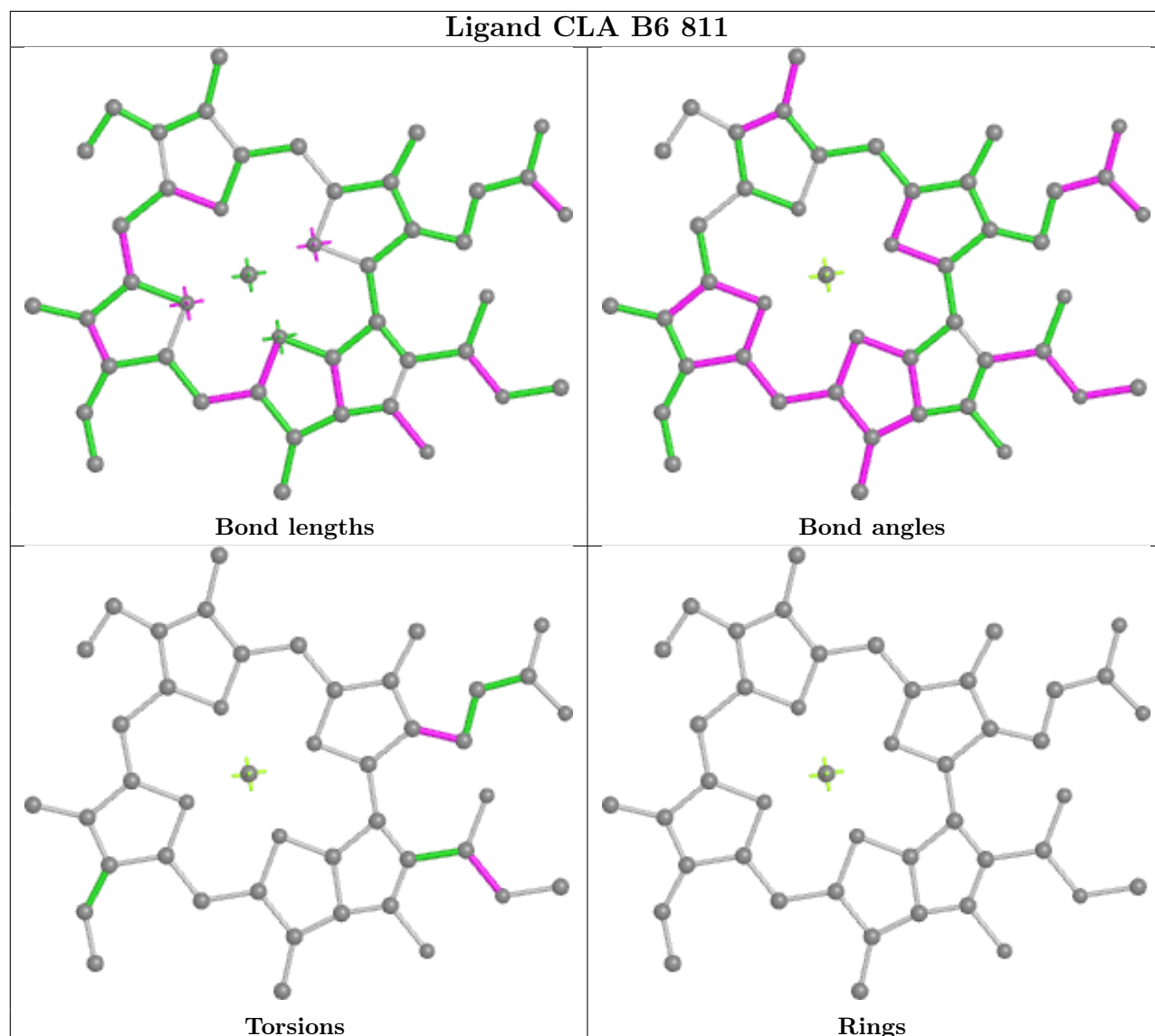
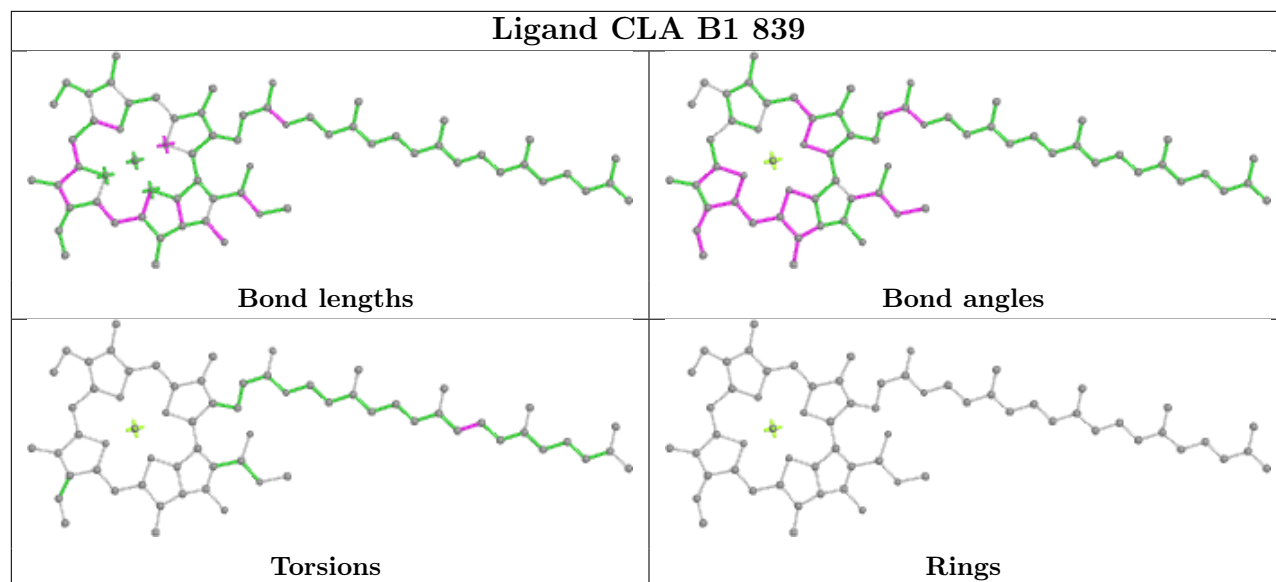


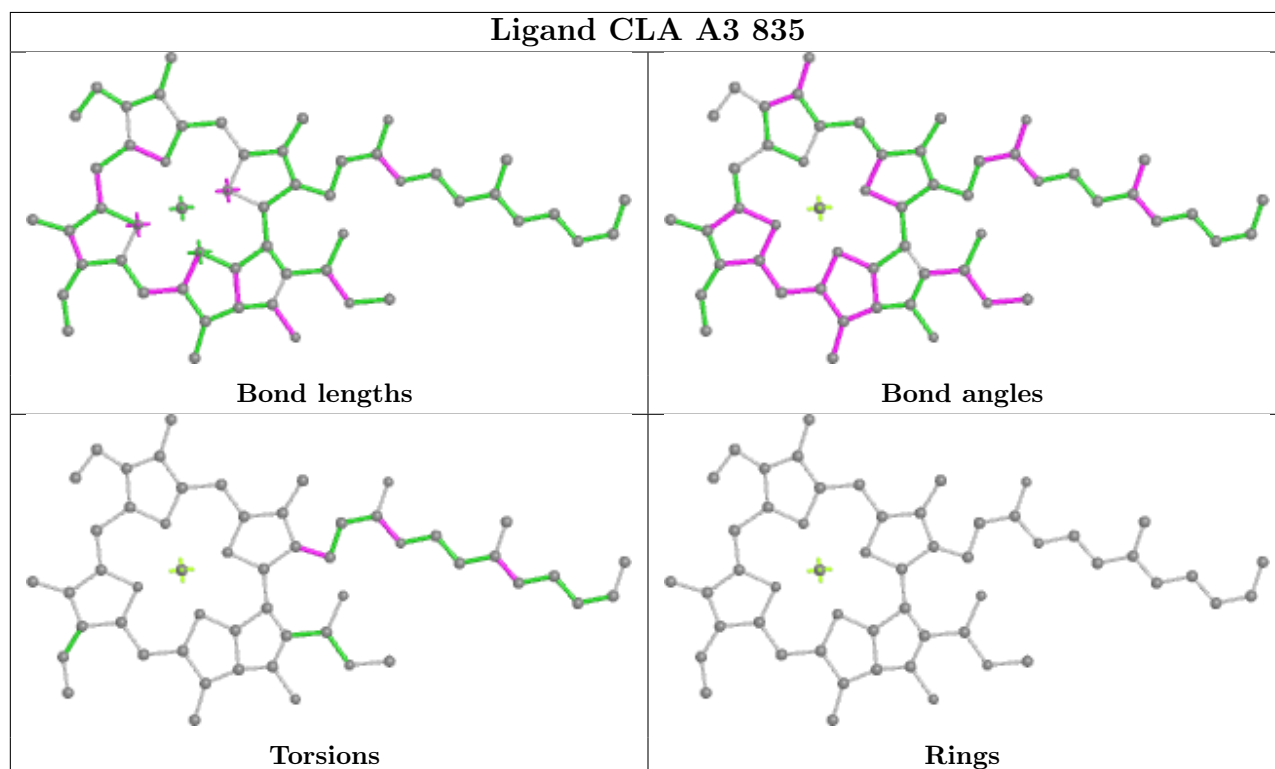
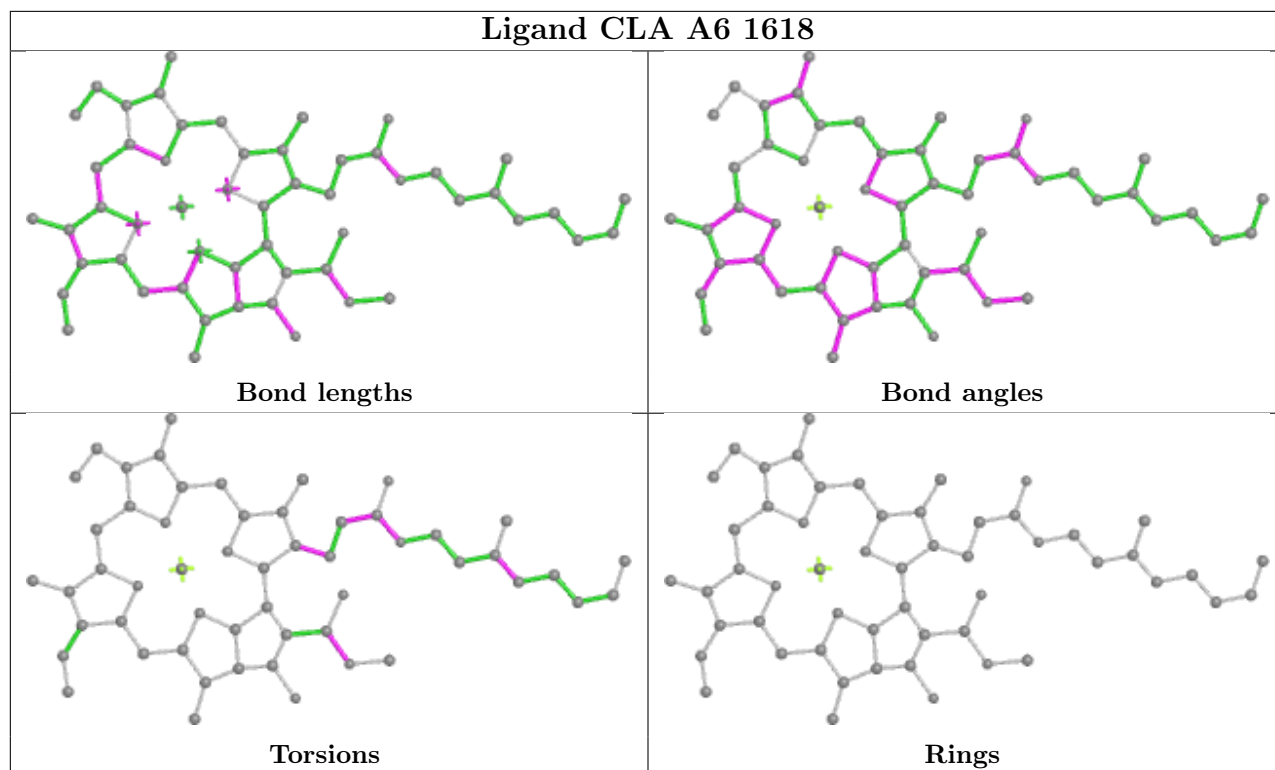


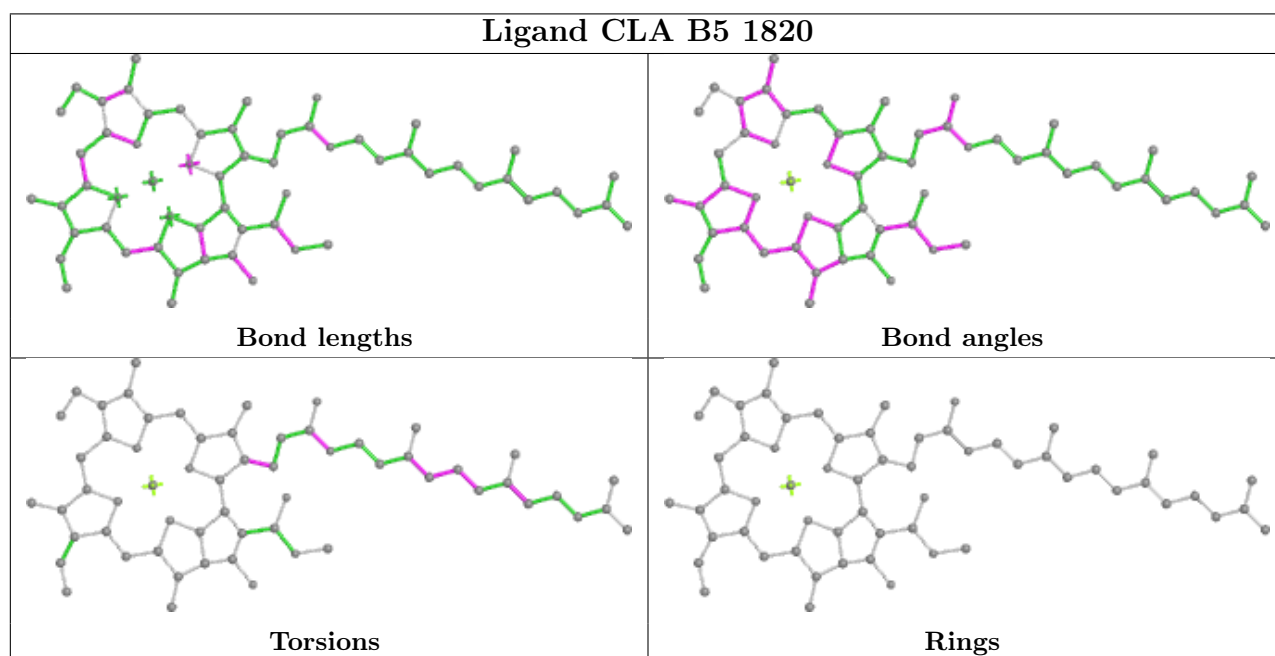
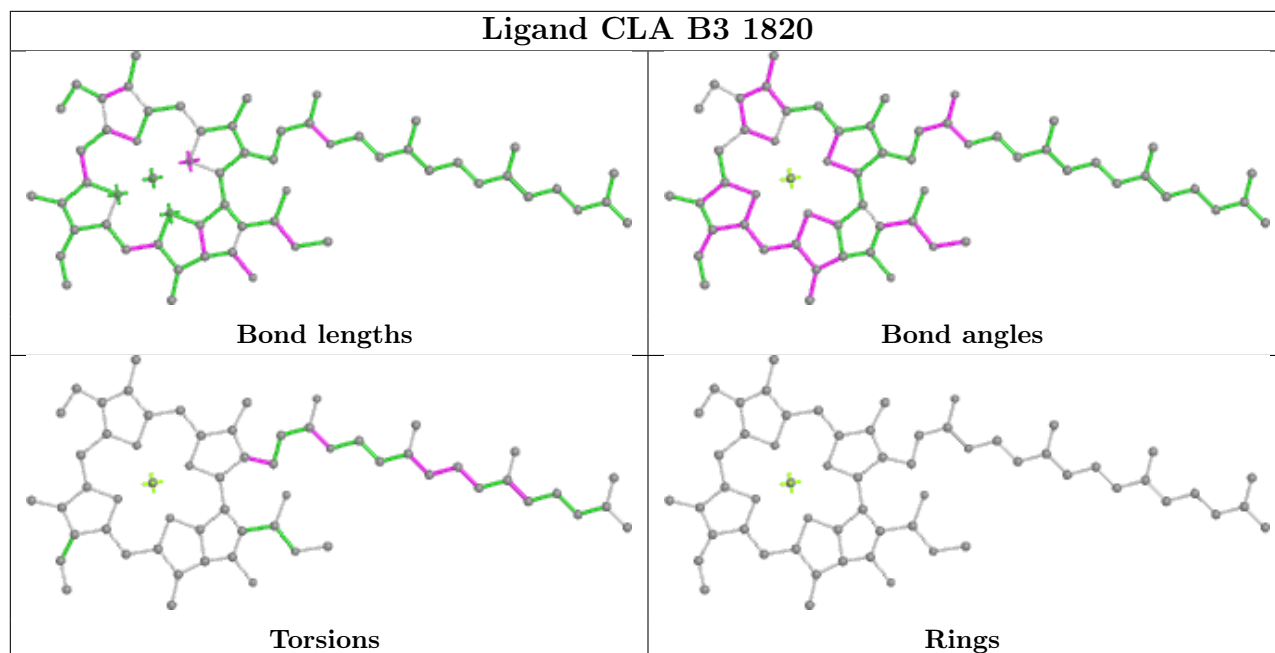
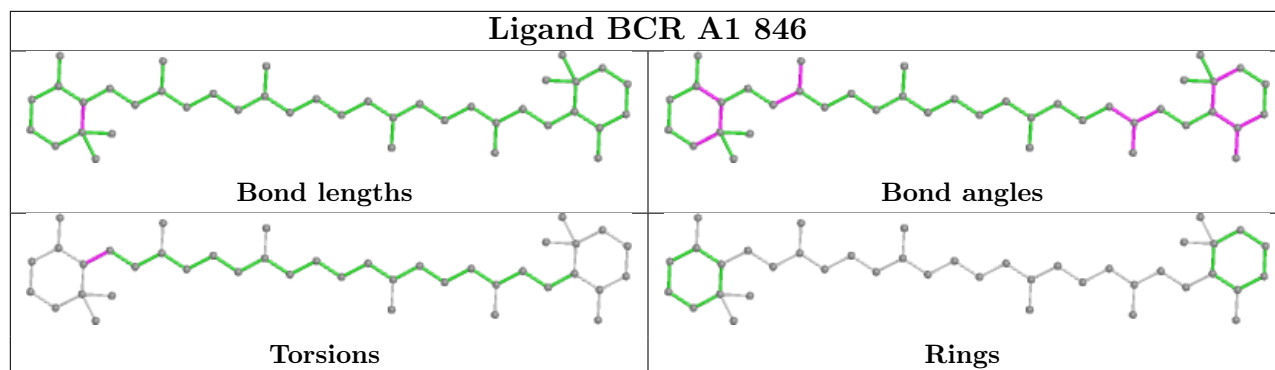


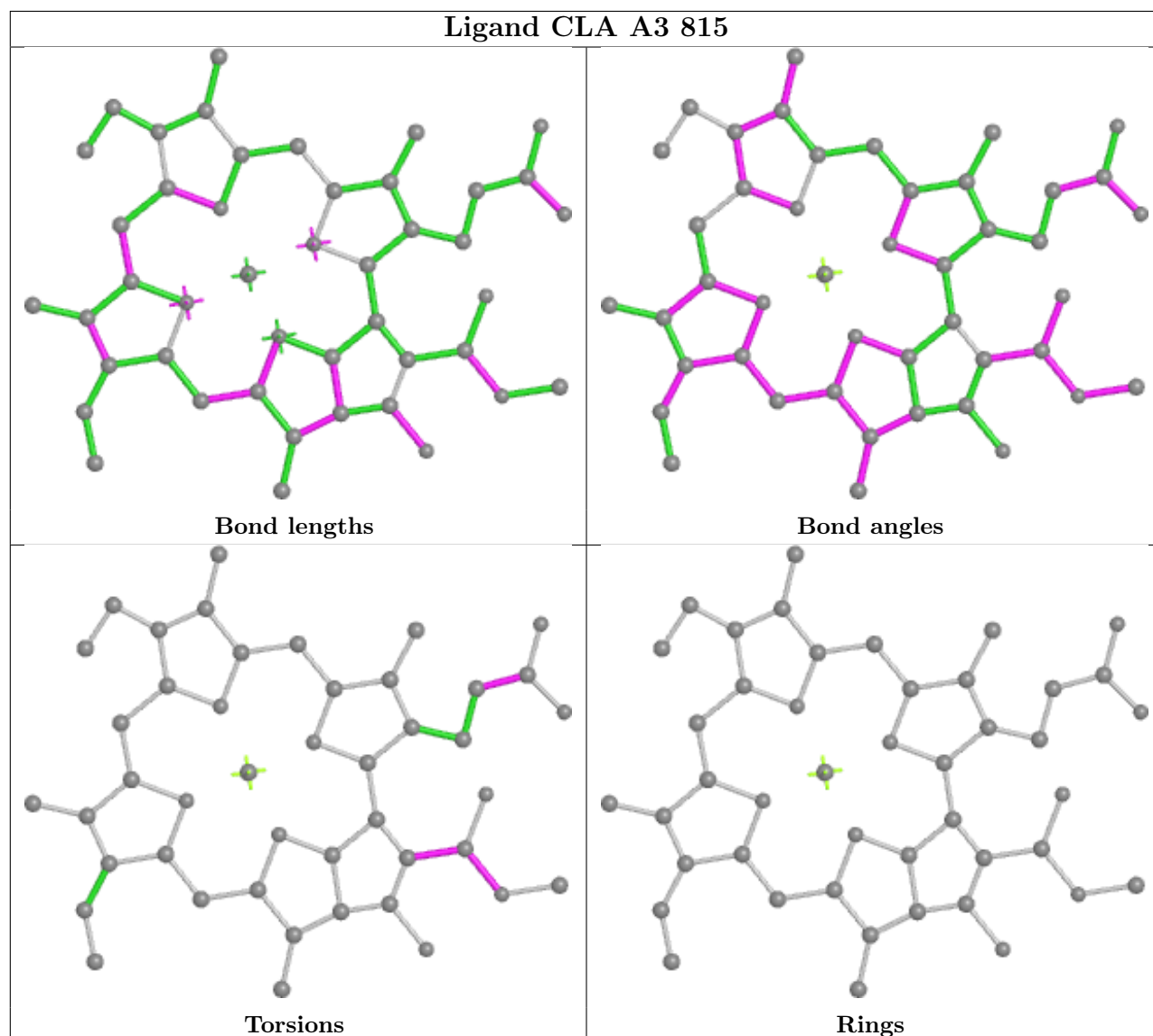
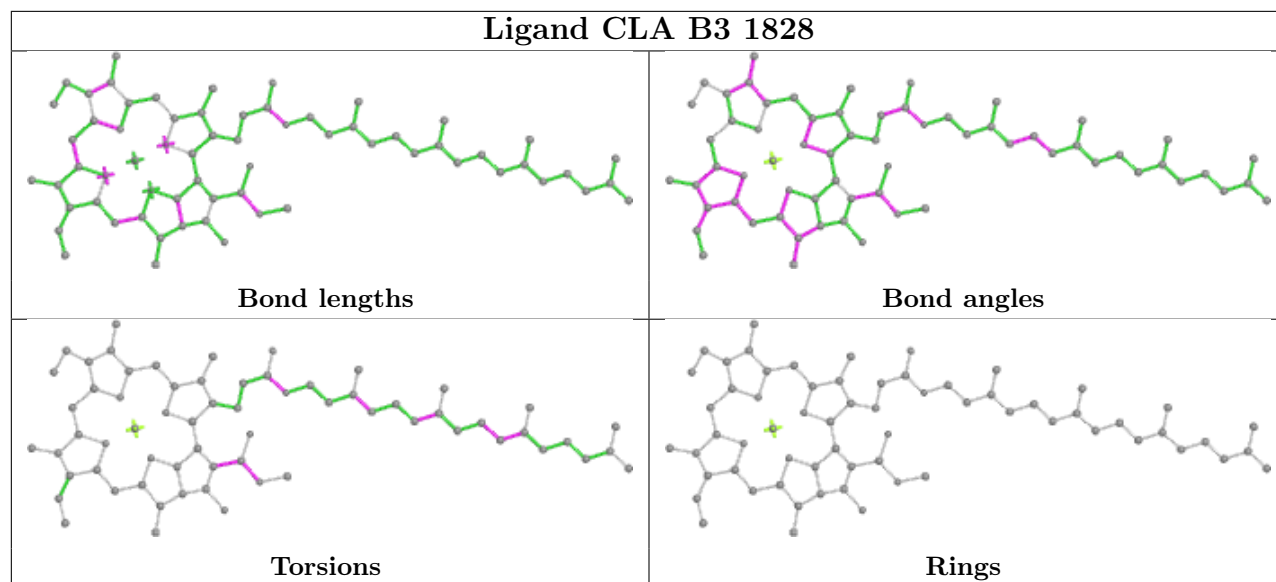




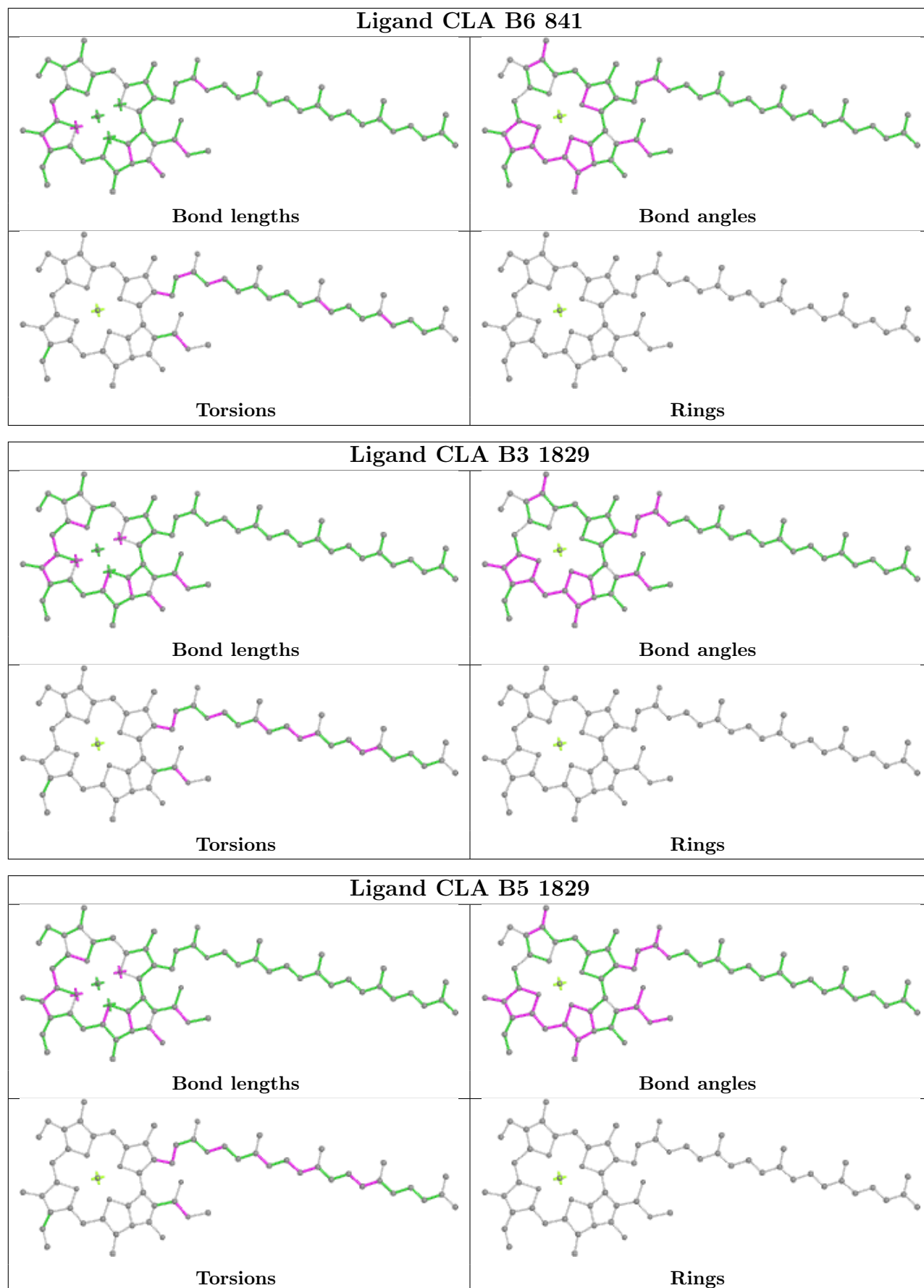


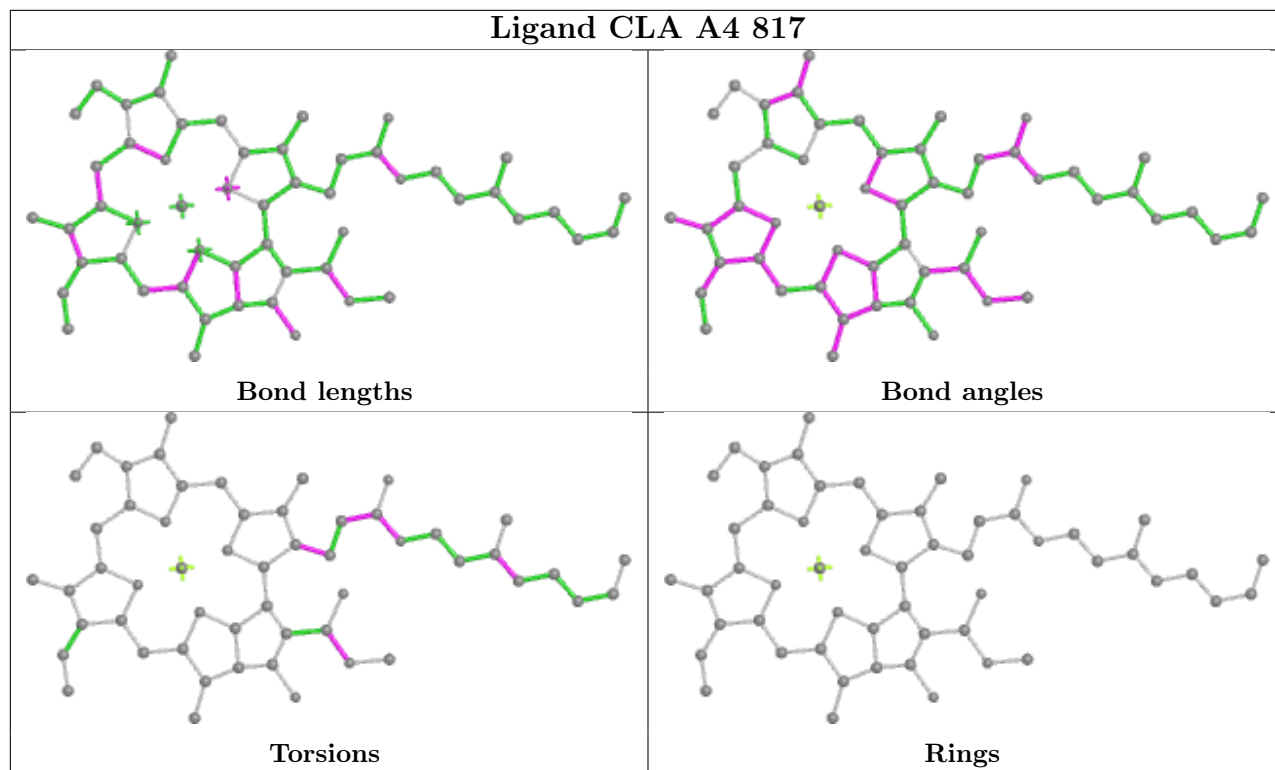
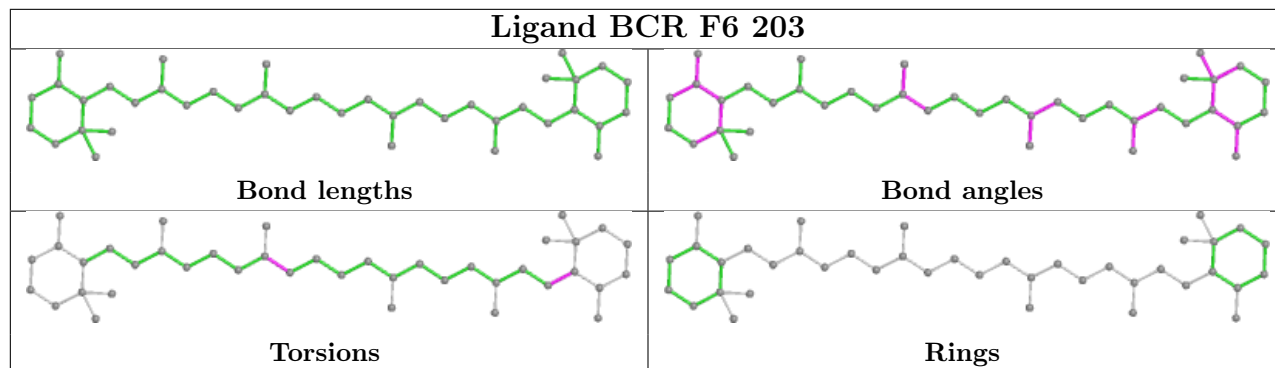
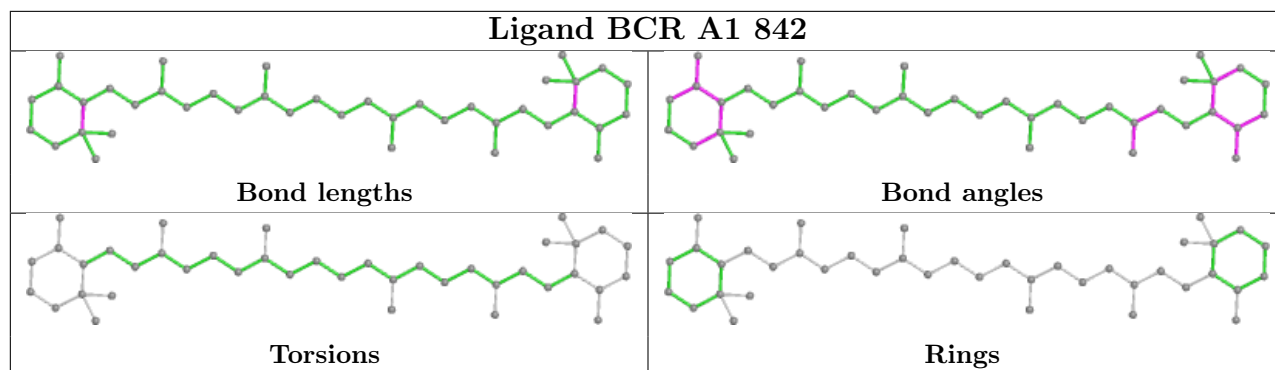


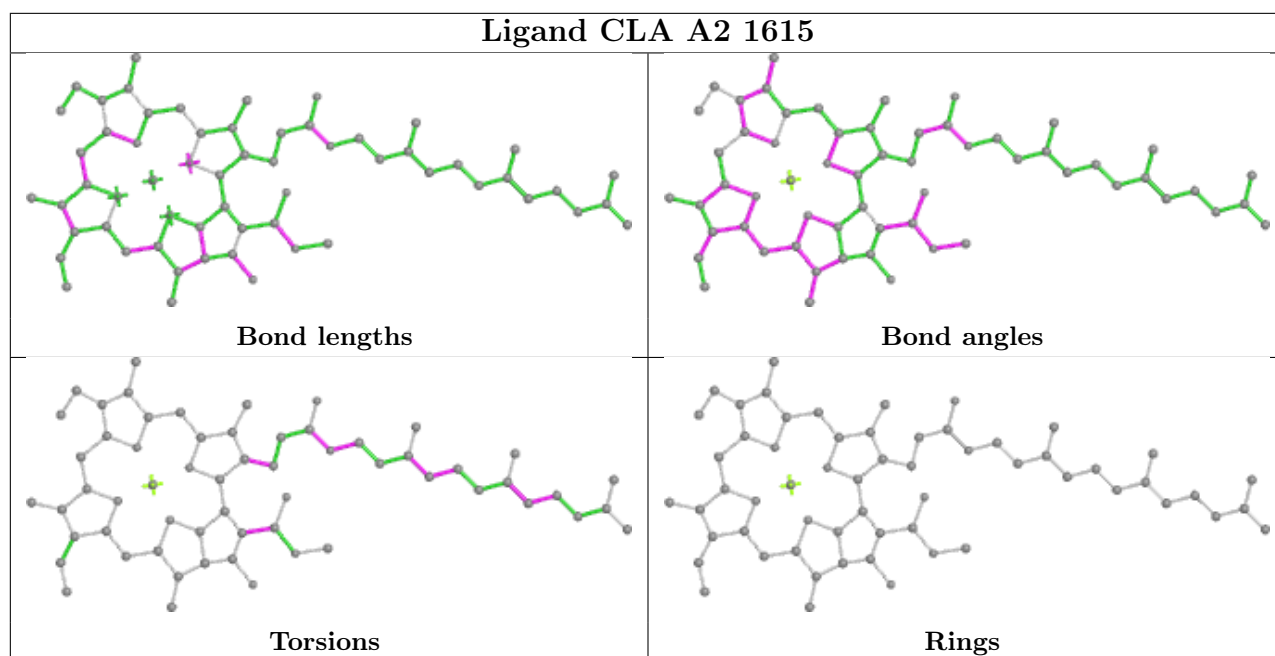
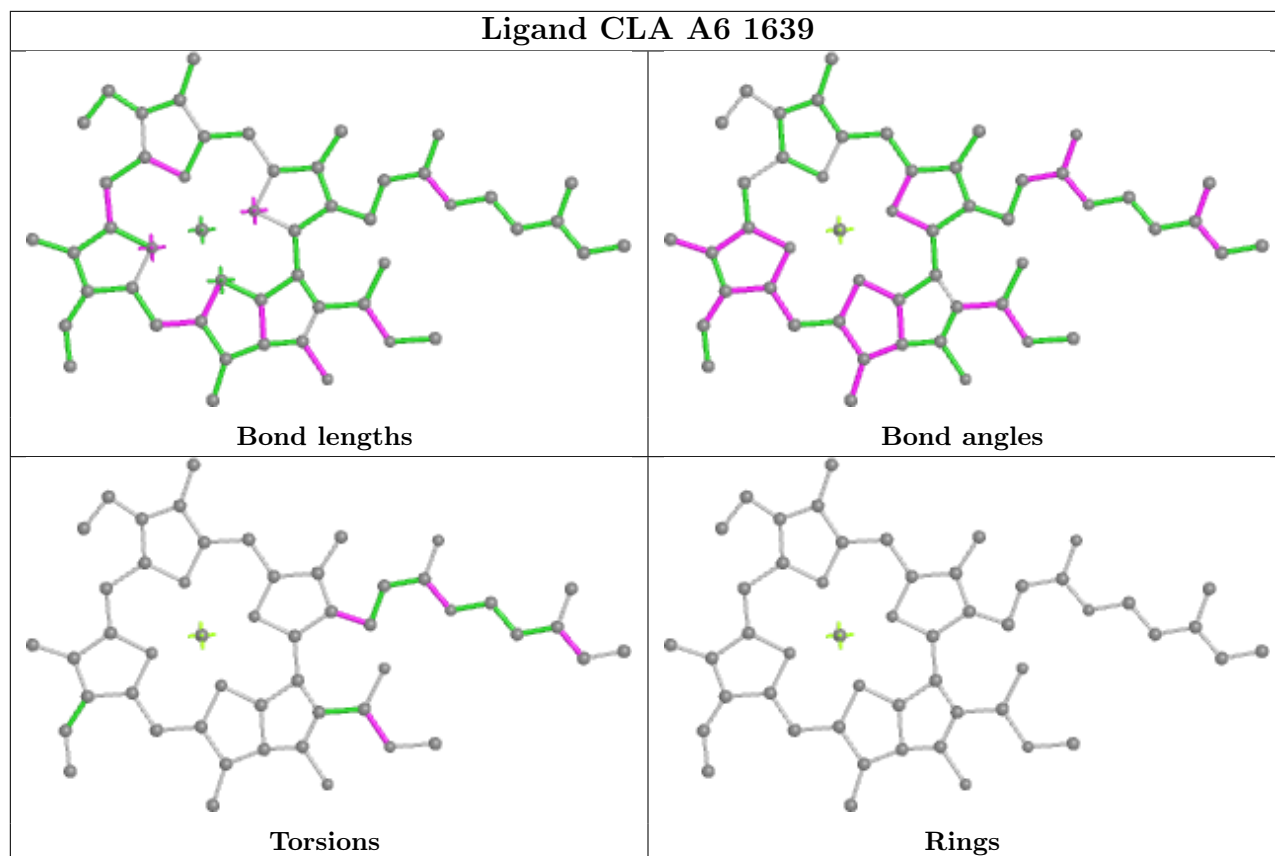


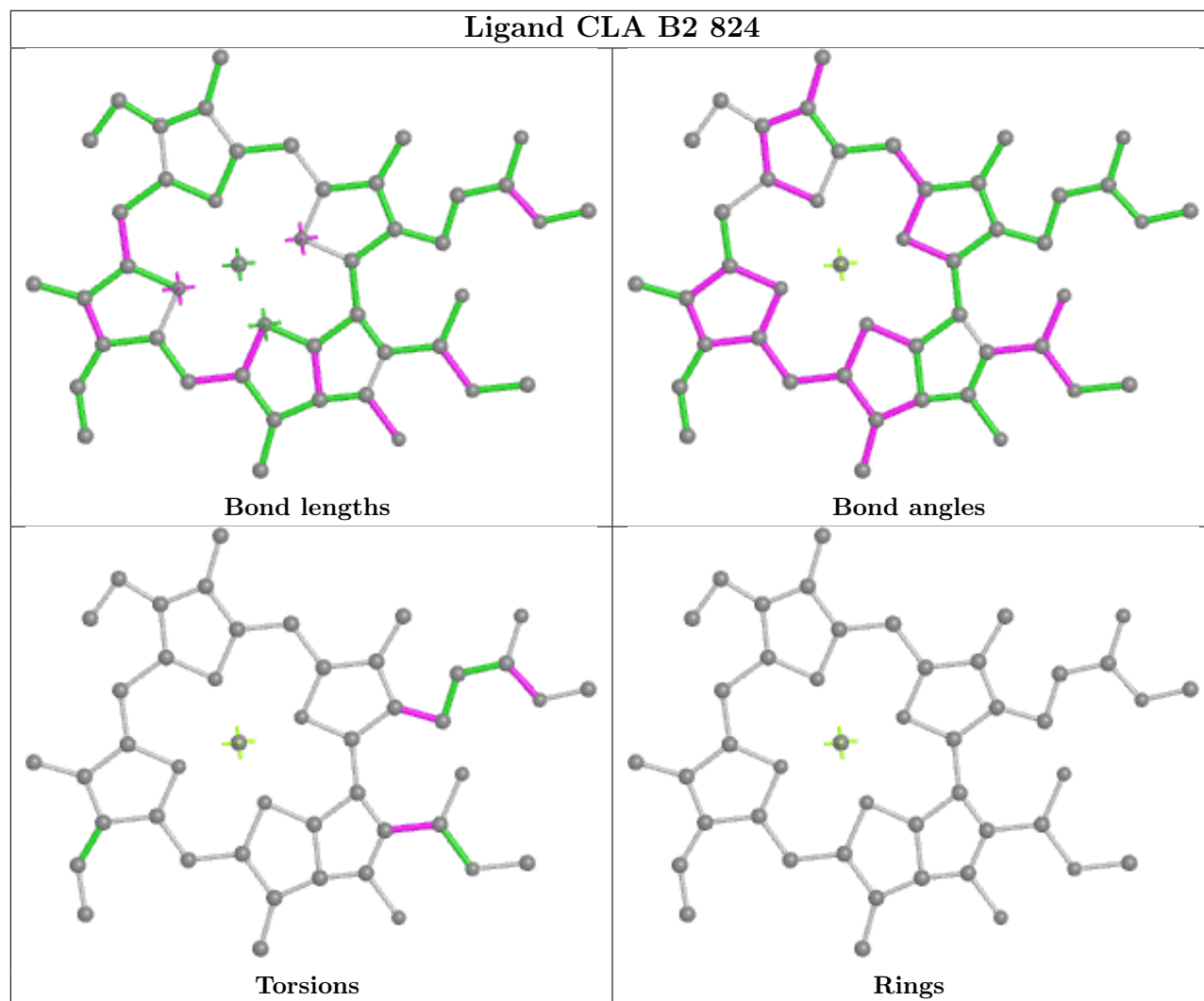


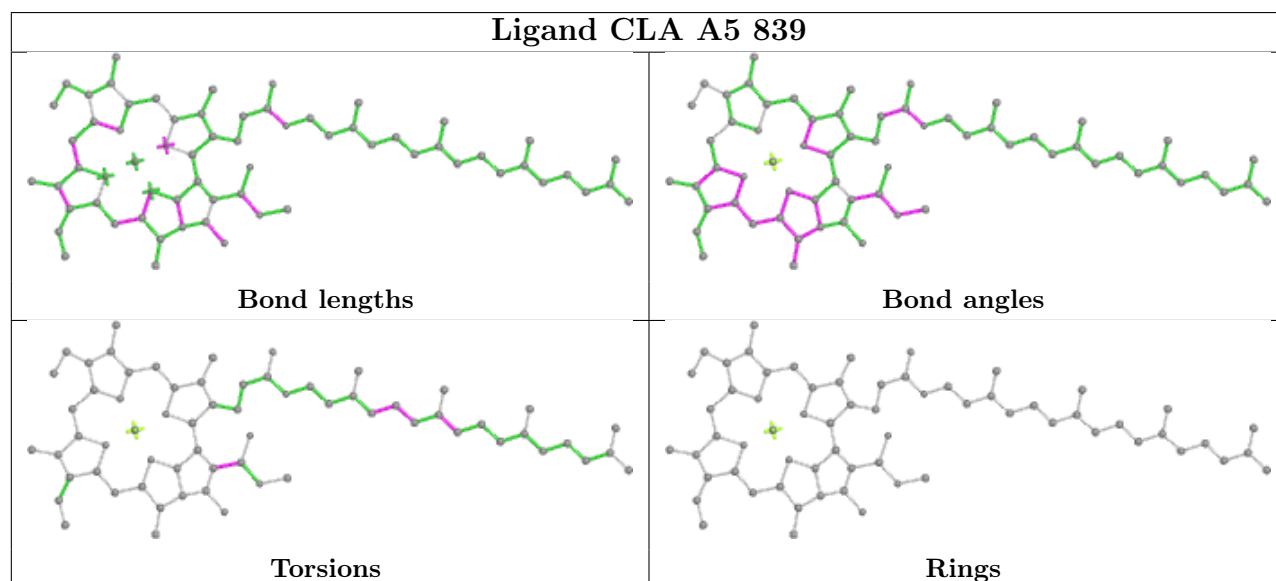
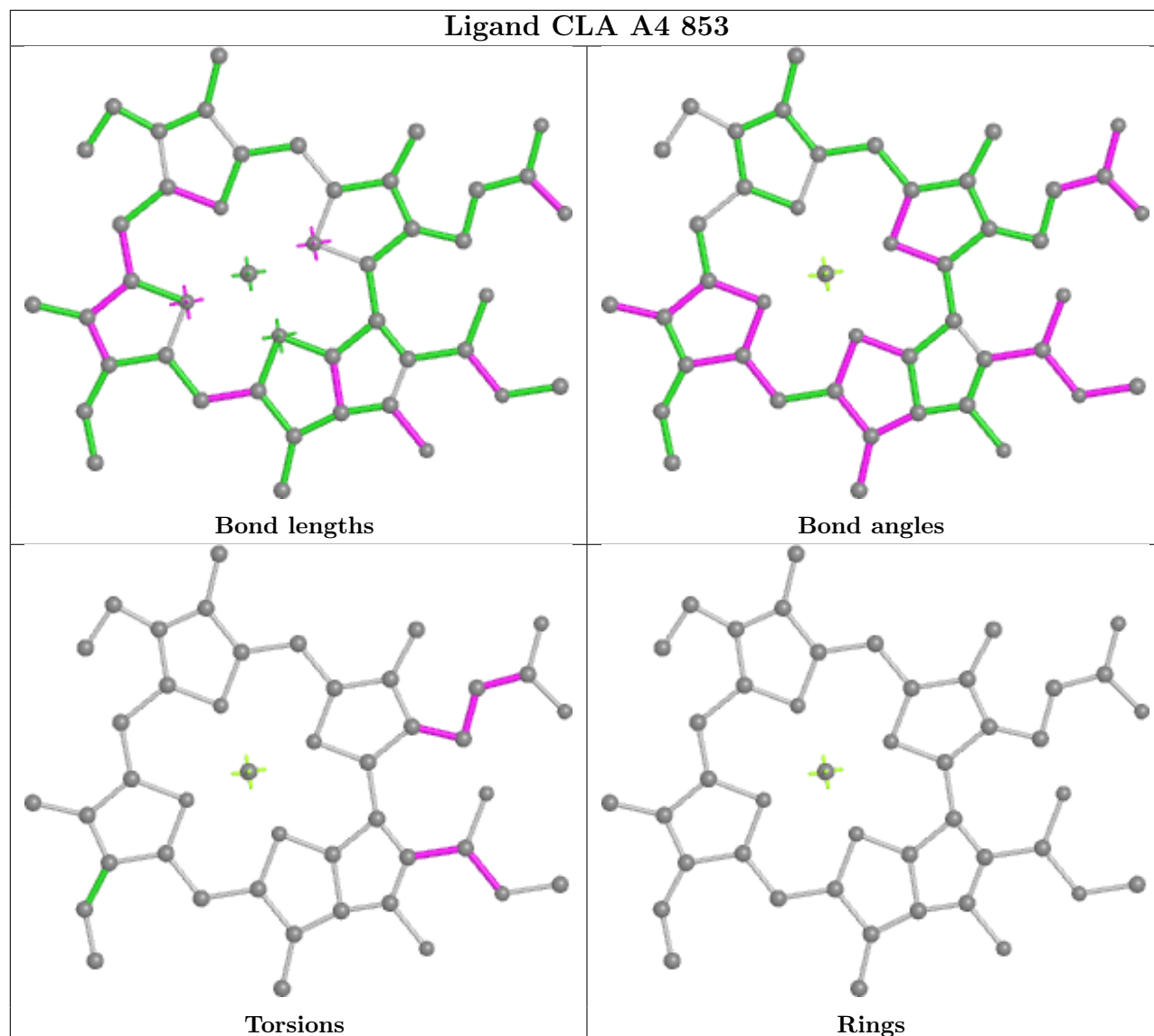


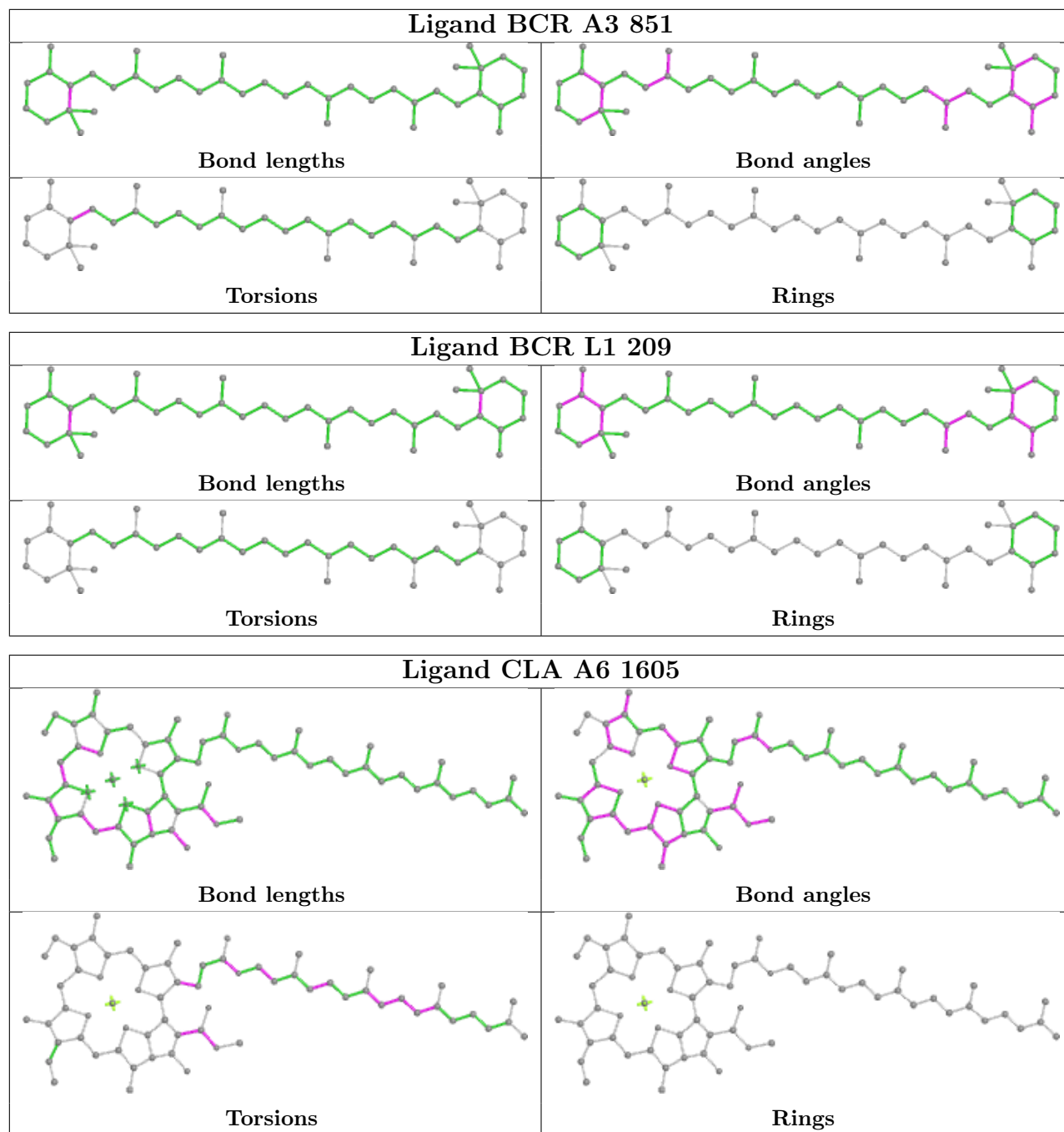


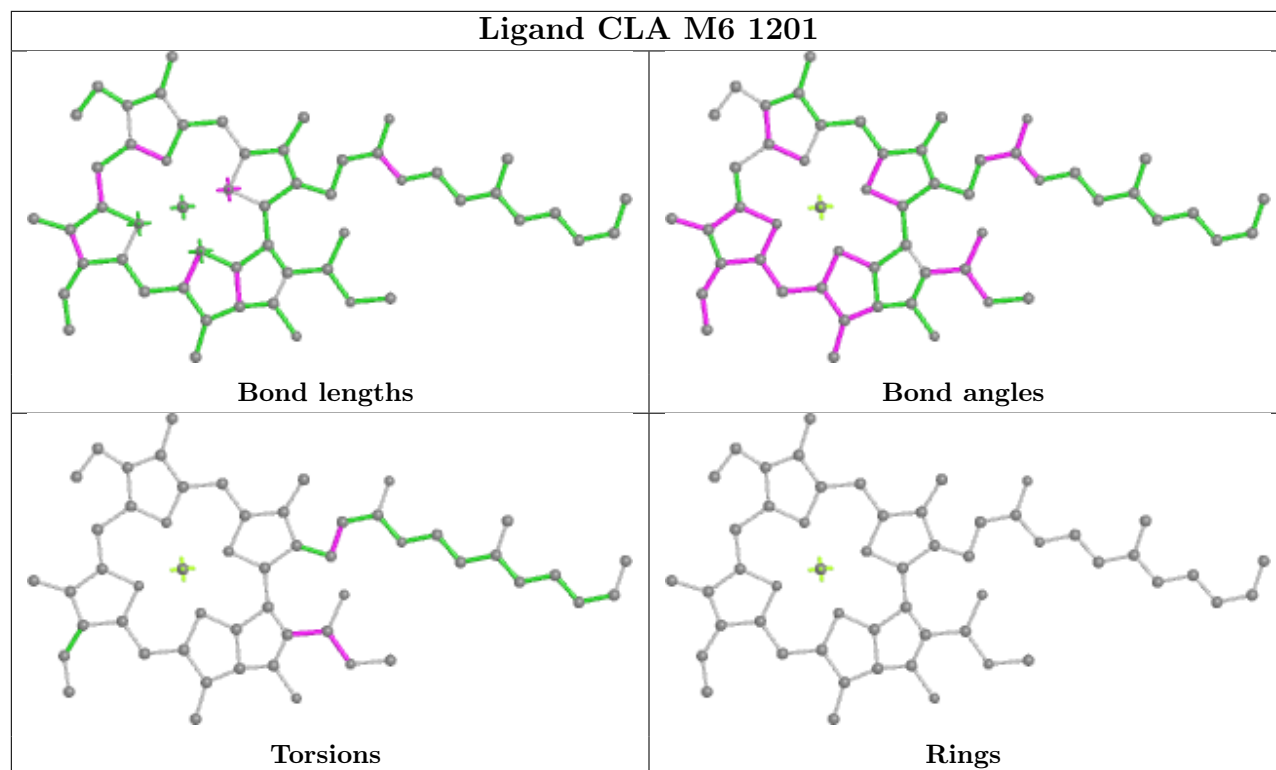


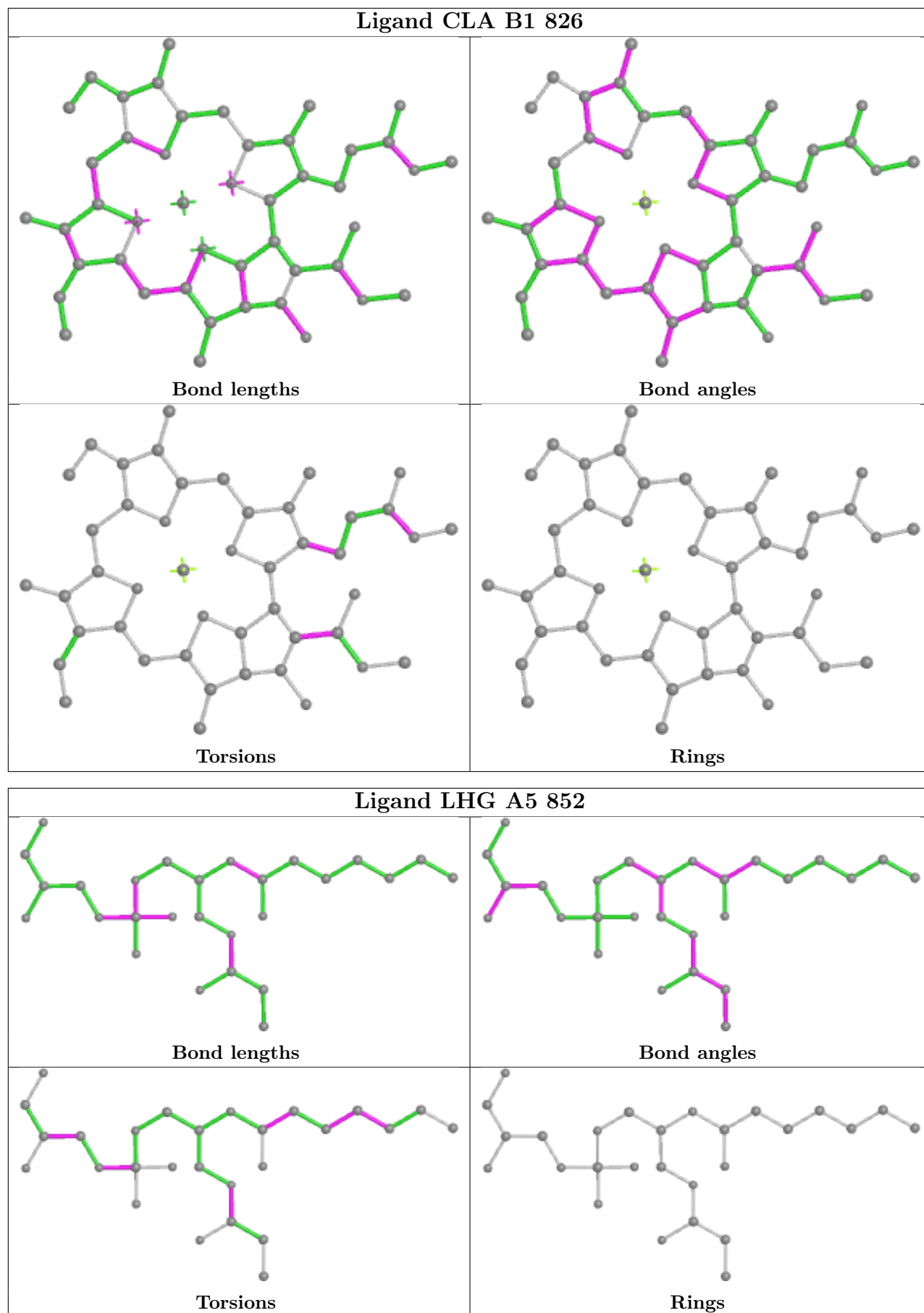




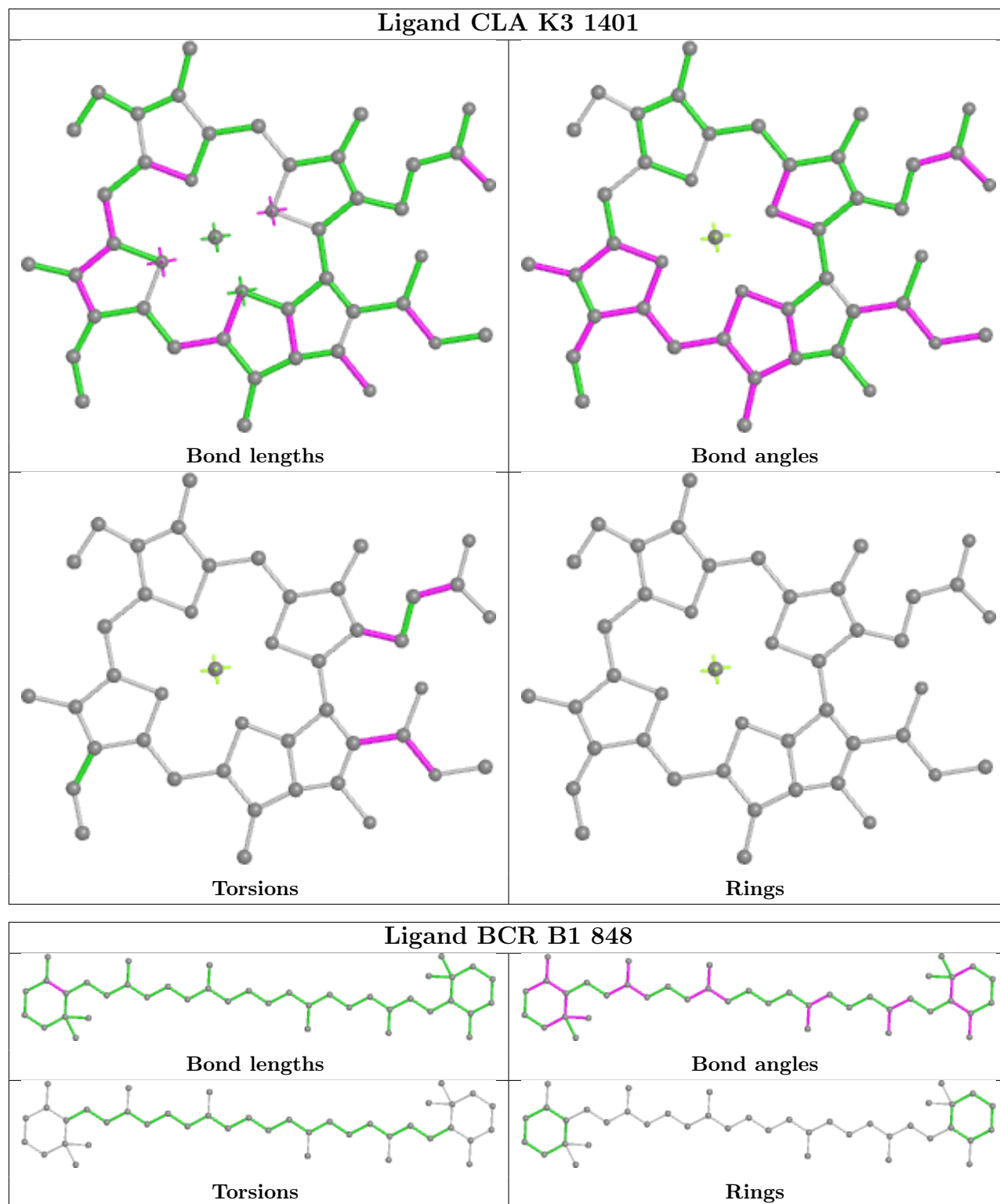


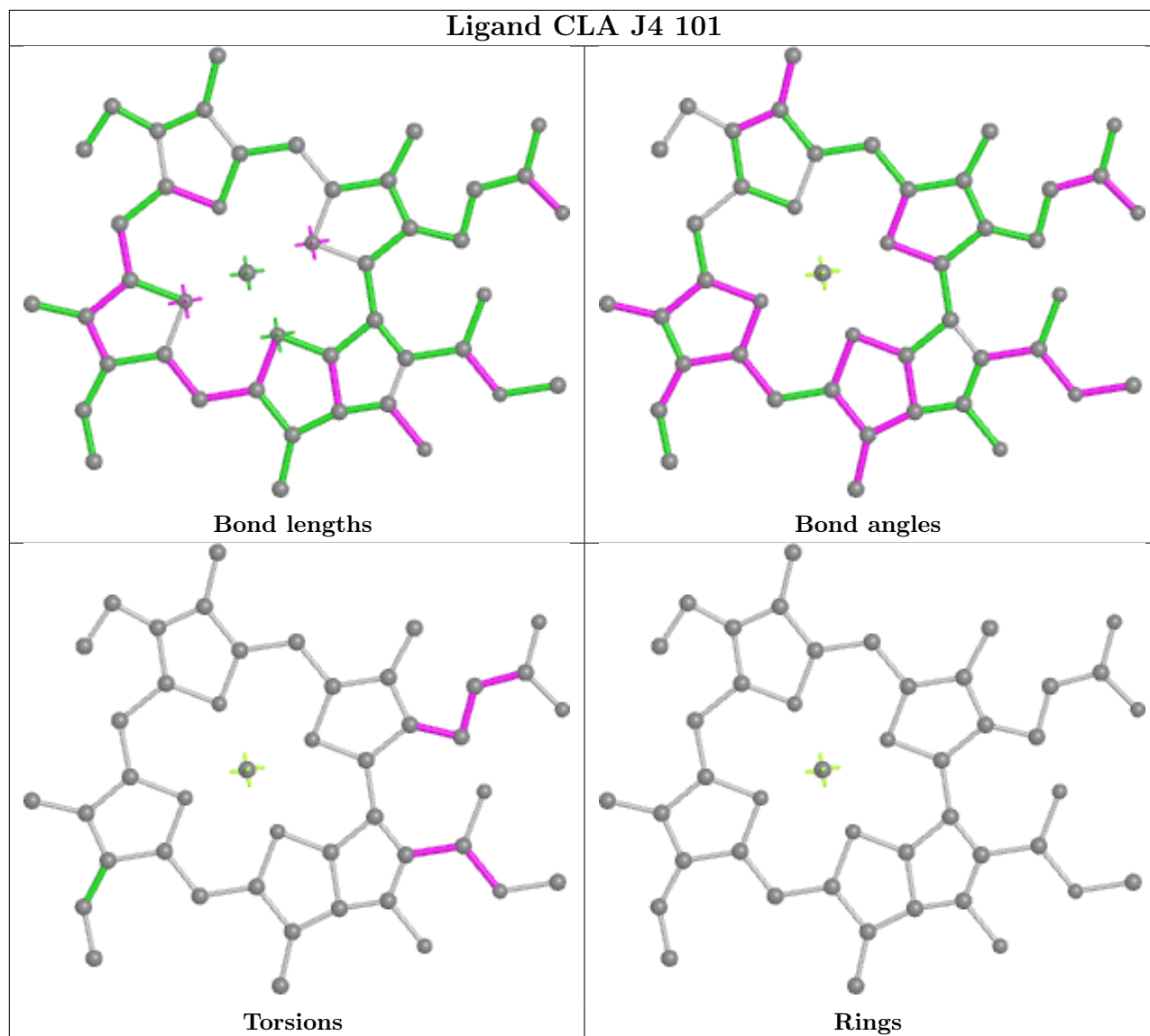
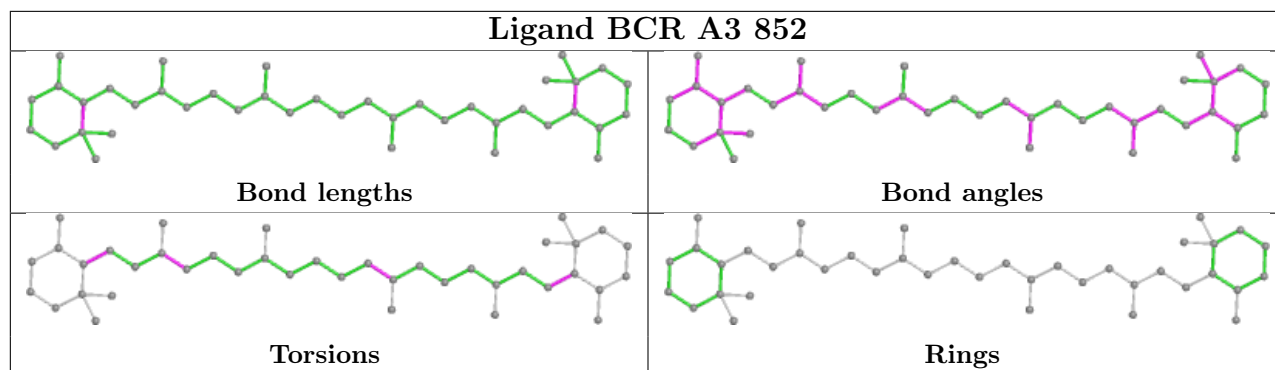


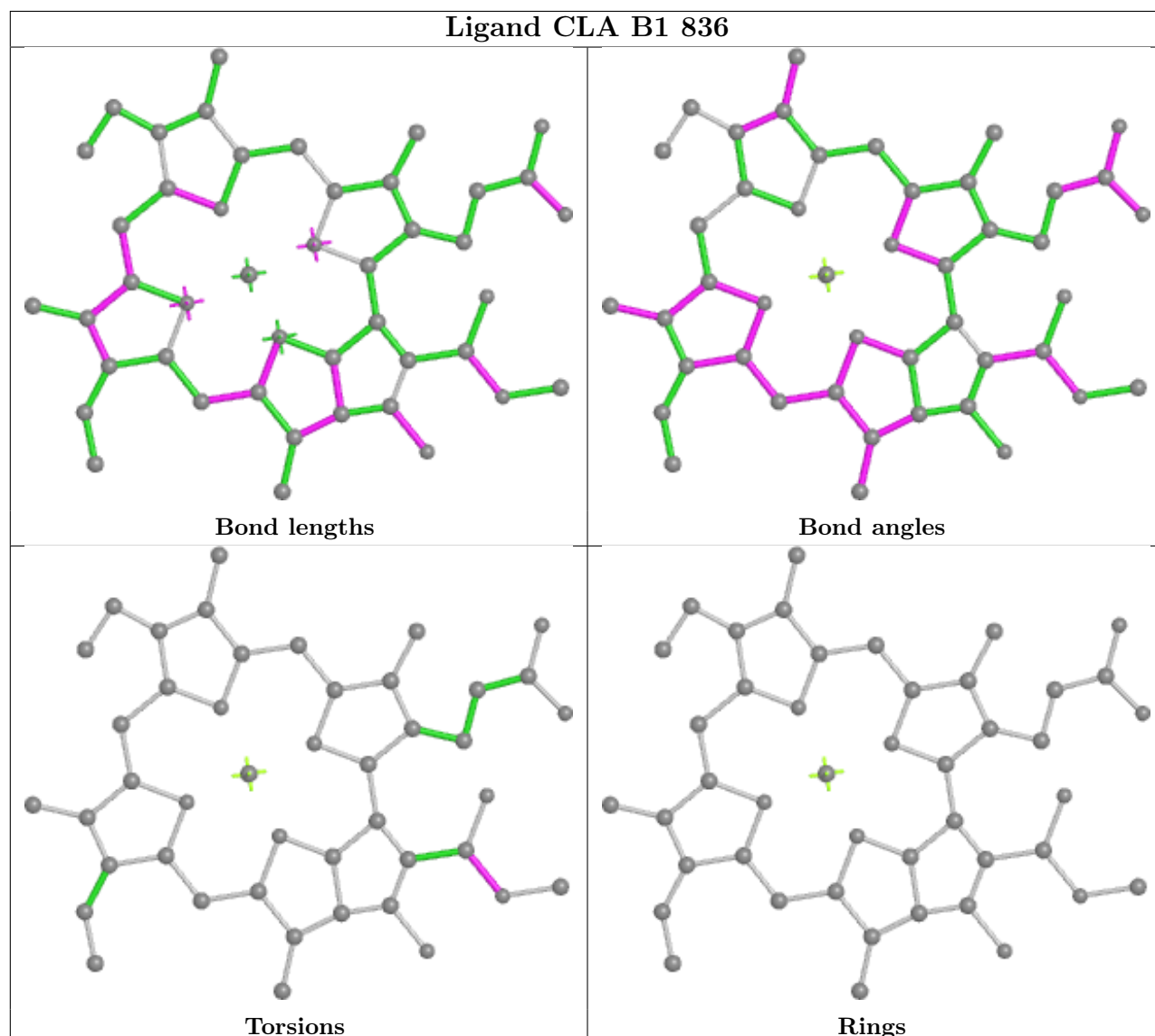
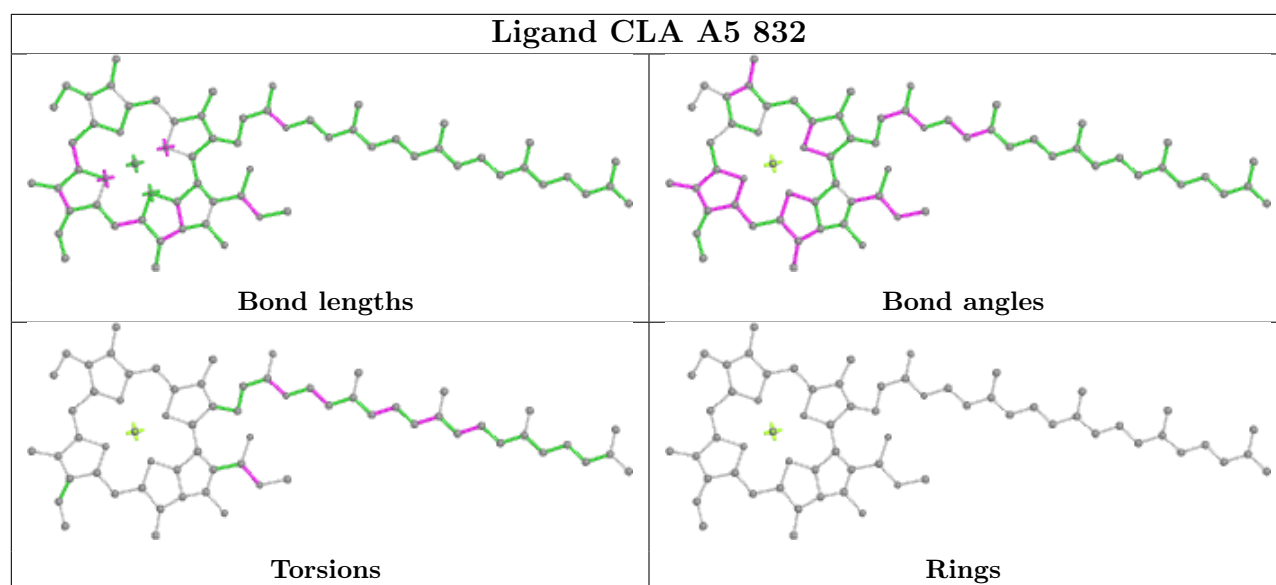


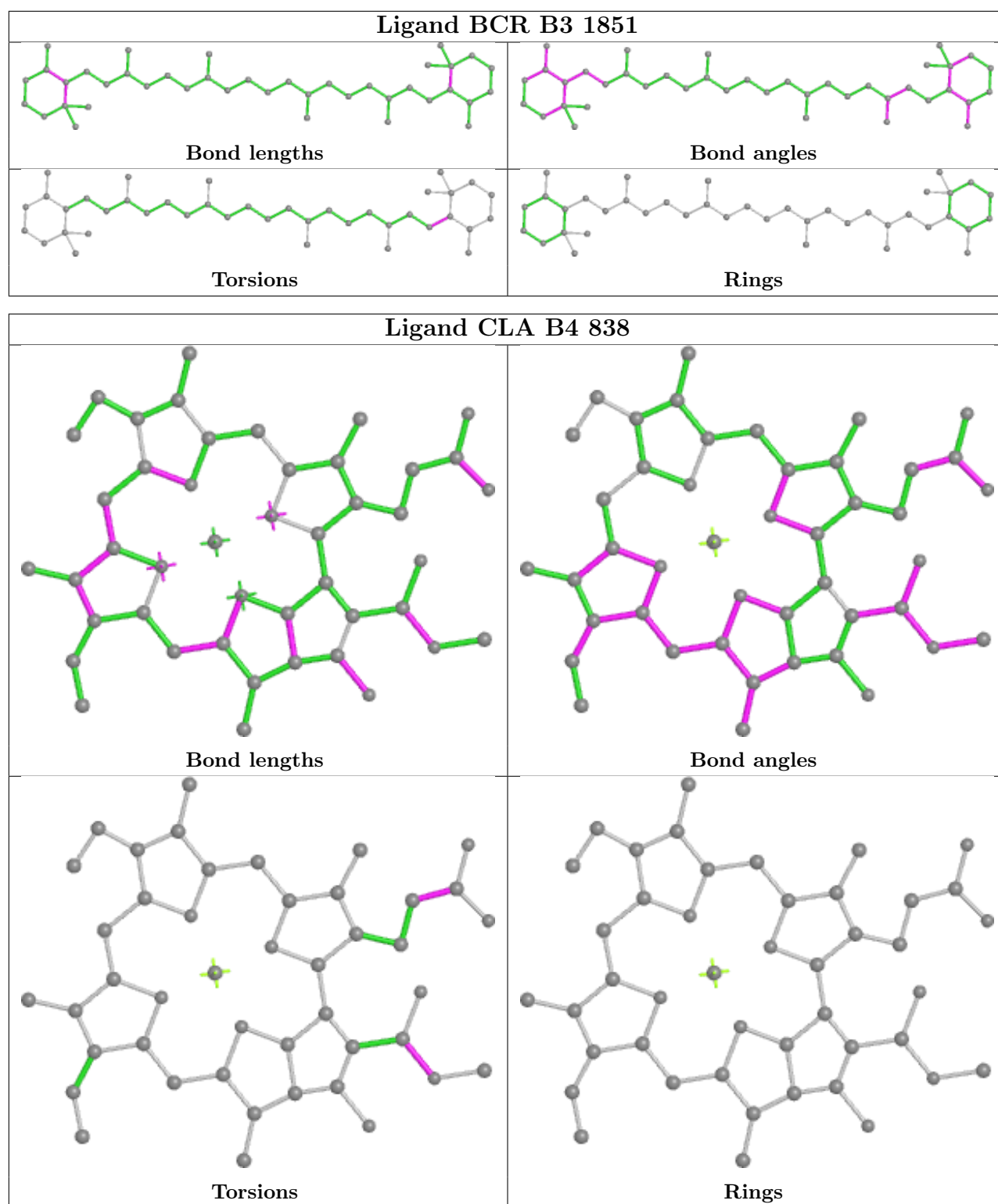












## 5.7 Other polymers [\(i\)](#)

There are no such residues in this entry.

## 5.8 Polymer linkage issues

There are no chain breaks in this entry.

## 6 Fit of model and data [i](#)

### 6.1 Protein, DNA and RNA chains [i](#)

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95<sup>th</sup> percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
1	A1	740/755 (98%)	0.68	92 (12%) 4 5	150, 166, 177, 185	0
1	A2	740/755 (98%)	0.20	41 (5%) 25 21	150, 161, 172, 180	0
1	A3	740/755 (98%)	0.19	30 (4%) 37 30	150, 157, 168, 179	0
1	A4	740/755 (98%)	0.27	61 (8%) 11 10	150, 166, 178, 187	0
1	A5	740/755 (98%)	0.18	34 (4%) 32 27	150, 160, 171, 179	0
1	A6	740/755 (98%)	0.22	28 (3%) 40 32	150, 159, 169, 180	0
2	B1	739/740 (99%)	0.40	58 (7%) 13 11	150, 165, 176, 187	0
2	B2	739/740 (99%)	-0.01	12 (1%) 72 62	150, 159, 171, 179	0
2	B3	739/740 (99%)	0.09	17 (2%) 60 51	150, 160, 171, 184	0
2	B4	739/740 (99%)	0.10	19 (2%) 56 45	150, 163, 174, 182	0
2	B5	739/740 (99%)	0.26	36 (4%) 29 25	150, 161, 173, 181	0
2	B6	739/740 (99%)	0.10	20 (2%) 54 44	150, 161, 172, 180	0
3	C1	80/80 (100%)	1.12	22 (27%) 0 1	153, 166, 178, 182	0
3	C2	80/80 (100%)	0.15	1 (1%) 77 68	150, 159, 167, 172	0
3	C3	80/80 (100%)	0.36	5 (6%) 20 16	150, 159, 169, 175	0
3	C4	80/80 (100%)	0.49	7 (8%) 10 9	150, 163, 172, 180	0
3	C5	80/80 (100%)	0.75	13 (16%) 1 2	150, 161, 170, 173	0
3	C6	80/80 (100%)	0.38	6 (7%) 14 12	150, 160, 171, 178	0
4	D1	138/138 (100%)	0.28	10 (7%) 15 13	151, 163, 172, 179	0
4	D2	138/138 (100%)	-0.11	2 (1%) 75 65	151, 161, 171, 180	0
4	D3	138/138 (100%)	-0.17	1 (0%) 87 82	150, 160, 170, 173	0
4	D4	138/138 (100%)	-0.15	3 (2%) 62 52	151, 165, 174, 185	0
4	D5	138/138 (100%)	0.28	12 (8%) 10 9	151, 162, 171, 178	0
4	D6	138/138 (100%)	0.19	6 (4%) 35 29	152, 162, 174, 180	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
5	E1	69/75 (92%)	1.23	19 (27%) 0 1	160, 170, 179, 184	0
5	E2	69/75 (92%)	0.43	7 (10%) 7 7	154, 164, 173, 178	0
5	E3	69/75 (92%)	0.16	4 (5%) 23 19	150, 162, 170, 175	0
5	E4	69/75 (92%)	0.69	14 (20%) 1 1	157, 170, 179, 182	0
5	E5	69/75 (92%)	0.62	8 (11%) 4 5	154, 167, 176, 179	0
5	E6	69/75 (92%)	0.86	10 (14%) 2 3	151, 165, 173, 178	0
6	F1	141/164 (85%)	1.01	26 (18%) 1 2	157, 171, 179, 184	0
6	F2	141/164 (85%)	0.12	4 (2%) 53 42	155, 168, 177, 181	0
6	F3	141/164 (85%)	0.39	10 (7%) 16 13	152, 165, 176, 179	0
6	F4	141/164 (85%)	0.59	18 (12%) 3 4	154, 170, 179, 187	0
6	F5	141/164 (85%)	0.18	8 (5%) 23 20	152, 166, 175, 185	0
6	F6	141/164 (85%)	0.32	13 (9%) 9 8	153, 166, 174, 182	0
7	I1	38/38 (100%)	0.02	0 100 100	150, 157, 166, 169	0
7	I2	38/38 (100%)	0.20	1 (2%) 56 45	150, 155, 166, 168	0
7	I3	38/38 (100%)	-0.07	0 100 100	150, 153, 163, 167	0
7	I4	38/38 (100%)	0.17	0 100 100	150, 156, 164, 169	0
7	I5	38/38 (100%)	0.10	0 100 100	150, 156, 165, 170	0
7	I6	38/38 (100%)	0.04	0 100 100	150, 154, 172, 172	0
8	J1	41/41 (100%)	0.26	5 (12%) 4 5	158, 170, 179, 184	0
8	J2	41/41 (100%)	0.27	2 (4%) 29 25	156, 166, 175, 185	0
8	J3	41/41 (100%)	0.18	2 (4%) 29 25	156, 165, 173, 178	0
8	J4	41/41 (100%)	0.76	5 (12%) 4 5	159, 170, 177, 185	0
8	J5	41/41 (100%)	0.24	1 (2%) 59 49	153, 166, 177, 179	0
8	J6	41/41 (100%)	-0.26	0 100 100	155, 164, 175, 179	0
9	K1	46/83 (55%)	-0.02	3 (6%) 18 15	151, 172, 184, 190	0
9	K2	46/83 (55%)	-0.55	0 100 100	155, 166, 173, 183	0
9	K3	46/83 (55%)	-0.15	3 (6%) 18 15	150, 163, 173, 180	0
9	K4	46/83 (55%)	-0.22	0 100 100	158, 175, 182, 184	0
9	K5	46/83 (55%)	-0.08	4 (8%) 10 9	156, 167, 178, 184	0
9	K6	46/83 (55%)	-0.32	3 (6%) 18 15	151, 162, 173, 179	0
10	L1	151/154 (98%)	0.23	5 (3%) 46 37	150, 154, 169, 180	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
10	L2	151/154 (98%)	0.30	5 (3%) 46 37	150, 155, 167, 174	0
10	L3	151/154 (98%)	0.16	2 (1%) 77 68	150, 155, 166, 171	0
10	L4	151/154 (98%)	0.28	2 (1%) 77 68	150, 156, 172, 185	0
10	L5	151/154 (98%)	0.15	1 (0%) 87 82	150, 156, 166, 177	0
10	L6	151/154 (98%)	0.26	2 (1%) 77 68	150, 154, 170, 178	0
11	M1	31/31 (100%)	-0.08	0 100 100	150, 160, 173, 177	0
11	M2	31/31 (100%)	-0.05	1 (3%) 47 37	151, 157, 167, 173	0
11	M3	31/31 (100%)	-0.13	1 (3%) 47 37	151, 160, 169, 172	0
11	M4	31/31 (100%)	0.14	1 (3%) 47 37	150, 160, 166, 171	0
11	M5	31/31 (100%)	-0.14	0 100 100	150, 158, 166, 170	0
11	M6	31/31 (100%)	-0.12	0 100 100	150, 160, 169, 171	0
12	X1	29/35 (82%)	0.81	3 (10%) 6 7	165, 172, 183, 185	0
12	X2	29/35 (82%)	-0.48	1 (3%) 45 36	156, 166, 173, 176	0
12	X3	29/35 (82%)	0.25	3 (10%) 6 7	154, 165, 176, 186	0
12	X4	29/35 (82%)	0.01	2 (6%) 16 13	159, 169, 181, 187	0
12	X5	29/35 (82%)	-0.08	0 100 100	153, 166, 179, 185	0
12	X6	29/35 (82%)	-0.16	2 (6%) 16 13	158, 166, 174, 178	0
13	P1	97/97 (100%)	1.02	18 (18%) 1 2	156, 171, 180, 185	2 (2%)
13	P2	97/97 (100%)	0.53	14 (14%) 2 3	153, 169, 179, 185	2 (2%)
13	P3	97/97 (100%)	0.37	6 (6%) 20 17	151, 163, 172, 177	2 (2%)
13	P4	97/97 (100%)	0.13	5 (5%) 27 23	156, 171, 180, 186	2 (2%)
13	P5	97/97 (100%)	0.65	13 (13%) 3 4	153, 170, 181, 187	2 (2%)
13	P6	97/97 (100%)	0.09	2 (2%) 63 54	153, 164, 175, 179	2 (2%)
All	All	14040/14586 (96%)	0.24	795 (5%) 23 20	150, 162, 175, 190	12 (0%)

The worst 5 of 795 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
2	B4	571	GLY	9.5
1	A1	40	ARG	8.0
2	B4	572	GLY	7.9
6	F1	50	HIS	7.6
2	B4	570	ARG	6.9



## 6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

## 6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

## 6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95<sup>th</sup> percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
14	CLA	A2	1601	45/65	-0.01	1.09	165,184,190,190	0
14	CLA	A4	853	45/65	0.20	1.13	169,176,185,190	0
14	CLA	A6	1601	45/65	0.28	1.05	164,174,180,182	0
16	BCR	B4	845	40/40	0.40	1.34	168,178,188,188	0
16	BCR	J1	104	40/40	0.45	1.08	163,174,179,182	0
16	BCR	B1	847	40/40	0.46	1.21	159,165,170,172	0
16	BCR	A6	1646	40/40	0.47	0.79	151,160,180,181	0
16	BCR	M4	101	40/40	0.48	0.69	150,158,166,167	0
16	BCR	A4	844	40/40	0.49	0.95	169,175,180,181	0
14	CLA	B1	838	60/65	0.49	0.78	156,175,183,189	0
16	BCR	A1	847	40/40	0.50	1.17	150,163,176,179	0
14	CLA	A1	809	45/65	0.50	0.53	162,179,183,186	0
16	BCR	B1	852	40/40	0.50	0.90	159,175,179,180	0
16	BCR	A1	842	40/40	0.50	0.95	160,174,182,182	0
16	BCR	J5	105	40/40	0.53	1.04	163,170,174,176	0
14	CLA	J1	101	45/65	0.54	0.69	171,180,185,187	0
16	BCR	M3	1602	40/40	0.55	0.78	153,161,166,167	0
16	BCR	B1	848	40/40	0.55	0.78	159,170,176,177	0
16	BCR	B4	849	40/40	0.56	1.59	151,166,173,174	0
14	CLA	A4	816	54/65	0.56	0.49	161,170,179,187	0
17	LHG	X3	101	23/49	0.57	0.39	157,168,180,181	0
16	BCR	B2	846	40/40	0.58	1.56	157,162,169,171	0
16	BCR	B1	844	40/40	0.58	0.78	154,166,184,185	0
16	BCR	B1	845	40/40	0.58	0.51	156,169,184,186	0
14	CLA	B5	1839	60/65	0.59	0.93	153,164,172,189	0
16	BCR	M5	101	40/40	0.59	0.54	150,159,163,165	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
16	BCR	B5	1849	40/40	0.59	0.99	152,163,170,171	0
16	BCR	A1	846	40/40	0.60	0.80	156,168,177,178	0
15	PQN	B4	844	33/33	0.60	0.65	157,161,167,168	0
16	BCR	A1	845	40/40	0.60	0.50	150,162,167,168	0
16	BCR	B6	847	40/40	0.60	1.42	161,169,172,173	0
16	BCR	B2	845	25/40	0.61	0.98	154,165,177,178	0
15	PQN	A4	843	33/33	0.61	1.65	165,171,175,176	0
16	BCR	B3	1845	40/40	0.61	1.66	165,170,174,175	0
16	BCR	B6	846	25/40	0.61	1.18	157,165,175,176	0
14	CLA	A4	842	41/65	0.61	0.55	150,170,175,175	0
14	CLA	B1	821	47/65	0.61	0.50	155,179,183,190	0
16	BCR	A4	847	40/40	0.61	0.65	159,169,176,177	0
16	BCR	A4	849	40/40	0.61	1.47	153,163,183,185	0
14	CLA	L5	202	45/65	0.61	0.81	167,179,181,182	0
15	PQN	A1	841	33/33	0.62	1.08	162,165,170,171	0
16	BCR	F1	1302	40/40	0.62	0.58	165,172,181,183	0
16	BCR	B1	843	40/40	0.62	0.56	169,176,183,184	0
14	CLA	A1	815	49/65	0.62	0.60	150,175,181,185	0
14	CLA	B1	834	58/65	0.63	0.58	159,174,184,186	0
16	BCR	L6	201	40/40	0.63	0.49	150,158,175,176	0
19	LMG	B6	848	55/55	0.63	0.86	152,161,175,182	0
16	BCR	A4	848	40/40	0.64	0.79	160,168,174,174	0
16	BCR	J1	103	40/40	0.64	1.00	155,164,181,183	0
17	LHG	B1	851	23/49	0.64	0.65	158,175,188,189	0
16	BCR	J4	104	40/40	0.64	1.14	163,169,174,176	0
16	BCR	J5	104	40/40	0.64	1.24	150,161,168,169	0
19	LMG	B5	1851	55/55	0.64	0.79	151,162,170,177	0
14	CLA	F1	1301	45/65	0.65	0.49	167,171,182,186	0
16	BCR	B6	844	40/40	0.65	0.98	156,172,183,183	0
16	BCR	A1	843	40/40	0.65	0.93	163,171,178,180	0
16	BCR	M1	1202	40/40	0.65	0.48	150,161,172,174	0
14	CLA	L3	202	45/65	0.65	0.62	164,172,183,186	0
17	LHG	X4	101	23/49	0.65	0.77	161,172,183,186	0
16	BCR	B5	1845	40/40	0.65	1.03	163,169,180,182	0
14	CLA	M3	1601	45/65	0.65	0.67	169,176,182,190	0
16	BCR	B1	849	40/40	0.66	0.61	158,169,173,174	0
19	LMG	B4	851	55/55	0.66	0.76	150,162,172,177	0
14	CLA	B1	818	59/65	0.66	0.83	160,171,185,190	0
16	BCR	B5	1846	40/40	0.66	0.79	150,158,179,180	0
16	BCR	B4	846	40/40	0.67	0.75	157,169,182,184	0
16	BCR	B4	847	40/40	0.67	0.67	152,170,186,188	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
16	BCR	J6	1105	40/40	0.67	0.56	157,161,170,171	0
16	BCR	A4	845	40/40	0.67	0.84	161,169,177,179	0
14	CLA	A4	809	45/65	0.67	0.70	166,180,186,190	0
19	LMG	B1	850	55/55	0.67	0.79	156,167,178,183	0
14	CLA	A1	823	59/65	0.67	0.34	153,162,170,173	0
16	BCR	A2	1648	40/40	0.67	0.58	159,169,174,175	0
14	CLA	A1	811	54/65	0.67	0.48	153,160,169,171	0
14	CLA	B3	1821	65/65	0.68	1.02	163,174,178,186	0
16	BCR	A4	846	40/40	0.68	0.82	157,168,174,175	0
14	CLA	B1	814	65/65	0.68	0.66	157,175,189,190	0
16	BCR	F6	203	40/40	0.68	0.79	159,166,172,175	0
15	PQN	B5	1844	33/33	0.68	0.57	152,161,167,170	0
14	CLA	B6	831	49/65	0.68	0.51	150,164,173,175	0
16	BCR	A5	848	40/40	0.68	0.91	152,163,170,172	0
16	BCR	A6	1643	40/40	0.68	0.81	156,161,165,173	0
16	BCR	A2	1650	40/40	0.68	0.63	157,163,170,173	0
16	BCR	B6	843	40/40	0.68	0.80	159,167,170,171	0
14	CLA	A1	804	65/65	0.69	0.62	153,166,172,174	0
16	BCR	B5	1848	25/40	0.69	1.40	150,159,167,169	0
16	BCR	B3	1846	40/40	0.69	0.93	158,167,174,176	0
16	BCR	B3	1848	25/40	0.69	0.91	164,169,177,178	0
17	LHG	A4	850	49/49	0.69	1.23	155,170,176,182	0
14	CLA	A1	824	65/65	0.70	0.79	158,168,175,180	0
16	BCR	F4	201	40/40	0.70	0.96	161,169,176,177	0
16	BCR	F4	204	40/40	0.70	0.85	163,171,179,182	0
16	BCR	I4	101	40/40	0.70	0.51	150,154,168,173	0
16	BCR	L1	209	40/40	0.70	0.46	150,153,169,170	0
14	CLA	B5	1823	45/65	0.70	0.70	168,176,179,182	0
16	BCR	A5	850	40/40	0.70	0.74	150,159,164,164	0
16	BCR	A1	844	40/40	0.70	0.81	157,169,182,183	0
14	CLA	B4	838	45/65	0.70	0.40	161,171,175,178	0
16	BCR	B2	842	40/40	0.70	0.50	158,165,172,173	0
14	CLA	B1	813	45/65	0.70	0.68	162,171,176,179	0
16	BCR	A2	1647	40/40	0.71	0.62	153,160,173,174	0
16	BCR	J4	103	40/40	0.71	1.64	155,164,177,177	0
16	BCR	F3	203	40/40	0.71	1.01	155,165,170,171	0
14	CLA	B1	835	45/65	0.71	0.64	154,178,181,184	0
14	CLA	B3	1824	55/65	0.71	0.43	151,163,167,170	0
16	BCR	F4	203	40/40	0.71	0.89	161,166,178,179	0
16	BCR	A5	845	40/40	0.71	0.84	157,162,167,169	0
14	CLA	B5	1827	46/65	0.71	0.73	150,165,171,172	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
16	BCR	B2	843	40/40	0.72	0.76	154,164,176,177	0
17	LHG	A1	848	49/49	0.72	0.81	156,168,182,184	0
16	BCR	B3	1847	40/40	0.72	0.57	151,160,175,176	0
16	BCR	J2	103	40/40	0.72	1.11	160,164,169,171	0
14	CLA	F2	204	37/65	0.72	0.65	150,161,174,177	0
14	CLA	B1	840	47/65	0.73	0.41	150,171,176,179	0
14	CLA	B6	823	45/65	0.73	0.65	150,162,170,177	0
14	CLA	F3	202	45/65	0.73	0.97	158,171,173,177	0
14	CLA	B1	826	46/65	0.73	0.56	150,169,179,181	0
17	LHG	B2	849	23/49	0.73	0.27	154,164,173,174	0
14	CLA	B1	831	45/65	0.73	0.40	154,167,171,175	0
14	CLA	J1	102	37/65	0.73	0.85	150,163,175,179	0
14	CLA	A4	815	49/65	0.73	0.48	166,176,184,188	0
17	LHG	A5	851	49/49	0.73	1.04	152,164,171,182	0
14	CLA	A1	840	41/65	0.73	0.43	150,164,178,187	0
14	CLA	A2	1618	49/65	0.73	0.57	150,175,185,189	0
14	CLA	B1	812	45/65	0.73	0.39	155,169,175,177	0
14	CLA	A1	814	45/65	0.73	0.52	171,179,184,189	0
16	BCR	A3	850	40/40	0.74	0.59	150,158,164,164	0
16	BCR	A6	1645	40/40	0.74	0.82	152,163,171,173	0
16	BCR	J5	103	40/40	0.74	0.74	152,160,167,170	0
14	CLA	J5	101	45/65	0.74	0.49	156,172,176,176	0
14	CLA	B1	802	65/65	0.74	0.73	155,170,178,186	0
14	CLA	A4	814	45/65	0.74	0.40	162,172,183,186	0
16	BCR	B4	848	25/40	0.74	1.17	160,164,169,171	0
15	PQN	B3	1844	33/33	0.74	0.56	150,153,165,165	0
16	BCR	B6	850	40/40	0.74	0.98	153,160,174,174	0
14	CLA	B3	1826	54/65	0.74	1.28	152,160,171,175	0
14	CLA	B1	825	54/65	0.74	0.65	153,166,178,188	0
14	CLA	A5	810	45/65	0.74	0.50	154,168,174,175	0
14	CLA	B5	1822	47/65	0.74	0.59	150,168,175,177	0
14	CLA	B1	820	65/65	0.74	0.48	152,174,179,182	0
14	CLA	B1	827	65/65	0.74	0.78	150,166,179,182	0
16	BCR	L4	208	40/40	0.74	0.41	150,156,172,174	0
14	CLA	B4	824	55/65	0.74	0.56	158,171,177,177	0
14	CLA	A2	1615	60/65	0.75	0.65	152,162,169,170	0
14	CLA	A1	822	51/65	0.75	0.30	160,169,175,176	0
16	BCR	B3	1849	40/40	0.75	1.36	154,160,173,174	0
14	CLA	A4	821	49/65	0.75	0.32	164,176,181,183	0
16	BCR	A2	1649	40/40	0.75	0.58	150,164,171,171	0
14	CLA	A4	824	65/65	0.75	0.69	161,170,177,181	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A4	825	65/65	0.75	0.69	151,160,173,177	0
16	BCR	M6	1202	40/40	0.75	0.53	152,161,166,167	0
14	CLA	A5	816	49/65	0.75	0.99	150,173,180,181	0
14	CLA	B5	1817	45/65	0.75	0.41	150,159,179,183	0
14	CLA	B5	1819	59/65	0.75	0.60	156,164,169,173	0
14	CLA	A4	806	51/65	0.75	0.51	161,176,182,184	0
14	CLA	A2	1645	41/65	0.75	0.51	150,164,172,174	0
14	CLA	B4	823	45/65	0.75	0.36	165,170,177,179	0
14	CLA	B1	822	45/65	0.75	0.49	171,177,186,190	0
14	CLA	A1	837	51/65	0.76	0.57	157,169,178,185	0
14	CLA	K2	1401	45/65	0.76	0.39	161,170,176,177	0
14	CLA	A1	820	65/65	0.76	0.41	153,161,173,179	0
14	CLA	A1	803	59/65	0.76	0.67	150,159,176,180	0
14	CLA	B1	816	45/65	0.76	0.29	161,168,176,190	0
14	CLA	B1	817	55/65	0.76	0.56	150,165,180,184	0
14	CLA	B1	805	65/65	0.76	0.77	153,170,176,180	0
14	CLA	A5	815	45/65	0.76	0.43	156,170,176,177	0
17	LHG	A2	1653	49/49	0.76	1.15	150,159,167,168	0
14	CLA	B2	815	55/65	0.76	0.52	156,162,170,176	0
16	BCR	B2	844	40/40	0.76	0.46	155,167,172,174	0
14	CLA	B5	1814	45/65	0.76	0.62	158,170,176,178	0
14	CLA	B5	1815	65/65	0.76	0.59	162,167,175,181	0
17	LHG	B6	849	23/49	0.76	0.41	155,169,180,180	0
16	BCR	A5	849	40/40	0.76	0.95	154,159,168,168	0
14	CLA	B2	829	45/65	0.76	0.47	151,163,171,172	0
19	LMG	B3	1850	55/55	0.76	0.85	157,163,172,176	0
16	BCR	A5	853	40/40	0.76	0.58	152,160,169,169	0
16	BCR	A6	1644	40/40	0.76	0.56	152,159,167,169	0
14	CLA	B4	811	65/65	0.76	0.50	150,158,174,177	0
20	CA	L6	205	1/1	0.76	0.69	150,150,150,150	0
14	CLA	B1	823	55/65	0.77	0.46	167,173,179,188	0
14	CLA	B4	813	45/65	0.77	0.49	154,165,169,171	0
14	CLA	B4	817	45/65	0.77	0.51	158,168,173,182	0
14	CLA	B1	824	45/65	0.77	0.56	160,164,170,175	0
16	BCR	B3	1851	40/40	0.77	0.93	150,164,176,177	0
14	CLA	B2	814	45/65	0.77	0.38	159,165,174,176	0
14	CLA	B4	837	45/65	0.77	0.27	156,169,179,181	0
14	CLA	J3	102	37/65	0.77	0.75	150,166,171,174	0
14	CLA	F4	202	45/65	0.77	0.57	161,174,177,179	0
14	CLA	A3	809	65/65	0.77	0.71	150,162,168,175	0
14	CLA	B6	819	65/65	0.77	0.53	163,173,179,185	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	L3	205	65/65	0.77	0.49	150,156,173,174	0
14	CLA	B3	1817	45/65	0.77	0.45	154,168,182,190	0
14	CLA	A4	804	65/65	0.77	0.66	156,164,173,174	0
16	BCR	B5	1847	40/40	0.77	0.61	155,163,173,176	0
14	CLA	A1	819	61/65	0.77	0.50	156,168,174,176	0
14	CLA	B4	809	65/65	0.77	0.48	150,157,167,173	0
16	BCR	B6	845	40/40	0.77	0.82	150,168,174,176	0
21	FES	P1	101	4/4	0.77	0.11	166,170,181,184	0
14	CLA	A1	805	65/65	0.78	0.62	156,171,178,182	0
14	CLA	K1	1401	45/65	0.78	0.41	161,173,177,179	0
15	PQN	A5	844	33/33	0.78	0.98	158,162,165,166	0
16	BCR	L3	201	40/40	0.78	0.43	150,154,161,162	0
14	CLA	B3	1825	45/65	0.78	0.61	159,162,166,171	0
14	CLA	A1	812	60/65	0.78	0.57	154,165,174,176	0
16	BCR	A6	1648	40/40	0.78	1.12	150,158,169,170	0
16	BCR	L5	201	40/40	0.78	0.45	150,150,171,175	0
14	CLA	B2	818	65/65	0.78	0.65	155,169,174,177	0
14	CLA	B4	827	46/65	0.78	0.95	153,165,169,172	0
14	CLA	B5	1818	55/65	0.78	0.73	153,161,181,183	0
14	CLA	A2	1607	65/65	0.78	0.74	150,155,167,170	0
14	CLA	B5	1821	65/65	0.78	0.58	152,168,175,180	0
14	CLA	A2	1612	45/65	0.78	0.33	163,169,172,174	0
16	BCR	F6	201	40/40	0.78	1.07	150,159,164,166	0
14	CLA	A1	802	65/65	0.78	0.85	150,163,175,178	0
14	CLA	J4	101	45/65	0.78	0.76	162,176,181,183	0
16	BCR	F2	203	40/40	0.78	0.69	153,163,175,177	0
17	LHG	X5	102	23/49	0.78	0.40	150,163,172,174	0
16	BCR	B1	846	25/40	0.78	1.32	166,173,175,176	0
16	BCR	A3	849	40/40	0.78	0.86	150,158,166,168	0
14	CLA	A4	834	45/65	0.78	0.33	156,166,171,181	0
14	CLA	A1	821	49/65	0.78	0.36	164,175,180,182	0
14	CLA	X3	102	45/65	0.78	0.64	161,167,171,174	0
20	CA	L2	204	1/1	0.78	0.69	150,150,150,150	0
14	CLA	A2	1627	65/65	0.78	0.66	155,163,170,176	0
14	CLA	F6	202	45/65	0.78	0.54	159,171,175,177	0
16	BCR	I5	101	40/40	0.79	0.49	150,150,164,165	0
14	CLA	A1	816	54/65	0.79	0.58	157,167,171,174	0
14	CLA	B2	821	55/65	0.79	0.57	157,165,176,177	0
14	CLA	A1	826	65/65	0.79	0.53	154,162,171,172	0
16	BCR	A3	847	40/40	0.79	0.82	150,159,167,171	0
14	CLA	B5	1813	45/65	0.79	0.45	151,170,178,181	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B1	801	65/65	0.79	0.45	150,160,166,169	0
14	CLA	A1	827	65/65	0.79	0.60	161,169,176,182	0
14	CLA	B1	803	65/65	0.79	0.34	150,164,171,175	0
16	BCR	J6	1104	40/40	0.79	1.13	150,156,161,161	0
14	CLA	A6	1610	45/65	0.79	0.42	162,168,172,179	0
14	CLA	A6	1616	49/65	0.79	0.40	157,167,172,182	0
14	CLA	B6	816	55/65	0.79	0.57	150,162,172,178	0
16	BCR	I4	102	40/40	0.79	0.56	150,154,163,165	0
16	BCR	A5	846	40/40	0.79	1.05	150,162,174,175	0
14	CLA	B3	1801	52/65	0.79	0.38	154,168,176,177	0
14	CLA	B4	821	65/65	0.79	0.69	160,172,178,179	0
16	BCR	J3	104	40/40	0.79	0.92	151,158,164,165	0
14	CLA	A2	1606	59/65	0.79	0.70	158,167,175,178	0
16	BCR	A2	1652	40/40	0.79	0.98	150,159,167,167	0
14	CLA	B5	1836	45/65	0.79	0.48	155,165,173,177	0
14	CLA	B1	853	52/65	0.79	0.43	150,160,171,175	0
14	CLA	F5	1301	45/65	0.79	0.88	158,166,178,180	0
14	CLA	K6	1401	45/65	0.79	0.32	159,163,170,173	0
16	BCR	B5	1850	40/40	0.80	1.17	156,159,165,166	0
16	BCR	F2	201	40/40	0.80	0.96	154,162,168,169	0
14	CLA	B4	822	47/65	0.80	0.48	160,169,177,180	0
16	BCR	I2	101	40/40	0.80	0.46	150,150,161,162	0
14	CLA	A2	1605	65/65	0.80	0.92	150,164,171,173	0
16	BCR	L2	203	40/40	0.80	0.49	150,152,163,165	0
14	CLA	B5	1826	54/65	0.80	0.57	151,164,174,175	0
14	CLA	A1	836	47/65	0.80	0.36	151,166,173,174	0
14	CLA	B5	1832	45/65	0.80	0.65	158,166,173,177	0
16	BCR	B4	850	40/40	0.80	0.47	150,155,164,164	0
14	CLA	B5	1801	52/65	0.80	0.49	162,171,177,185	0
14	CLA	B5	1838	45/65	0.80	0.59	159,168,175,181	0
14	CLA	A6	1620	61/65	0.80	0.59	152,162,171,172	0
14	CLA	B4	826	54/65	0.80	0.50	151,167,172,179	0
14	CLA	B1	832	49/65	0.80	0.46	151,161,177,183	0
16	BCR	A5	847	40/40	0.80	0.95	150,159,163,163	0
16	BCR	A2	1651	40/40	0.80	0.74	150,156,170,173	0
16	BCR	F3	201	40/40	0.80	0.98	150,153,168,170	0
19	LMG	B2	848	55/55	0.80	0.84	153,161,168,169	0
14	CLA	B2	830	49/65	0.80	0.54	154,163,182,184	0
14	CLA	X5	101	45/65	0.80	0.65	156,168,176,190	0
14	CLA	A1	810	65/65	0.80	0.58	163,173,178,178	0
15	PQN	A2	1646	33/33	0.80	1.41	150,159,174,175	0
14	CLA	B4	819	59/65	0.80	0.35	156,168,178,185	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A1	833	45/65	0.80	0.49	158,171,178,180	0
16	BCR	B2	850	40/40	0.80	0.62	160,165,168,169	0
16	BCR	L1	203	40/40	0.81	0.54	150,152,158,160	0
14	CLA	A5	820	61/65	0.81	0.60	150,161,173,176	0
14	CLA	A5	825	65/65	0.81	0.68	156,164,168,169	0
14	CLA	A3	823	51/65	0.81	0.44	152,164,176,182	0
14	CLA	B4	839	60/65	0.81	0.62	162,168,172,173	0
14	CLA	B4	852	52/65	0.81	0.36	150,163,170,172	0
16	BCR	A6	1647	40/40	0.81	0.73	152,159,166,167	0
15	PQN	B6	842	33/33	0.81	0.58	153,163,168,175	0
16	BCR	A6	1652	40/40	0.81	0.57	150,151,158,163	0
14	CLA	A1	808	65/65	0.81	0.43	156,162,172,175	0
14	CLA	B1	837	45/65	0.81	0.27	157,167,179,183	0
14	CLA	K4	1401	45/65	0.81	0.33	162,170,175,185	0
14	CLA	B4	806	54/65	0.81	0.45	150,155,160,166	0
14	CLA	B5	1820	60/65	0.81	0.38	150,158,169,170	0
14	CLA	B2	838	47/65	0.81	0.57	151,162,167,174	0
14	CLA	A4	802	65/65	0.81	0.80	151,169,185,190	0
14	CLA	B3	1823	45/65	0.81	0.64	157,165,175,179	0
16	BCR	I6	102	40/40	0.81	0.52	150,150,155,158	0
14	CLA	B5	1824	55/65	0.81	0.51	163,168,179,181	0
14	CLA	A1	838	65/65	0.81	0.82	154,165,172,176	0
14	CLA	A2	1625	51/65	0.81	0.44	152,165,171,171	0
16	BCR	J2	102	40/40	0.81	1.45	151,163,167,170	0
14	CLA	M2	1201	54/65	0.81	0.39	150,154,163,167	0
14	CLA	B3	1828	65/65	0.81	0.65	150,162,175,189	0
14	CLA	B3	1833	49/65	0.81	0.46	150,160,171,175	0
14	CLA	A4	819	61/65	0.81	0.59	157,168,174,179	0
14	CLA	L6	202	65/65	0.81	0.55	150,150,166,168	0
14	CLA	B3	1838	45/65	0.81	0.46	157,168,174,179	0
14	CLA	X1	1701	45/65	0.81	0.38	169,175,181,182	0
14	CLA	A3	810	45/65	0.81	0.51	152,162,166,173	0
14	CLA	B6	826	65/65	0.82	0.81	155,165,174,178	0
14	CLA	B6	830	45/65	0.82	0.56	156,166,173,175	0
14	CLA	A4	818	65/65	0.82	0.51	158,169,173,174	0
14	CLA	A1	806	51/65	0.82	0.35	161,174,178,184	0
16	BCR	A3	851	40/40	0.82	0.64	150,152,168,173	0
14	CLA	J6	1102	45/65	0.82	0.37	159,166,174,178	0
14	CLA	B5	1841	47/65	0.82	0.52	150,161,167,169	0
16	BCR	F5	1302	40/40	0.82	0.86	152,162,178,180	0
14	CLA	A1	813	45/65	0.82	0.41	158,166,175,181	0
16	BCR	I1	102	40/40	0.82	0.43	150,156,162,169	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A4	822	51/65	0.82	0.31	153,173,179,183	0
14	CLA	K5	101	41/65	0.82	0.32	150,161,167,169	0
14	CLA	B3	1822	47/65	0.82	0.67	160,172,175,176	0
14	CLA	L5	206	65/65	0.82	0.49	150,156,171,173	0
16	BCR	J3	103	40/40	0.82	0.80	150,158,164,165	0
14	CLA	I1	101	65/65	0.82	0.53	150,151,162,166	0
14	CLA	B1	836	45/65	0.82	0.36	160,169,173,178	0
15	PQN	B1	842	33/33	0.82	0.58	154,161,168,173	0
14	CLA	A4	839	51/65	0.82	0.51	157,168,179,182	0
14	CLA	B4	841	47/65	0.82	0.79	161,174,179,179	0
14	CLA	B1	830	65/65	0.82	0.47	150,159,173,176	0
14	CLA	A4	803	59/65	0.82	0.46	160,166,175,179	0
14	CLA	B4	804	65/65	0.82	0.76	163,171,176,178	0
14	CLA	B1	807	65/65	0.82	0.44	155,168,179,187	0
14	CLA	A2	1617	45/65	0.82	0.30	153,163,174,177	0
14	CLA	B2	822	45/65	0.82	0.50	156,162,173,175	0
14	CLA	A4	813	45/65	0.82	0.24	163,173,179,185	0
14	CLA	B4	815	65/65	0.82	0.44	152,159,172,174	0
14	CLA	A6	1641	41/65	0.82	0.26	150,165,172,172	0
14	CLA	B6	811	45/65	0.82	0.38	153,163,169,174	0
14	CLA	B3	1837	45/65	0.82	0.31	155,168,174,178	0
14	CLA	B1	808	65/65	0.82	0.50	150,166,178,183	0
14	CLA	B3	1815	65/65	0.82	0.68	156,166,175,177	0
14	CLA	A4	835	51/65	0.83	0.46	152,161,168,175	0
14	CLA	M1	1201	54/65	0.83	0.43	155,166,175,180	0
16	BCR	A3	848	40/40	0.83	0.77	150,158,161,163	0
14	CLA	A6	1609	65/65	0.83	0.69	157,162,169,172	0
14	CLA	A3	816	49/65	0.83	0.54	150,168,179,186	0
14	CLA	A4	817	54/65	0.83	0.36	159,164,171,173	0
16	BCR	A3	856	40/40	0.83	0.52	150,156,163,164	0
14	CLA	B5	1830	65/65	0.83	0.65	154,162,168,170	0
14	CLA	A1	828	65/65	0.83	0.67	154,161,169,175	0
14	CLA	B5	1835	58/65	0.83	0.71	150,168,175,176	0
14	CLA	B2	824	46/65	0.83	0.70	150,161,167,169	0
14	CLA	A5	822	49/65	0.83	0.60	158,167,173,178	0
14	CLA	B4	835	58/65	0.83	0.55	150,163,179,182	0
14	CLA	A5	828	65/65	0.83	0.46	150,163,173,178	0
14	CLA	B5	1843	65/65	0.83	0.44	150,150,159,168	0
16	BCR	I3	101	40/40	0.83	0.53	150,150,161,162	0
14	CLA	B4	808	65/65	0.83	0.51	154,165,174,179	0
14	CLA	B1	815	65/65	0.83	0.34	159,172,183,190	0
14	CLA	B6	821	45/65	0.83	0.29	161,168,174,177	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
14	CLA	A2	1634	65/65	0.83	0.48	150,155,169,175	0
14	CLA	B6	824	54/65	0.83	0.73	151,159,166,168	0
14	CLA	A4	812	60/65	0.83	0.72	152,171,179,180	0
14	CLA	B3	1819	59/65	0.83	0.64	154,167,178,181	0
20	CA	L4	207	1/1	0.83	0.58	150,150,150,150	0
14	CLA	A4	826	65/65	0.83	0.44	150,164,174,176	0
14	CLA	B3	1832	45/65	0.83	0.29	153,164,178,189	0
14	CLA	A3	807	51/65	0.84	0.61	157,165,169,177	0
14	CLA	K5	102	45/65	0.84	0.29	152,165,171,174	0
14	CLA	B4	807	65/65	0.84	0.92	163,169,173,176	0
14	CLA	K3	1401	45/65	0.84	0.28	150,163,168,173	0
14	CLA	B2	834	45/65	0.84	0.25	158,166,172,173	0
14	CLA	B1	839	65/65	0.84	0.27	160,167,172,183	0
14	CLA	A6	1604	59/65	0.84	0.43	153,160,178,179	0
14	CLA	A5	837	65/65	0.84	0.38	151,160,168,173	0
14	CLA	A5	843	52/65	0.84	0.39	160,166,175,177	0
14	CLA	F2	202	45/65	0.84	0.40	150,174,180,184	0
14	CLA	A1	818	65/65	0.84	0.78	159,166,175,178	0
14	CLA	A6	1612	54/65	0.84	0.33	150,154,175,188	0
14	CLA	J2	101	45/65	0.84	0.65	160,171,177,178	0
14	CLA	B5	1816	65/65	0.84	0.37	150,169,176,180	0
14	CLA	B4	818	55/65	0.84	0.36	155,164,172,174	0
16	BCR	L2	201	40/40	0.84	0.39	150,151,160,163	0
14	CLA	B3	1813	45/65	0.84	0.53	151,160,165,167	0
14	CLA	A6	1651	65/65	0.84	0.85	150,155,165,167	0
14	CLA	B1	819	60/65	0.84	0.51	156,166,174,176	0
14	CLA	B6	815	45/65	0.84	0.38	160,167,176,181	0
14	CLA	B3	1816	65/65	0.84	0.42	159,165,173,180	0
14	CLA	A4	808	65/65	0.84	0.65	159,165,174,178	0
16	BCR	A3	852	40/40	0.84	0.84	150,156,159,160	0
17	LHG	A2	1654	27/49	0.84	0.37	150,154,166,169	0
14	CLA	B6	820	47/65	0.84	0.47	157,173,176,178	0
17	LHG	A3	853	49/49	0.84	0.91	150,154,165,168	0
14	CLA	L2	207	65/65	0.84	0.50	151,157,170,175	0
14	CLA	A4	836	65/65	0.84	0.41	150,162,171,175	0
14	CLA	B5	1828	65/65	0.84	0.53	150,158,166,168	0
14	CLA	A4	838	65/65	0.84	0.41	150,162,172,178	0
14	CLA	B5	1831	65/65	0.84	0.70	150,154,173,175	0
14	CLA	B4	830	65/65	0.84	0.48	150,166,171,174	0
14	CLA	B4	832	45/65	0.84	0.47	162,171,179,180	0
14	CLA	A4	811	54/65	0.84	0.41	158,163,172,173	0
14	CLA	B6	840	65/65	0.84	0.45	150,151,165,169	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
14	CLA	A2	1624	49/65	0.84	0.45	156,167,176,180	0
14	CLA	B3	1839	60/65	0.84	0.72	154,162,168,172	0
14	CLA	B5	1842	65/65	0.84	0.43	150,150,159,171	0
14	CLA	B4	803	65/65	0.84	0.61	150,157,173,177	0
14	CLA	B4	840	65/65	0.84	0.58	159,167,171,176	0
16	BCR	L6	204	40/40	0.84	0.48	150,151,163,164	0
14	CLA	B3	1820	60/65	0.84	0.69	150,159,166,166	0
14	CLA	B2	812	65/65	0.85	0.46	151,161,167,171	0
14	CLA	B3	1836	45/65	0.85	0.46	160,170,175,181	0
14	CLA	A4	837	47/65	0.85	0.43	150,157,161,164	0
14	CLA	A6	1638	47/65	0.85	0.48	150,156,166,170	0
14	CLA	A2	1619	54/65	0.85	0.40	156,164,170,171	0
14	CLA	A1	834	51/65	0.85	0.61	150,157,164,166	0
16	BCR	I1	103	40/40	0.85	0.81	150,152,167,169	0
14	CLA	B2	816	59/65	0.85	0.53	151,160,165,167	0
14	CLA	B6	812	45/65	0.85	0.34	157,169,173,177	0
14	CLA	B5	1809	65/65	0.85	0.45	150,154,160,166	0
14	CLA	B1	810	65/65	0.85	0.39	150,161,164,166	0
14	CLA	L5	203	65/65	0.85	0.44	150,154,161,184	0
14	CLA	A1	825	65/65	0.85	0.56	150,158,172,177	0
17	LHG	A1	849	27/49	0.85	0.21	162,166,171,172	0
14	CLA	B1	828	65/65	0.85	0.41	153,161,172,176	0
14	CLA	B4	805	65/65	0.85	0.35	152,160,168,170	0
14	CLA	A3	802	65/65	0.85	0.49	150,153,161,165	0
14	CLA	A2	1640	47/65	0.85	0.39	150,153,163,167	0
14	CLA	A2	1642	51/65	0.85	0.56	151,162,173,180	0
14	CLA	L1	207	65/65	0.85	0.41	150,155,163,167	0
14	CLA	B2	810	45/65	0.85	0.43	150,155,163,169	0
14	CLA	A3	820	61/65	0.85	0.82	150,154,168,171	0
17	LHG	A6	1649	49/49	0.85	0.66	150,161,166,168	0
14	CLA	B6	836	45/65	0.85	0.49	165,173,176,178	0
14	CLA	B4	814	45/65	0.85	0.26	162,168,176,178	0
16	BCR	B2	847	40/40	0.85	0.49	150,150,158,161	0
14	CLA	B2	835	45/65	0.85	0.40	156,171,176,179	0
14	CLA	A4	805	65/65	0.85	0.77	157,166,172,187	0
14	CLA	A4	830	50/65	0.85	0.50	150,164,172,173	0
14	CLA	A6	1606	65/65	0.85	0.41	150,150,163,167	0
14	CLA	A5	804	59/65	0.85	0.68	150,155,167,178	0
14	CLA	A3	832	65/65	0.85	0.44	150,150,171,172	0
14	CLA	B5	1833	49/65	0.85	0.79	150,156,168,175	0
14	CLA	A5	811	65/65	0.85	0.52	159,166,175,183	0
14	CLA	B4	820	60/65	0.85	0.43	150,160,169,171	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
14	CLA	B5	1837	45/65	0.85	0.49	162,167,182,190	0
14	CLA	A3	822	49/65	0.86	0.54	159,165,177,182	0
14	CLA	B1	829	65/65	0.86	0.59	159,171,175,177	0
14	CLA	B6	817	59/65	0.86	0.60	163,168,173,175	0
14	CLA	A3	824	59/65	0.86	0.47	150,150,167,173	0
14	CLA	B2	801	65/65	0.86	0.52	150,152,164,168	0
14	CLA	A3	844	41/65	0.86	0.42	150,159,167,173	0
14	CLA	A3	804	59/65	0.86	0.55	150,155,169,171	0
14	CLA	B4	810	65/65	0.86	0.38	151,157,163,164	0
14	CLA	B6	825	46/65	0.86	0.82	162,165,169,170	0
14	CLA	B5	1825	45/65	0.86	0.40	152,159,171,177	0
14	CLA	B3	1806	54/65	0.86	0.49	150,154,162,164	0
14	CLA	B6	829	65/65	0.86	0.42	150,159,166,171	0
14	CLA	B3	1807	65/65	0.86	0.75	150,159,165,169	0
14	CLA	A4	829	65/65	0.86	0.70	152,165,168,169	0
14	CLA	J4	102	37/65	0.86	0.40	150,160,166,166	0
14	CLA	B6	839	47/65	0.86	0.49	151,158,170,173	0
14	CLA	B3	1809	65/65	0.86	0.47	150,157,170,180	0
14	CLA	L4	201	65/65	0.86	0.43	151,157,162,165	0
14	CLA	L4	205	65/65	0.86	0.43	150,155,168,171	0
14	CLA	X4	102	45/65	0.86	0.39	165,175,181,182	0
14	CLA	B4	816	65/65	0.86	0.34	150,162,167,169	0
14	CLA	L6	208	65/65	0.86	0.53	150,157,166,168	0
14	CLA	M6	1201	54/65	0.86	0.43	150,160,165,168	0
14	CLA	A5	802	65/65	0.86	0.51	150,154,160,166	0
14	CLA	A4	831	65/65	0.86	0.36	150,156,171,172	0
14	CLA	A5	808	65/65	0.86	0.40	150,152,165,169	0
14	CLA	A2	1620	54/65	0.86	0.37	150,159,166,171	0
14	CLA	A2	1622	61/65	0.86	0.47	150,159,179,182	0
14	CLA	A4	810	65/65	0.86	0.32	157,172,177,184	0
14	CLA	A2	1623	65/65	0.86	0.60	150,159,164,170	0
14	CLA	A6	1613	60/65	0.86	0.57	150,161,167,169	0
14	CLA	A2	1641	65/65	0.86	0.57	150,161,172,173	0
14	CLA	A6	1618	54/65	0.86	0.73	155,162,169,175	0
14	CLA	B3	1841	47/65	0.86	0.42	150,160,164,171	0
14	CLA	A5	832	65/65	0.86	0.38	150,150,164,170	0
14	CLA	A5	835	45/65	0.86	0.34	156,162,166,170	0
14	CLA	B3	1818	55/65	0.86	0.48	156,161,172,178	0
16	BCR	M2	1202	40/40	0.86	0.40	150,157,162,163	0
14	CLA	A5	840	51/65	0.86	0.81	156,161,172,182	0
14	CLA	A3	817	54/65	0.86	0.59	150,156,161,164	0
14	CLA	B4	802	65/65	0.86	0.60	158,170,177,177	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B5	1802	65/65	0.86	0.56	158,167,171,179	0
14	CLA	B5	1808	65/65	0.86	0.67	152,159,169,174	0
14	CLA	B6	802	65/65	0.86	0.56	150,152,164,173	0
14	CLA	B5	1812	65/65	0.86	0.42	150,156,171,174	0
14	CLA	B6	806	65/65	0.86	0.65	150,161,171,173	0
14	CLA	B4	828	65/65	0.86	0.69	150,161,168,170	0
14	CLA	A2	1611	65/65	0.86	0.68	154,162,168,174	0
14	CLA	J3	101	45/65	0.87	0.46	167,174,182,190	0
14	CLA	B2	819	47/65	0.87	0.51	162,165,175,176	0
14	CLA	A5	803	65/65	0.87	0.62	150,156,175,176	0
14	CLA	A1	801	65/65	0.87	0.69	151,160,166,172	0
14	CLA	B6	813	65/65	0.87	0.55	159,171,176,181	0
14	CLA	B6	814	65/65	0.87	0.51	150,162,179,188	0
14	CLA	A2	1643	65/65	0.87	0.73	150,159,168,170	0
14	CLA	A5	814	45/65	0.87	0.38	150,156,161,162	0
14	CLA	L3	203	65/65	0.87	0.39	150,157,165,173	0
14	CLA	B4	801	65/65	0.87	0.42	150,159,164,171	0
16	BCR	L4	206	40/40	0.87	0.41	150,159,166,168	0
14	CLA	B6	818	60/65	0.87	0.61	150,159,169,172	0
14	CLA	A3	845	52/65	0.87	0.30	156,160,169,177	0
14	CLA	B1	809	65/65	0.87	0.35	150,156,173,174	0
16	BCR	L5	207	40/40	0.87	0.48	150,156,168,170	0
14	CLA	A5	826	65/65	0.87	0.60	150,152,162,164	0
14	CLA	A1	807	65/65	0.87	0.45	150,158,169,172	0
14	CLA	B2	806	65/65	0.87	0.41	150,153,165,167	0
14	CLA	A1	835	65/65	0.87	0.42	150,163,168,171	0
14	CLA	A5	836	51/65	0.87	0.56	150,150,158,163	0
14	CLA	B5	1840	65/65	0.87	0.54	150,158,167,170	0
14	CLA	A2	1632	65/65	0.87	0.70	150,157,162,163	0
14	CLA	B3	1835	58/65	0.87	0.49	153,162,174,176	0
14	CLA	A3	813	60/65	0.87	0.55	150,153,164,172	0
14	CLA	B4	833	49/65	0.87	0.57	151,159,172,175	0
14	CLA	B1	806	65/65	0.87	0.35	150,156,162,168	0
14	CLA	B5	1804	65/65	0.87	0.45	154,161,165,168	0
14	CLA	B5	1805	65/65	0.87	0.40	151,157,166,169	0
14	CLA	B5	1806	54/65	0.87	0.39	150,152,162,166	0
16	BCR	L3	206	40/40	0.87	0.48	150,150,156,158	0
14	CLA	B2	840	65/65	0.87	0.39	150,152,159,164	0
14	CLA	B4	812	65/65	0.87	0.46	150,154,166,168	0
14	CLA	A6	1623	51/65	0.87	0.54	160,165,174,180	0
14	CLA	A6	1625	65/65	0.87	0.64	150,158,167,171	0
14	CLA	J6	1101	65/65	0.87	0.50	150,159,168,171	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
14	CLA	A2	1638	51/65	0.87	0.43	150,150,157,165	0
14	CLA	A1	829	65/65	0.87	0.66	158,167,171,172	0
14	CLA	B1	833	65/65	0.87	0.35	158,167,175,185	0
14	CLA	L6	203	65/65	0.87	0.45	150,150,162,167	0
14	CLA	B4	842	65/65	0.87	0.41	150,154,165,168	0
14	CLA	B4	825	45/65	0.88	0.35	152,162,168,174	0
14	CLA	B6	833	58/65	0.88	0.66	150,155,176,180	0
14	CLA	B5	1807	65/65	0.88	0.70	152,160,170,178	0
14	CLA	B6	835	45/65	0.88	0.47	160,172,177,183	0
14	CLA	B2	804	65/65	0.88	0.42	150,154,166,171	0
14	CLA	B5	1811	65/65	0.88	0.44	150,150,166,170	0
16	BCR	L6	209	40/40	0.88	0.50	150,153,163,167	0
14	CLA	B6	837	60/65	0.88	0.68	153,166,171,179	0
14	CLA	B6	838	65/65	0.88	0.39	150,158,171,172	0
14	CLA	A6	1615	45/65	0.88	0.60	150,161,166,169	0
14	CLA	A3	812	54/65	0.88	0.57	150,155,174,178	0
14	CLA	A6	1617	54/65	0.88	0.54	150,156,163,165	0
14	CLA	A2	1621	65/65	0.88	0.43	150,159,168,170	0
14	CLA	B3	1814	45/65	0.88	0.30	159,168,173,180	0
14	CLA	A3	814	45/65	0.88	0.39	150,154,167,178	0
14	CLA	B3	1842	65/65	0.88	0.41	150,150,160,166	0
14	CLA	A6	1626	65/65	0.88	0.49	150,150,161,163	0
14	CLA	A6	1635	45/65	0.88	0.26	150,156,162,166	0
14	CLA	B4	834	65/65	0.88	0.51	157,165,176,179	0
14	CLA	A3	815	45/65	0.88	0.57	158,167,169,174	0
14	CLA	A1	830	50/65	0.88	0.30	155,165,171,173	0
14	CLA	L1	201	65/65	0.88	0.43	150,158,171,173	0
14	CLA	A5	806	65/65	0.88	0.84	157,163,174,178	0
14	CLA	A5	807	51/65	0.88	0.34	156,163,167,175	0
14	CLA	A3	818	54/65	0.88	0.62	150,153,159,163	0
14	CLA	B6	809	65/65	0.88	0.46	150,155,163,170	0
14	CLA	L2	202	65/65	0.88	0.42	150,151,159,167	0
14	CLA	A5	812	54/65	0.88	0.63	150,160,180,188	0
14	CLA	A5	813	60/65	0.88	0.49	150,159,167,168	0
14	CLA	A4	823	59/65	0.88	0.42	150,162,176,184	0
14	CLA	L1	202	65/65	0.88	0.40	150,152,159,167	0
14	CLA	B4	843	65/65	0.88	0.40	150,154,166,169	0
14	CLA	A5	817	54/65	0.88	0.55	153,162,168,170	0
14	CLA	B2	831	65/65	0.88	0.57	150,155,167,169	0
14	CLA	X2	1701	45/65	0.88	0.40	162,170,173,177	0
14	CLA	A4	827	65/65	0.88	0.60	159,170,176,180	0
14	CLA	A4	828	65/65	0.88	0.56	150,158,172,176	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A3	825	65/65	0.88	0.67	150,157,165,171	0
14	CLA	A5	830	65/65	0.88	0.65	150,159,165,169	0
14	CLA	J5	102	37/65	0.88	0.62	150,158,163,165	0
14	CLA	L1	206	65/65	0.88	0.40	150,153,165,169	0
14	CLA	B1	804	65/65	0.88	0.70	153,161,175,177	0
14	CLA	A3	805	65/65	0.88	0.69	150,150,167,170	0
14	CLA	B3	1829	65/65	0.88	0.49	150,154,166,171	0
14	CLA	A5	838	47/65	0.88	0.49	150,158,165,168	0
14	CLA	B3	1830	65/65	0.88	0.43	150,156,165,171	0
14	CLA	A1	817	54/65	0.88	0.53	151,161,168,169	0
14	CLA	B6	827	65/65	0.88	0.70	150,156,165,170	0
14	CLA	B3	1804	65/65	0.88	0.73	150,155,162,163	0
15	PQN	B2	841	33/33	0.88	0.45	150,152,165,167	0
15	PQN	A3	846	33/33	0.88	1.08	150,156,160,161	0
14	CLA	B5	1803	65/65	0.88	0.60	150,155,170,173	0
14	CLA	A2	1633	50/65	0.88	0.46	150,157,164,168	0
14	CLA	B5	1810	65/65	0.89	0.43	150,150,169,176	0
14	CLA	A3	837	51/65	0.89	0.47	150,150,152,161	0
14	CLA	A3	839	47/65	0.89	0.40	150,152,156,159	0
14	CLA	B2	833	45/65	0.89	0.49	150,165,171,173	0
14	CLA	A5	809	65/65	0.89	0.49	150,153,165,167	0
14	CLA	B1	811	65/65	0.89	0.40	150,150,165,168	0
14	CLA	A2	1628	65/65	0.89	0.43	150,150,167,171	0
14	CLA	B3	1802	65/65	0.89	0.62	151,157,168,172	0
14	CLA	A2	1629	65/65	0.89	0.46	150,158,169,174	0
14	CLA	A6	1621	65/65	0.89	0.58	150,153,165,171	0
14	CLA	B2	839	65/65	0.89	0.38	150,154,163,167	0
15	PQN	A6	1642	33/33	0.89	0.98	150,160,166,170	0
14	CLA	B3	1834	65/65	0.89	0.66	152,159,168,170	0
16	BCR	I5	102	40/40	0.89	0.47	150,150,169,171	0
14	CLA	A2	1613	65/65	0.89	0.59	151,161,170,174	0
14	CLA	B6	832	65/65	0.89	0.57	150,158,173,175	0
14	CLA	A6	1630	65/65	0.89	0.42	150,154,160,161	0
16	BCR	L2	208	40/40	0.89	0.44	150,150,161,165	0
14	CLA	A2	1604	65/65	0.89	0.73	150,158,170,174	0
14	CLA	B2	820	45/65	0.89	0.40	163,167,179,190	0
14	CLA	A5	827	65/65	0.89	0.63	151,157,165,166	0
14	CLA	B2	802	65/65	0.89	0.65	150,155,169,172	0
14	CLA	B5	1829	65/65	0.89	0.63	150,156,169,170	0
14	CLA	A5	829	65/65	0.89	0.64	150,158,166,168	0
14	CLA	B2	803	65/65	0.89	0.42	150,153,157,160	0
14	CLA	B2	823	54/65	0.89	0.46	150,154,165,174	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B6	805	65/65	0.89	0.45	150,154,161,163	0
14	CLA	B5	1834	65/65	0.89	0.59	154,160,168,169	0
14	CLA	A2	1608	65/65	0.89	0.60	150,152,165,173	0
14	CLA	B6	807	65/65	0.89	0.49	151,159,166,168	0
14	CLA	B2	827	65/65	0.89	0.42	150,156,164,166	0
14	CLA	J6	1103	37/65	0.89	0.29	150,157,165,166	0
14	CLA	A5	841	65/65	0.89	0.64	150,154,168,175	0
14	CLA	A2	1637	45/65	0.89	0.31	152,156,167,173	0
14	CLA	A2	1609	51/65	0.89	0.42	156,163,173,174	0
16	BCR	I3	102	40/40	0.89	0.47	150,152,159,165	0
14	CLA	A3	803	65/65	0.89	0.64	150,160,167,169	0
14	CLA	L6	207	65/65	0.89	0.45	150,150,166,169	0
14	CLA	A4	820	65/65	0.89	0.53	155,163,172,177	0
14	CLA	A3	826	65/65	0.89	0.46	150,150,165,169	0
20	CA	L1	204	1/1	0.89	0.72	150,150,150,150	0
20	CA	L1	208	1/1	0.89	0.63	150,150,150,150	0
14	CLA	A6	1607	51/65	0.89	0.34	157,163,166,168	0
14	CLA	A1	832	54/65	0.89	0.51	154,161,172,180	0
14	CLA	B4	831	65/65	0.89	0.48	150,153,168,172	0
14	CLA	A5	805	65/65	0.89	0.63	150,162,170,172	0
14	CLA	A6	1627	65/65	0.90	0.55	150,156,175,176	0
14	CLA	B2	809	65/65	0.90	0.43	150,154,162,168	0
14	CLA	A6	1633	65/65	0.90	0.40	150,155,163,172	0
14	CLA	B2	836	60/65	0.90	0.51	154,159,166,168	0
14	CLA	A6	1636	51/65	0.90	0.48	150,150,159,167	0
14	CLA	A3	801	65/65	0.90	0.66	150,156,168,172	0
14	CLA	A5	831	50/65	0.90	0.50	156,161,167,170	0
14	CLA	A6	1639	51/65	0.90	0.48	150,155,165,173	0
14	CLA	A6	1640	65/65	0.90	0.71	150,155,170,178	0
14	CLA	B2	825	65/65	0.90	0.66	150,155,168,177	0
14	CLA	A4	841	65/65	0.90	0.43	150,155,167,171	0
14	CLA	B3	1805	65/65	0.90	0.47	150,154,161,169	0
14	CLA	B6	804	65/65	0.90	0.67	150,156,170,174	0
14	CLA	A3	819	65/65	0.90	0.64	150,156,166,176	0
14	CLA	A5	842	65/65	0.90	0.41	150,155,162,167	0
14	CLA	B2	826	65/65	0.90	0.43	150,156,167,170	0
14	CLA	A2	1610	65/65	0.90	0.88	150,159,166,168	0
14	CLA	A6	1603	65/65	0.90	0.64	151,159,173,176	0
14	CLA	B6	810	65/65	0.90	0.41	150,151,159,166	0
14	CLA	B3	1810	65/65	0.90	0.39	150,155,172,175	0
14	CLA	A4	801	65/65	0.90	0.43	150,159,166,167	0
14	CLA	B4	829	65/65	0.90	0.40	150,158,170,174	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
14	CLA	B2	811	45/65	0.90	0.29	150,160,169,175	0
14	CLA	A2	1626	59/65	0.90	0.52	150,152,165,167	0
14	CLA	A6	1611	65/65	0.90	0.43	156,161,167,170	0
14	CLA	B2	813	65/65	0.90	0.41	155,160,169,173	0
14	CLA	B2	832	58/65	0.90	0.55	156,167,180,182	0
14	CLA	L5	204	65/65	0.90	0.40	150,159,167,172	0
14	CLA	A3	827	65/65	0.90	0.60	150,150,166,167	0
14	CLA	A4	807	65/65	0.90	0.68	151,162,174,175	0
14	CLA	A3	811	65/65	0.90	0.51	152,163,169,173	0
14	CLA	B6	822	55/65	0.90	0.22	154,165,172,173	0
14	CLA	A2	1636	54/65	0.90	0.41	150,150,160,165	0
14	CLA	A6	1619	65/65	0.90	0.64	150,159,169,176	0
14	CLA	L2	206	65/65	0.90	0.41	150,151,167,169	0
14	CLA	A4	832	65/65	0.90	0.38	150,154,162,163	0
14	CLA	A4	833	54/65	0.90	0.32	150,157,168,169	0
14	CLA	B6	828	65/65	0.90	0.66	150,161,170,173	0
14	CLA	B2	808	65/65	0.90	0.39	150,156,165,169	0
14	CLA	B3	1843	65/65	0.90	0.41	150,150,154,156	0
14	CLA	A3	821	65/65	0.91	0.60	150,150,160,171	0
14	CLA	B3	1827	46/65	0.91	0.51	150,164,170,172	0
14	CLA	L4	204	65/65	0.91	0.46	150,153,166,171	0
14	CLA	B3	1811	65/65	0.91	0.44	150,151,166,167	0
14	CLA	A6	1629	65/65	0.91	0.50	150,150,158,159	0
14	CLA	A5	834	54/65	0.91	0.43	150,157,162,167	0
14	CLA	B3	1812	65/65	0.91	0.43	150,151,160,163	0
14	CLA	A2	1639	65/65	0.91	0.35	150,156,169,171	0
14	CLA	L3	204	65/65	0.91	0.41	150,150,164,166	0
14	CLA	A3	840	65/65	0.91	0.86	154,163,170,175	0
14	CLA	A5	839	65/65	0.91	0.64	154,159,167,175	0
14	CLA	A6	1637	65/65	0.91	0.35	150,154,165,171	0
14	CLA	A3	841	51/65	0.91	0.60	150,154,165,175	0
14	CLA	A2	1630	65/65	0.91	0.61	152,159,172,173	0
14	CLA	B4	836	45/65	0.91	0.26	150,165,171,173	0
14	CLA	A2	1635	65/65	0.91	0.42	150,152,157,160	0
14	CLA	A4	840	65/65	0.91	0.65	150,157,171,175	0
17	LHG	A4	851	27/49	0.91	0.31	160,171,177,179	0
14	CLA	A2	1631	65/65	0.91	0.62	150,154,163,164	0
14	CLA	B6	803	65/65	0.91	0.69	157,163,168,173	0
14	CLA	B2	805	65/65	0.91	0.48	154,161,167,174	0
14	CLA	A6	1614	45/65	0.91	0.40	158,164,171,181	0
14	CLA	B6	834	45/65	0.91	0.33	157,166,173,175	0
14	CLA	B3	1803	65/65	0.91	0.71	150,152,164,165	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A2	1603	65/65	0.91	0.39	150,156,163,167	0
14	CLA	B3	1840	65/65	0.91	0.60	151,158,170,173	0
14	CLA	A3	830	65/65	0.91	0.53	150,156,163,167	0
14	CLA	A3	831	50/65	0.91	0.50	150,155,163,168	0
14	CLA	A5	821	65/65	0.91	0.59	150,158,166,171	0
14	CLA	A2	1614	54/65	0.91	0.26	151,156,168,171	0
14	CLA	A5	823	51/65	0.91	0.42	160,164,176,179	0
14	CLA	A5	824	59/65	0.91	0.53	150,150,162,166	0
14	CLA	B6	841	65/65	0.91	0.38	150,150,156,162	0
14	CLA	A3	835	54/65	0.91	0.45	150,150,160,164	0
14	CLA	A6	1622	49/65	0.91	0.35	160,167,175,177	0
14	CLA	A6	1631	50/65	0.92	0.51	150,155,161,166	0
14	CLA	A6	1632	65/65	0.92	0.42	150,150,156,160	0
14	CLA	A3	829	65/65	0.92	0.45	150,150,157,161	0
17	LHG	A3	854	27/49	0.92	0.26	150,151,164,167	0
14	CLA	A6	1634	54/65	0.92	0.44	150,151,164,166	0
14	CLA	B1	841	65/65	0.92	0.40	150,154,159,162	0
14	CLA	X6	1701	45/65	0.92	0.33	162,168,175,176	0
14	CLA	A1	839	65/65	0.92	0.47	150,152,159,163	0
14	CLA	B2	837	65/65	0.92	0.39	150,159,167,169	0
17	LHG	A6	1650	27/49	0.92	0.32	150,157,163,170	0
14	CLA	A6	1602	65/65	0.92	0.49	150,152,160,168	0
14	CLA	A1	831	65/65	0.92	0.42	150,151,158,162	0
14	CLA	L5	205	65/65	0.92	0.39	150,155,167,169	0
18	SF4	C5	101	8/8	0.92	0.14	150,150,150,150	0
14	CLA	A3	836	45/65	0.92	0.32	153,162,167,172	0
14	CLA	L2	205	65/65	0.92	0.39	150,158,163,166	0
14	CLA	A2	1644	65/65	0.92	0.41	150,155,163,168	0
14	CLA	A6	1608	65/65	0.92	0.59	150,155,161,162	0
14	CLA	A5	833	65/65	0.92	0.46	150,150,154,160	0
14	CLA	B2	817	60/65	0.92	0.52	150,158,166,169	0
14	CLA	A3	808	65/65	0.92	0.62	150,150,166,167	0
14	CLA	I6	101	65/65	0.92	0.45	150,155,171,173	0
14	CLA	A3	843	65/65	0.92	0.45	150,150,160,167	0
14	CLA	B2	828	65/65	0.92	0.58	150,159,168,169	0
14	CLA	A3	828	65/65	0.92	0.52	150,157,167,171	0
14	CLA	B6	808	65/65	0.92	0.45	150,156,166,173	0
21	FES	P4	101	4/4	0.92	0.10	164,168,172,180	0
14	CLA	B3	1808	65/65	0.93	0.63	150,160,168,175	0
18	SF4	C1	102	8/8	0.93	0.12	150,157,164,164	0
14	CLA	A6	1628	65/65	0.93	0.46	150,152,167,169	0
14	CLA	L4	203	65/65	0.93	0.42	150,150,169,171	0

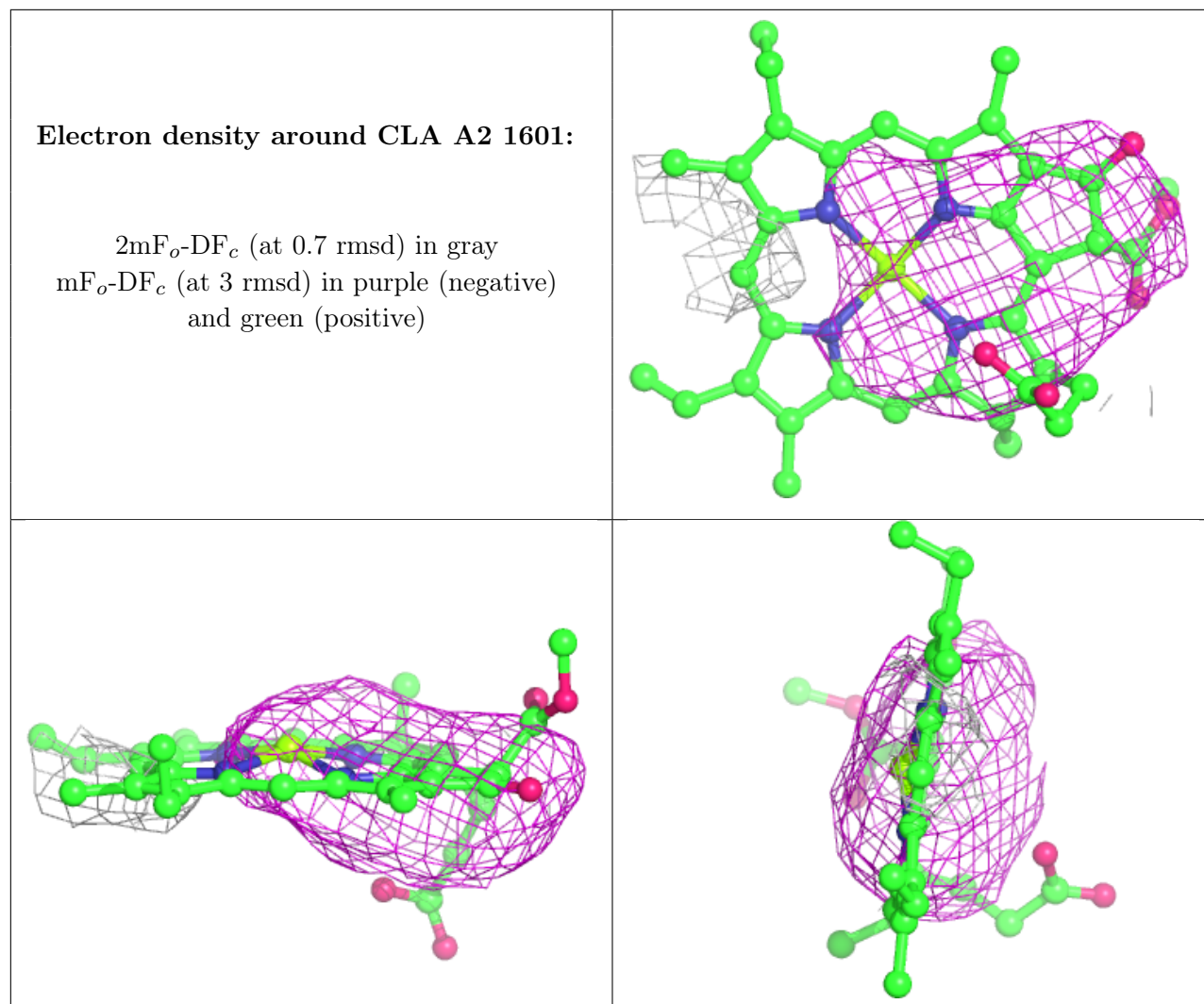
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A3	806	65/65	0.93	0.45	150,157,163,169	0
14	CLA	A2	1616	45/65	0.93	0.23	152,158,166,168	0
14	CLA	A3	833	65/65	0.93	0.41	150,150,156,161	0
14	CLA	A3	842	65/65	0.93	0.59	150,155,162,163	0
14	CLA	A2	1602	65/65	0.93	0.40	150,152,161,162	0
14	CLA	B1	854	65/65	0.93	0.39	150,151,165,174	0
14	CLA	A6	1624	59/65	0.93	0.51	150,150,167,171	0
14	CLA	B2	807	65/65	0.93	0.38	150,157,161,163	0
14	CLA	A6	1605	65/65	0.93	0.47	150,150,168,172	0
14	CLA	A5	818	54/65	0.93	0.41	150,155,165,168	0
14	CLA	A5	819	65/65	0.93	0.52	150,158,164,166	0
17	LHG	A5	852	27/49	0.93	0.38	154,162,172,174	0
14	CLA	A3	834	65/65	0.94	0.42	150,156,166,169	0
14	CLA	B3	1831	65/65	0.94	0.50	150,156,168,173	0
20	CA	L4	202	1/1	0.94	0.61	150,150,150,150	0
14	CLA	A5	801	65/65	0.94	0.51	150,153,162,165	0
14	CLA	L6	206	65/65	0.94	0.38	150,155,167,174	0
14	CLA	L1	205	65/65	0.94	0.36	150,150,157,161	0
14	CLA	A3	838	65/65	0.94	0.36	150,156,165,167	0
18	SF4	C5	102	8/8	0.95	0.10	150,150,154,154	0
18	SF4	C2	102	8/8	0.95	0.11	150,150,155,155	0
18	SF4	C1	101	8/8	0.95	0.12	150,150,150,153	0
18	SF4	C6	102	8/8	0.96	0.13	150,150,150,150	0
18	SF4	A5	854	8/8	0.96	0.15	150,150,150,150	0
18	SF4	A2	1655	8/8	0.96	0.18	150,150,150,150	0
18	SF4	A1	850	8/8	0.96	0.13	150,150,152,156	0
18	SF4	A4	852	8/8	0.96	0.10	150,150,152,153	0
21	FES	P2	101	4/4	0.96	0.10	160,160,163,168	0
18	SF4	C6	101	8/8	0.96	0.15	150,150,150,150	0
21	FES	P6	101	4/4	0.96	0.16	155,158,163,170	0
18	SF4	C2	101	8/8	0.97	0.17	150,150,150,150	0
18	SF4	C4	101	8/8	0.97	0.12	150,150,150,151	0
18	SF4	C4	102	8/8	0.97	0.08	150,150,159,159	0
18	SF4	C3	101	8/8	0.98	0.18	150,150,150,150	0
18	SF4	C3	102	8/8	0.98	0.17	150,150,150,150	0
21	FES	P3	101	4/4	0.98	0.12	150,150,150,150	0
18	SF4	B6	801	8/8	0.98	0.17	150,150,150,150	0
18	SF4	A3	855	8/8	0.98	0.20	150,150,150,150	0
21	FES	P5	101	4/4	0.98	0.12	161,161,167,168	0

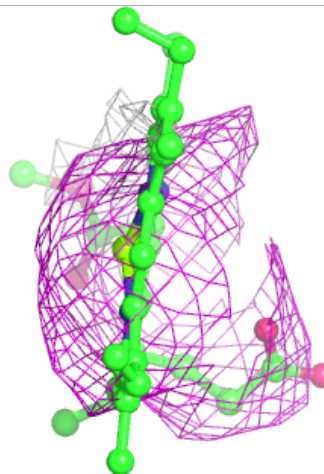
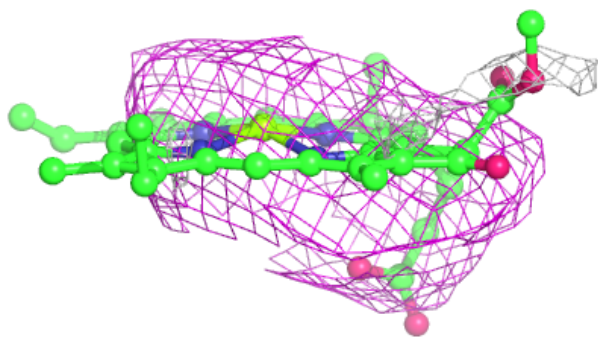
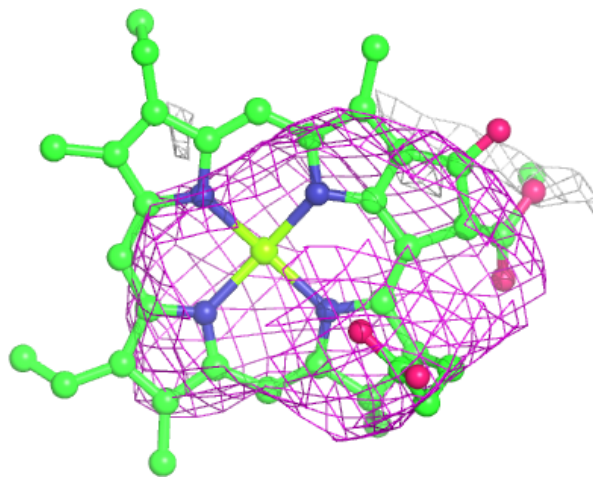
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different

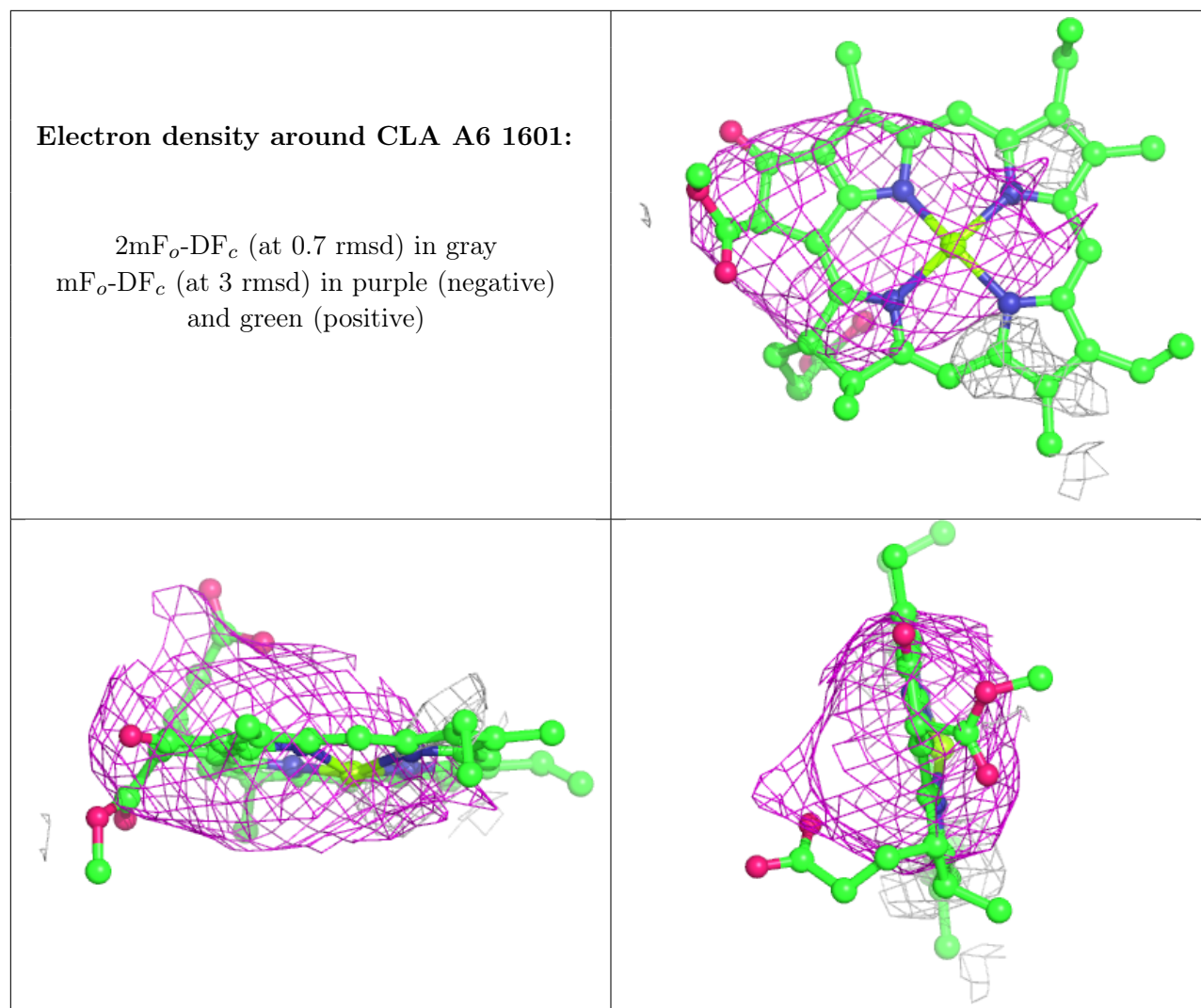
orientation to approximate a three-dimensional view.



**Electron density around CLA A4 853:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

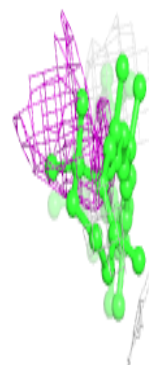
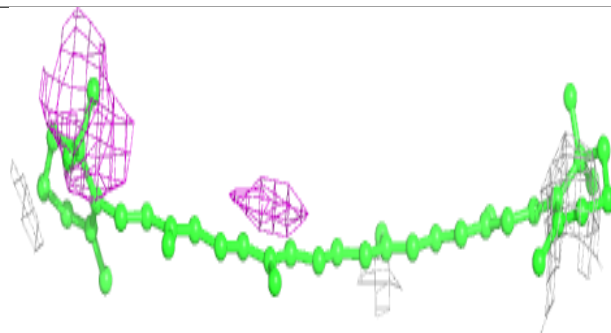
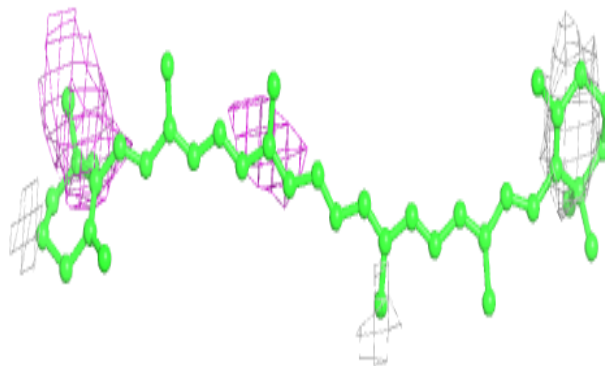




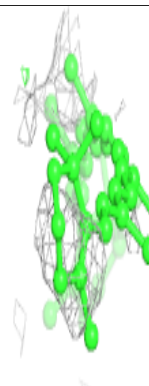
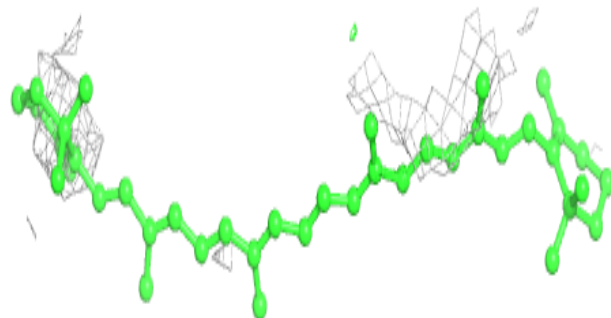
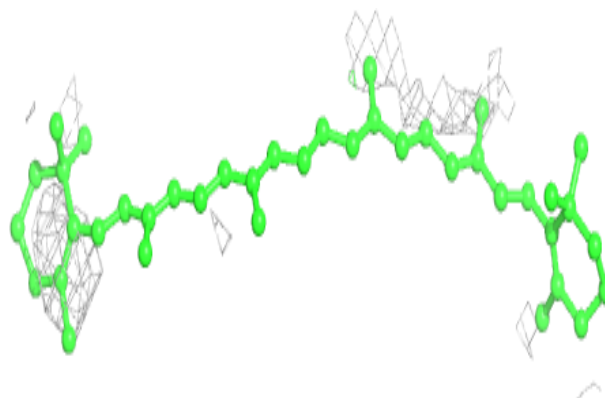


**Electron density around BCR B4 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

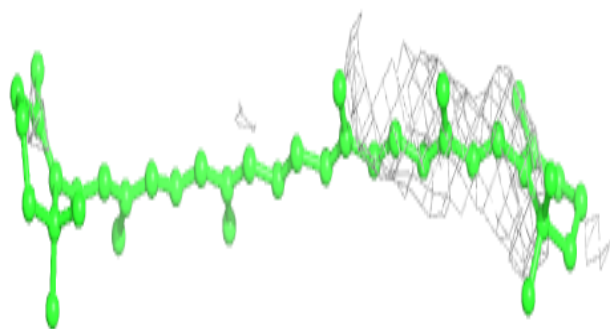
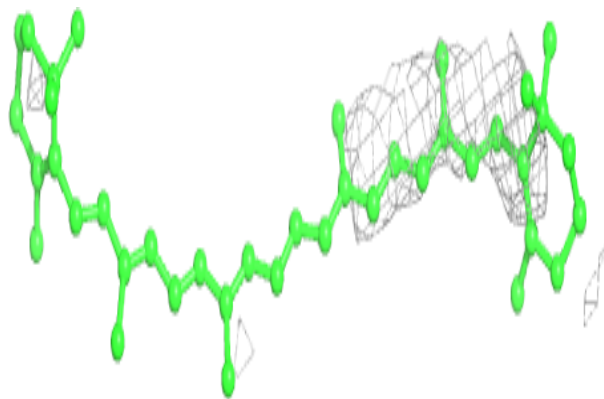
**Electron density around BCR J1 104:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

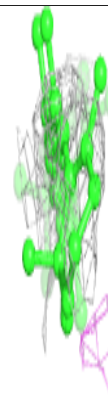
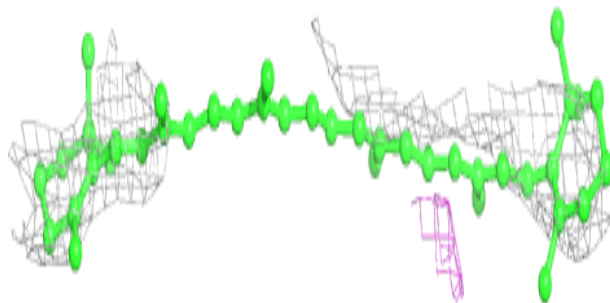
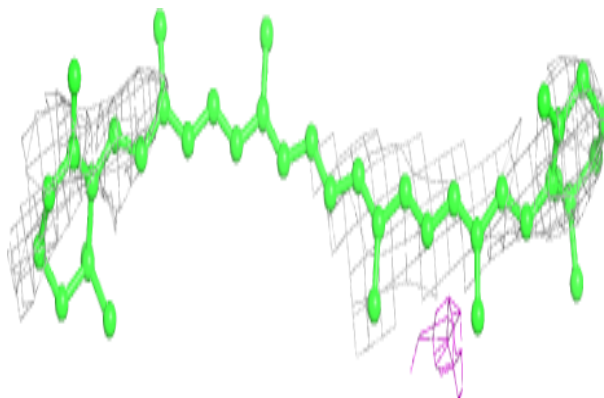


**Electron density around BCR B1 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A6 1646:**

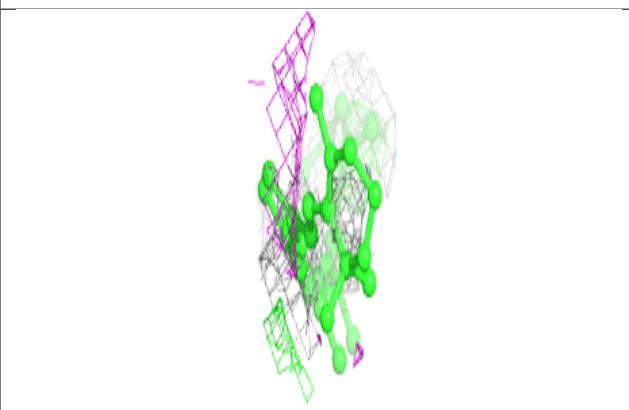
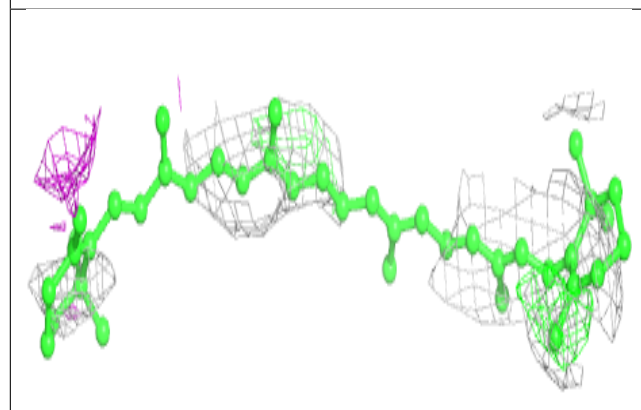
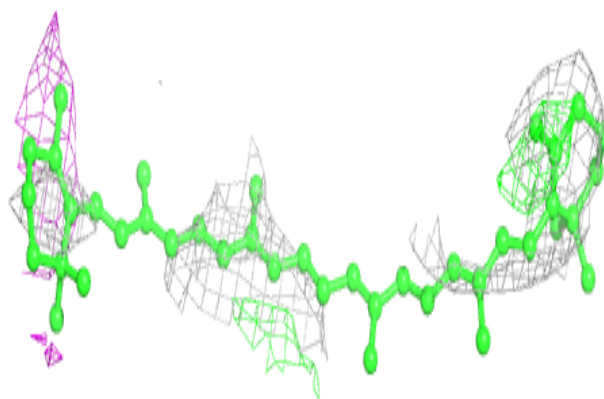
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



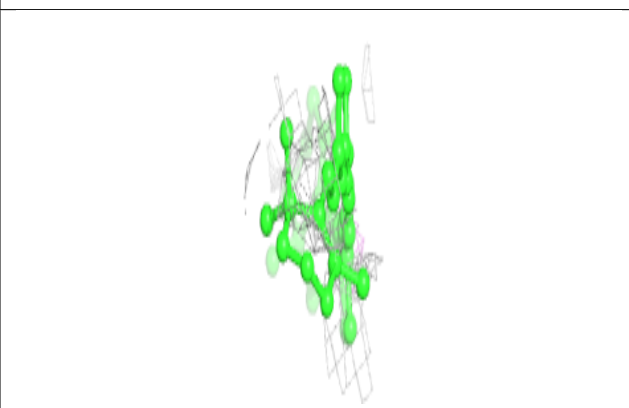
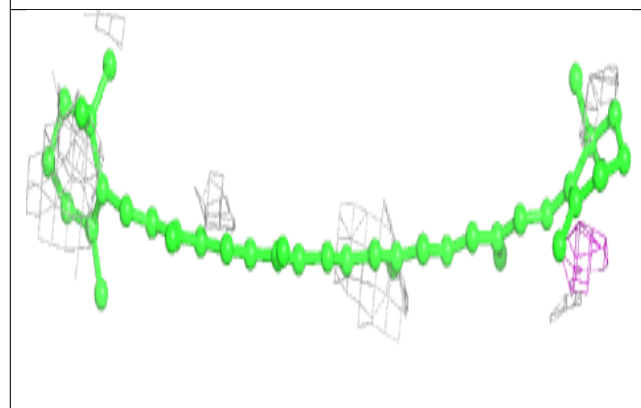
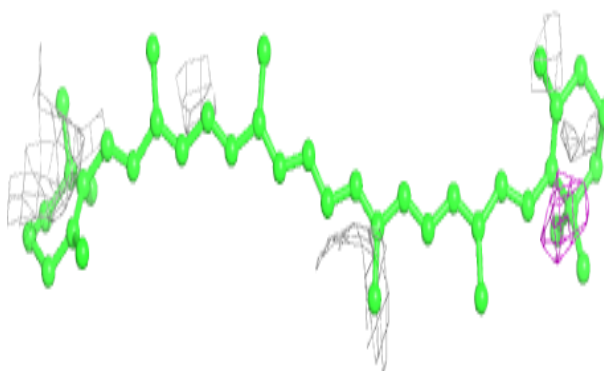


**Electron density around BCR M4 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

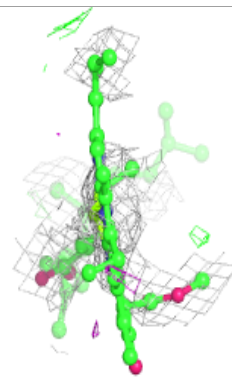
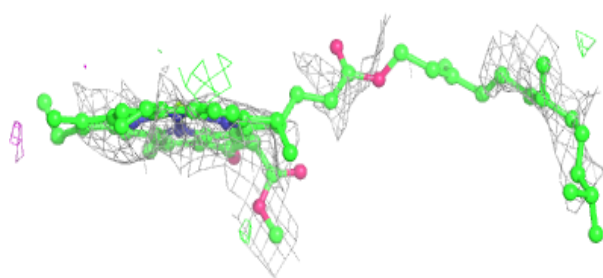
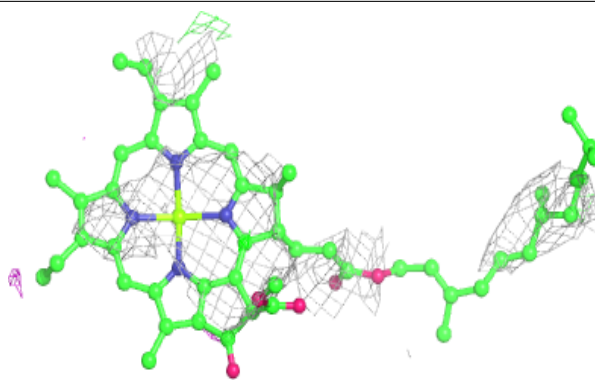
**Electron density around BCR A4 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

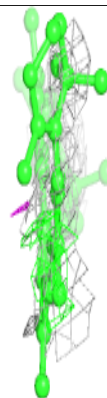
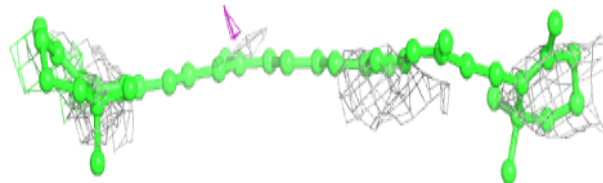
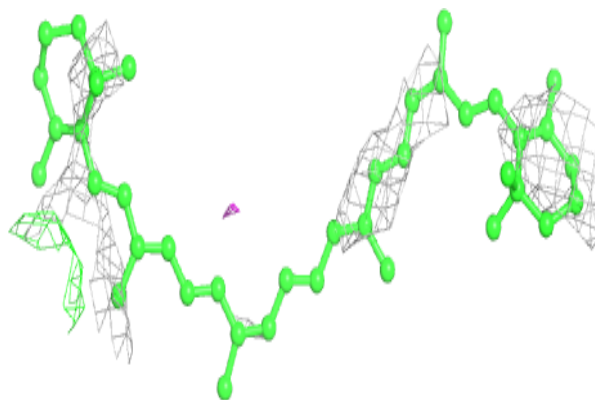


**Electron density around CLA B1 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

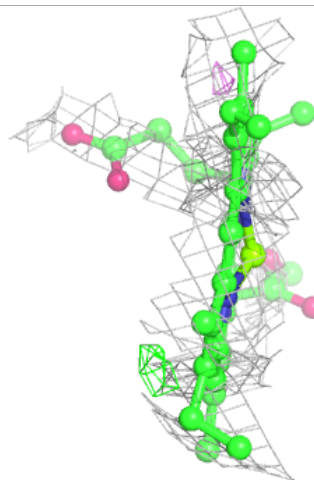
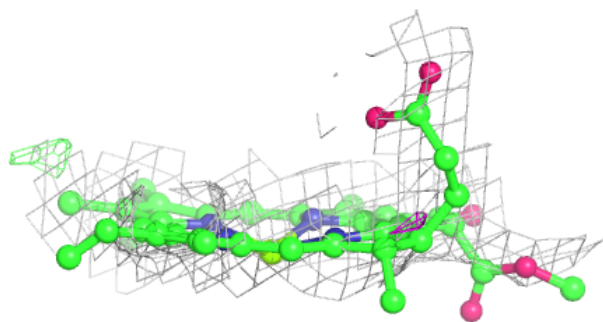
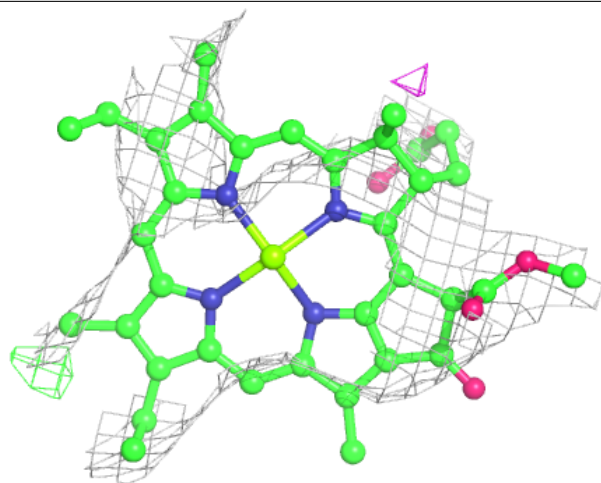
**Electron density around BCR A1 847:**

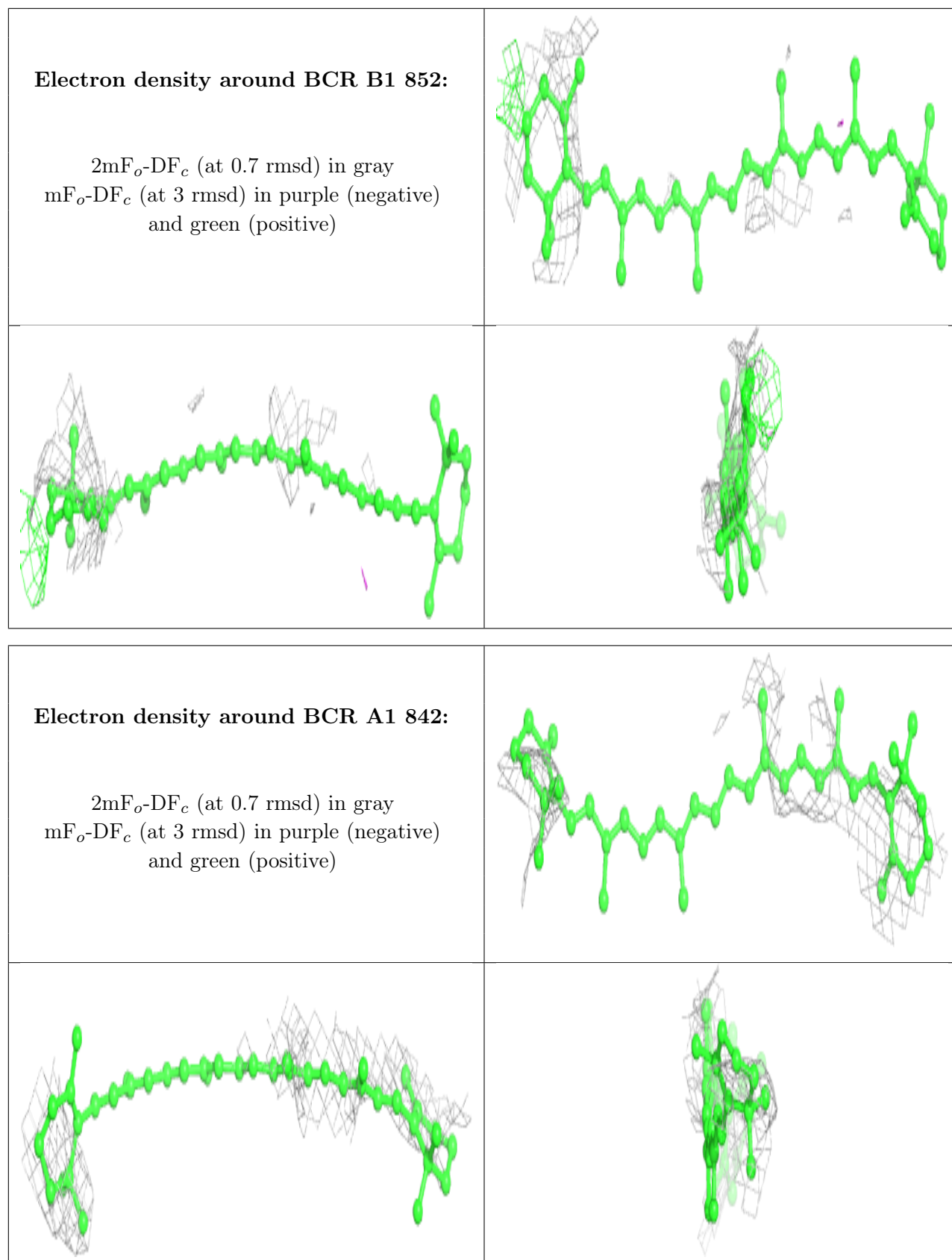
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

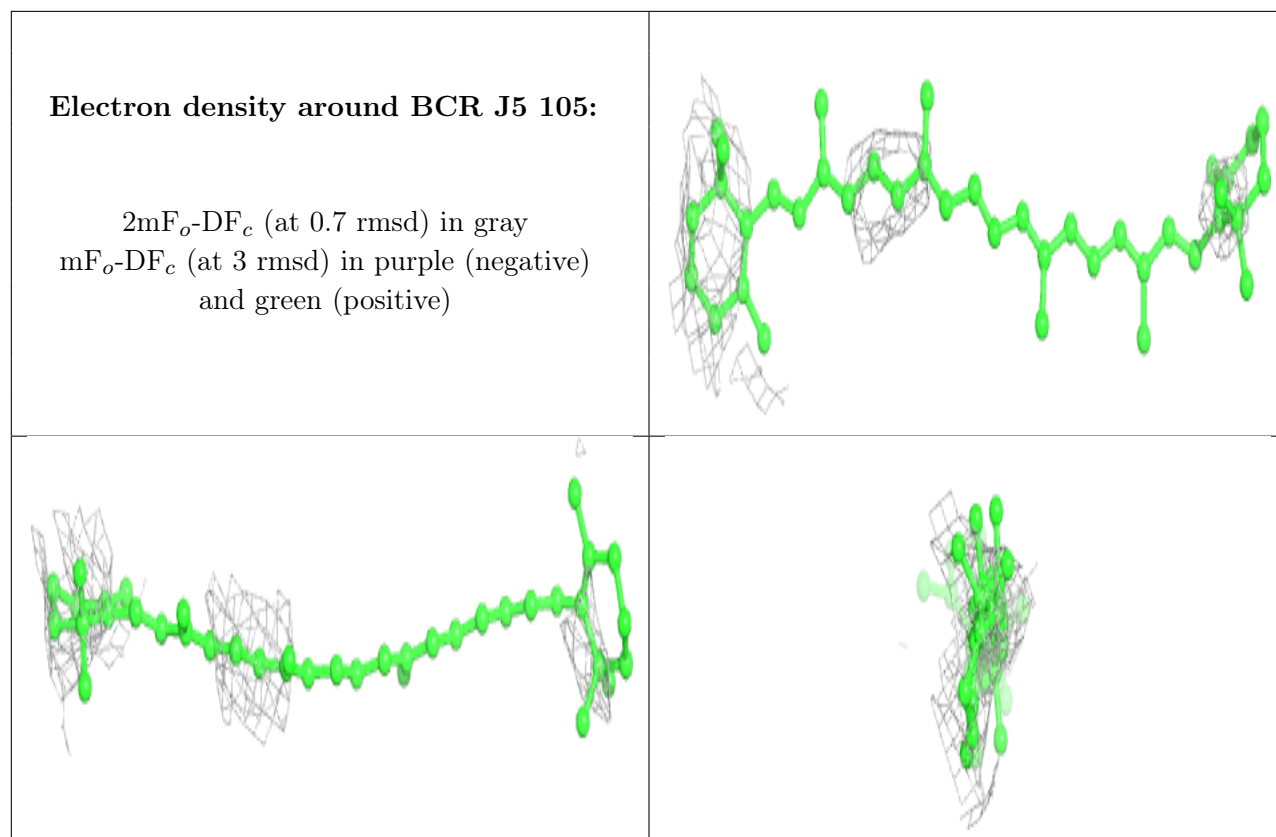


**Electron density around CLA A1 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

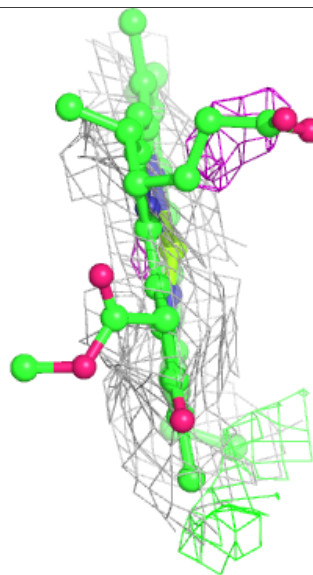
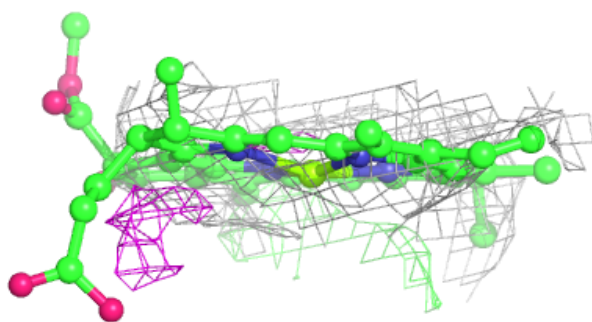
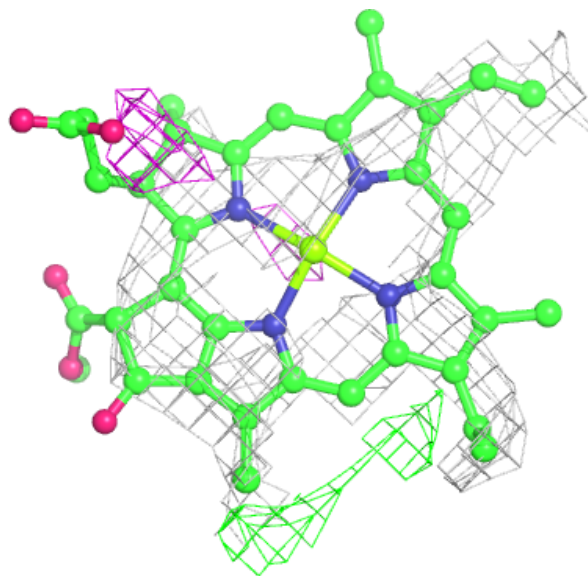






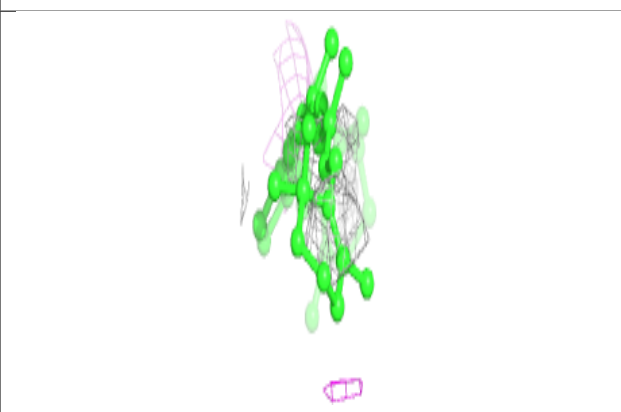
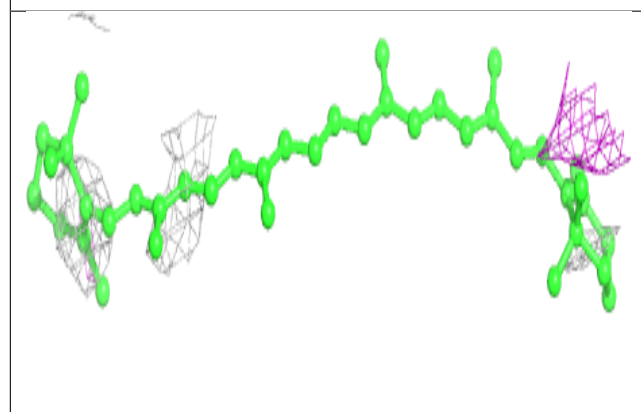
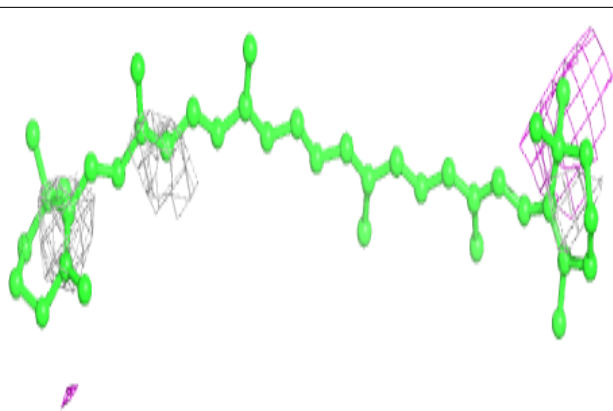
**Electron density around CLA J1 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

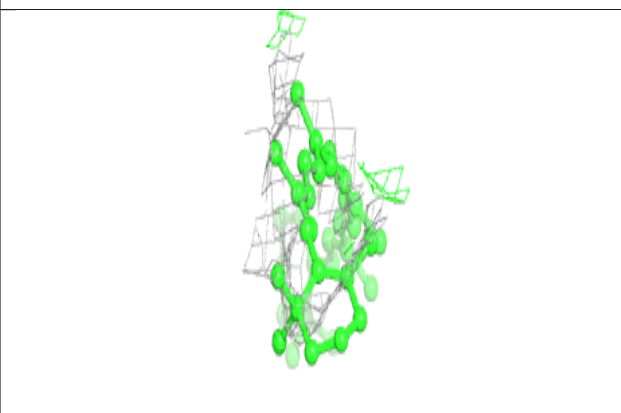
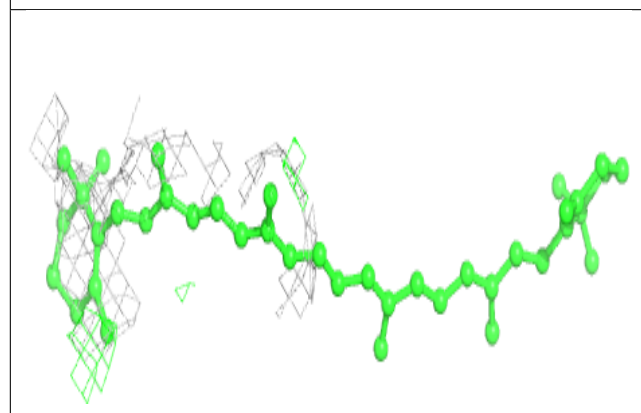
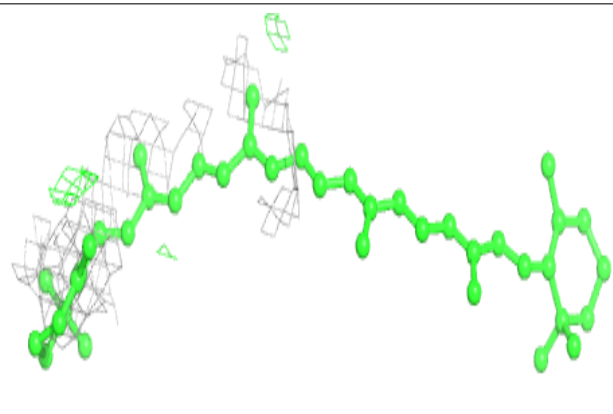


**Electron density around BCR M3 1602:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR B1 848:**

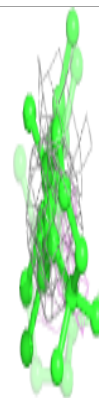
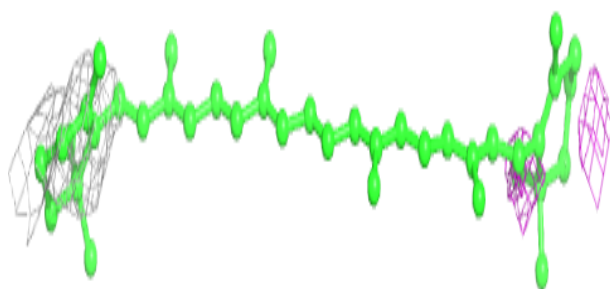
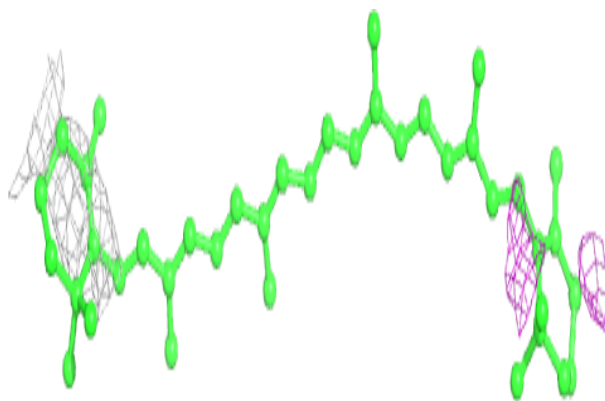
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



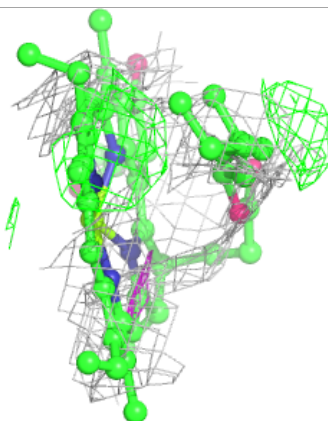
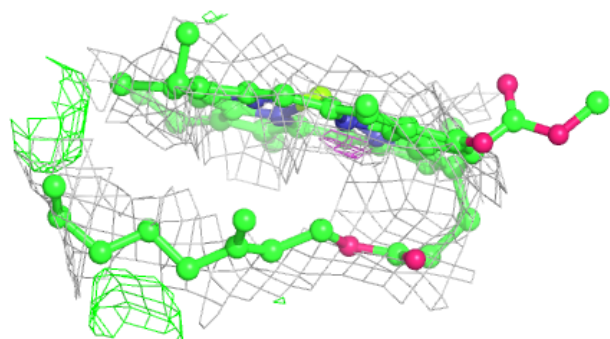
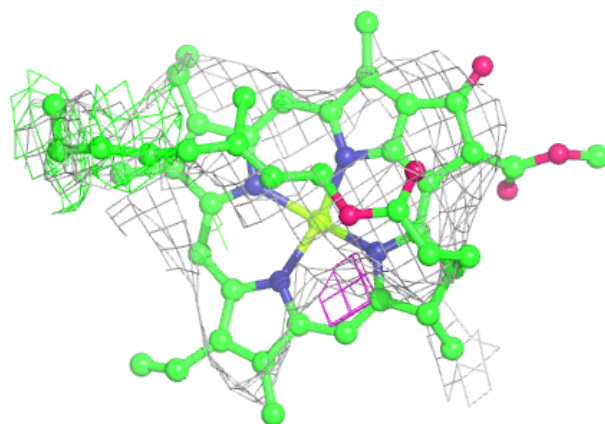


**Electron density around BCR B4 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A4 816:**

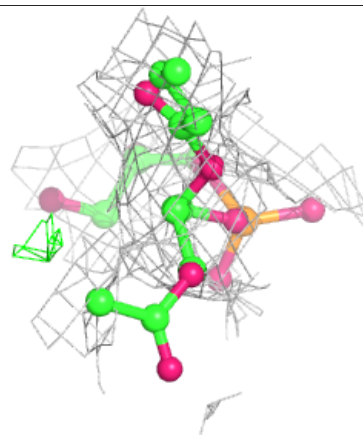
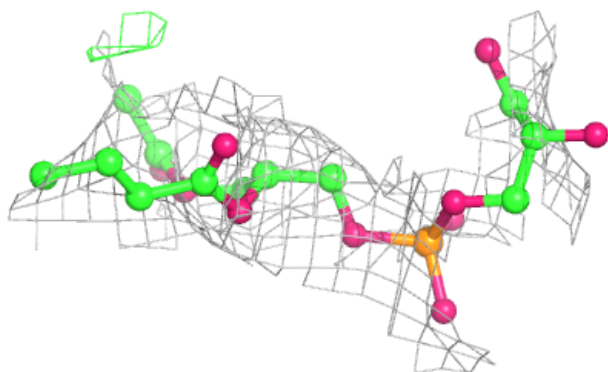
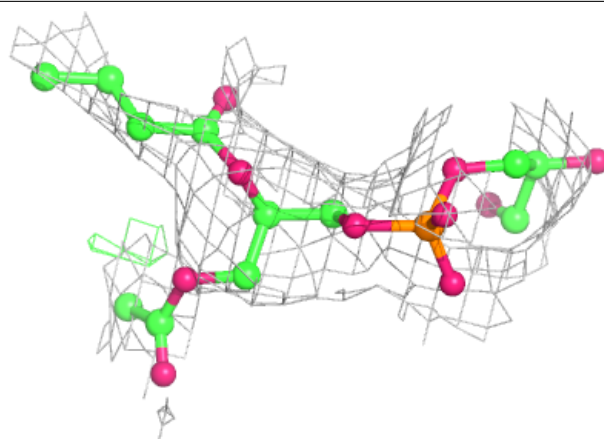
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



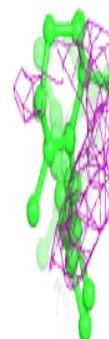
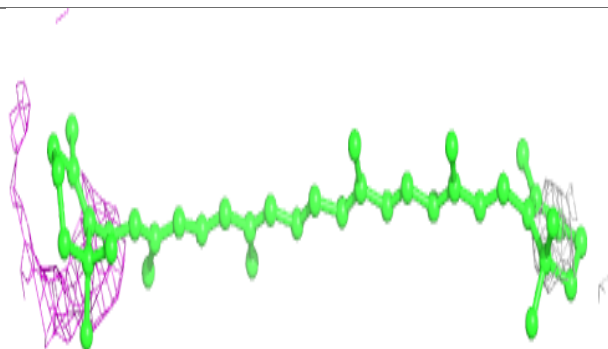
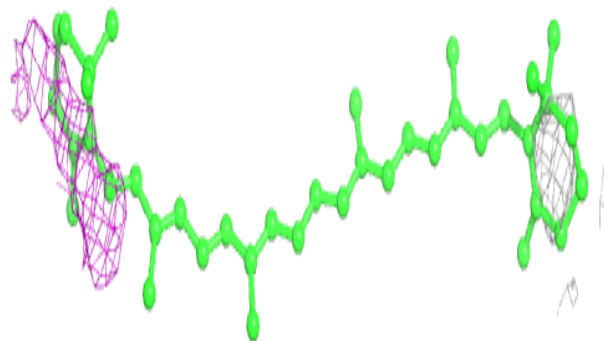


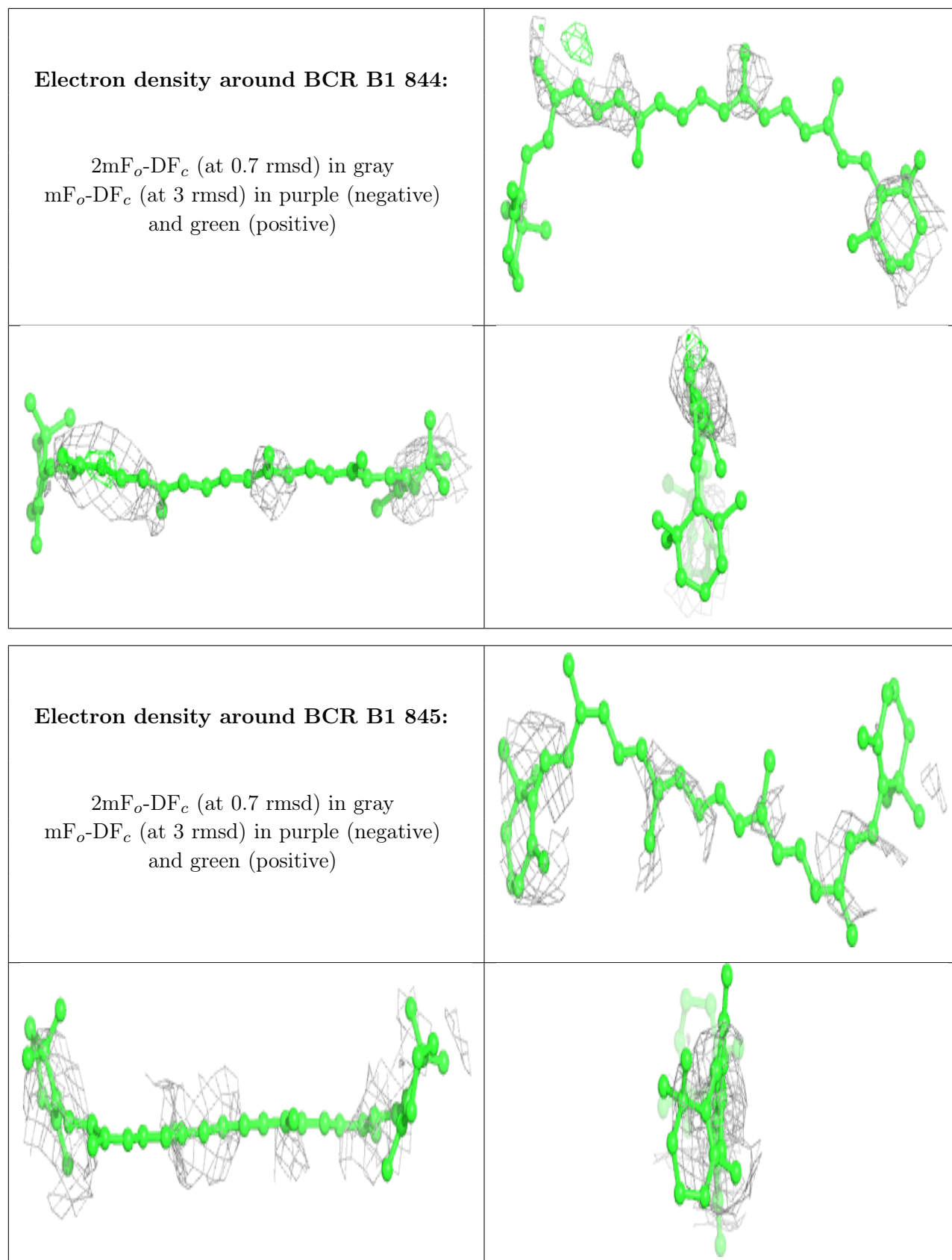
**Electron density around LHG X3 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR B2 846:**

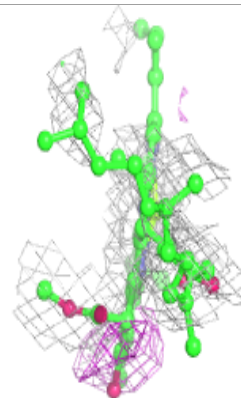
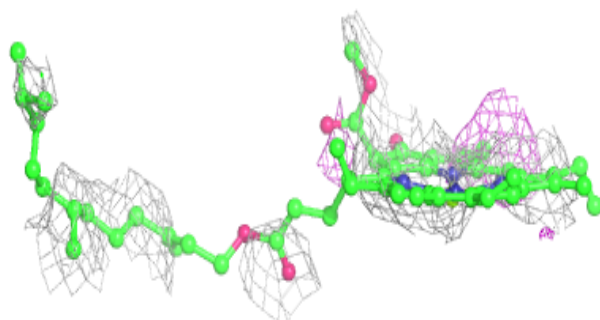
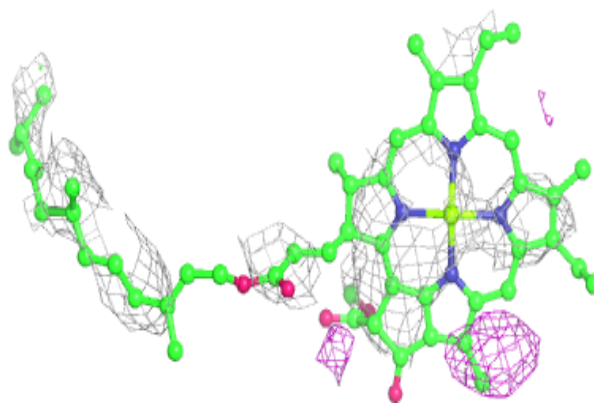
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



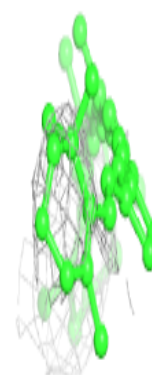
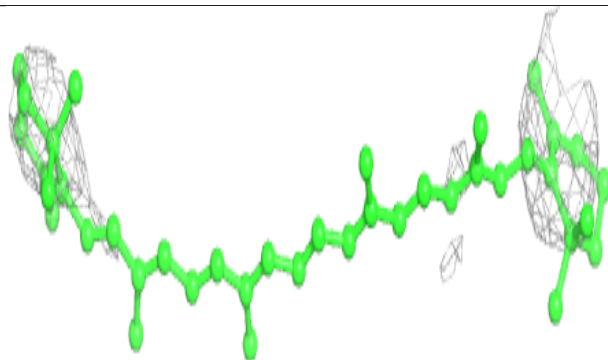
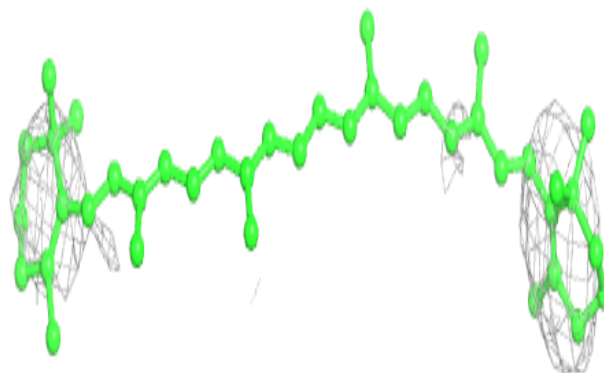


**Electron density around CLA B5 1839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

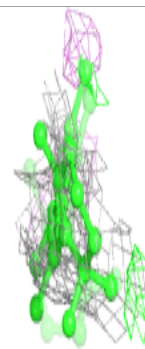
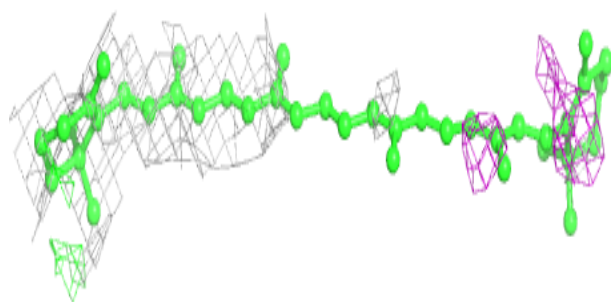
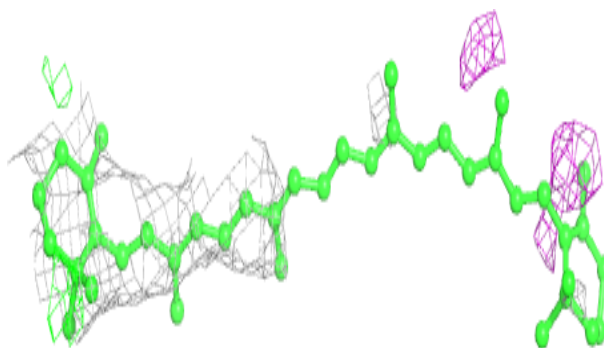
**Electron density around BCR M5 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

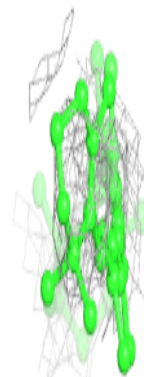
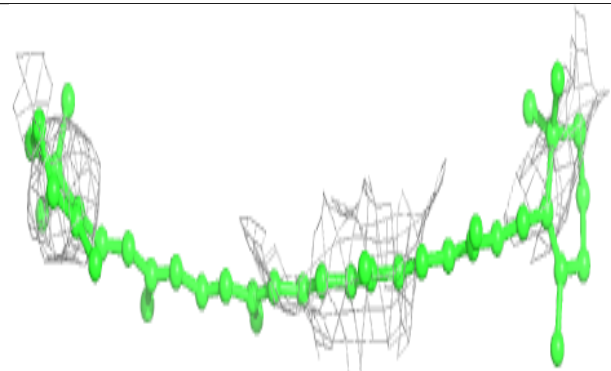
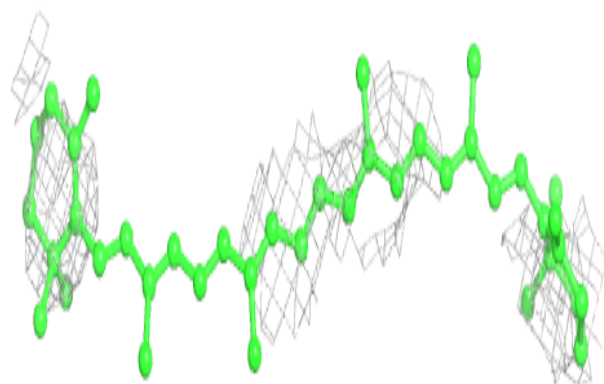


**Electron density around BCR B5 1849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

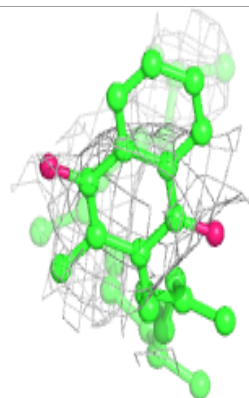
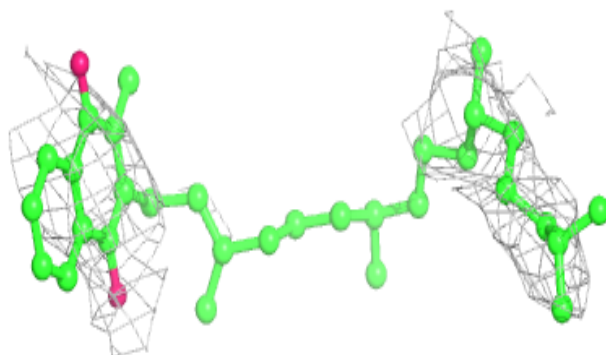
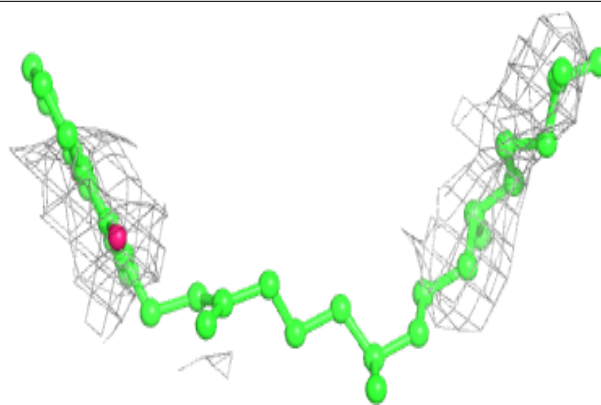
**Electron density around BCR A1 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

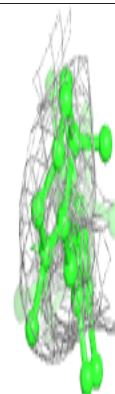
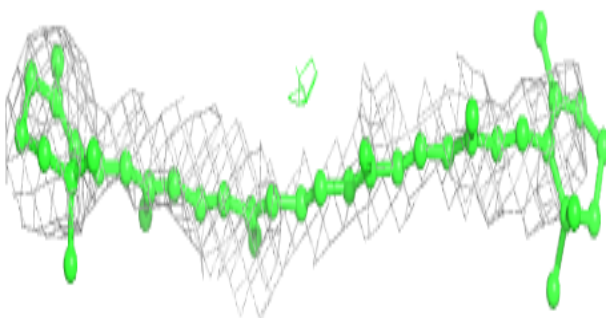
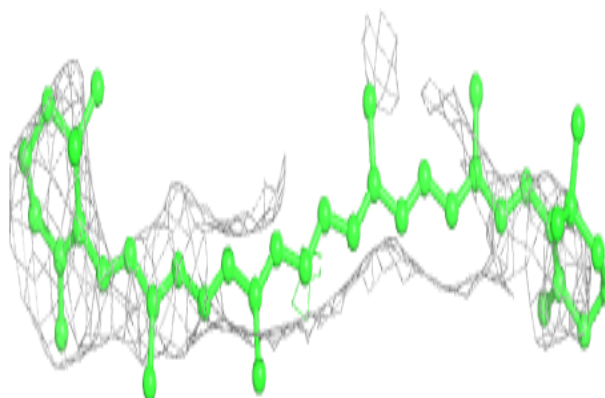


**Electron density around PQN B4 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

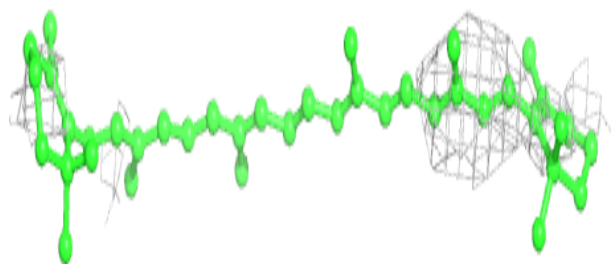
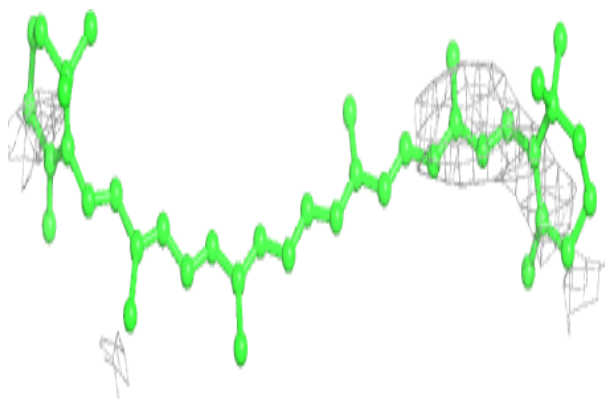
**Electron density around BCR A1 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

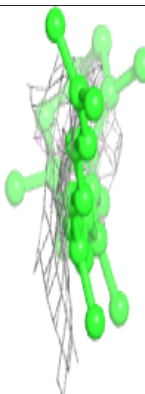
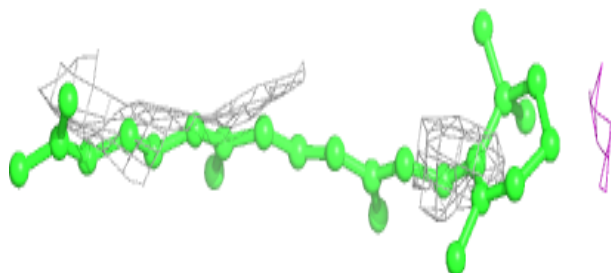
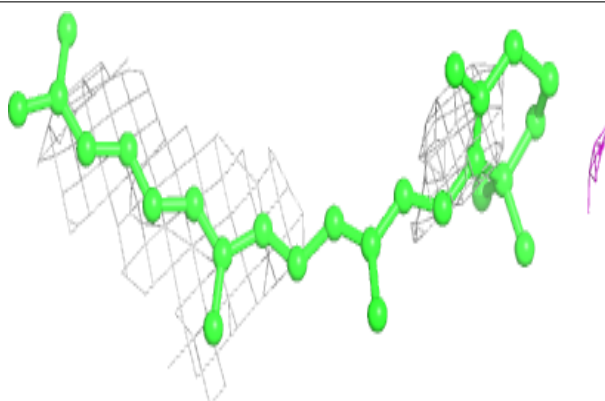


**Electron density around BCR B6 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR B2 845:**

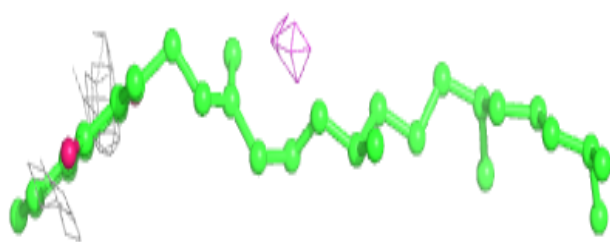
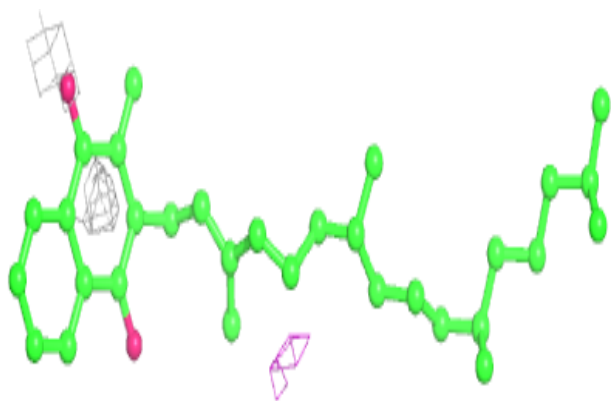
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



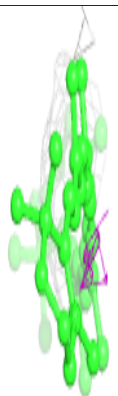
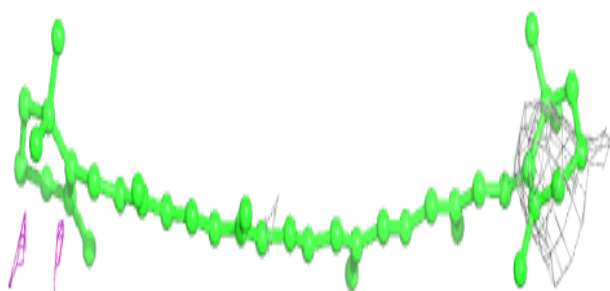
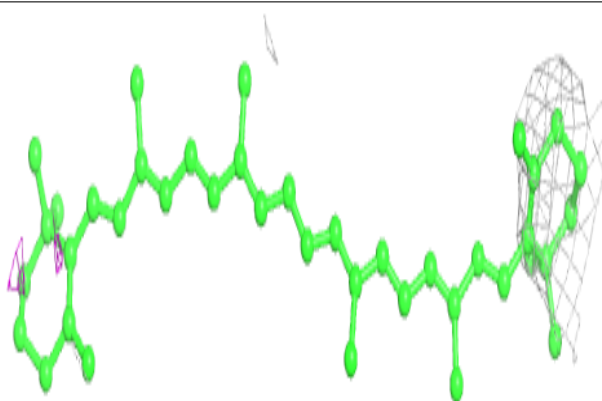


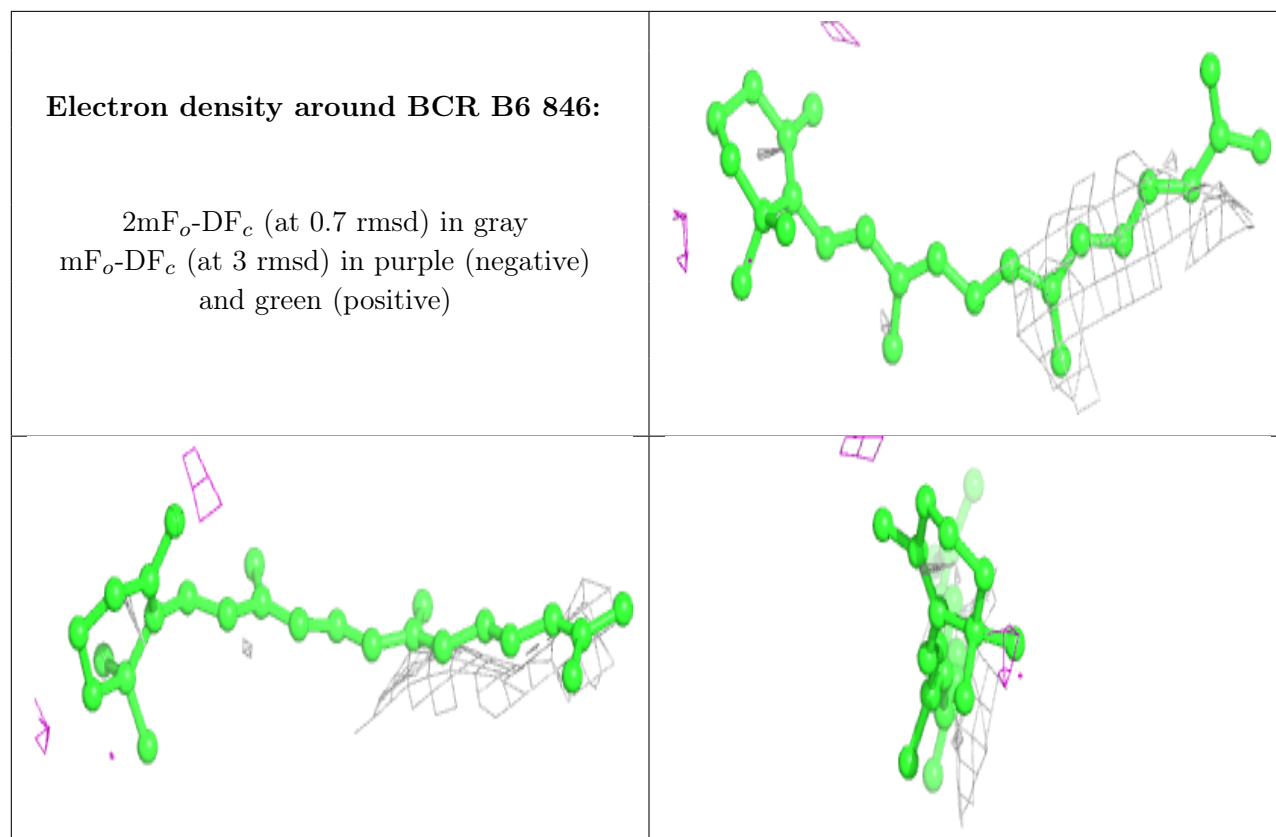
**Electron density around PQN A4 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR B3 1845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

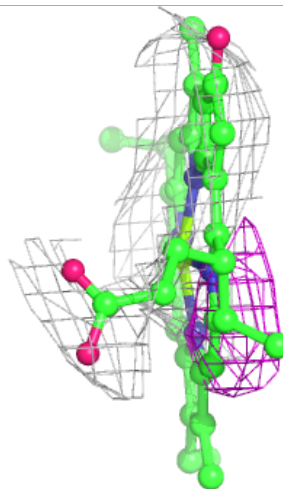
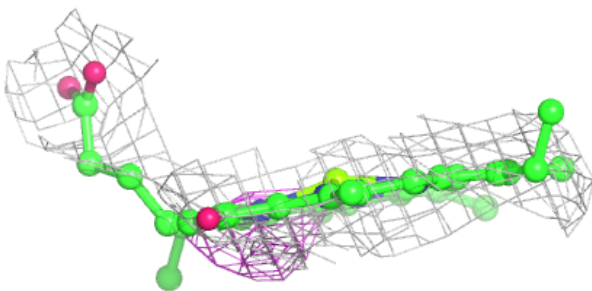
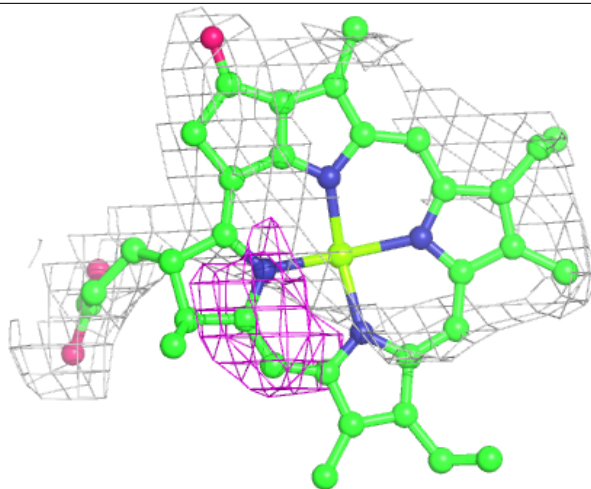






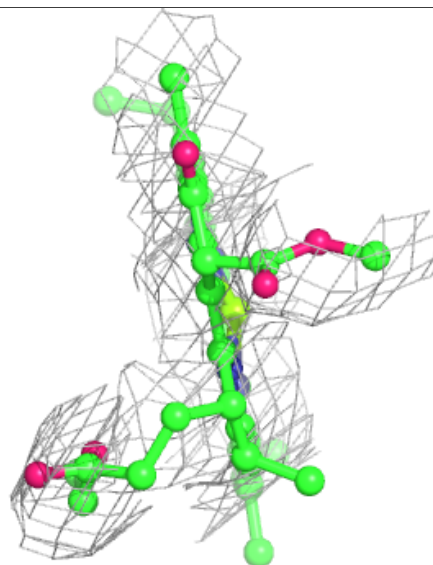
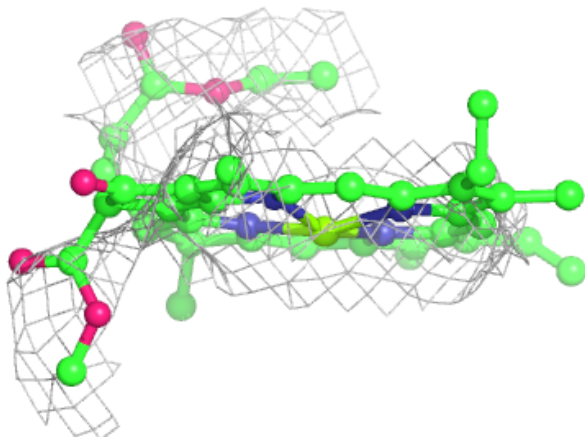
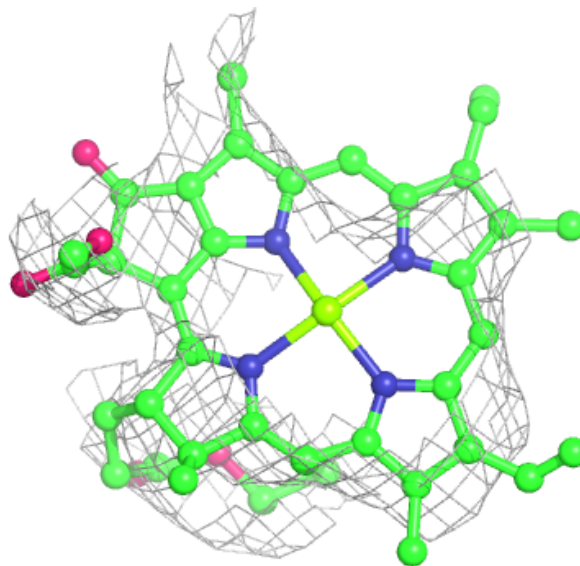
**Electron density around CLA A4 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



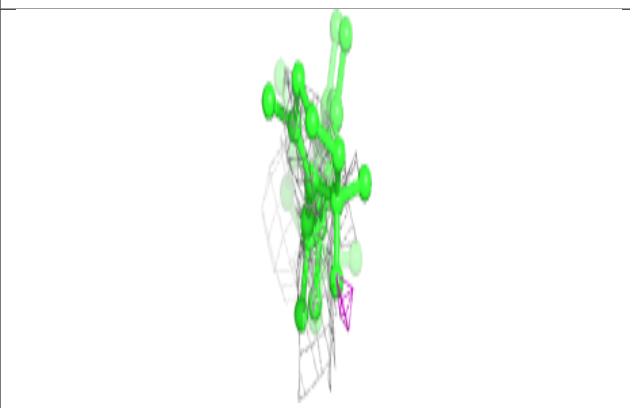
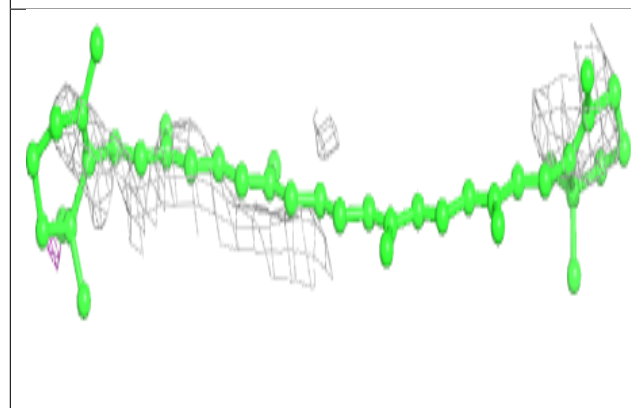
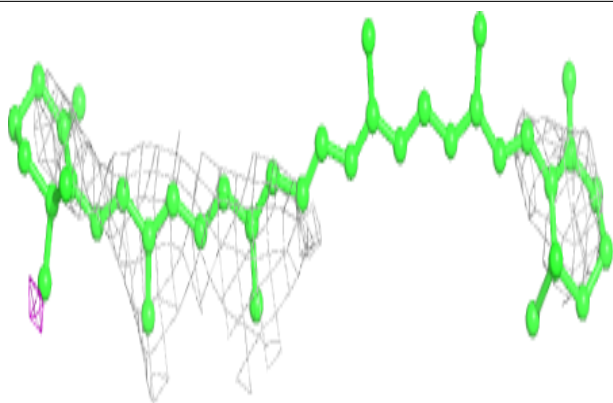
**Electron density around CLA B1 821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

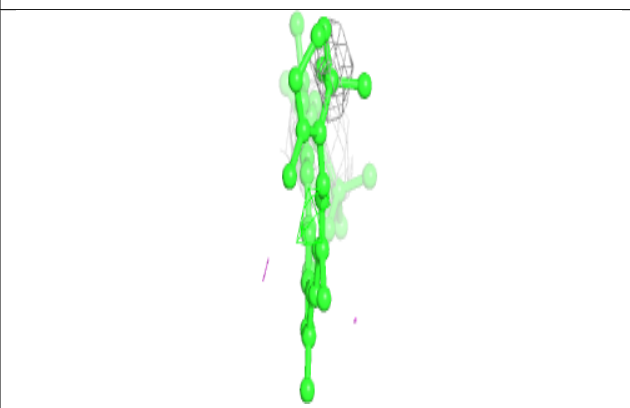
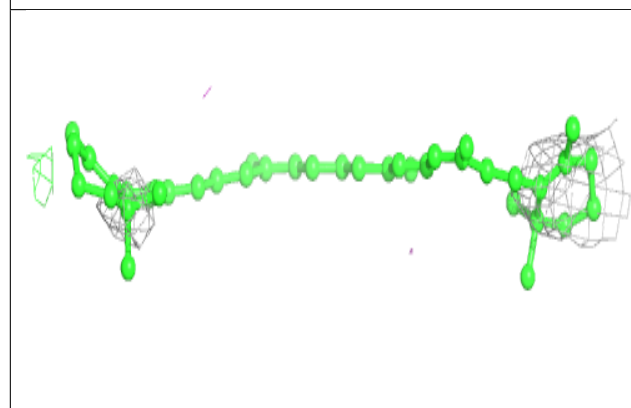
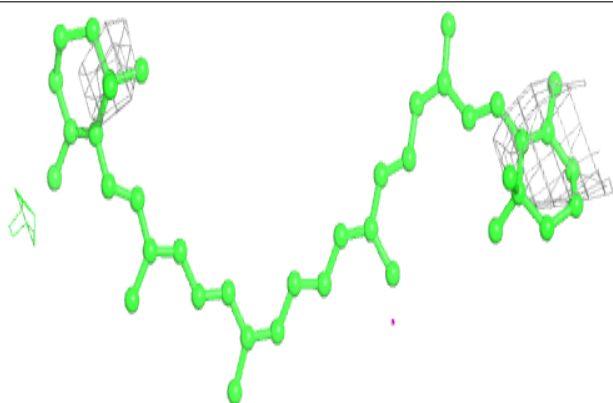


**Electron density around BCR A4 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

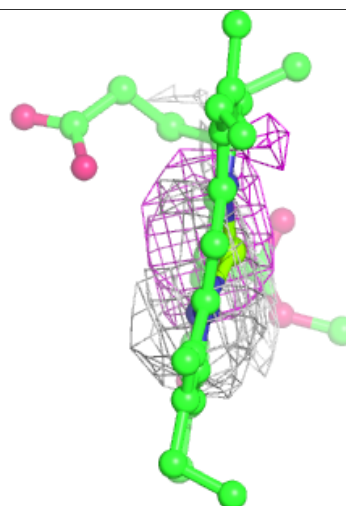
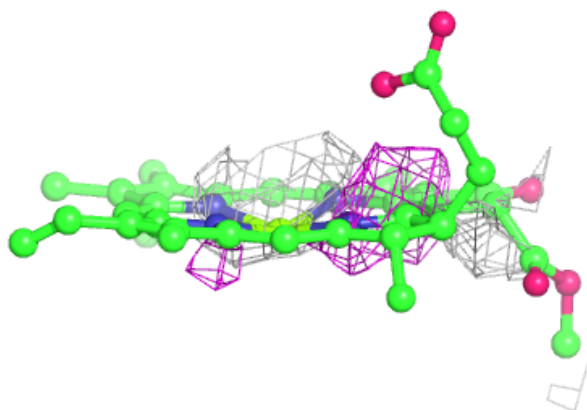
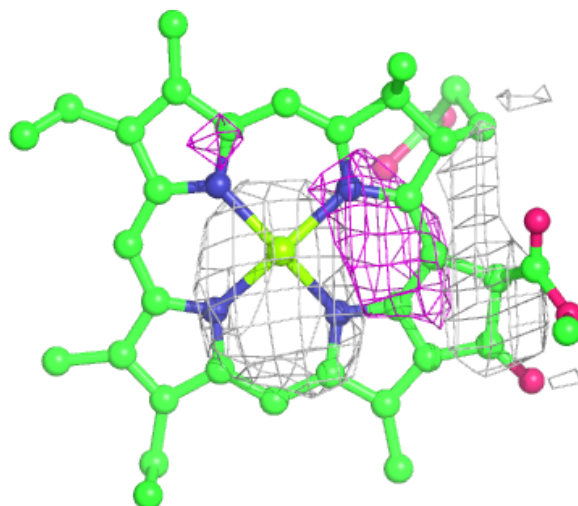
**Electron density around BCR A4 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



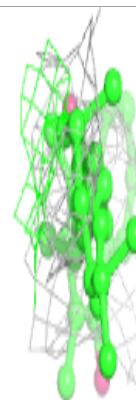
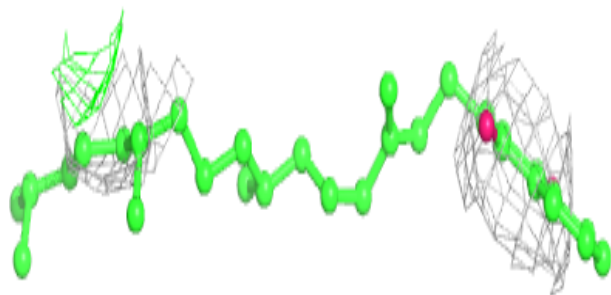
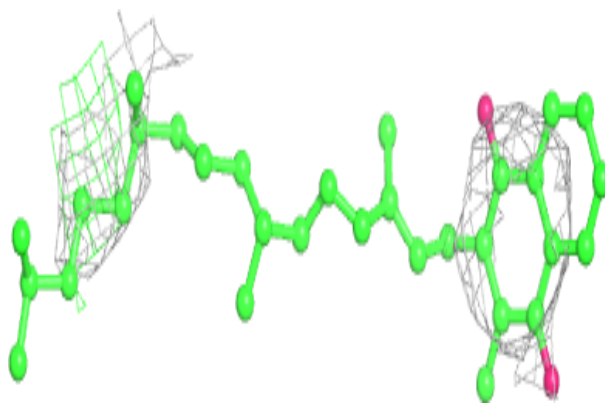
**Electron density around CLA L5 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

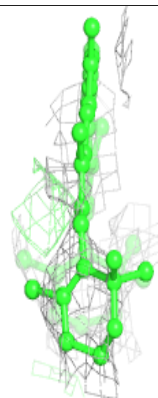
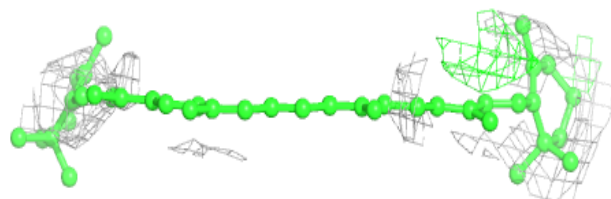
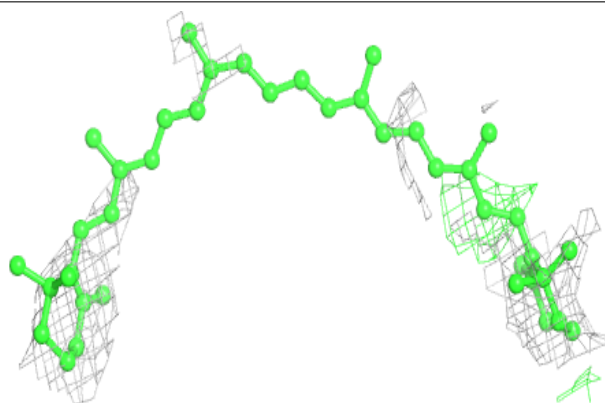


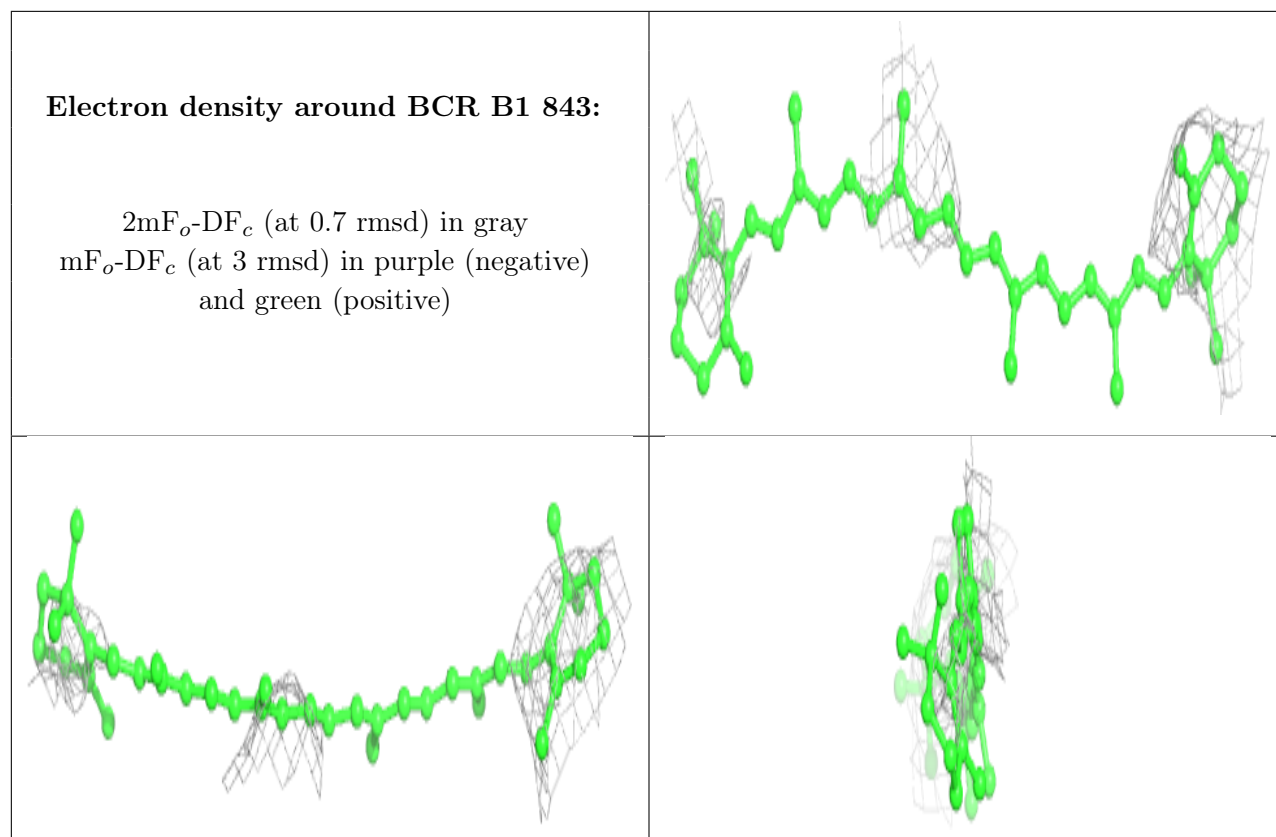
**Electron density around PQN A1 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR F1 1302:**

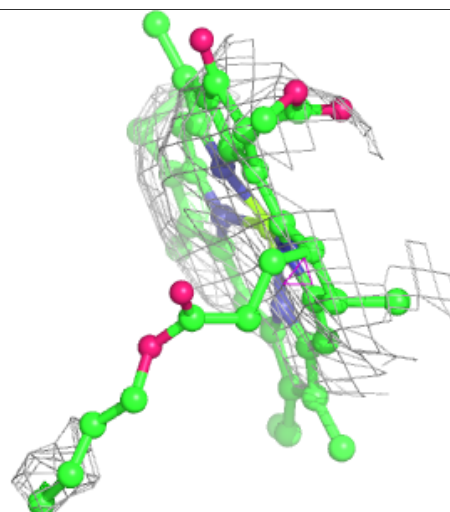
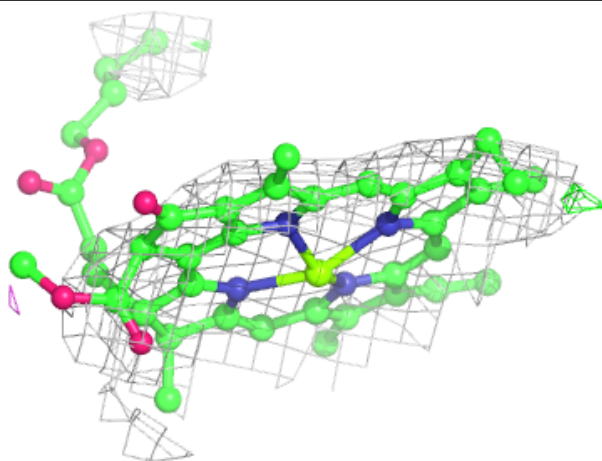
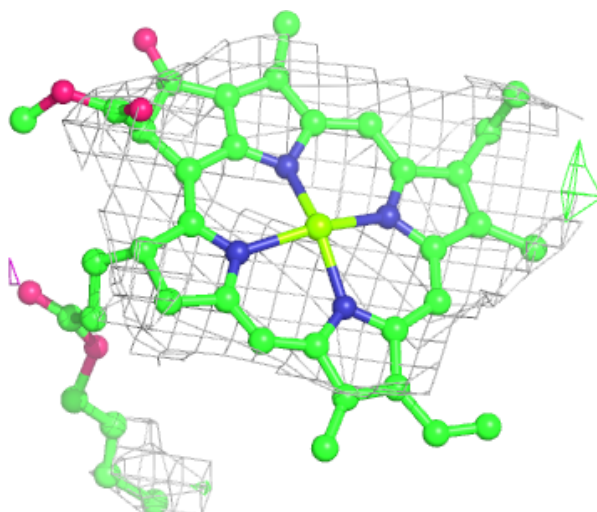
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



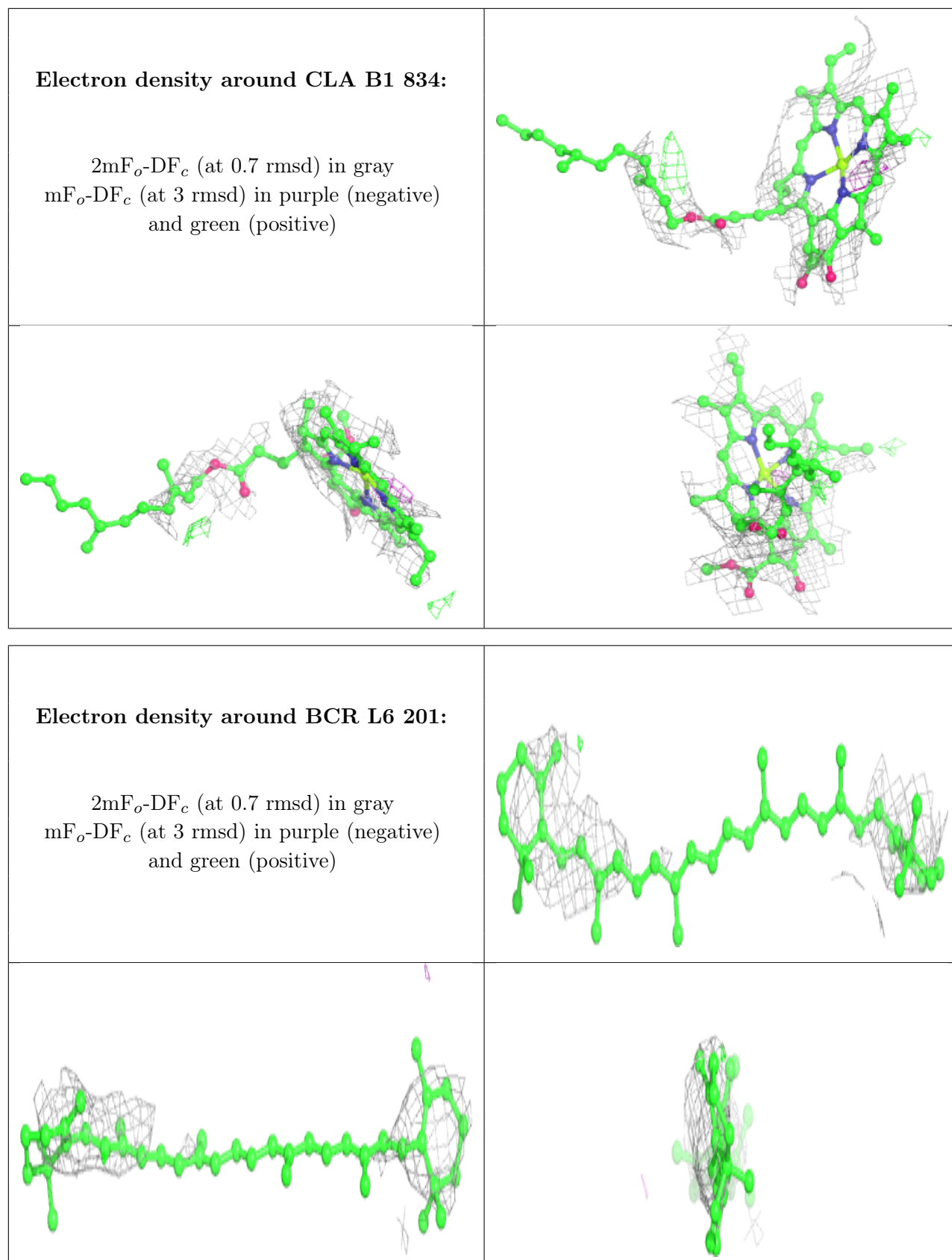


**Electron density around CLA A1 815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



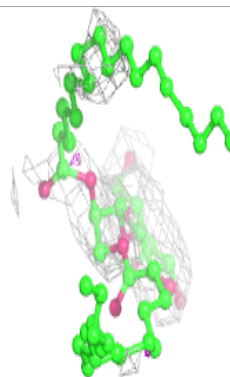
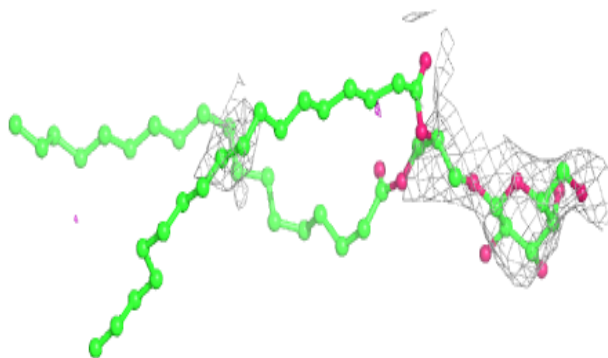
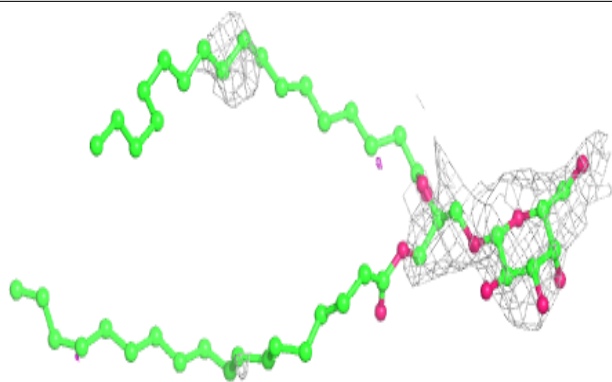




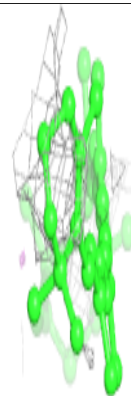
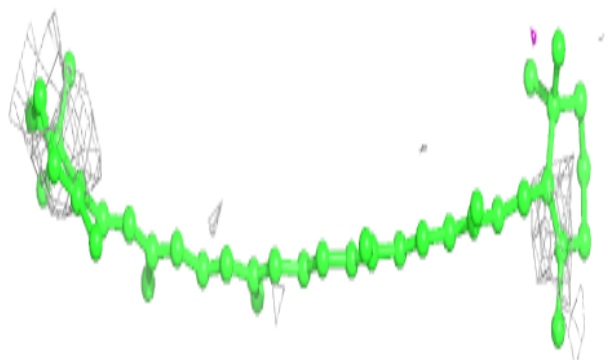
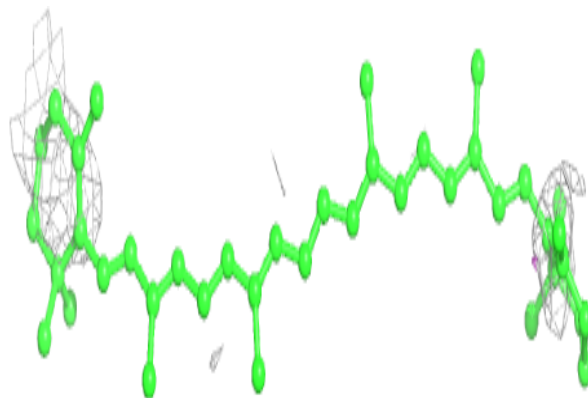


**Electron density around LMG B6 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

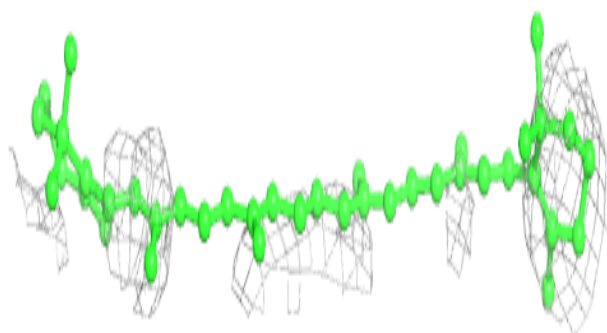
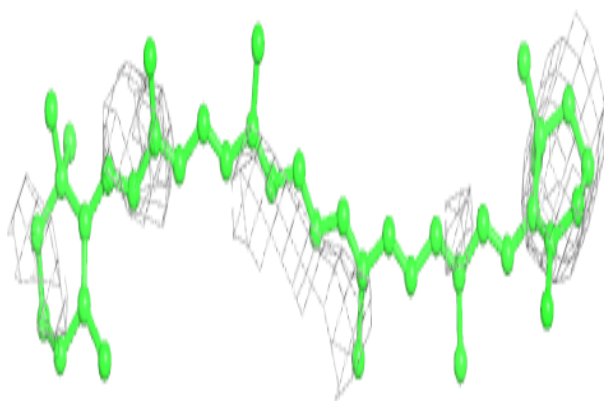
**Electron density around BCR A4 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

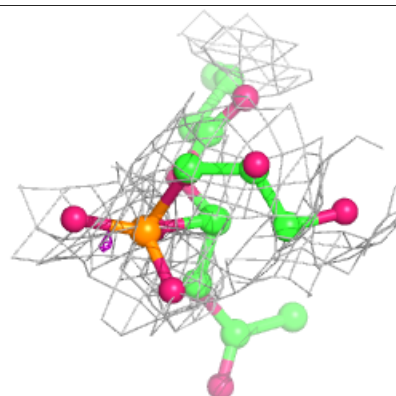
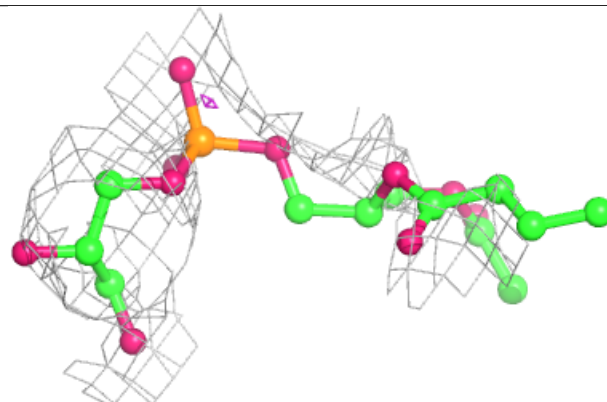
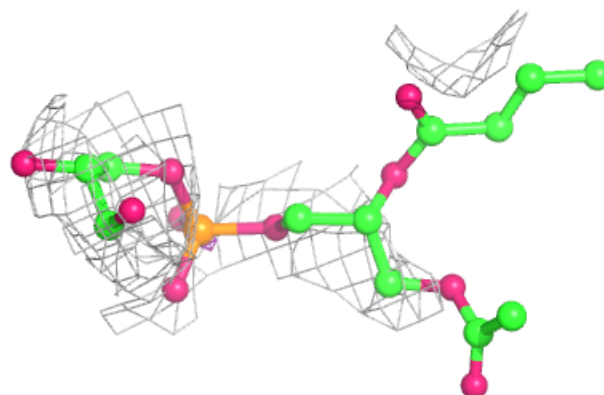


**Electron density around BCR J1 103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

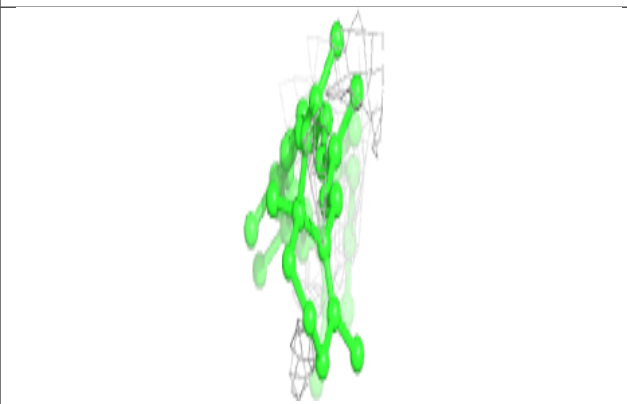
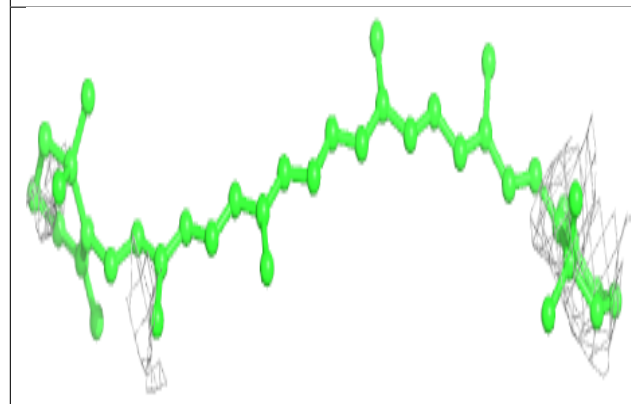
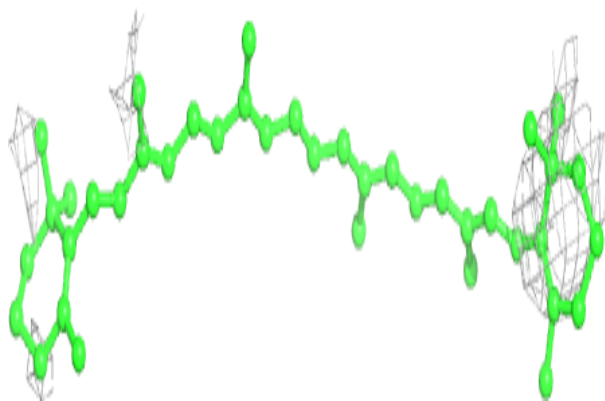
**Electron density around LHG B1 851:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

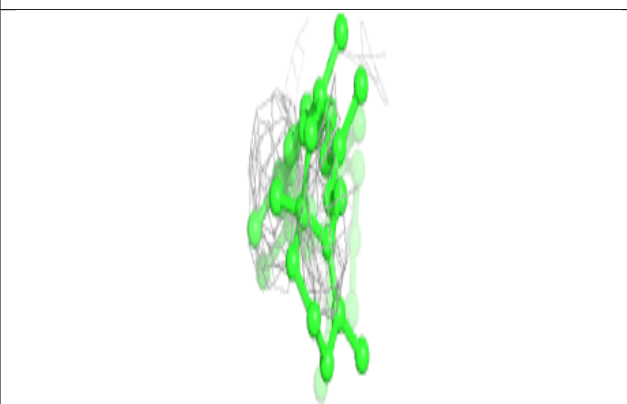
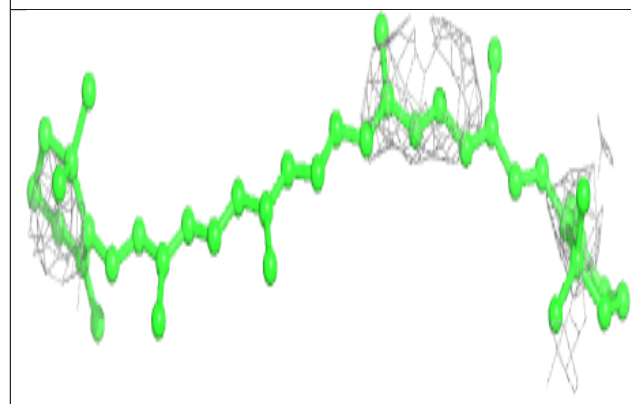
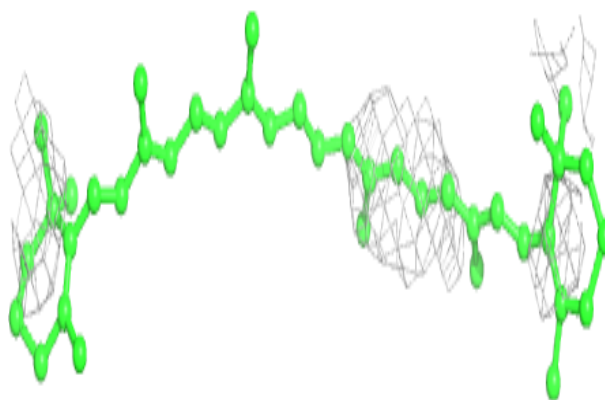


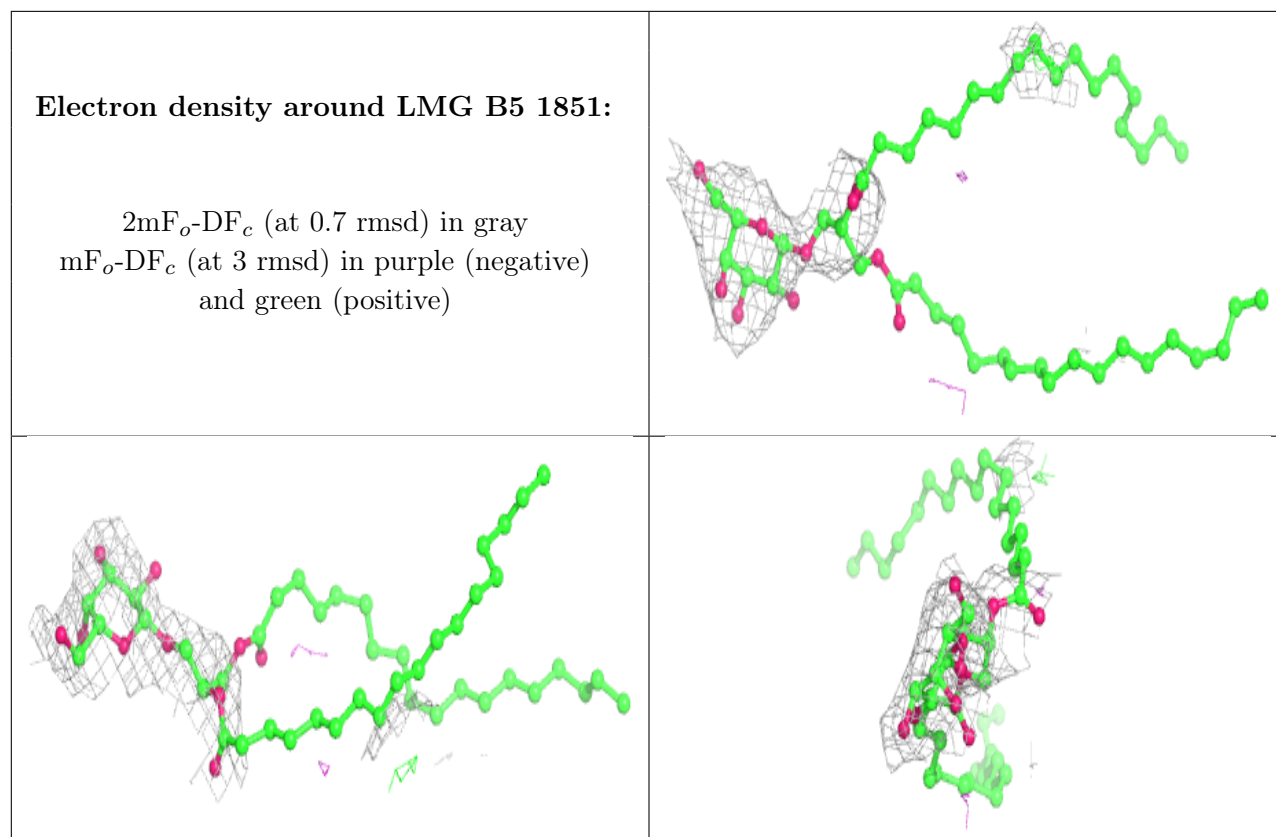
**Electron density around BCR J4 104:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR J5 104:**

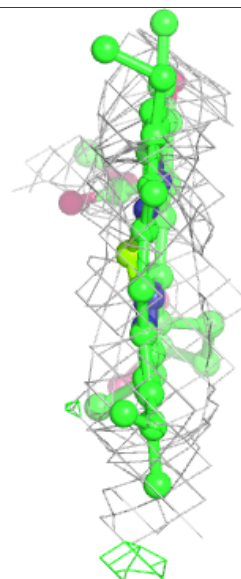
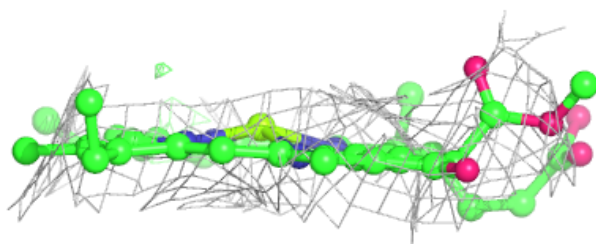
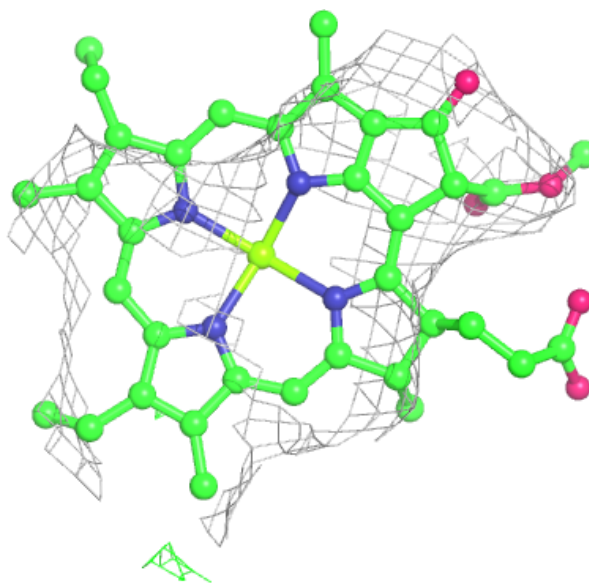
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





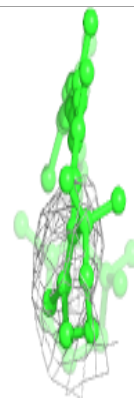
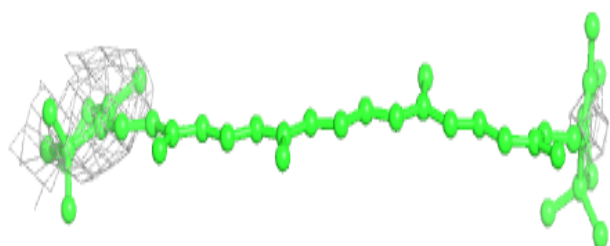
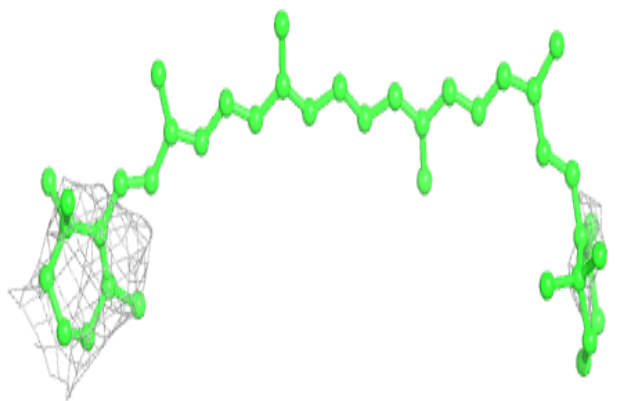
**Electron density around CLA F1 1301:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

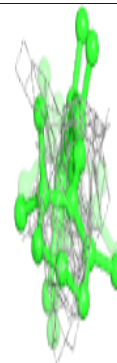
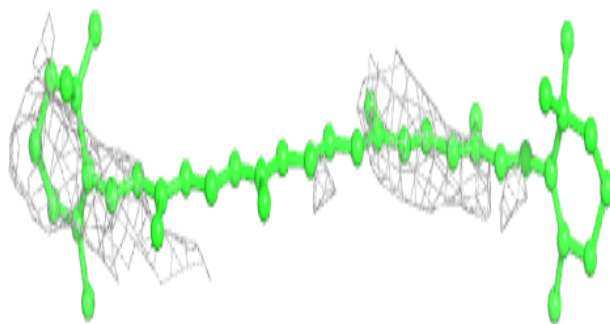
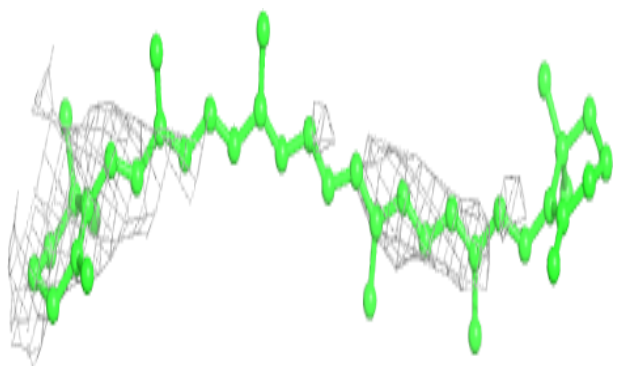


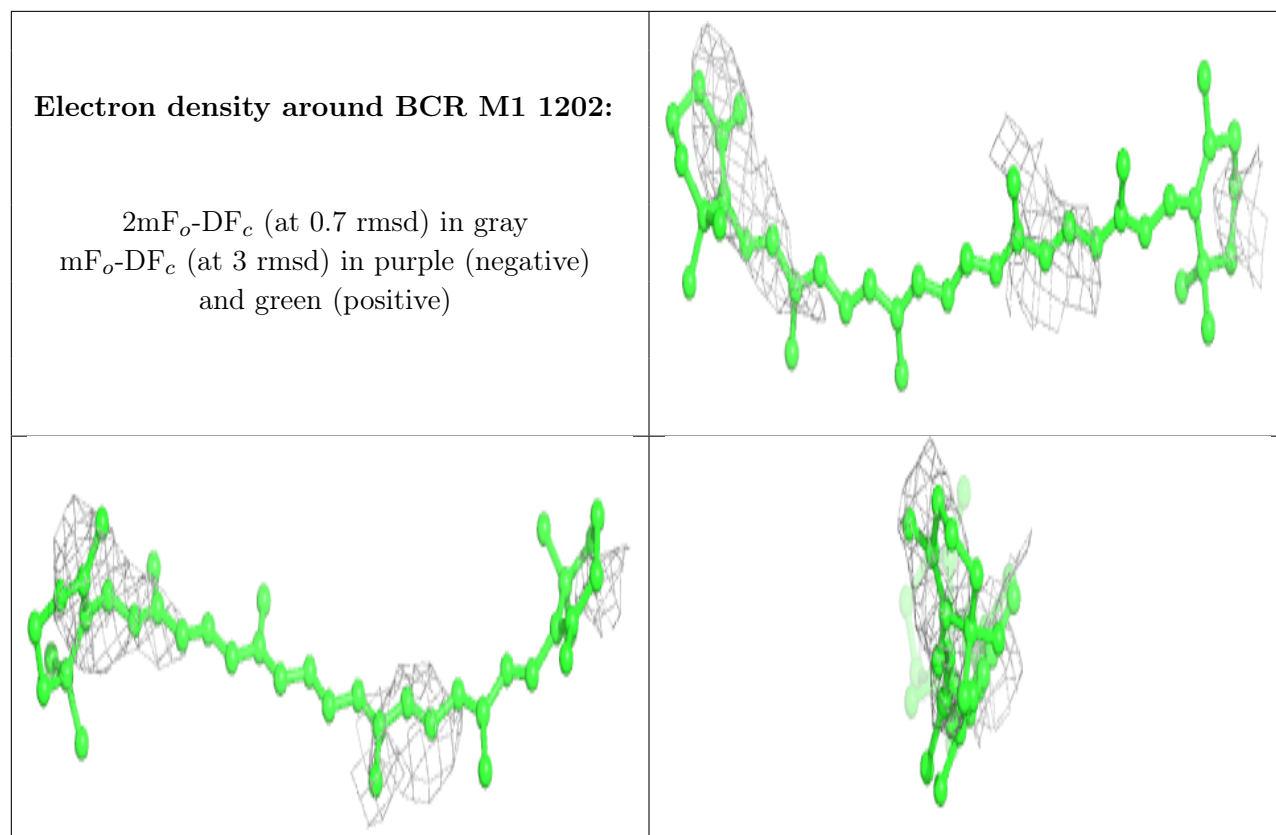
**Electron density around BCR B6 844:**

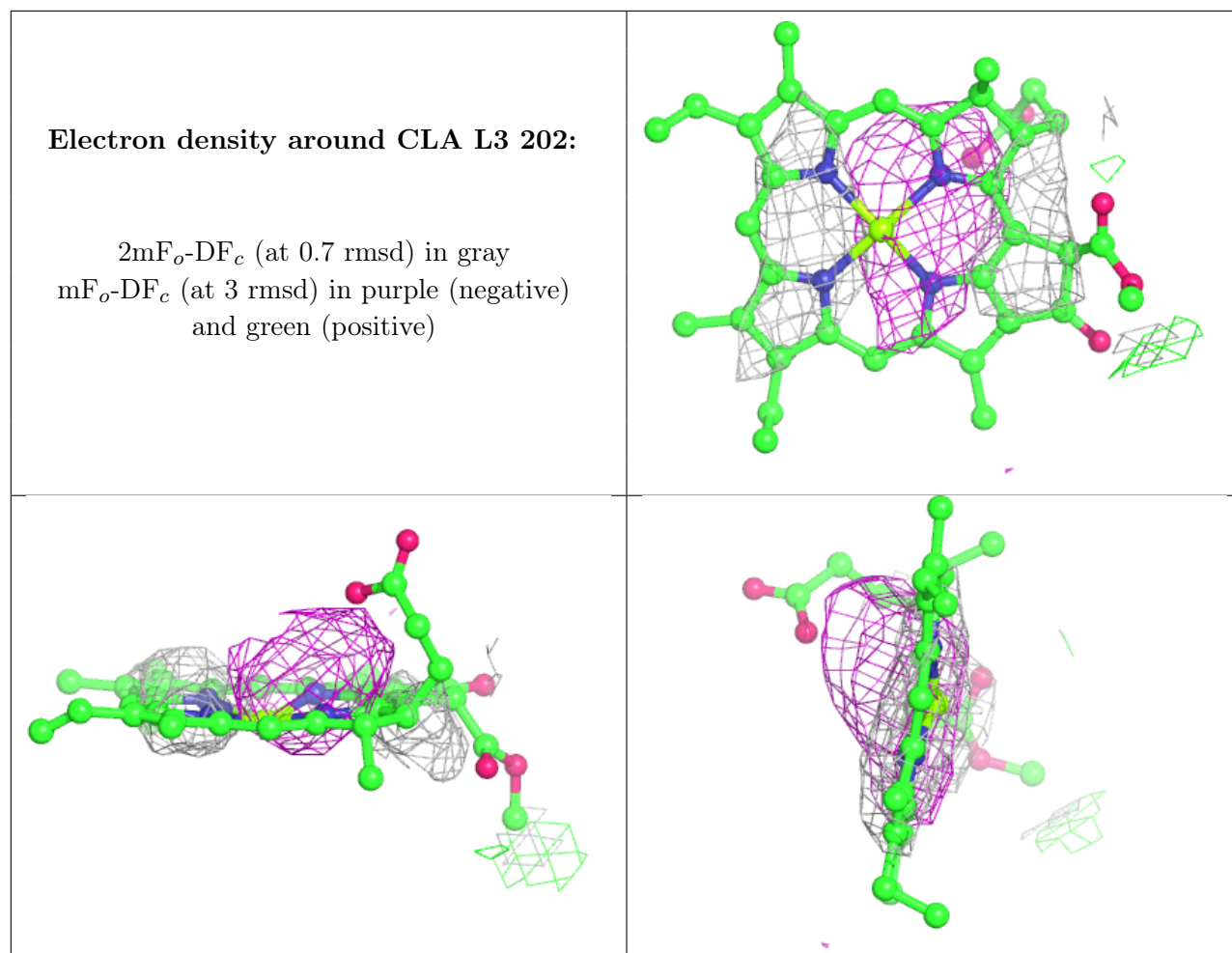
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A1 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



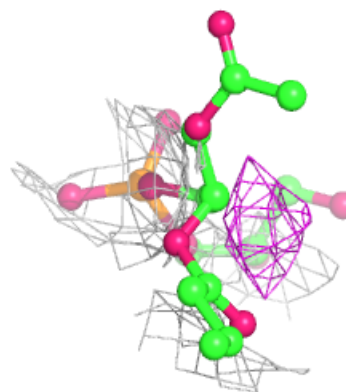
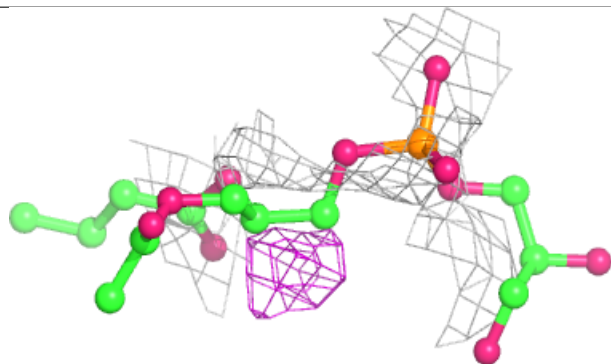
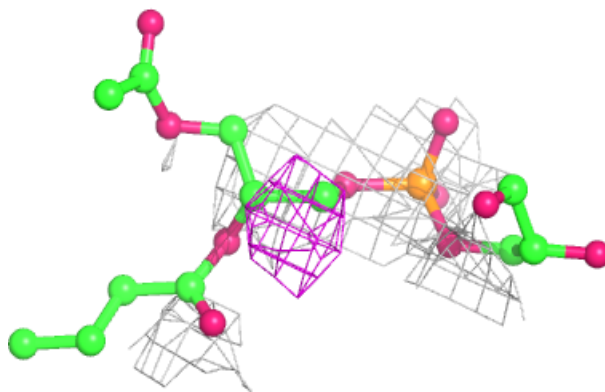




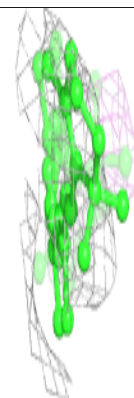
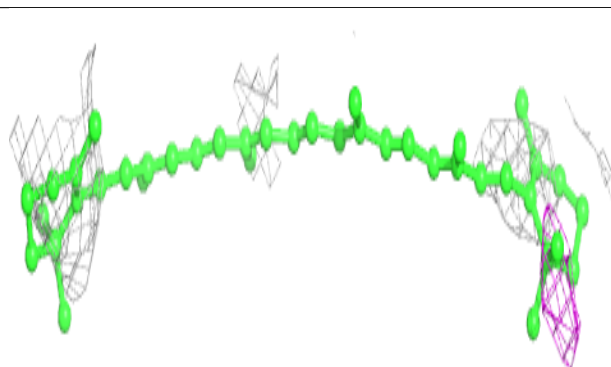
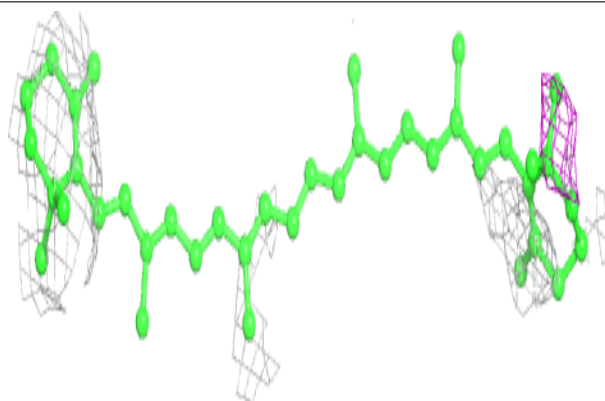


**Electron density around LHG X4 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

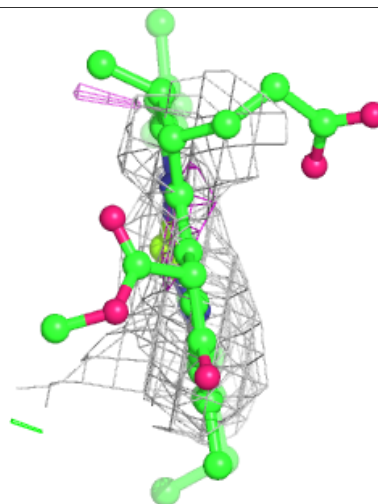
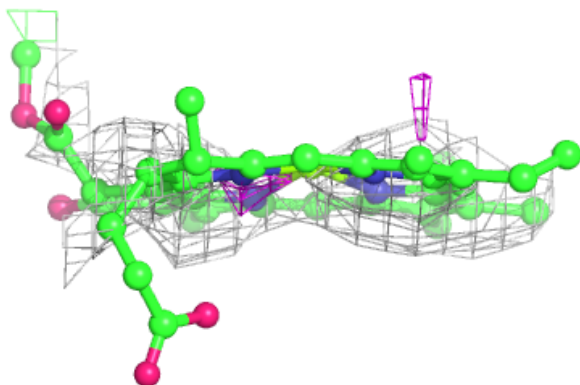
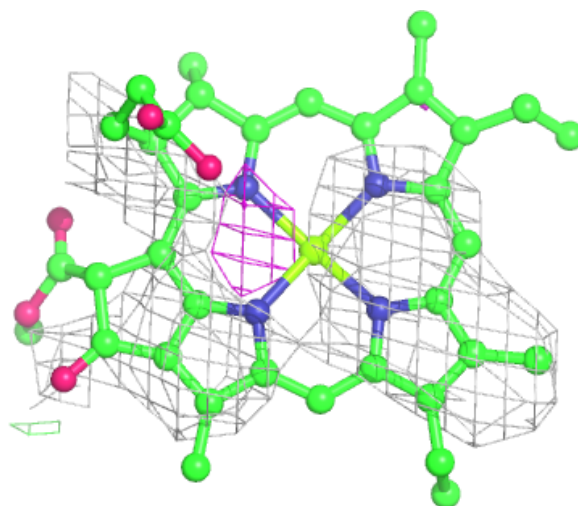
**Electron density around BCR B5 1845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



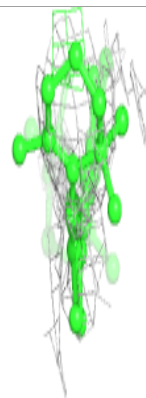
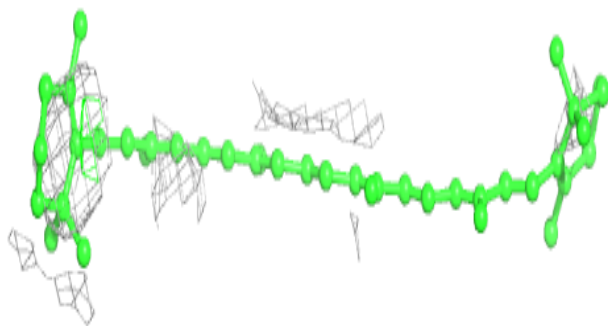
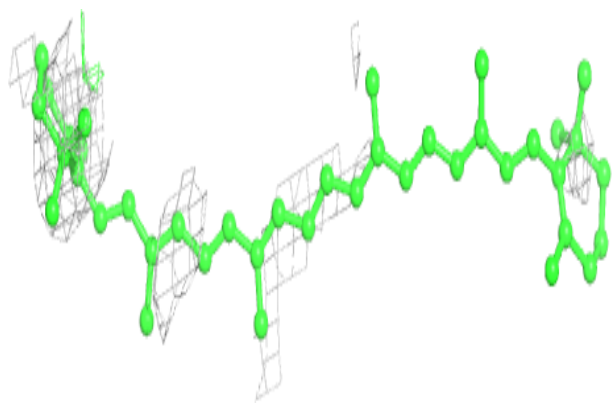
**Electron density around CLA M3 1601:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

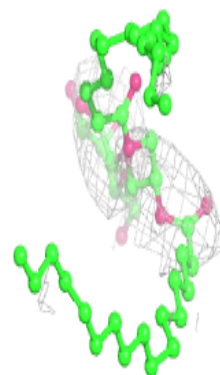
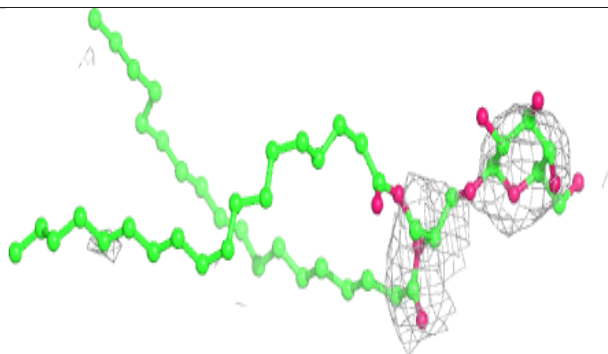
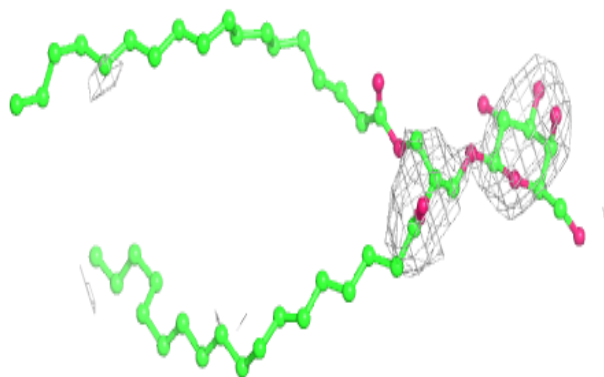


**Electron density around BCR B1 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

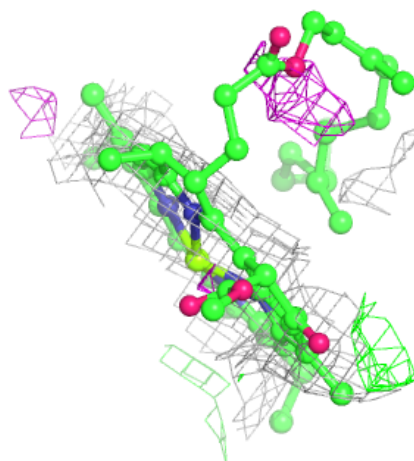
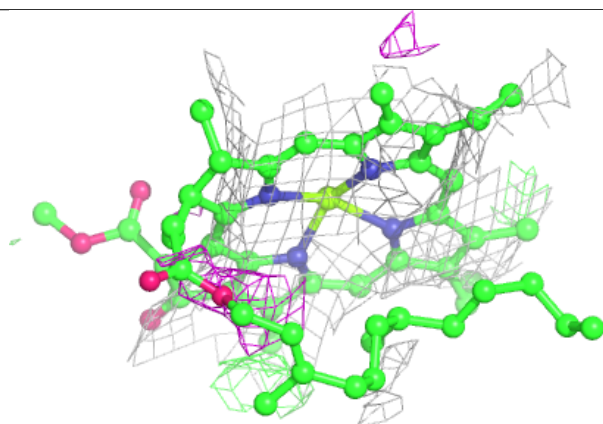
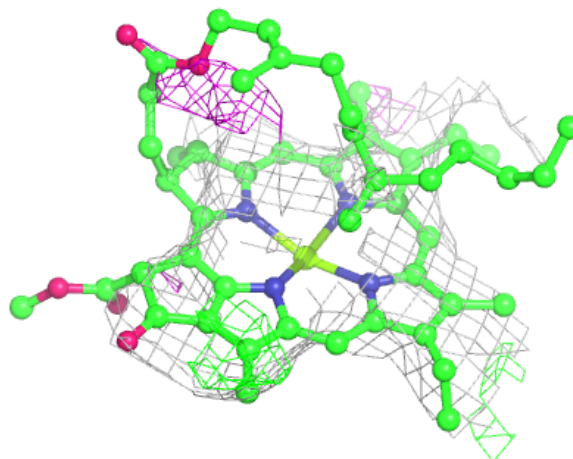
**Electron density around LMG B4 851:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



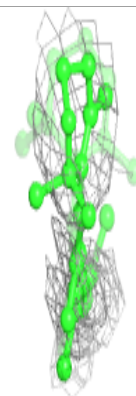
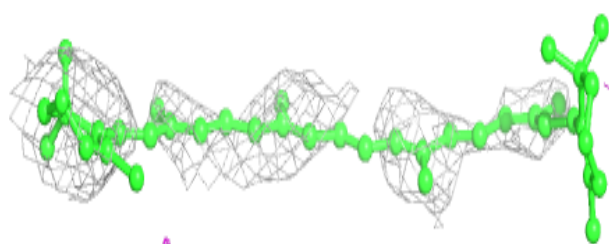
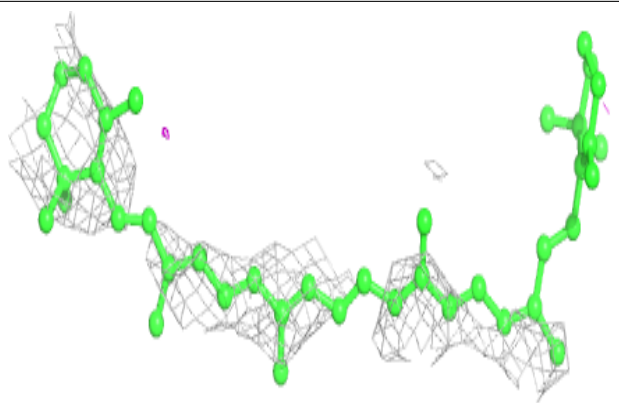
**Electron density around CLA B1 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

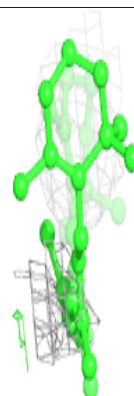
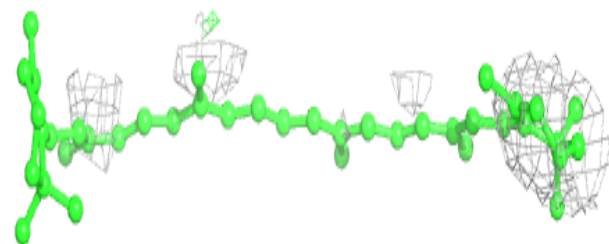
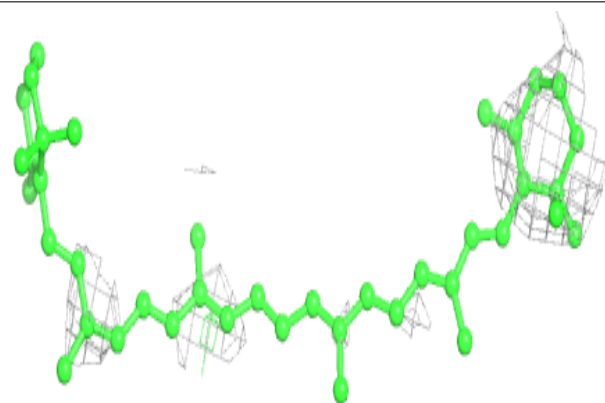


**Electron density around BCR B5 1846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

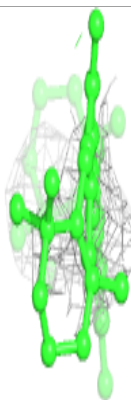
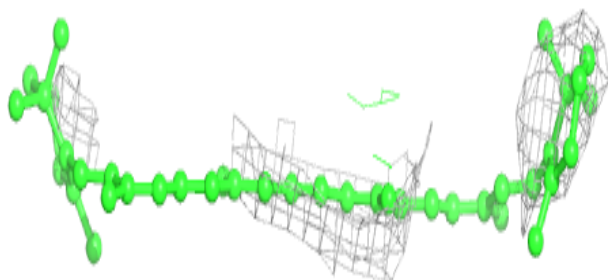
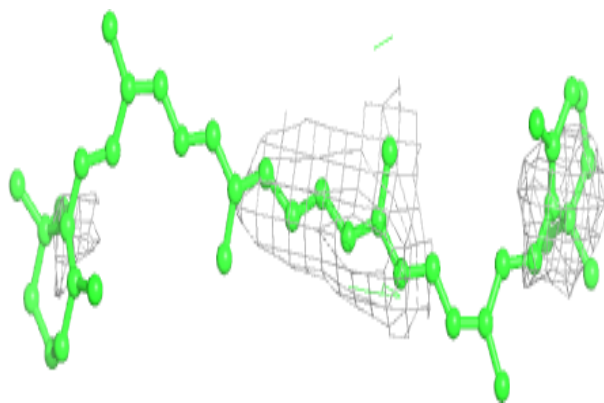
**Electron density around BCR B4 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

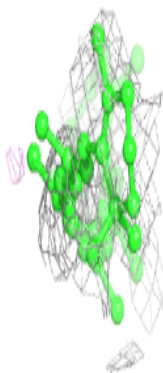
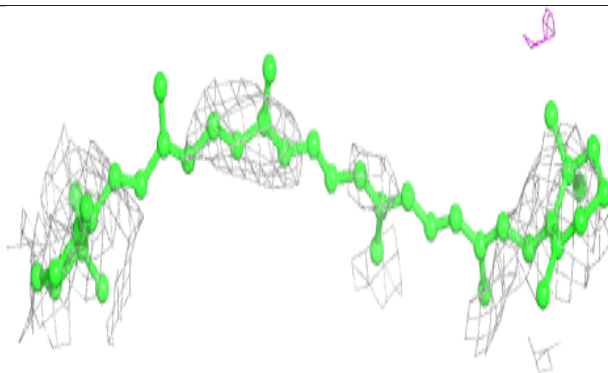
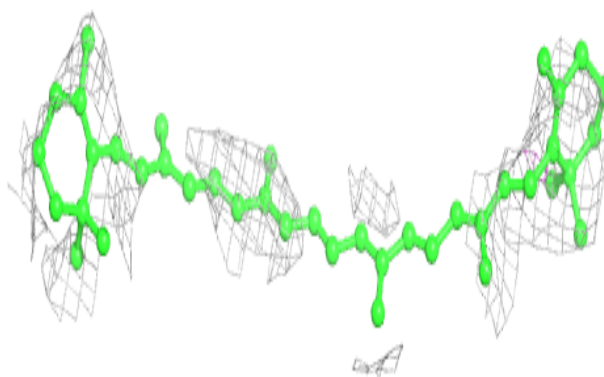


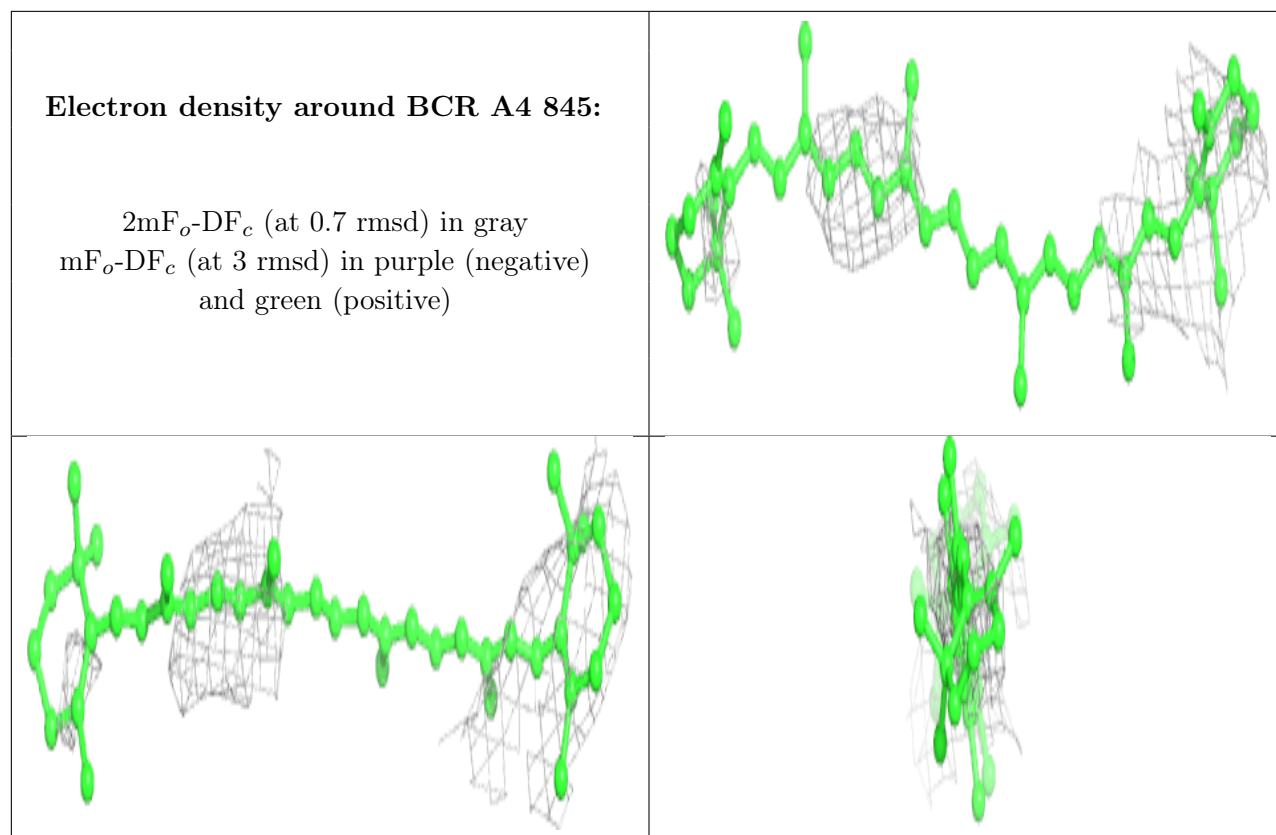
**Electron density around BCR B4 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR J6 1105:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

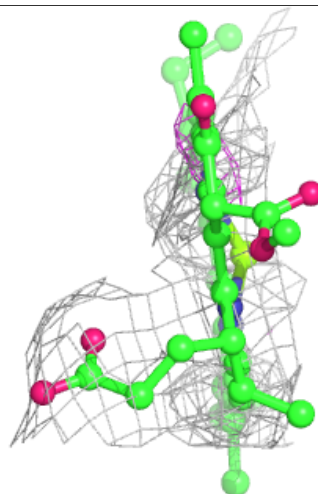
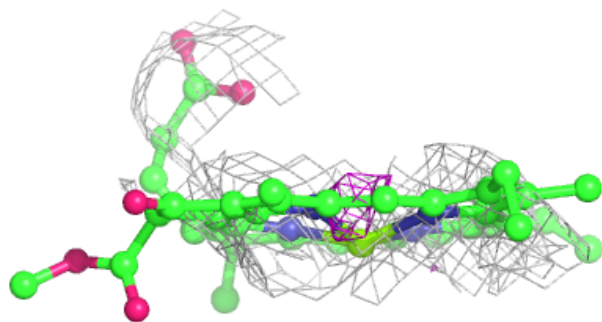
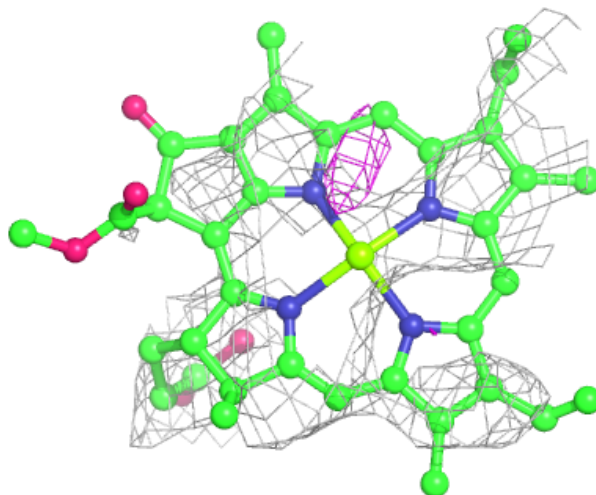






**Electron density around CLA A4 809:**

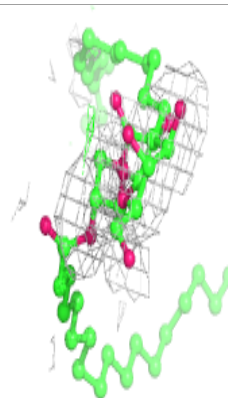
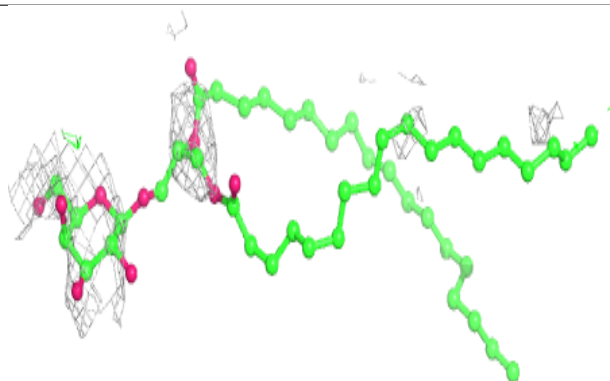
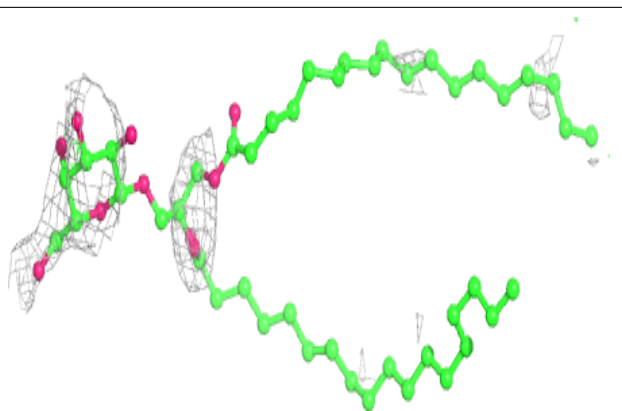
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



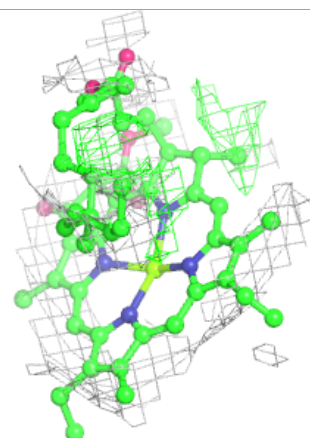
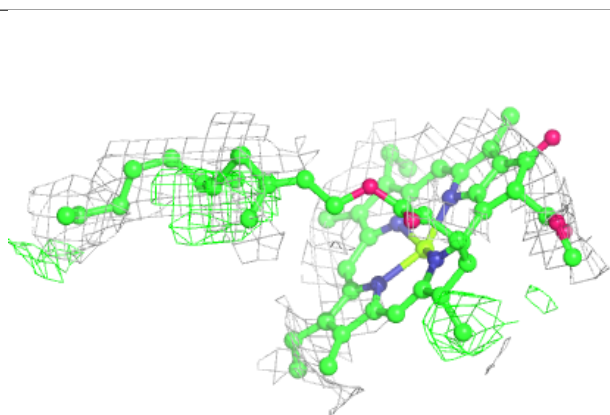
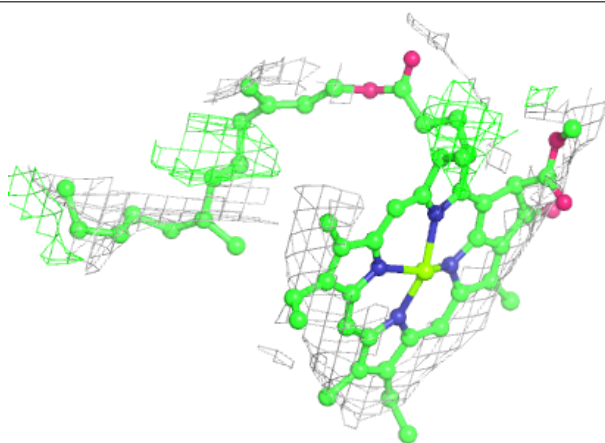


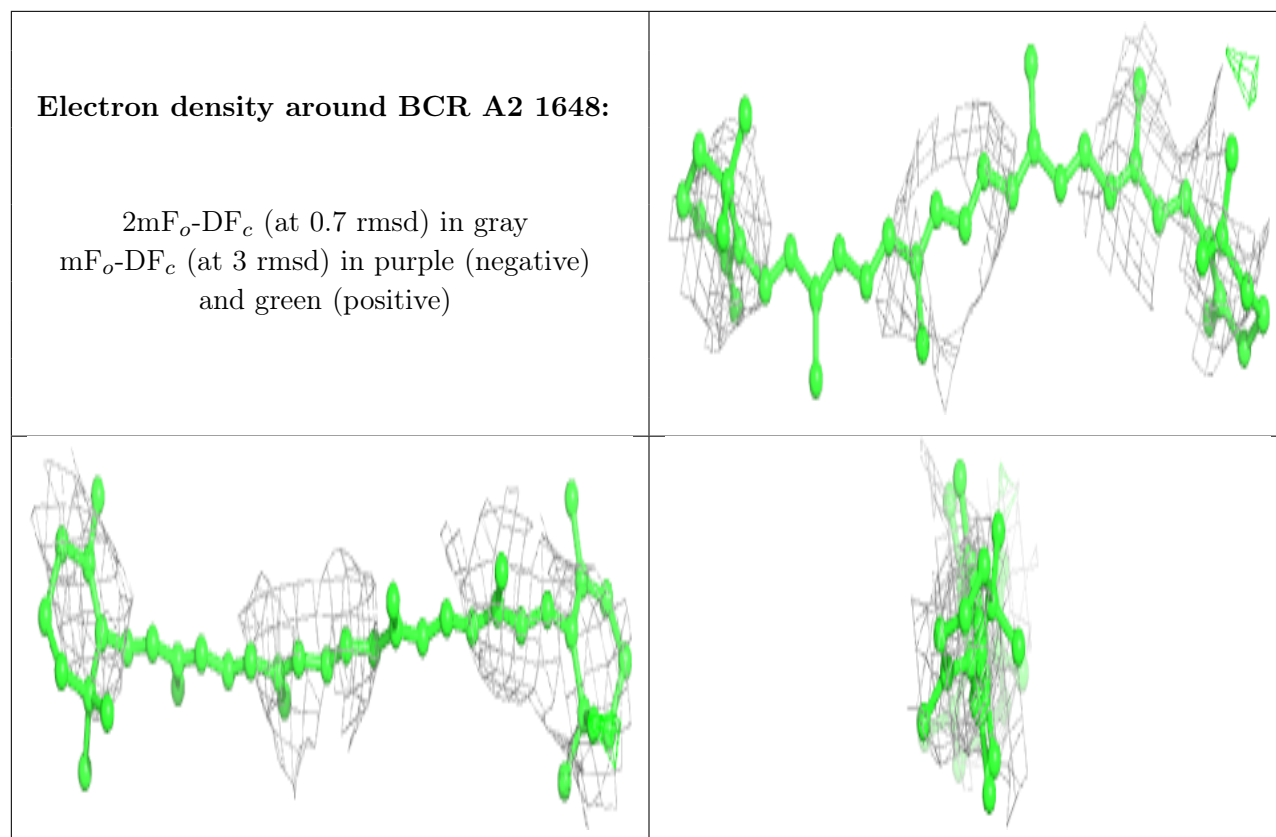
**Electron density around LMG B1 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A1 823:**

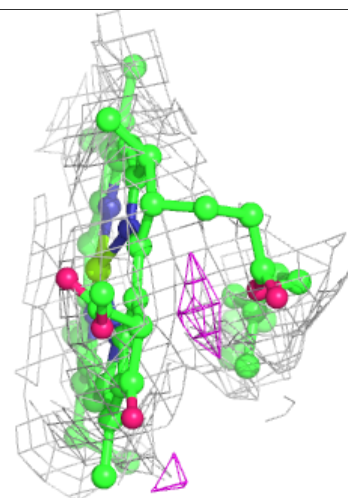
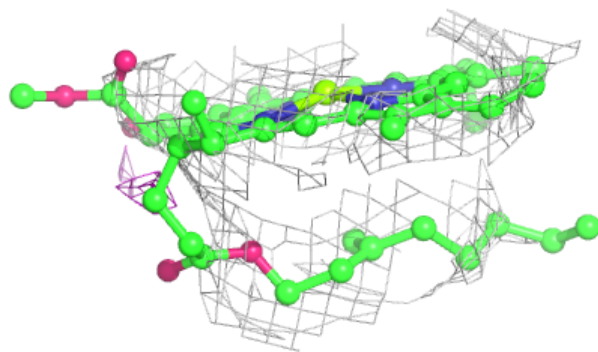
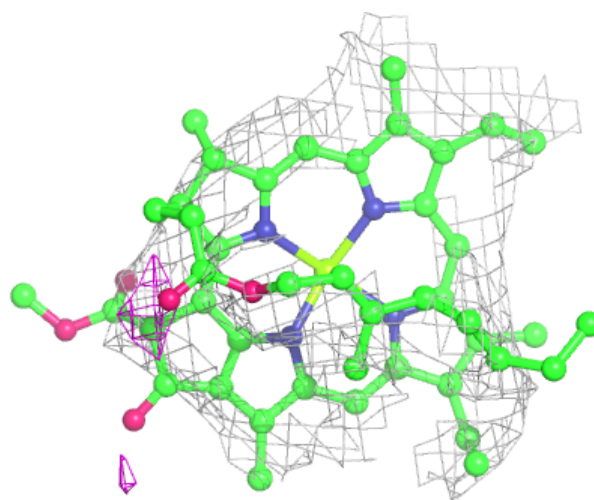
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

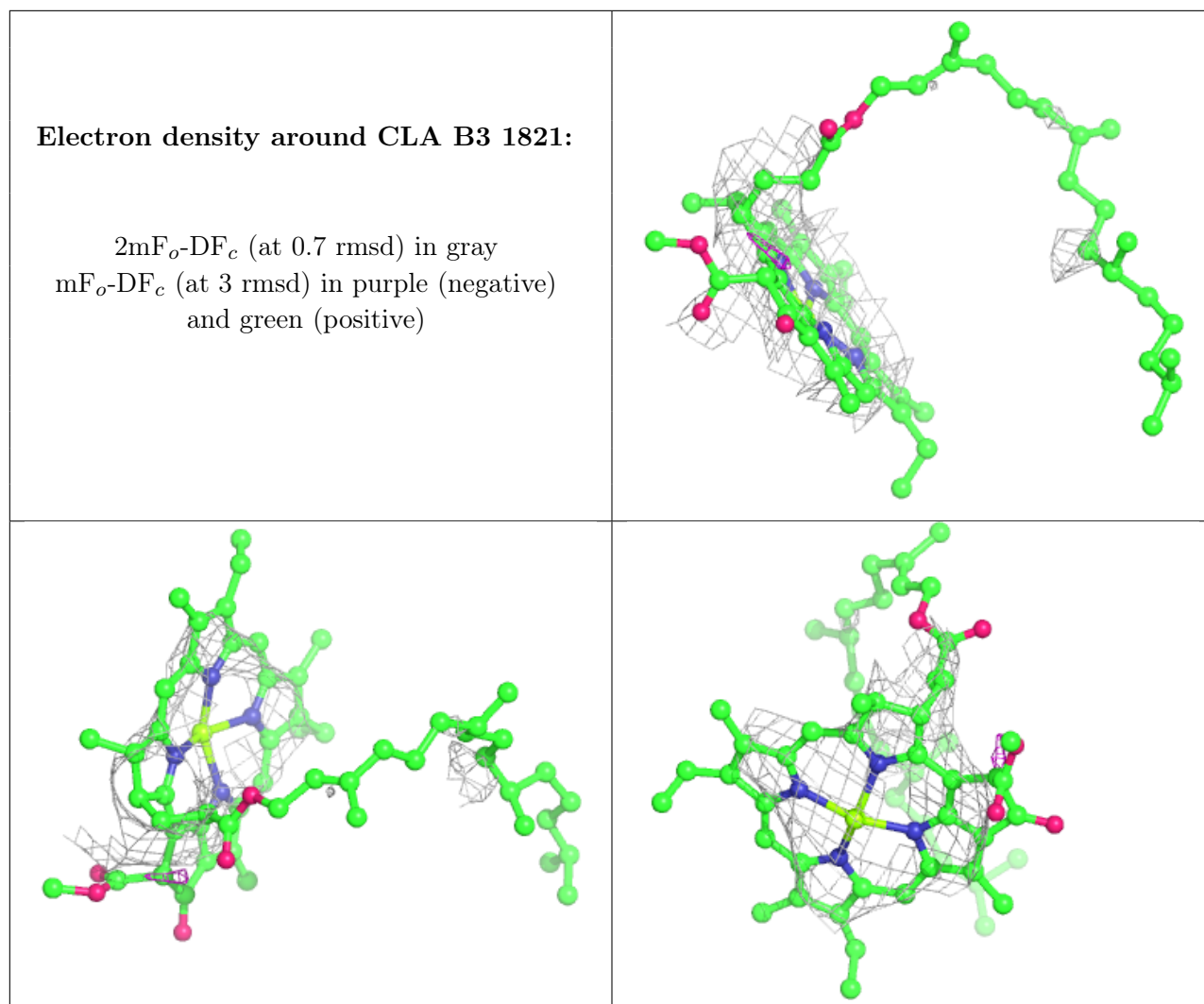




**Electron density around CLA A1 811:**

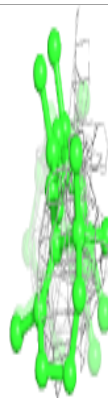
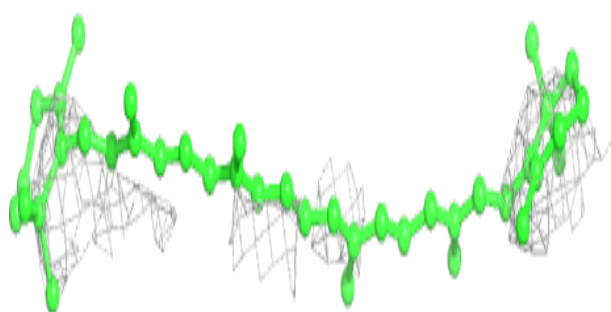
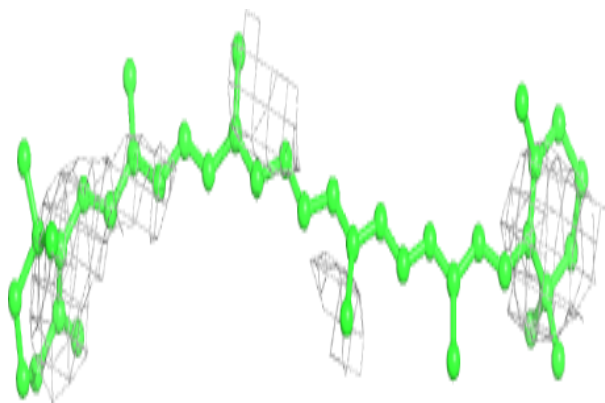
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



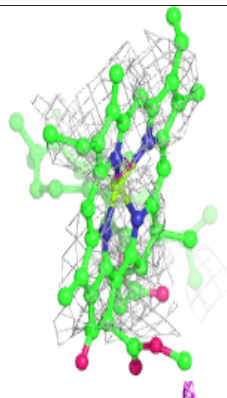
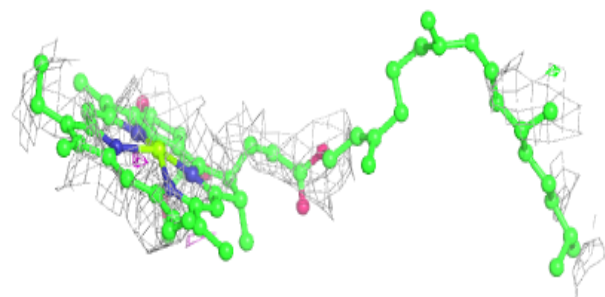
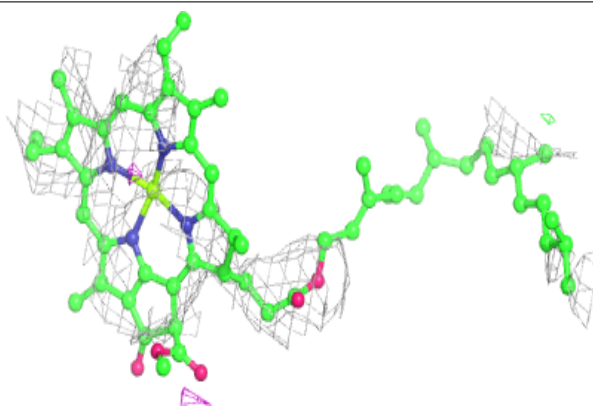


**Electron density around BCR A4 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

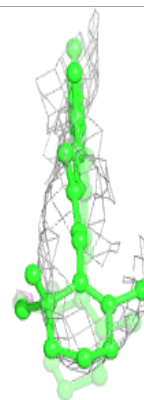
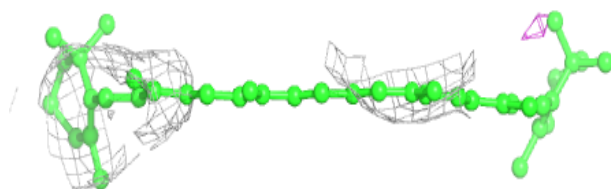
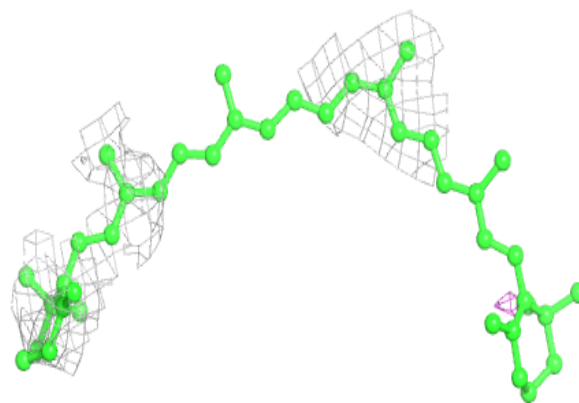
**Electron density around CLA B1 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

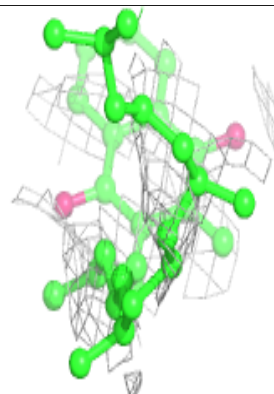
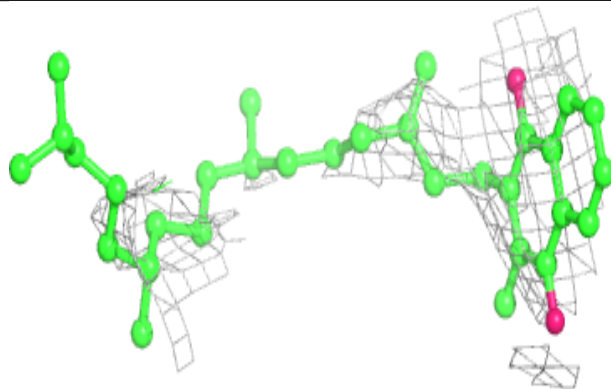
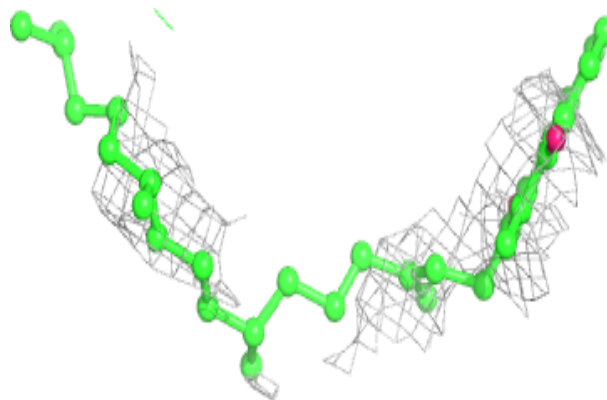


**Electron density around BCR F6 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around PQN B5 1844:**

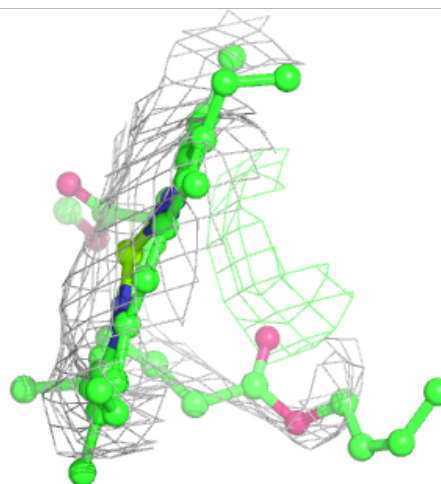
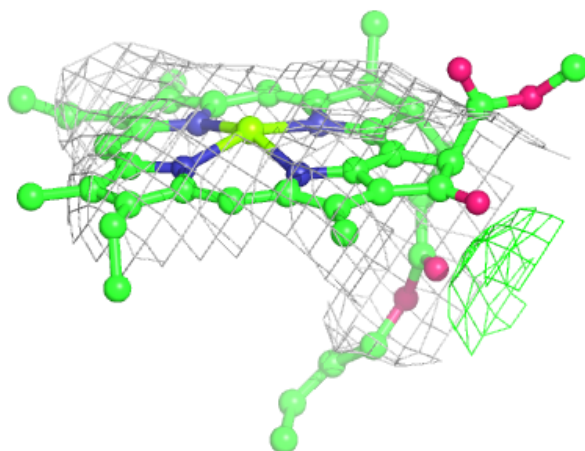
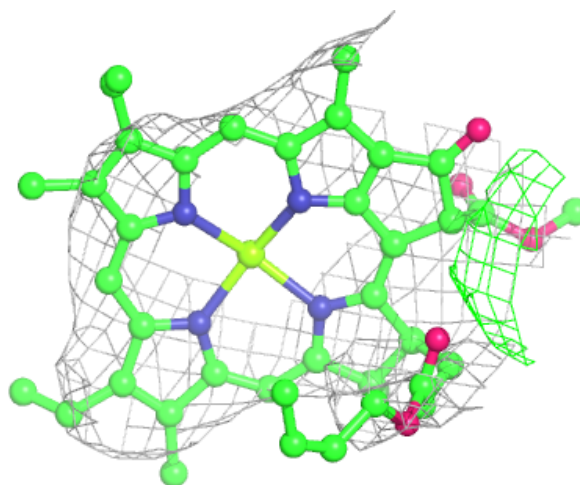
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





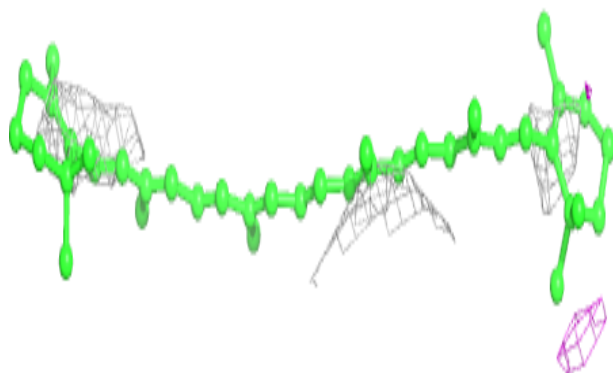
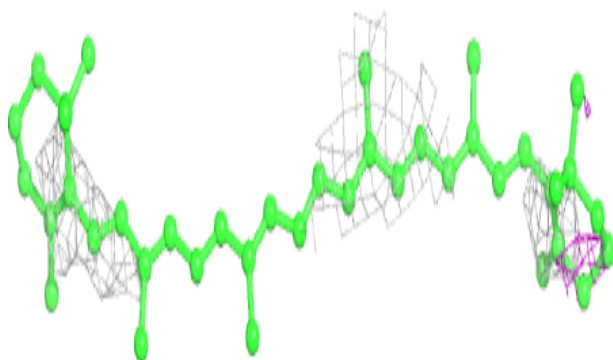
**Electron density around CLA B6 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

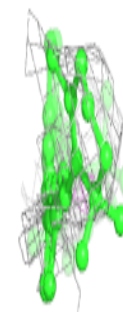
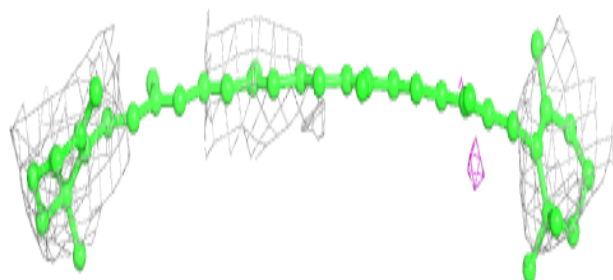
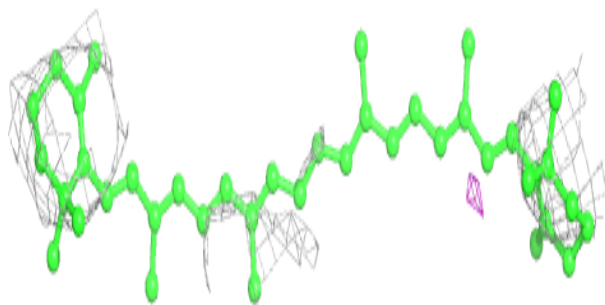


**Electron density around BCR A5 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A6 1643:**

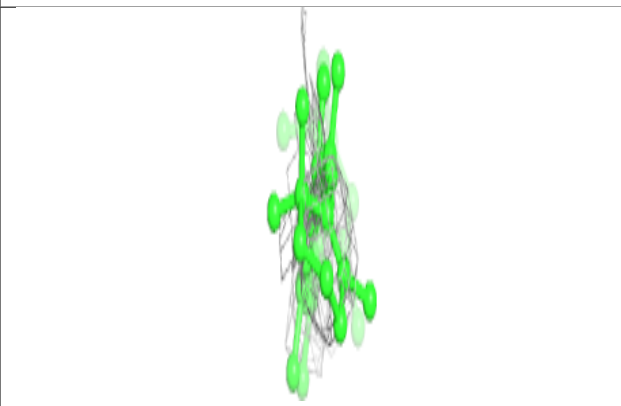
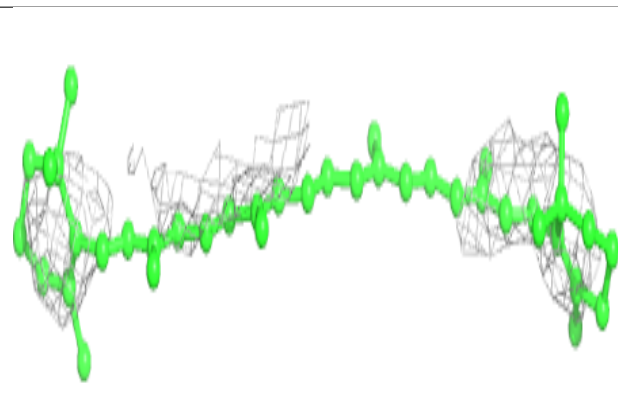
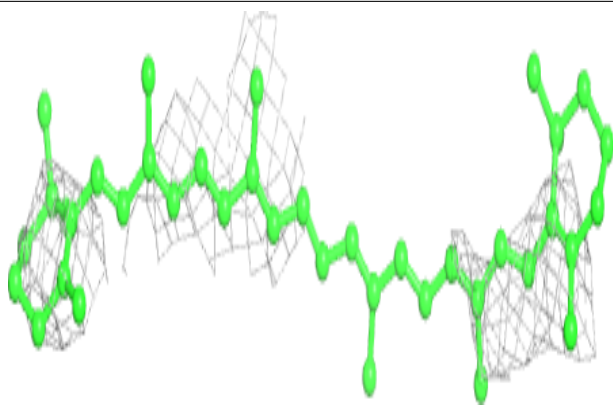
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



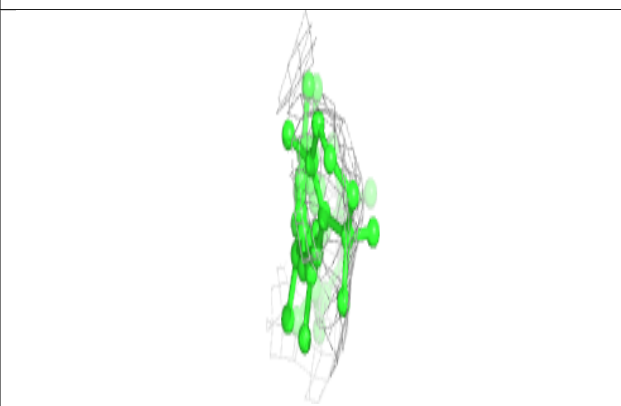
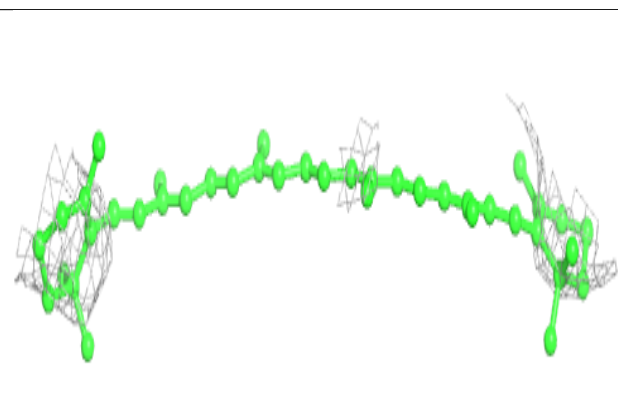
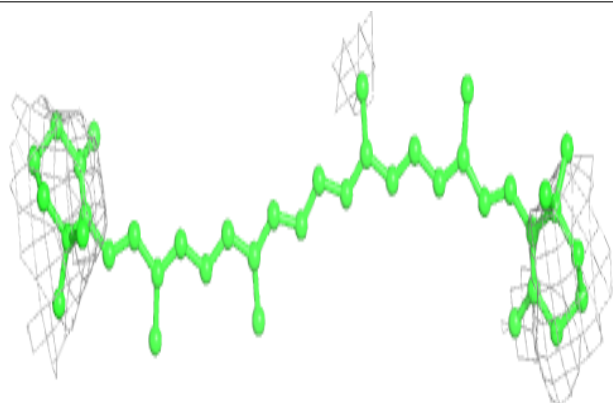


**Electron density around BCR A2 1650:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

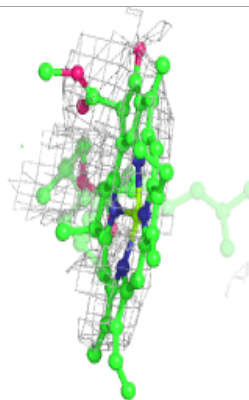
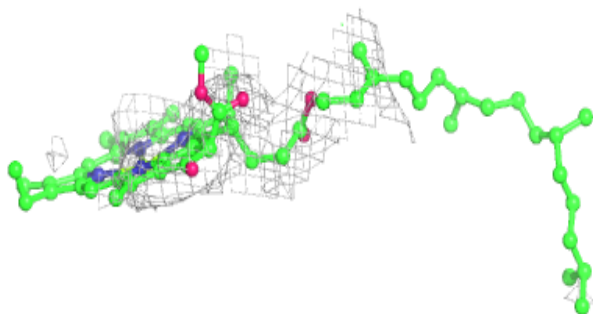
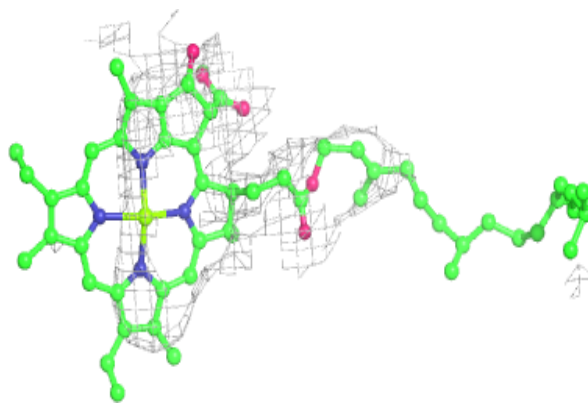
**Electron density around BCR B6 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

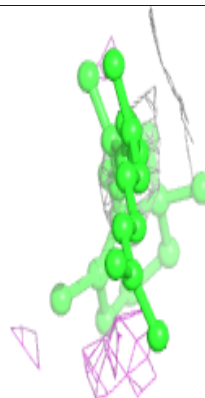
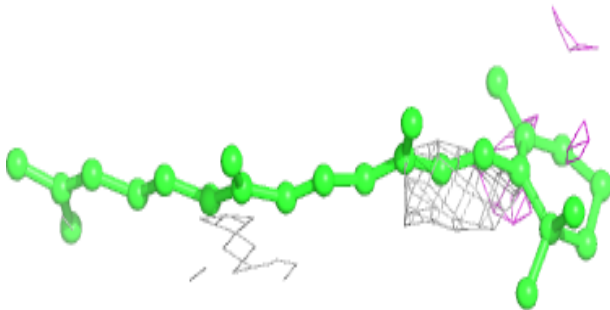
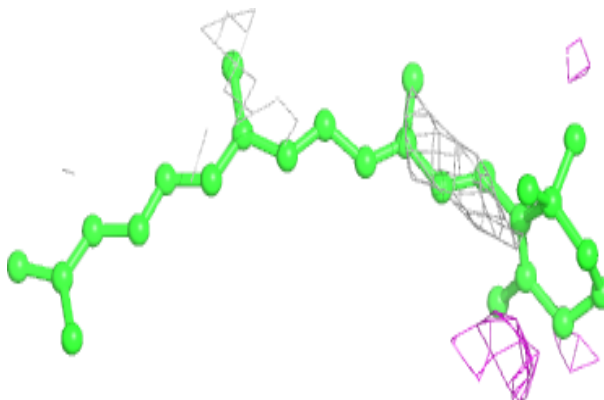


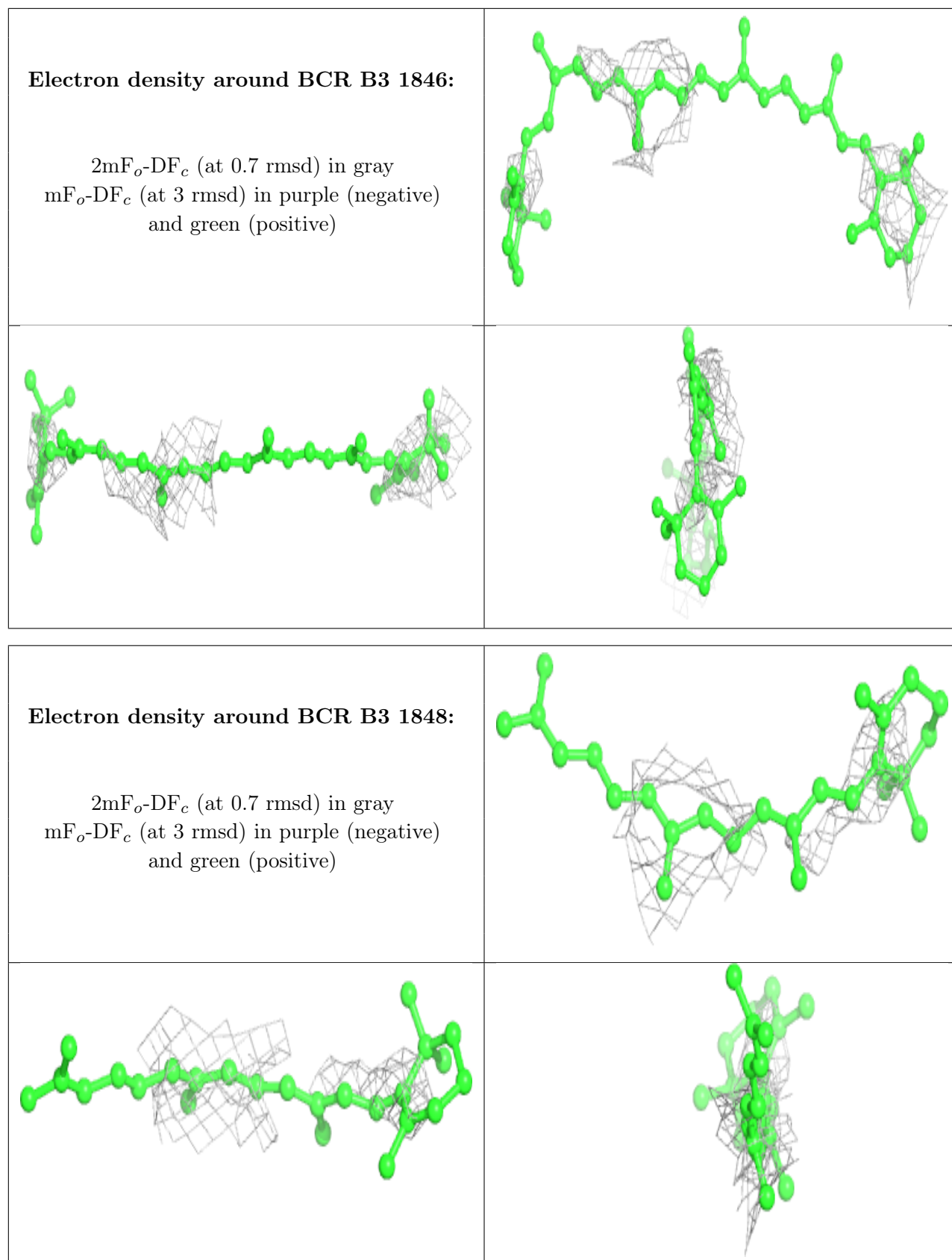
**Electron density around CLA A1 804:**

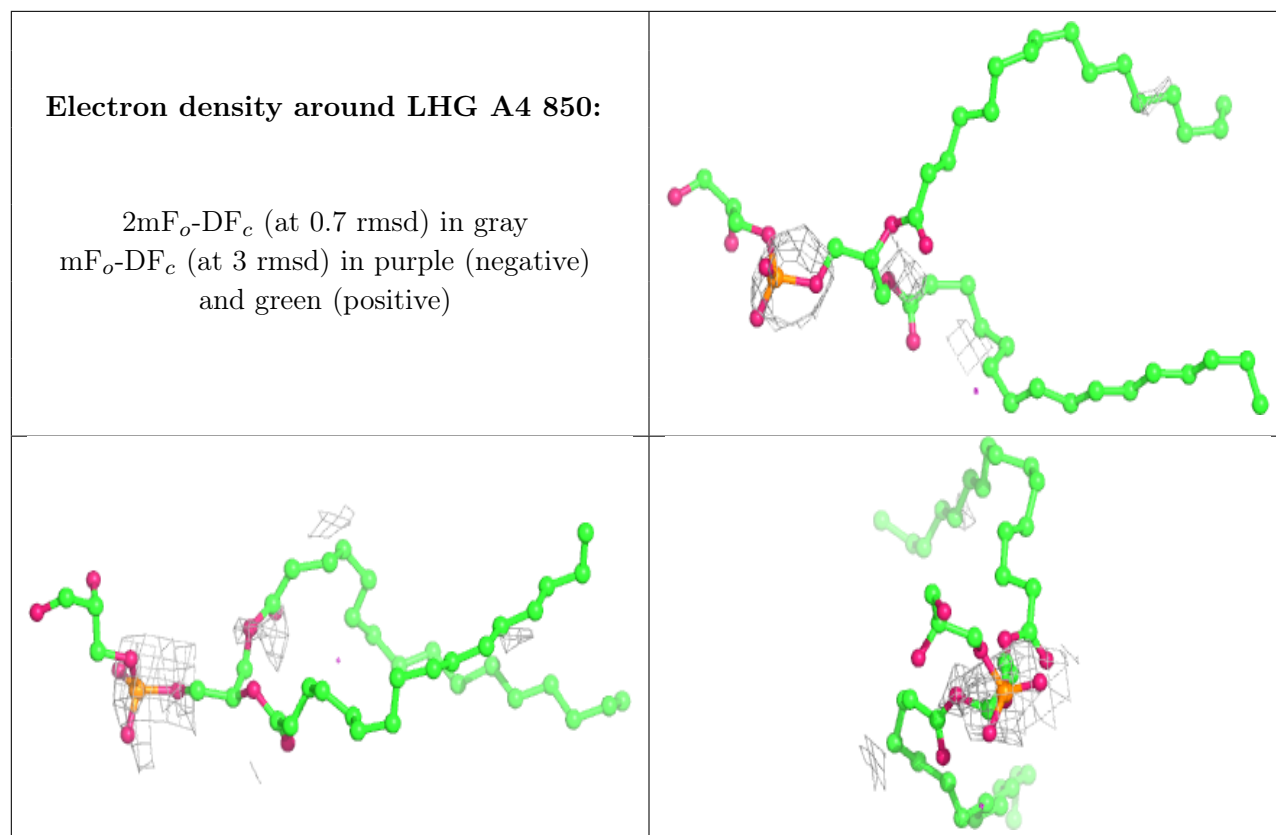
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR B5 1848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

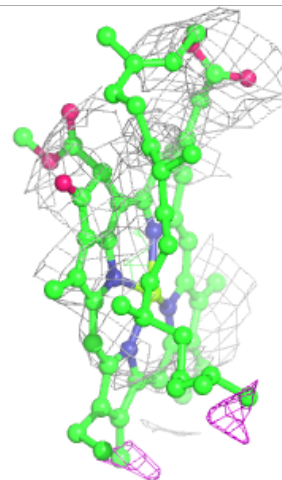
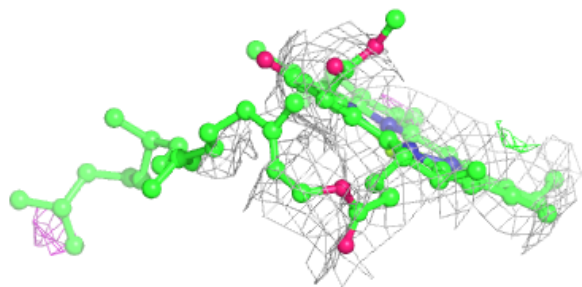
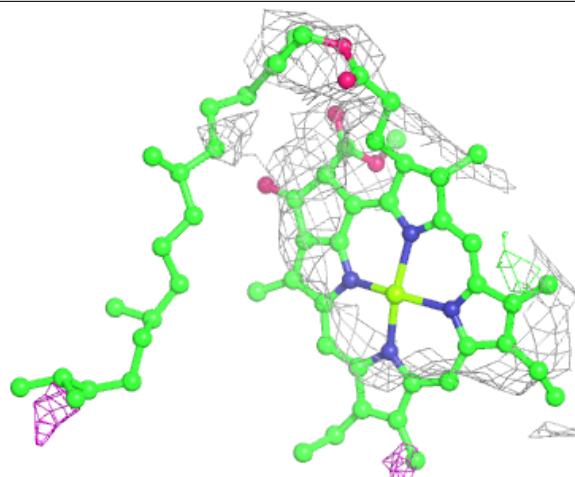


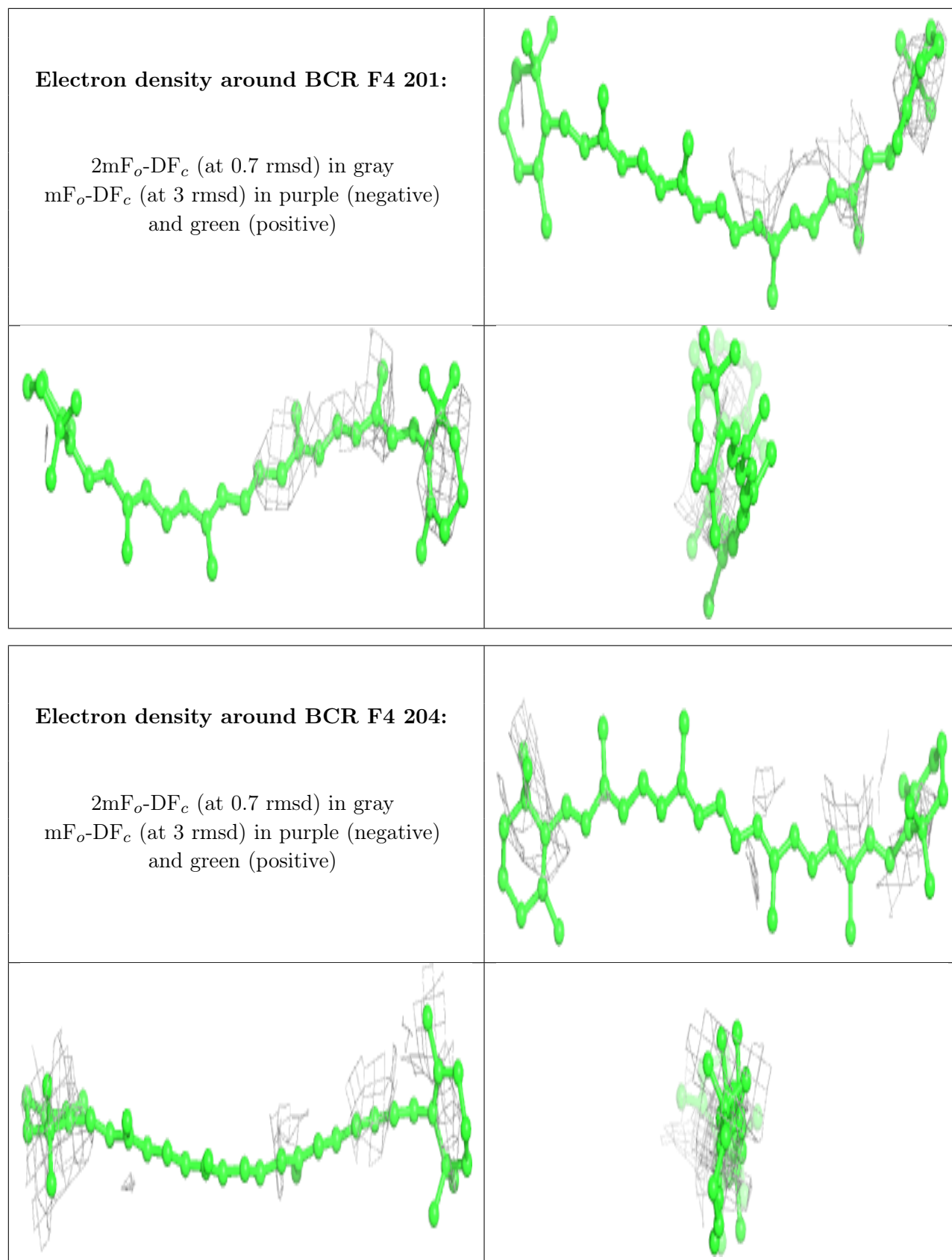




**Electron density around CLA A1 824:**

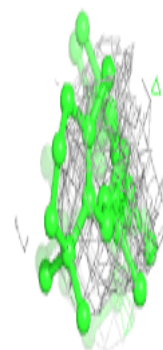
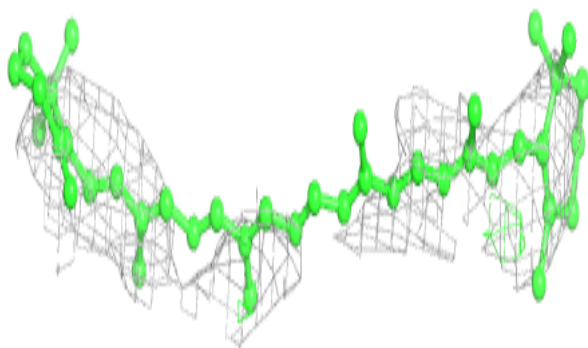
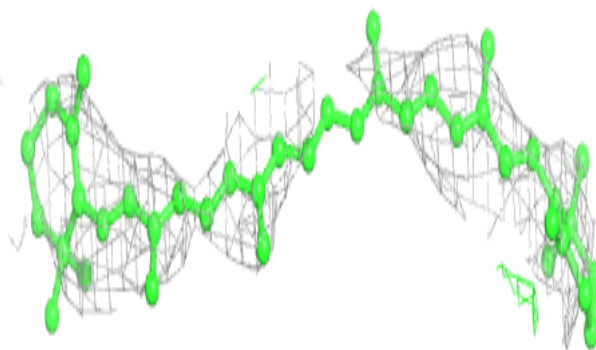
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



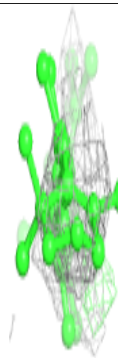
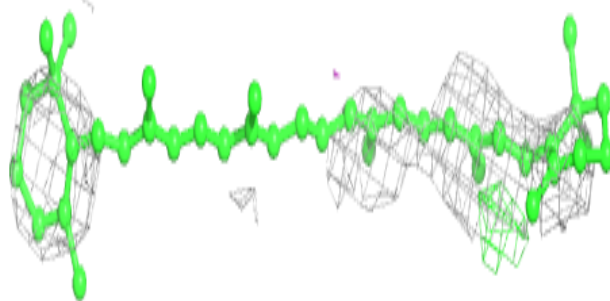
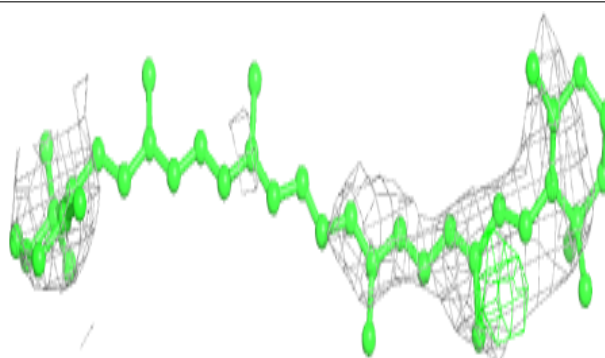


**Electron density around BCR I4 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR L1 209:**

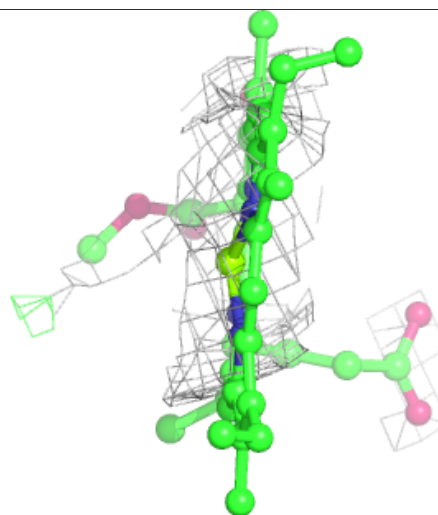
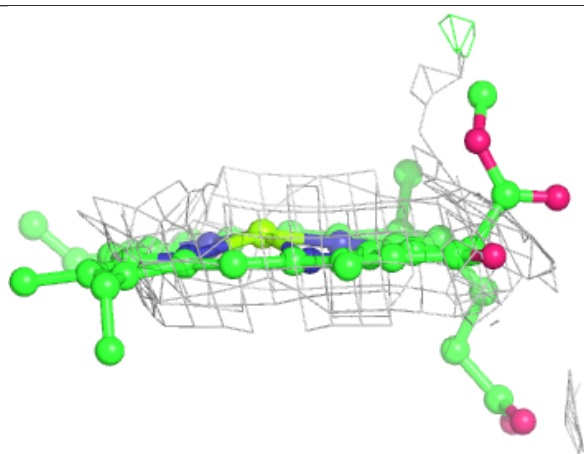
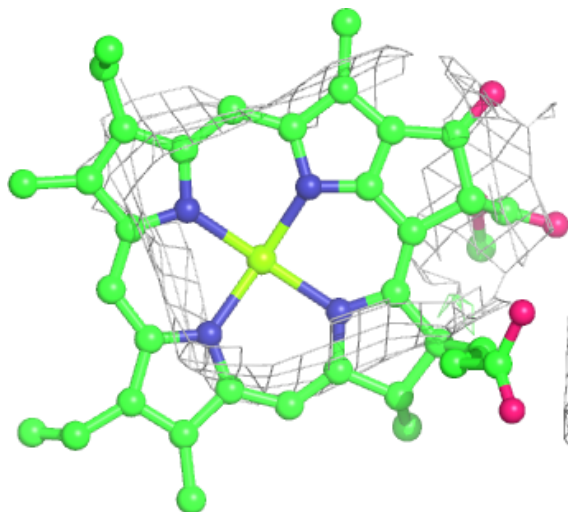
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B5 1823:**

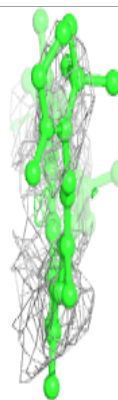
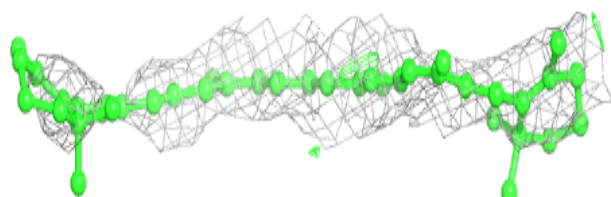
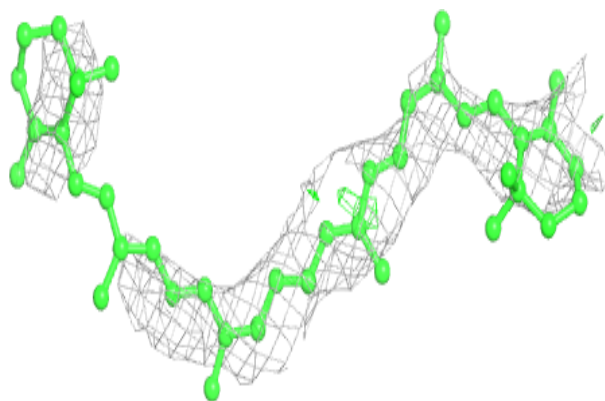
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



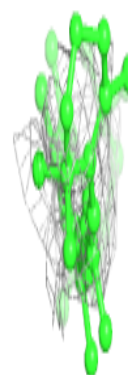
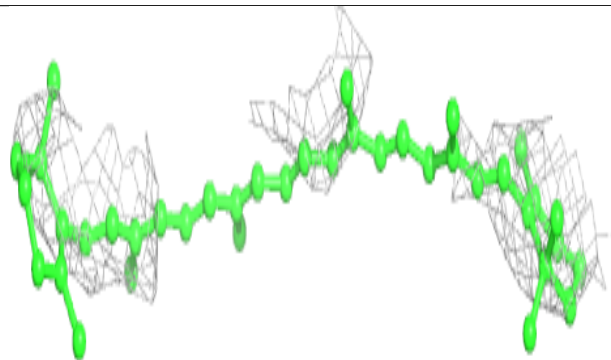
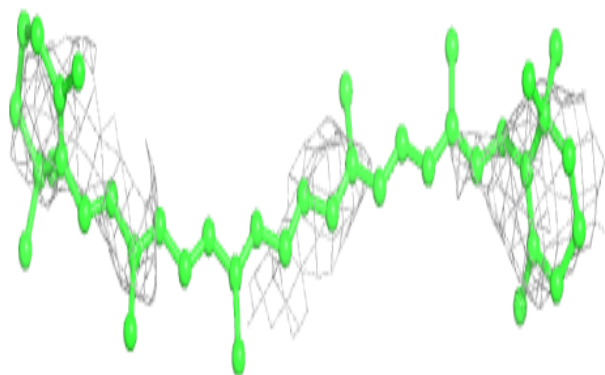


**Electron density around BCR A5 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

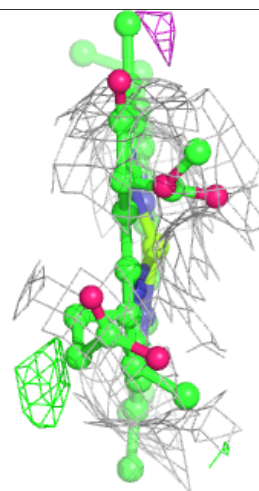
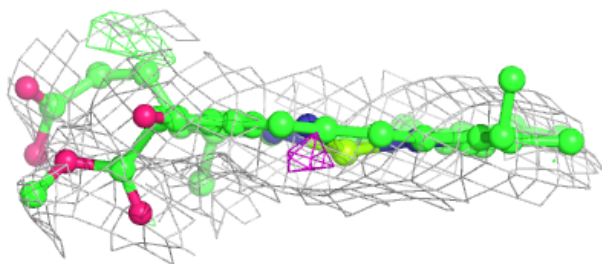
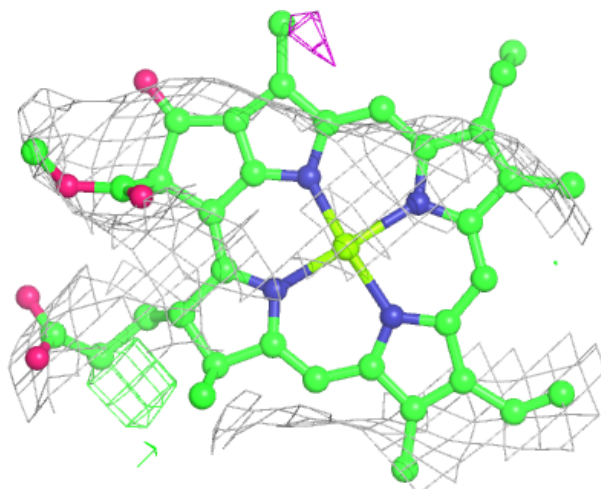
**Electron density around BCR A1 844:**

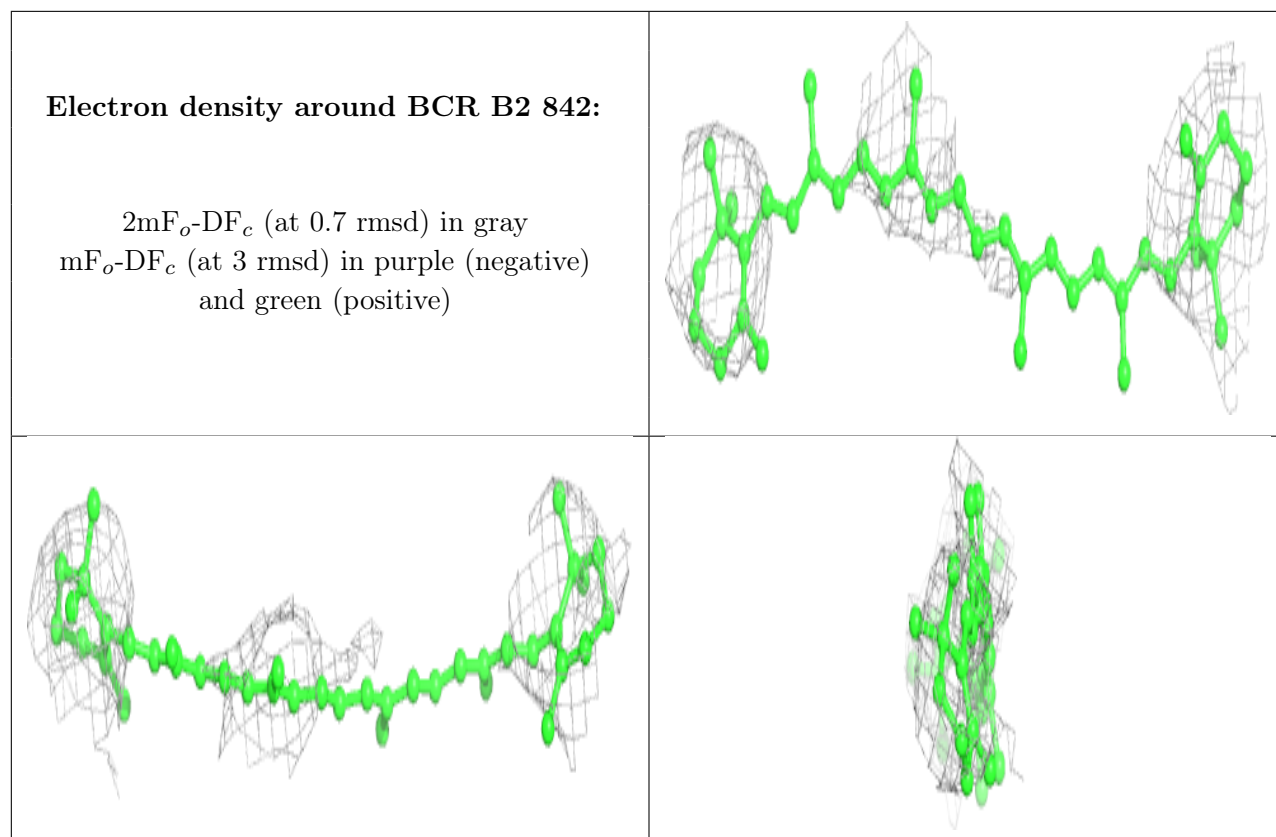
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

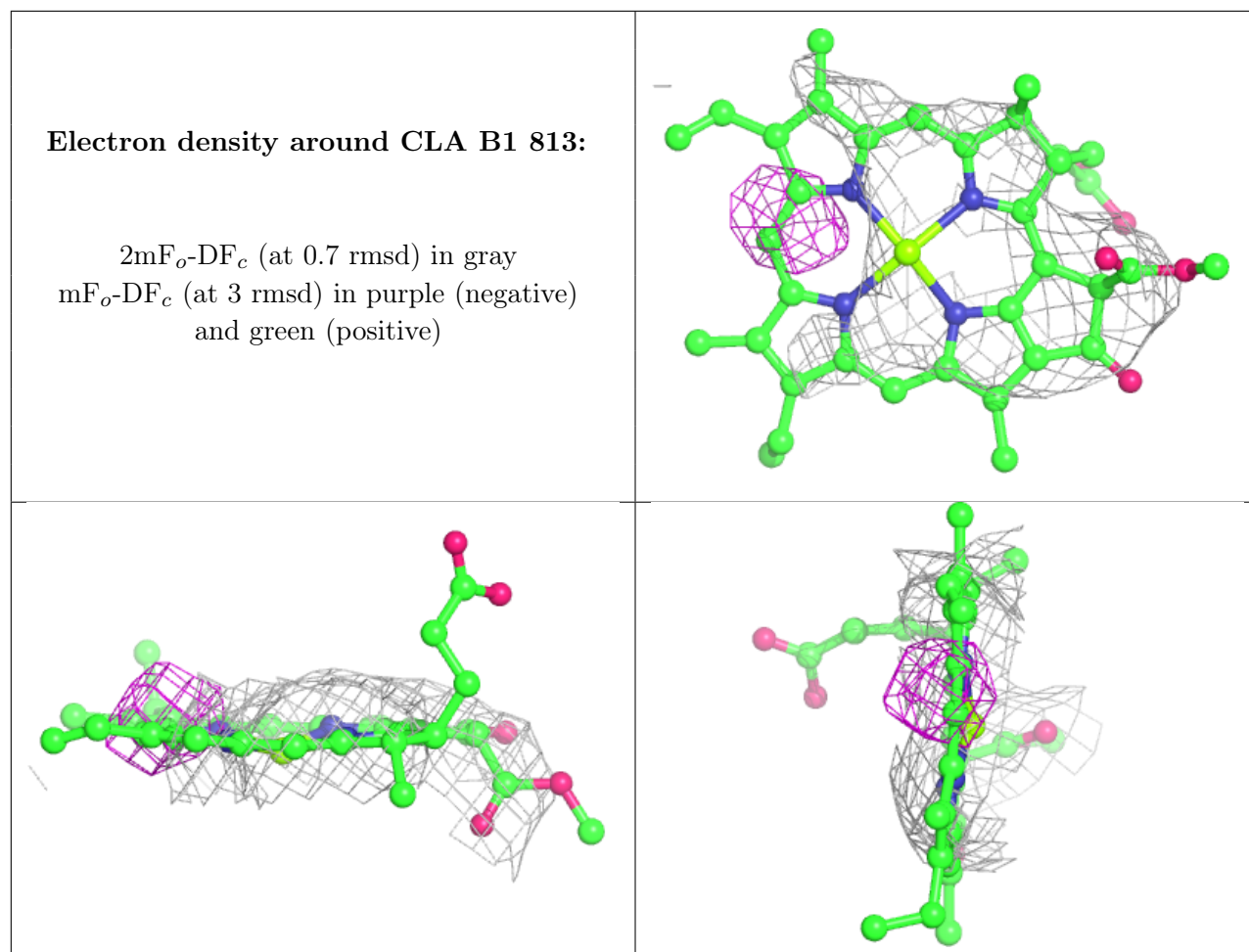


**Electron density around CLA B4 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

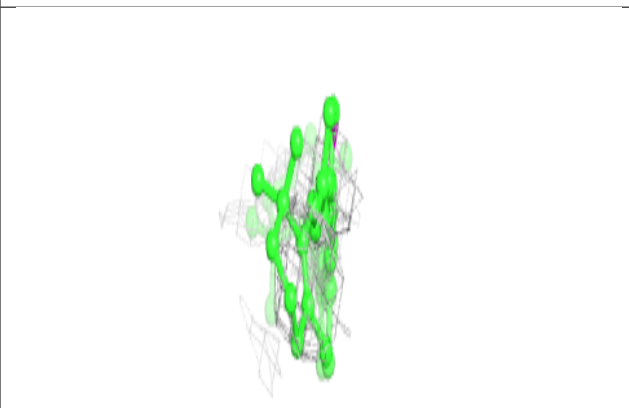
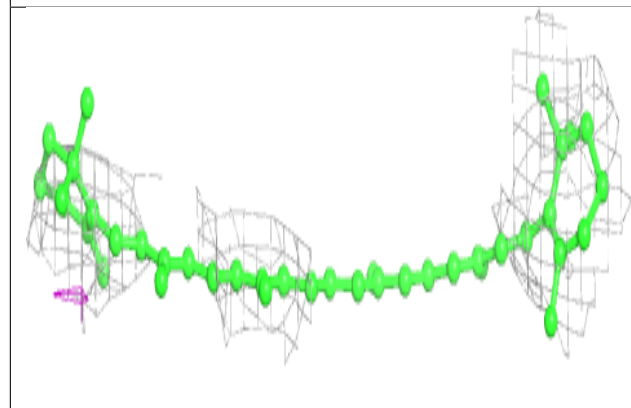
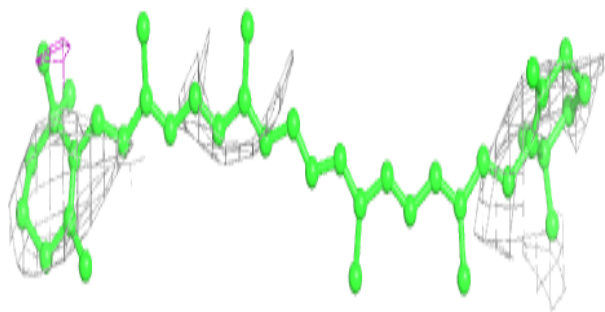




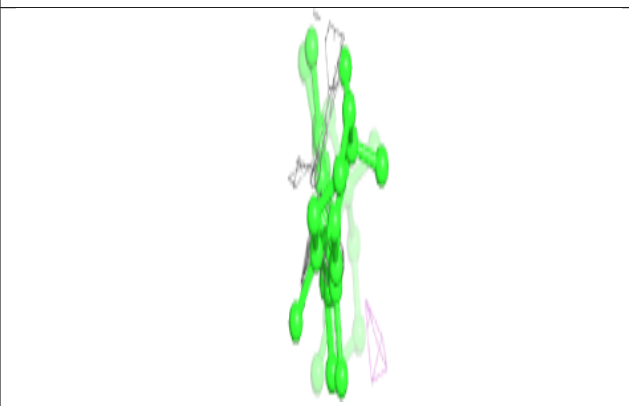
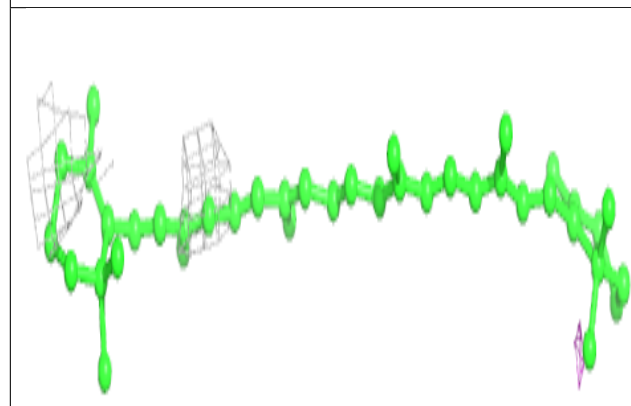
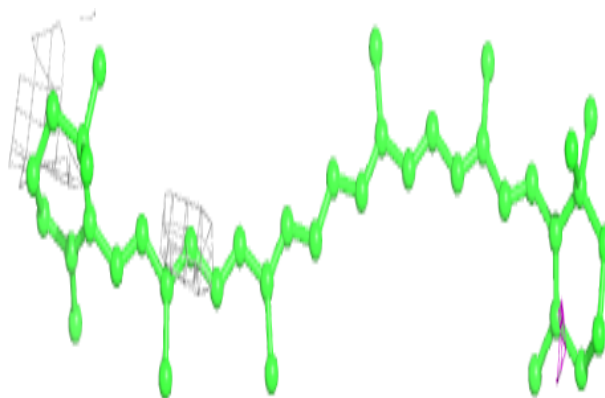


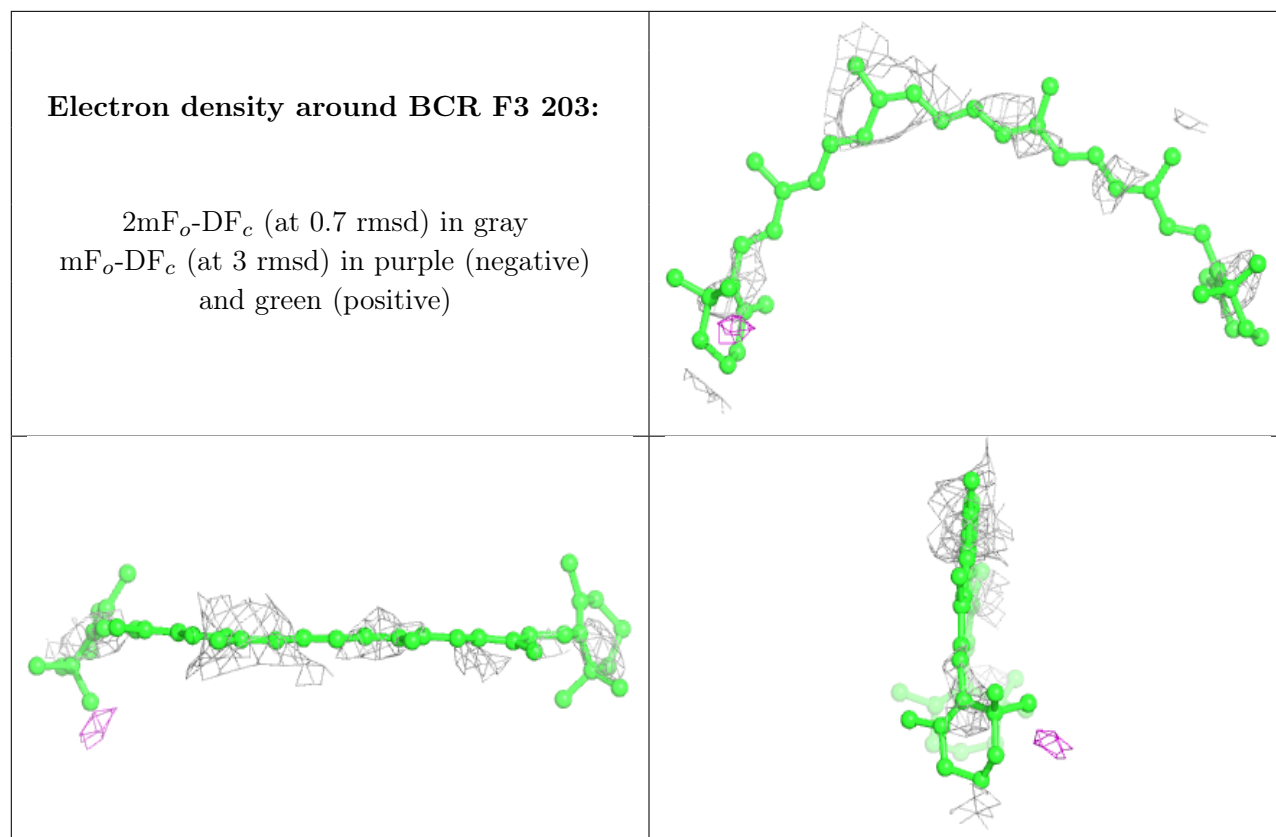
**Electron density around BCR A2 1647:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR J4 103:**

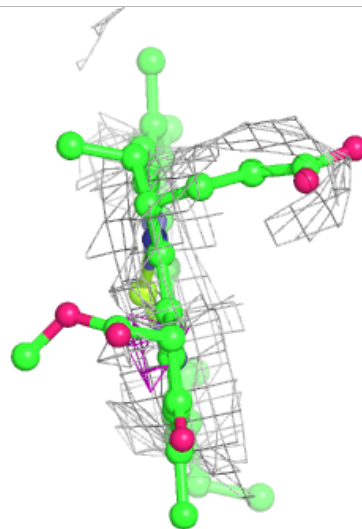
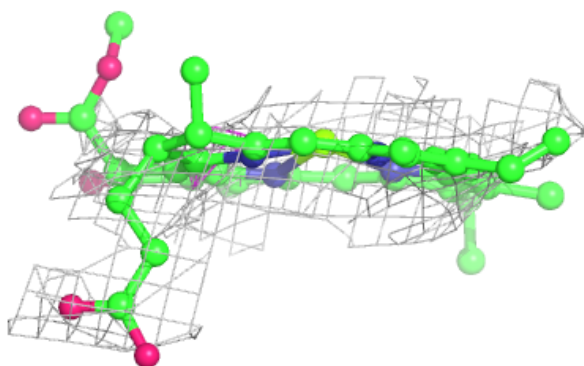
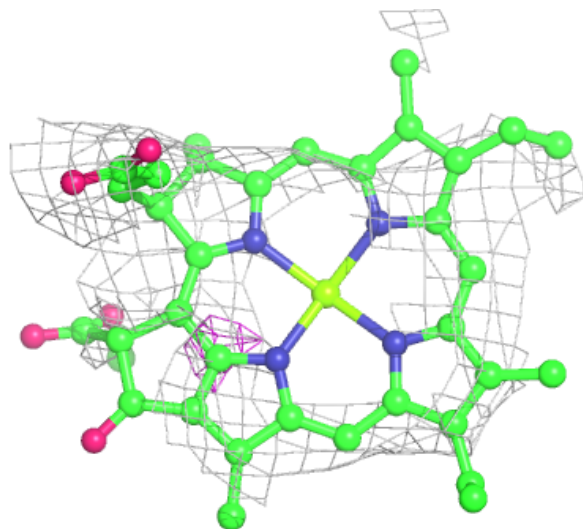
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B1 835:**

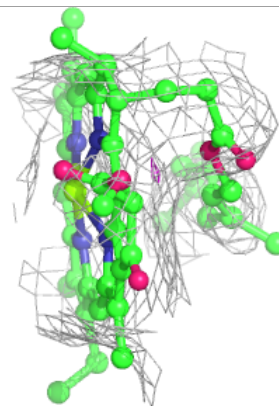
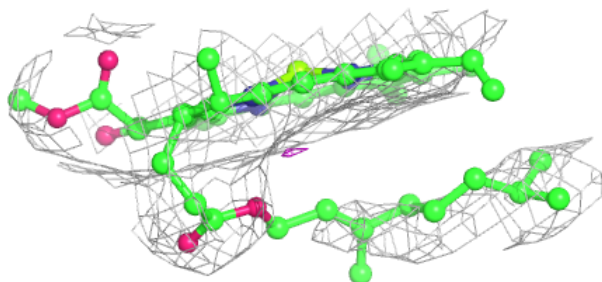
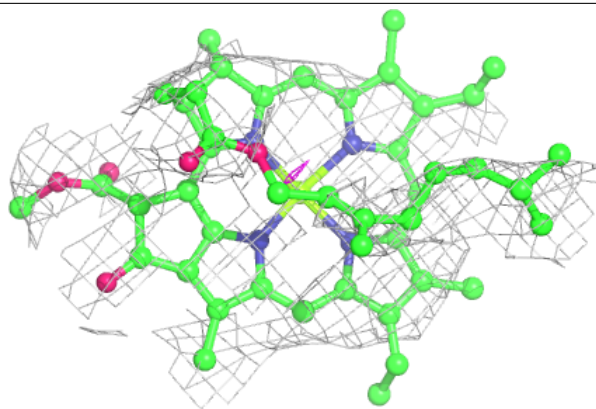
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



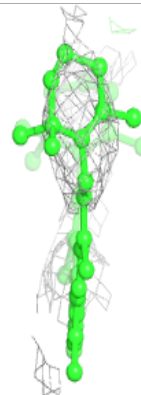
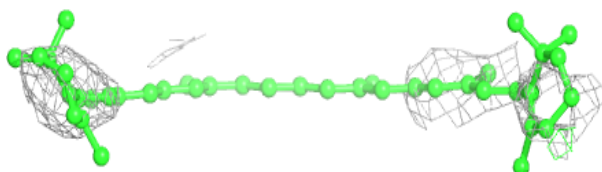
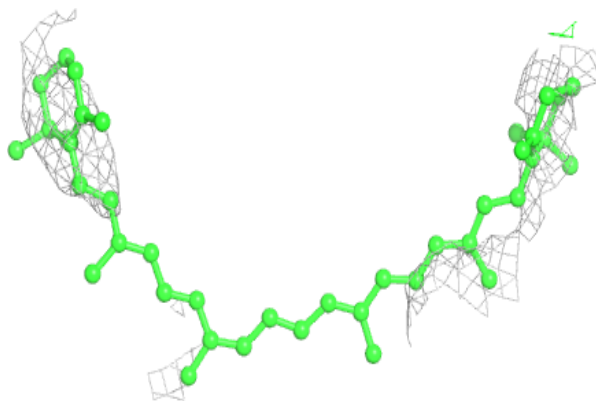


**Electron density around CLA B3 1824:**

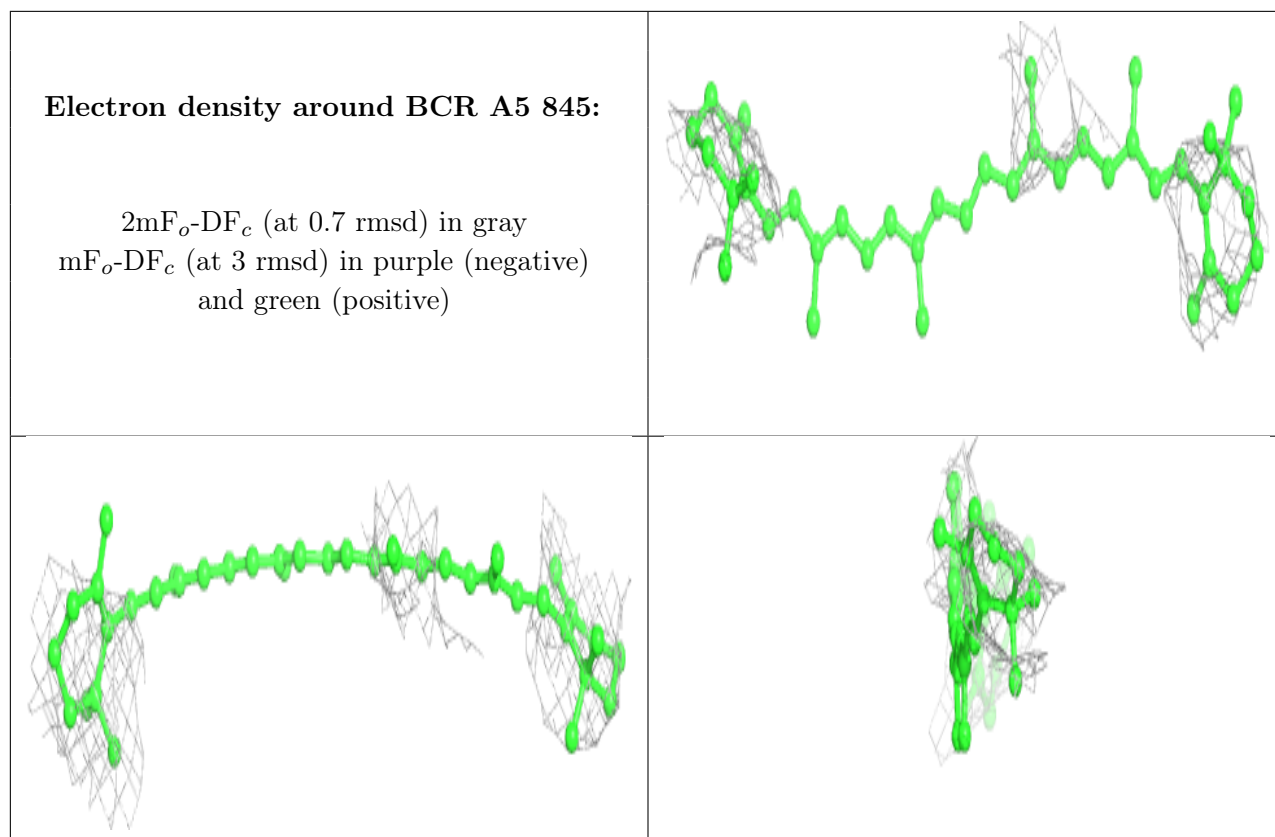
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR F4 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

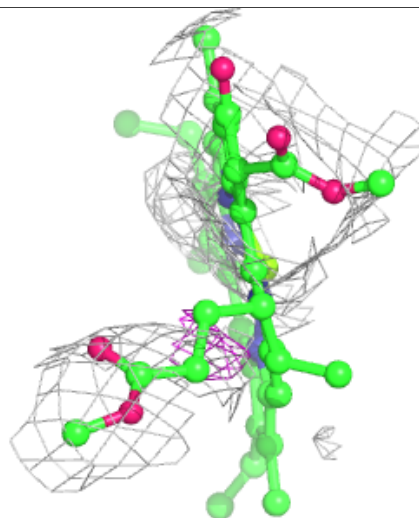
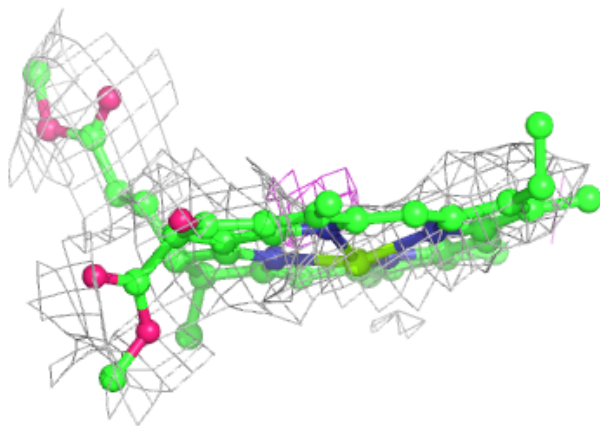
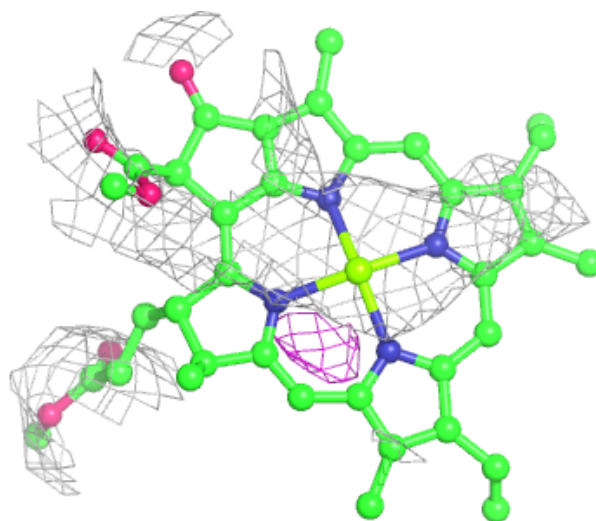






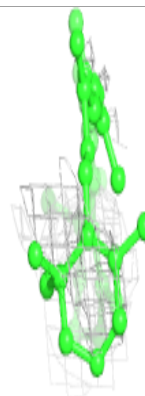
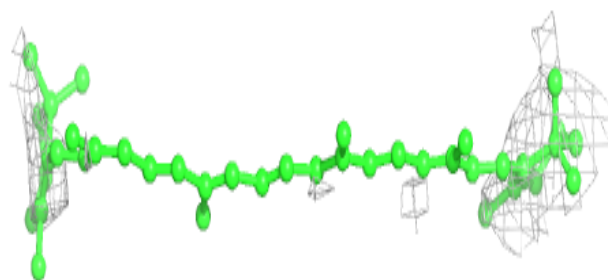
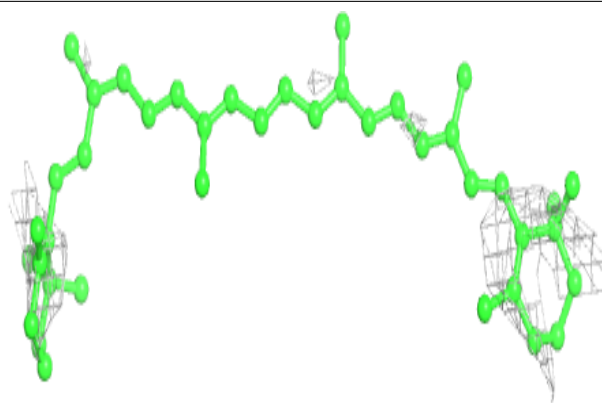
**Electron density around CLA B5 1827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

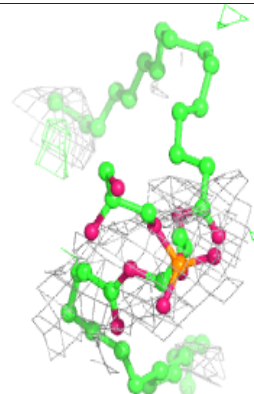
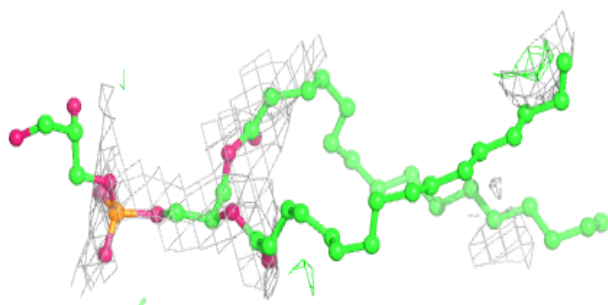
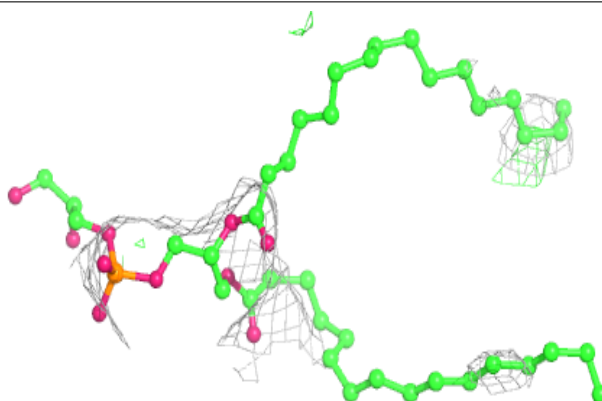


**Electron density around BCR B2 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

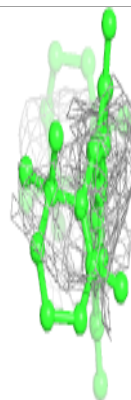
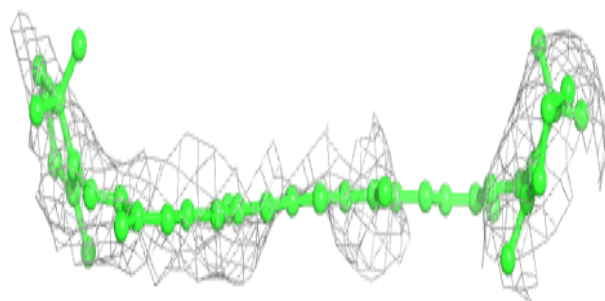
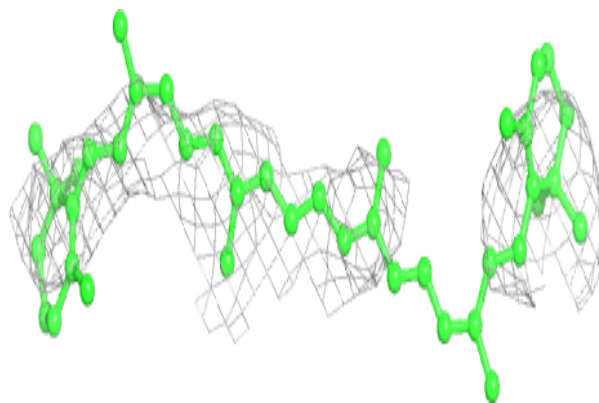
**Electron density around LHG A1 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

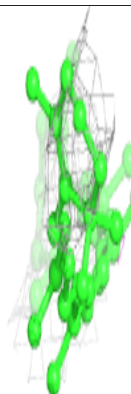
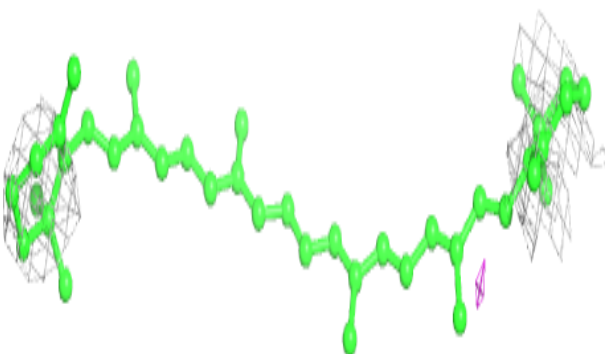
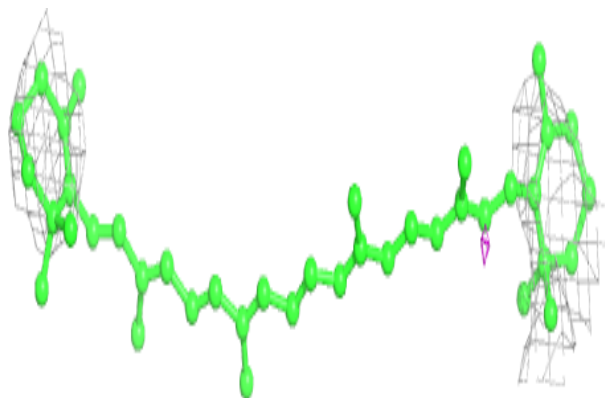


**Electron density around BCR B3 1847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

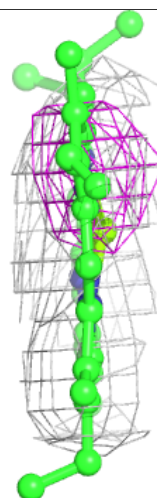
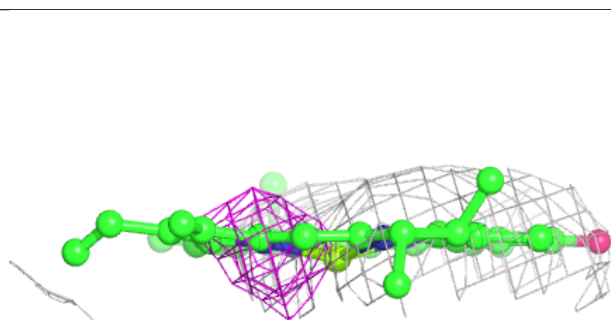
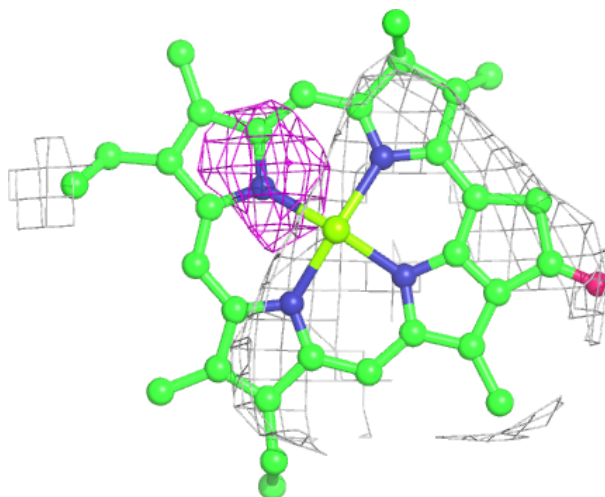
**Electron density around BCR J2 103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



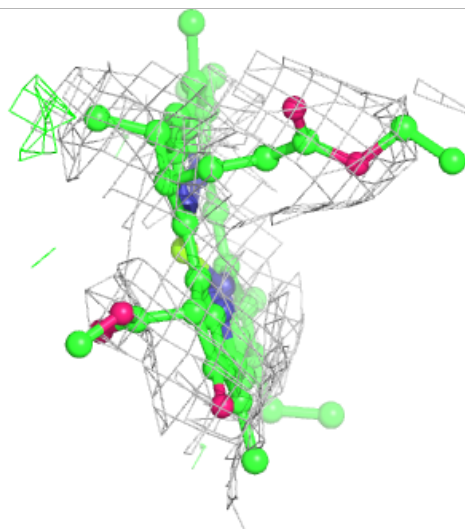
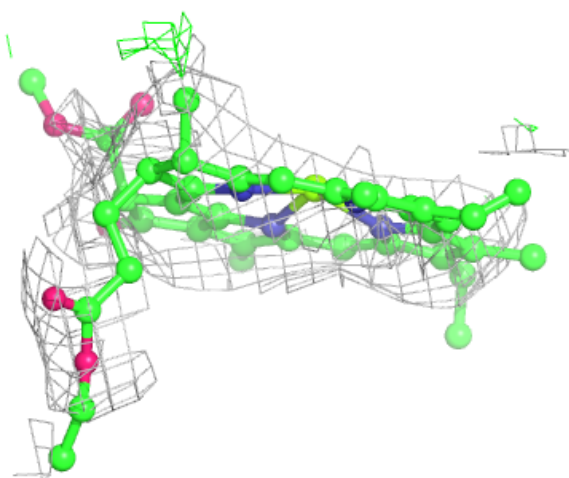
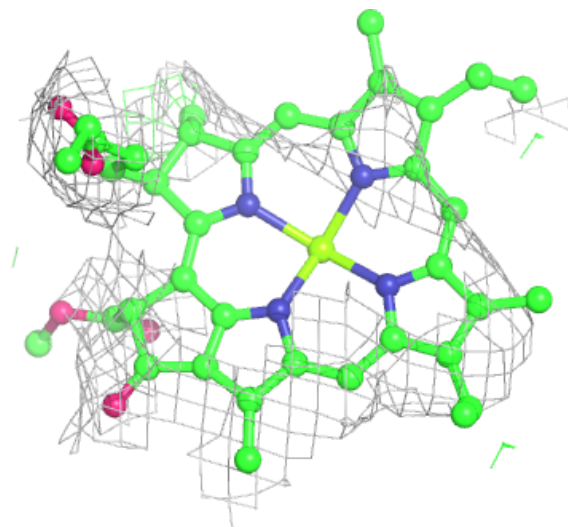
**Electron density around CLA F2 204:**

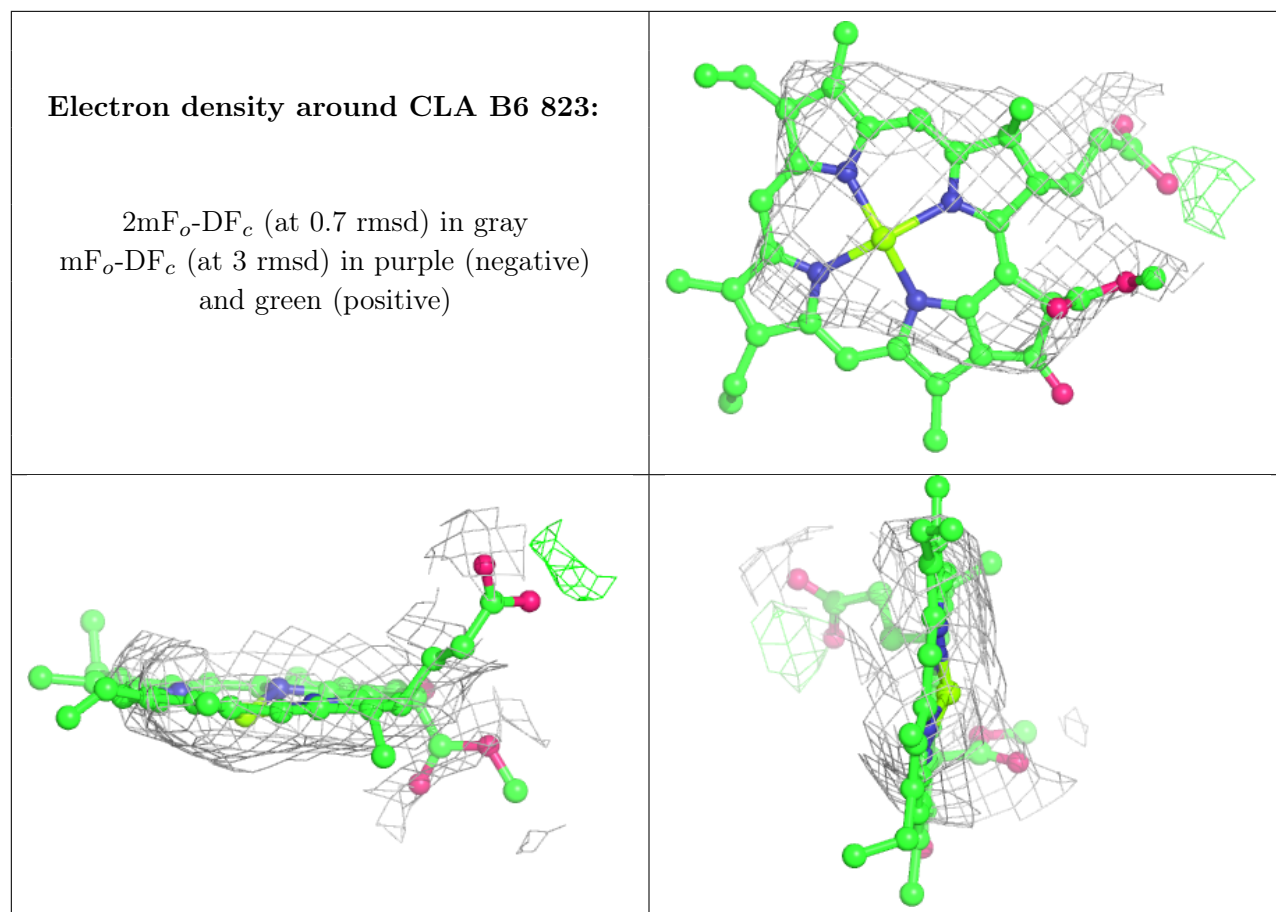
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



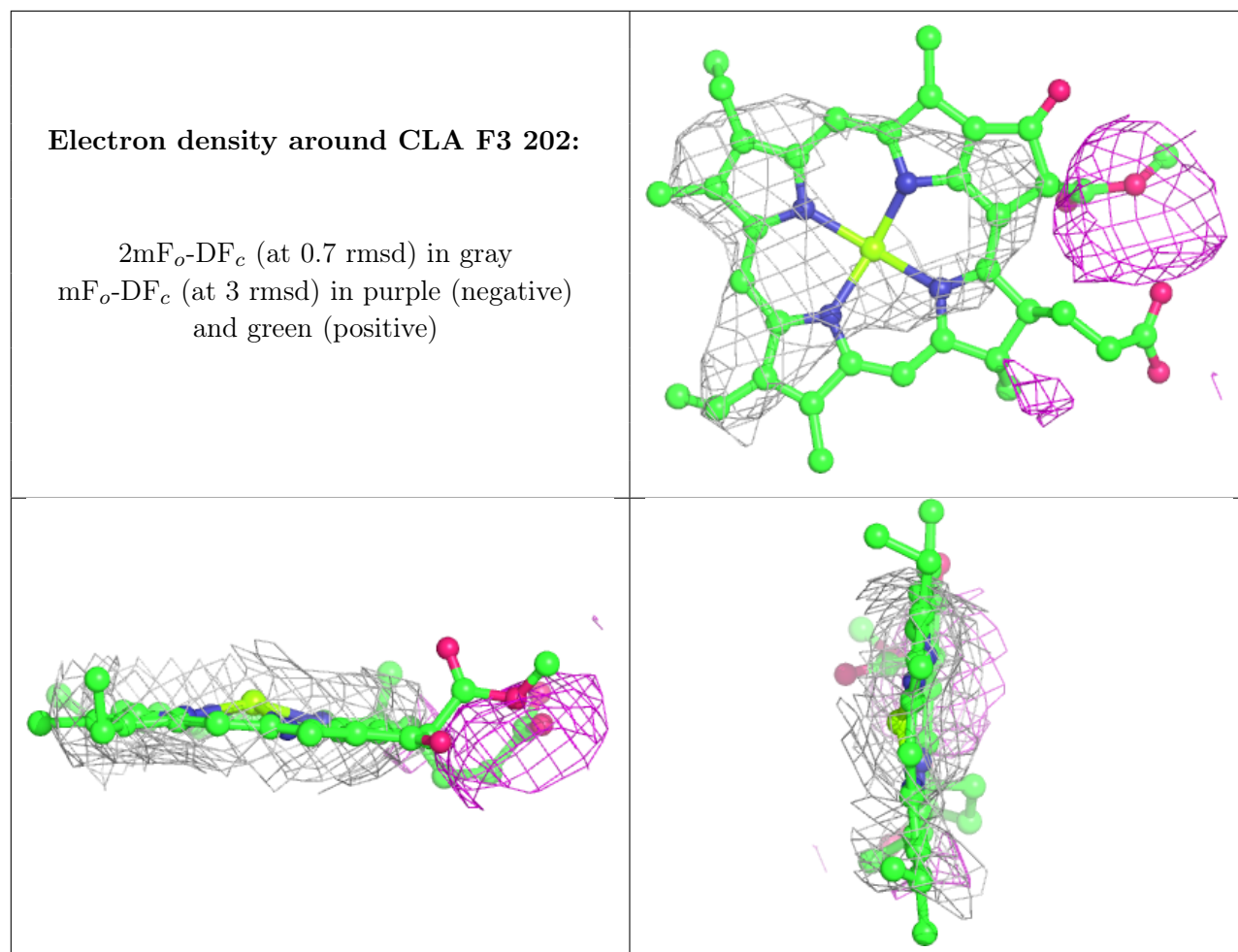
**Electron density around CLA B1 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





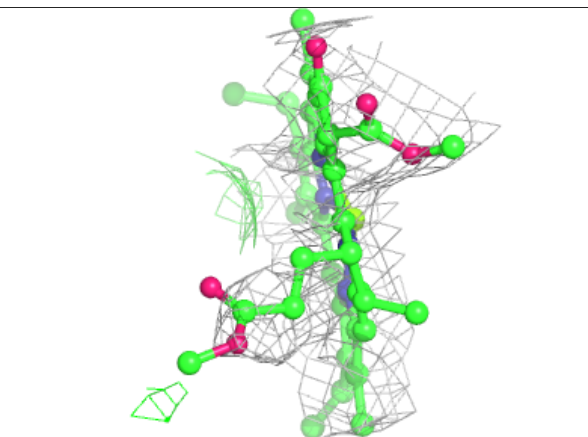
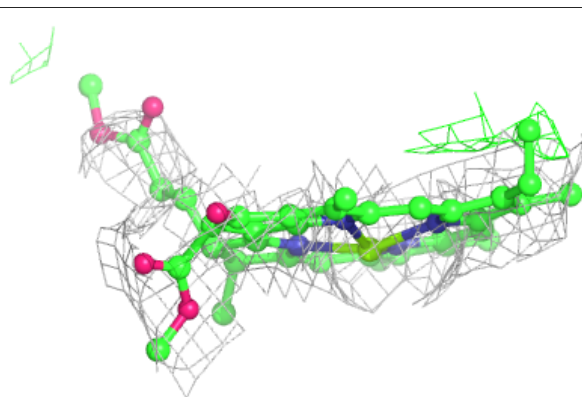
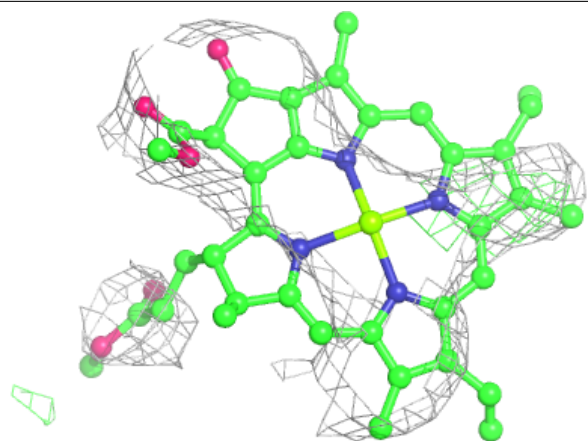




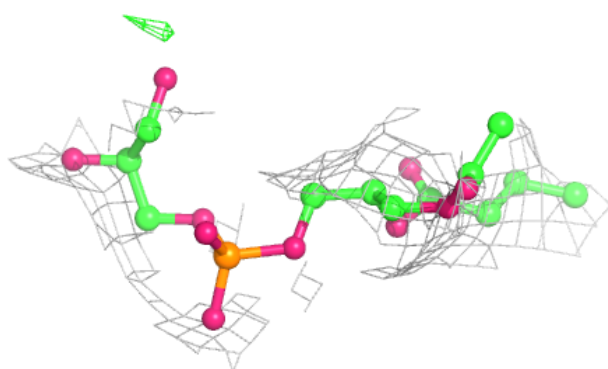
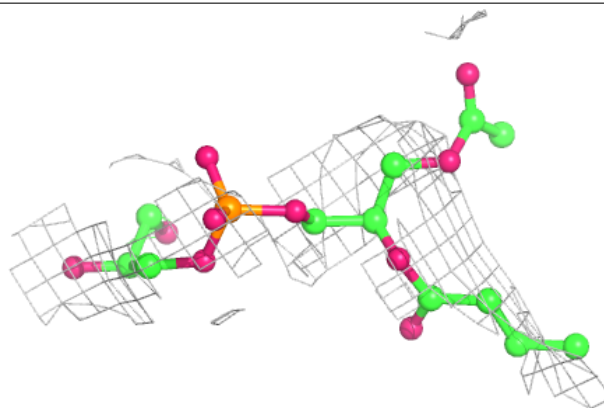


**Electron density around CLA B1 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

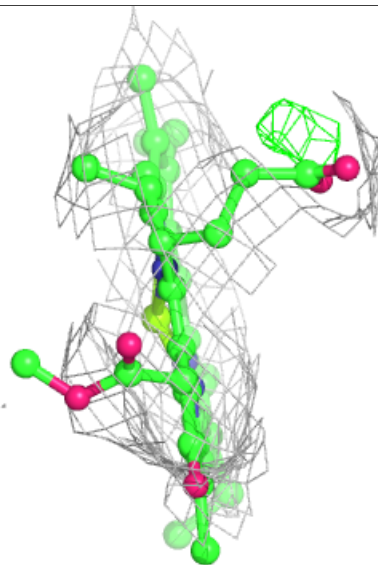
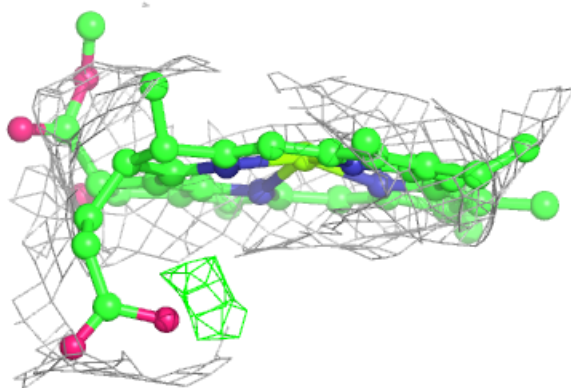
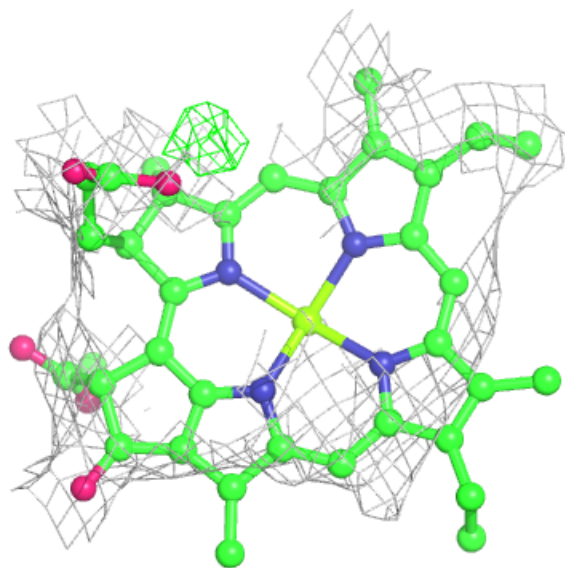
**Electron density around LHG B2 849:**

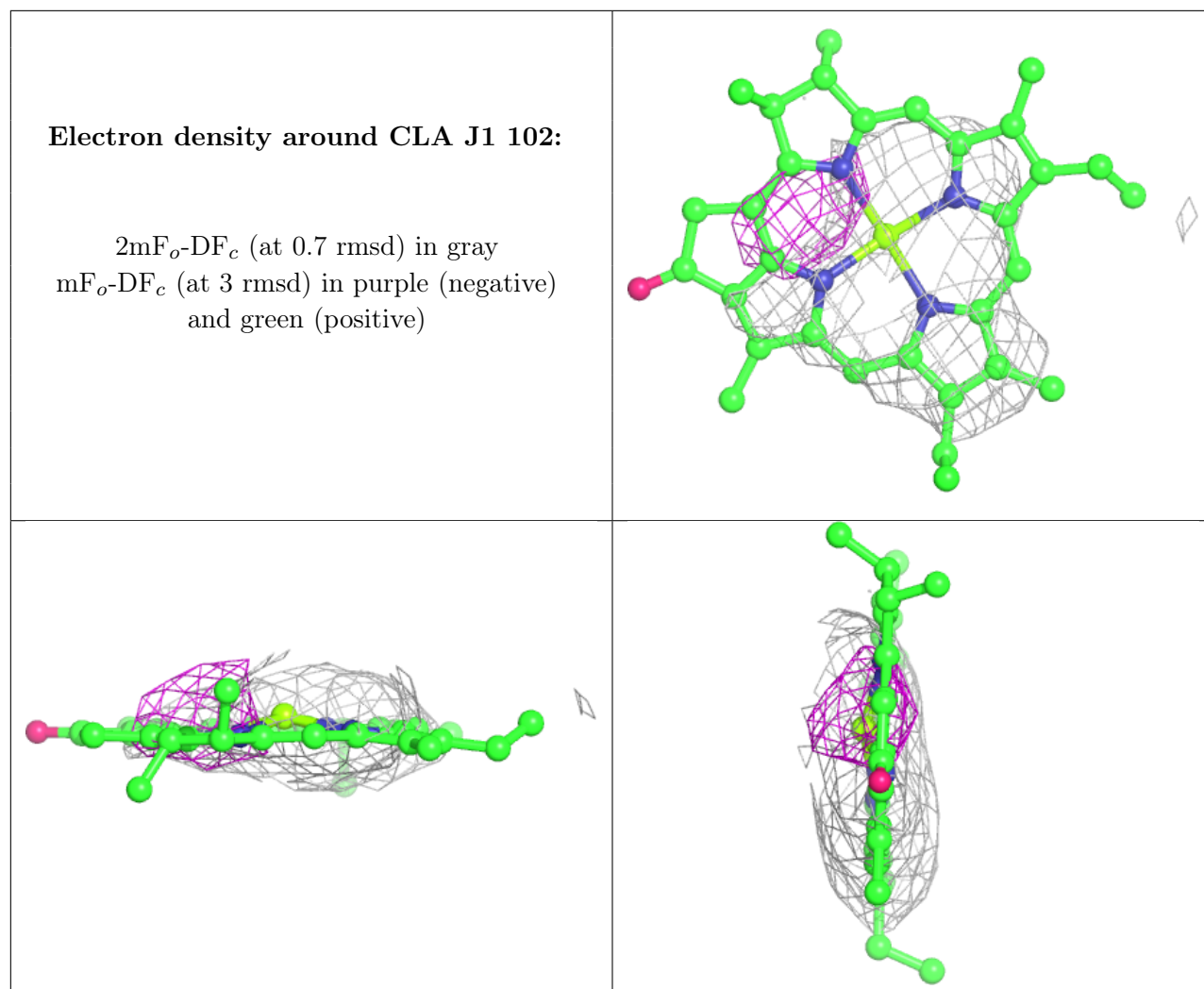
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B1 831:**

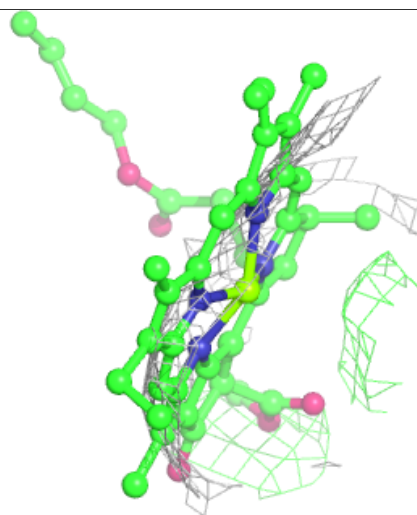
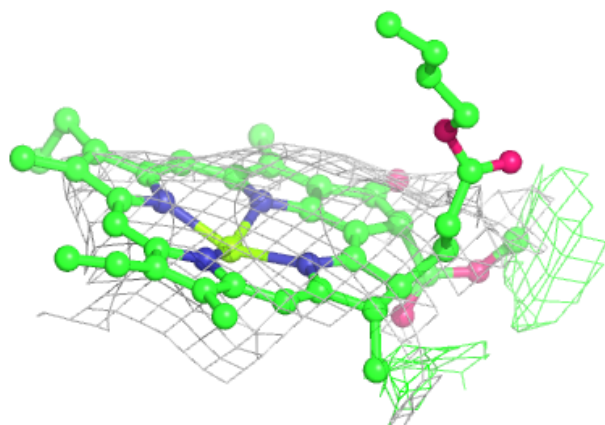
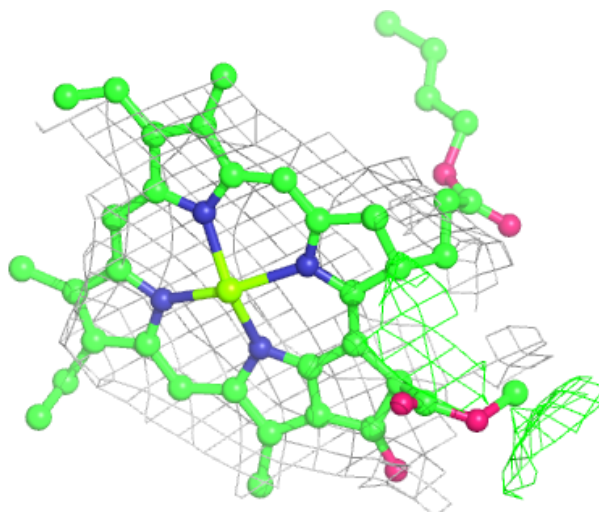
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

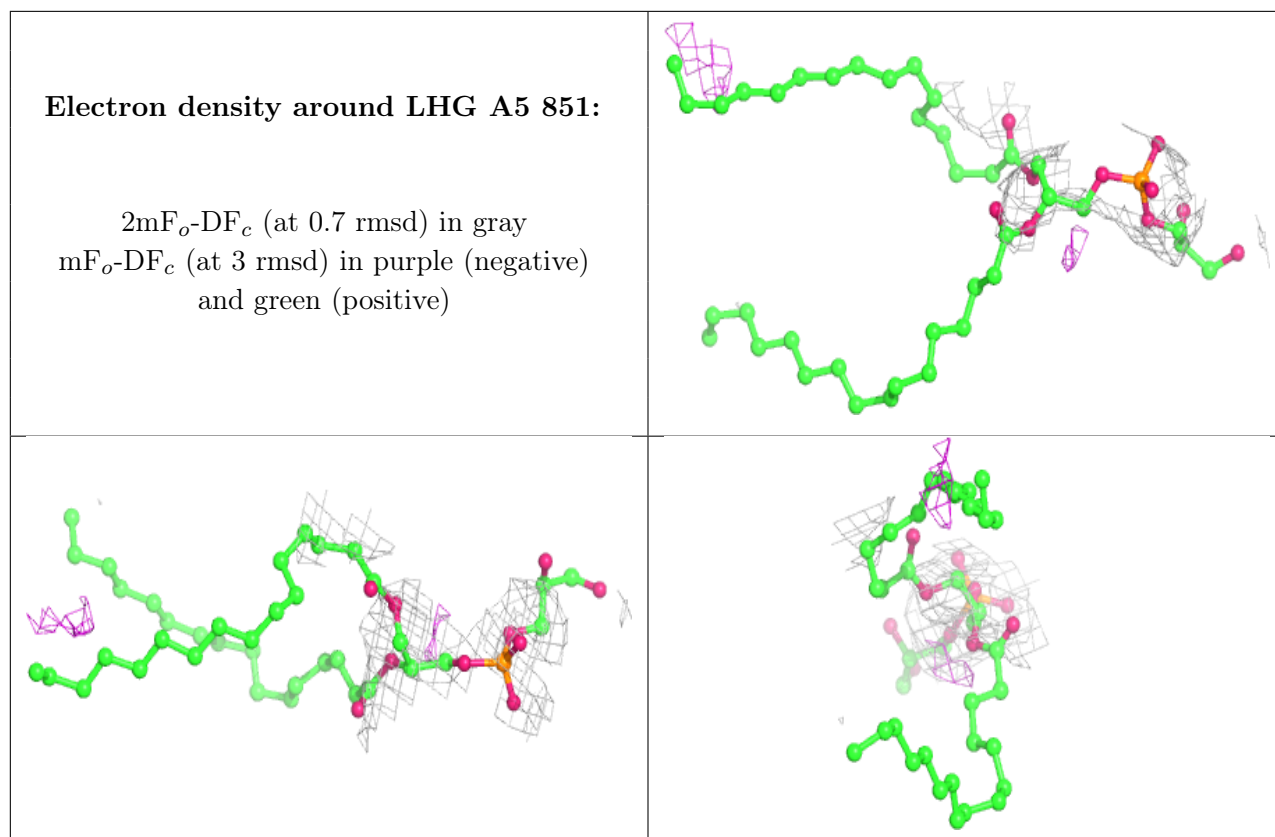




**Electron density around CLA A4 815:**

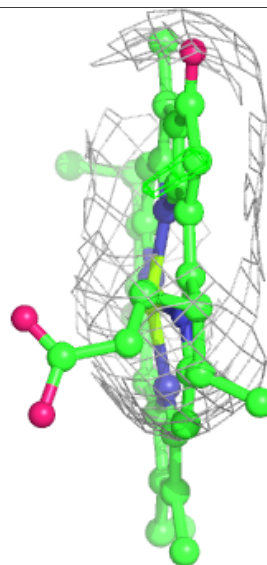
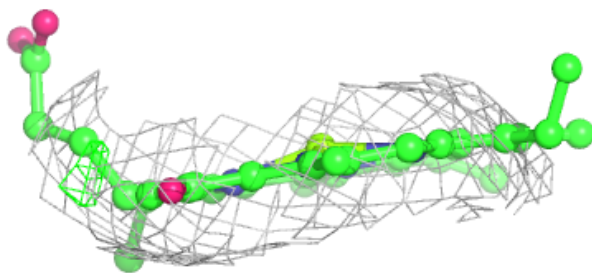
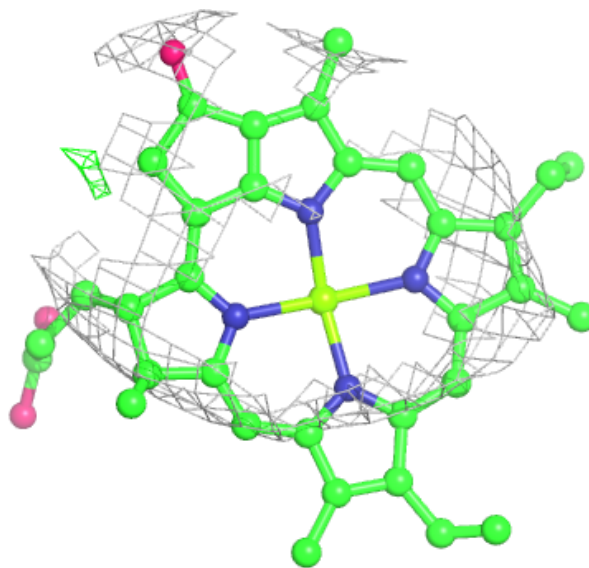
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

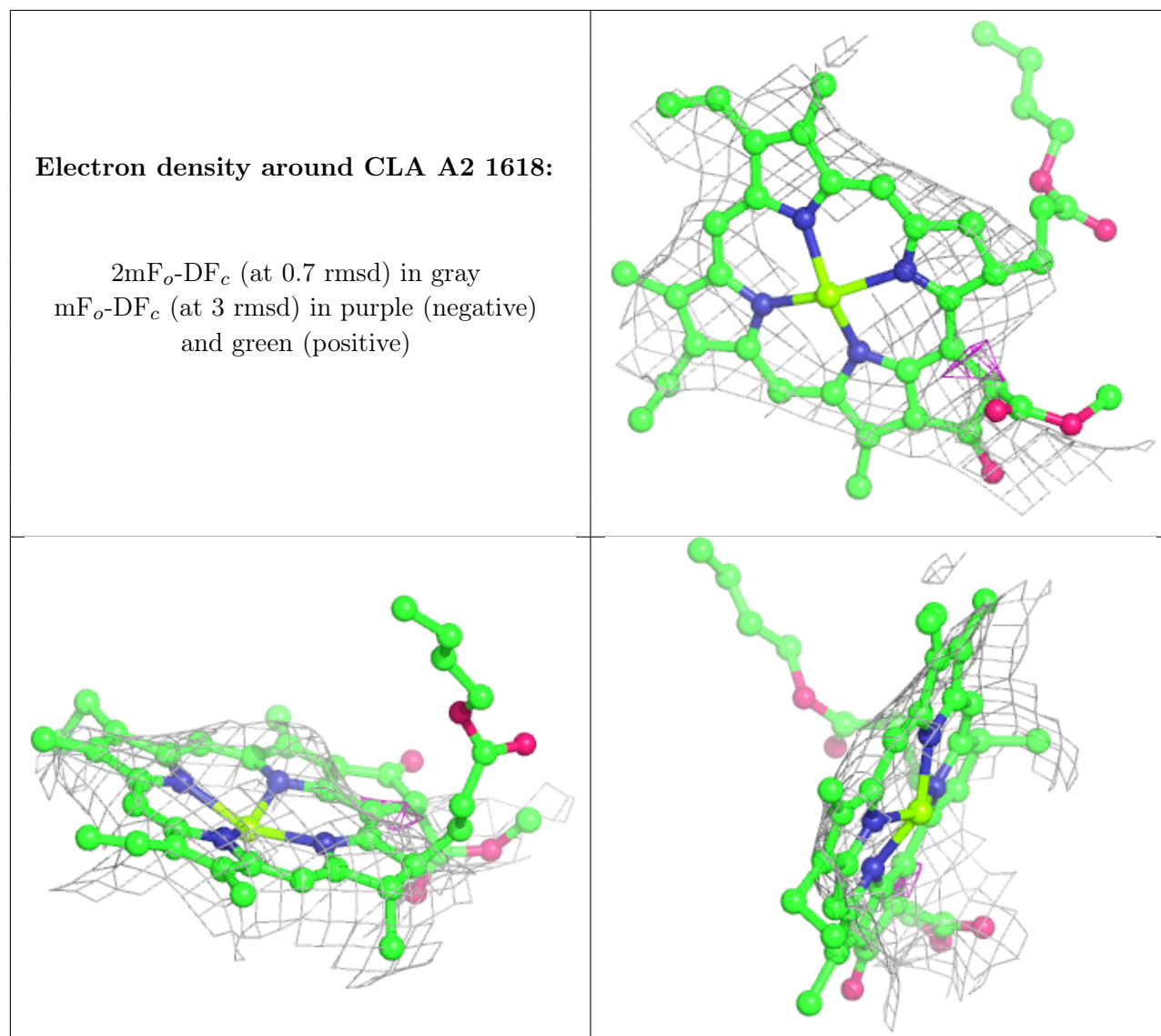




**Electron density around CLA A1 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

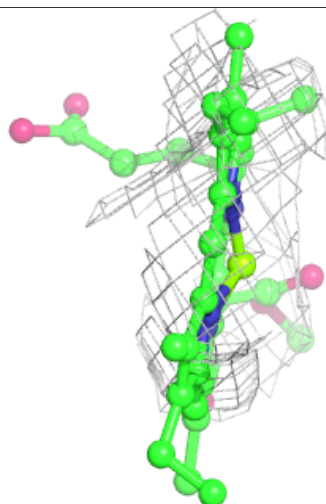
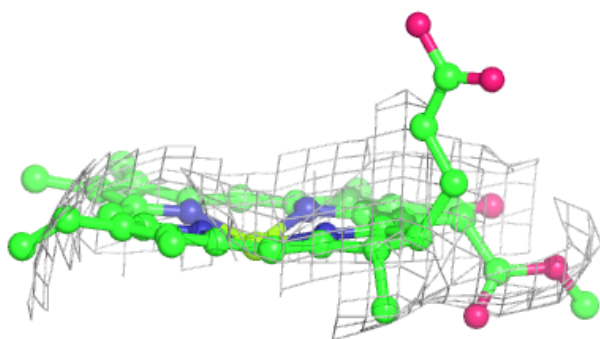
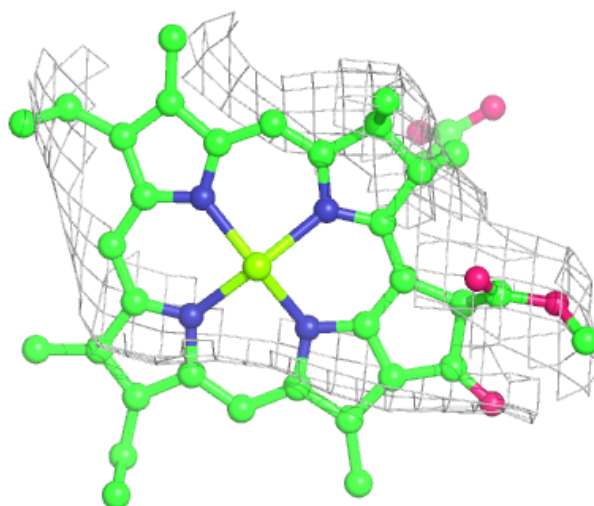






**Electron density around CLA B1 812:**

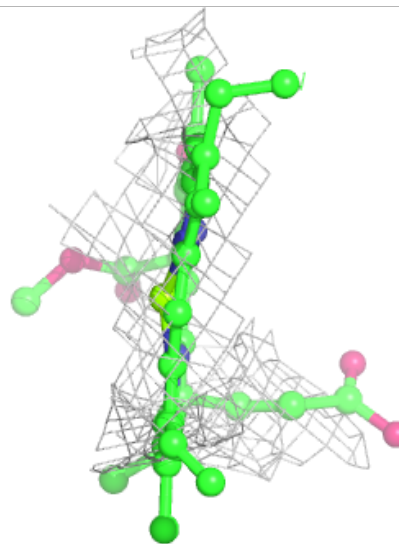
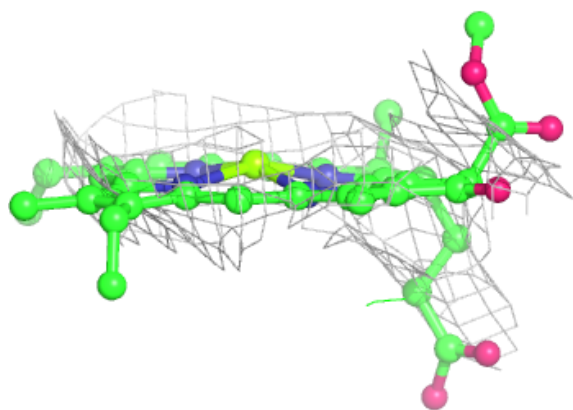
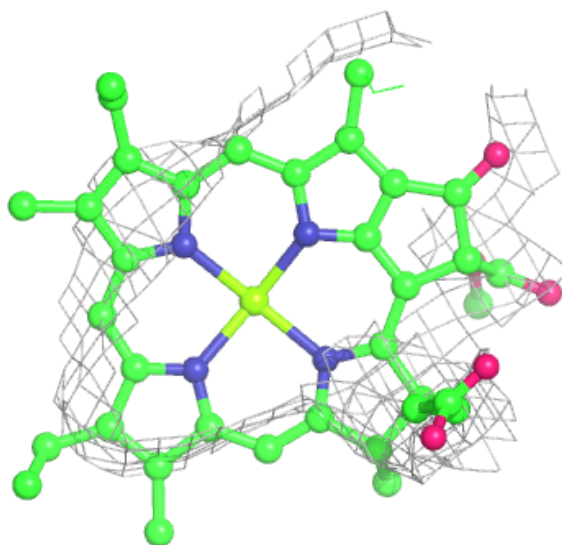
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





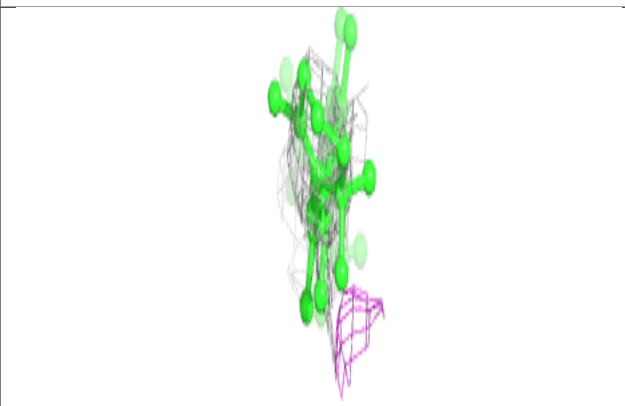
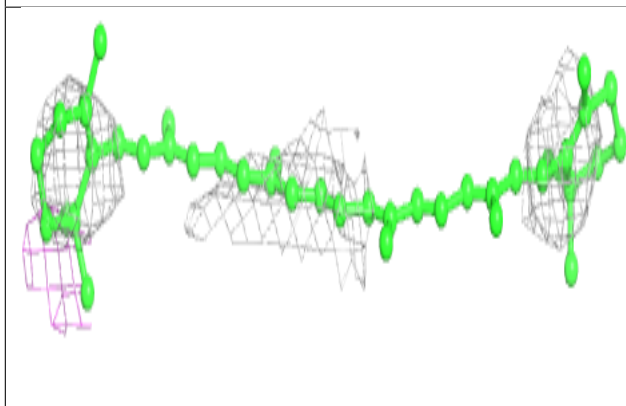
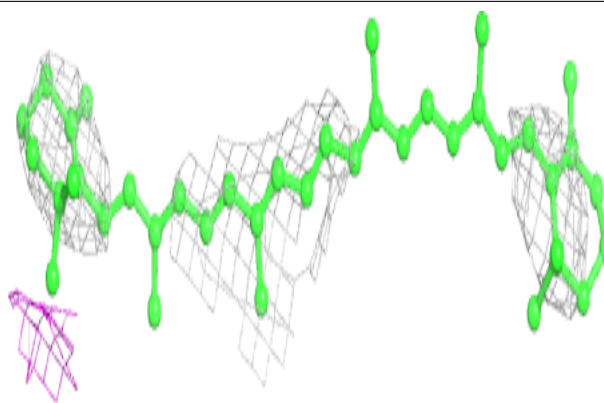
**Electron density around CLA A1 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

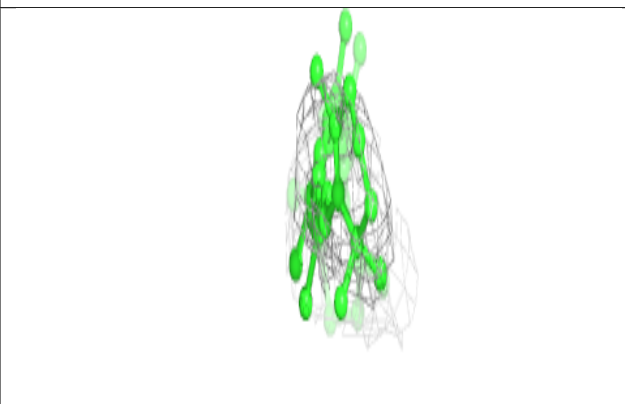
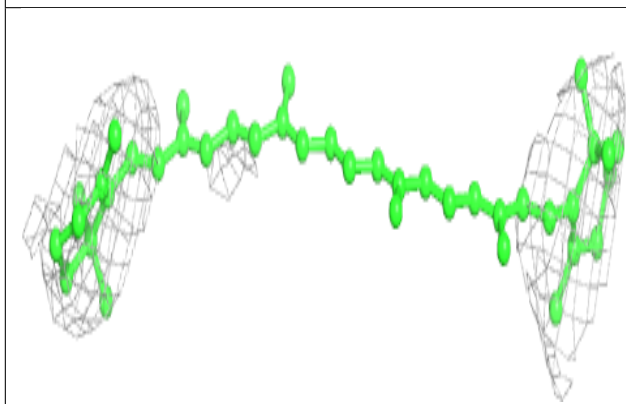
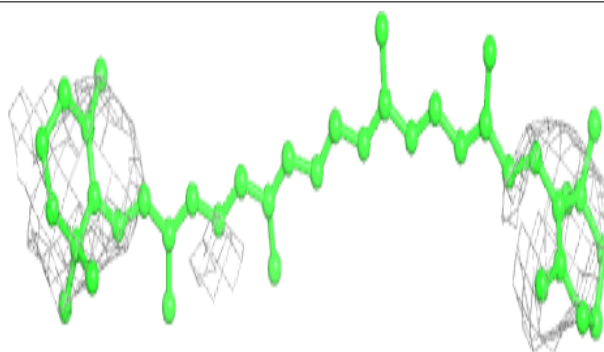


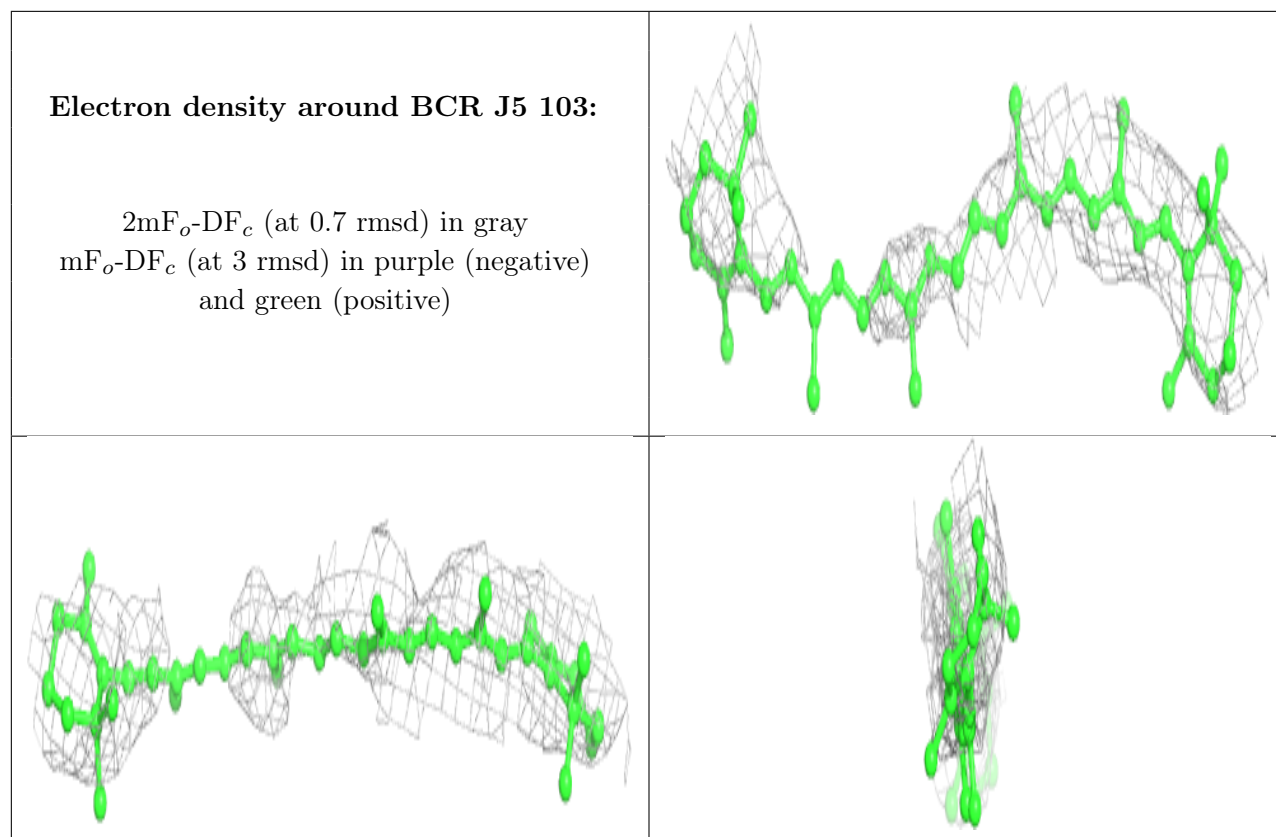
**Electron density around BCR A3 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A6 1645:**

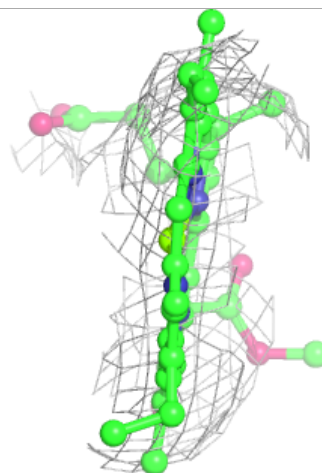
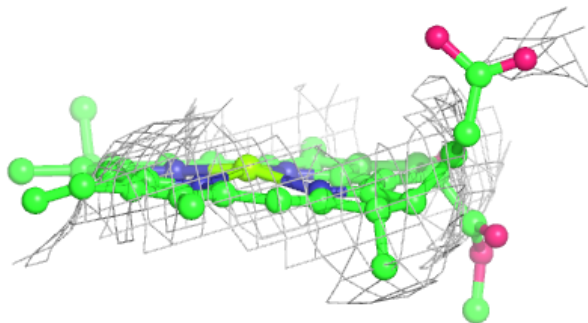
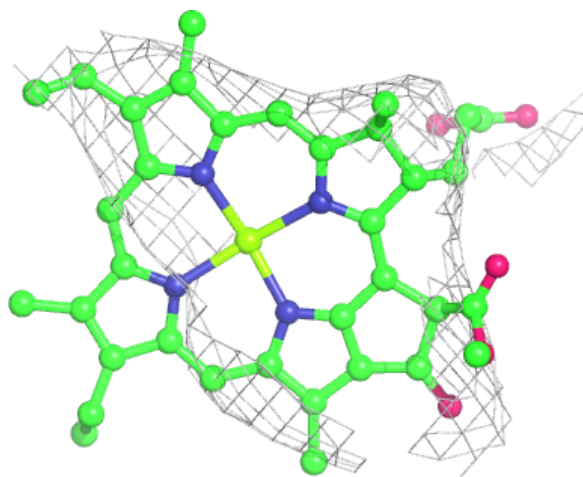
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

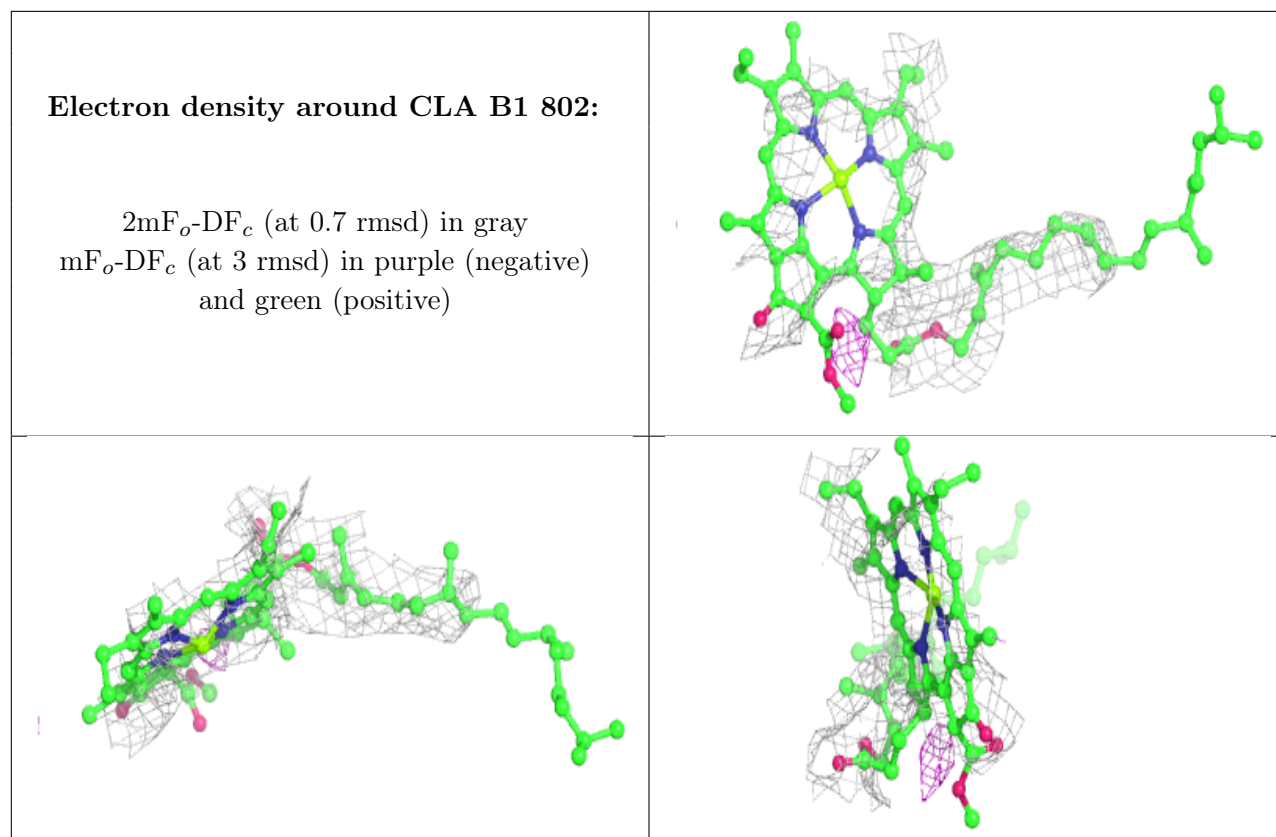




**Electron density around CLA J5 101:**

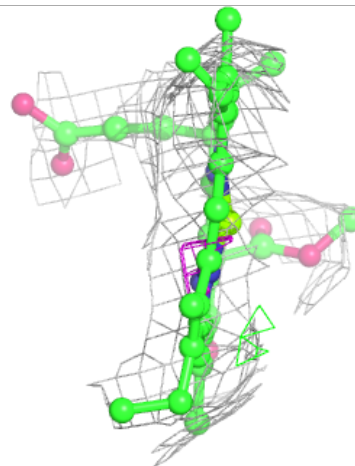
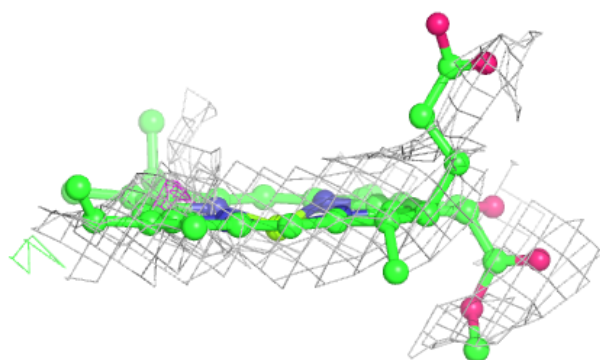
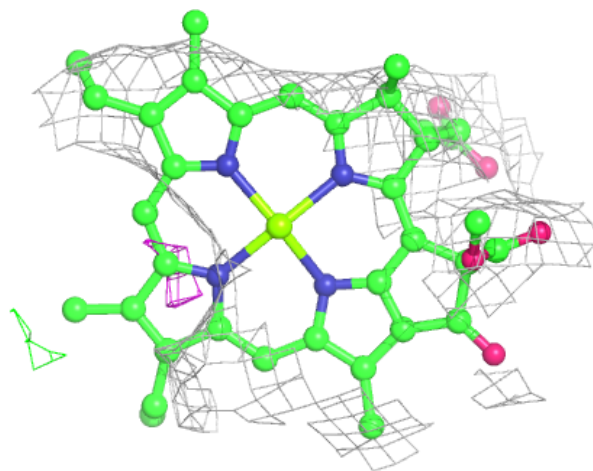
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





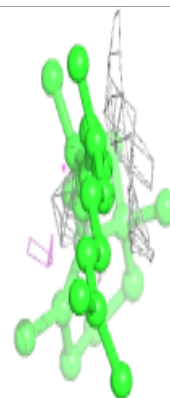
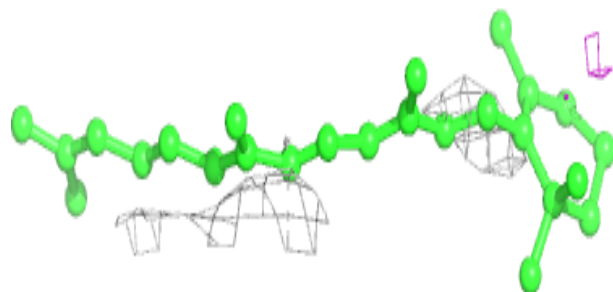
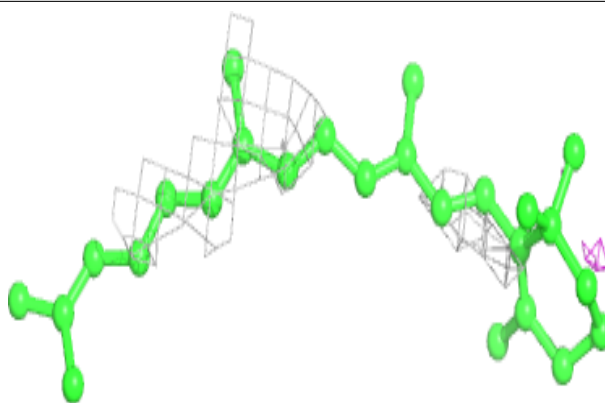
**Electron density around CLA A4 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

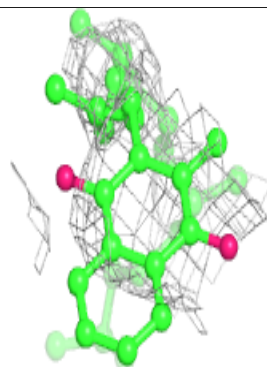
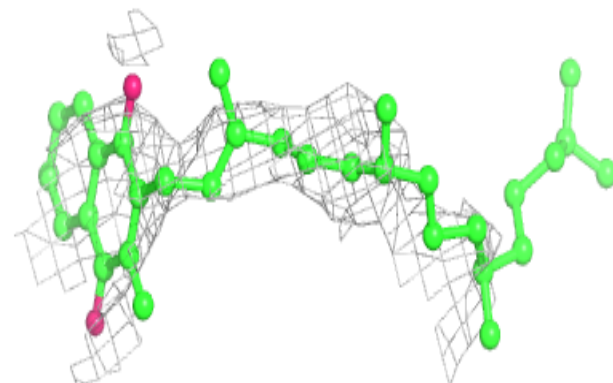
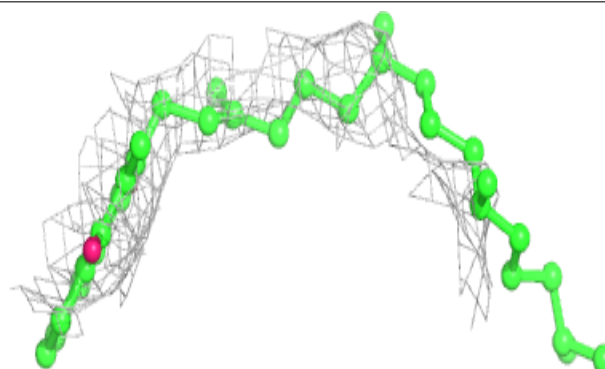


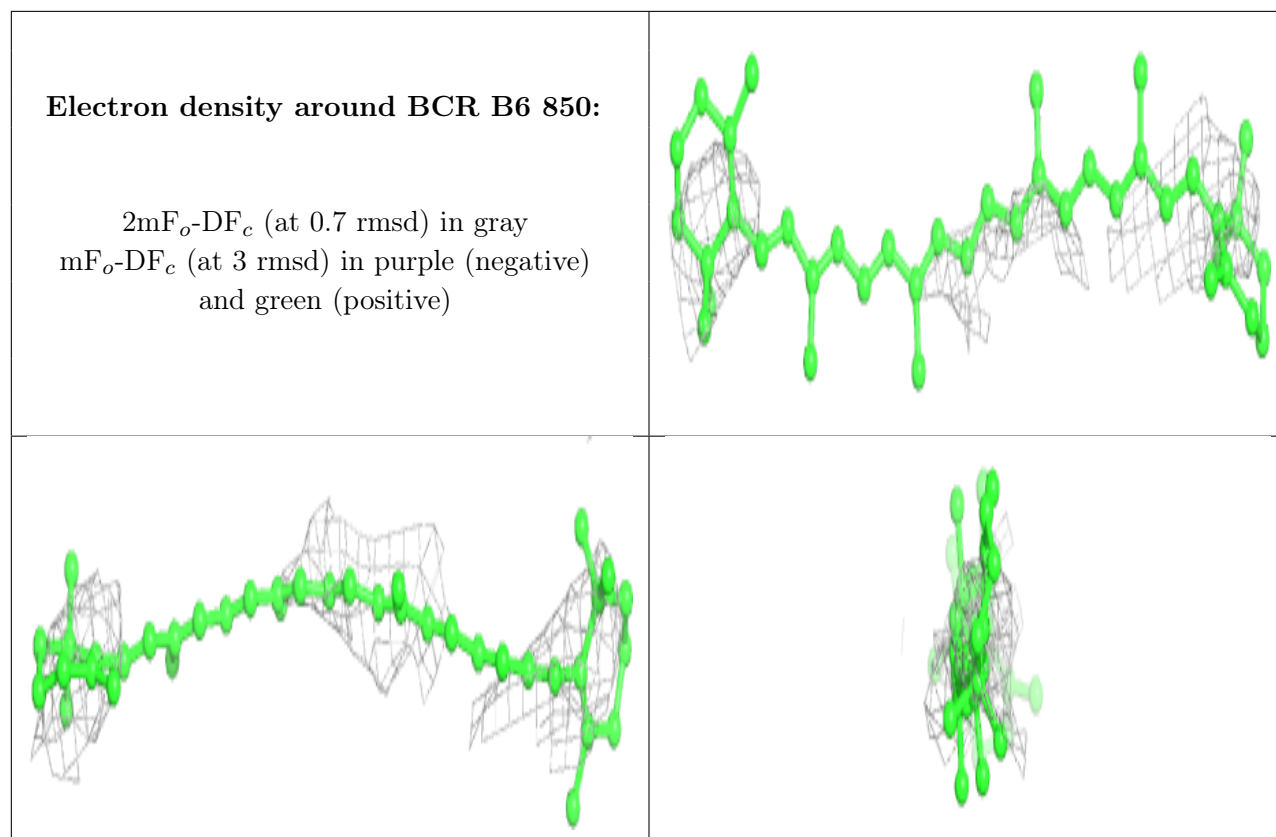
**Electron density around BCR B4 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around PQN B3 1844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

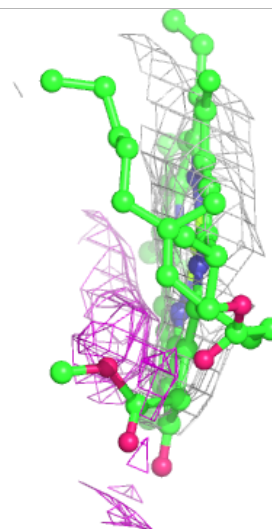
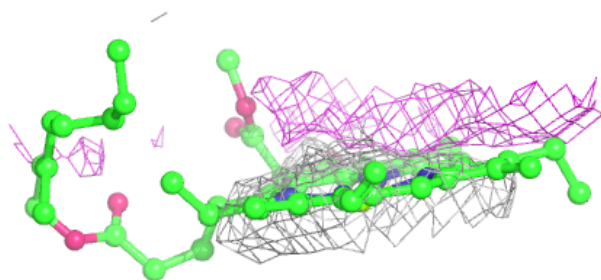
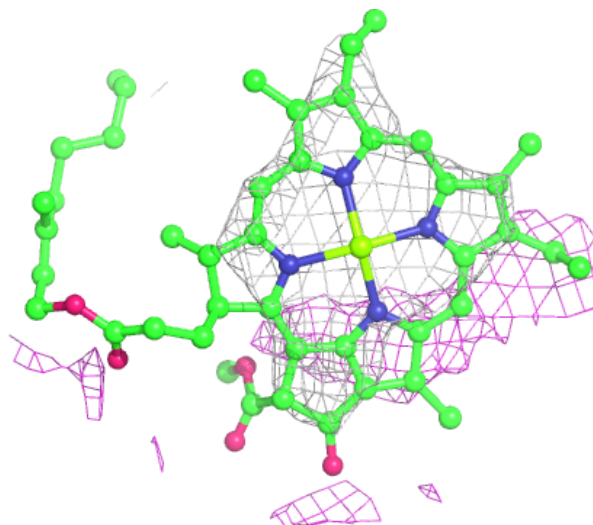






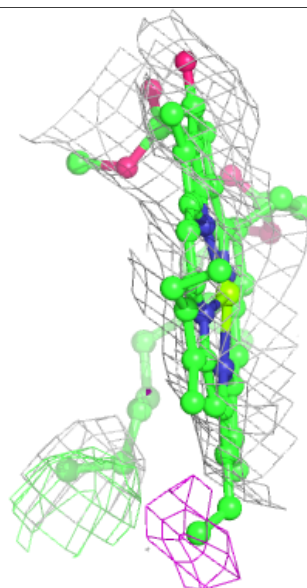
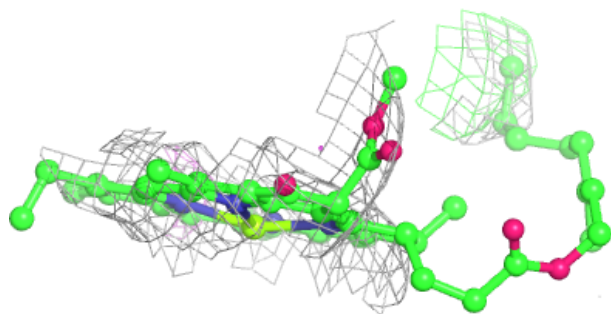
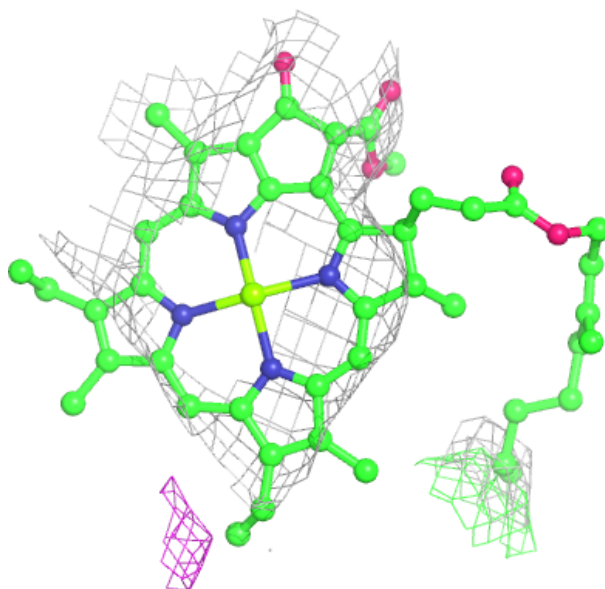
**Electron density around CLA B3 1826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



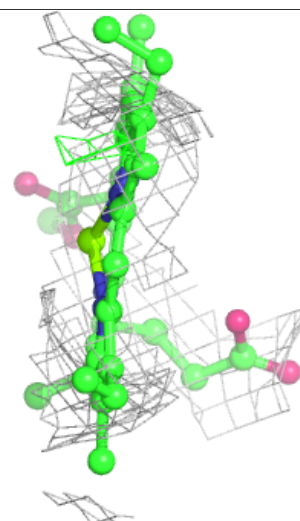
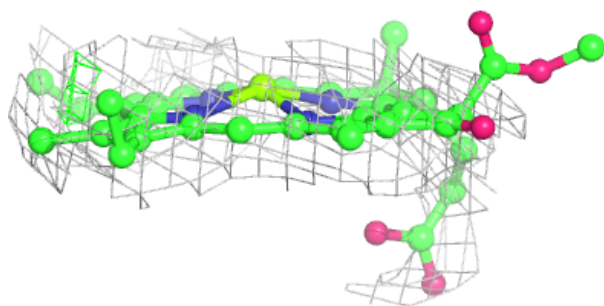
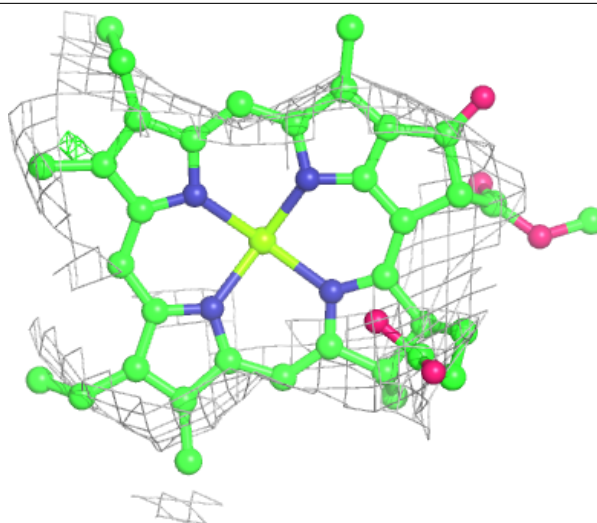
**Electron density around CLA B1 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



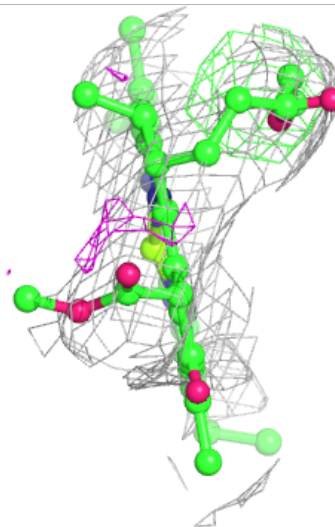
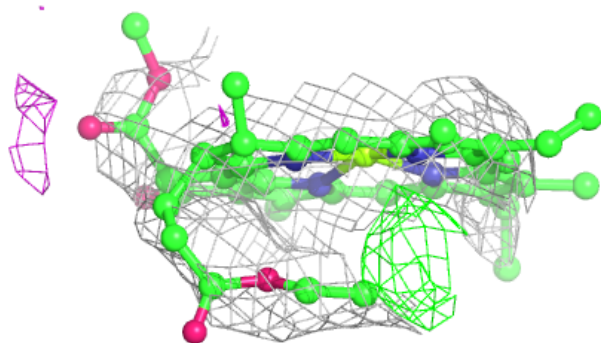
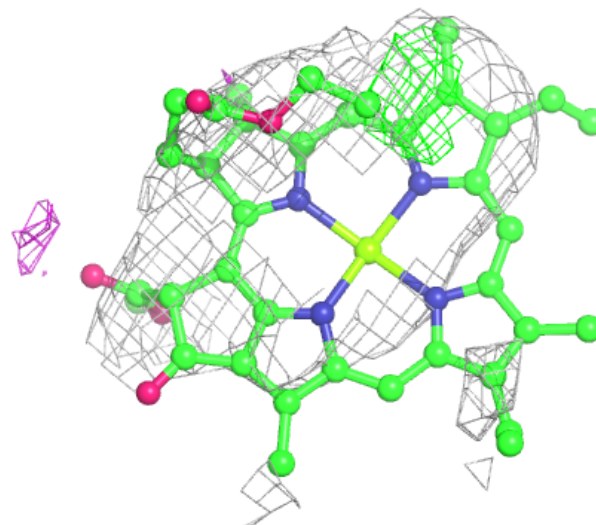
**Electron density around CLA A5 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



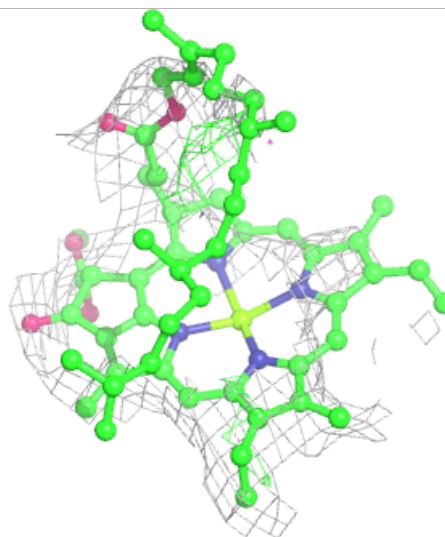
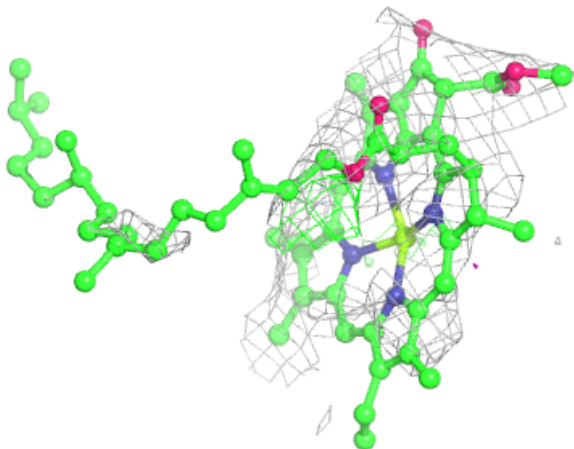
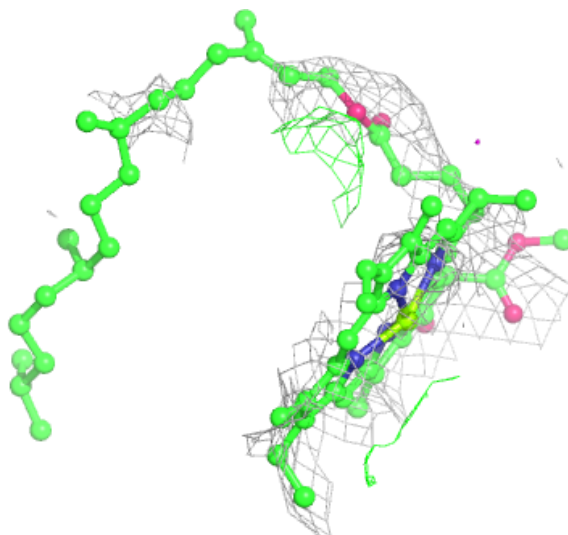
**Electron density around CLA B5 1822:**

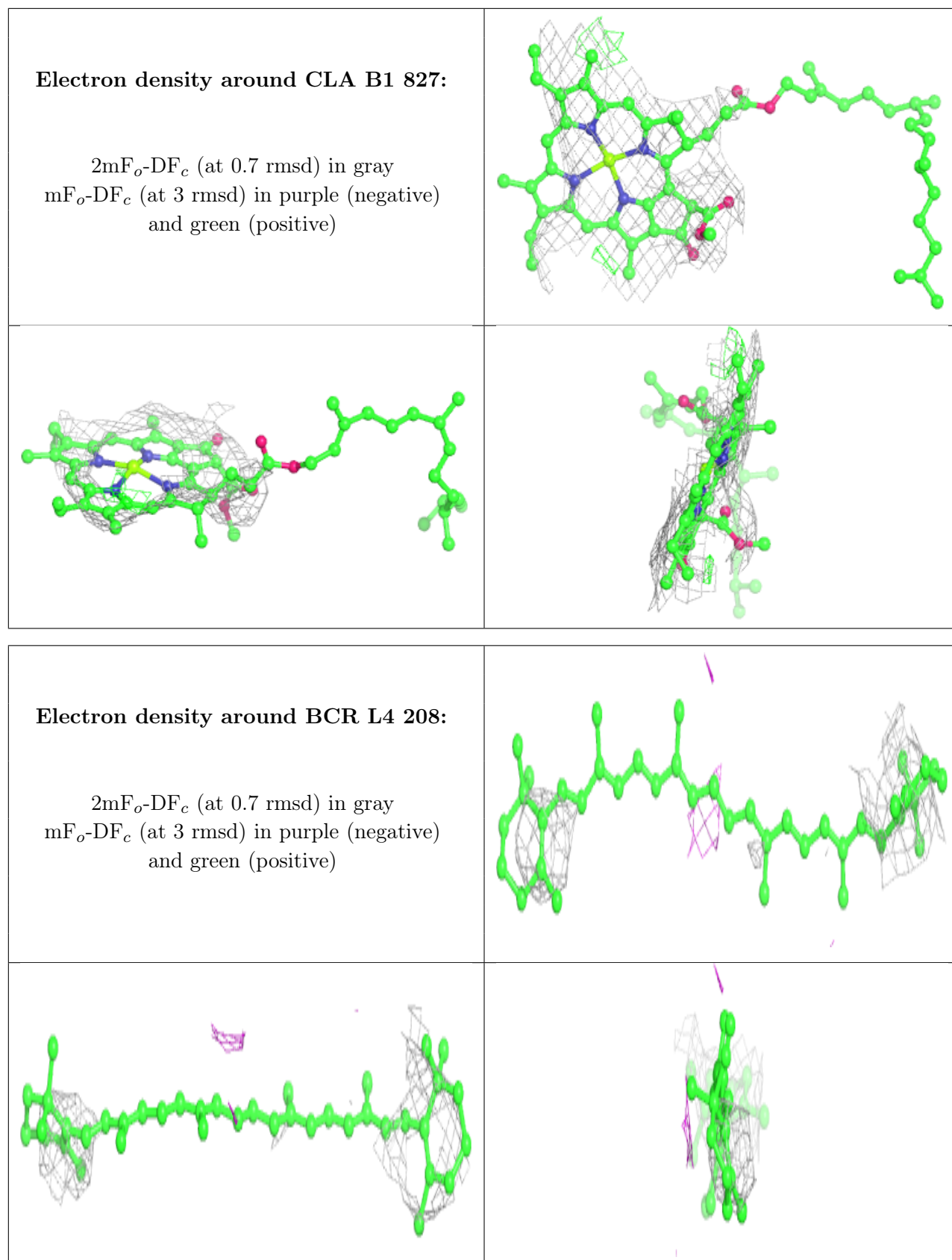
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B1 820:**

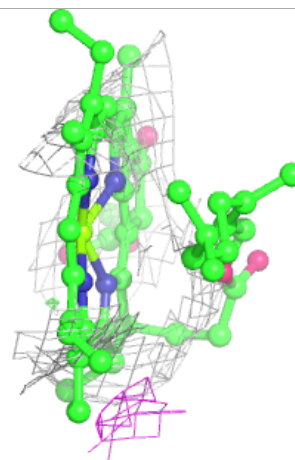
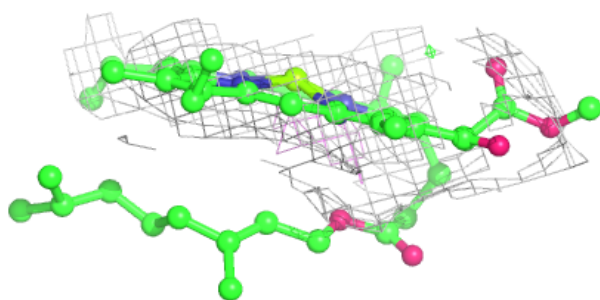
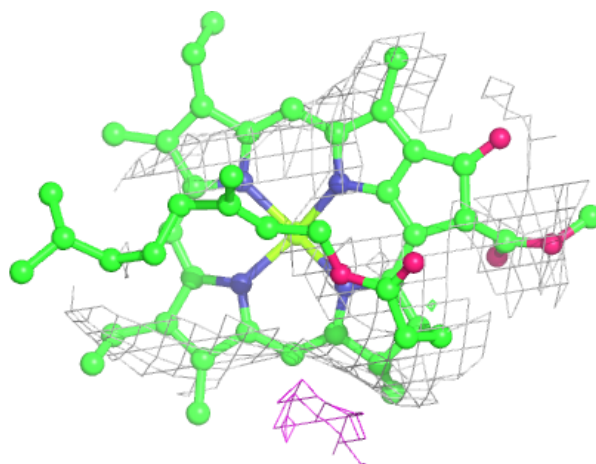
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



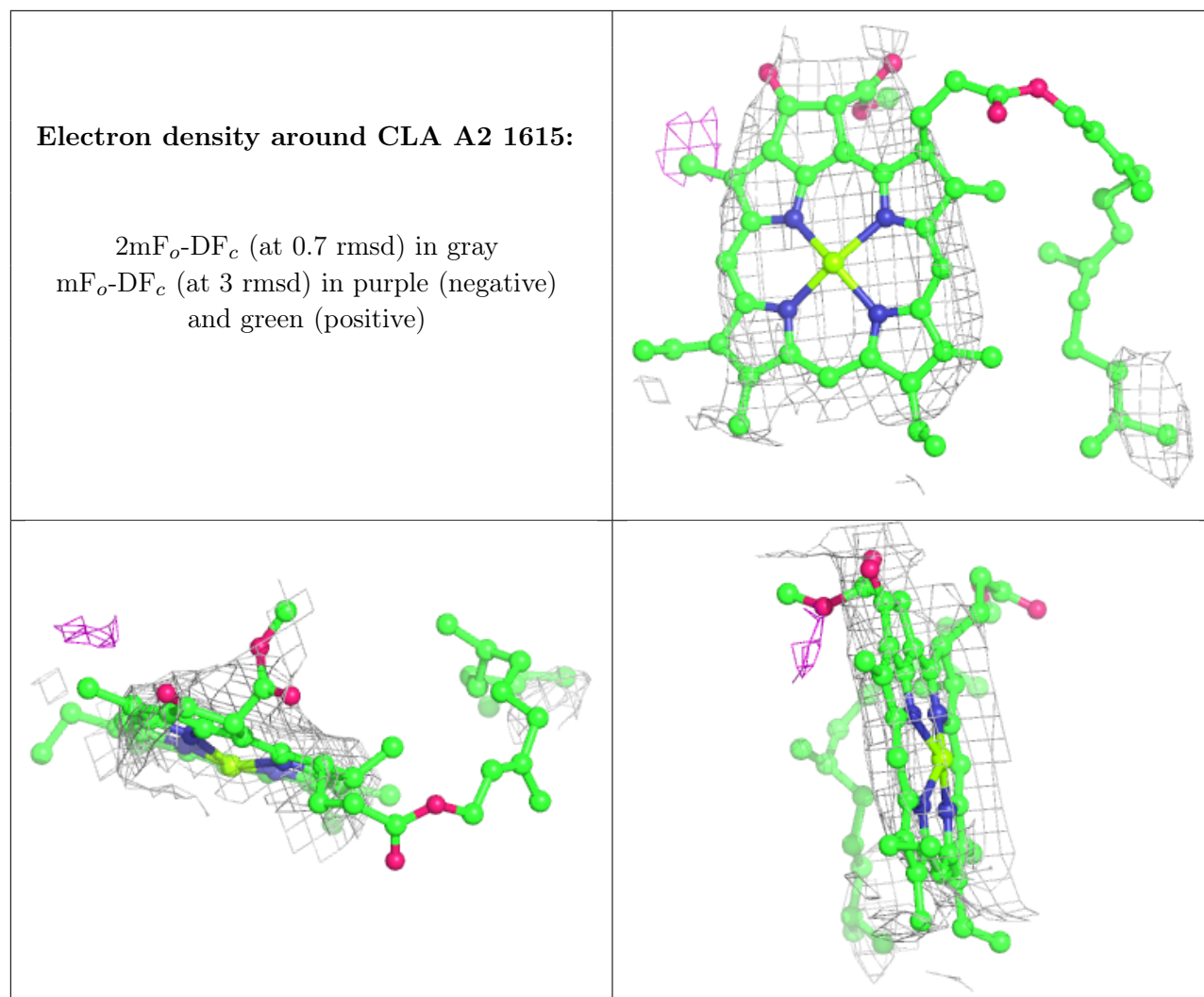


**Electron density around CLA B4 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



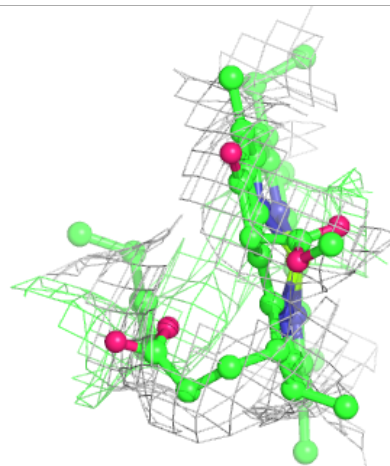
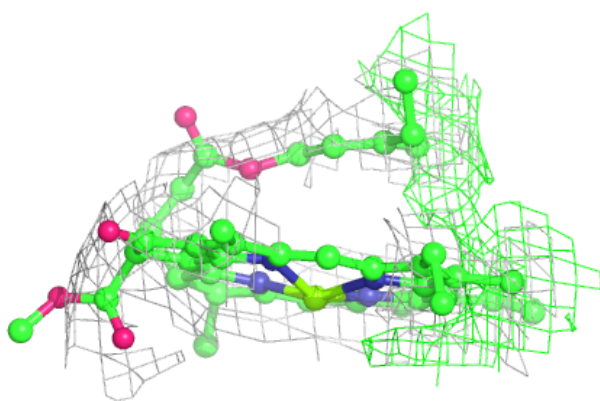
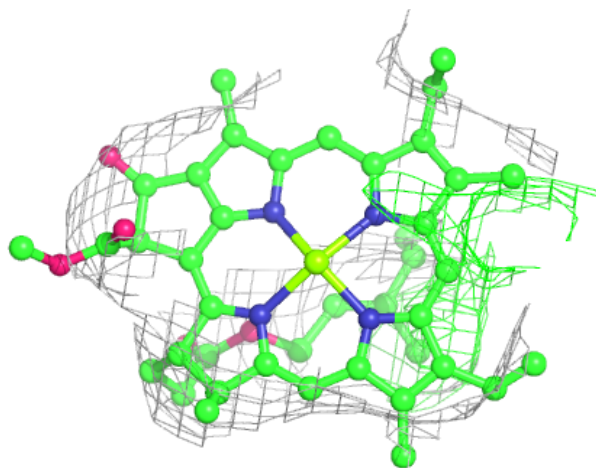


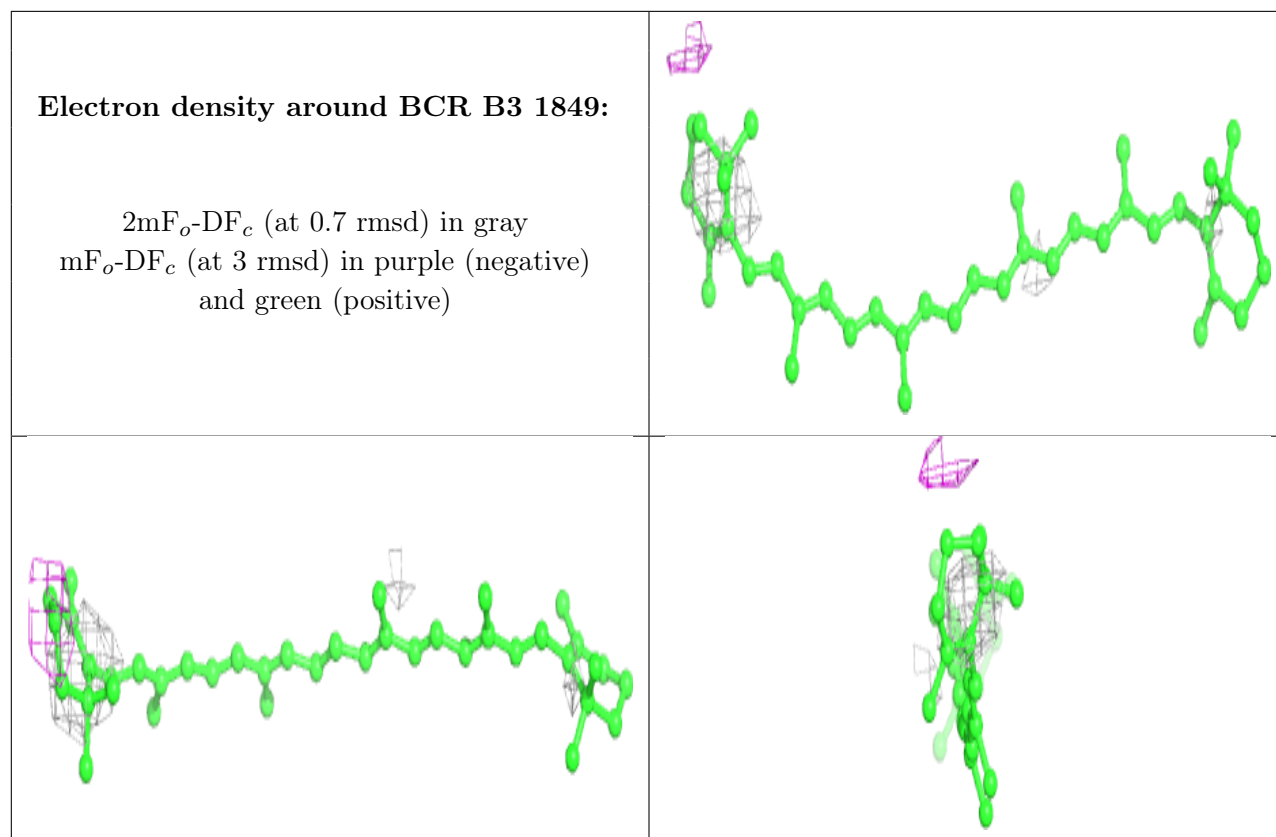




**Electron density around CLA A1 822:**

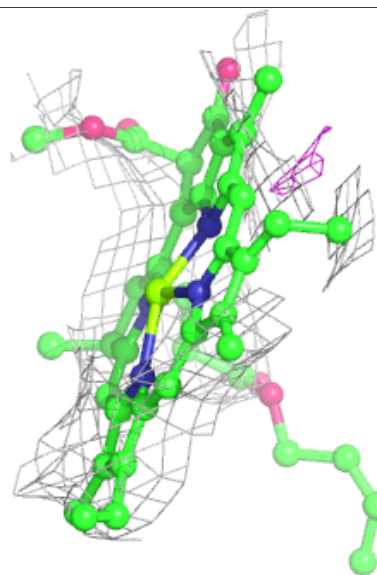
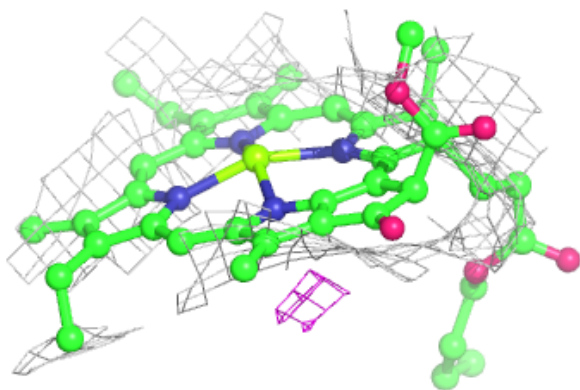
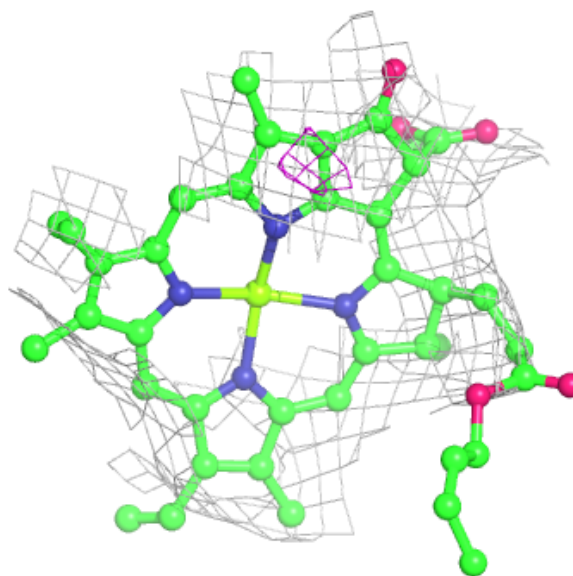
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

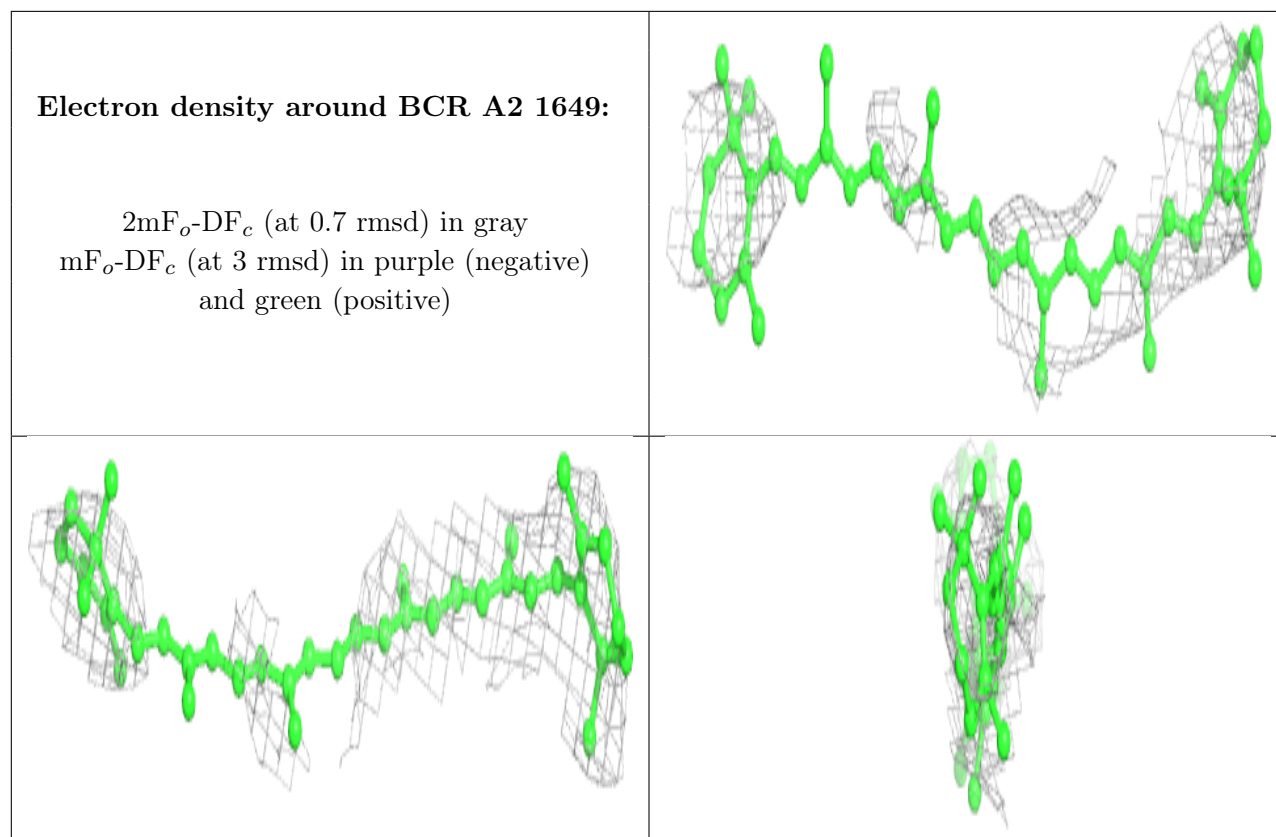




**Electron density around CLA A4 821:**

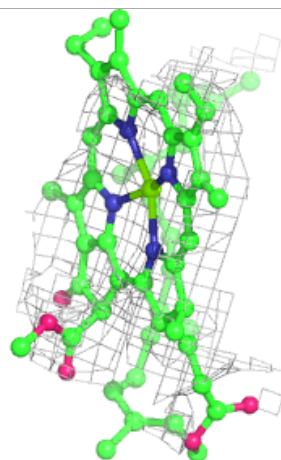
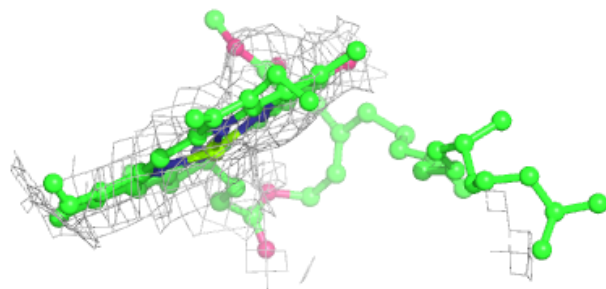
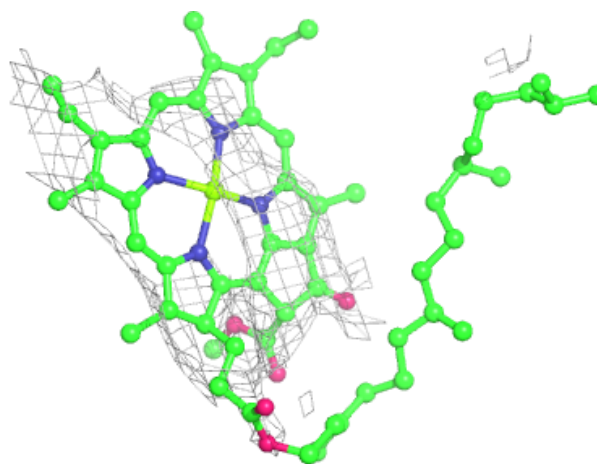
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





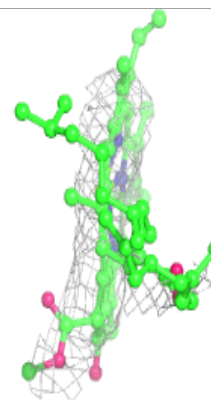
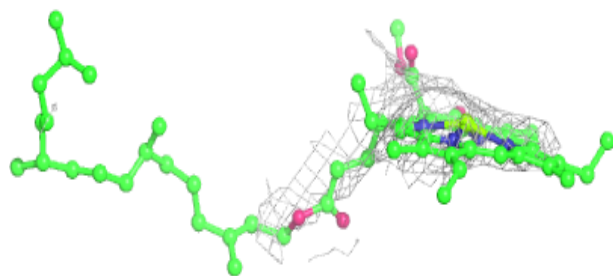
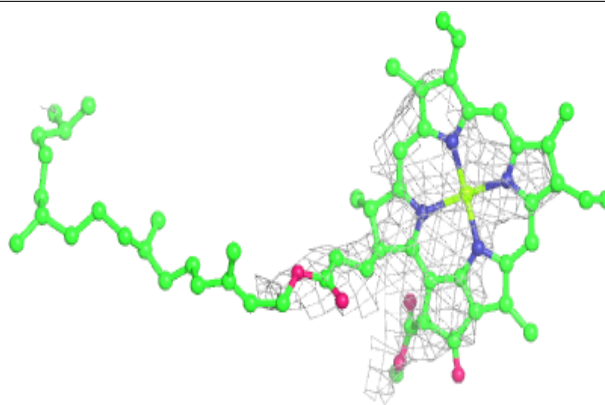
**Electron density around CLA A4 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

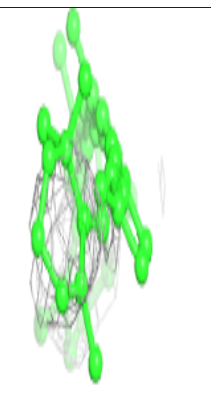
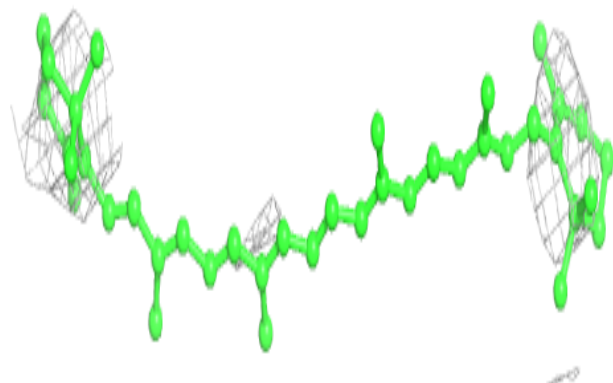
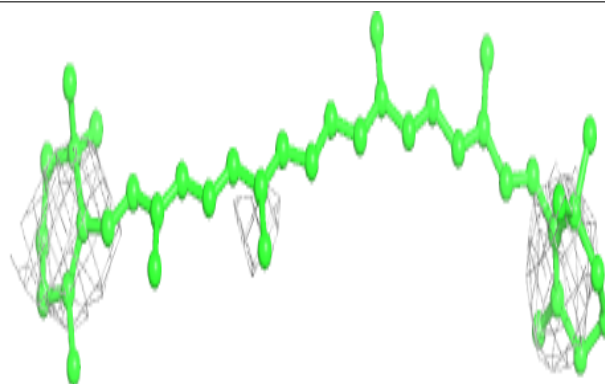


**Electron density around CLA A4 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

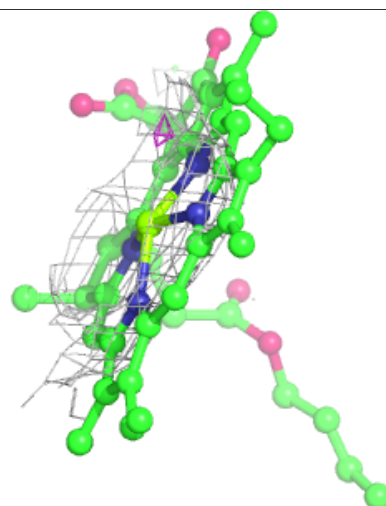
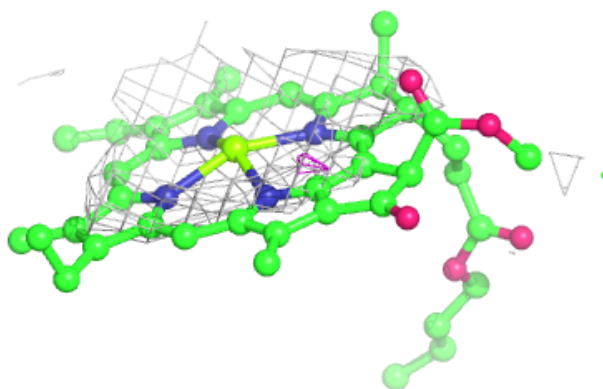
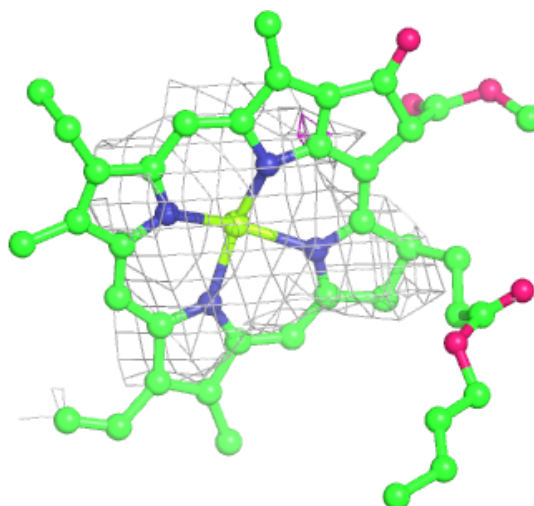
**Electron density around BCR M6 1202:**

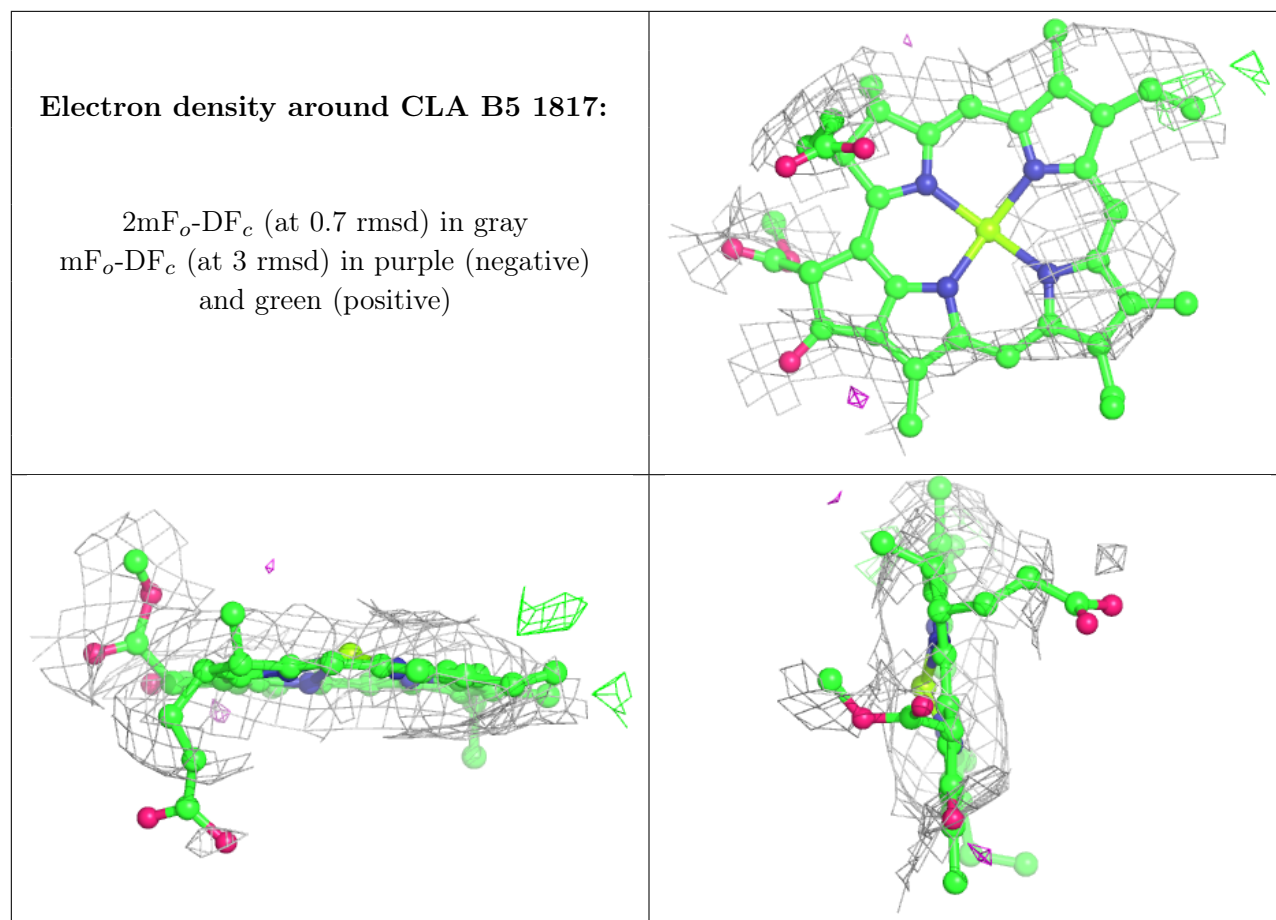
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

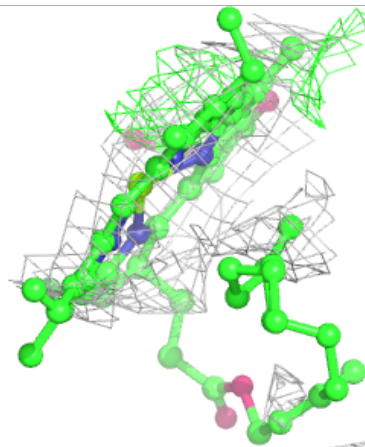
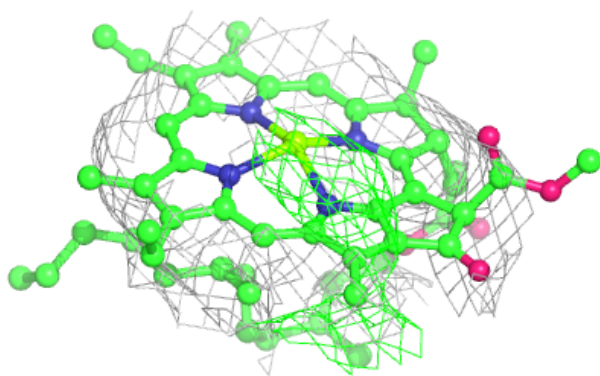
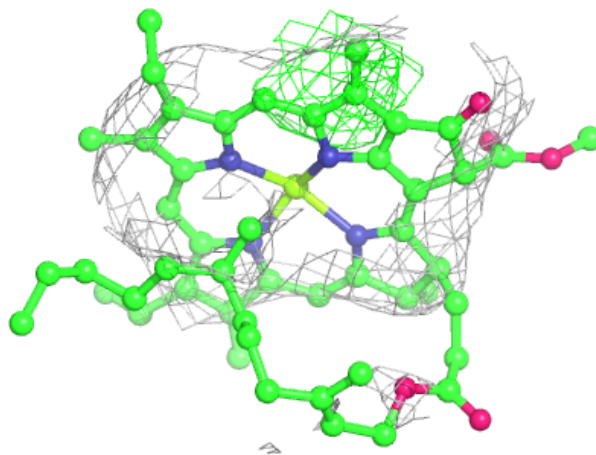






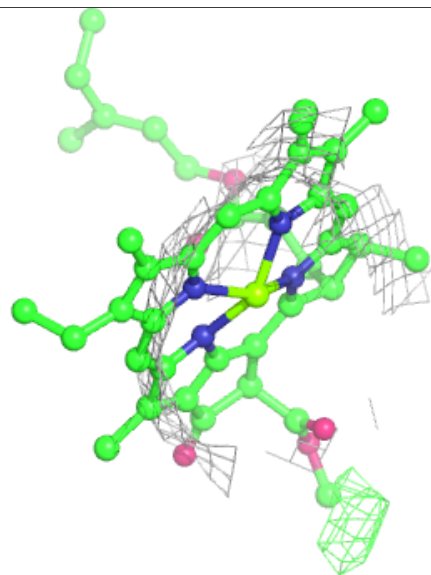
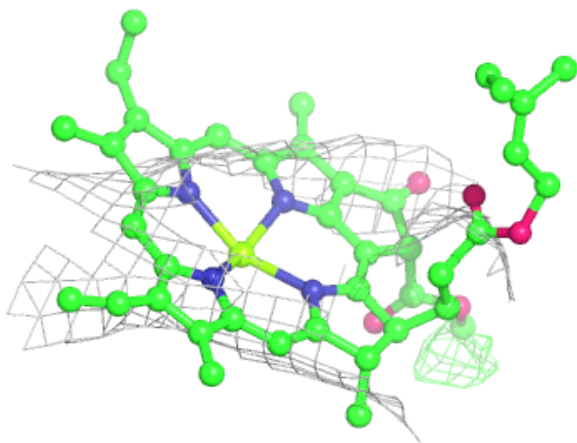
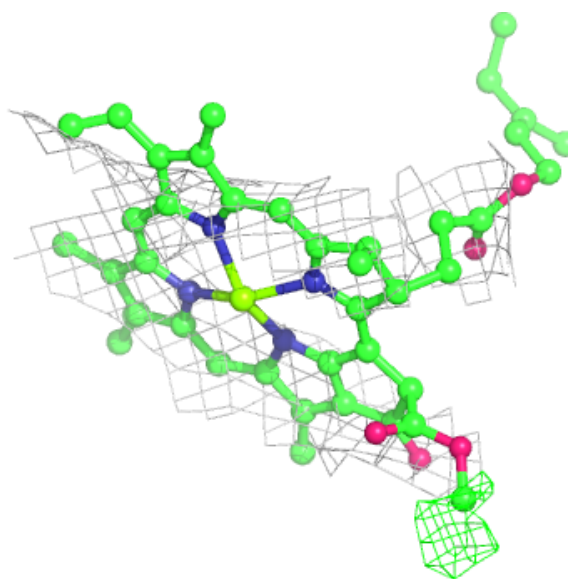
**Electron density around CLA B5 1819:**

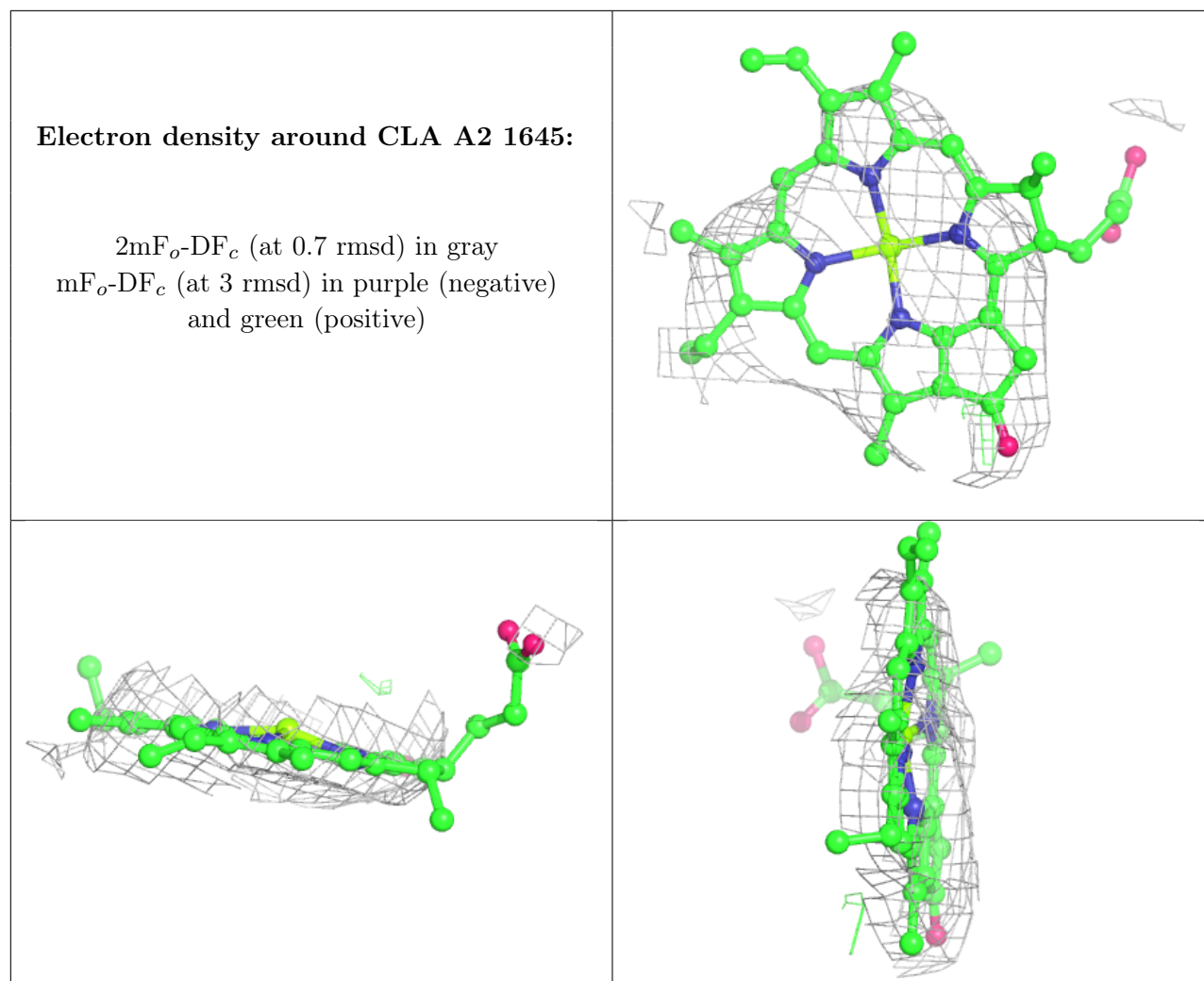
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A4 806:**

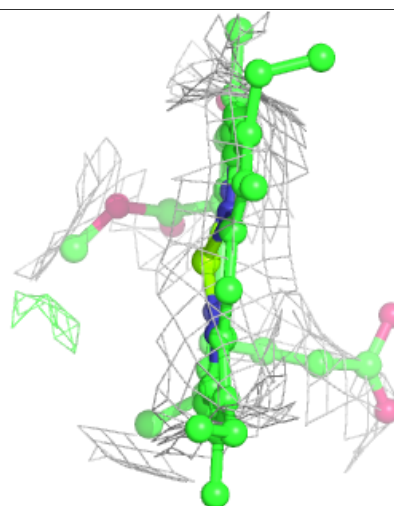
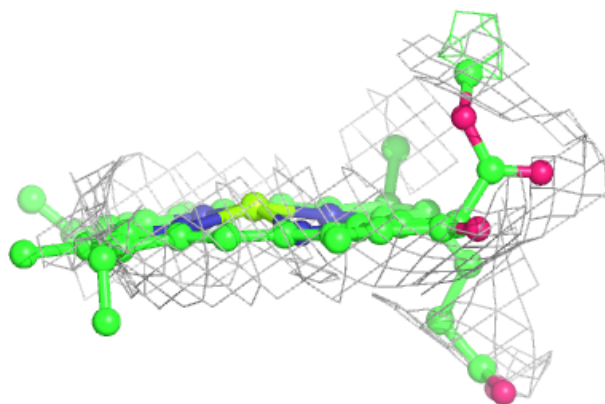
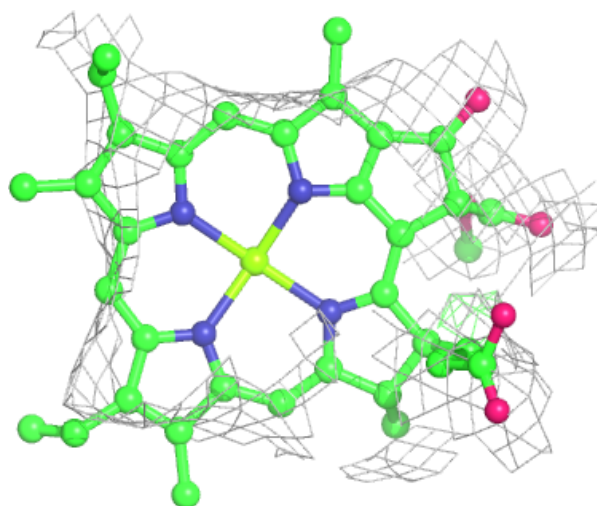
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





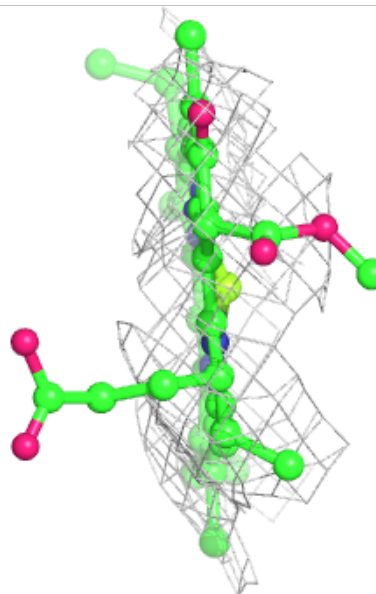
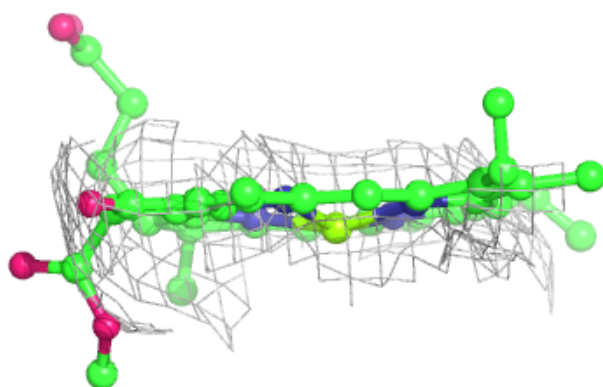
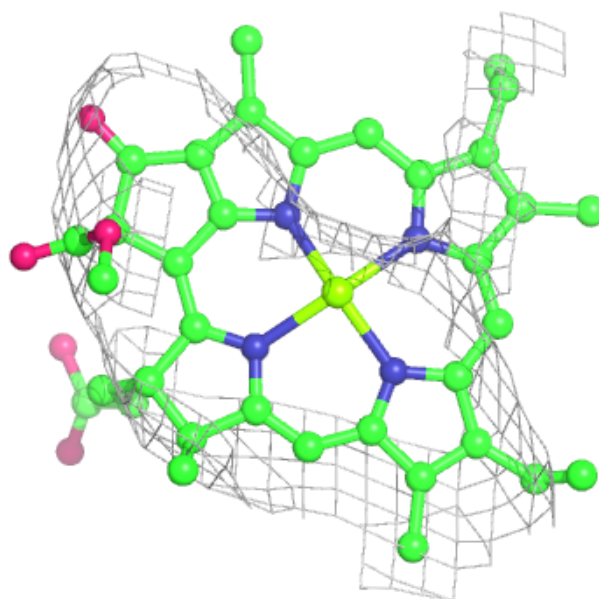
**Electron density around CLA B4 823:**

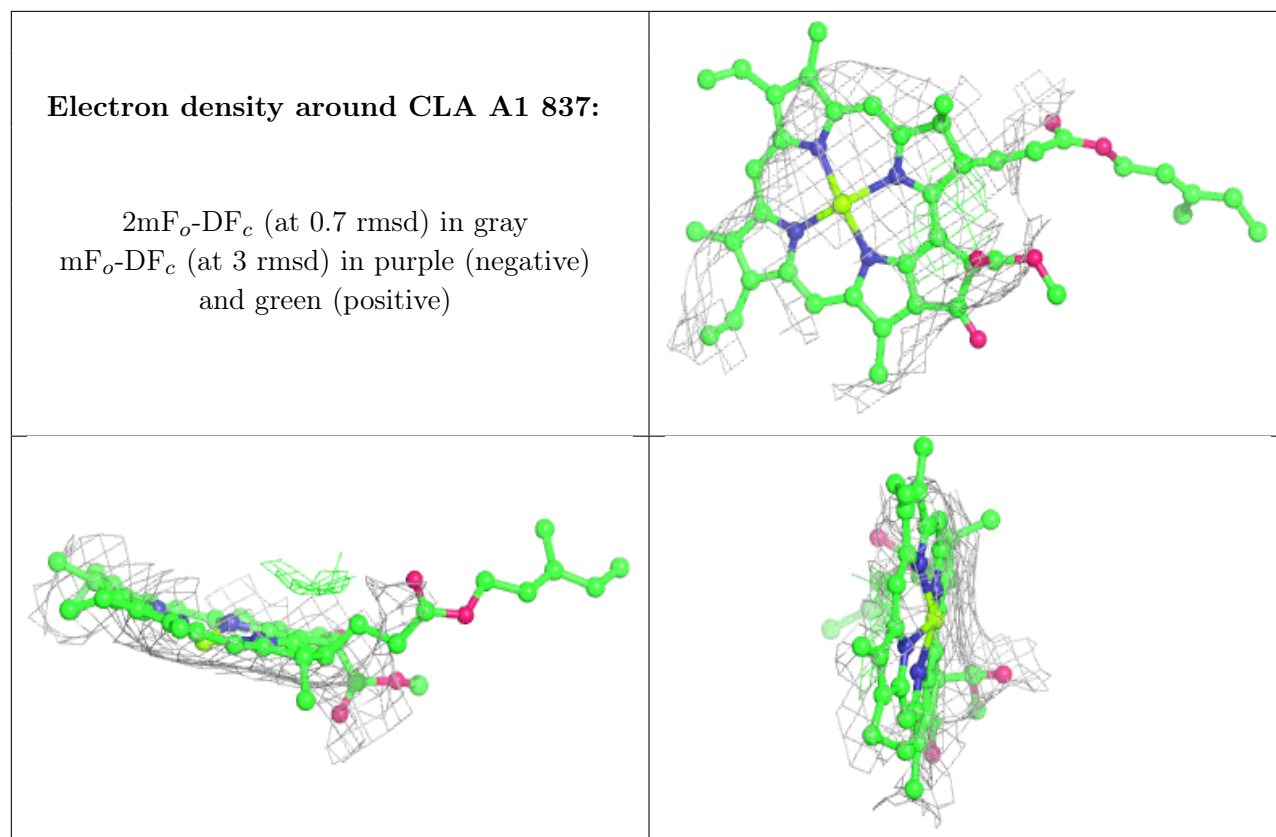
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

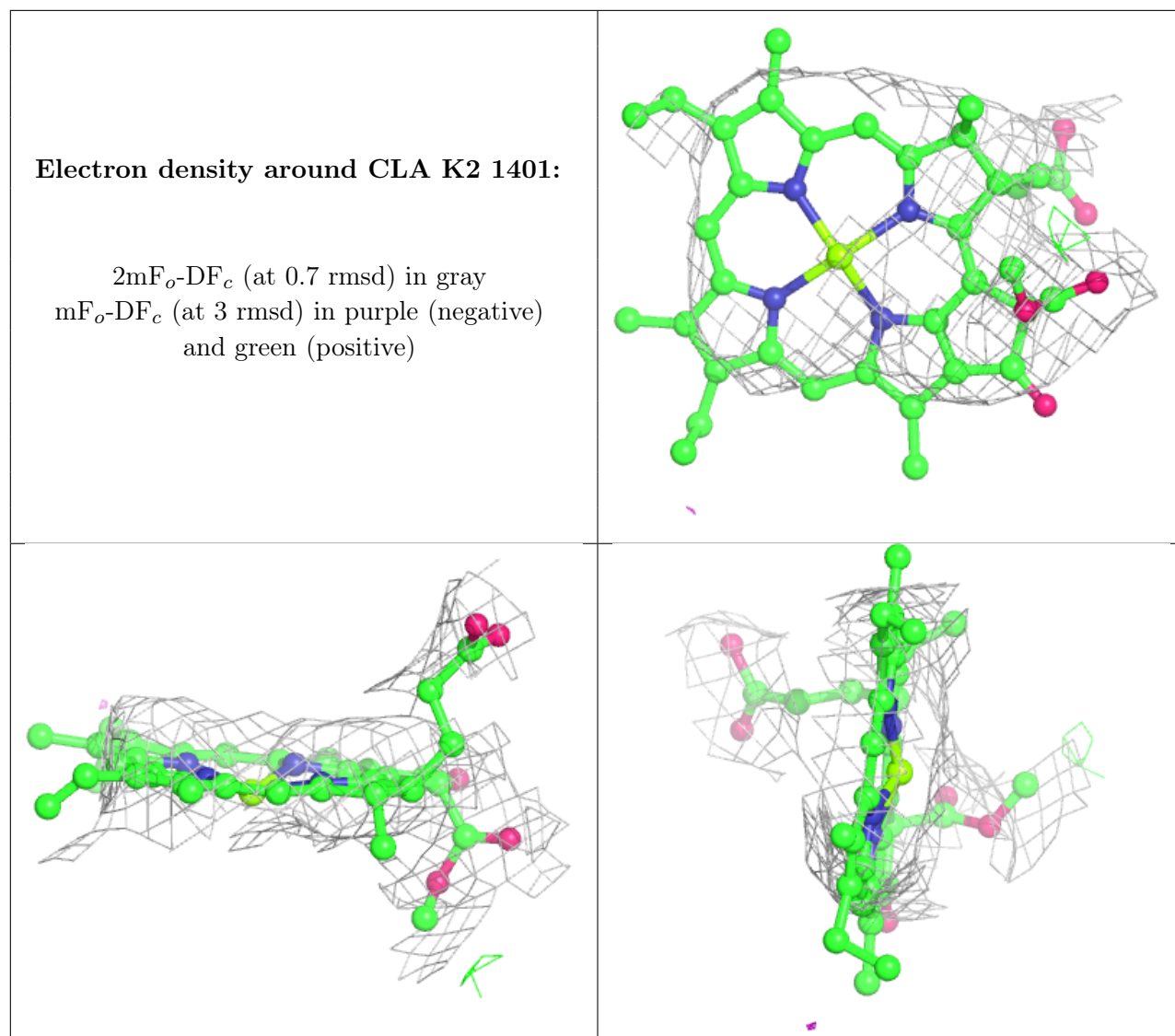


**Electron density around CLA B1 822:**

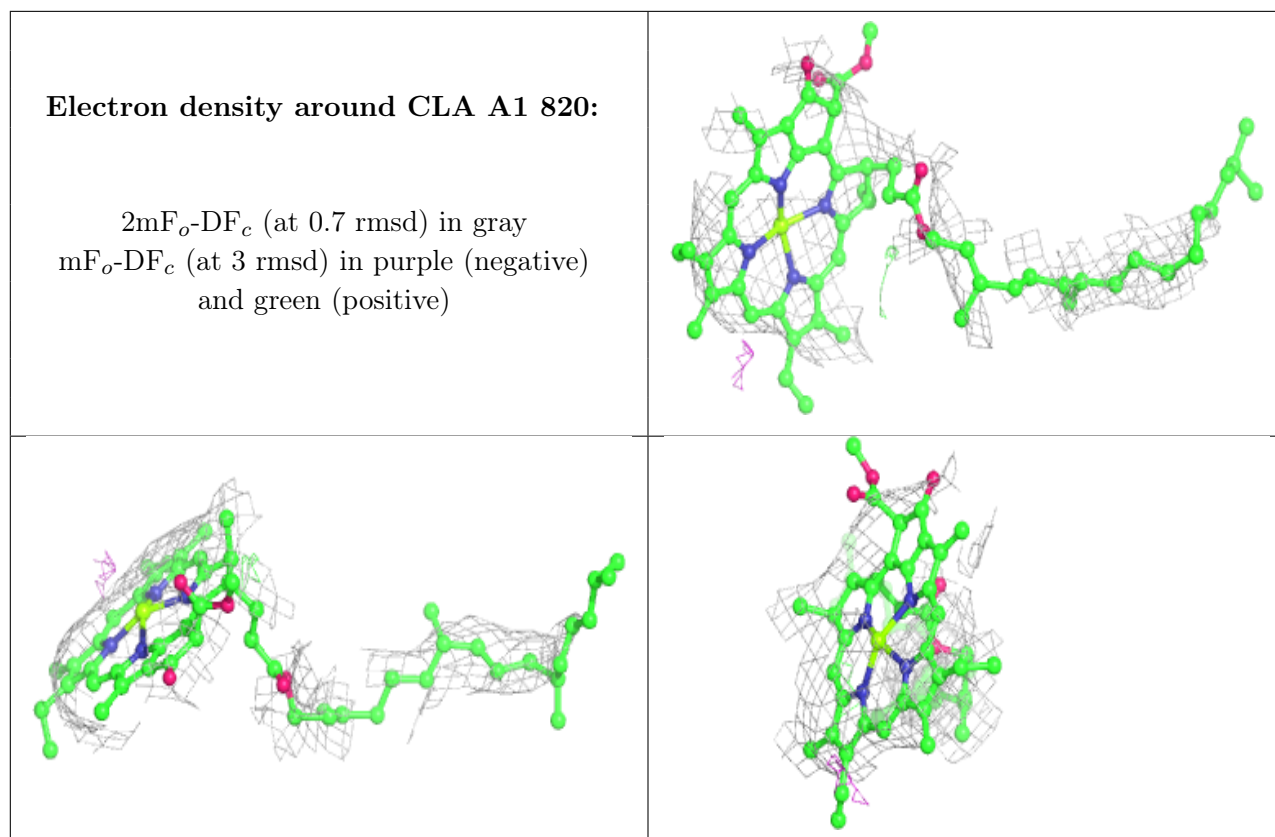
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



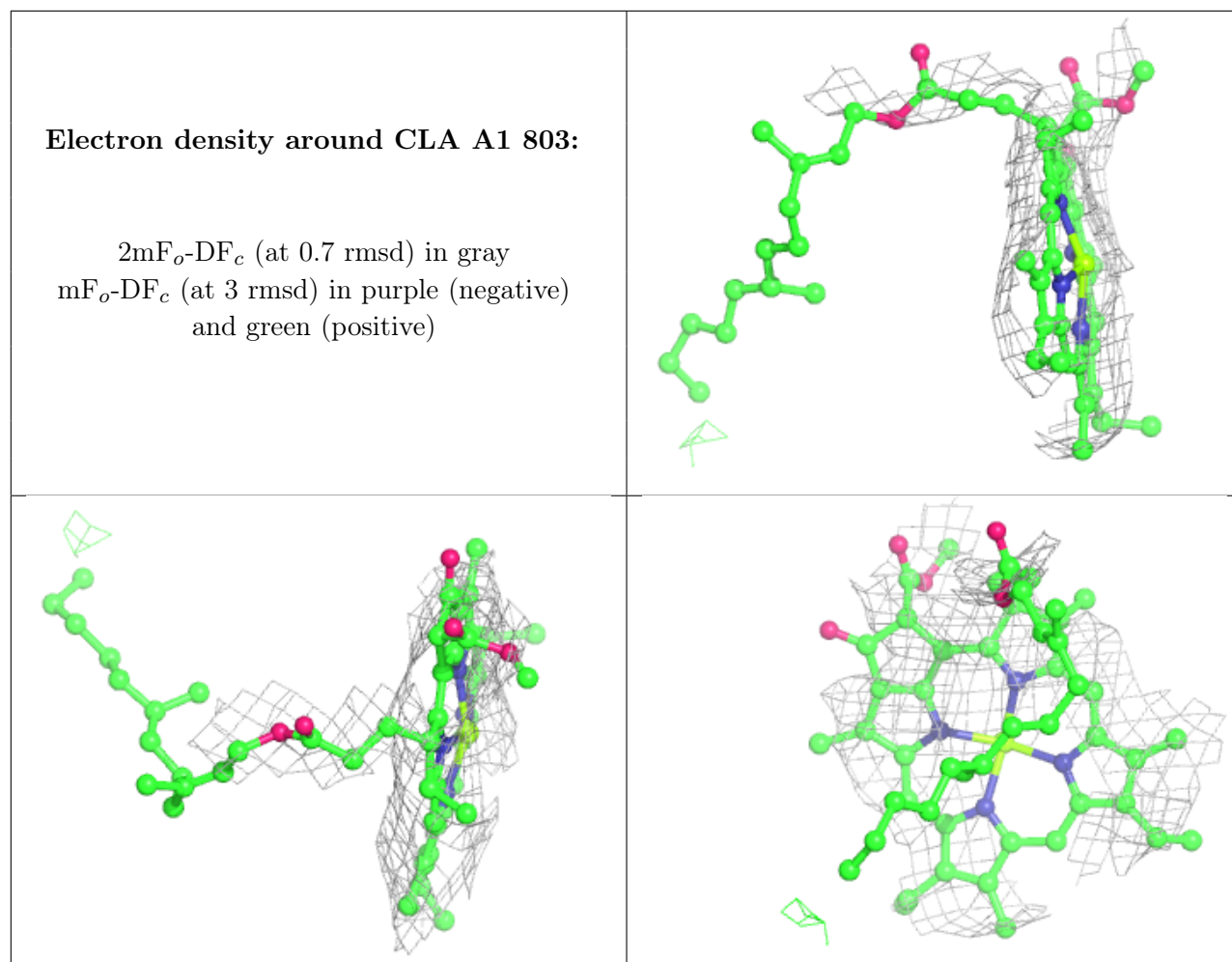






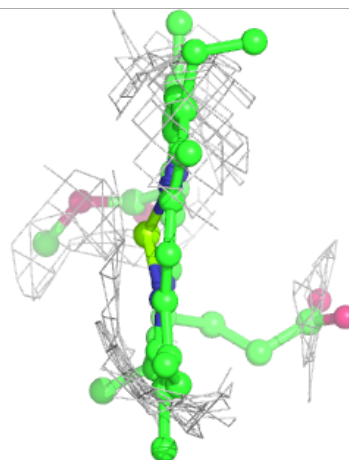
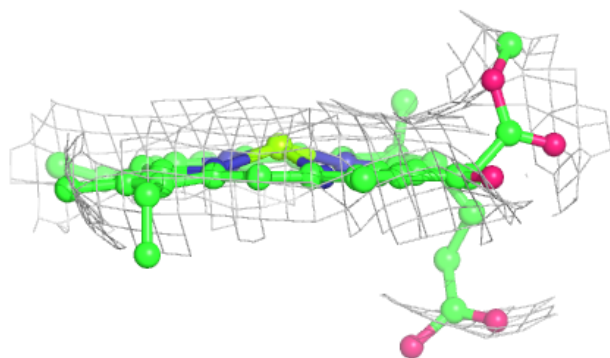
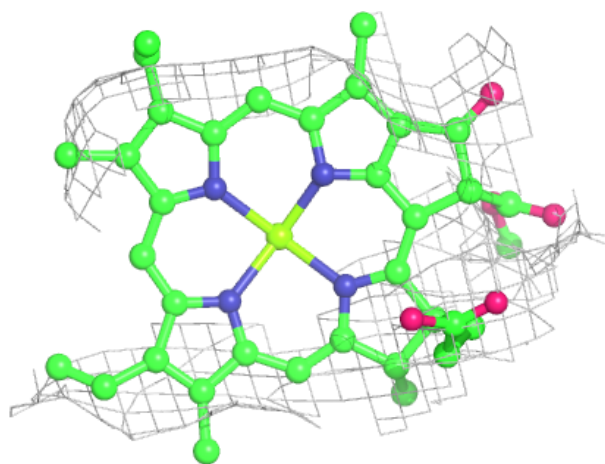






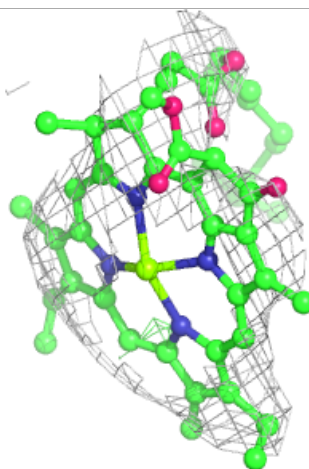
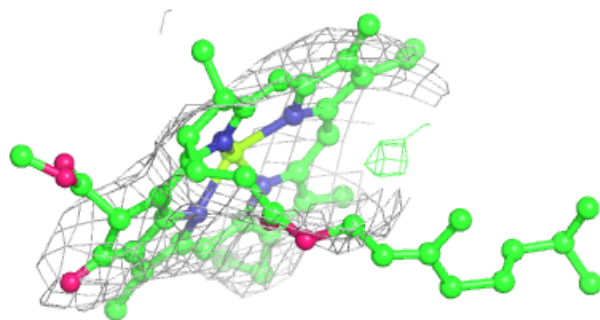
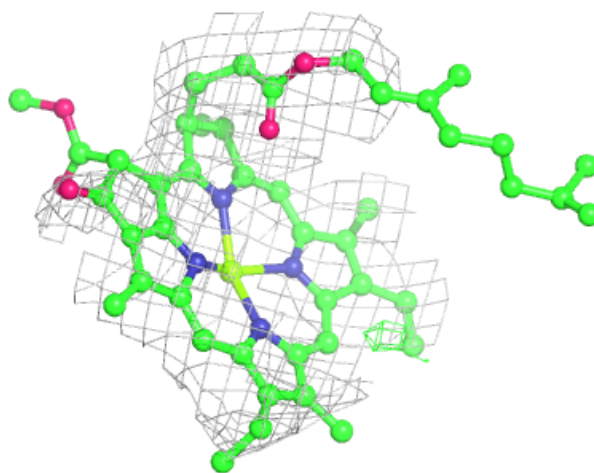
**Electron density around CLA B1 816:**

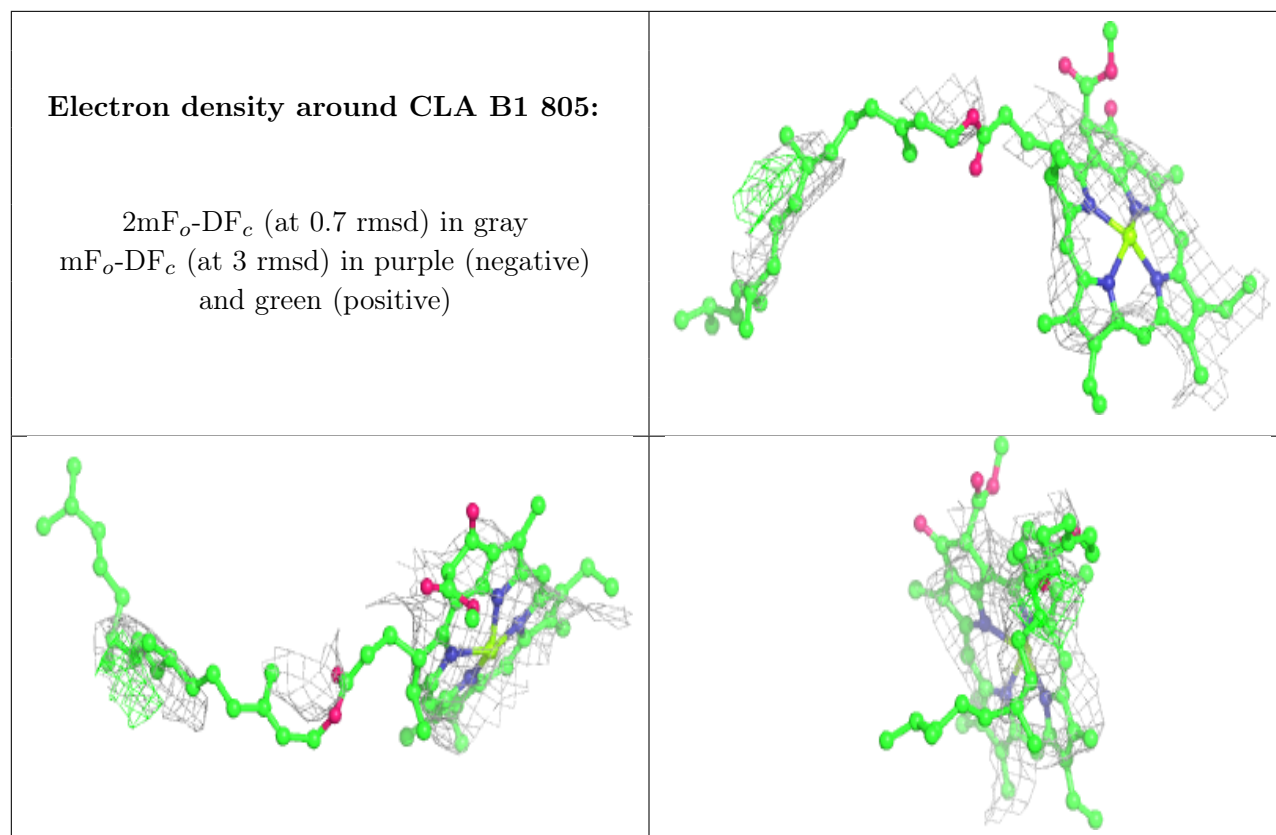
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B1 817:**

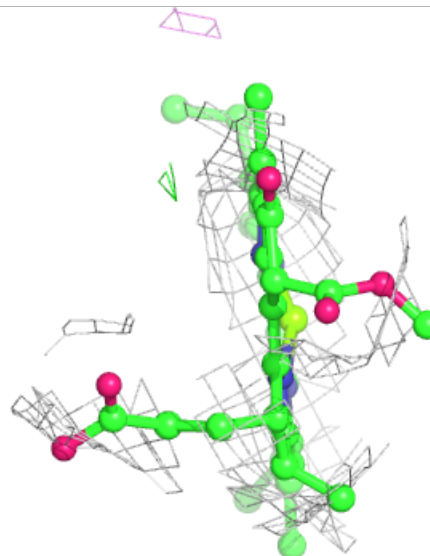
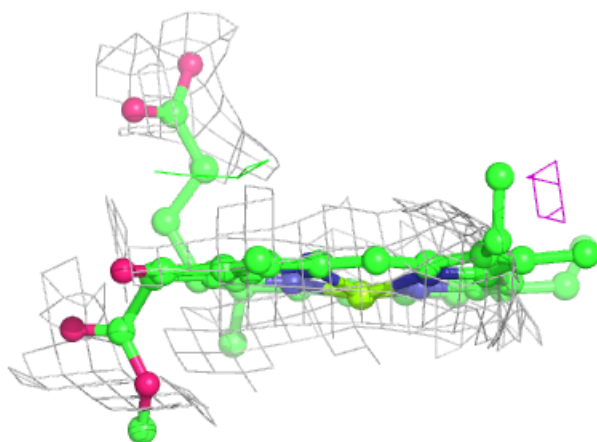
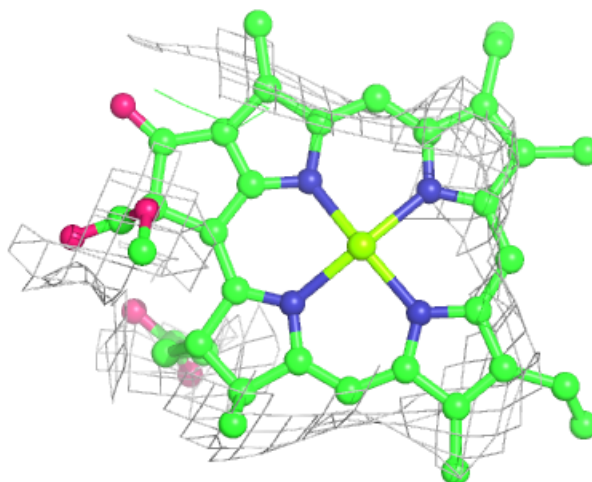
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

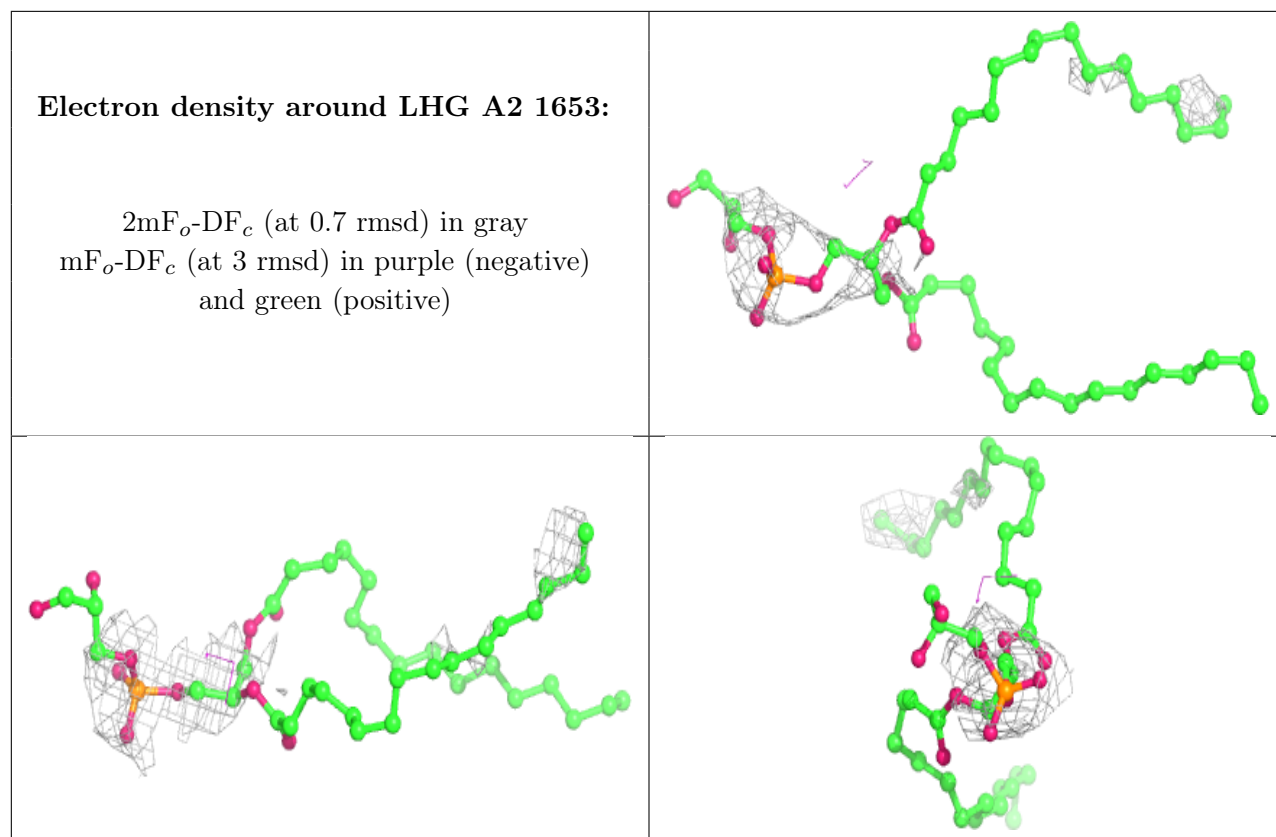


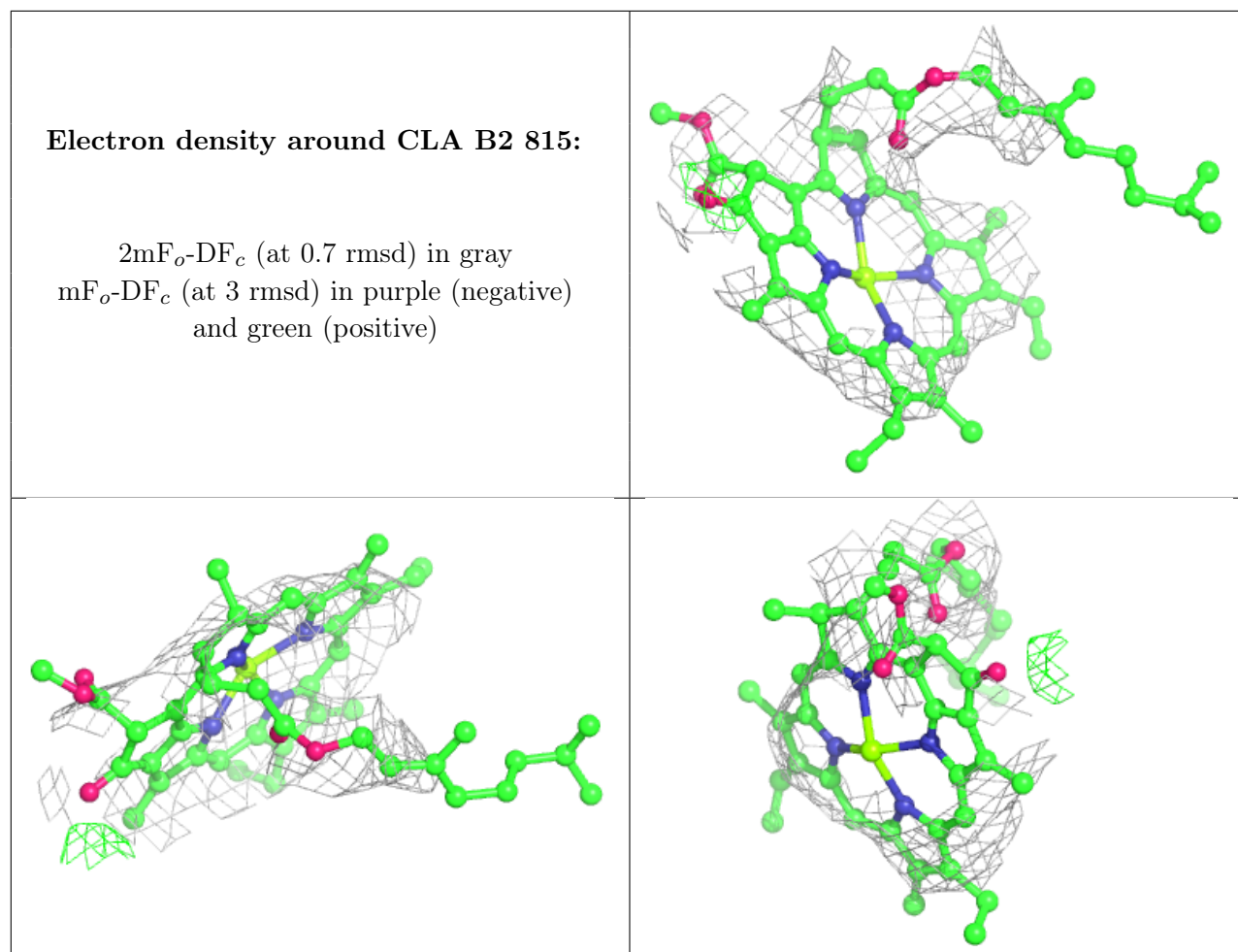


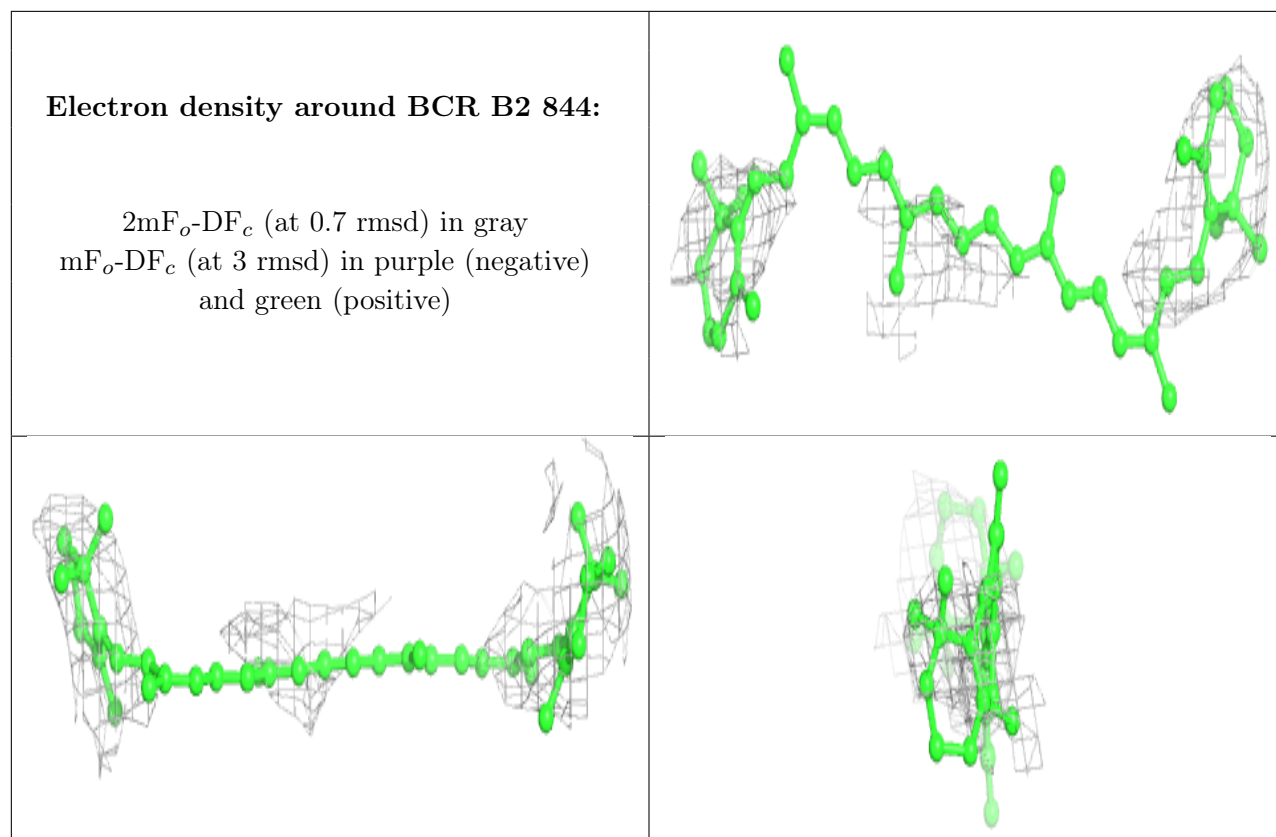
**Electron density around CLA A5 815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

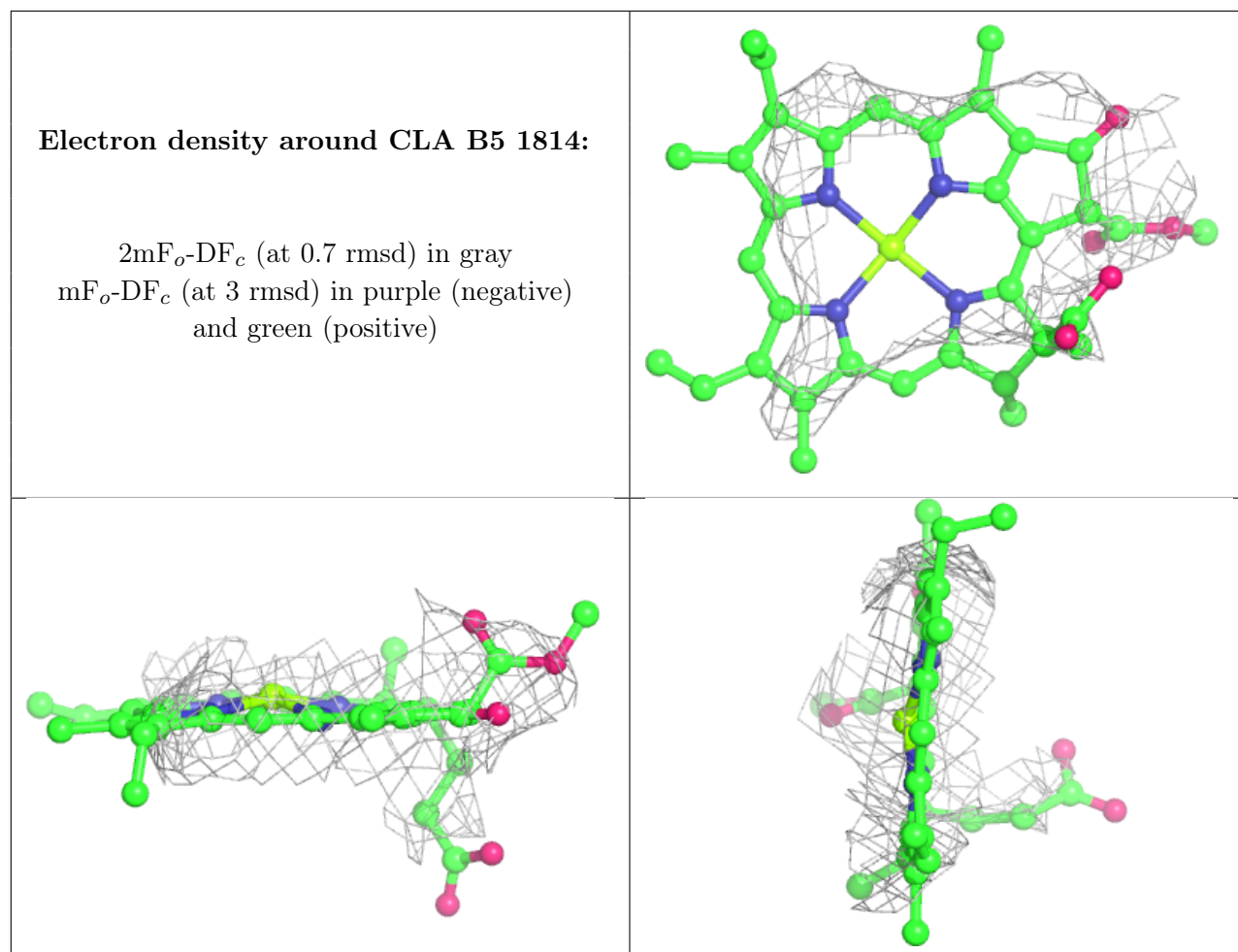






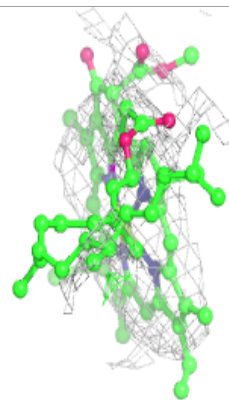
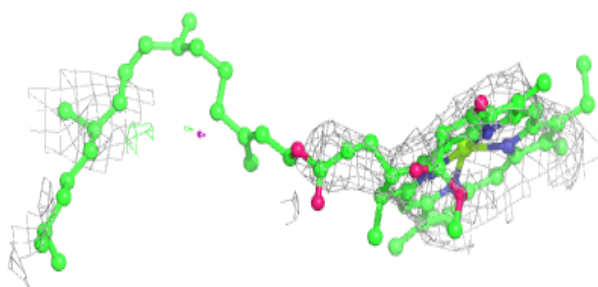
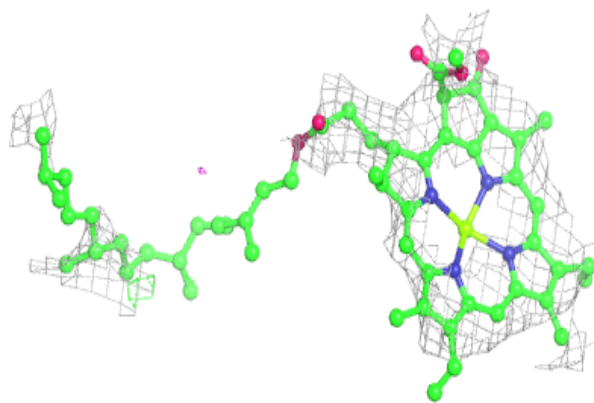




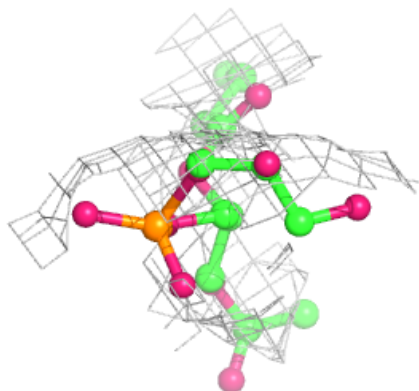
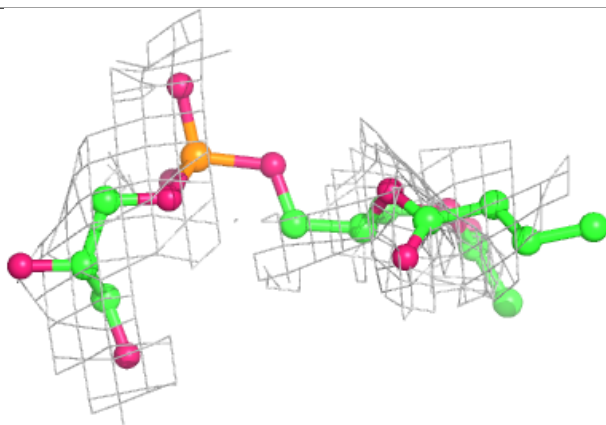
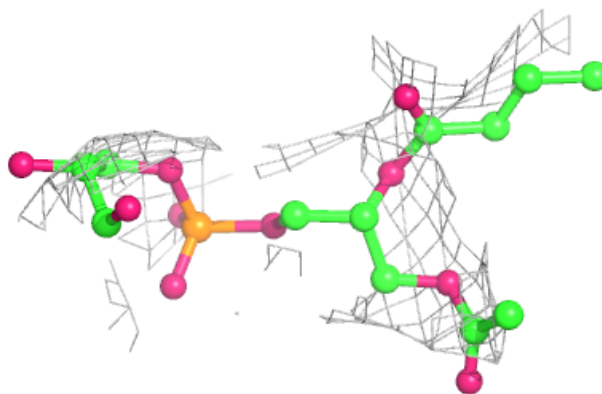


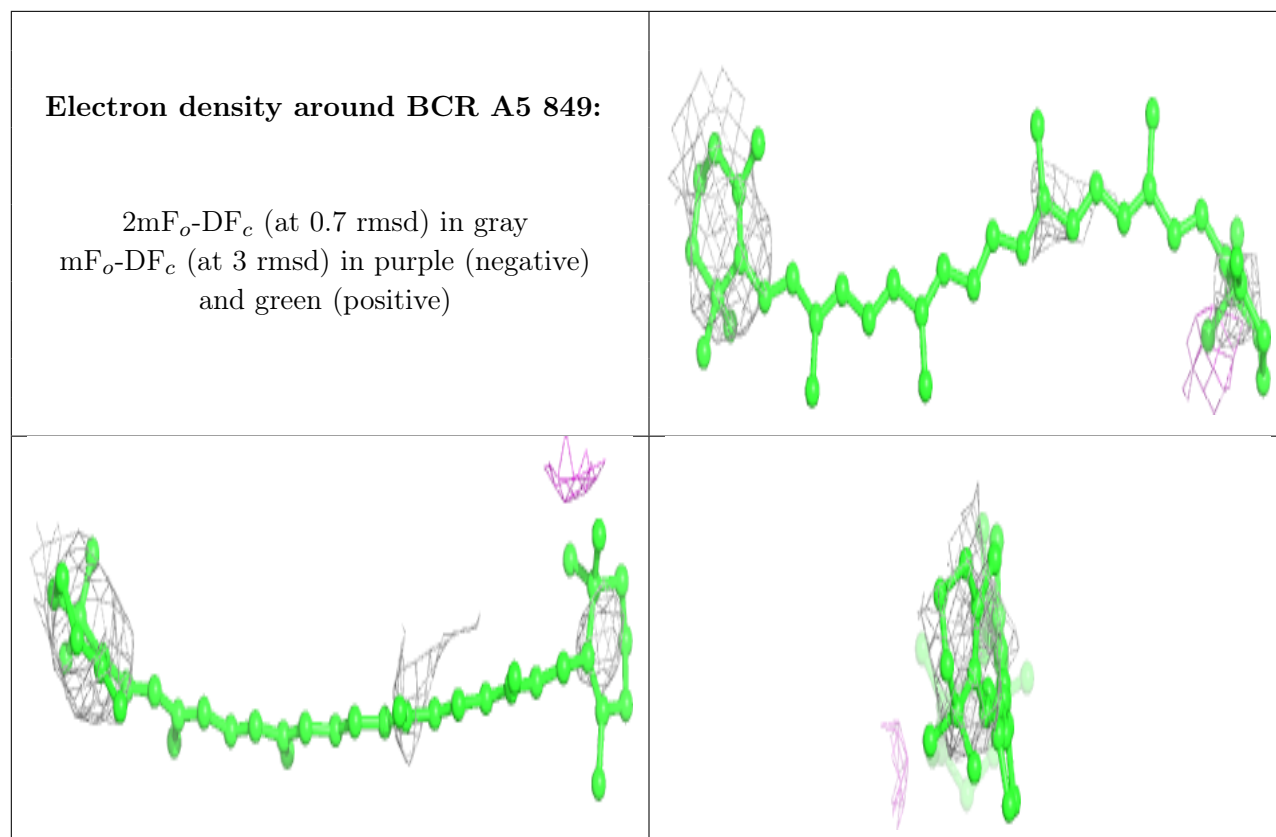
**Electron density around CLA B5 1815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around LHG B6 849:**

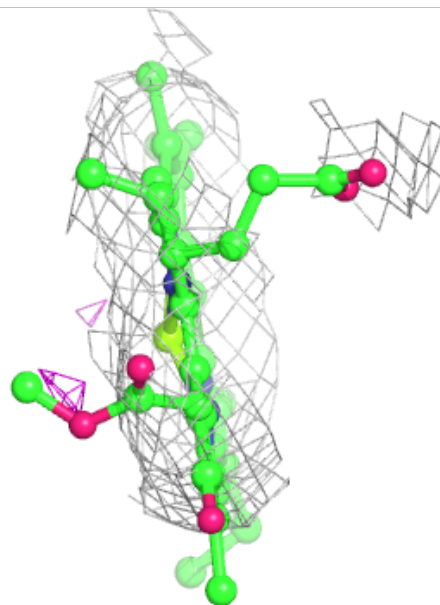
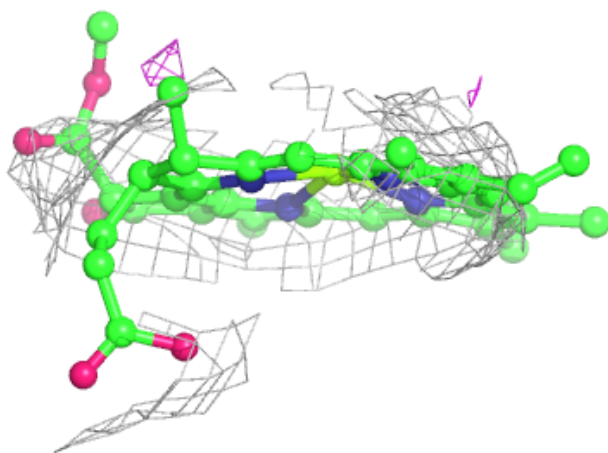
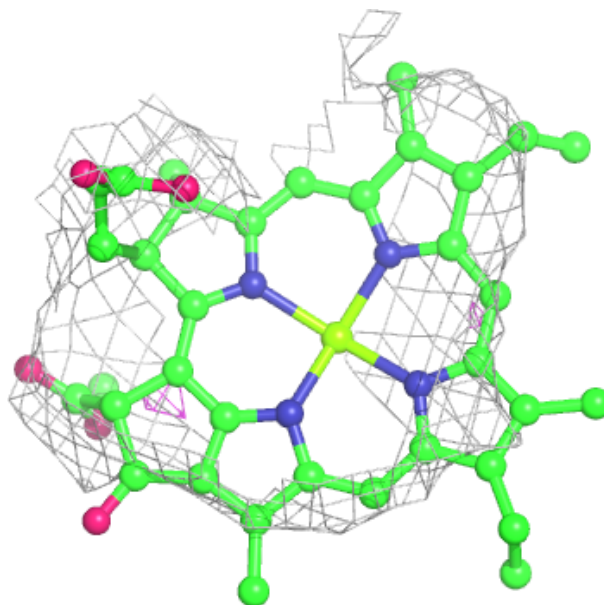
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





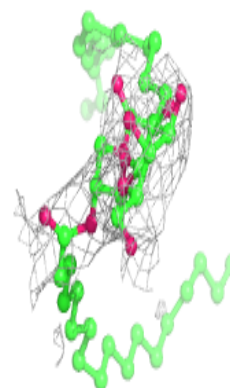
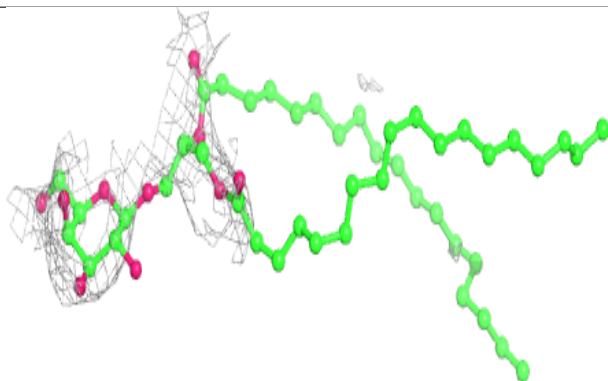
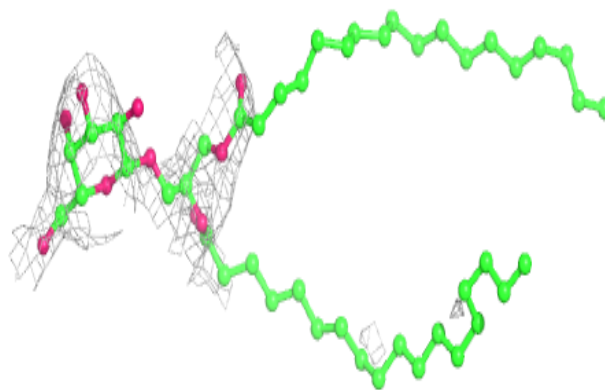
**Electron density around CLA B2 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

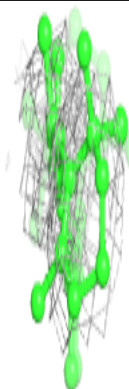
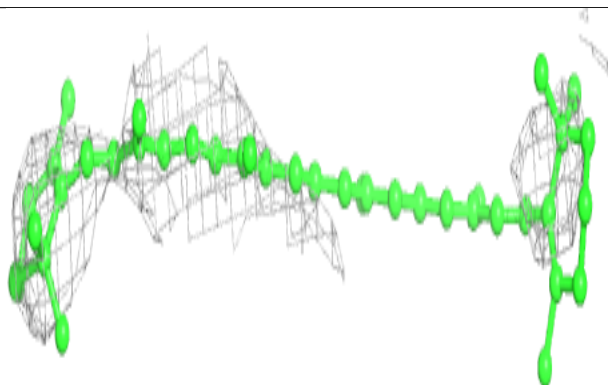
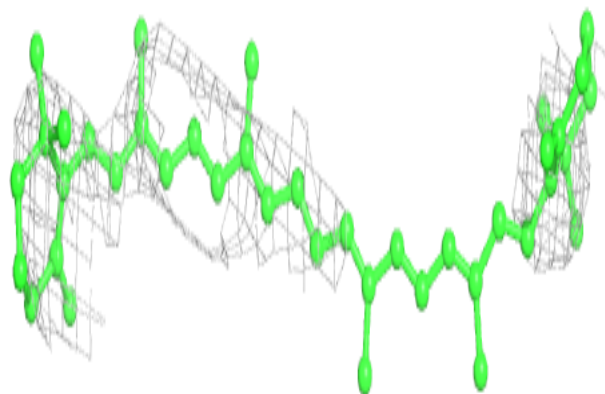


**Electron density around LMG B3 1850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

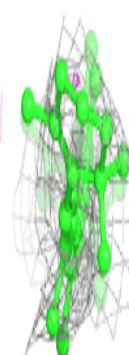
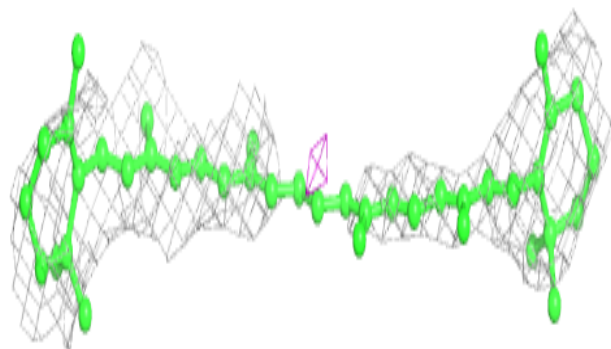
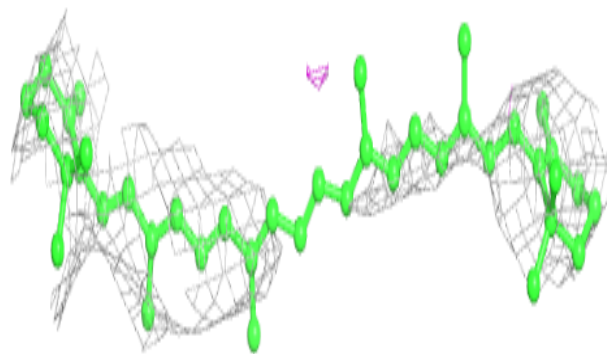
**Electron density around BCR A5 853:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

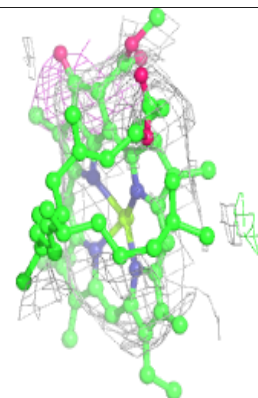
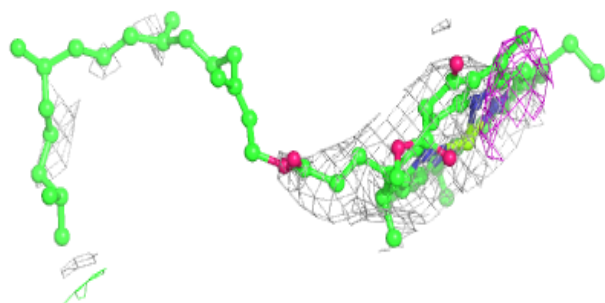
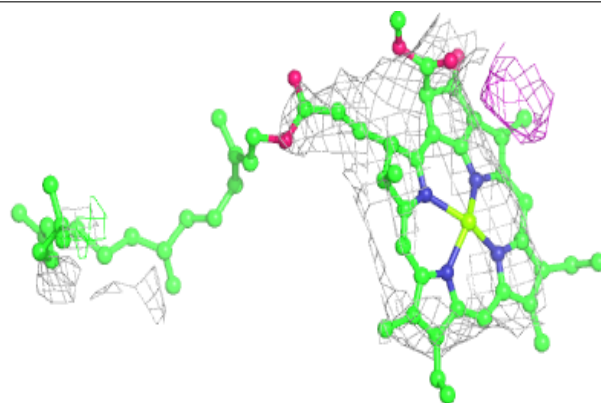


**Electron density around BCR A6 1644:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

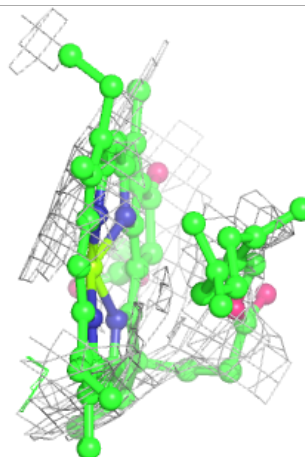
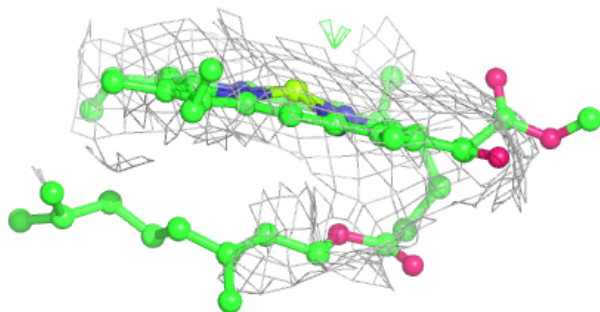
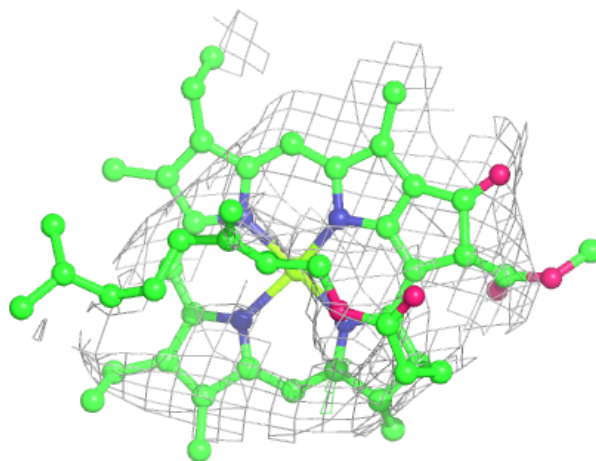
**Electron density around CLA B4 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B1 823:**

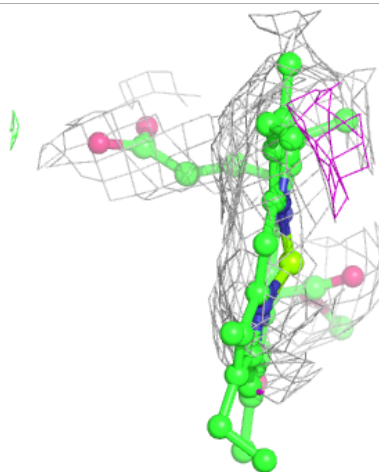
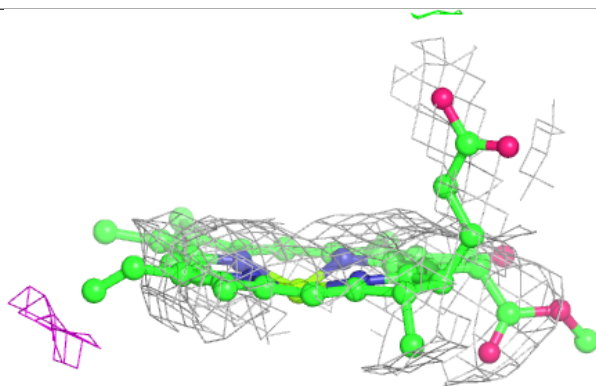
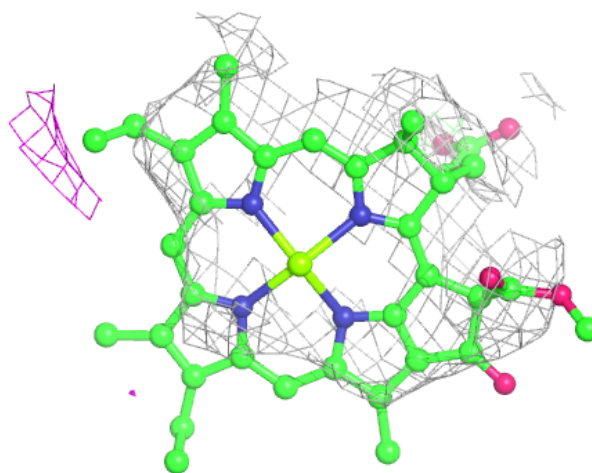
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B4 813:**

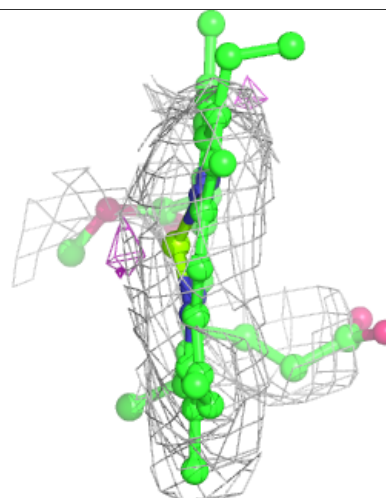
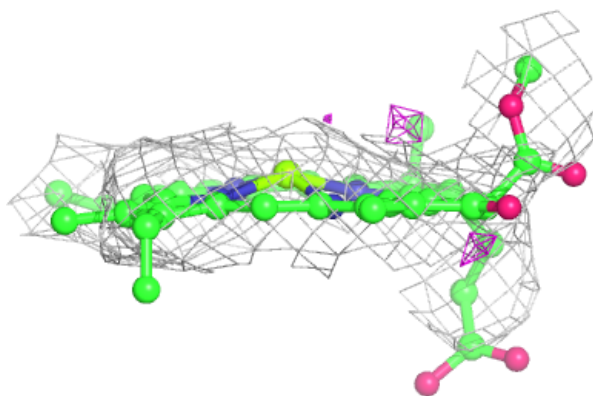
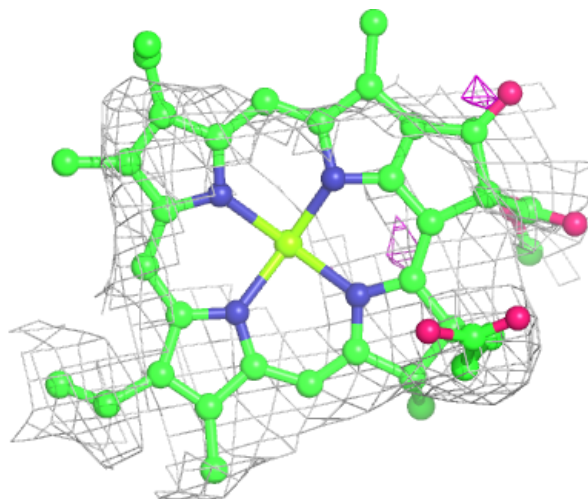
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





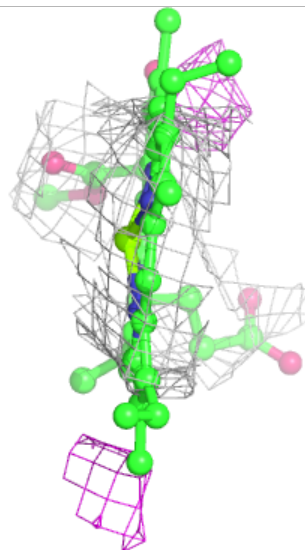
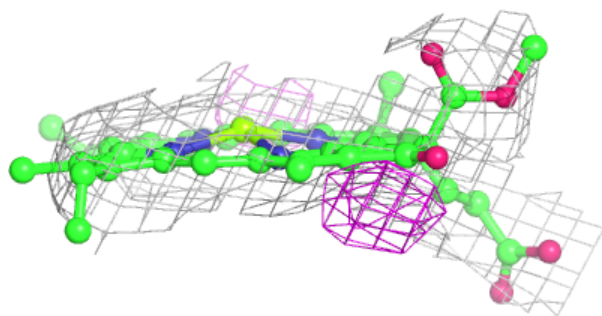
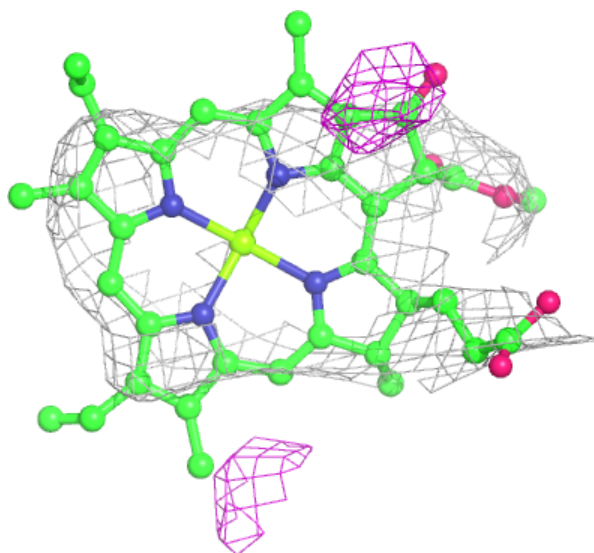
**Electron density around CLA B4 817:**

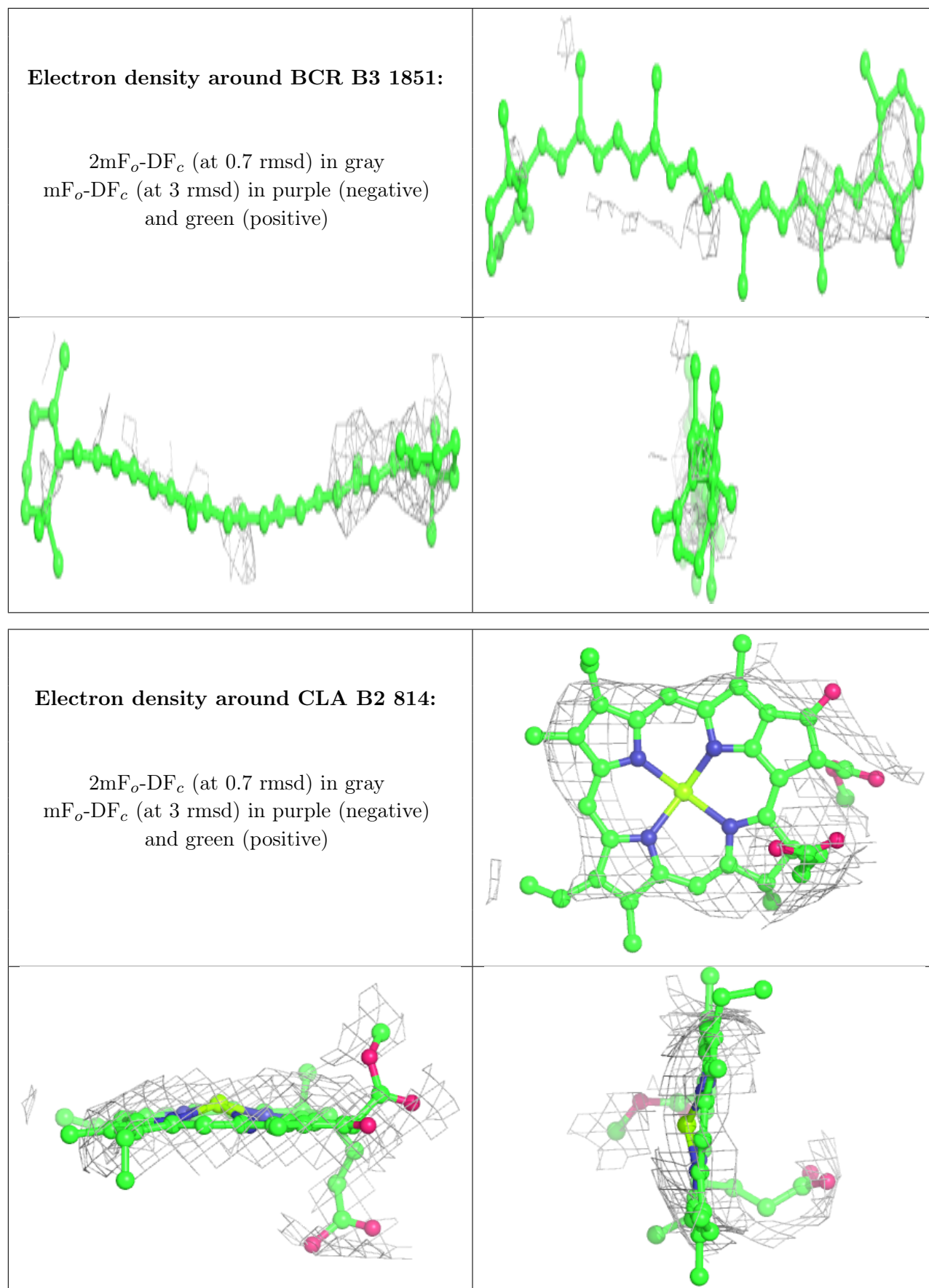
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B1 824:**

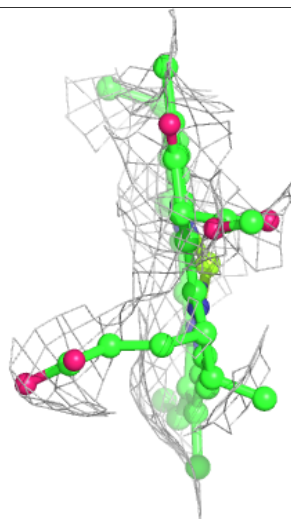
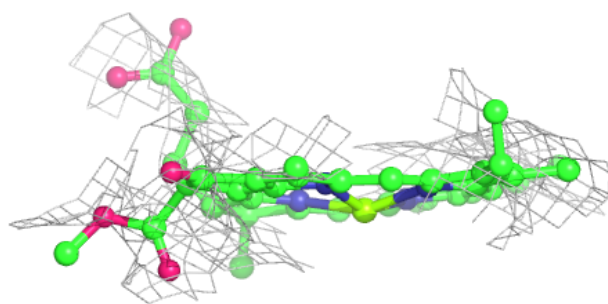
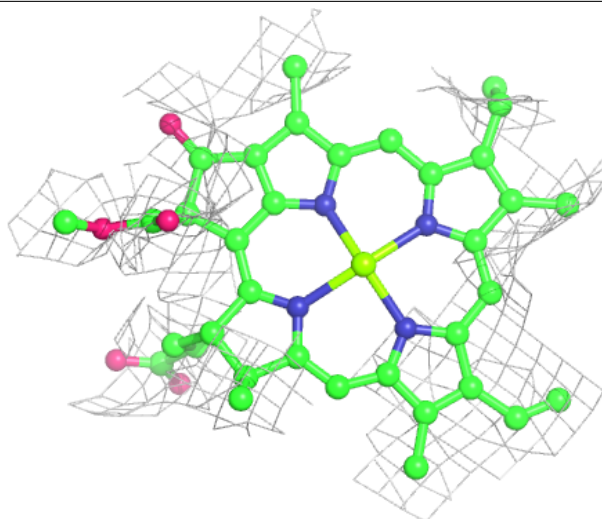
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

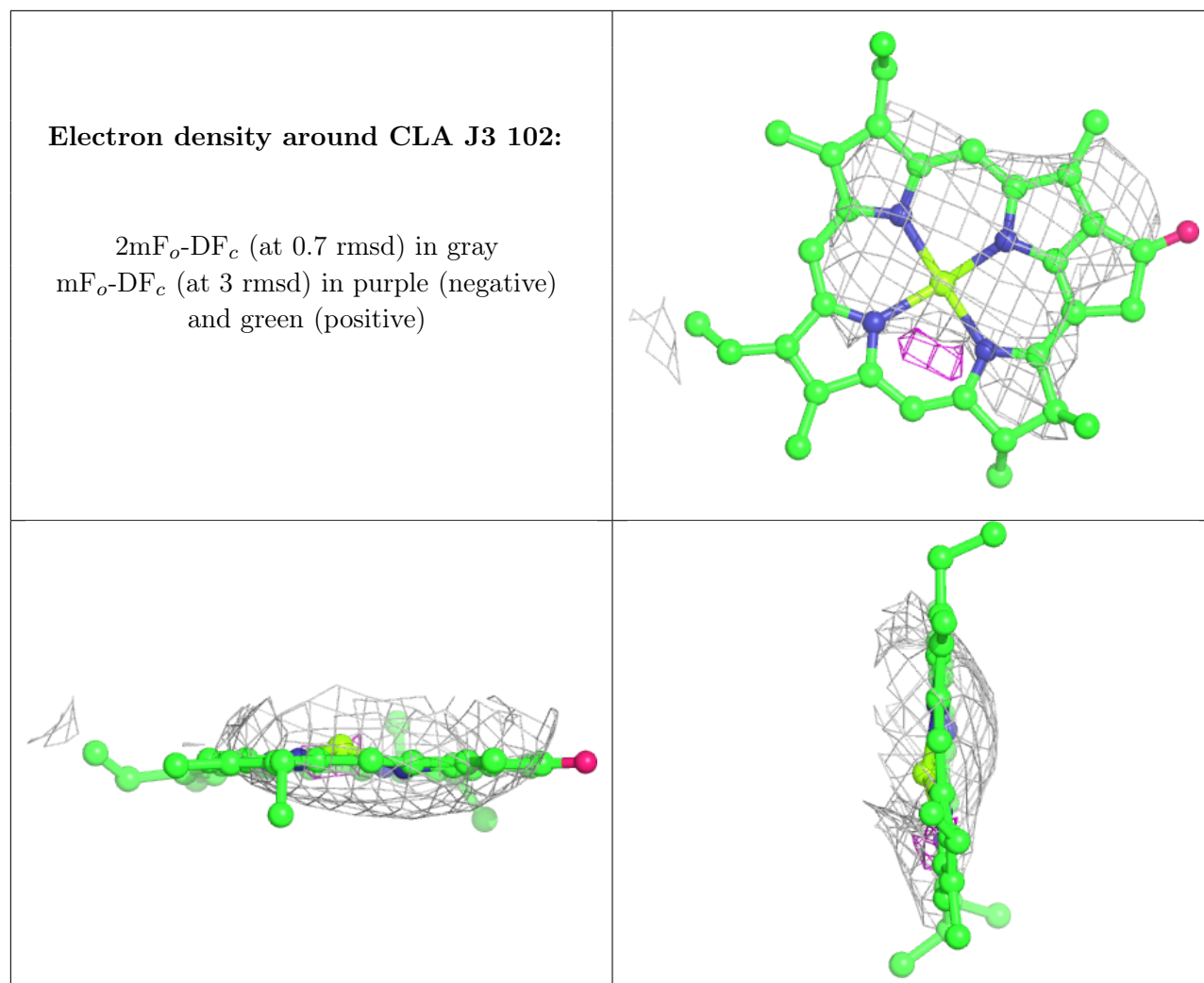


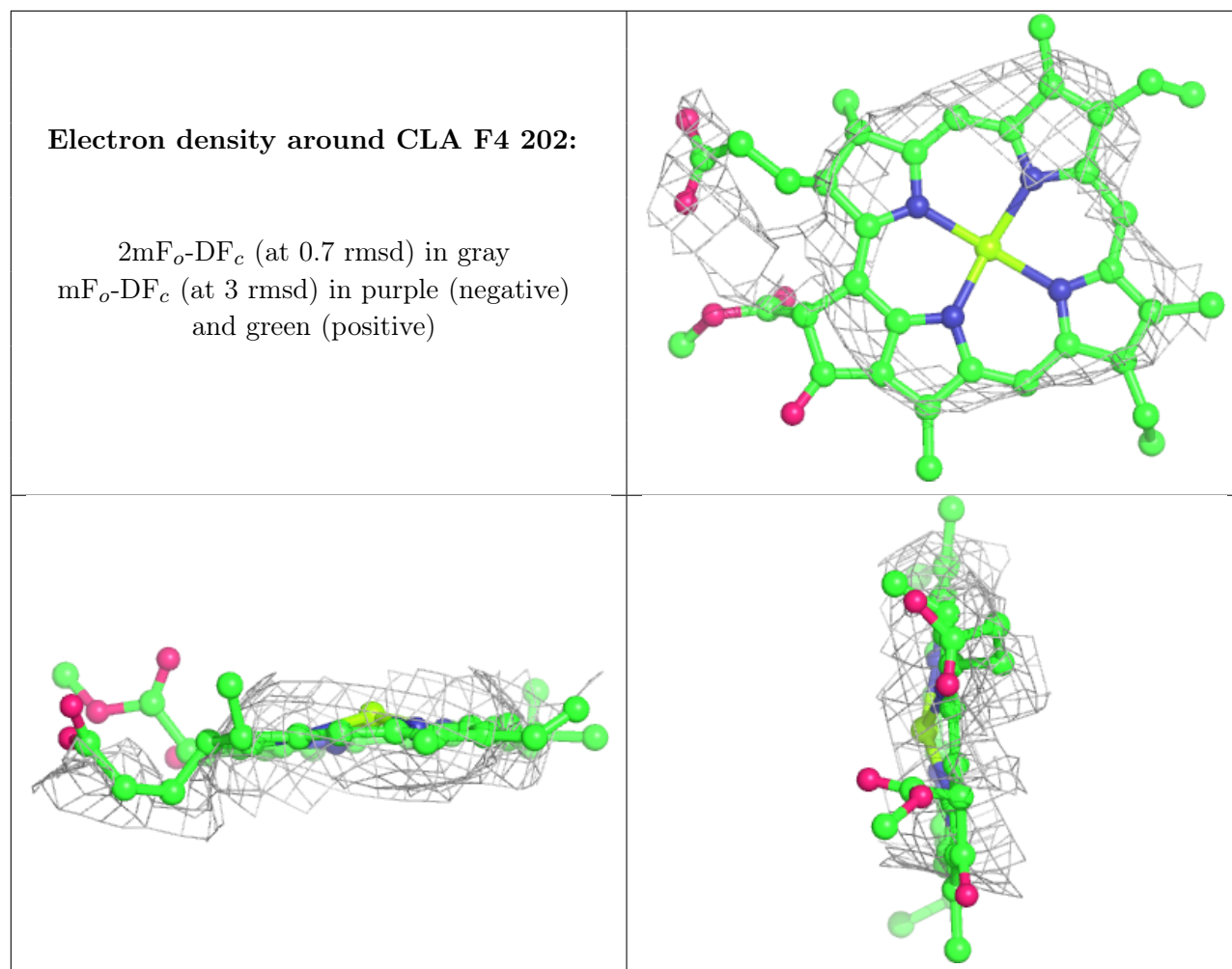


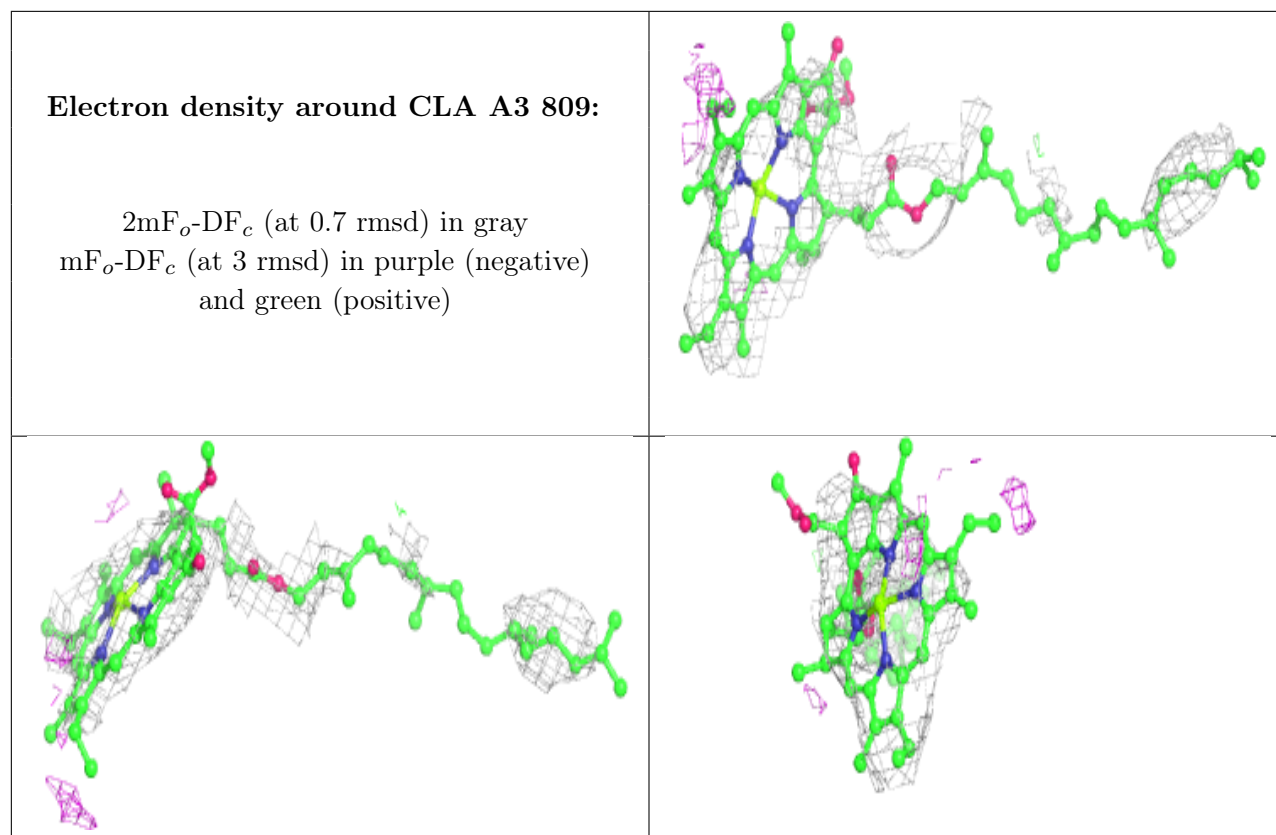
**Electron density around CLA B4 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





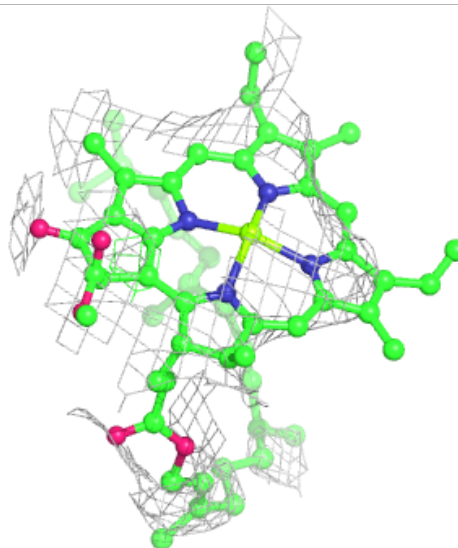
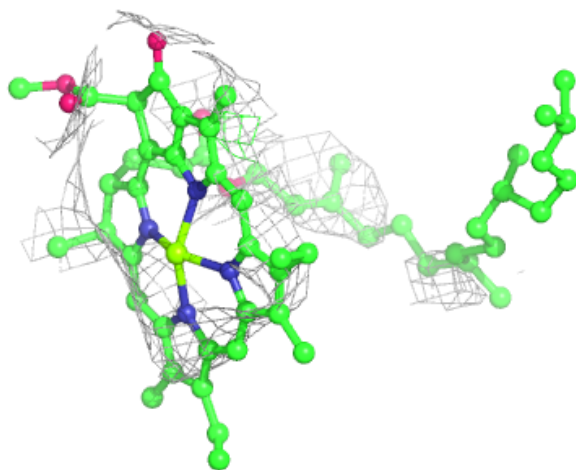
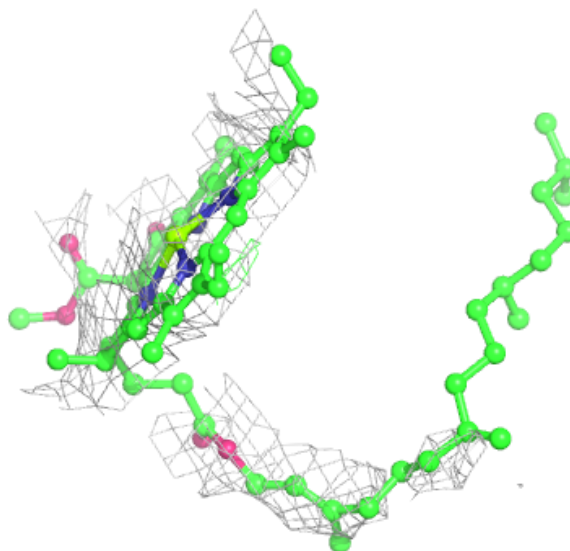




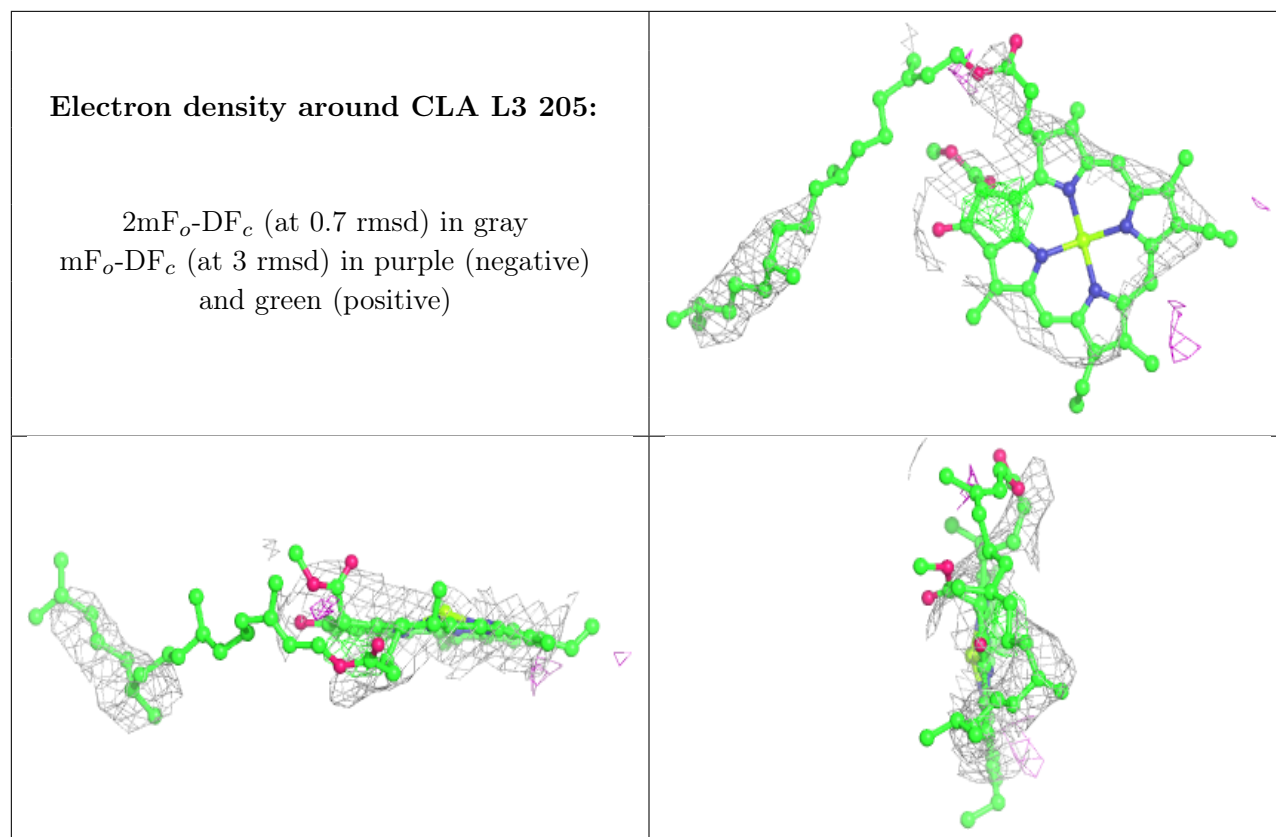


**Electron density around CLA B6 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

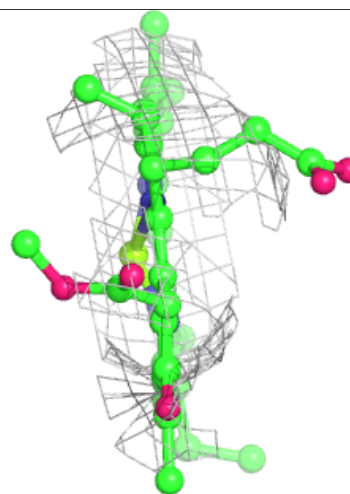
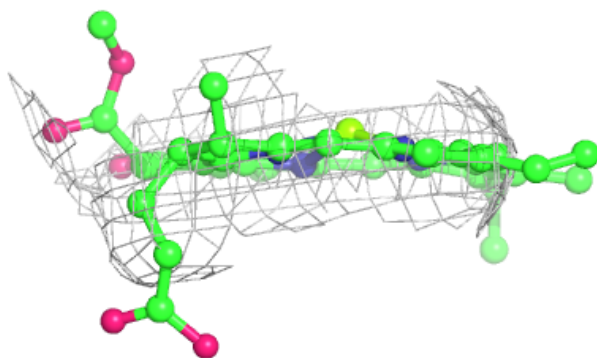
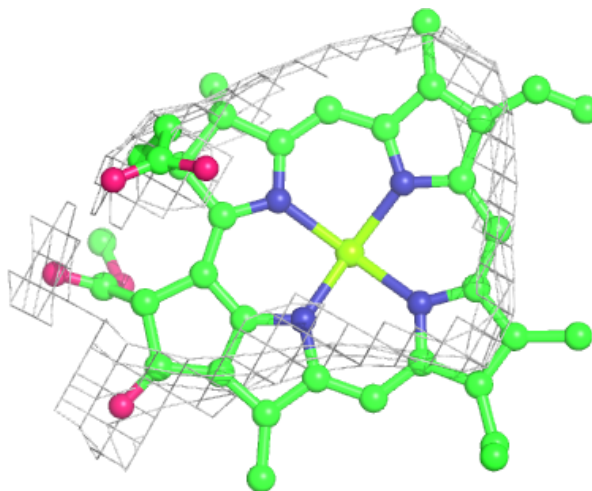






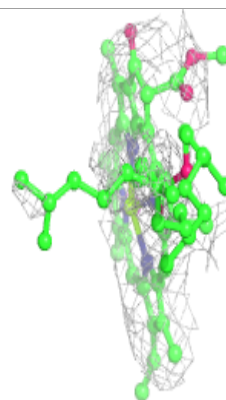
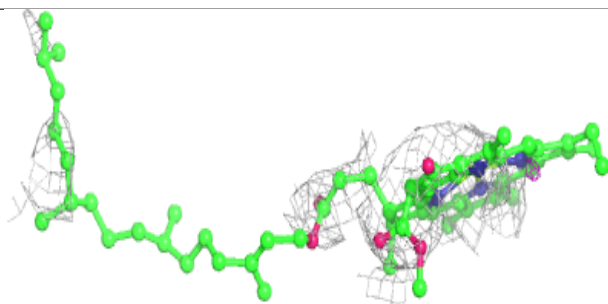
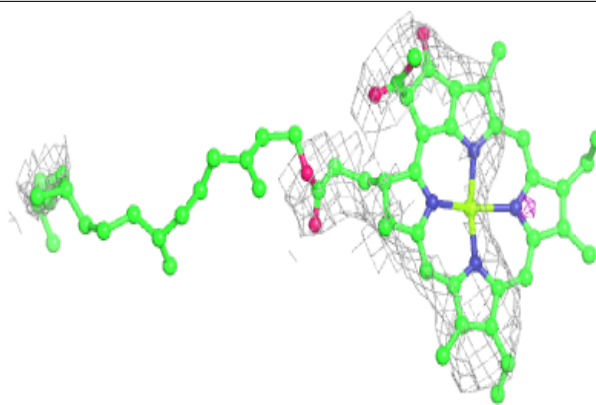
**Electron density around CLA B3 1817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

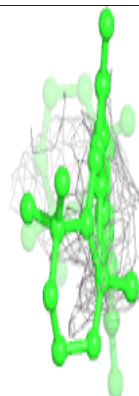
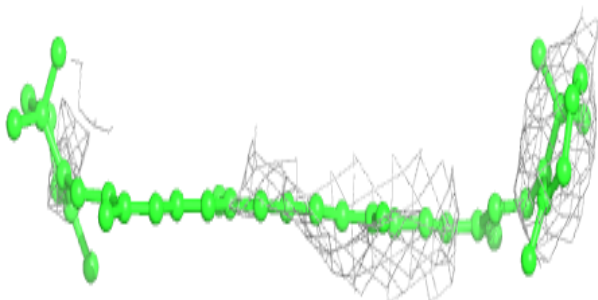
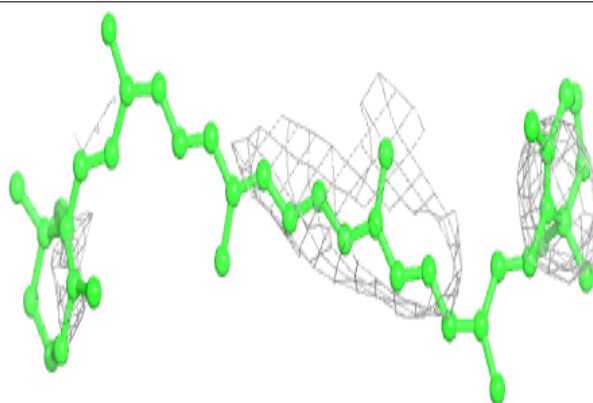


**Electron density around CLA A4 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

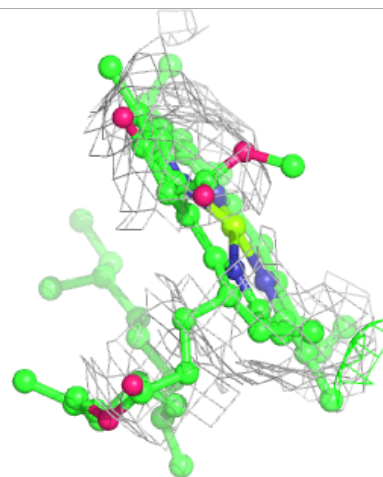
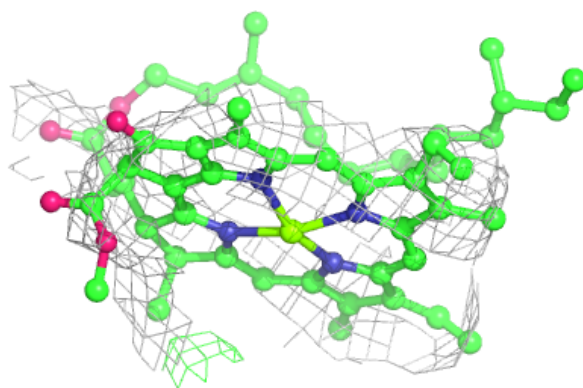
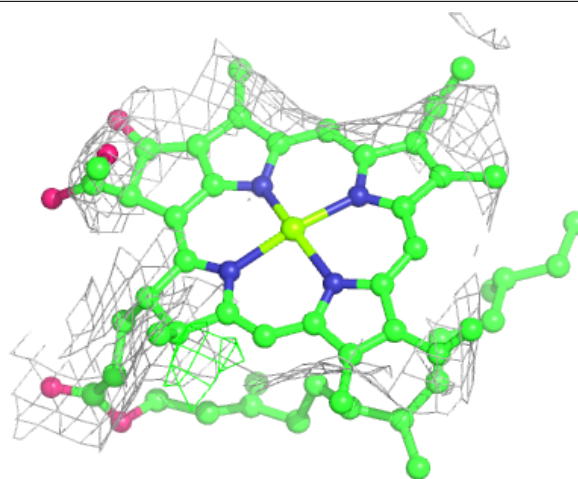
**Electron density around BCR B5 1847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



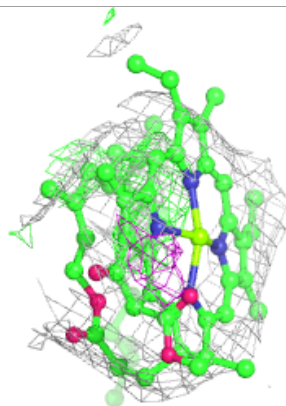
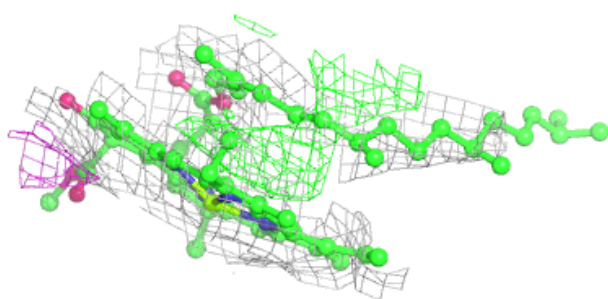
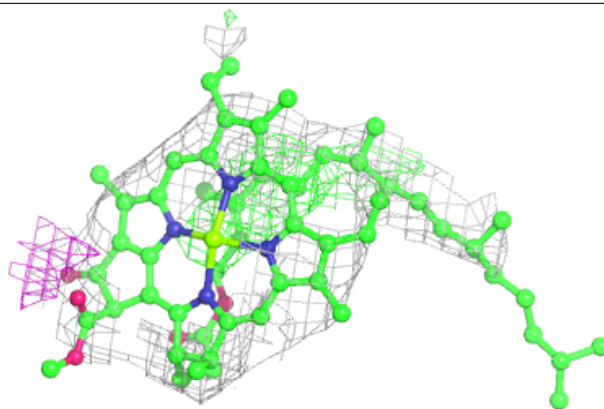
**Electron density around CLA A1 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

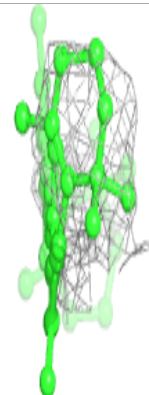
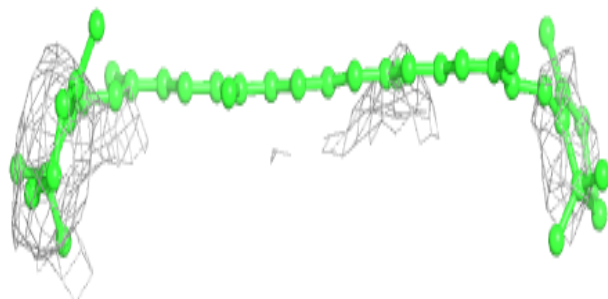
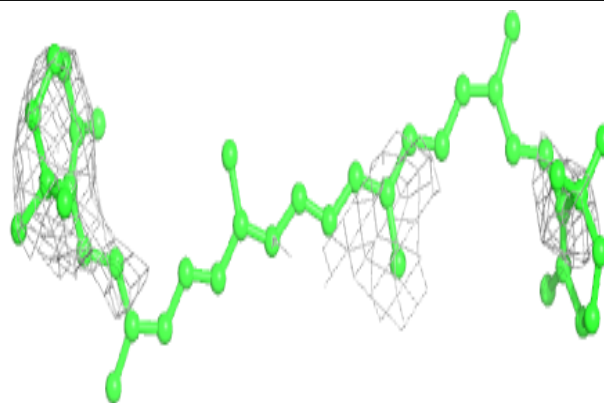


**Electron density around CLA B4 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

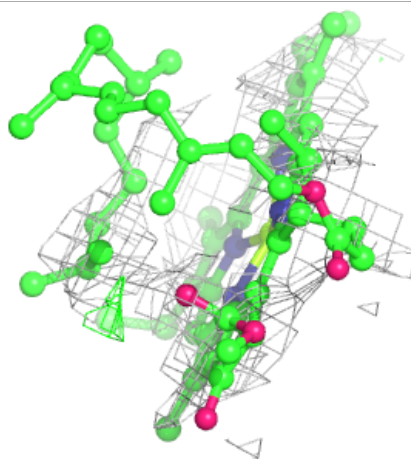
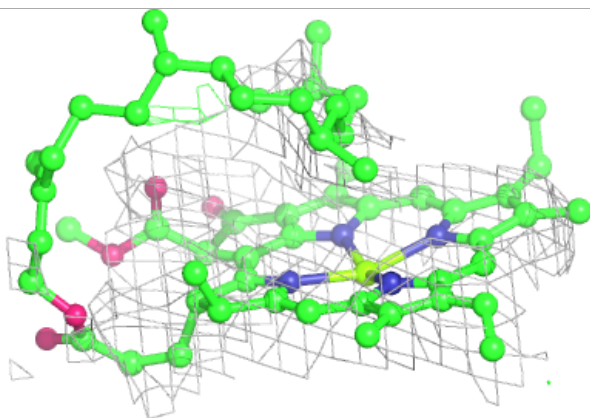
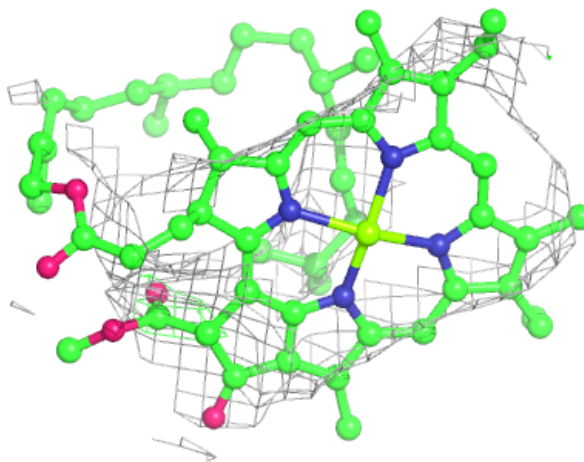
**Electron density around BCR B6 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



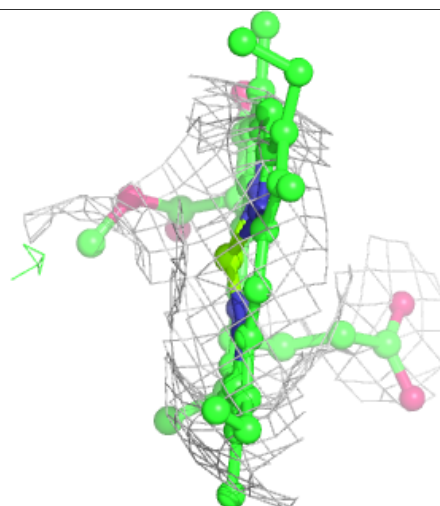
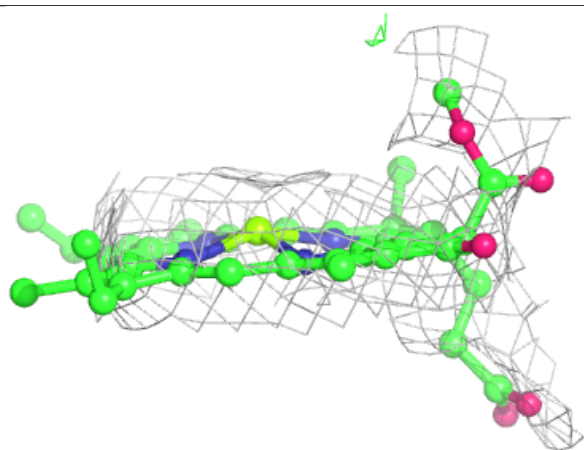
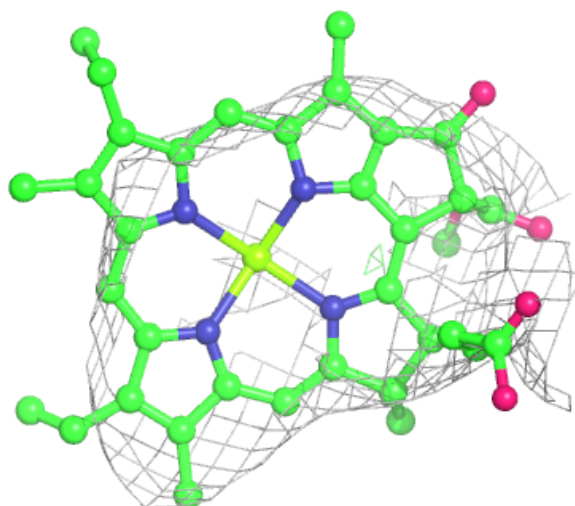
**Electron density around CLA A1 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA K1 1401:**

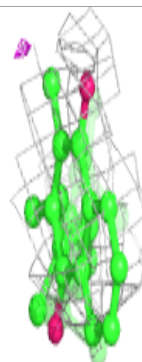
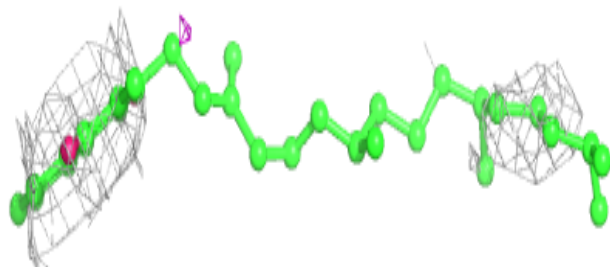
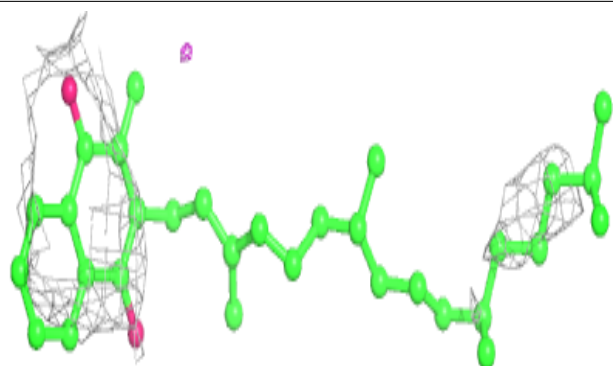
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



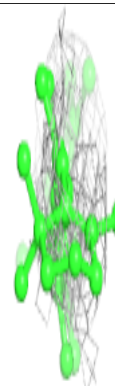
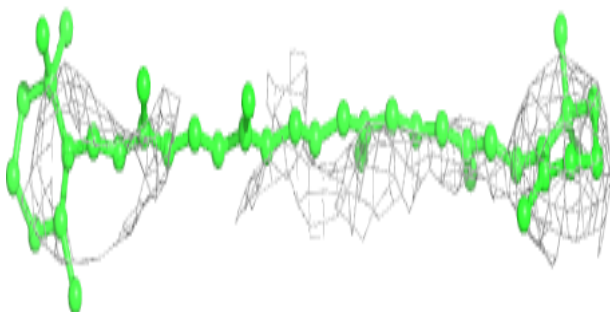
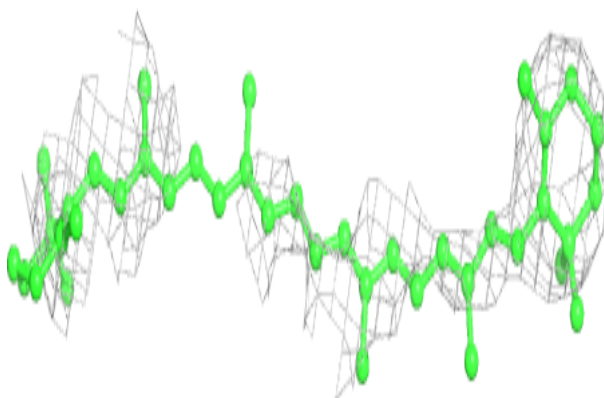


**Electron density around PQN A5 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR L3 201:**

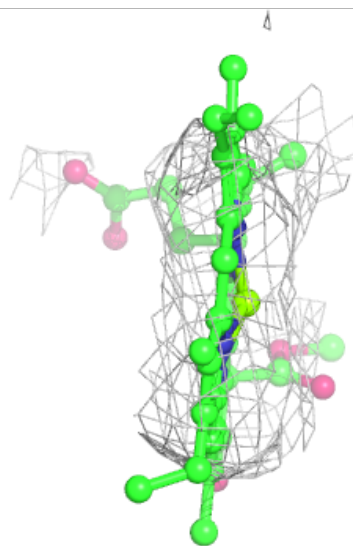
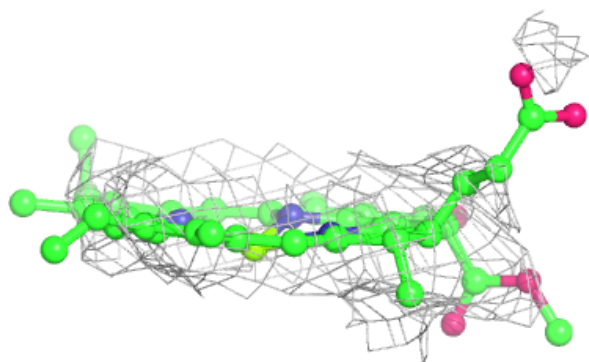
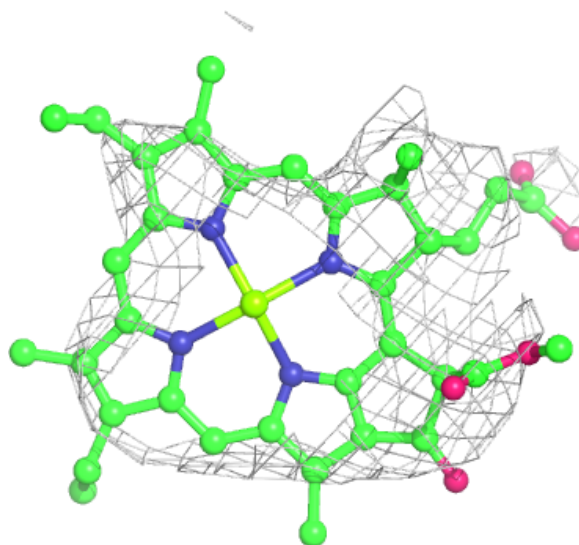
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





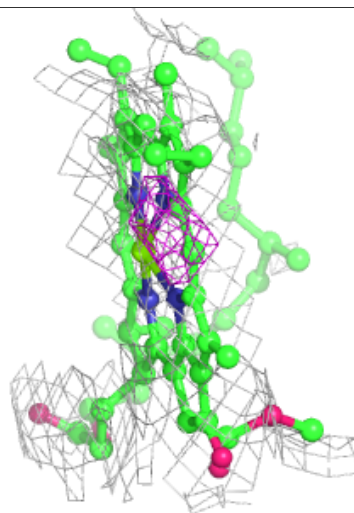
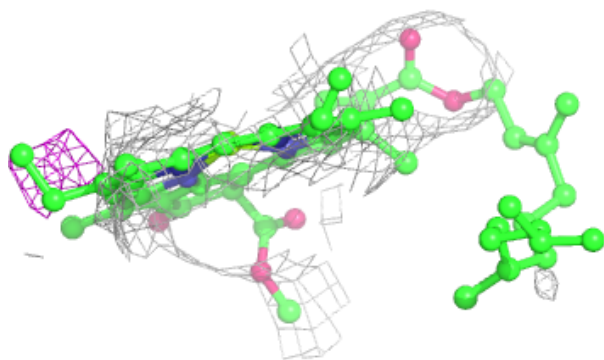
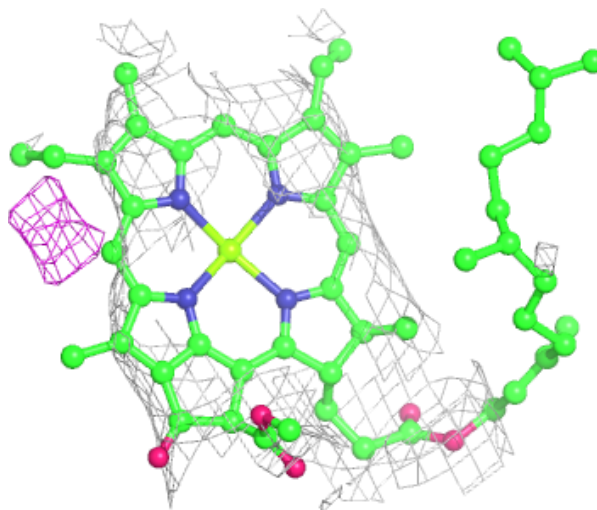
**Electron density around CLA B3 1825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



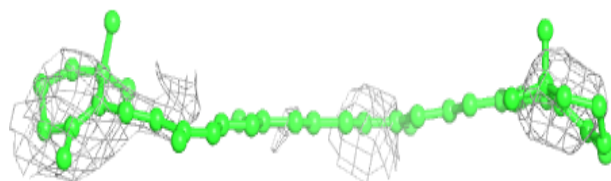
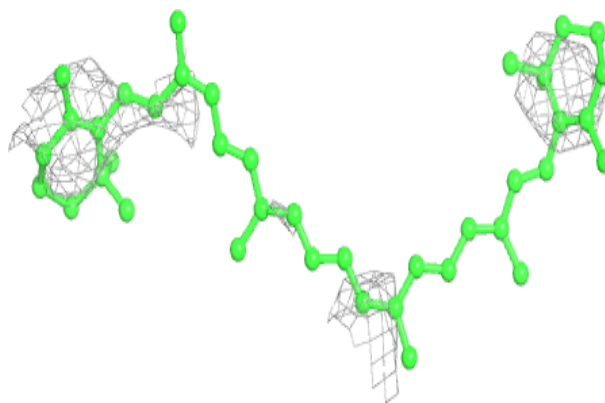
**Electron density around CLA A1 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

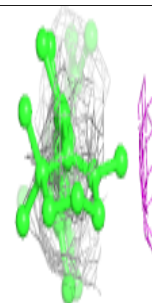
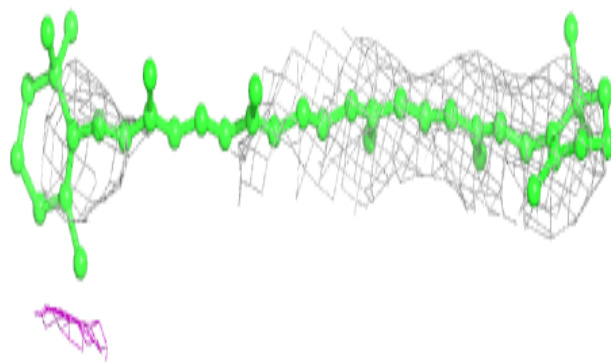
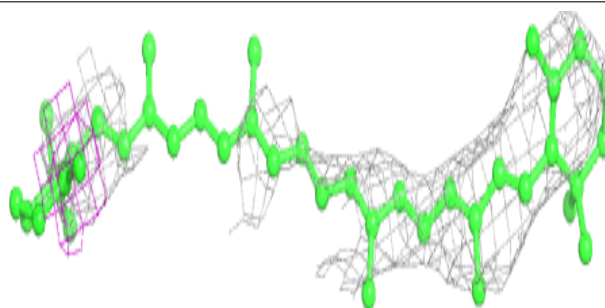


**Electron density around BCR A6 1648:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

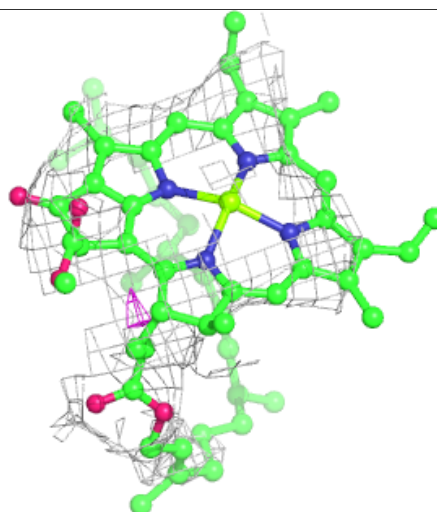
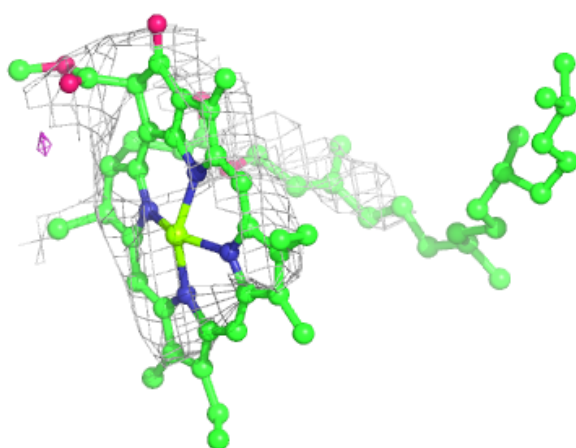
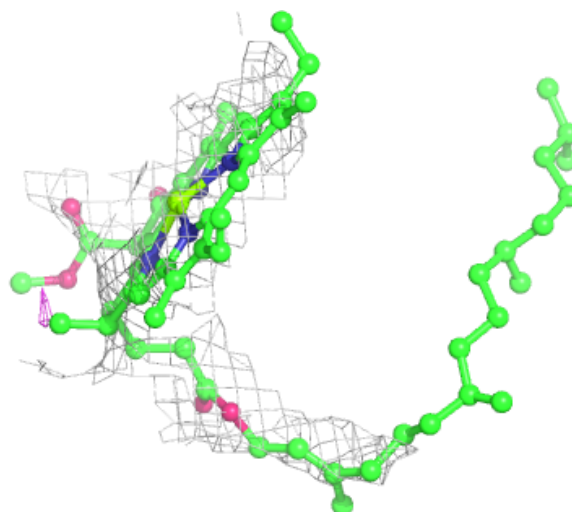
**Electron density around BCR L5 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



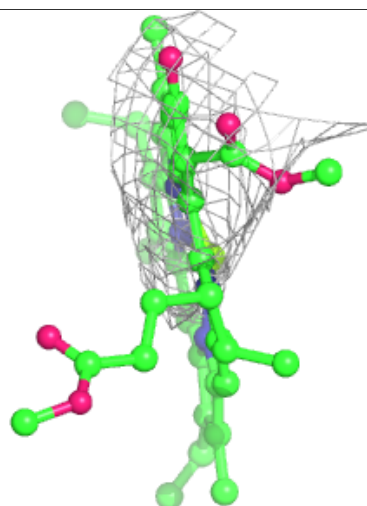
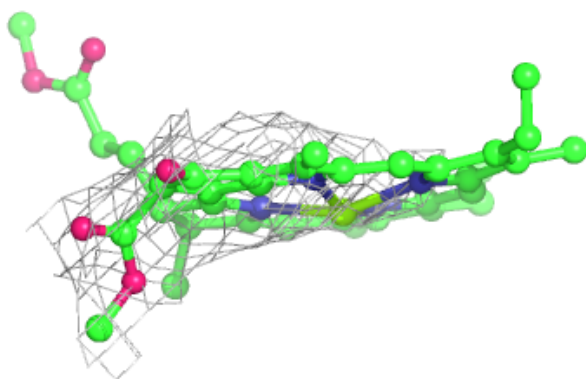
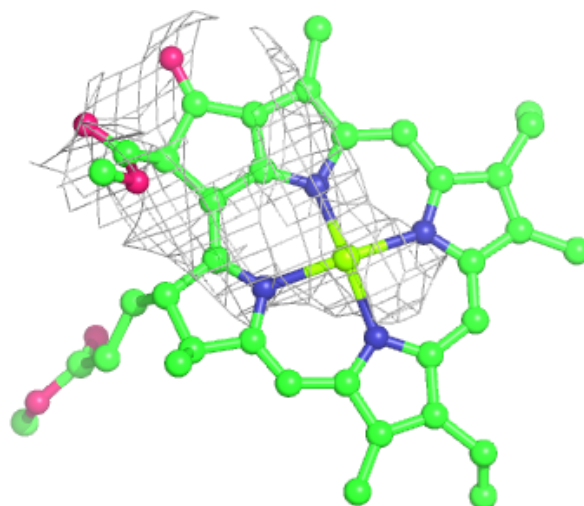
**Electron density around CLA B2 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



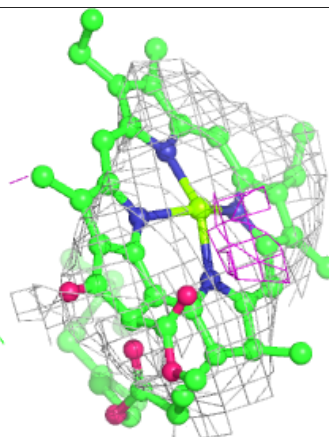
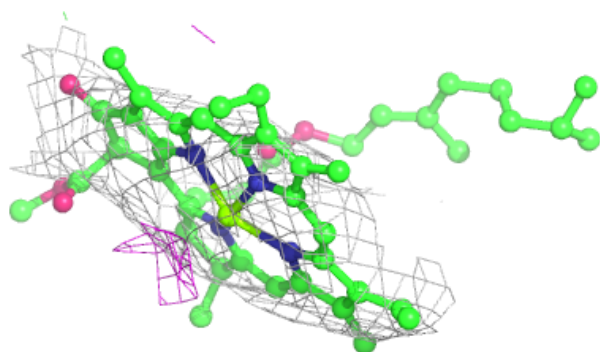
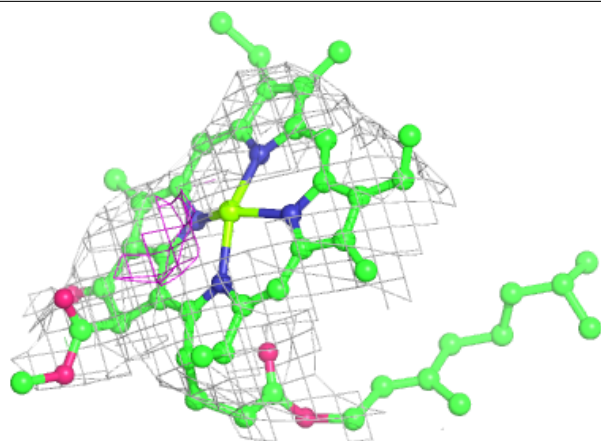
**Electron density around CLA B4 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

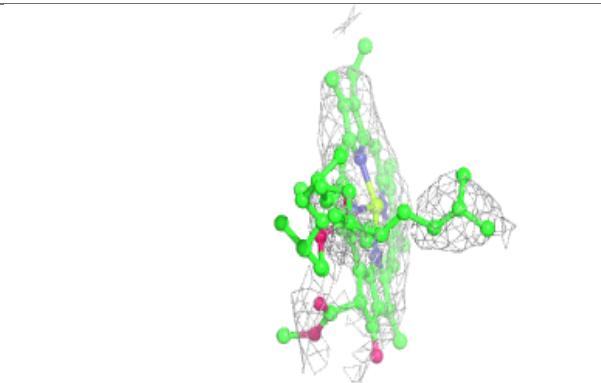
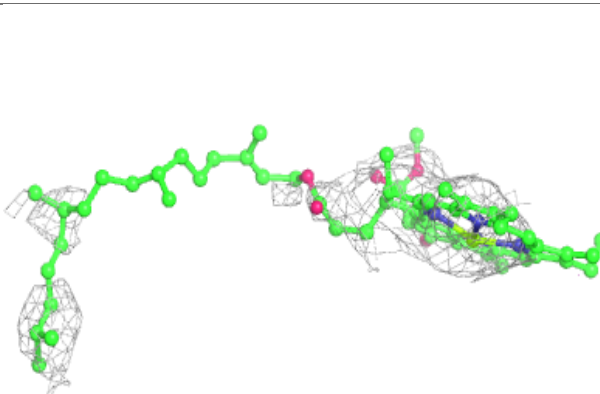
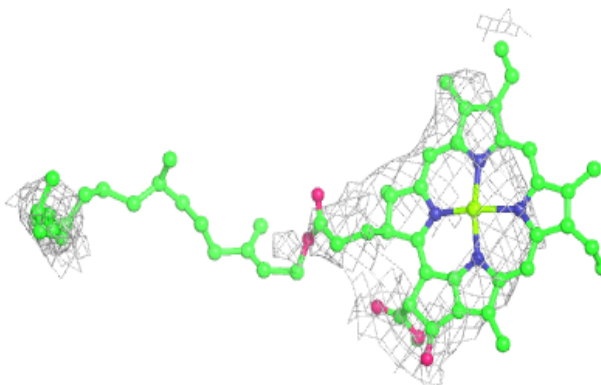


**Electron density around CLA B5 1818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A2 1607:**

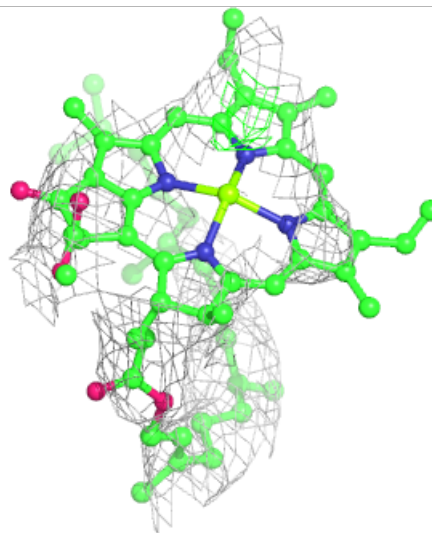
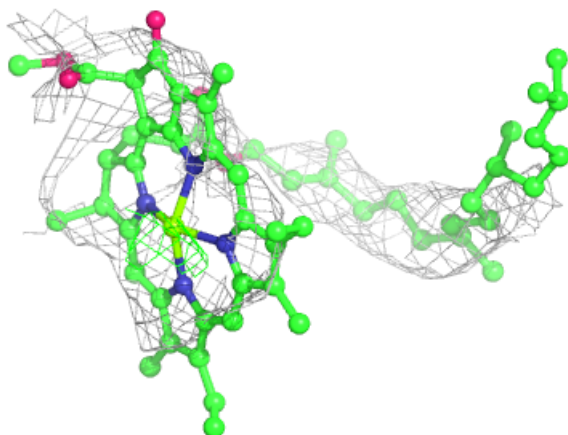
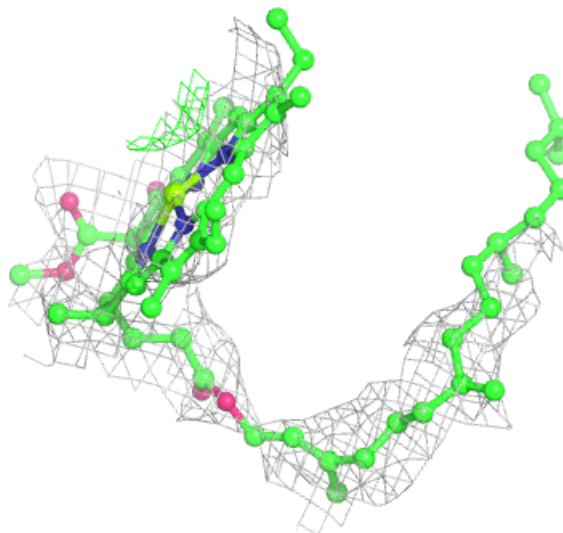
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

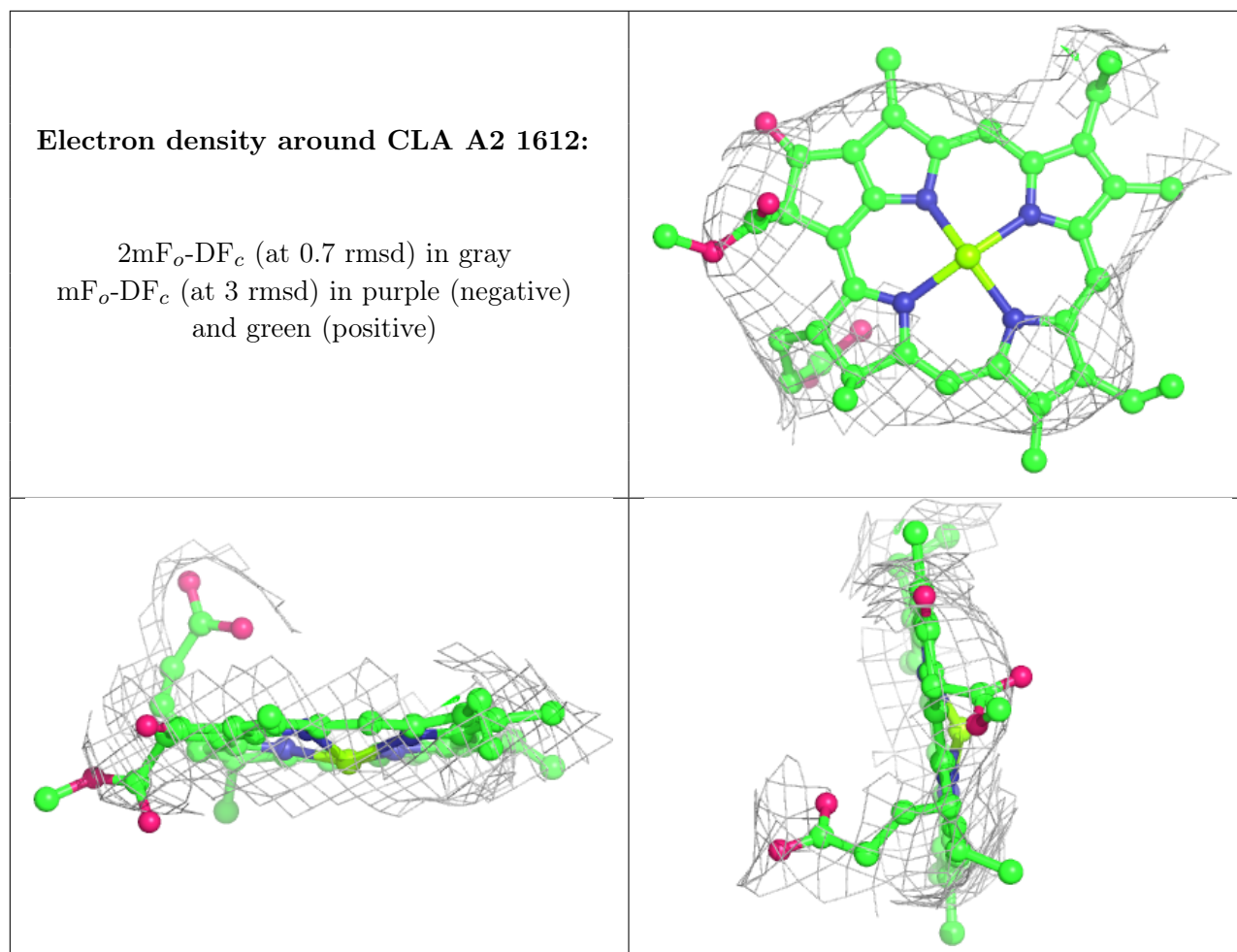




**Electron density around CLA B5 1821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

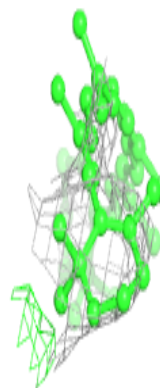
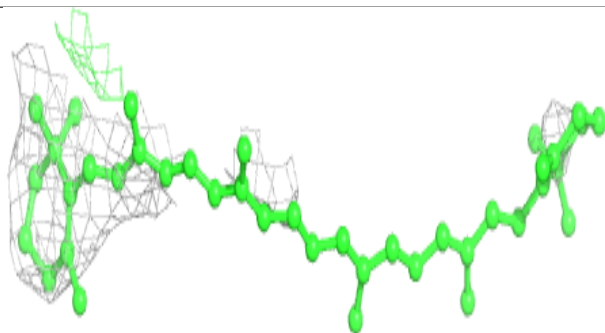
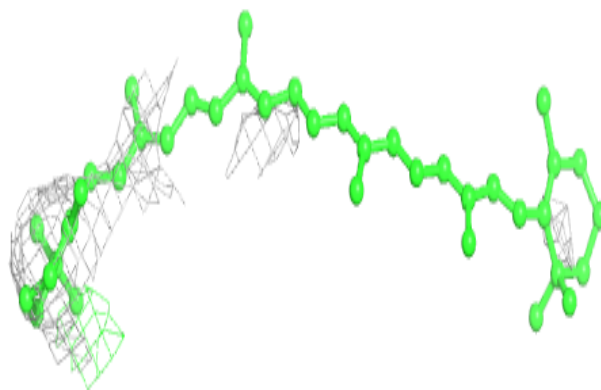




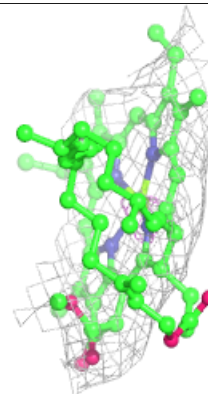
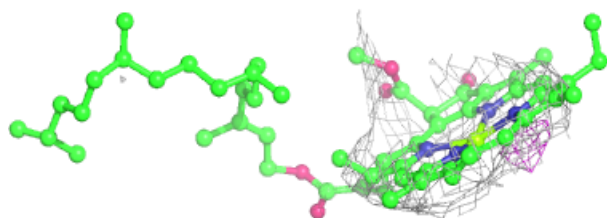
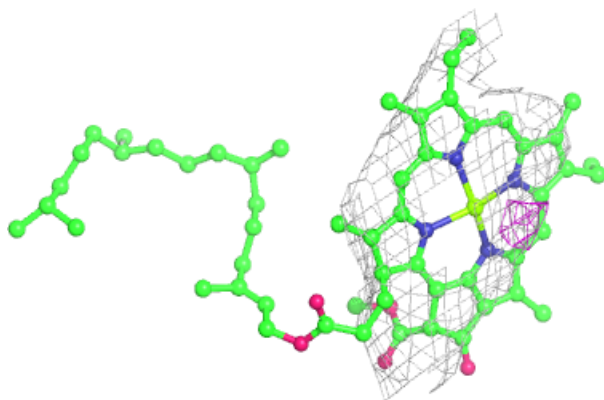


**Electron density around BCR F6 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

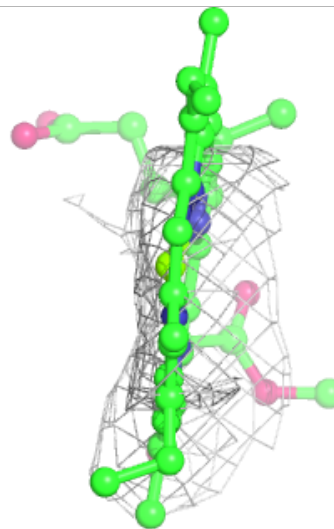
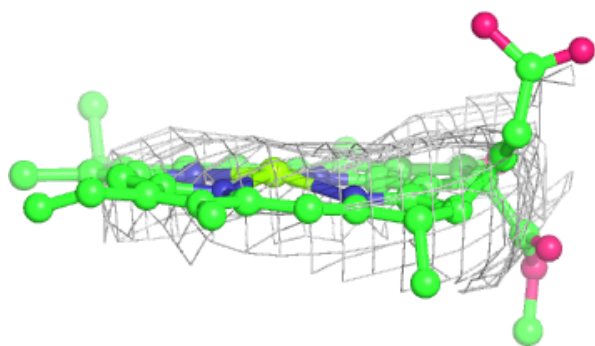
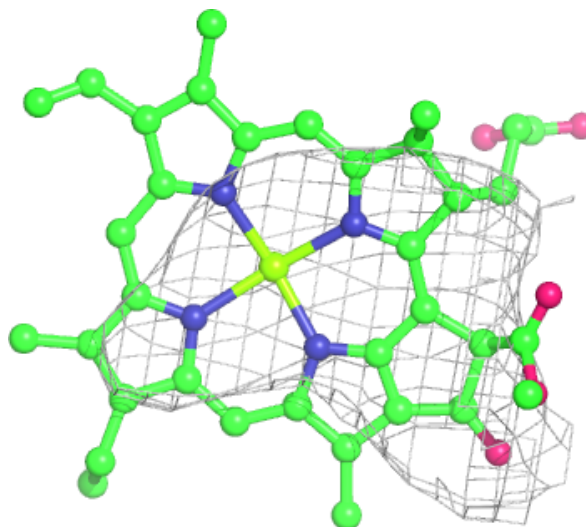
**Electron density around CLA A1 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



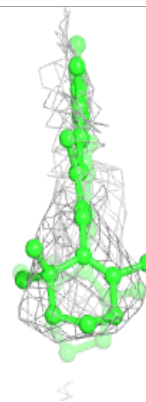
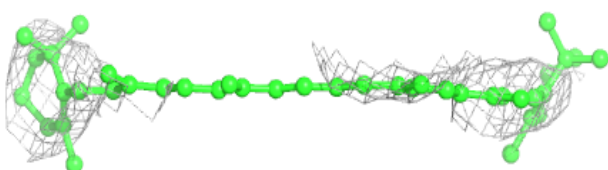
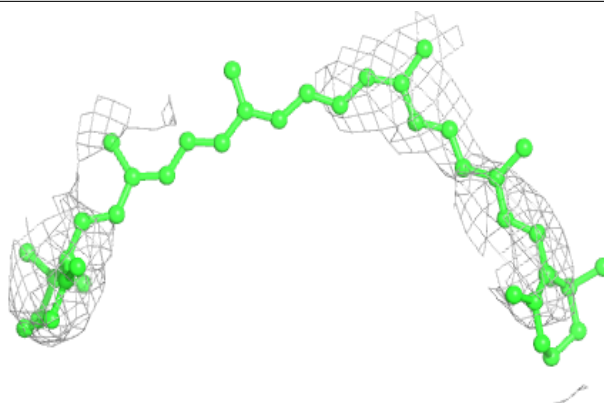
**Electron density around CLA J4 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

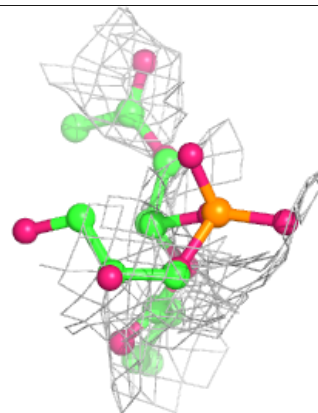
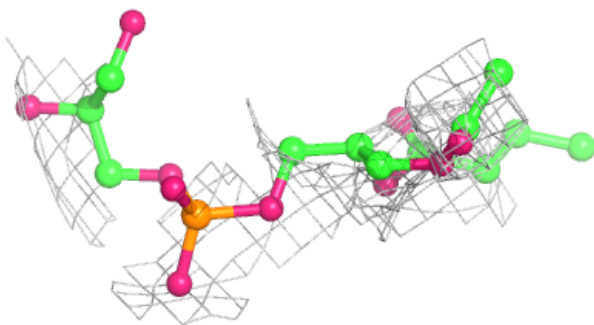
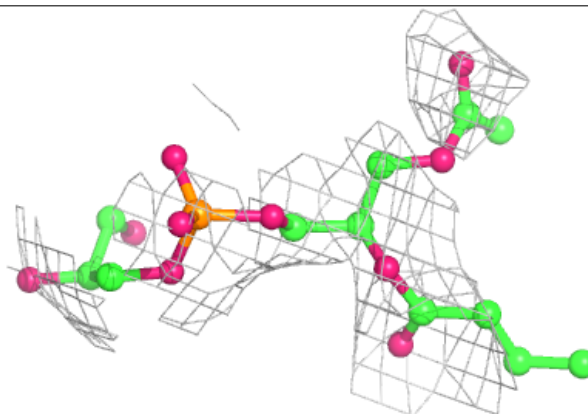


**Electron density around BCR F2 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

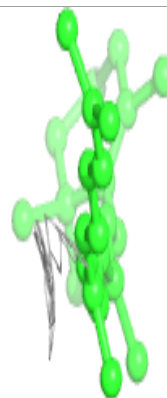
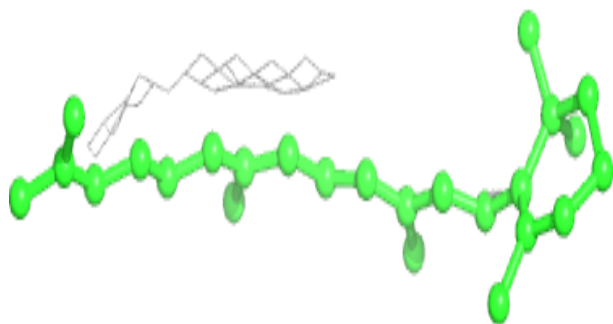
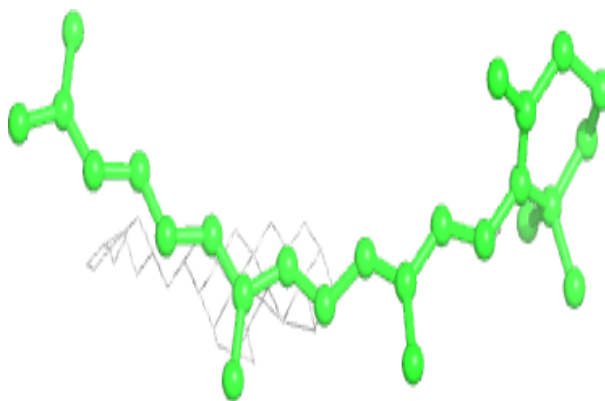
**Electron density around LHG X5 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

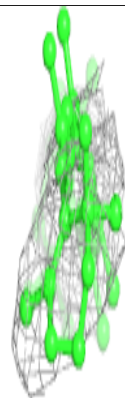
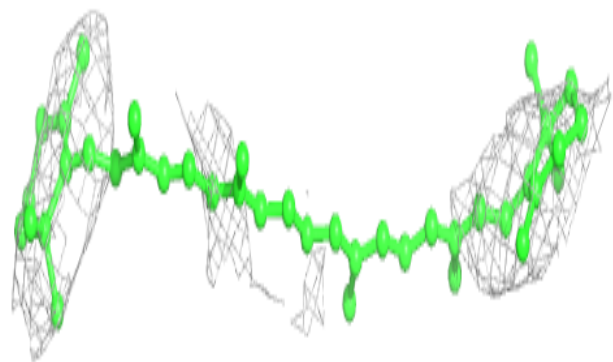
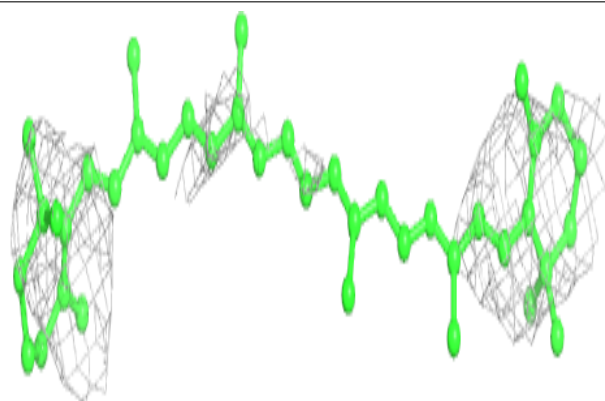


**Electron density around BCR B1 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

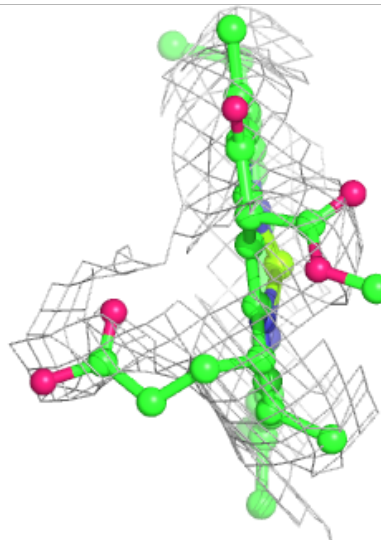
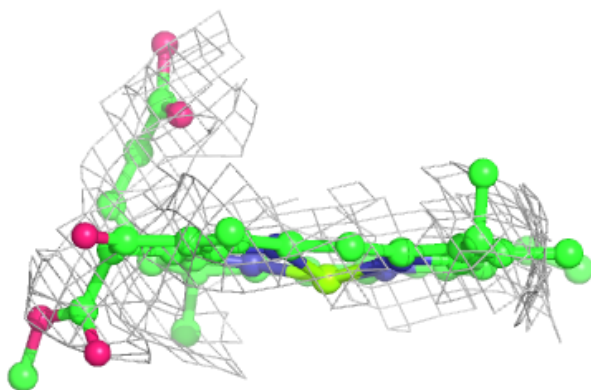
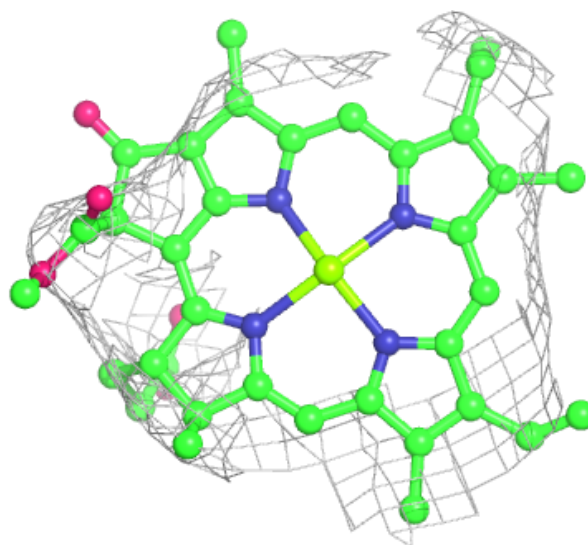
**Electron density around BCR A3 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



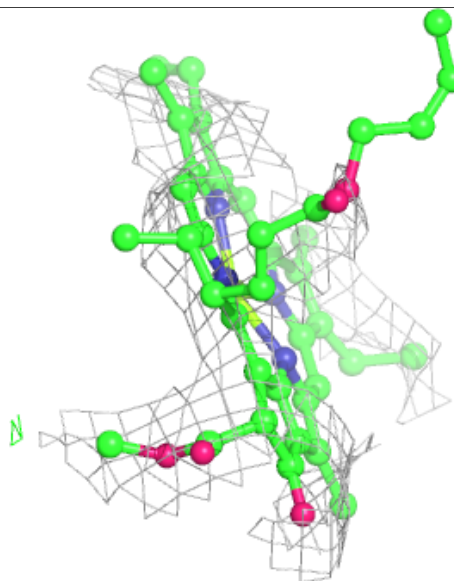
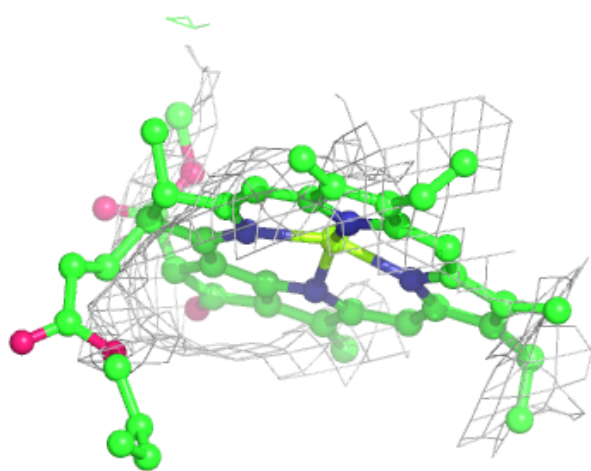
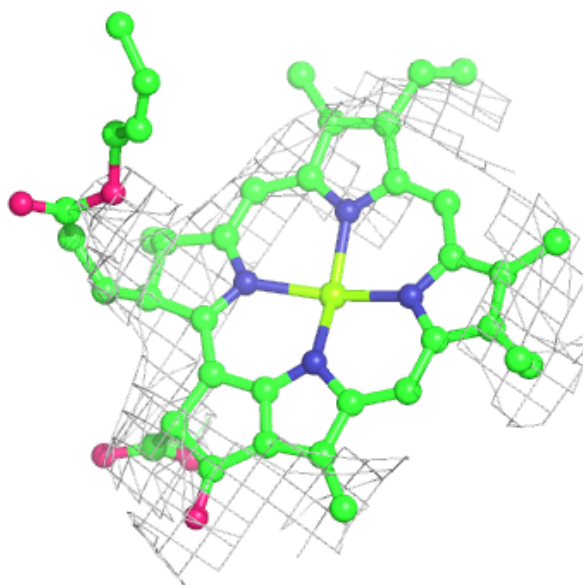
**Electron density around CLA A4 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A1 821:**

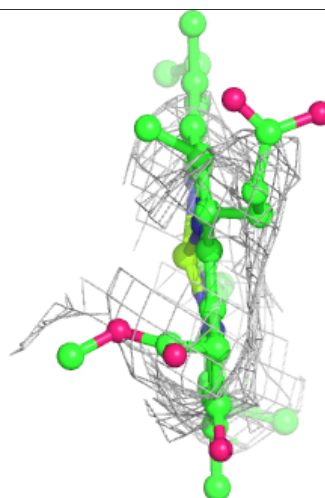
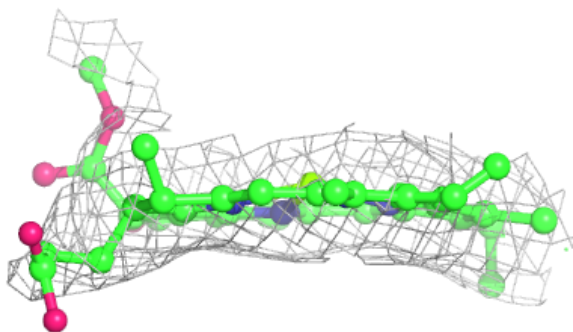
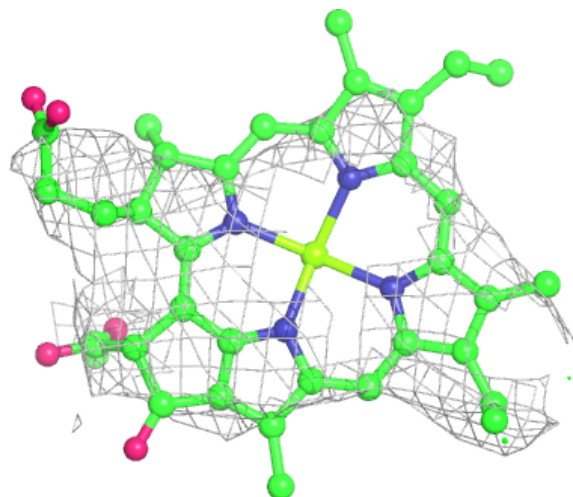
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

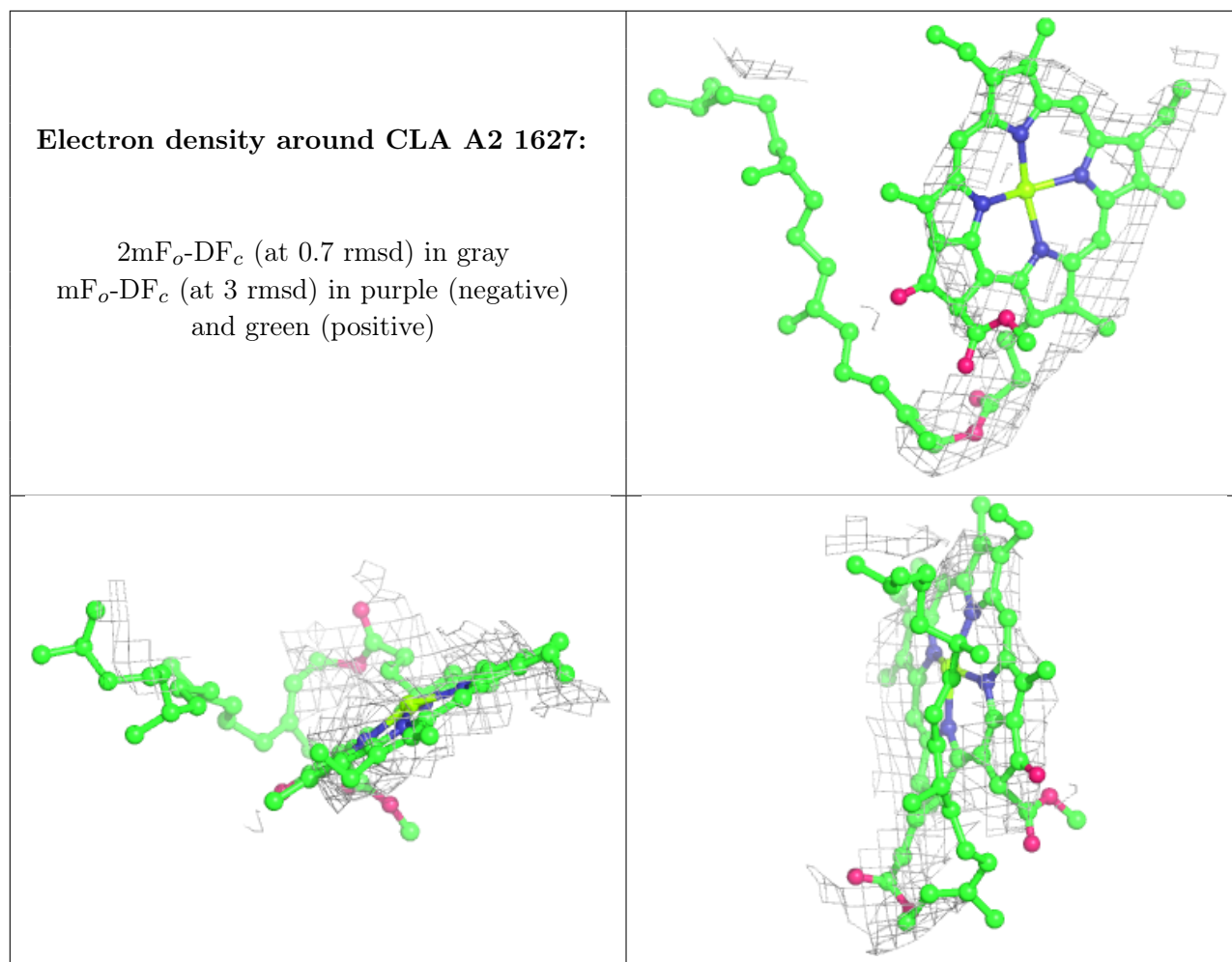




**Electron density around CLA X3 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

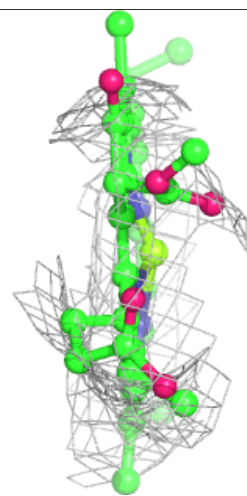
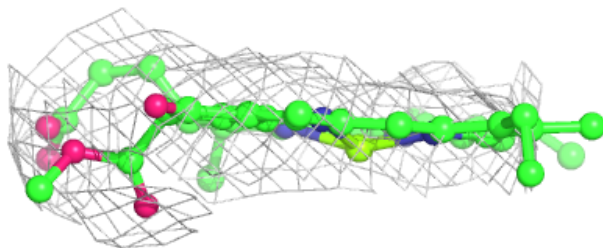
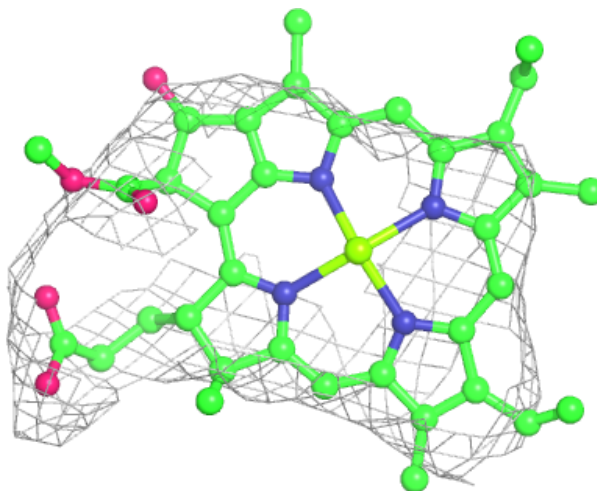






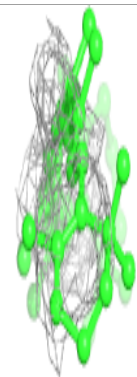
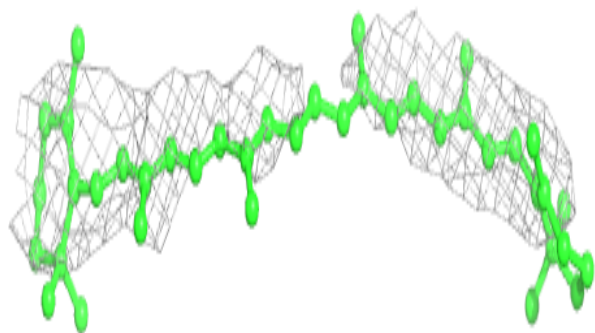
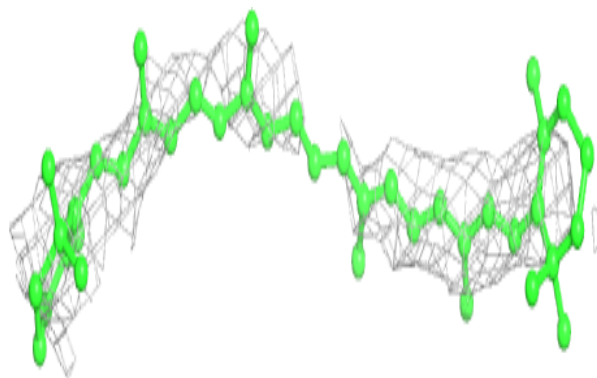
**Electron density around CLA F6 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

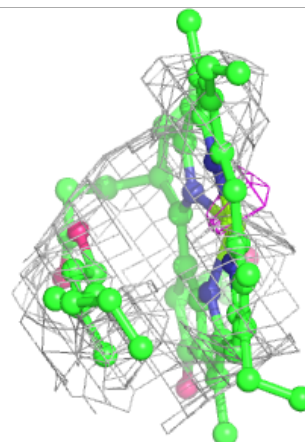
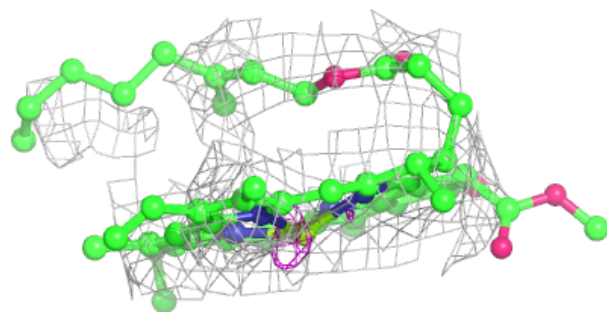
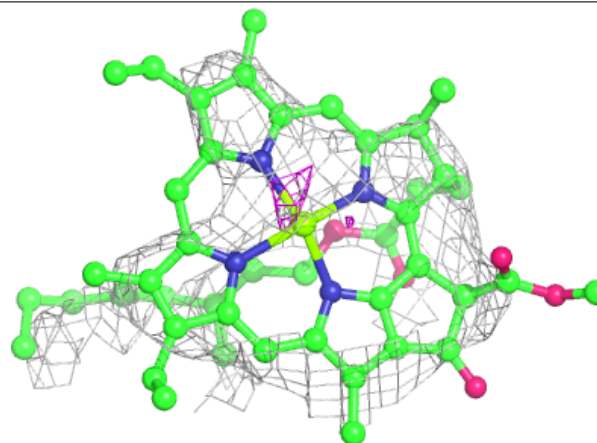


**Electron density around BCR I5 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

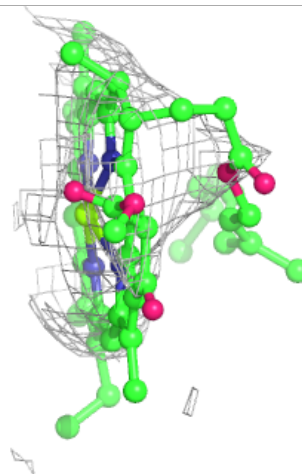
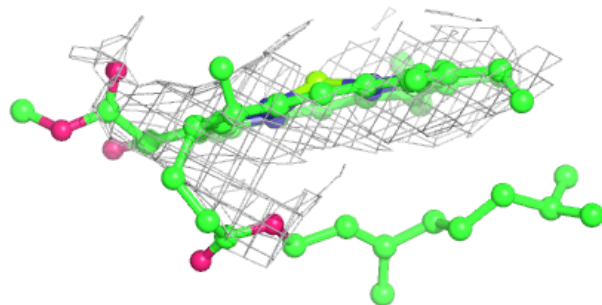
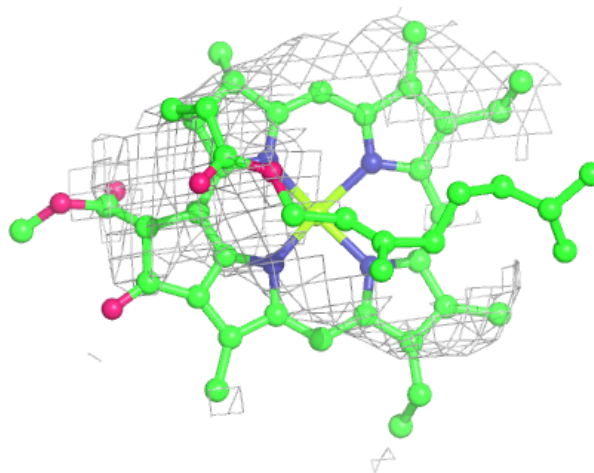
**Electron density around CLA A1 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



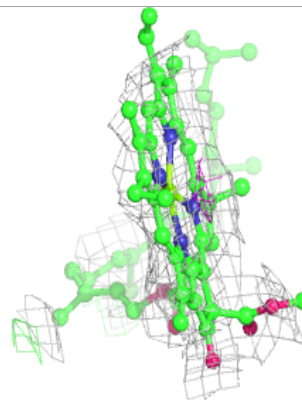
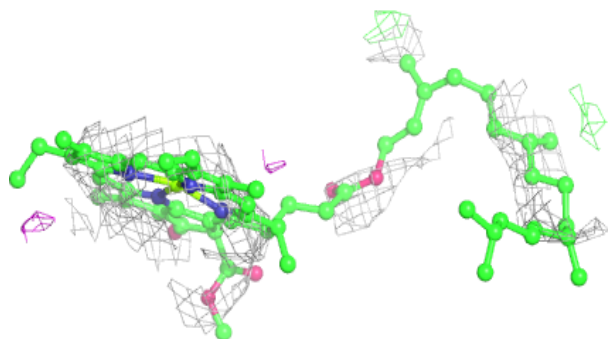
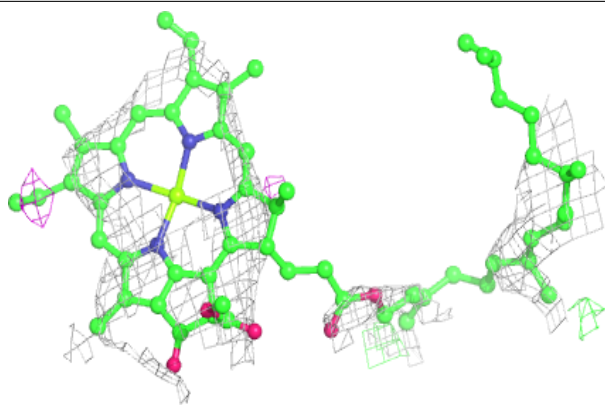
**Electron density around CLA B2 821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

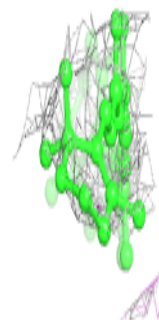
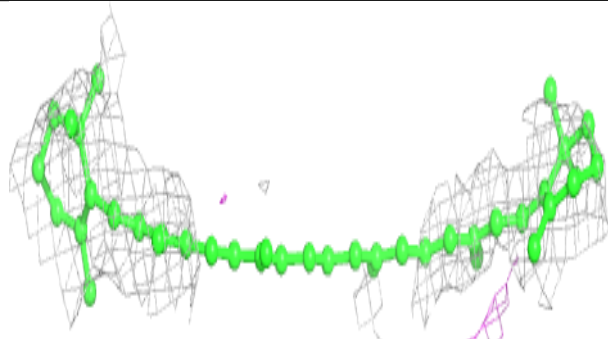
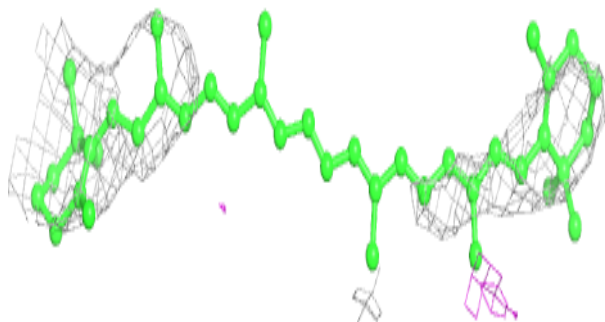


**Electron density around CLA A1 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

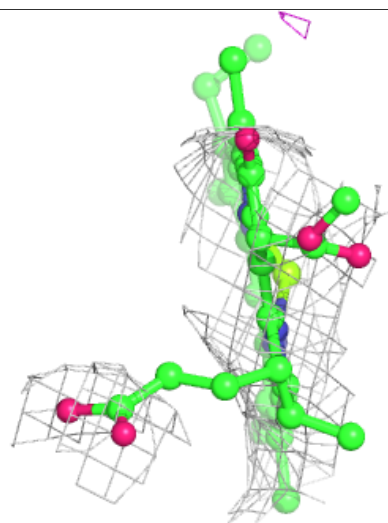
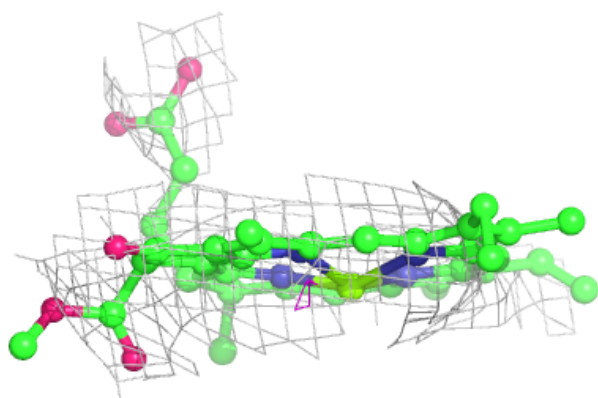
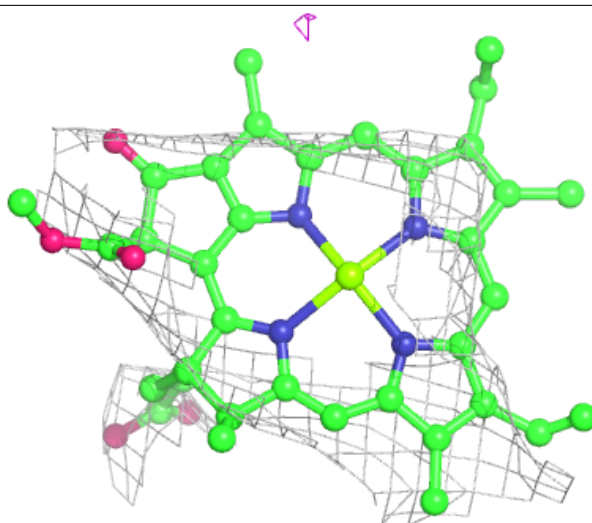
**Electron density around BCR A3 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



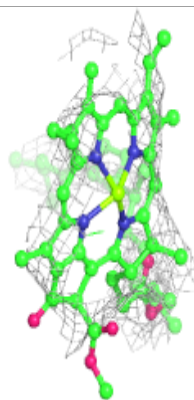
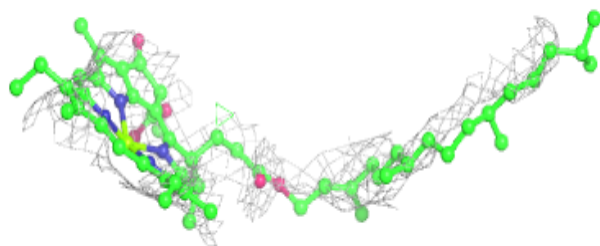
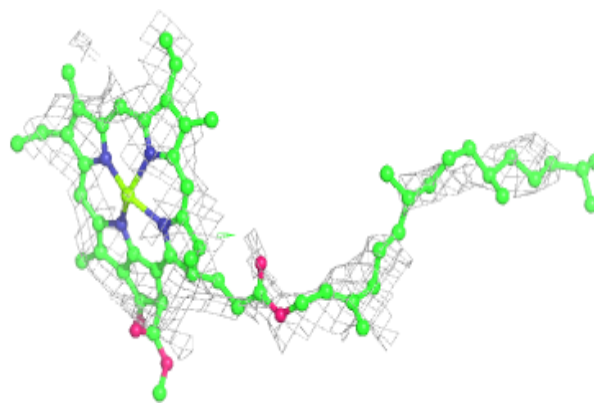
**Electron density around CLA B5 1813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

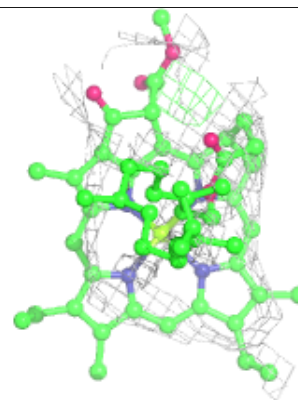
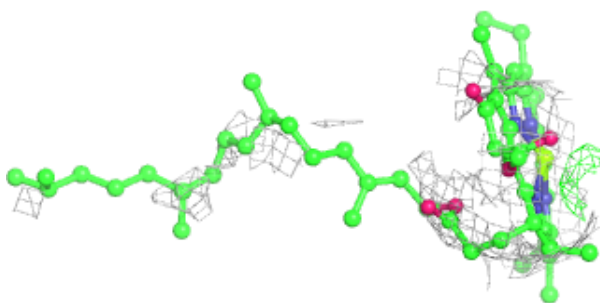
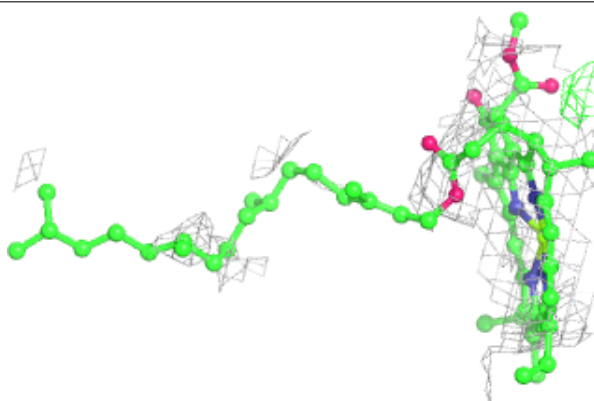


**Electron density around CLA B1 801:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A1 827:**

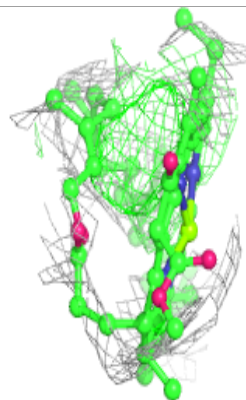
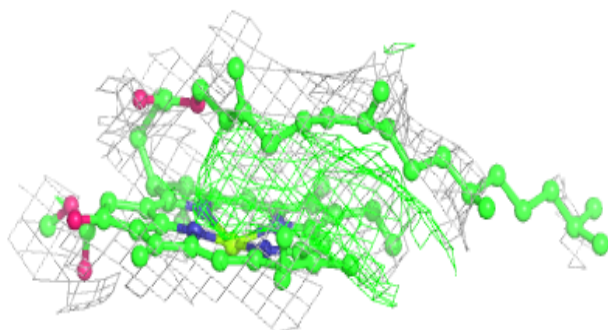
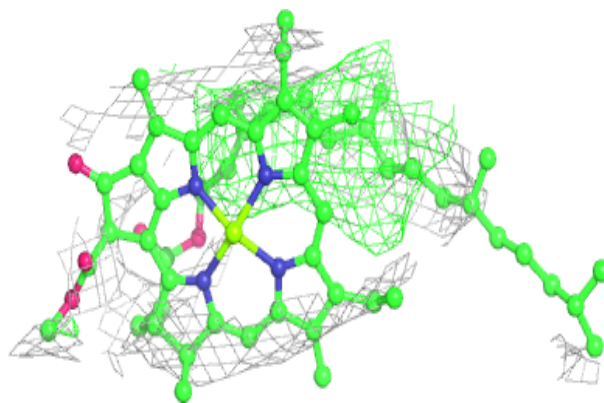
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



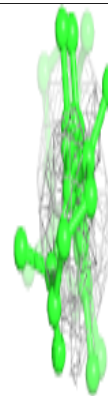
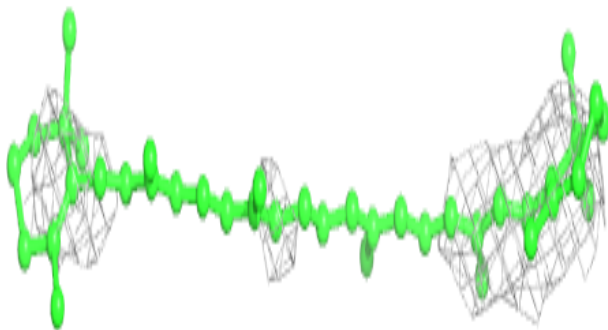
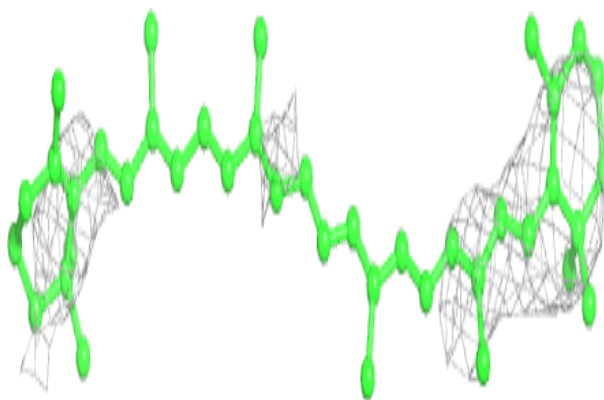


**Electron density around CLA B1 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

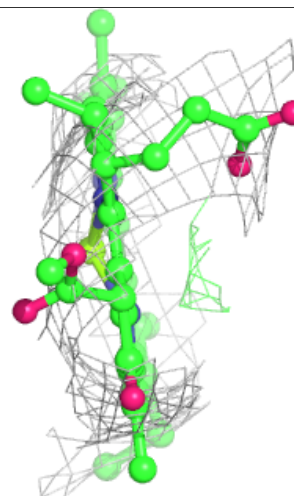
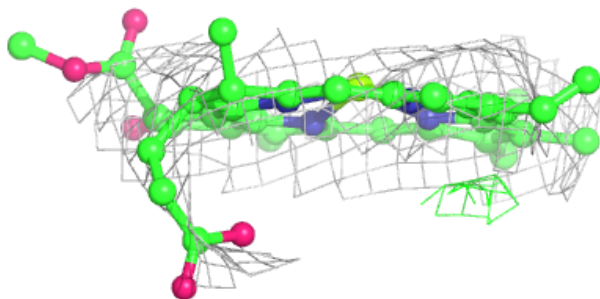
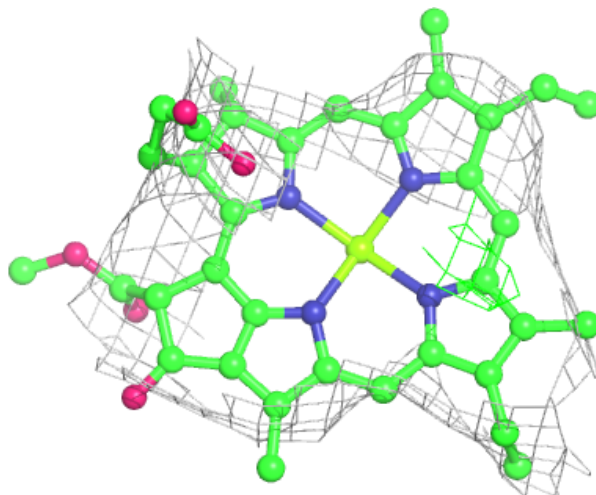
**Electron density around BCR J6 1104:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

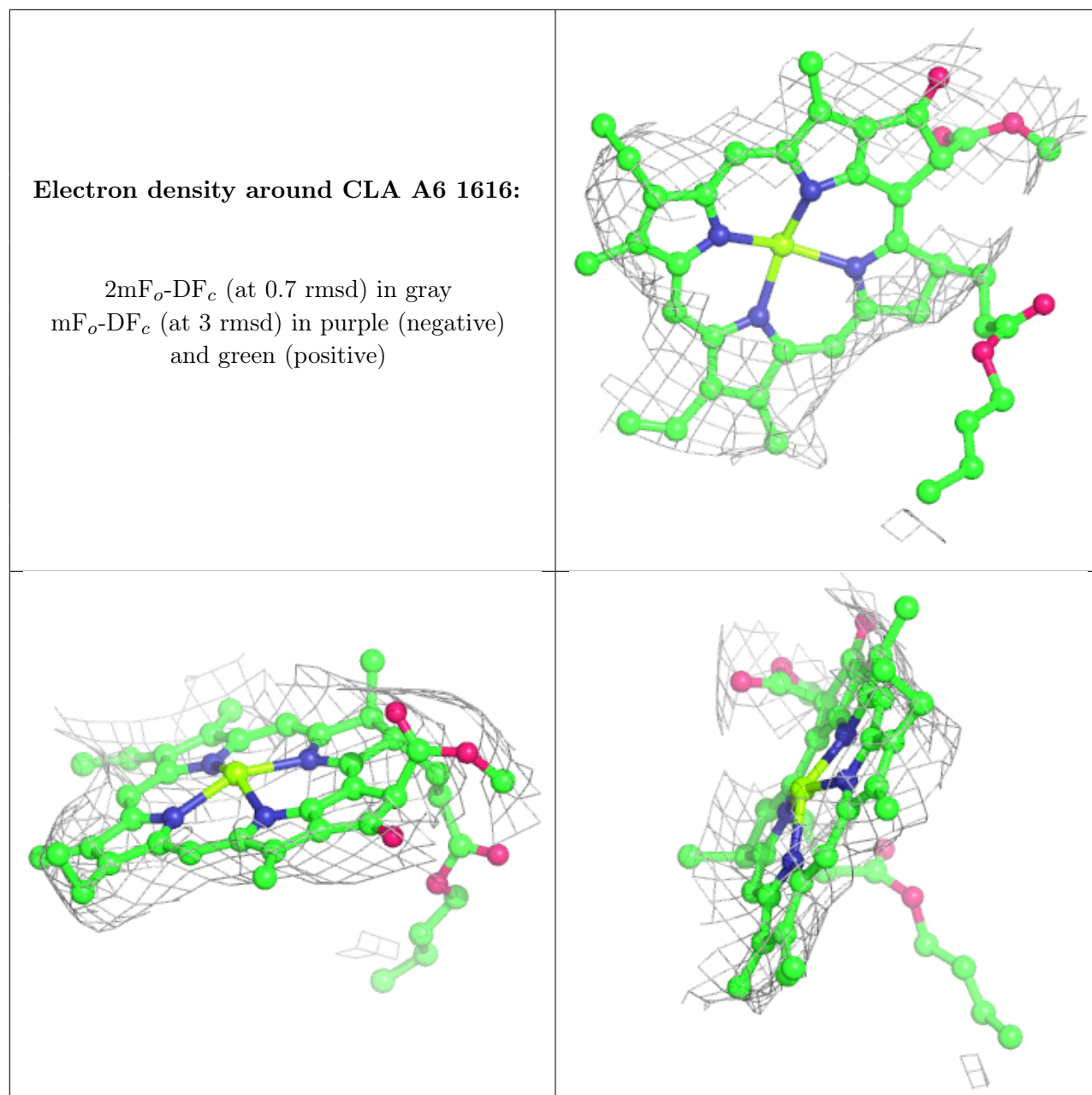


**Electron density around CLA A6 1610:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

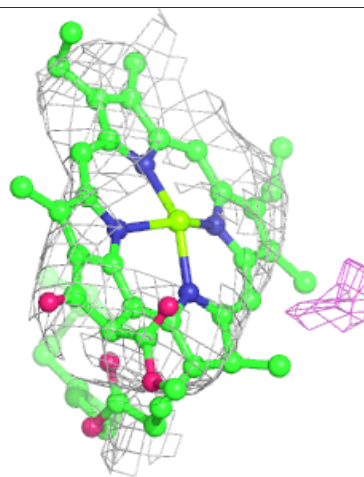
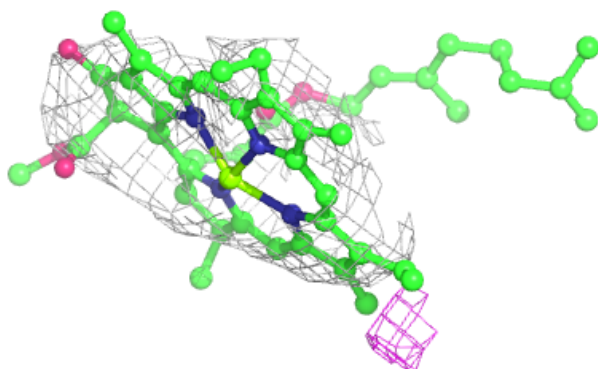
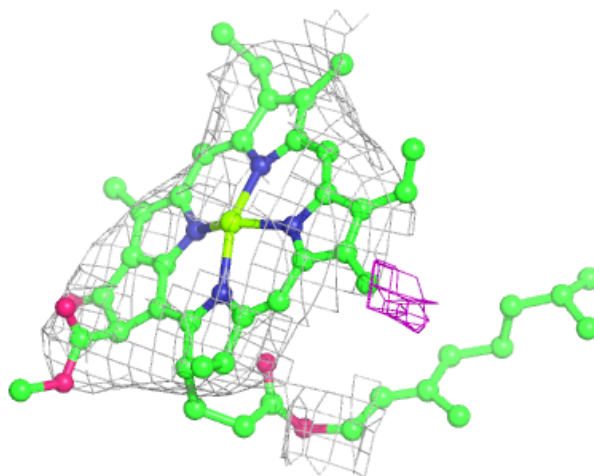






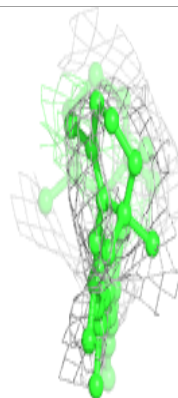
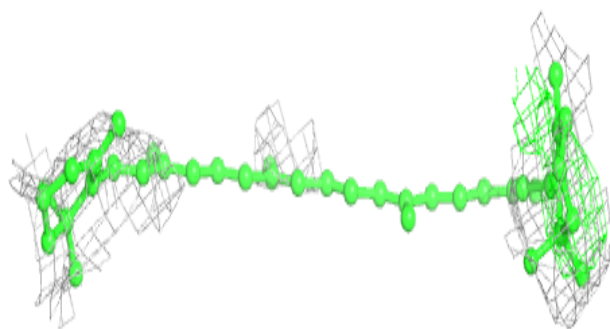
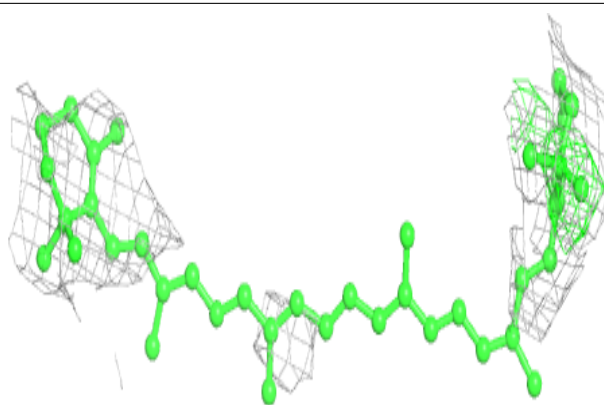
**Electron density around CLA B6 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

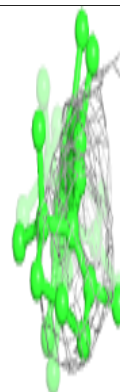
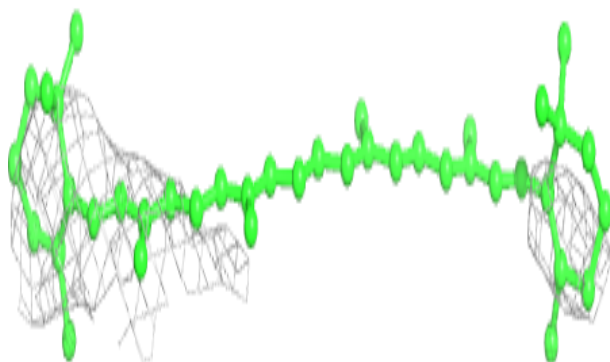
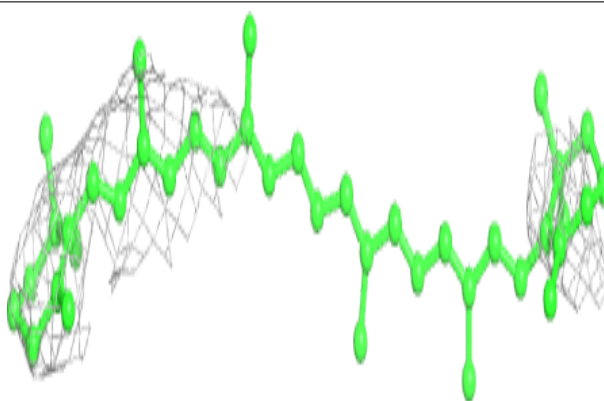


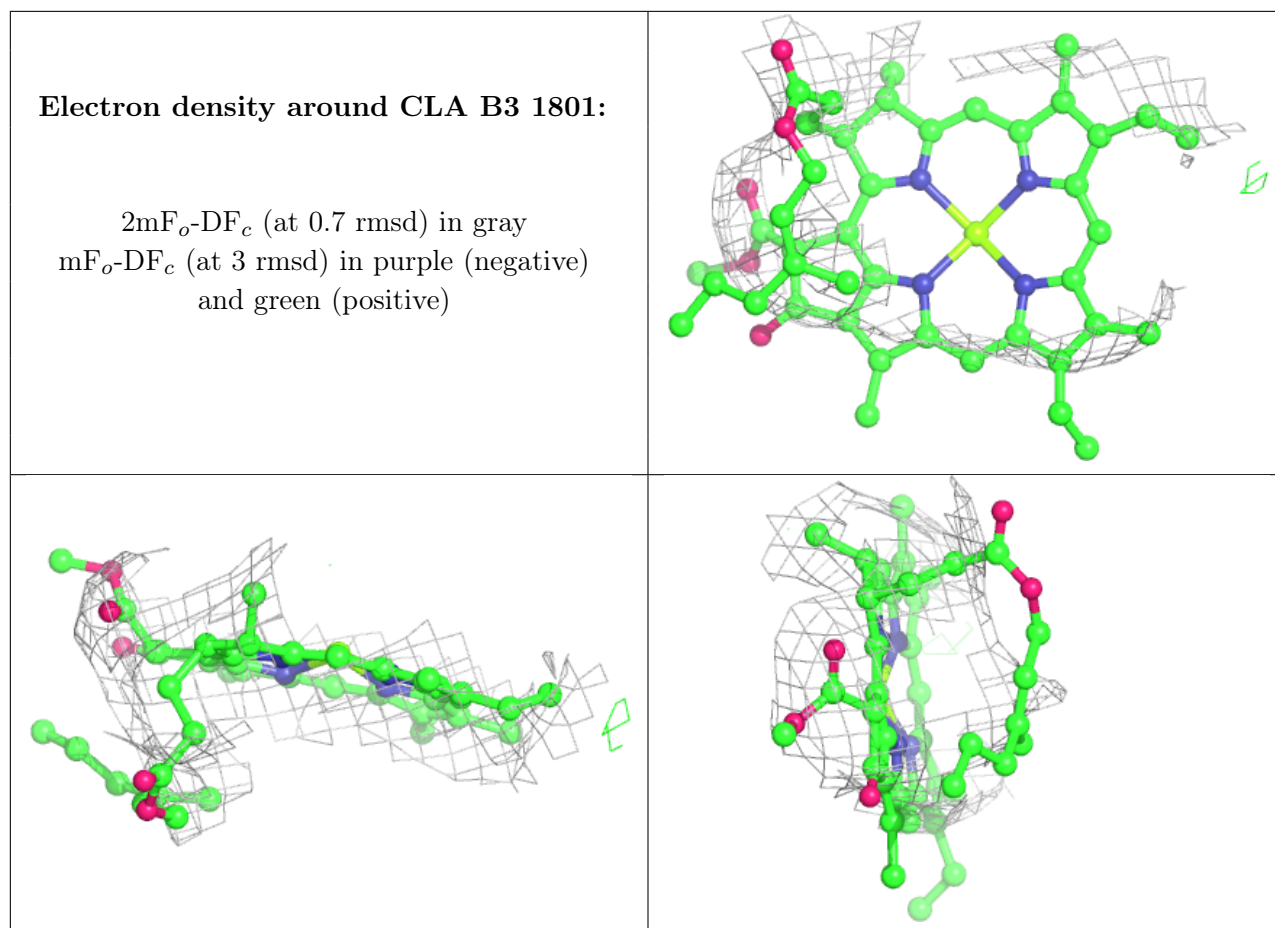
**Electron density around BCR I4 102:**

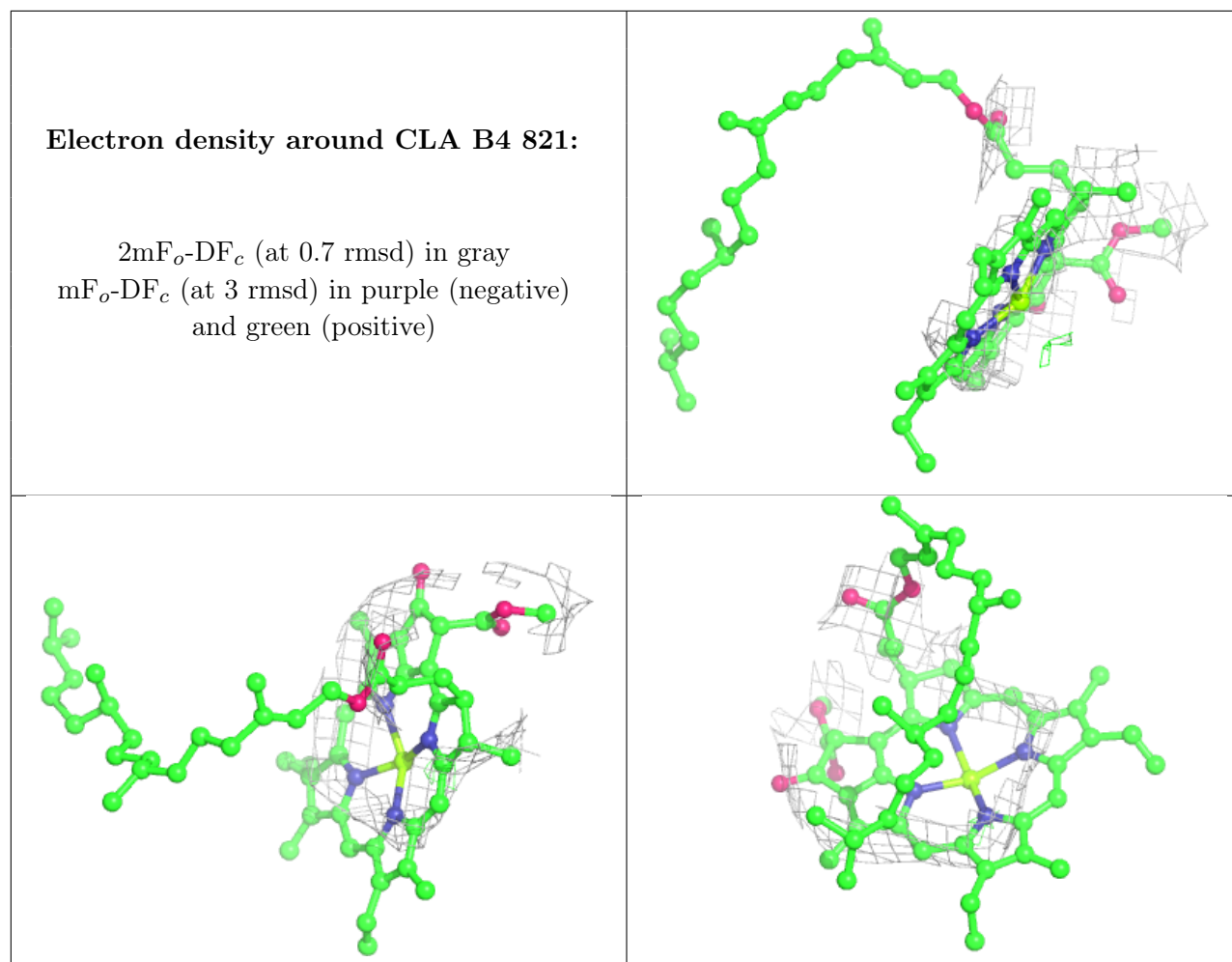
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

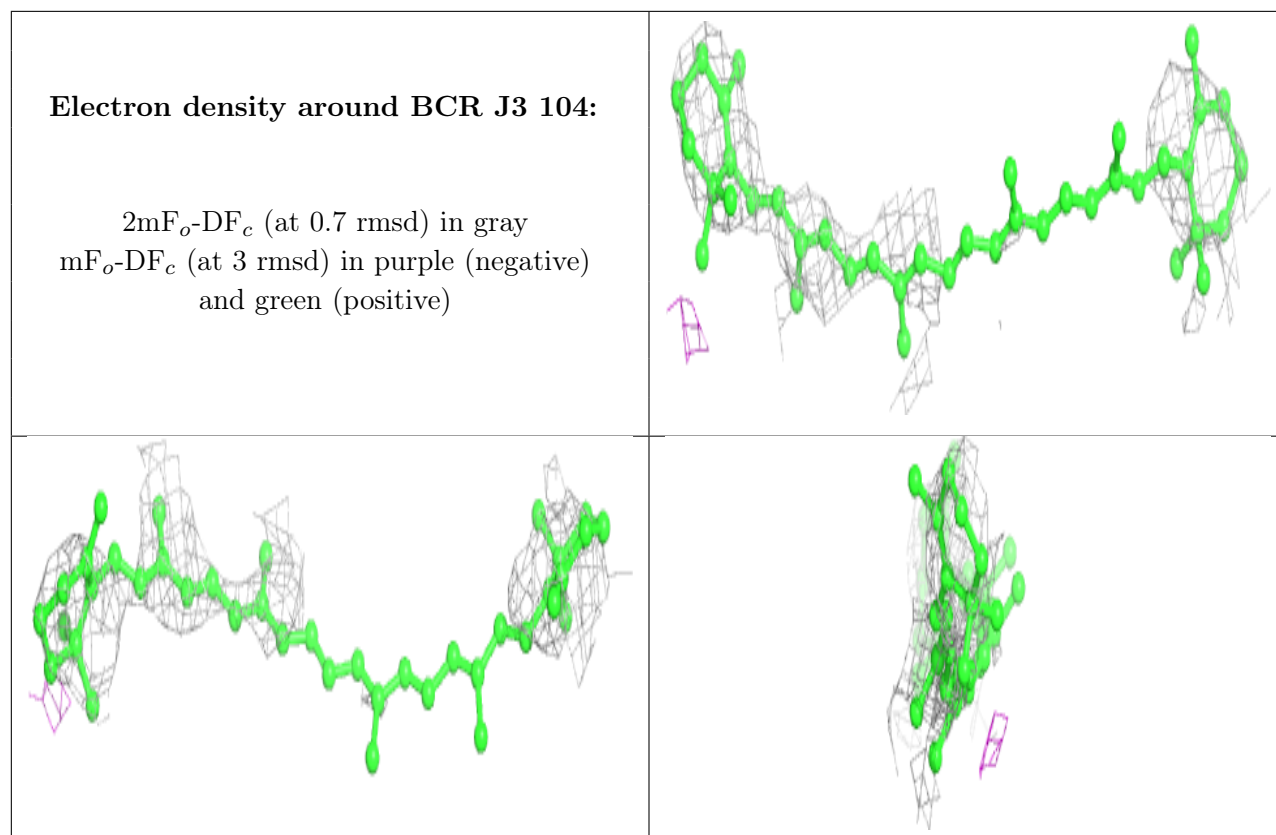
**Electron density around BCR A5 846:**

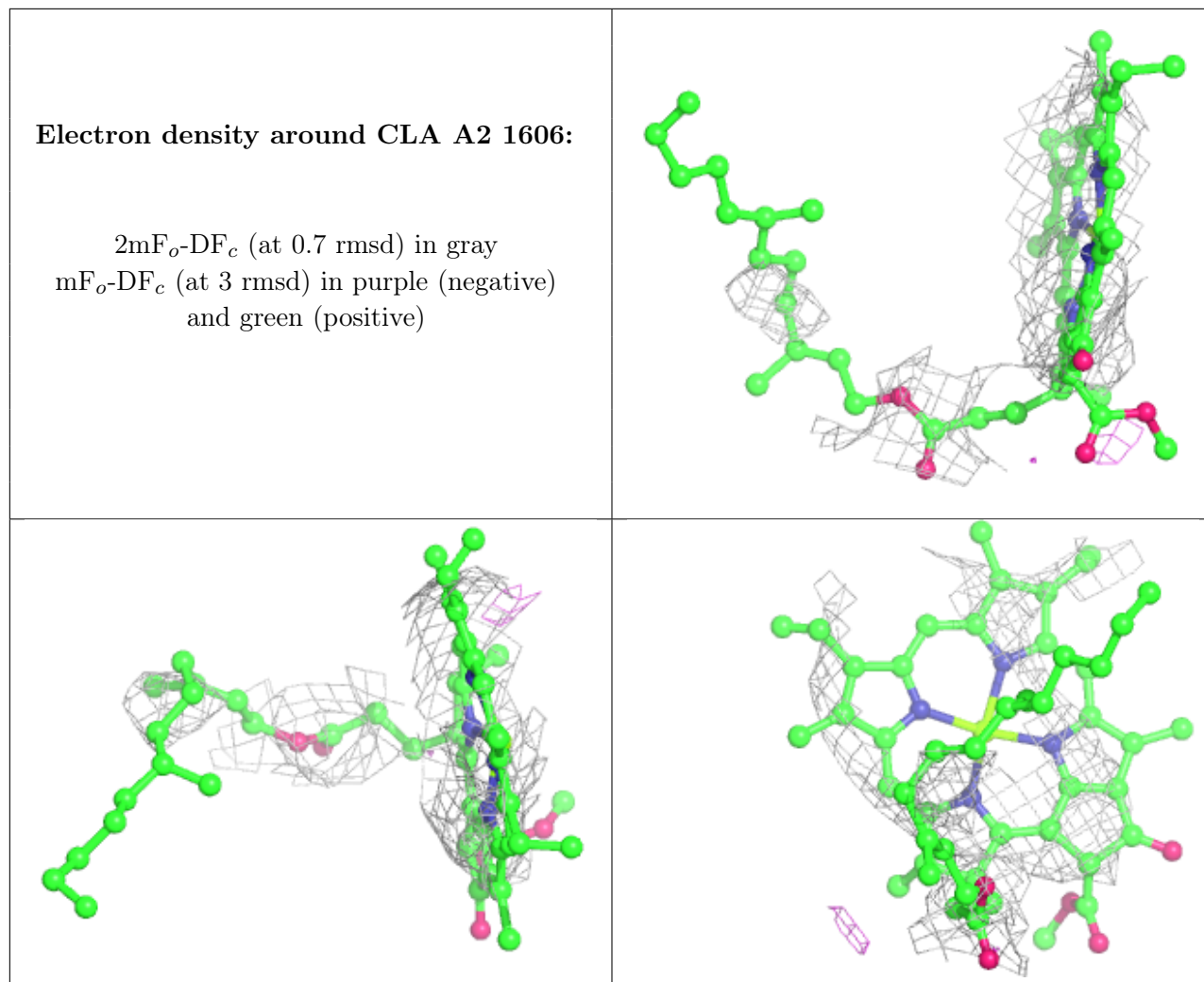
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

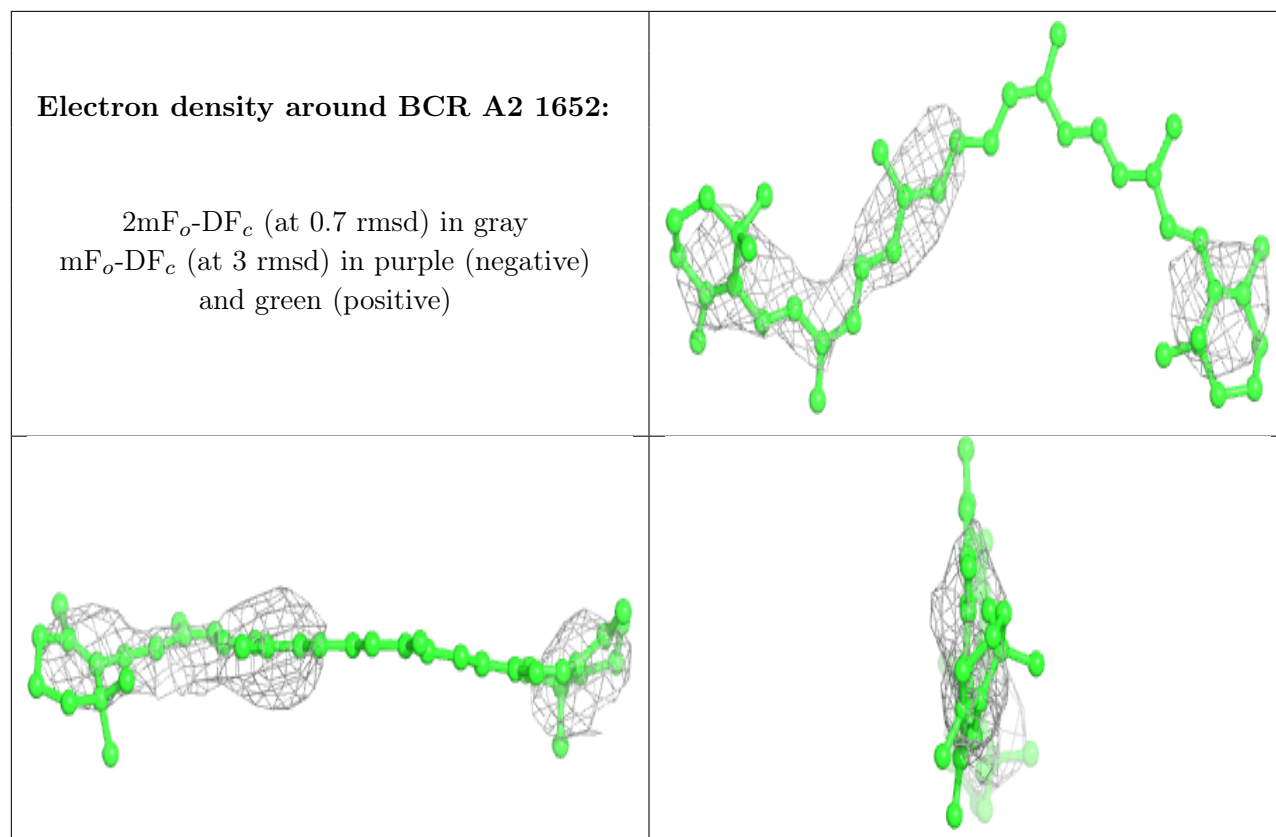








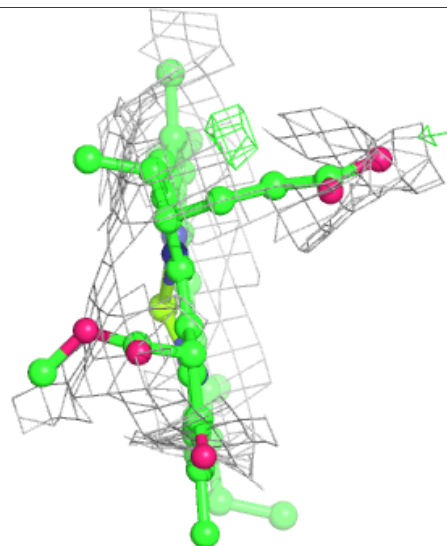
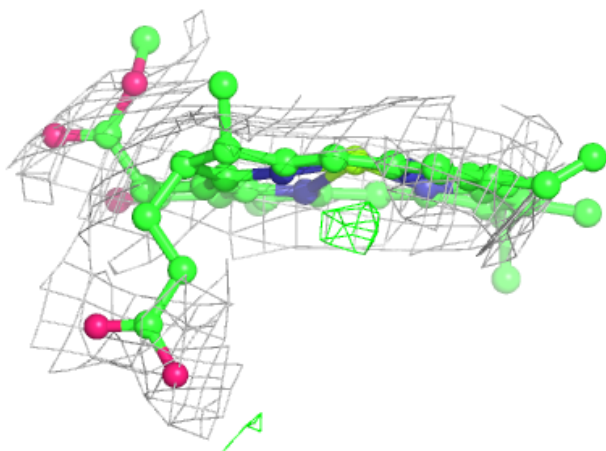
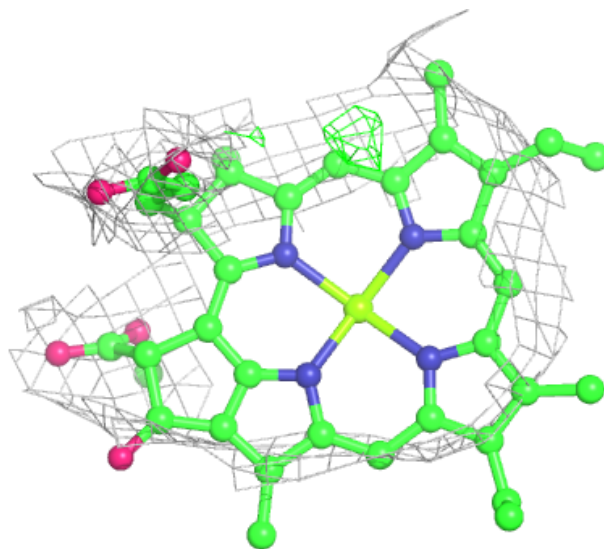






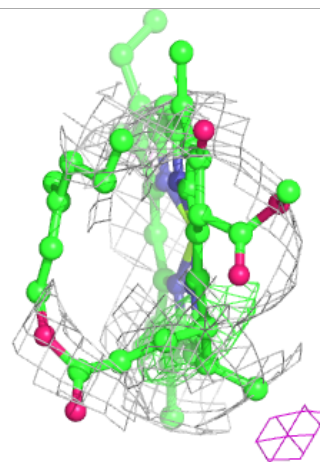
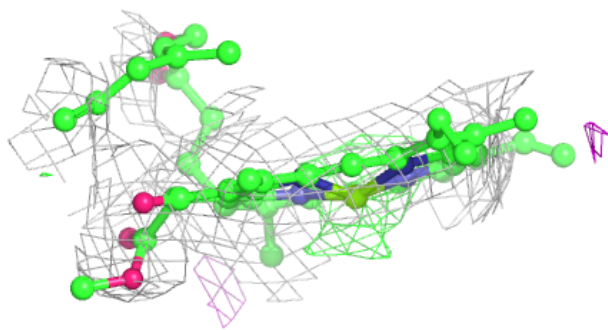
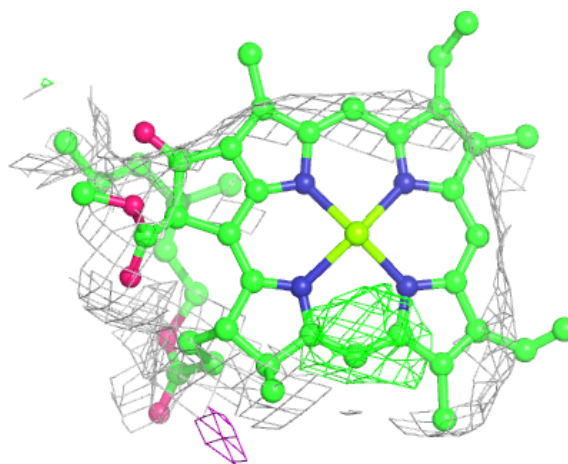
**Electron density around CLA B5 1836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



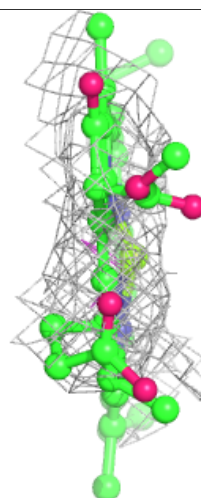
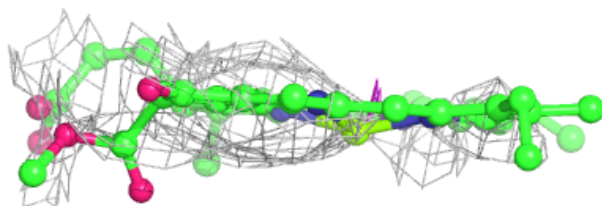
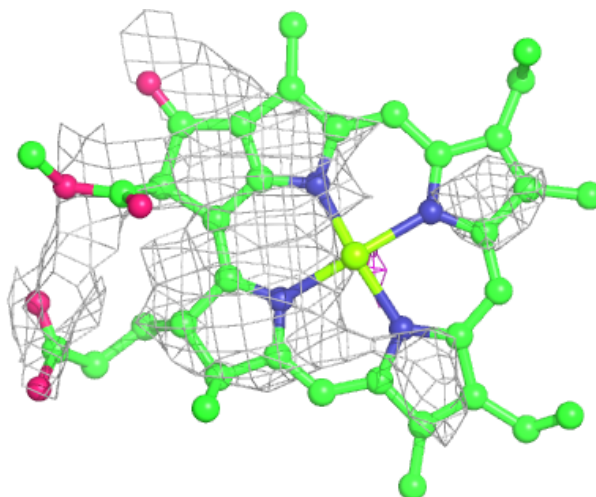
**Electron density around CLA B1 853:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



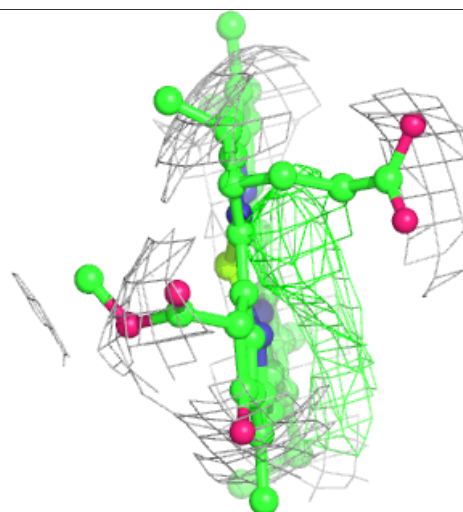
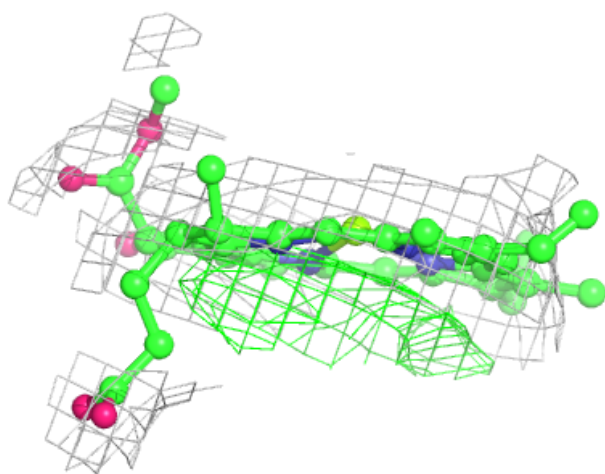
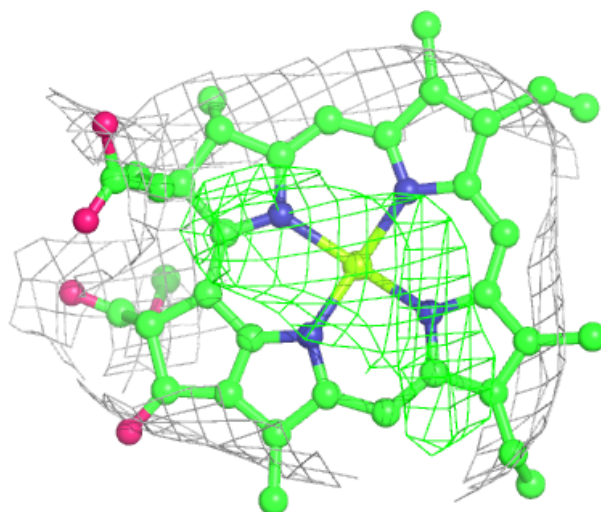
**Electron density around CLA F5 1301:**

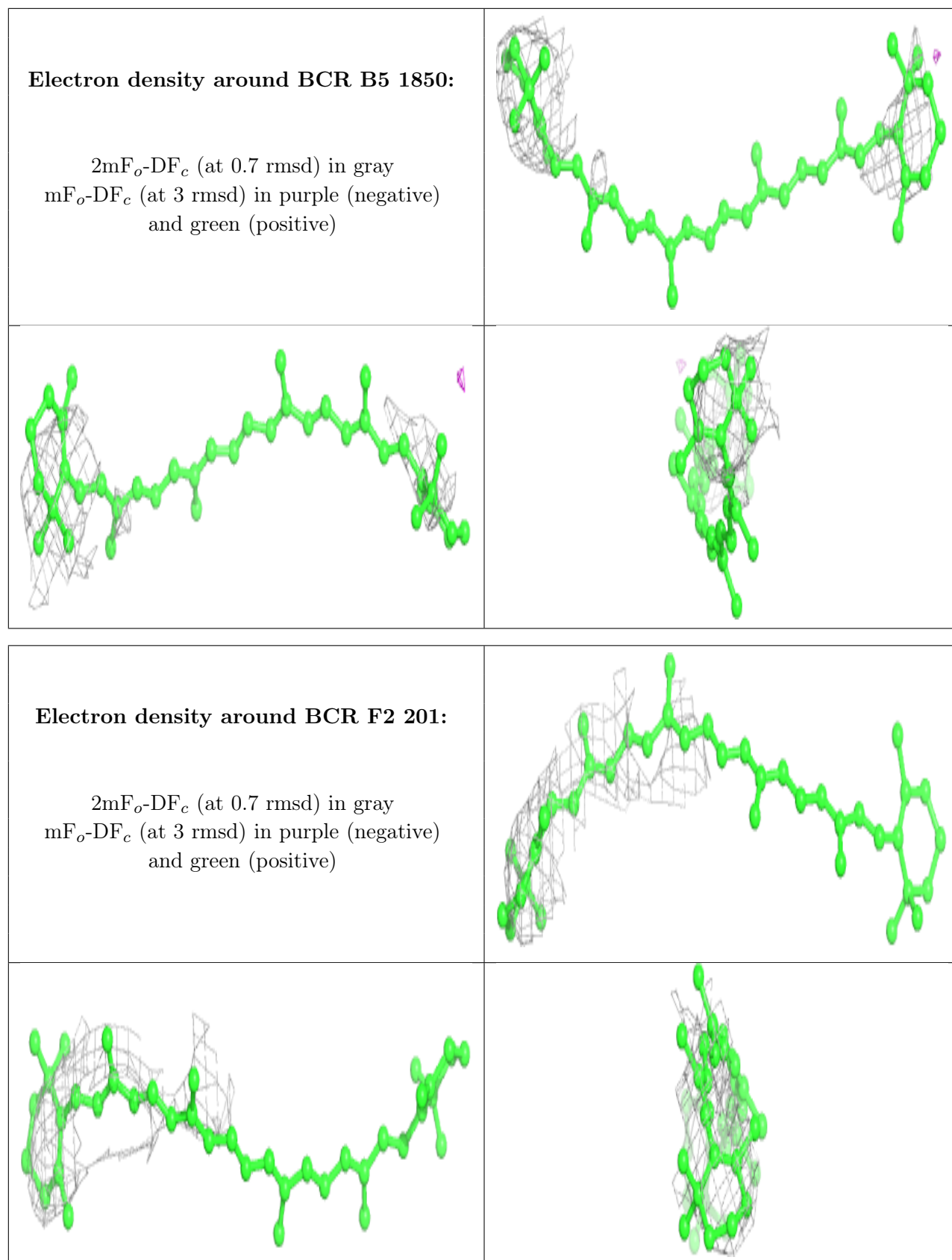
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA K6 1401:**

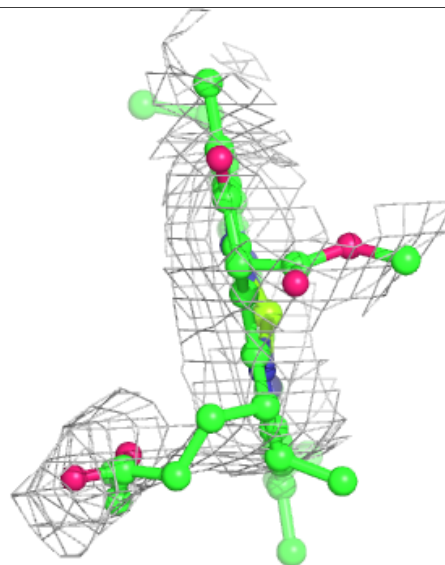
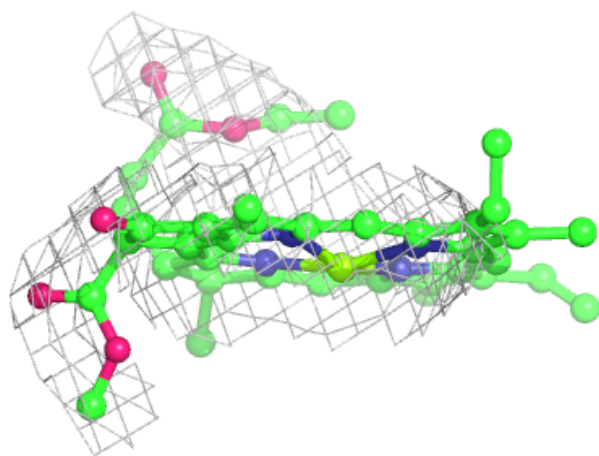
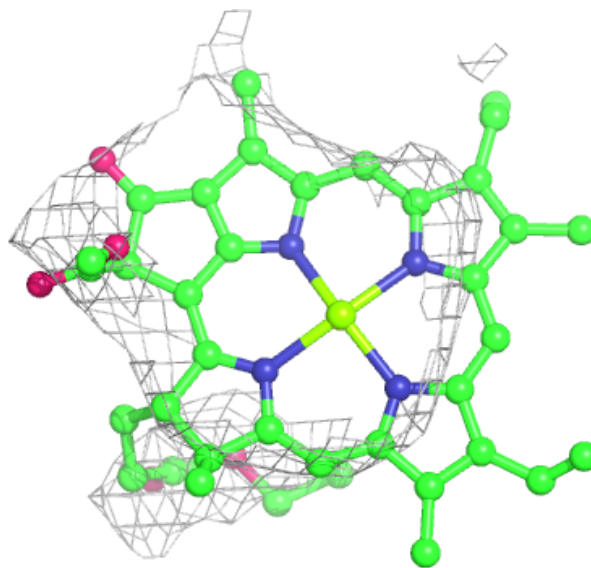
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B4 822:**

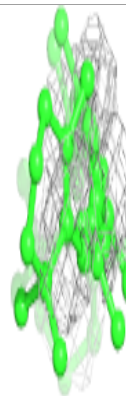
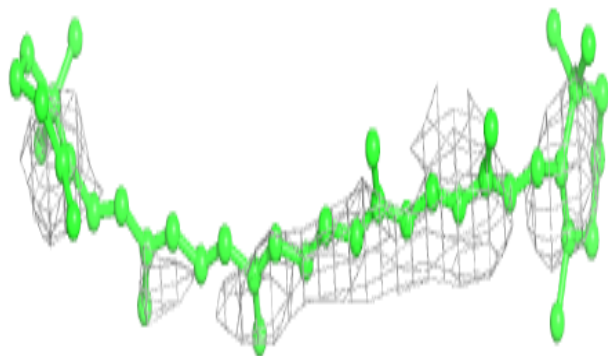
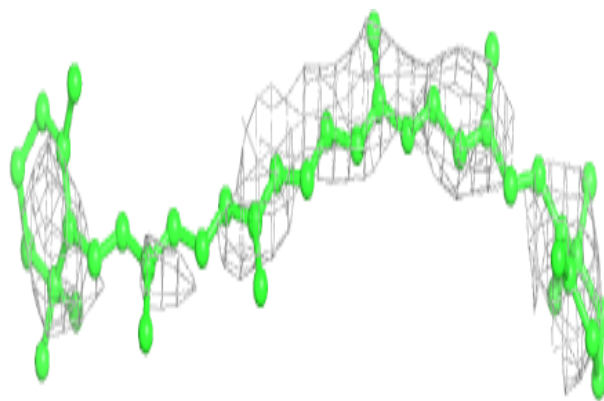
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



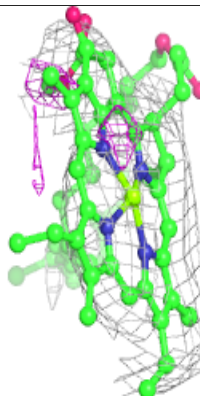
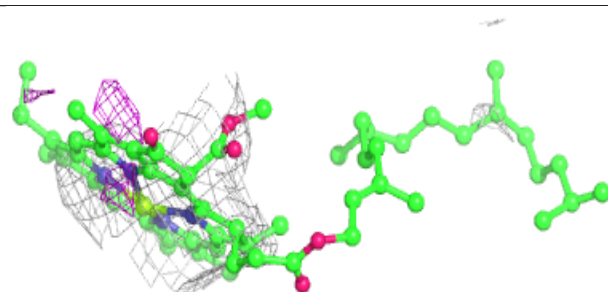
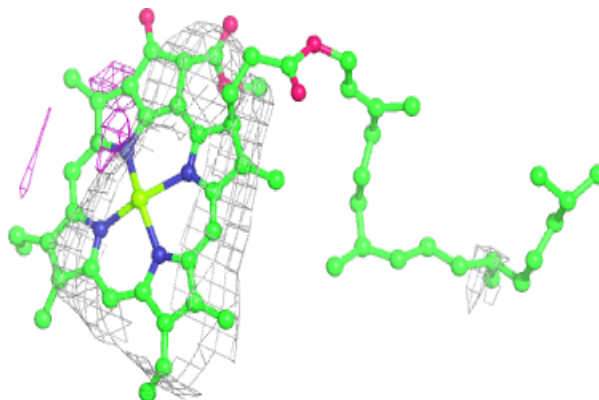


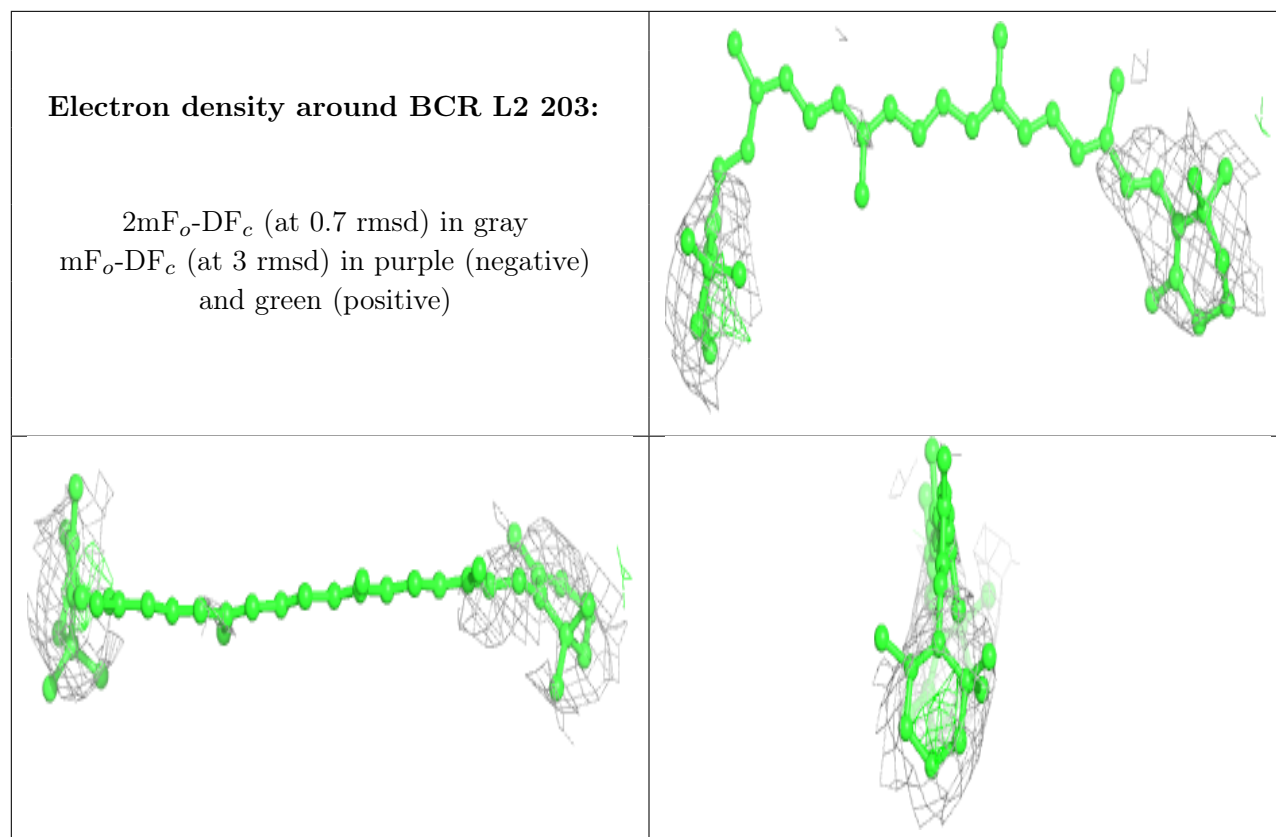
**Electron density around BCR I2 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A2 1605:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

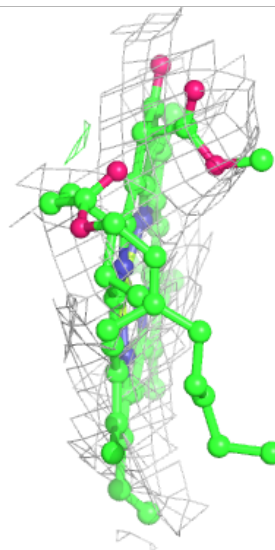
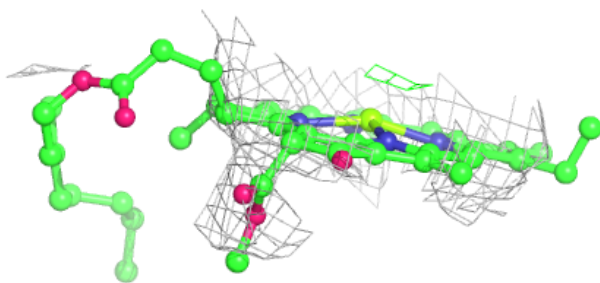
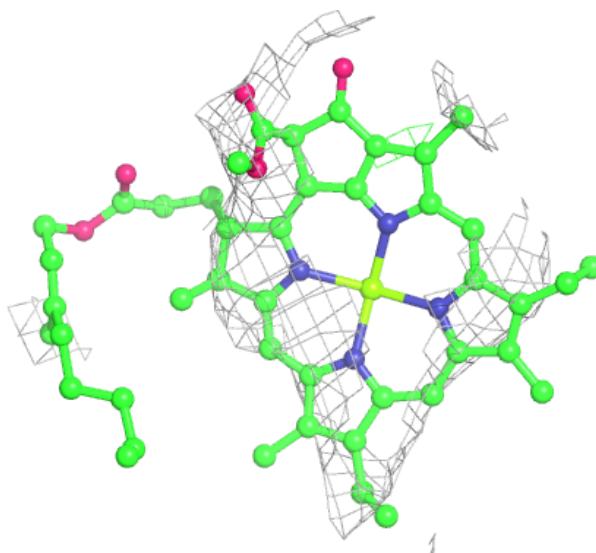






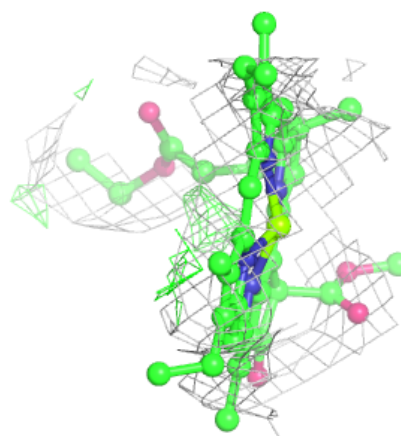
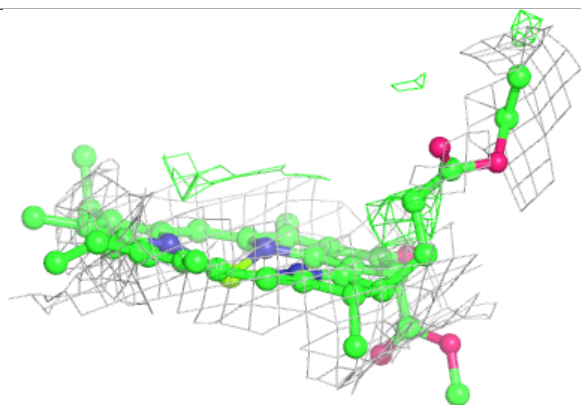
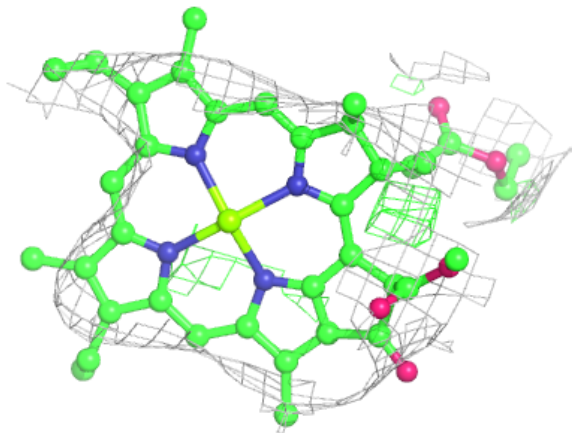
**Electron density around CLA B5 1826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



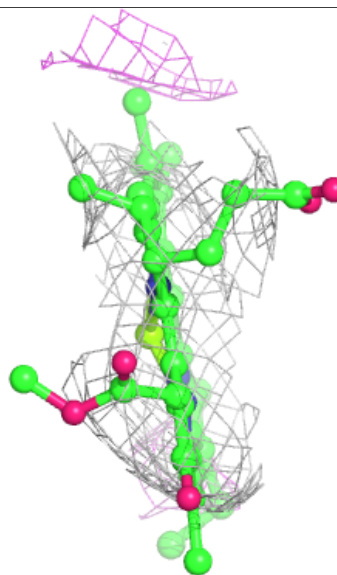
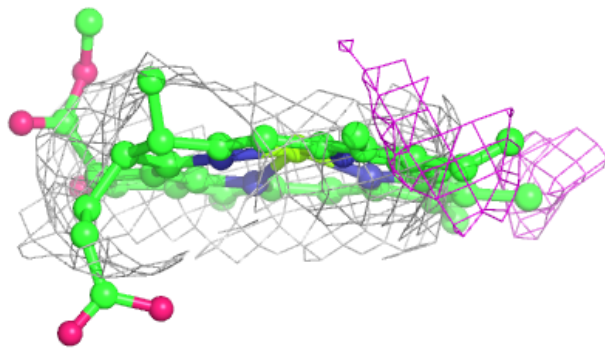
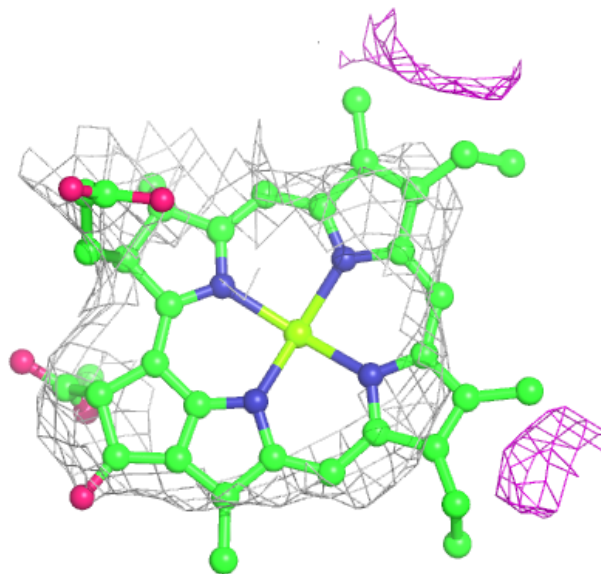
**Electron density around CLA A1 836:**

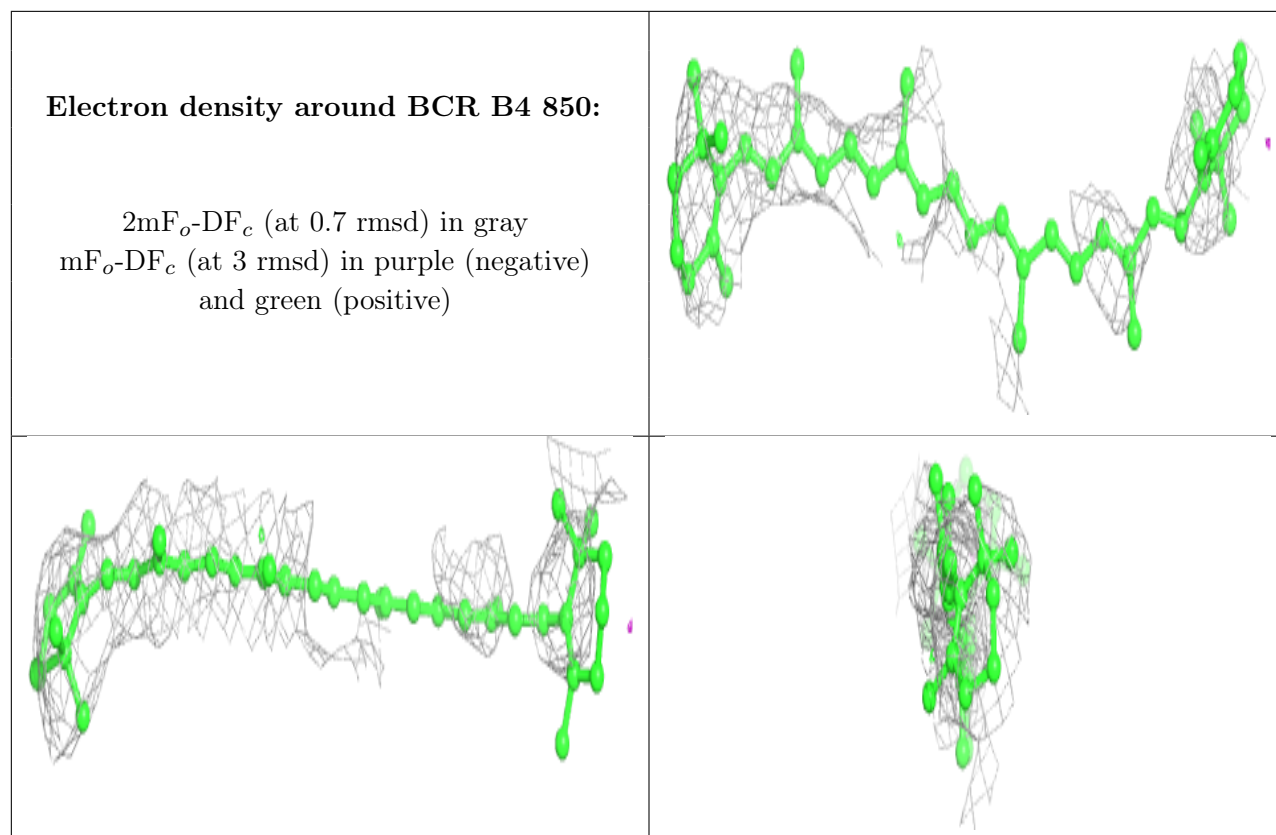
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B5 1832:**

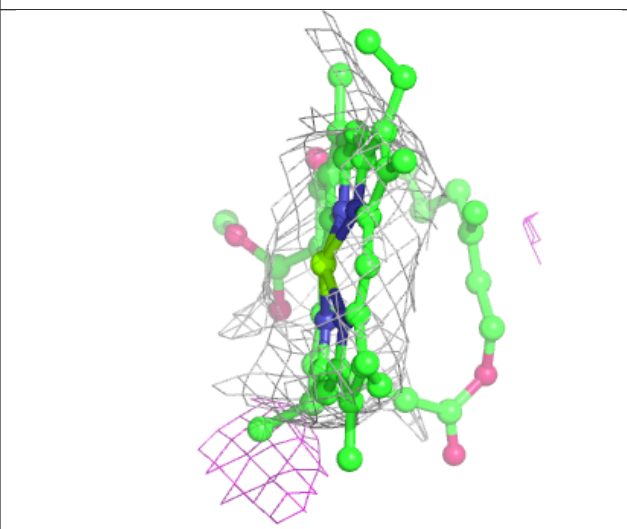
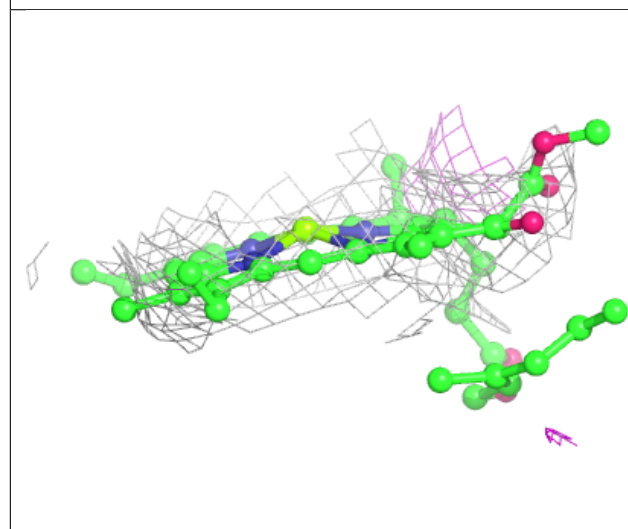
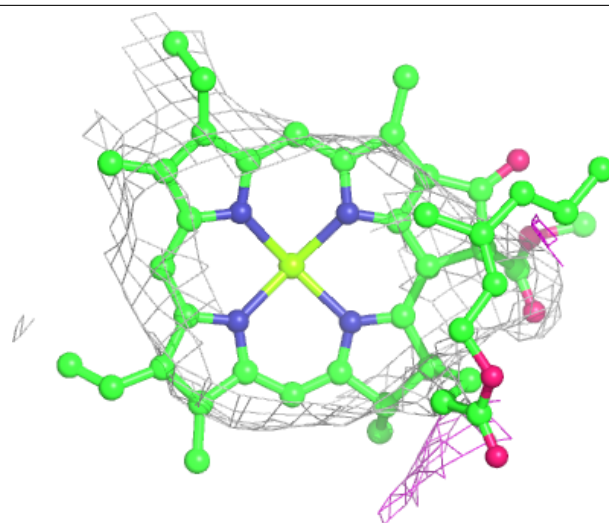
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





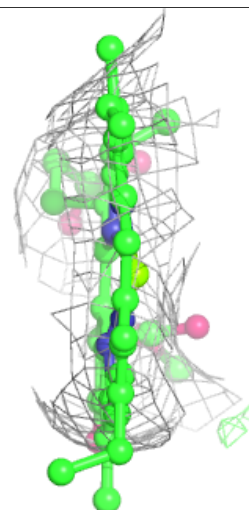
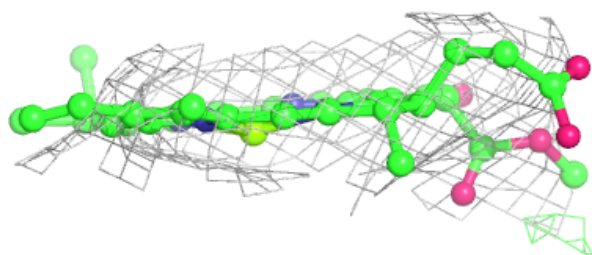
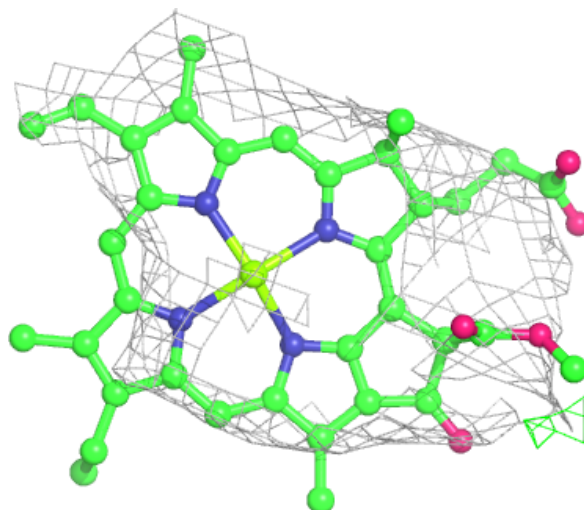
**Electron density around CLA B5 1801:**

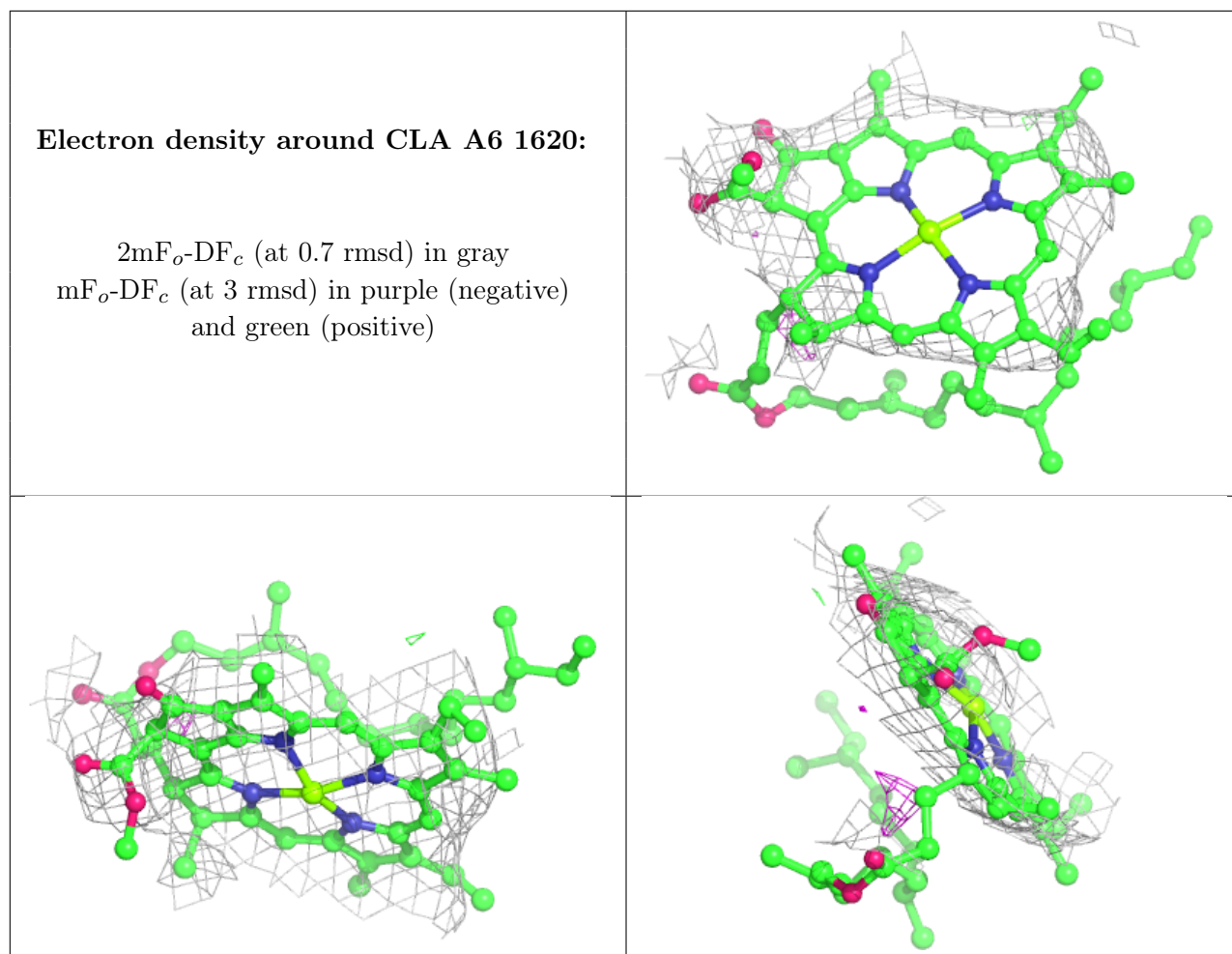
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B5 1838:**

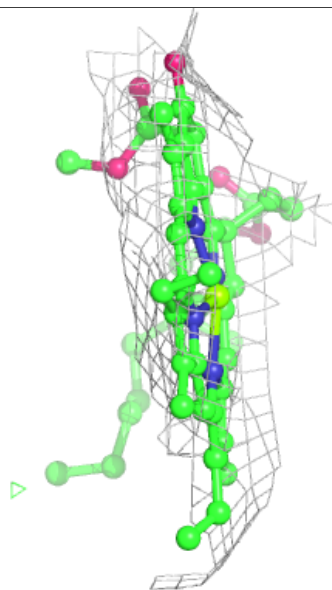
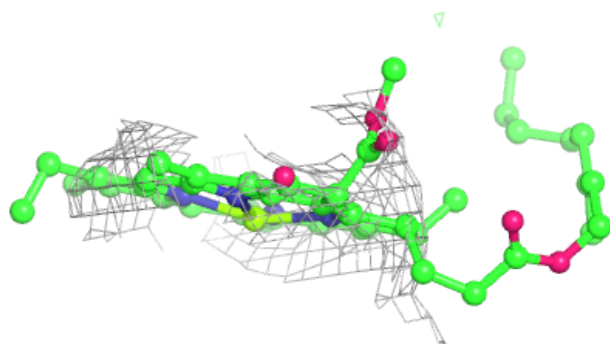
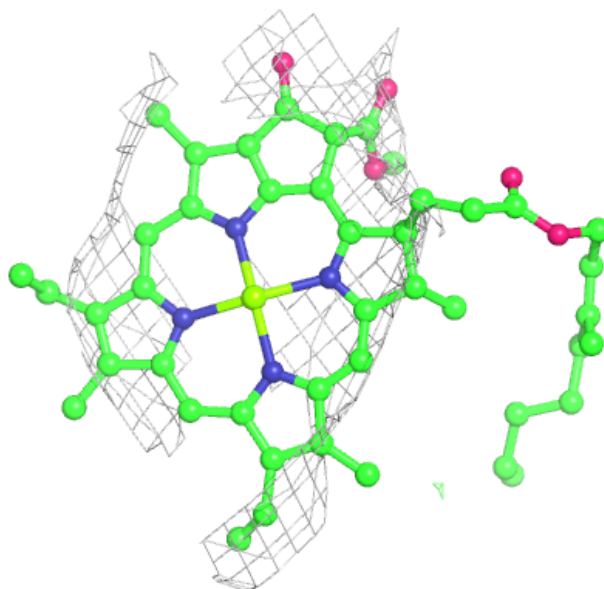
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B4 826:**

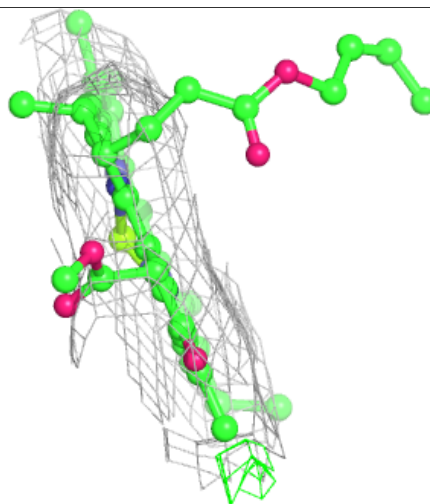
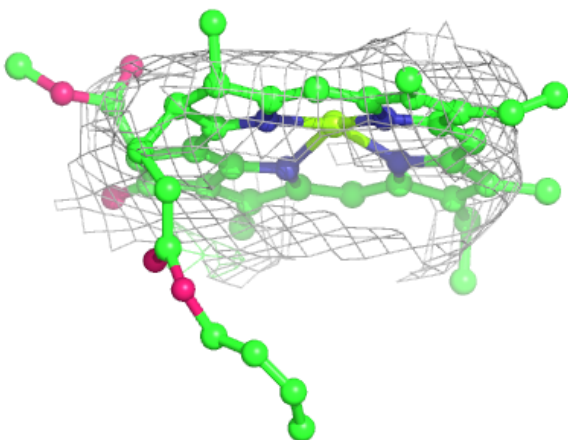
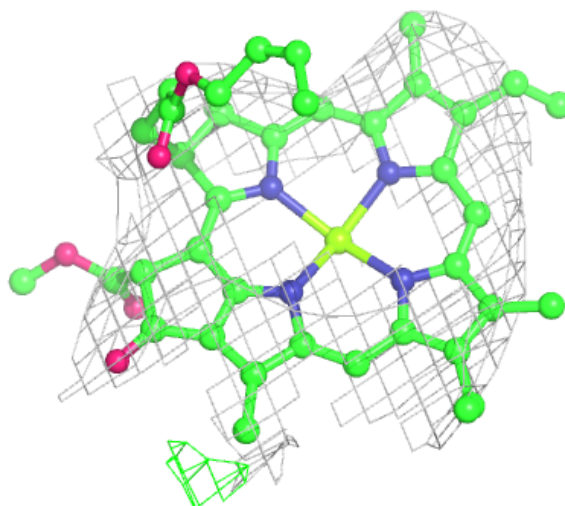
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





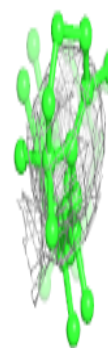
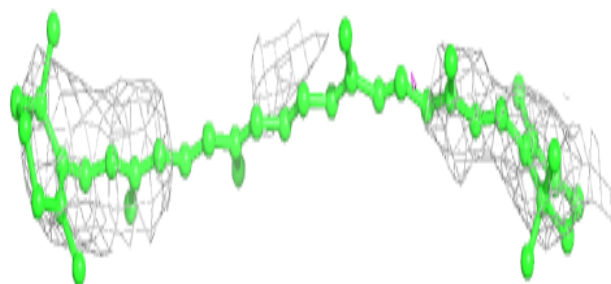
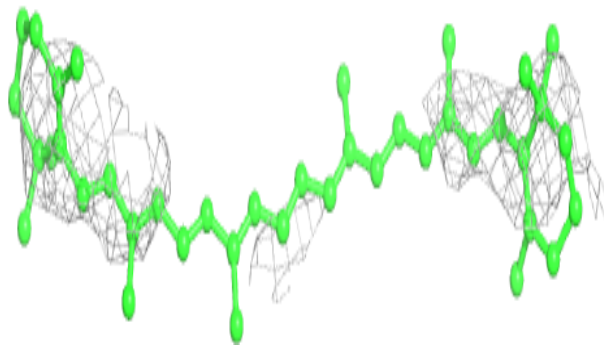
**Electron density around CLA B1 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

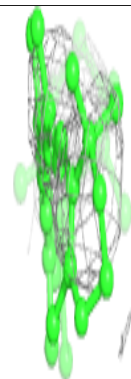
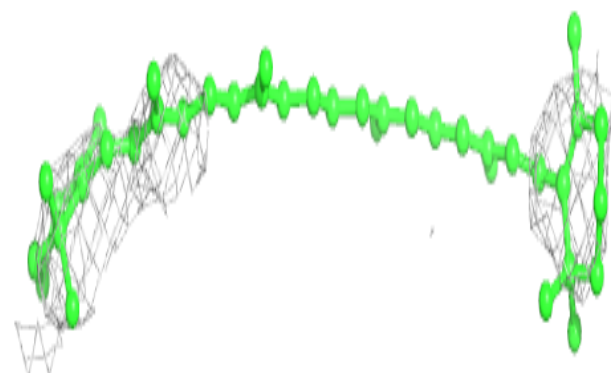
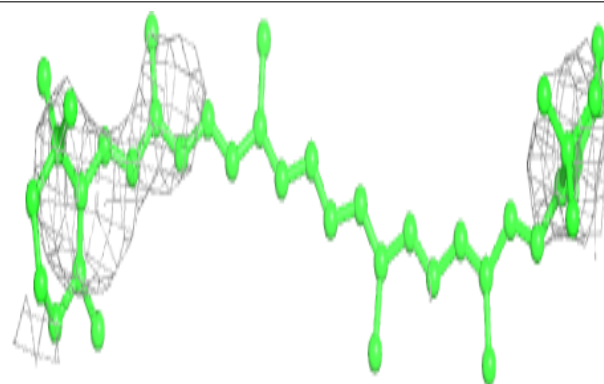


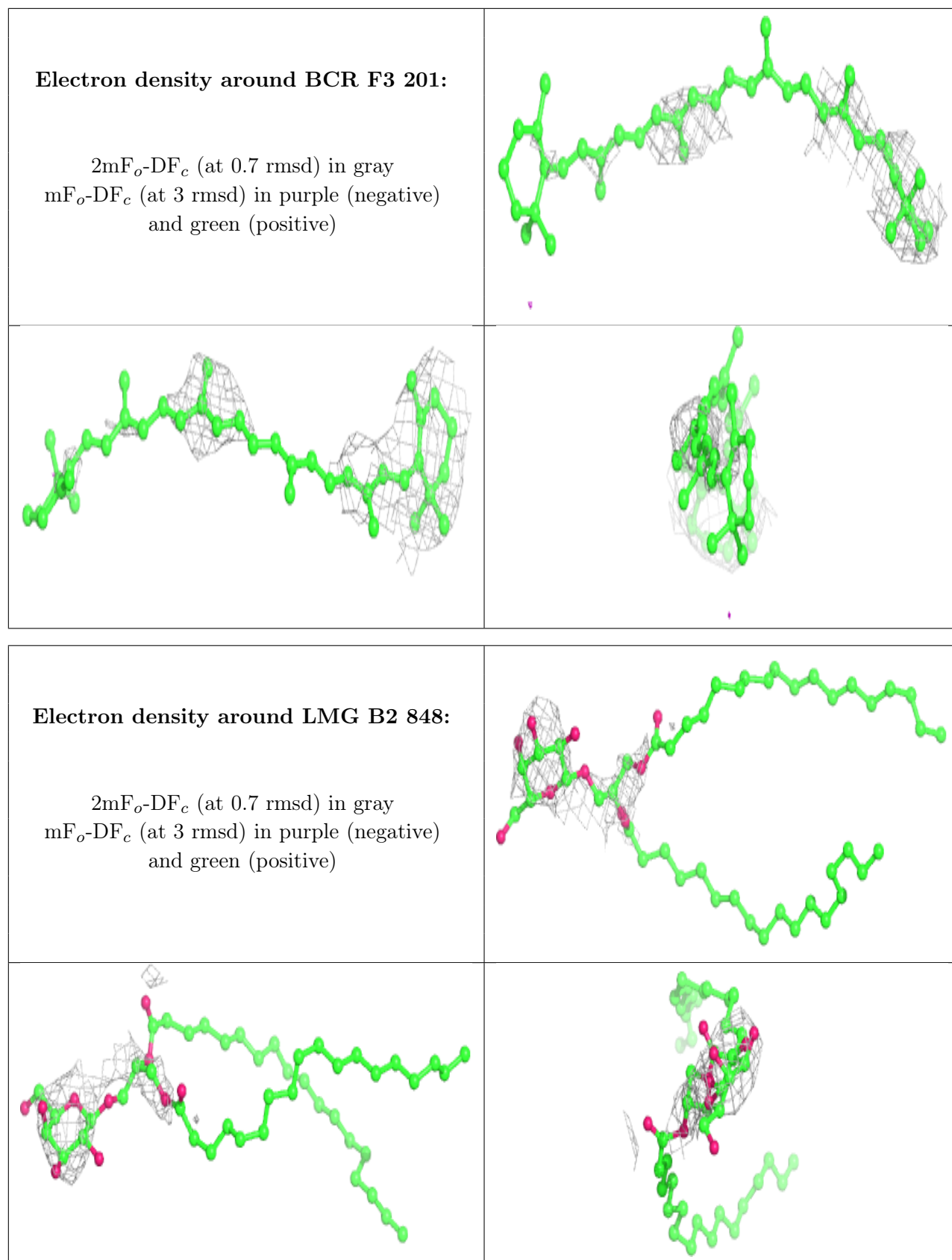
**Electron density around BCR A5 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A2 1651:**

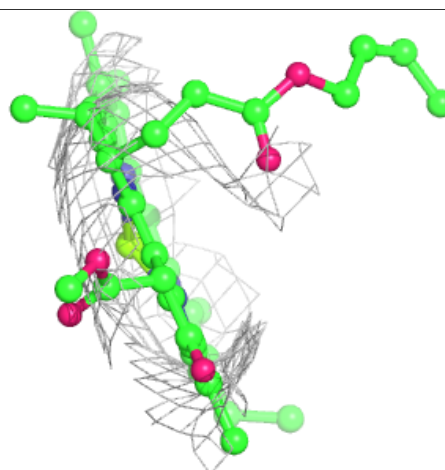
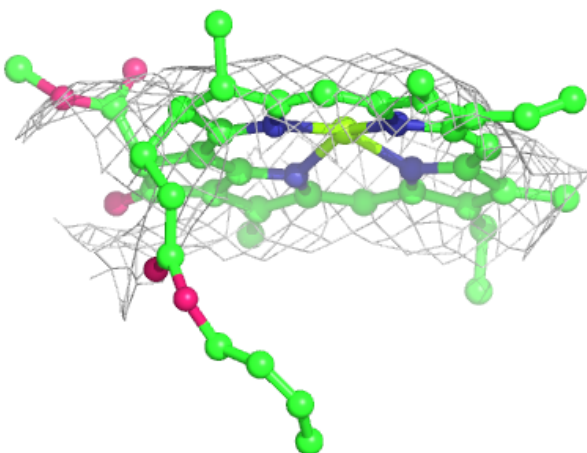
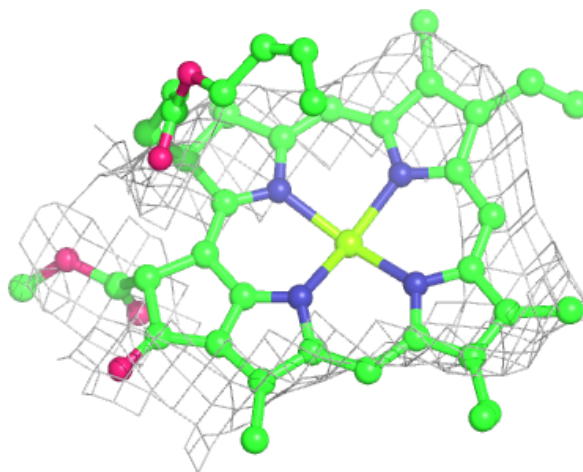
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





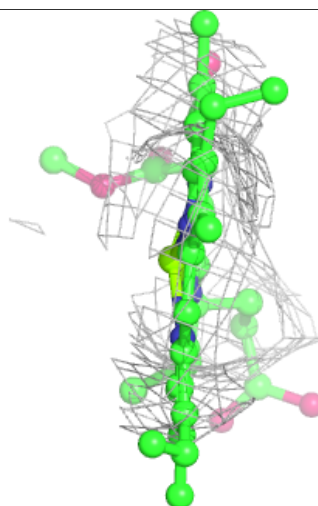
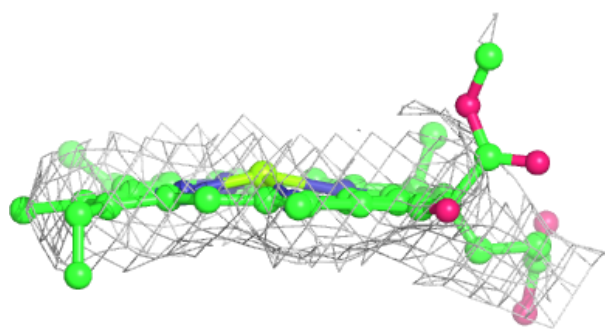
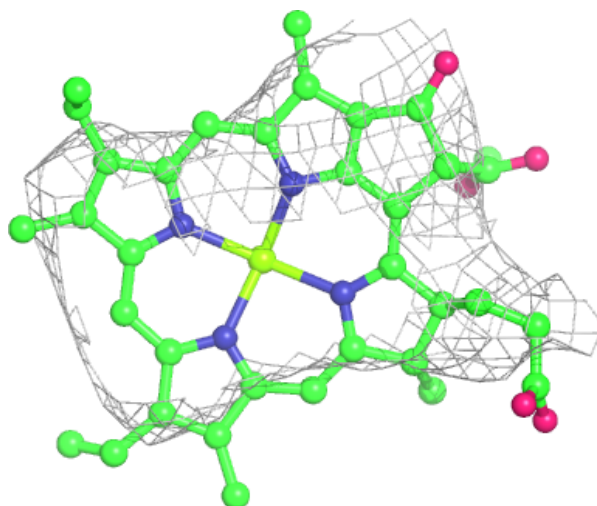
**Electron density around CLA B2 830:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



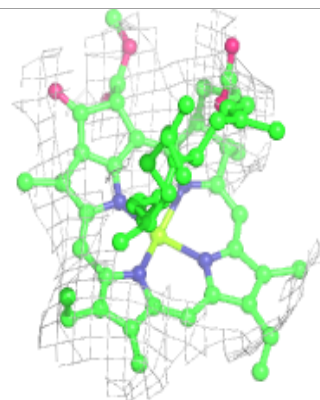
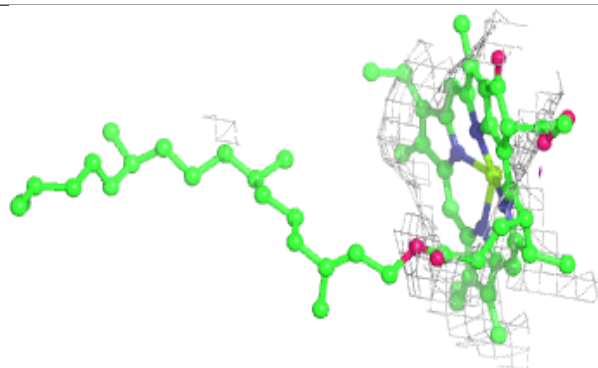
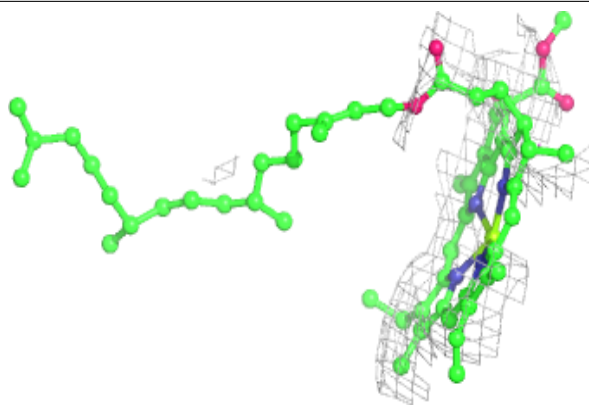
**Electron density around CLA X5 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

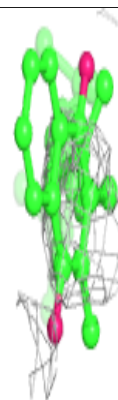
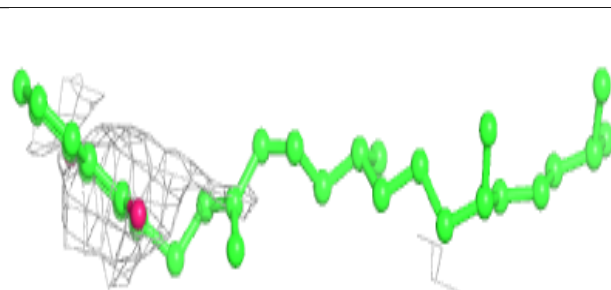
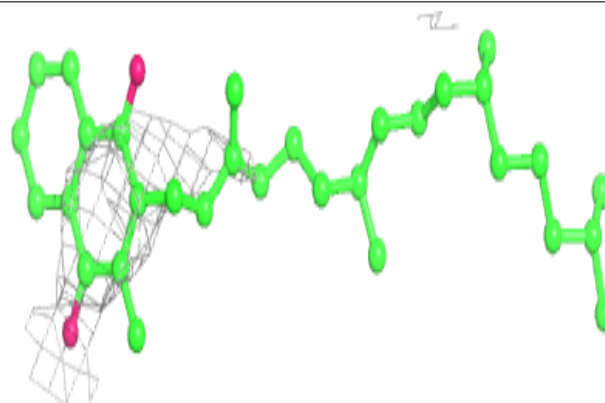


**Electron density around CLA A1 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

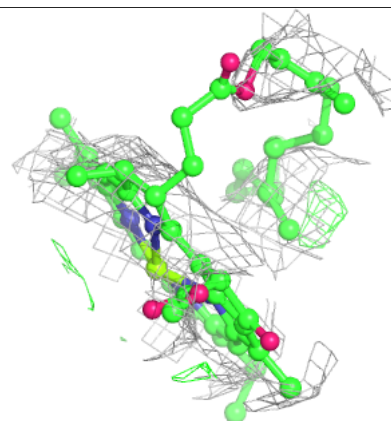
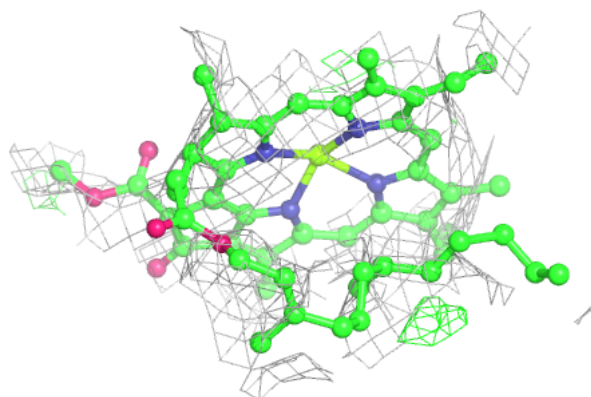
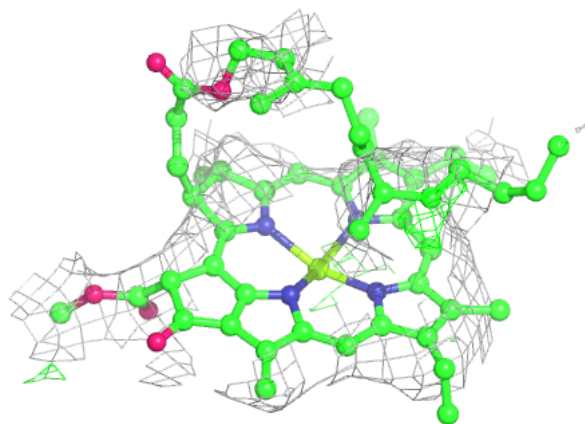
**Electron density around PQN A2 1646:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B4 819:**

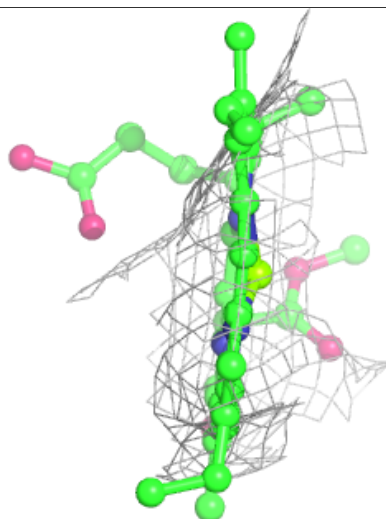
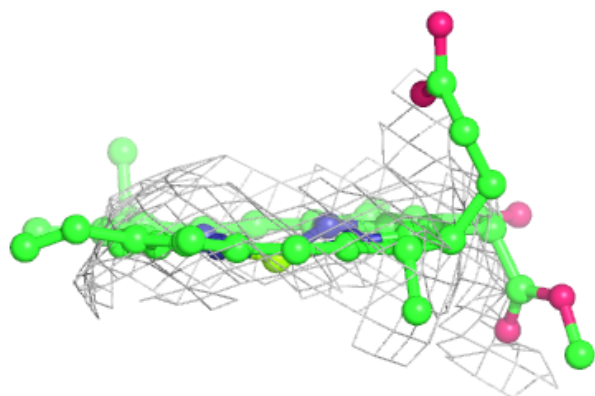
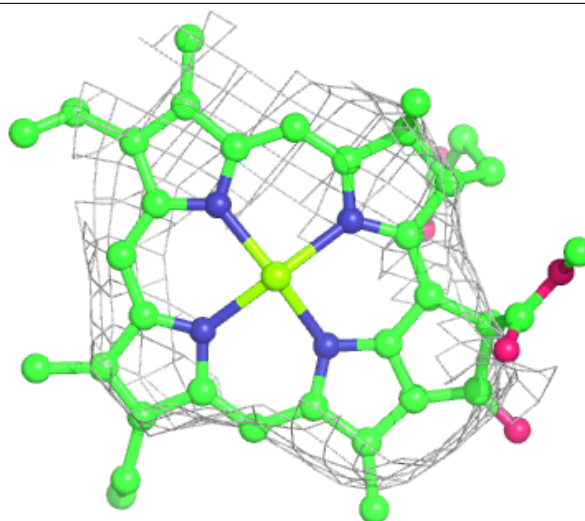
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



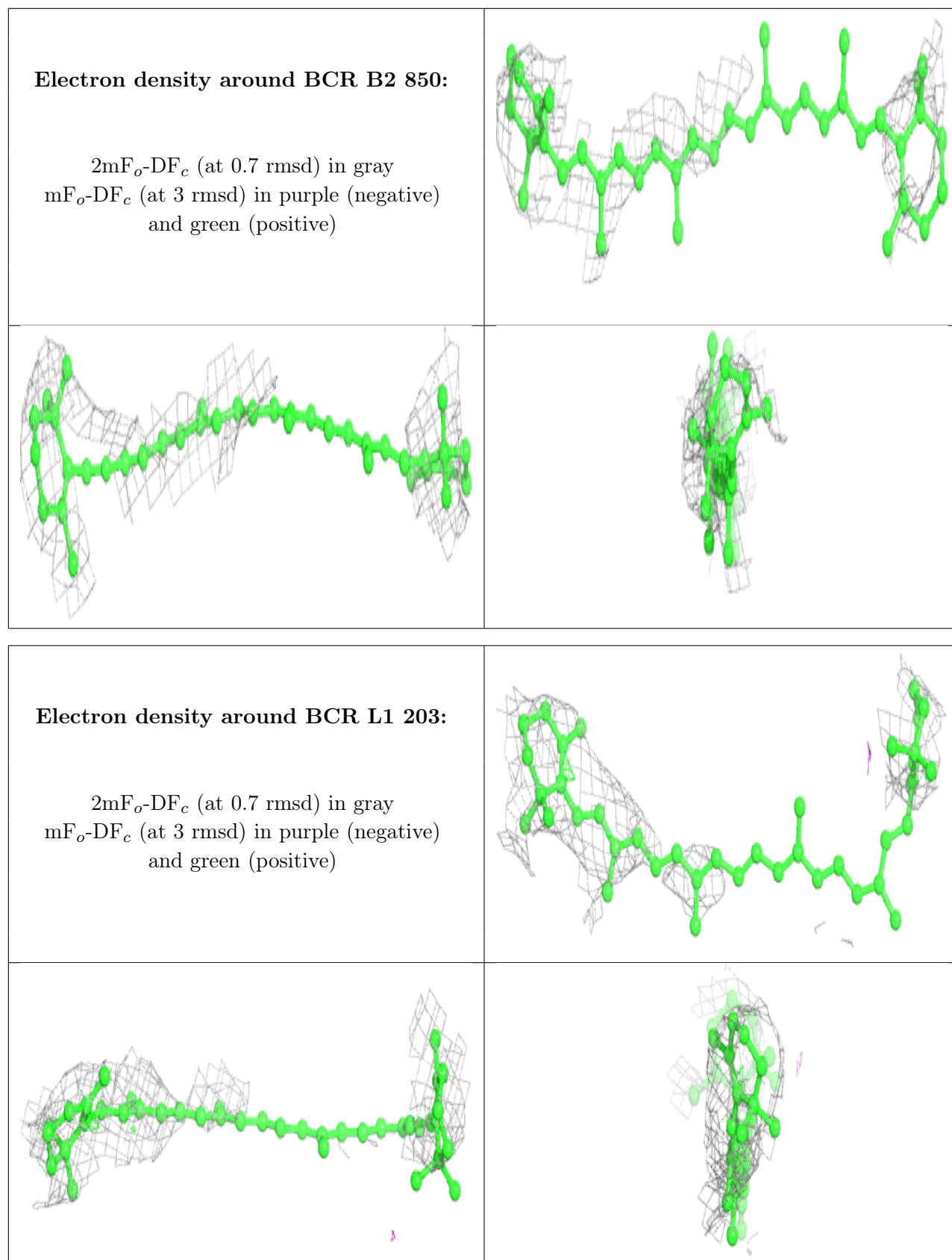


**Electron density around CLA A1 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

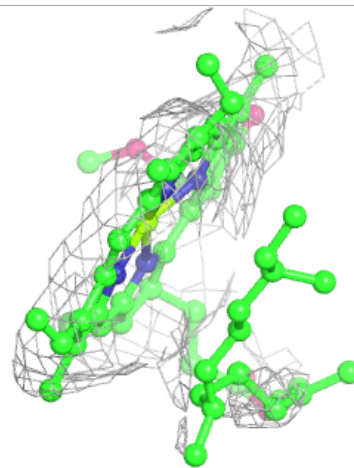
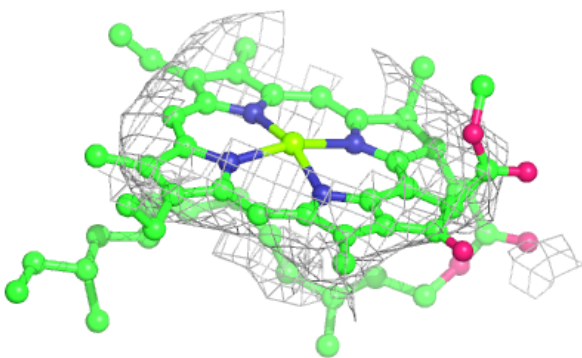
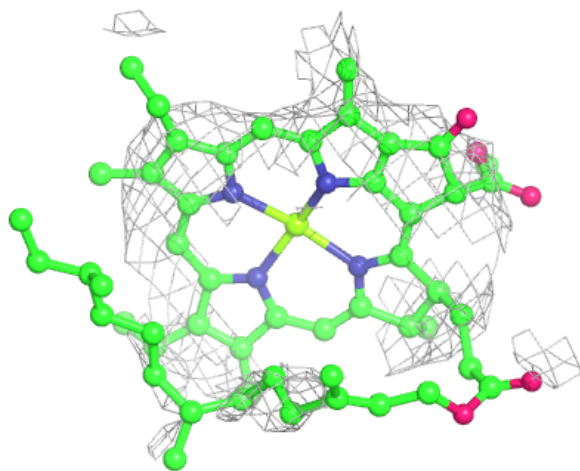






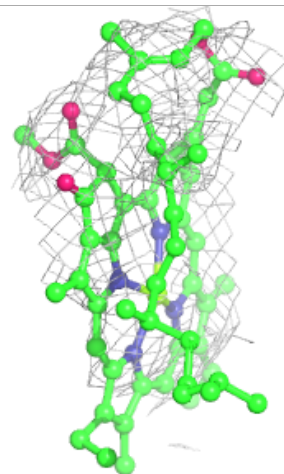
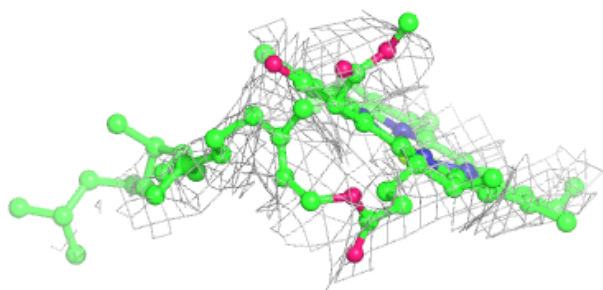
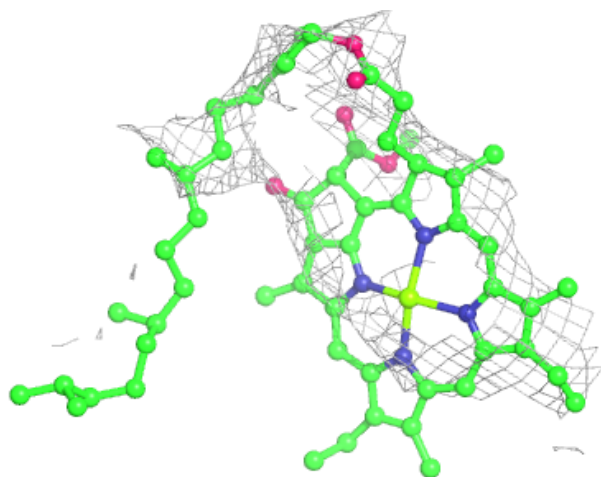
**Electron density around CLA A5 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



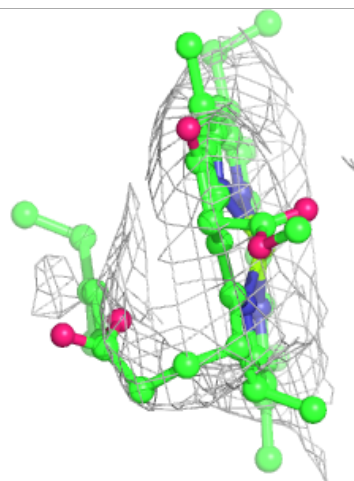
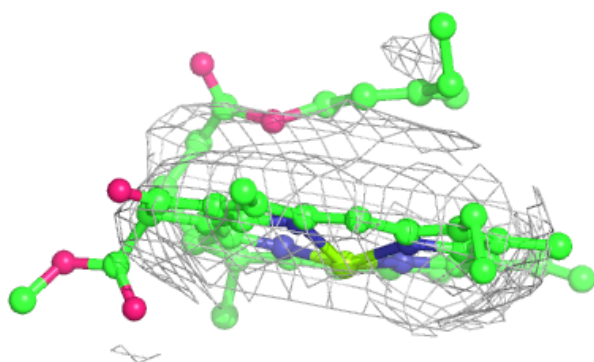
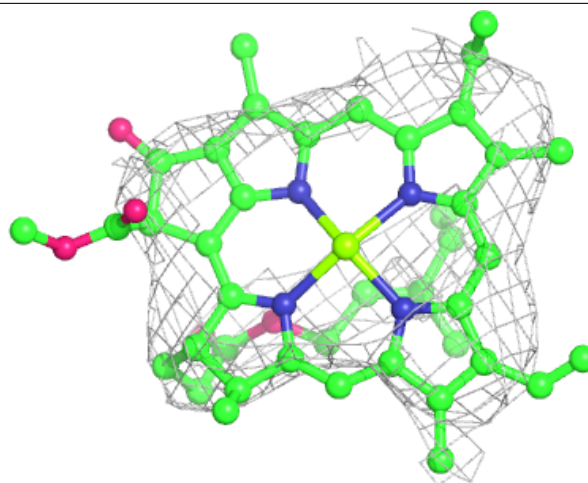
**Electron density around CLA A5 825:**

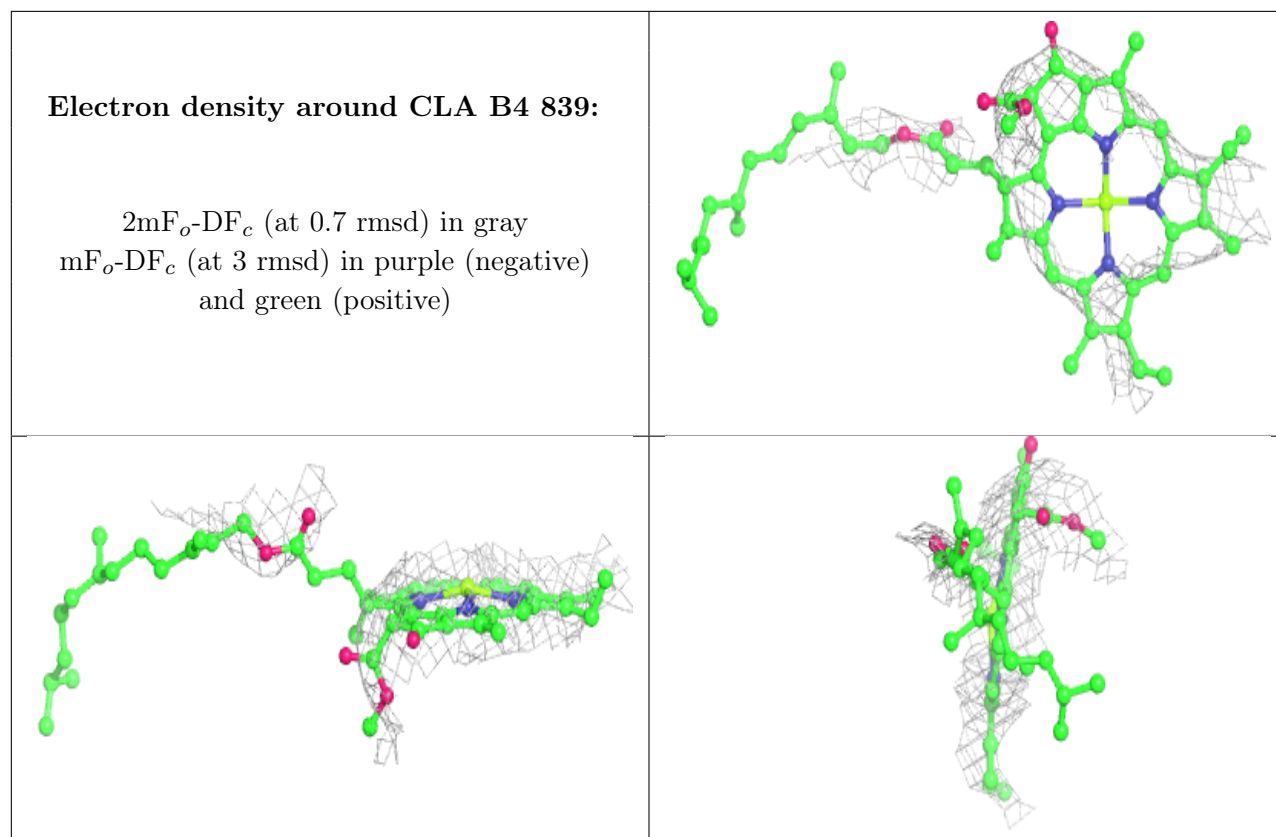
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 823:**

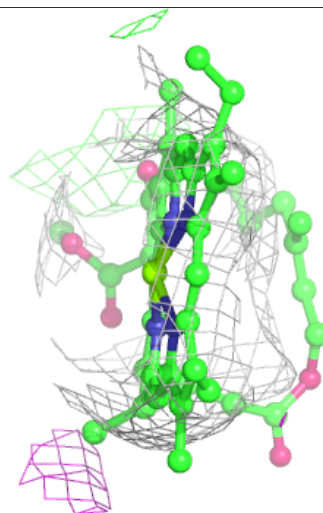
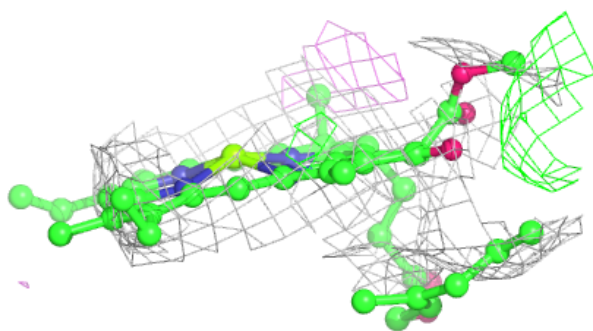
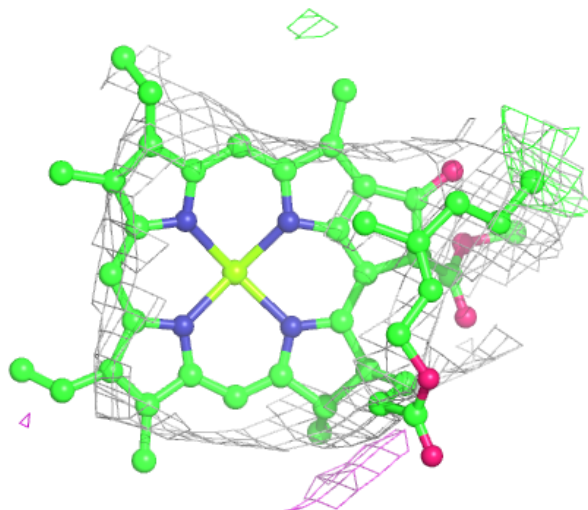
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





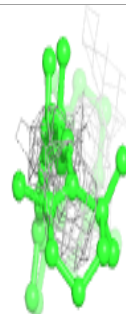
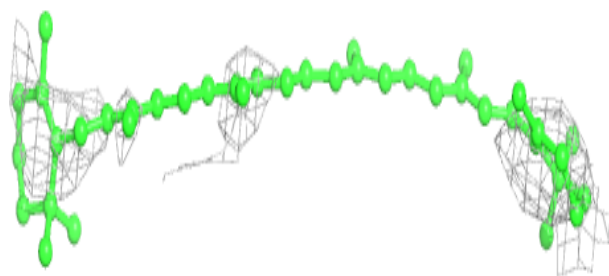
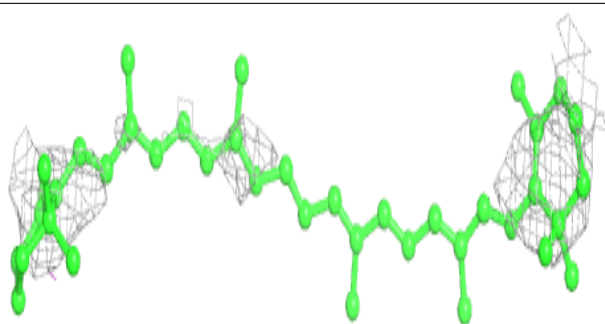
**Electron density around CLA B4 852:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

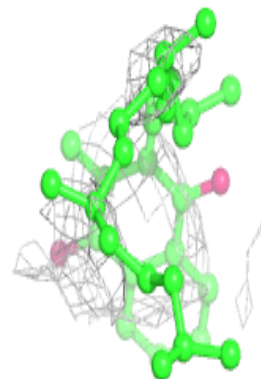
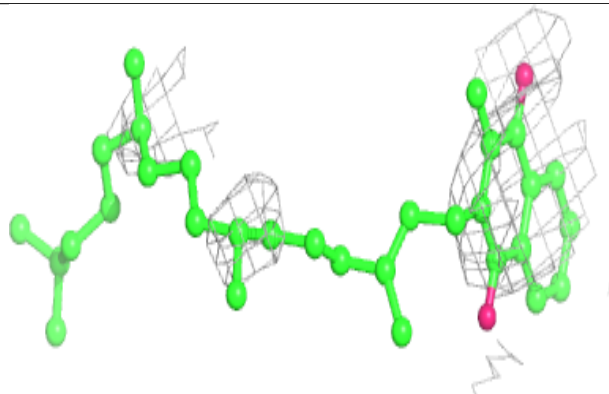
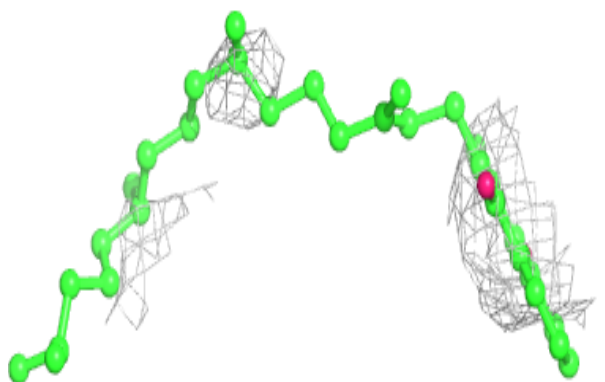


**Electron density around BCR A6 1647:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around PQN B6 842:**

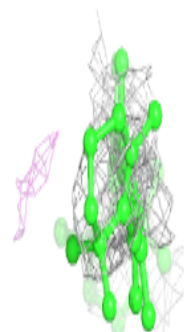
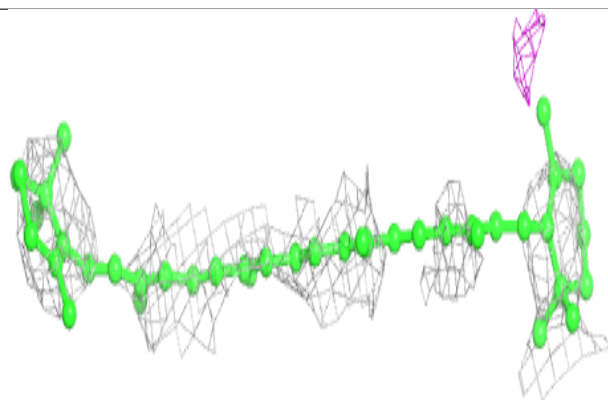
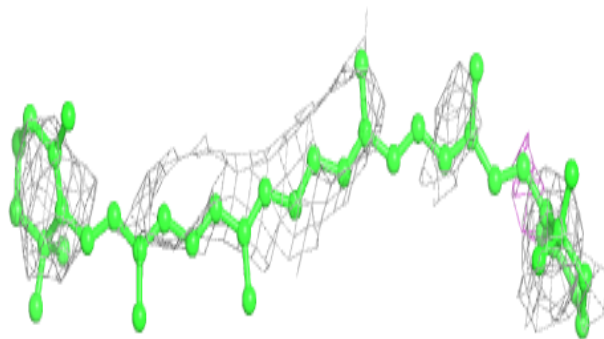
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



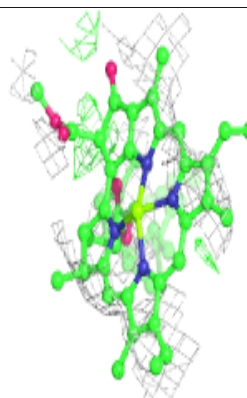
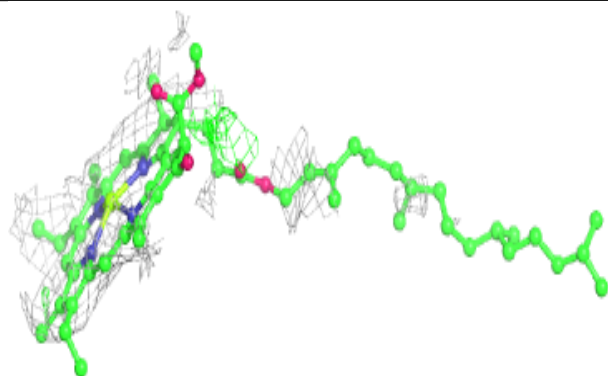
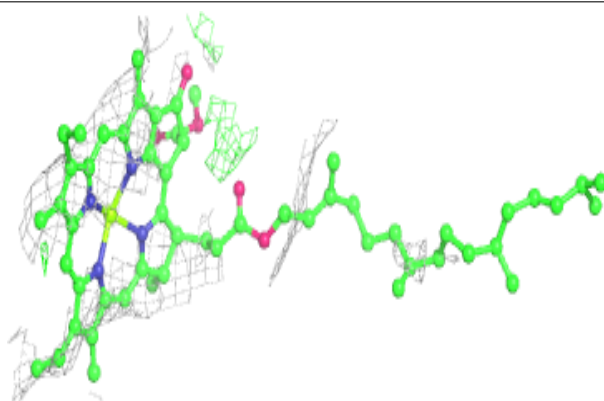


**Electron density around BCR A6 1652:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A1 808:**

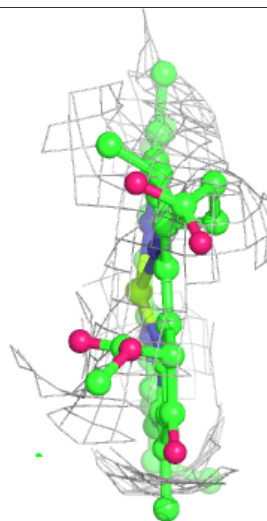
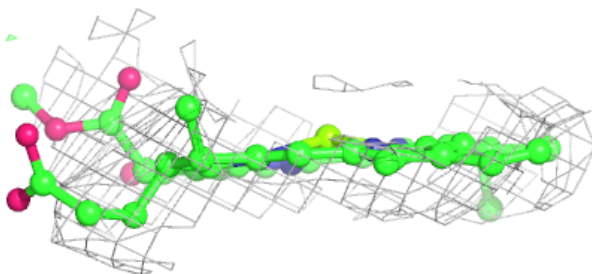
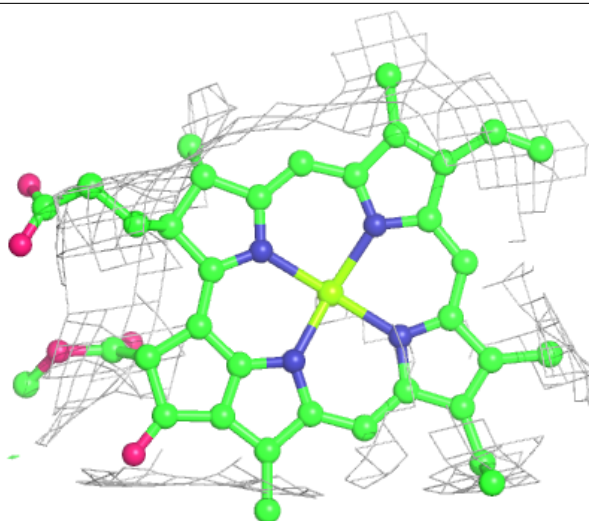
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





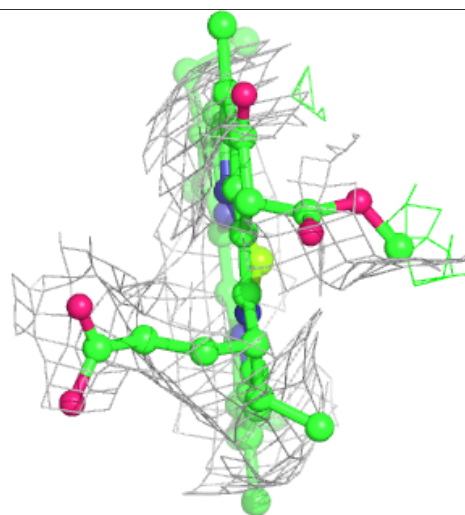
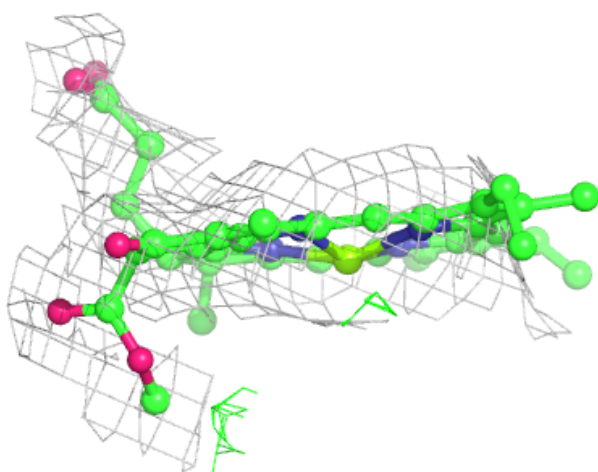
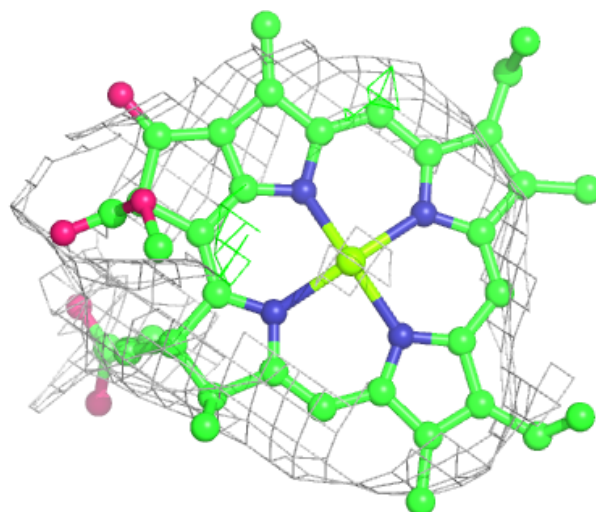
**Electron density around CLA B1 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



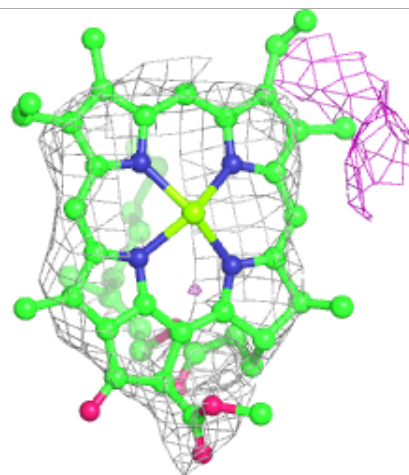
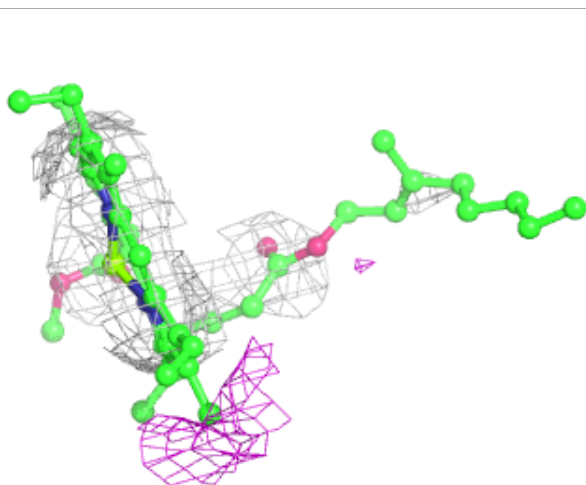
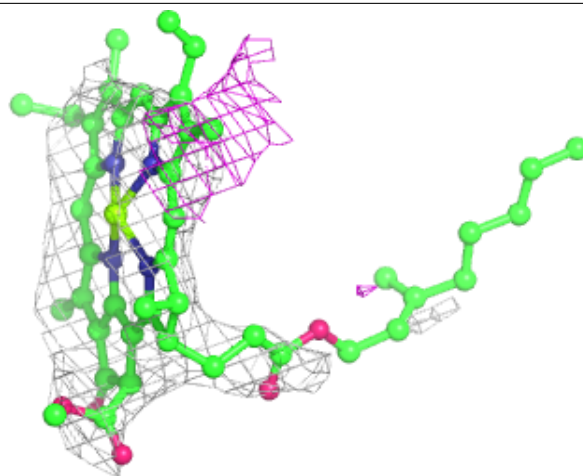
**Electron density around CLA K4 1401:**

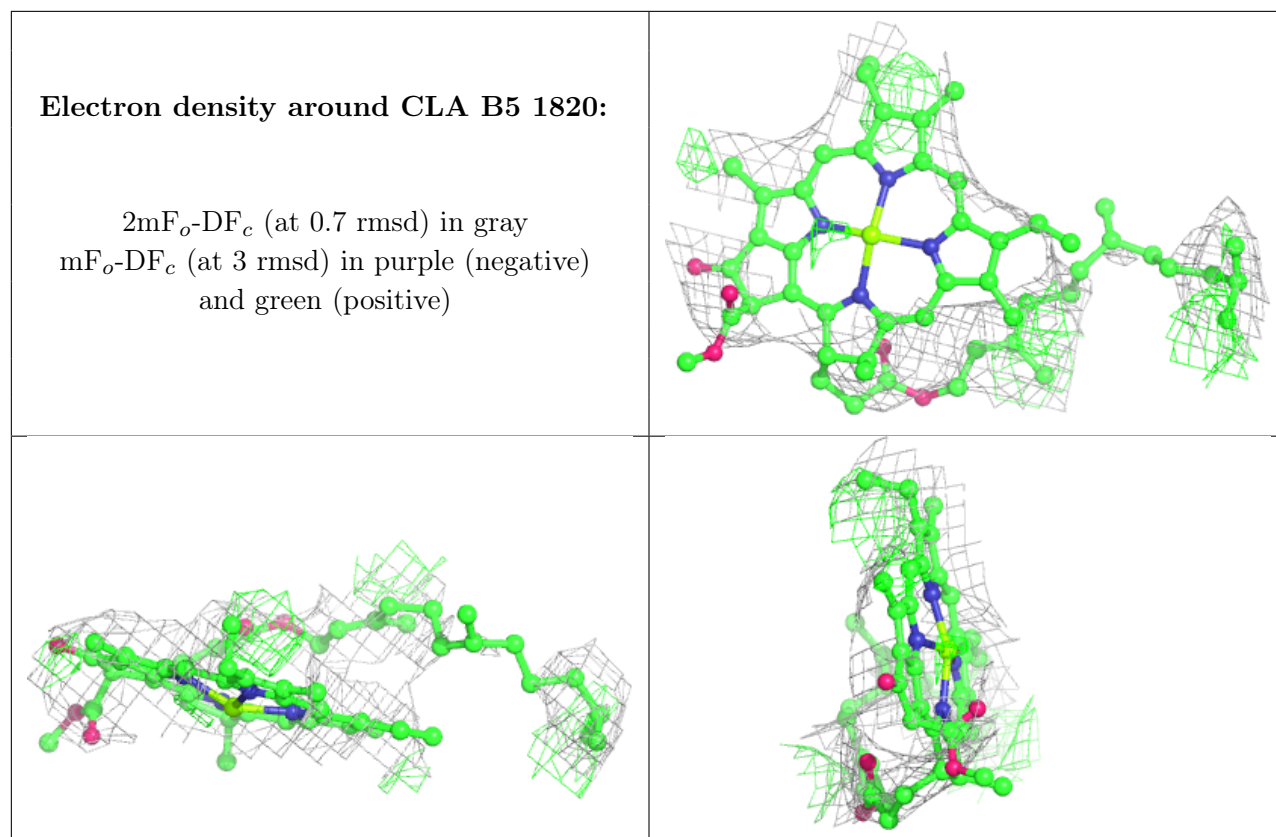
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B4 806:**

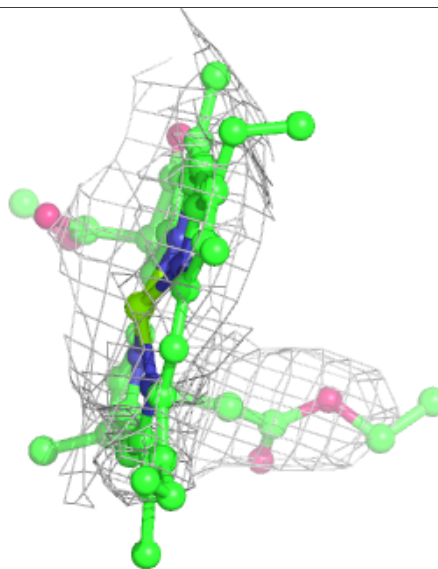
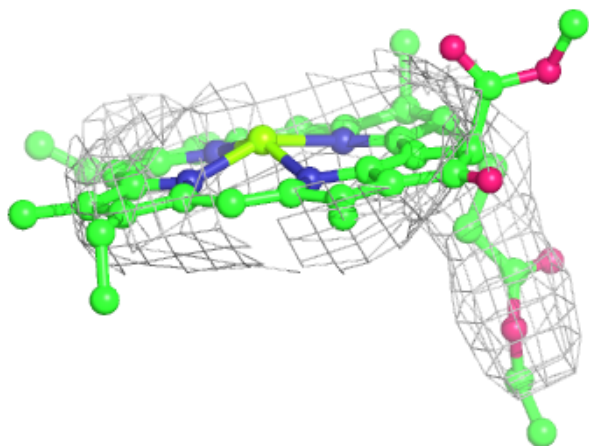
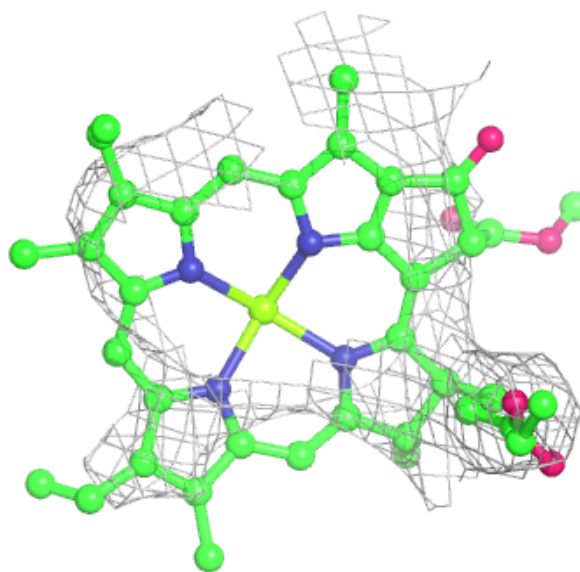
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

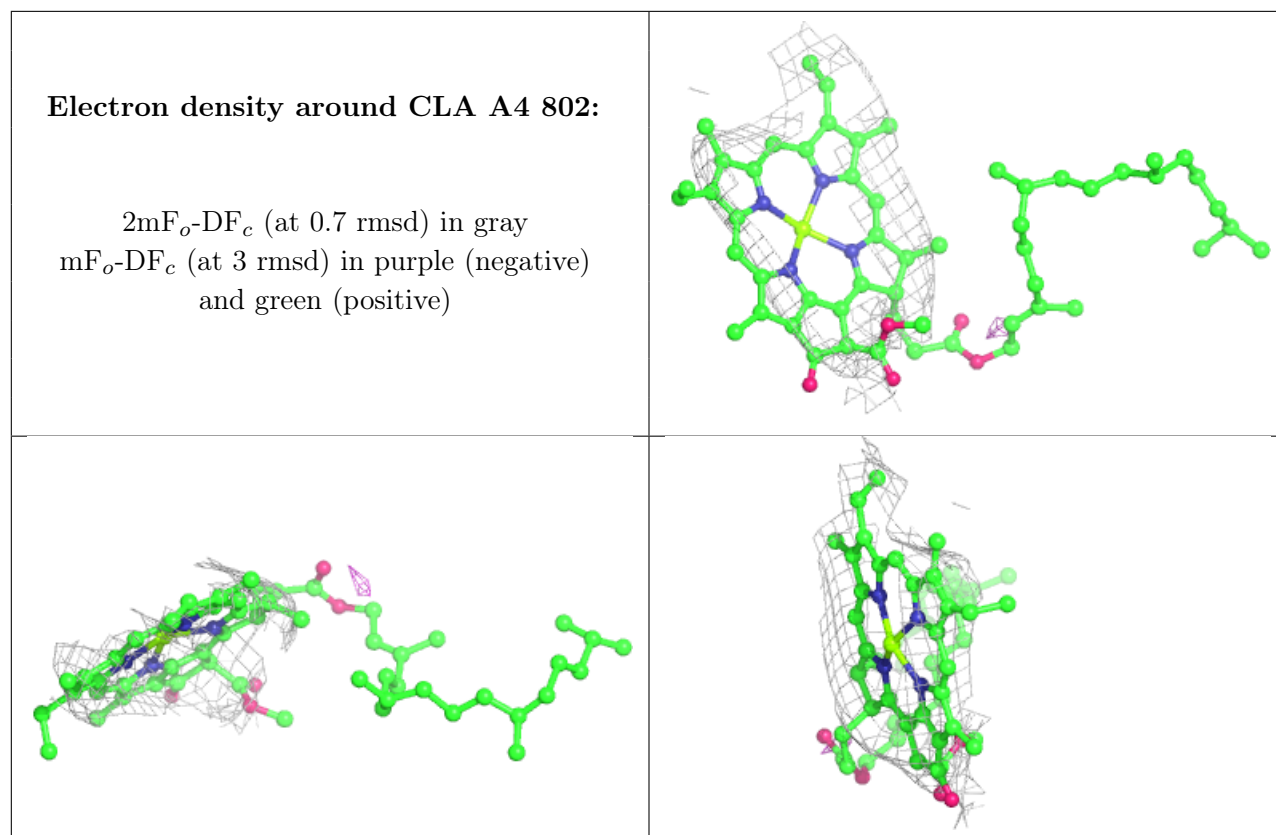




**Electron density around CLA B2 838:**

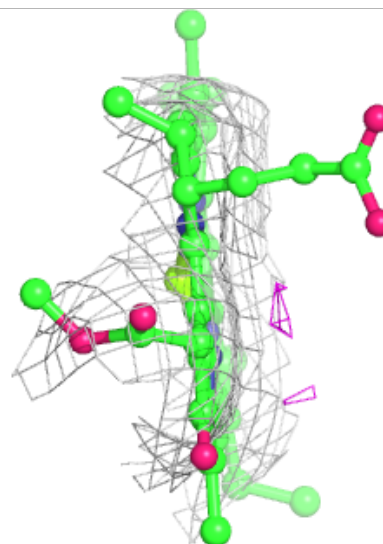
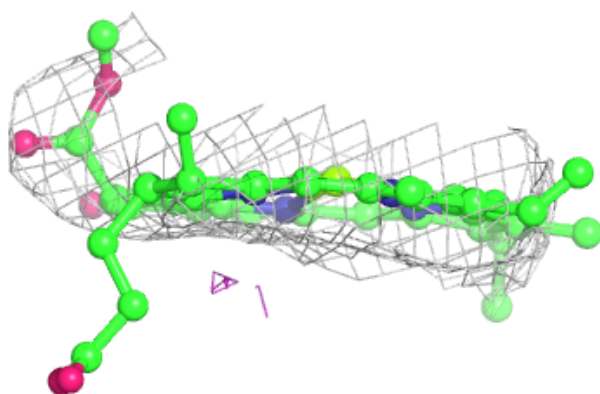
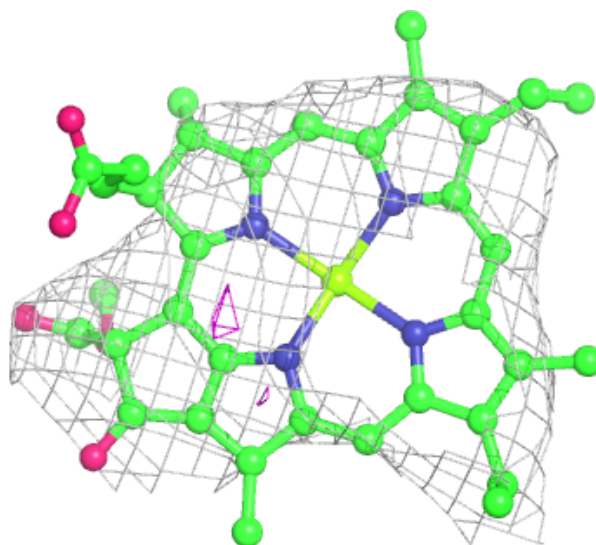
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B3 1823:**

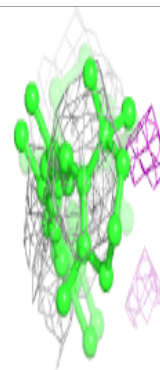
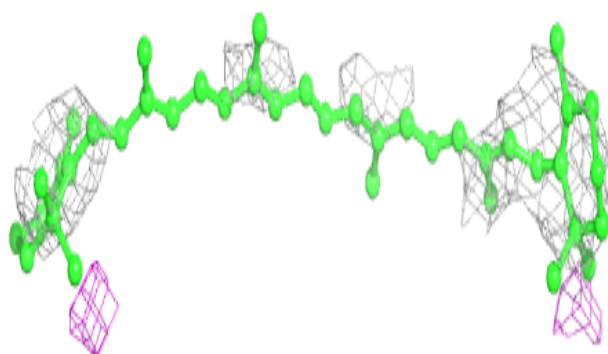
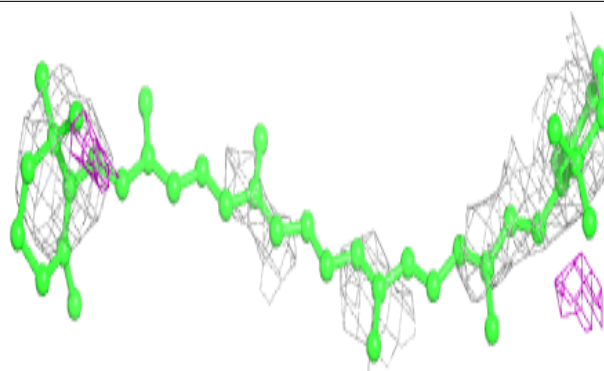
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



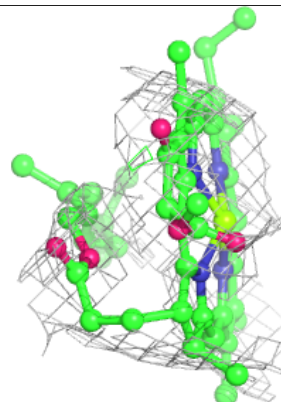
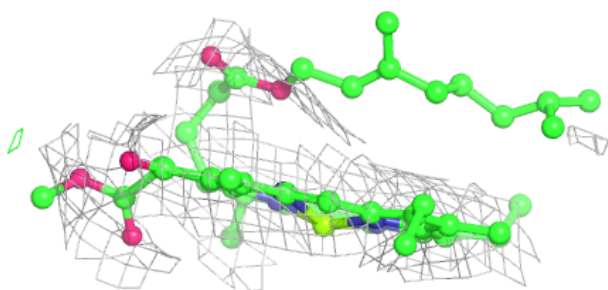
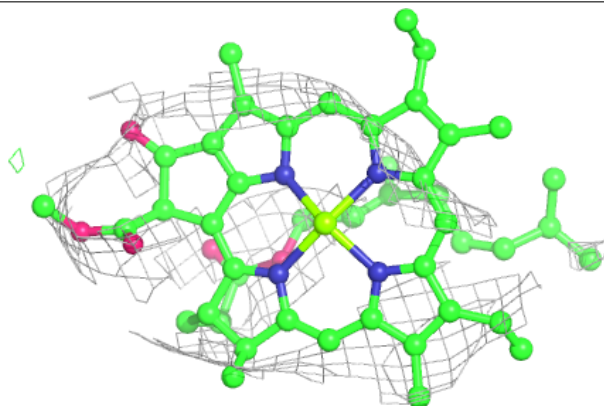


**Electron density around BCR I6 102:**

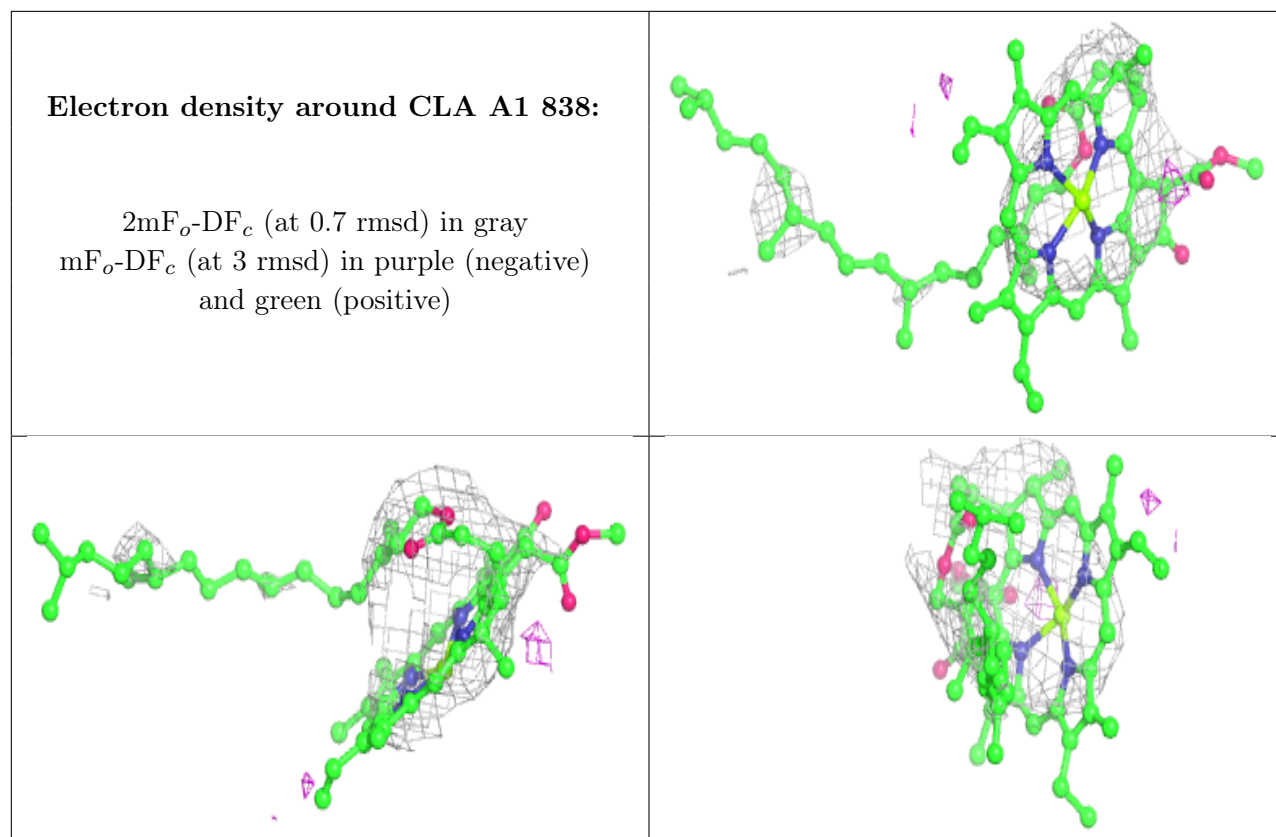
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

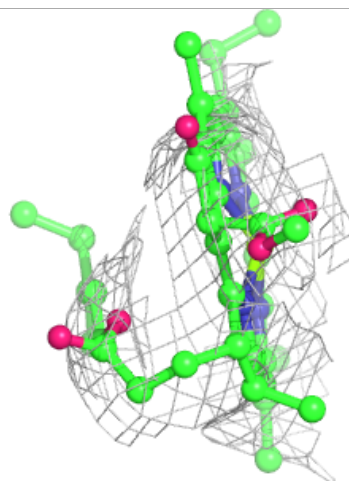
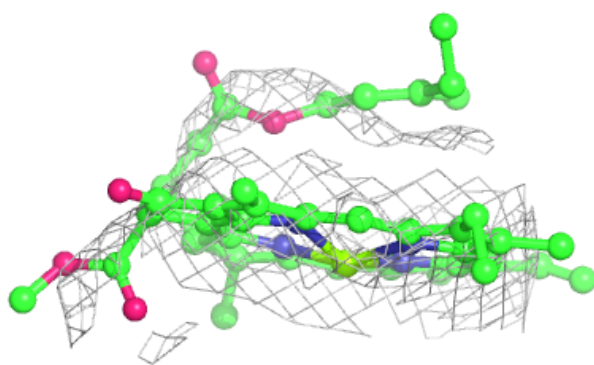
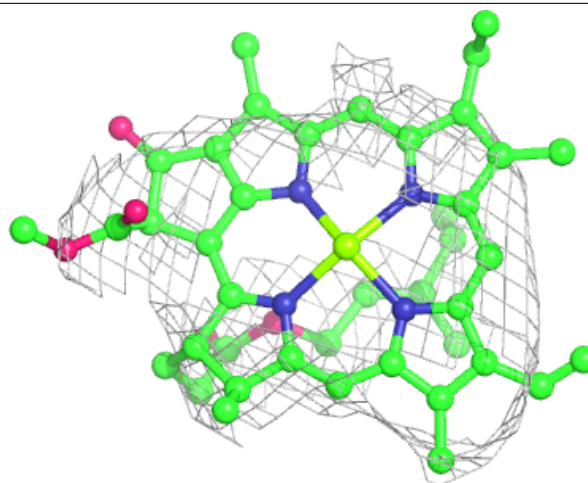


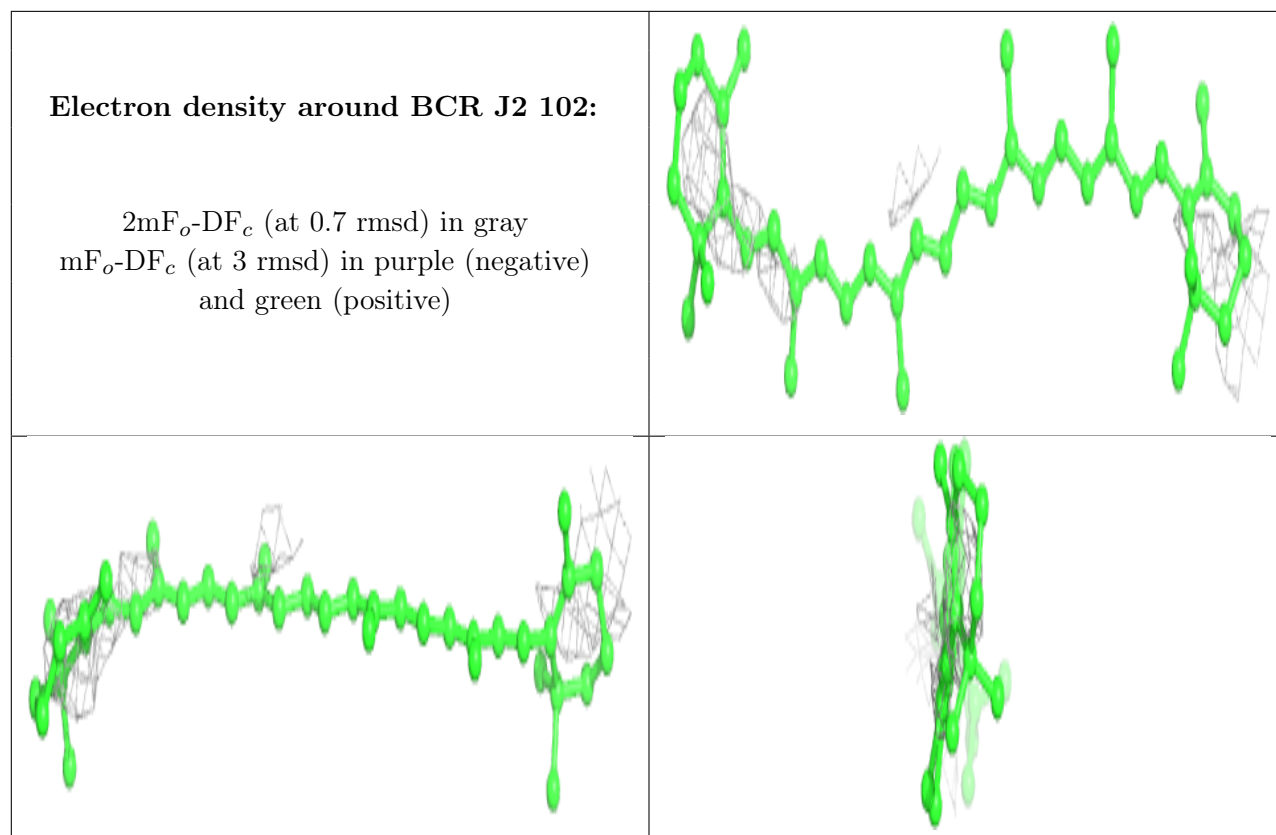




**Electron density around CLA A2 1625:**

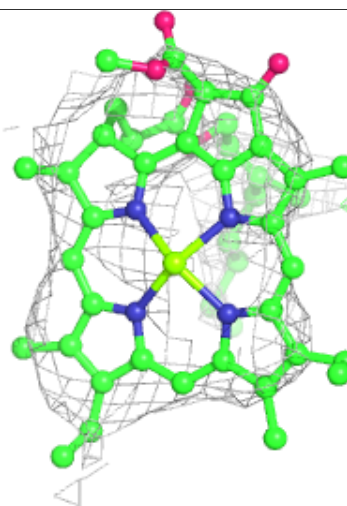
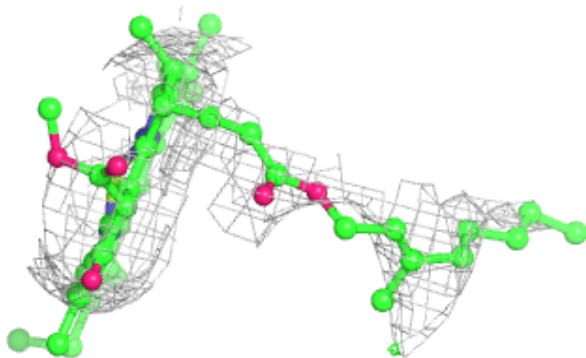
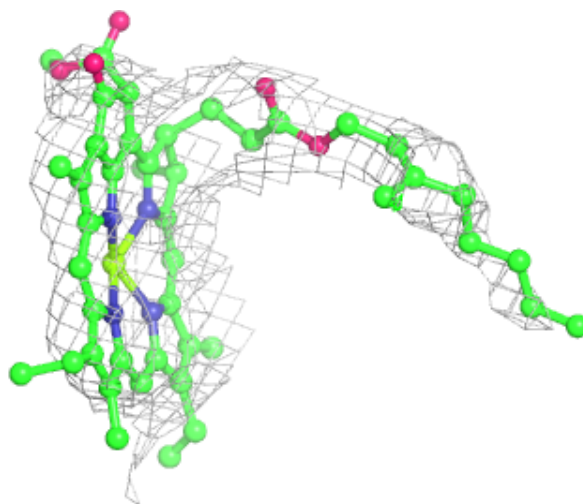
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

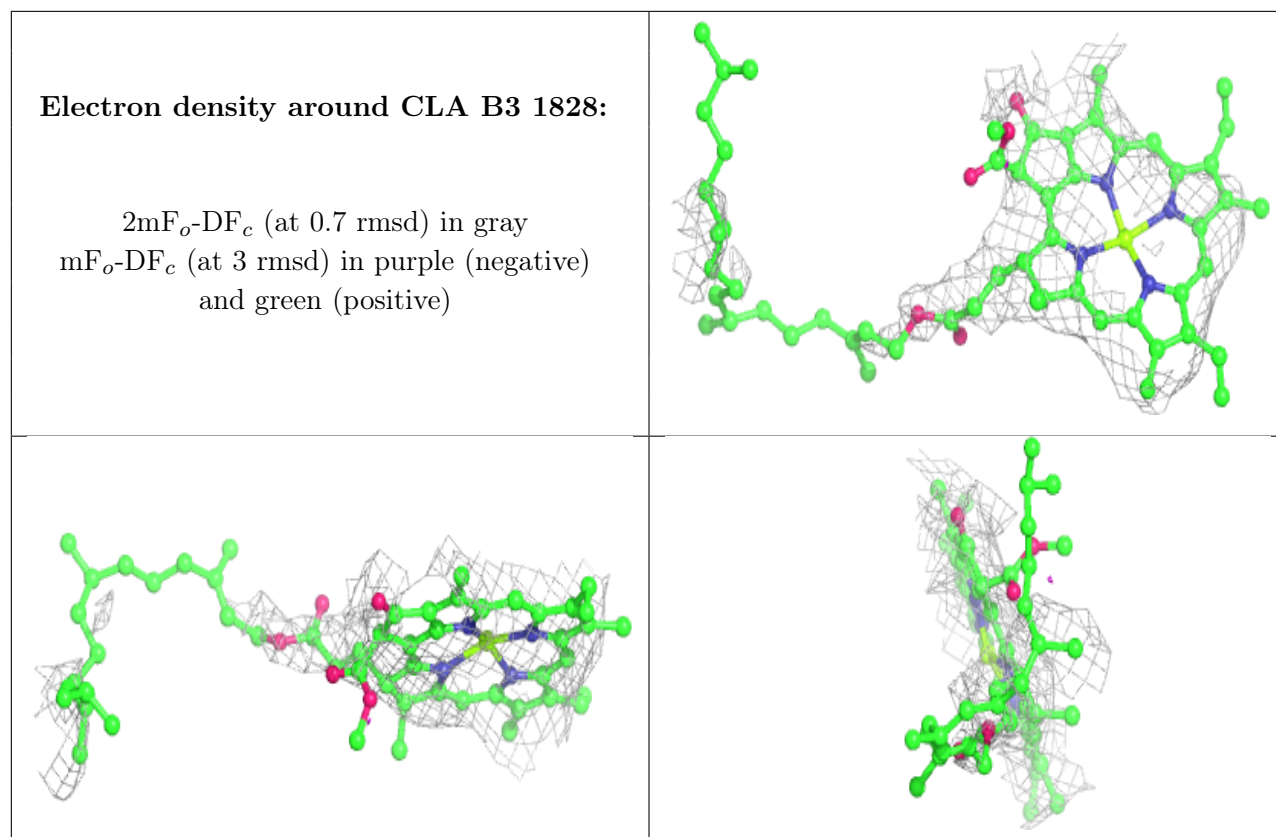




**Electron density around CLA M2 1201:**

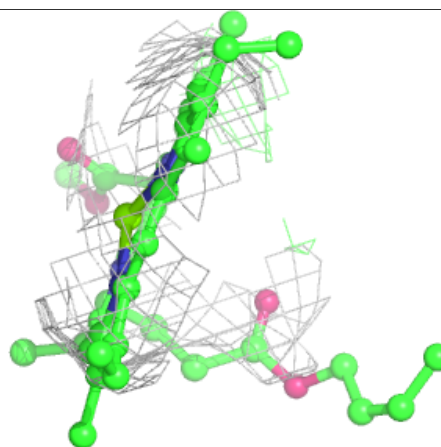
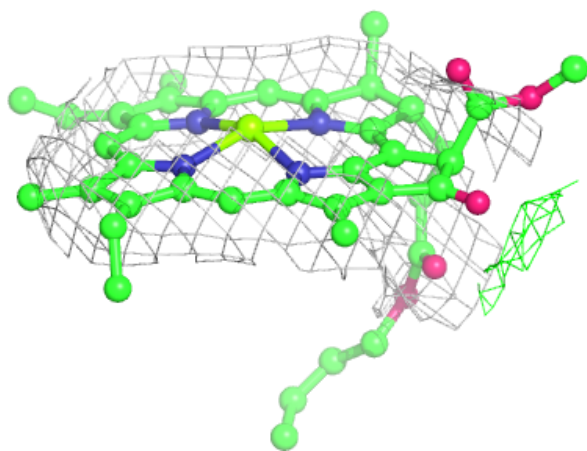
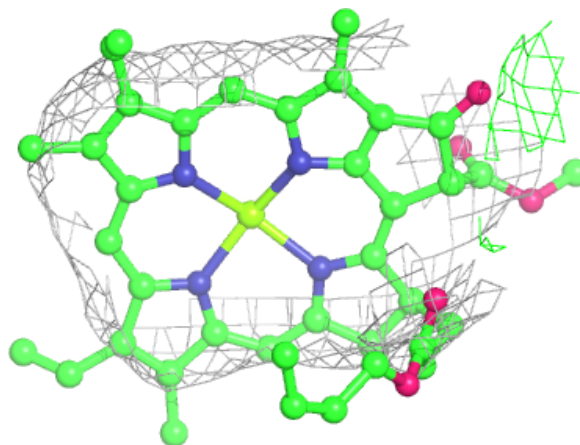
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





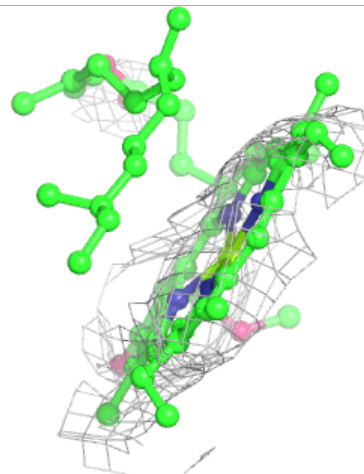
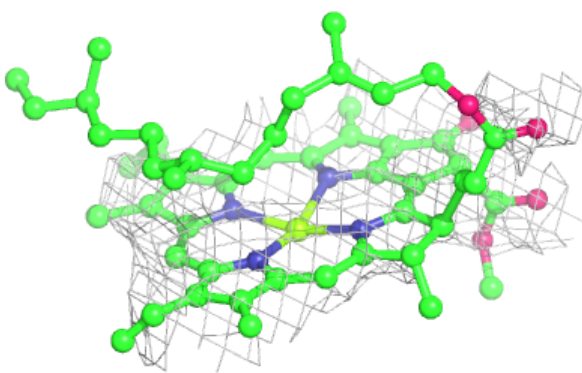
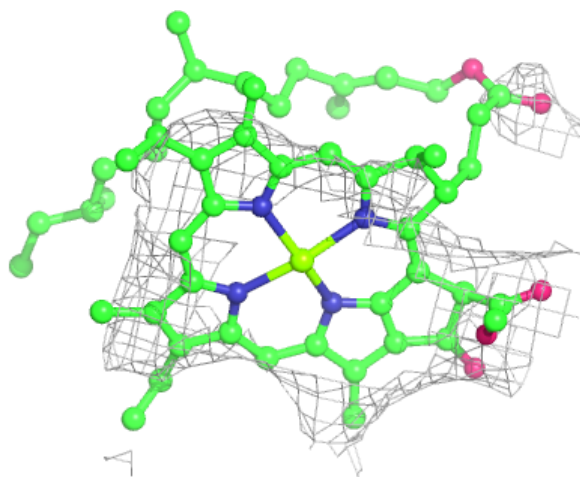
**Electron density around CLA B3 1833:**

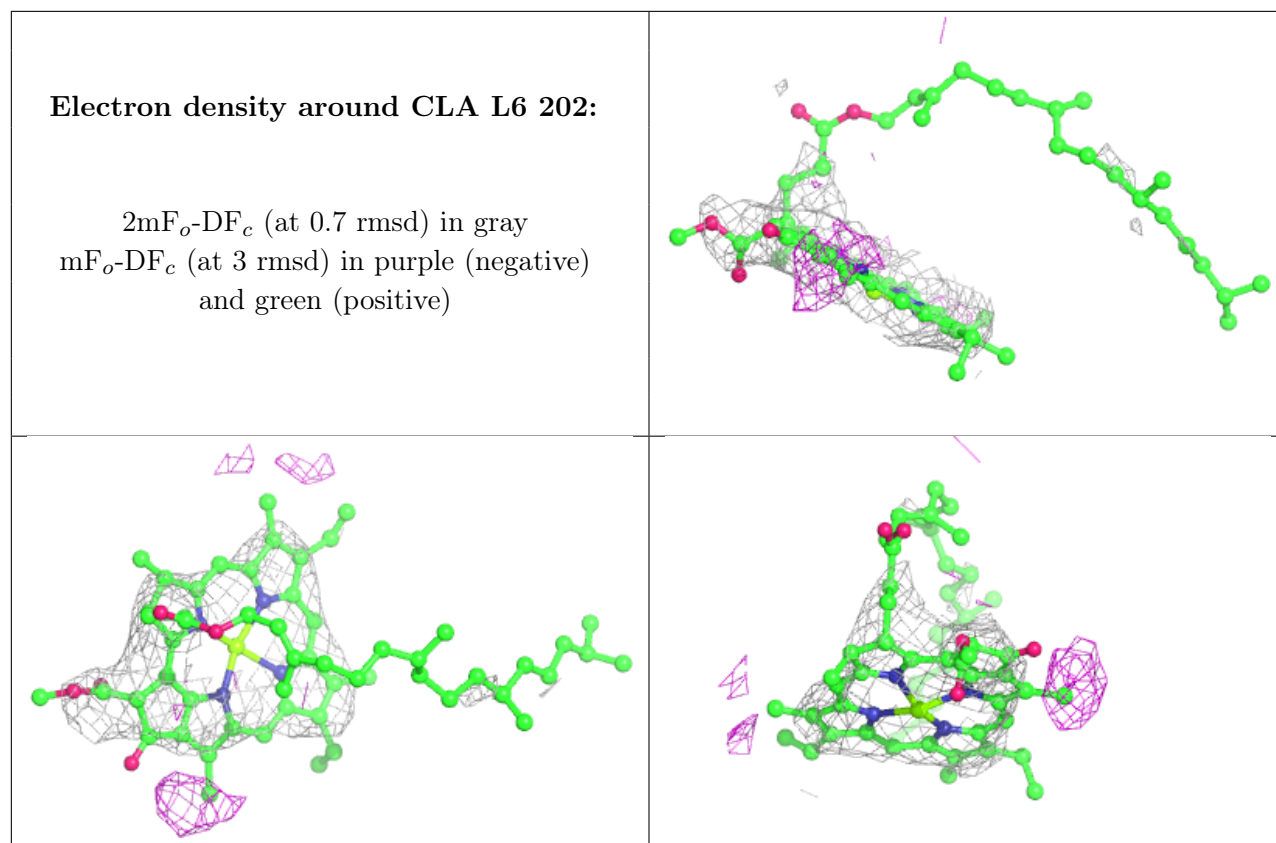
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A4 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

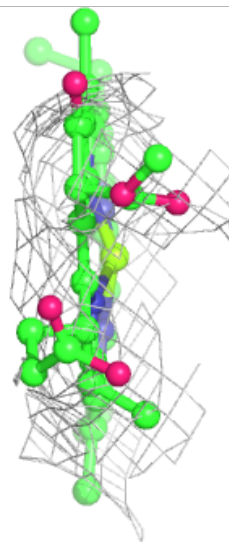
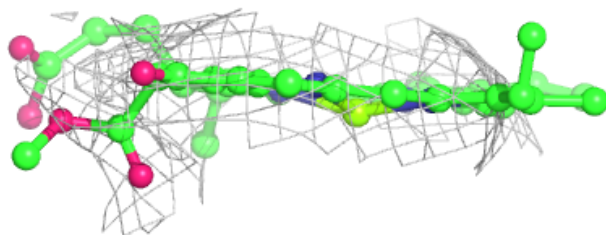
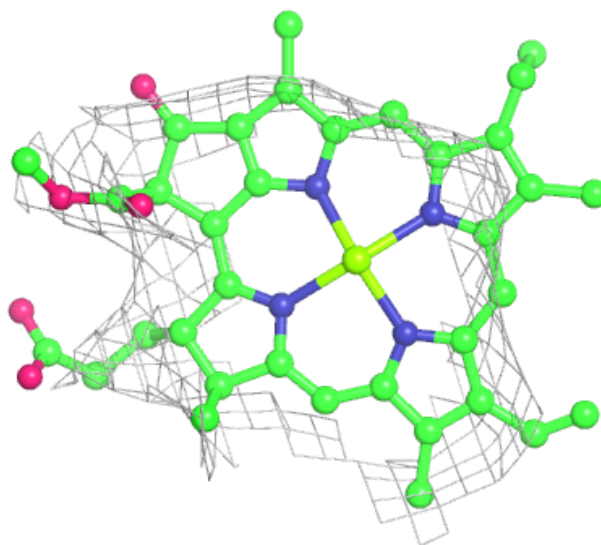


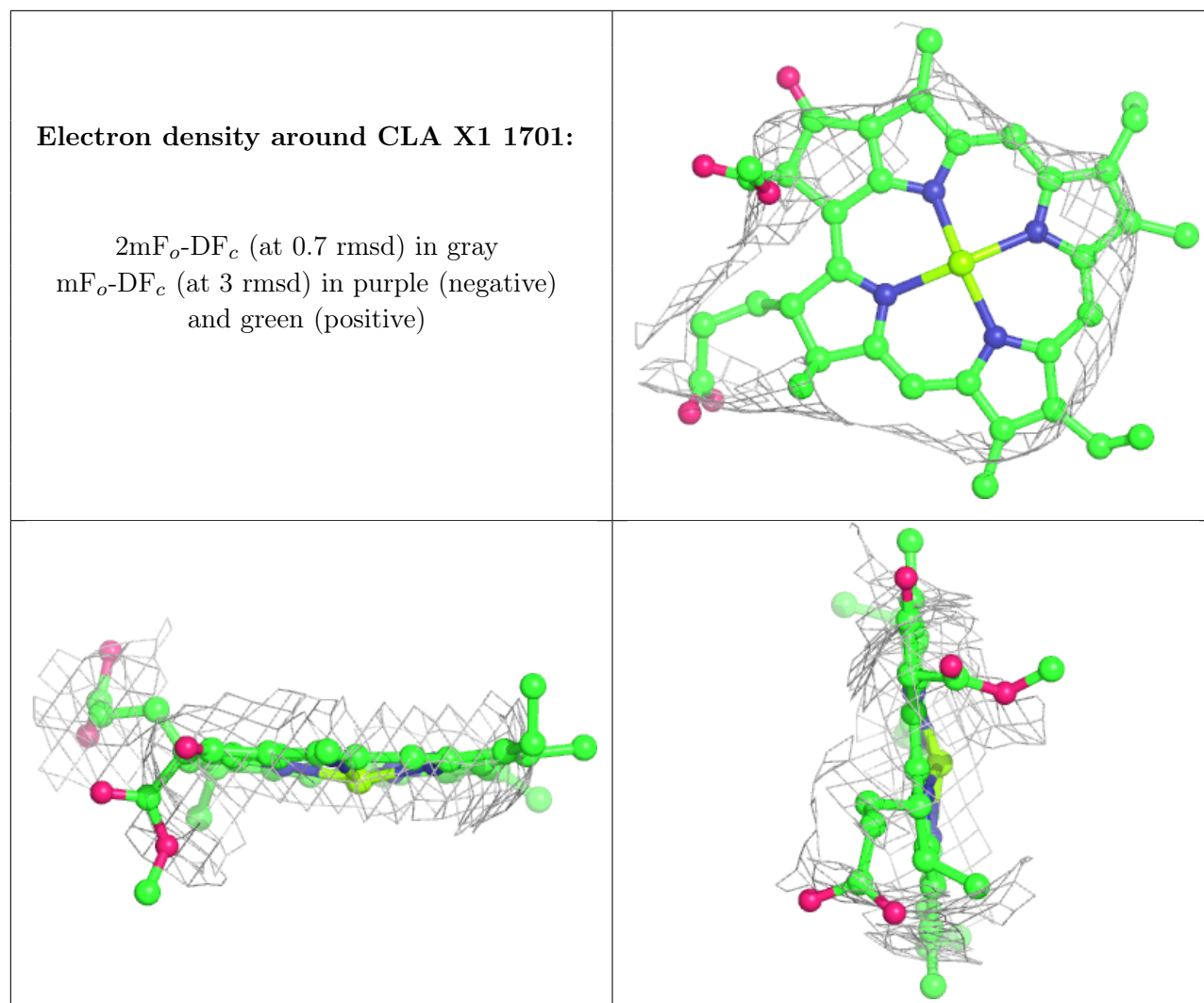




**Electron density around CLA B3 1838:**

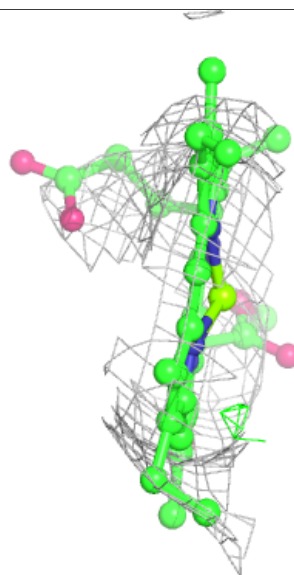
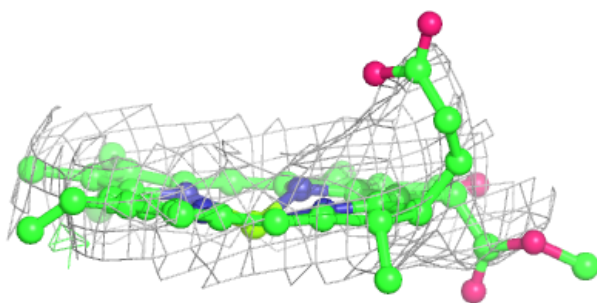
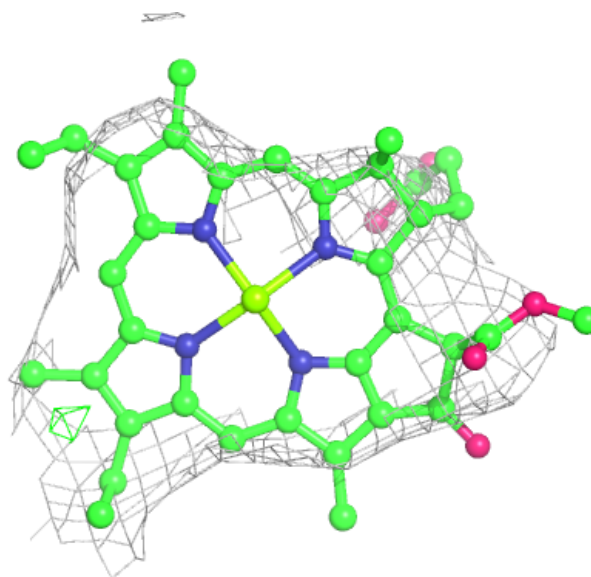
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

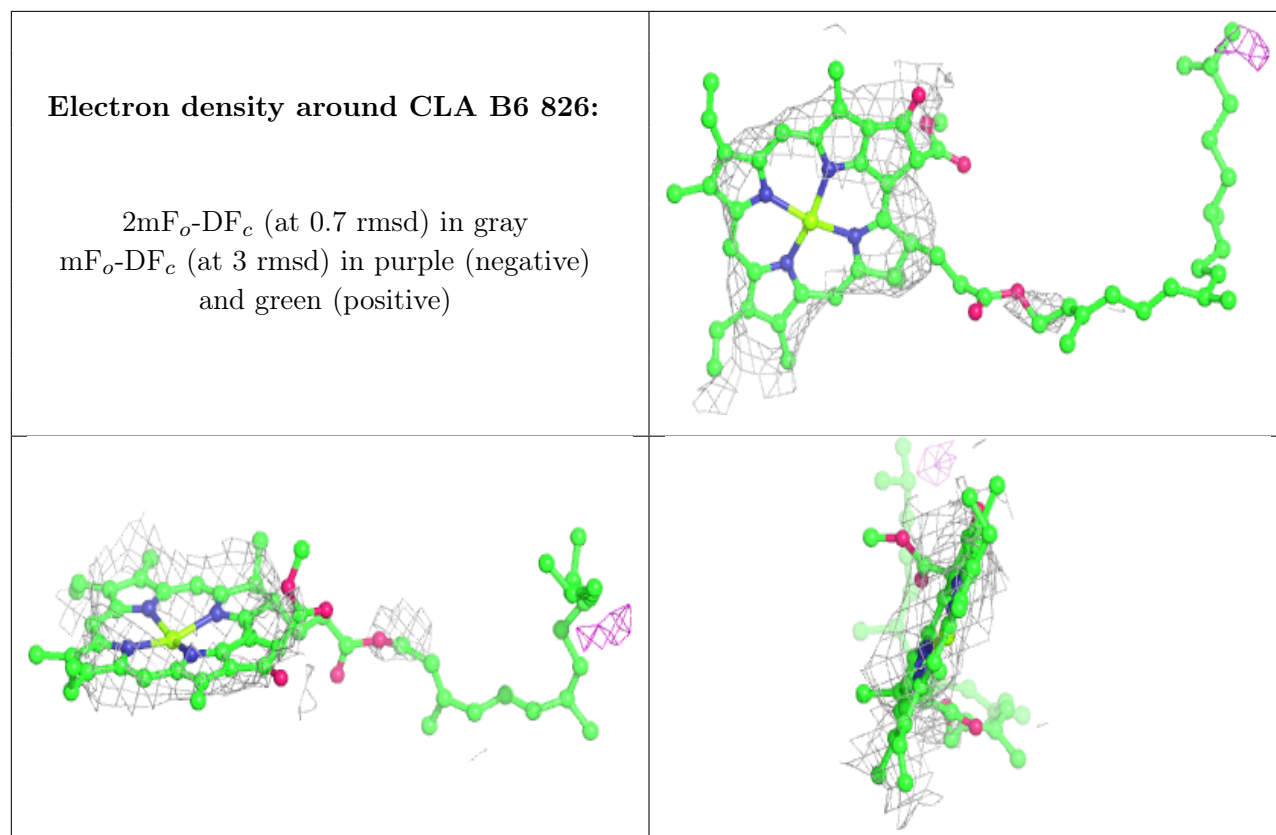




**Electron density around CLA A3 810:**

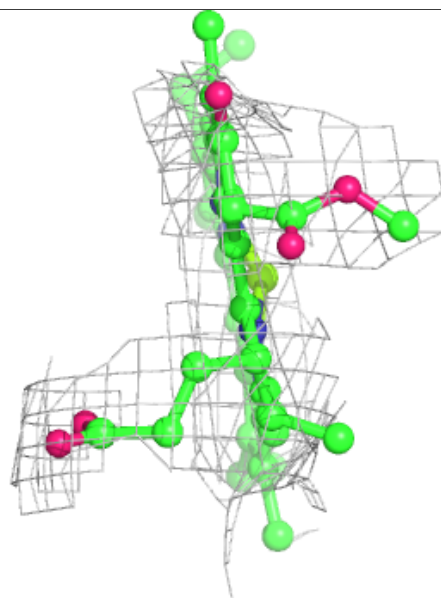
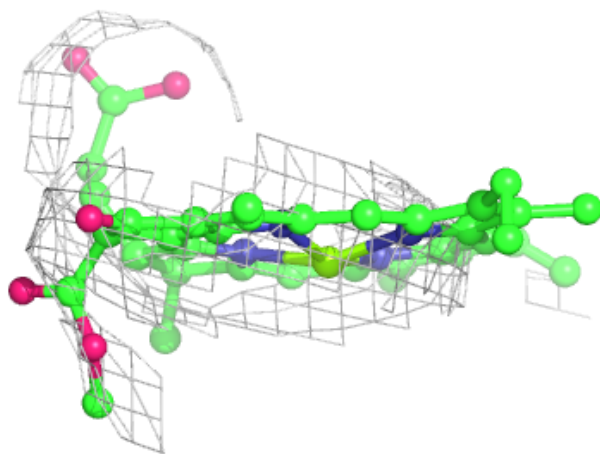
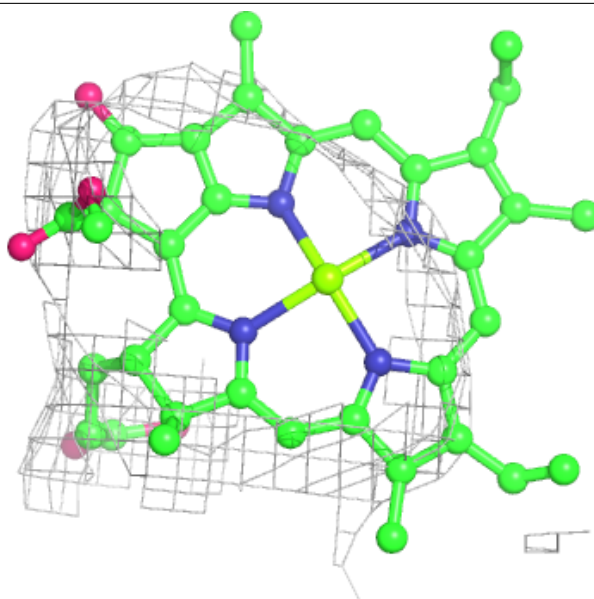
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

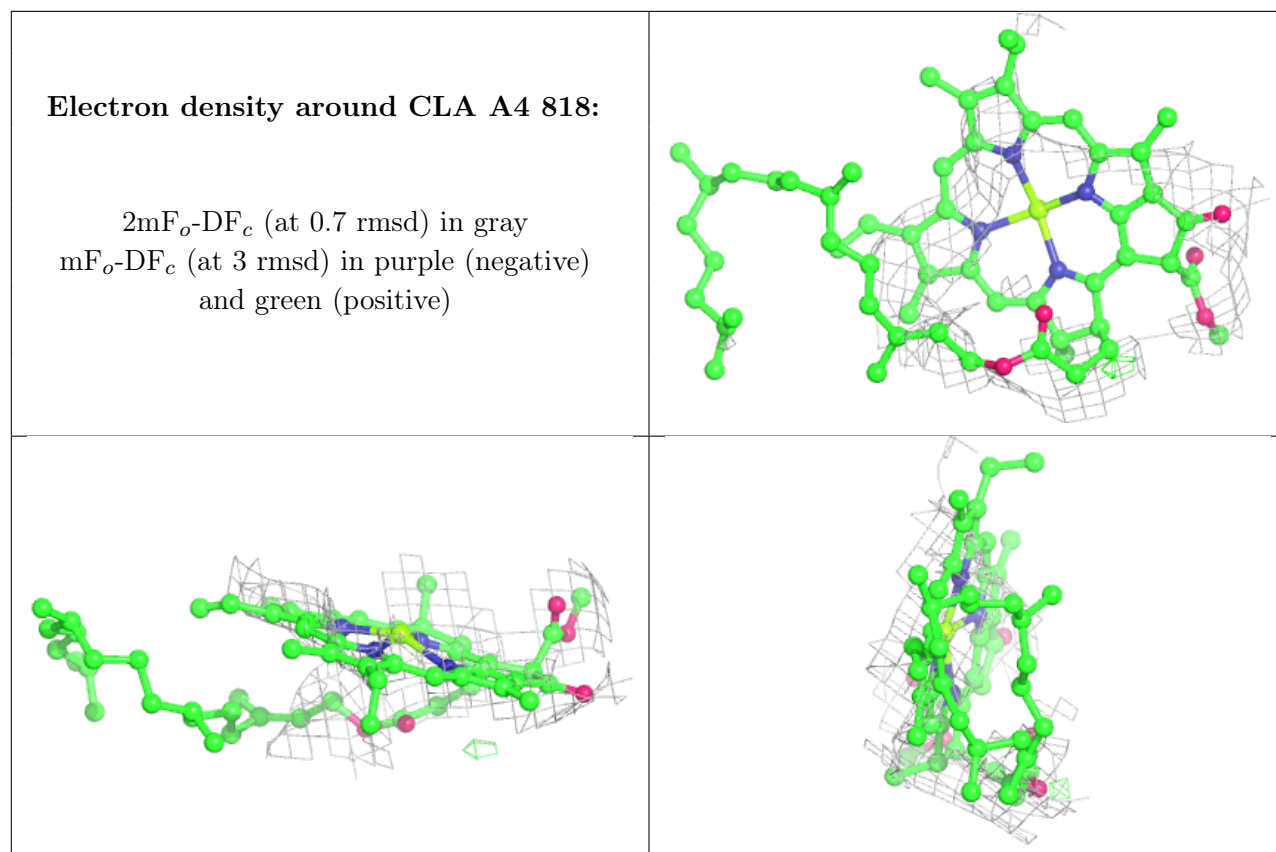




**Electron density around CLA B6 830:**

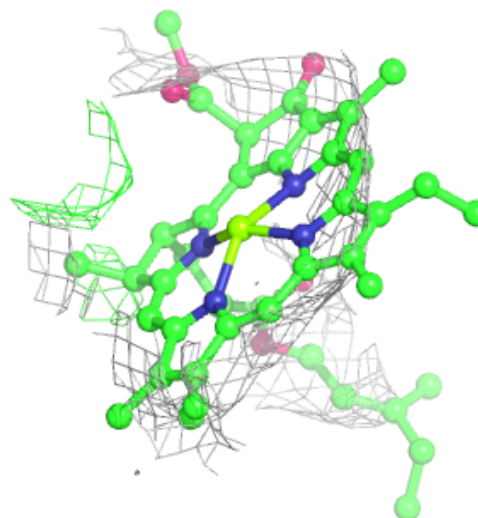
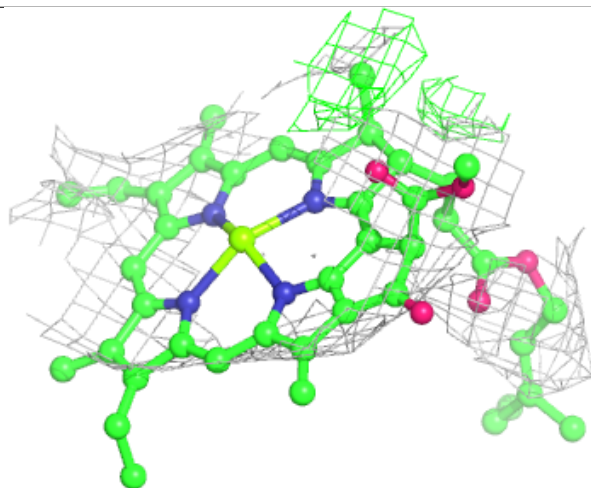
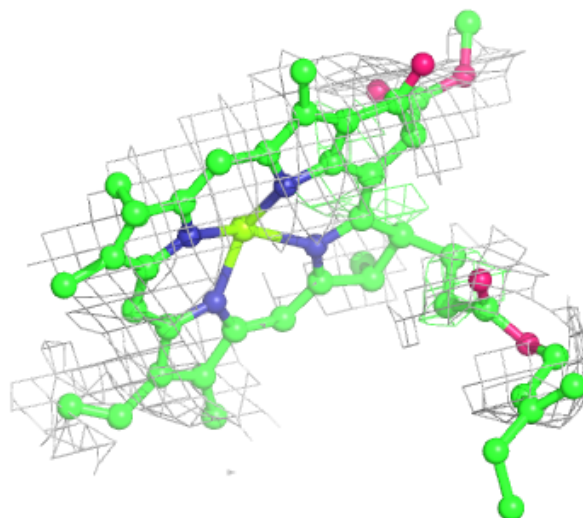
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

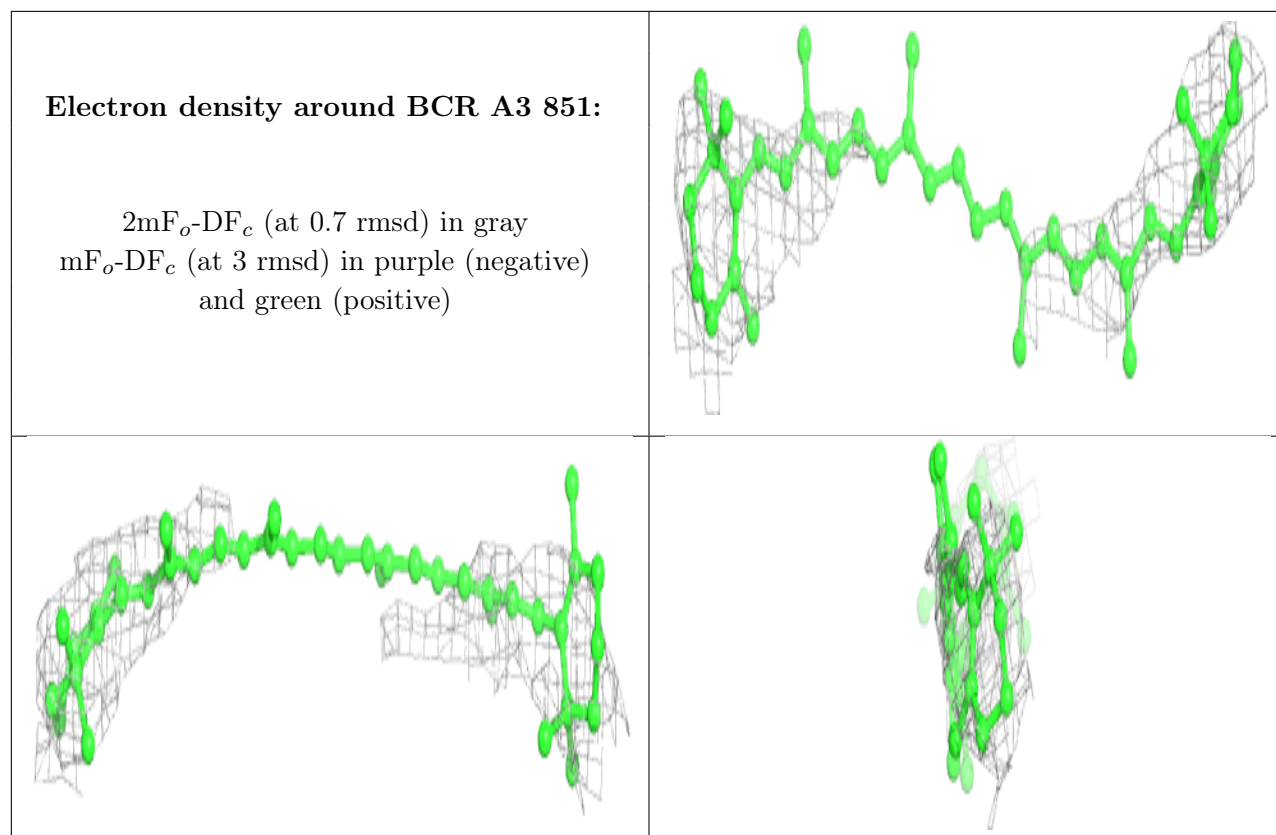




**Electron density around CLA A1 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

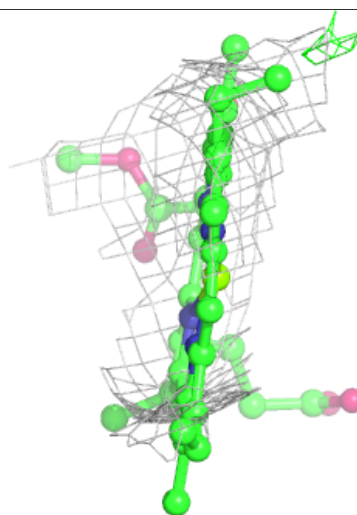
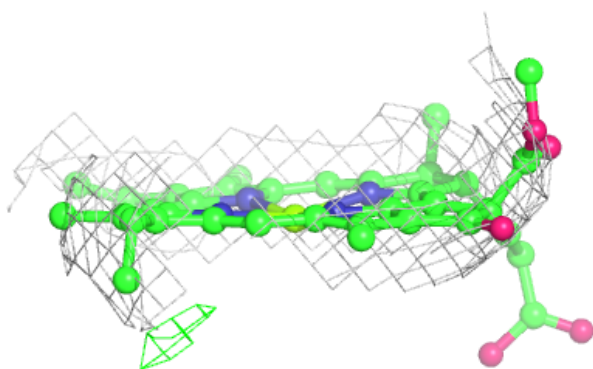
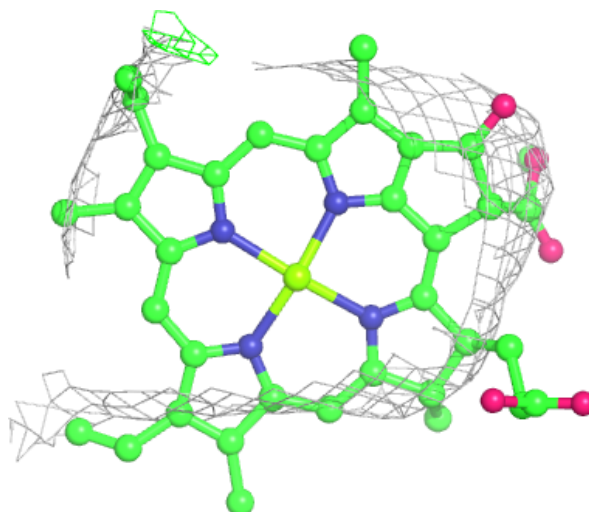






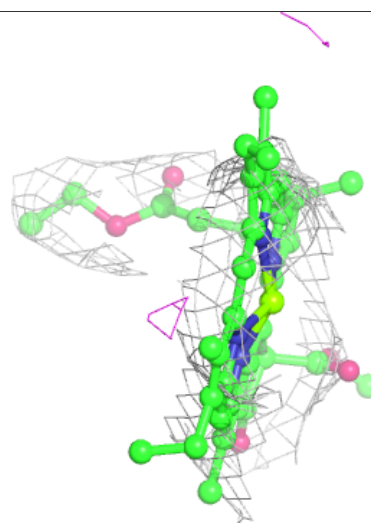
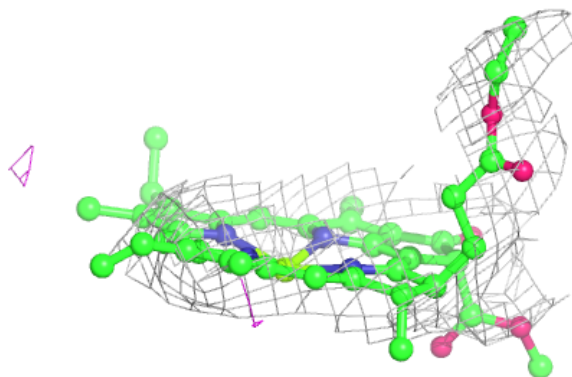
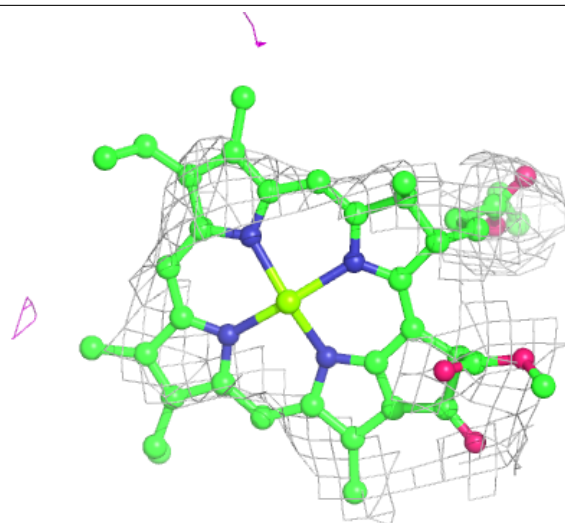
**Electron density around CLA J6 1102:**

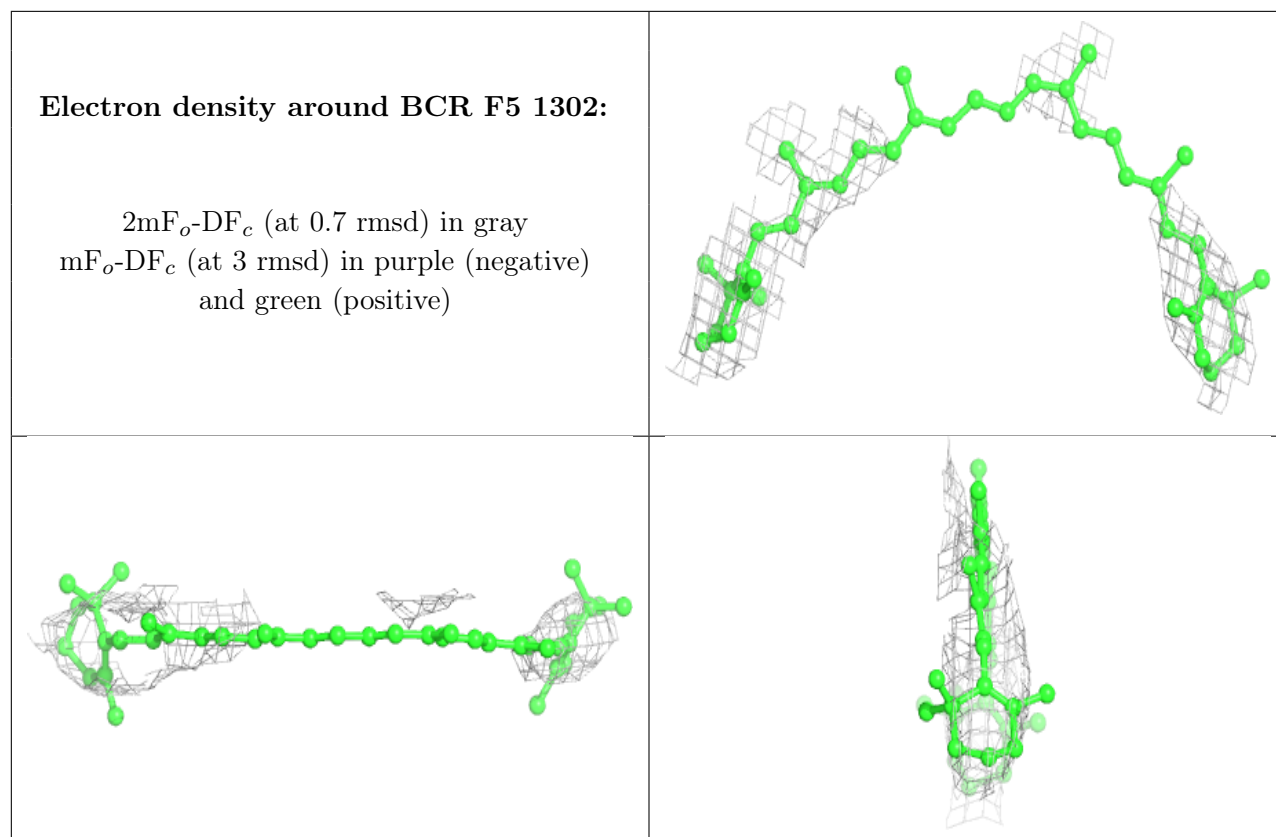
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B5 1841:**

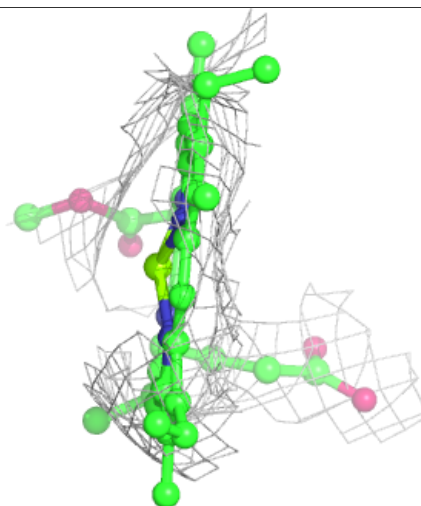
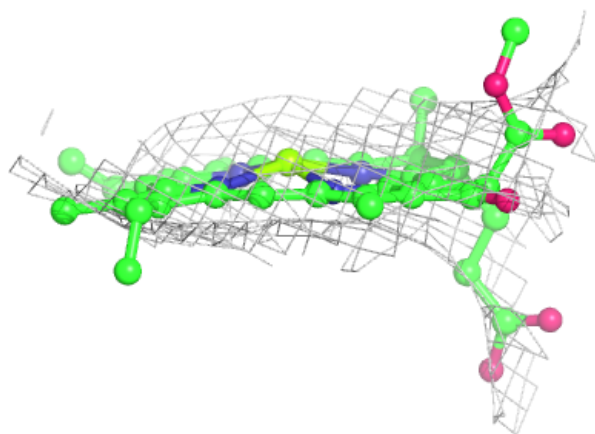
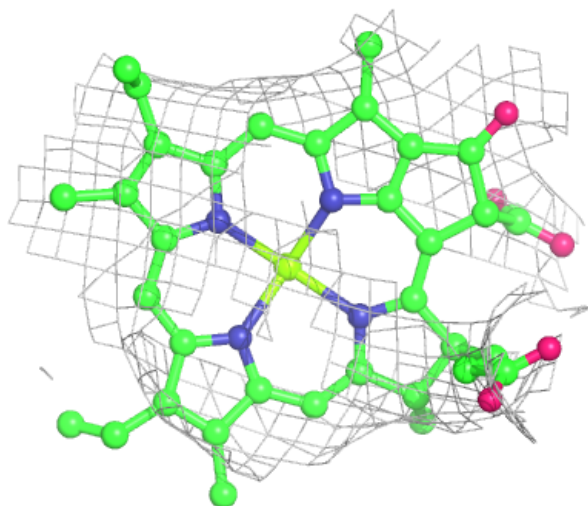
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

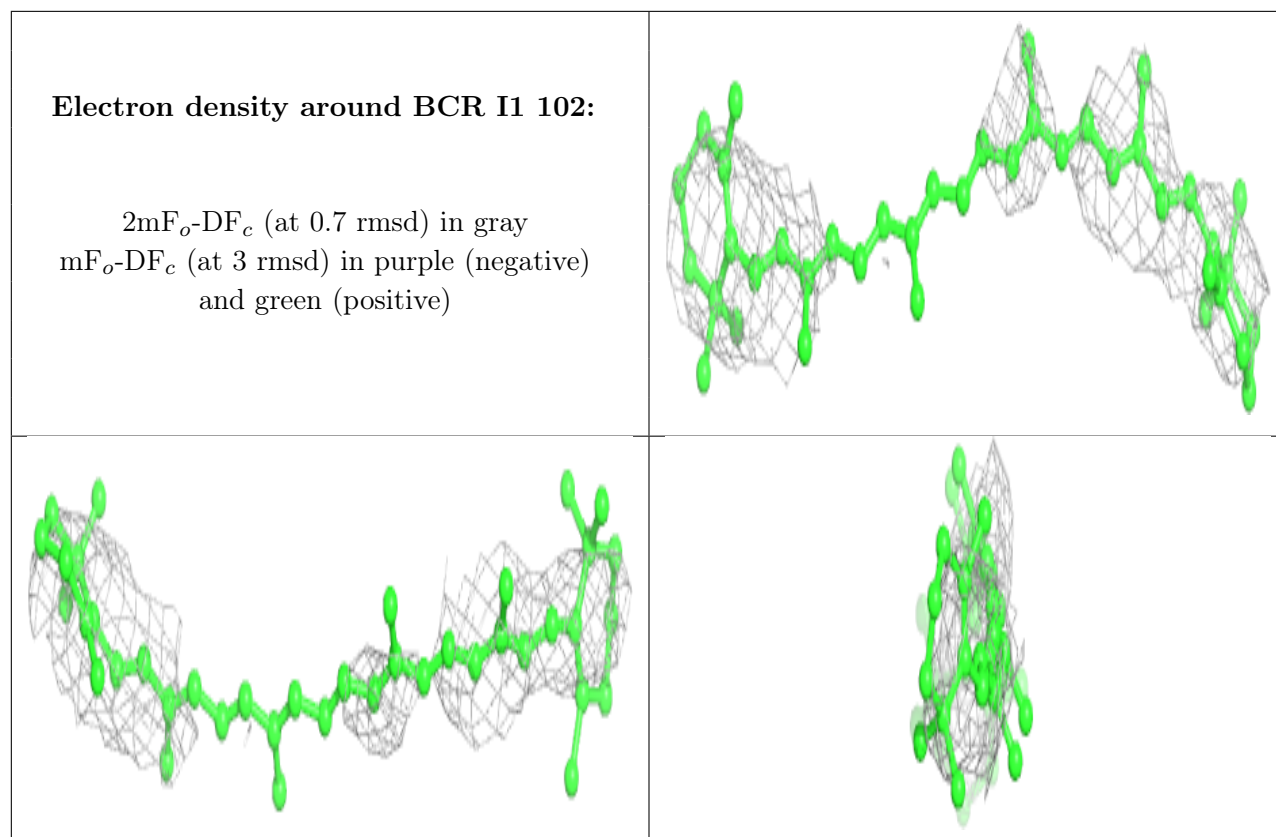




**Electron density around CLA A1 813:**

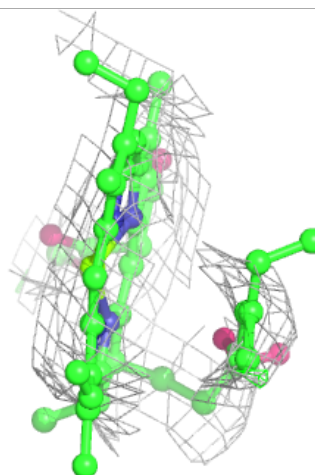
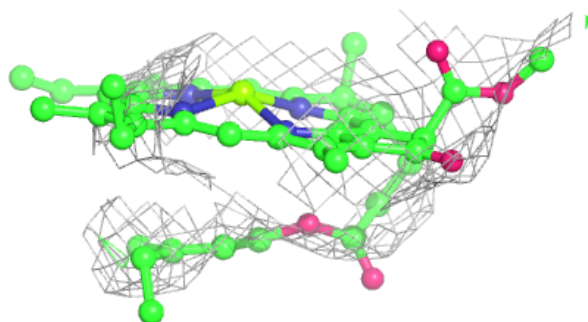
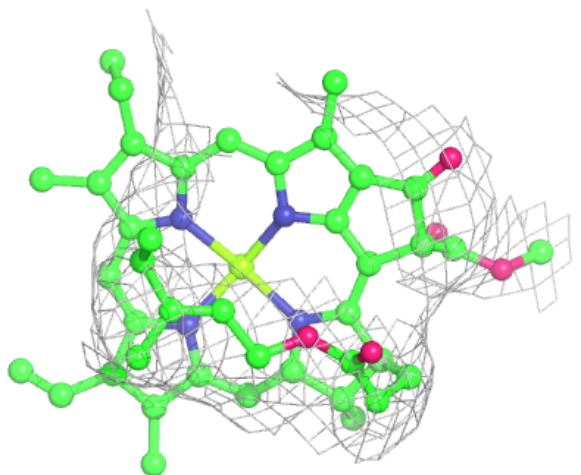
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





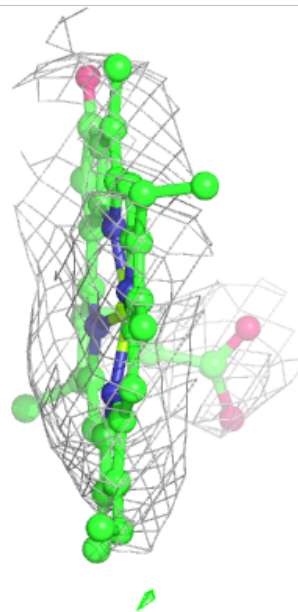
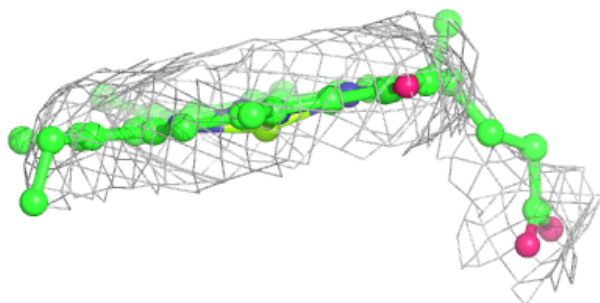
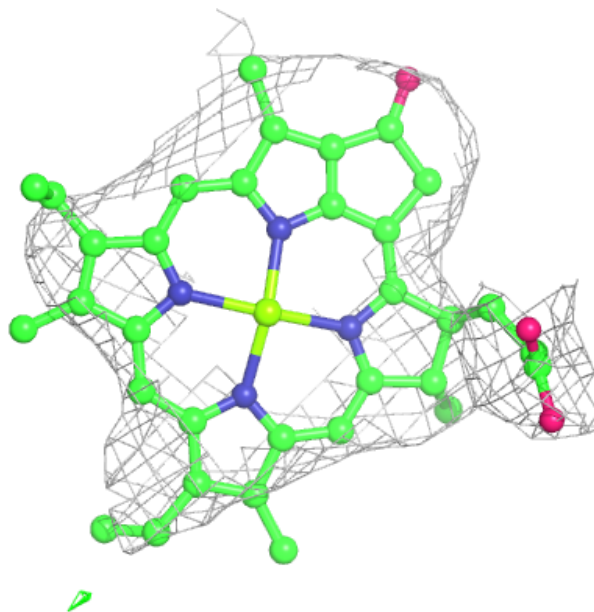
**Electron density around CLA A4 822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



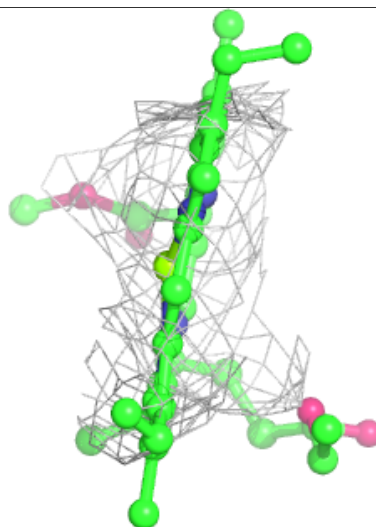
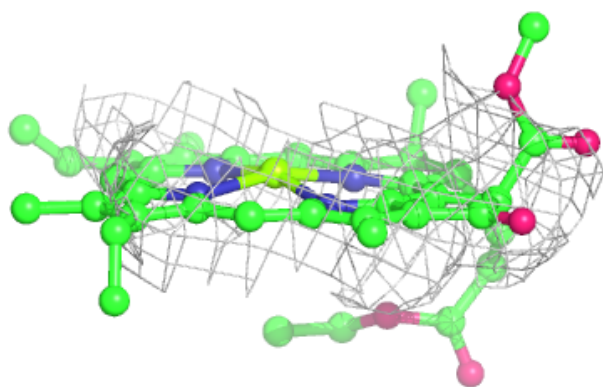
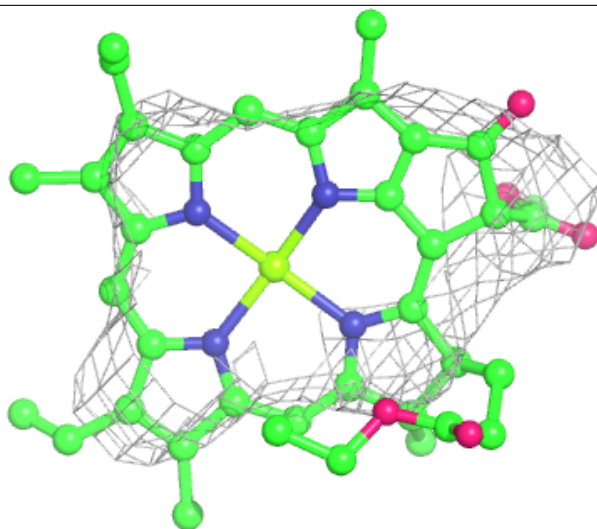
**Electron density around CLA K5 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B3 1822:**

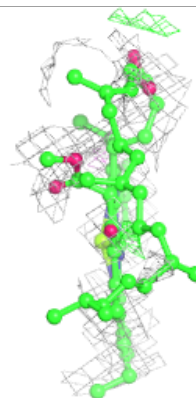
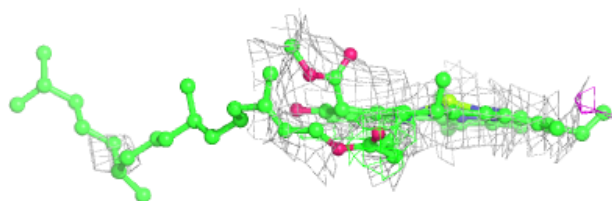
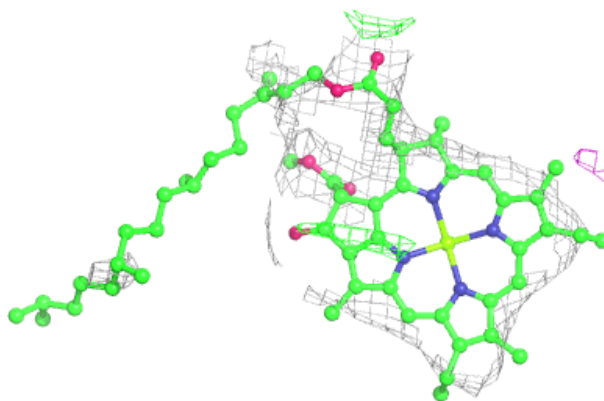
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



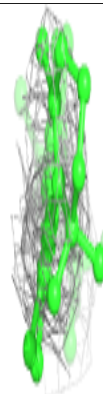
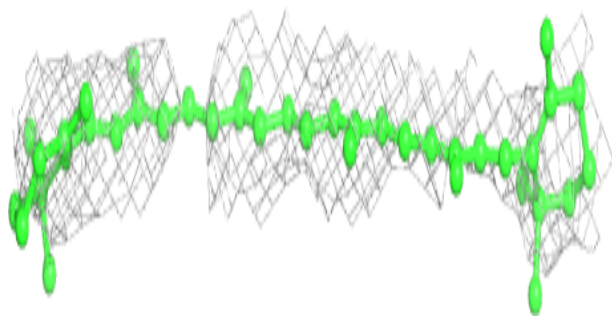
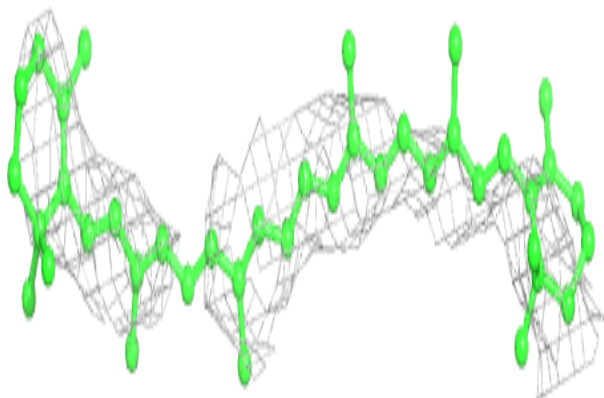


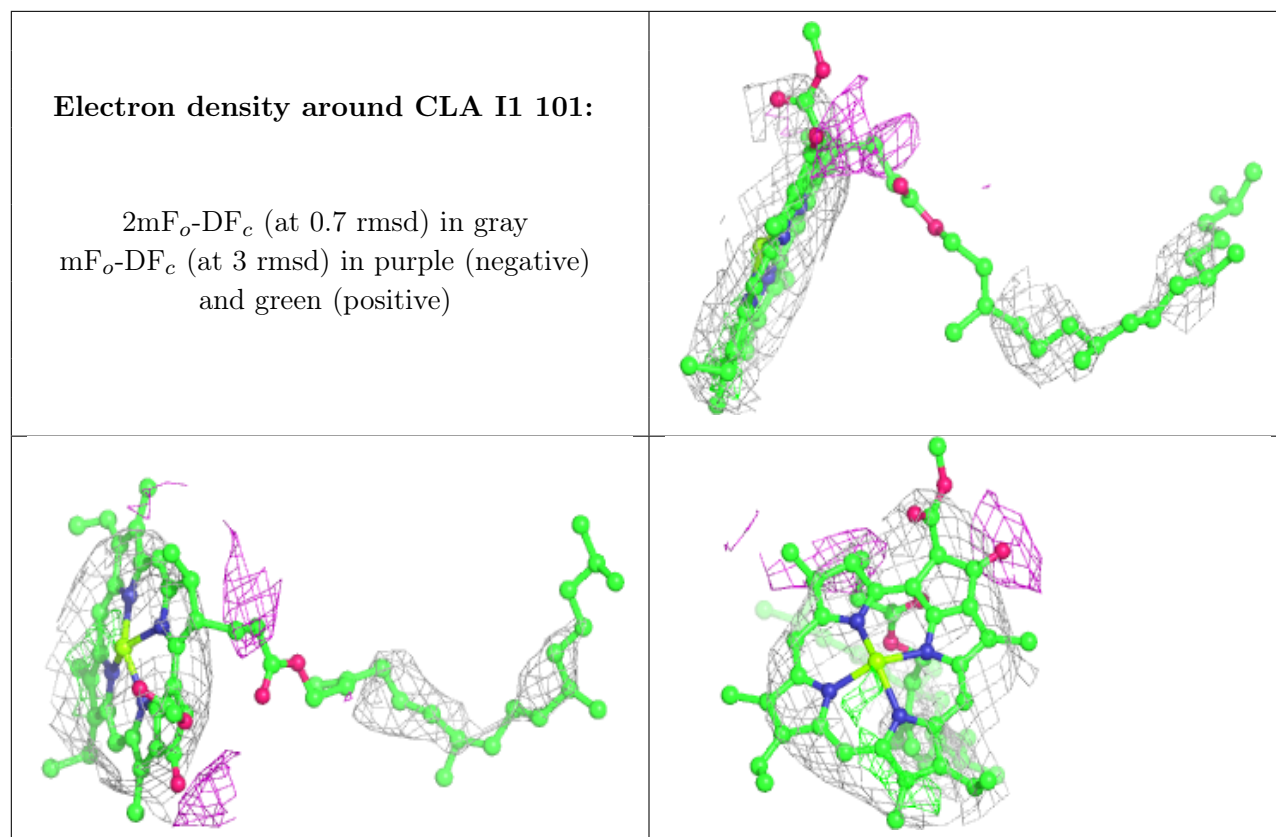
**Electron density around CLA L5 206:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR J3 103:**

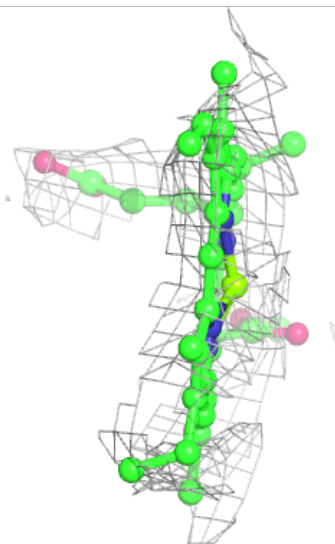
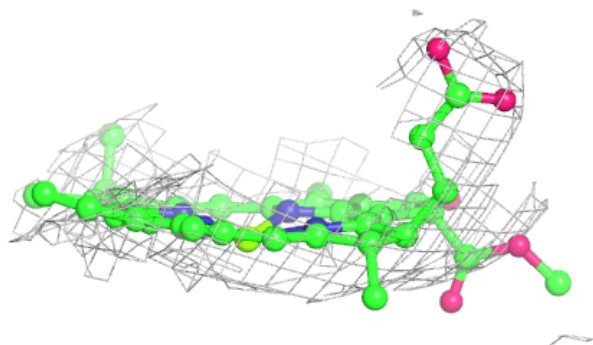
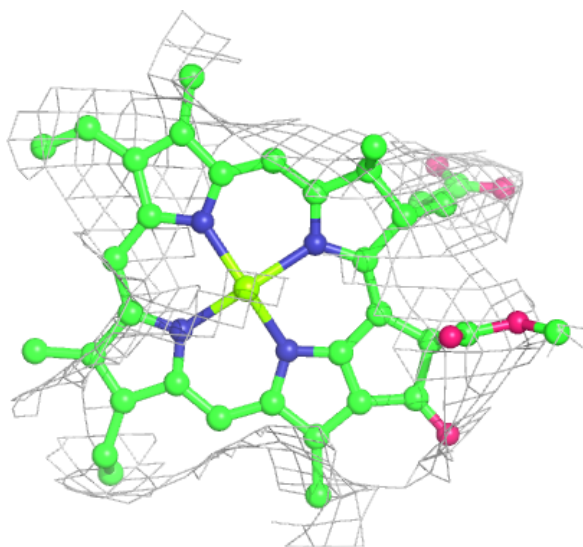
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





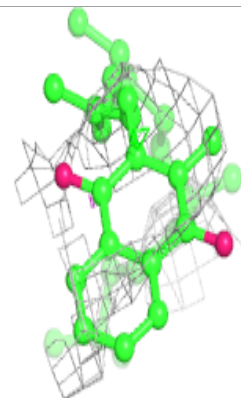
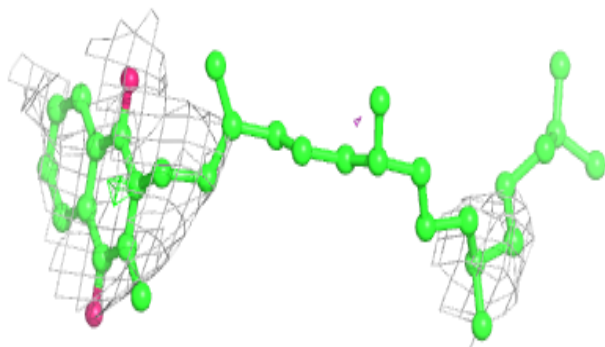
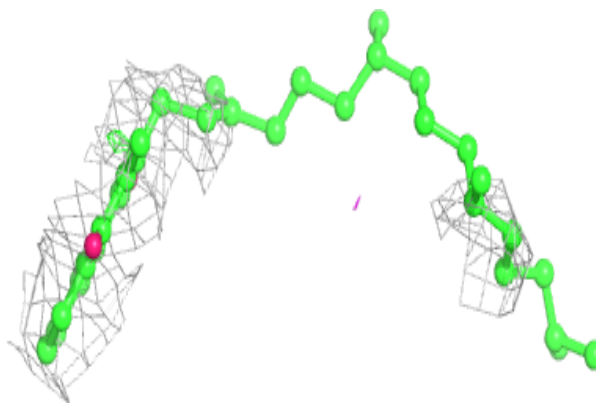
**Electron density around CLA B1 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

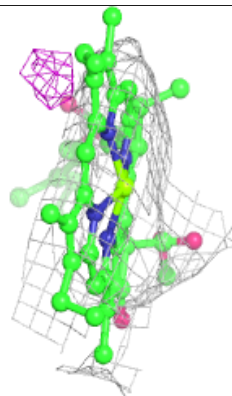
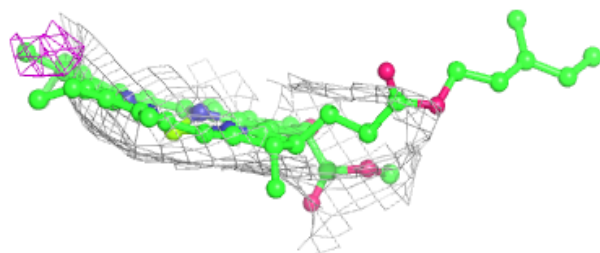
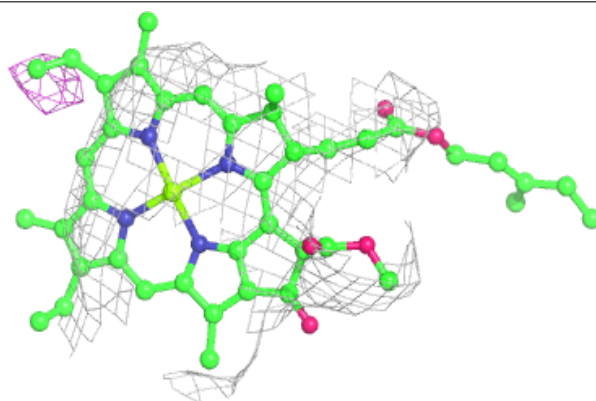


**Electron density around PQN B1 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

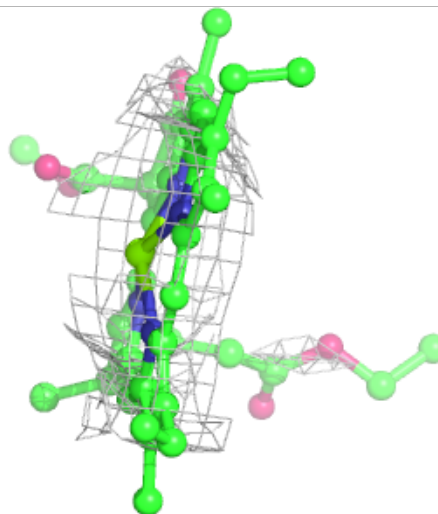
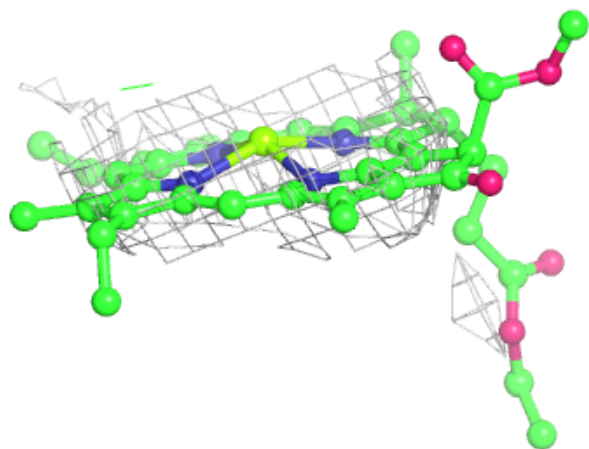
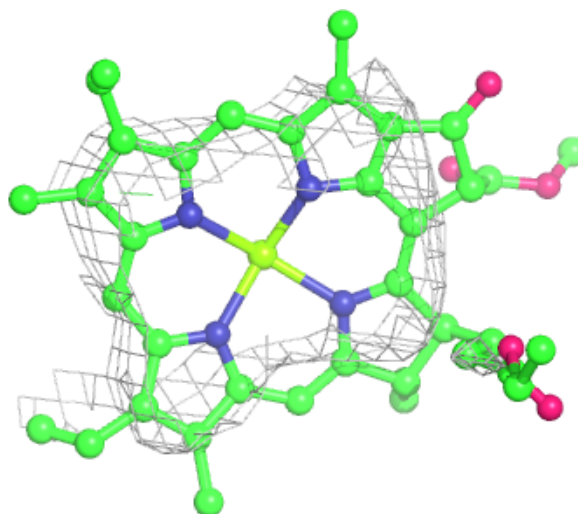
**Electron density around CLA A4 839:**

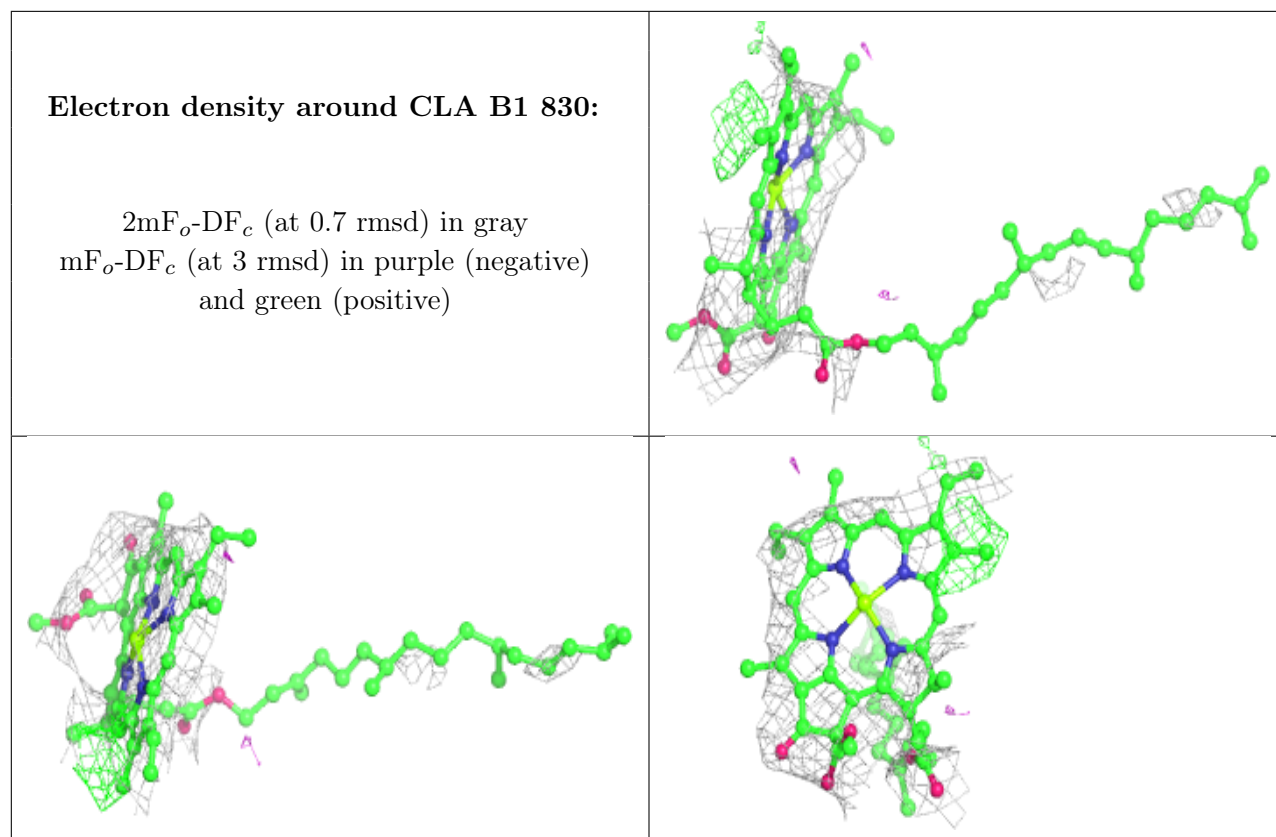
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B4 841:**

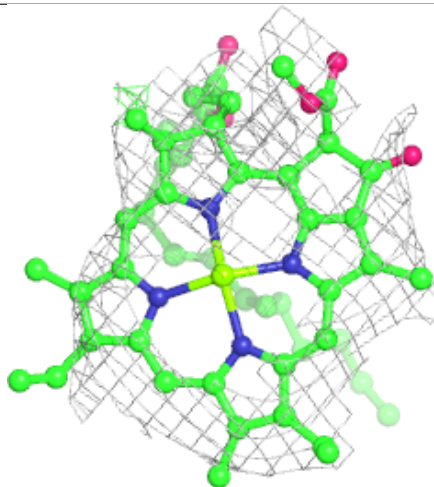
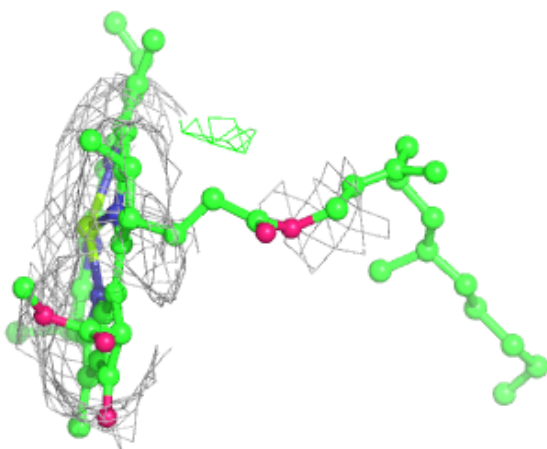
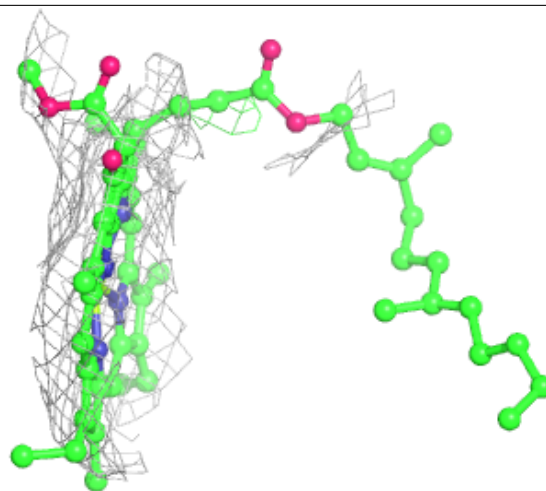
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



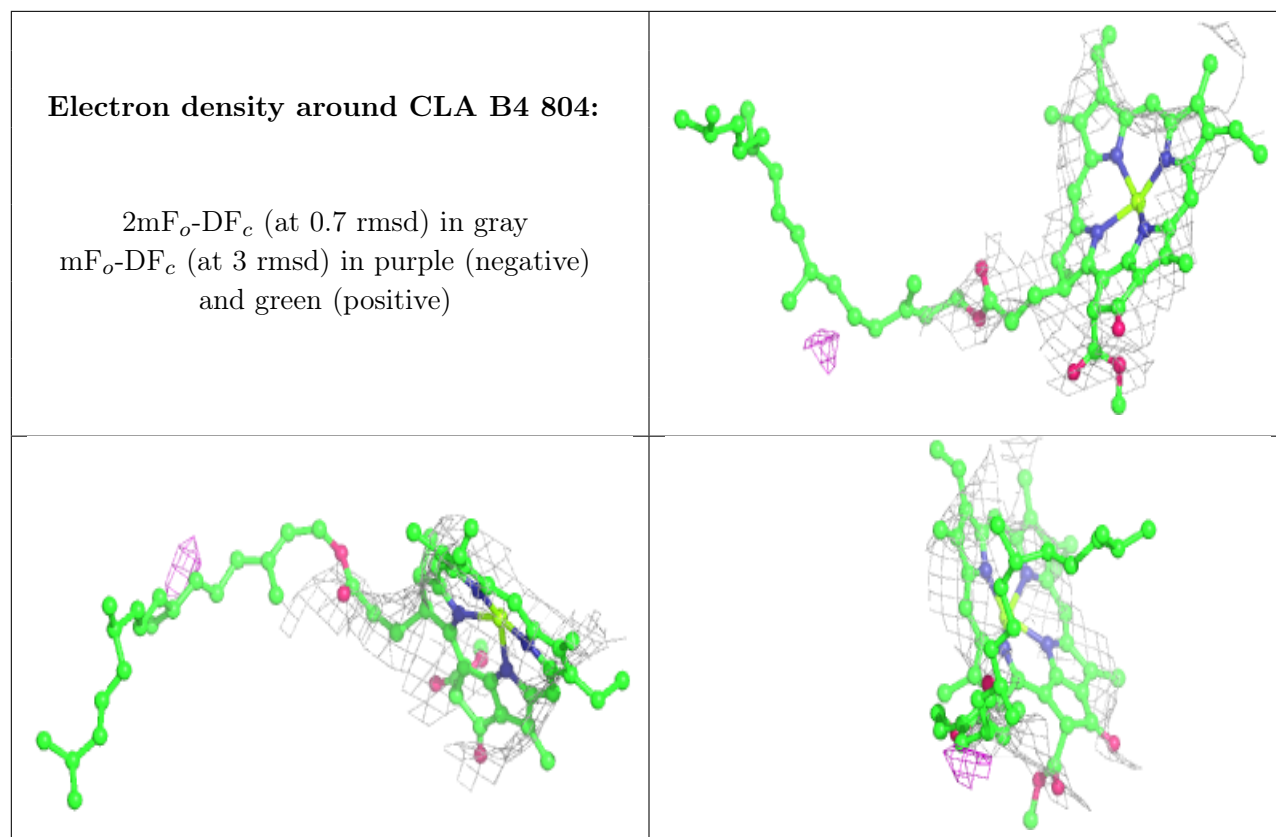


**Electron density around CLA A4 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



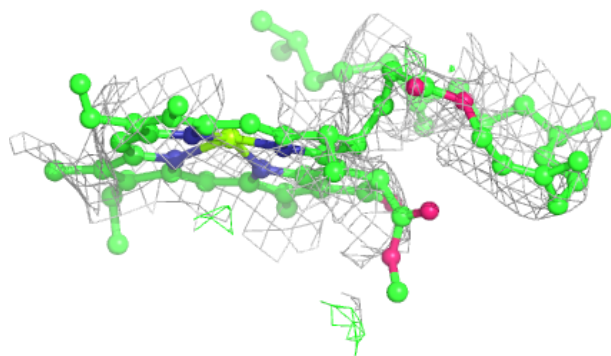
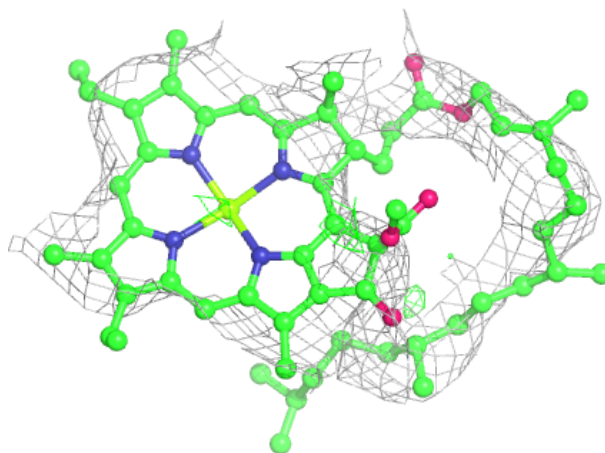






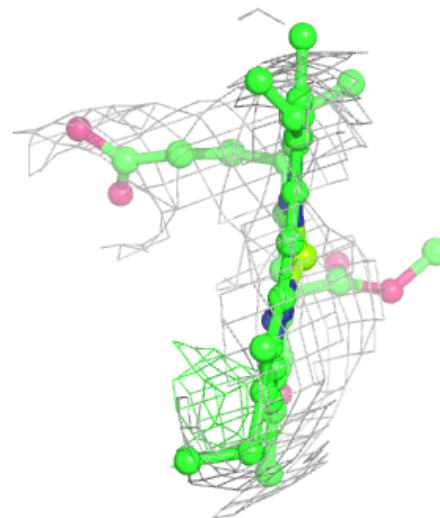
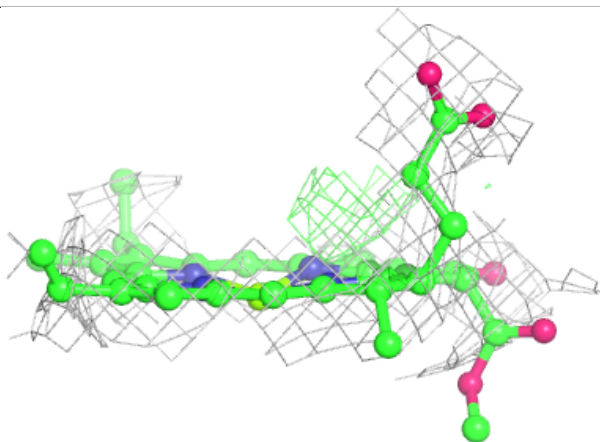
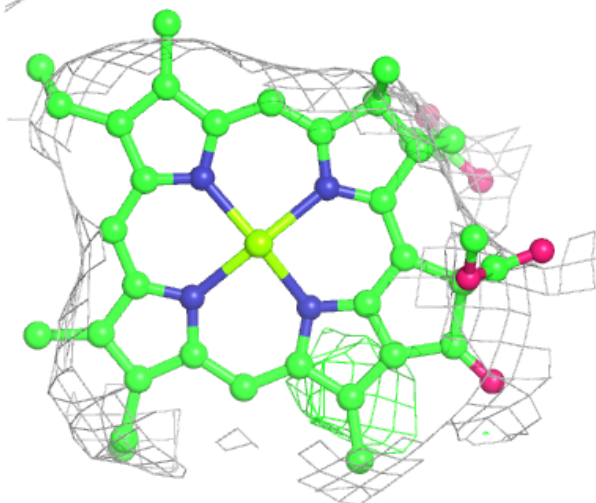
**Electron density around CLA B1 807:**

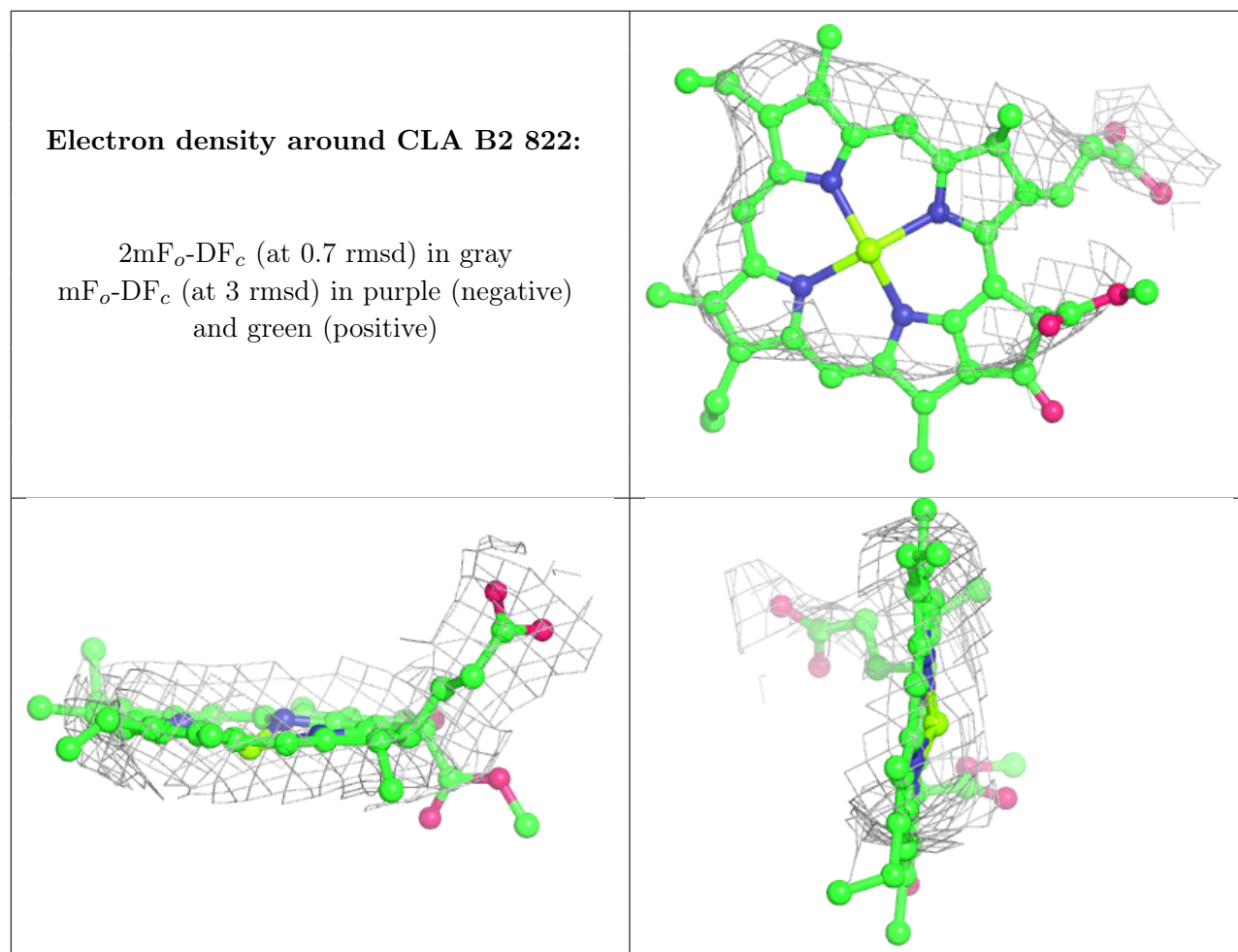
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A2 1617:**

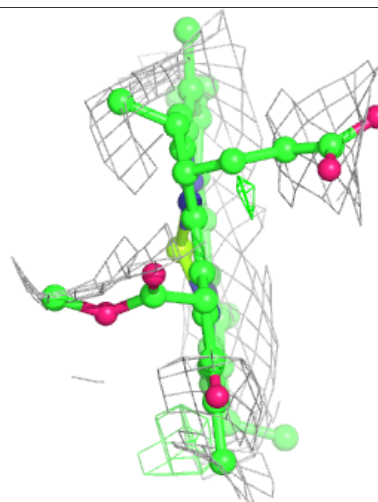
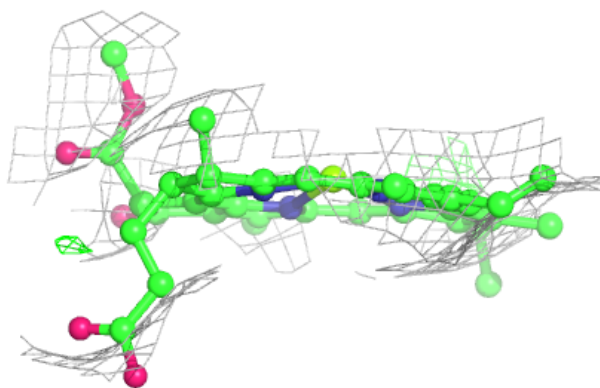
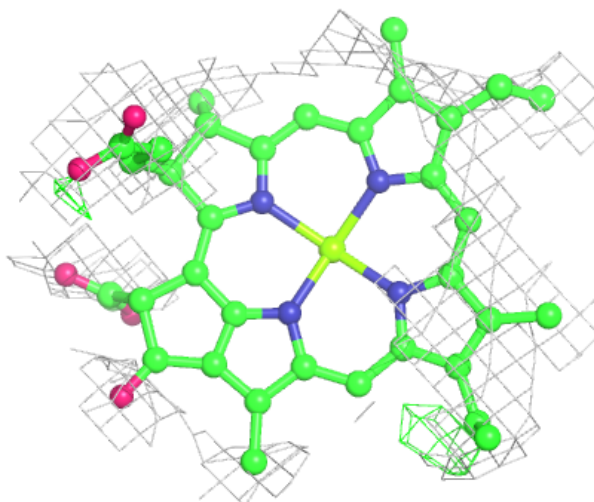
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

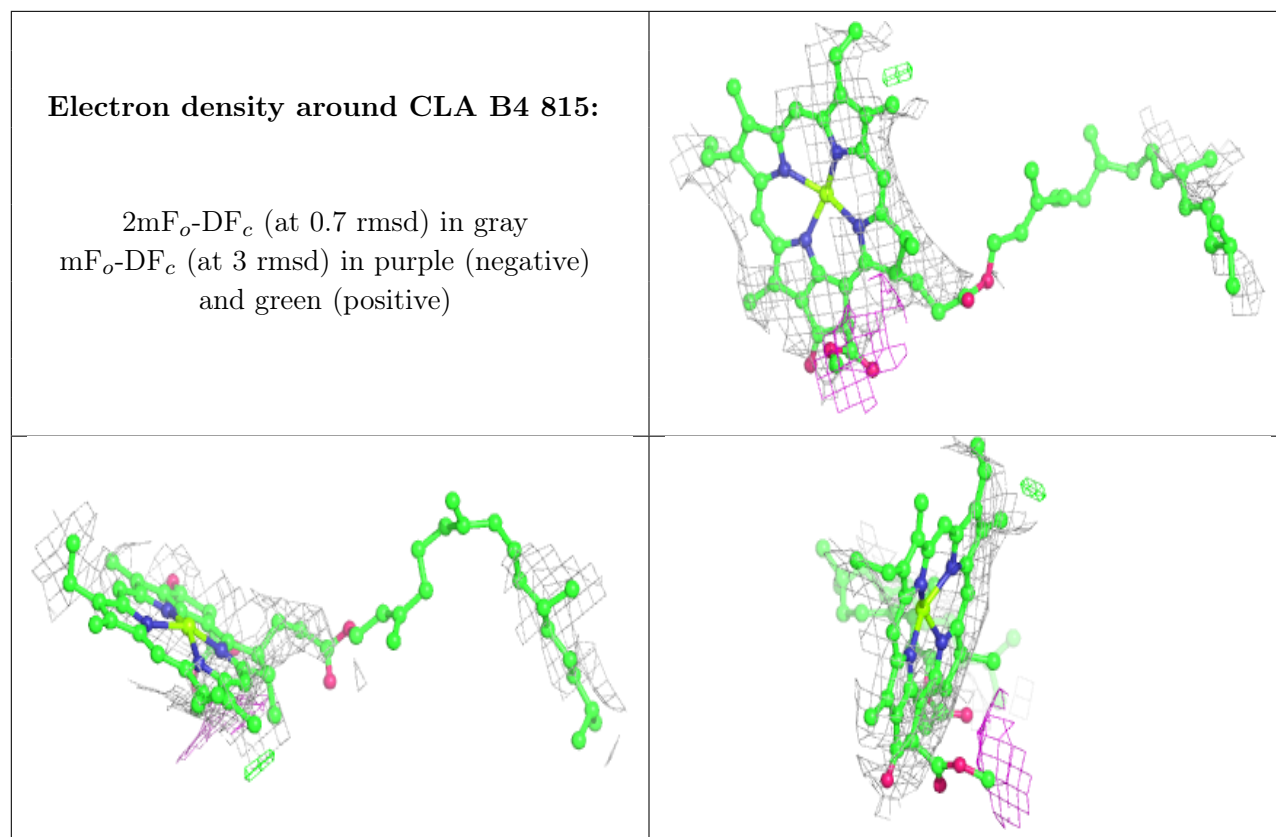




**Electron density around CLA A4 813:**

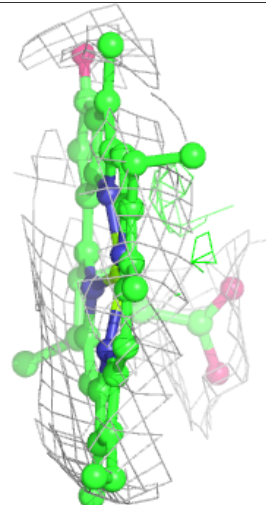
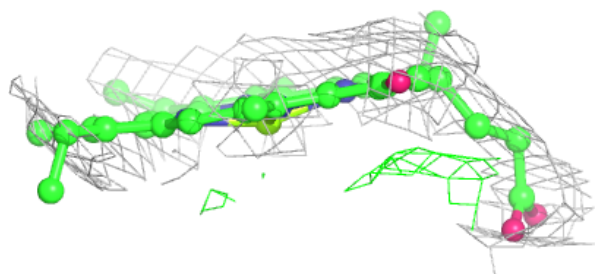
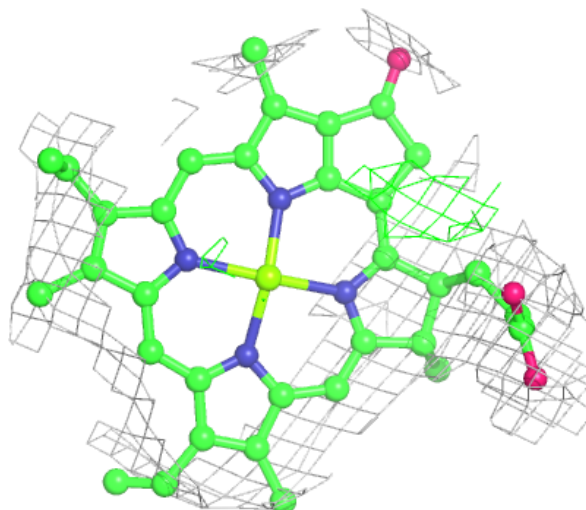
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





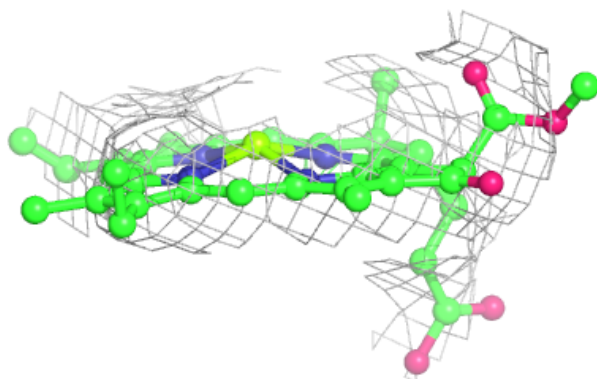
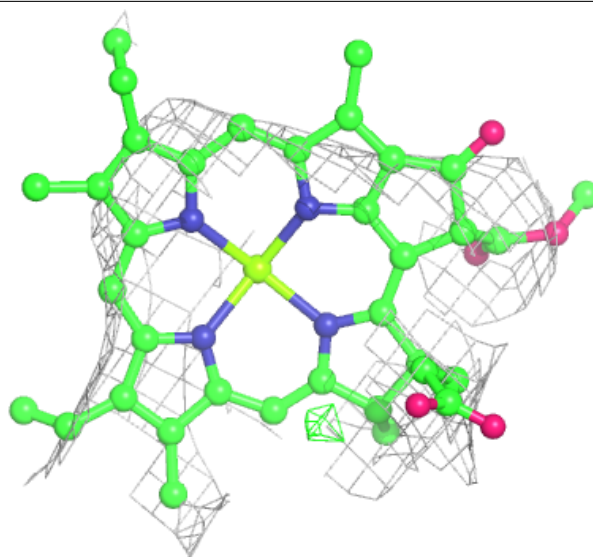
**Electron density around CLA A6 1641:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B6 811:**

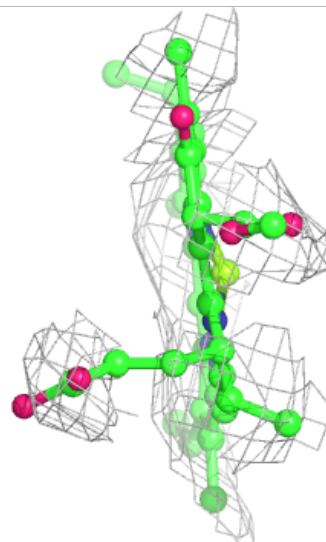
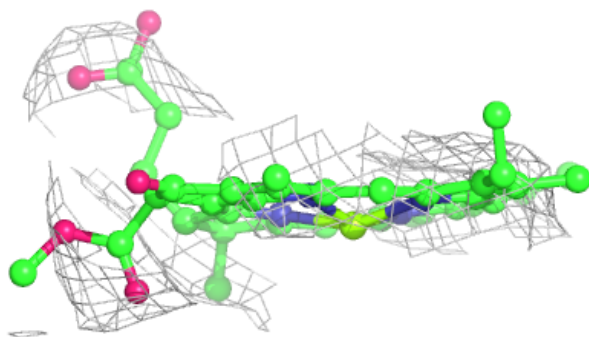
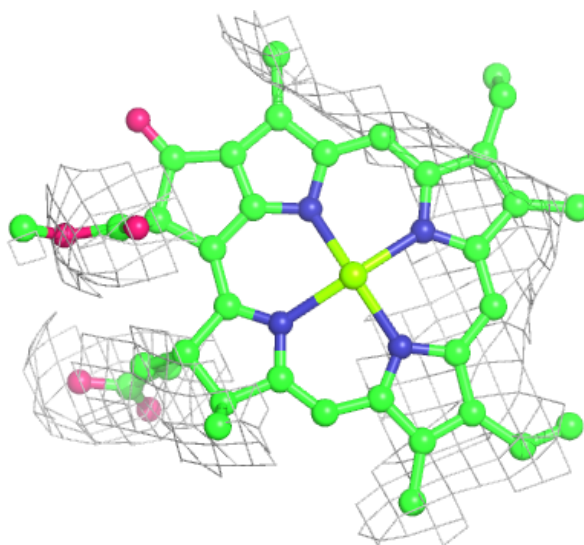
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



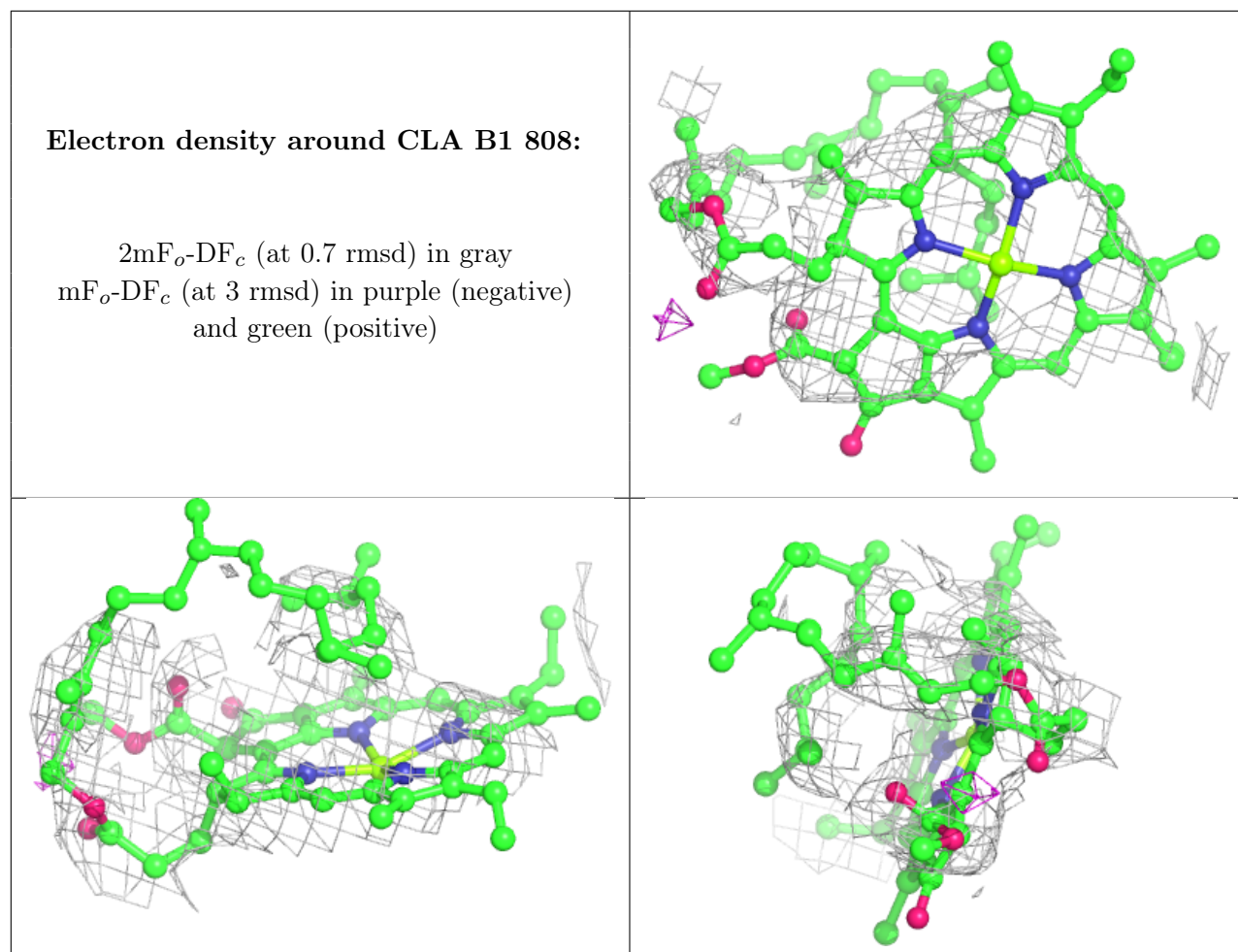


**Electron density around CLA B3 1837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

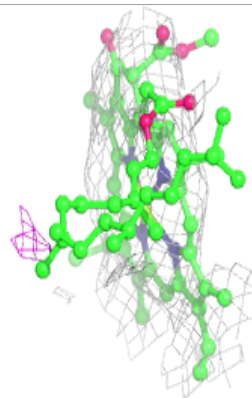
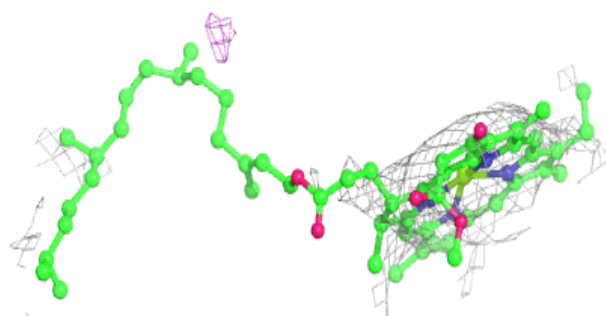
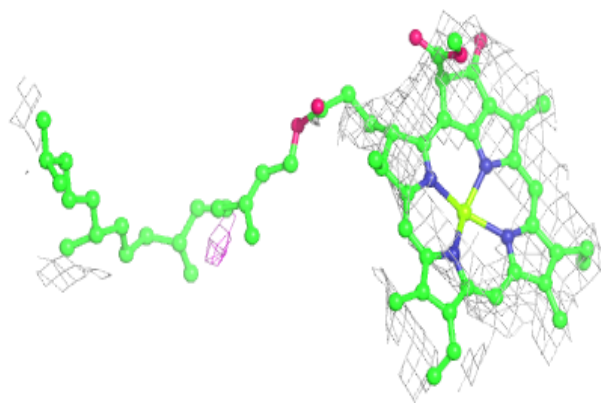




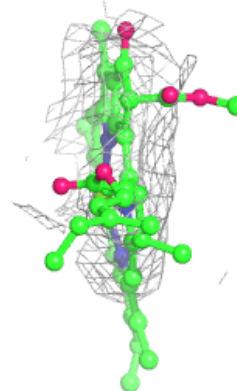
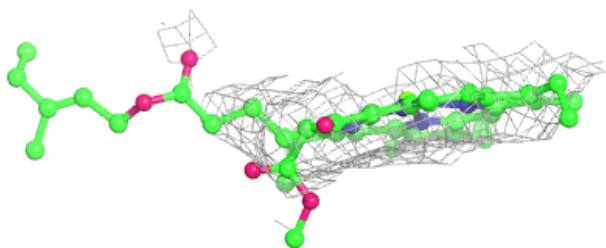
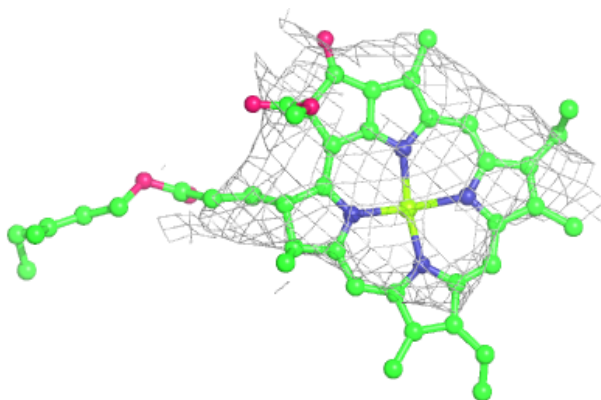


**Electron density around CLA B3 1815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

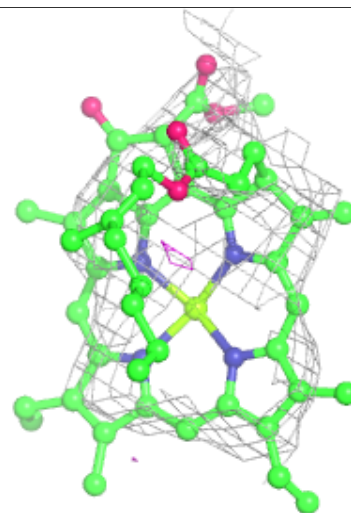
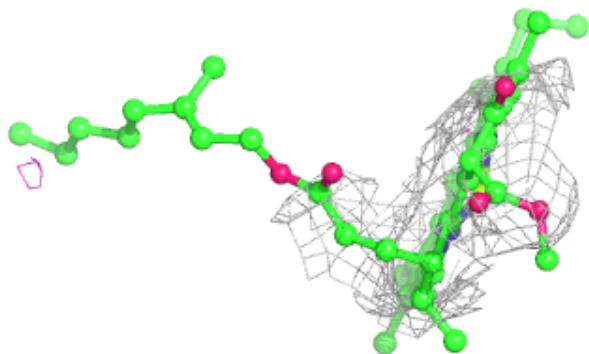
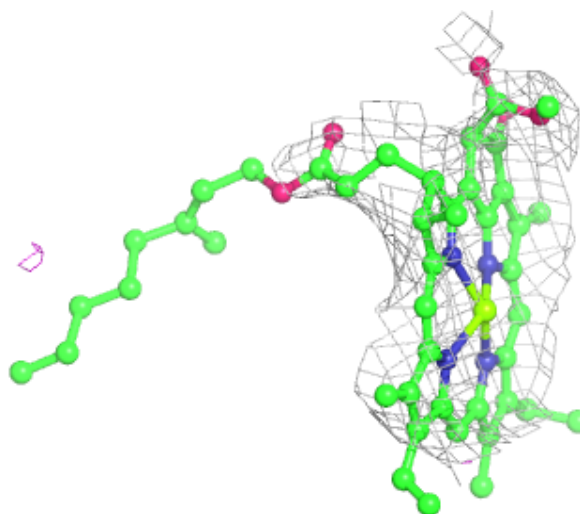
**Electron density around CLA A4 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



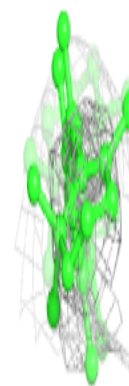
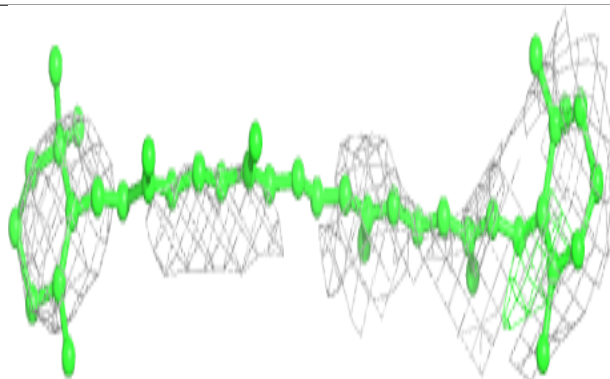
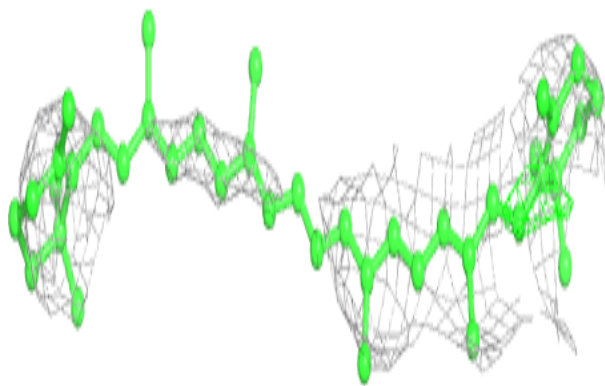
**Electron density around CLA M1 1201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

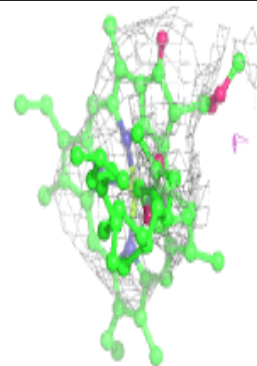
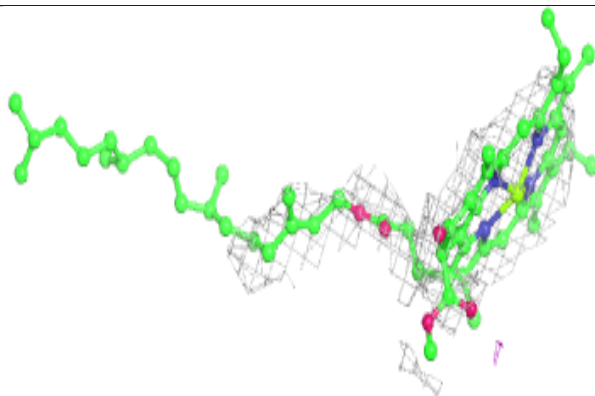
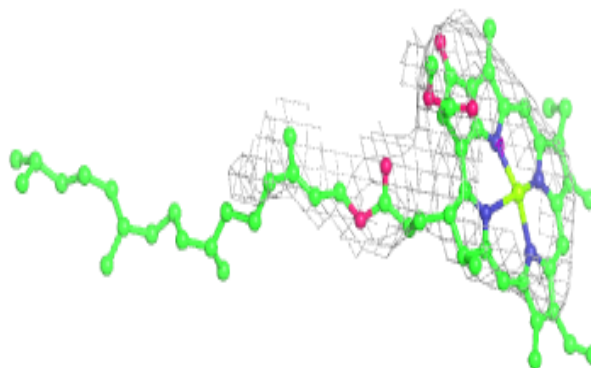


**Electron density around BCR A3 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

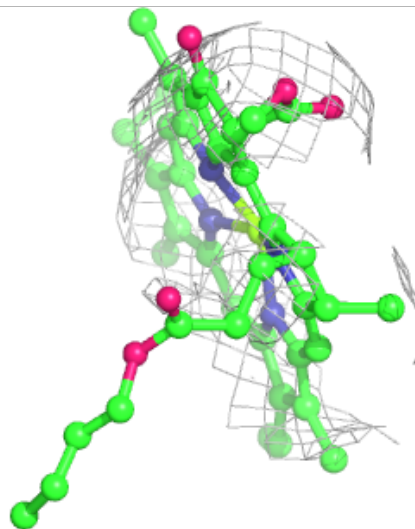
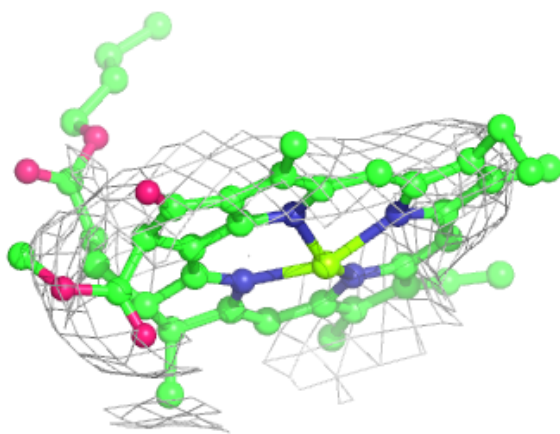
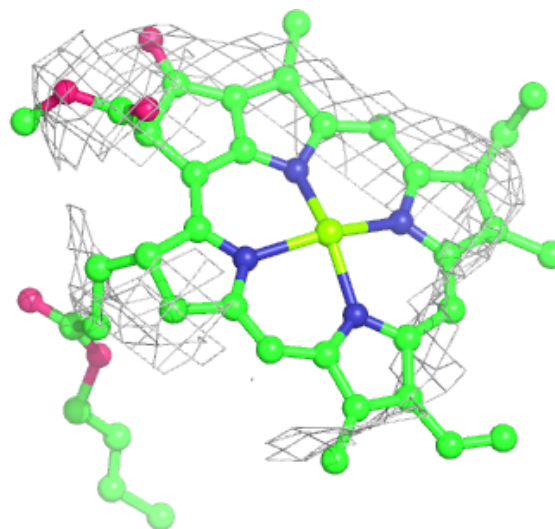
**Electron density around CLA A6 1609:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



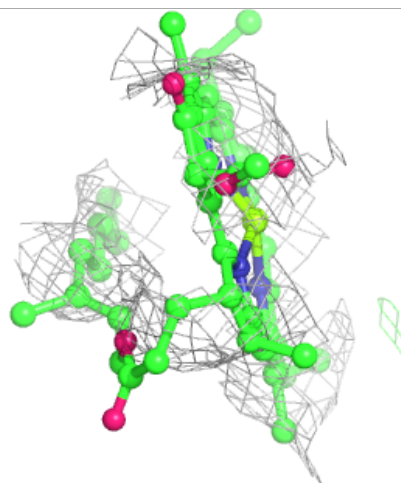
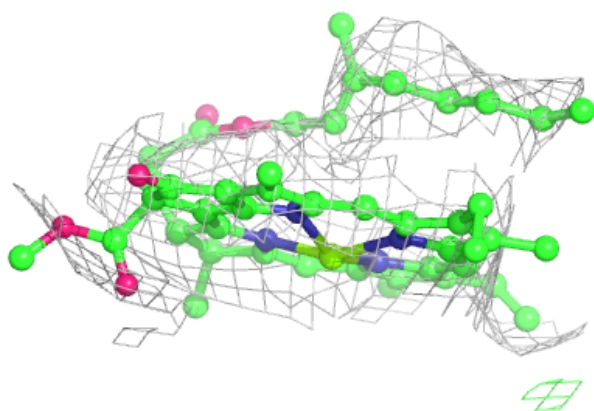
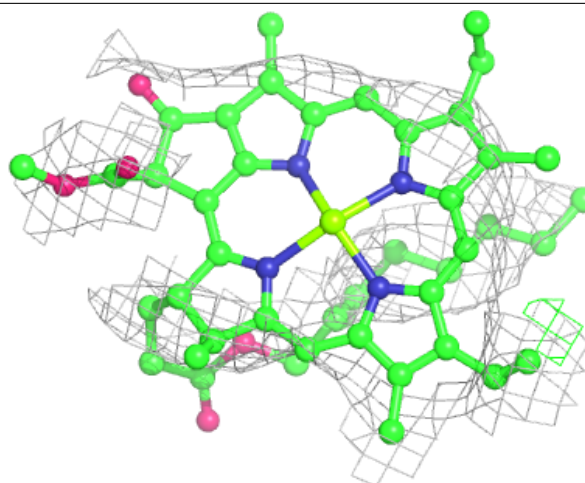
**Electron density around CLA A3 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A4 817:**

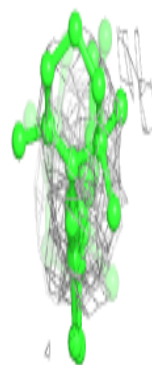
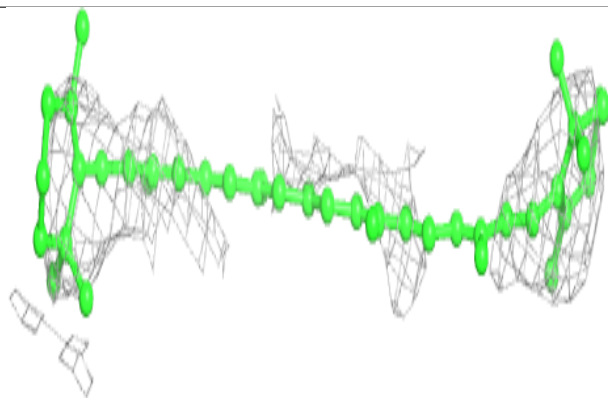
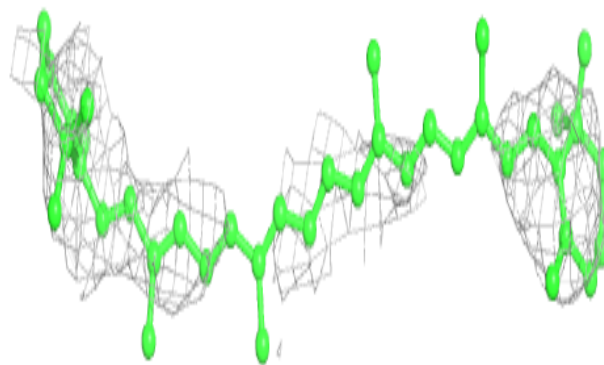
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



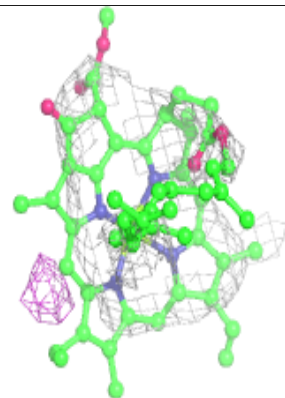
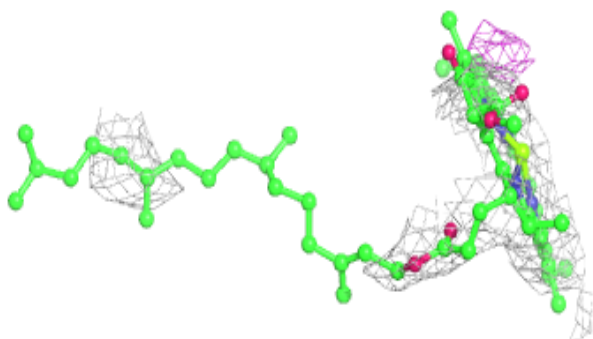
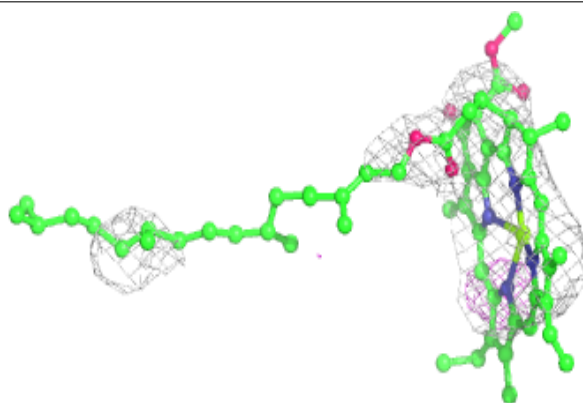


**Electron density around BCR A3 856:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

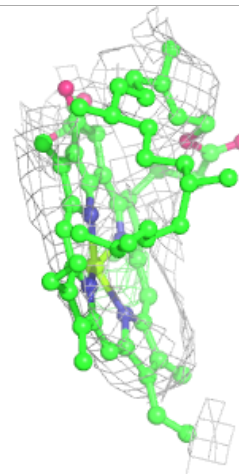
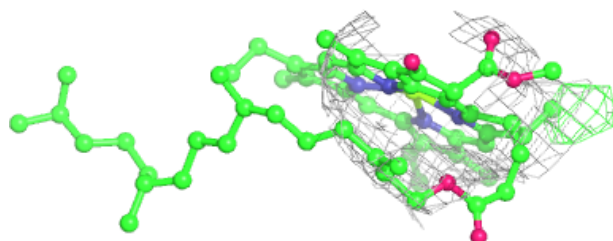
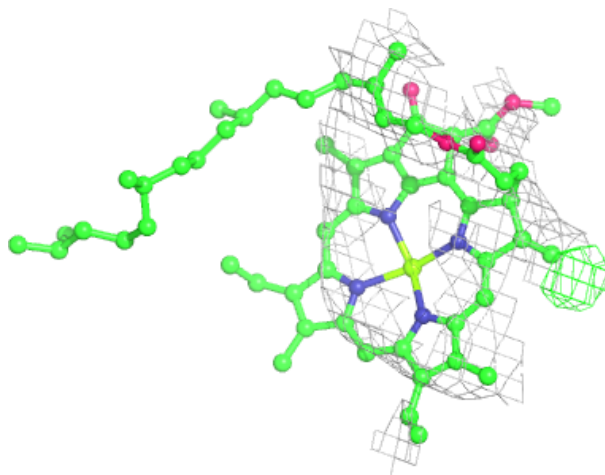
**Electron density around CLA B5 1830:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

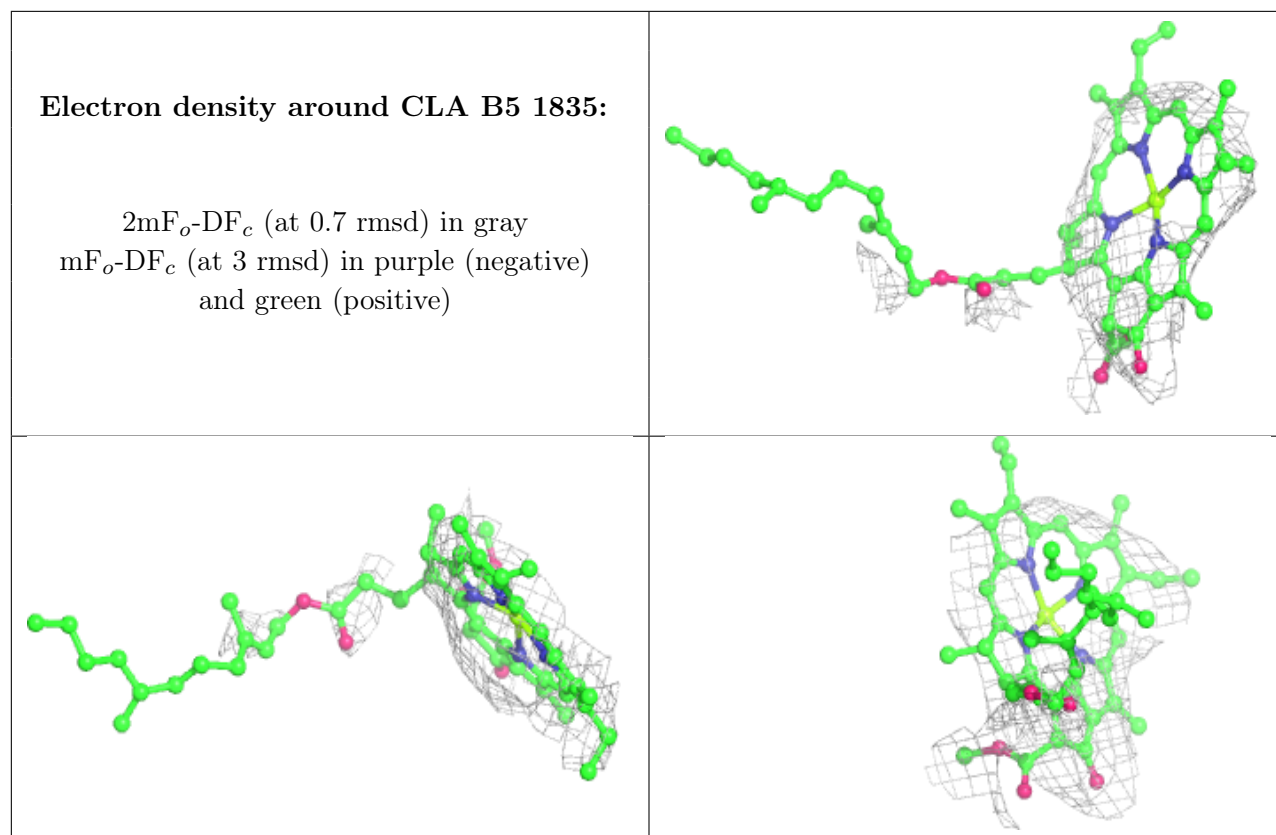


**Electron density around CLA A1 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

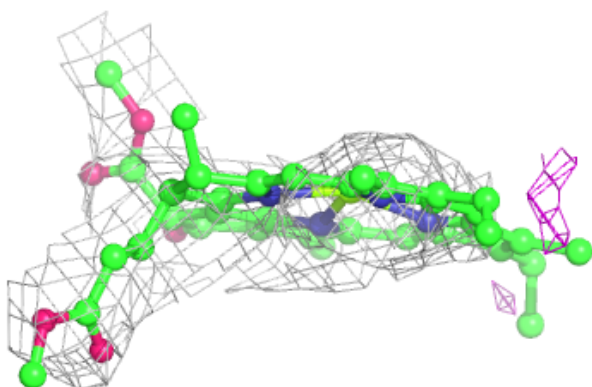
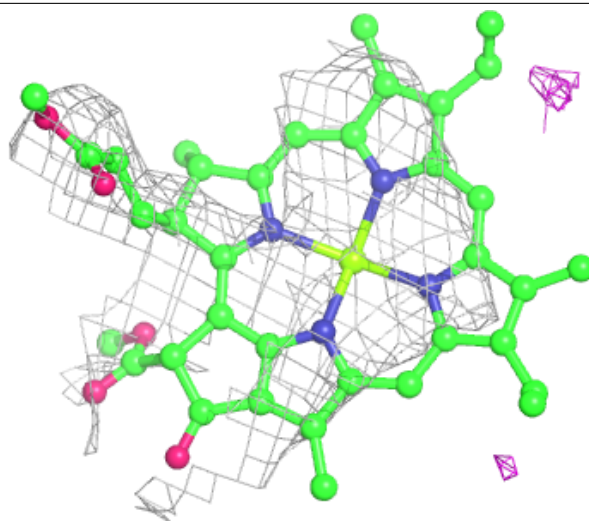






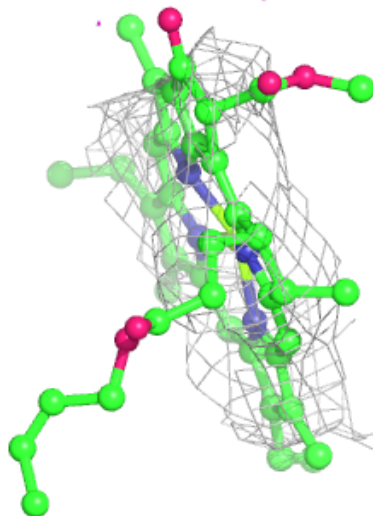
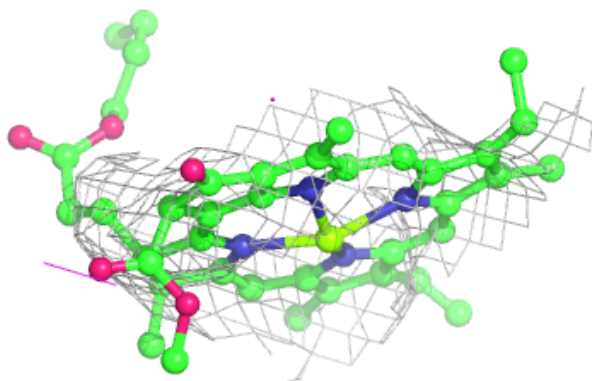
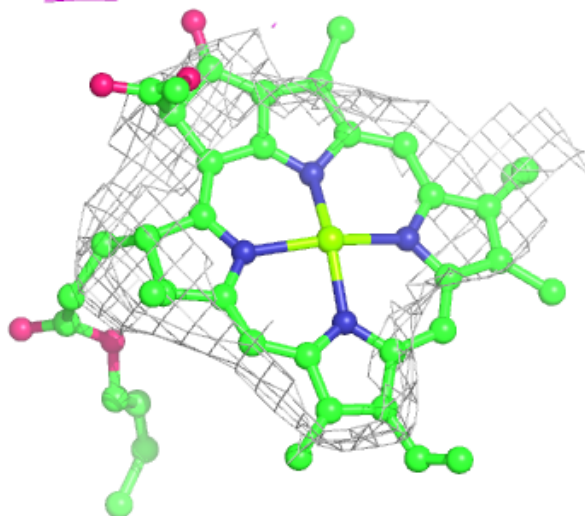
**Electron density around CLA B2 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



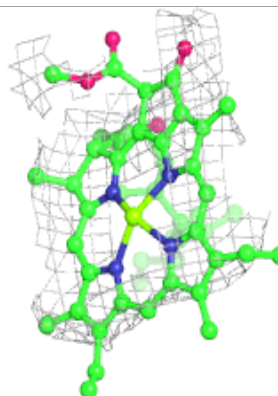
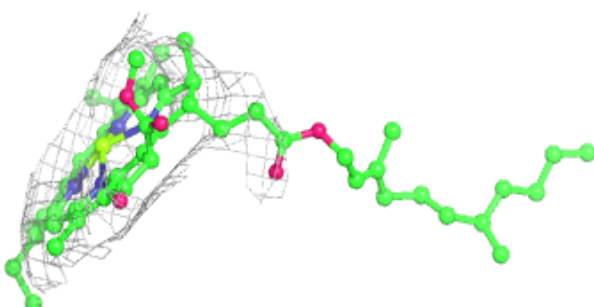
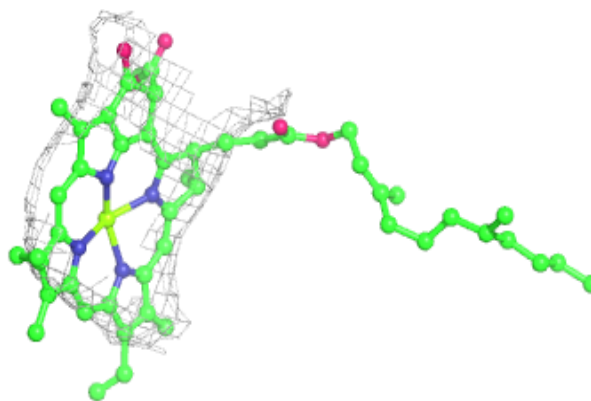
**Electron density around CLA A5 822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

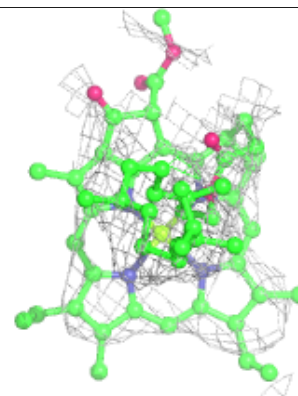
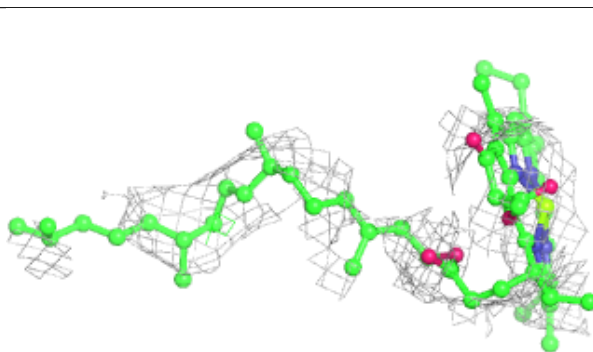
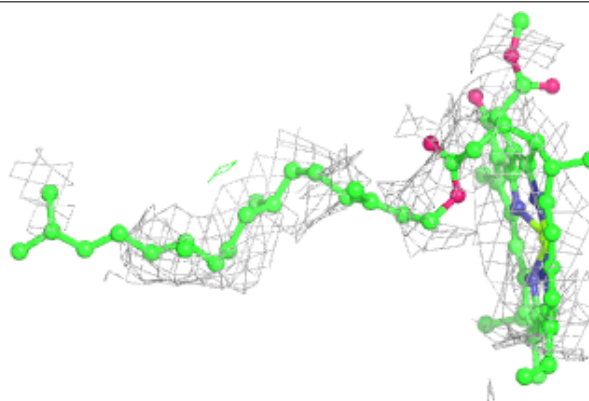


**Electron density around CLA B4 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

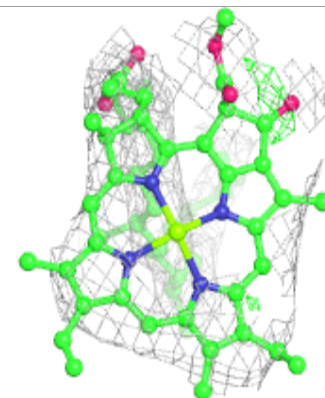
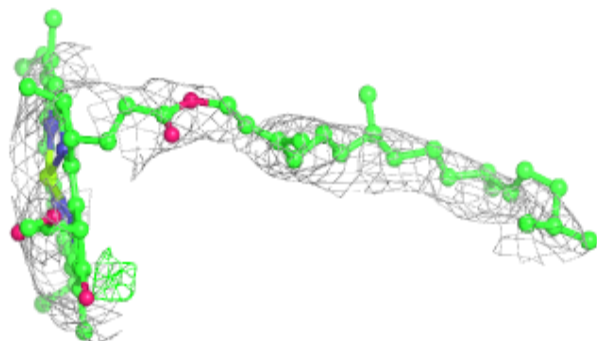
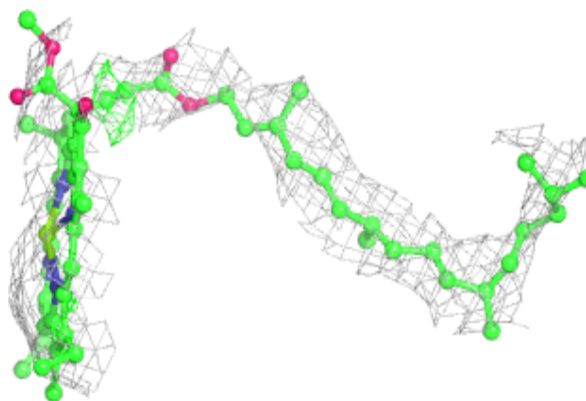
**Electron density around CLA A5 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

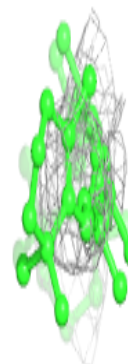
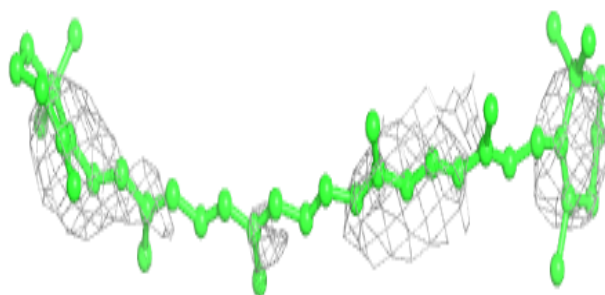
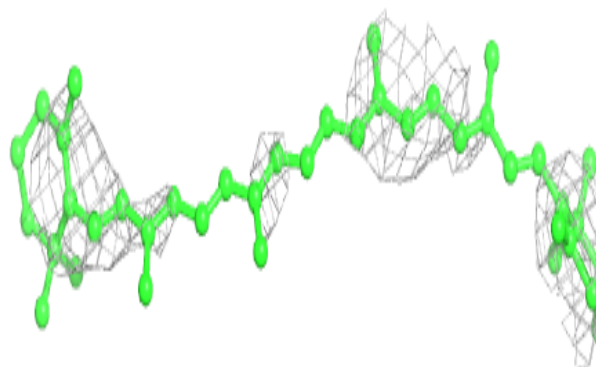


**Electron density around CLA B5 1843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

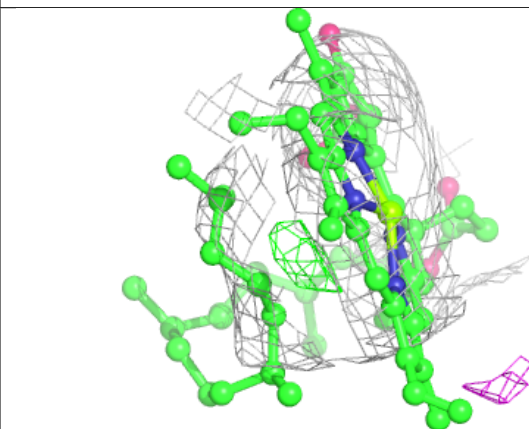
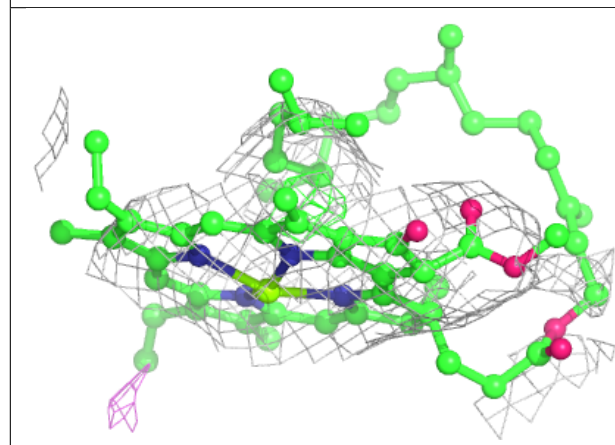
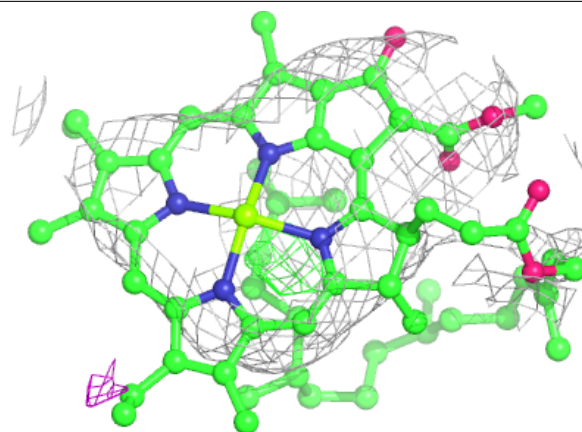
**Electron density around BCR I3 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

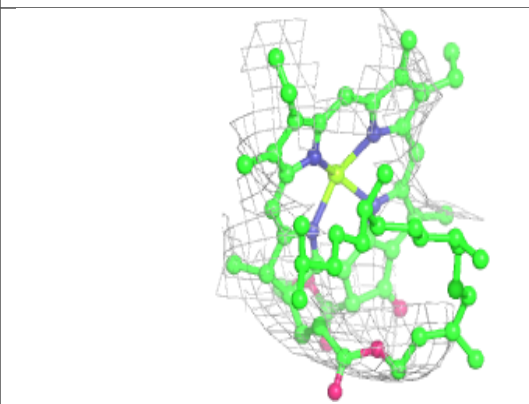
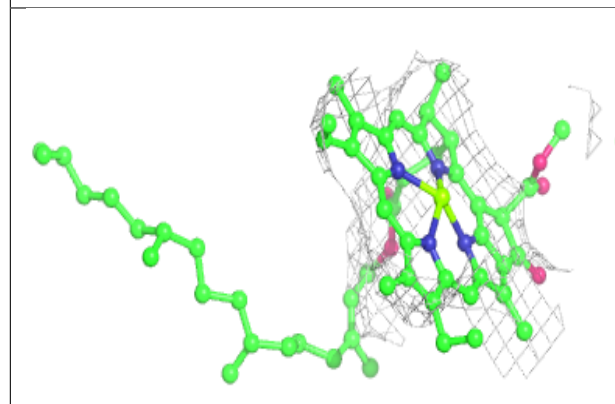
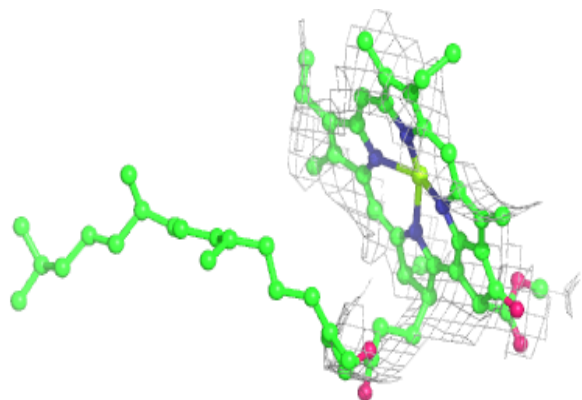


**Electron density around CLA B4 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B1 815:**

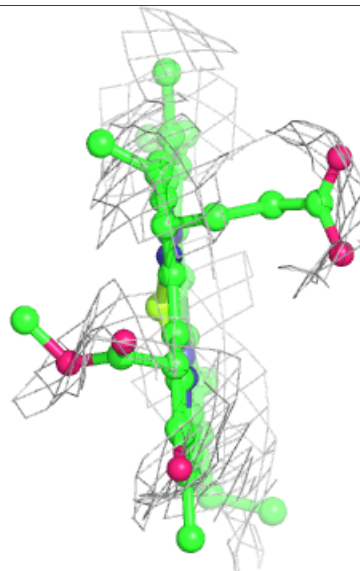
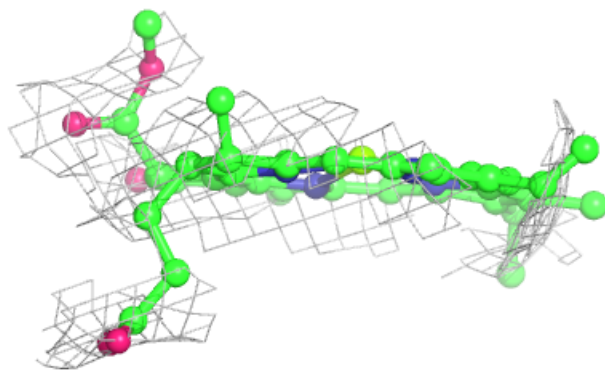
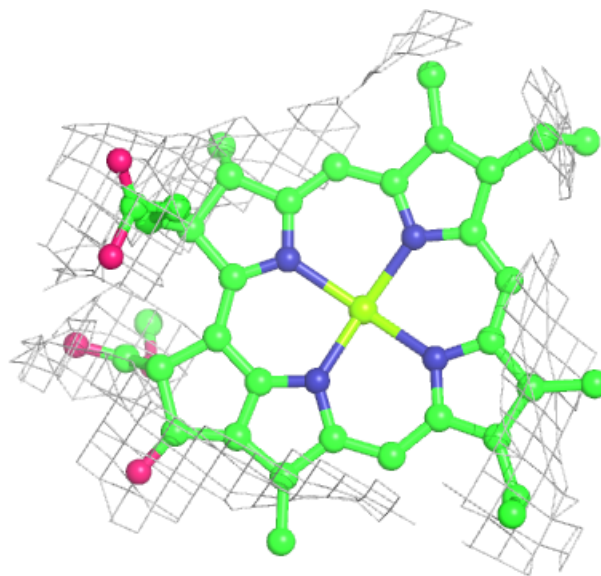
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

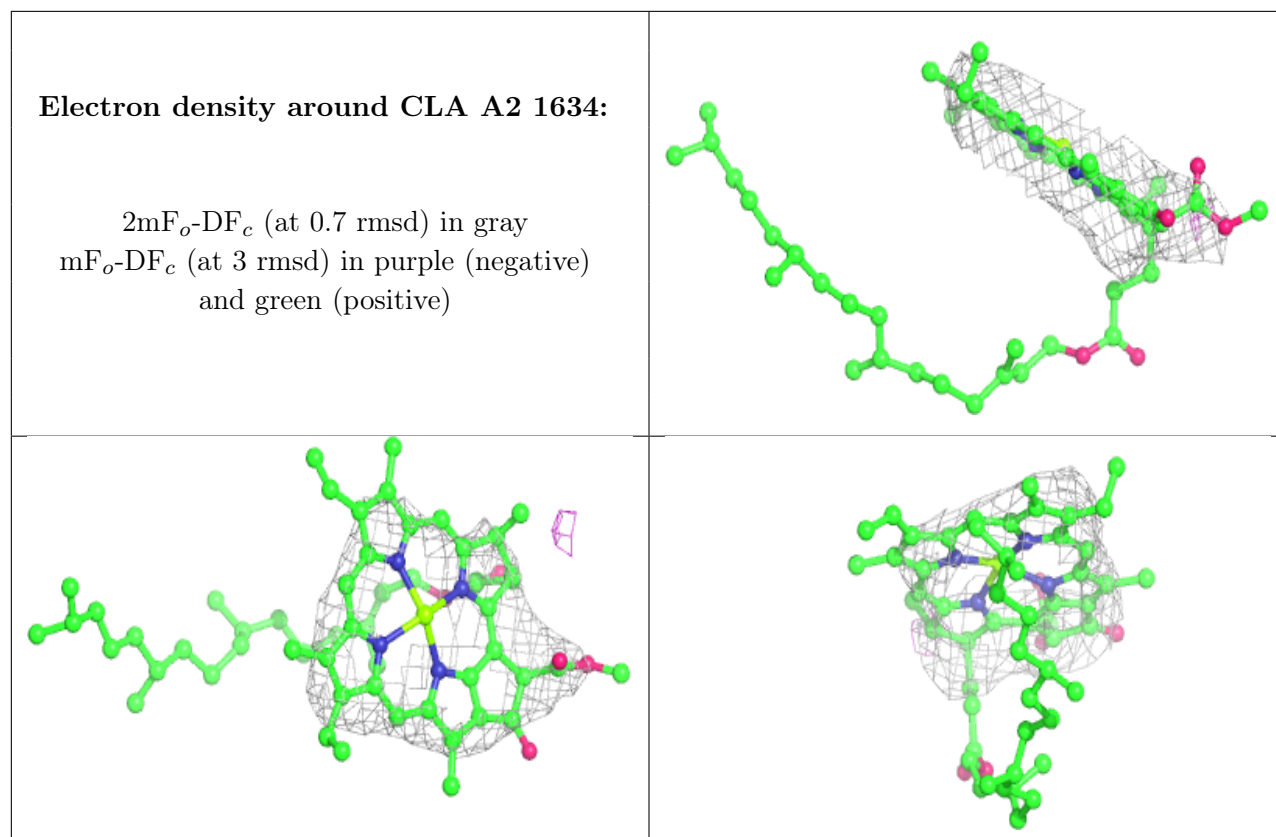




**Electron density around CLA B6 821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

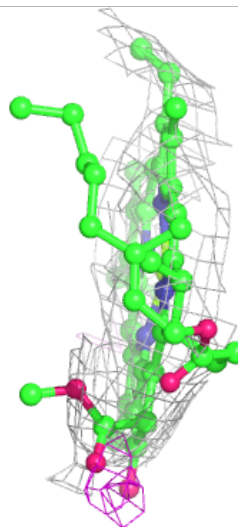
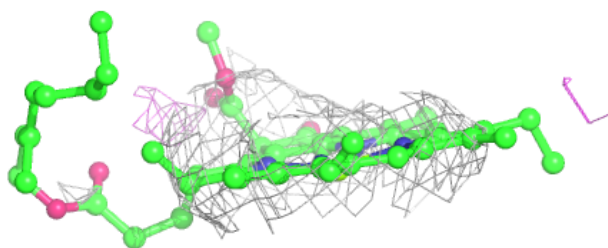
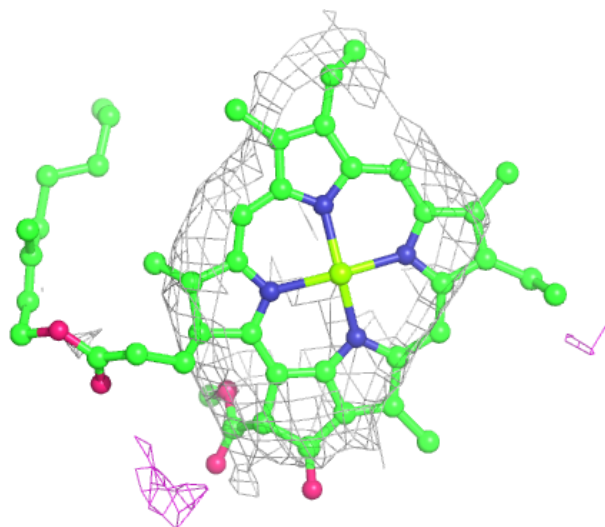






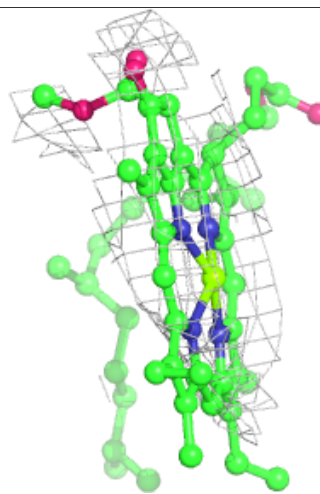
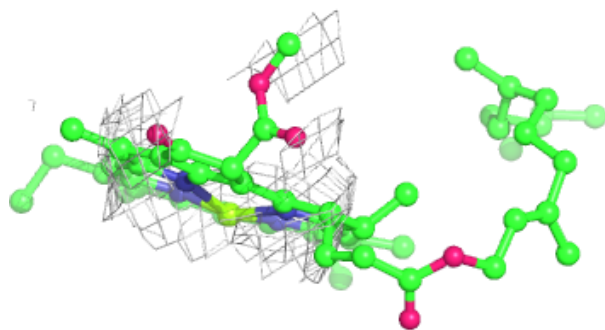
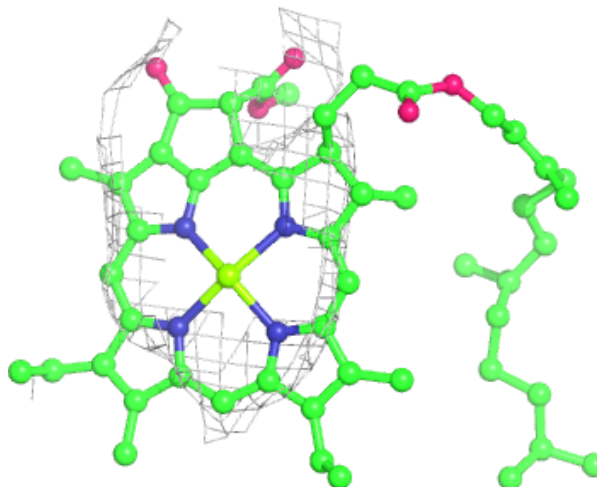
**Electron density around CLA B6 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



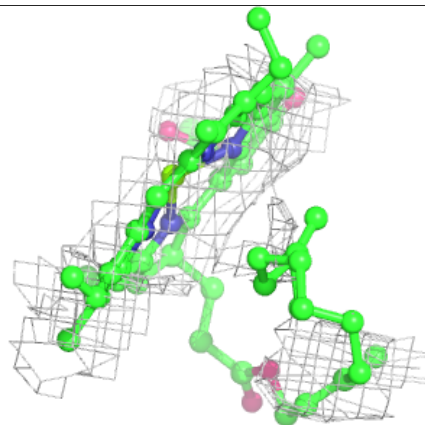
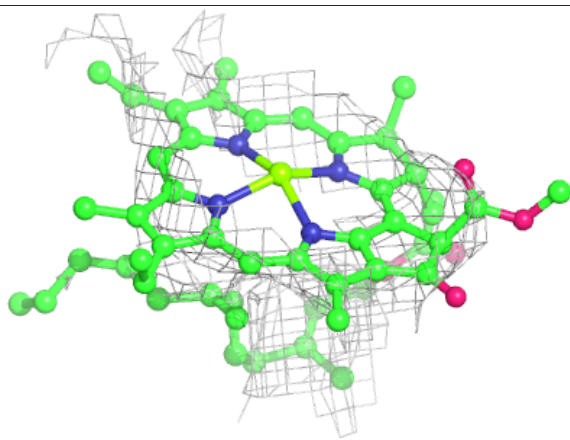
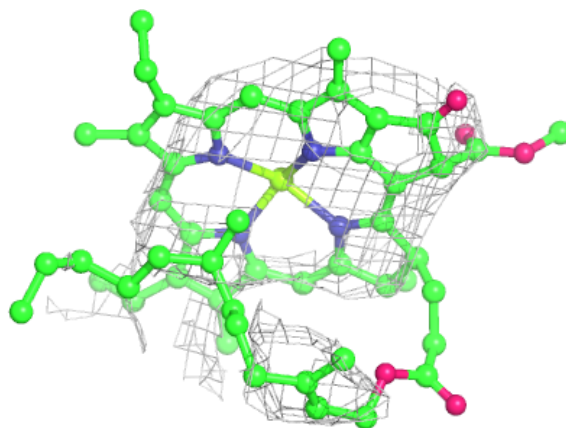
**Electron density around CLA A4 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

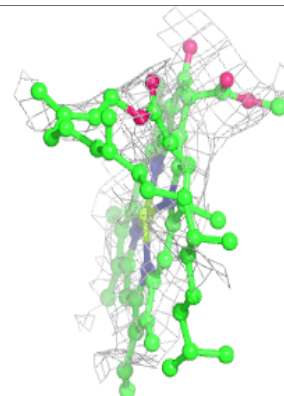
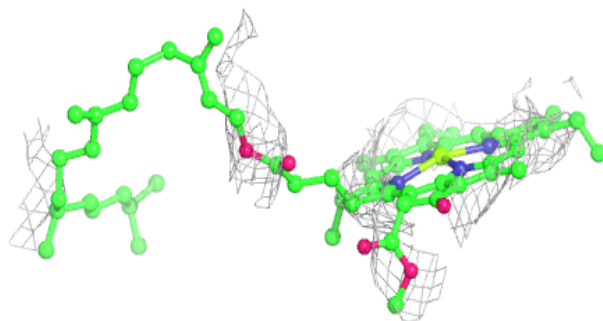
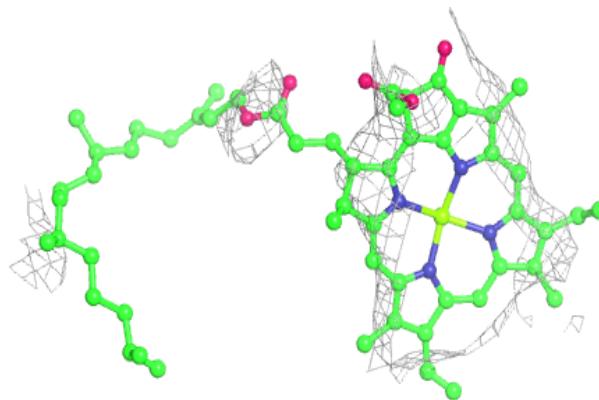


**Electron density around CLA B3 1819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

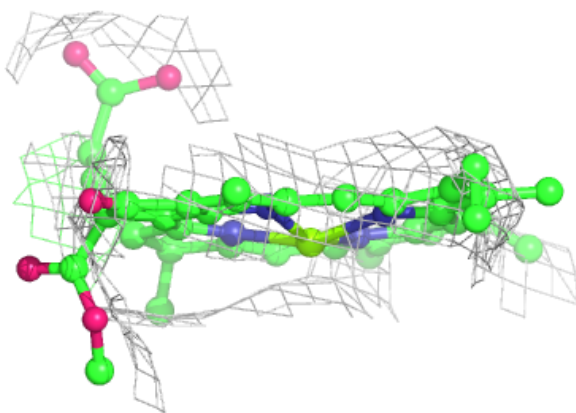
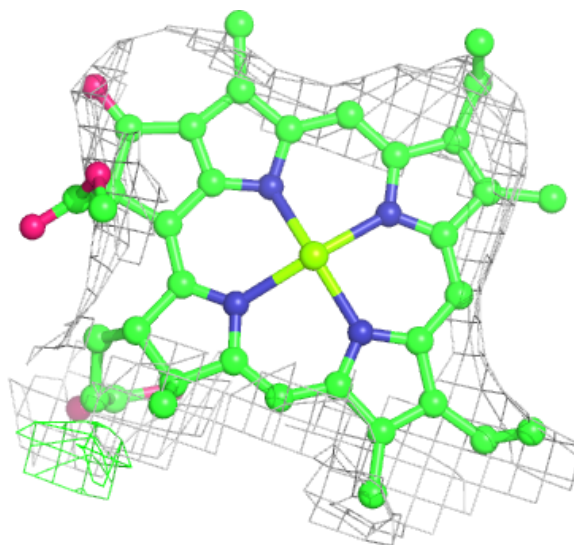
**Electron density around CLA A4 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



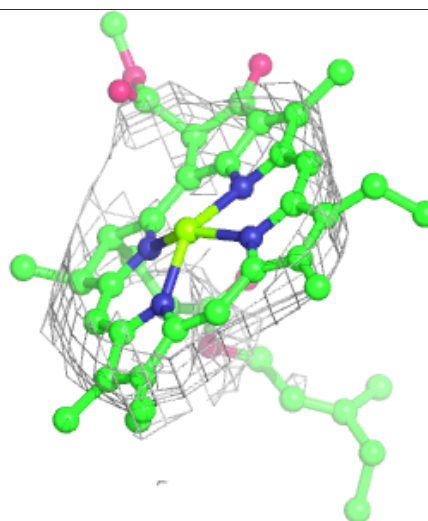
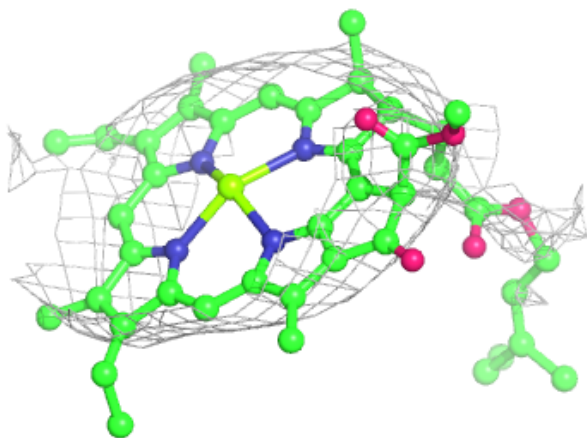
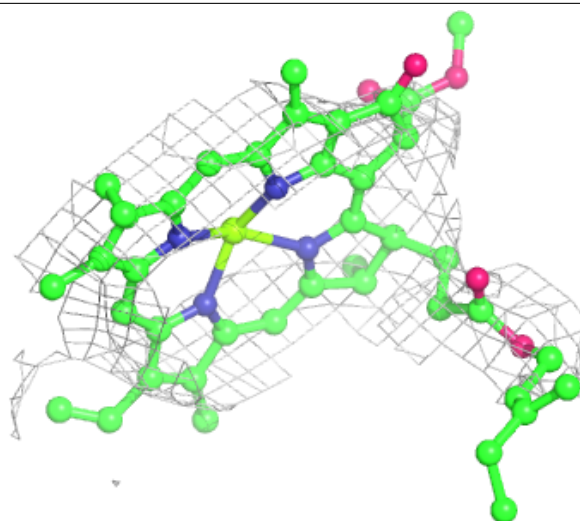
**Electron density around CLA B3 1832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



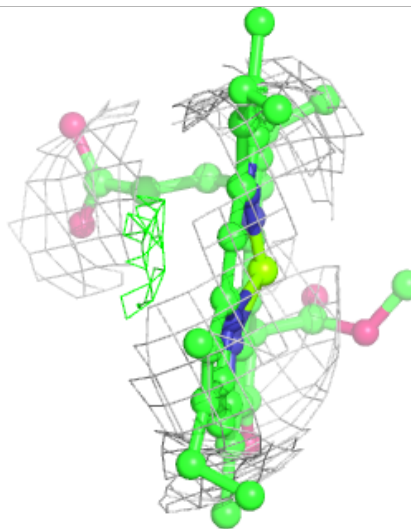
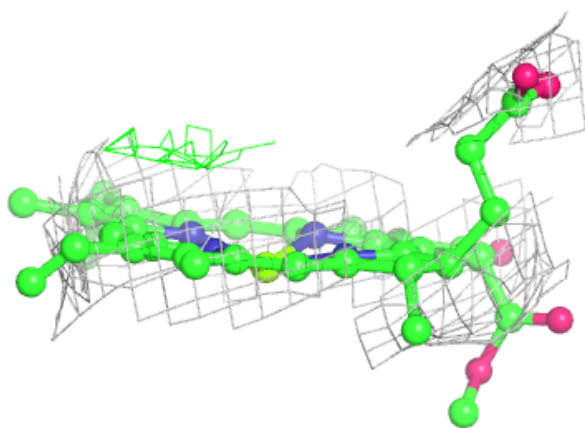
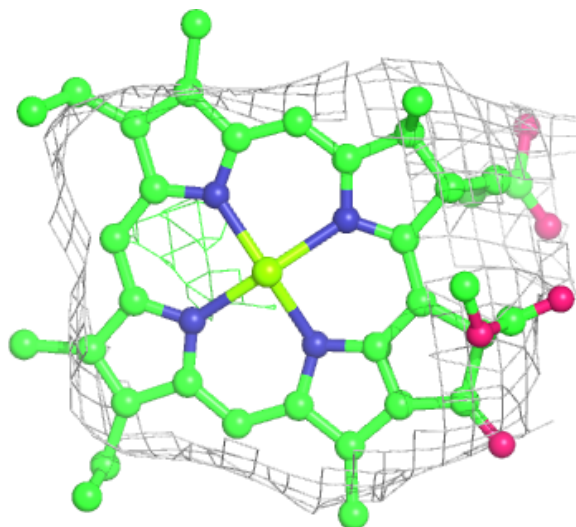
**Electron density around CLA A3 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



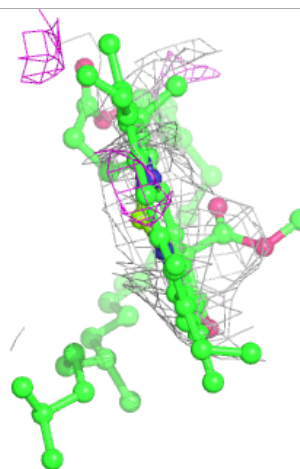
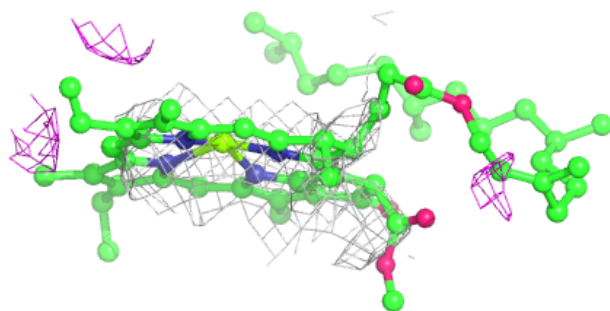
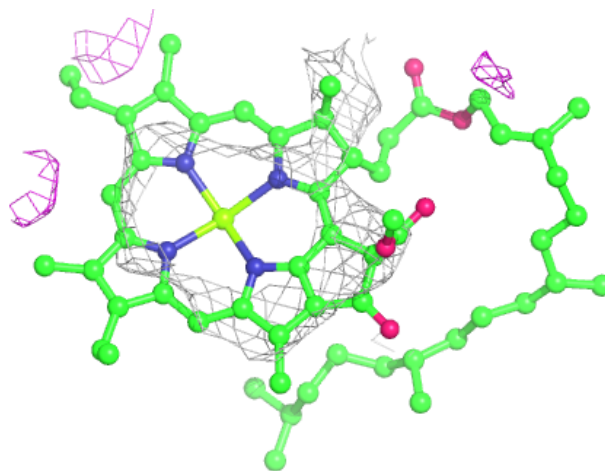
**Electron density around CLA K5 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B4 807:**

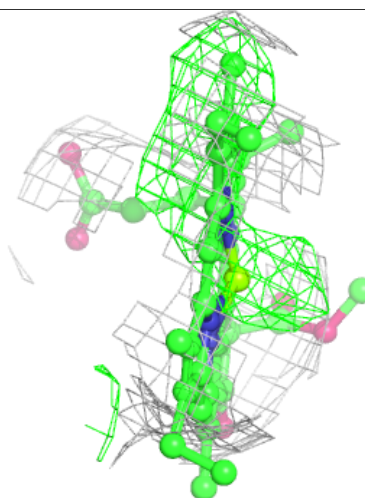
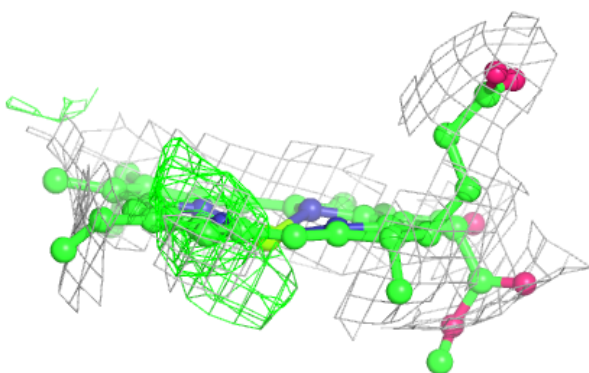
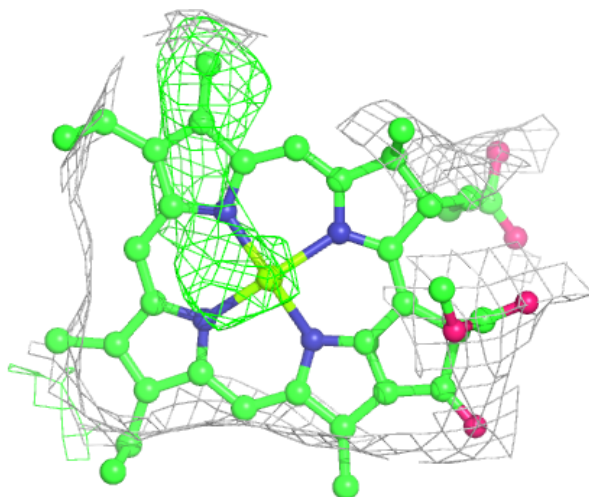
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA K3 1401:**

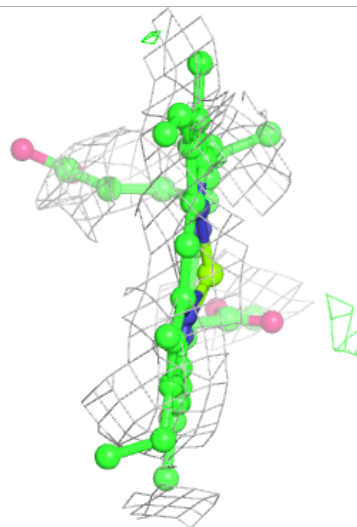
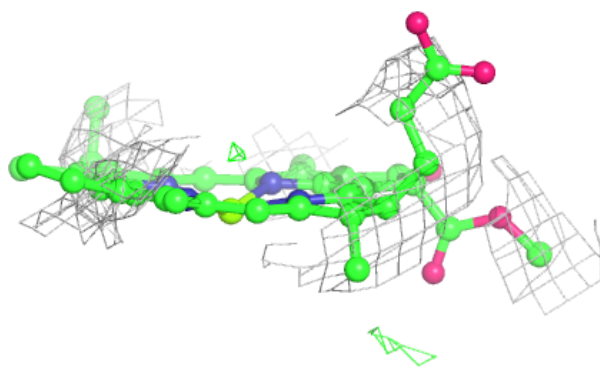
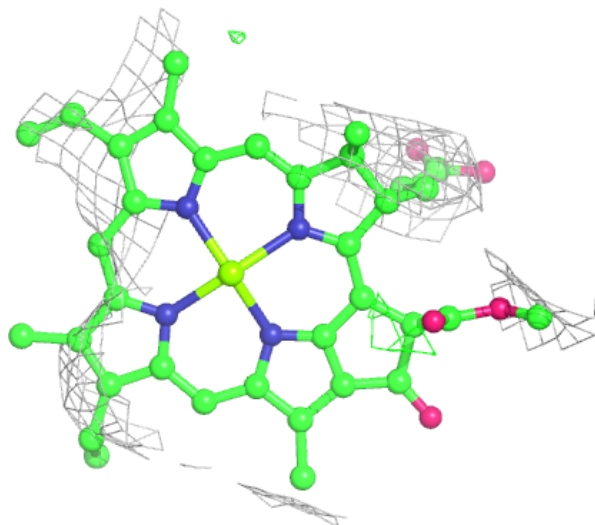
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





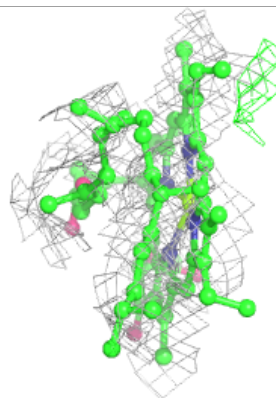
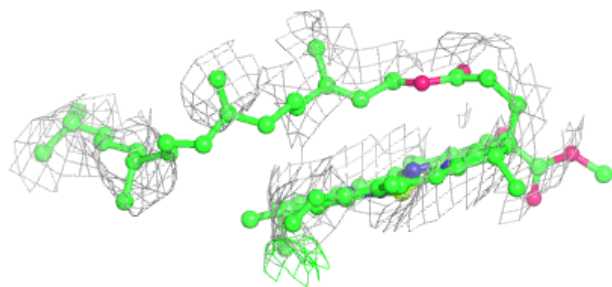
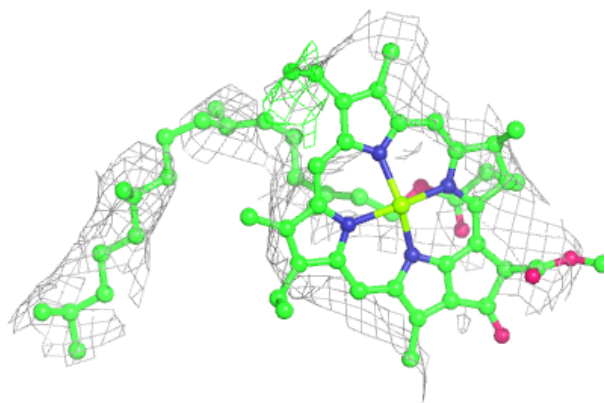
**Electron density around CLA B2 834:**

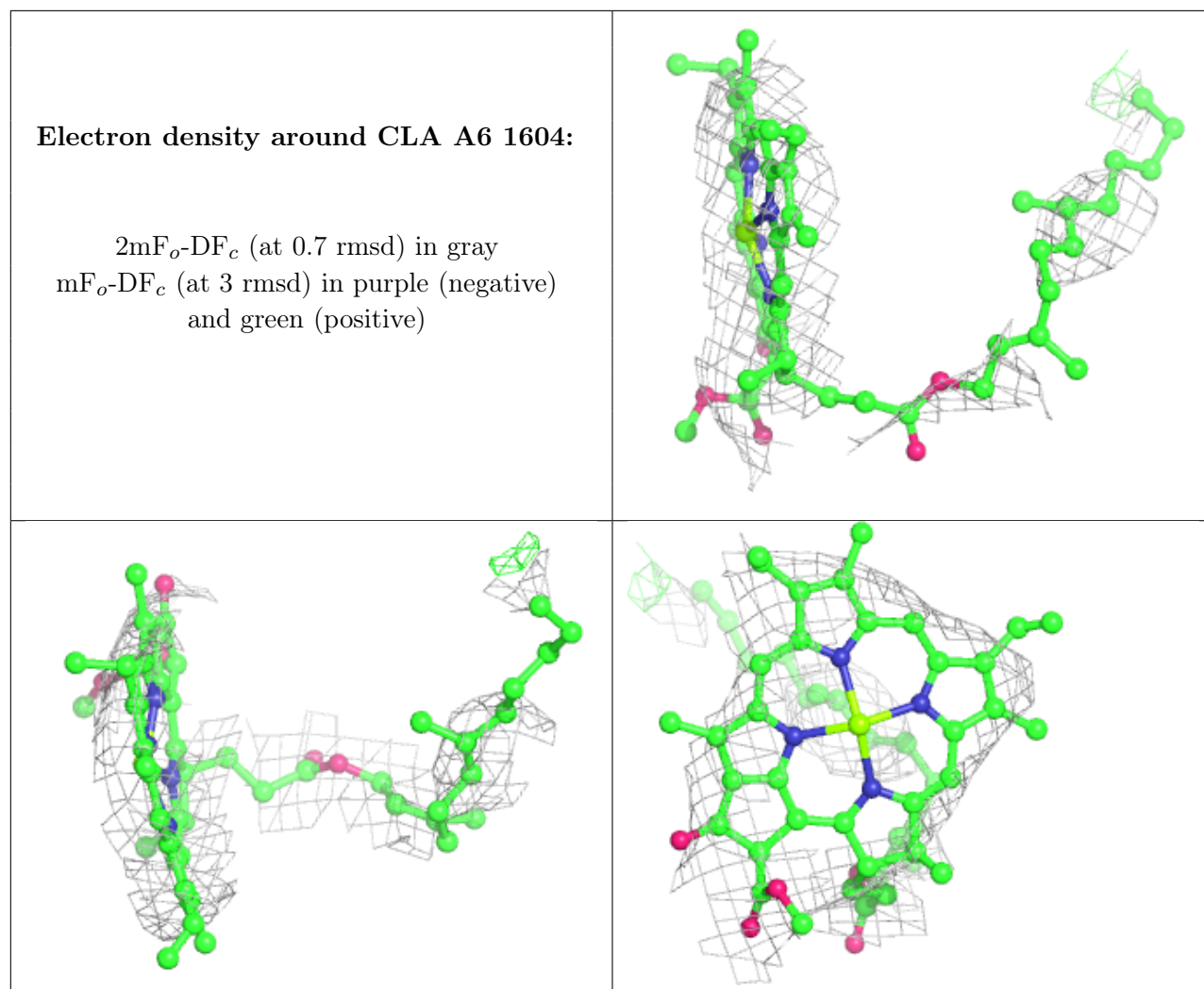
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

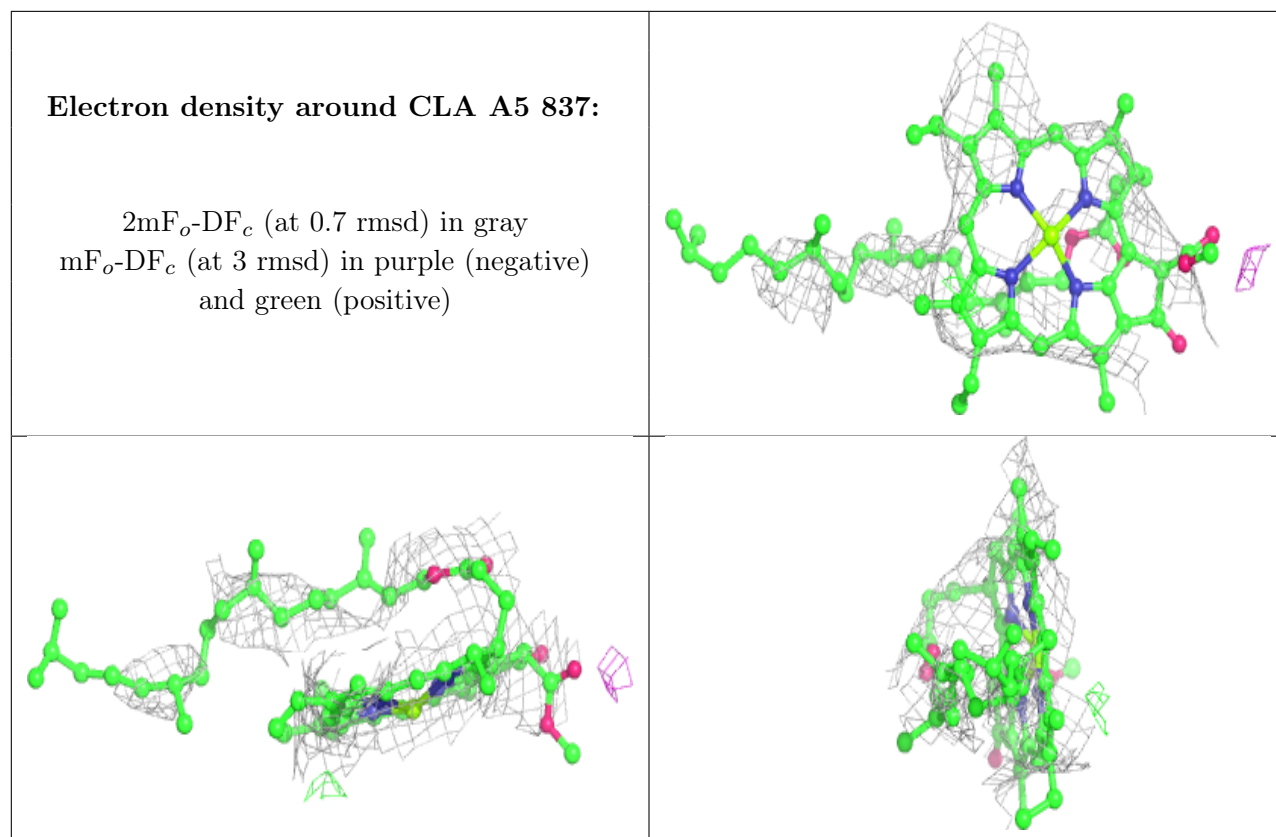


**Electron density around CLA B1 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

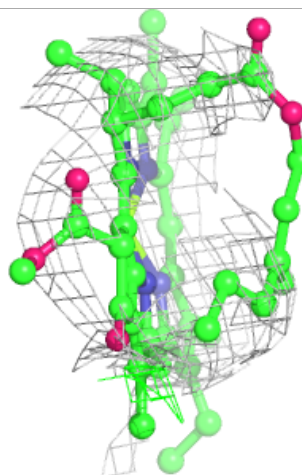
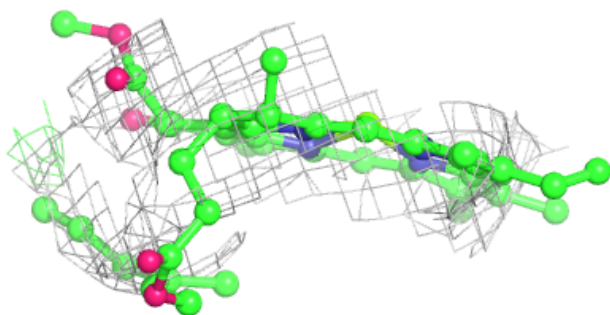
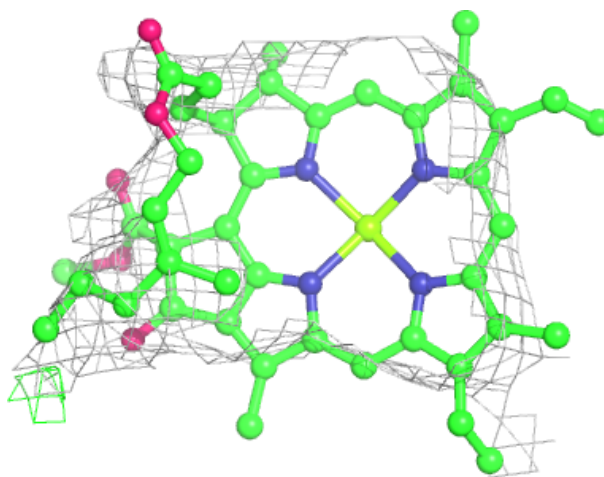






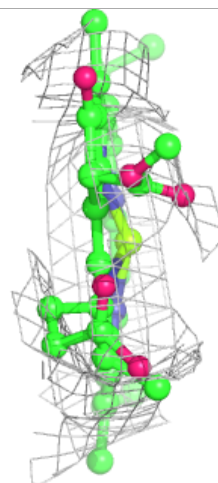
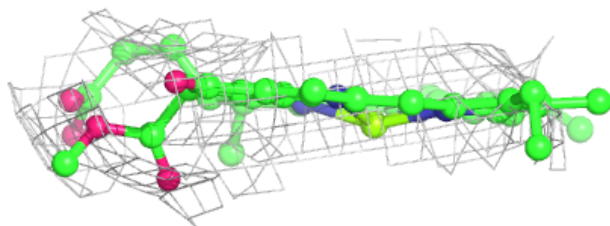
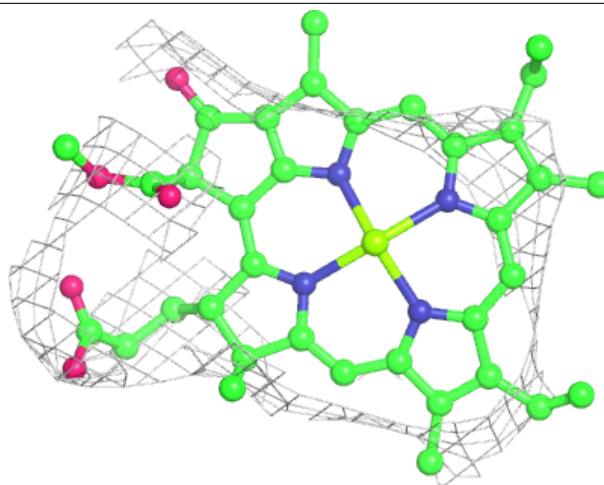
**Electron density around CLA A5 843:**

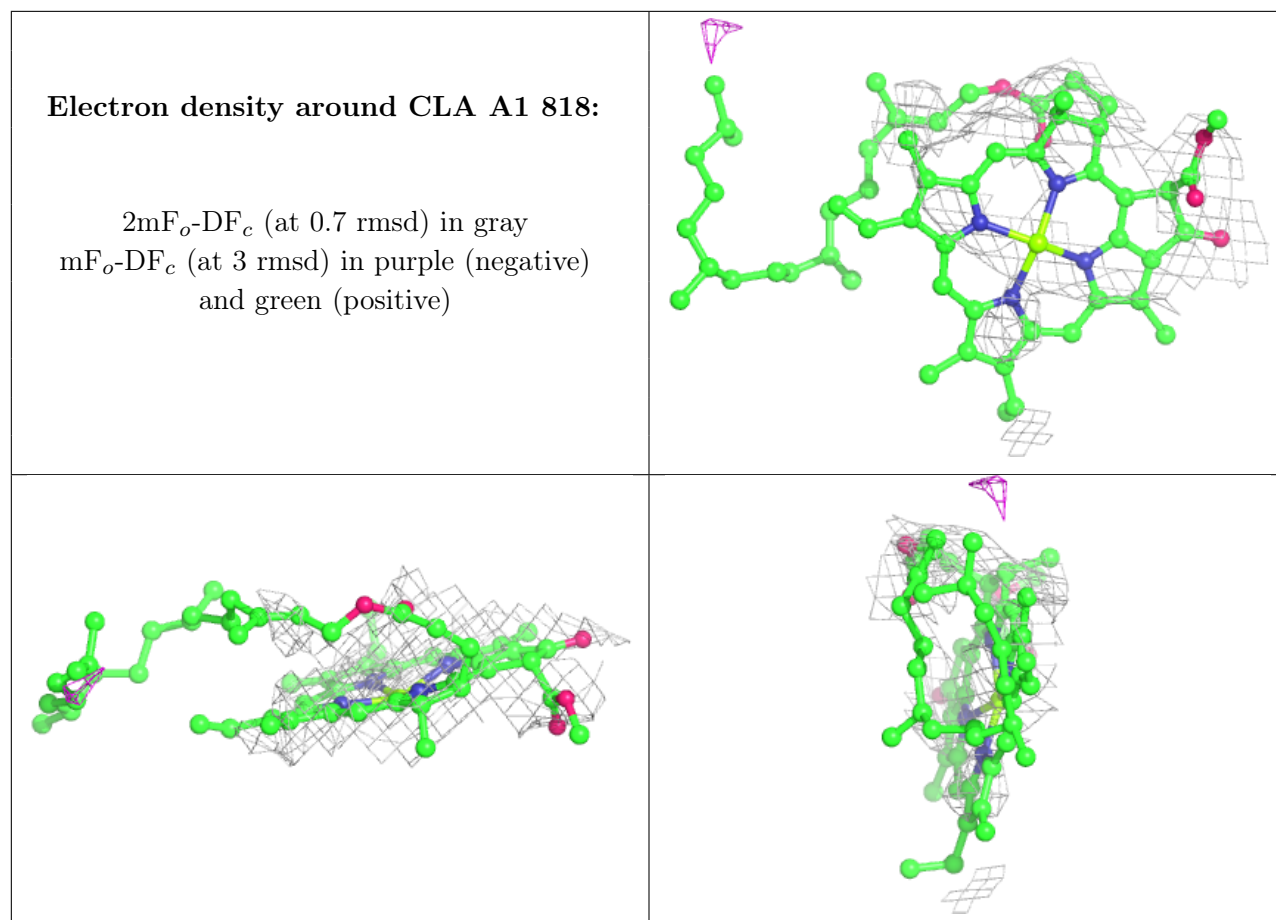
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

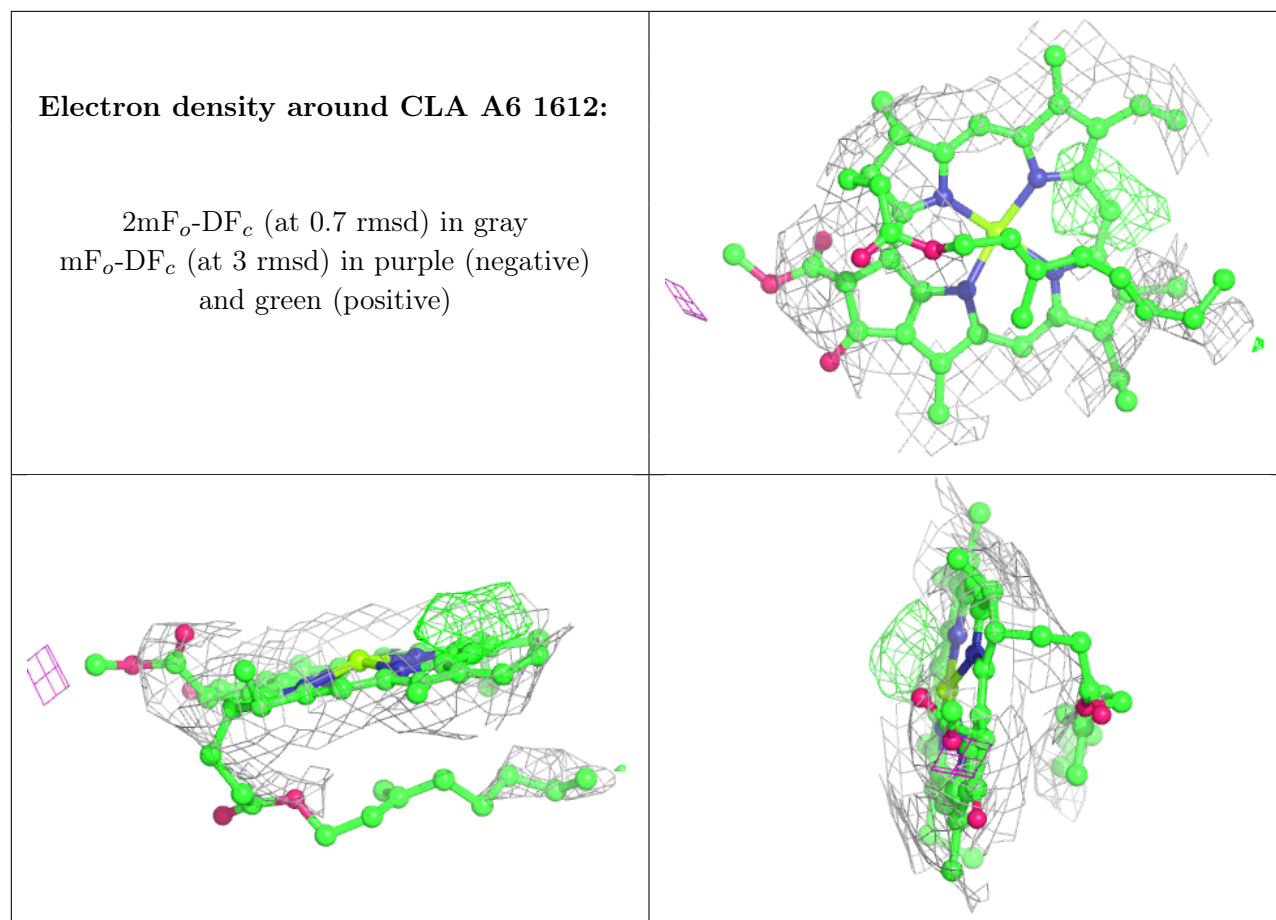


**Electron density around CLA F2 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



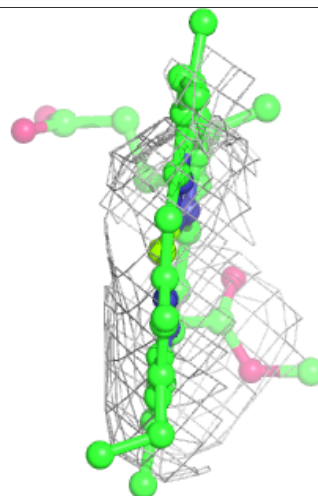
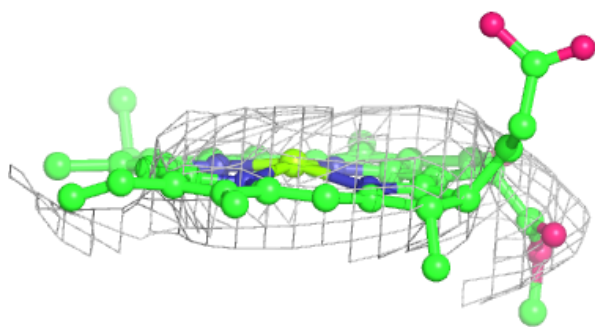
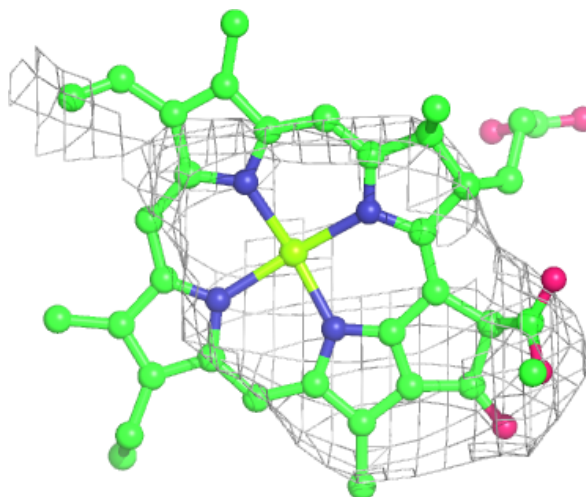


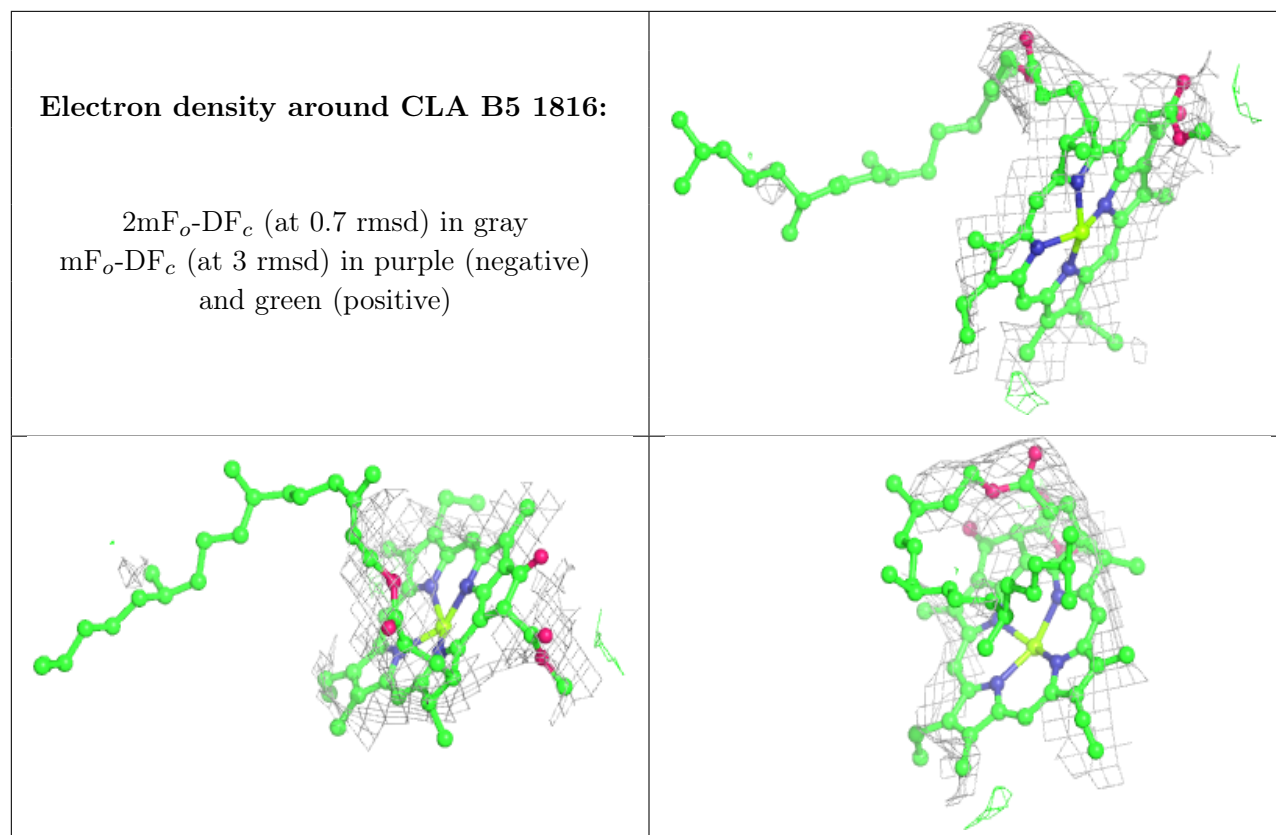




**Electron density around CLA J2 101:**

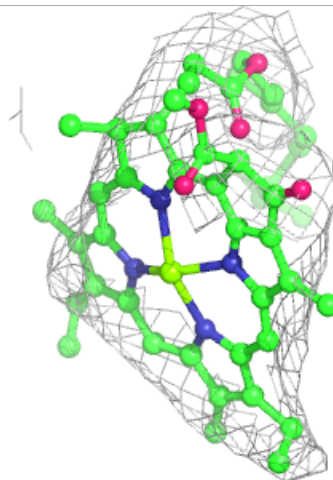
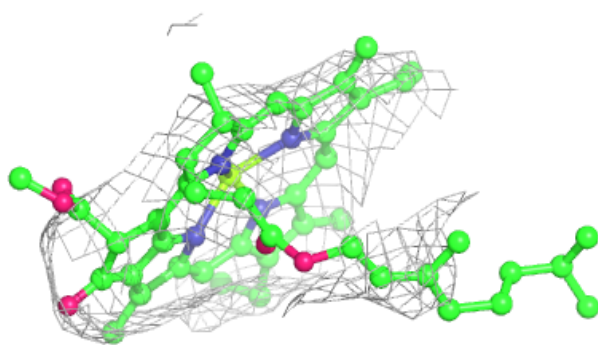
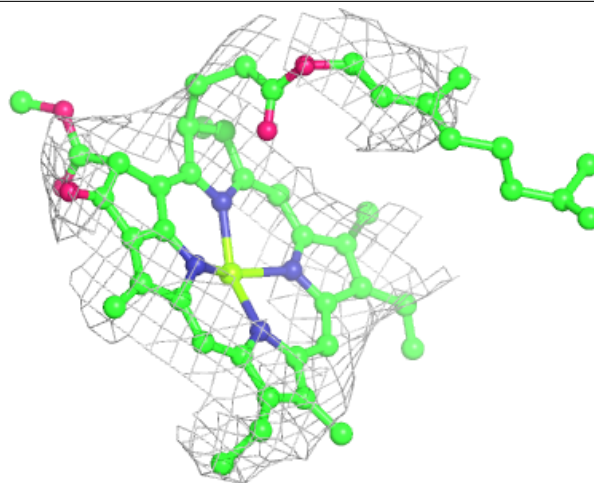
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

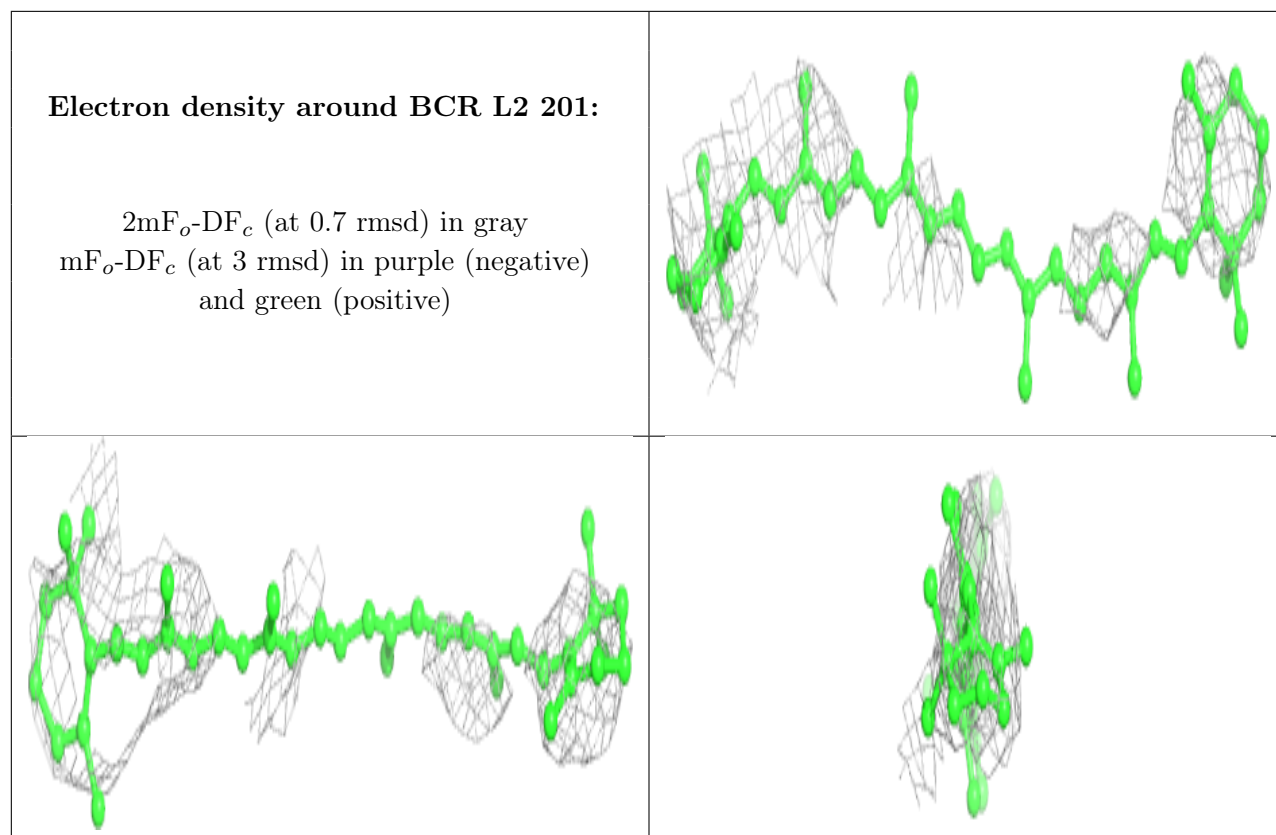




**Electron density around CLA B4 818:**

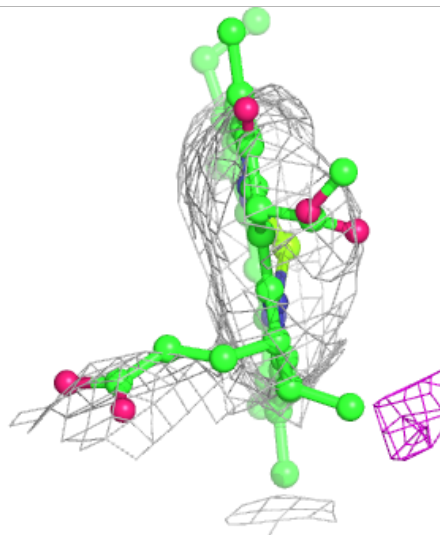
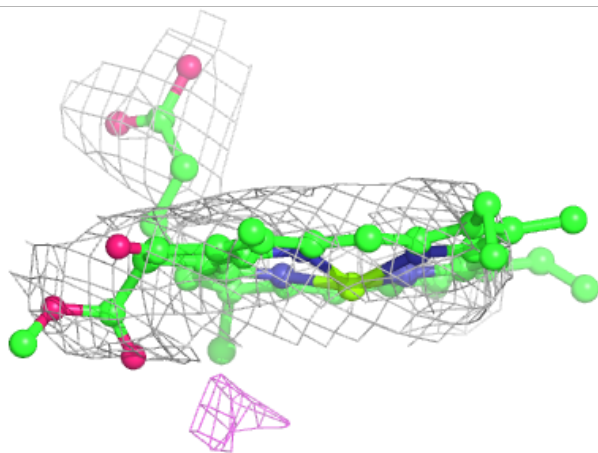
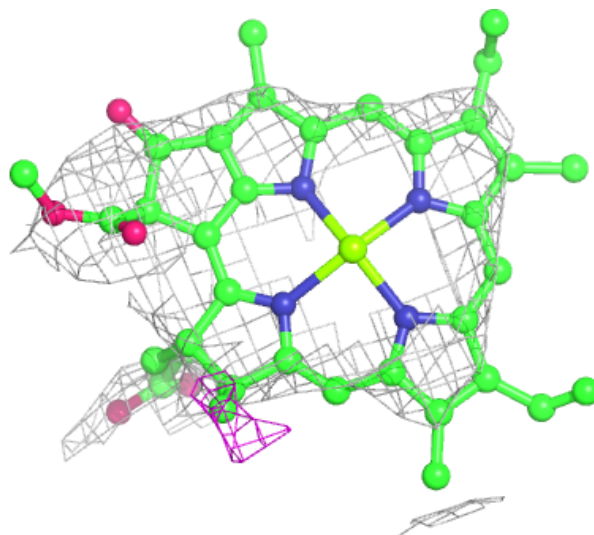
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

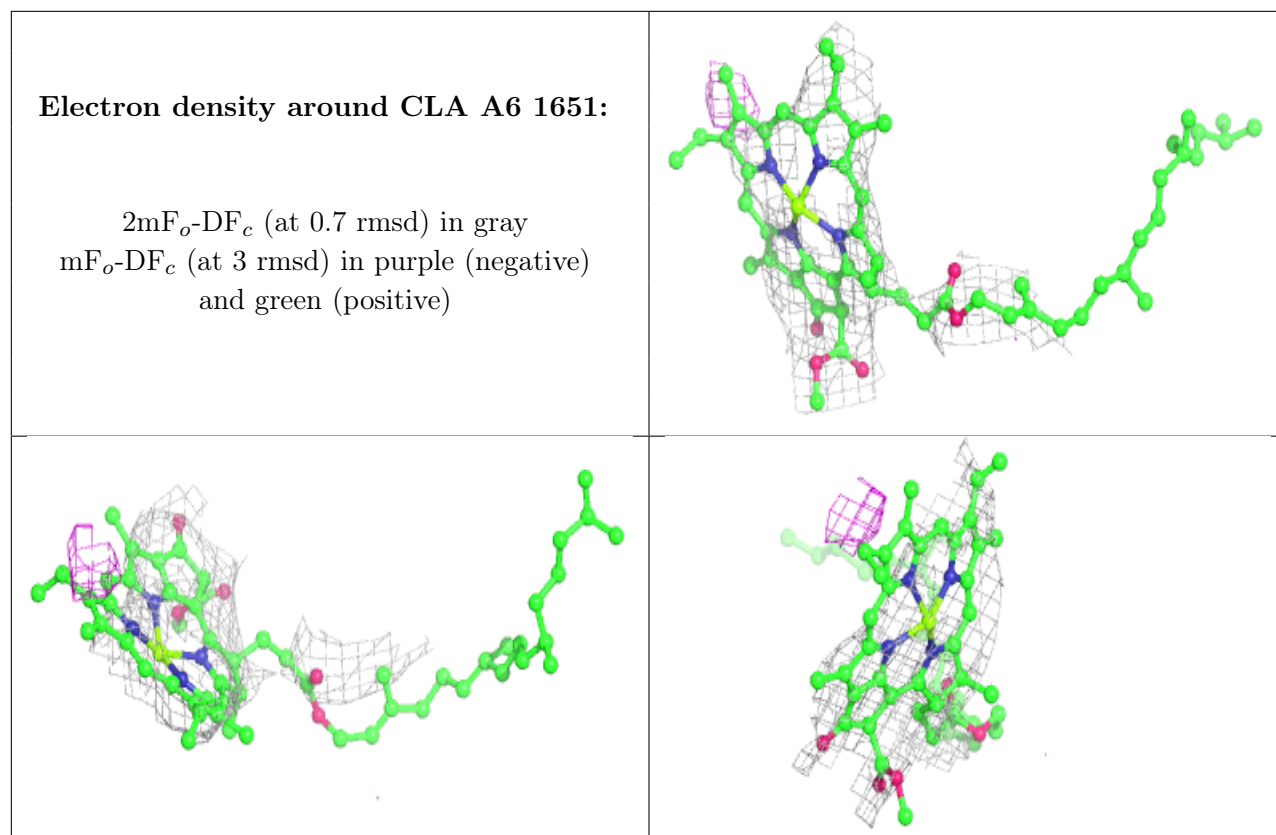


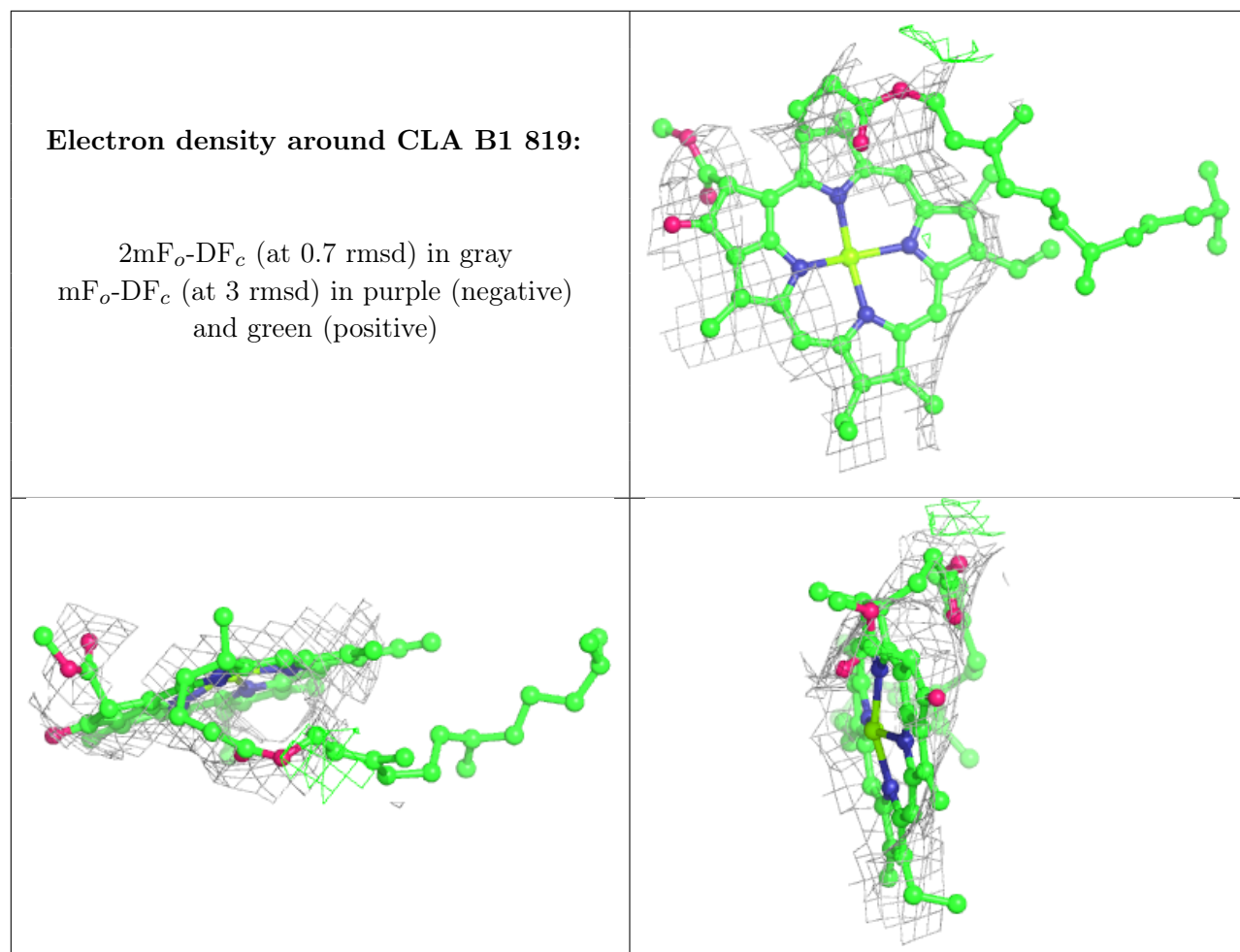


**Electron density around CLA B3 1813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

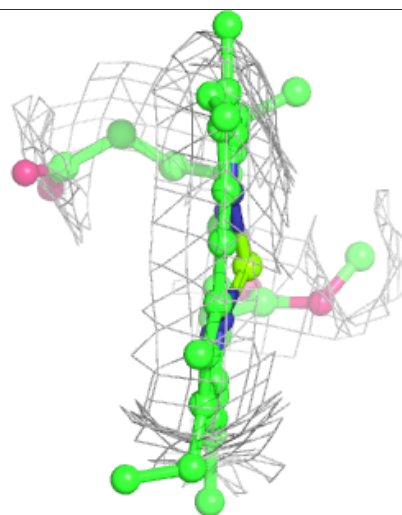
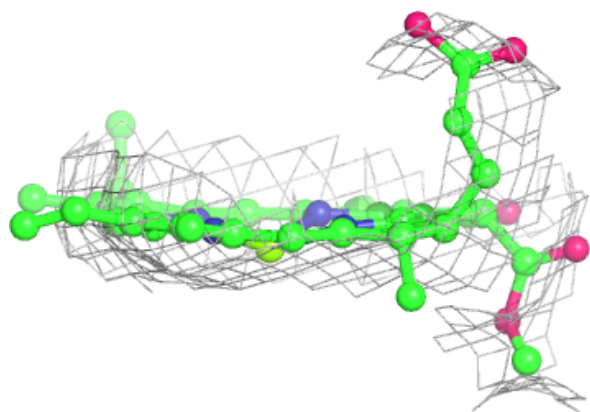
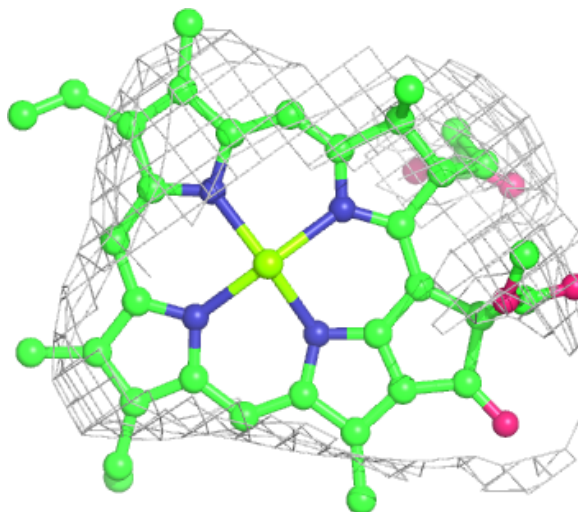






**Electron density around CLA B6 815:**

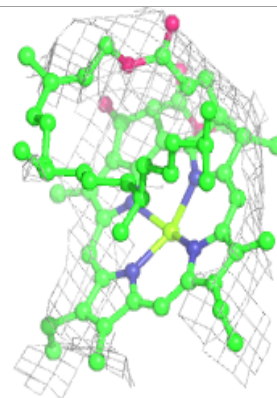
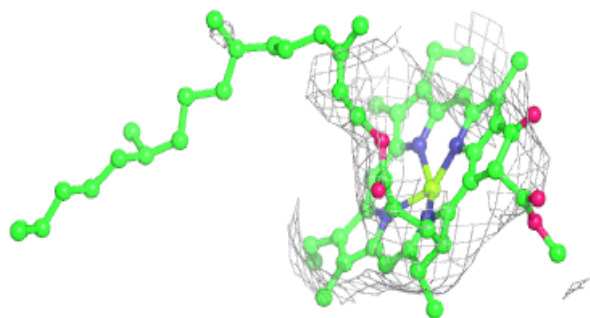
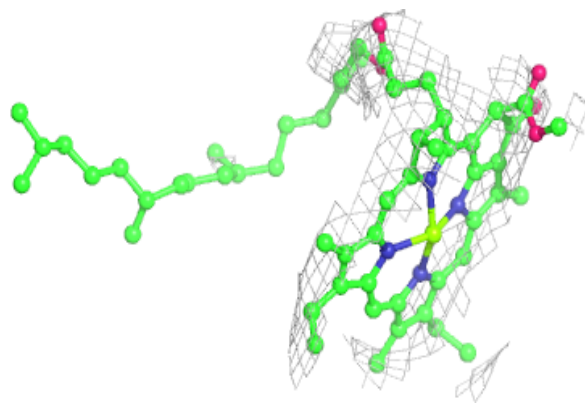
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



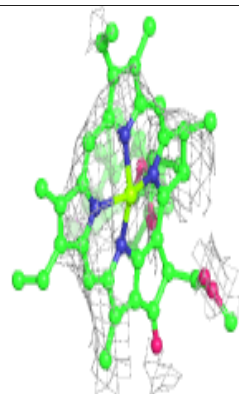
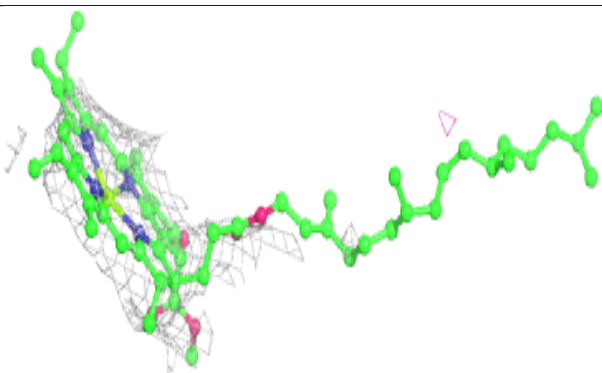
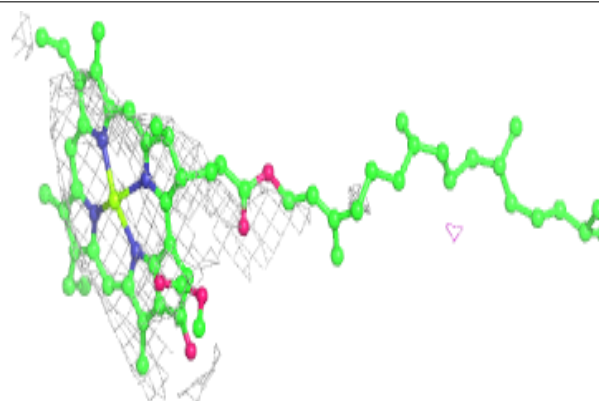


**Electron density around CLA B3 1816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

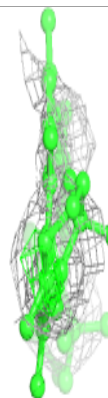
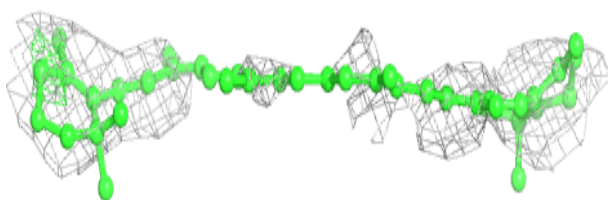
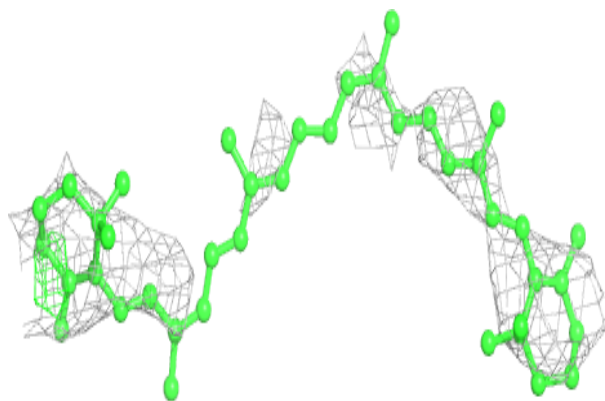
**Electron density around CLA A4 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

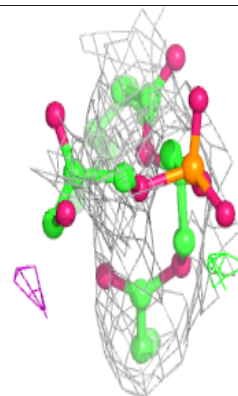
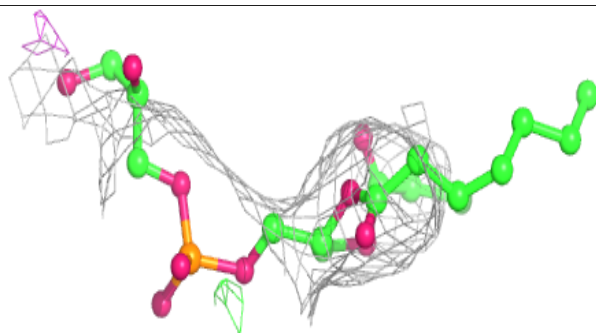
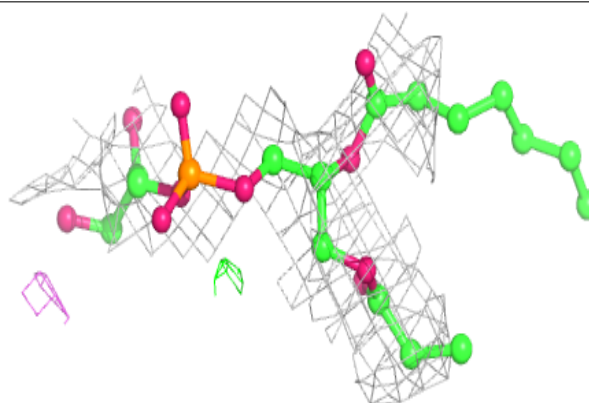


**Electron density around BCR A3 852:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

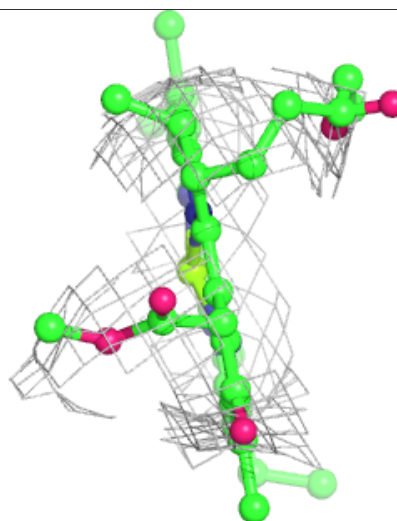
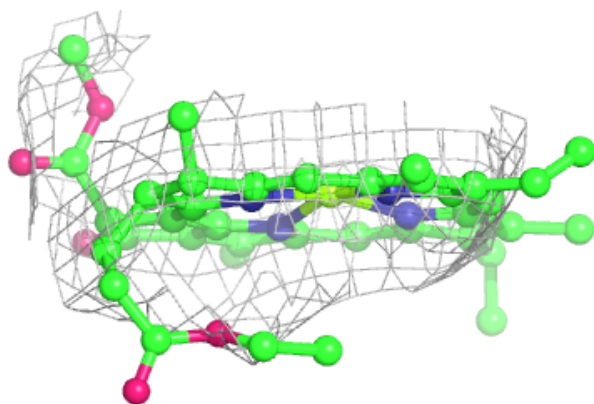
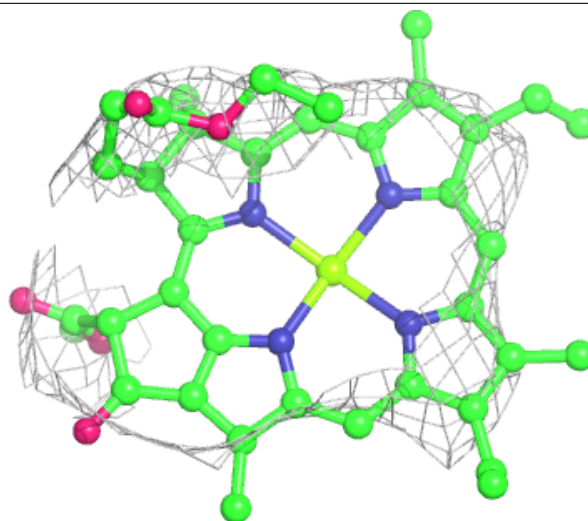
**Electron density around LHG A2 1654:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



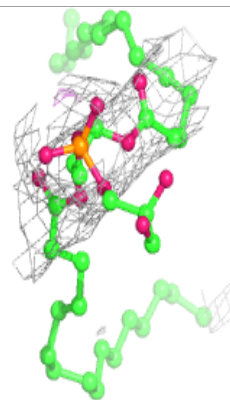
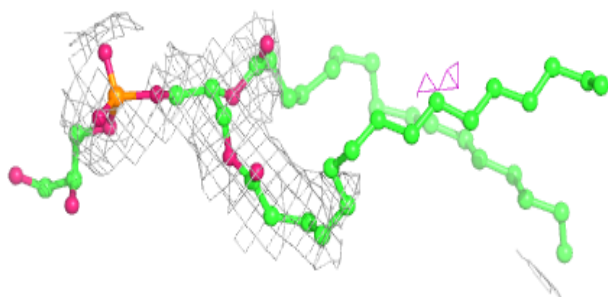
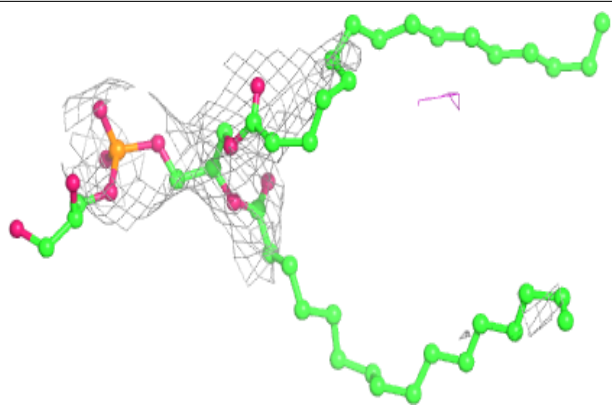
**Electron density around CLA B6 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

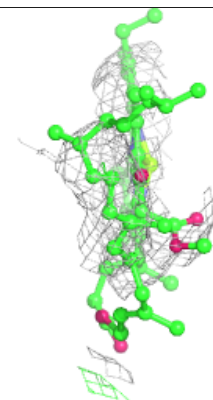
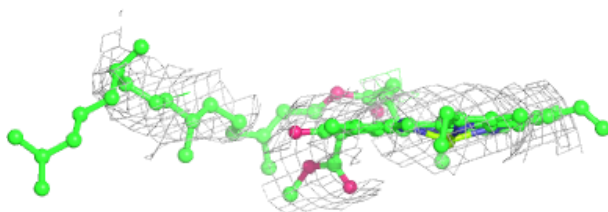
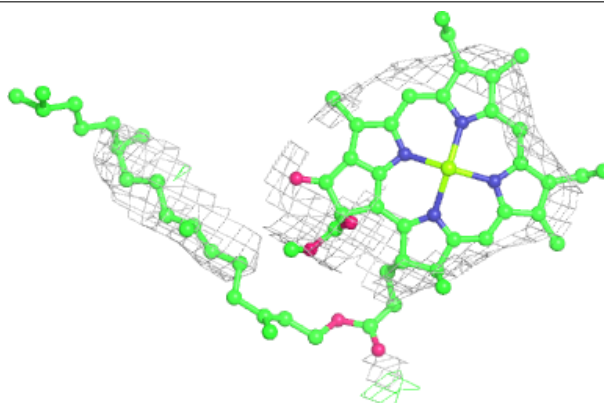


**Electron density around LHG A3 853:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

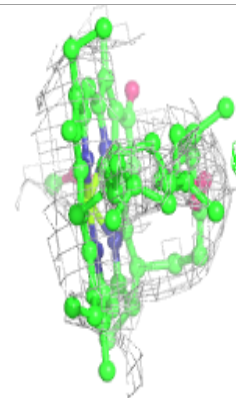
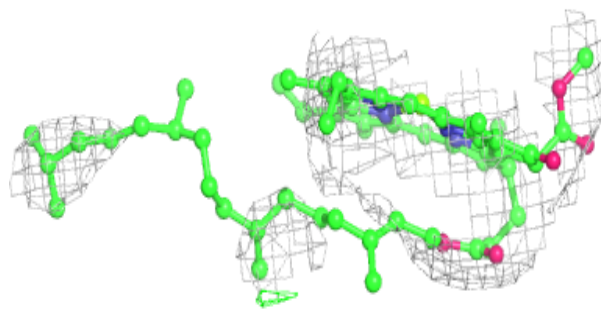
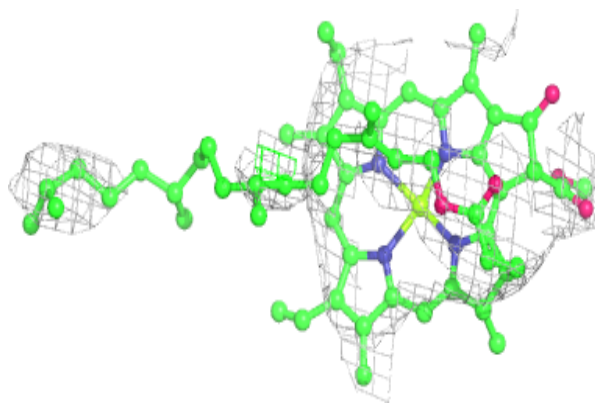
**Electron density around CLA L2 207:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

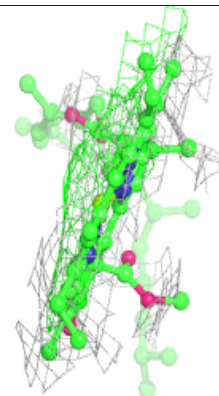
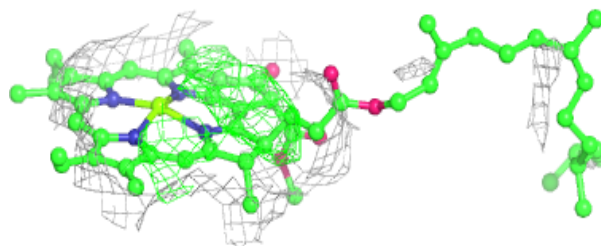
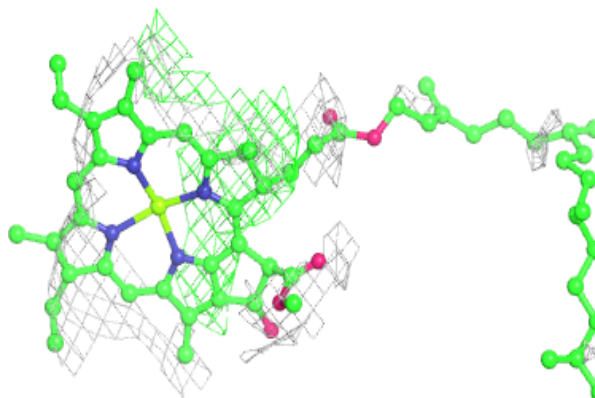


**Electron density around CLA A4 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1828:**

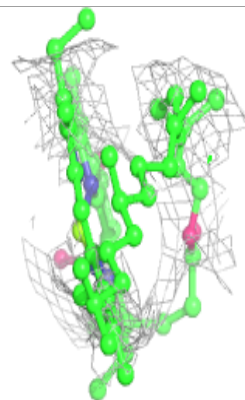
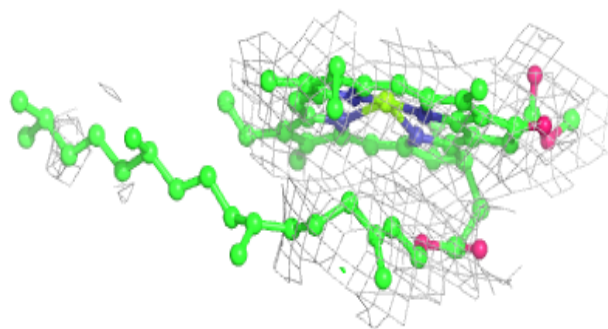
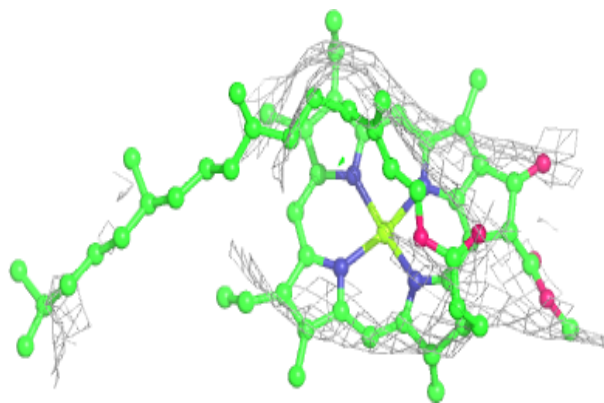
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



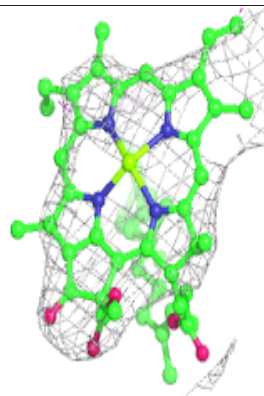
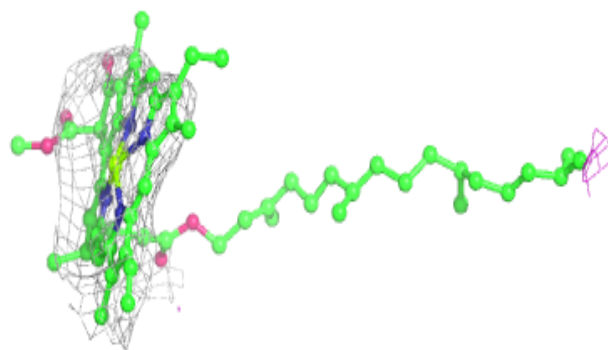
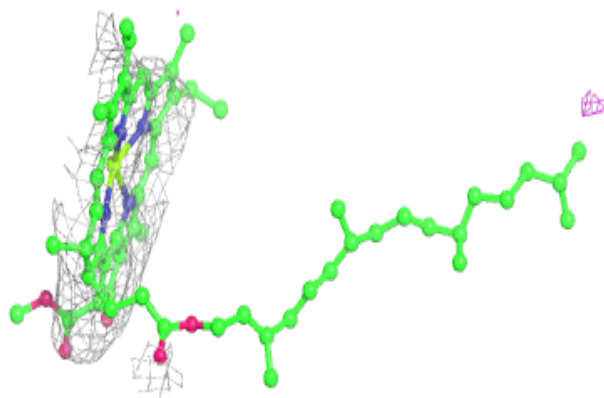


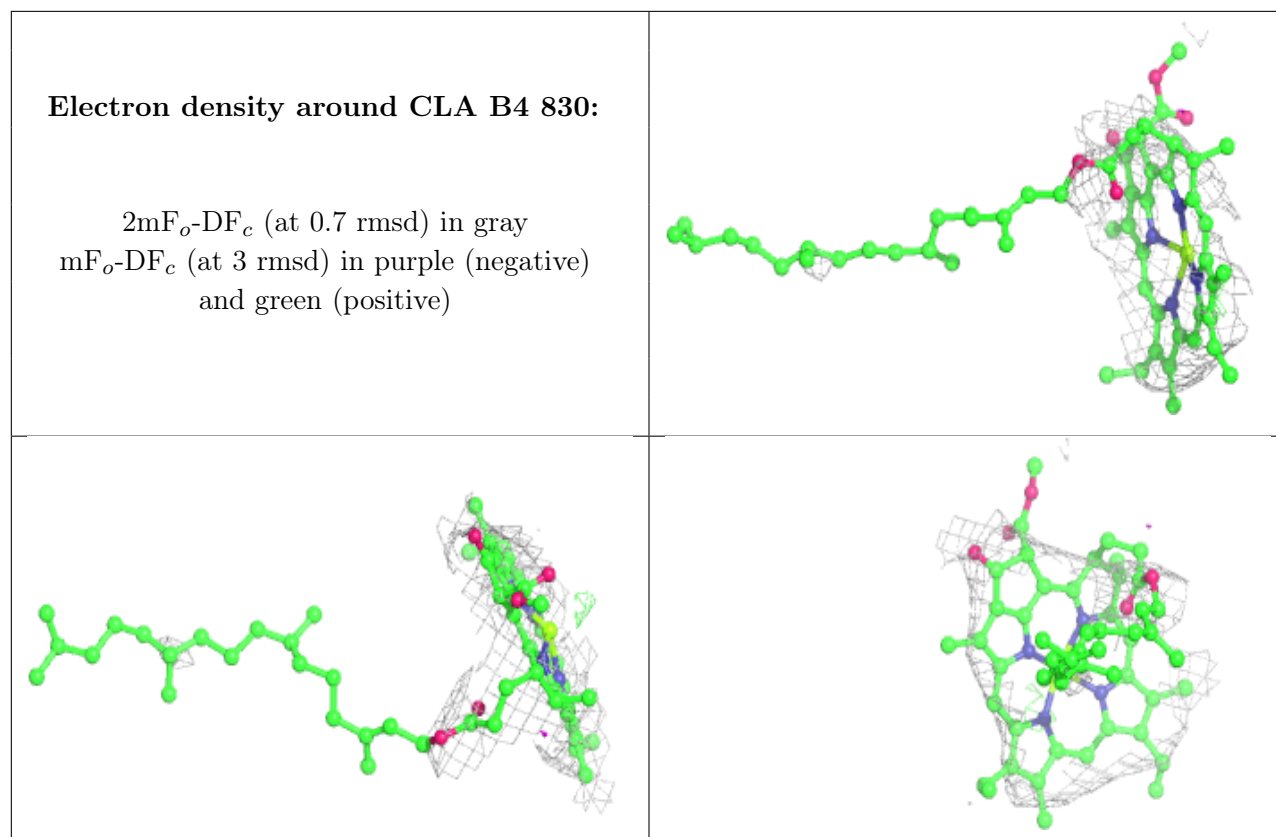
**Electron density around CLA A4 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1831:**

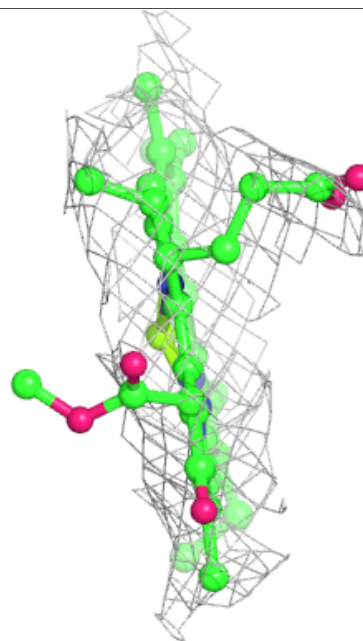
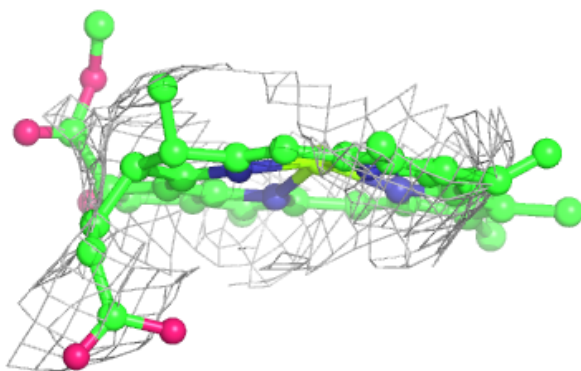
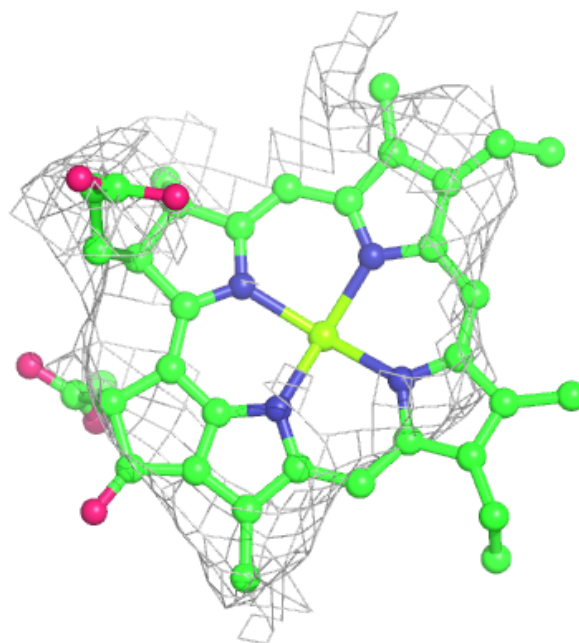
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B4 832:**

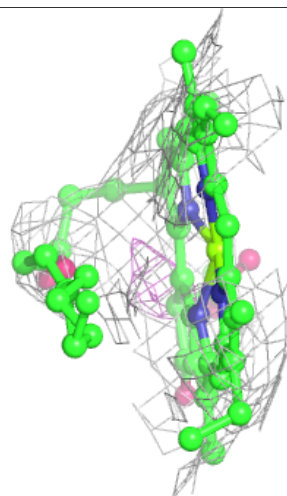
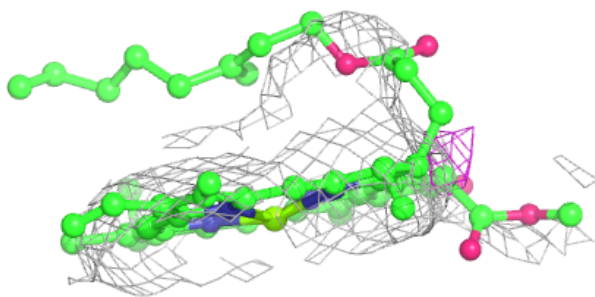
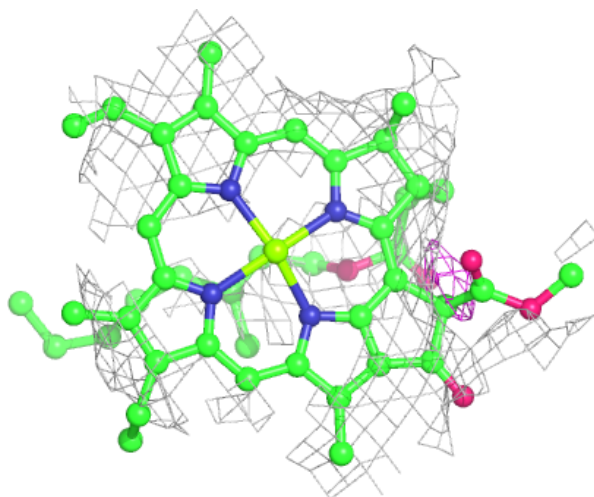
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

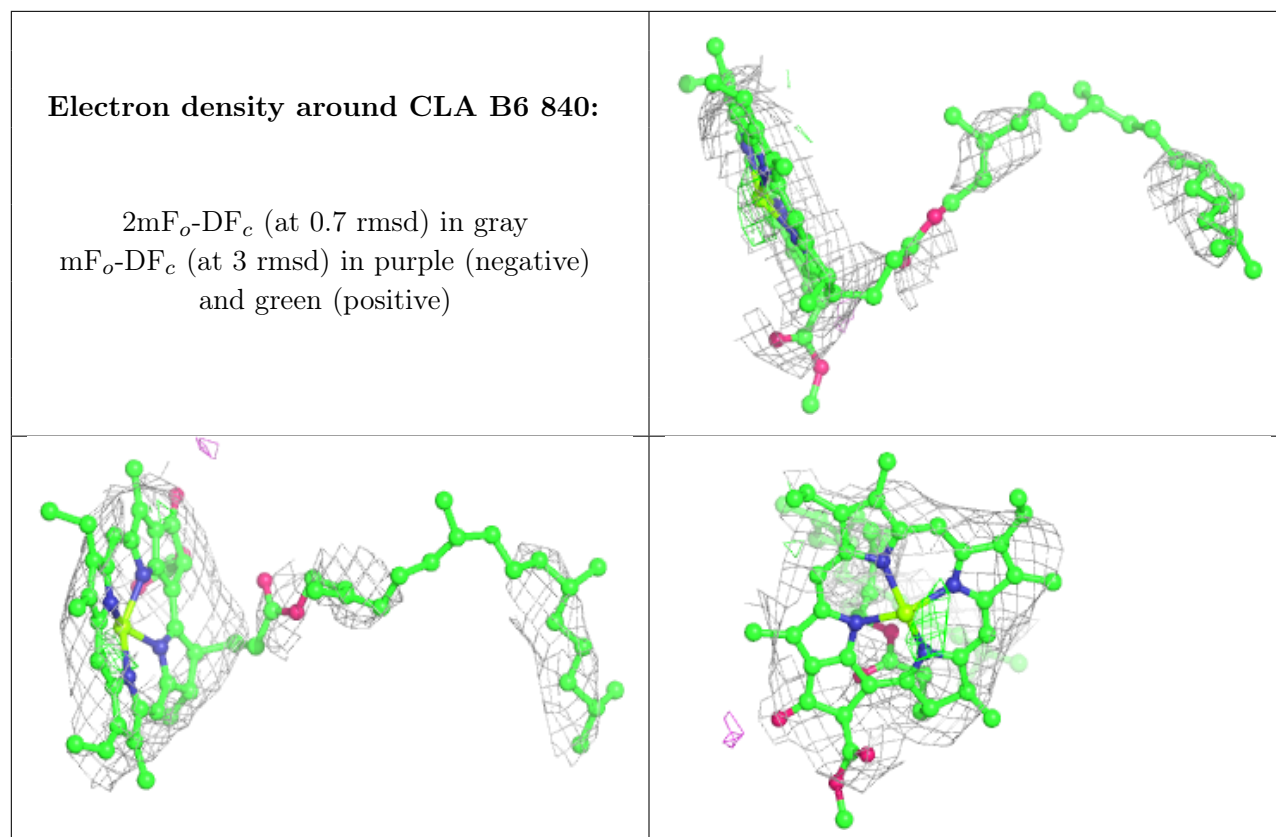




**Electron density around CLA A4 811:**

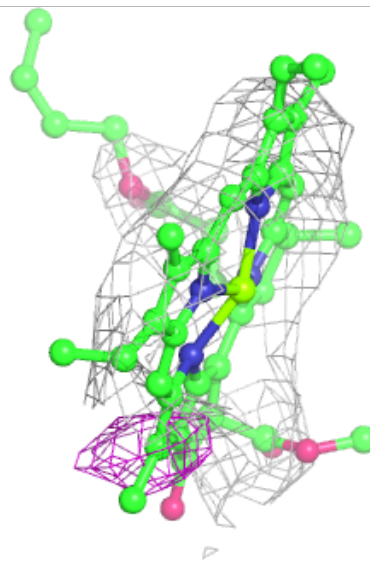
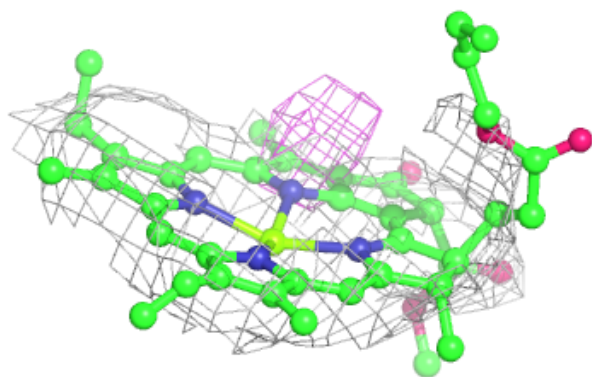
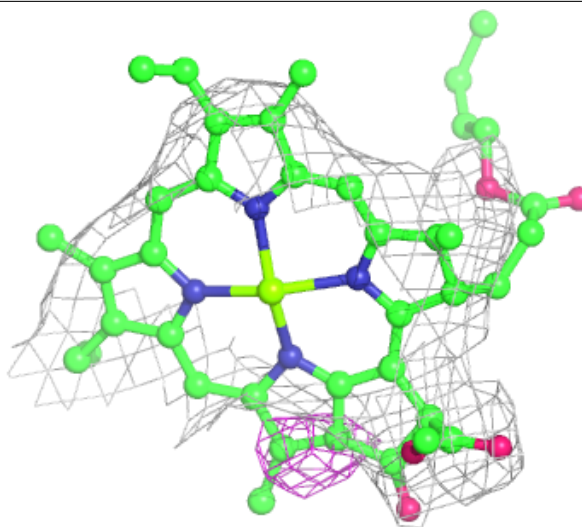
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





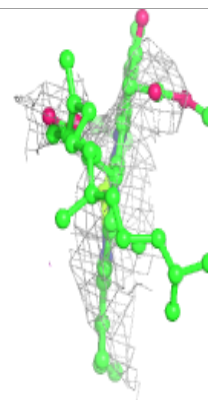
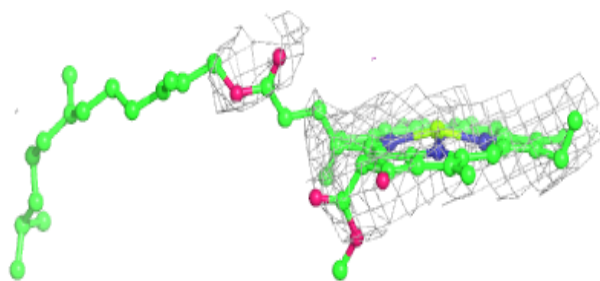
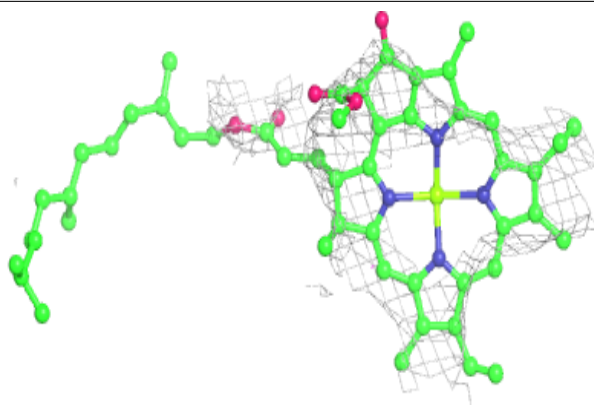
**Electron density around CLA A2 1624:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

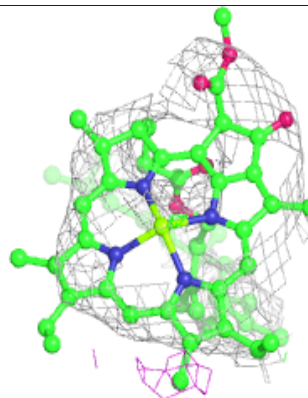
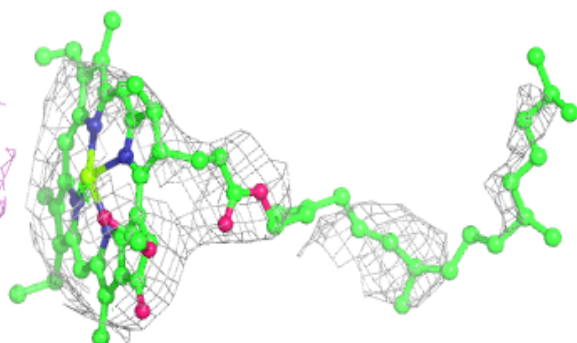
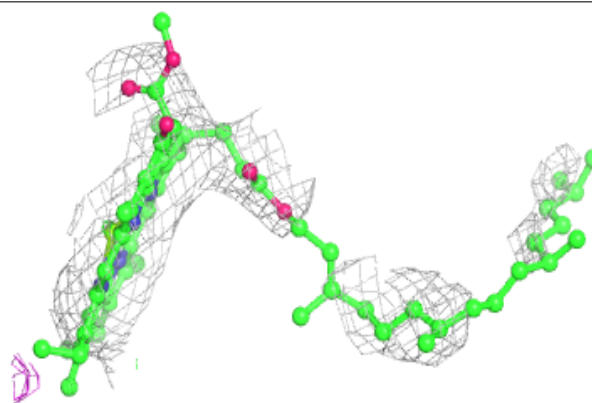


**Electron density around CLA B3 1839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

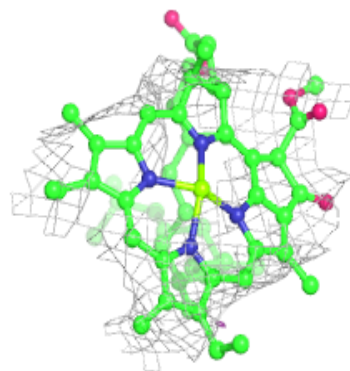
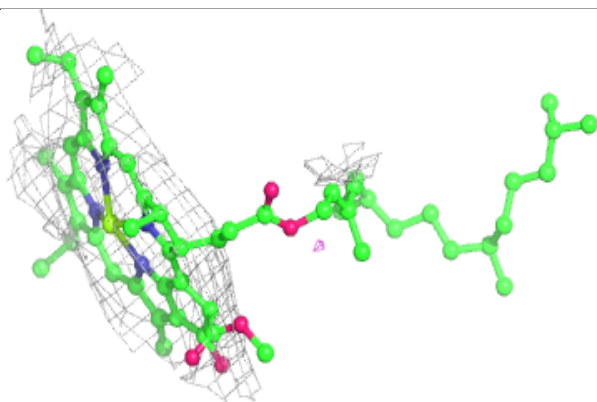
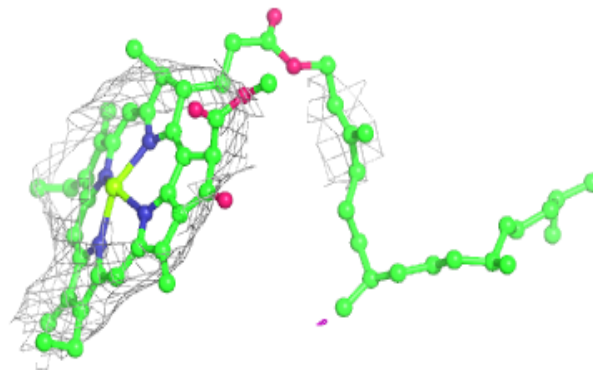
**Electron density around CLA B5 1842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

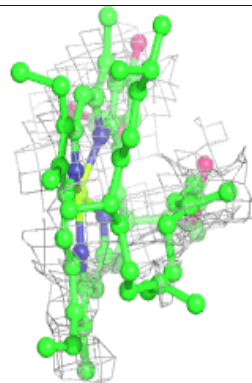
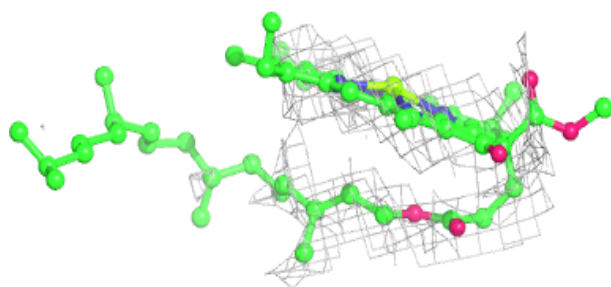
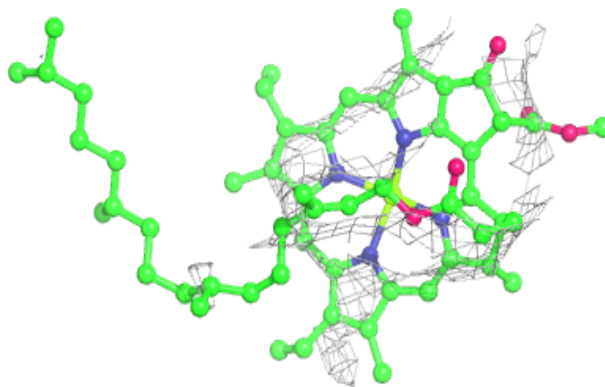


**Electron density around CLA B4 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

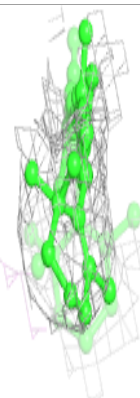
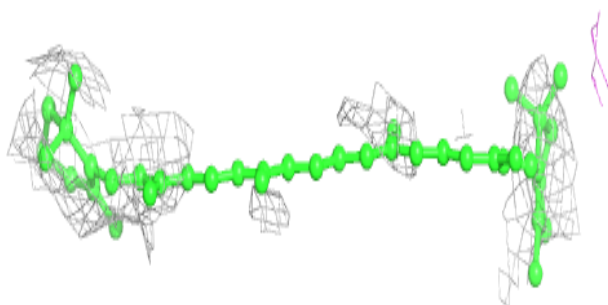
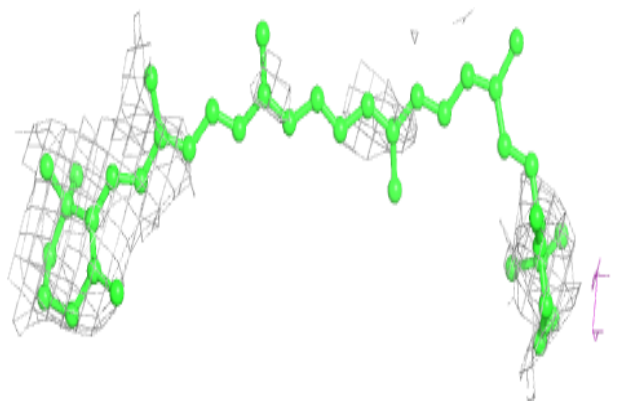
**Electron density around CLA B4 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

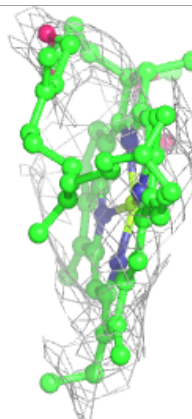
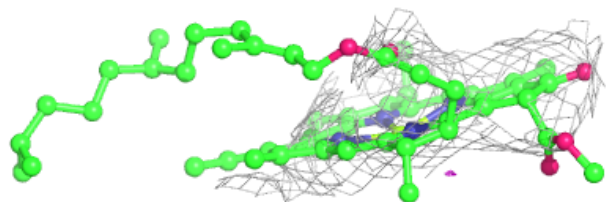
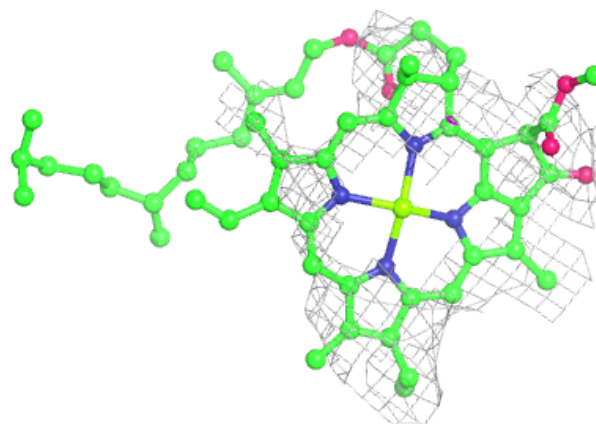


**Electron density around BCR L6 204:**

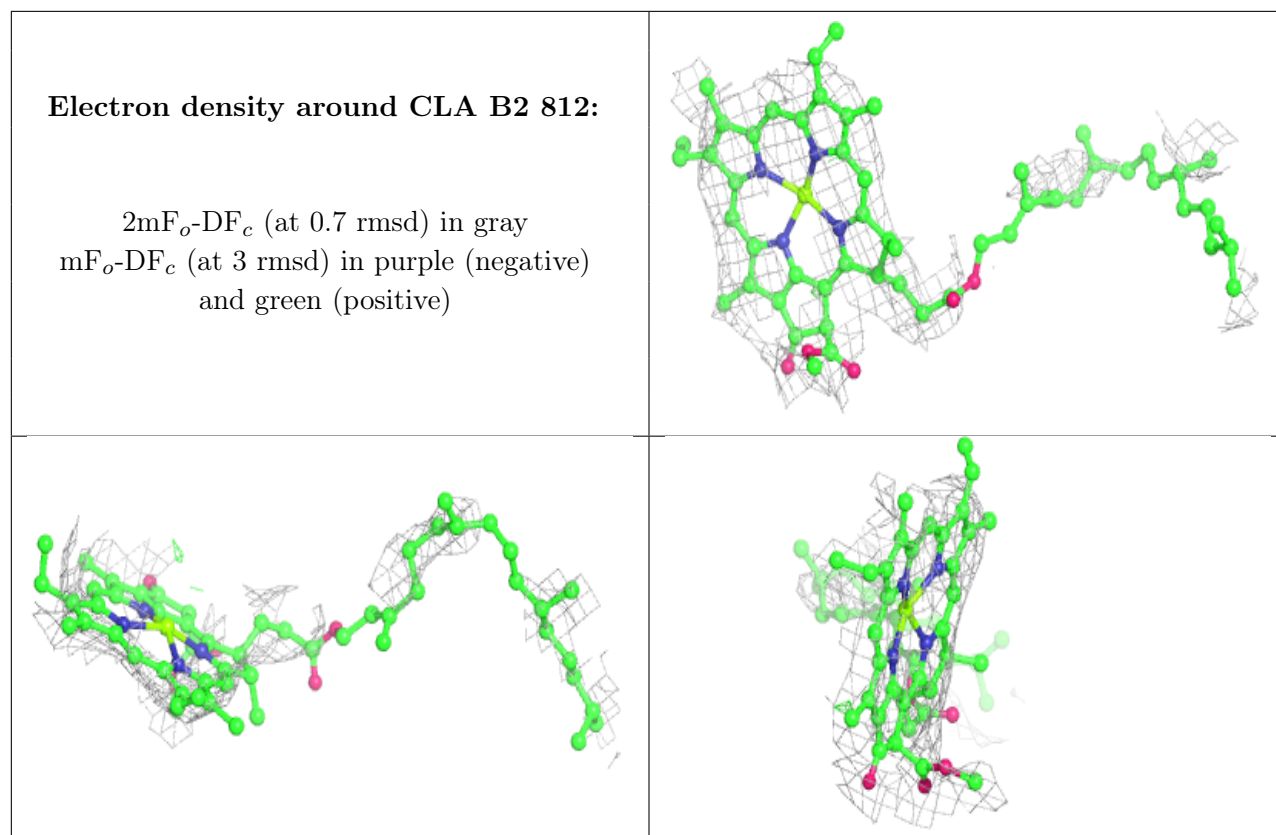
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B3 1820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

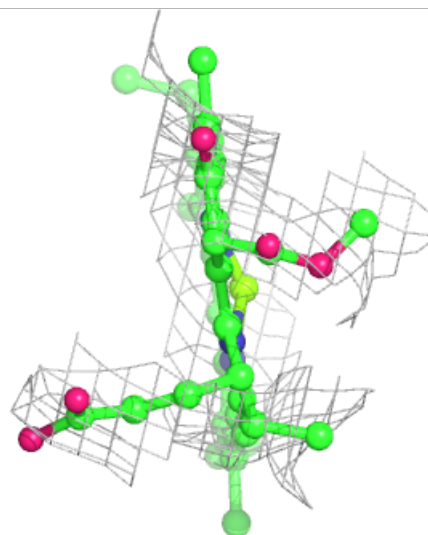
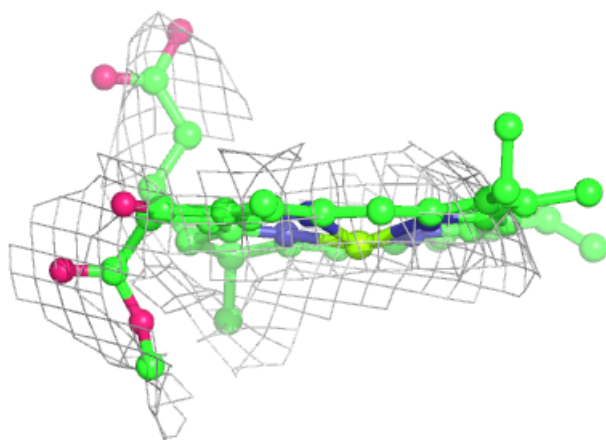
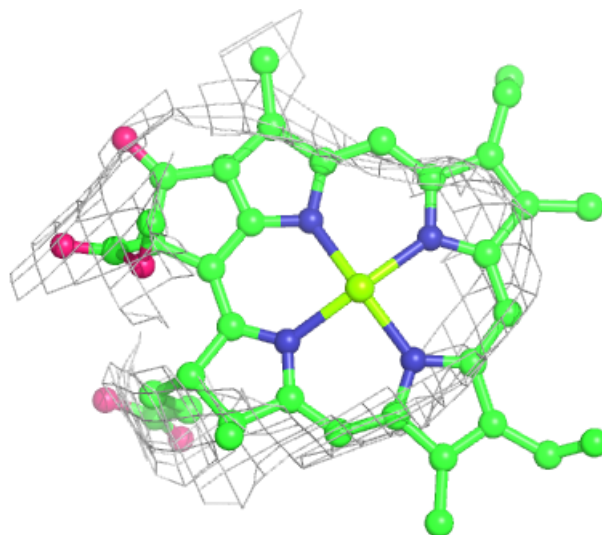






**Electron density around CLA B3 1836:**

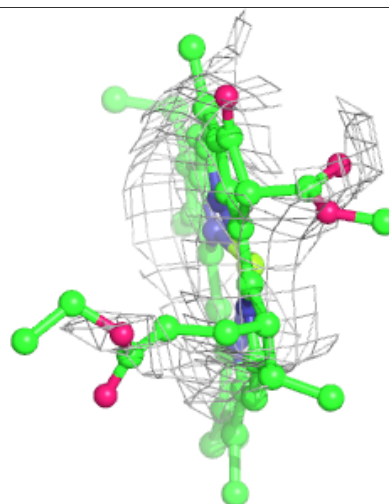
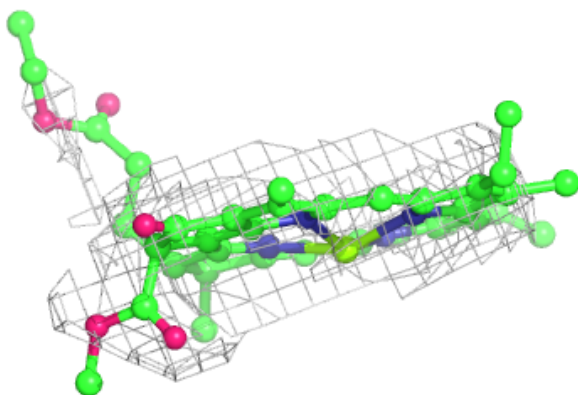
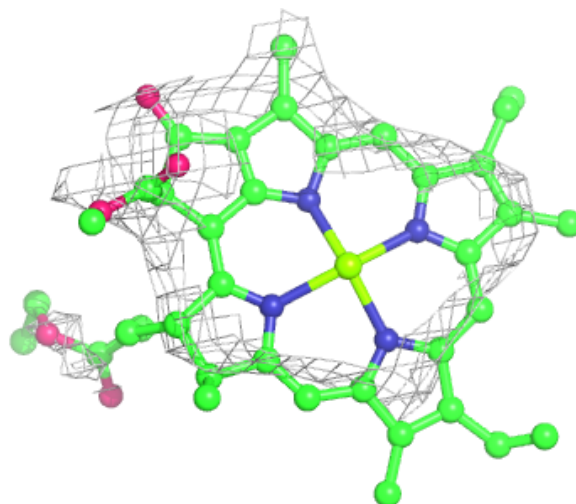
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

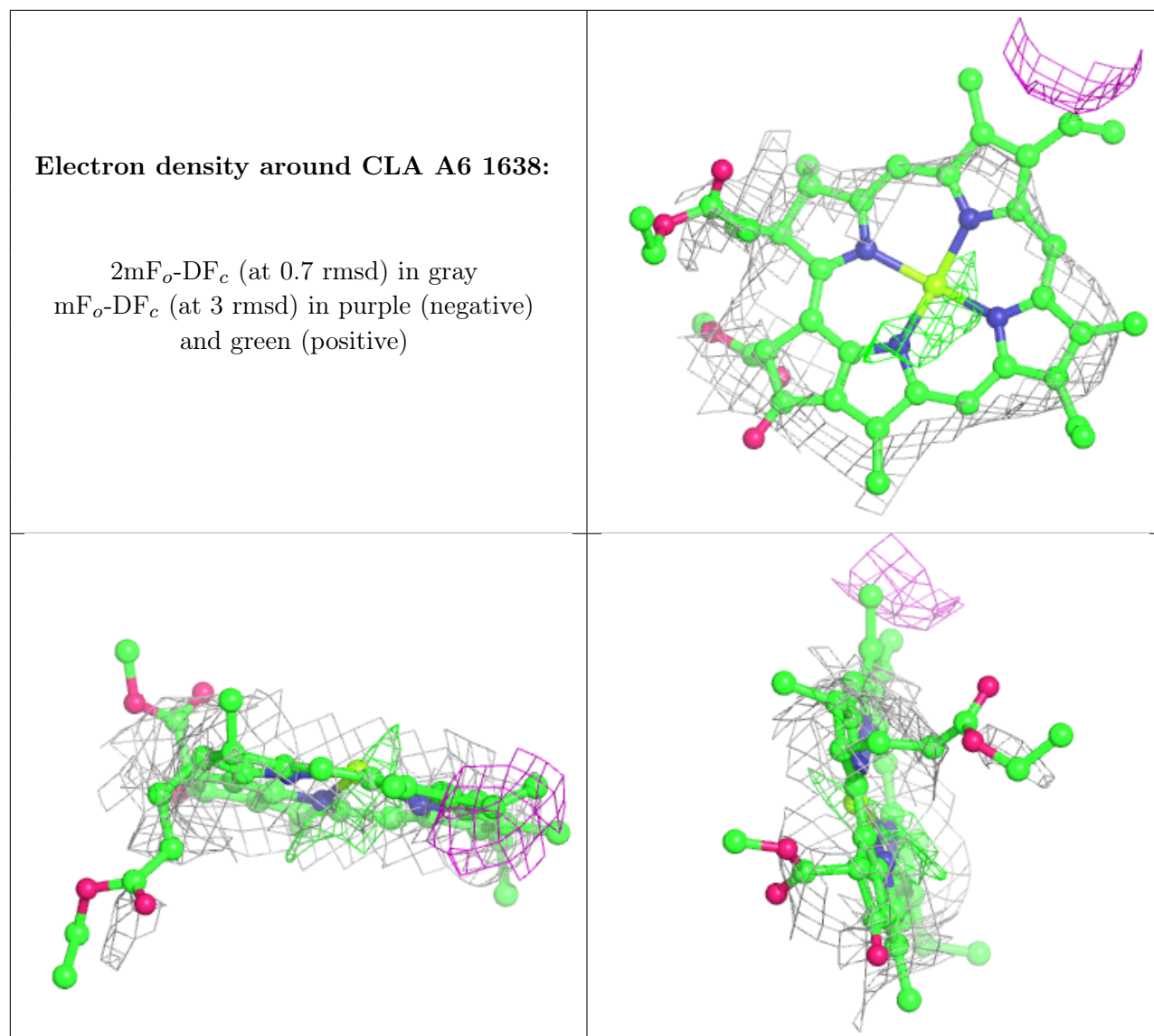




**Electron density around CLA A4 837:**

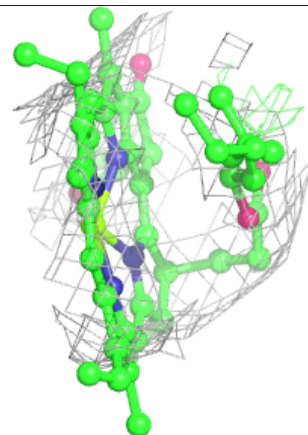
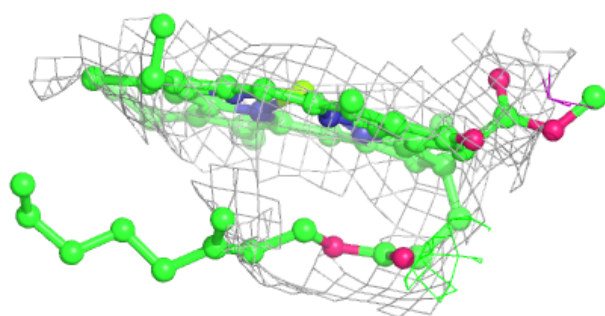
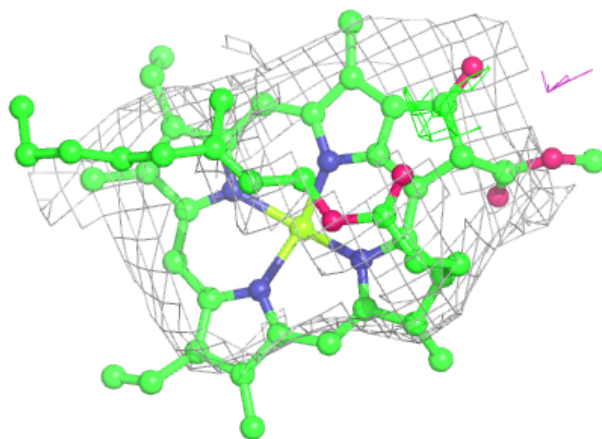
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



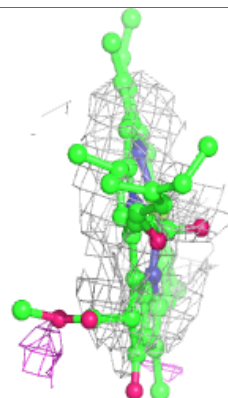
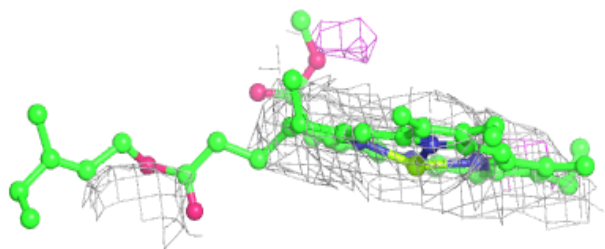
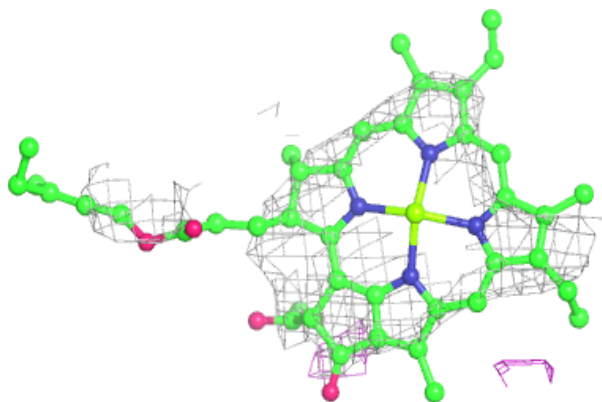


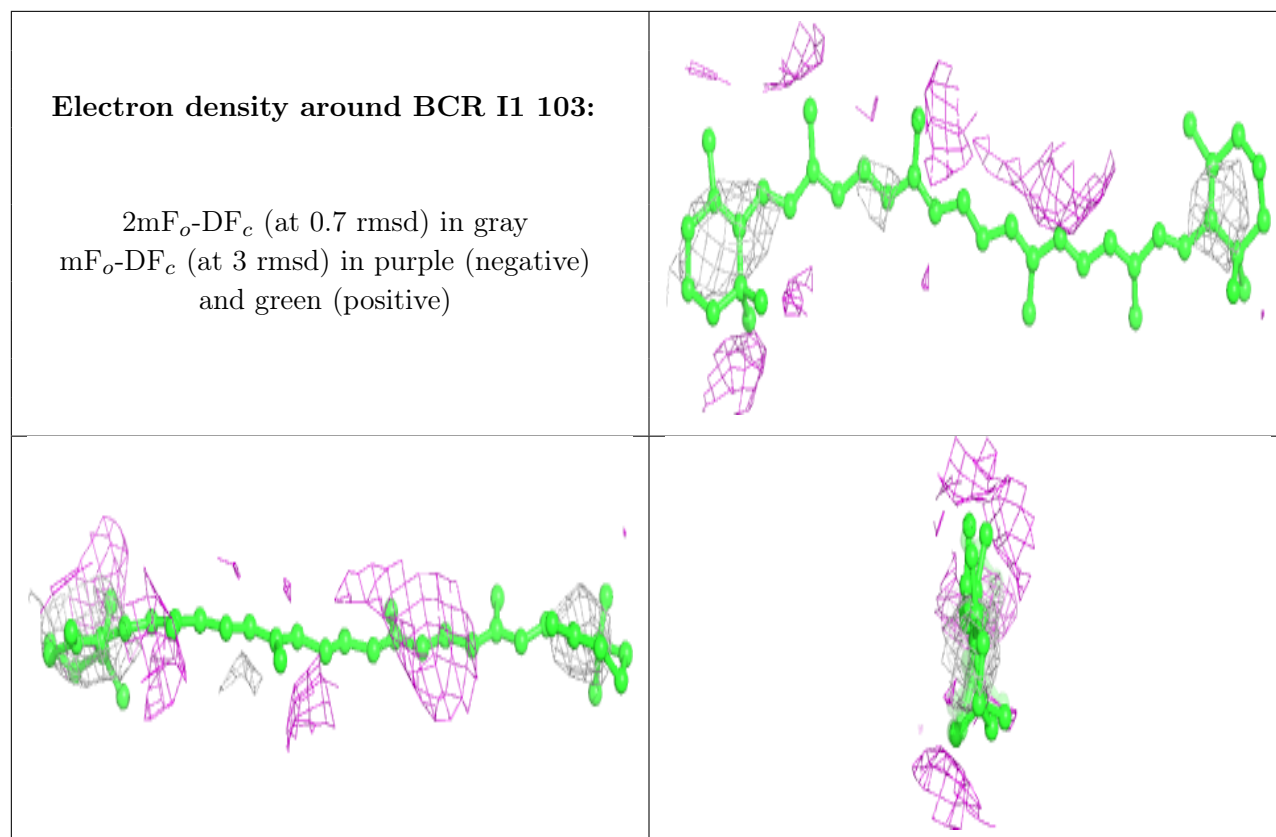
**Electron density around CLA A2 1619:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A1 834:**

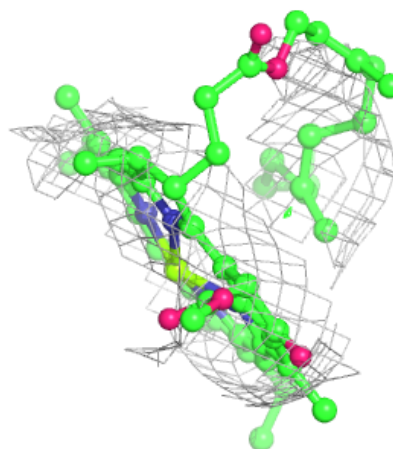
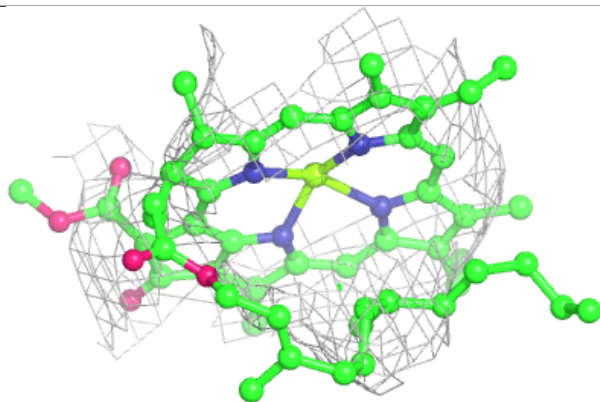
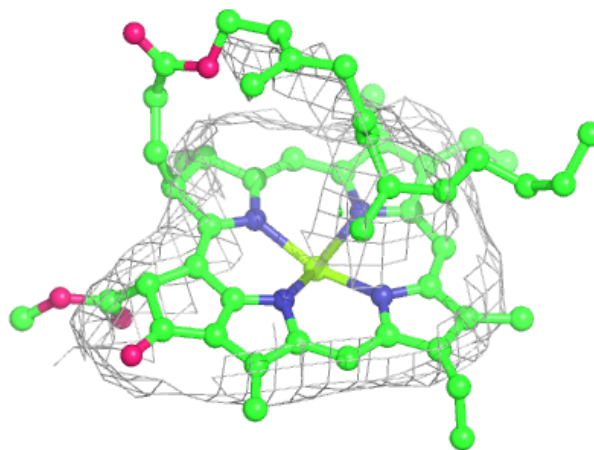
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





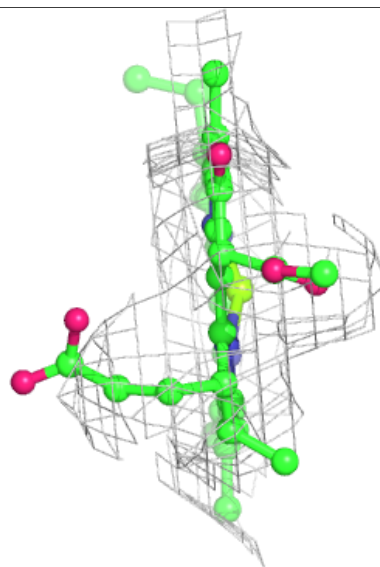
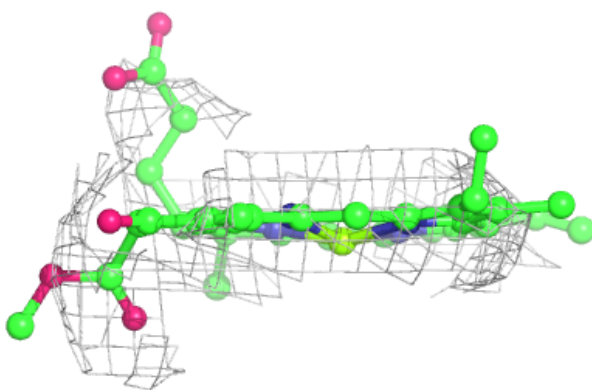
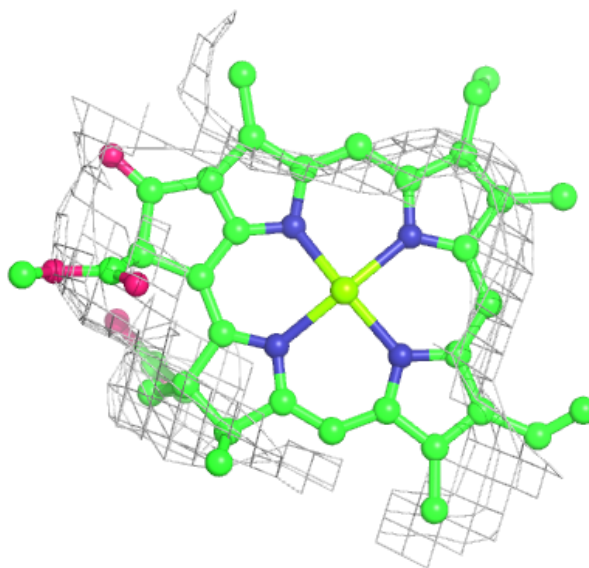
**Electron density around CLA B2 816:**

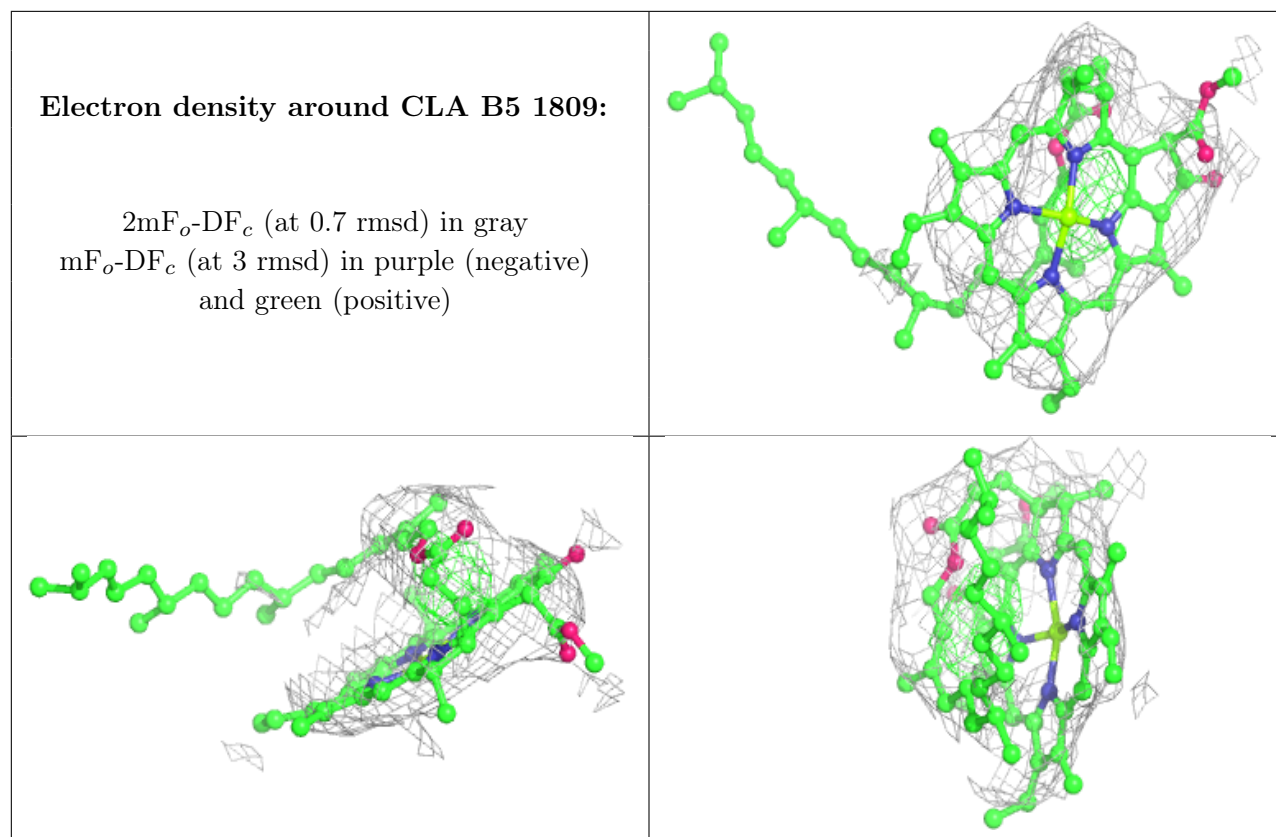
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B6 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

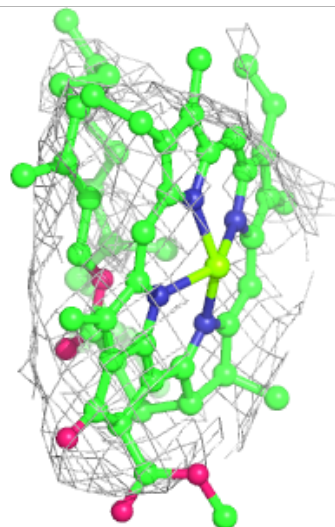
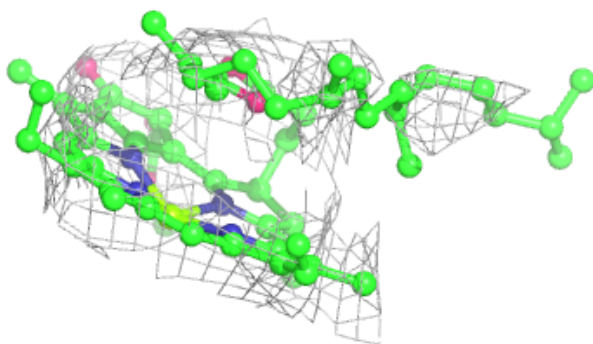
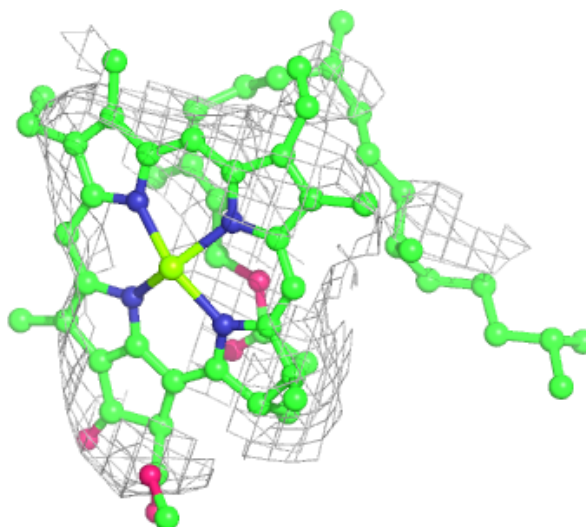






**Electron density around CLA B1 810:**

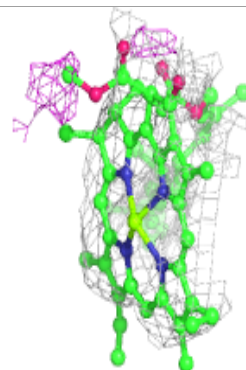
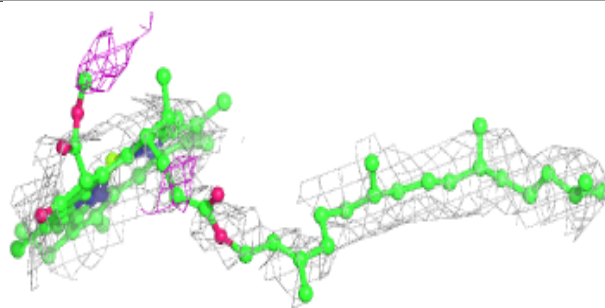
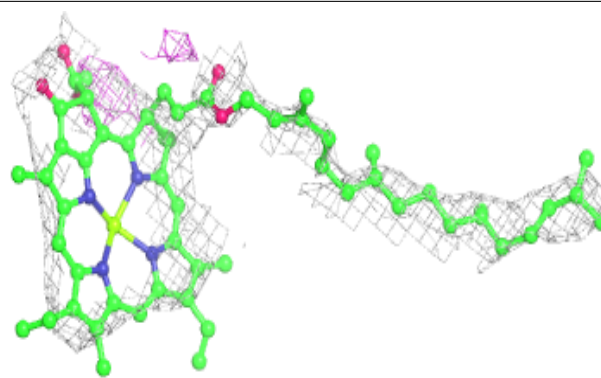
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



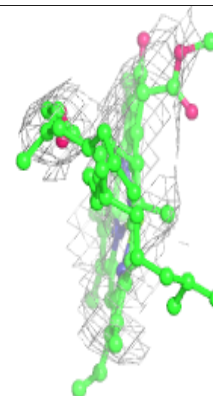
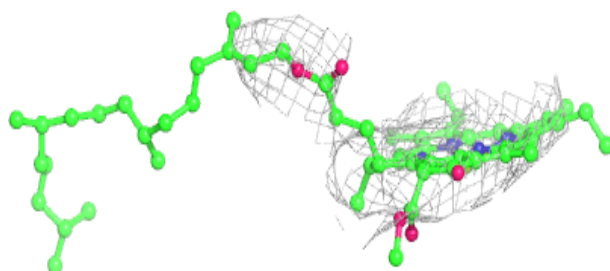
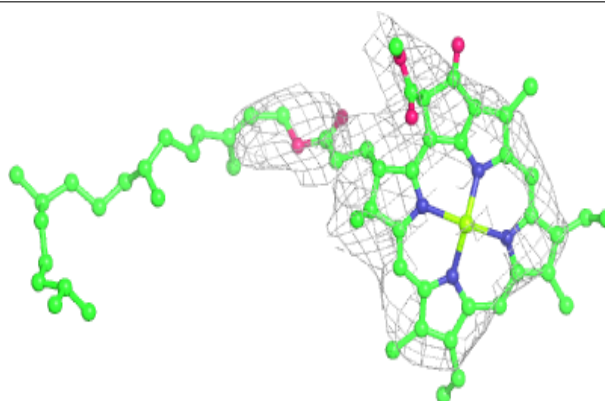


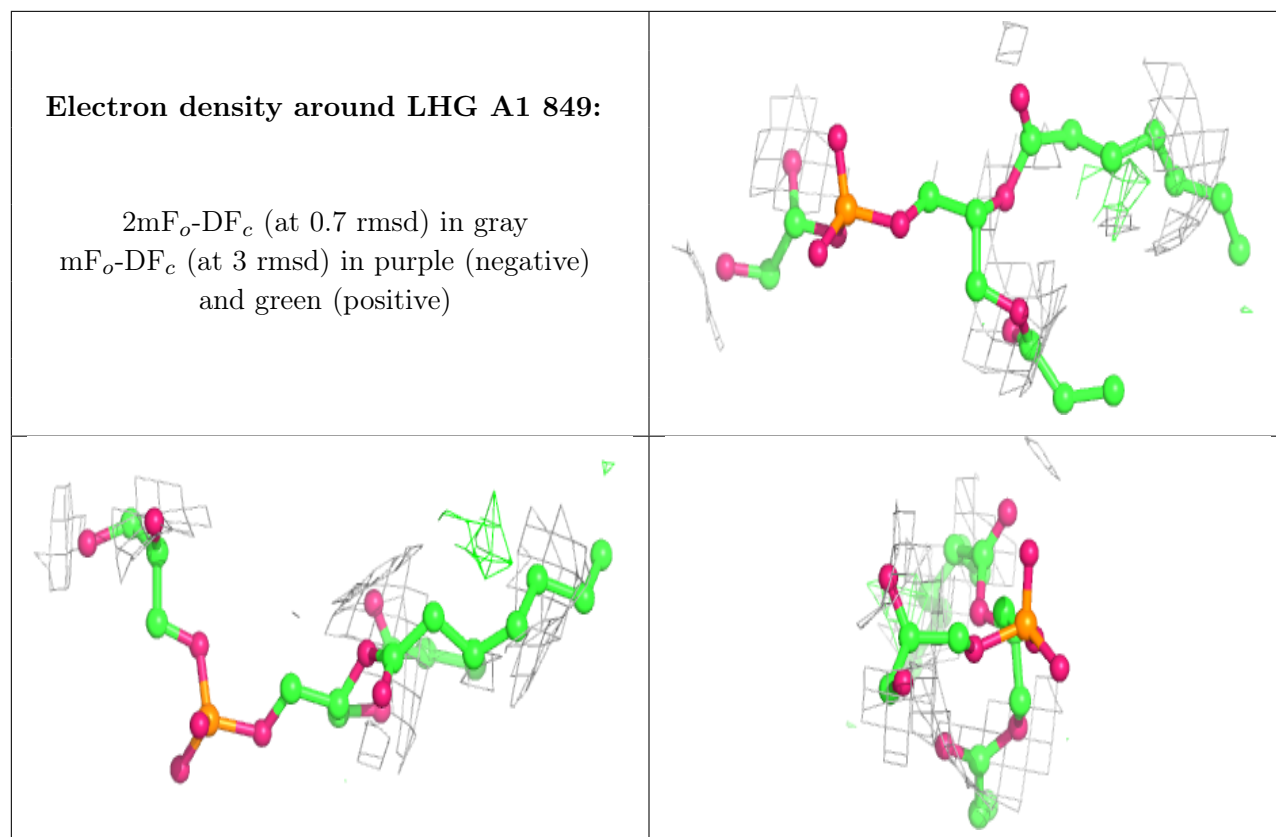
**Electron density around CLA L5 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A1 825:**

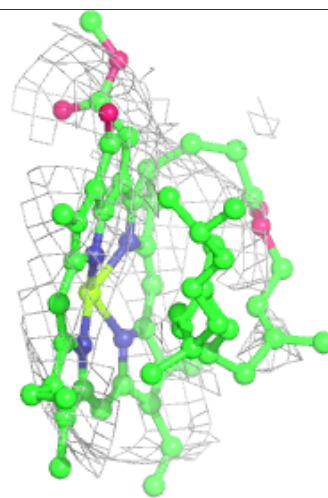
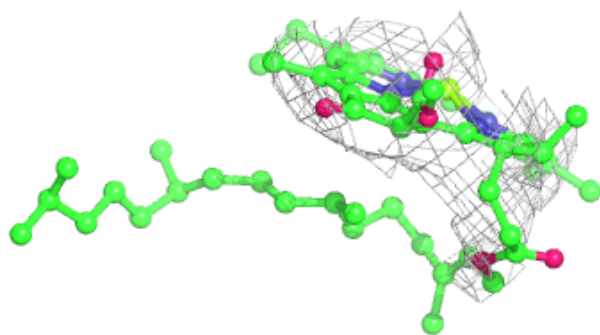
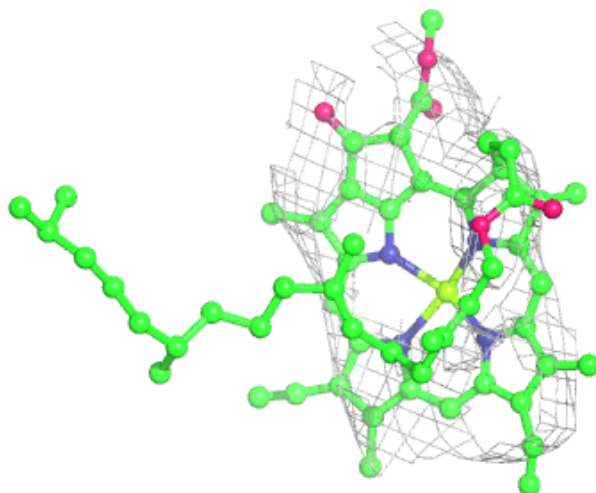
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

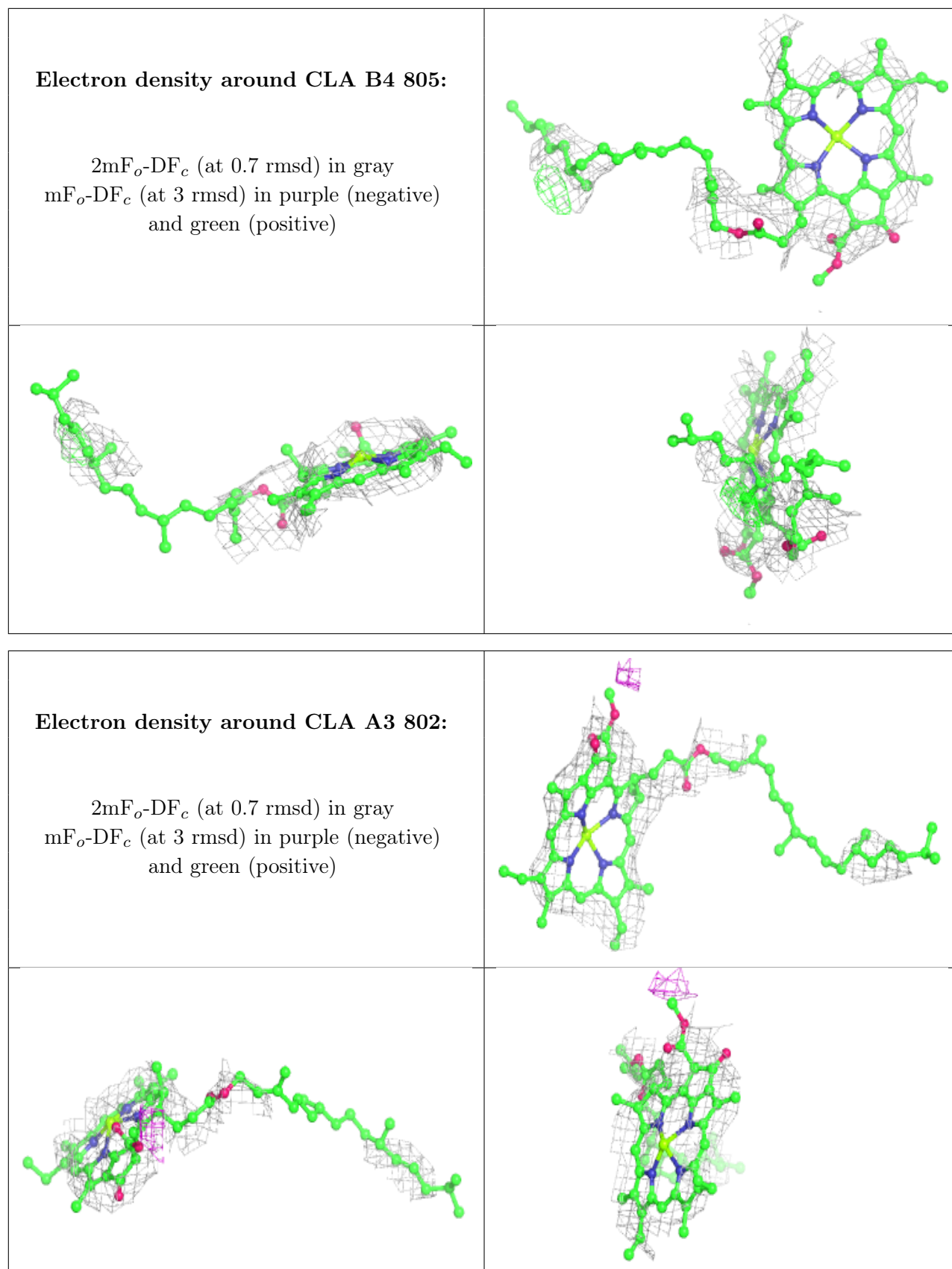




**Electron density around CLA B1 828:**

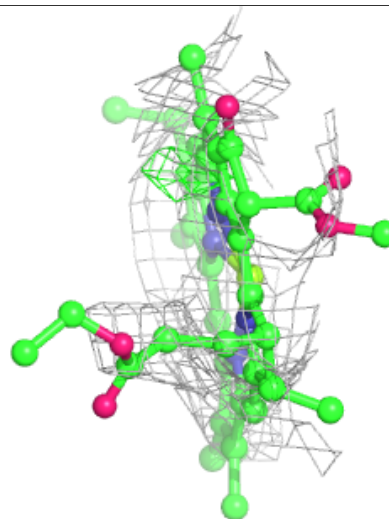
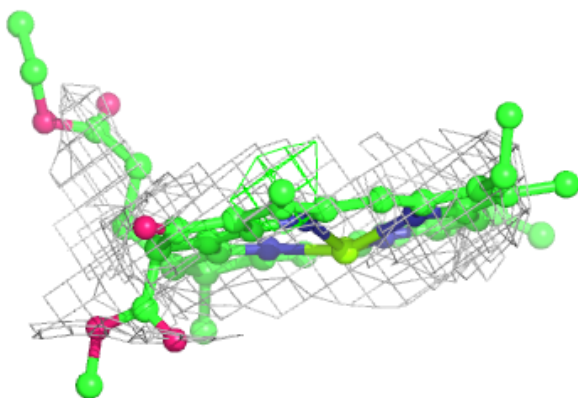
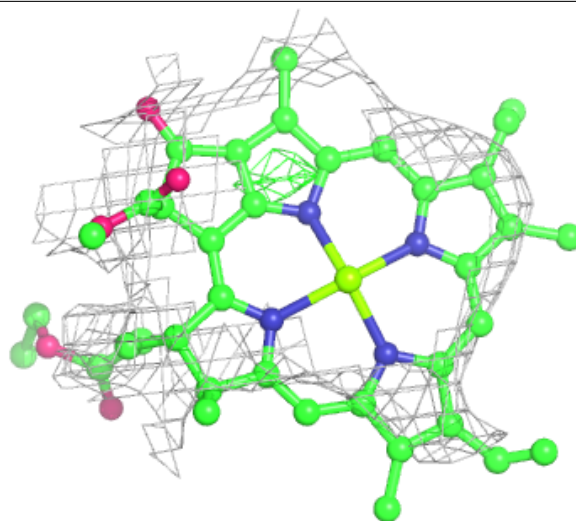
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

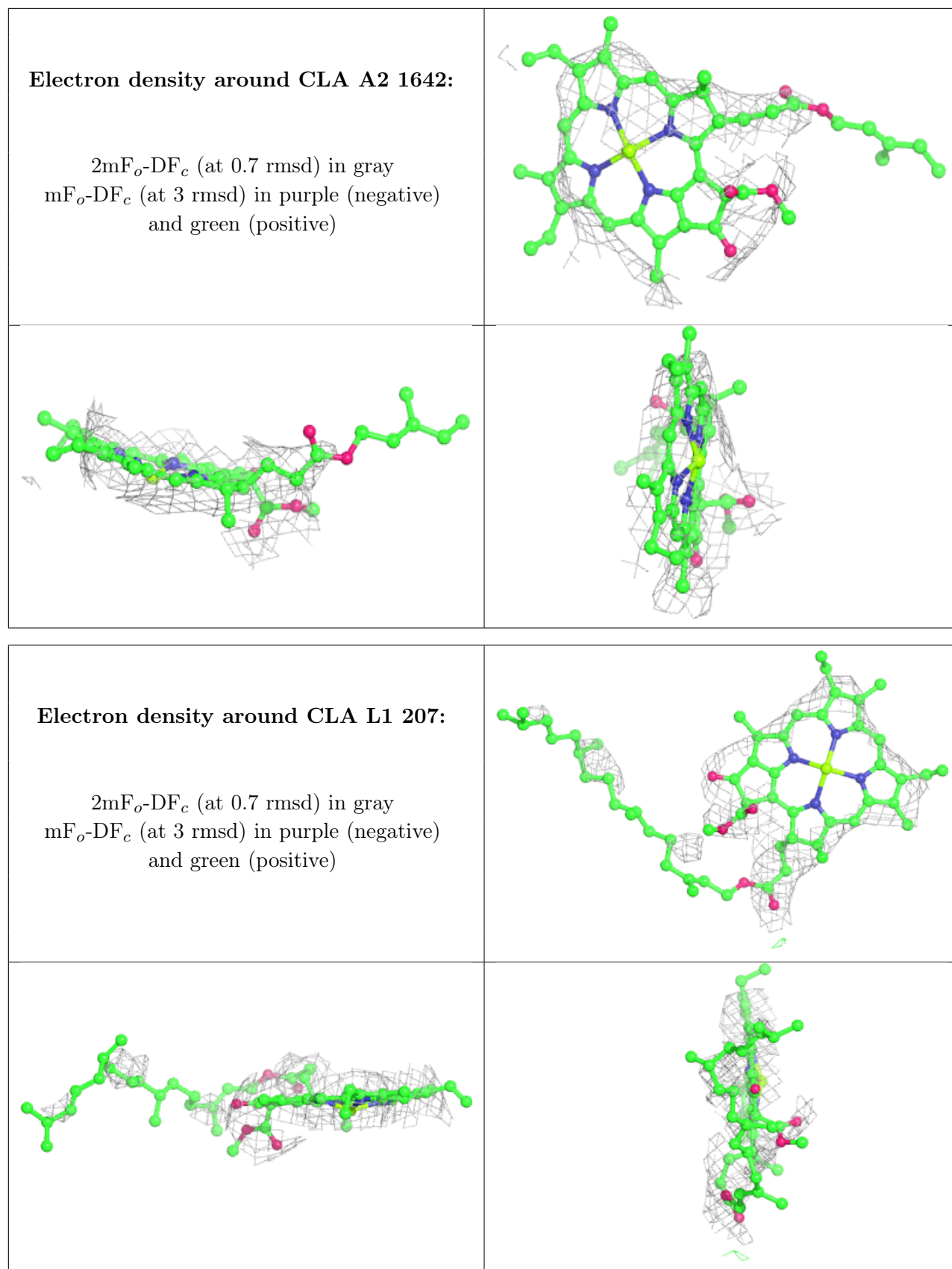




**Electron density around CLA A2 1640:**

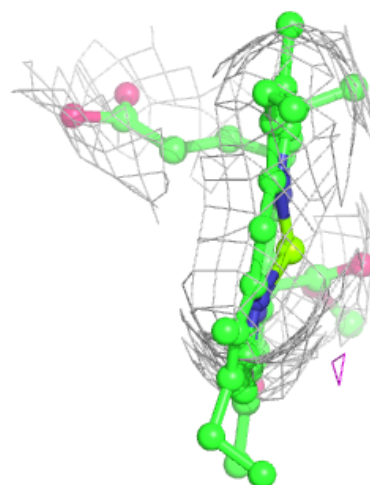
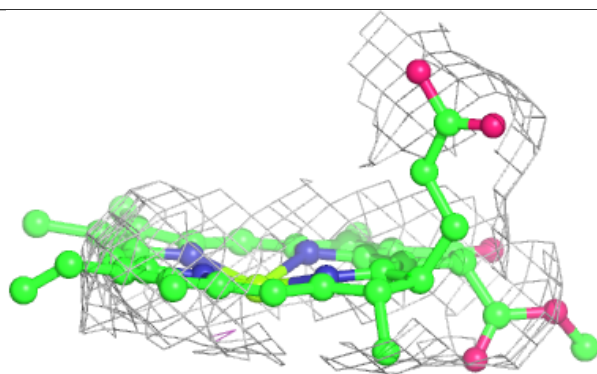
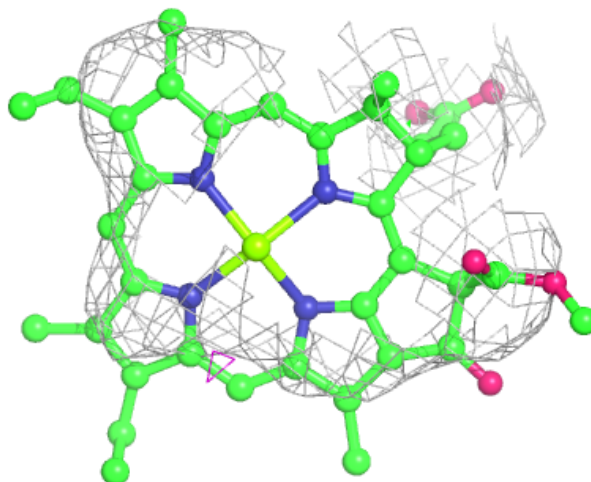
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B2 810:**

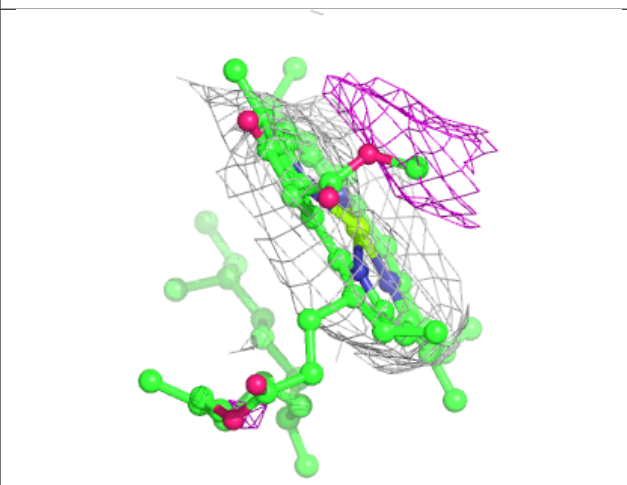
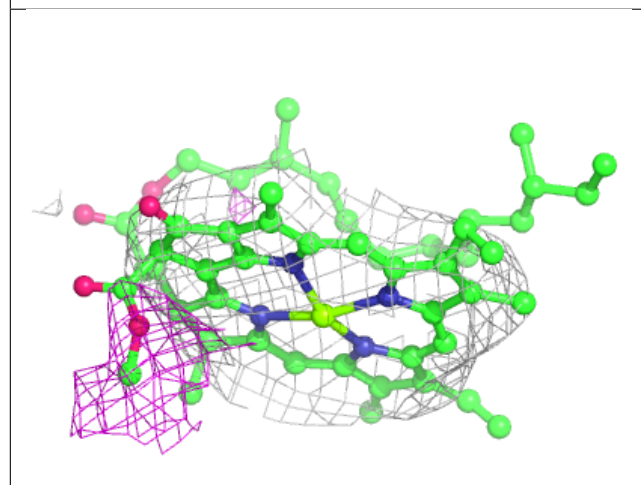
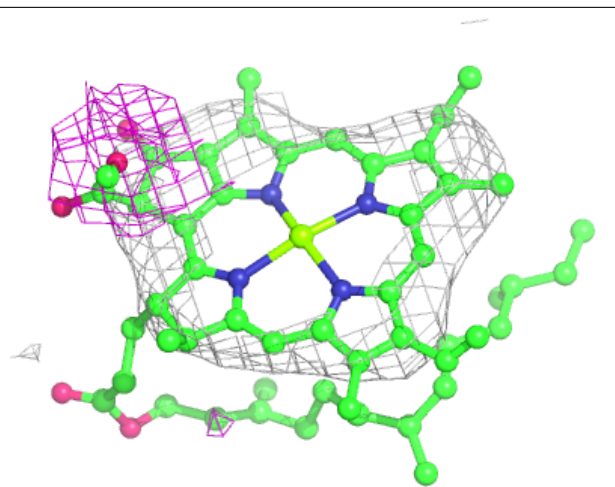
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



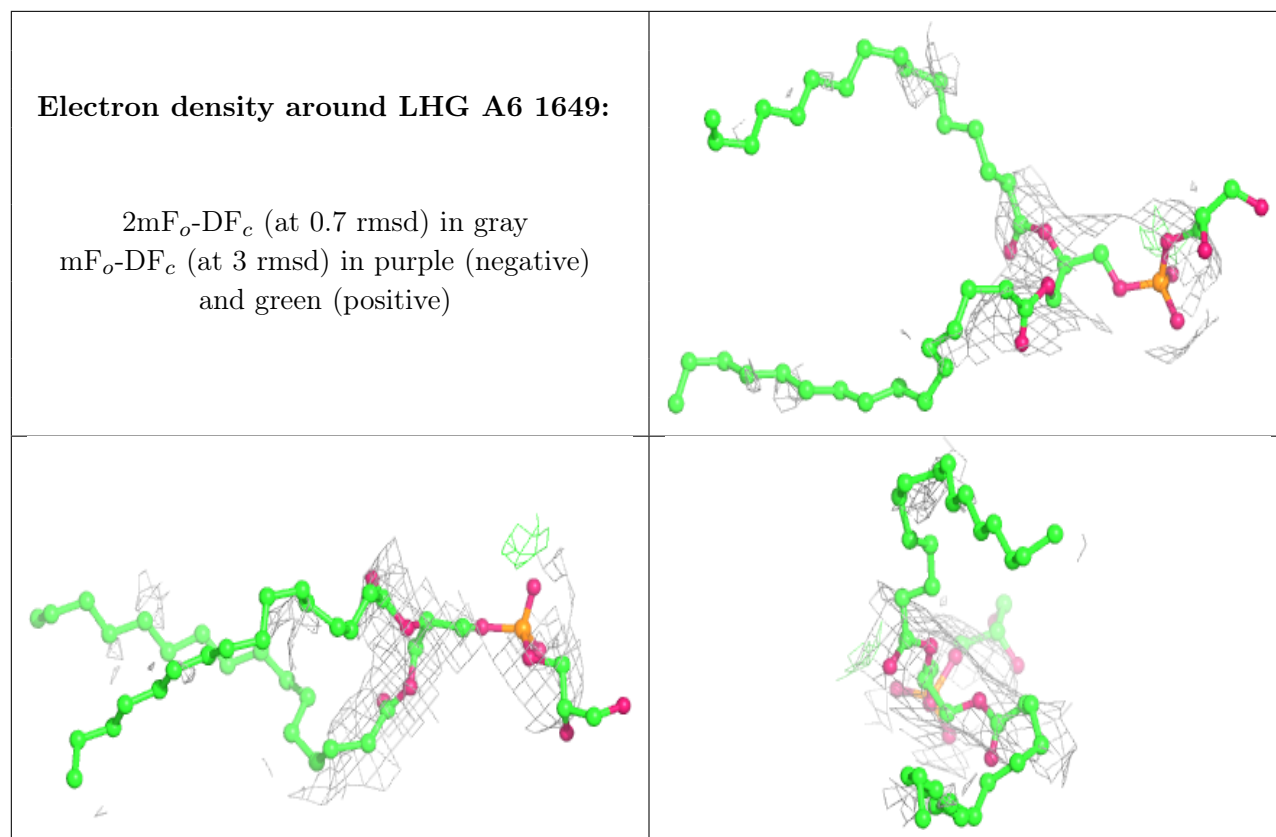


**Electron density around CLA A3 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

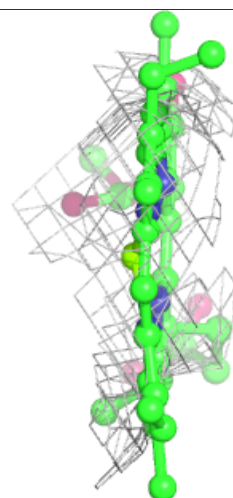
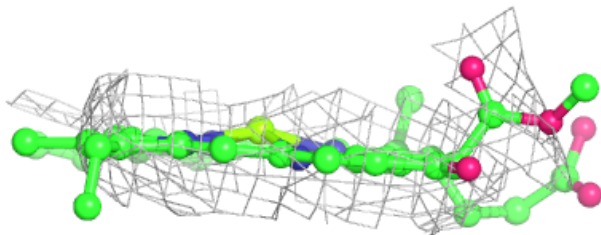
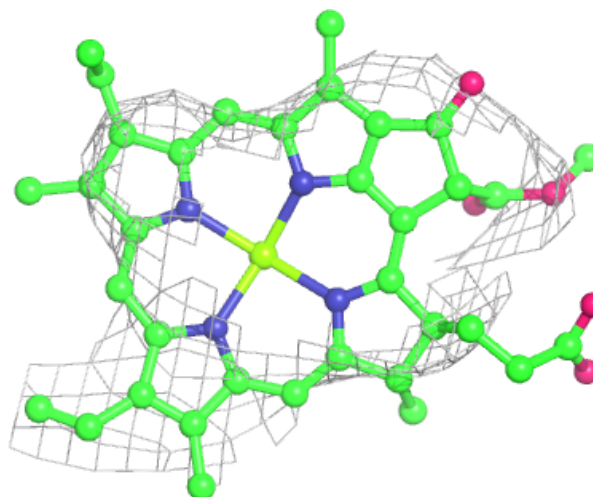






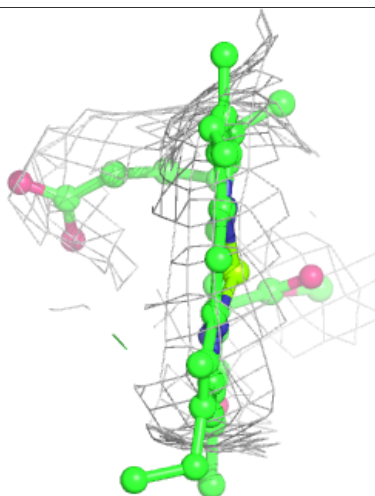
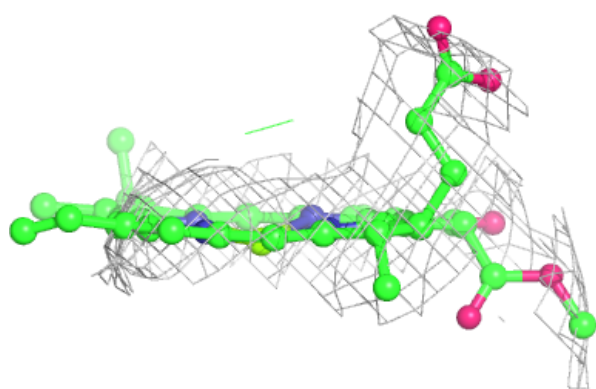
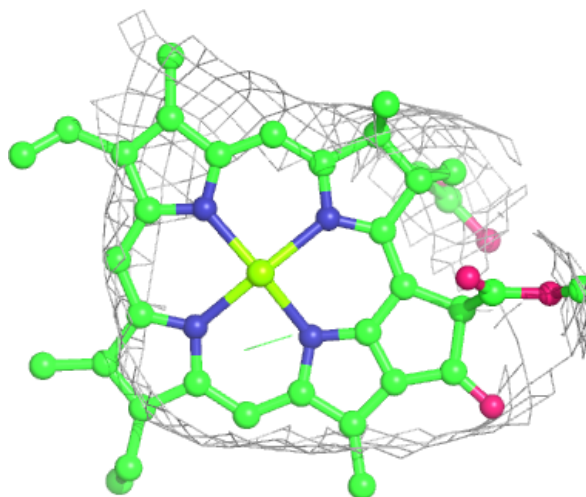
**Electron density around CLA B6 836:**

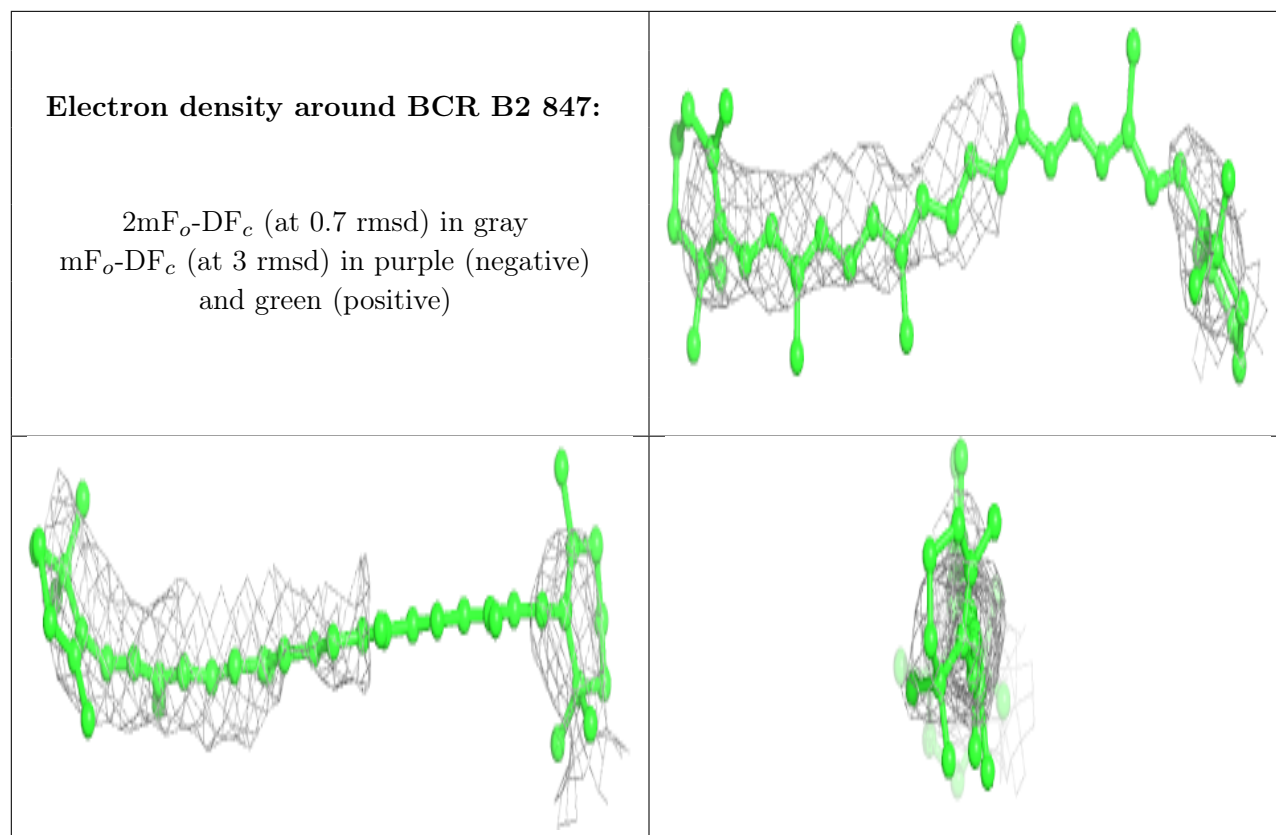
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B4 814:**

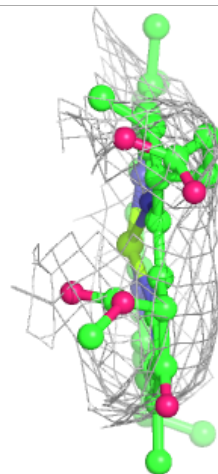
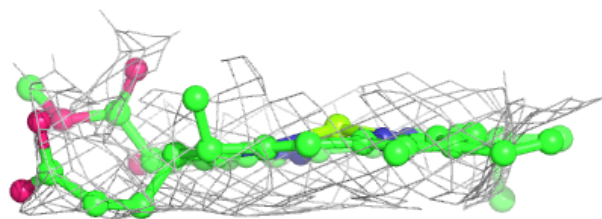
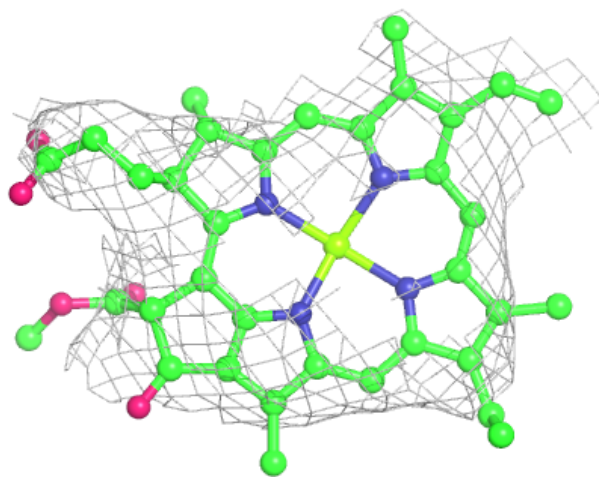
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





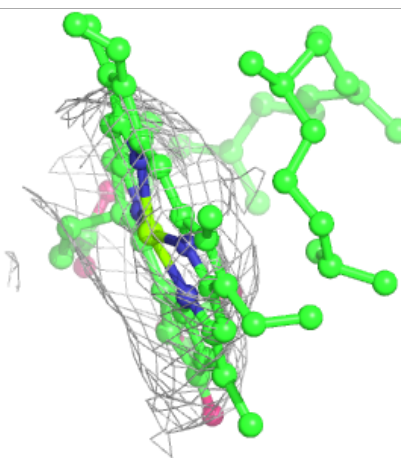
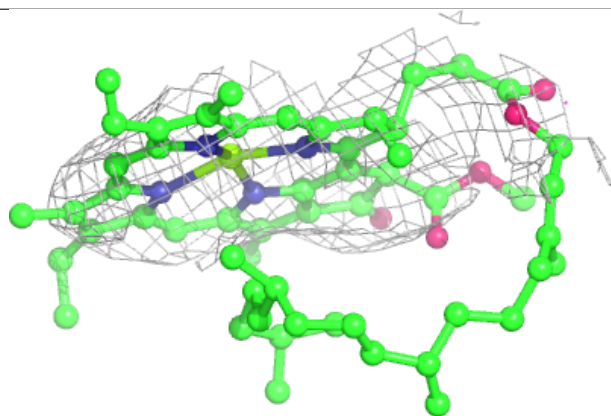
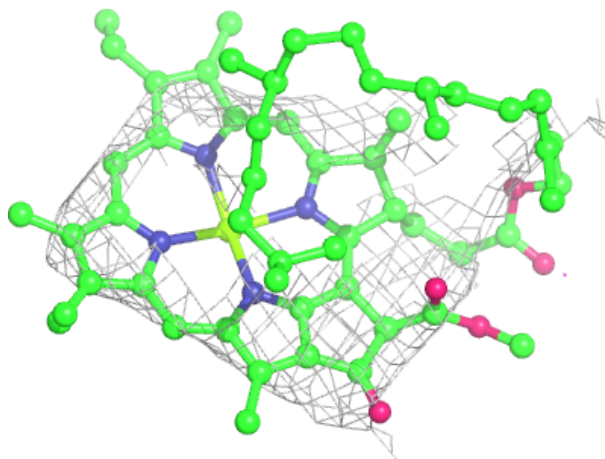
**Electron density around CLA B2 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



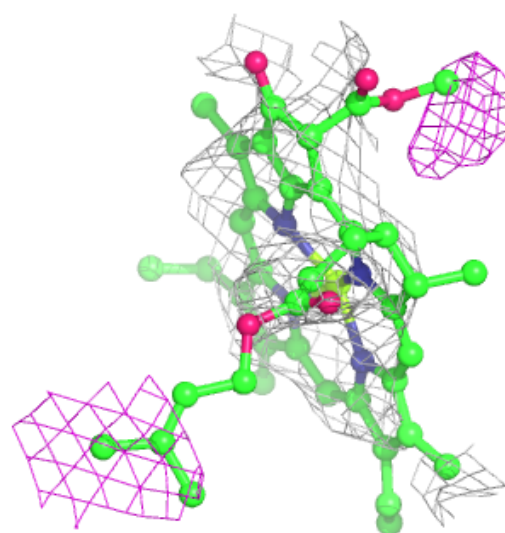
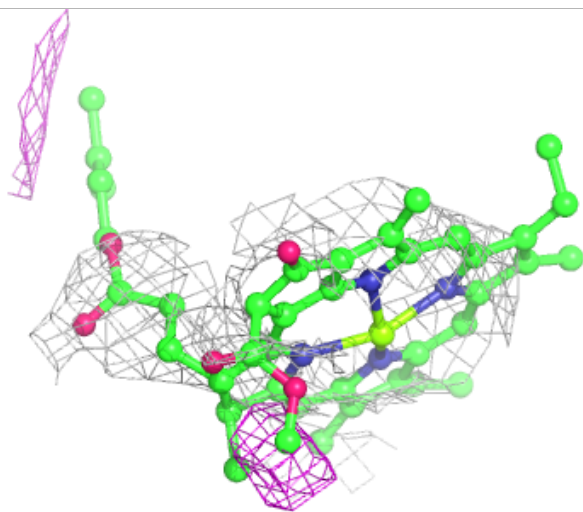
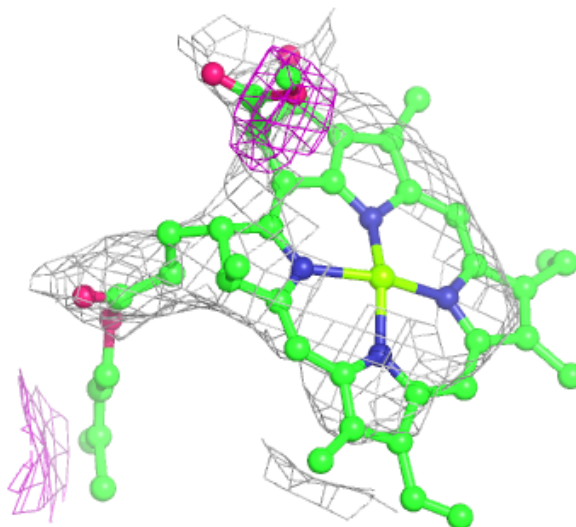
**Electron density around CLA A4 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A4 830:**

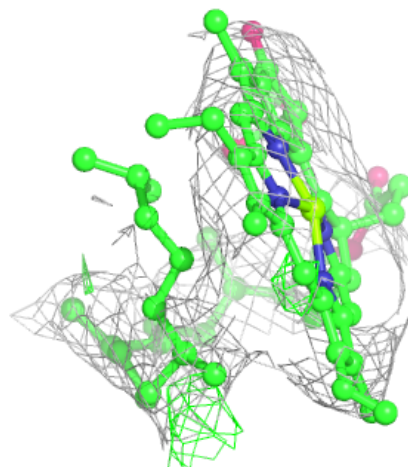
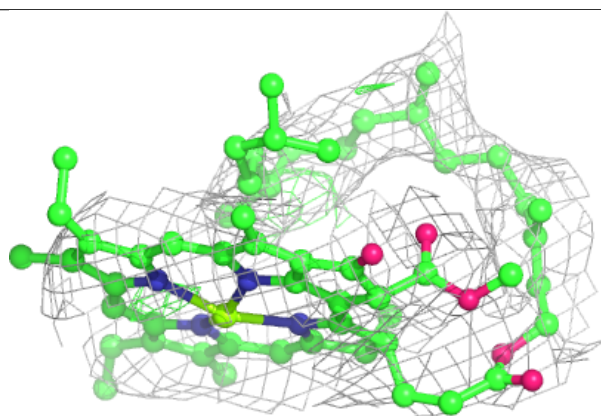
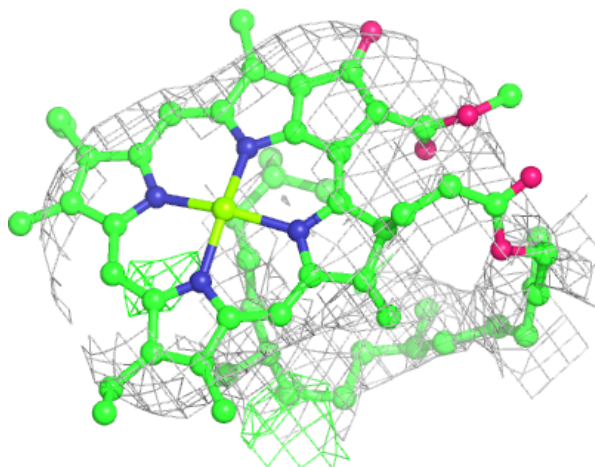
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA A6 1606:**

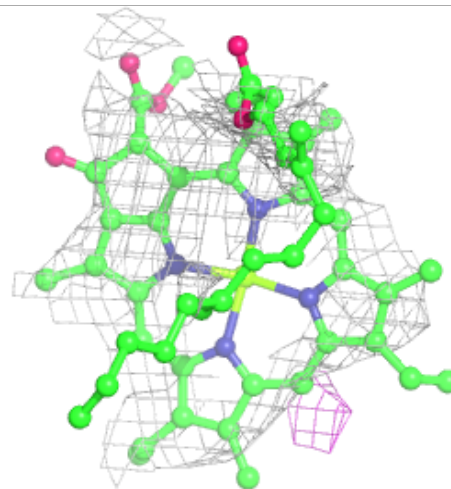
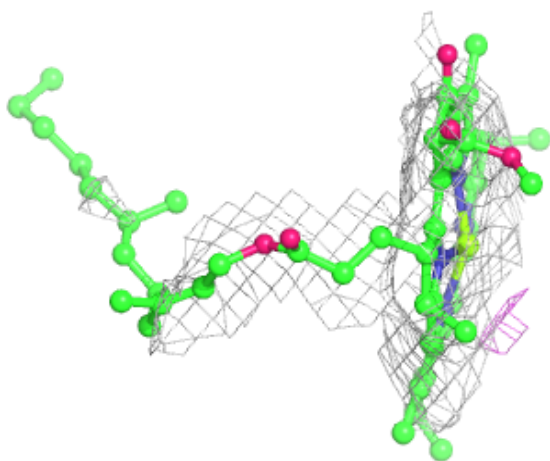
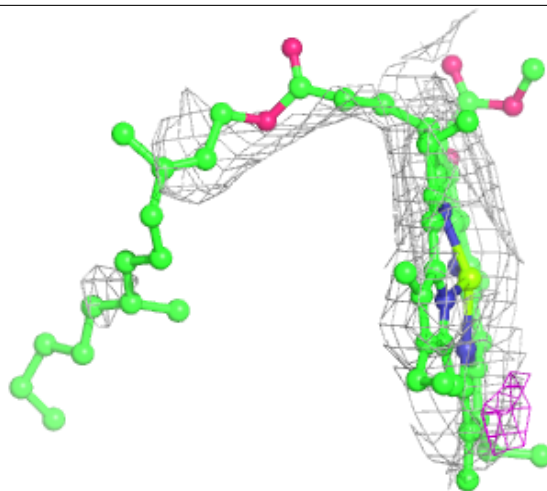
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

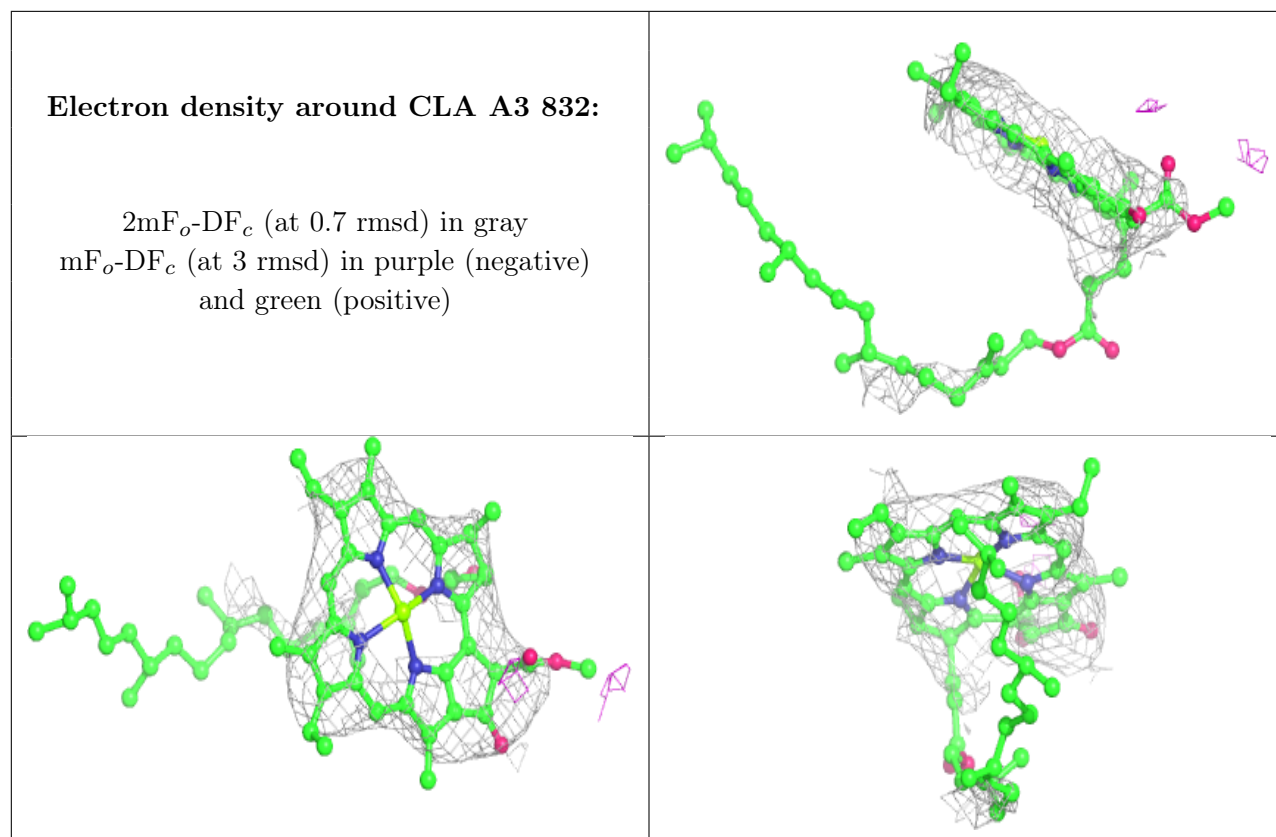




**Electron density around CLA A5 804:**

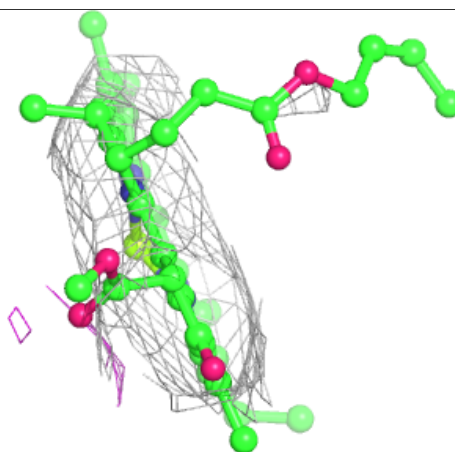
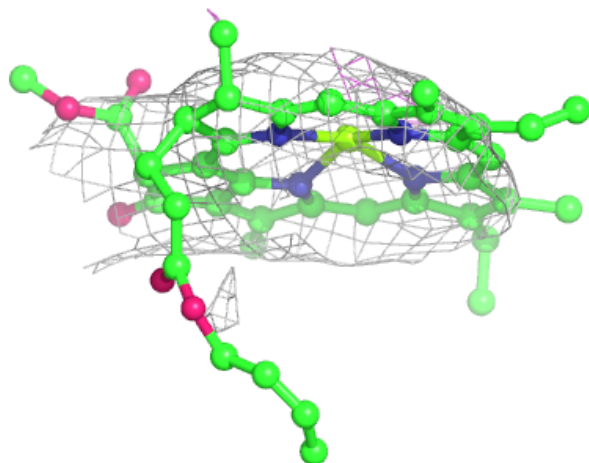
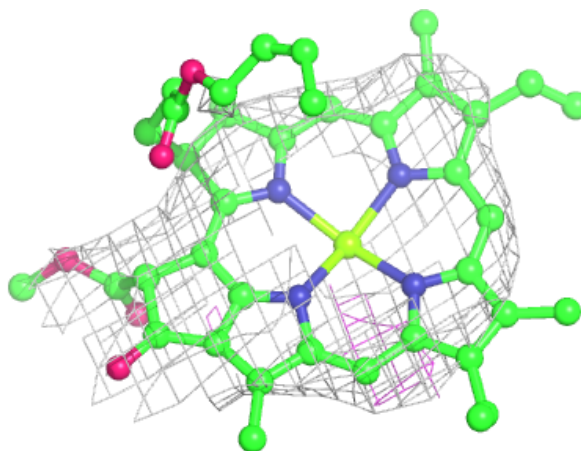
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

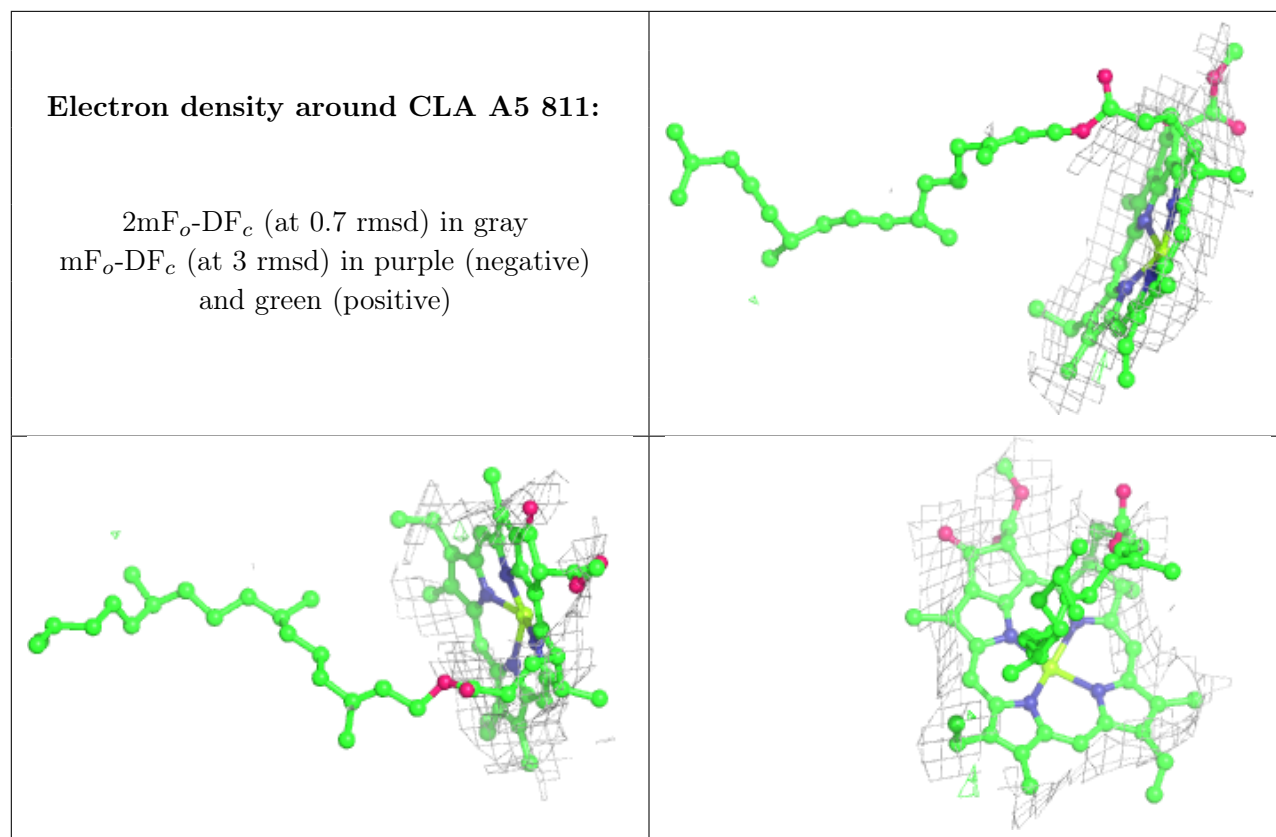


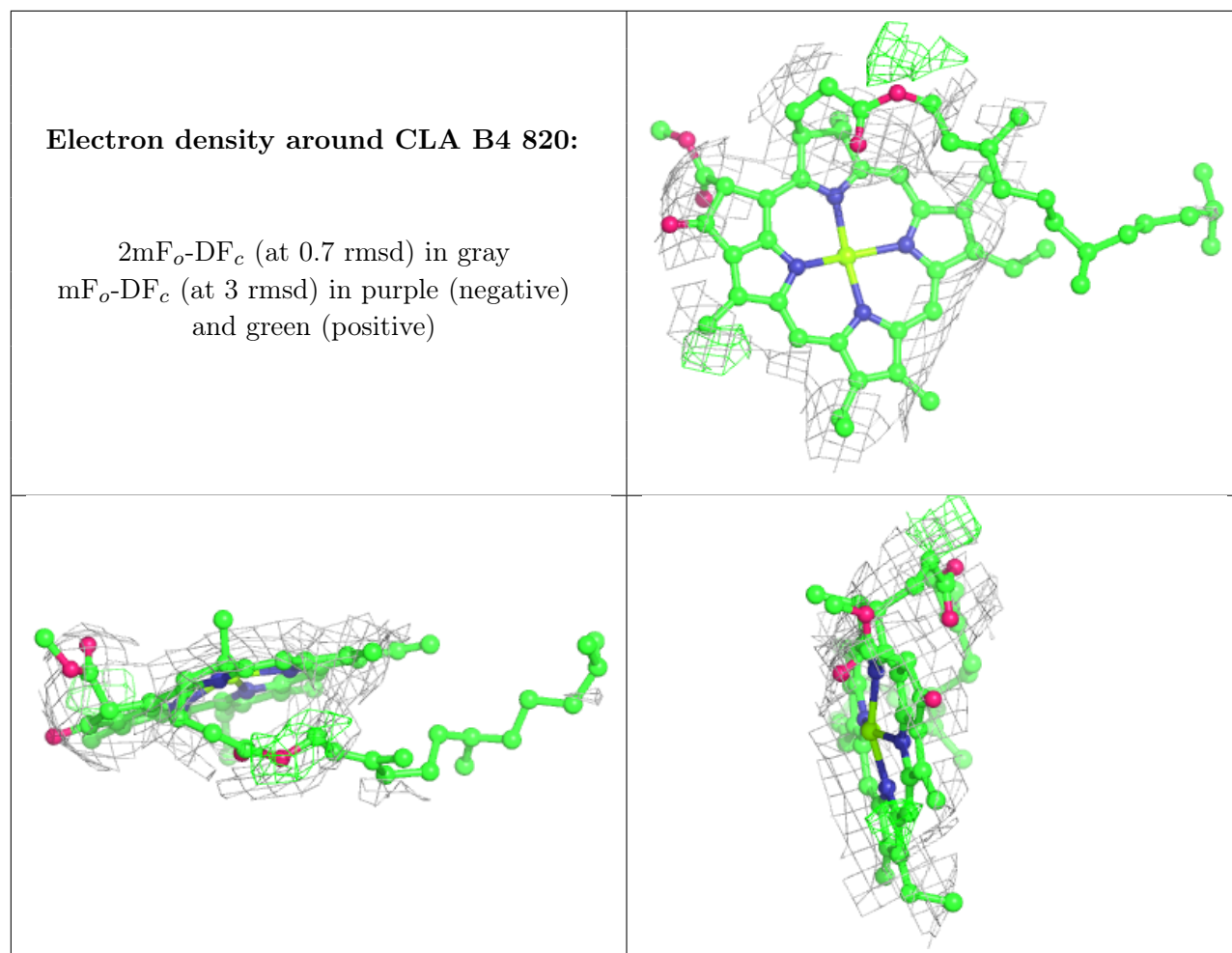


**Electron density around CLA B5 1833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

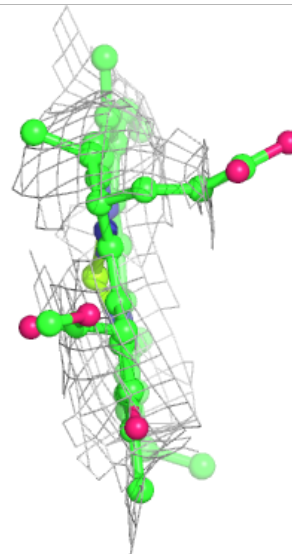
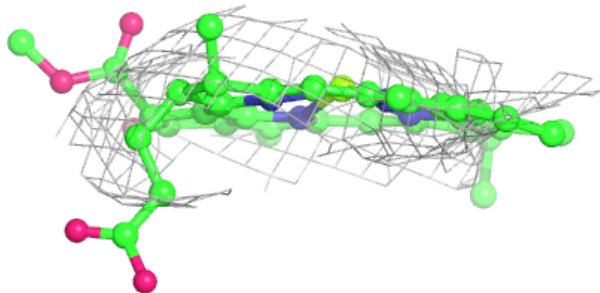
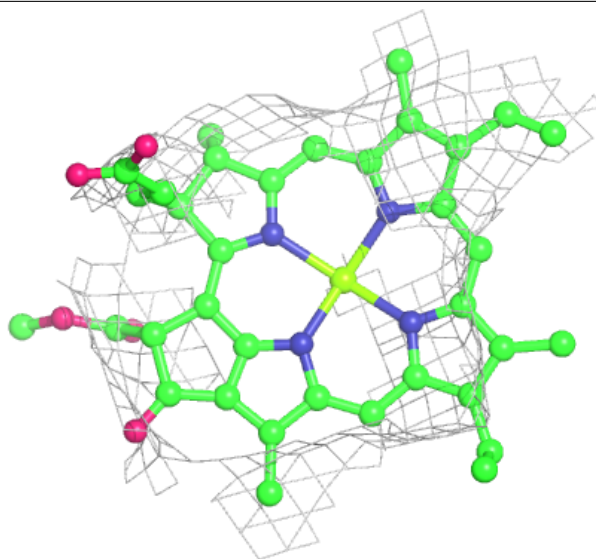






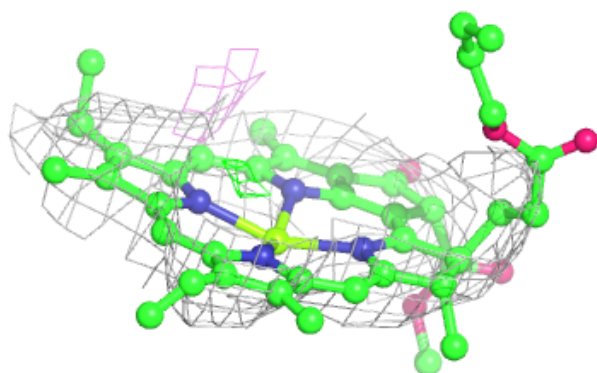
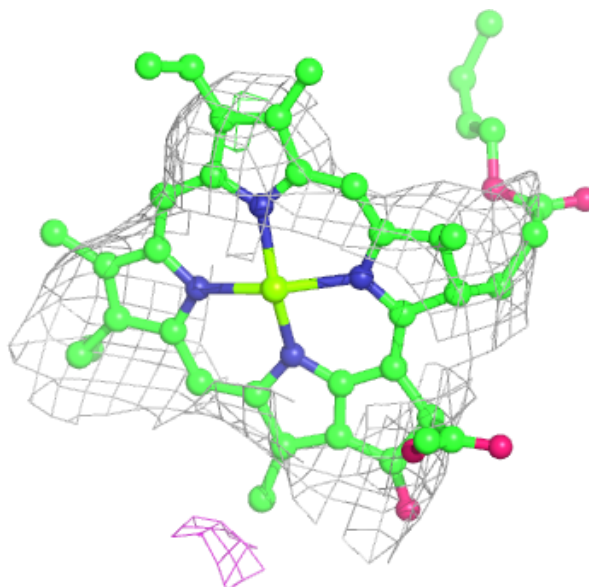
**Electron density around CLA B5 1837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 822:**

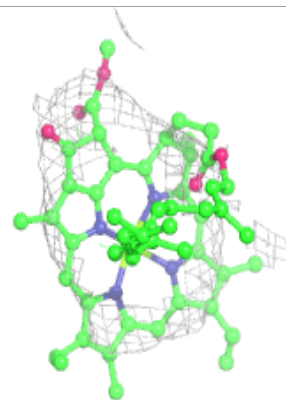
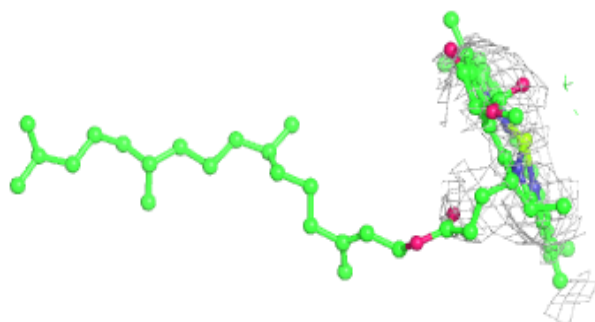
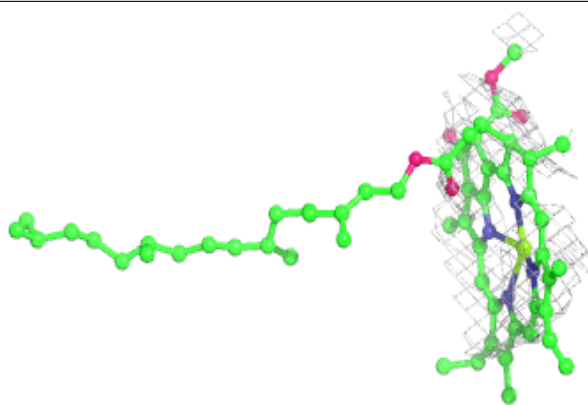
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



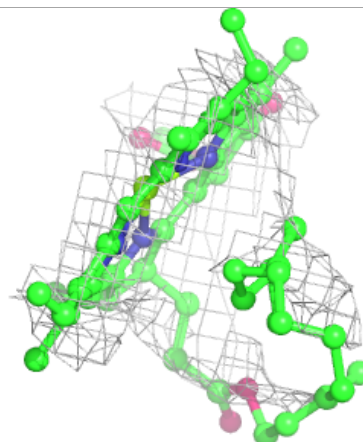
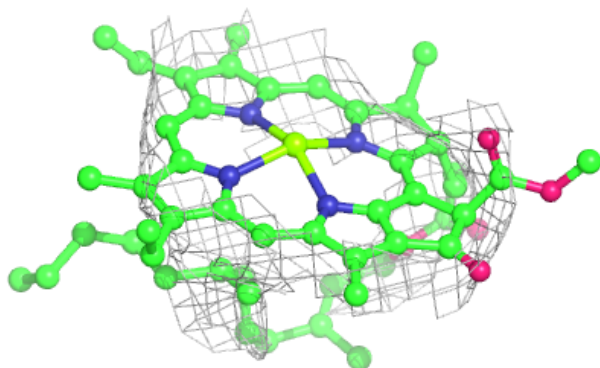
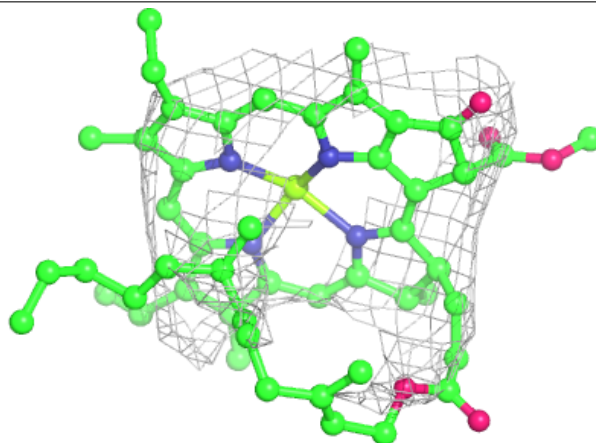


**Electron density around CLA B1 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B6 817:**

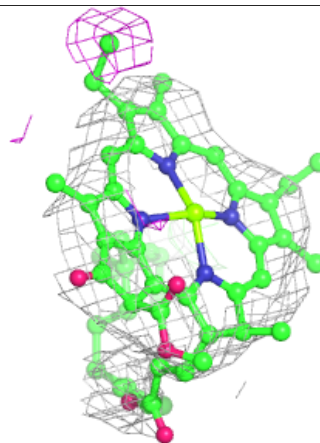
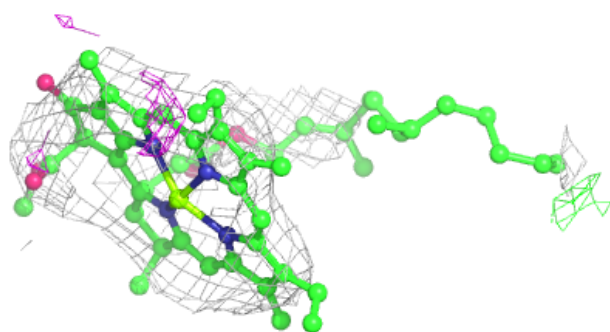
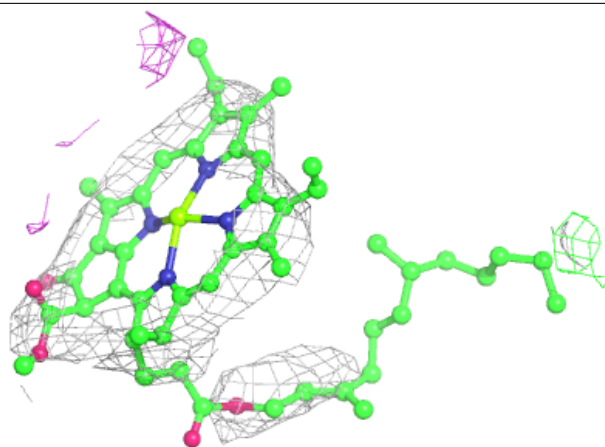
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



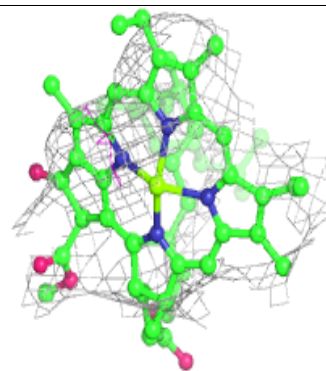
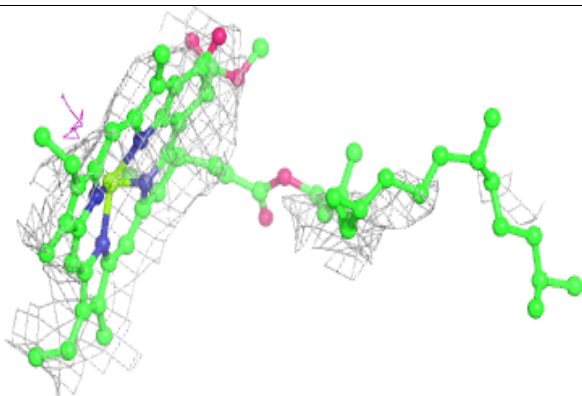
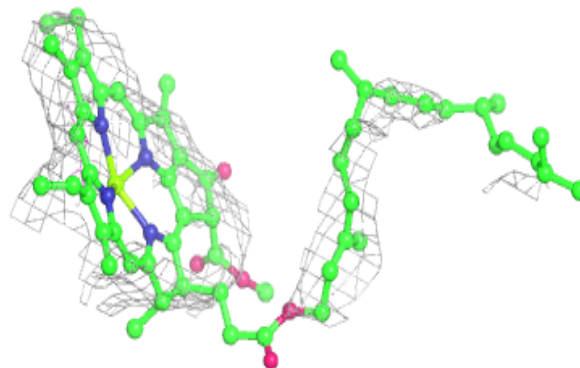


**Electron density around CLA A3 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

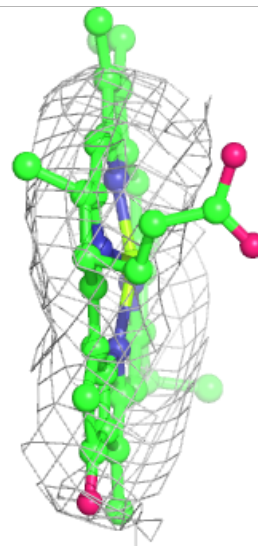
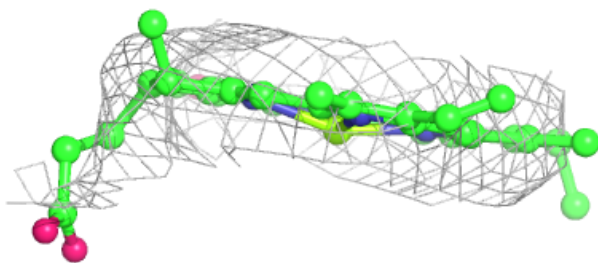
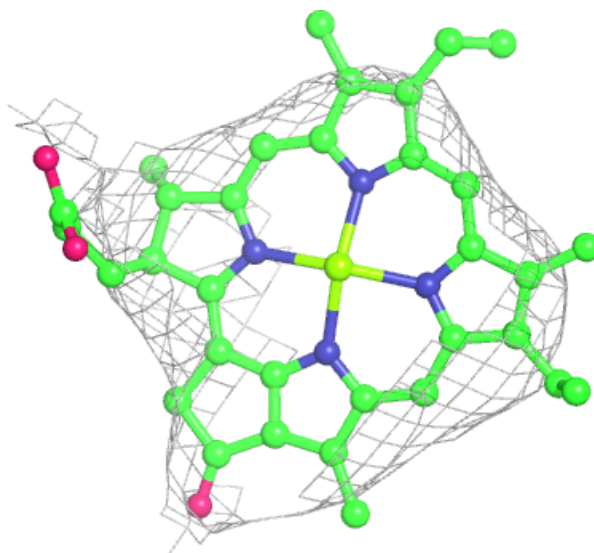
**Electron density around CLA B2 801:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



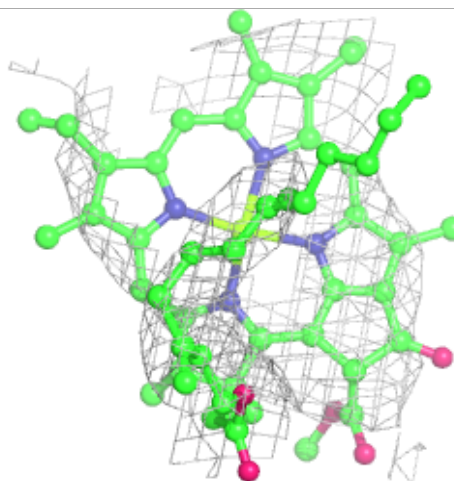
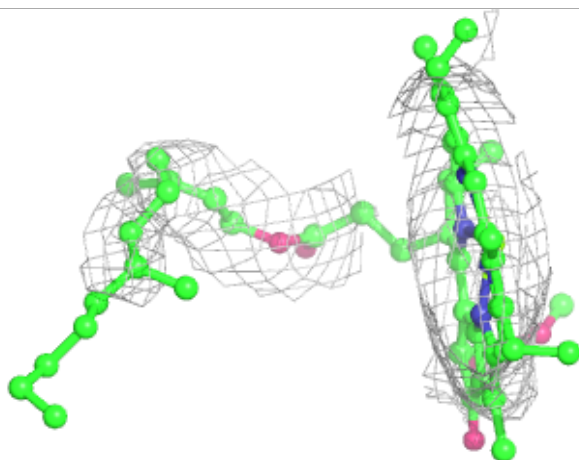
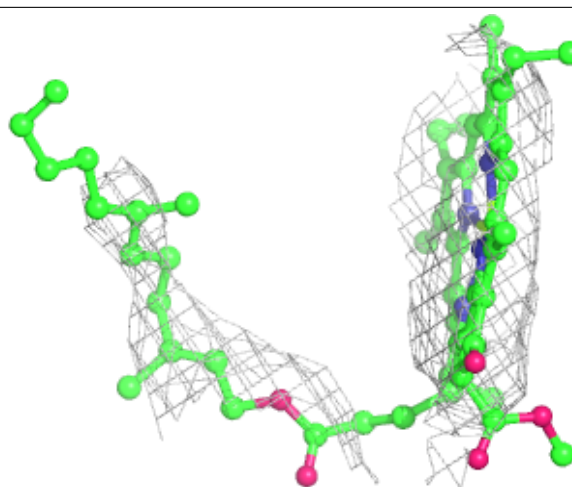
**Electron density around CLA A3 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



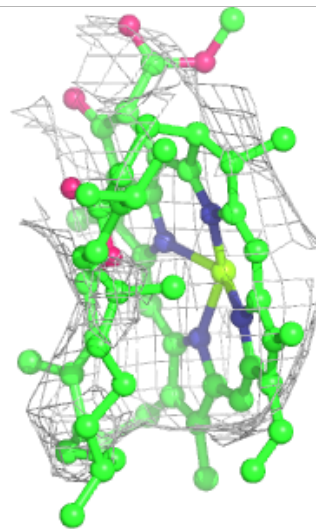
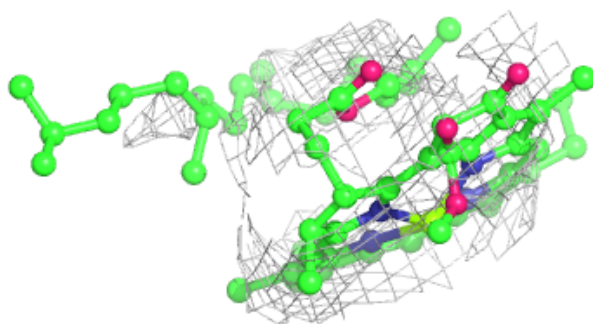
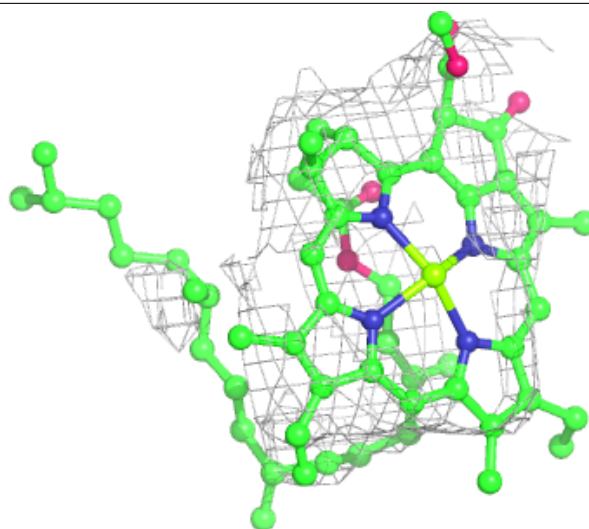
**Electron density around CLA A3 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



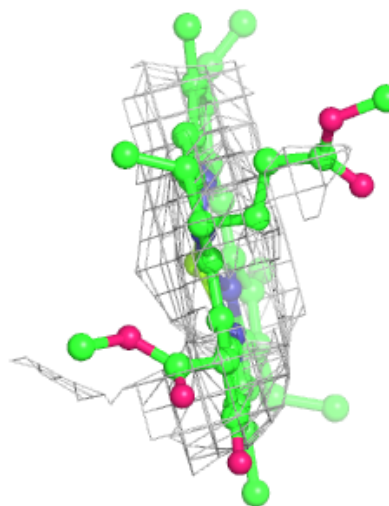
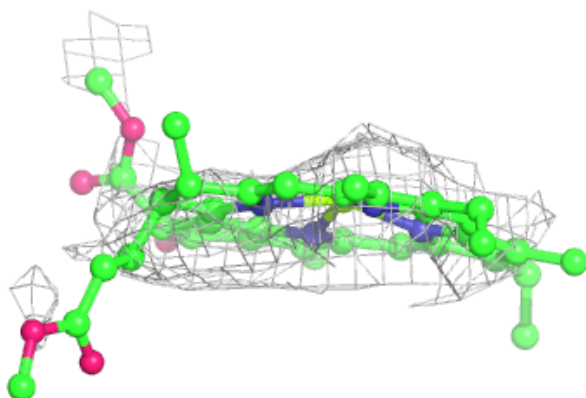
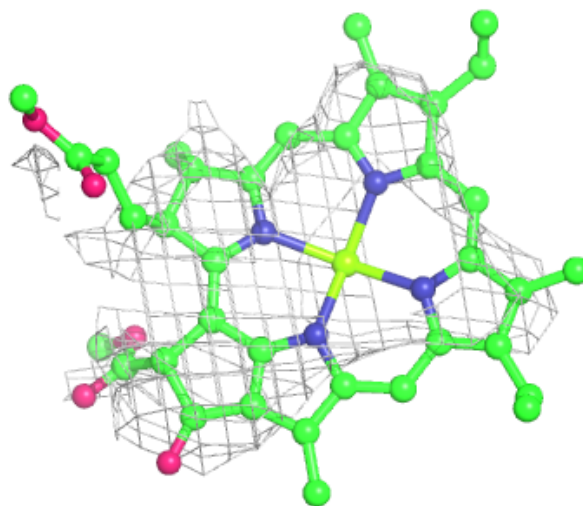
**Electron density around CLA B4 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



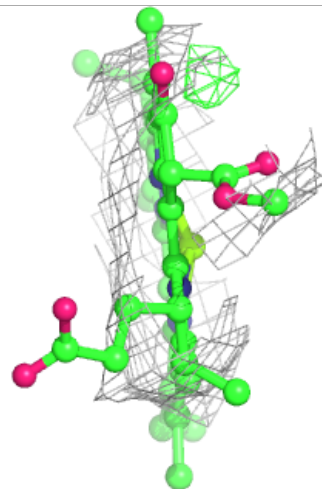
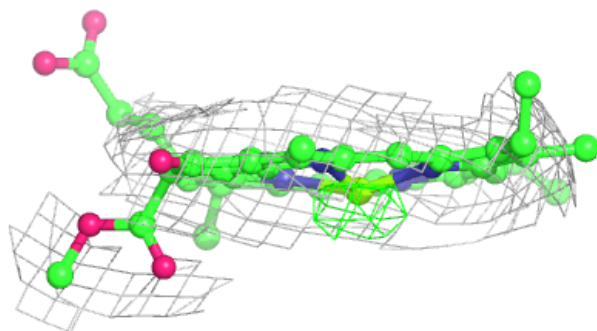
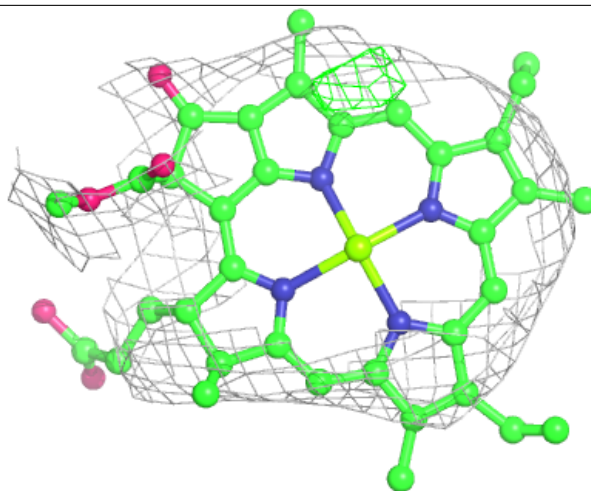
**Electron density around CLA B6 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



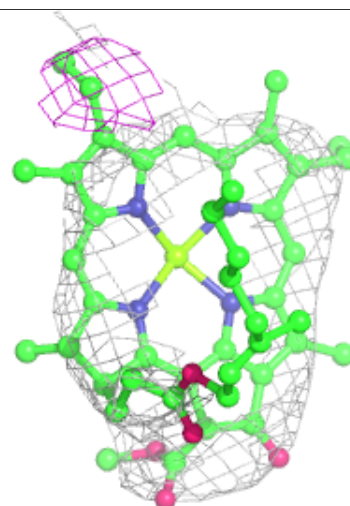
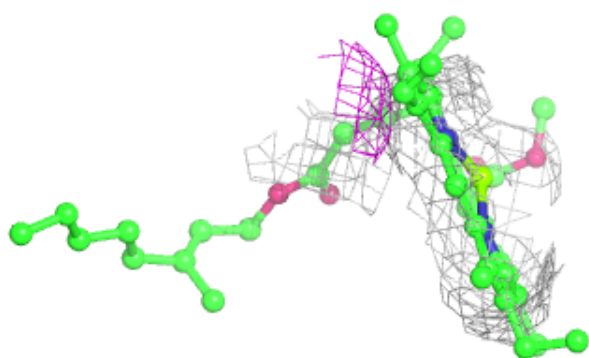
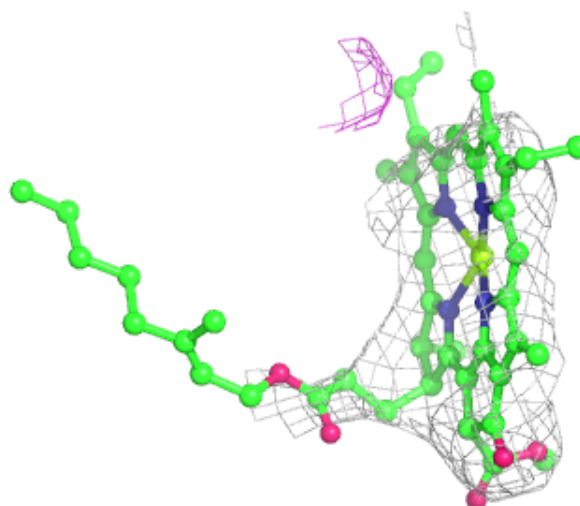
**Electron density around CLA B5 1825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B3 1806:**

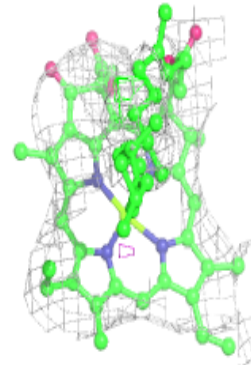
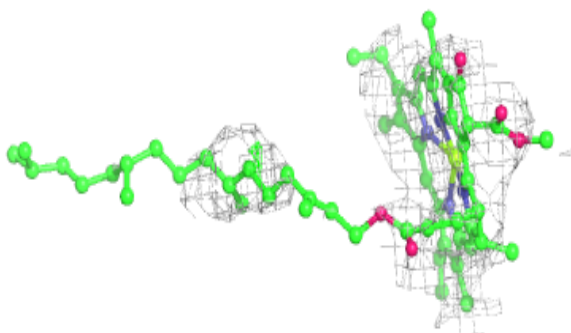
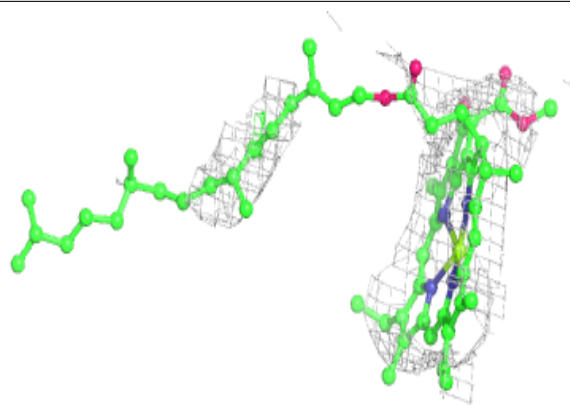
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



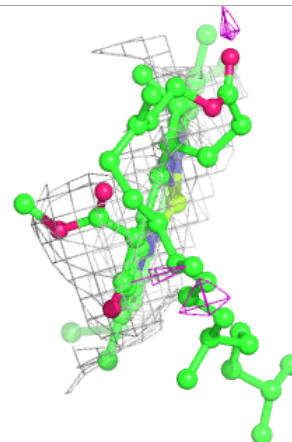
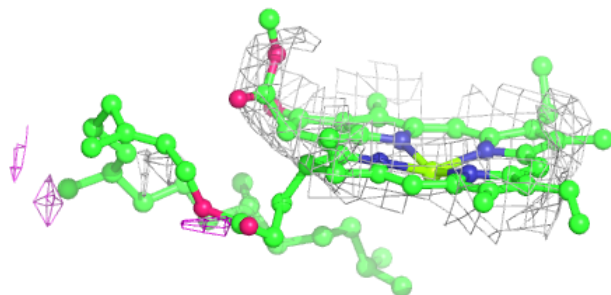
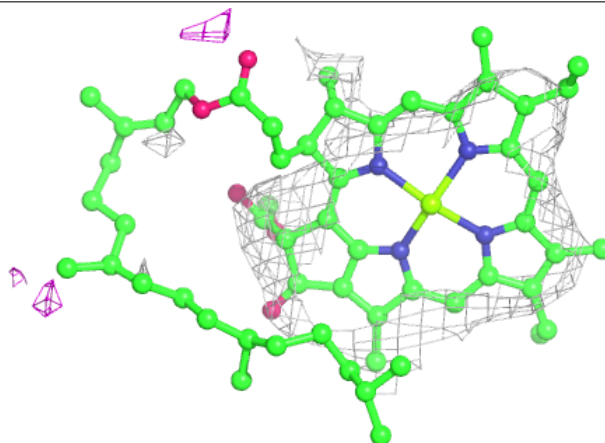


**Electron density around CLA B6 829:**

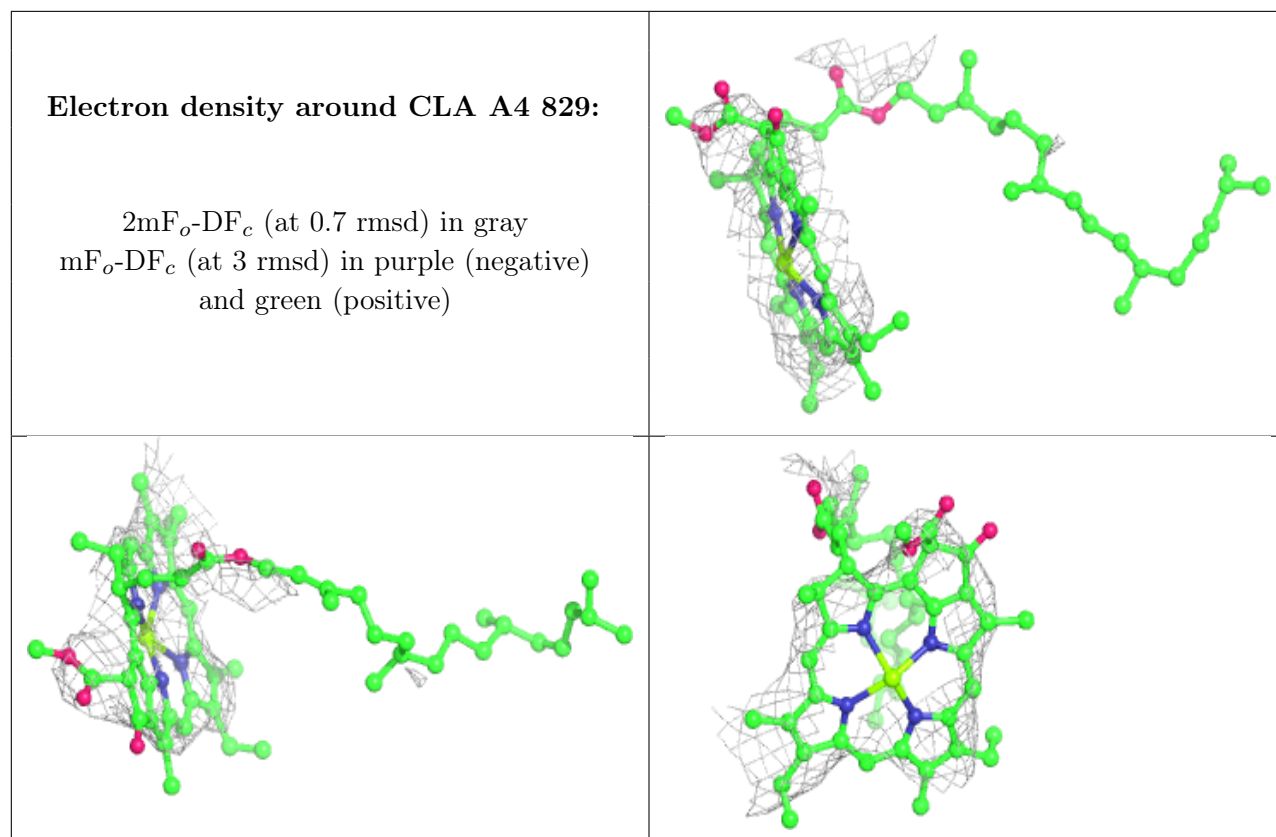
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B3 1807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

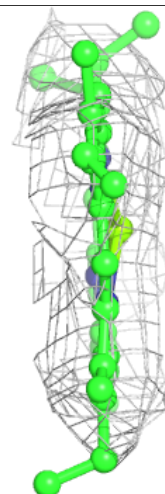
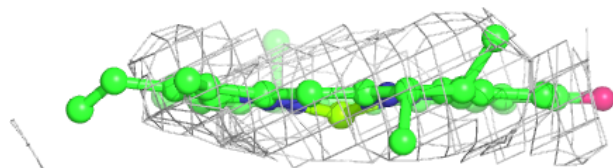
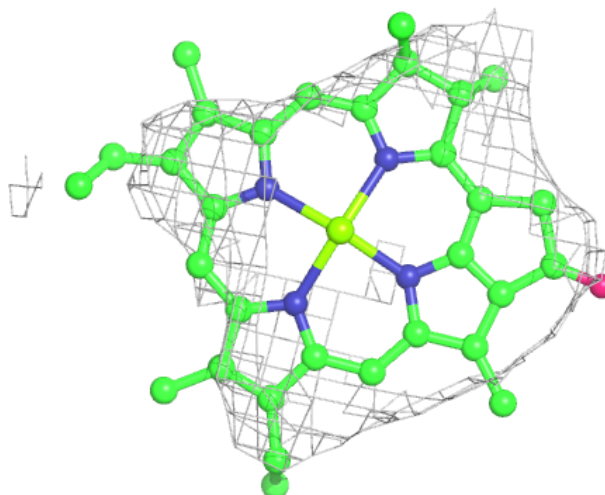






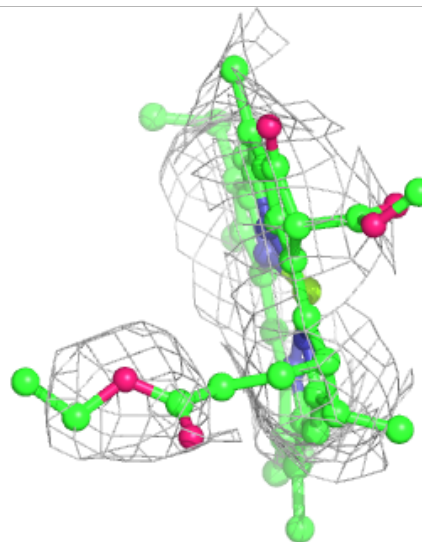
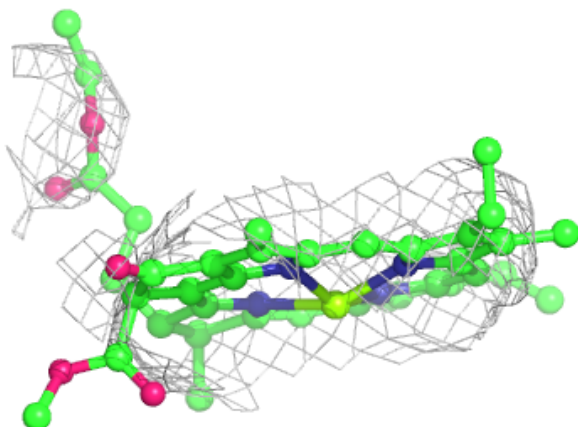
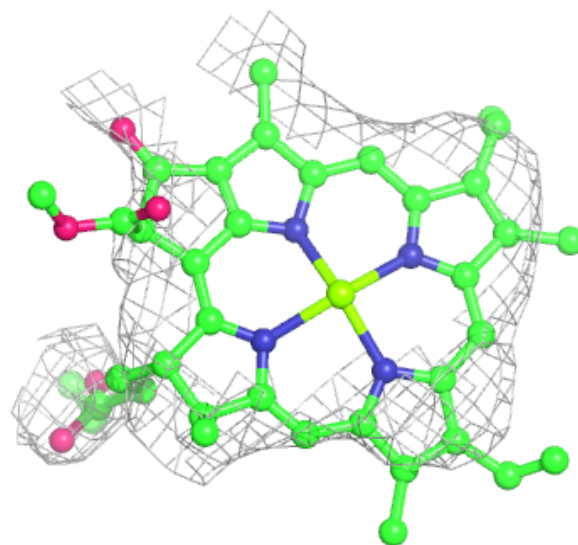
**Electron density around CLA J4 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



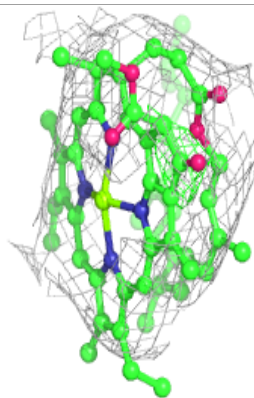
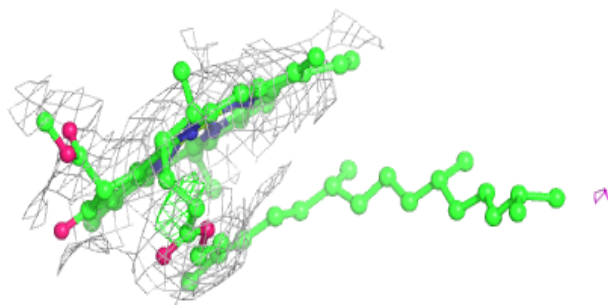
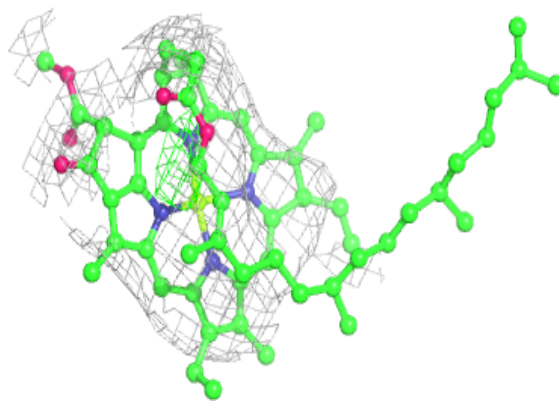
**Electron density around CLA B6 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

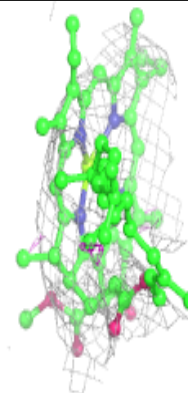
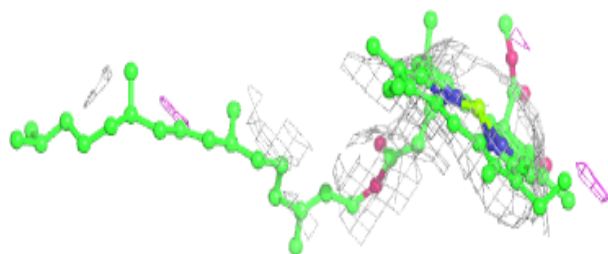
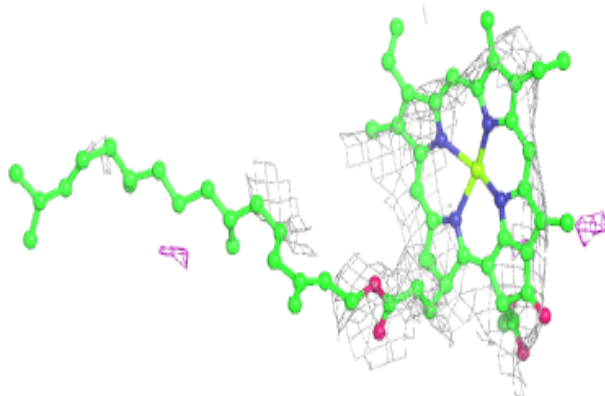


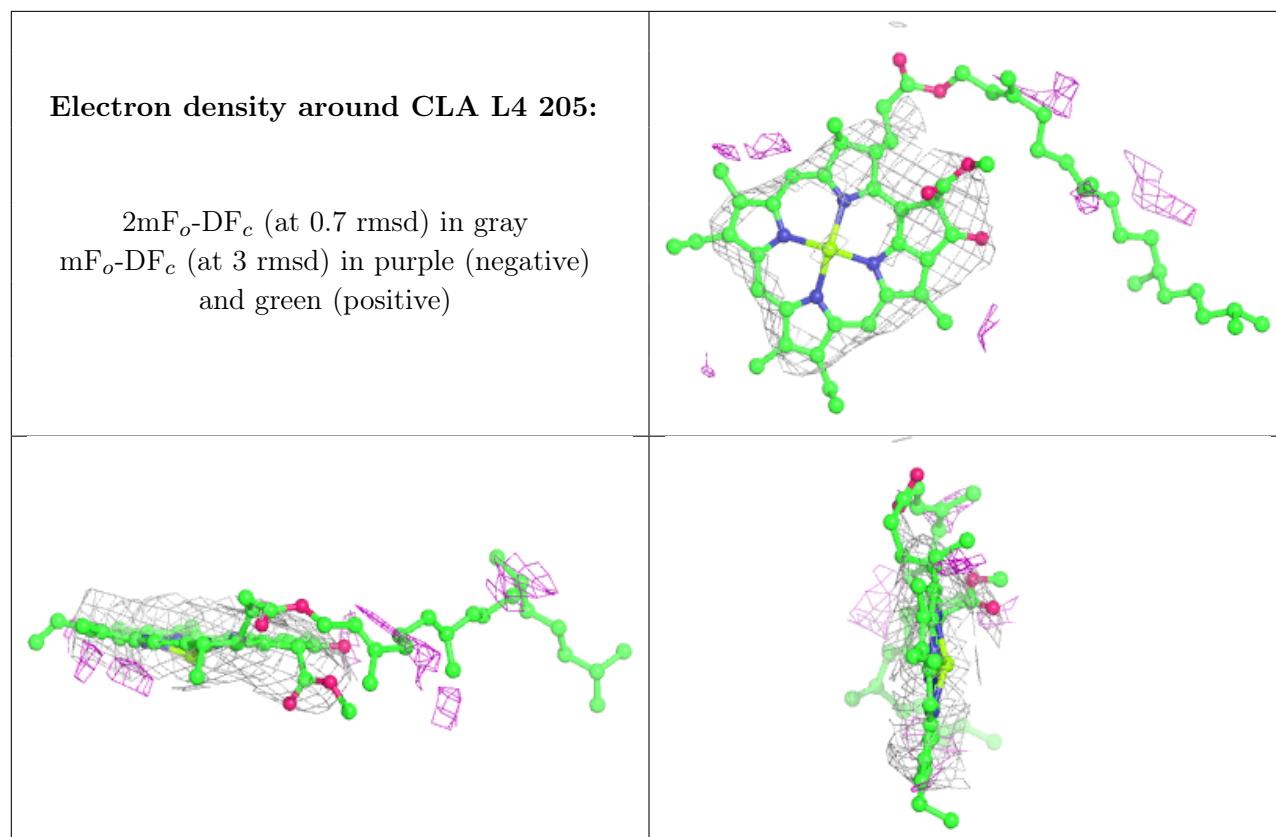
**Electron density around CLA B3 1809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA L4 201:**

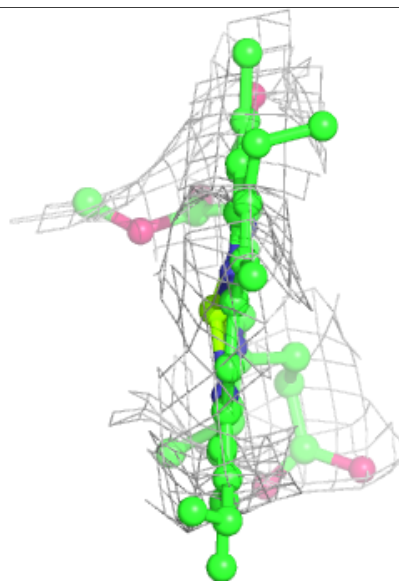
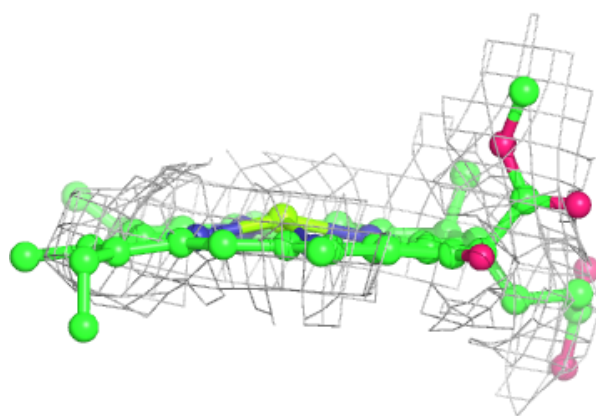
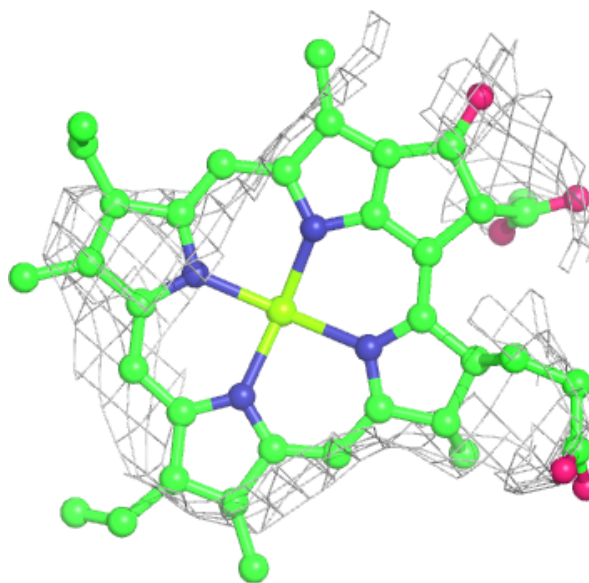
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





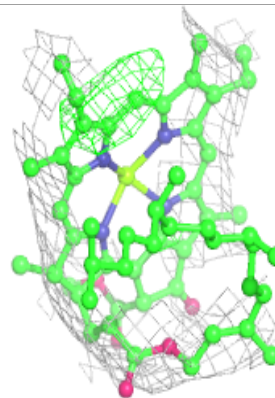
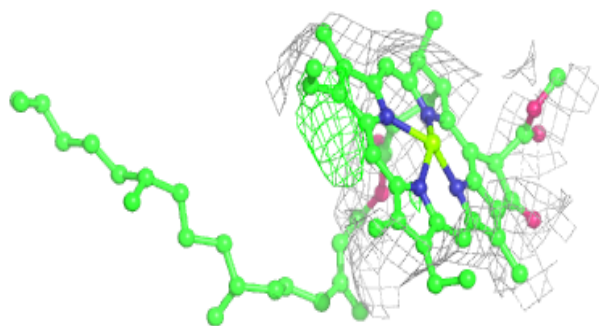
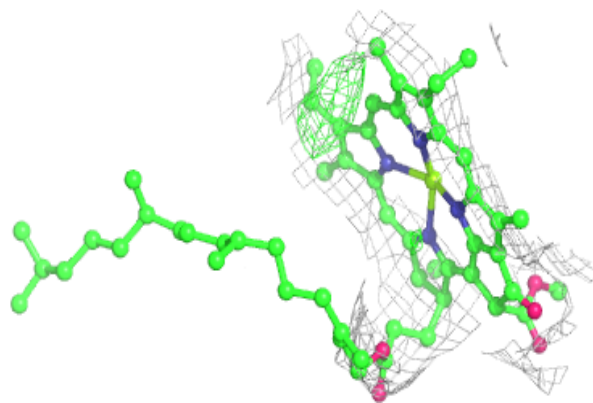
**Electron density around CLA X4 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

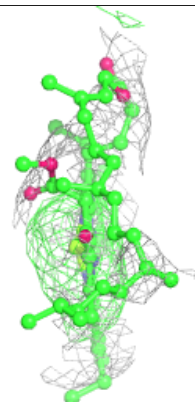
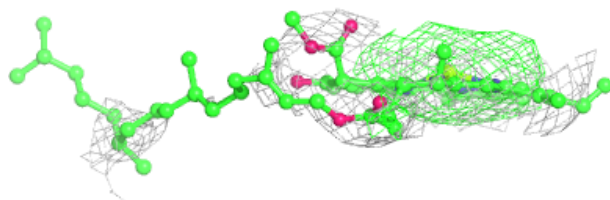
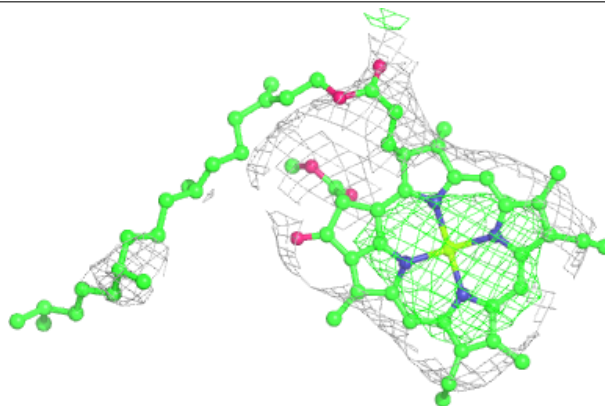


**Electron density around CLA B4 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA L6 208:**

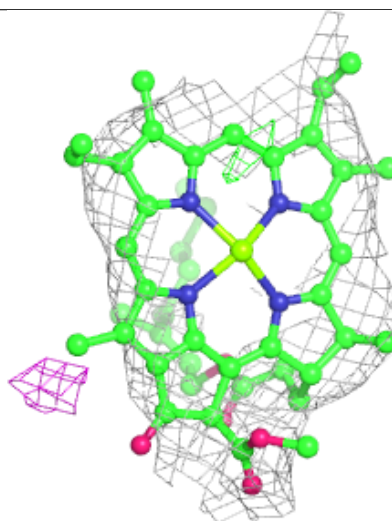
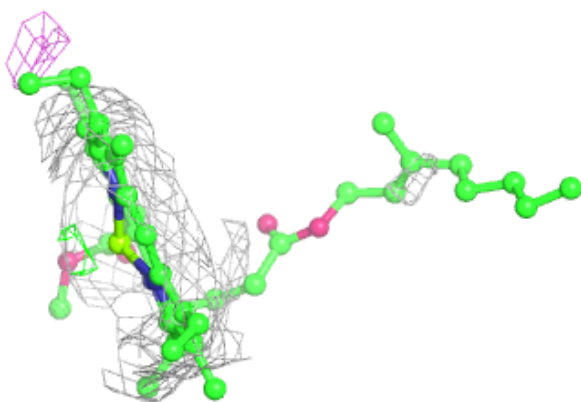
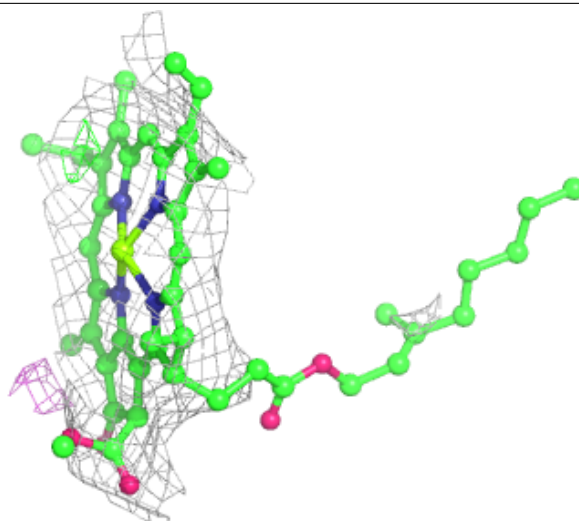
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA M6 1201:**

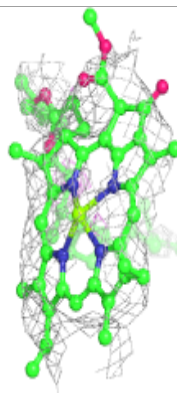
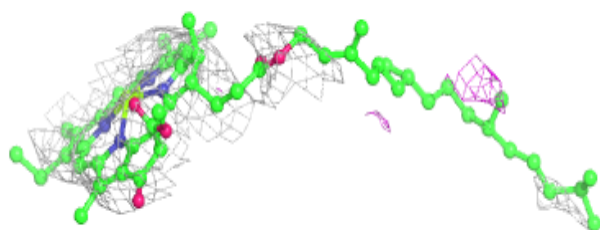
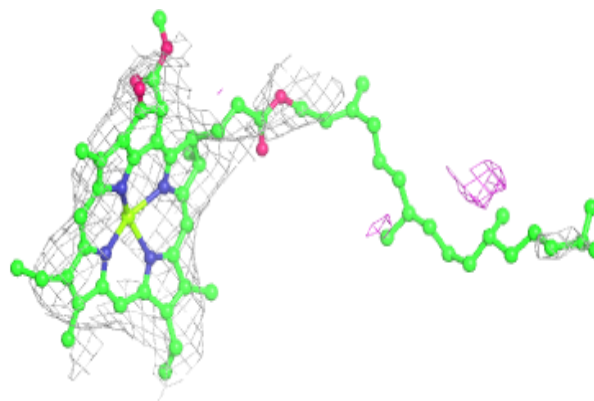
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



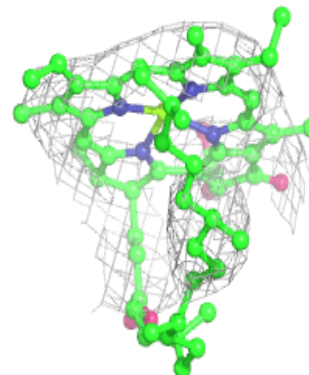
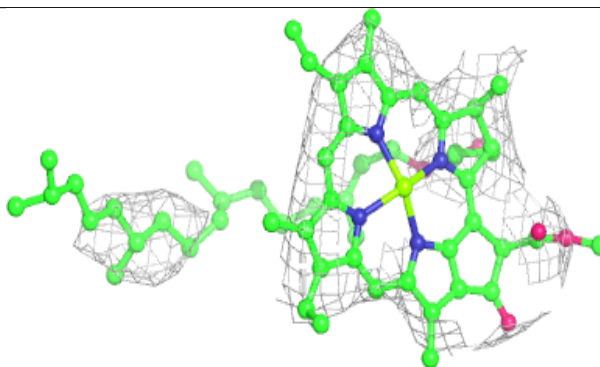
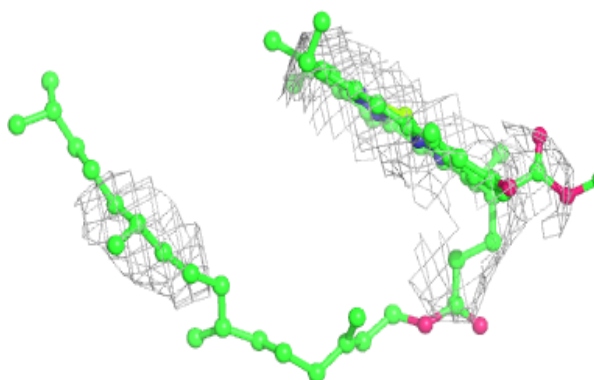


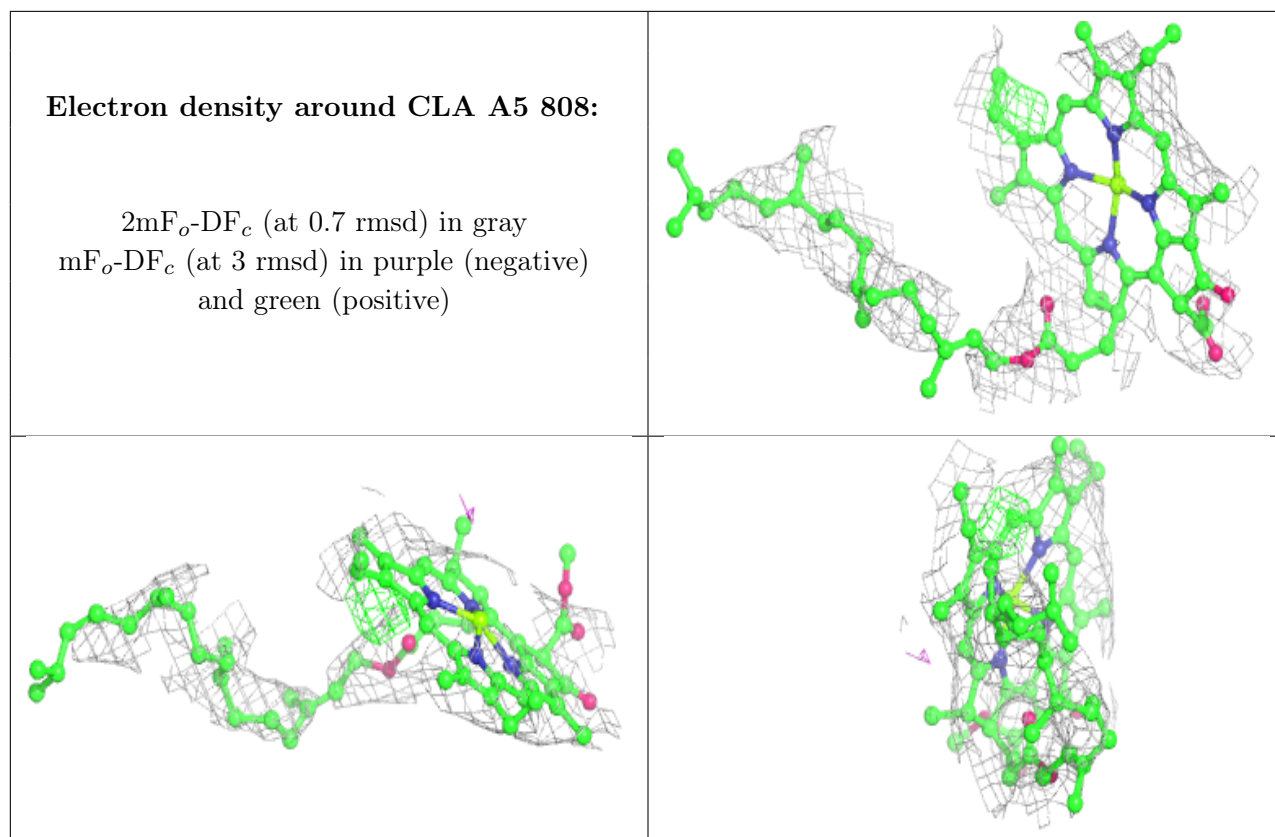
**Electron density around CLA A5 802:**

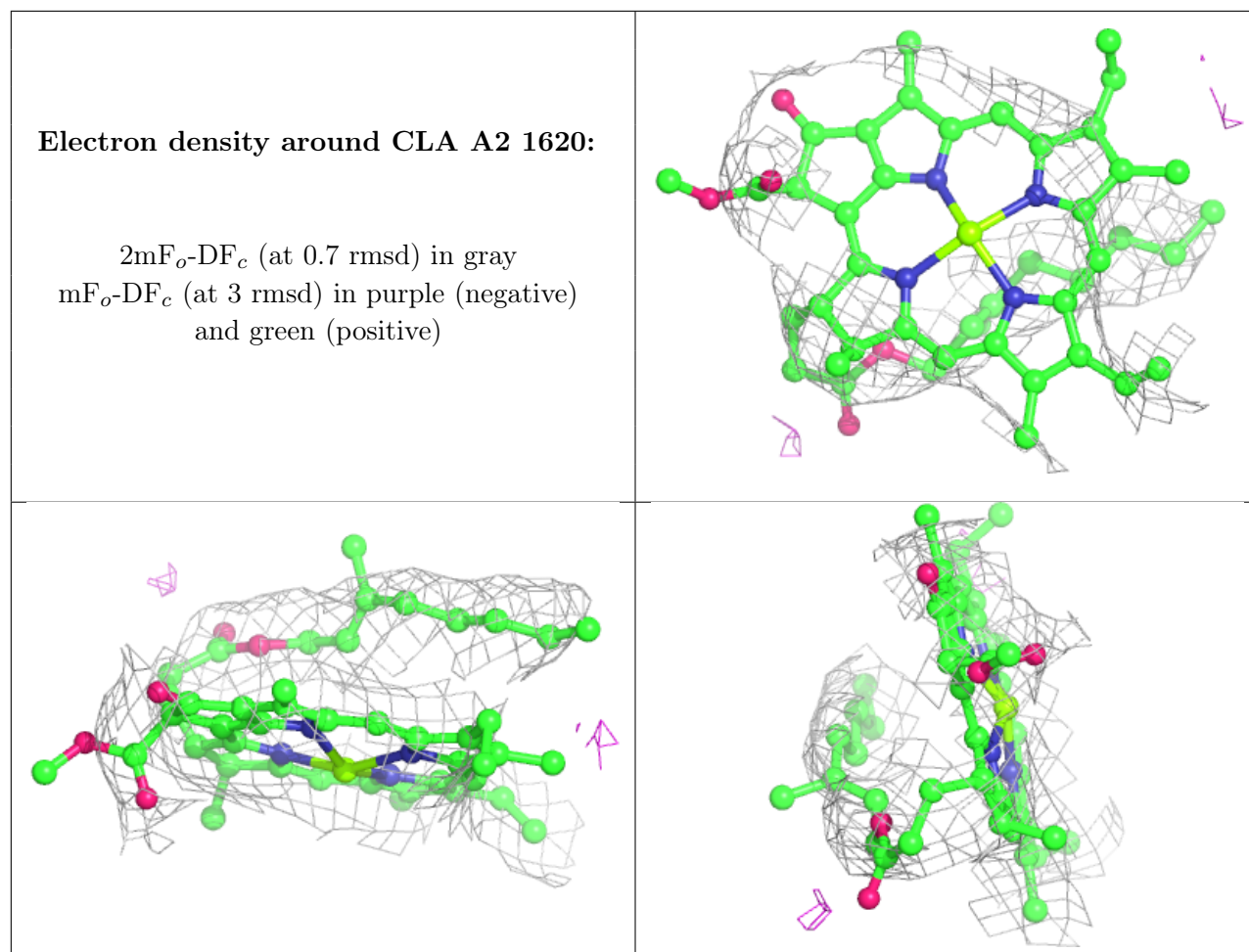
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

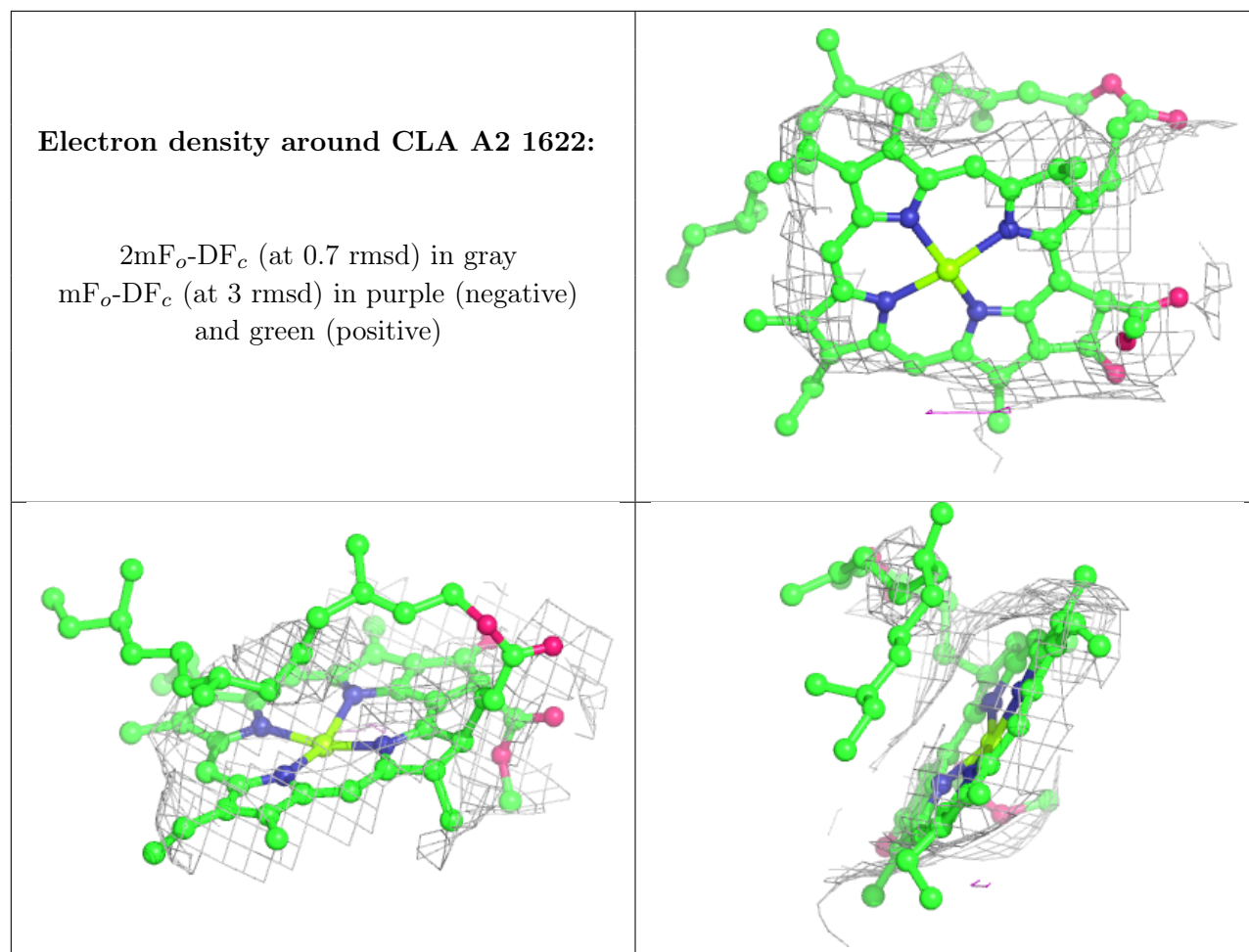
**Electron density around CLA A4 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



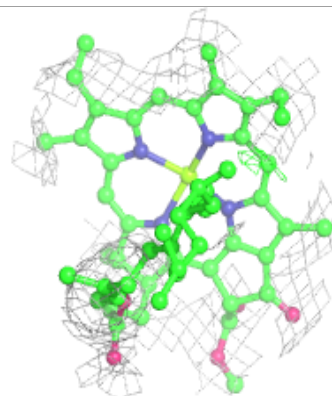
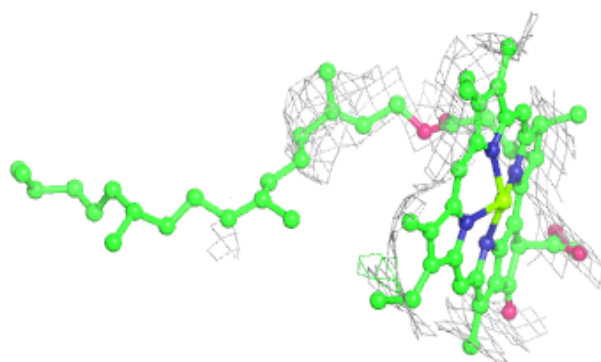
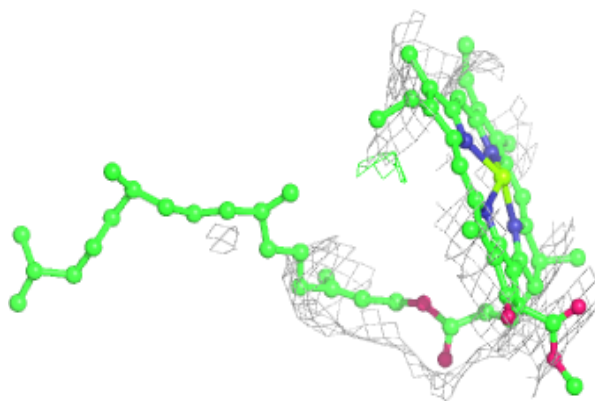




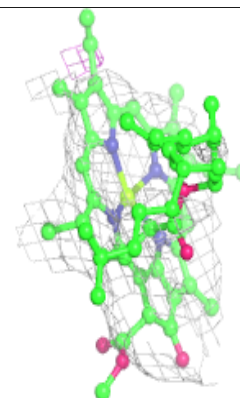
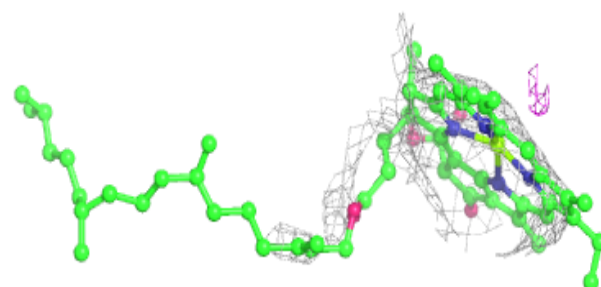
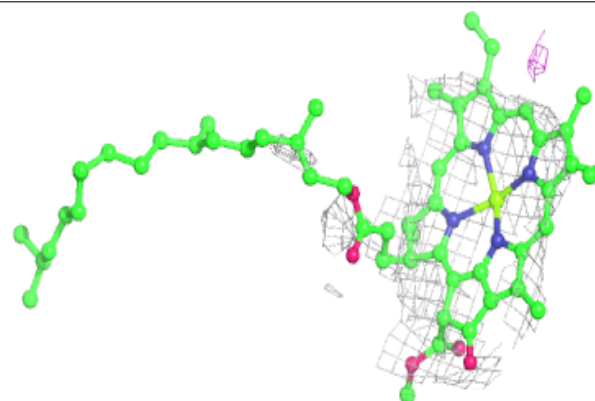


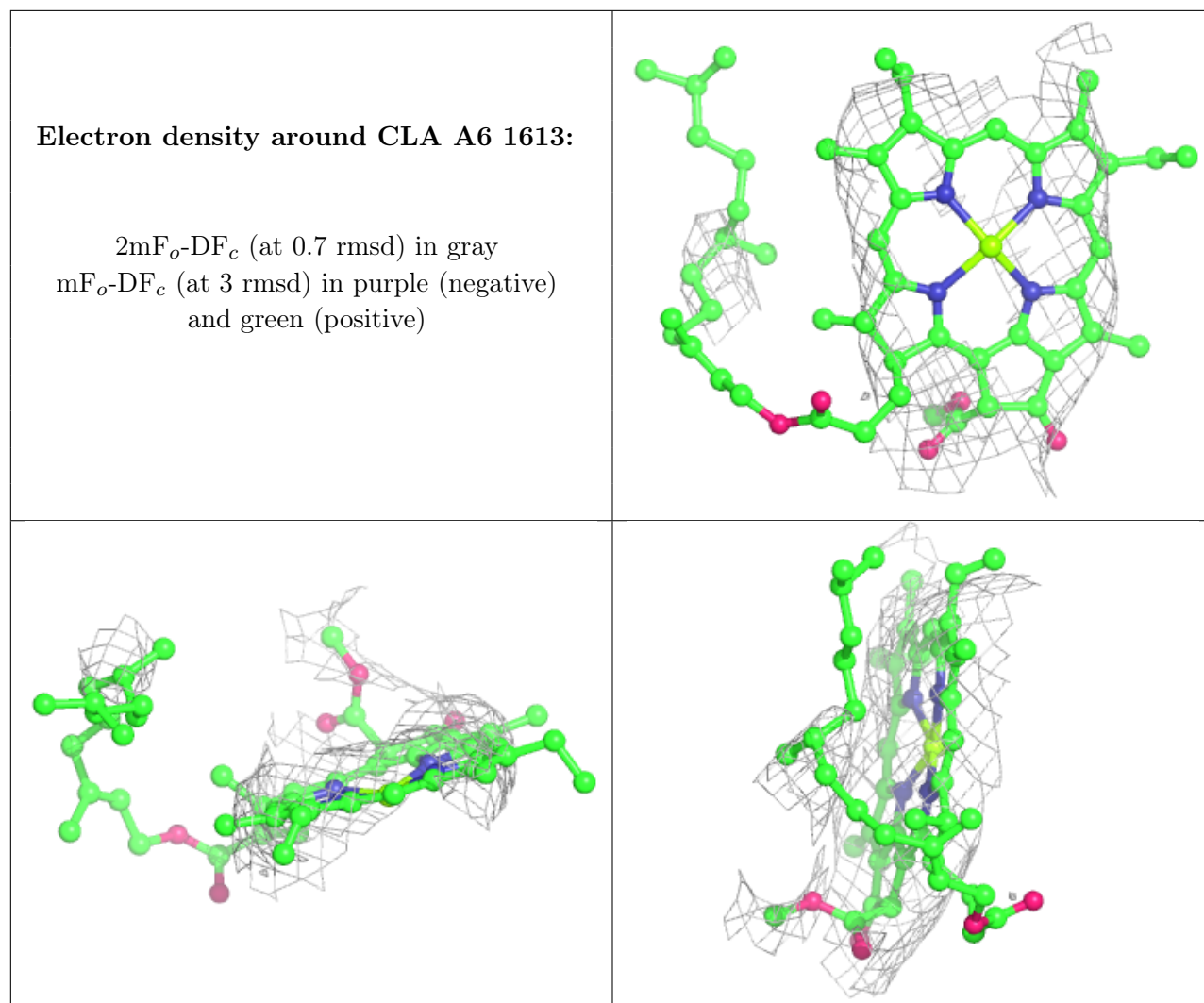
**Electron density around CLA A4 810:**

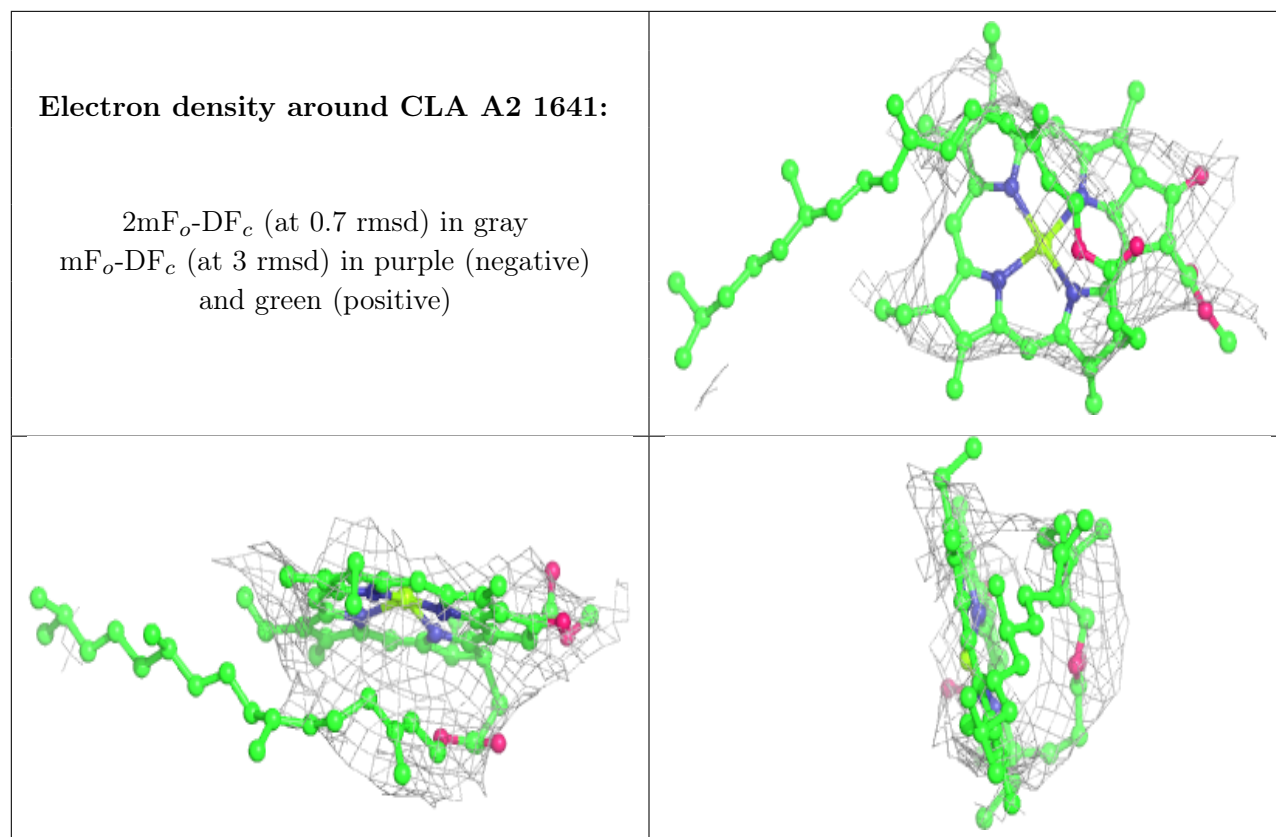
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A2 1623:**

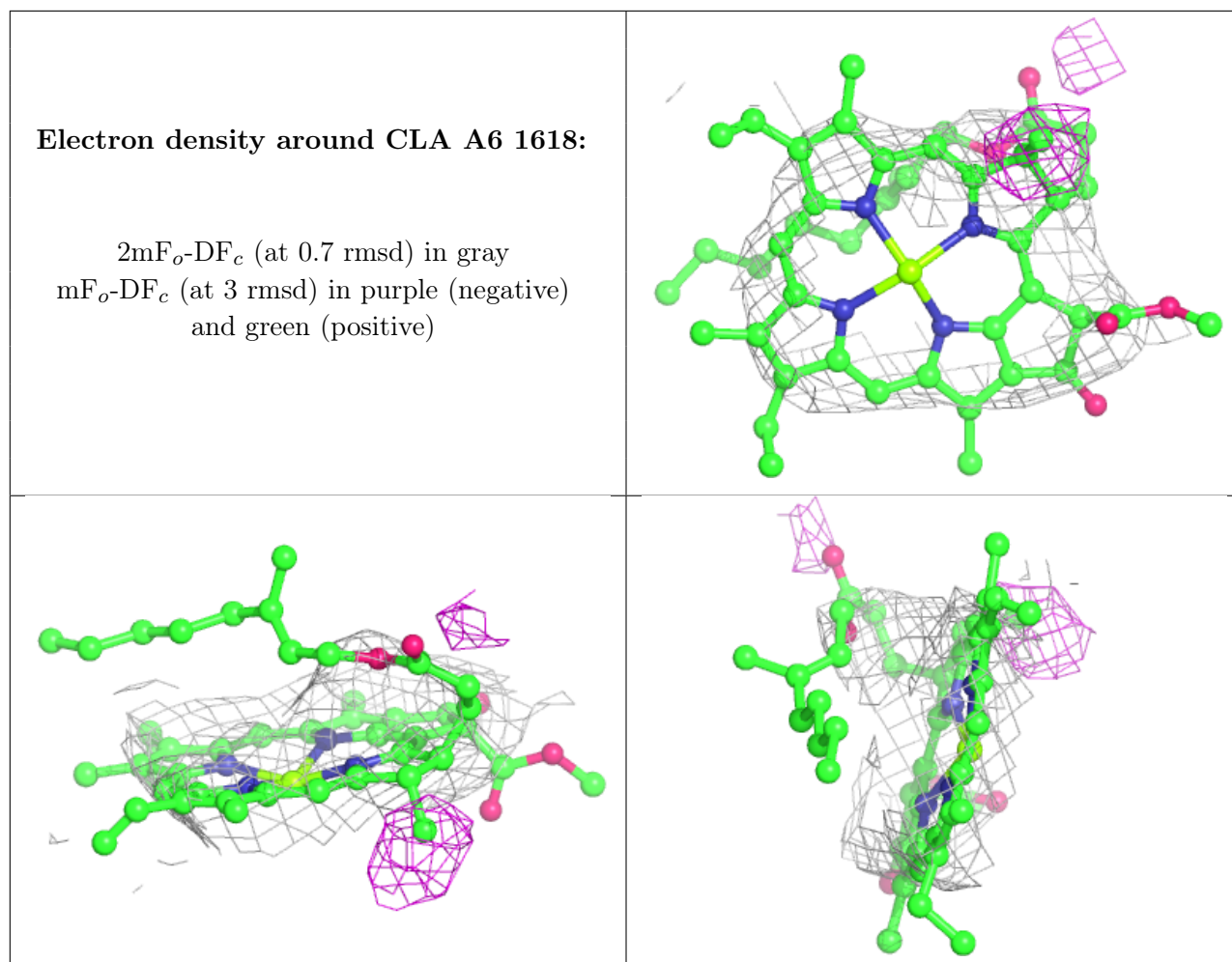
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)







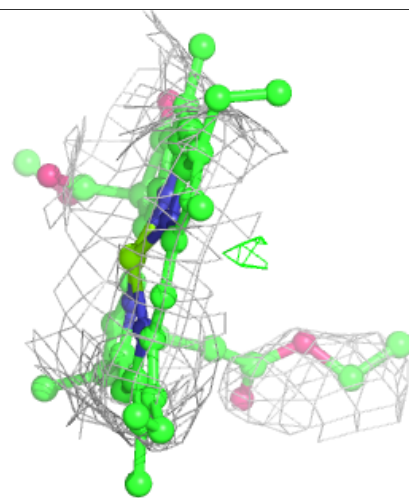
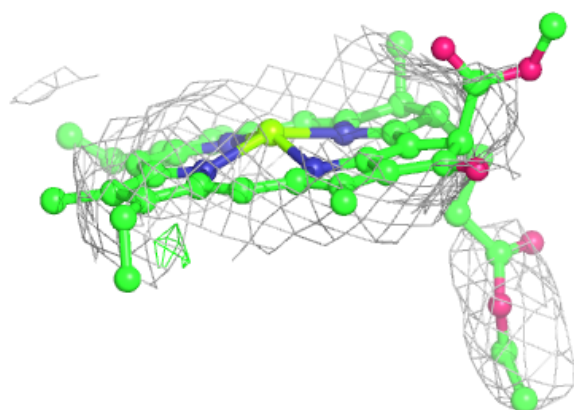
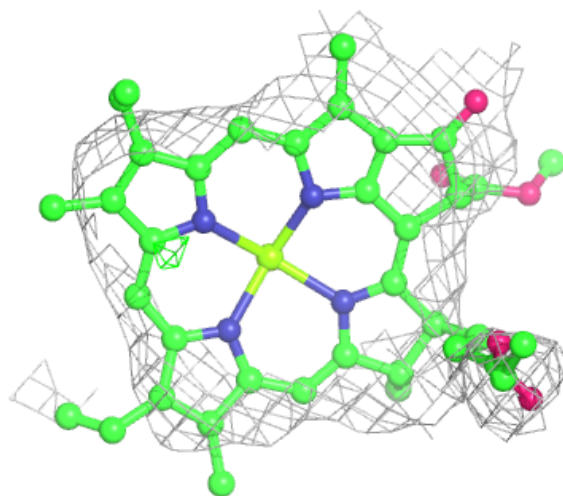


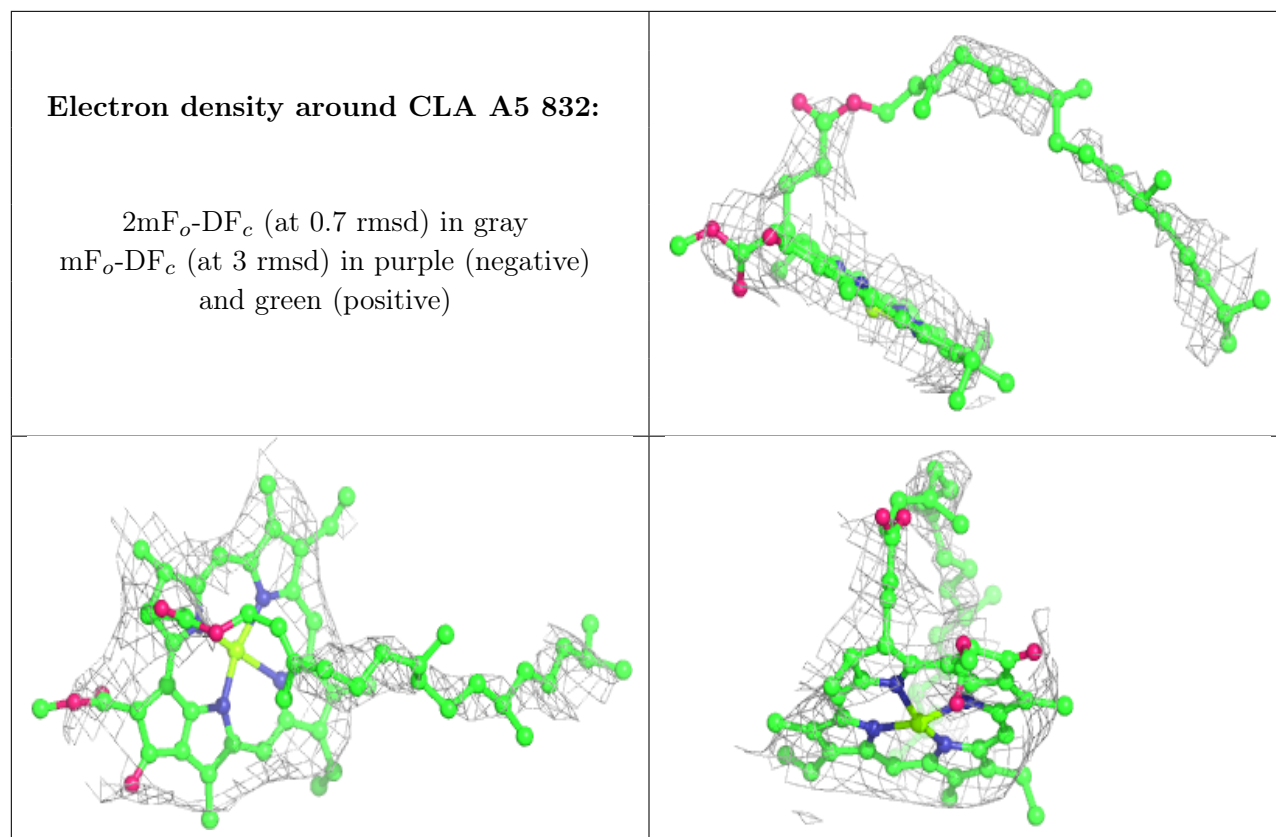




**Electron density around CLA B3 1841:**

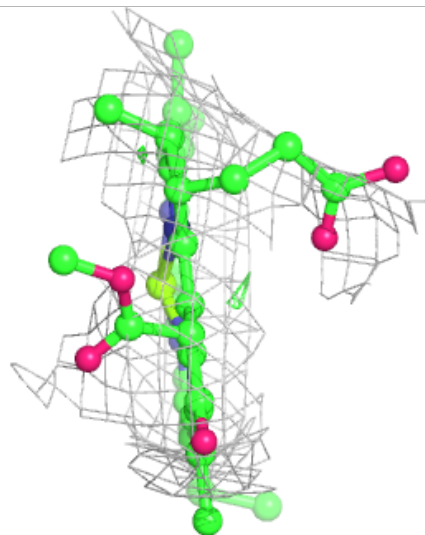
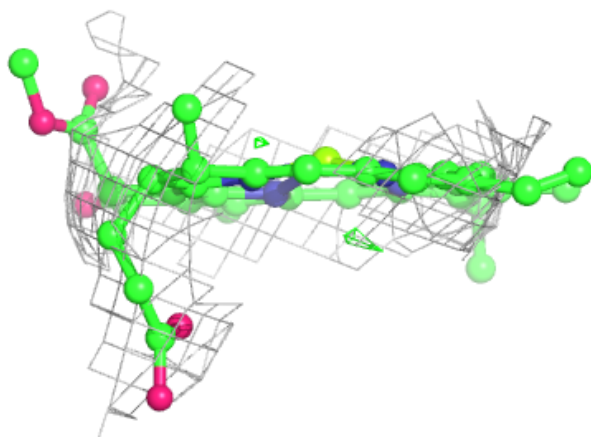
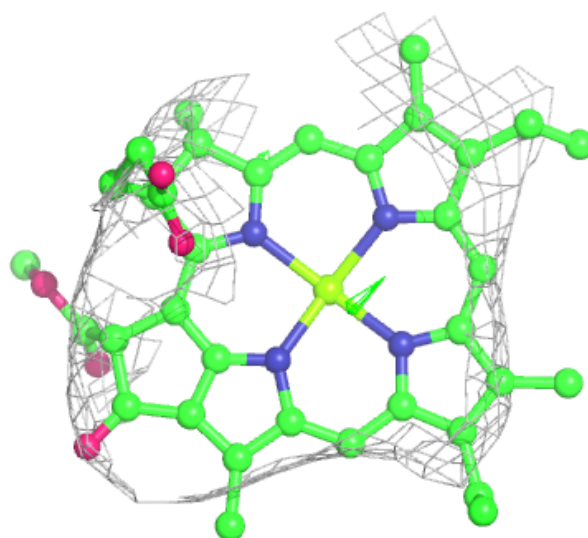
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





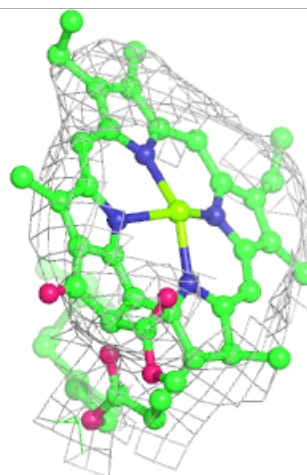
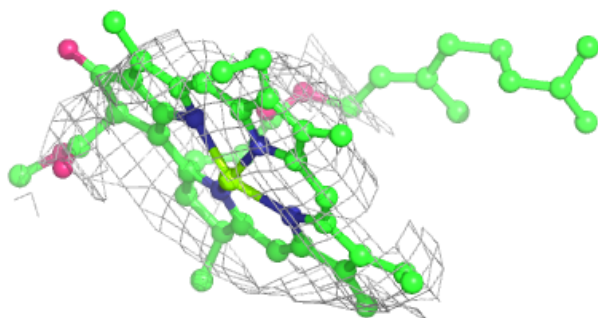
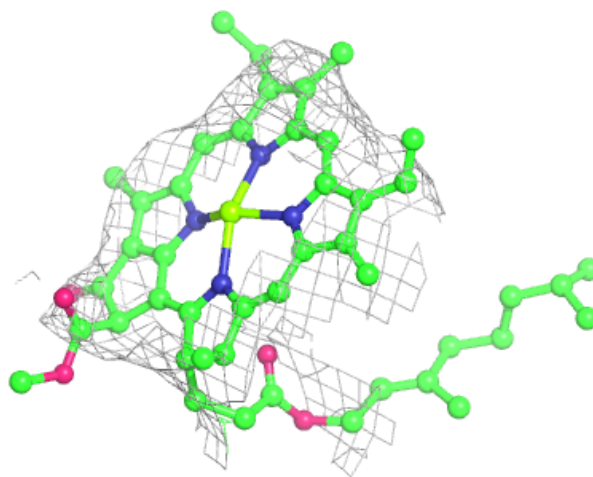
**Electron density around CLA A5 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



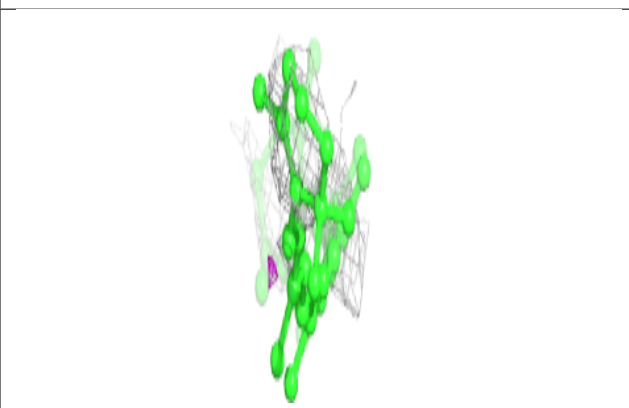
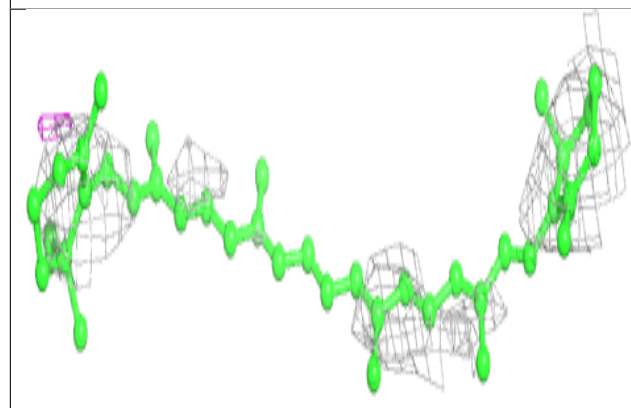
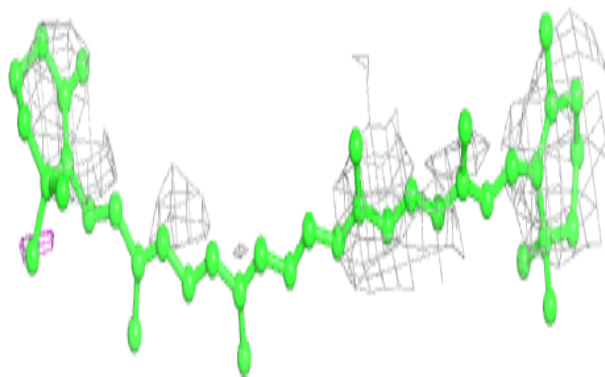
**Electron density around CLA B3 1818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

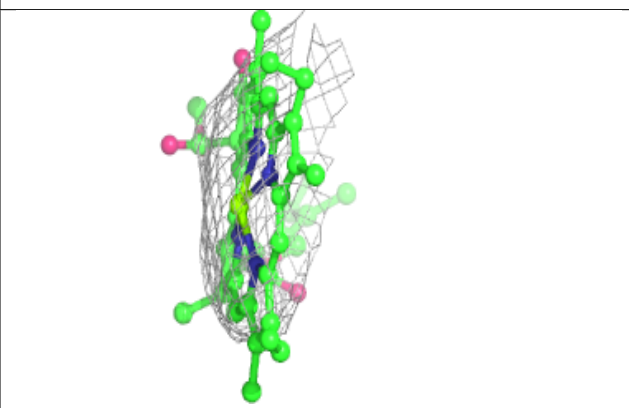
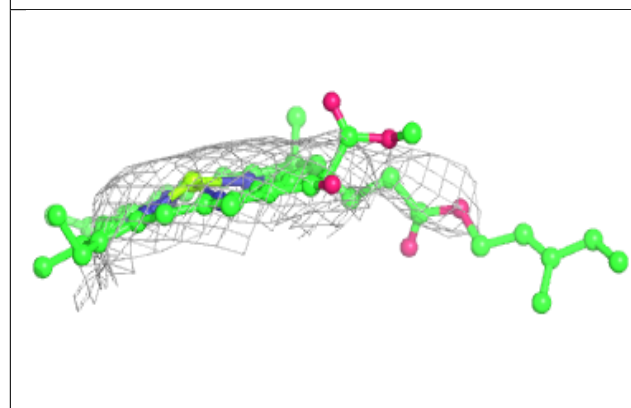
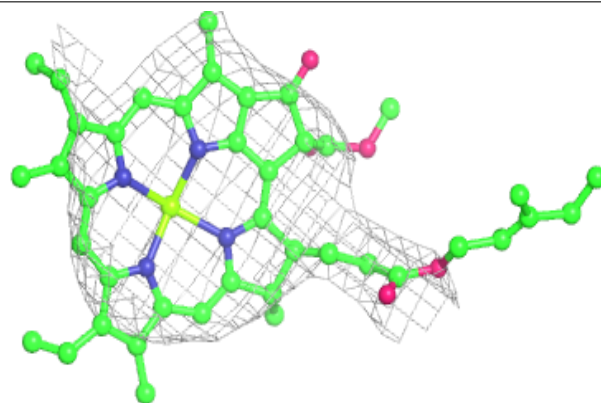


**Electron density around BCR M2 1202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

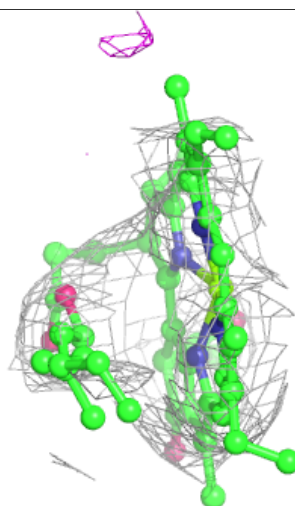
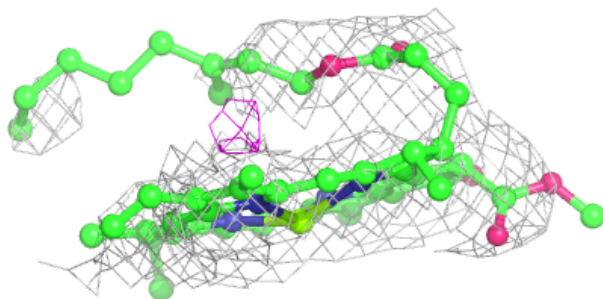
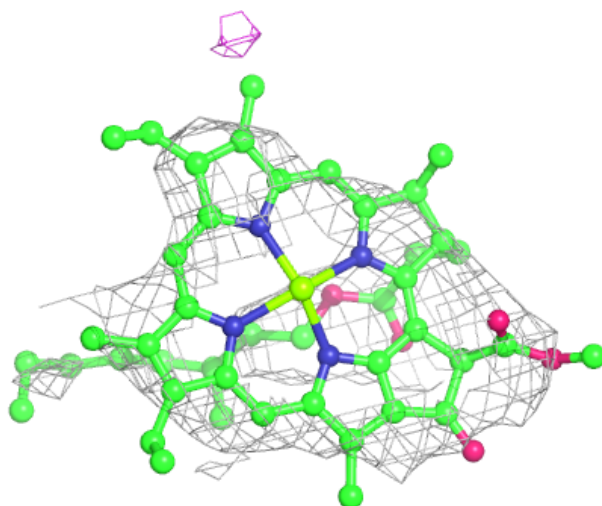
**Electron density around CLA A5 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 817:**

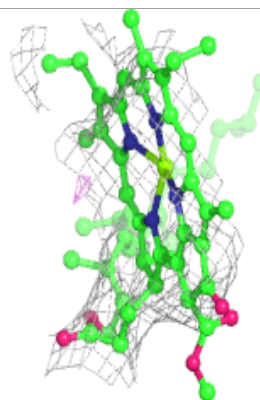
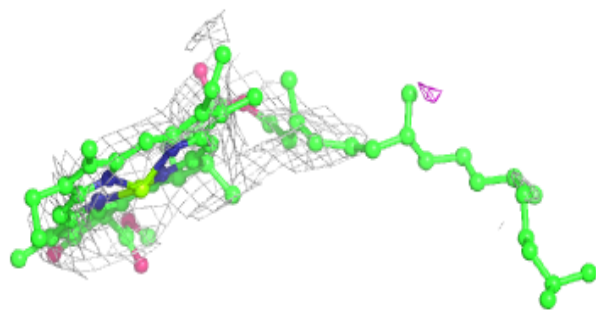
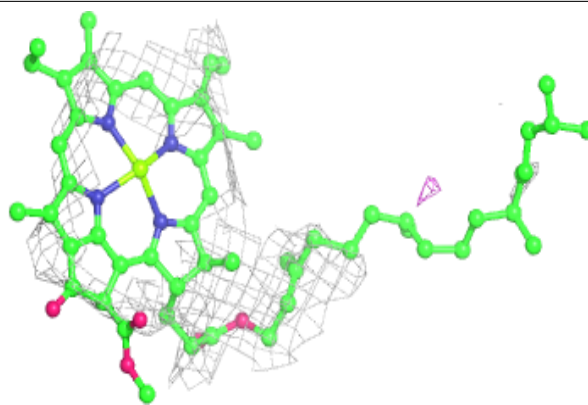
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



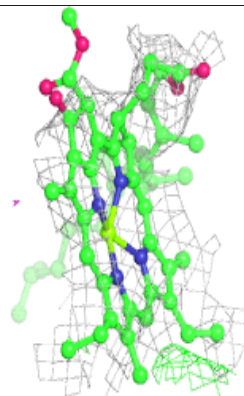
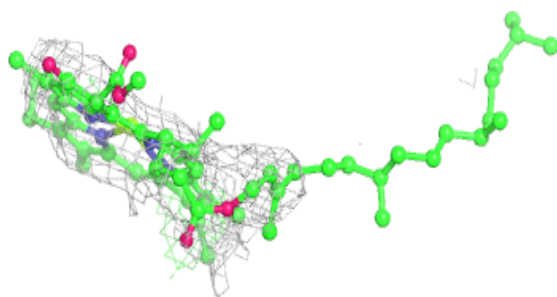
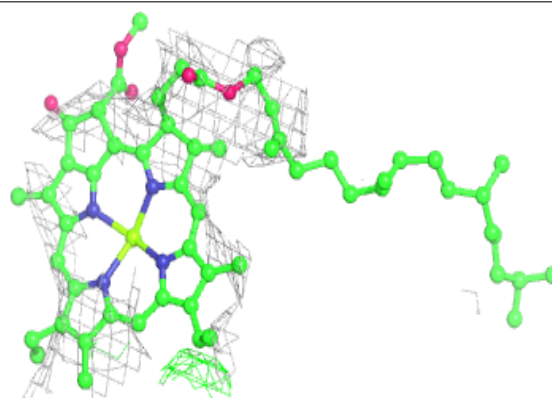


**Electron density around CLA B4 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

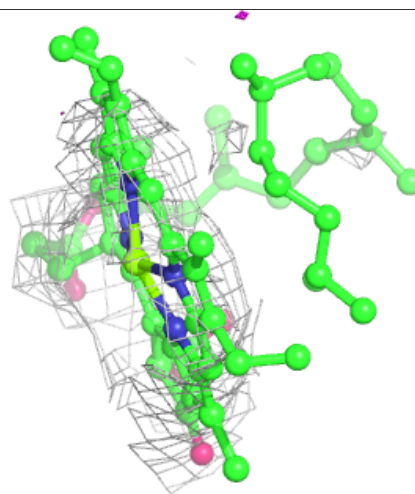
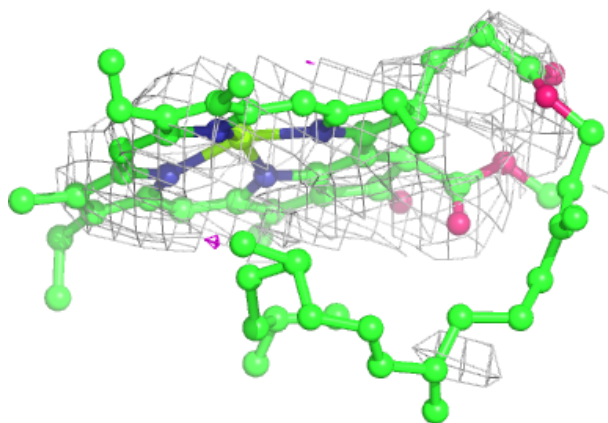
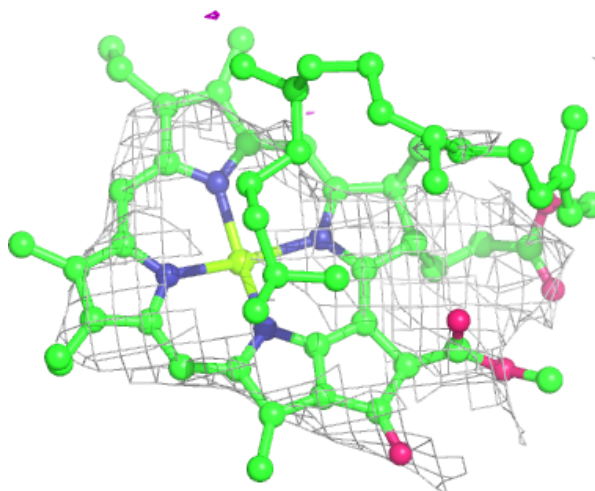
**Electron density around CLA B5 1802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B5 1808:**

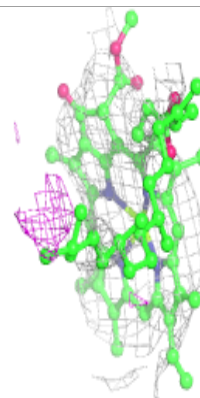
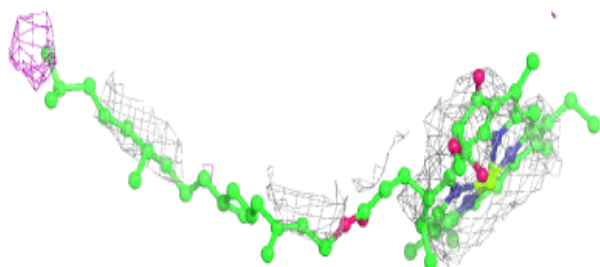
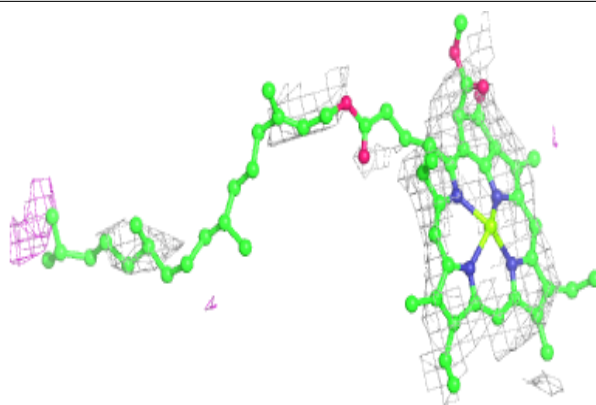
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



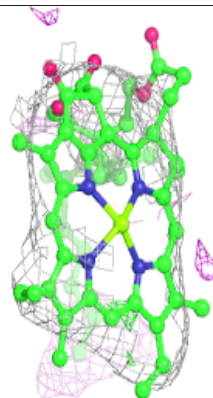
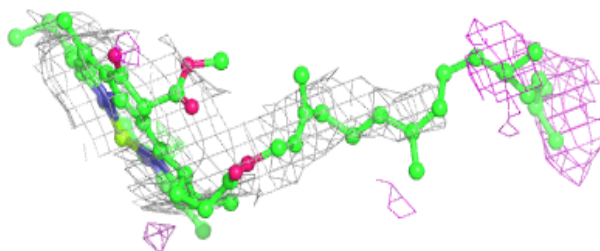
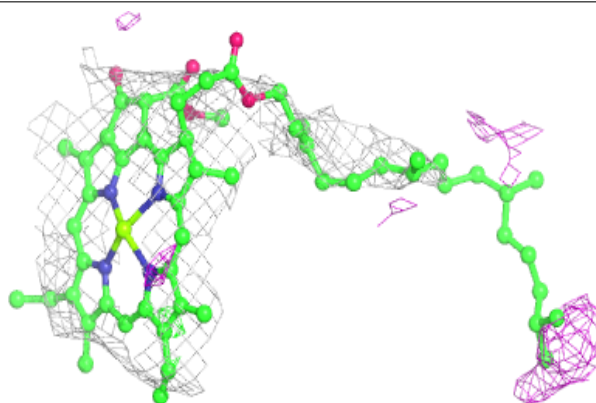


**Electron density around CLA B6 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

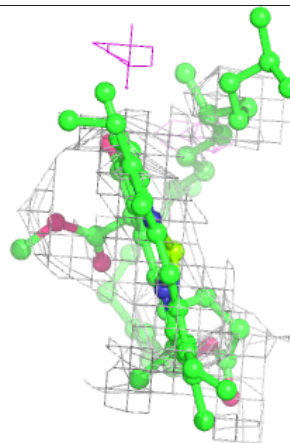
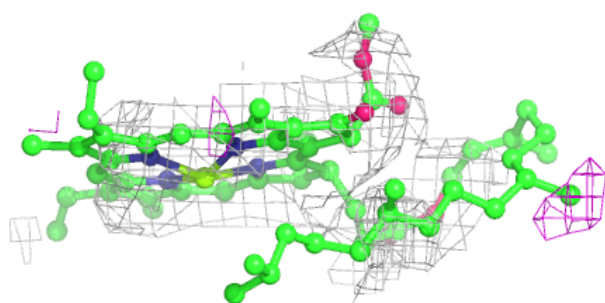
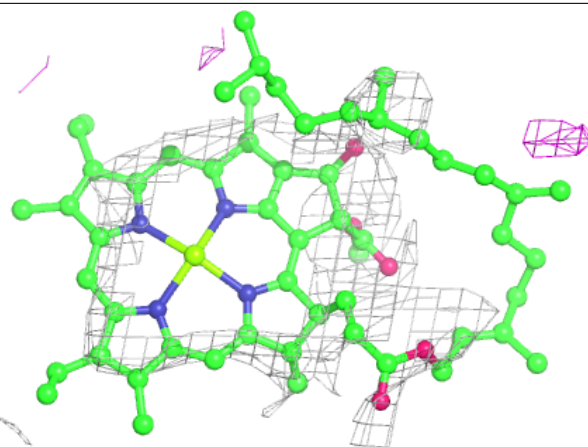
**Electron density around CLA B5 1812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

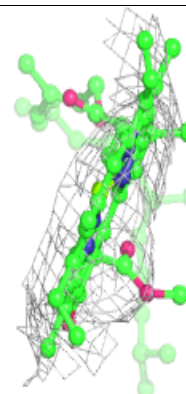
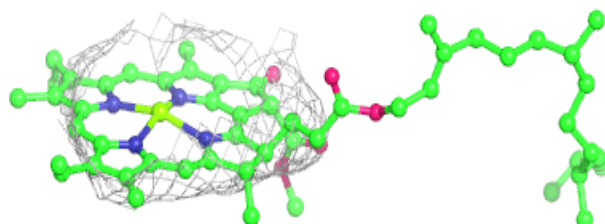
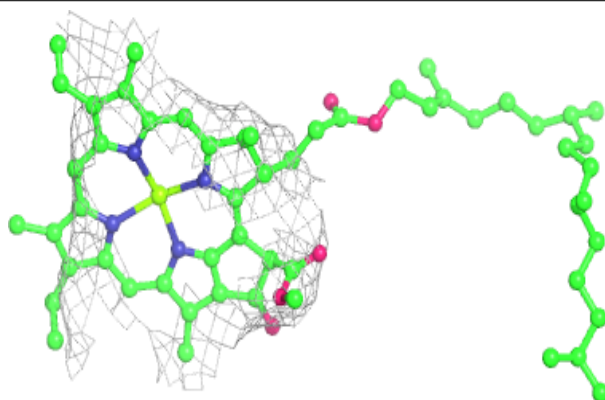


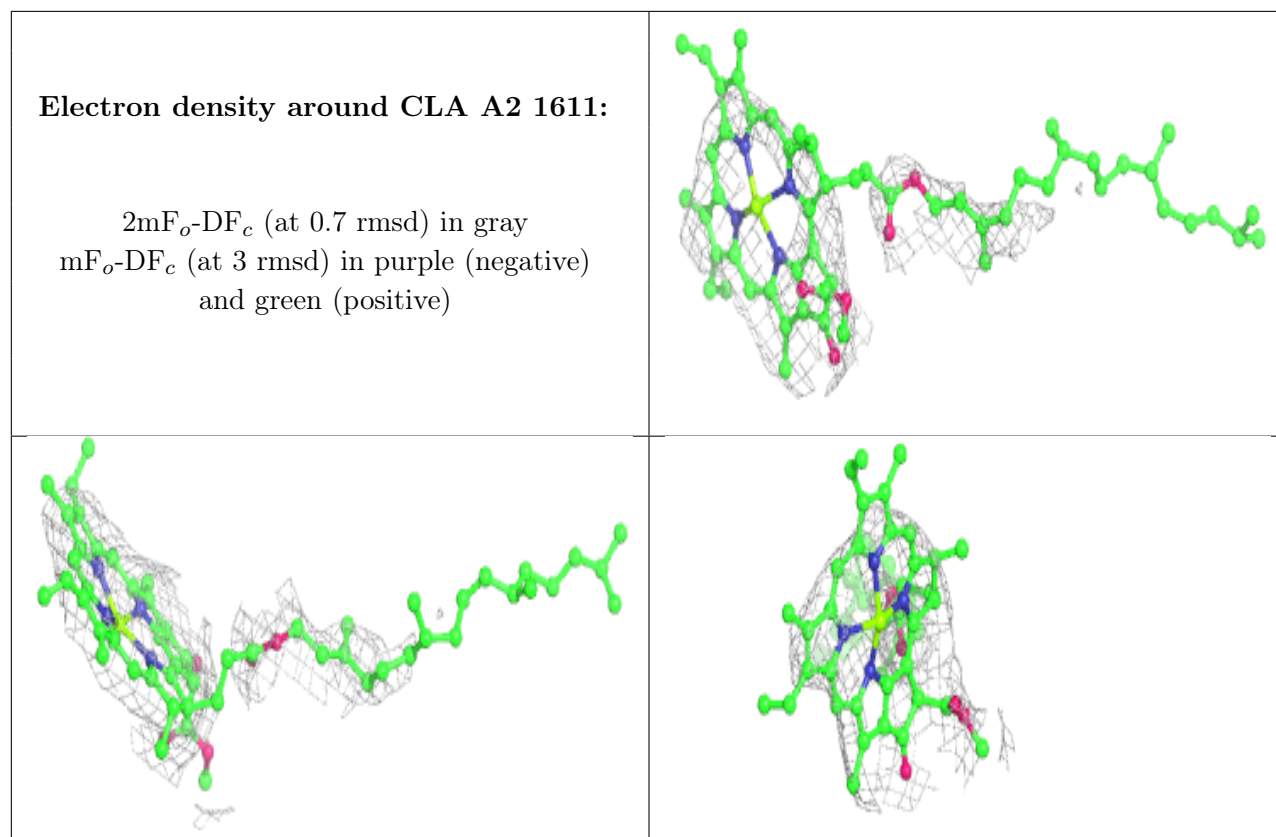
**Electron density around CLA B6 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B4 828:**

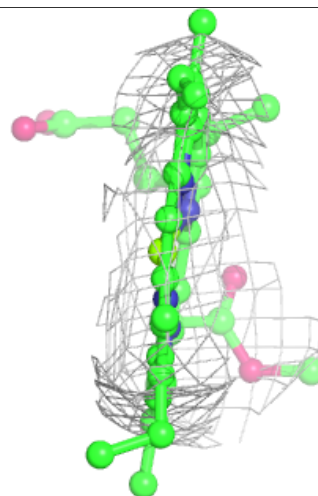
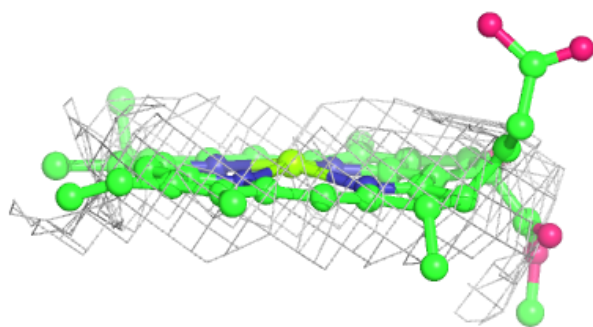
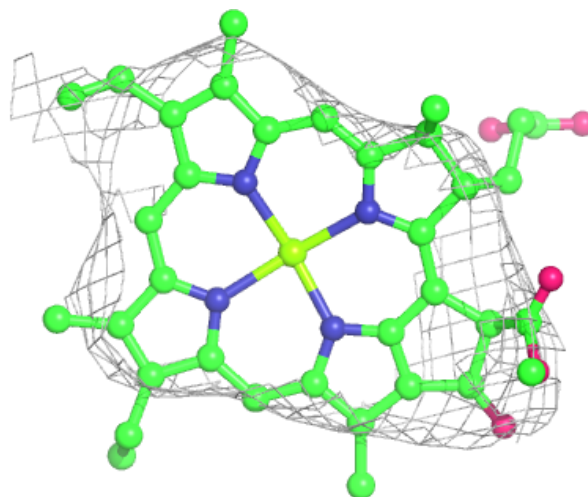
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





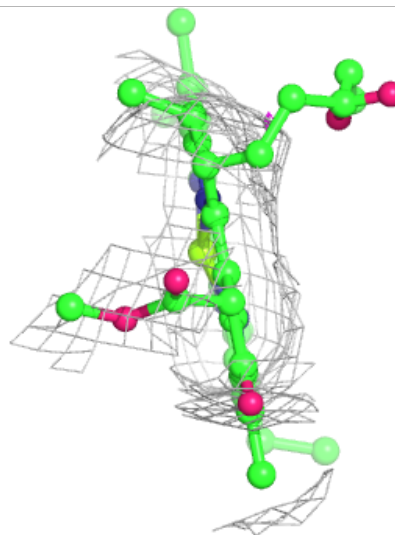
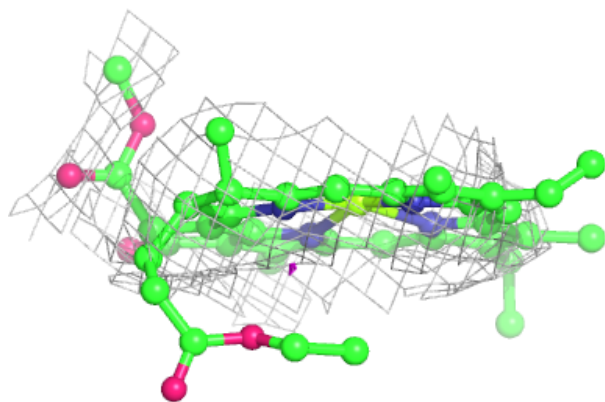
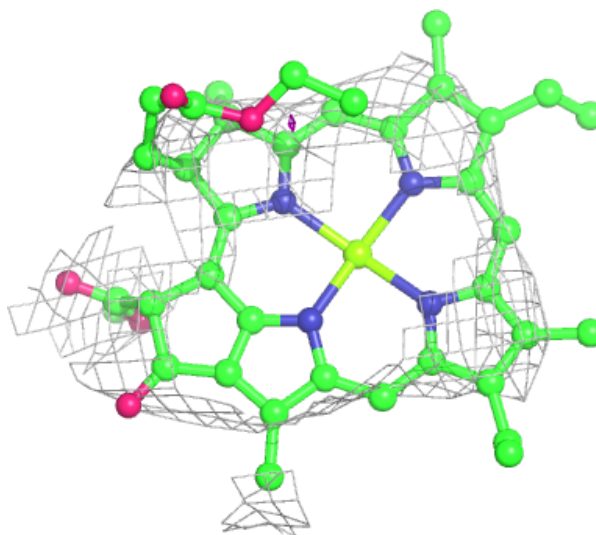
**Electron density around CLA J3 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



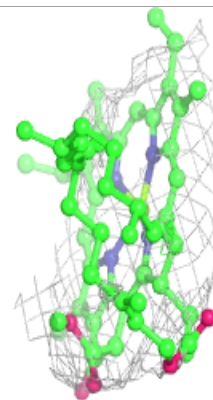
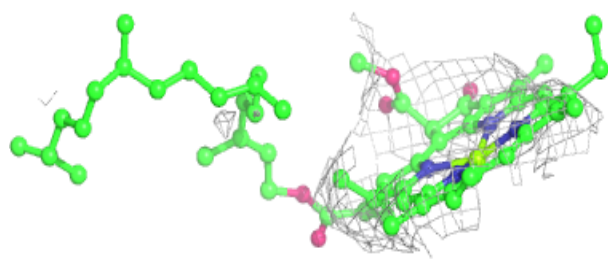
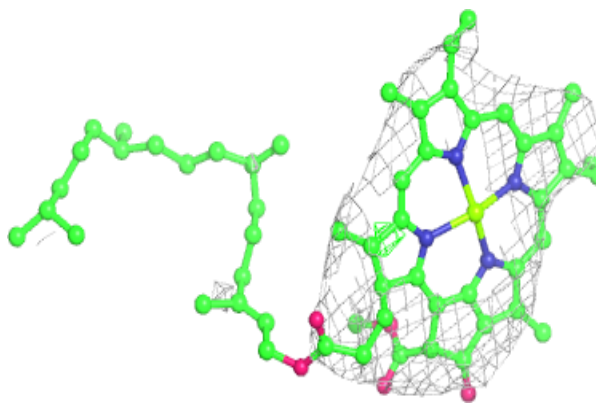
**Electron density around CLA B2 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

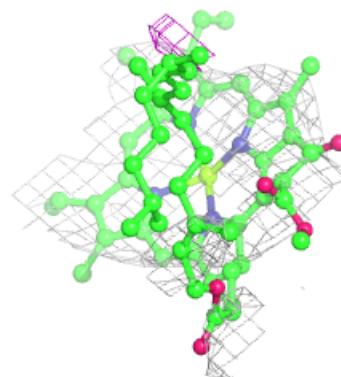
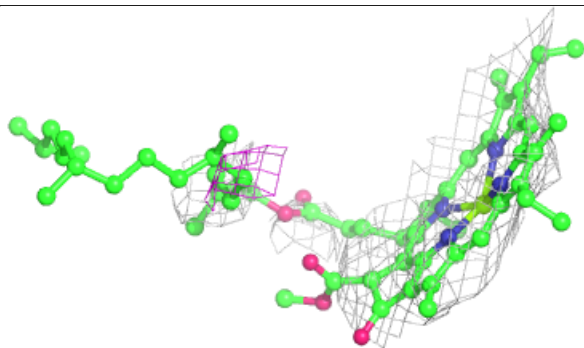
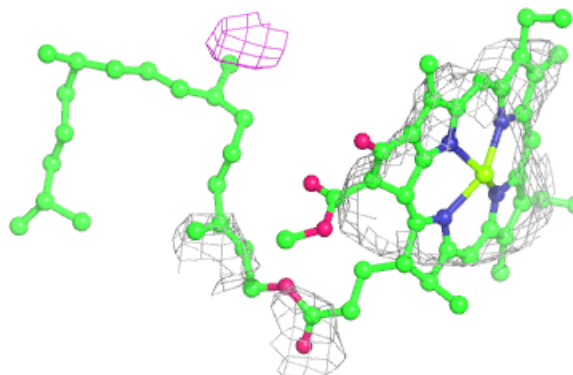


**Electron density around CLA A5 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A1 801:**

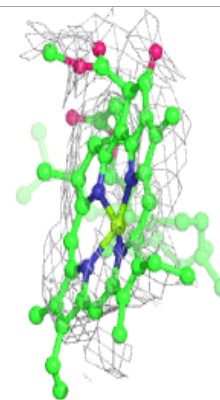
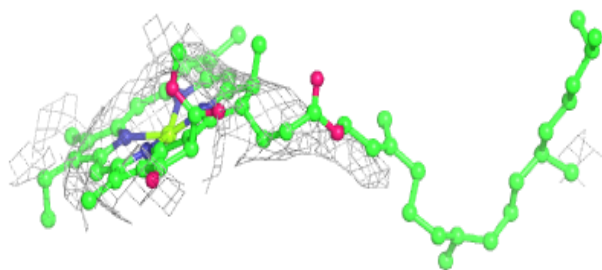
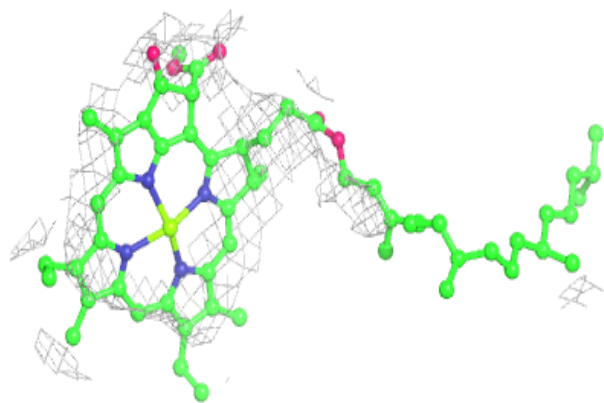
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



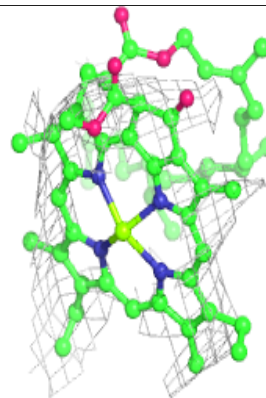
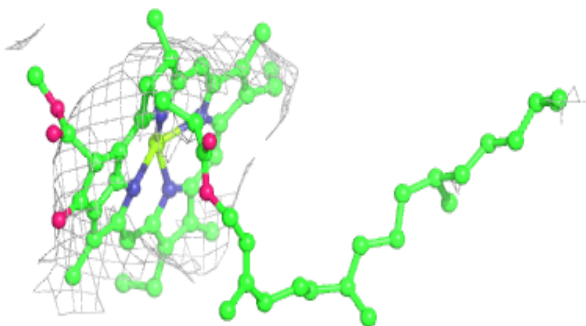
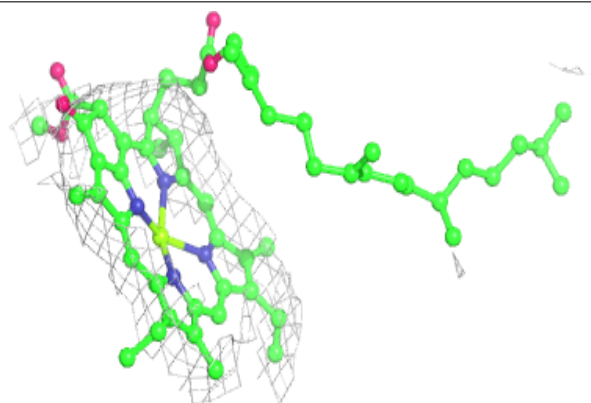


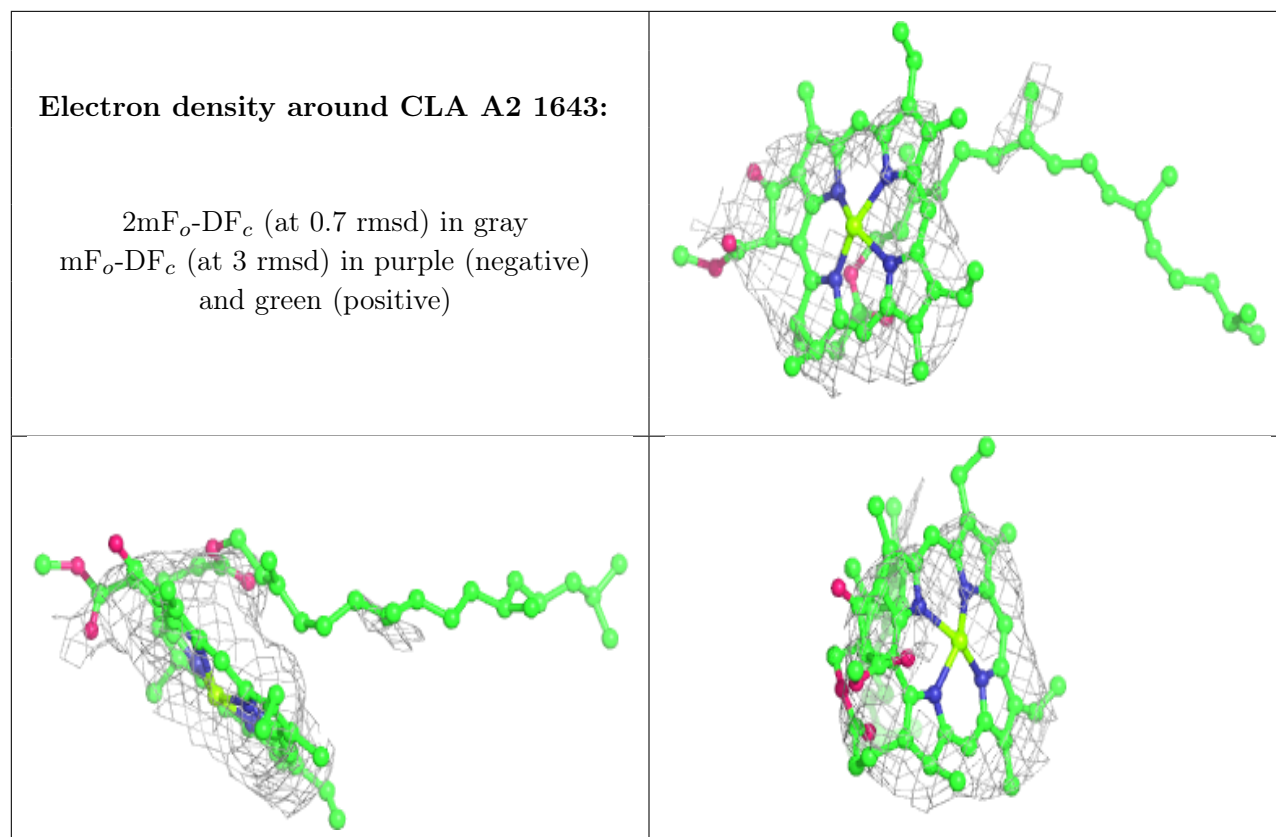
**Electron density around CLA B6 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B6 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

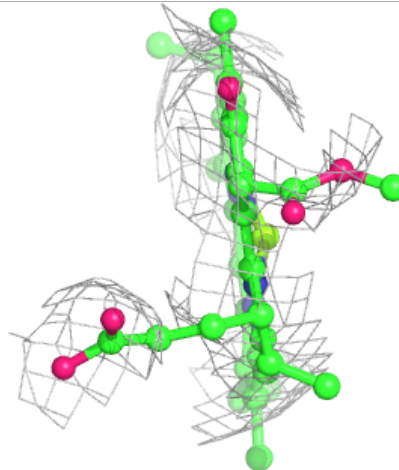
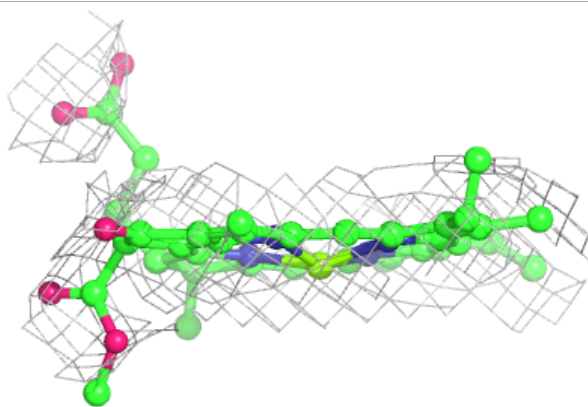
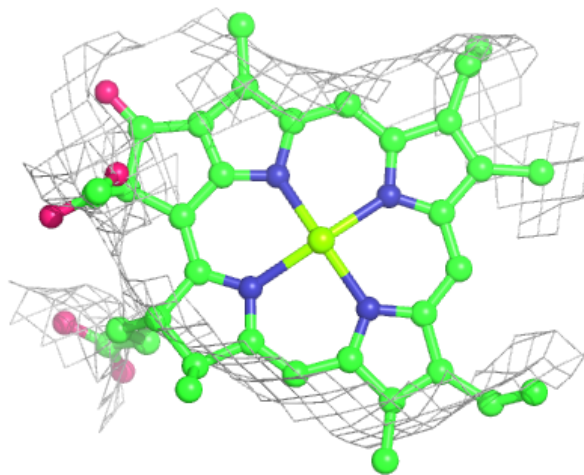






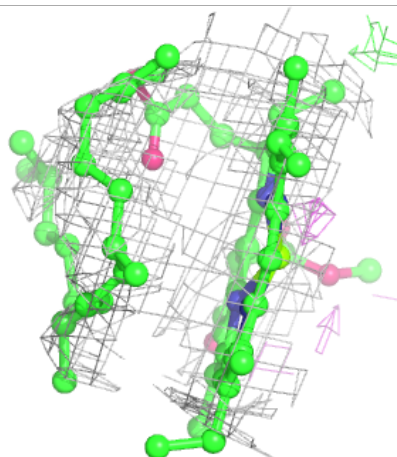
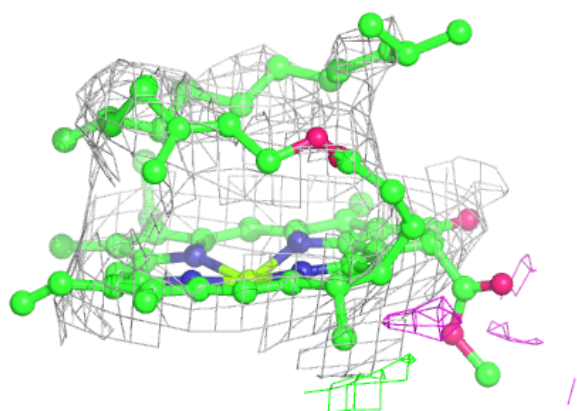
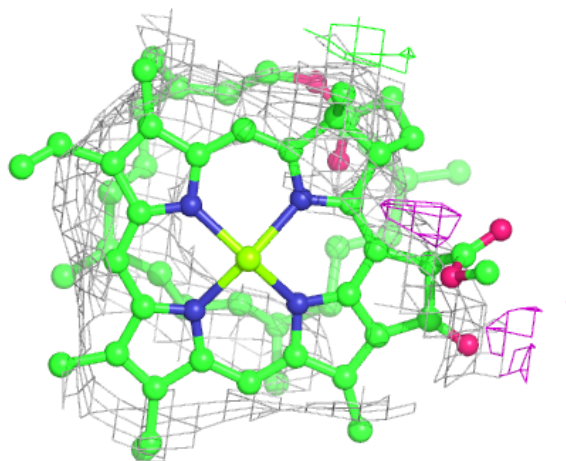
**Electron density around CLA A5 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



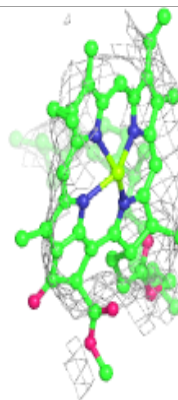
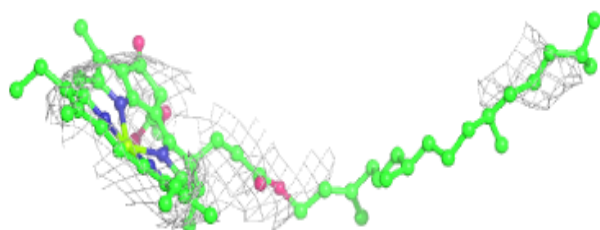
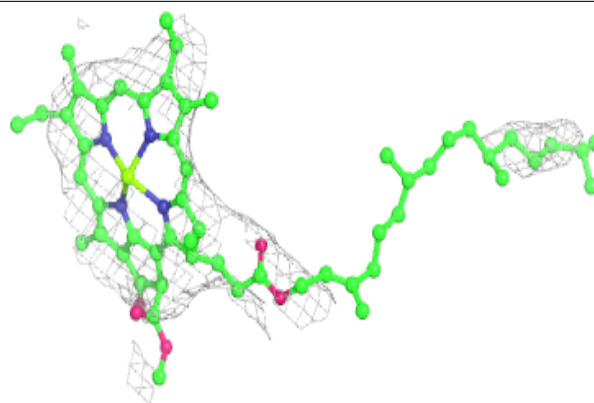
**Electron density around CLA L3 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

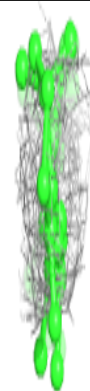
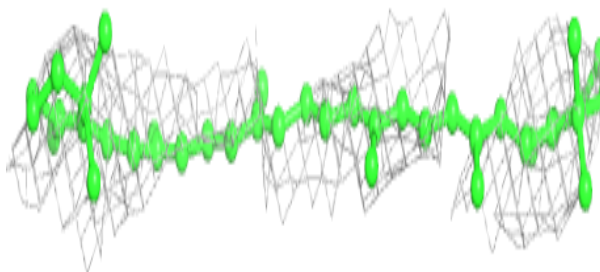
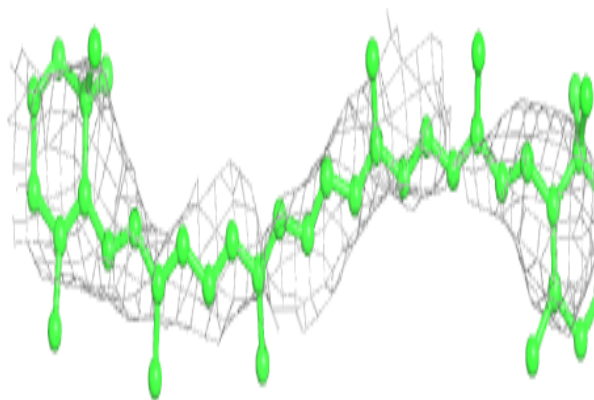


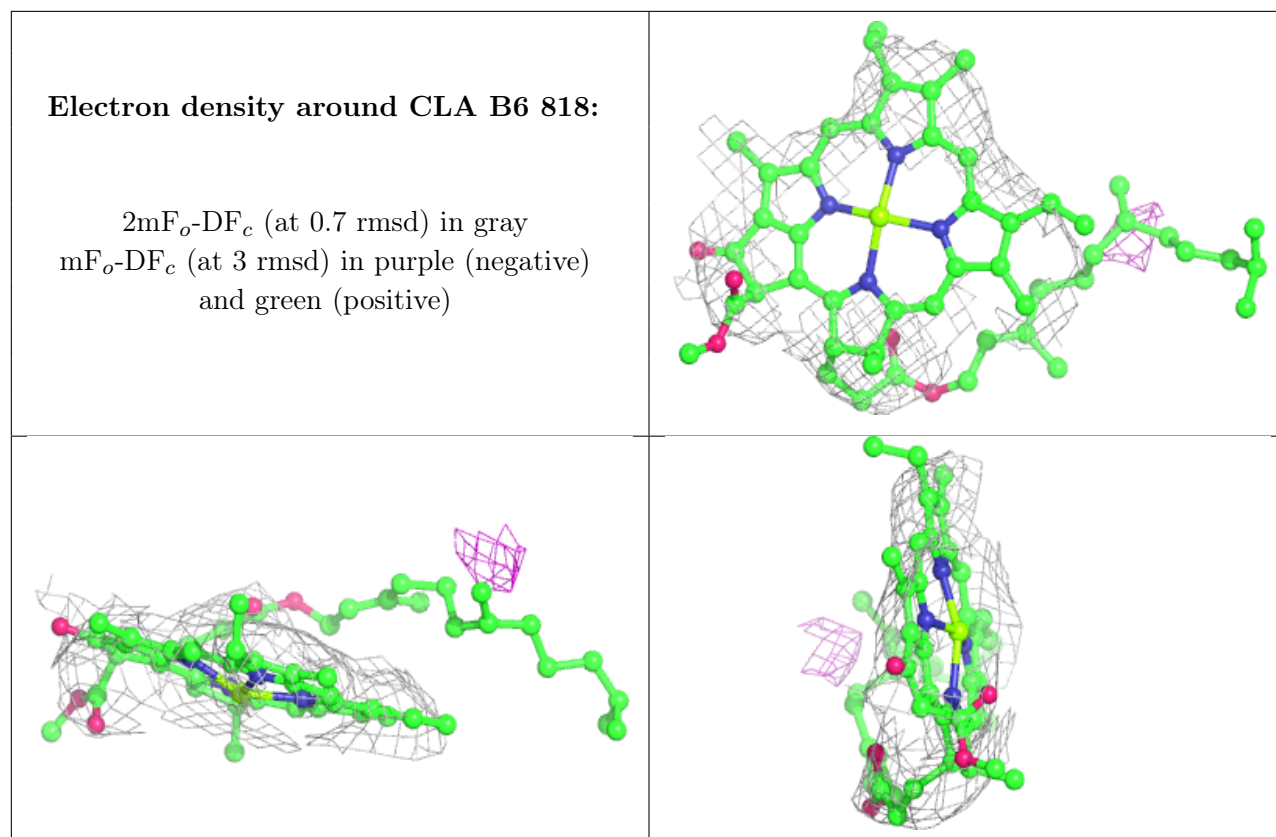
**Electron density around CLA B4 801:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR L4 206:**

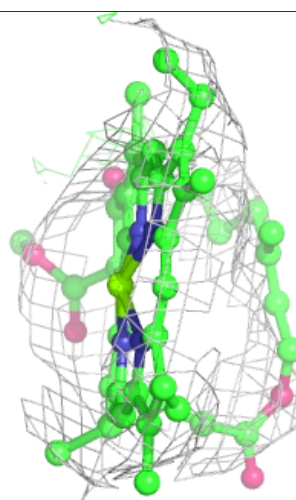
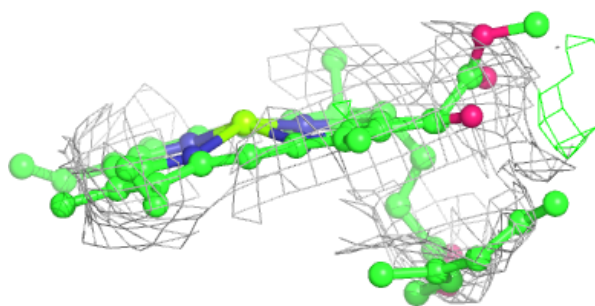
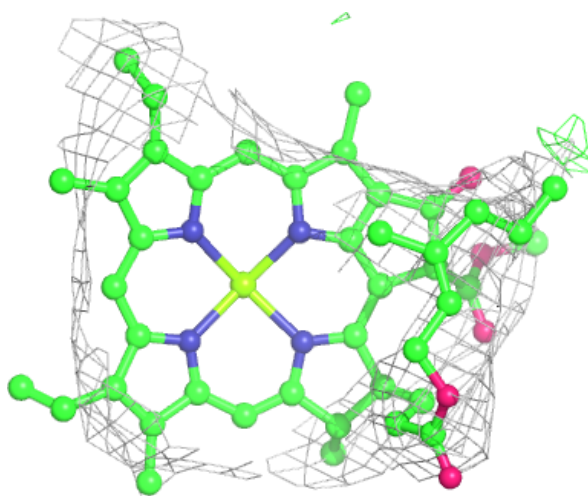
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





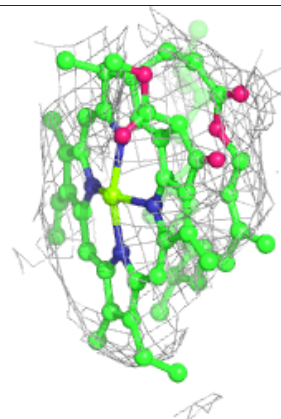
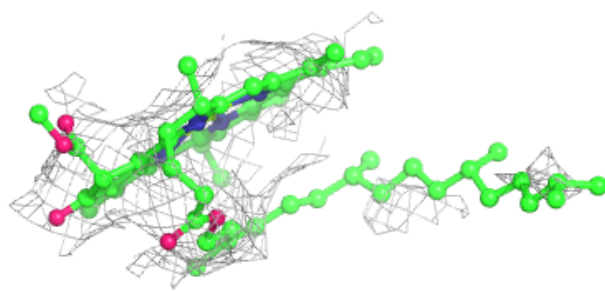
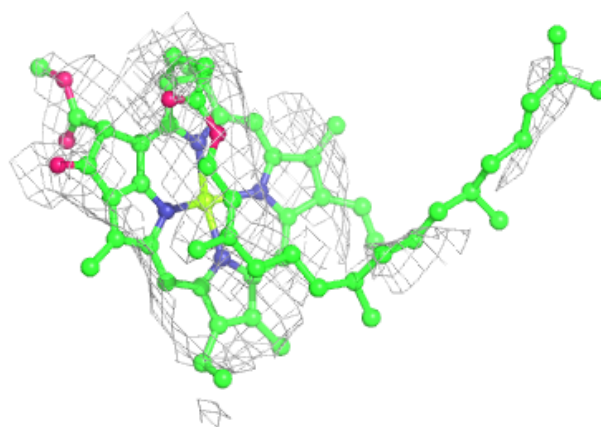
**Electron density around CLA A3 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

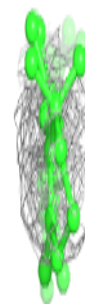
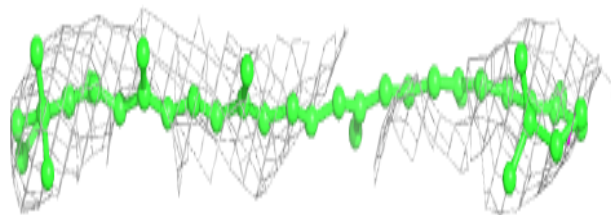
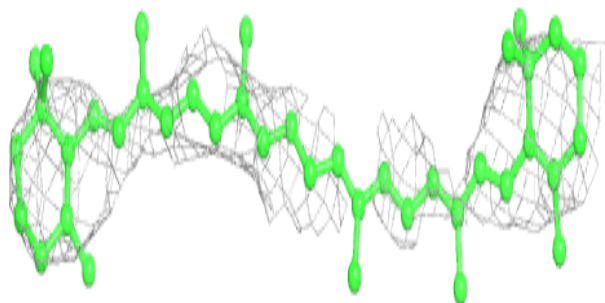


**Electron density around CLA B1 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR L5 207:**

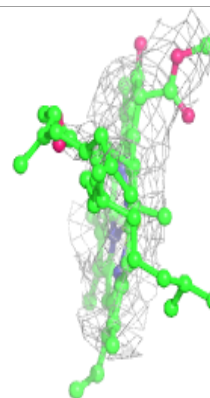
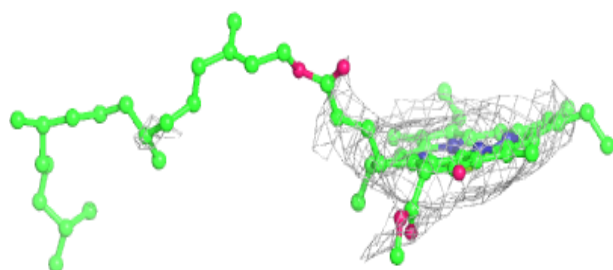
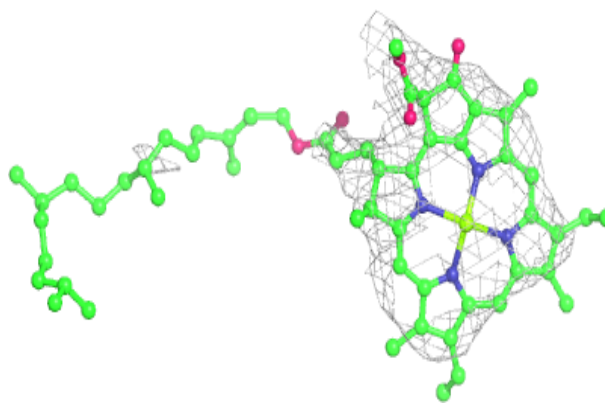
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



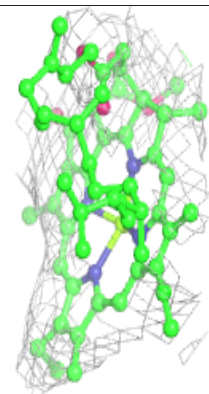
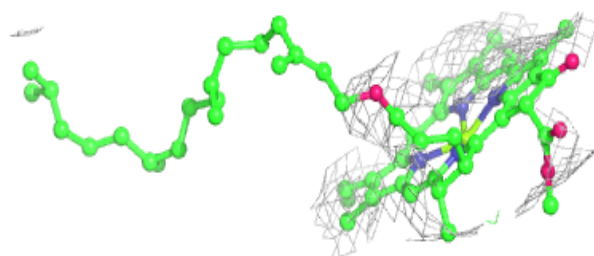
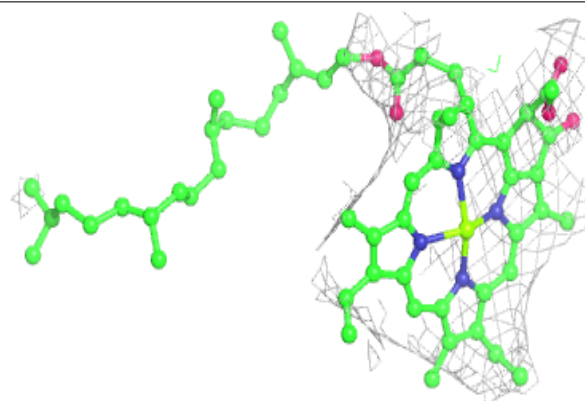


**Electron density around CLA A5 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

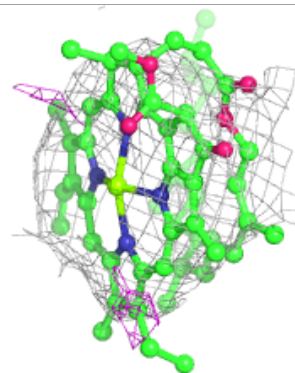
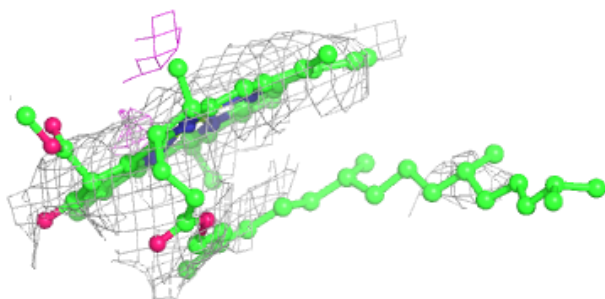
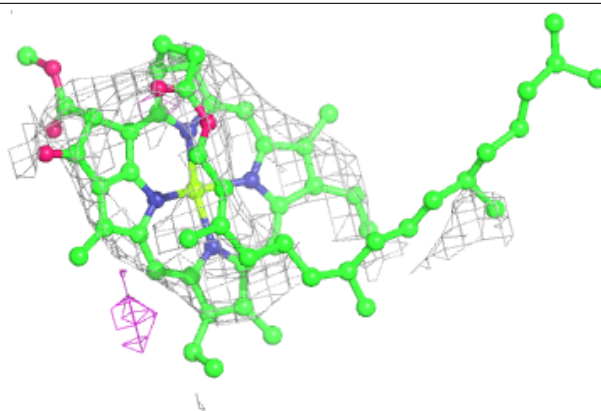
**Electron density around CLA A1 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

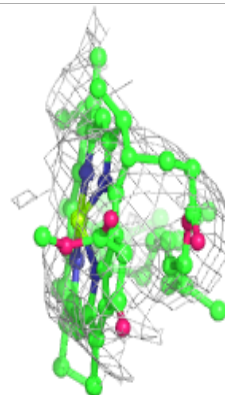
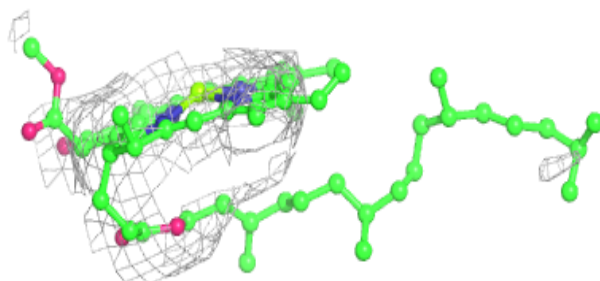
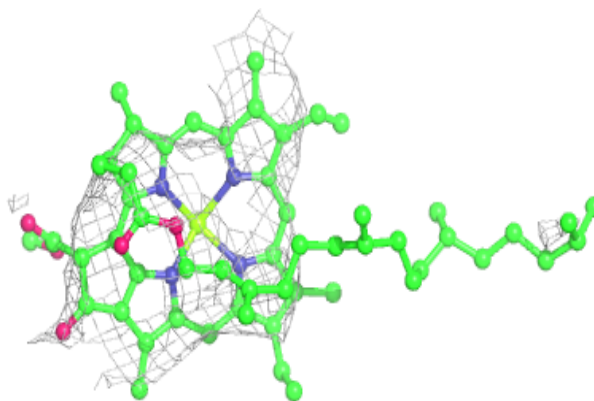


**Electron density around CLA B2 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A1 835:**

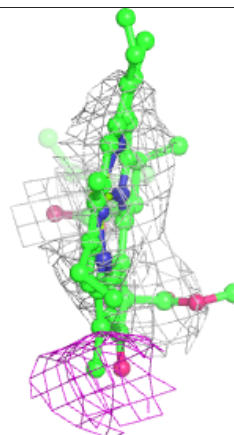
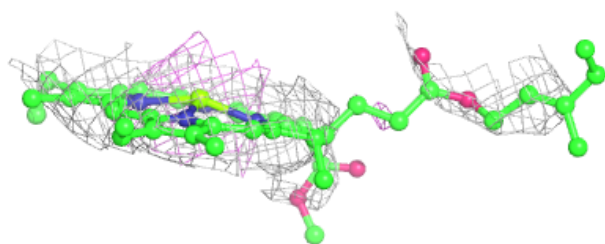
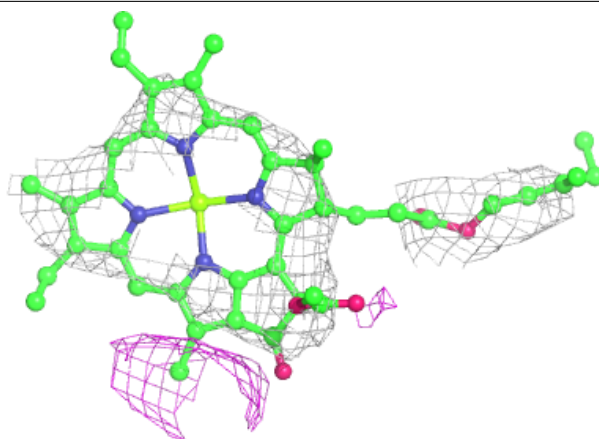
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



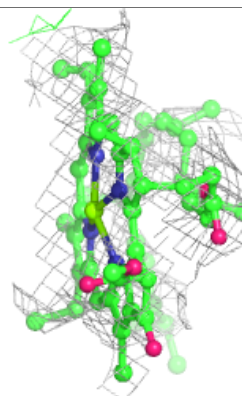
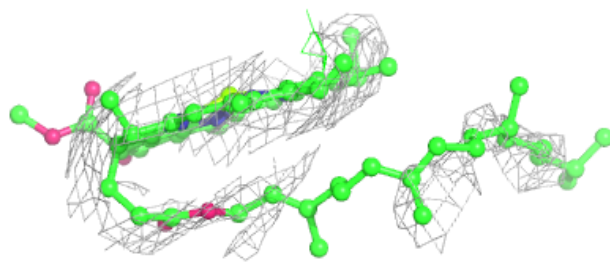
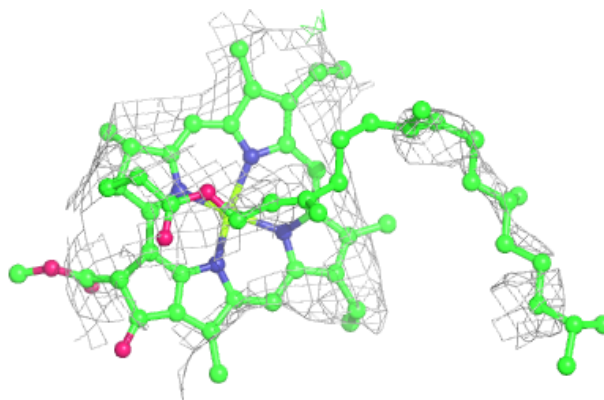


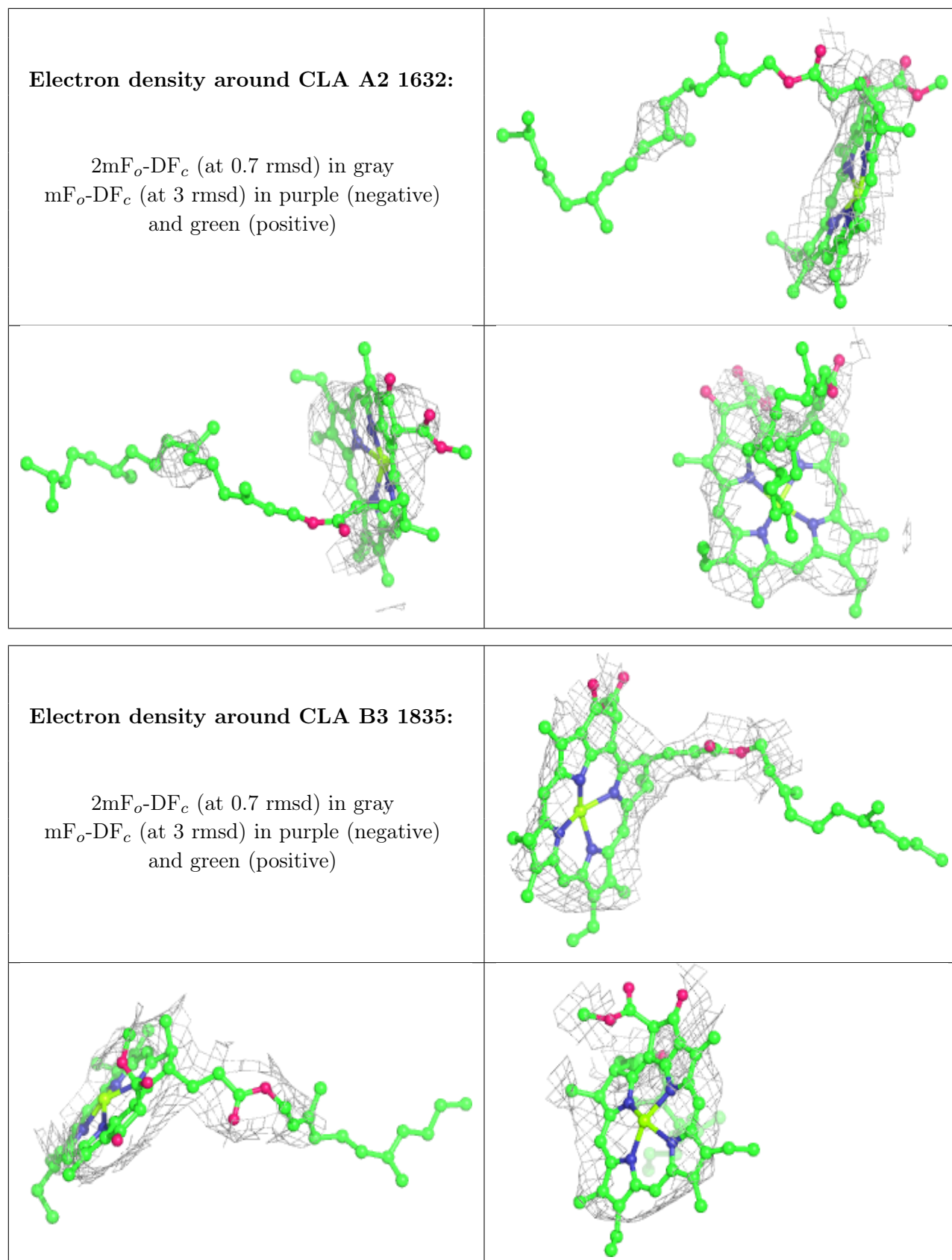
**Electron density around CLA A5 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1840:**

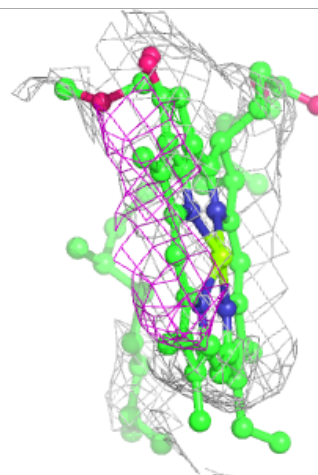
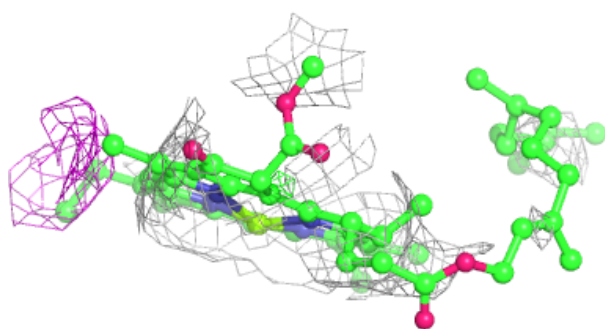
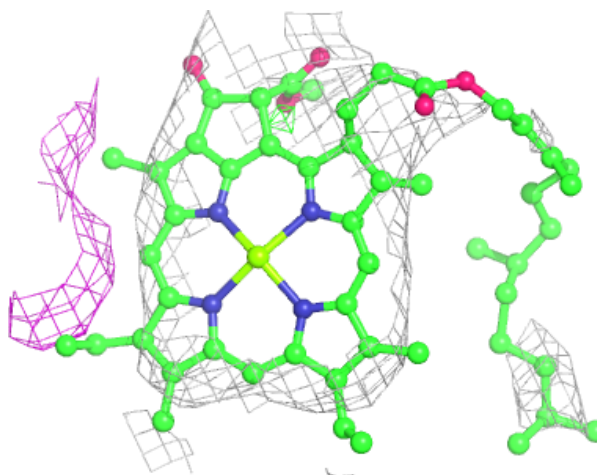
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





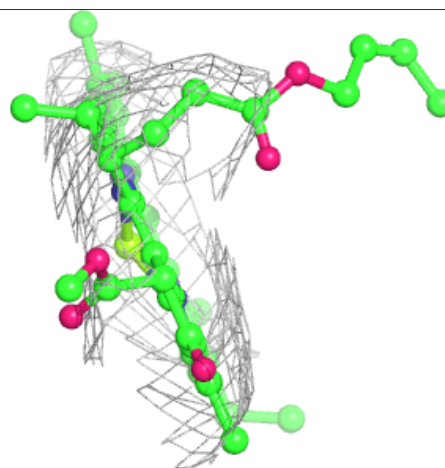
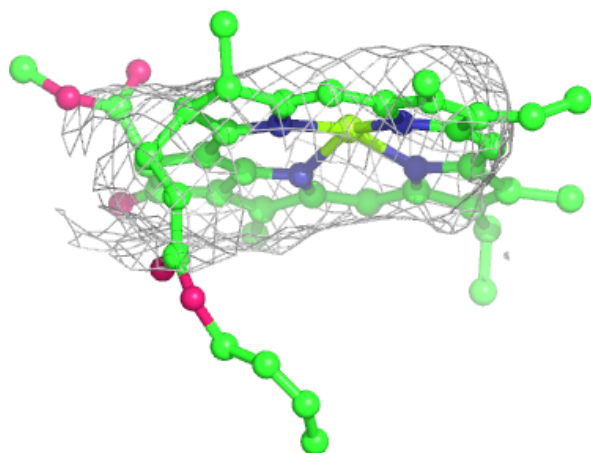
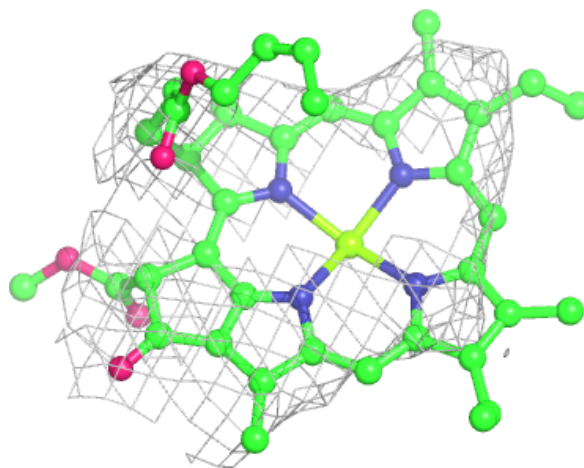
**Electron density around CLA A3 813:**

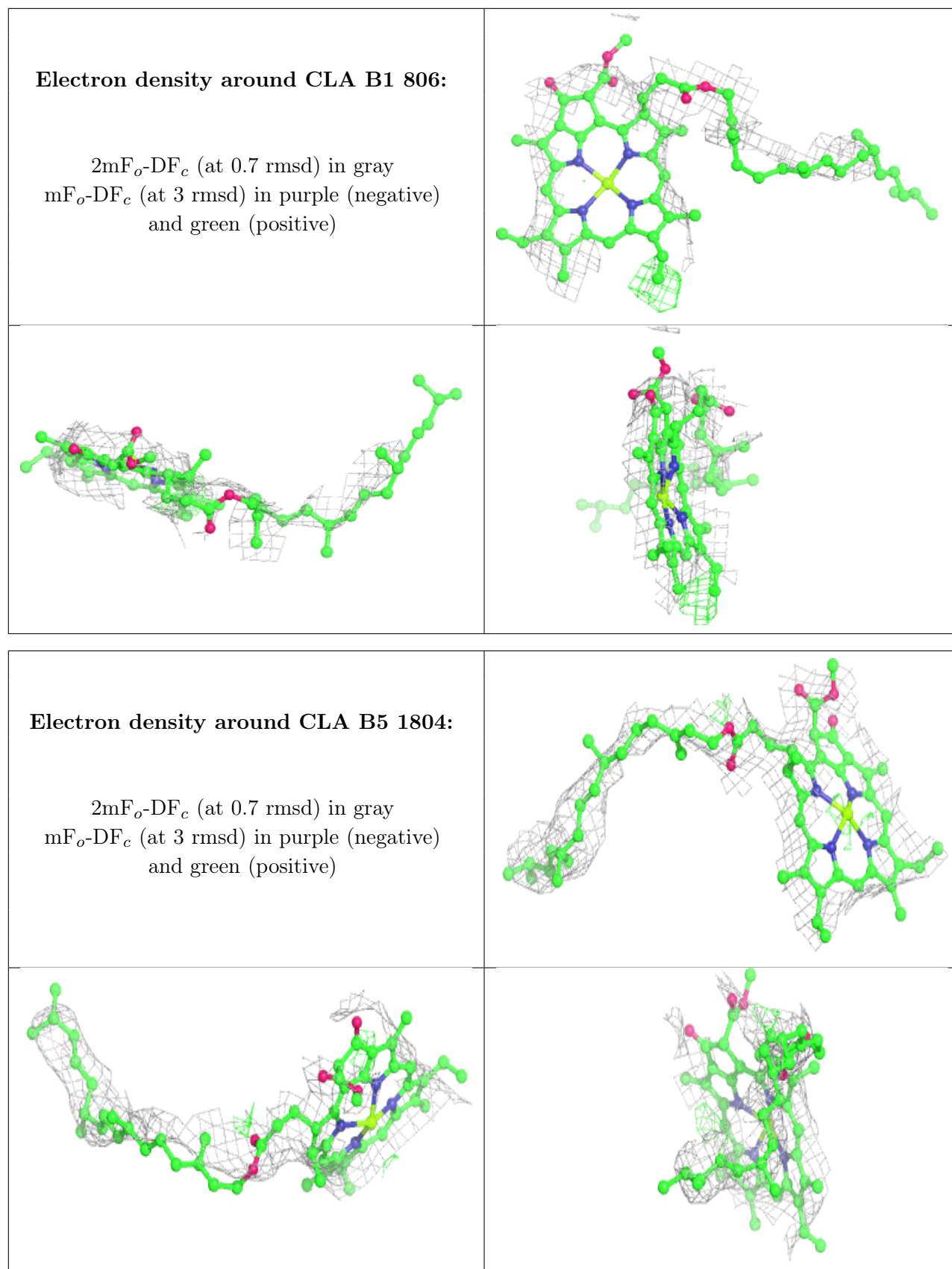
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

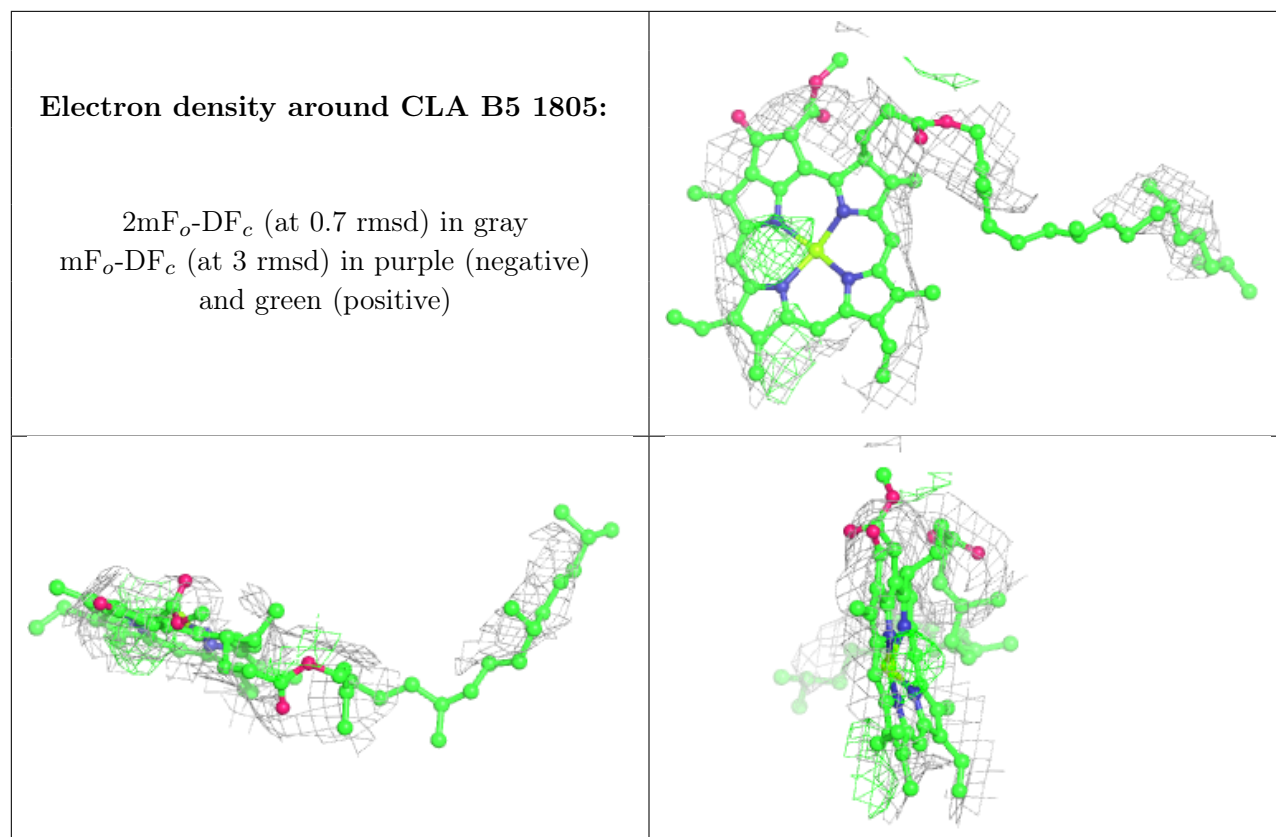


**Electron density around CLA B4 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



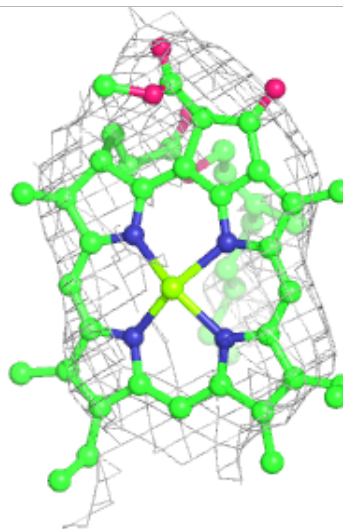
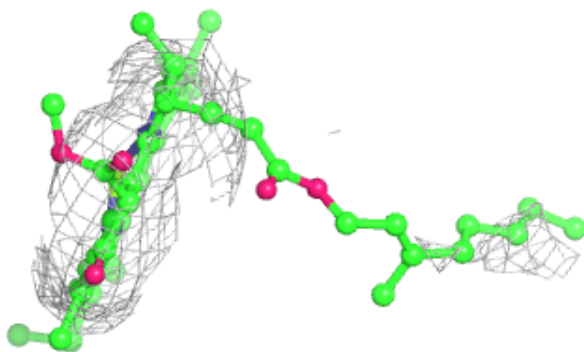
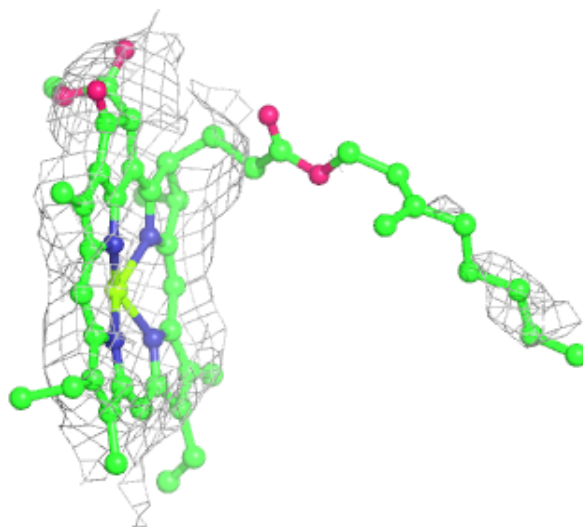


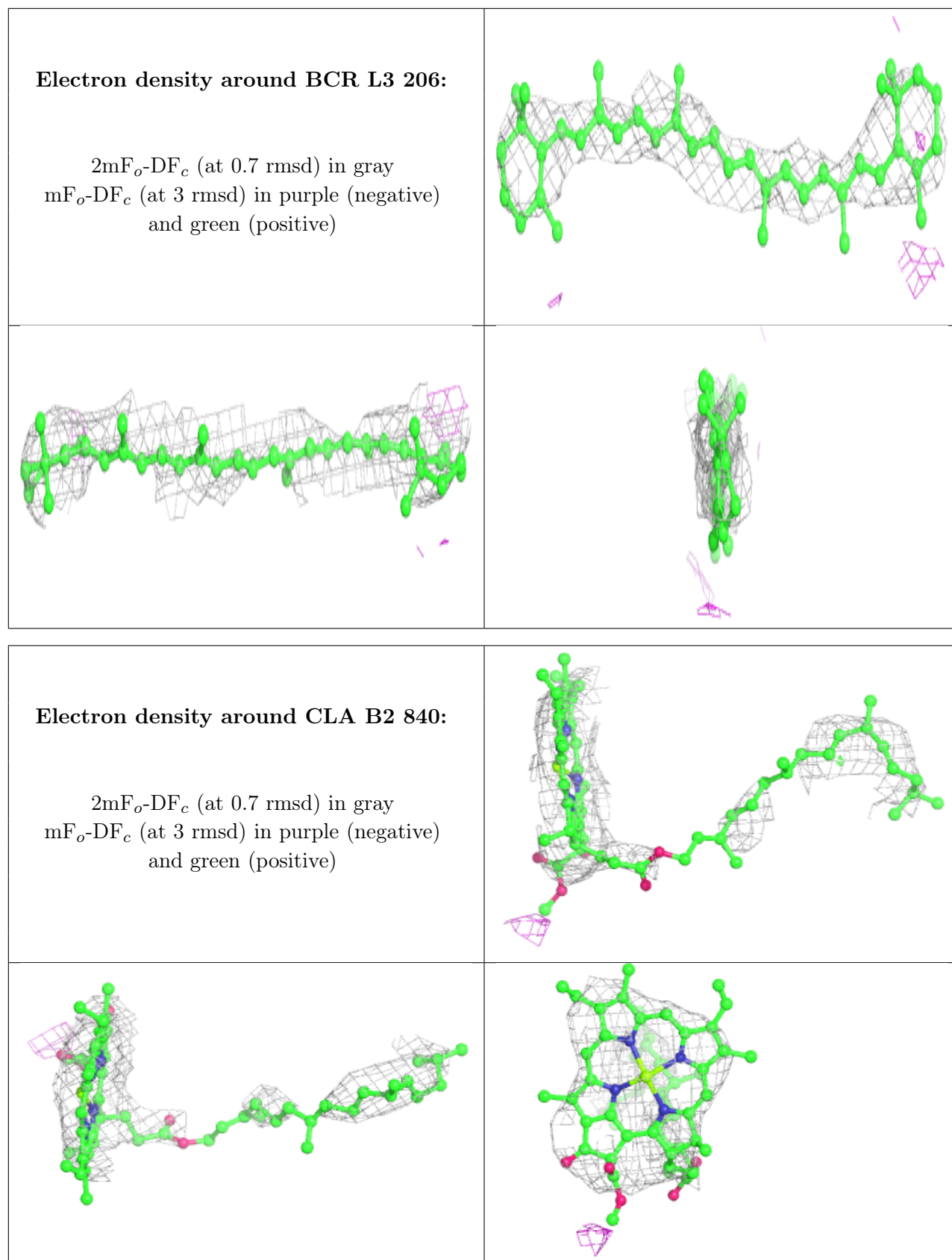




**Electron density around CLA B5 1806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

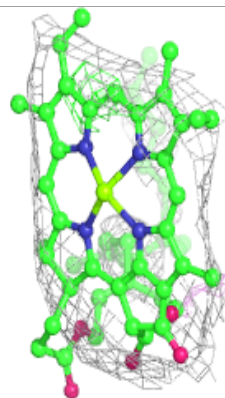
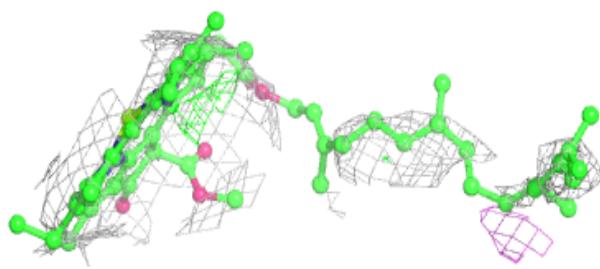
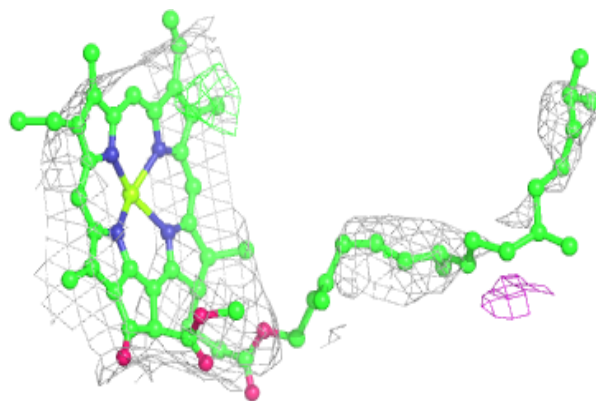




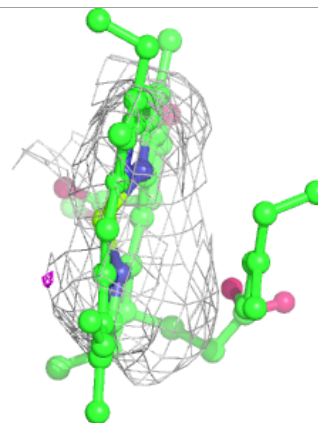
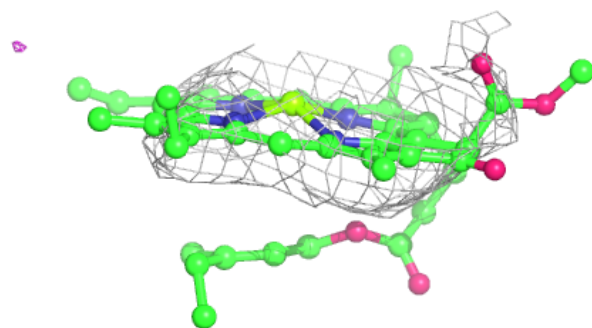
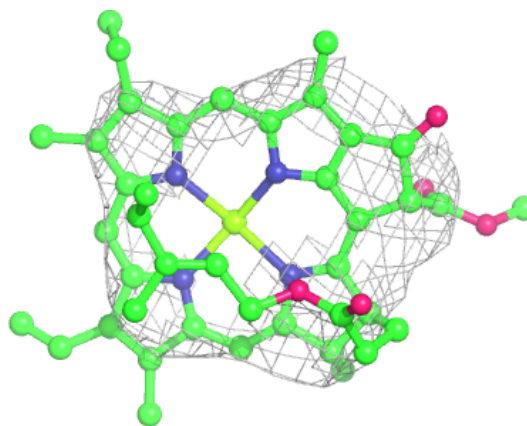


**Electron density around CLA B4 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

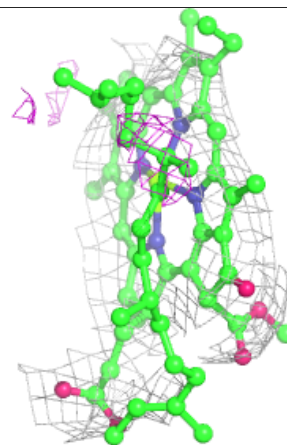
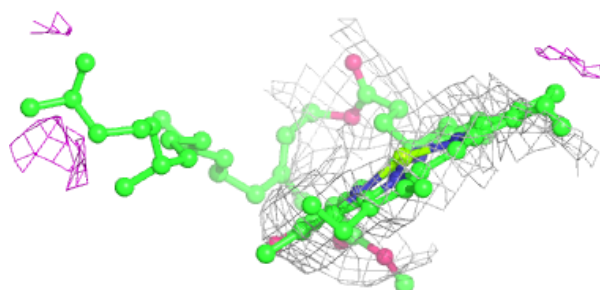
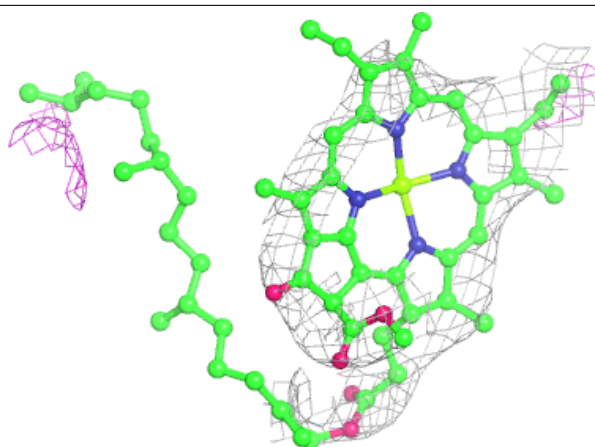
**Electron density around CLA A6 1623:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

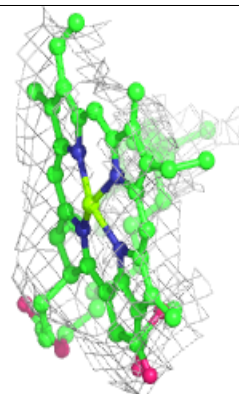
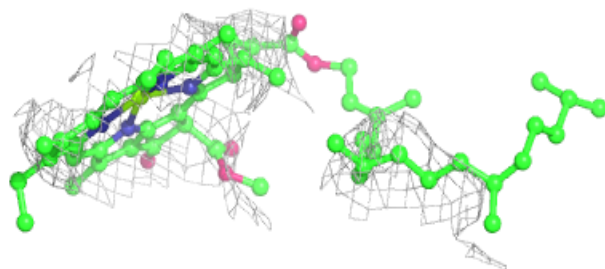
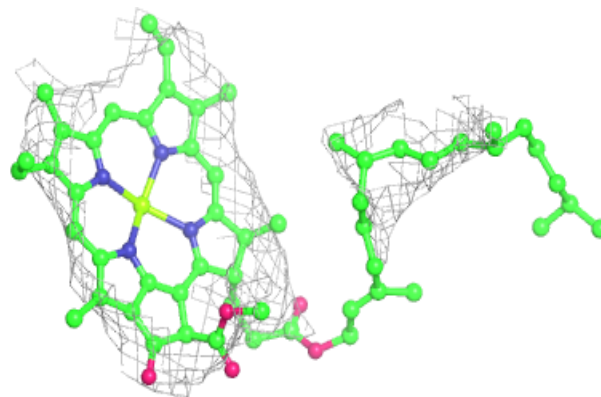


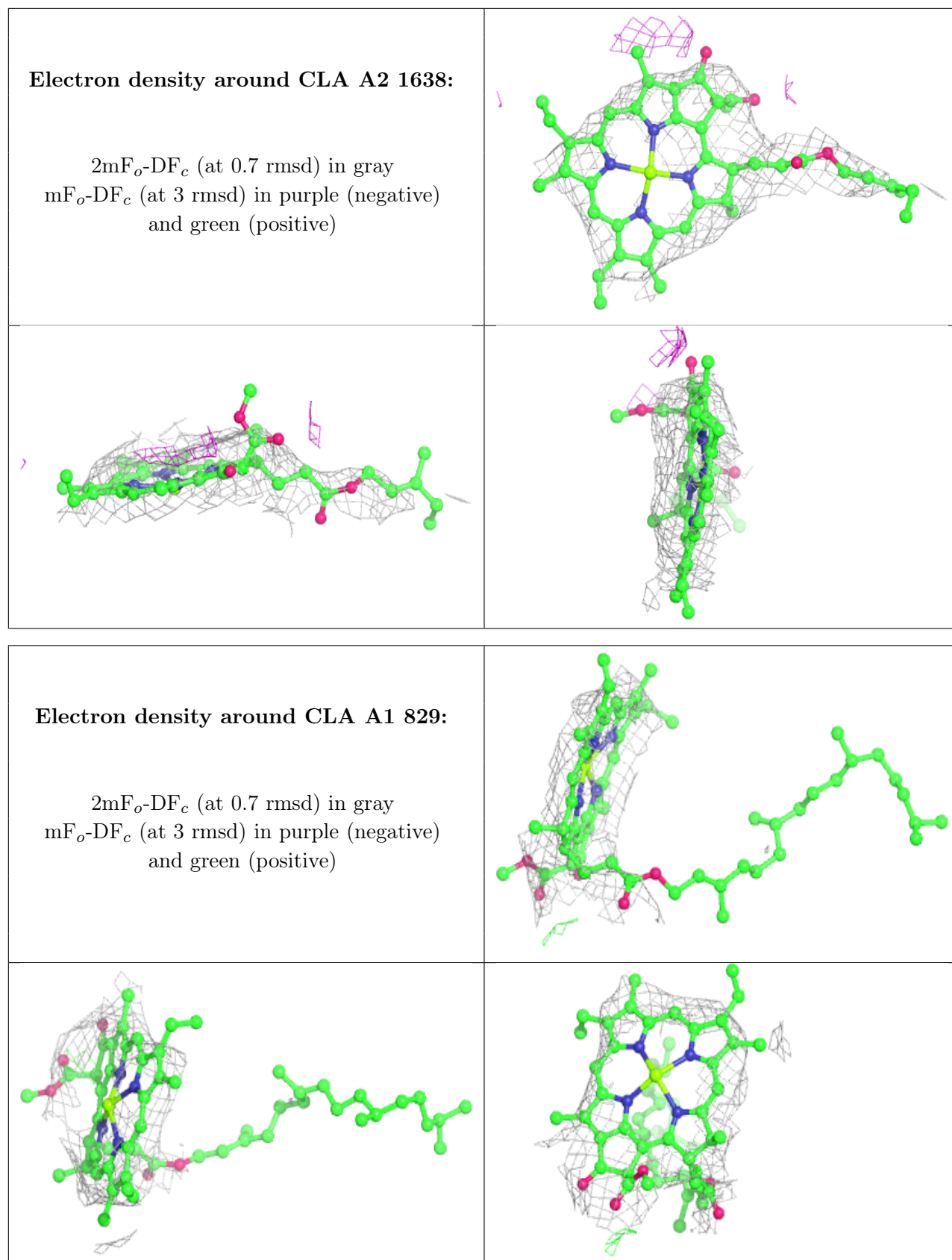
**Electron density around CLA A6 1625:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA J6 1101:**

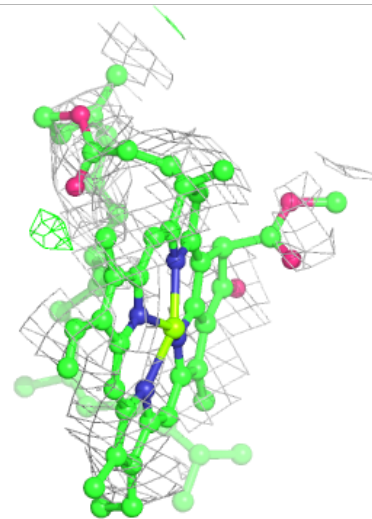
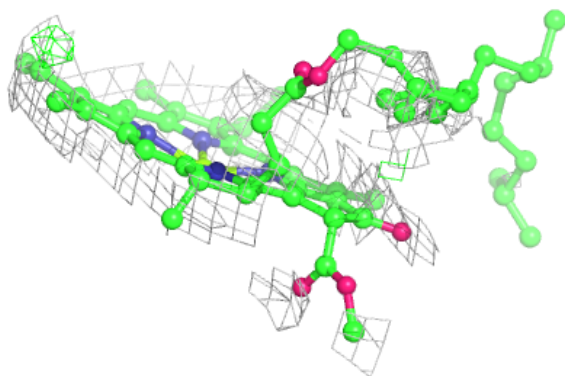
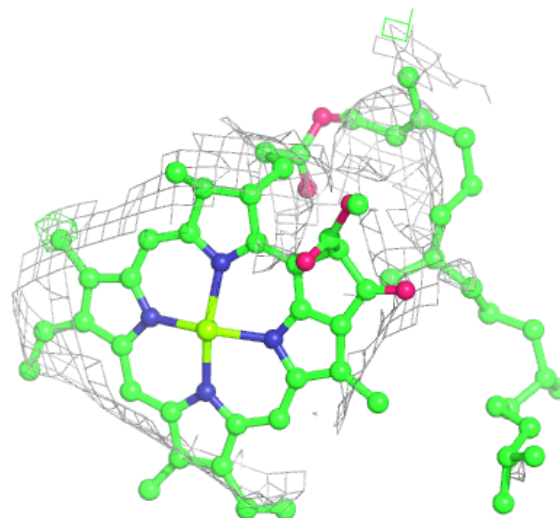
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





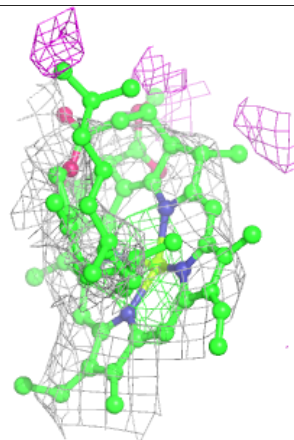
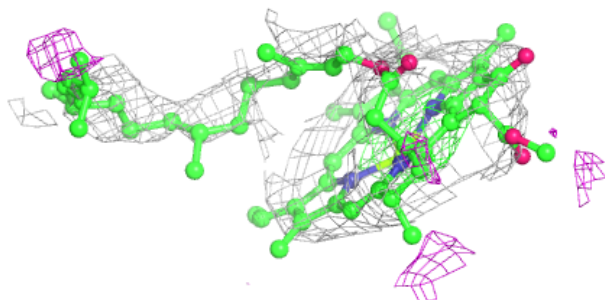
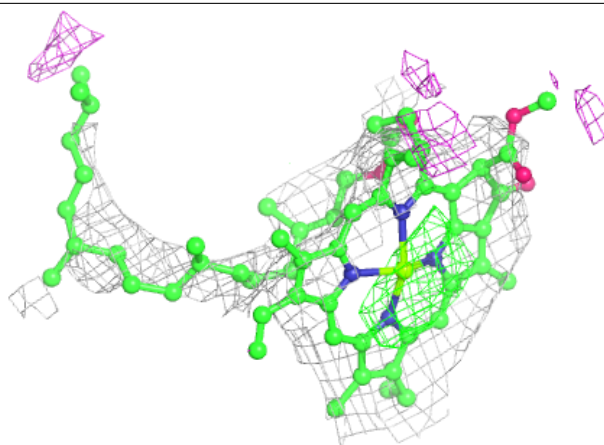
**Electron density around CLA B1 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

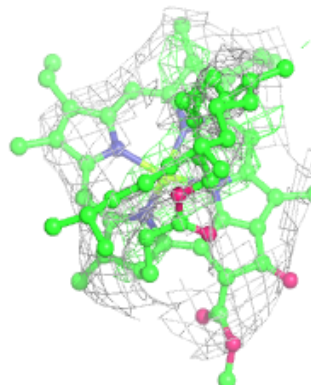
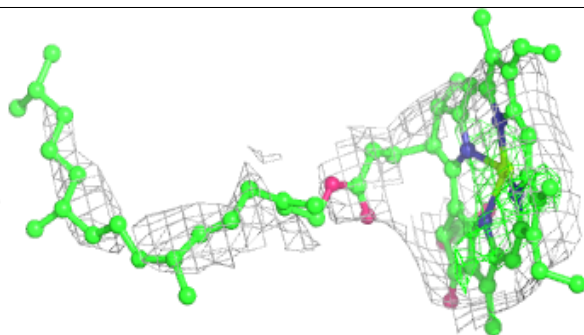
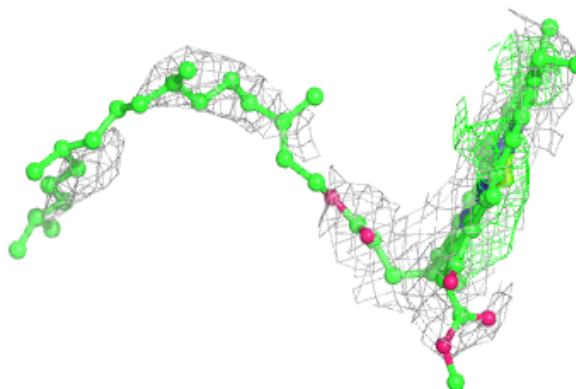


**Electron density around CLA L6 203:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)

**Electron density around CLA B4 842:**

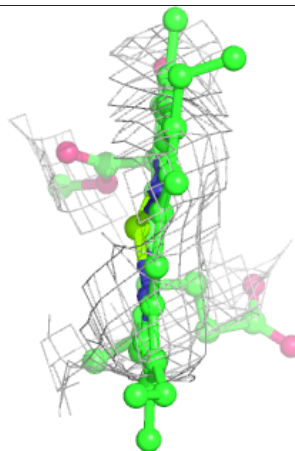
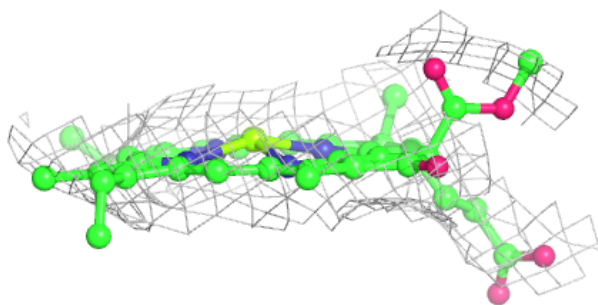
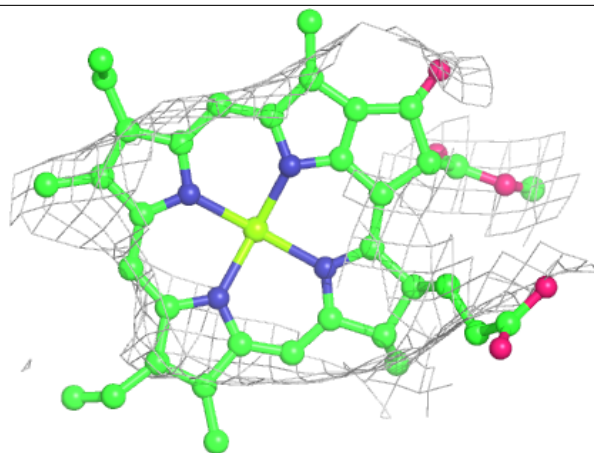
$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)



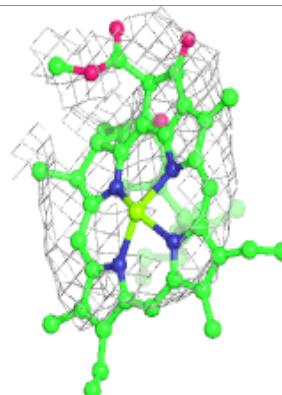
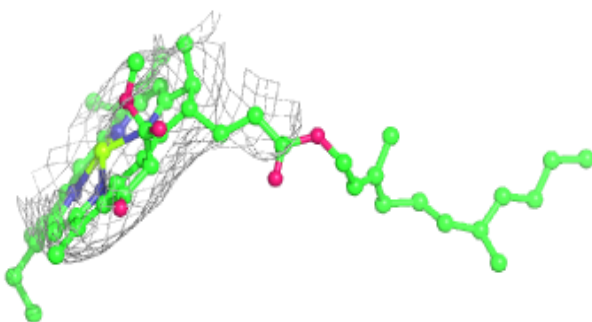
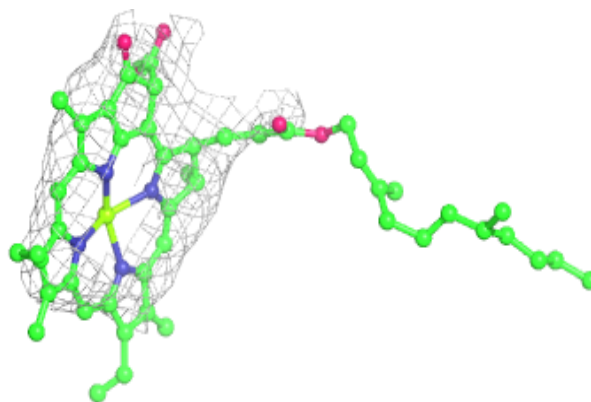


**Electron density around CLA B4 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

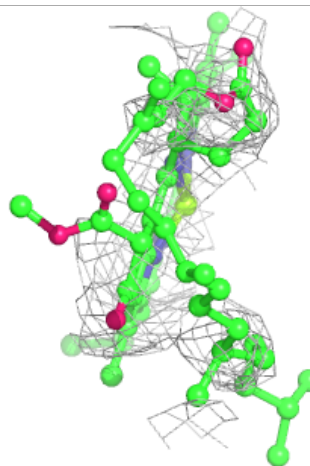
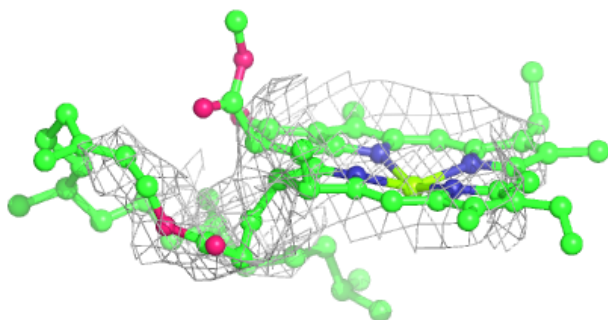
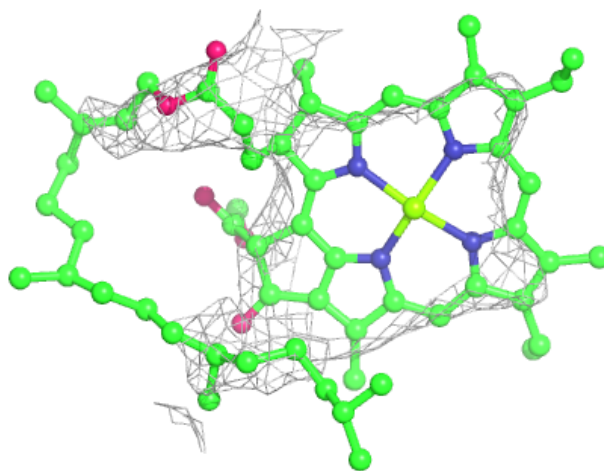
**Electron density around CLA B6 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



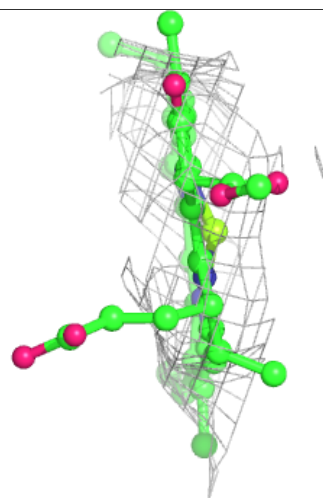
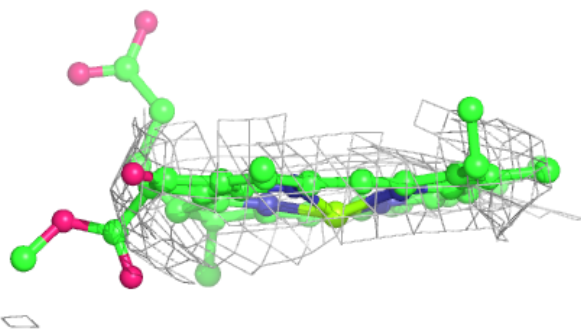
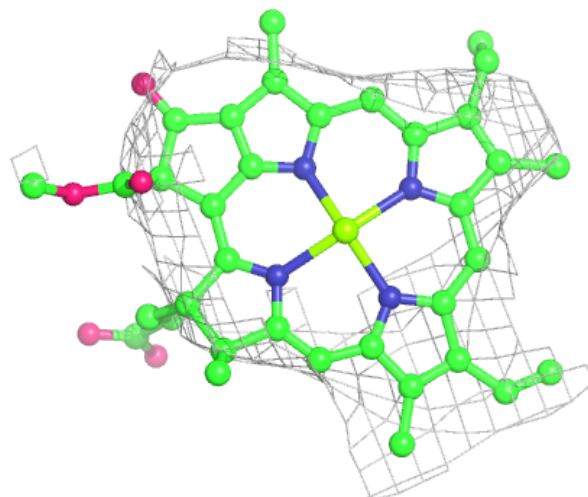
**Electron density around CLA B5 1807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B6 835:**

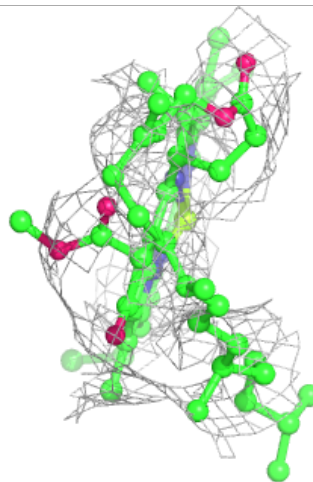
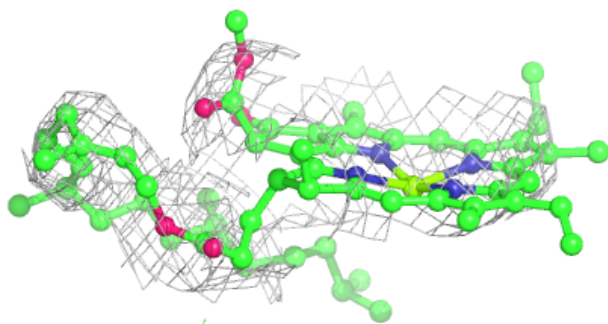
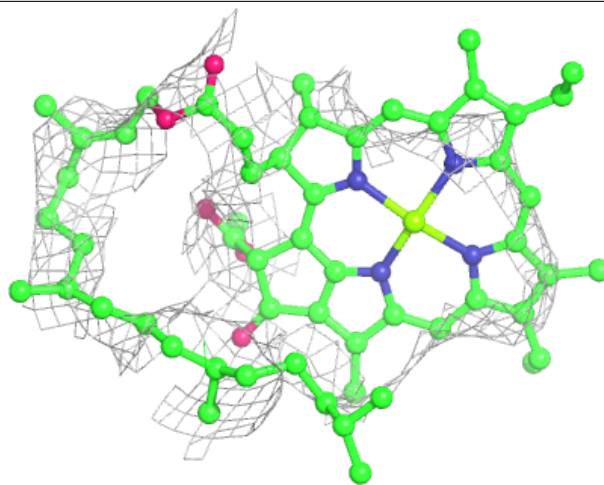
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





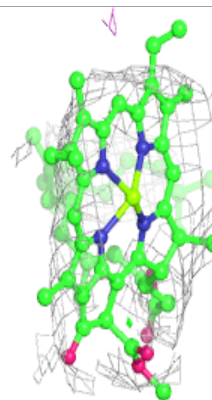
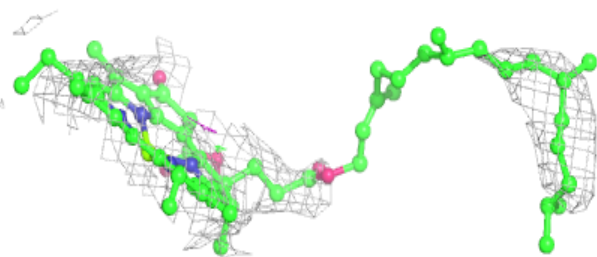
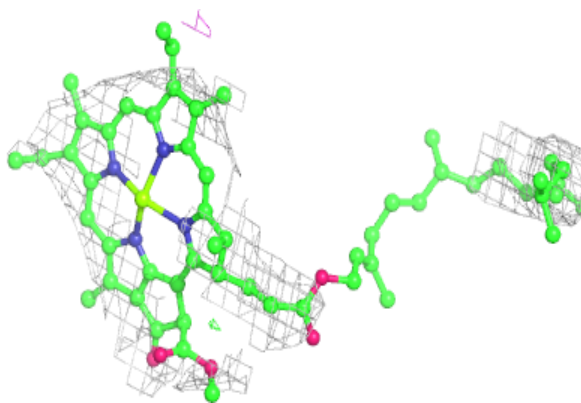
**Electron density around CLA B2 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

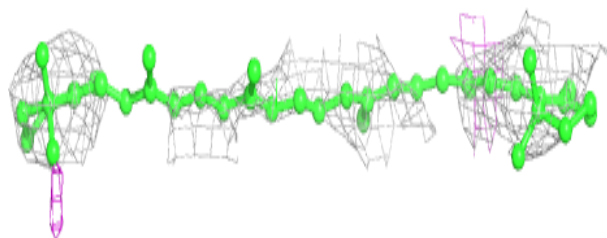
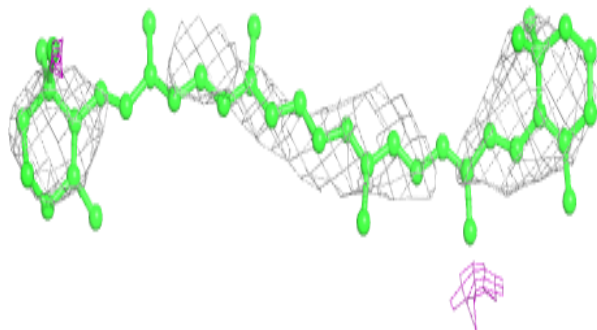


**Electron density around CLA B5 1811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

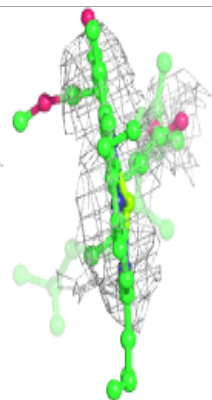
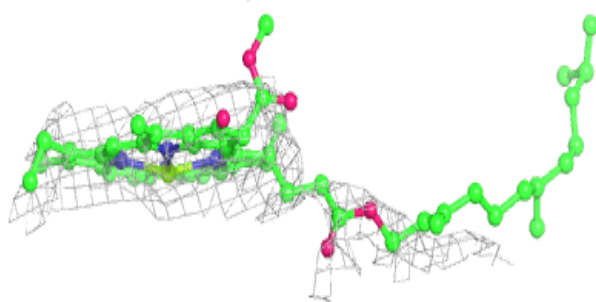
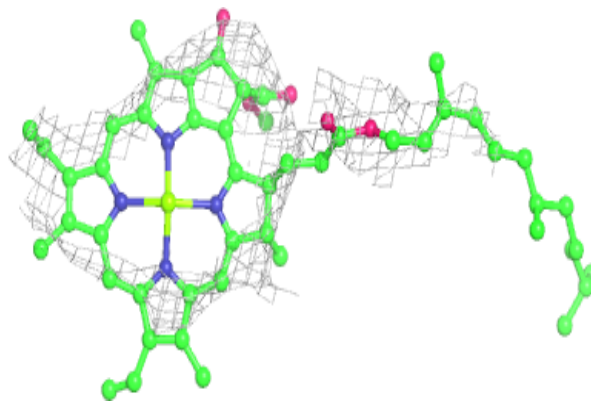
**Electron density around BCR L6 209:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

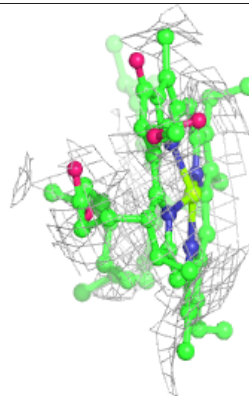
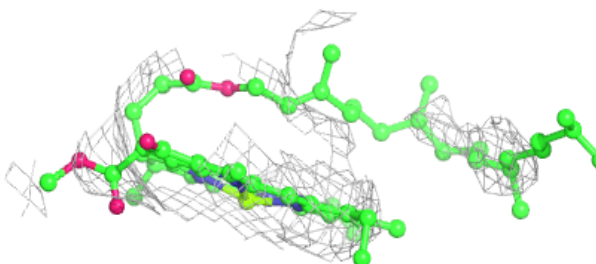
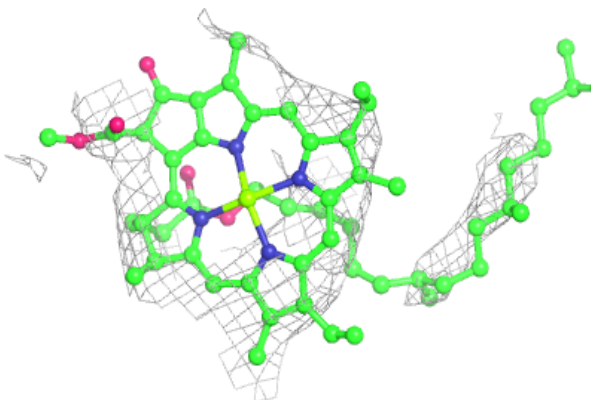


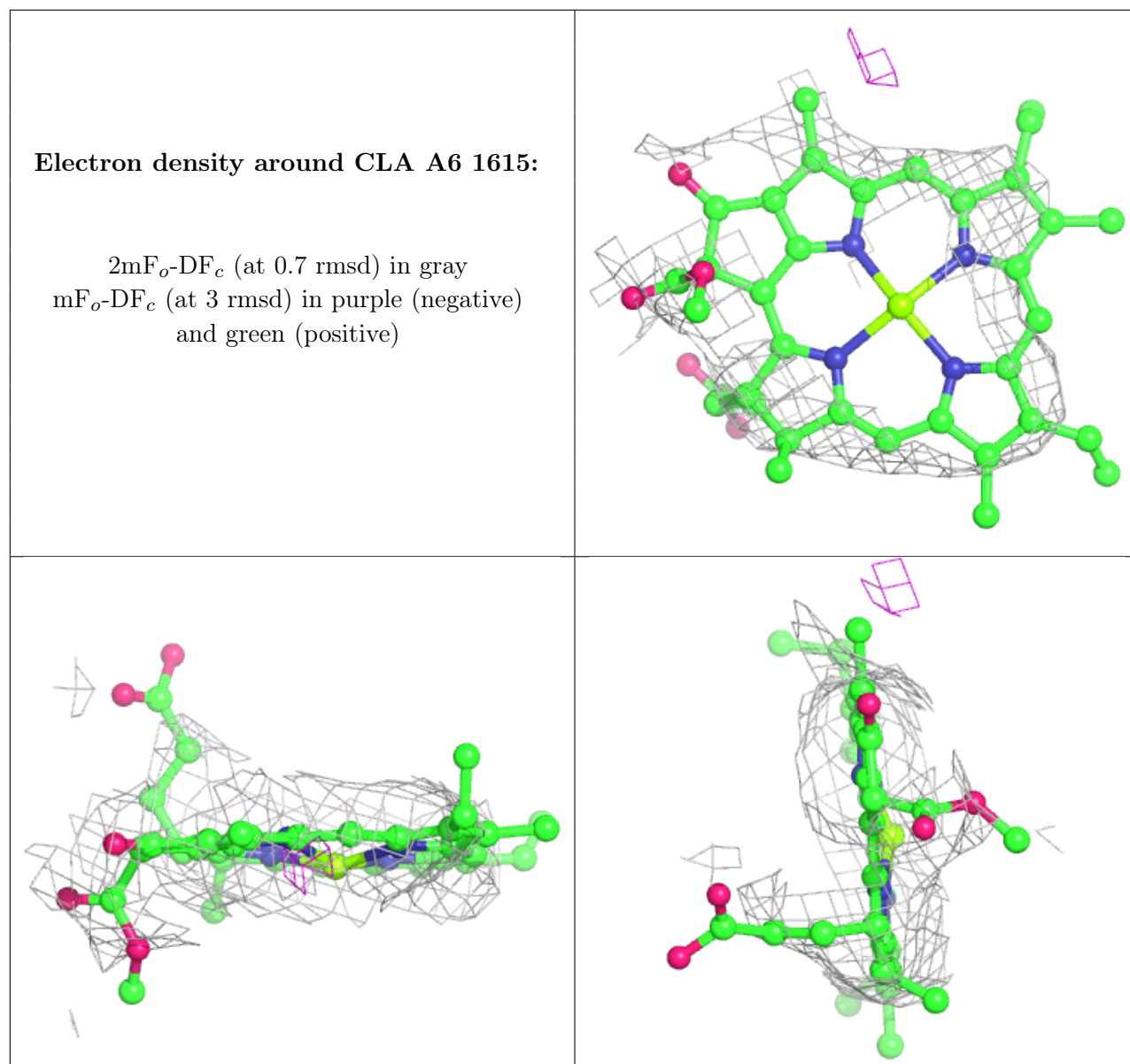
**Electron density around CLA B6 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B6 838:**

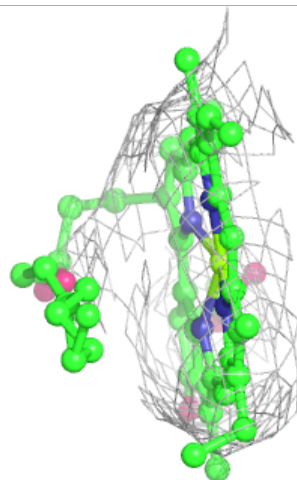
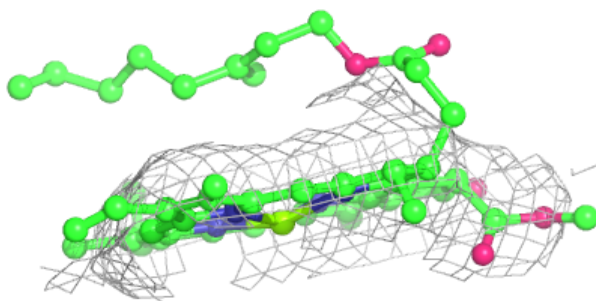
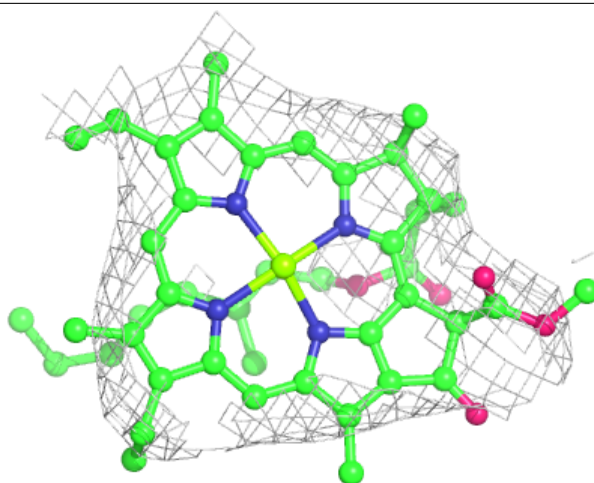
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

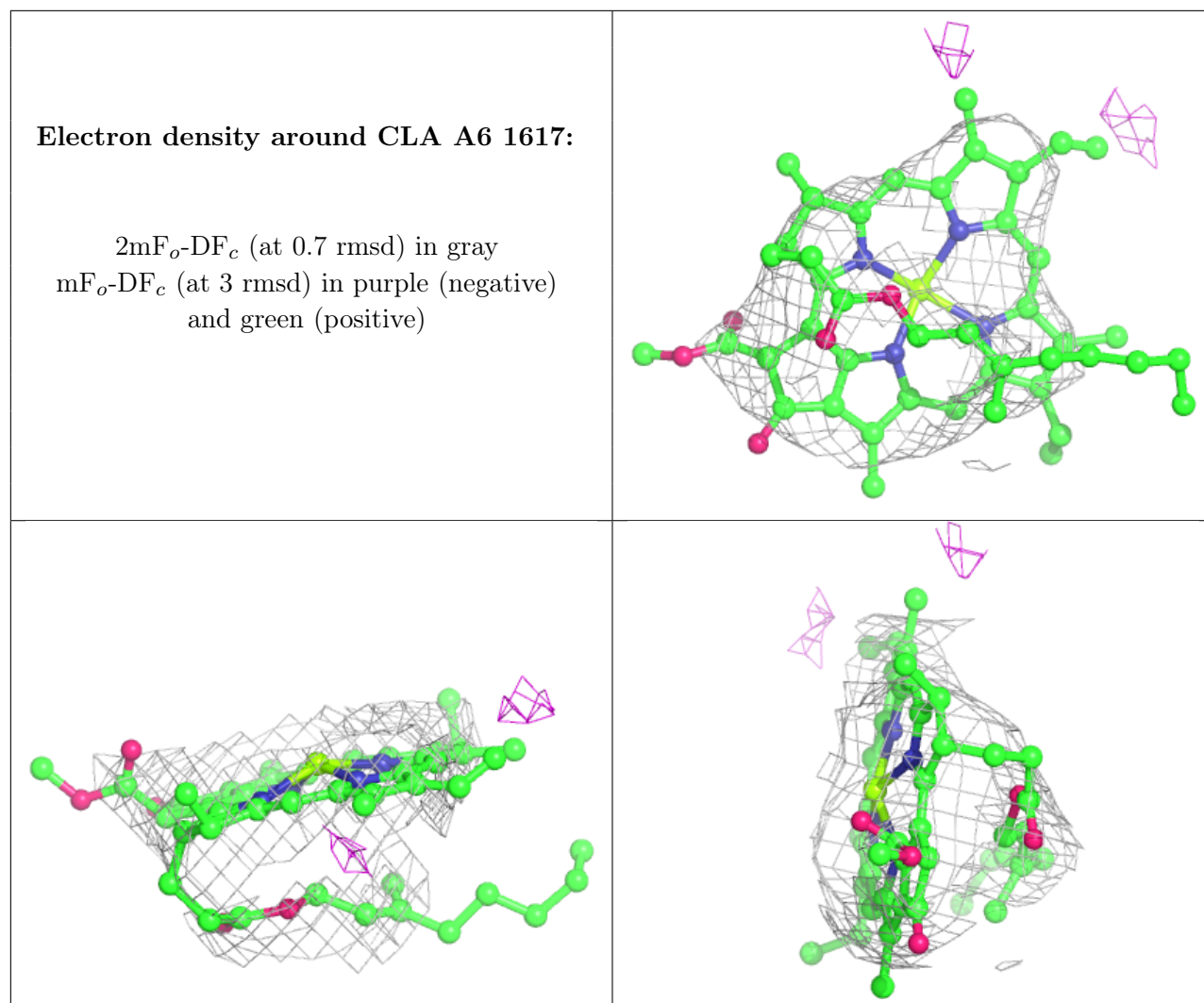




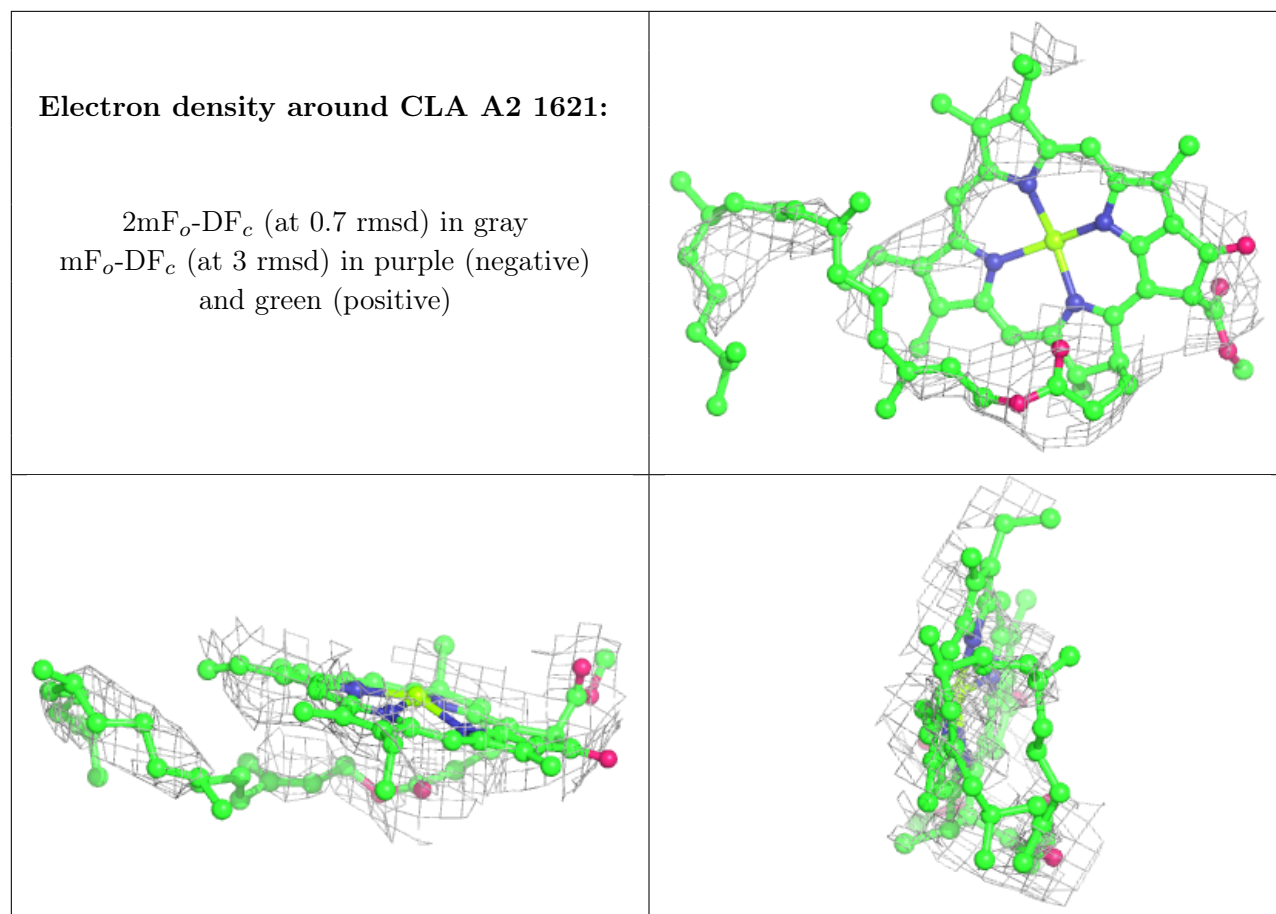
**Electron density around CLA A3 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



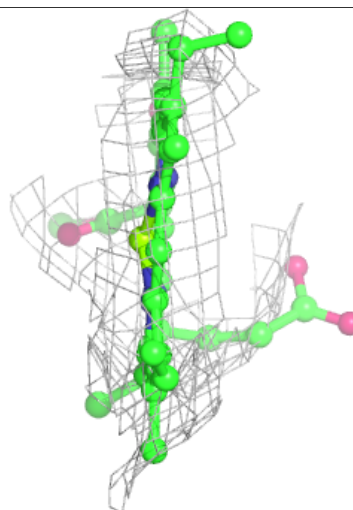
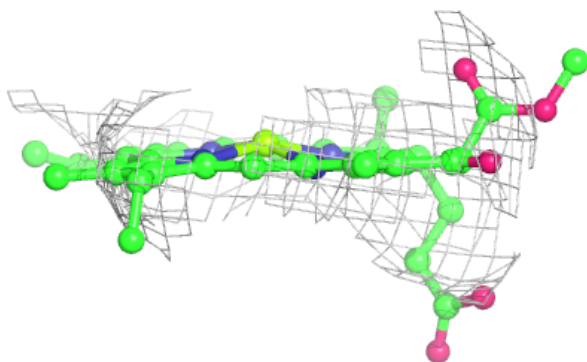
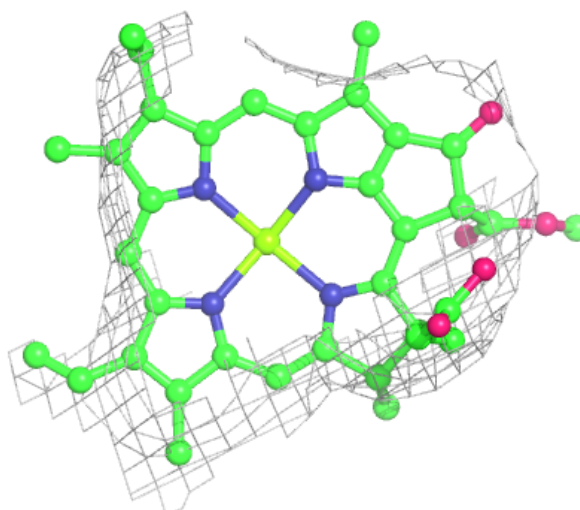






**Electron density around CLA B3 1814:**

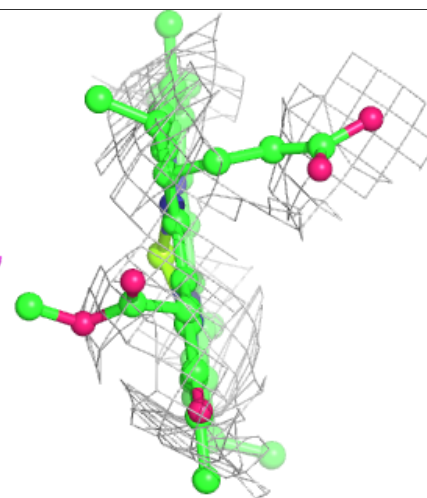
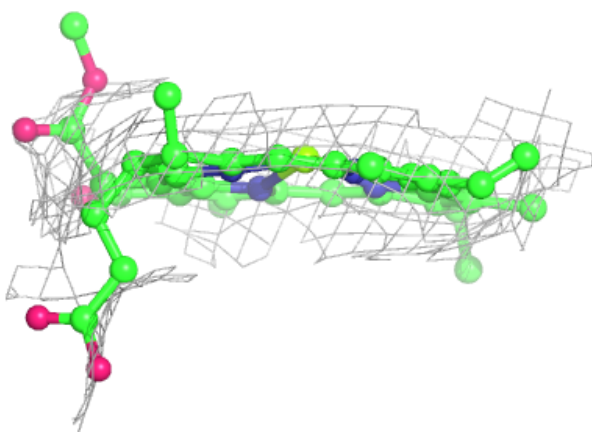
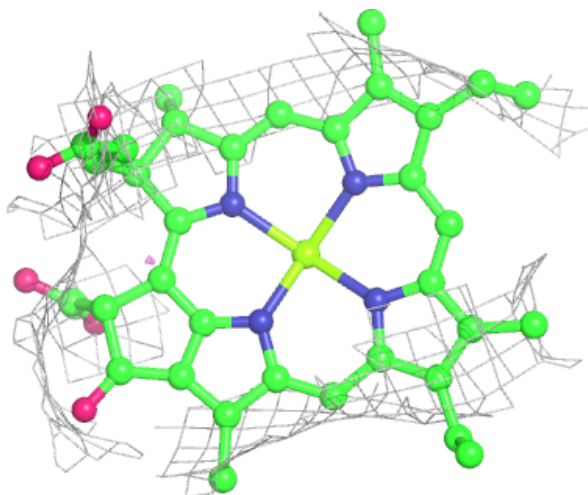
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





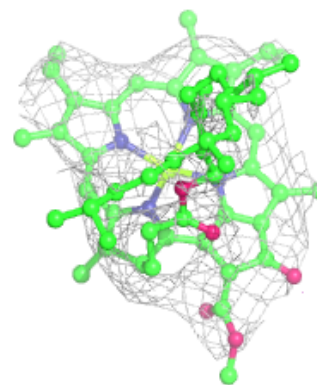
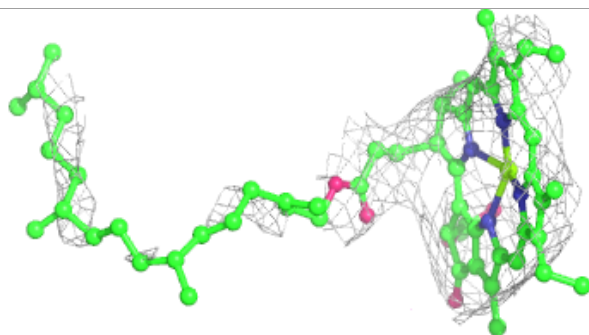
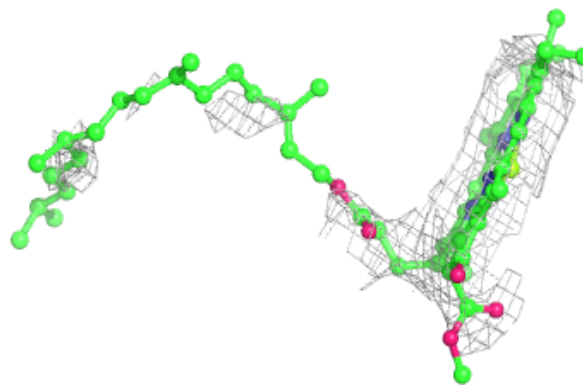
**Electron density around CLA A3 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

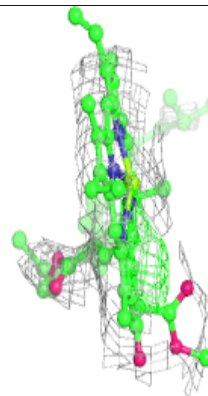
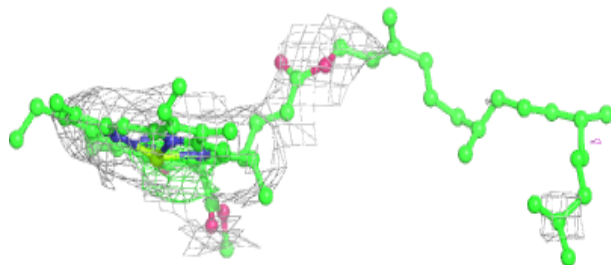
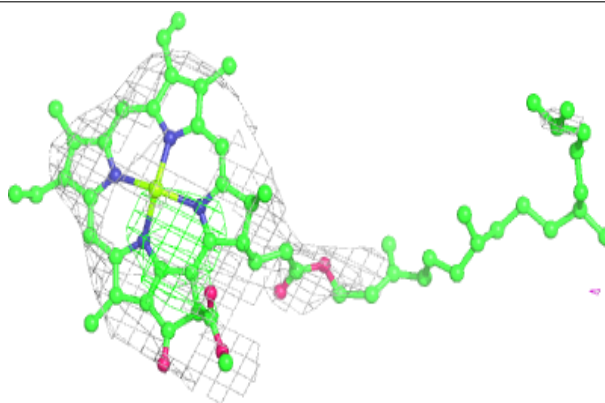


**Electron density around CLA B3 1842:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)

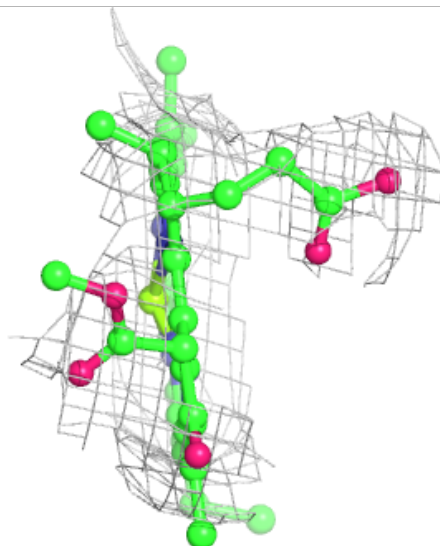
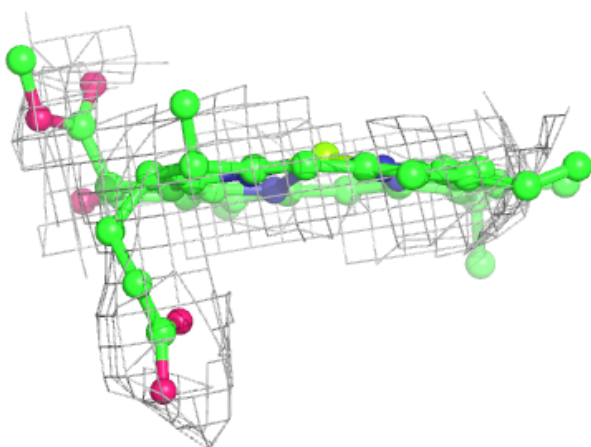
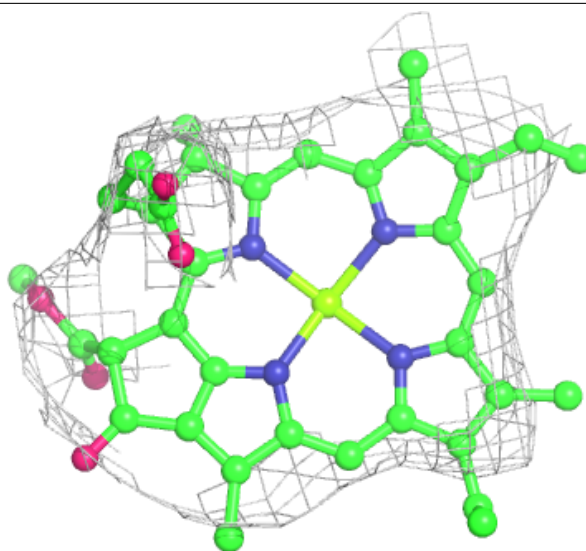
**Electron density around CLA A6 1626:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)



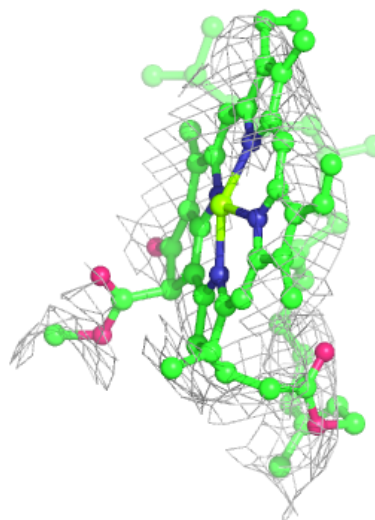
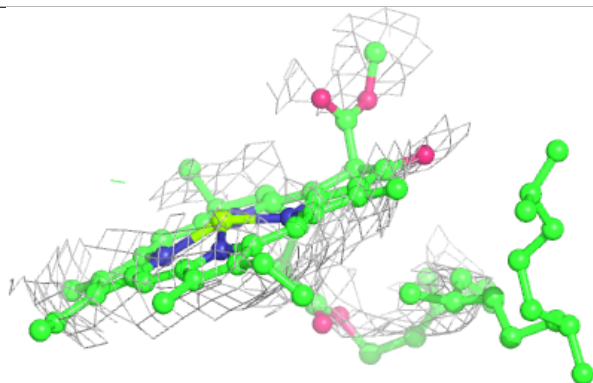
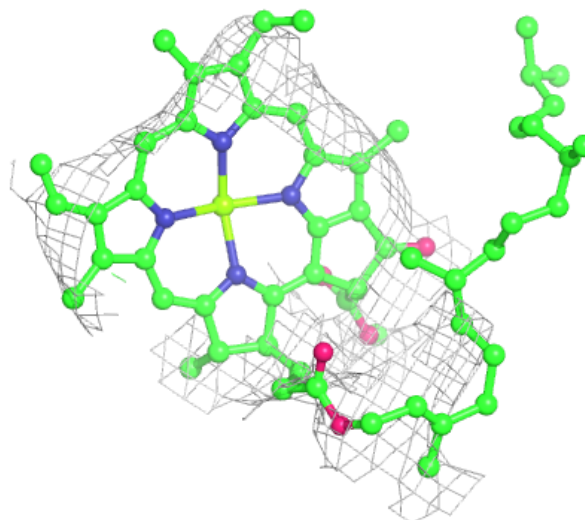
**Electron density around CLA A6 1635:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



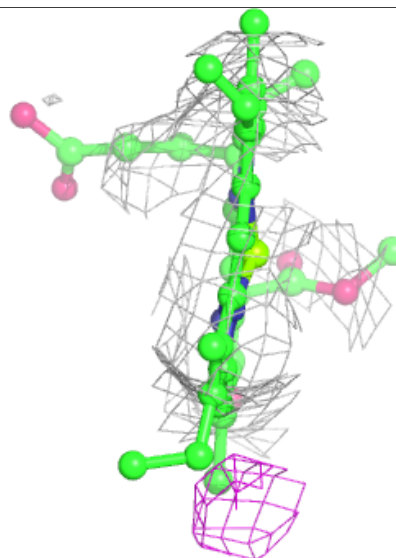
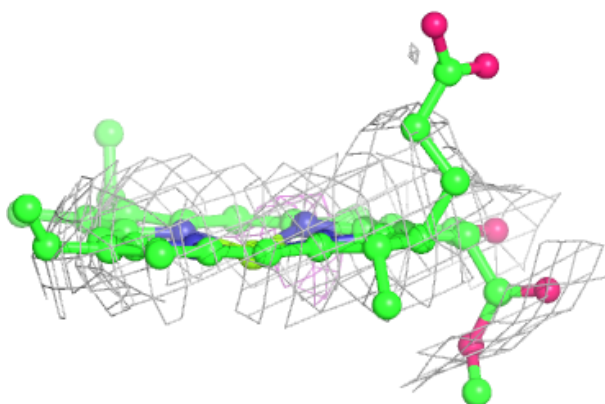
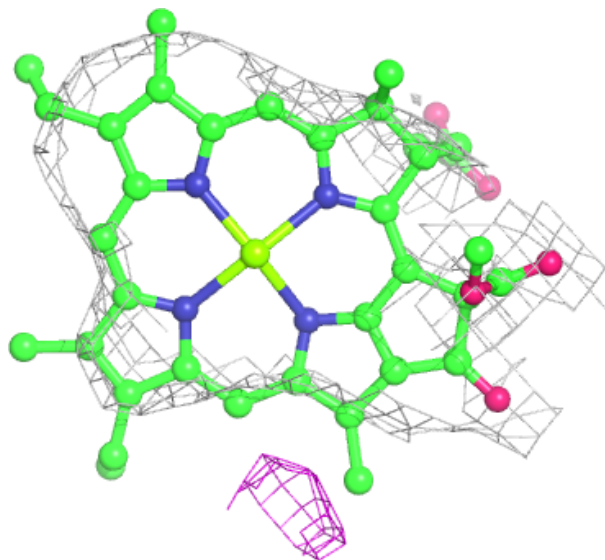
**Electron density around CLA B4 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



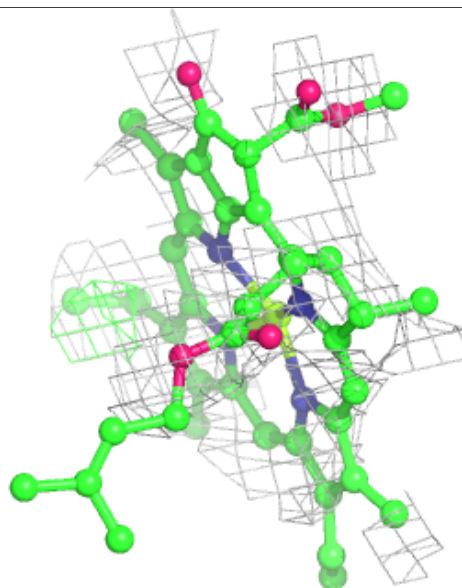
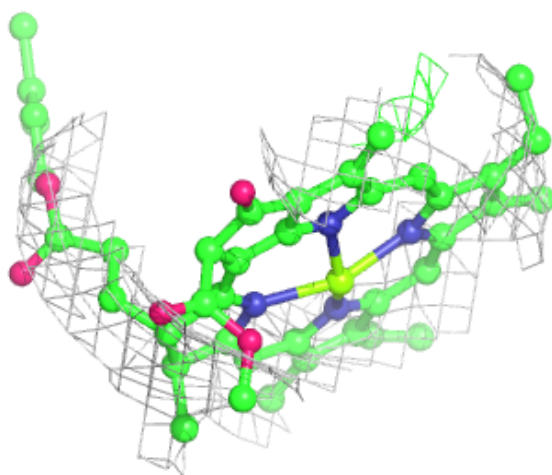
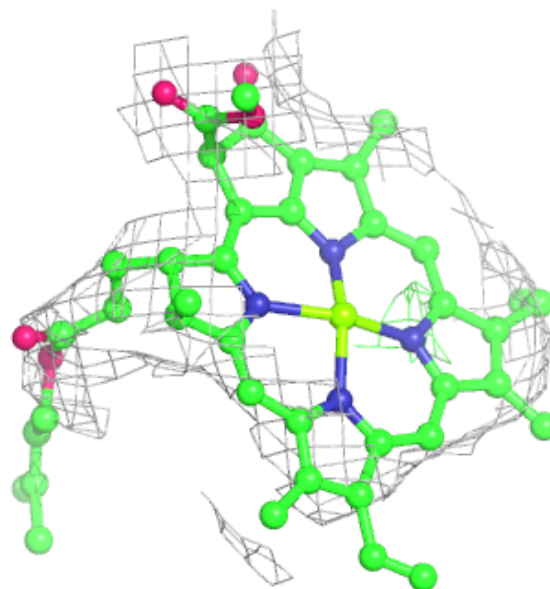
**Electron density around CLA A3 815:**

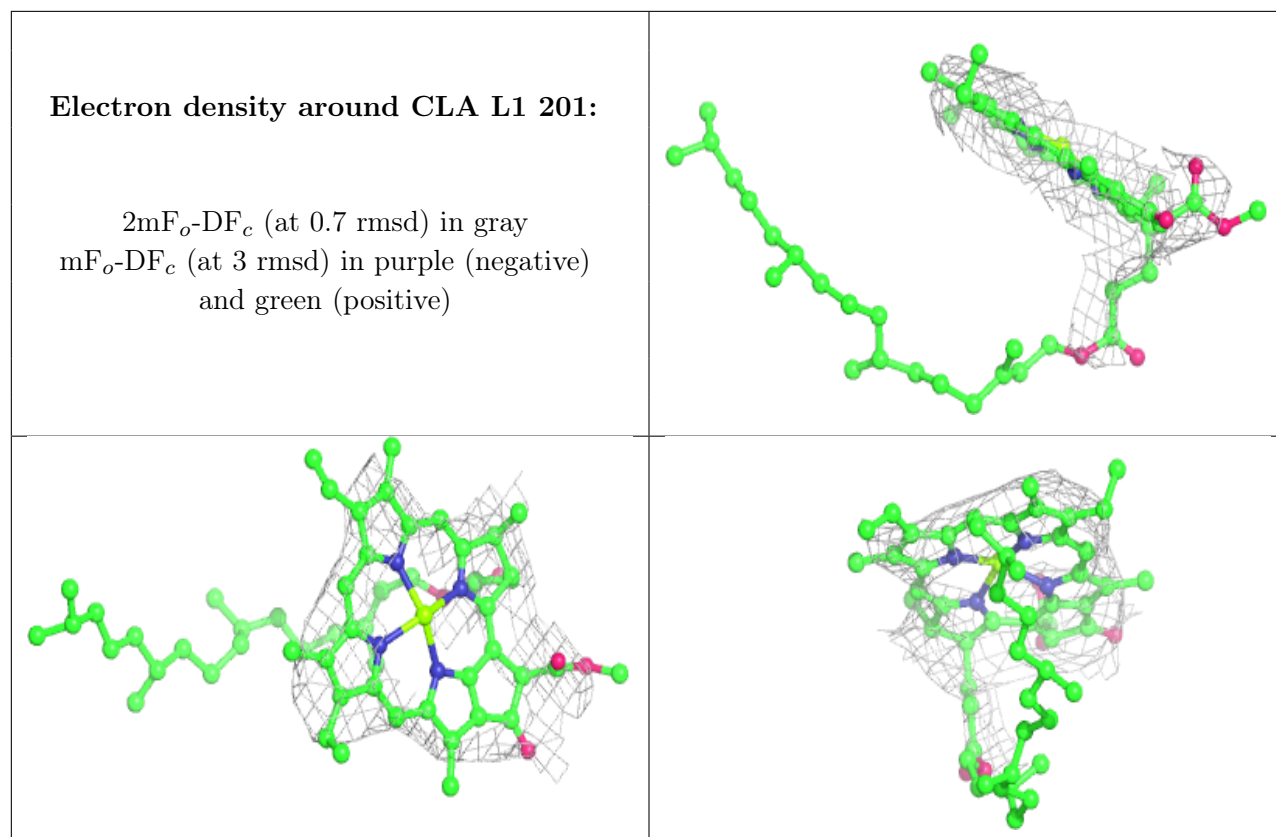
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A1 830:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

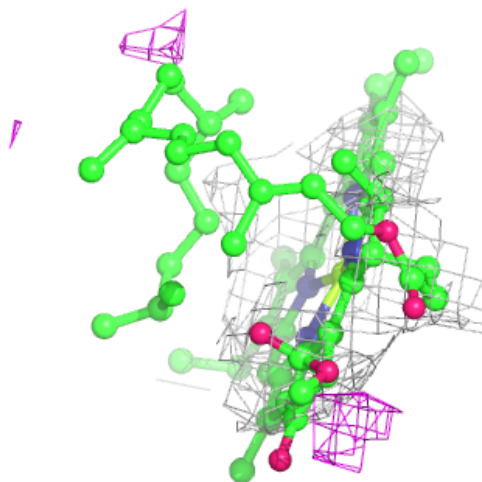
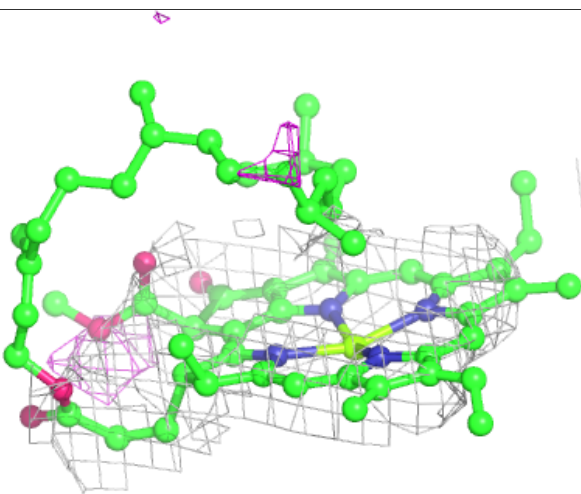
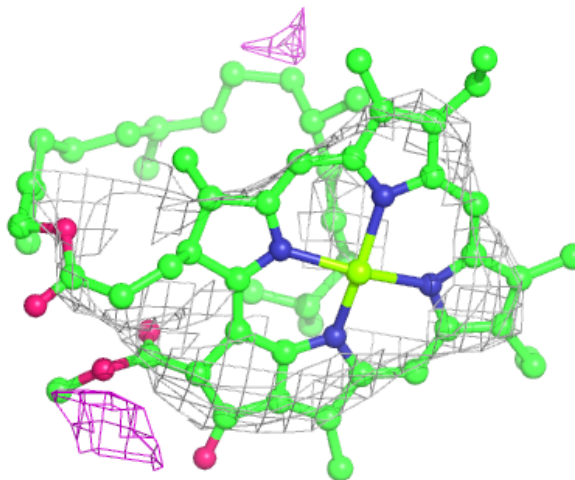






**Electron density around CLA A5 806:**

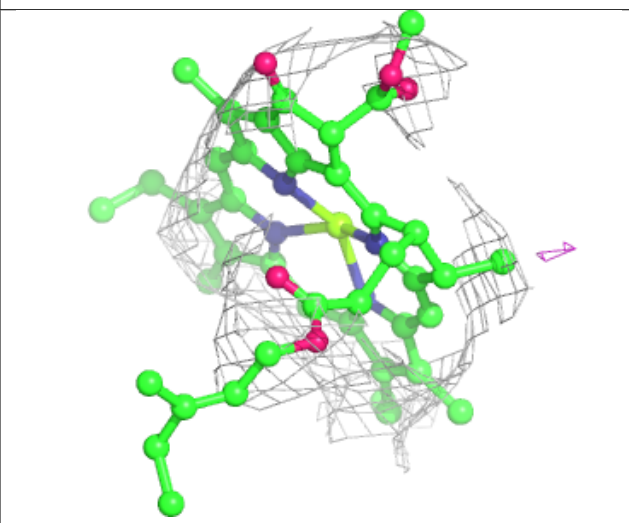
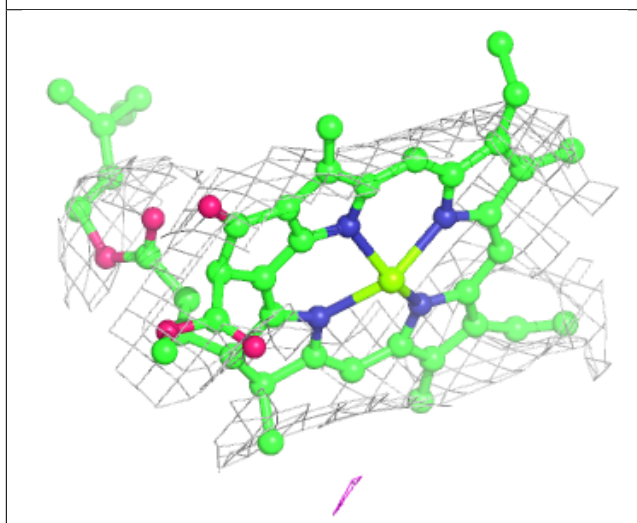
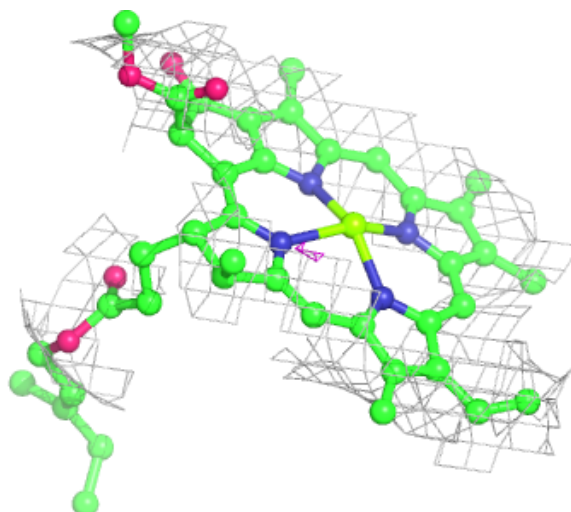
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





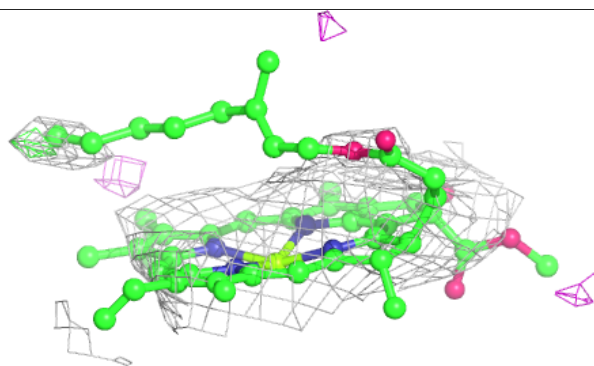
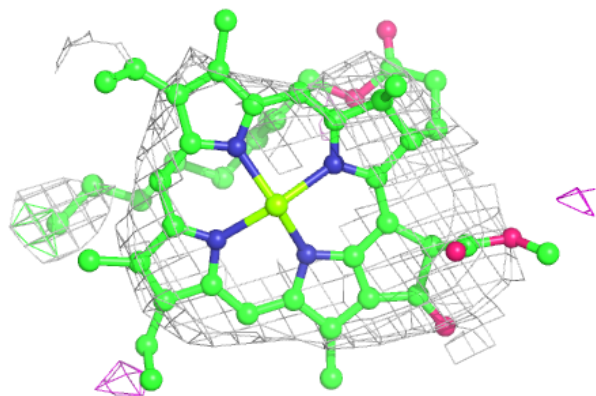
**Electron density around CLA A5 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

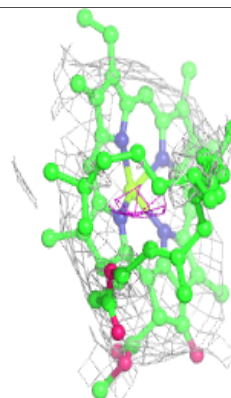
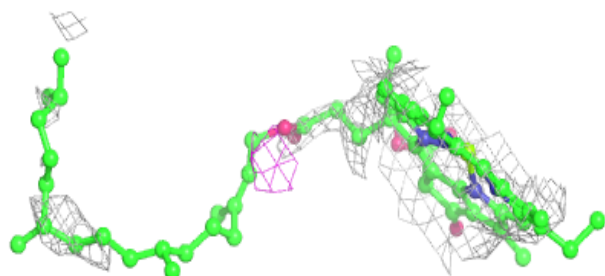
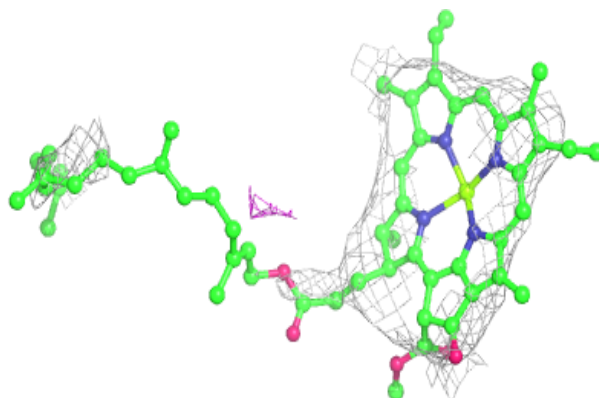


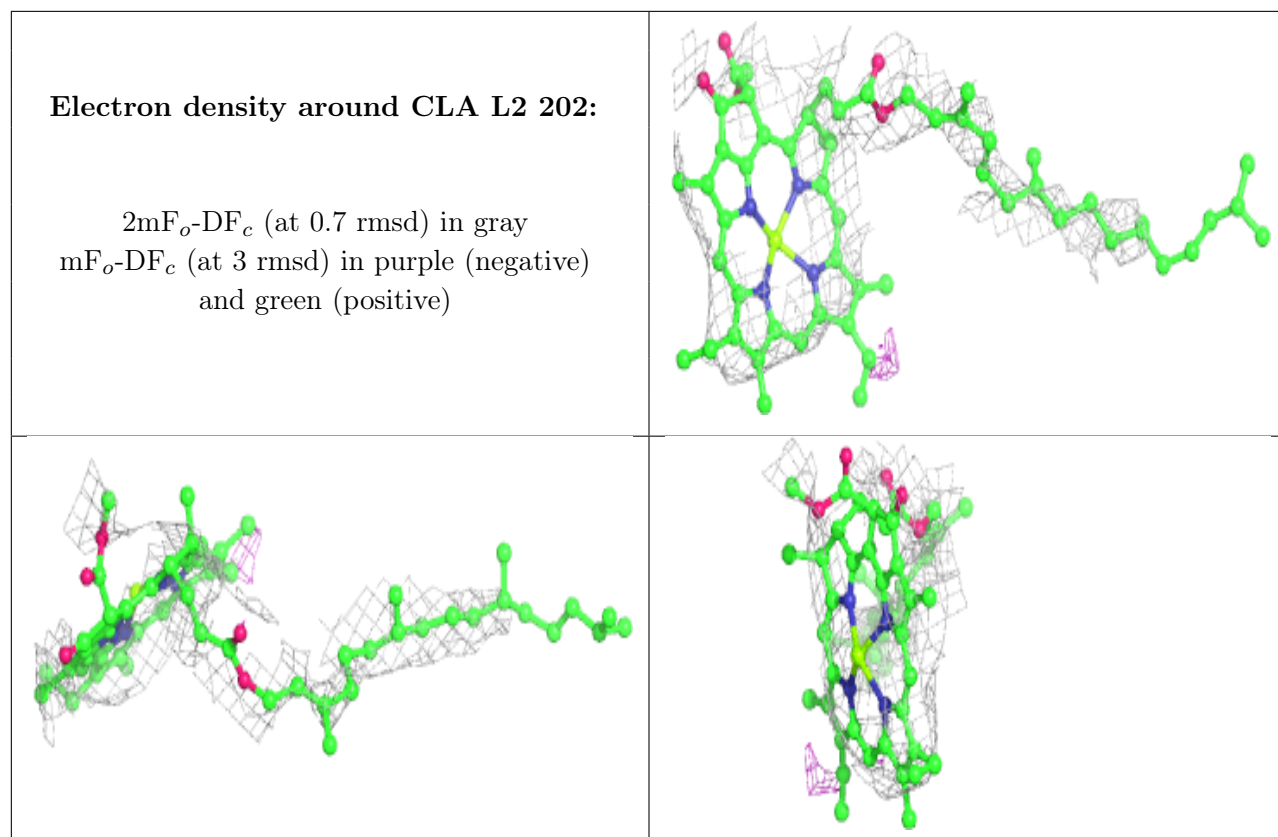
**Electron density around CLA A3 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B6 809:**

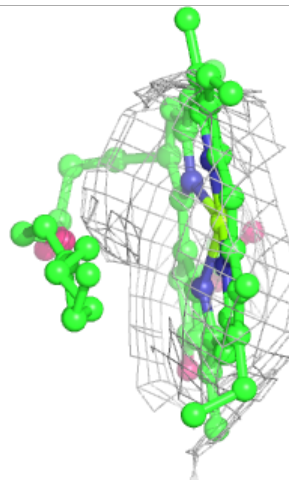
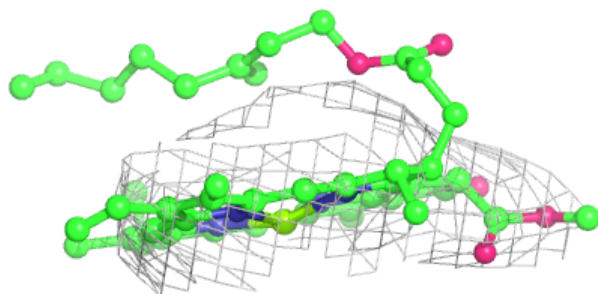
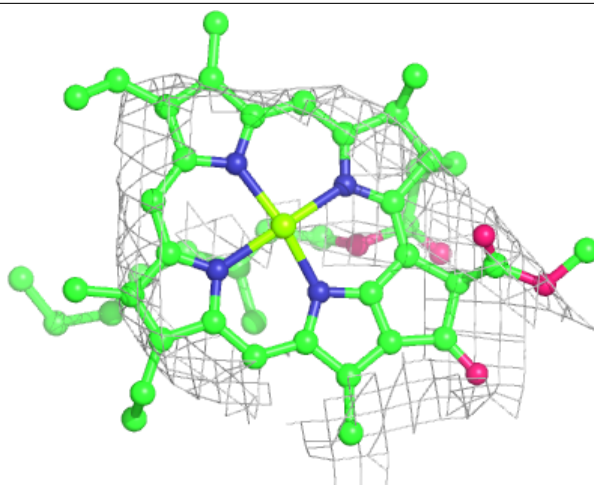
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





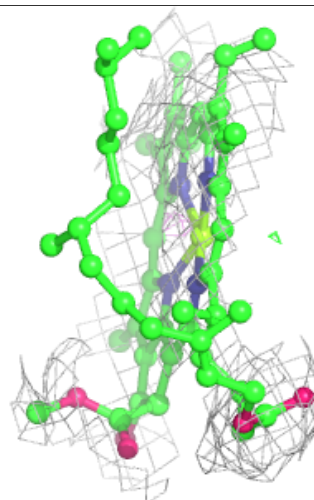
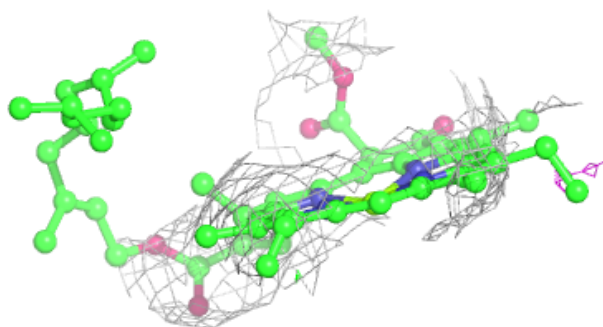
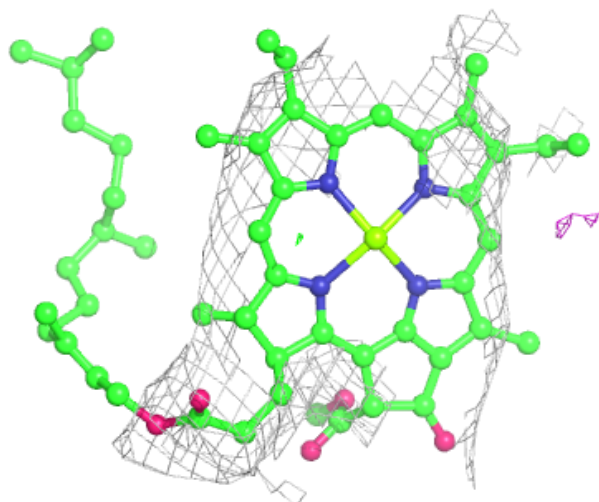
**Electron density around CLA A5 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



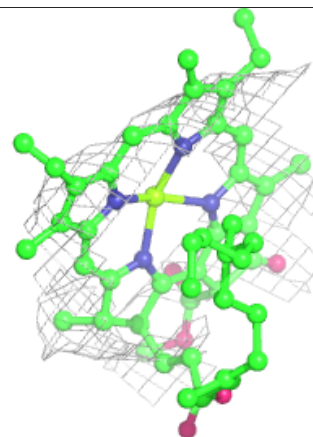
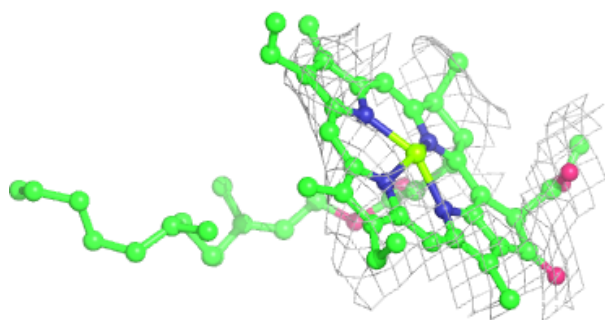
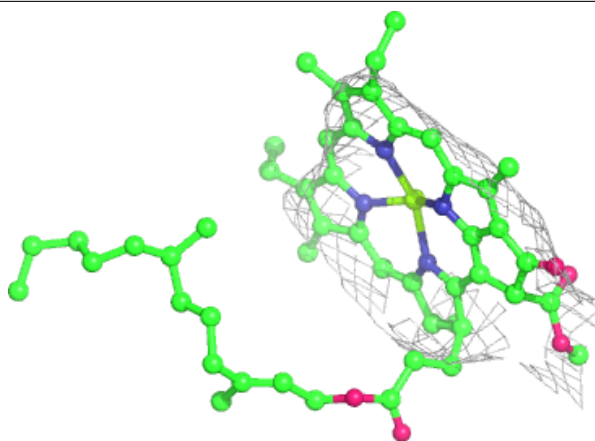
**Electron density around CLA A5 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

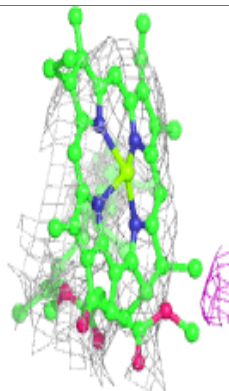
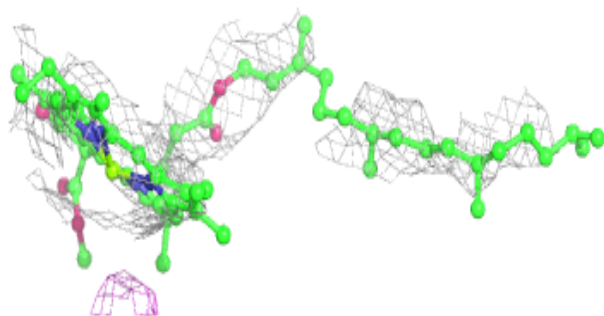
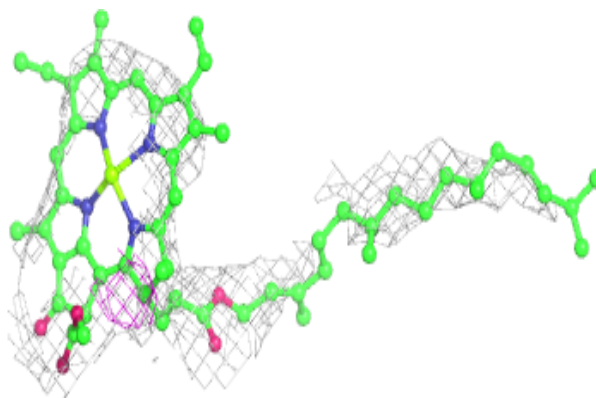


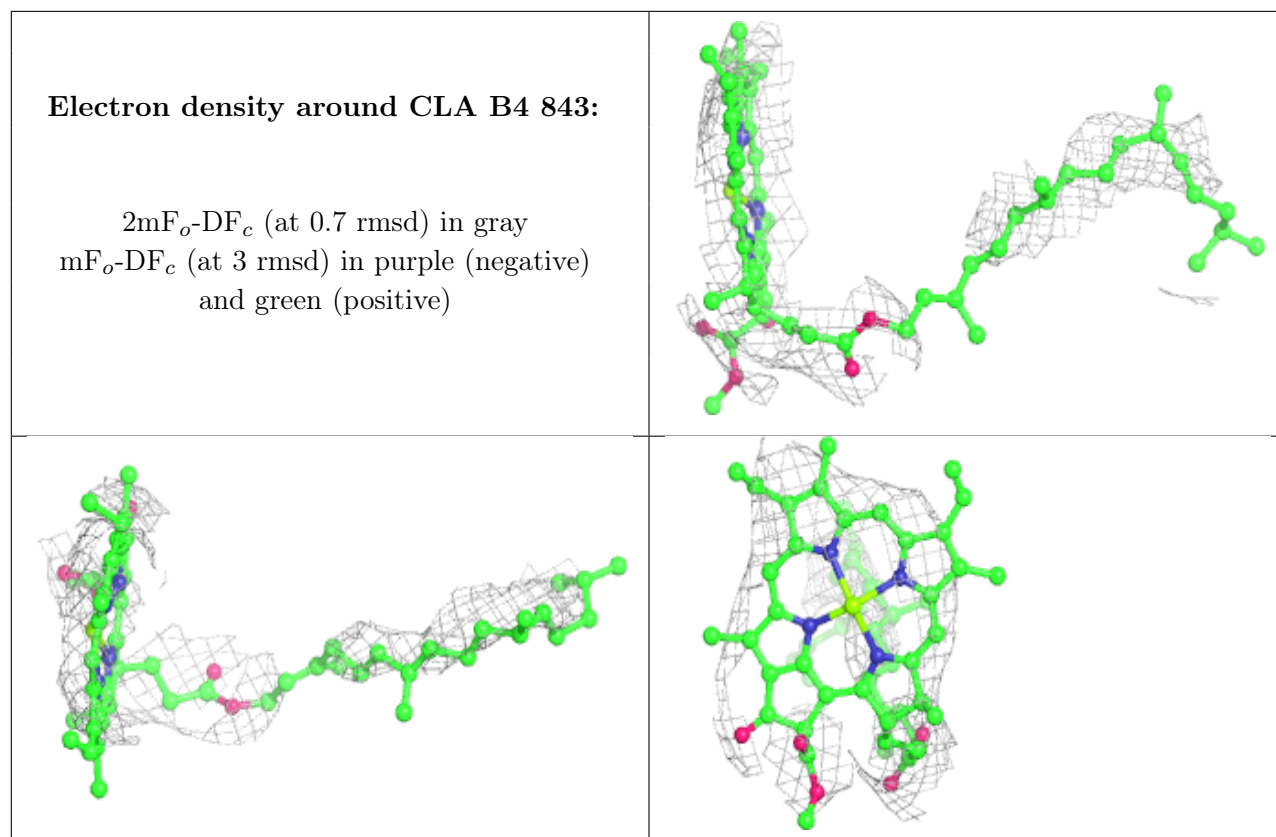
**Electron density around CLA A4 823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA L1 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

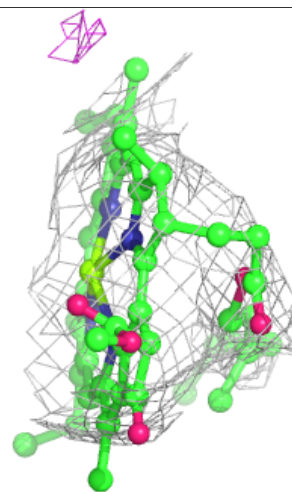
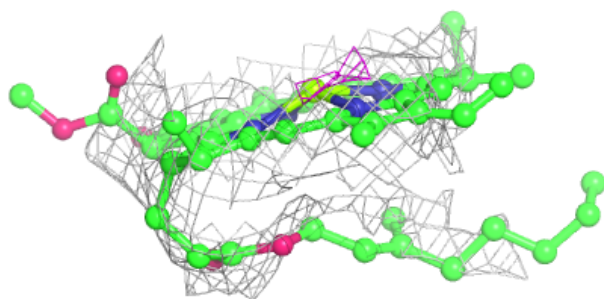
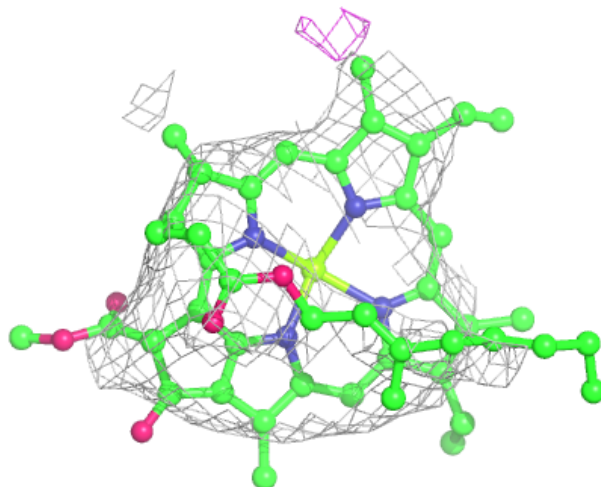






**Electron density around CLA A5 817:**

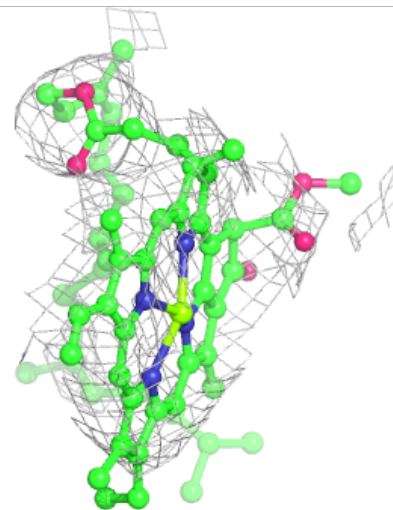
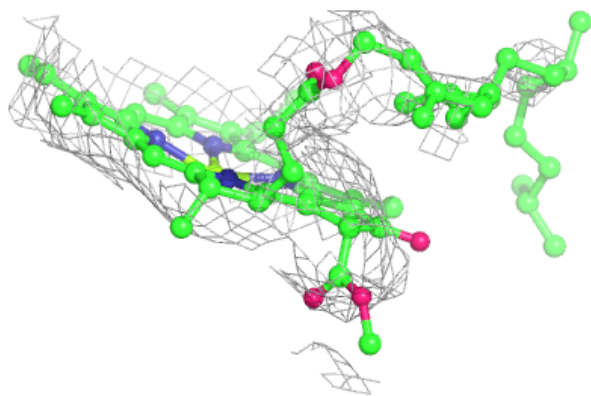
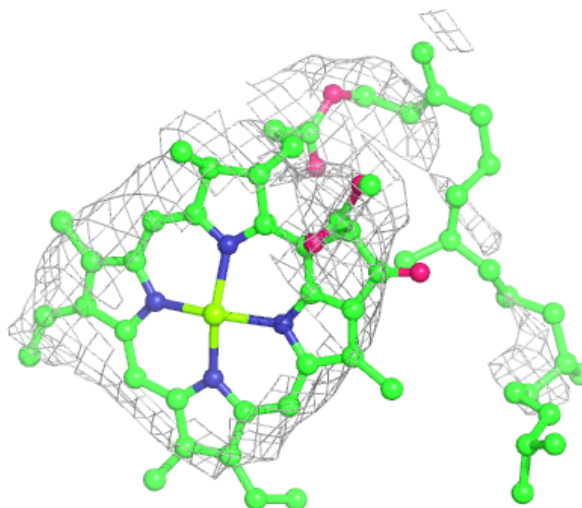
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





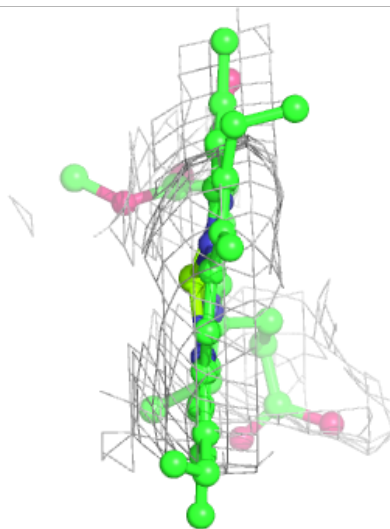
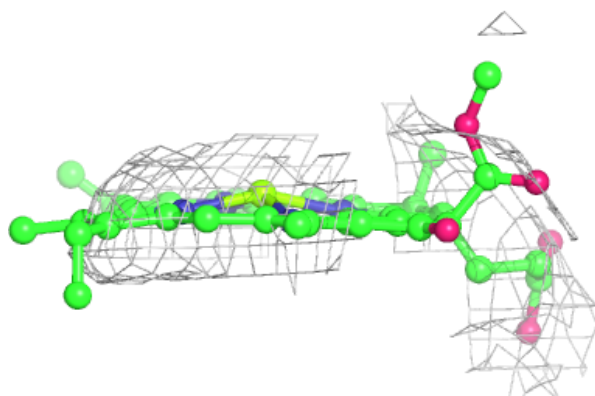
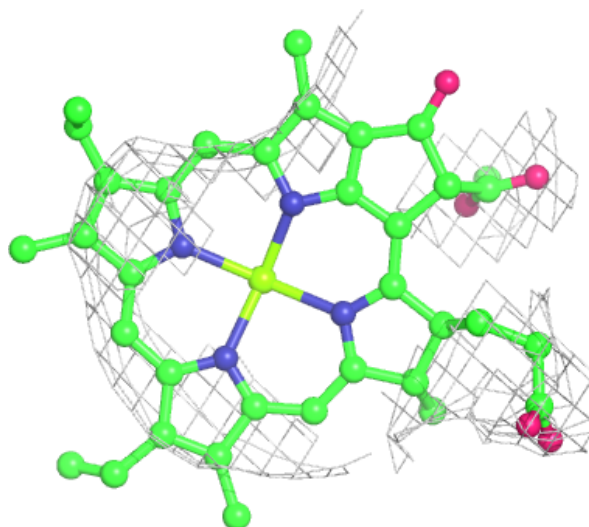
**Electron density around CLA B2 831:**

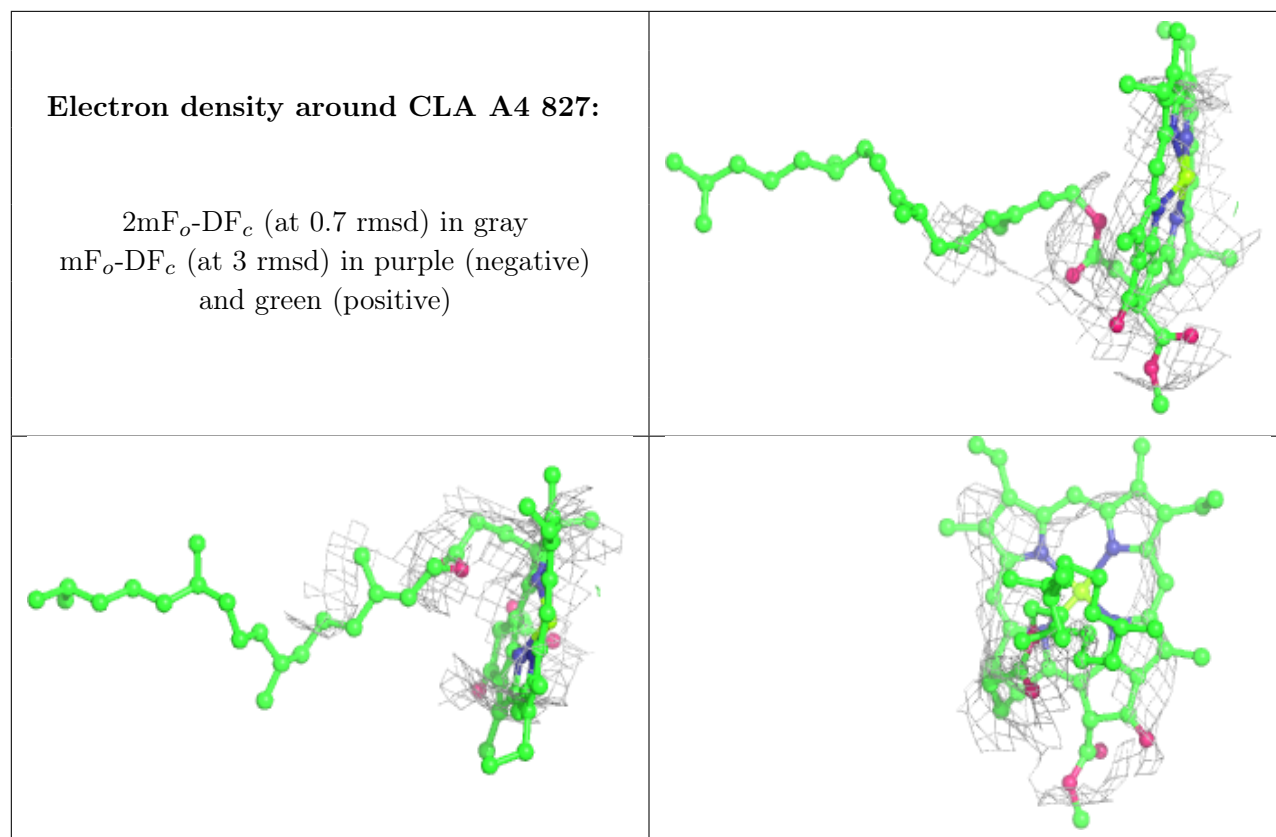
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA X2 1701:**

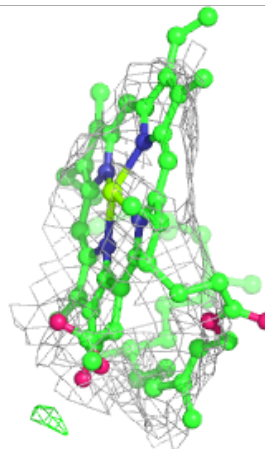
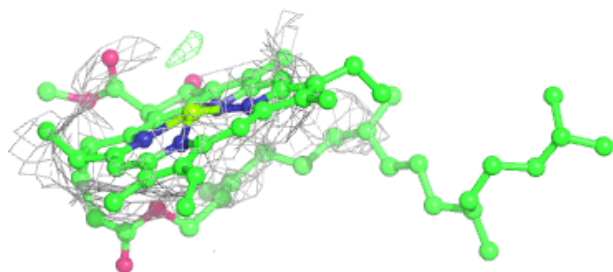
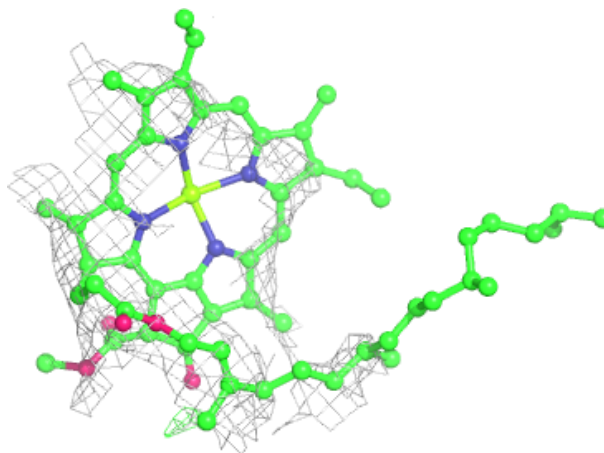
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





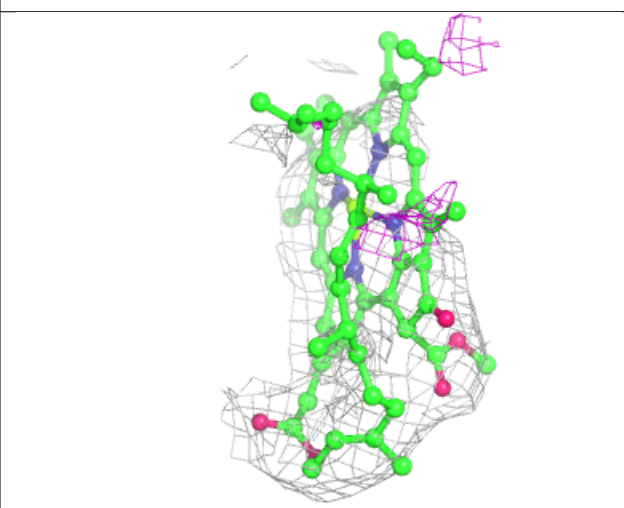
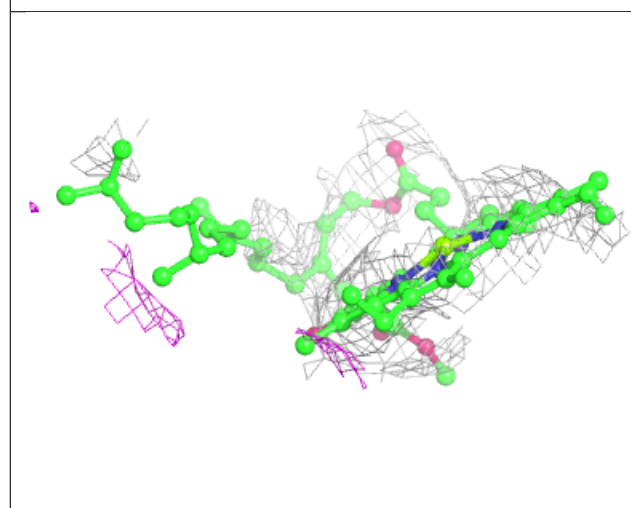
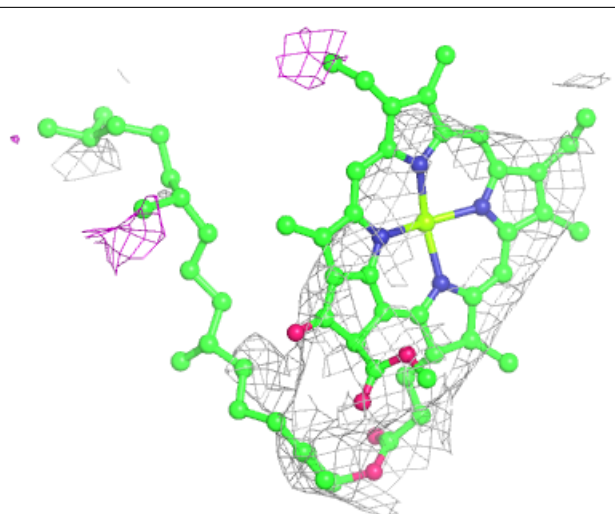
**Electron density around CLA A4 828:**

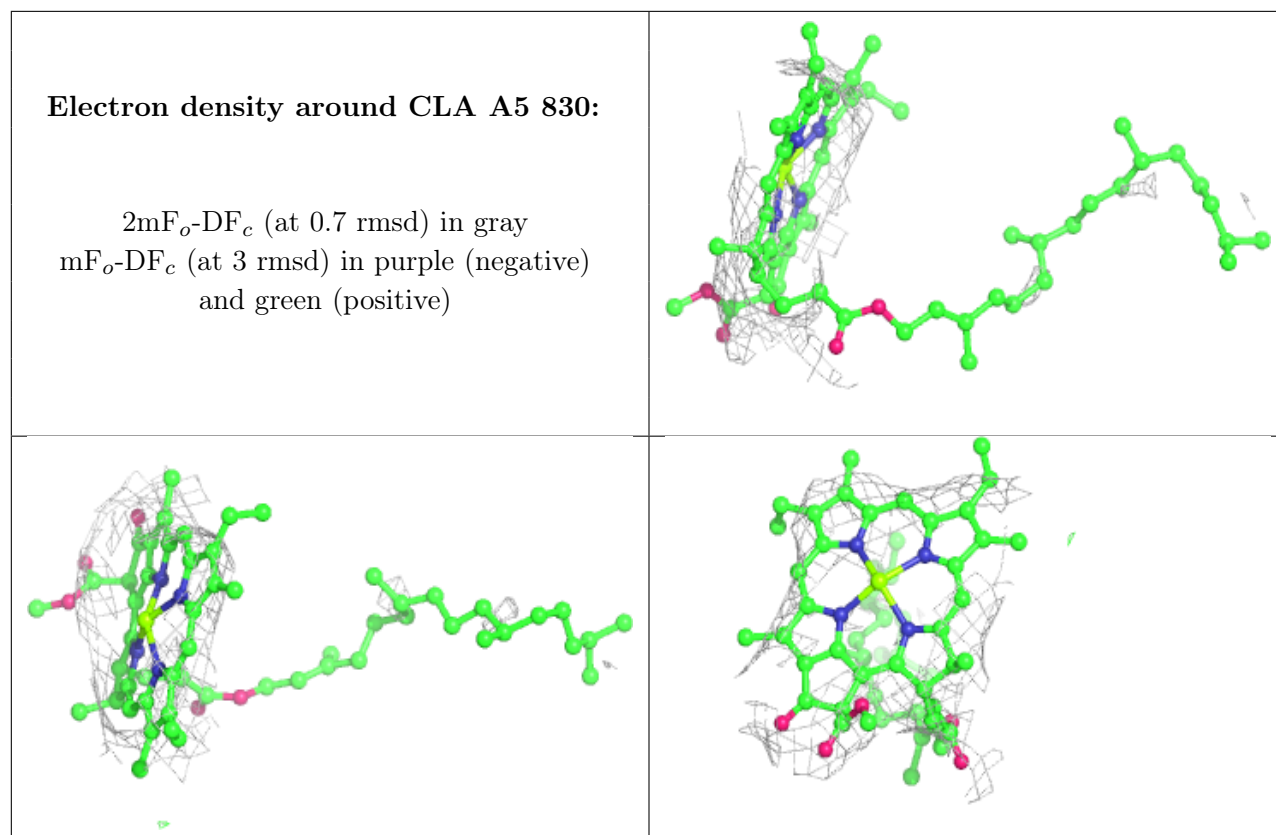
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

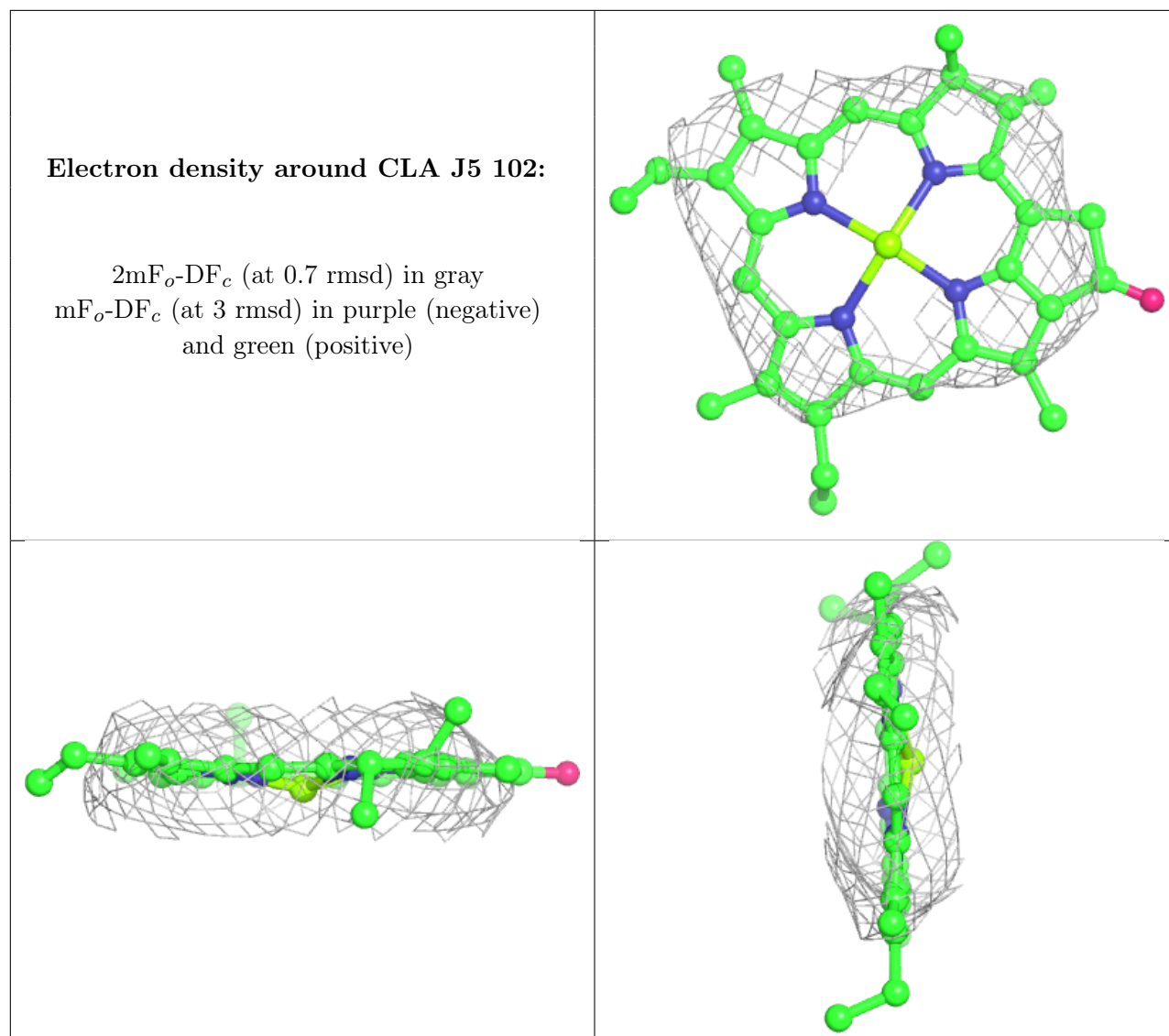


**Electron density around CLA A3 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

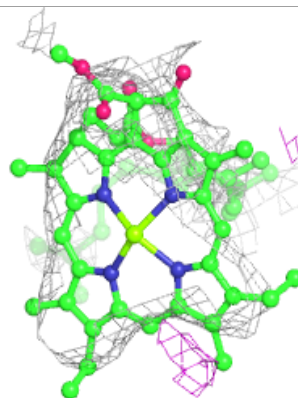
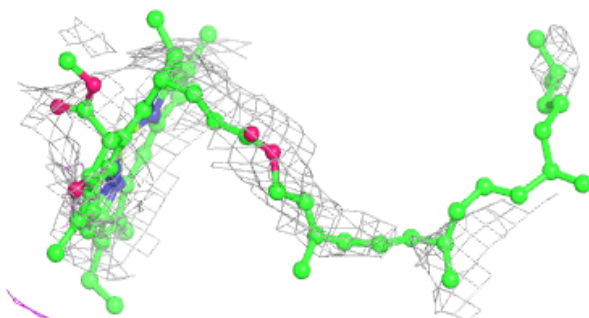
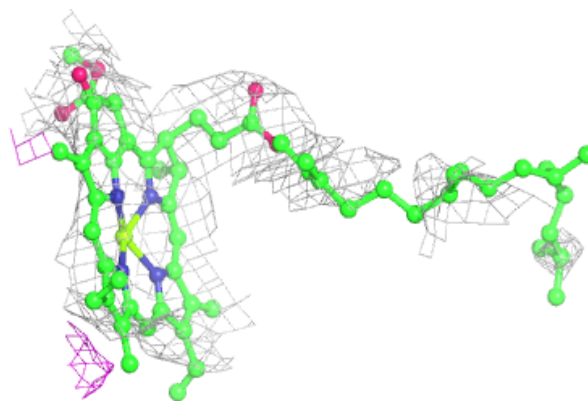




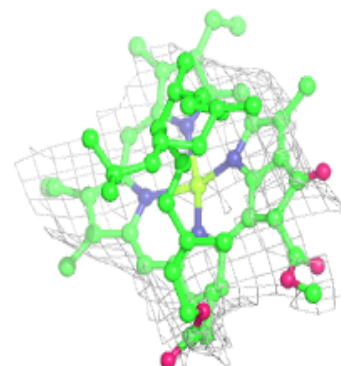
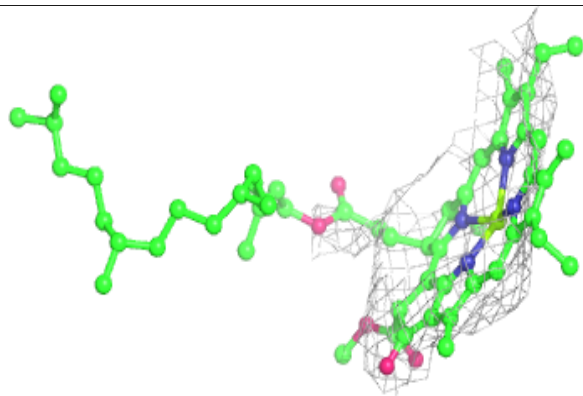
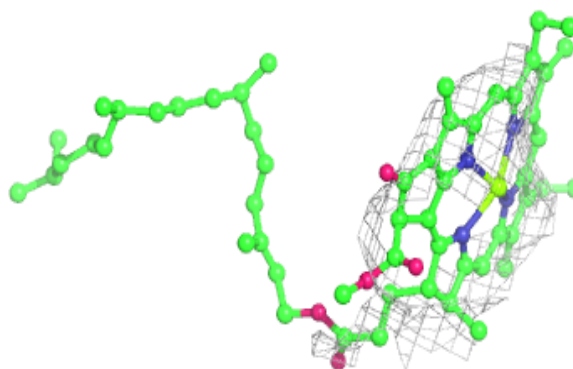


**Electron density around CLA L1 206:**

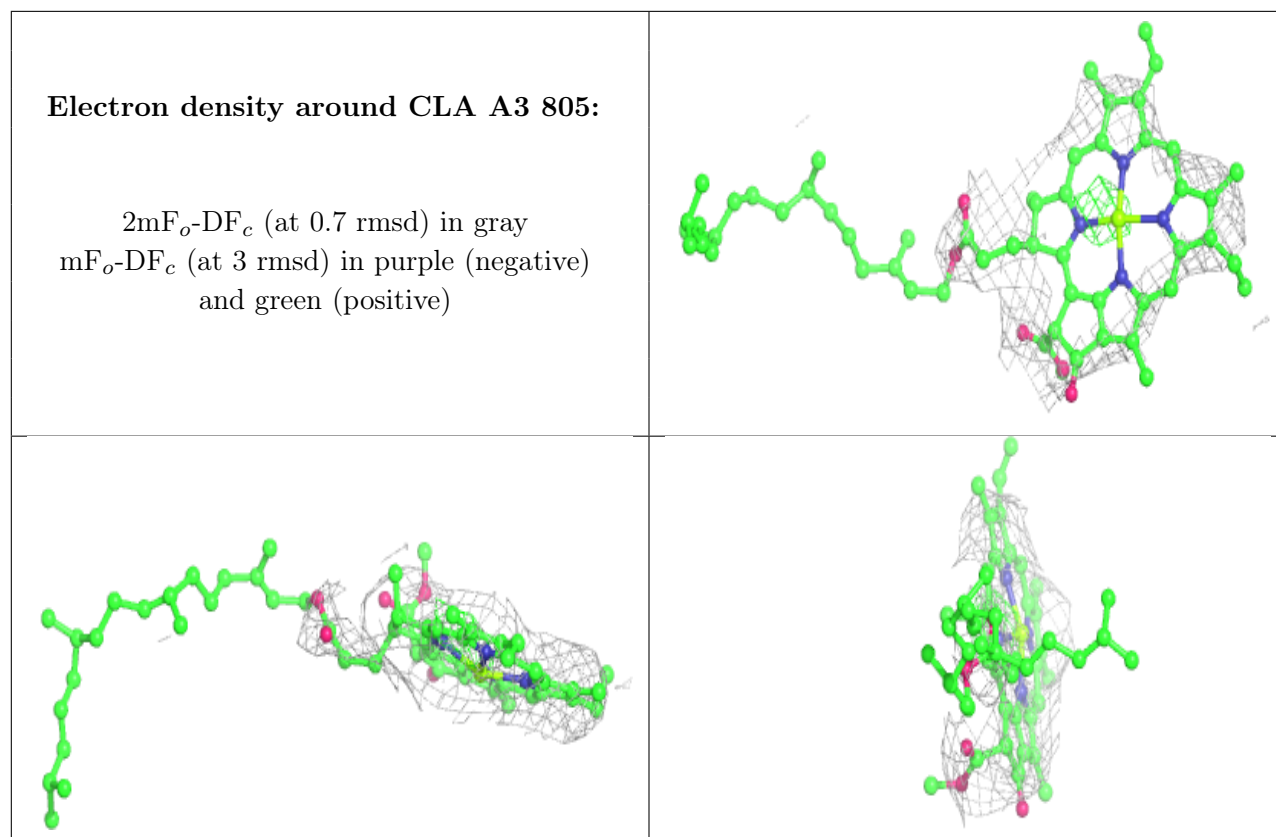
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B1 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

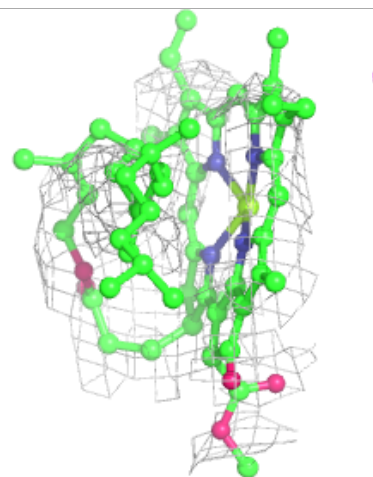
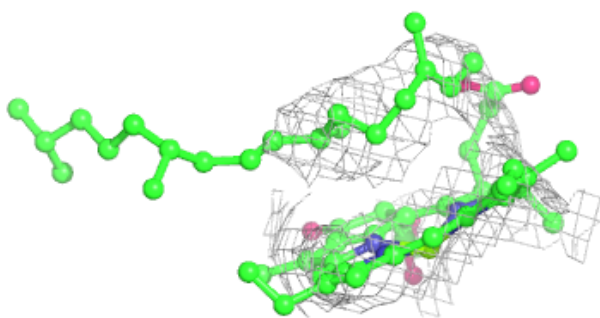
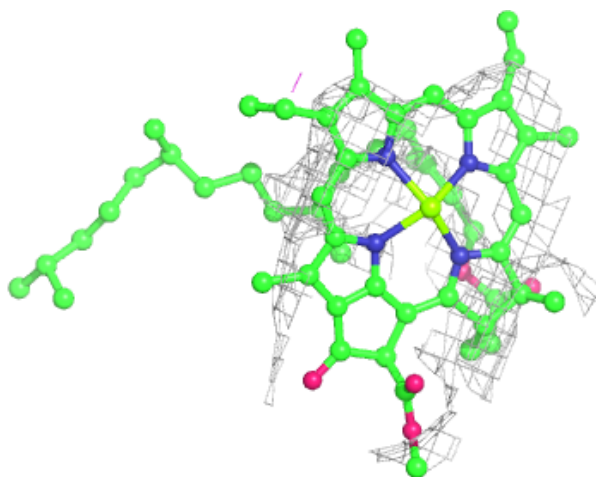






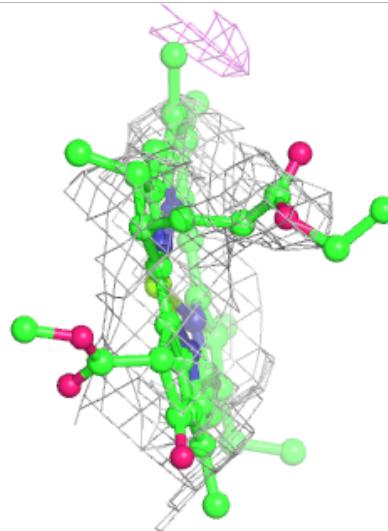
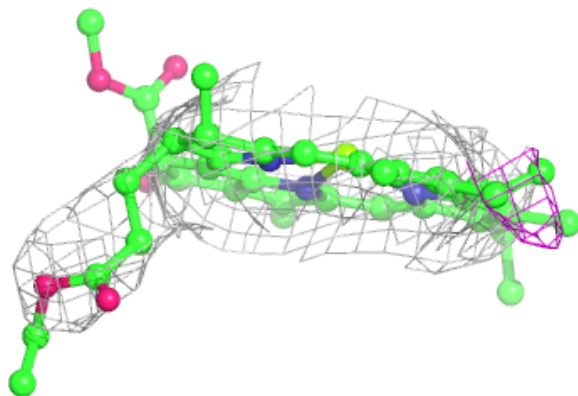
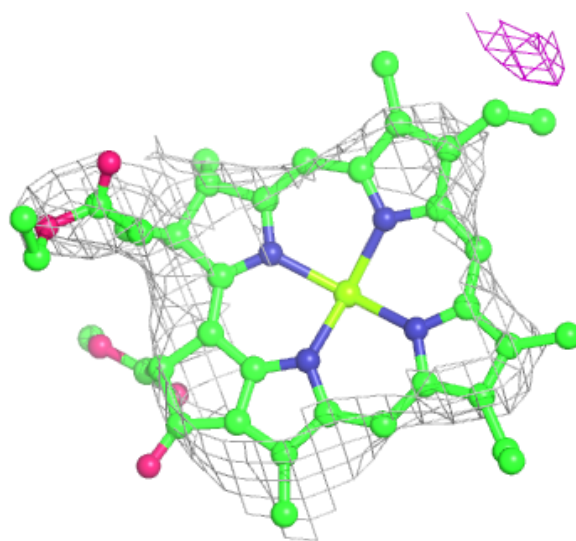
**Electron density around CLA B3 1829:**

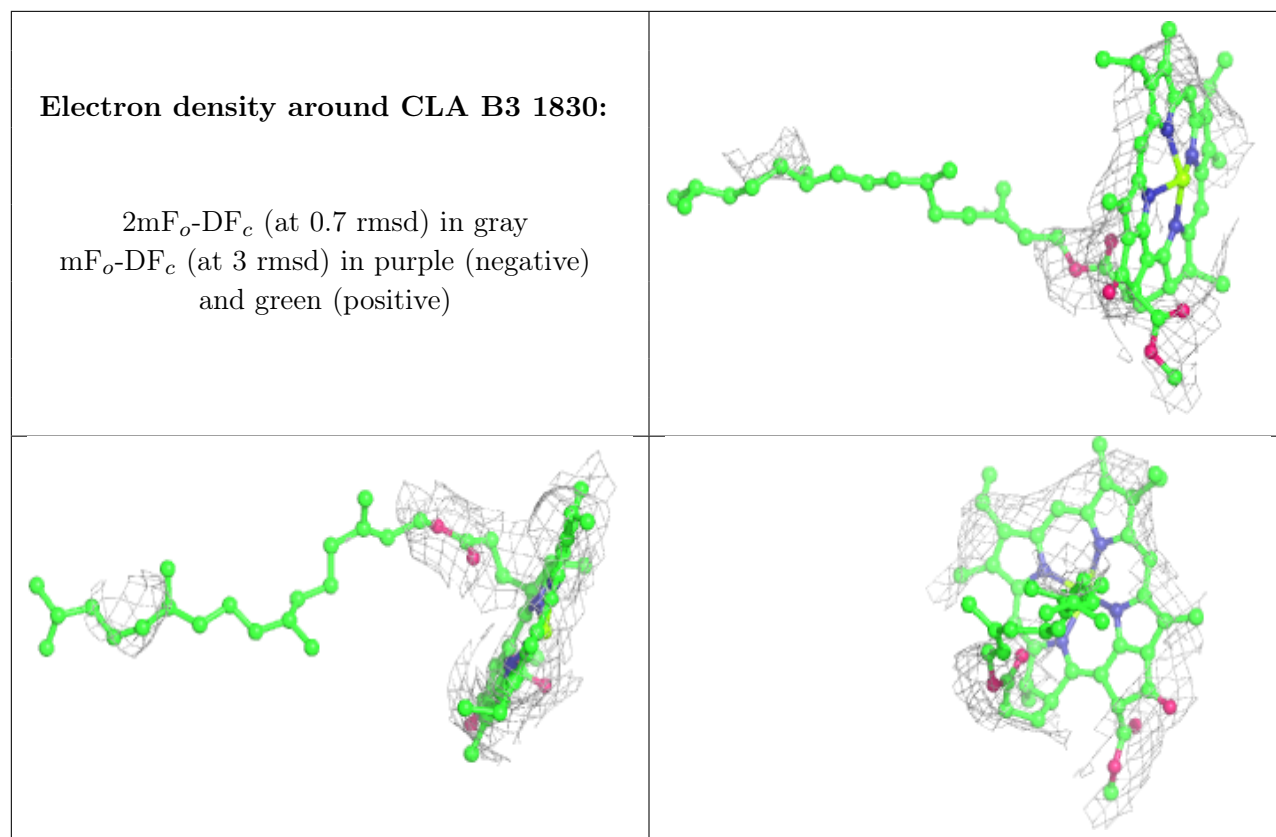
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 838:**

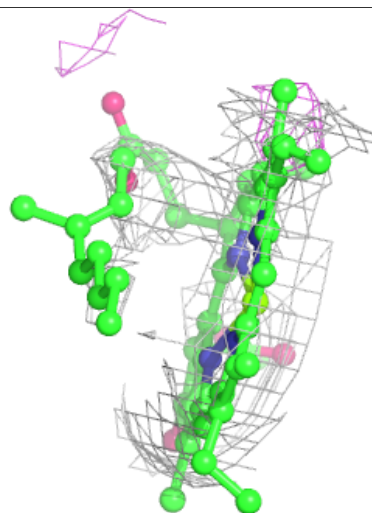
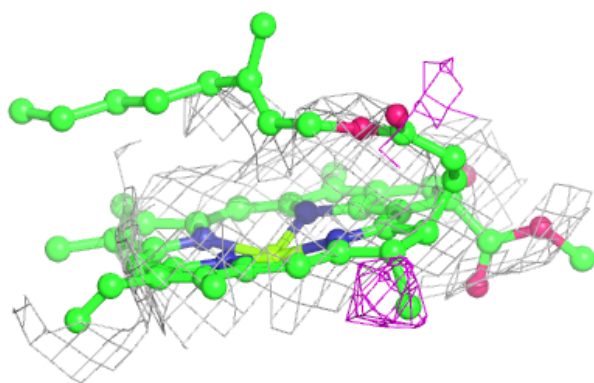
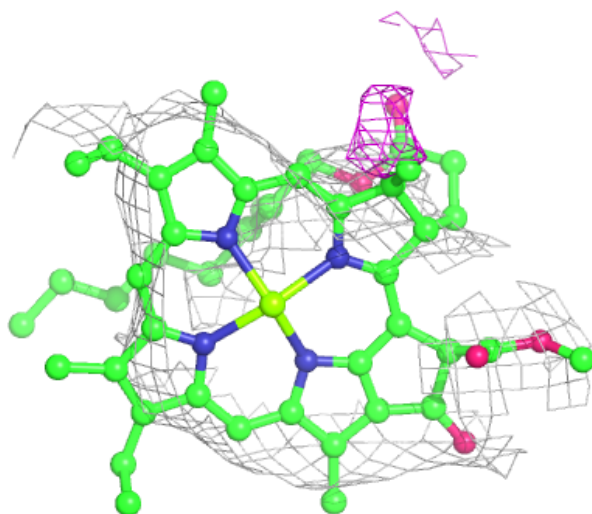
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





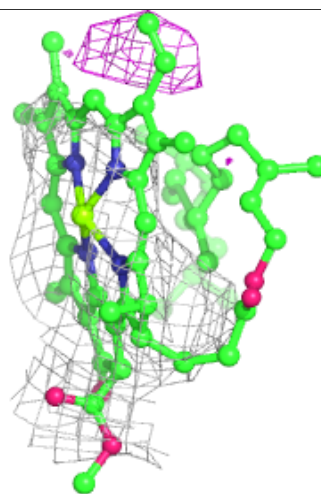
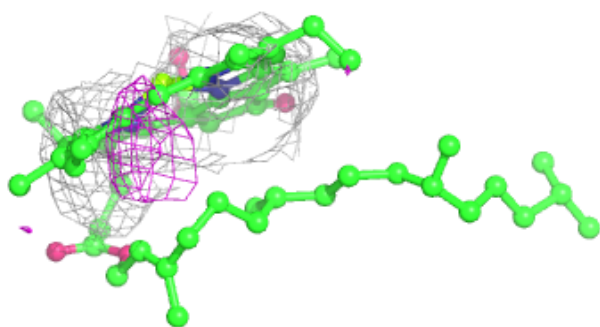
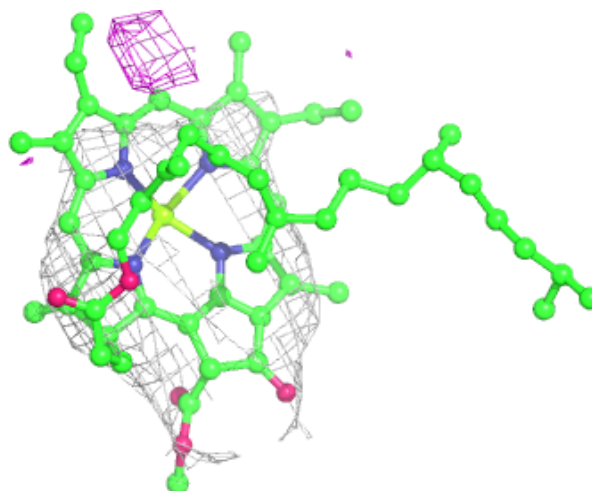
**Electron density around CLA A1 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



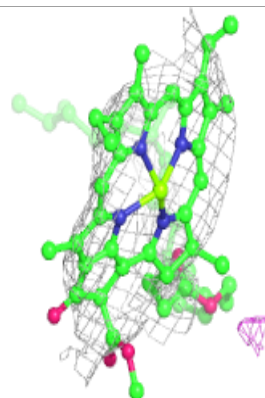
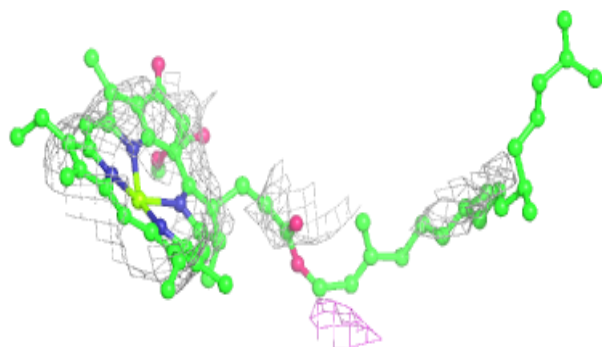
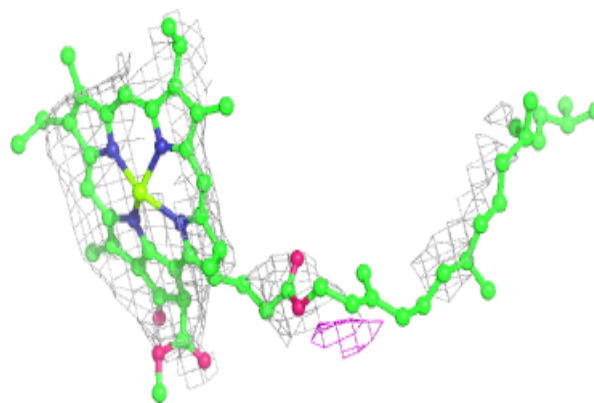
**Electron density around CLA B6 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

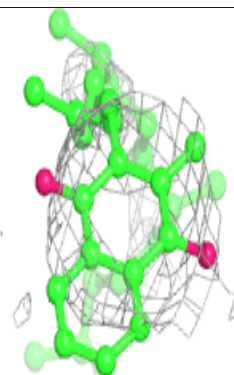
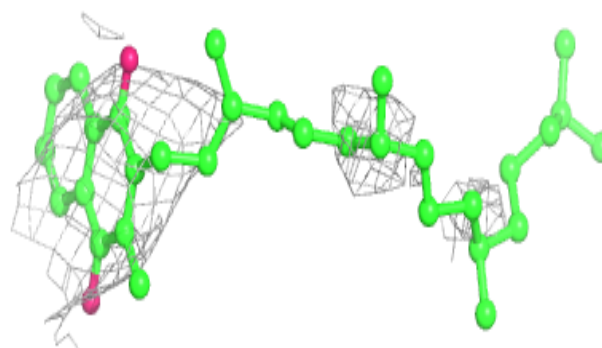
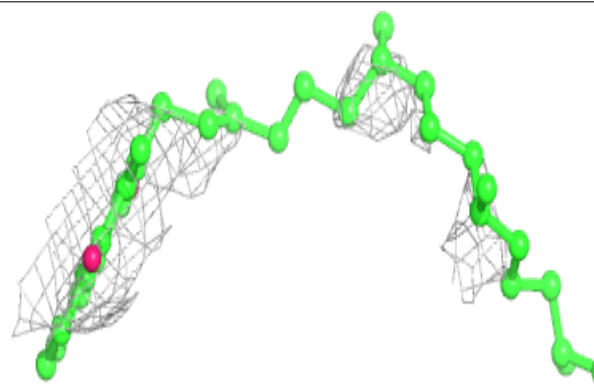


**Electron density around CLA B3 1804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around PQN B2 841:**

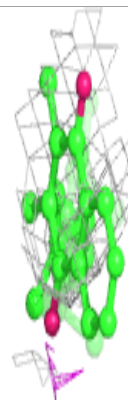
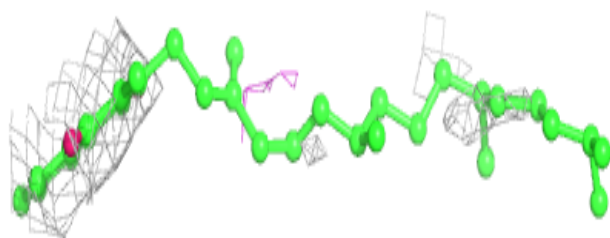
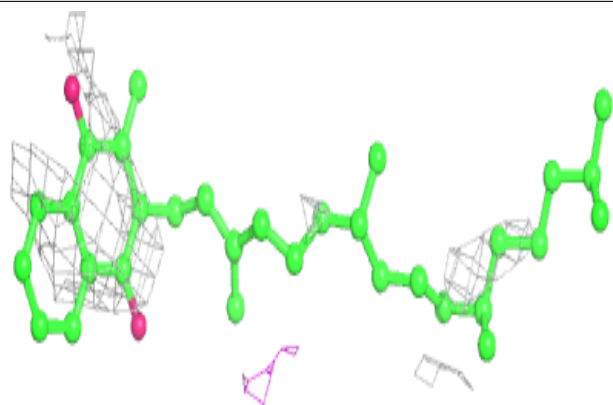
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



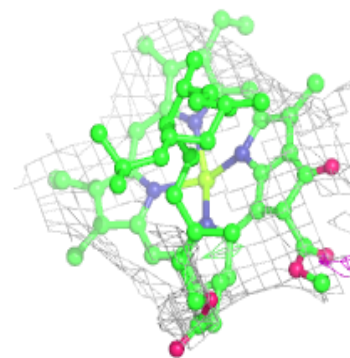
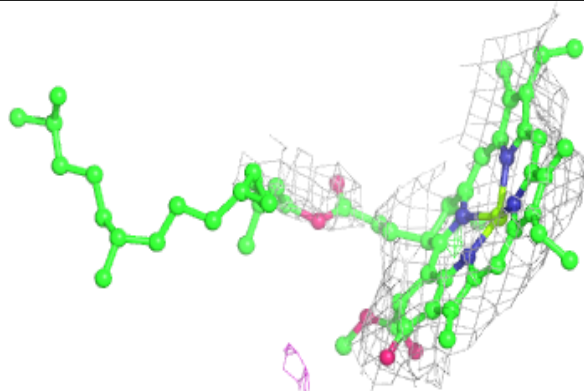
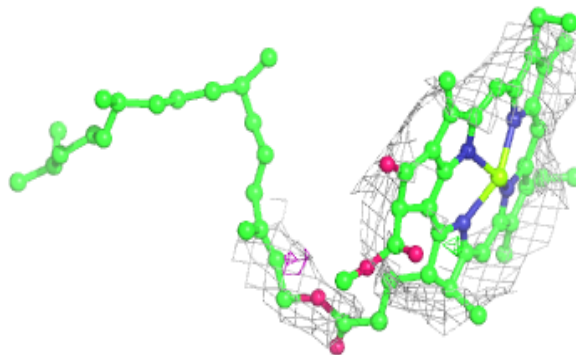


**Electron density around PQN A3 846:**

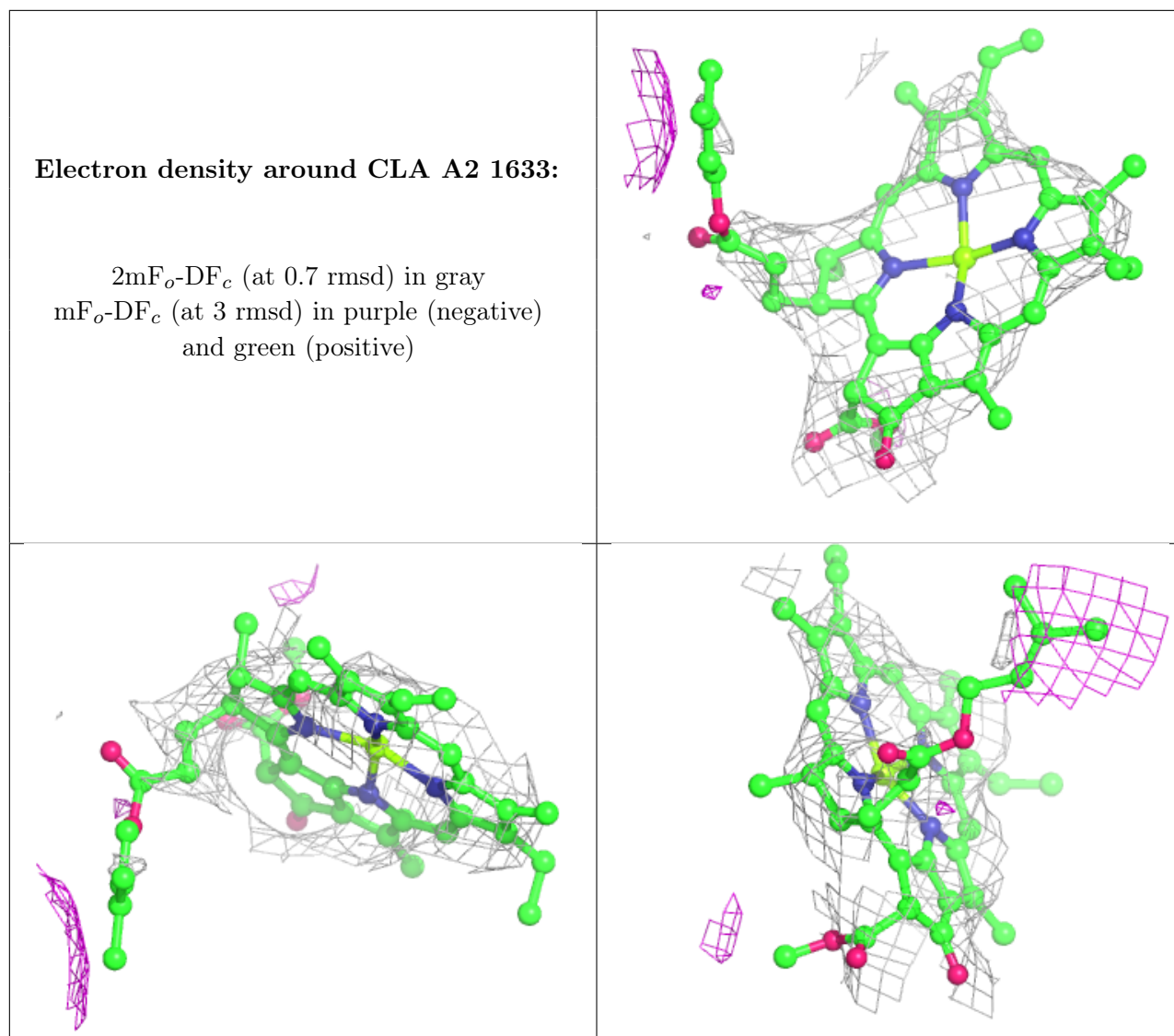
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

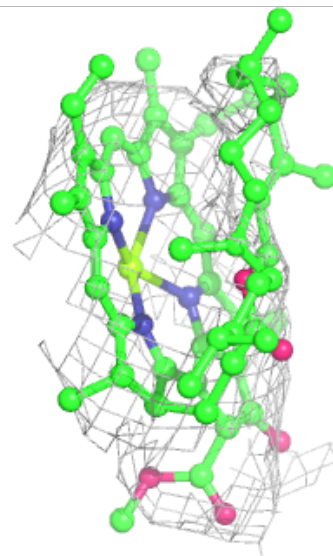
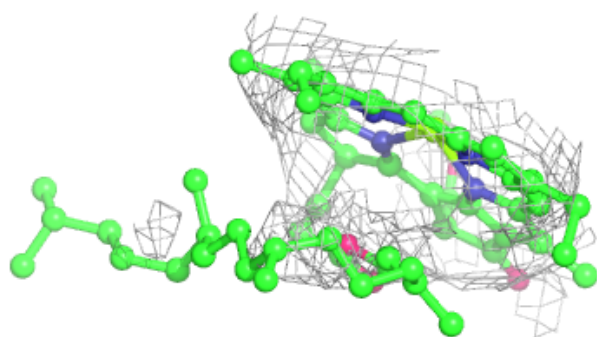
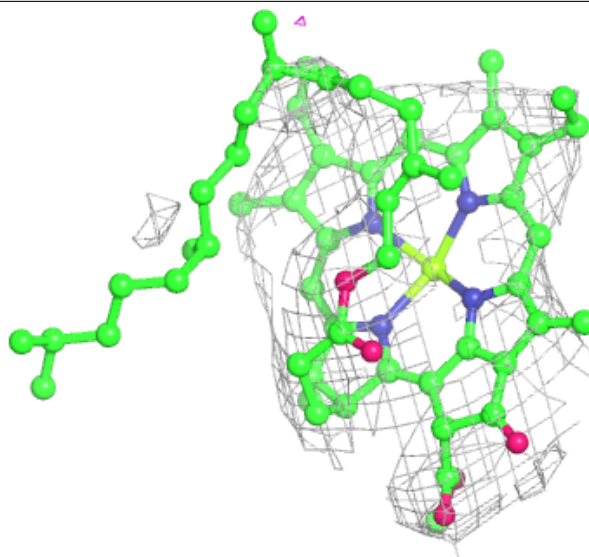


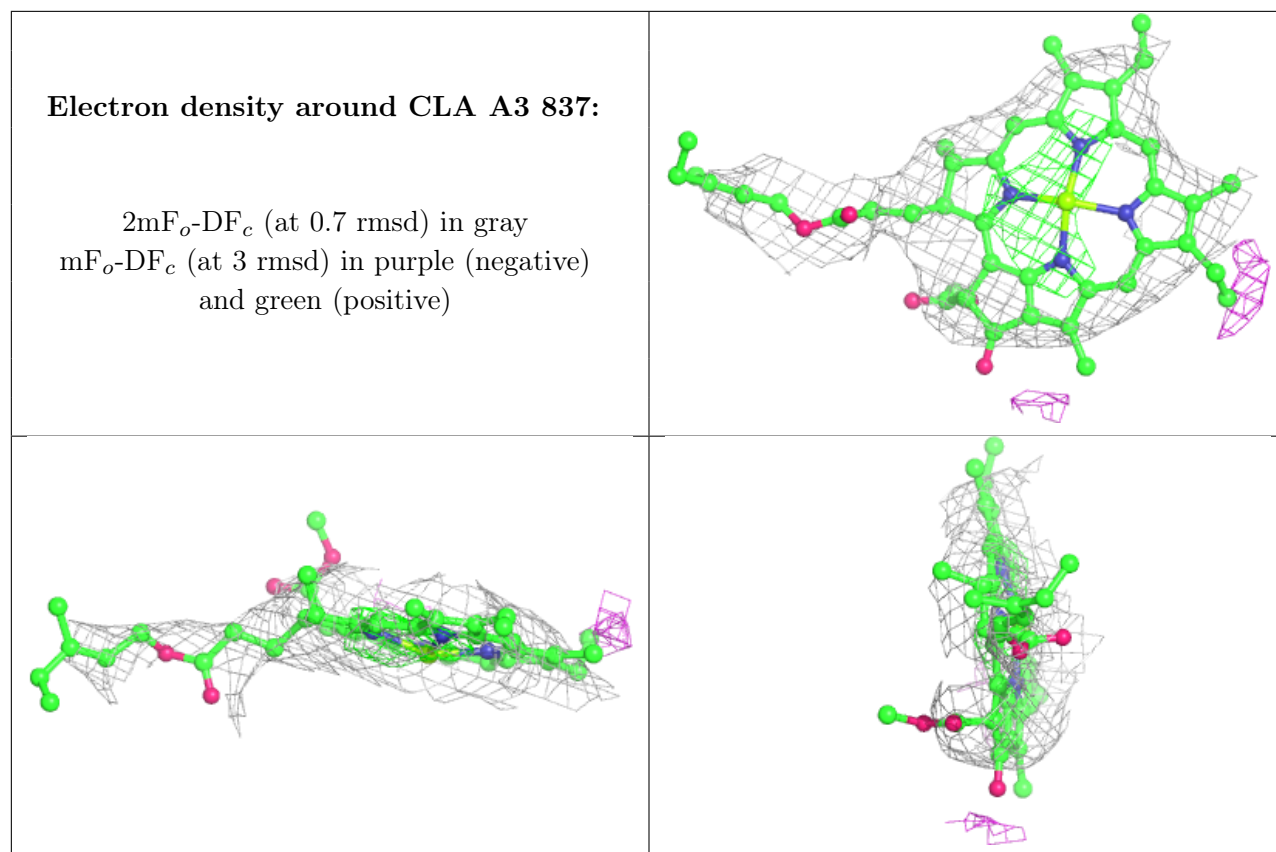




**Electron density around CLA B5 1810:**

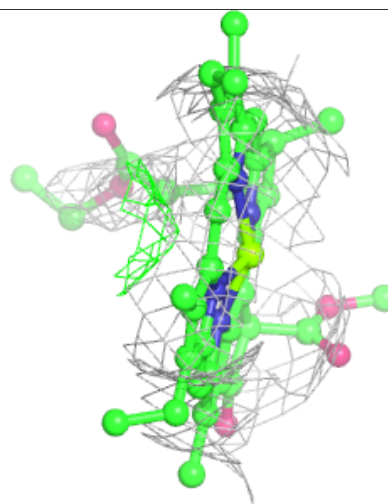
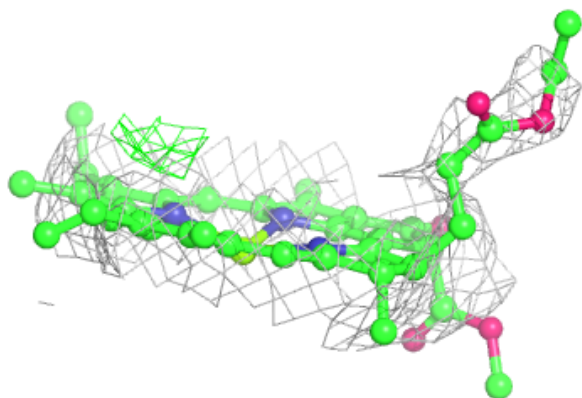
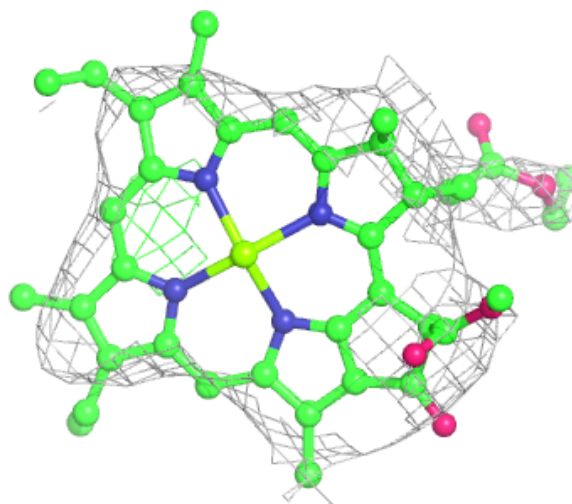
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





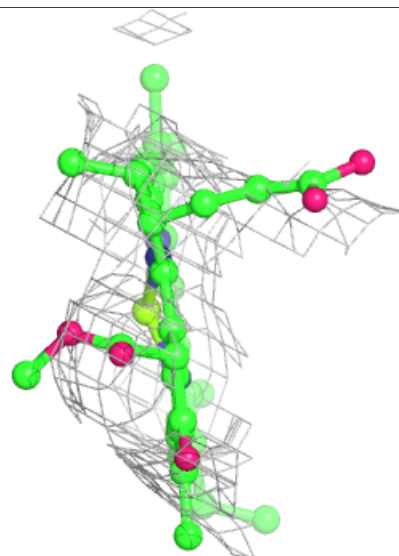
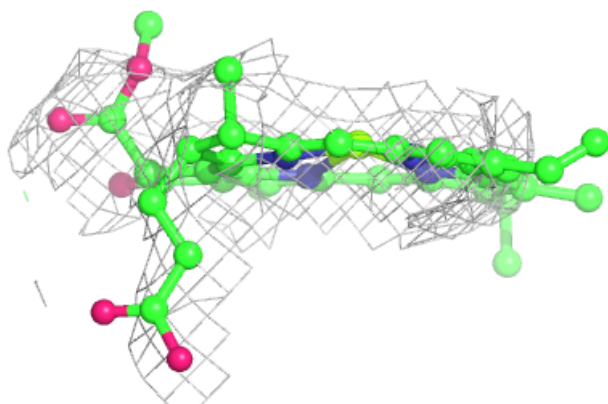
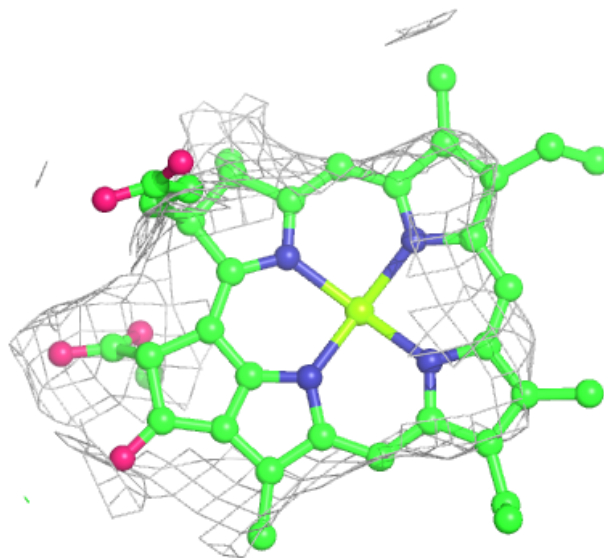
**Electron density around CLA A3 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



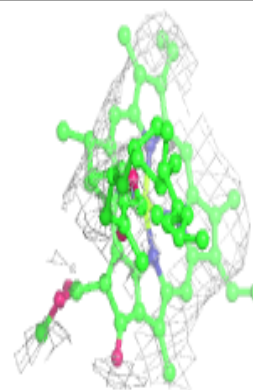
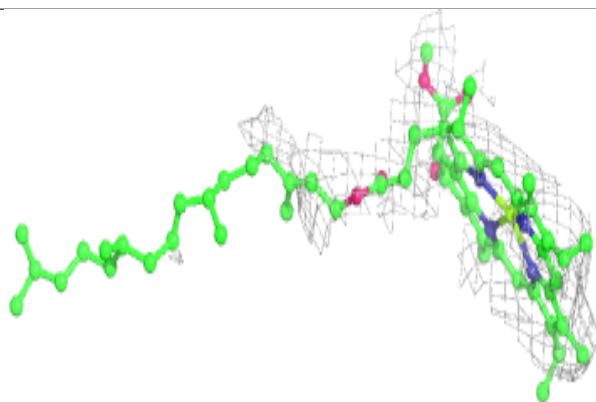
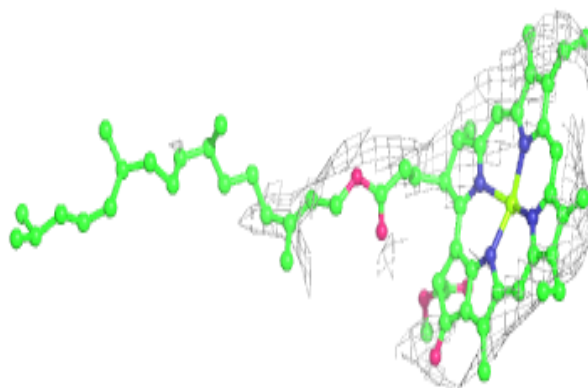
**Electron density around CLA B2 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

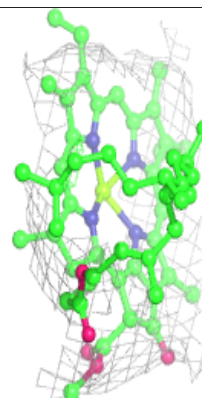
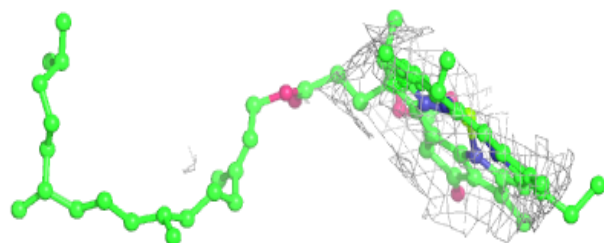
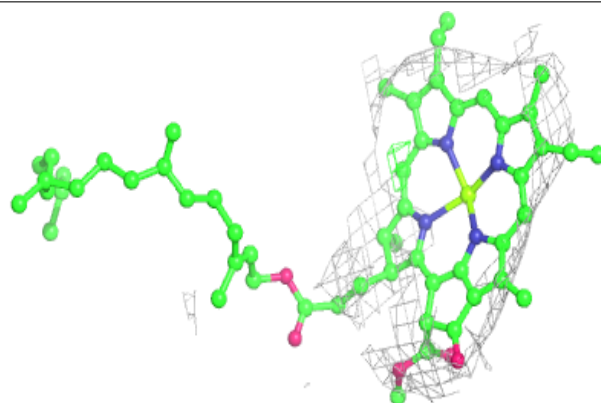


**Electron density around CLA A5 809:**

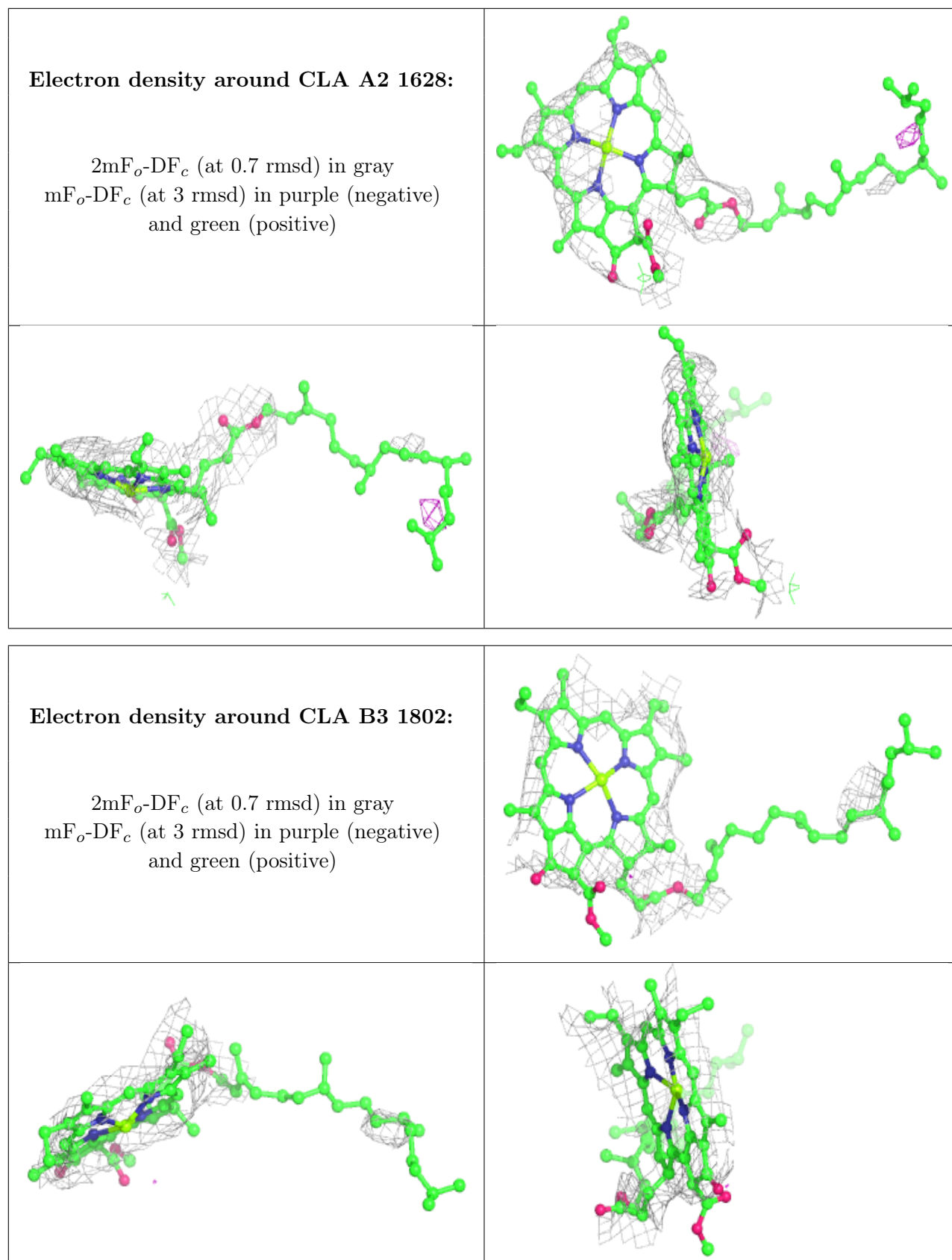
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

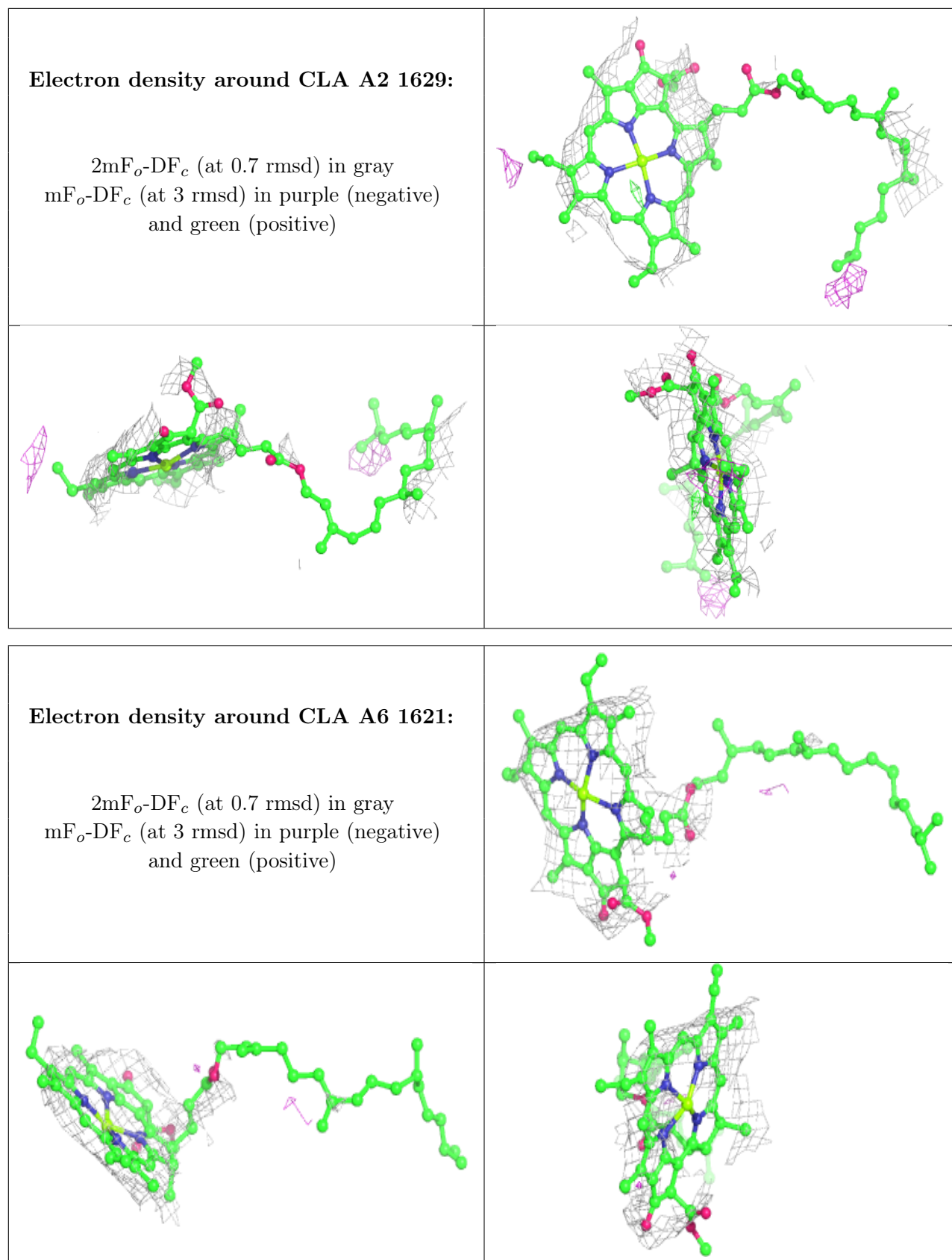
**Electron density around CLA B1 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





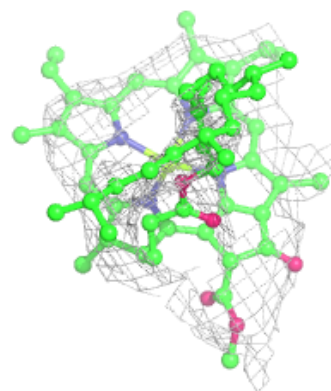
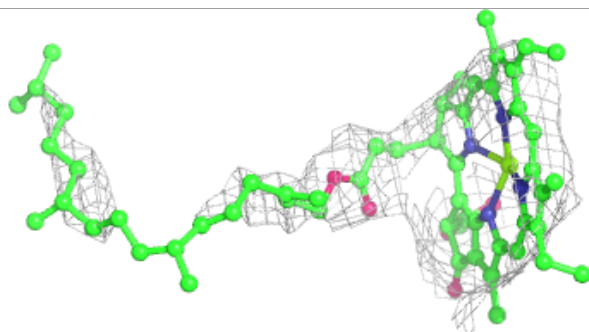
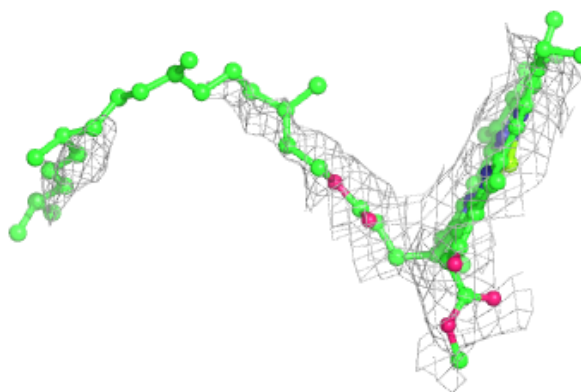




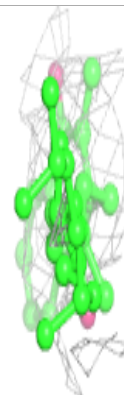
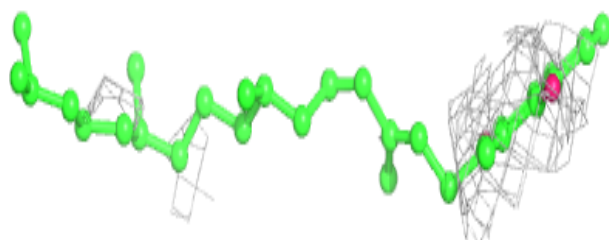
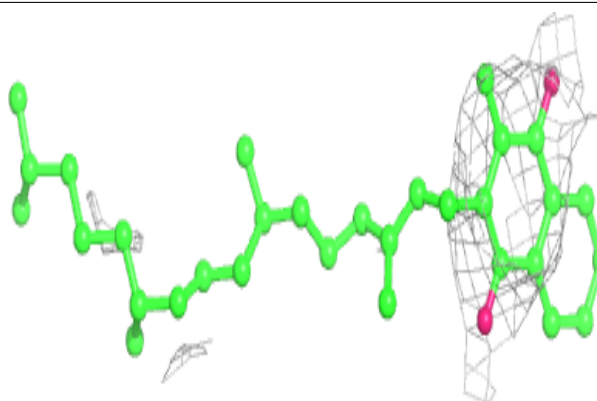


**Electron density around CLA B2 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

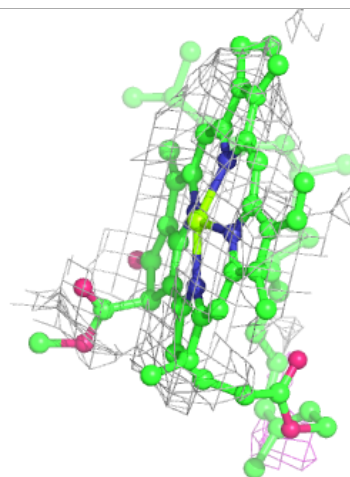
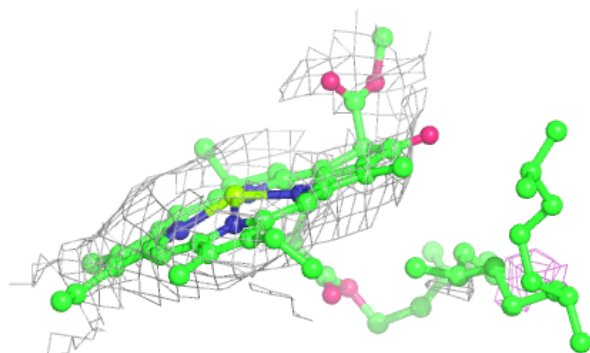
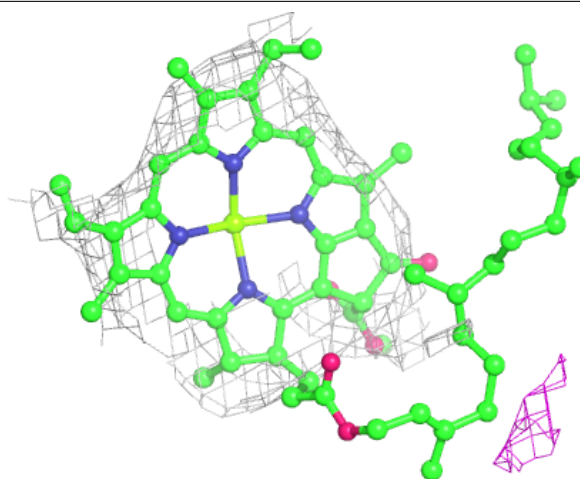
**Electron density around PQN A6 1642:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



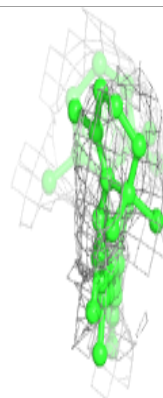
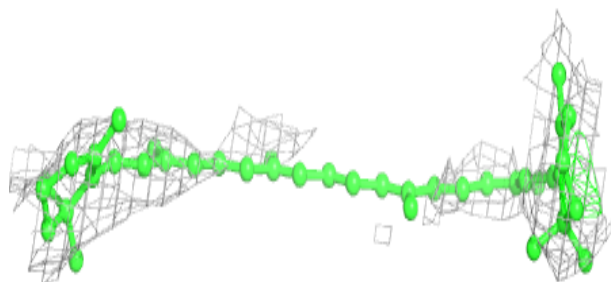
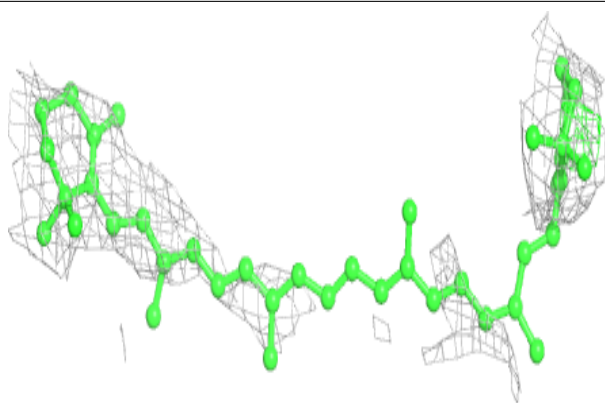
**Electron density around CLA B3 1834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

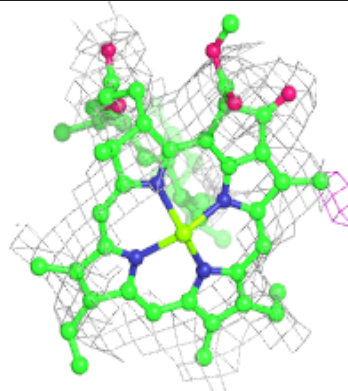
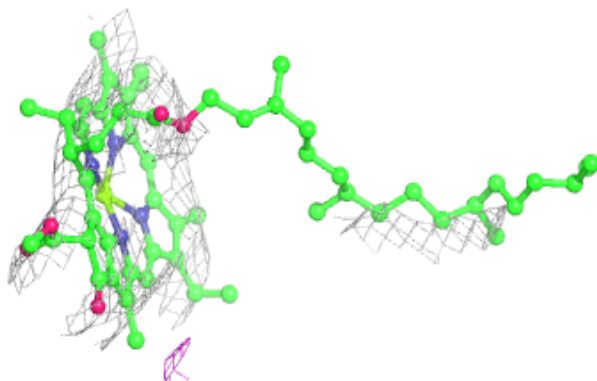
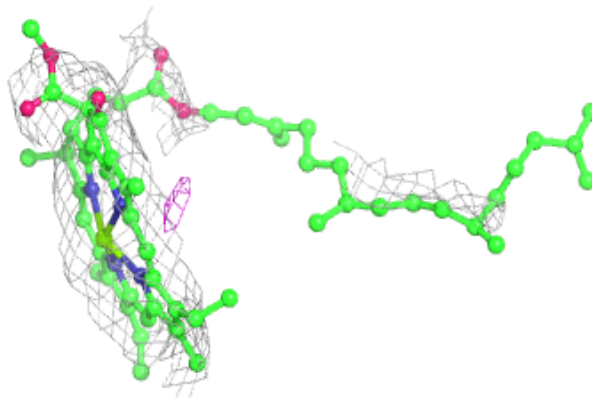


**Electron density around BCR I5 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

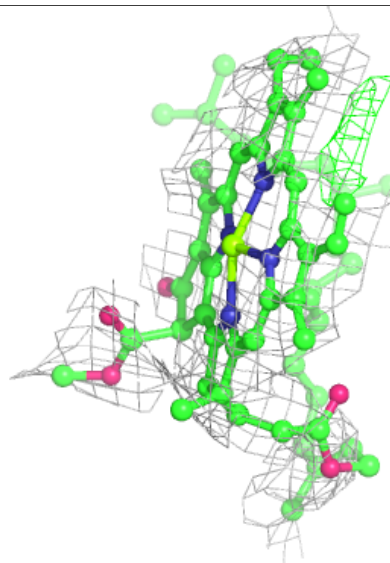
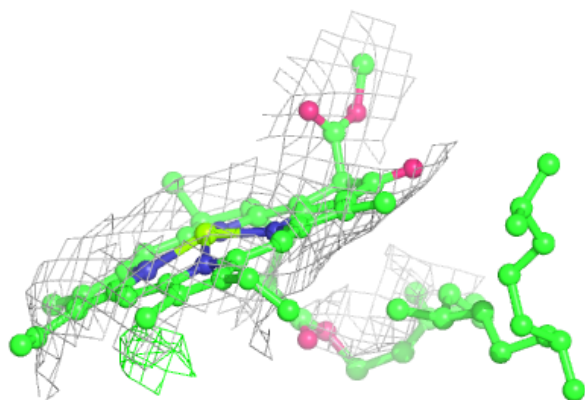
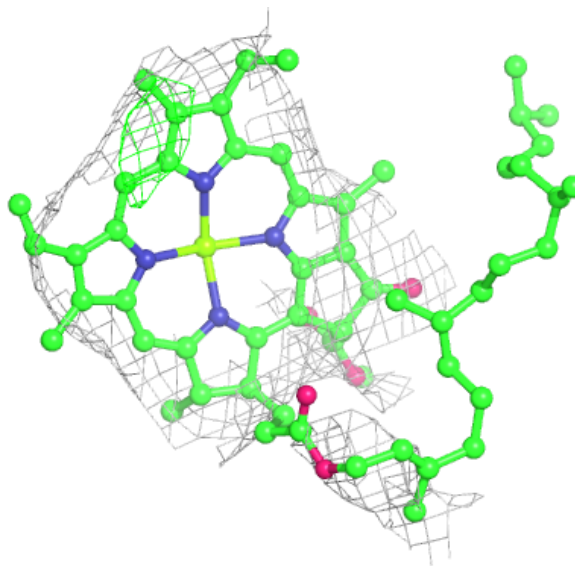
**Electron density around CLA A2 1613:**

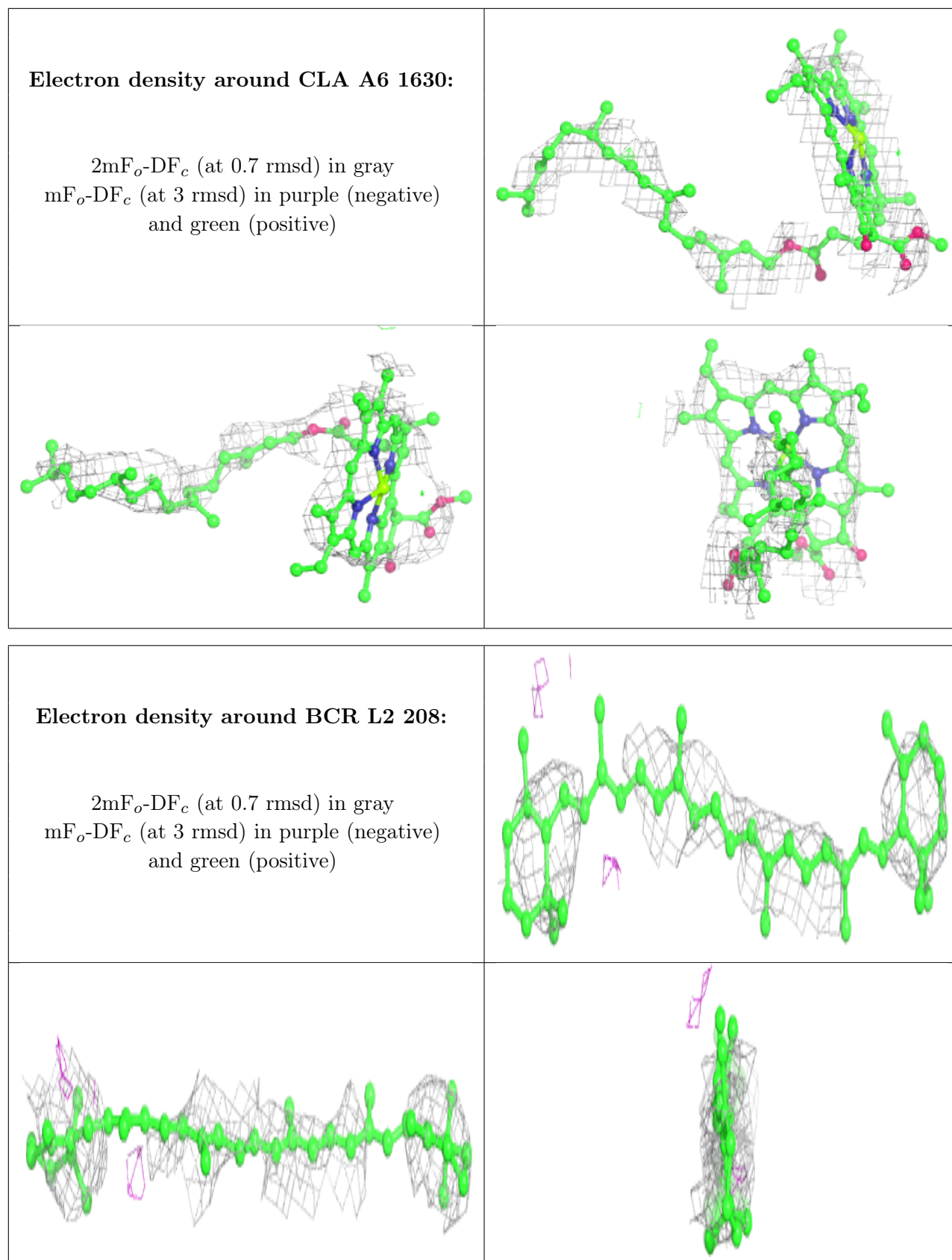
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

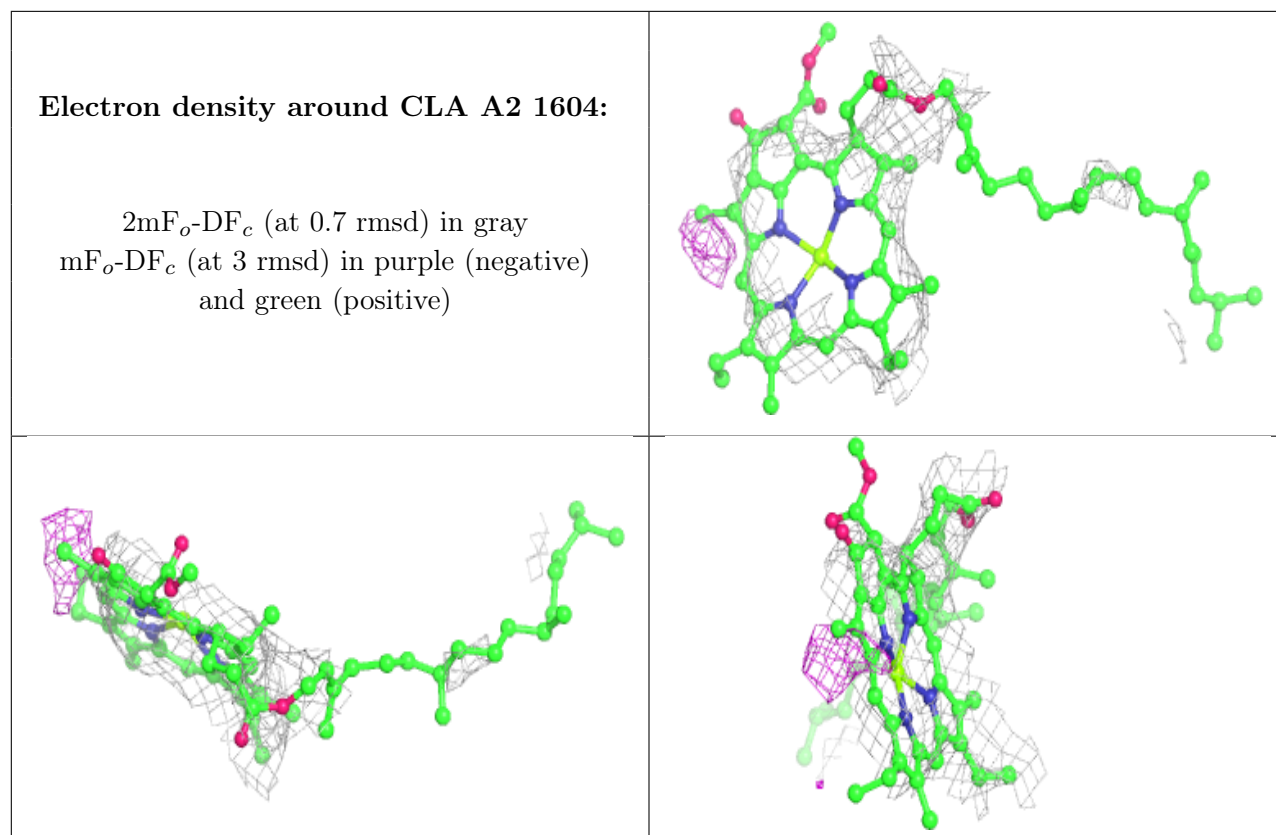


**Electron density around CLA B6 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



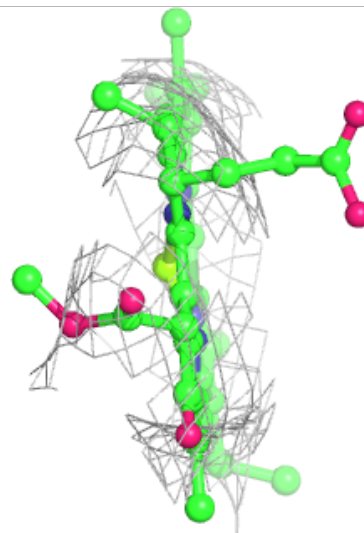
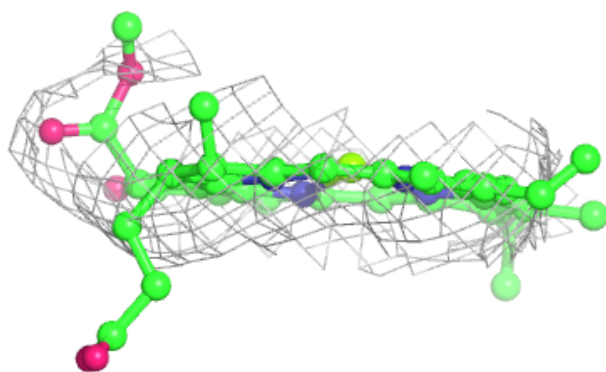
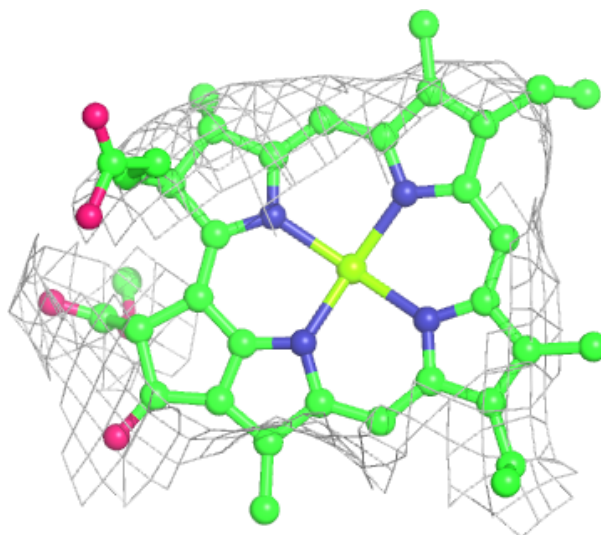






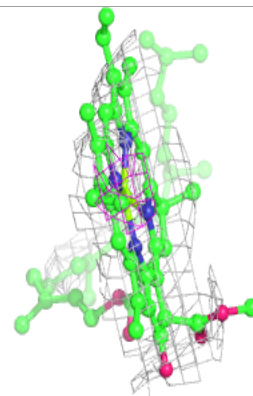
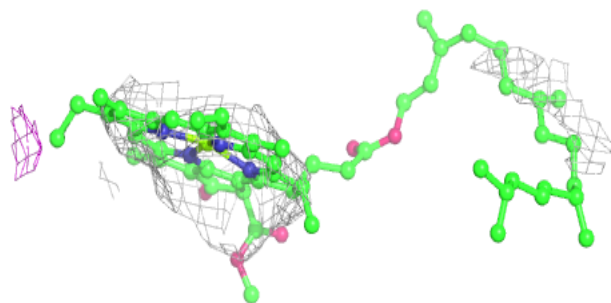
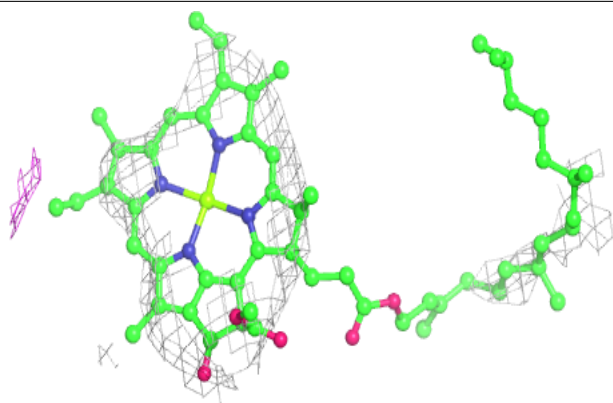
**Electron density around CLA B2 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

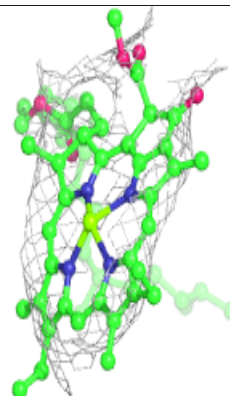
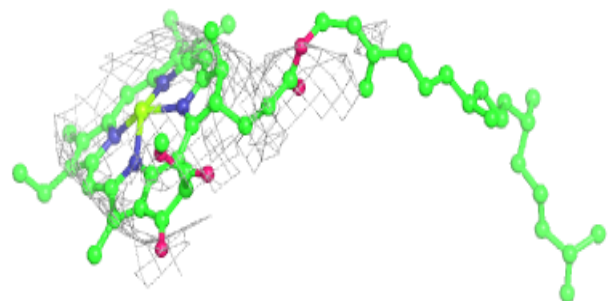
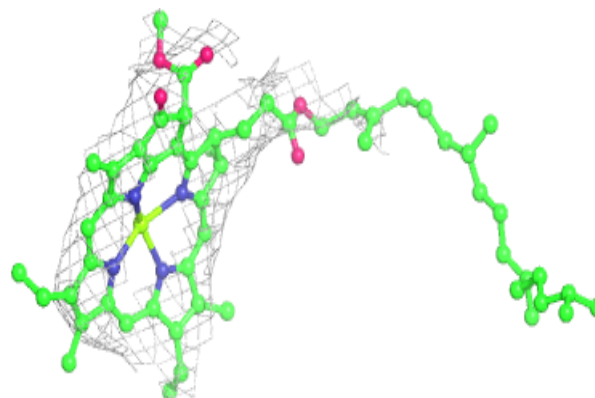


**Electron density around CLA A5 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B2 802:**

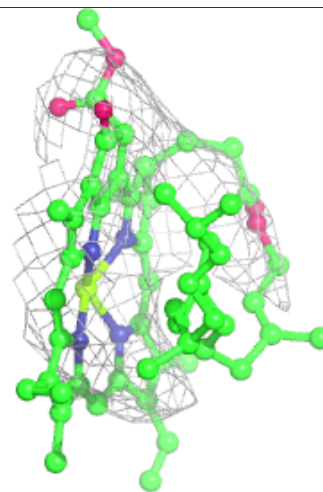
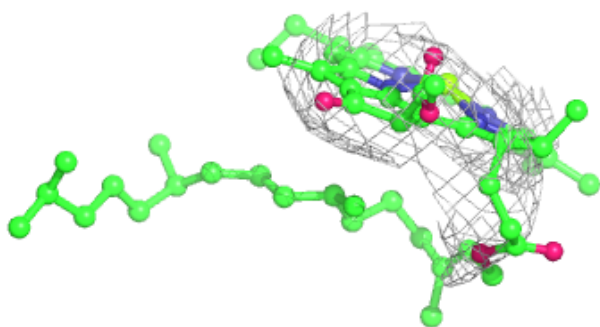
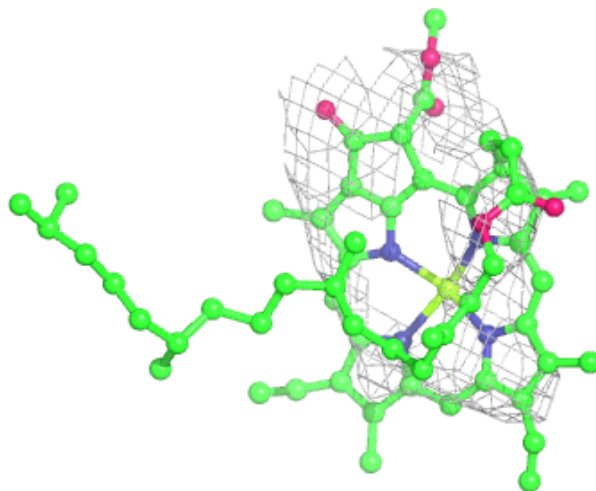
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





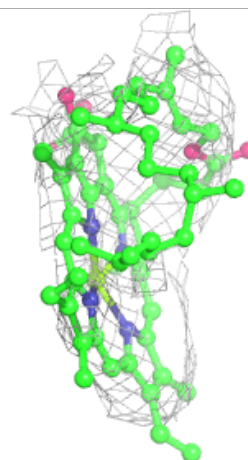
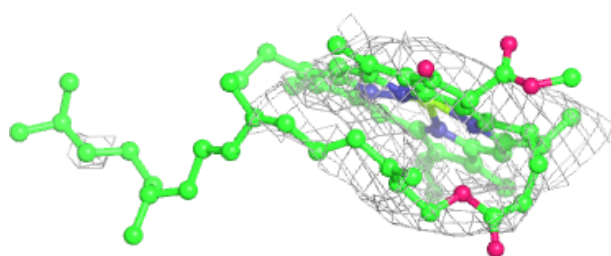
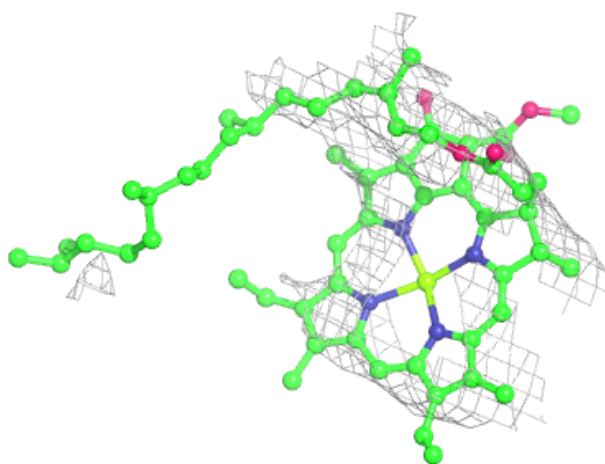
**Electron density around CLA B5 1829:**

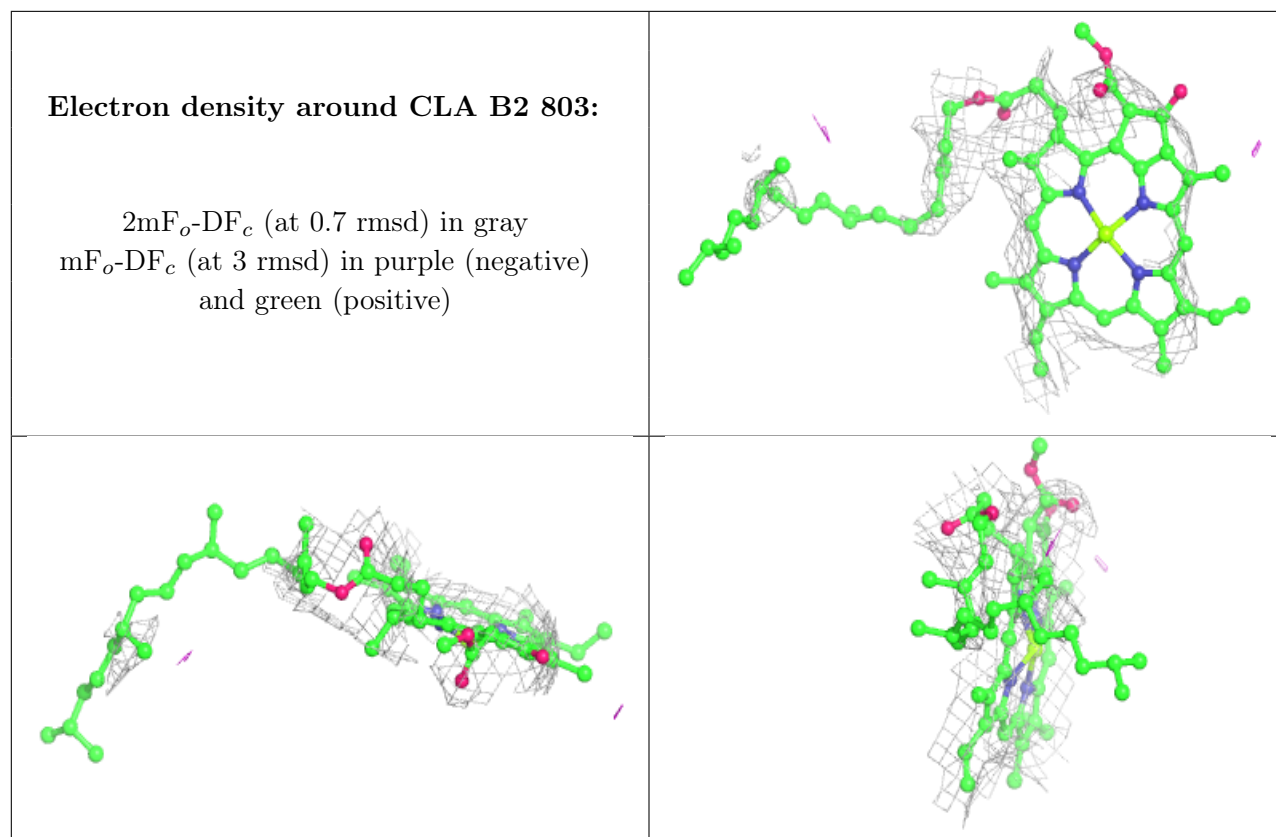
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 829:**

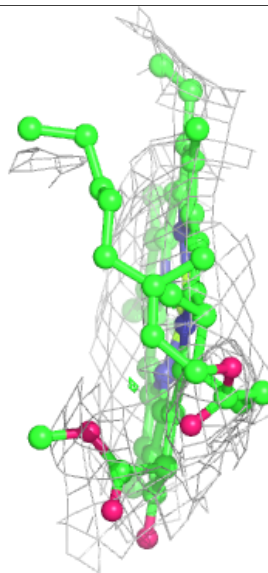
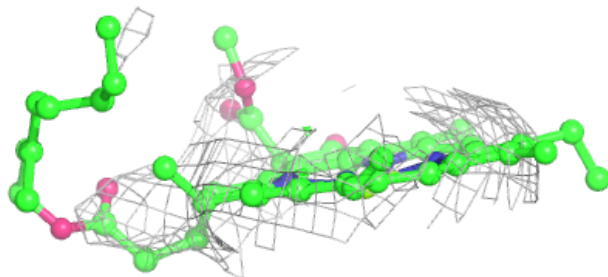
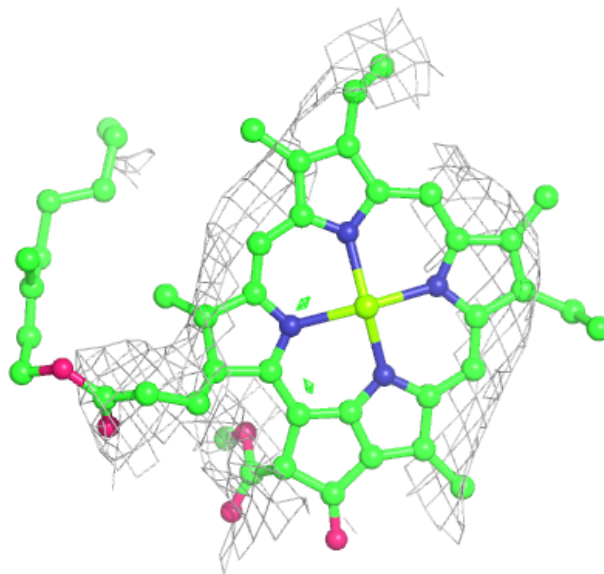
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

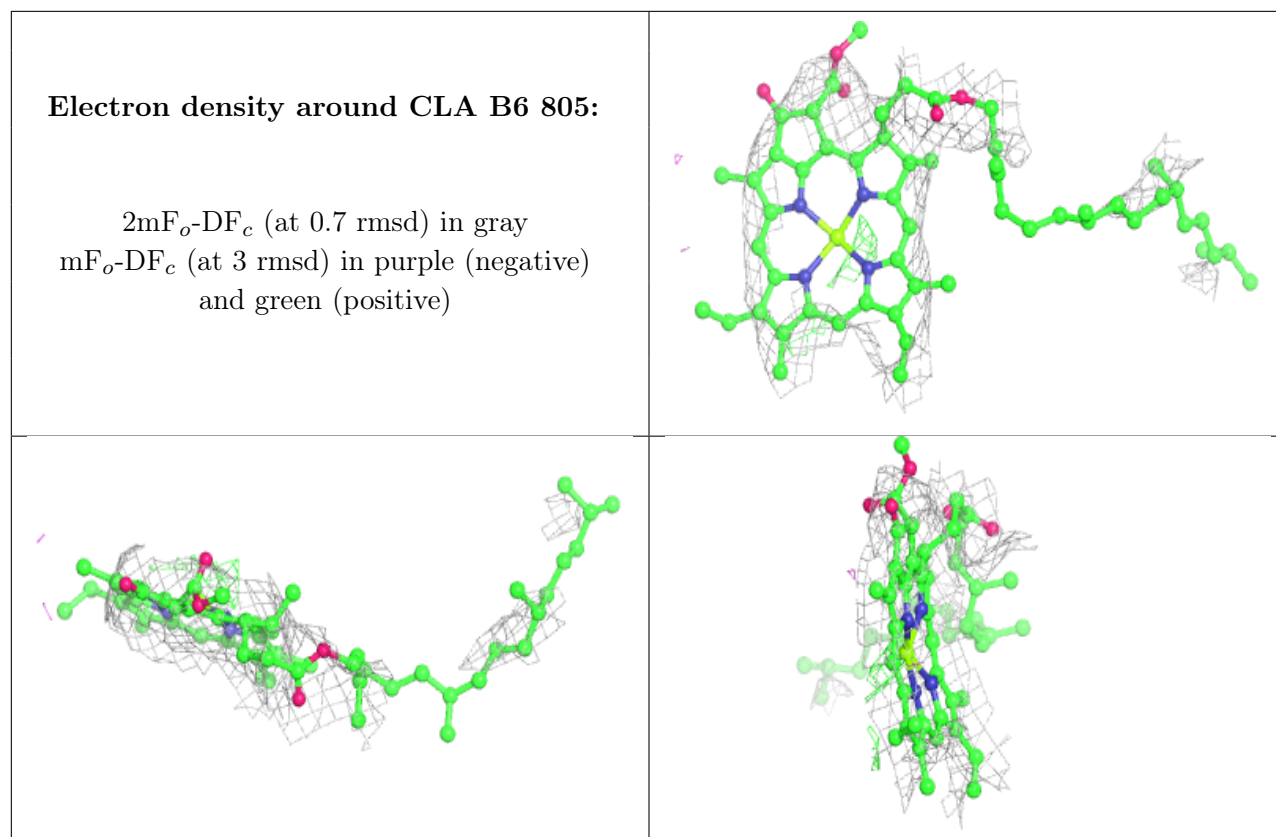




**Electron density around CLA B2 823:**

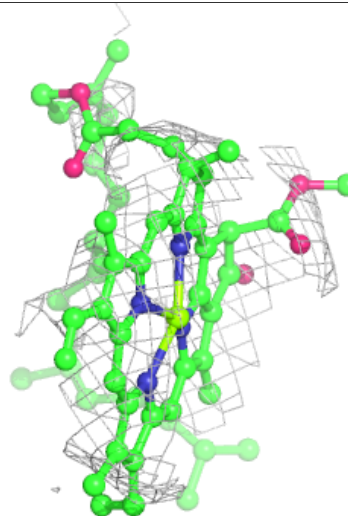
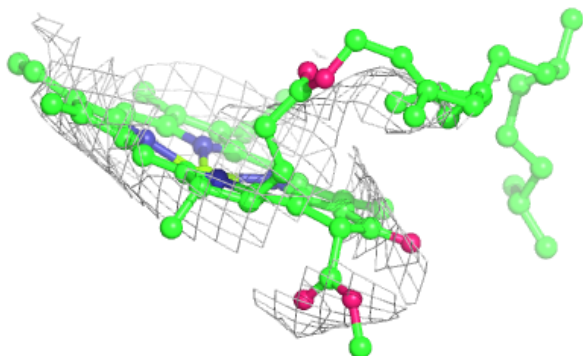
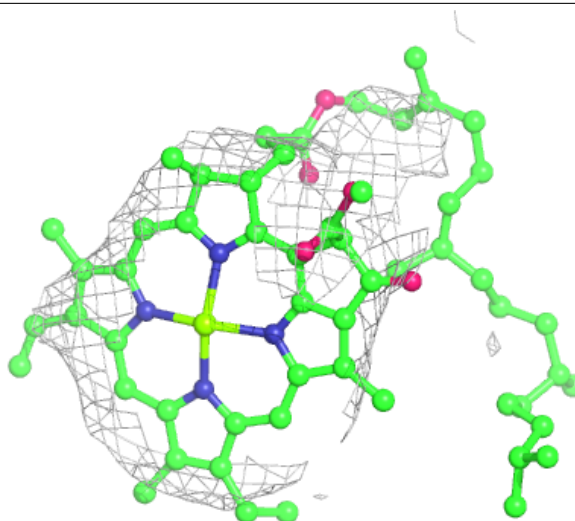
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





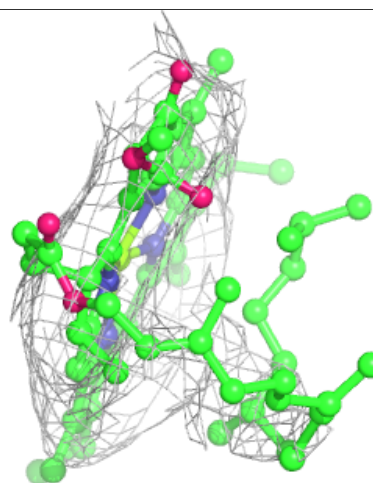
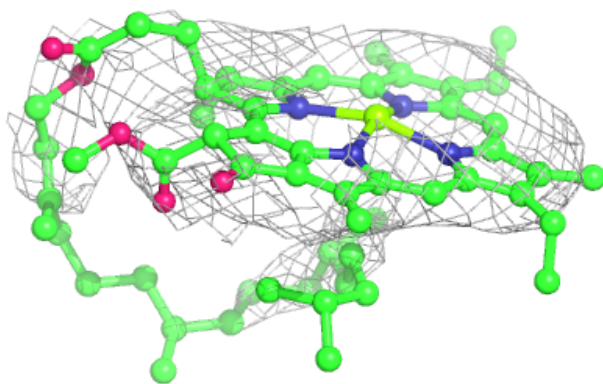
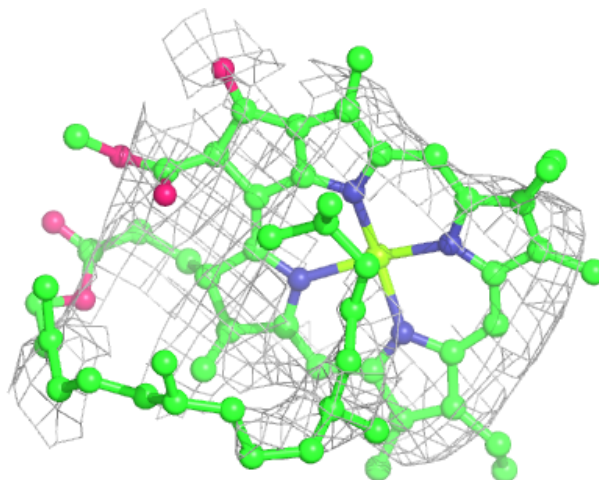
**Electron density around CLA B5 1834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A2 1608:**

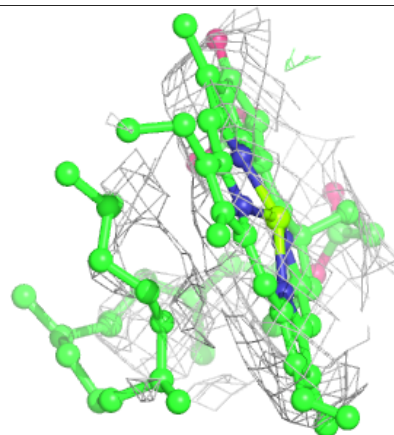
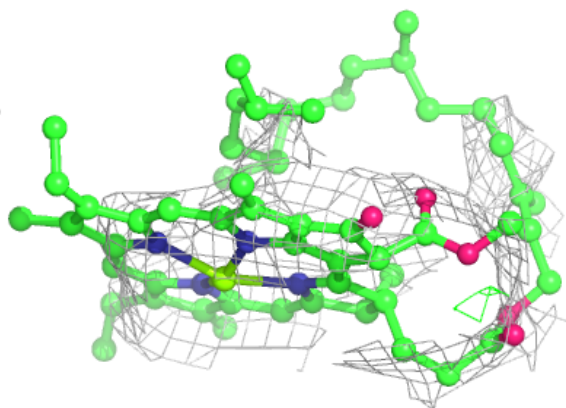
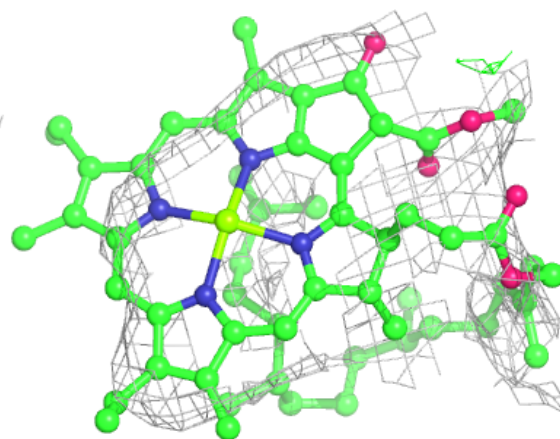
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



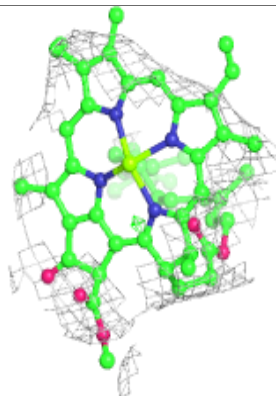
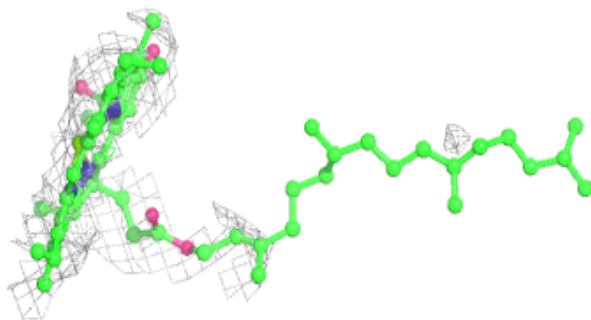
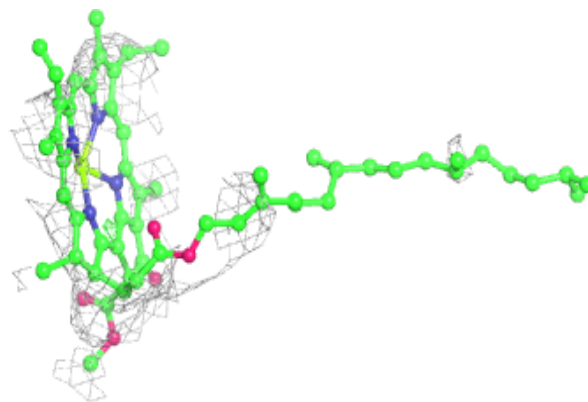


**Electron density around CLA B6 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B2 827:**

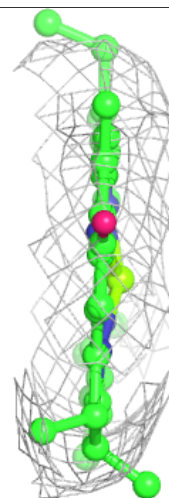
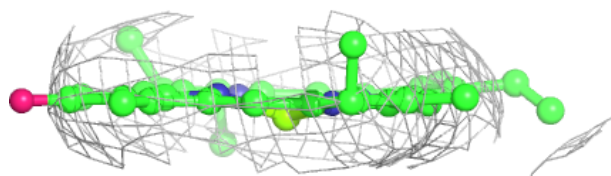
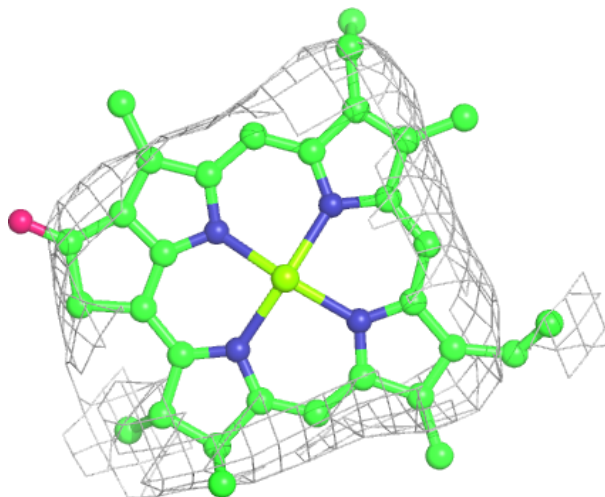
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

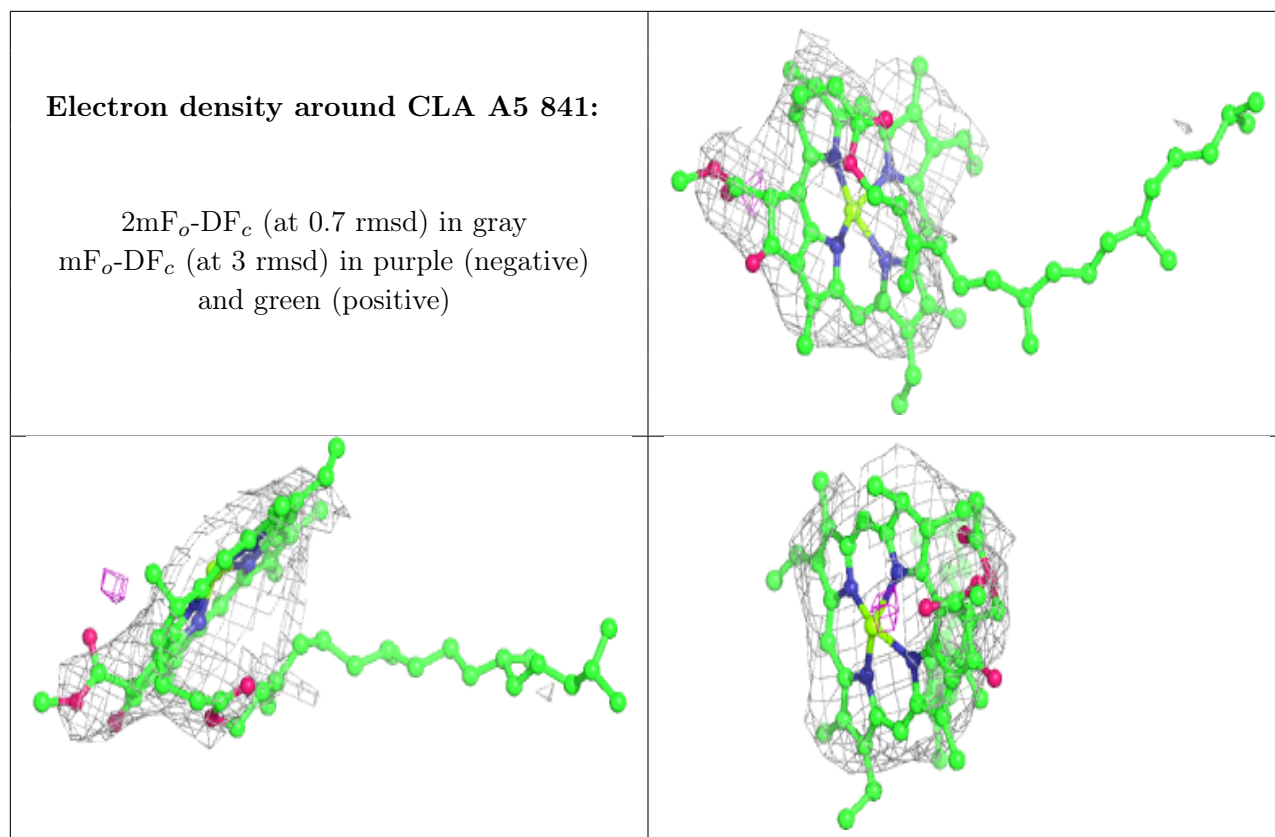


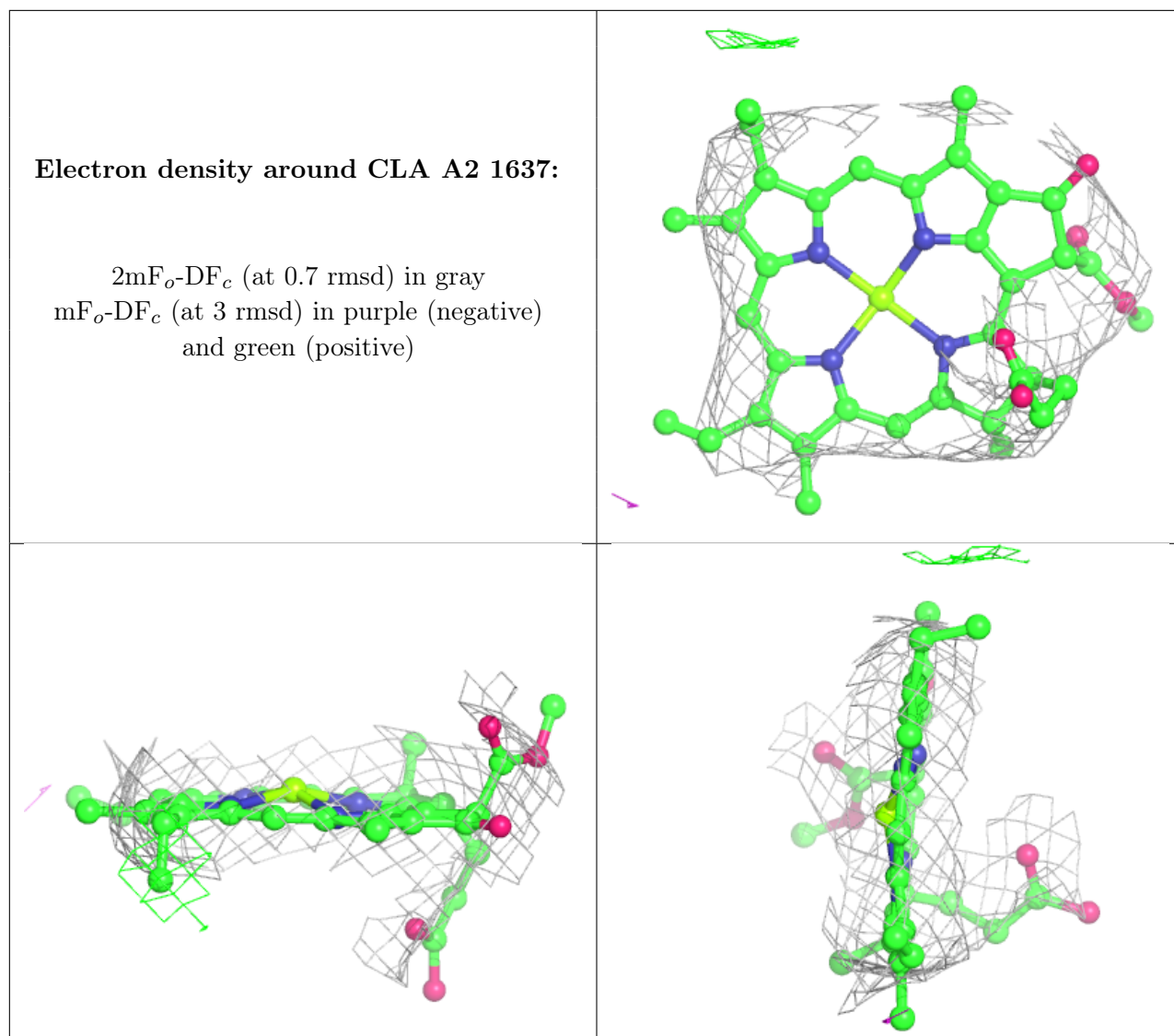


**Electron density around CLA J6 1103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

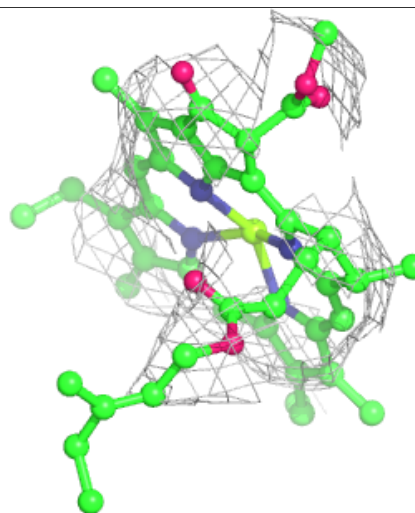
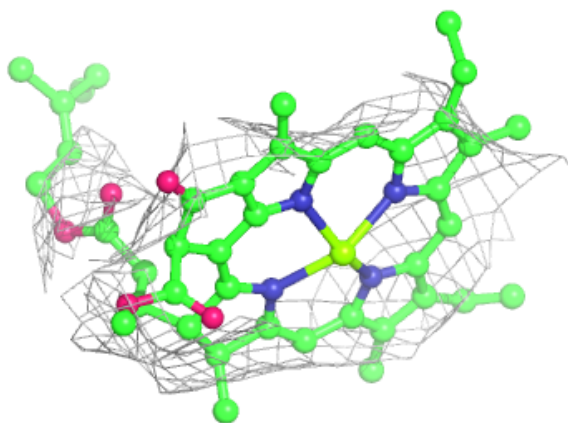
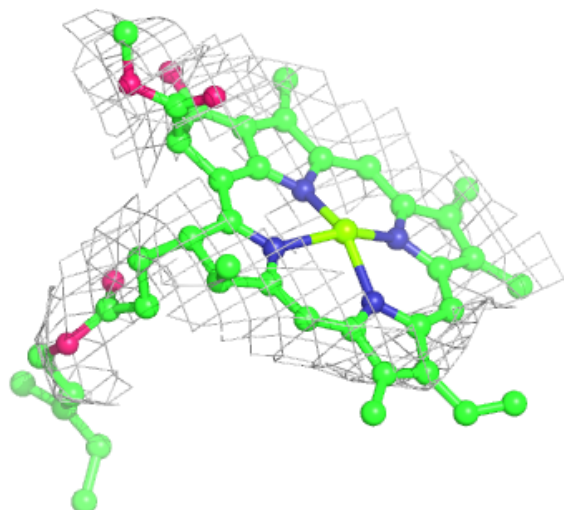






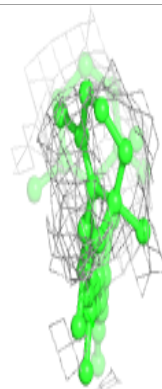
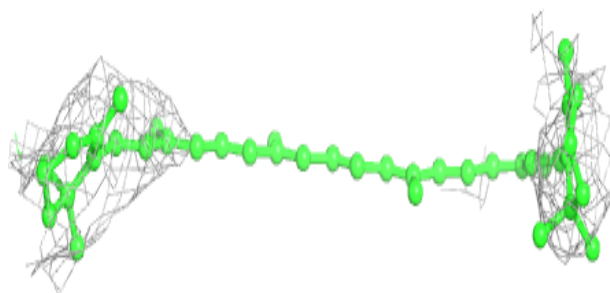
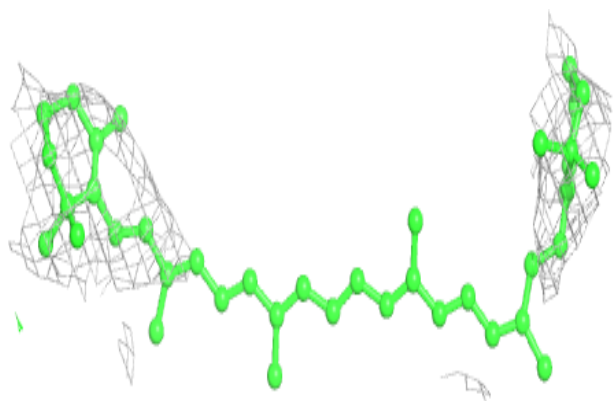
**Electron density around CLA A2 1609:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

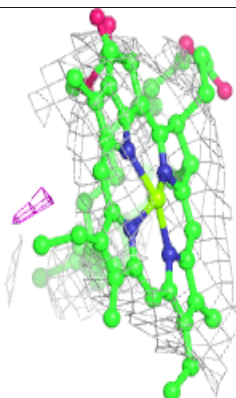
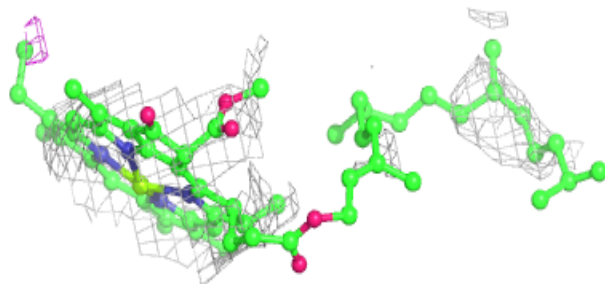
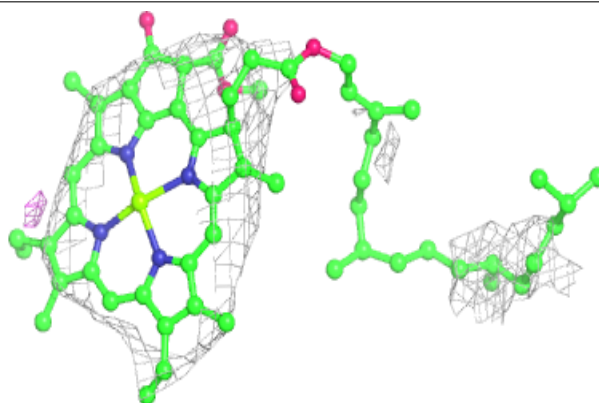


**Electron density around BCR I3 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

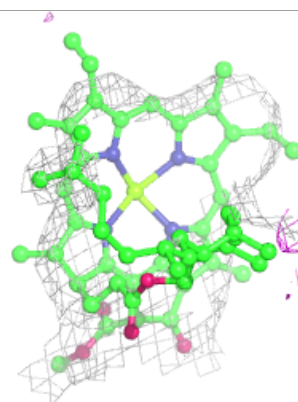
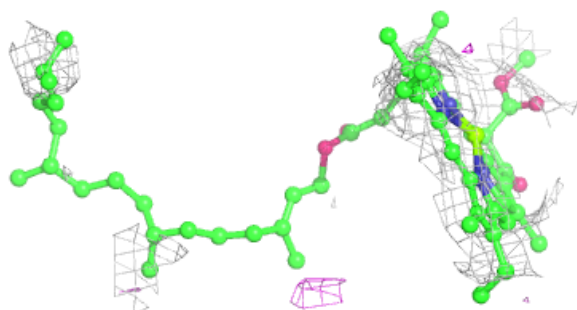
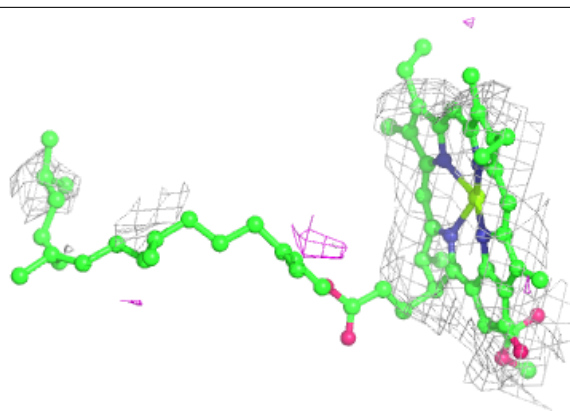
**Electron density around CLA A3 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

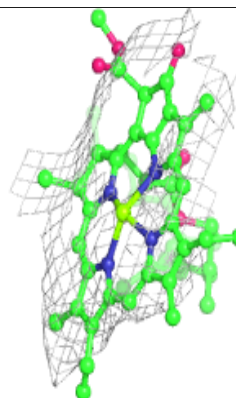
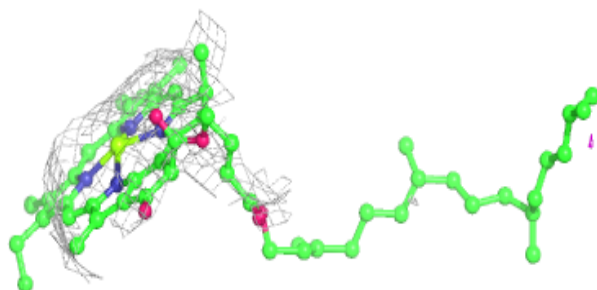
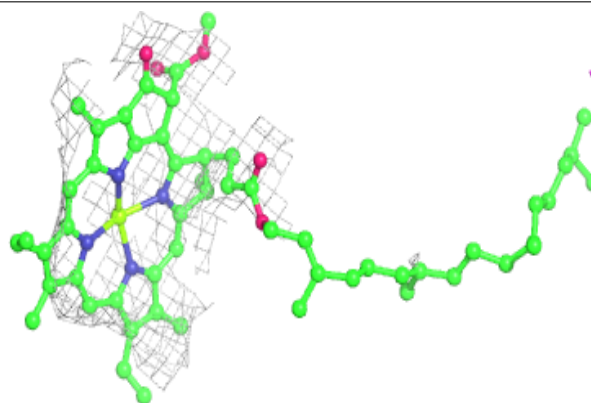


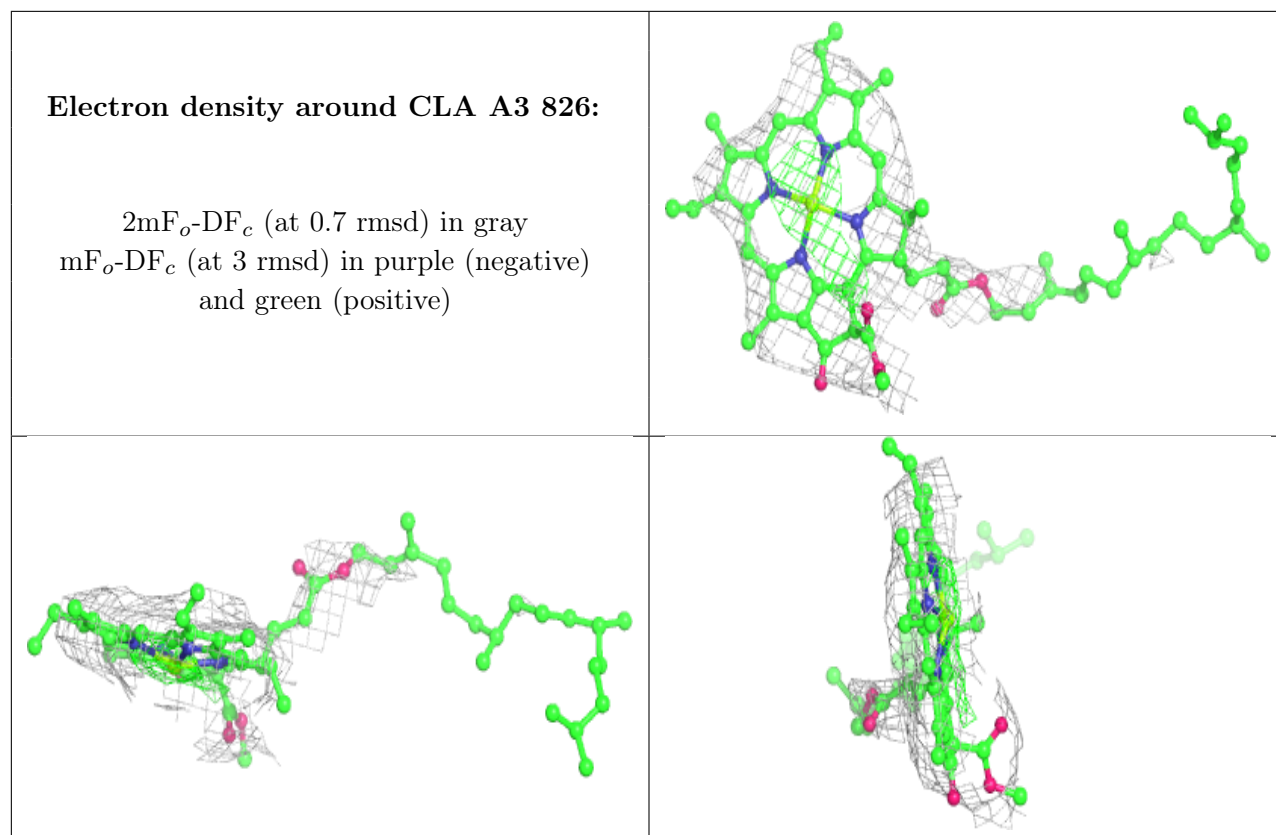
**Electron density around CLA L6 207:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A4 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

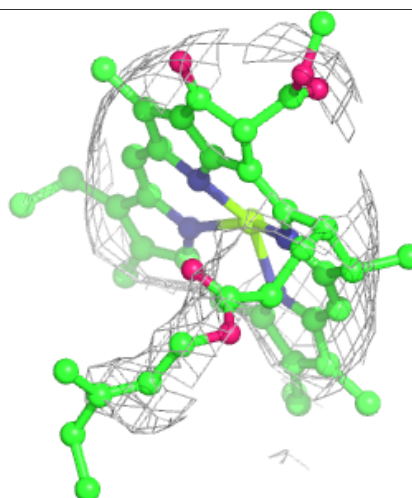
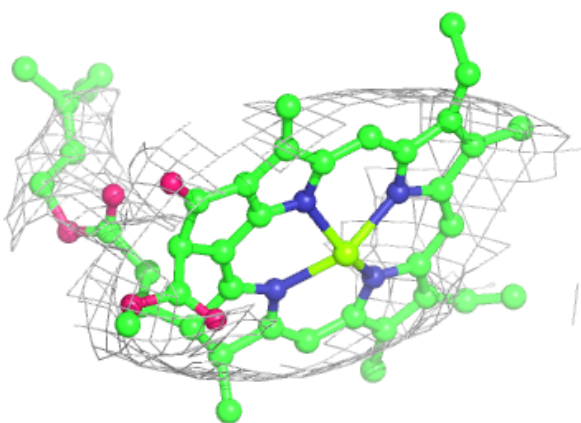
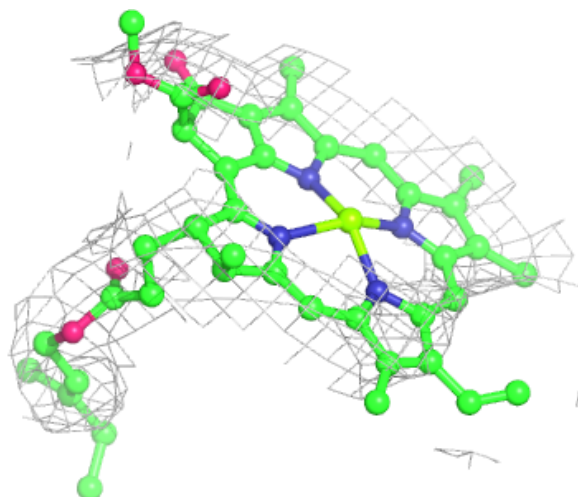






**Electron density around CLA A6 1607:**

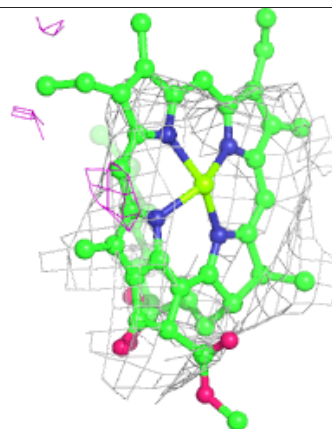
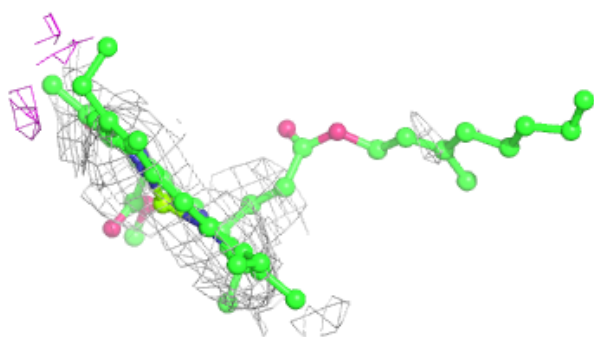
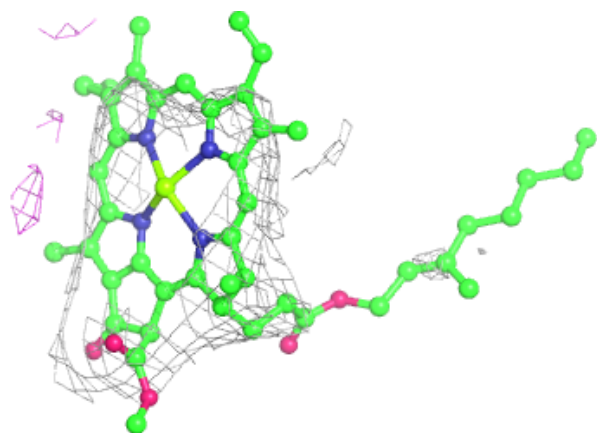
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



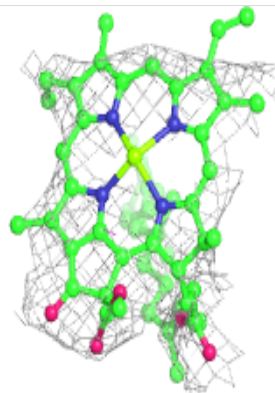
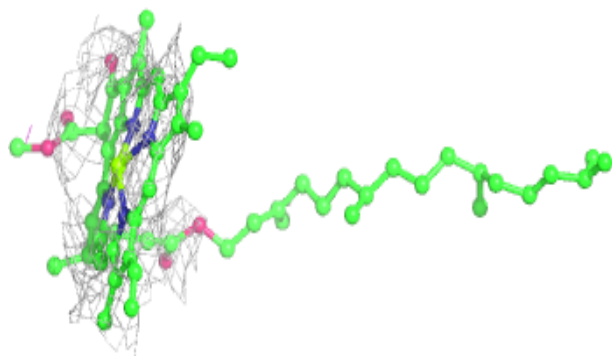
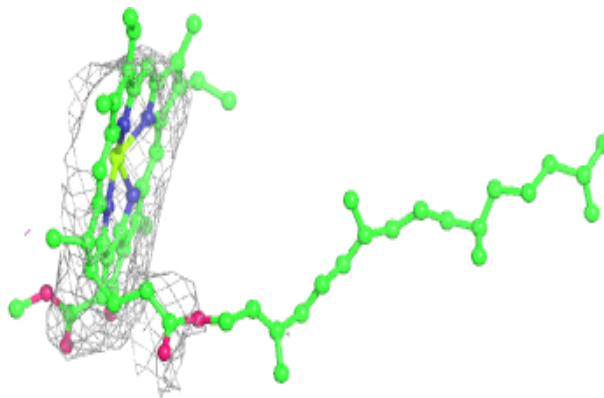


**Electron density around CLA A1 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

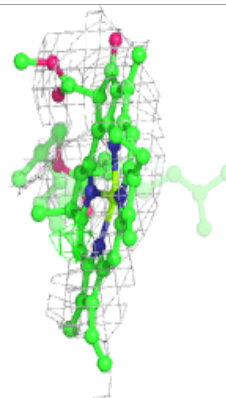
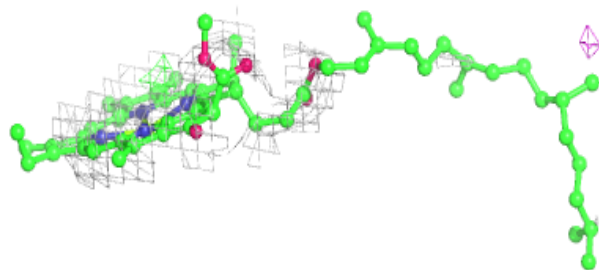
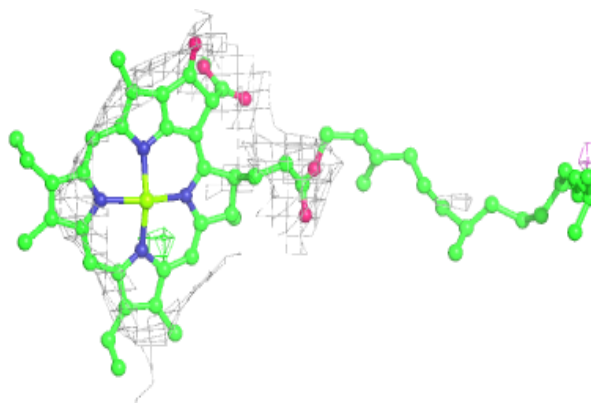
**Electron density around CLA B4 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

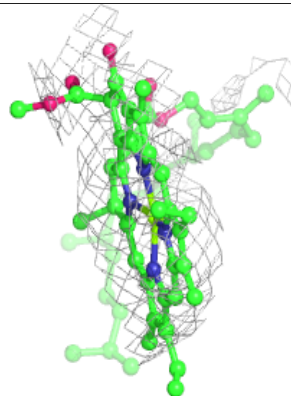
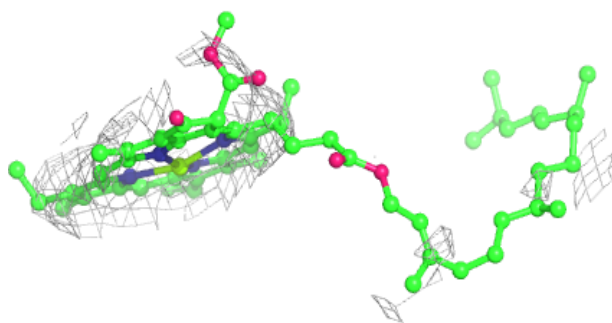
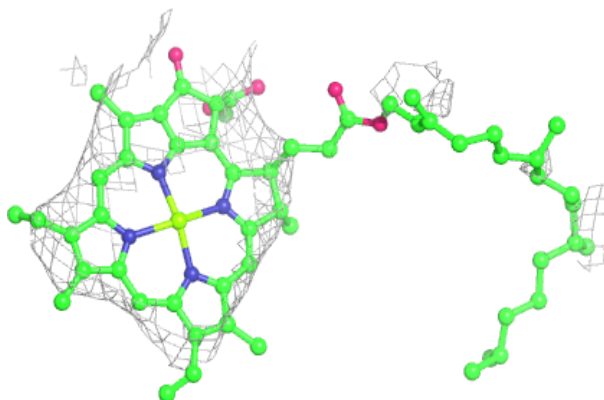


**Electron density around CLA A5 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

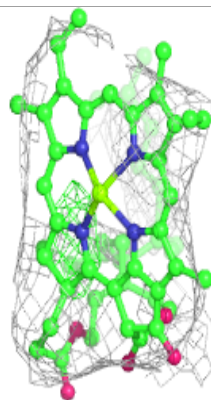
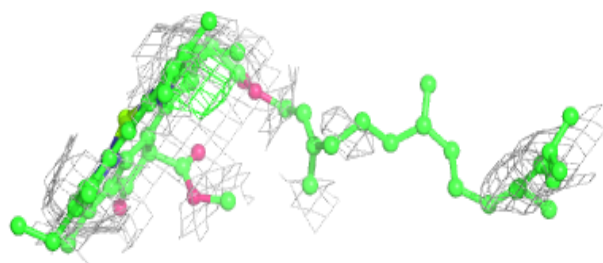
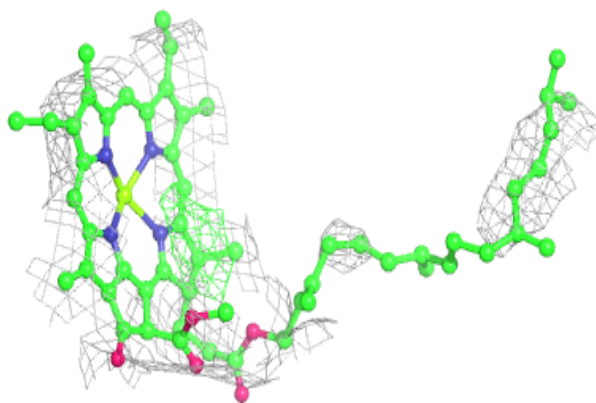
**Electron density around CLA A6 1627:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

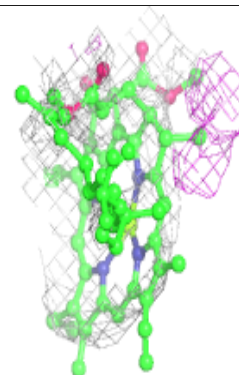
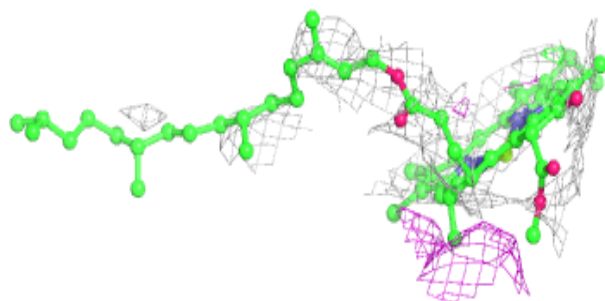
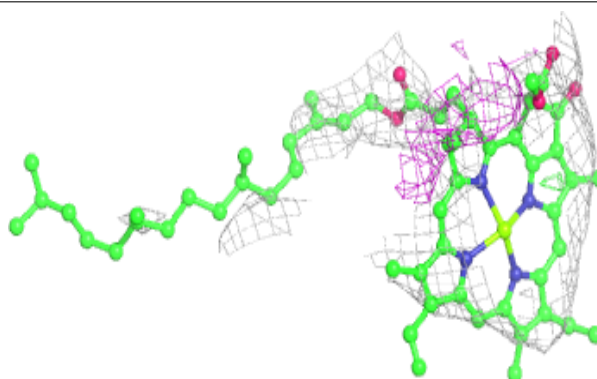


**Electron density around CLA B2 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

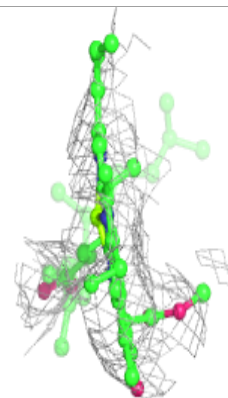
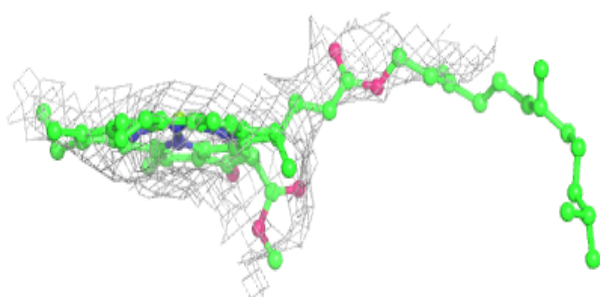
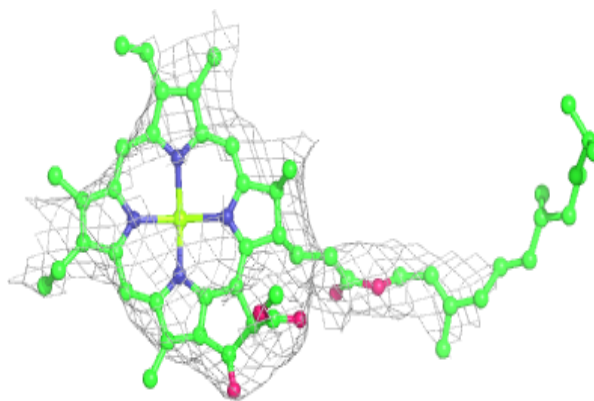
**Electron density around CLA A6 1633:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

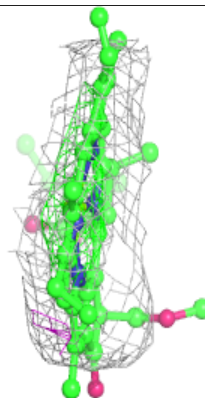
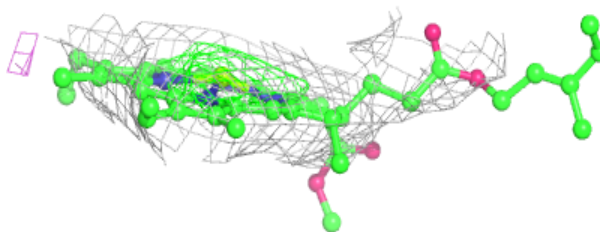
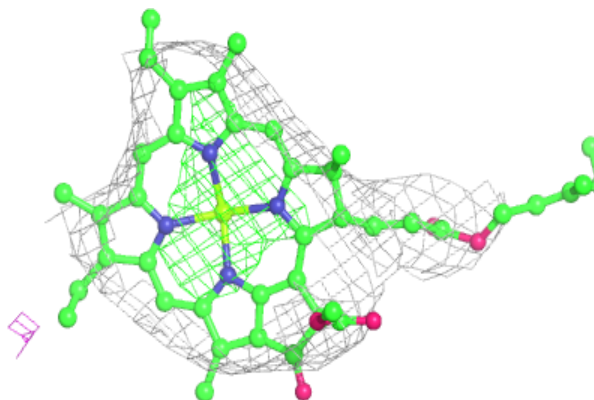


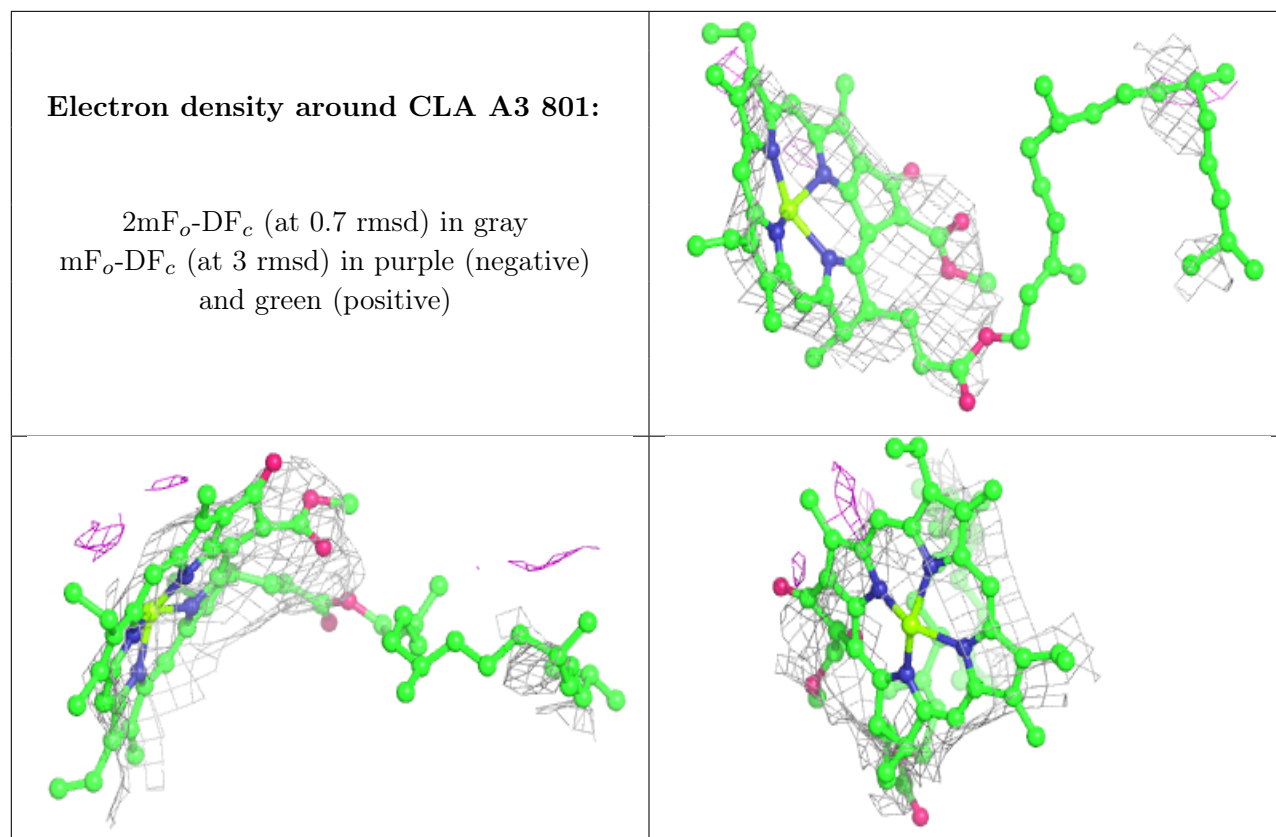
**Electron density around CLA B2 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A6 1636:**

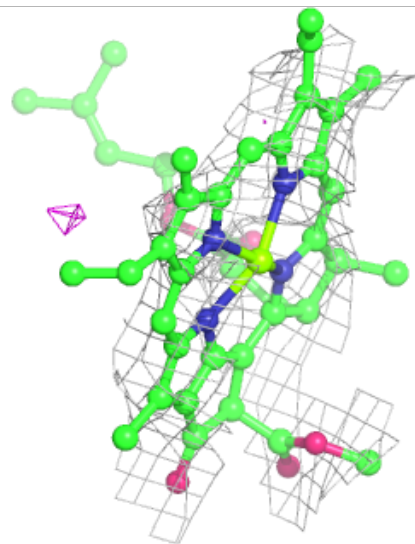
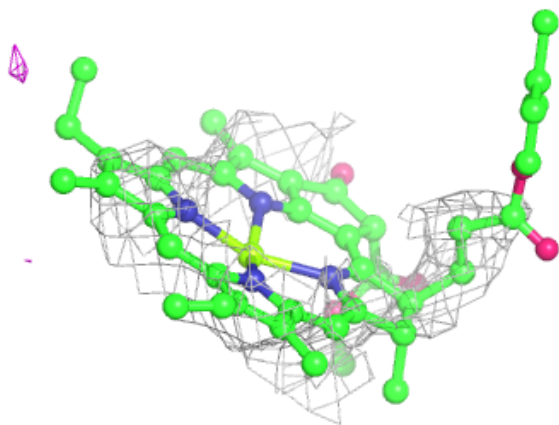
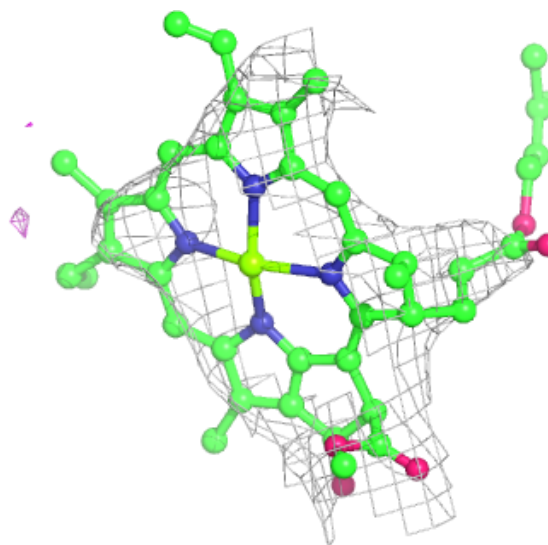
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



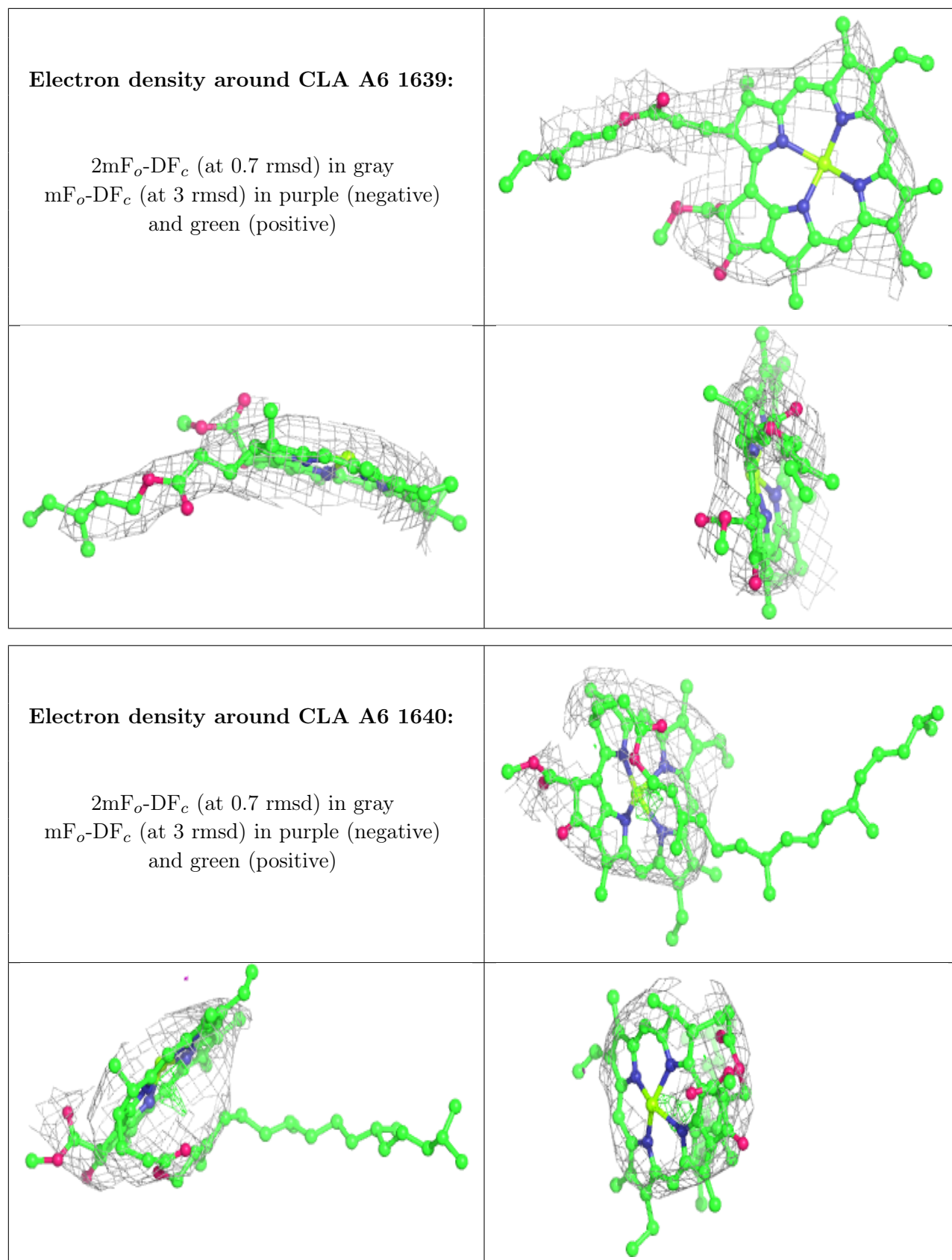


**Electron density around CLA A5 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

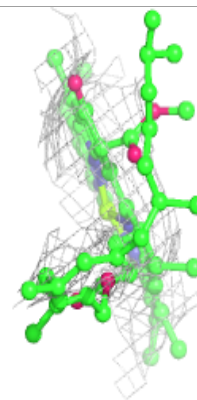
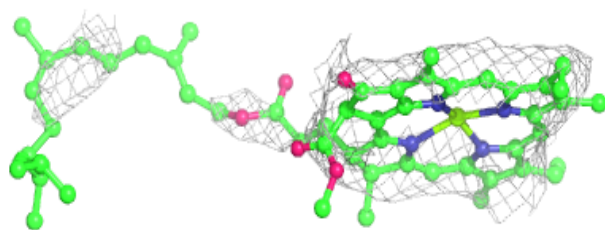
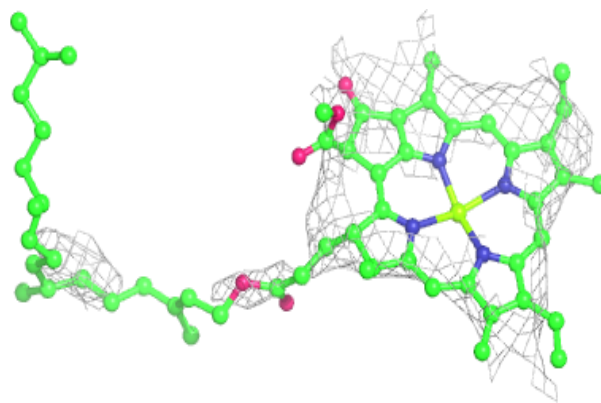




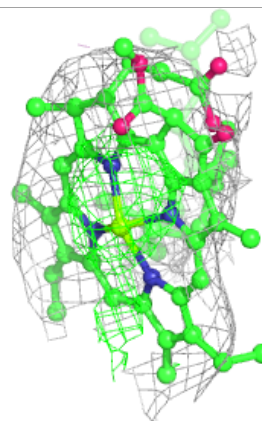
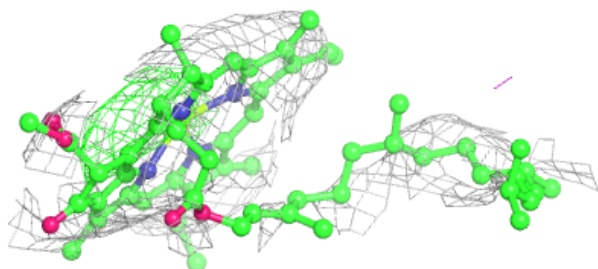
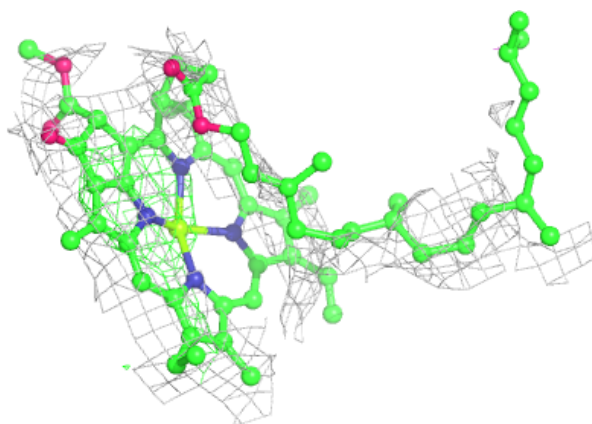


**Electron density around CLA B2 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A4 841:**

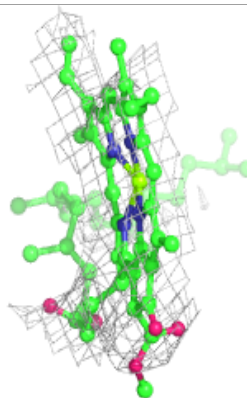
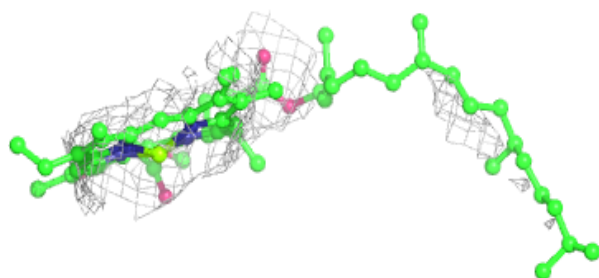
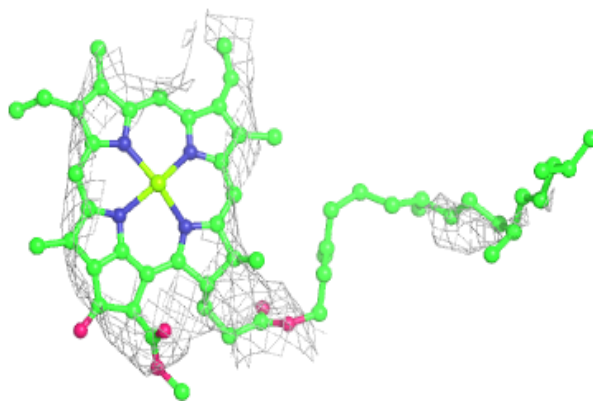
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



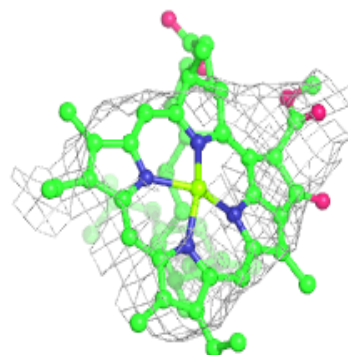
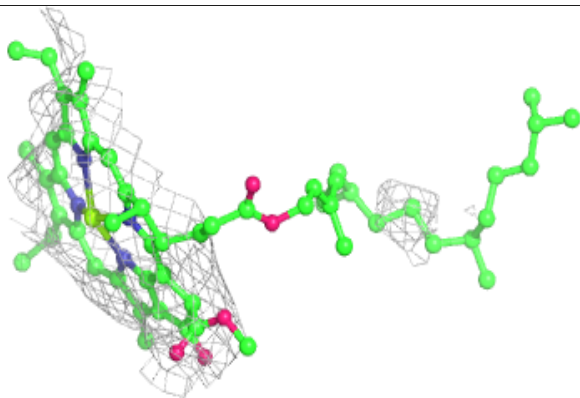
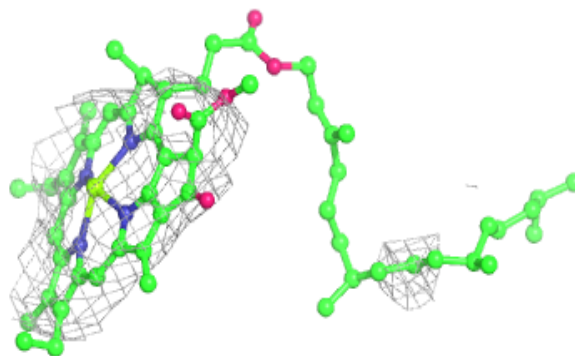


**Electron density around CLA B3 1805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

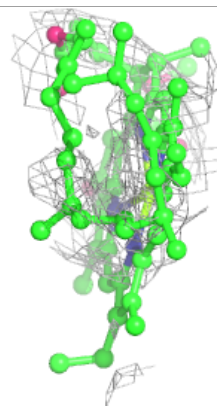
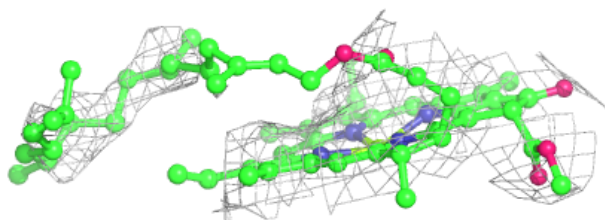
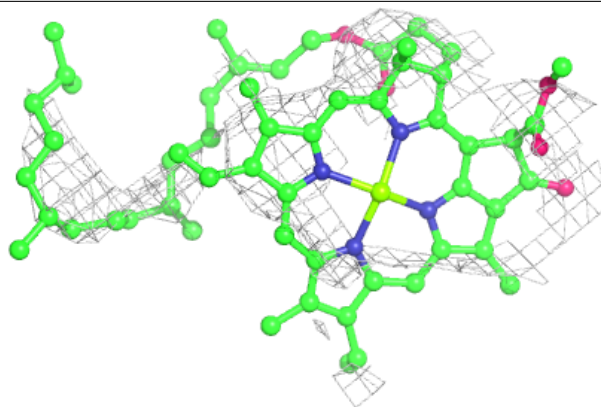
**Electron density around CLA B6 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

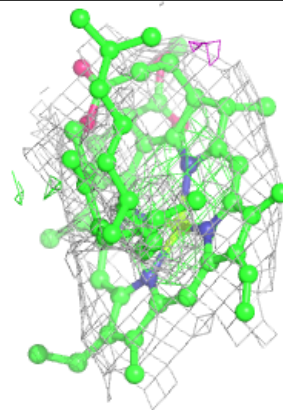
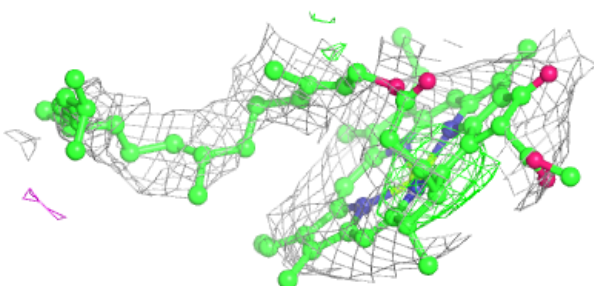
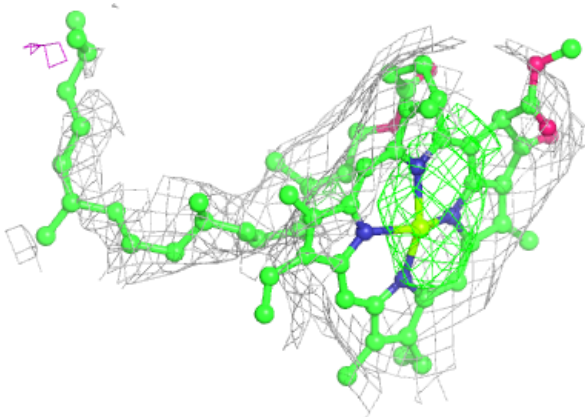


**Electron density around CLA A3 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

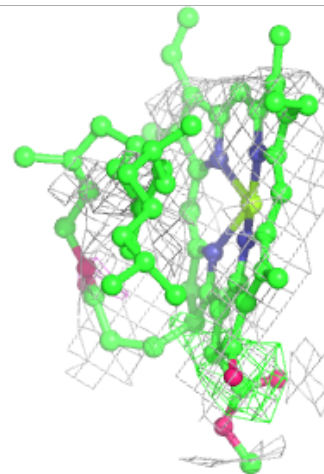
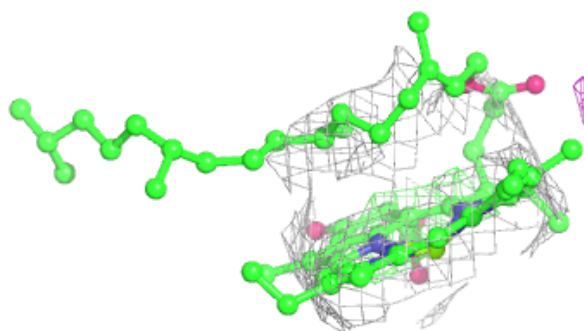
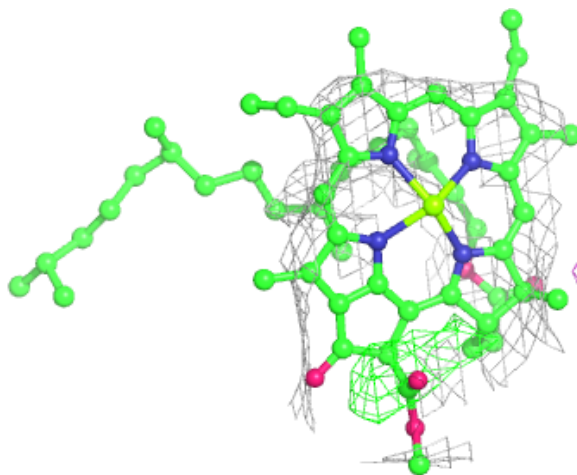
**Electron density around CLA A5 842:**

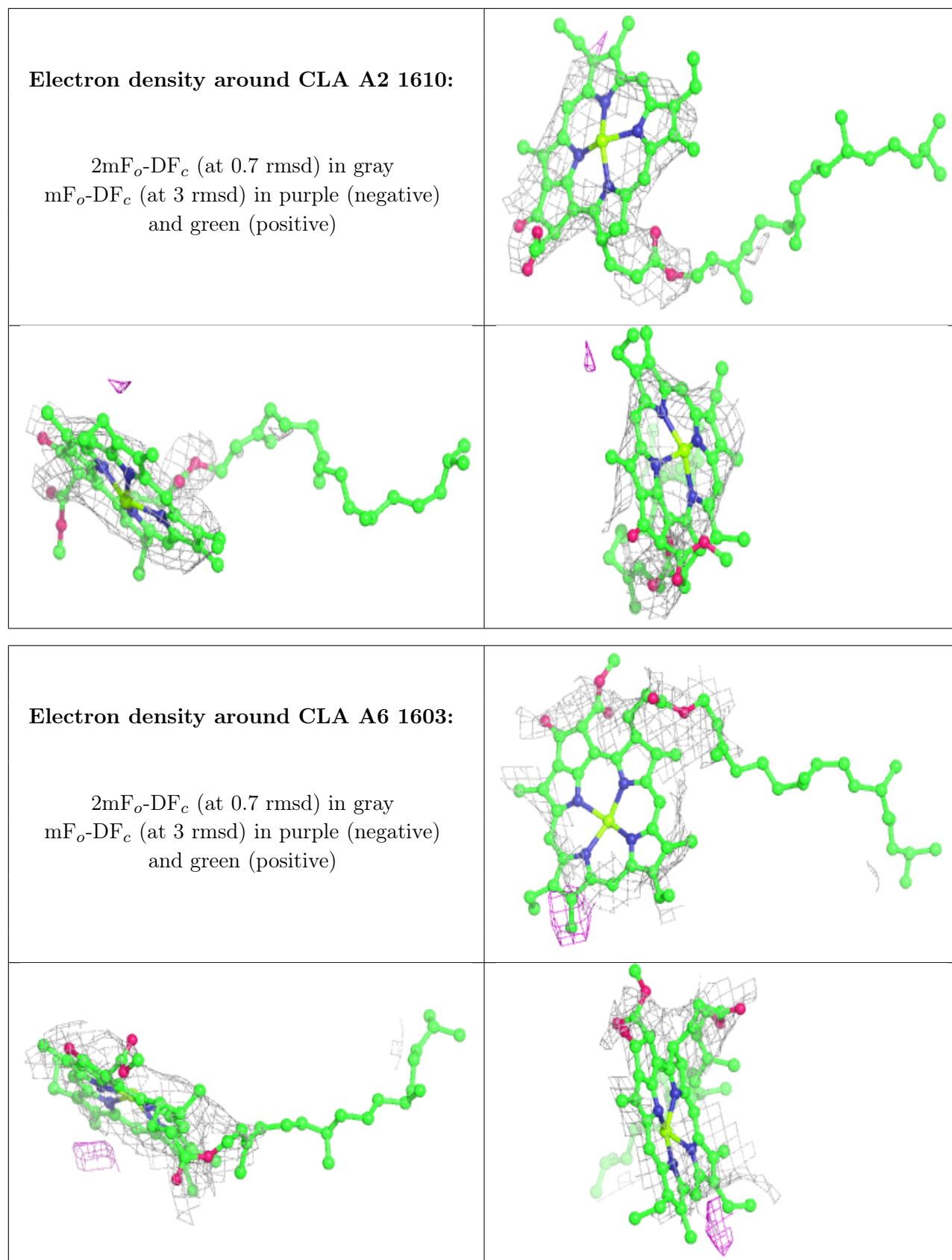
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

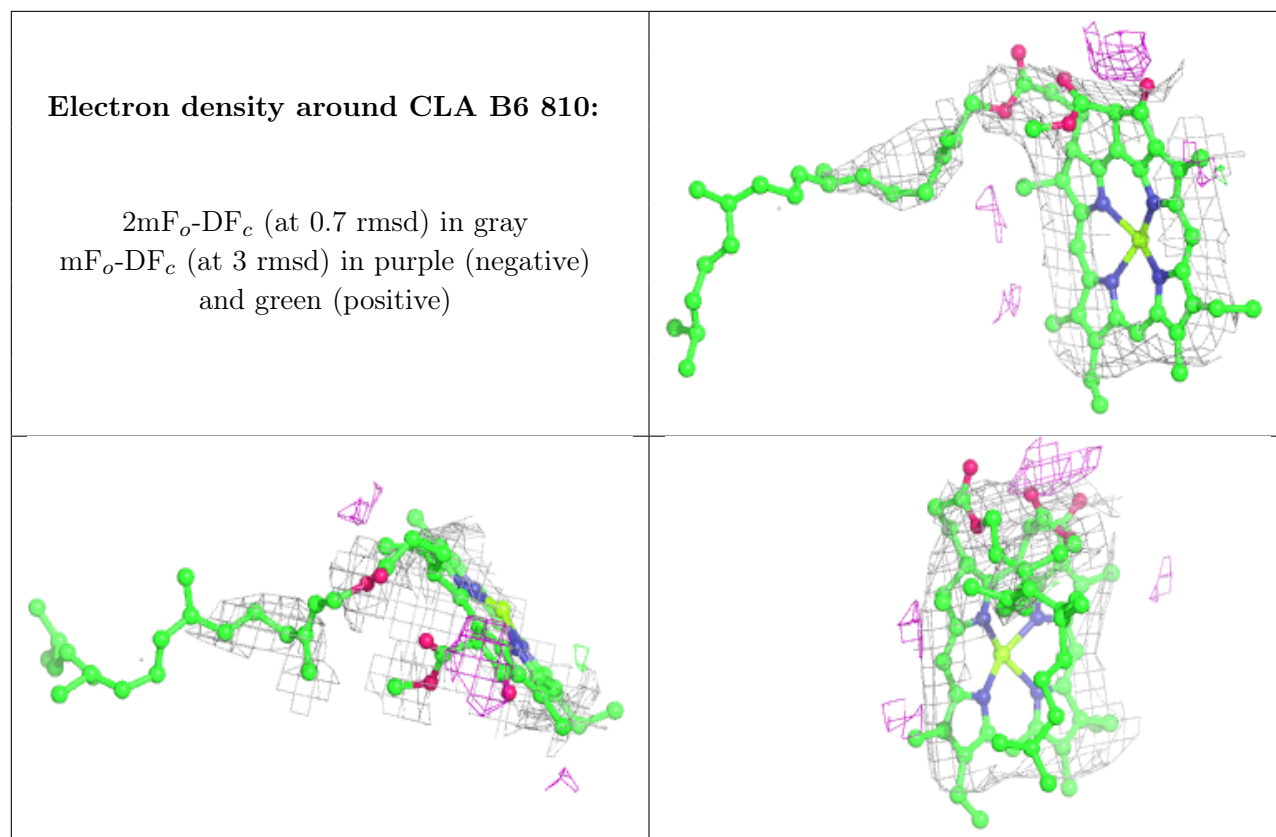


**Electron density around CLA B2 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

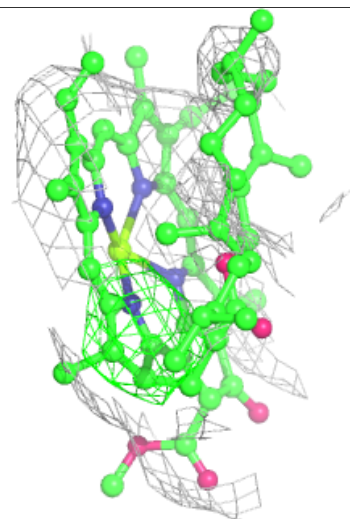
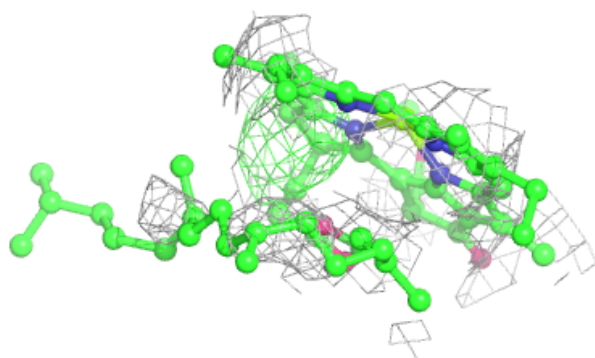
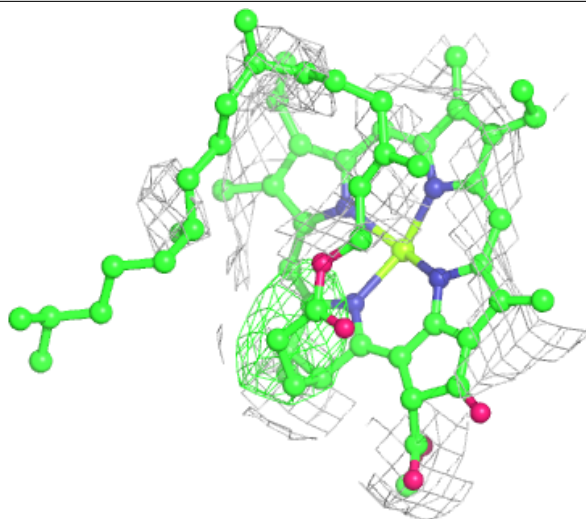




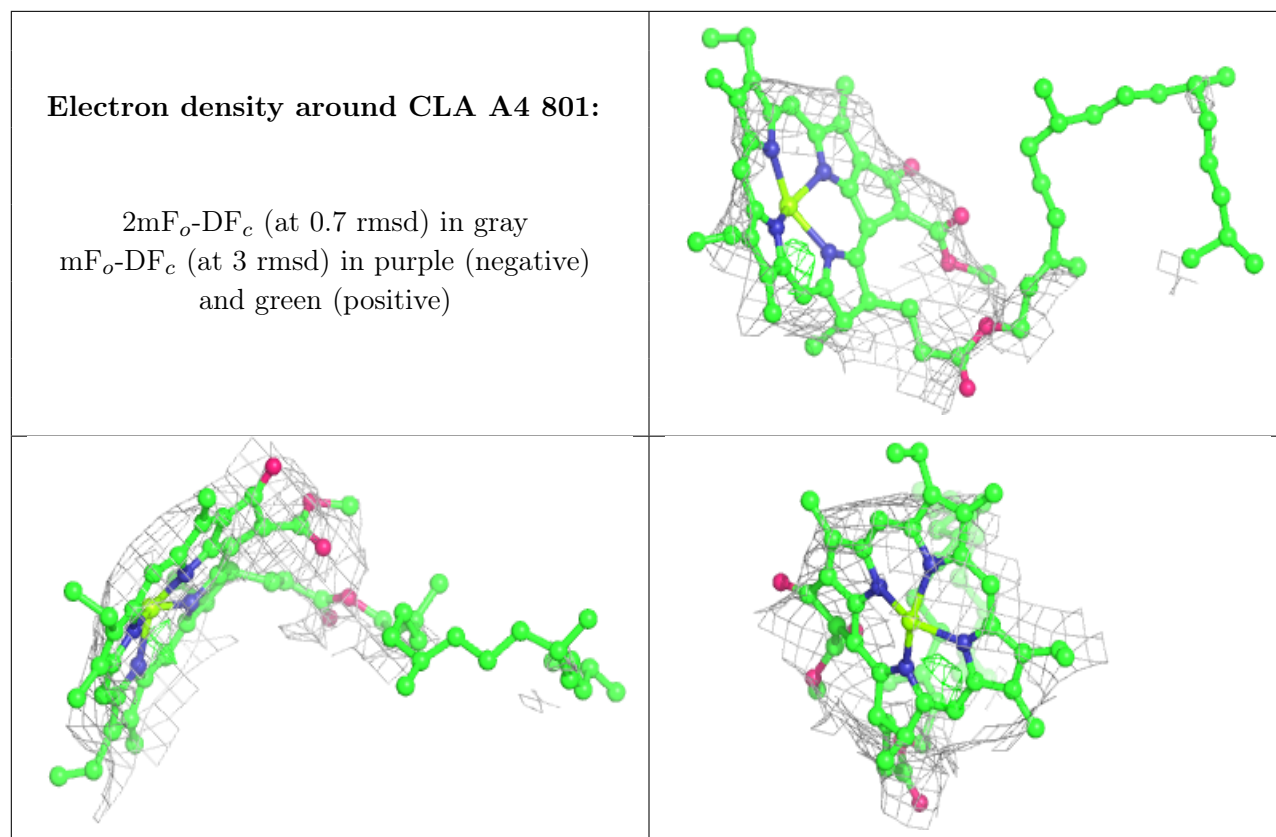


**Electron density around CLA B3 1810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

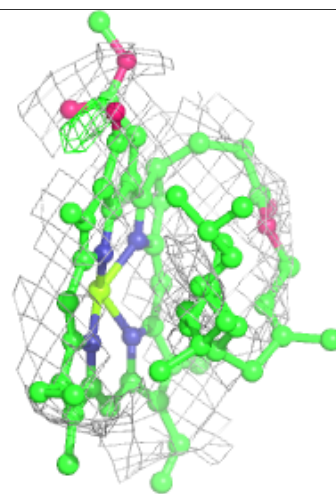
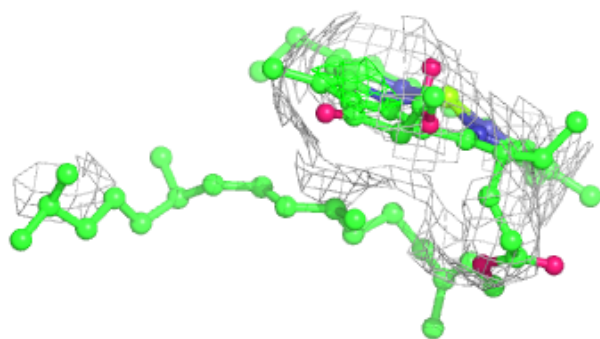
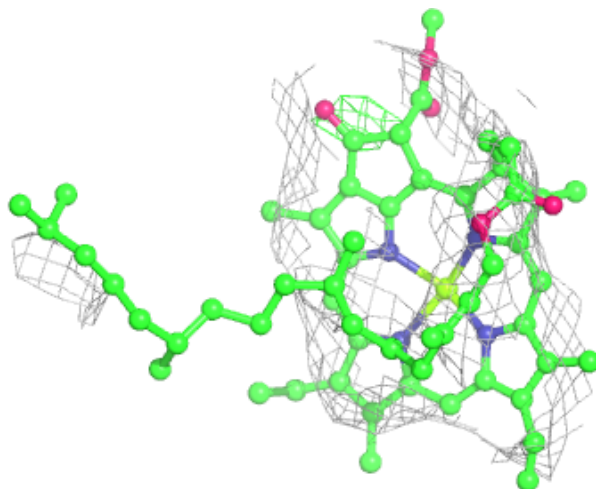






**Electron density around CLA B4 829:**

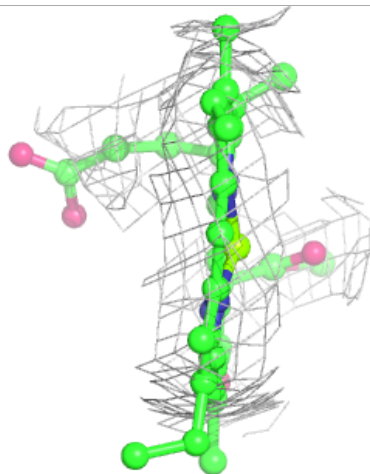
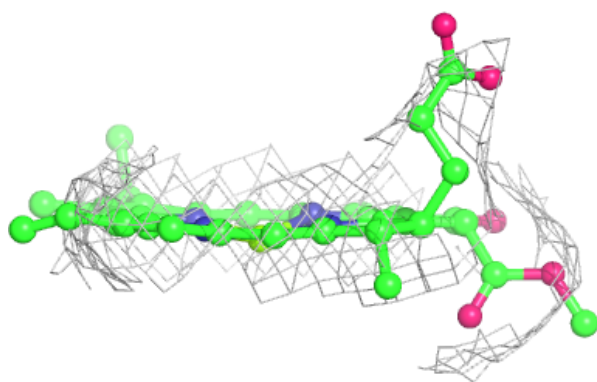
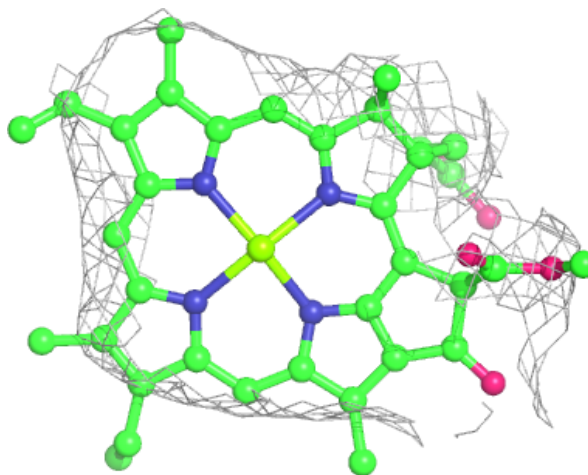
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

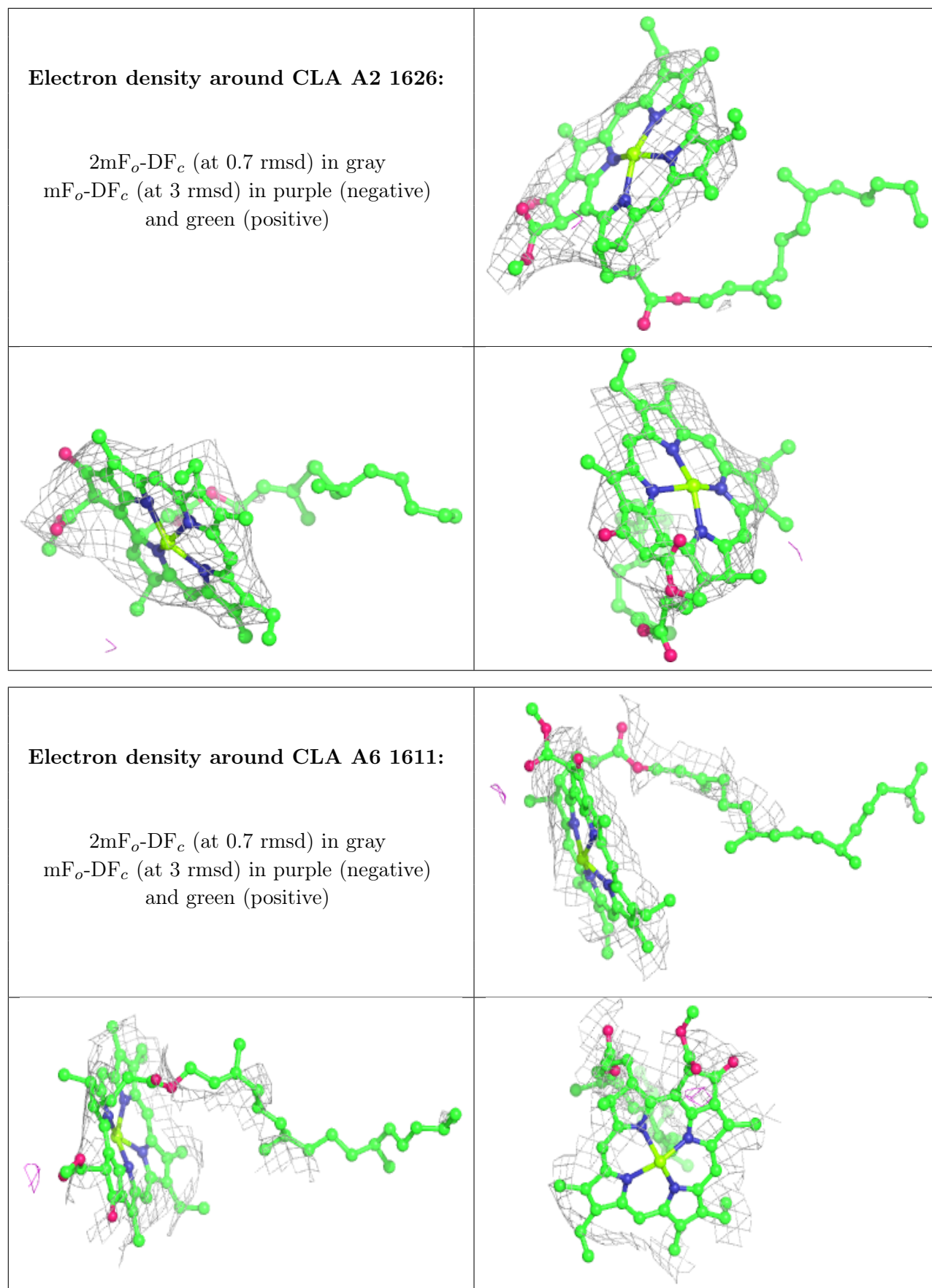




**Electron density around CLA B2 811:**

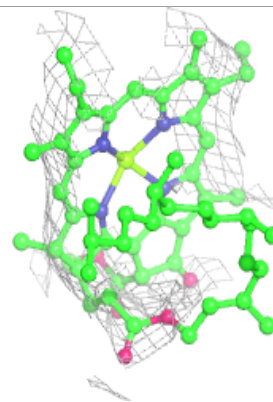
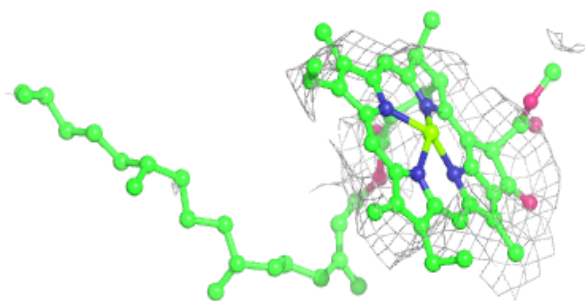
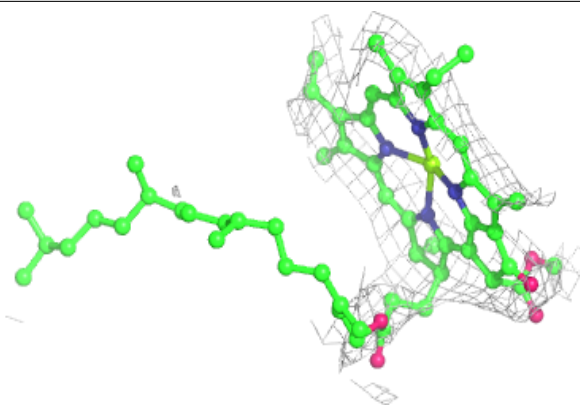
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



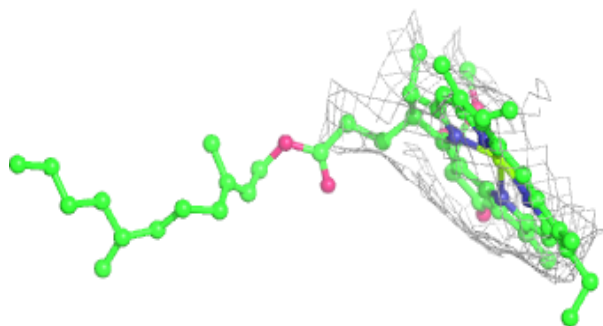
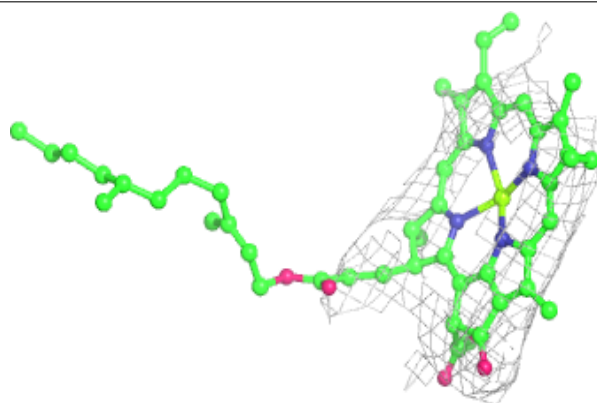


**Electron density around CLA B2 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

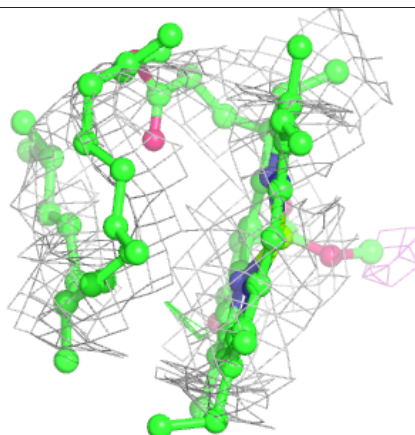
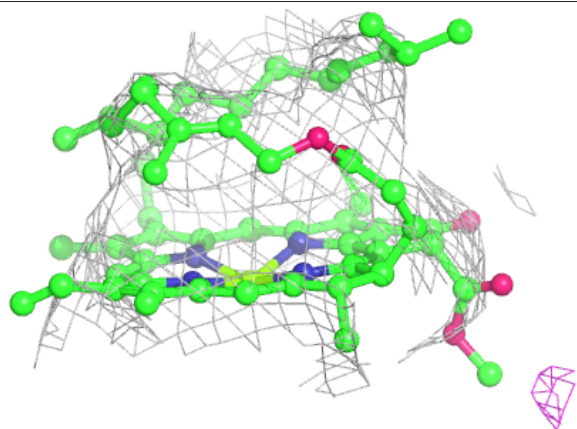
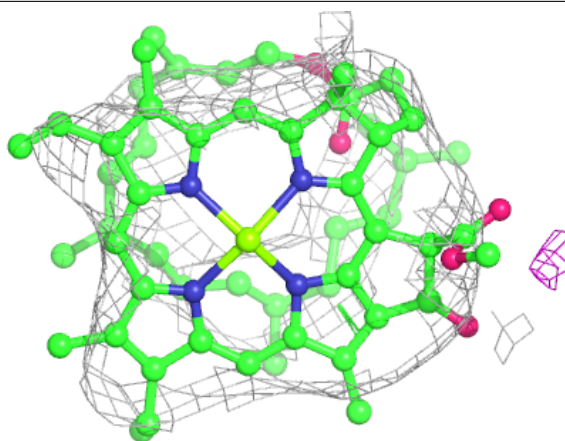
**Electron density around CLA B2 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

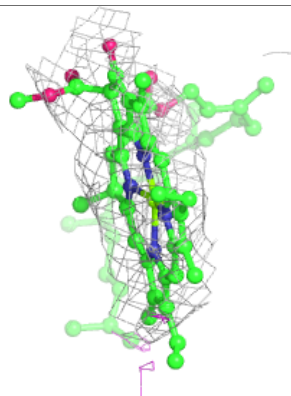
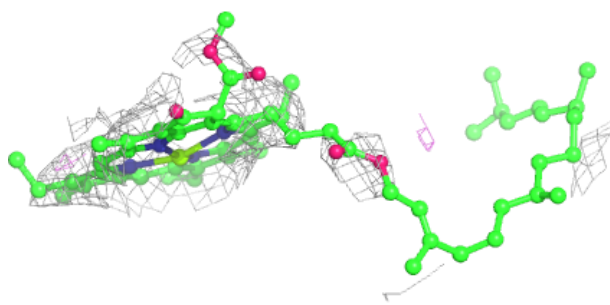
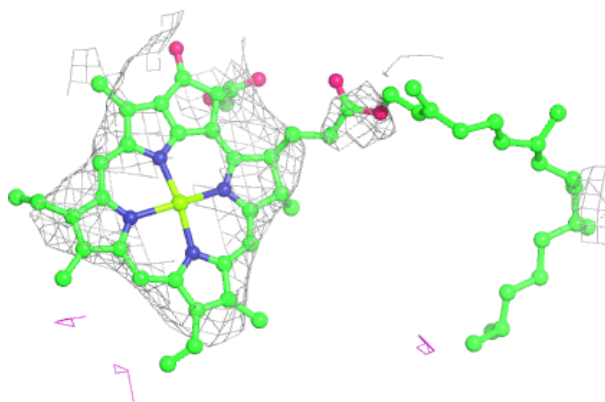


**Electron density around CLA L5 204:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

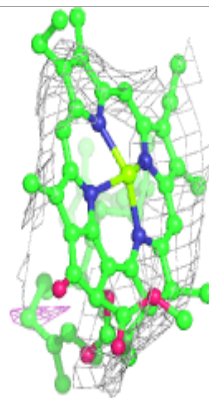
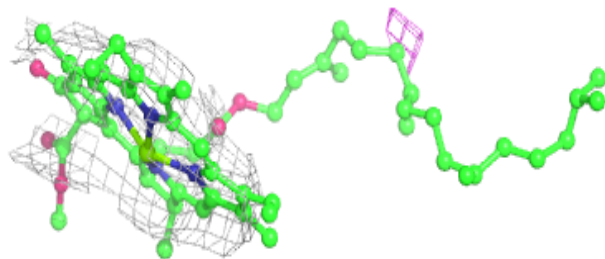
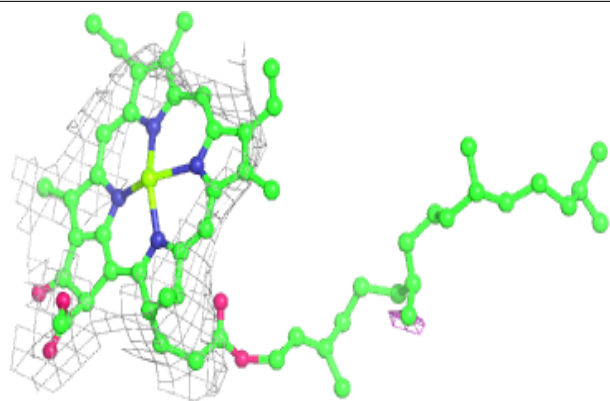
**Electron density around CLA A3 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

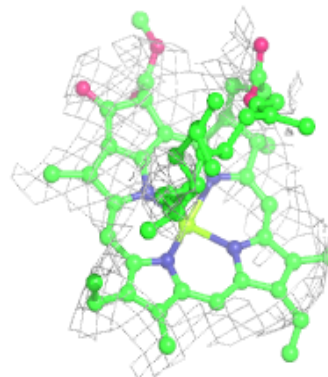
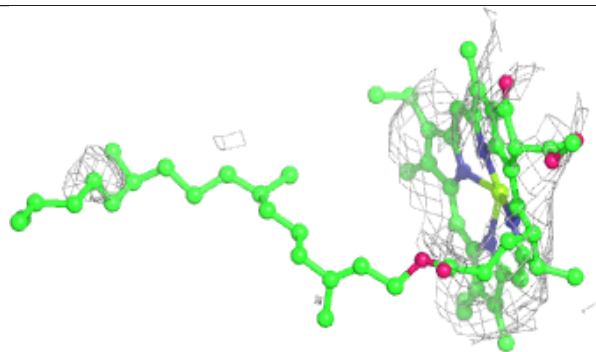
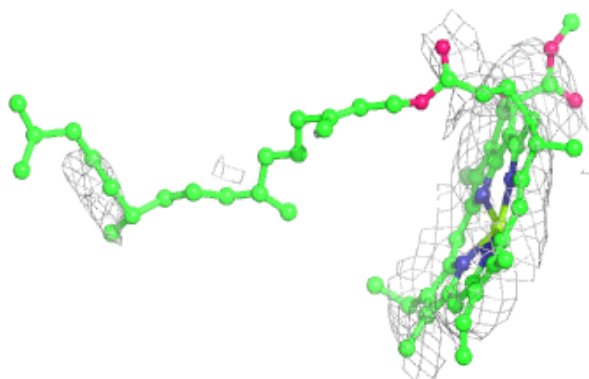


**Electron density around CLA A4 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A3 811:**

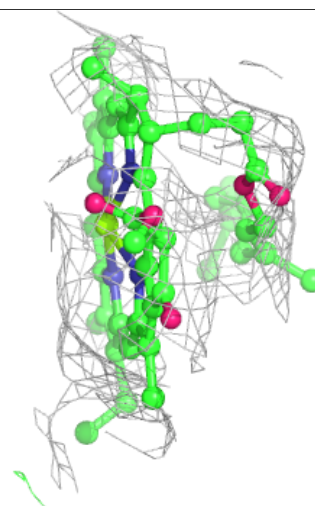
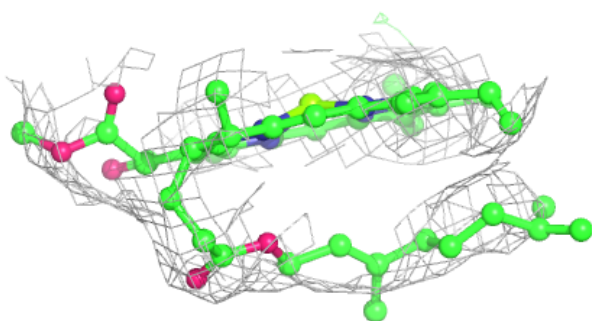
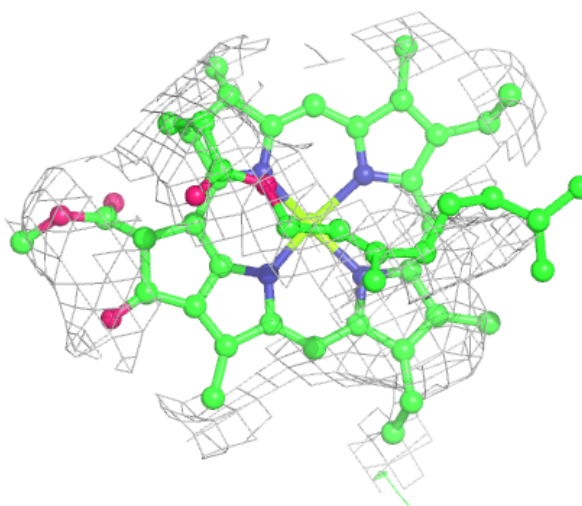
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

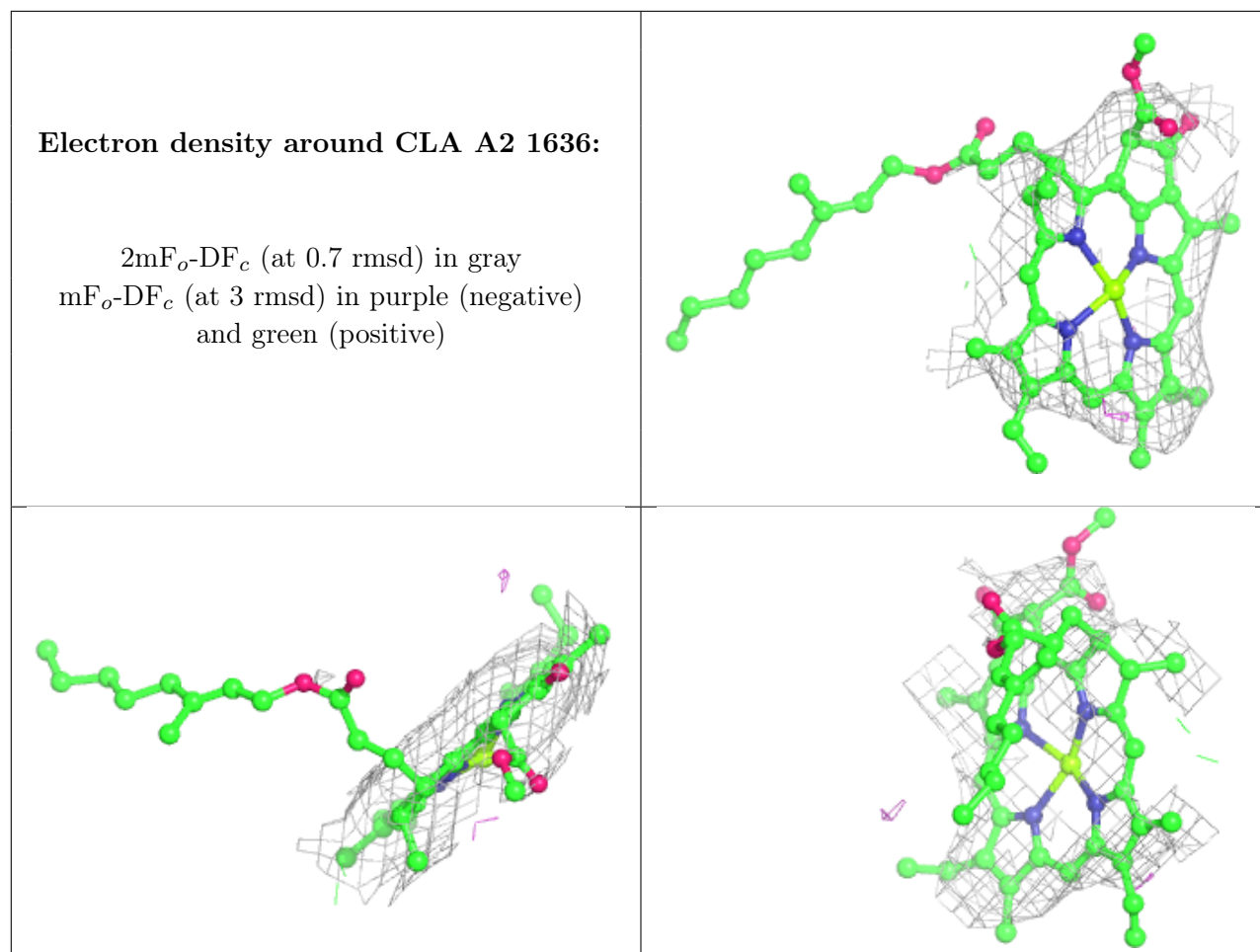


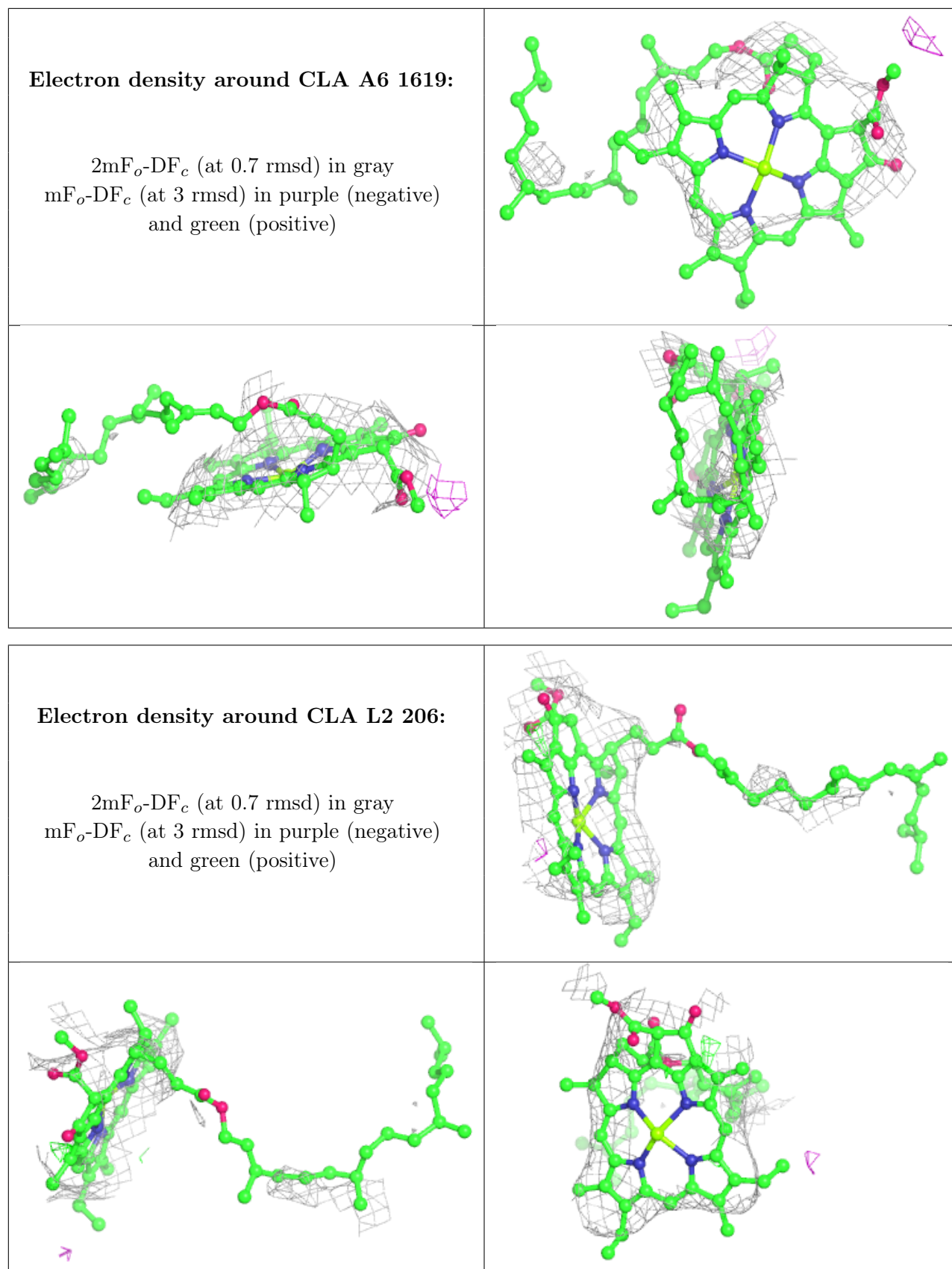


**Electron density around CLA B6 822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



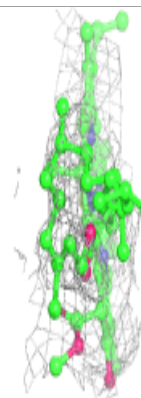
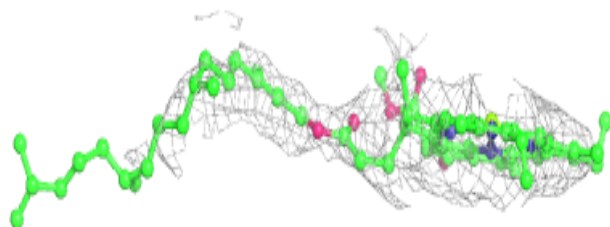
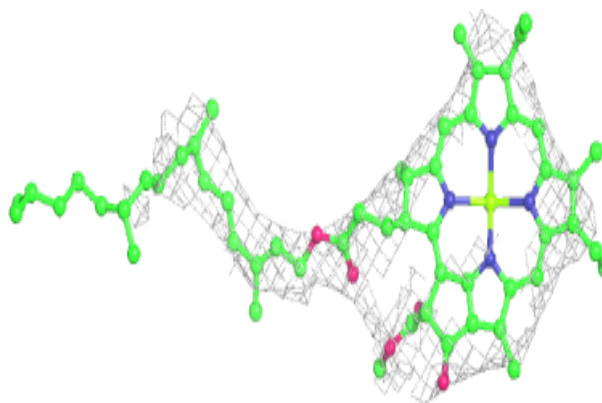




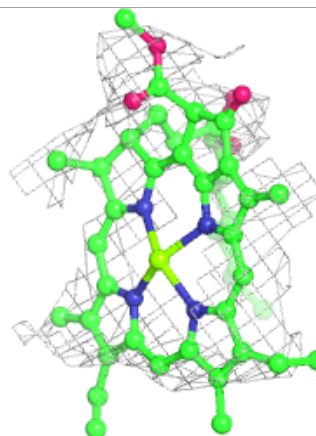
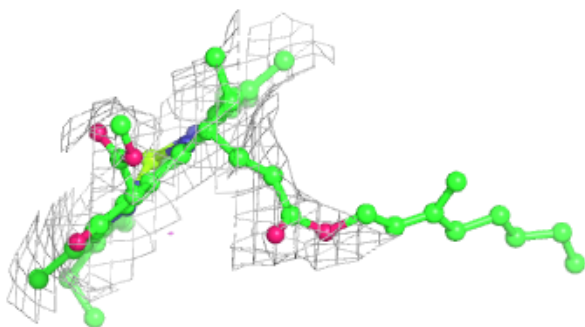
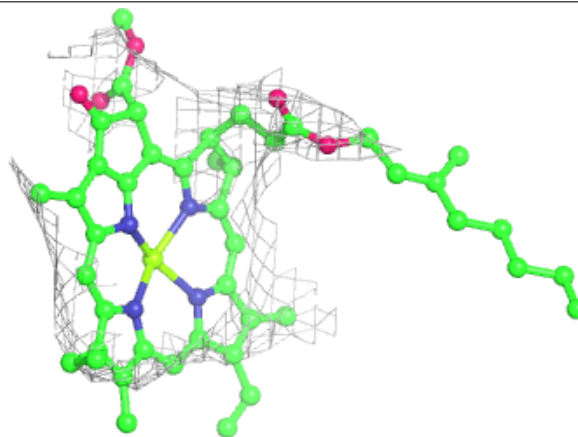


**Electron density around CLA A4 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

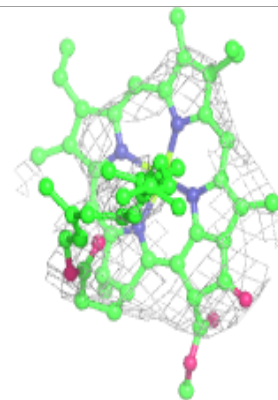
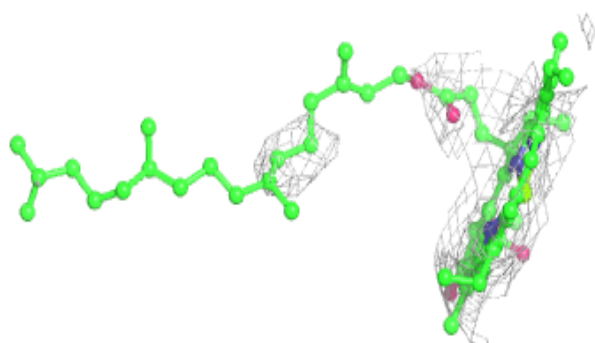
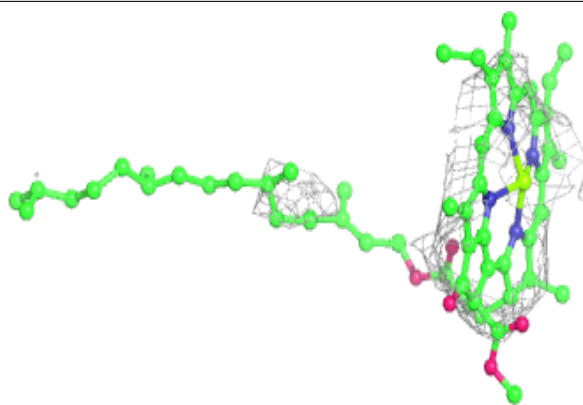
**Electron density around CLA A4 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

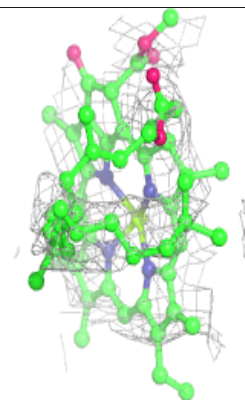
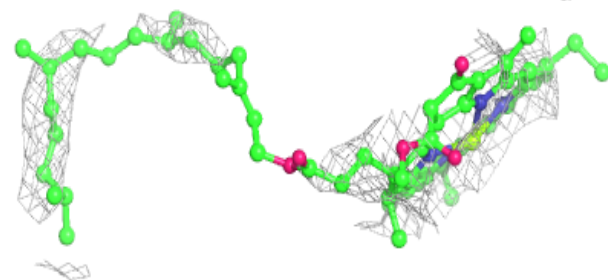
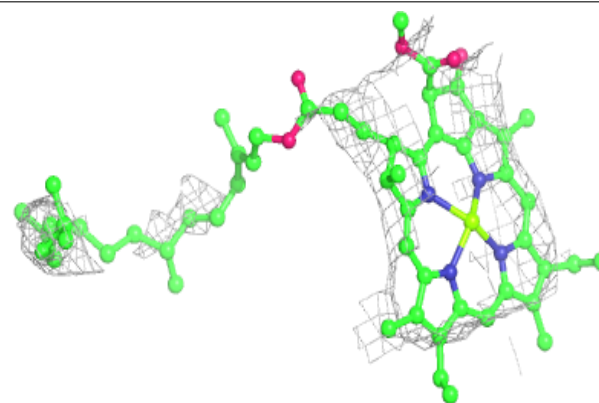


**Electron density around CLA B6 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

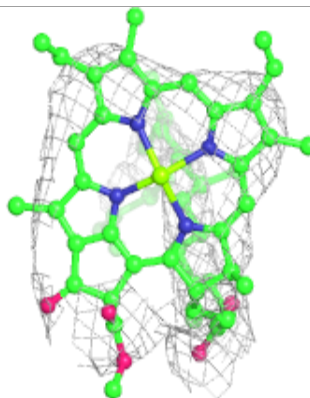
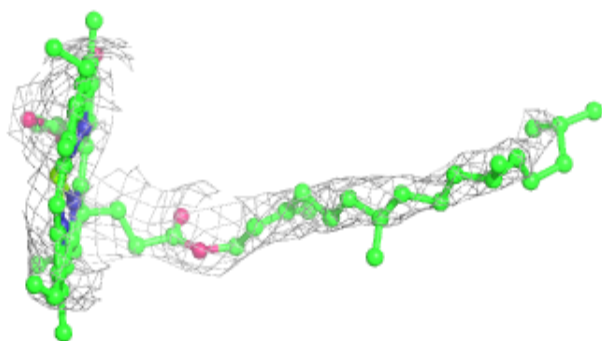
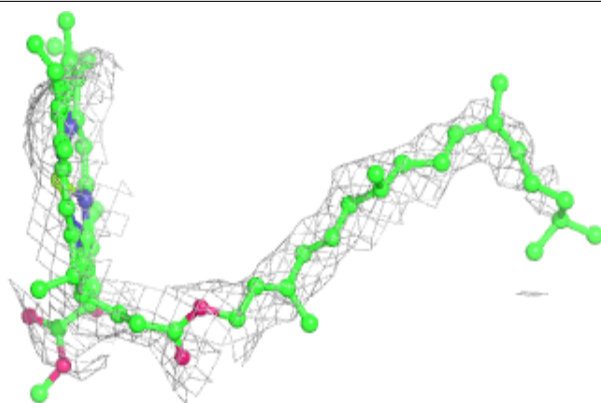
**Electron density around CLA B2 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

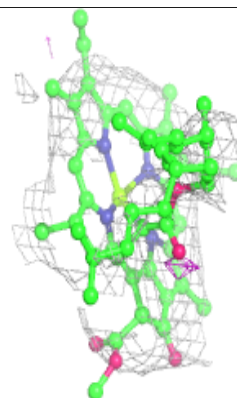
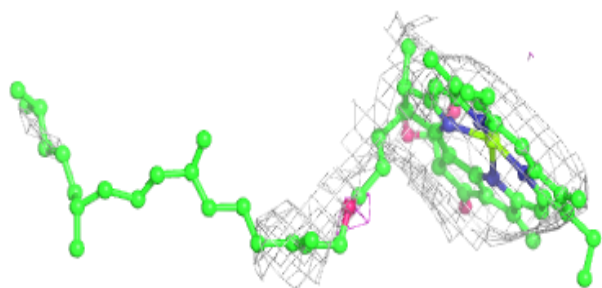
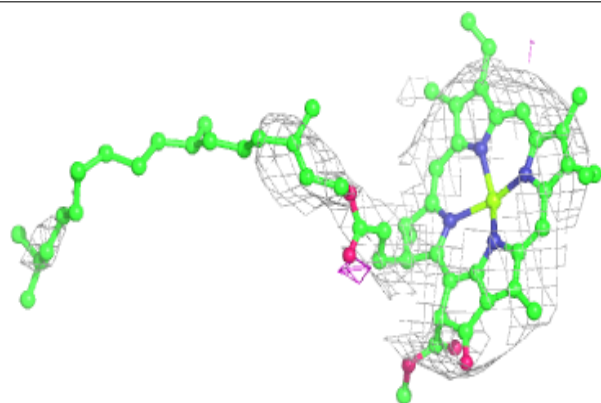


**Electron density around CLA B3 1843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

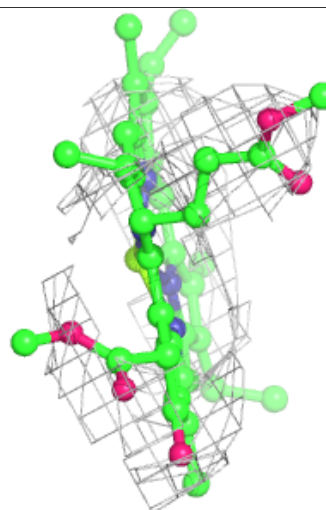
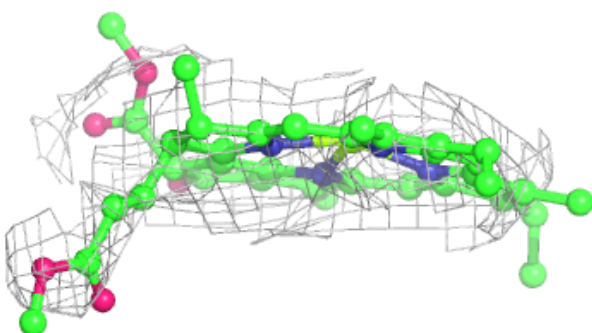
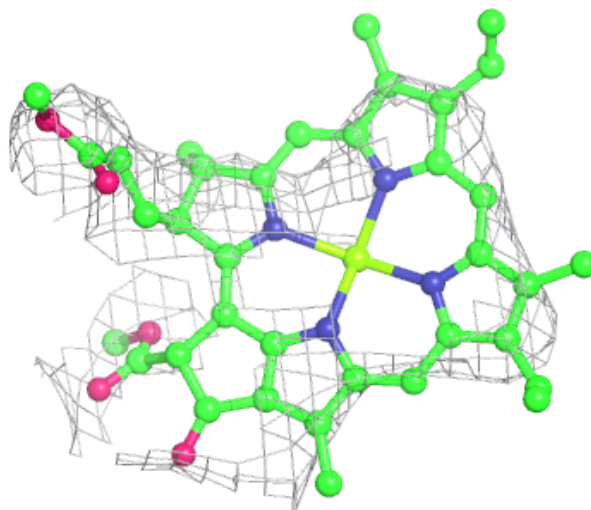
**Electron density around CLA A3 821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



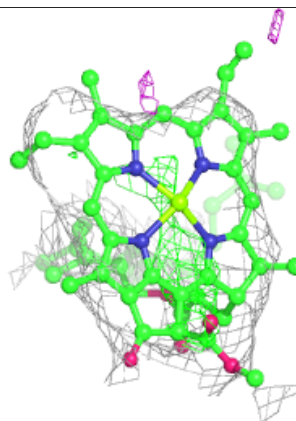
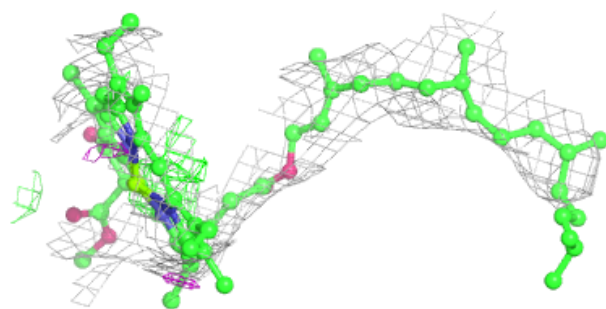
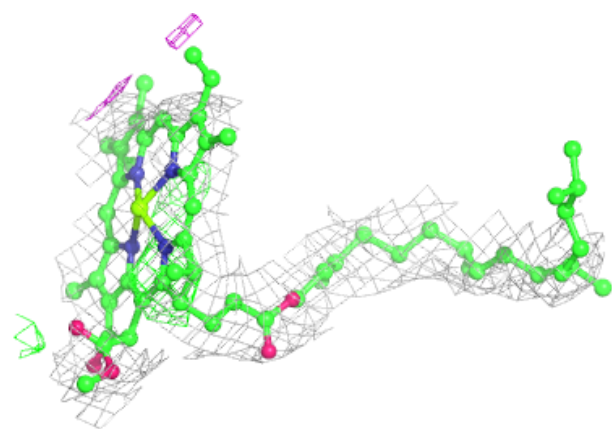
**Electron density around CLA B3 1827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

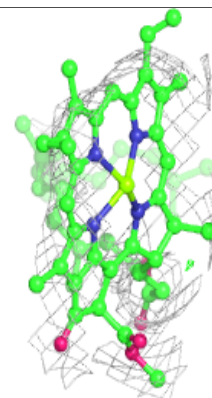
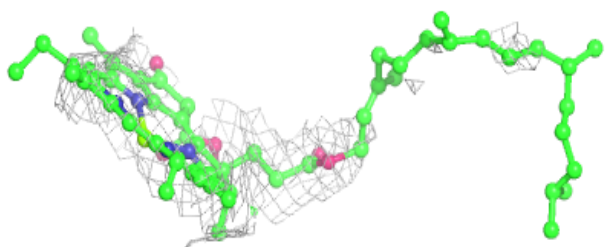
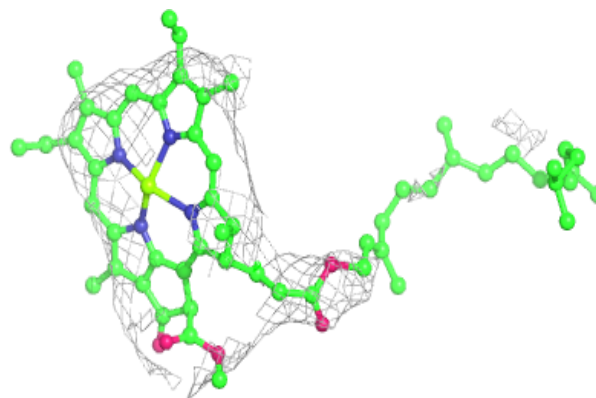


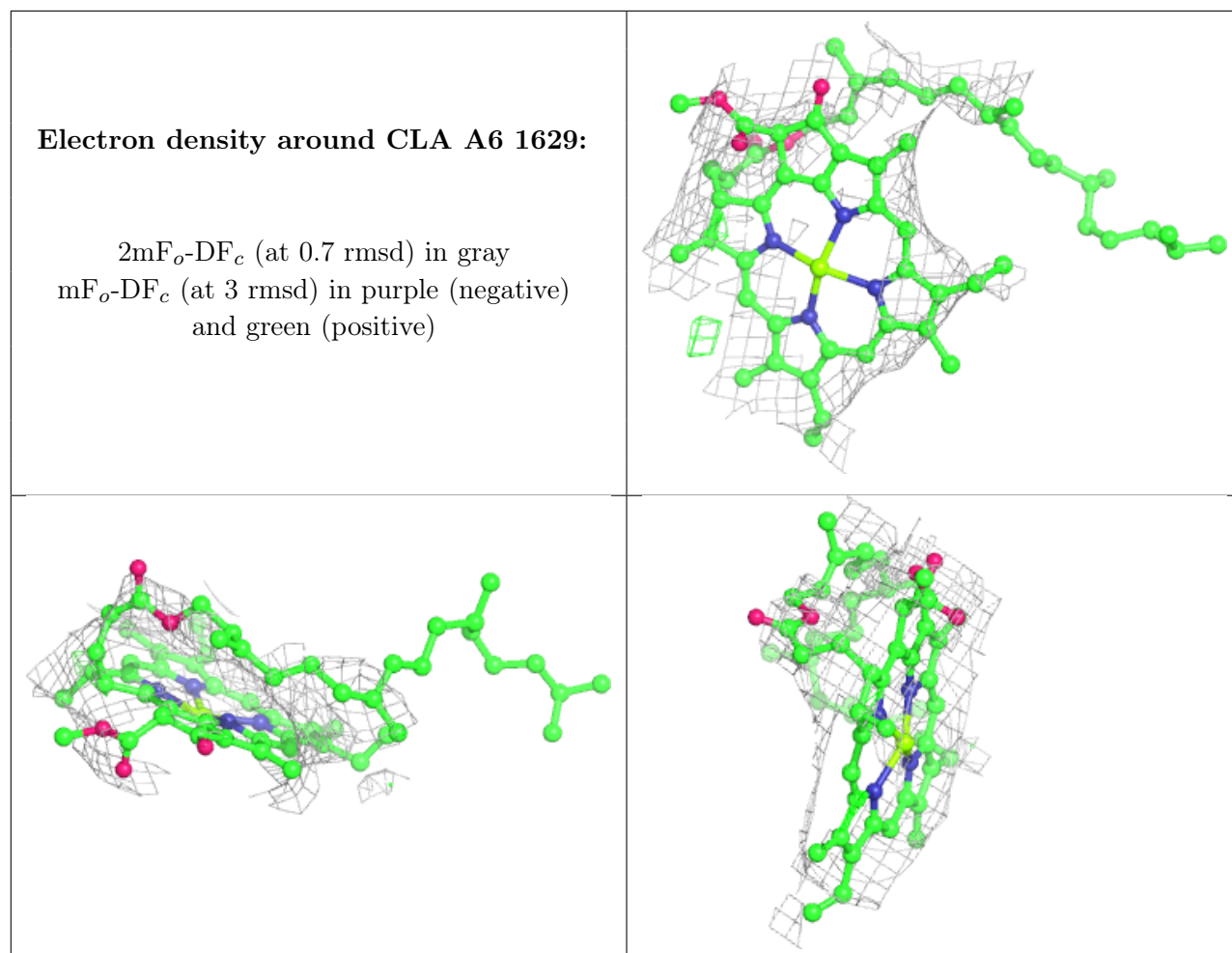
**Electron density around CLA L4 204:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B3 1811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

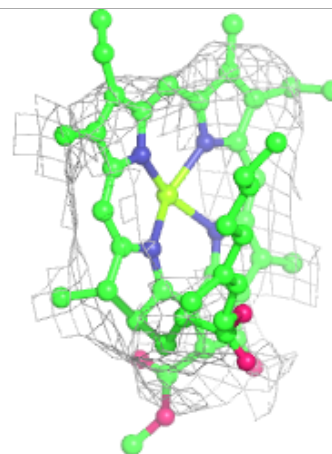
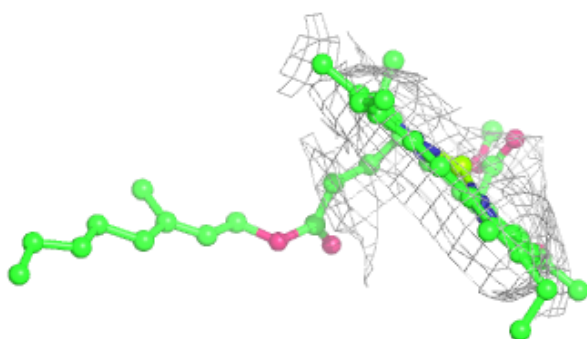
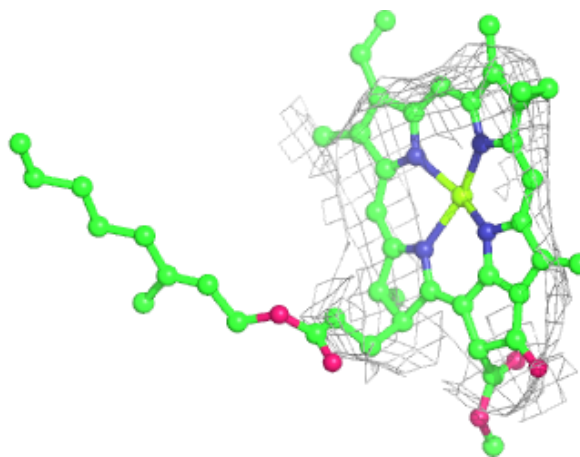






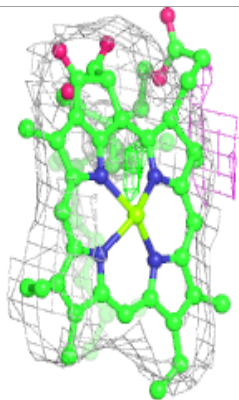
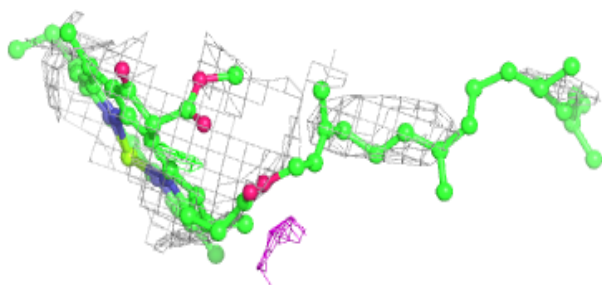
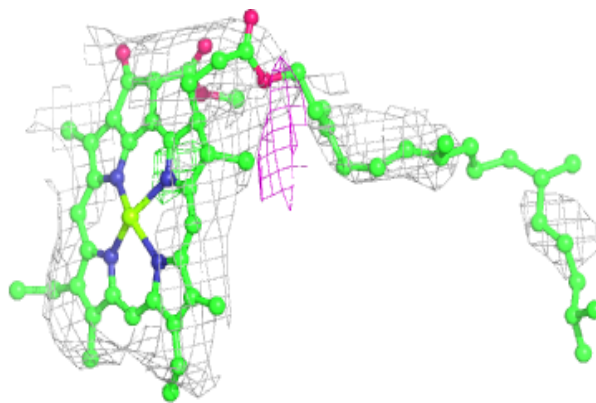
**Electron density around CLA A5 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

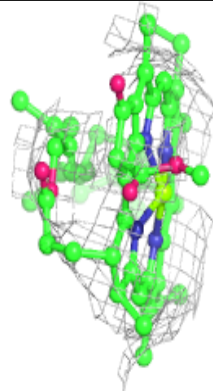
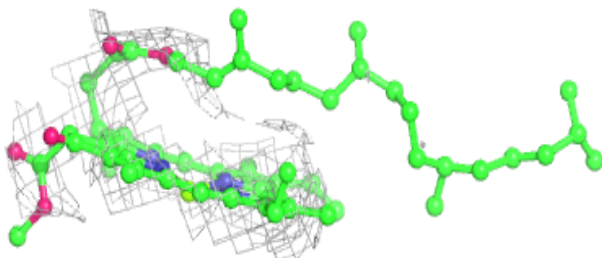
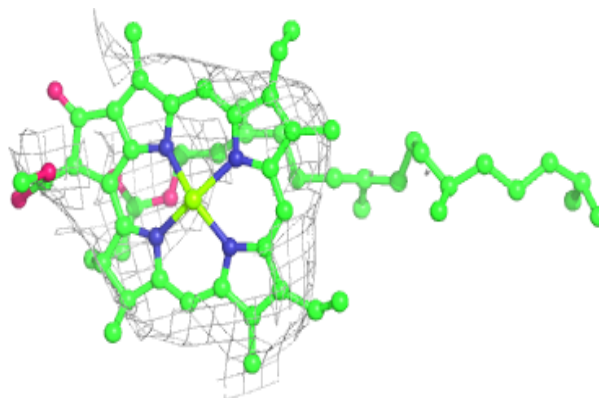


**Electron density around CLA B3 1812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A2 1639:**

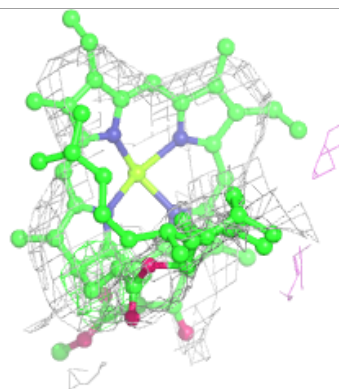
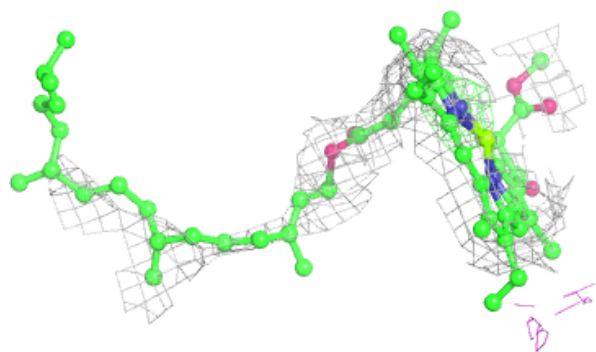
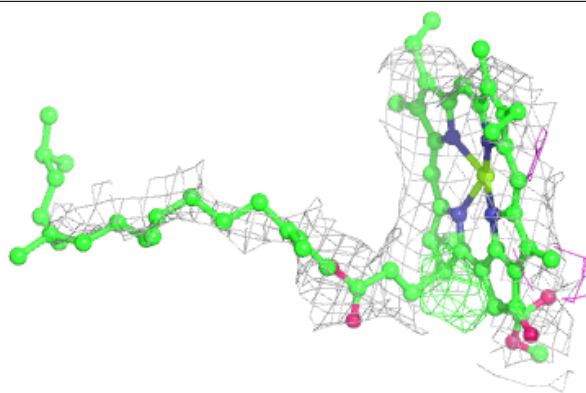
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



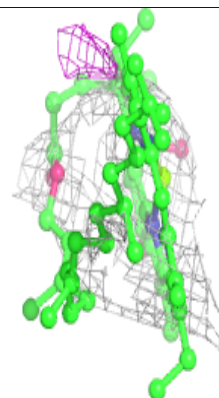
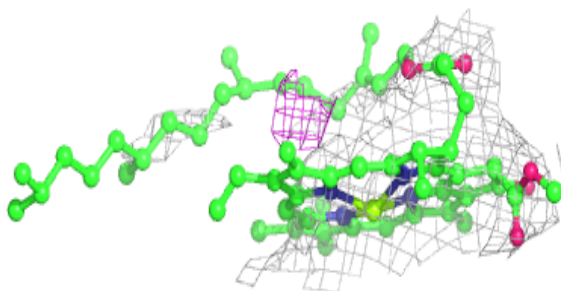
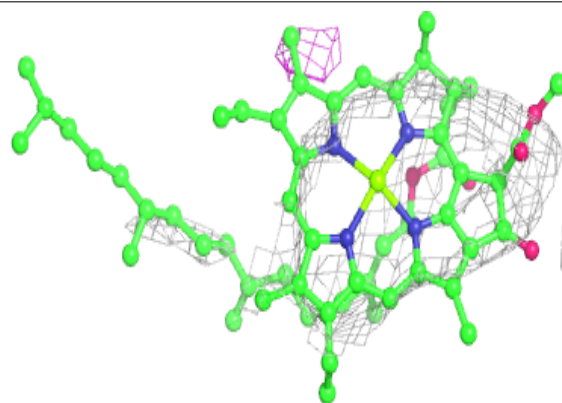


**Electron density around CLA L3 204:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

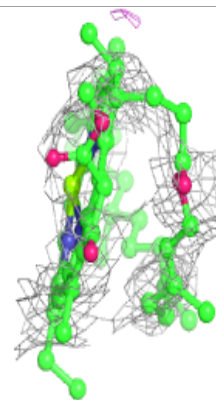
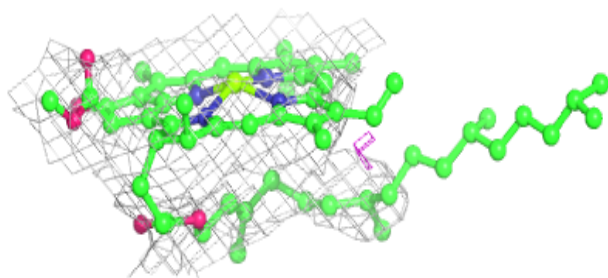
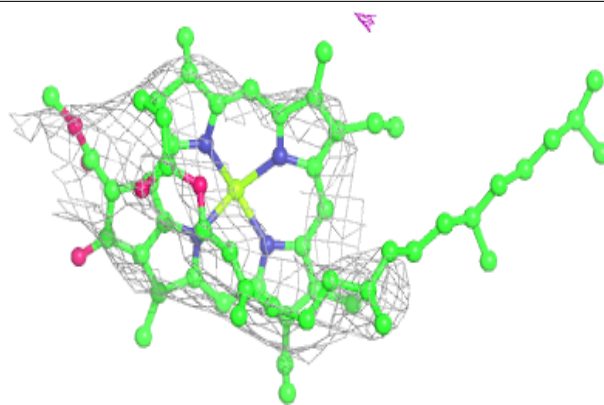
**Electron density around CLA A3 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

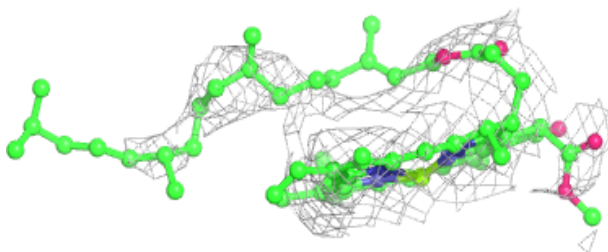
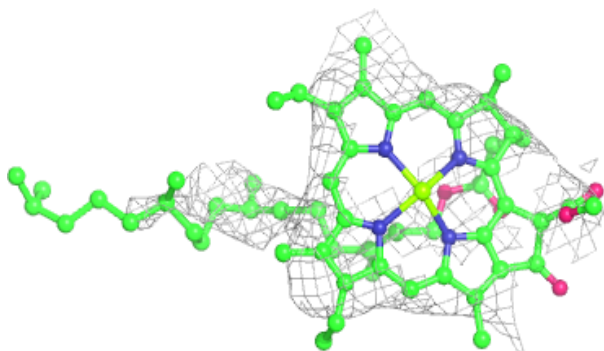


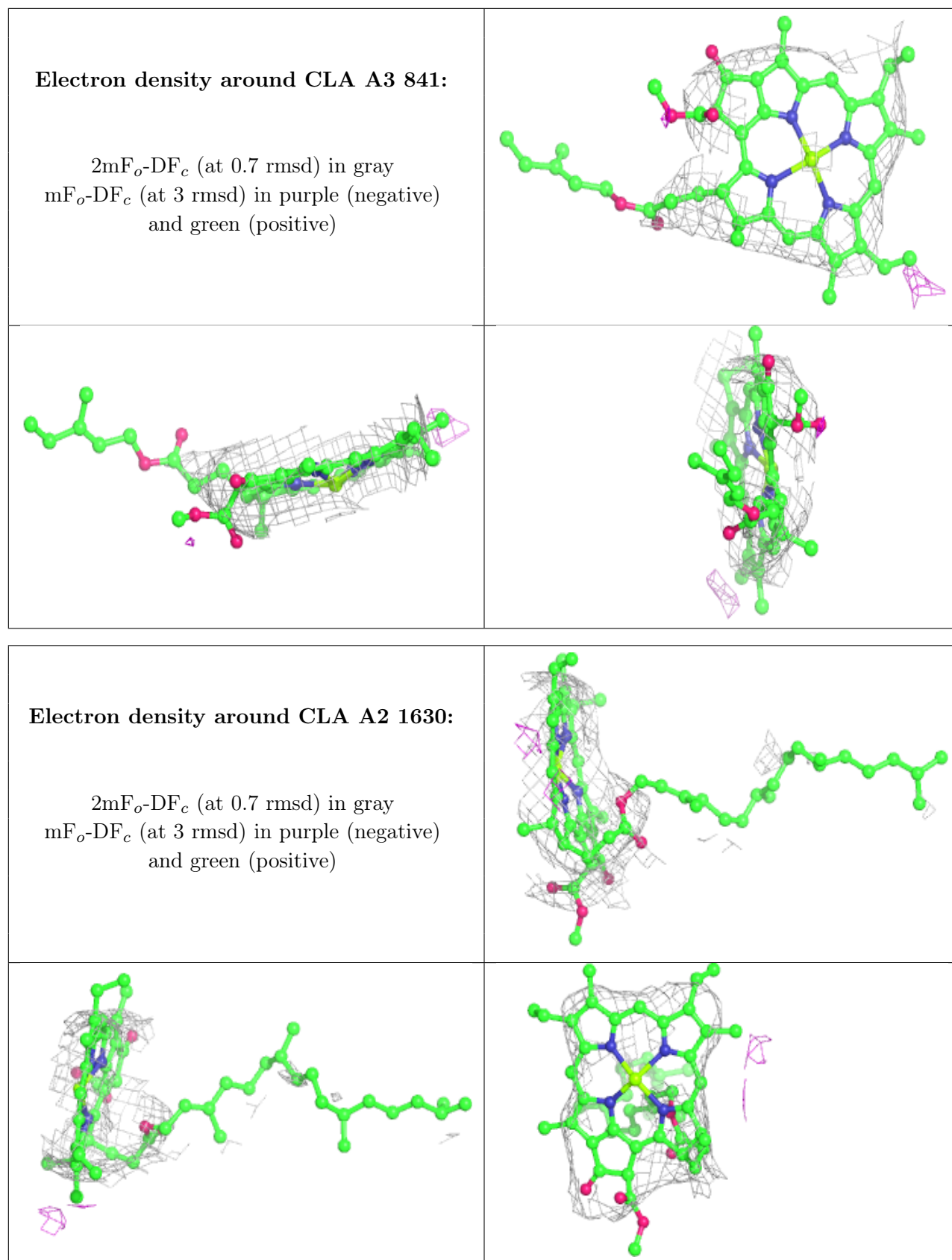
**Electron density around CLA A5 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A6 1637:**

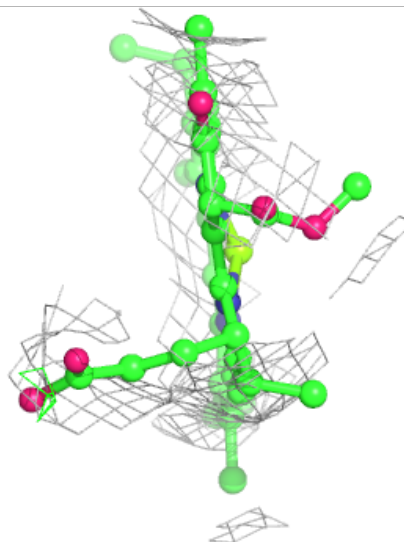
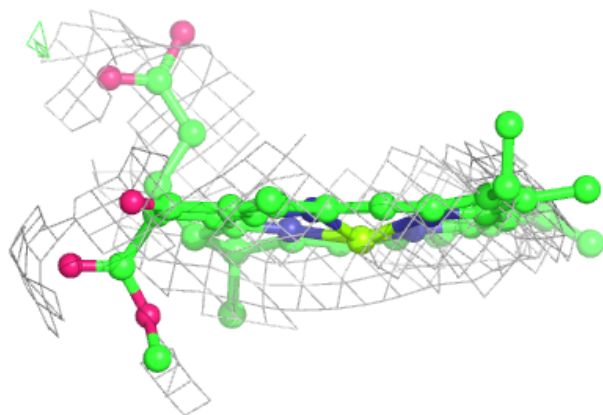
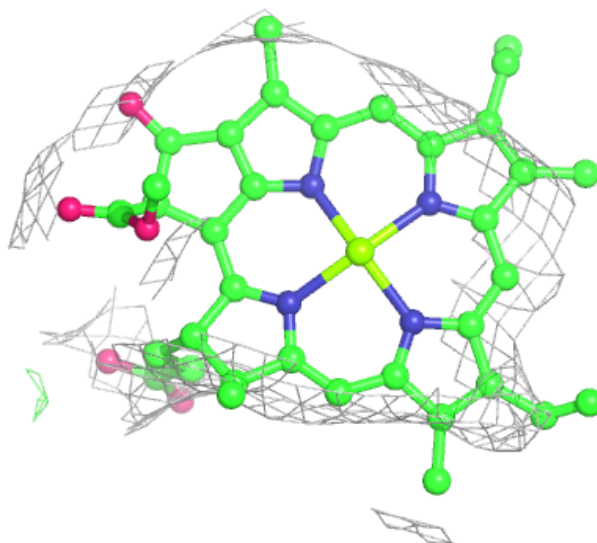
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

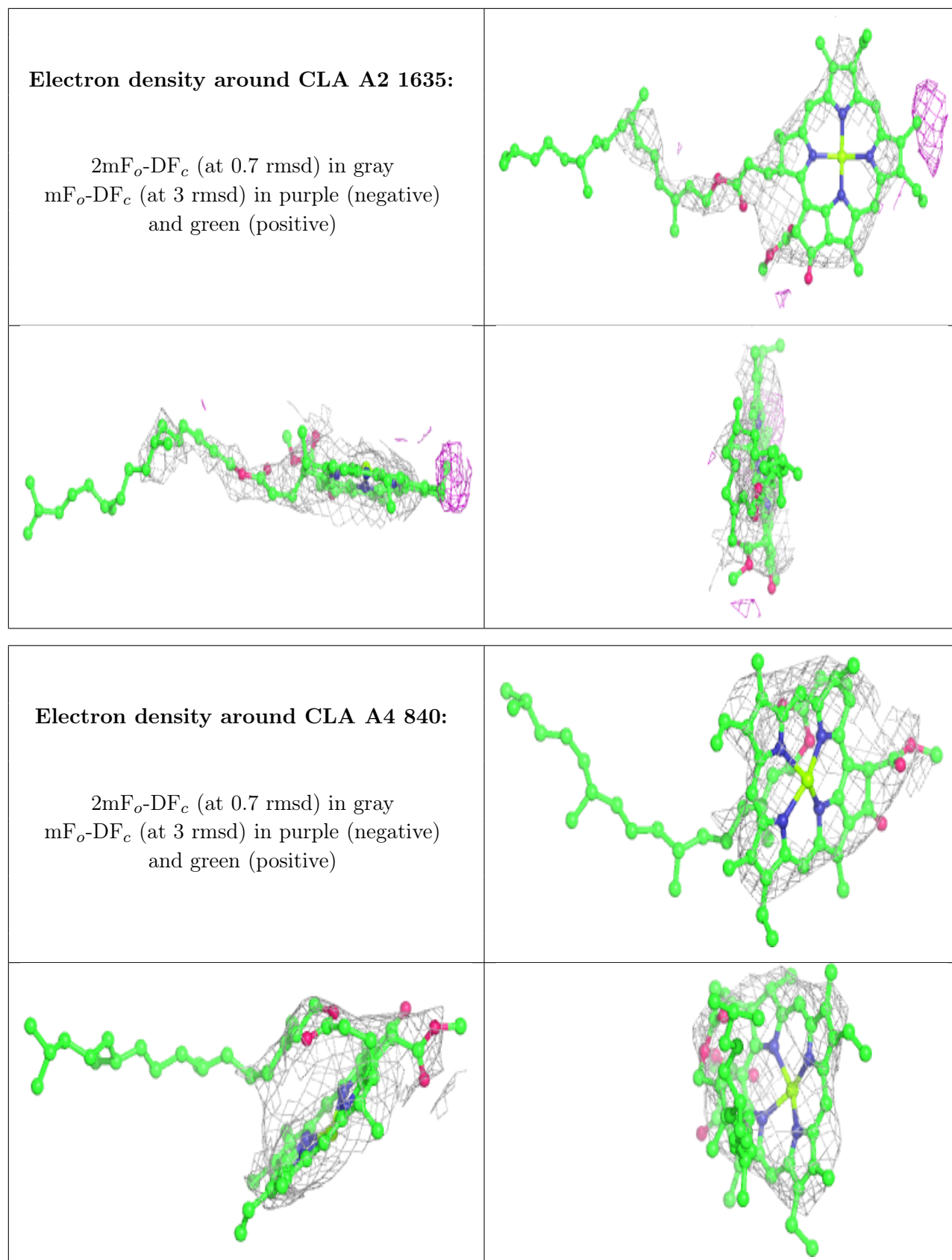


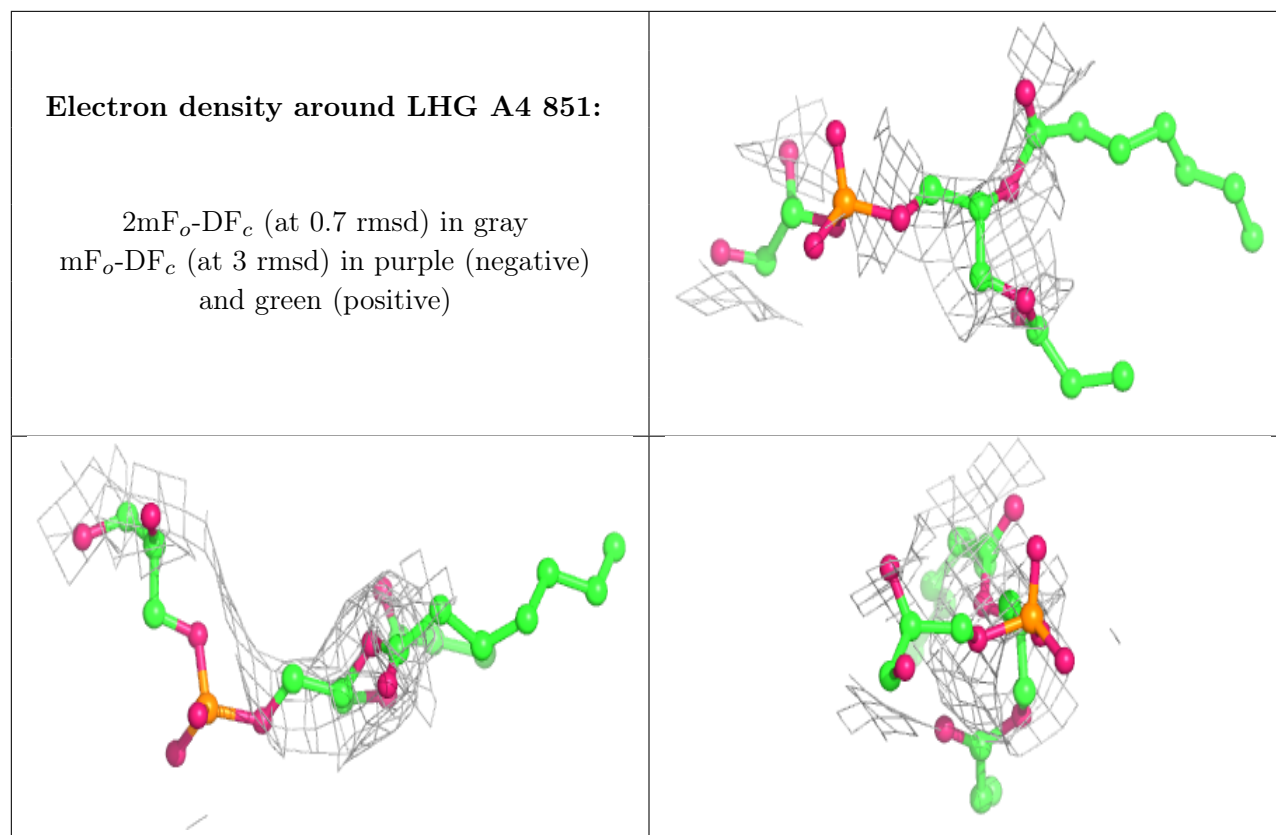


**Electron density around CLA B4 836:**

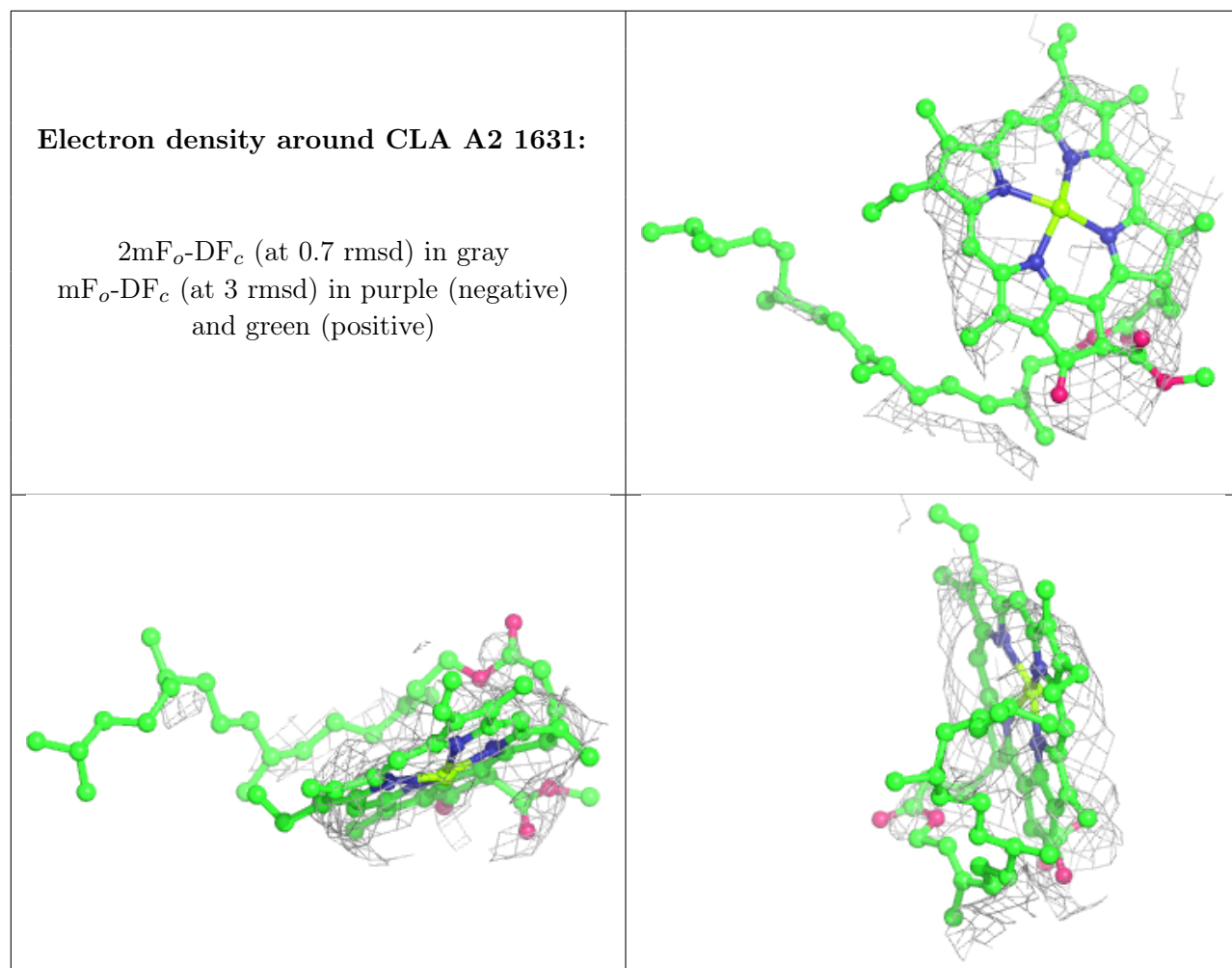
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





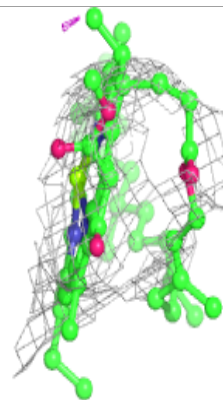
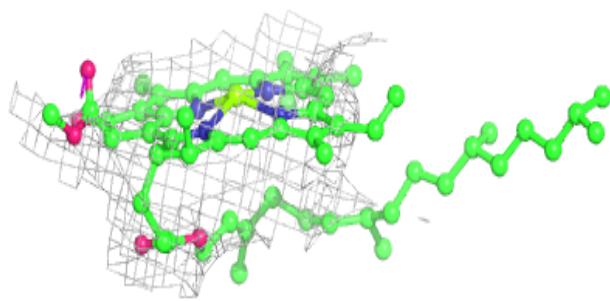
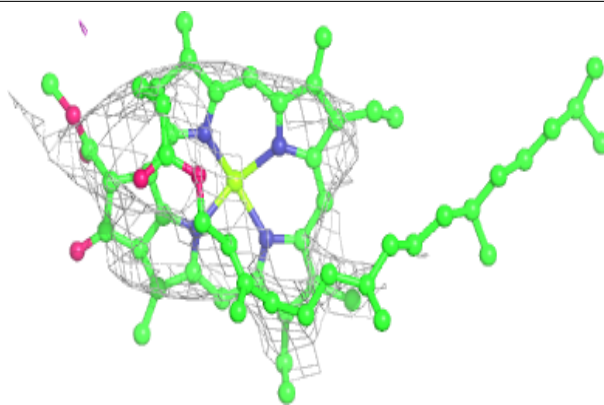




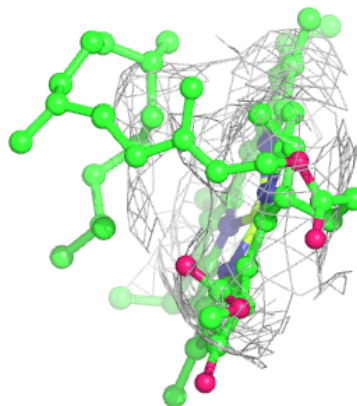
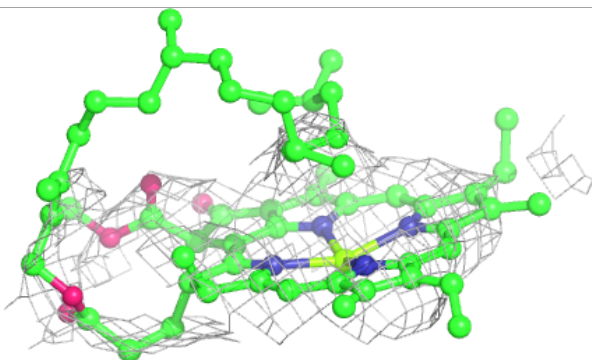
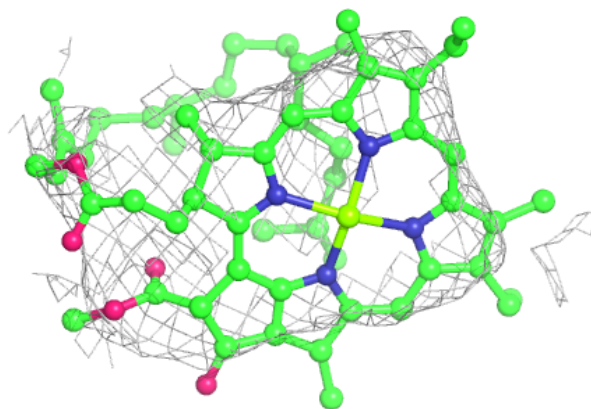


**Electron density around CLA B6 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B2 805:**

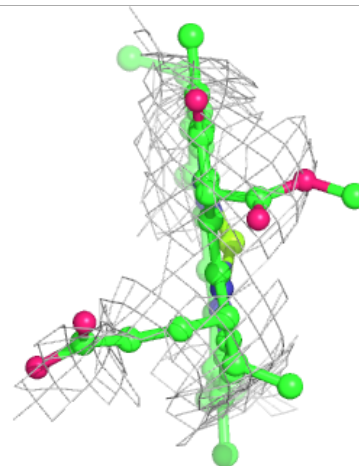
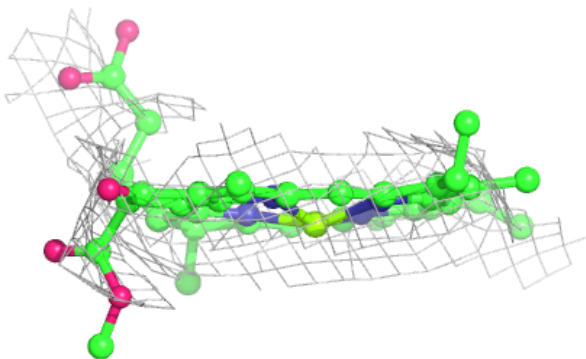
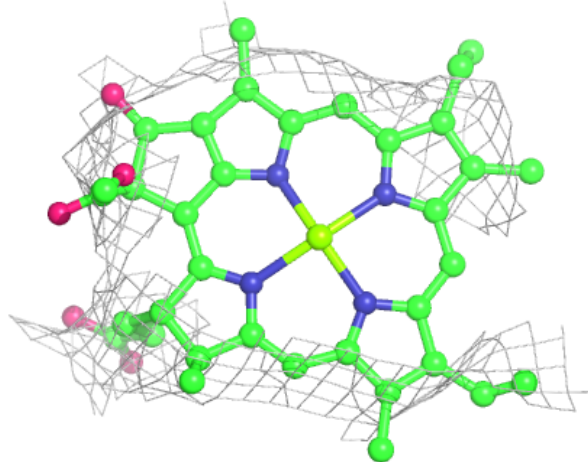
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





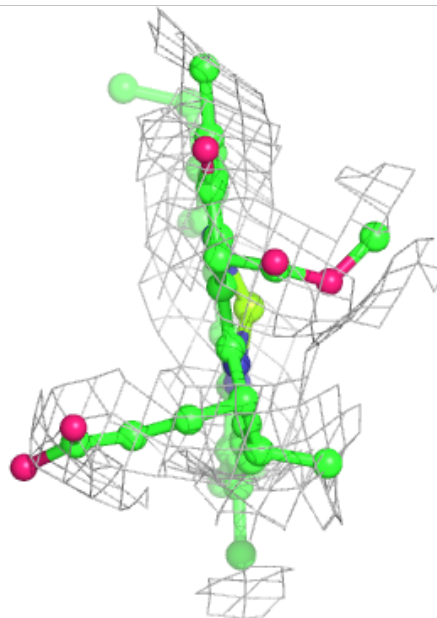
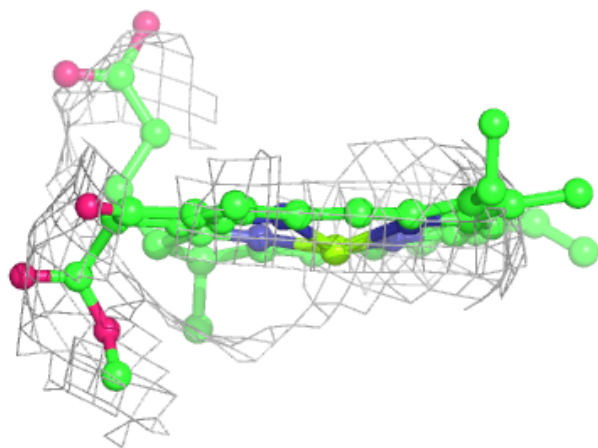
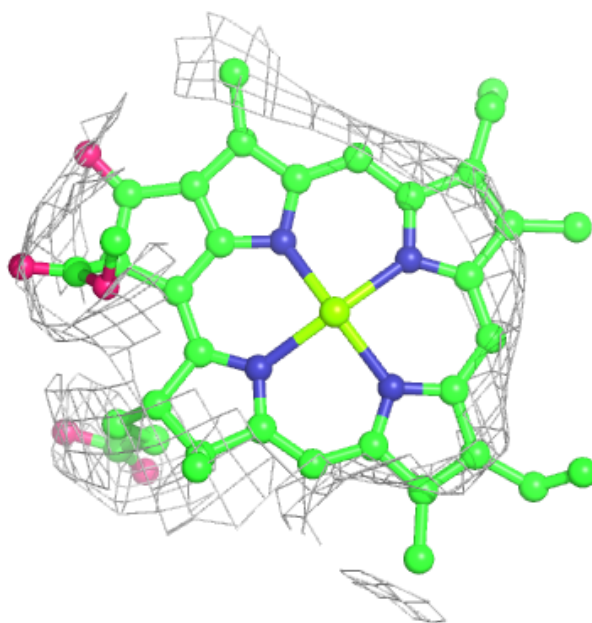
**Electron density around CLA A6 1614:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



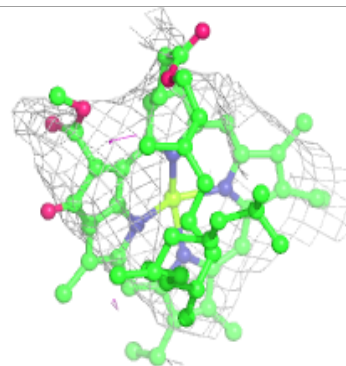
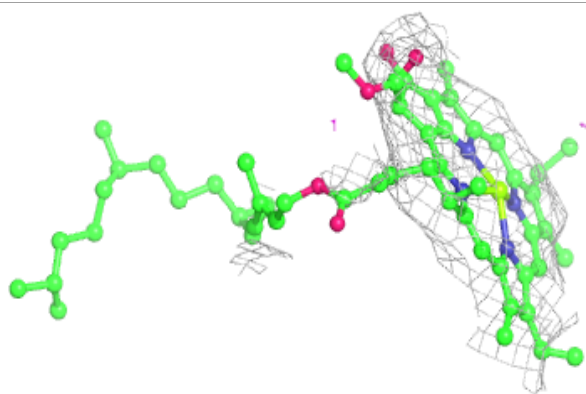
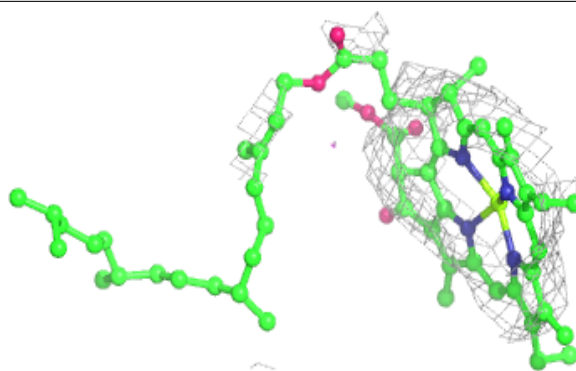
**Electron density around CLA B6 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

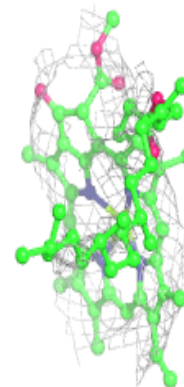
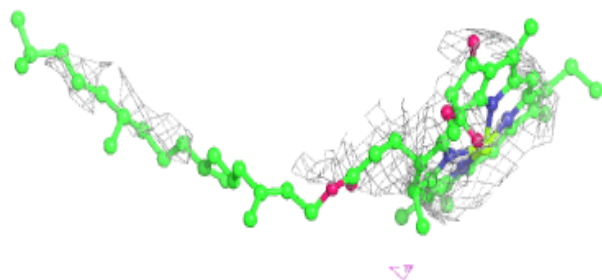
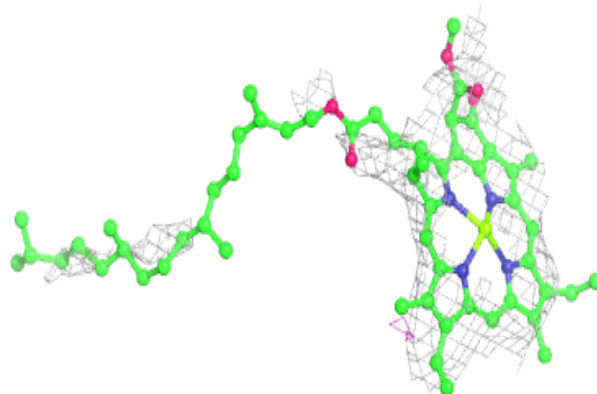


**Electron density around CLA B3 1803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

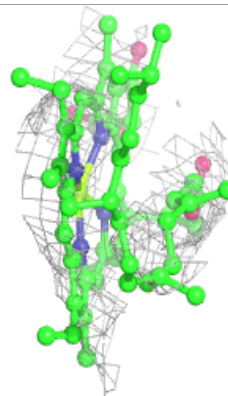
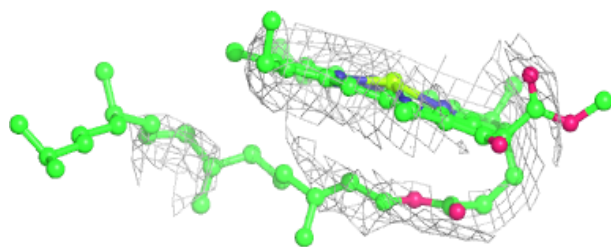
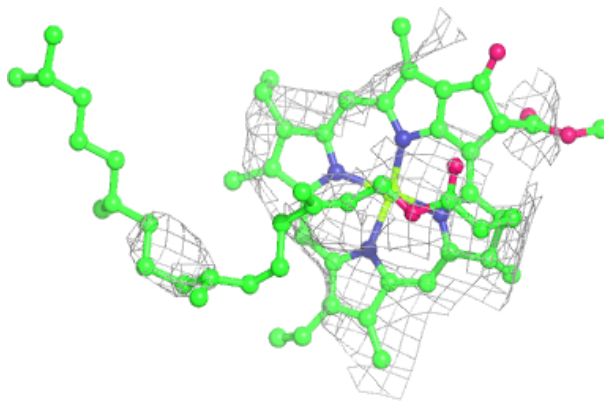
**Electron density around CLA A2 1603:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

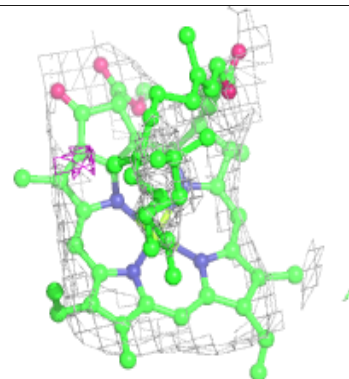
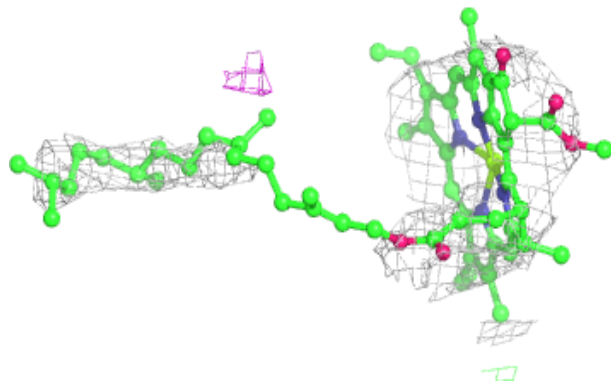
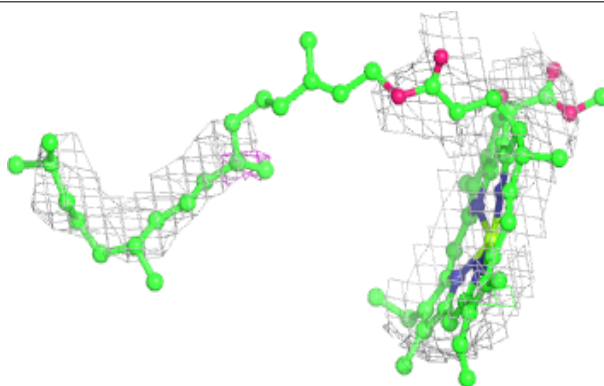


**Electron density around CLA B3 1840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

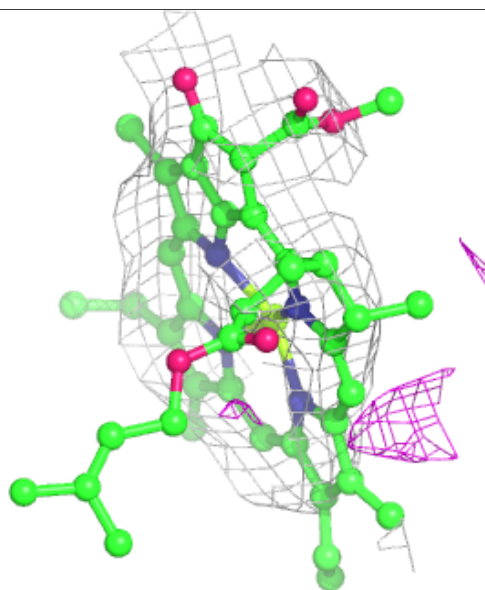
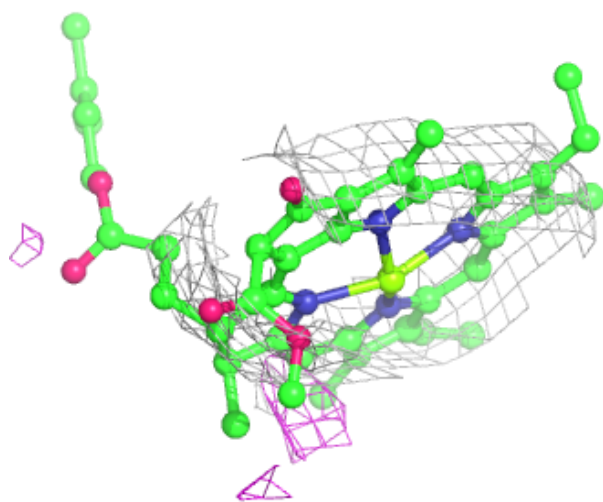
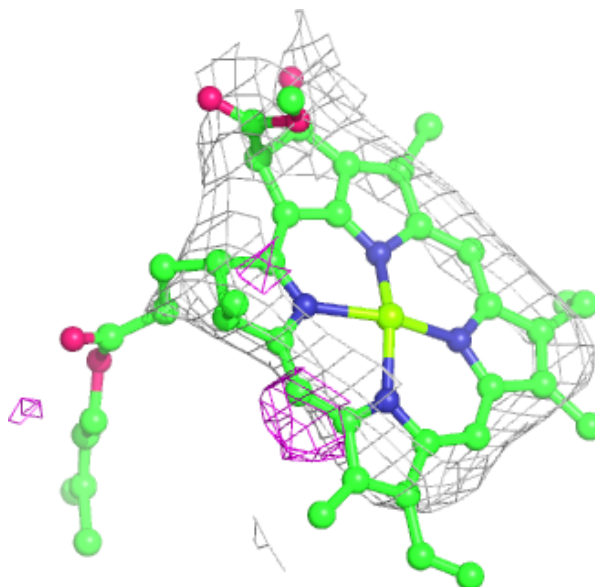
**Electron density around CLA A3 830:**

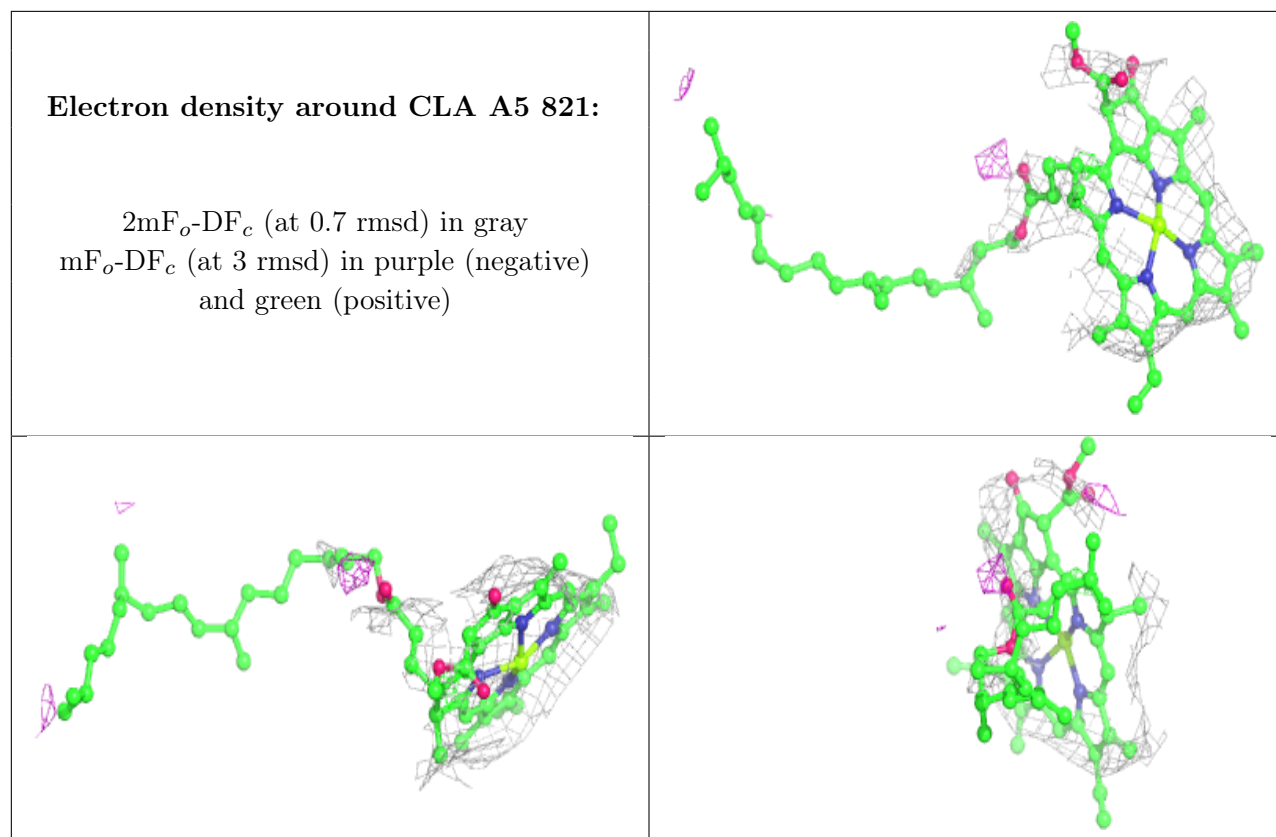
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

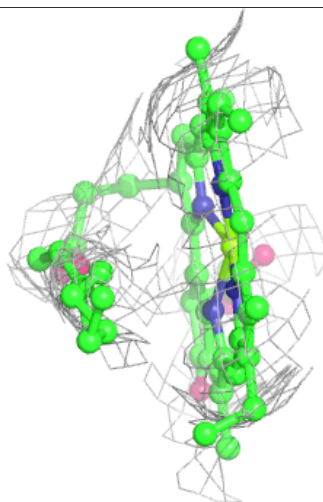
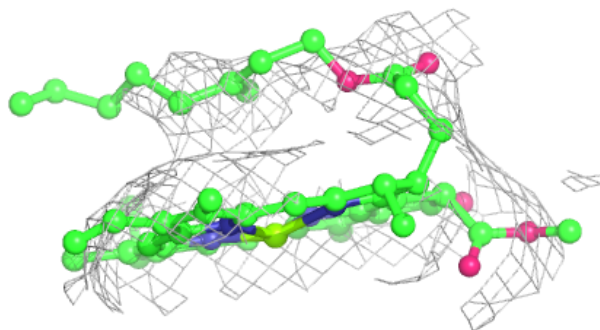
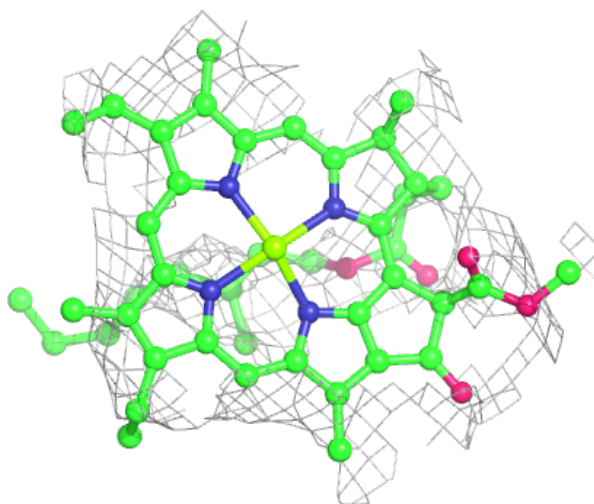






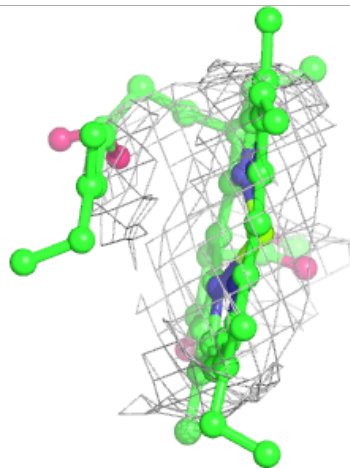
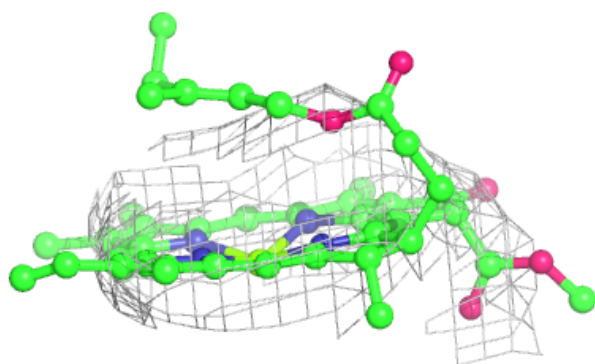
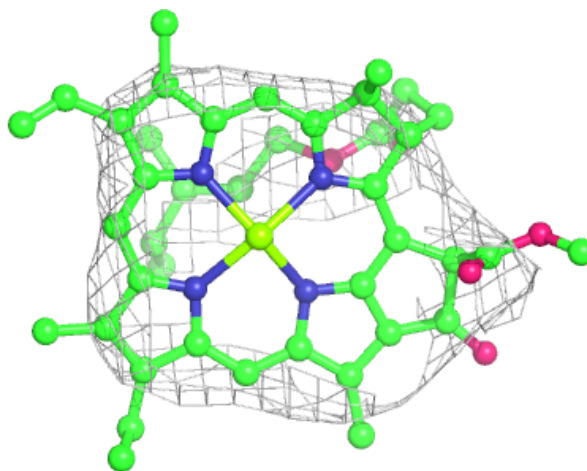
**Electron density around CLA A2 1614:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 823:**

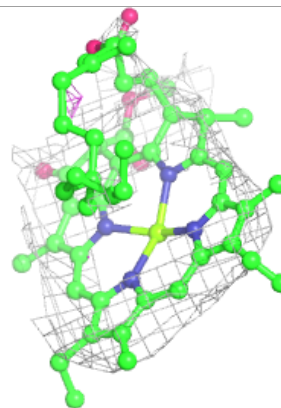
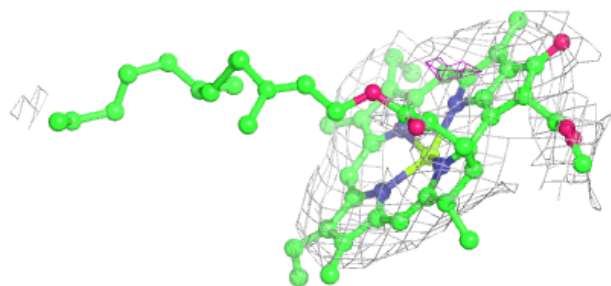
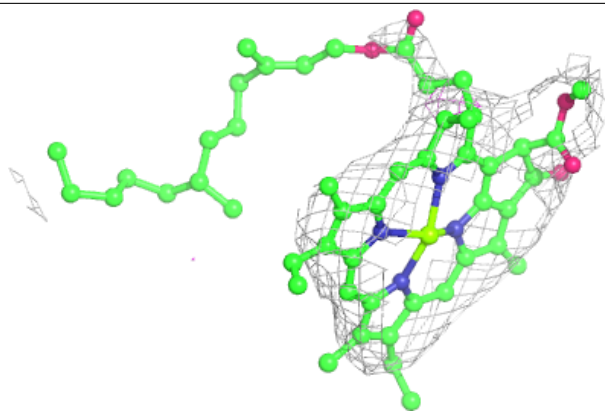
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



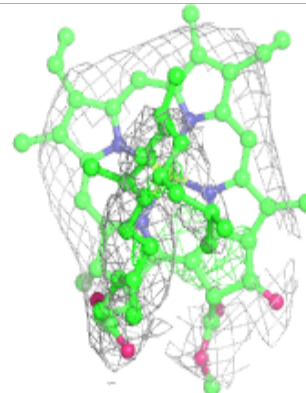
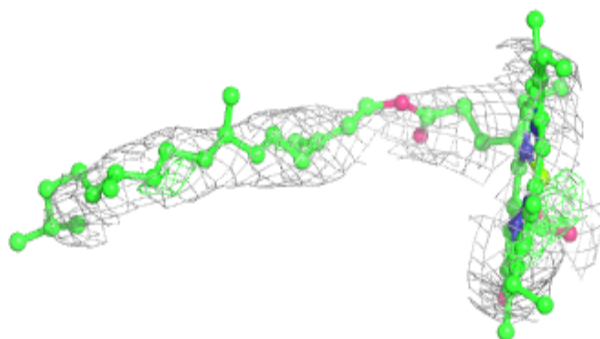
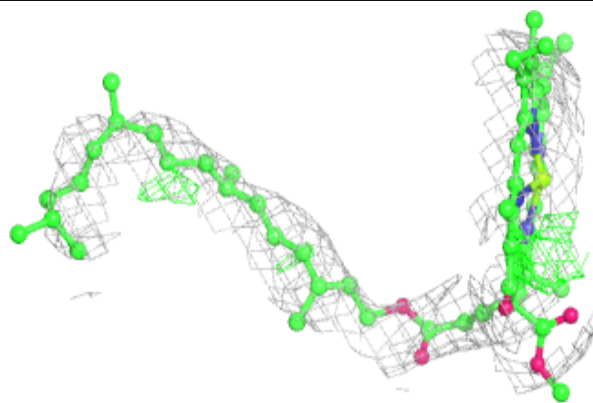


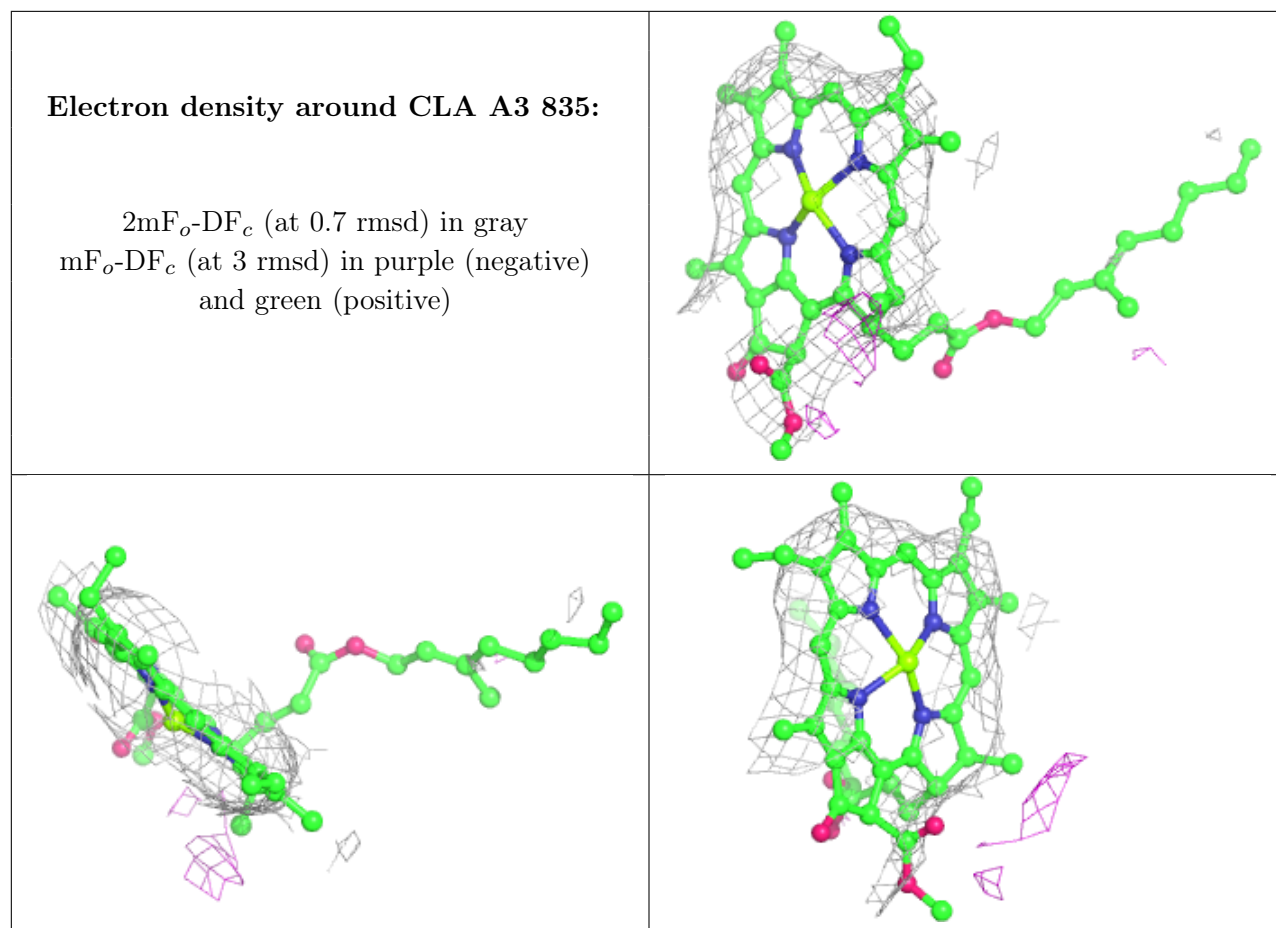
**Electron density around CLA A5 824:**

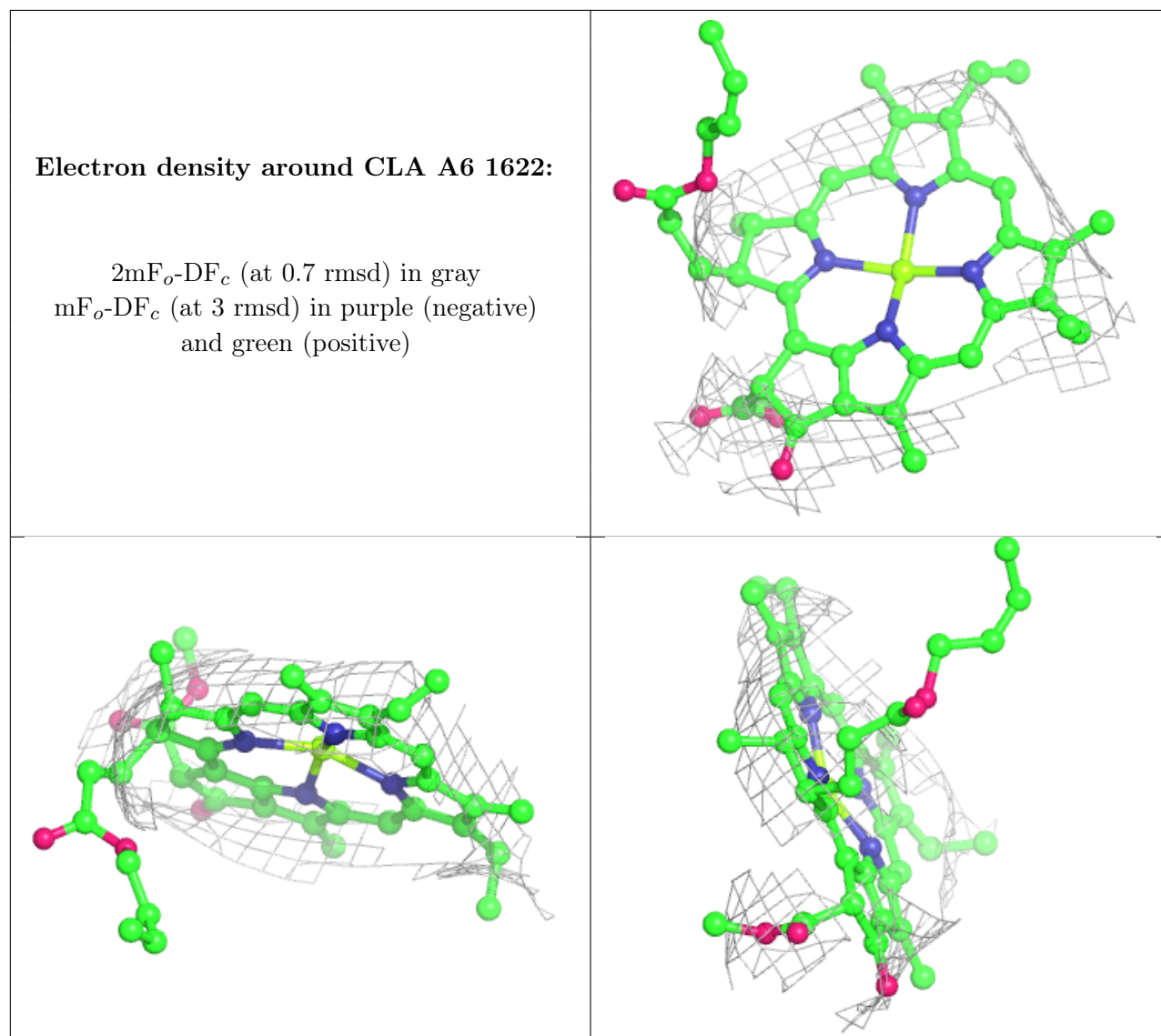
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

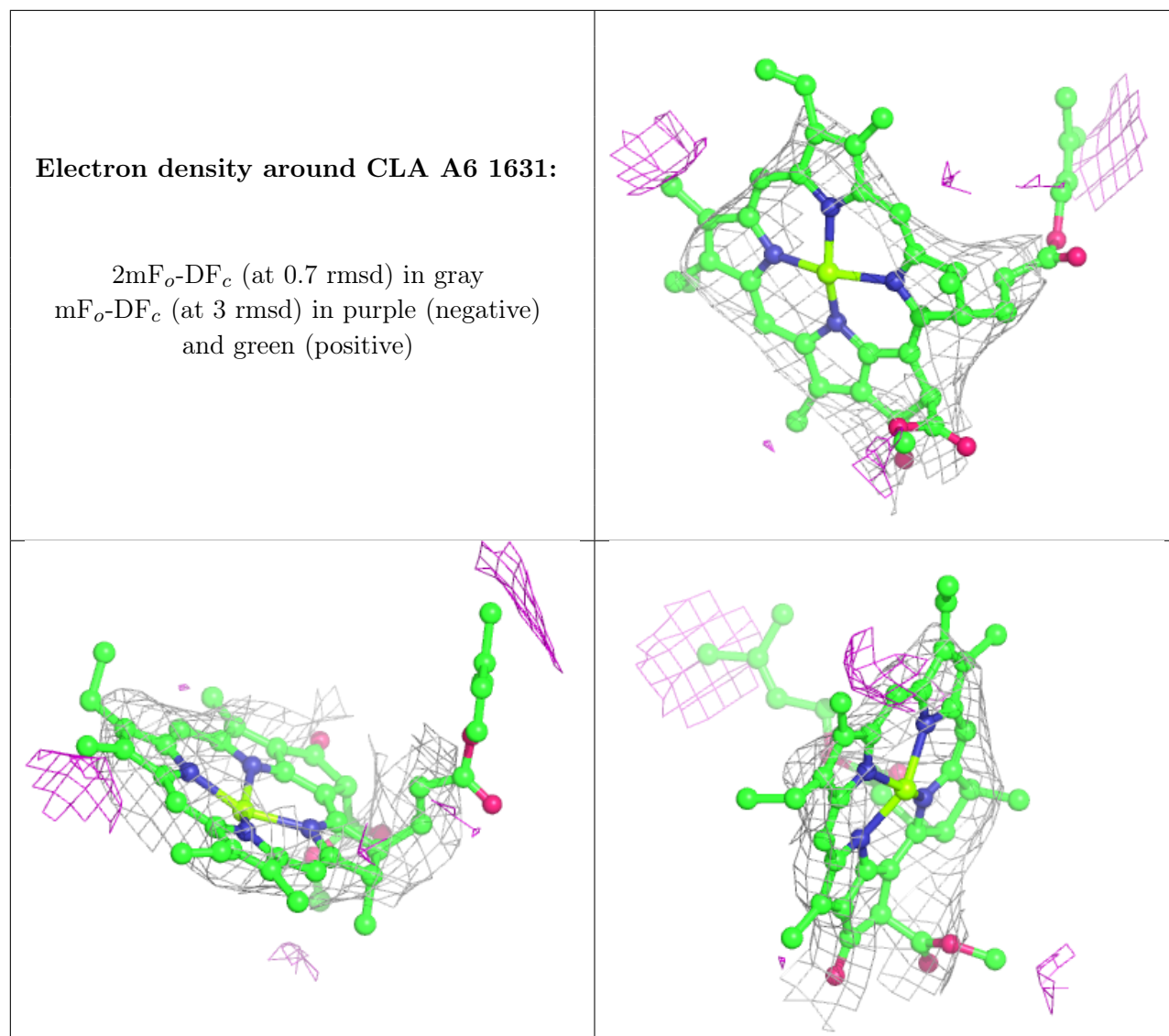
**Electron density around CLA B6 841:**

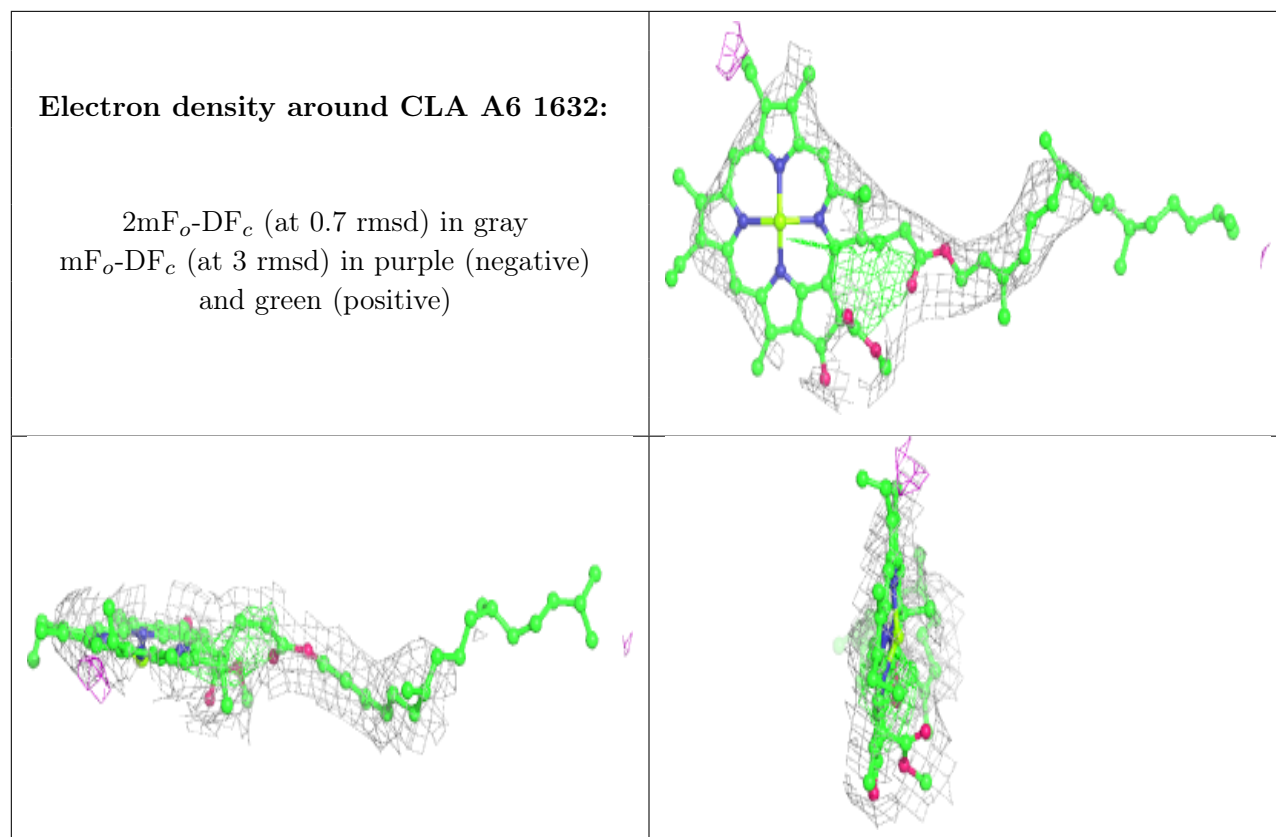
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





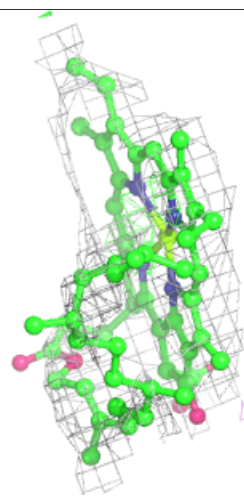
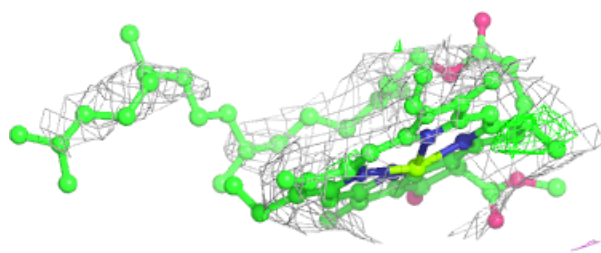
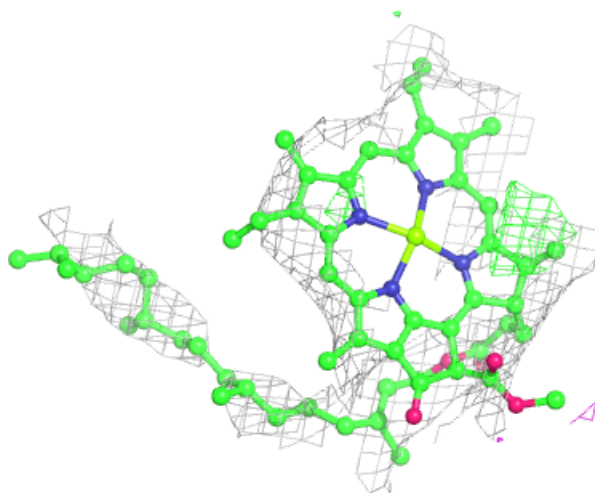


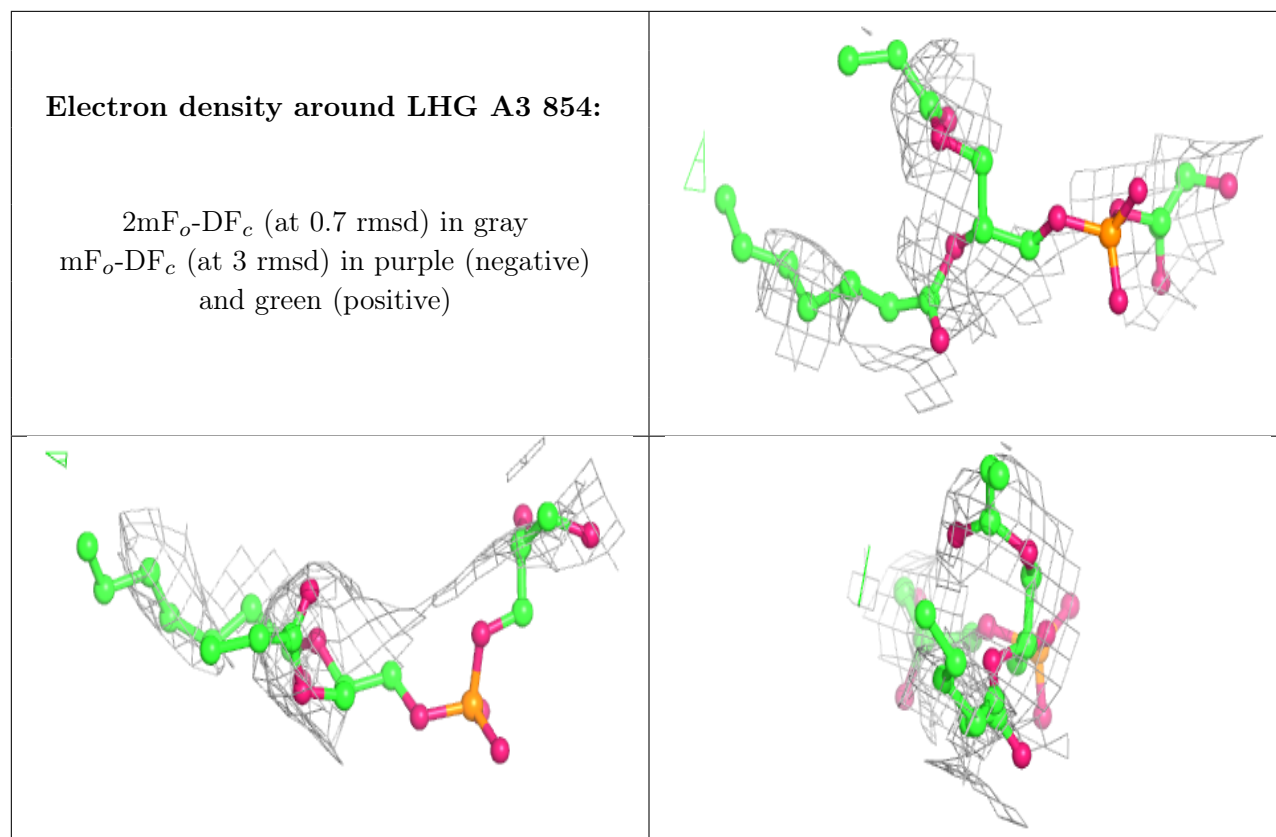




**Electron density around CLA A3 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

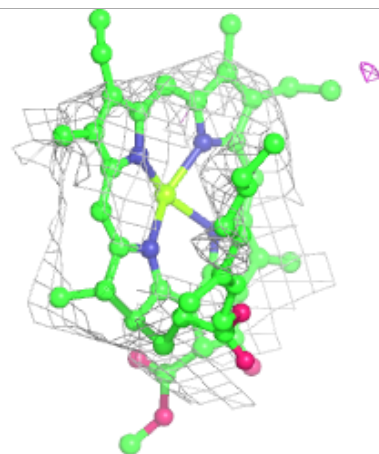
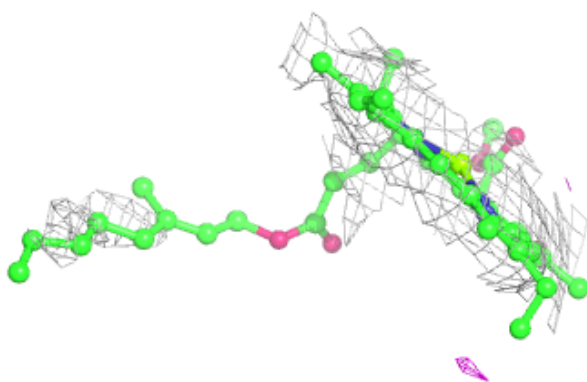
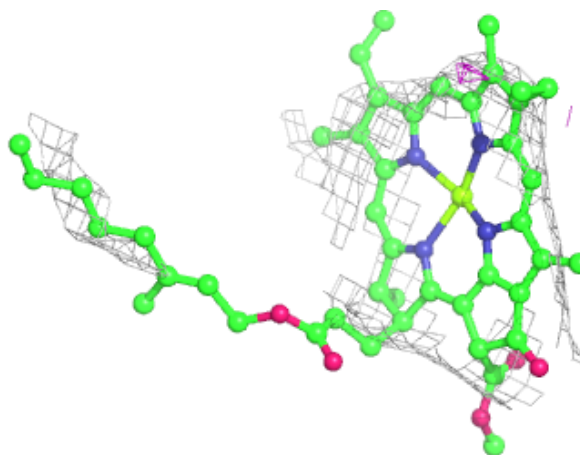




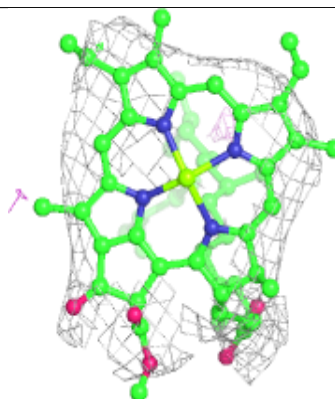
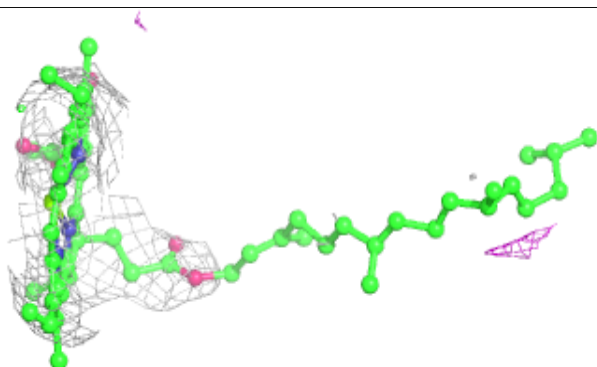
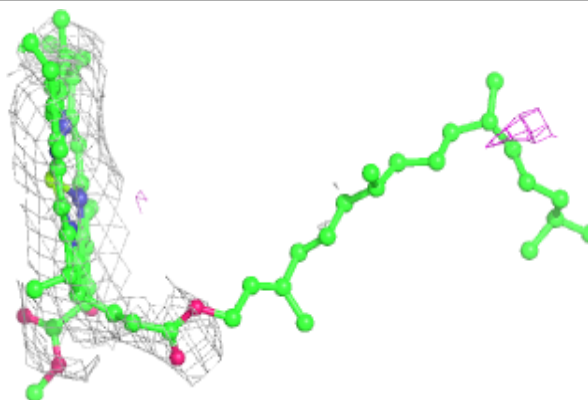


**Electron density around CLA A6 1634:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B1 841:**

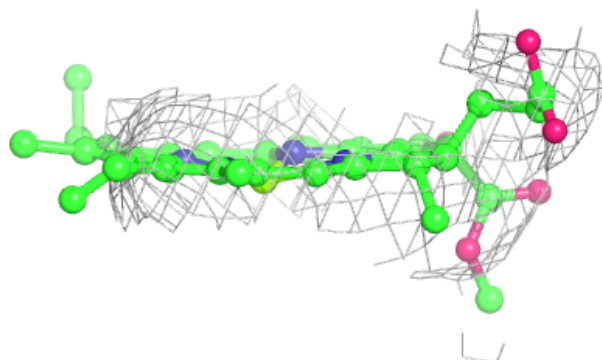
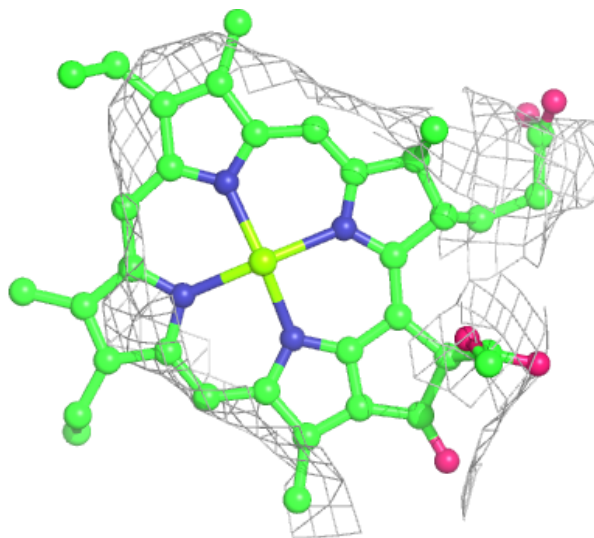
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





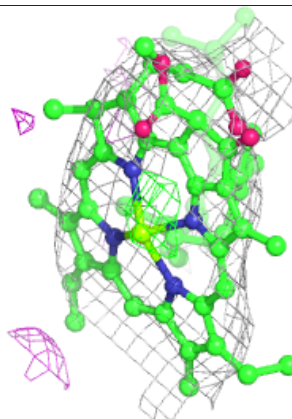
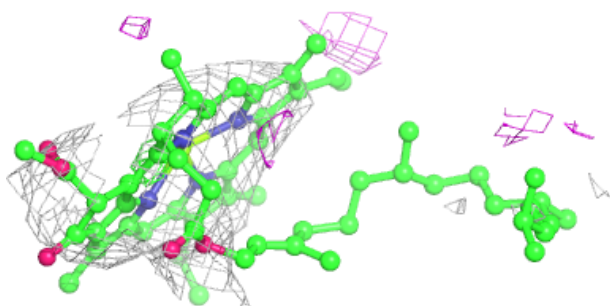
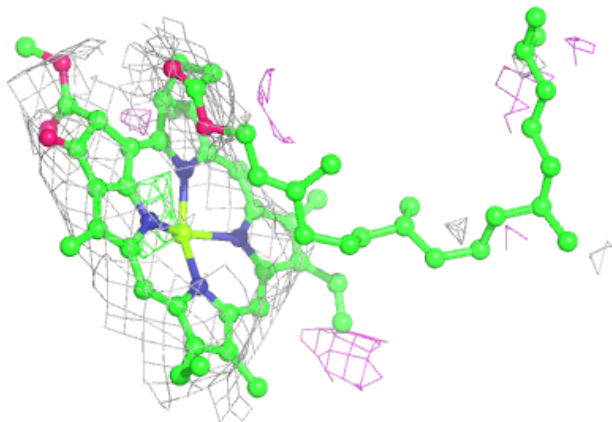
**Electron density around CLA X6 1701:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

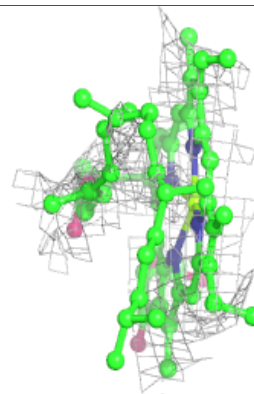
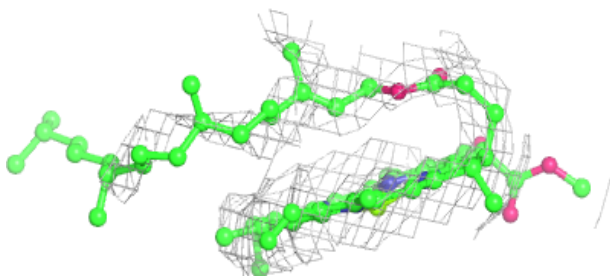
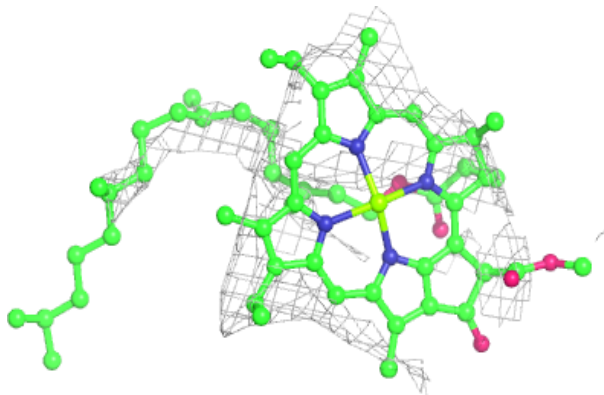


**Electron density around CLA A1 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

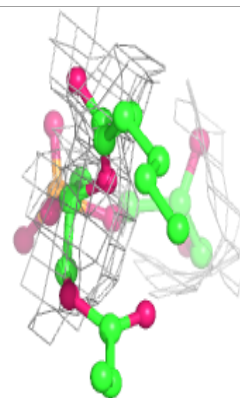
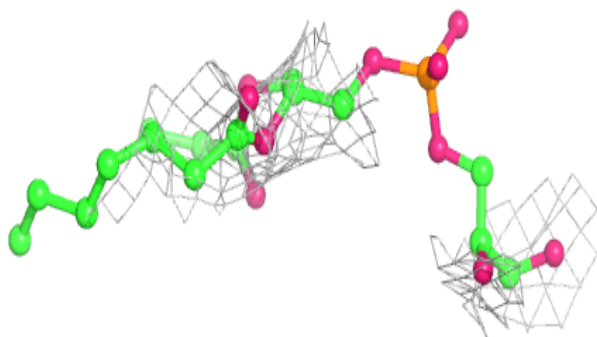
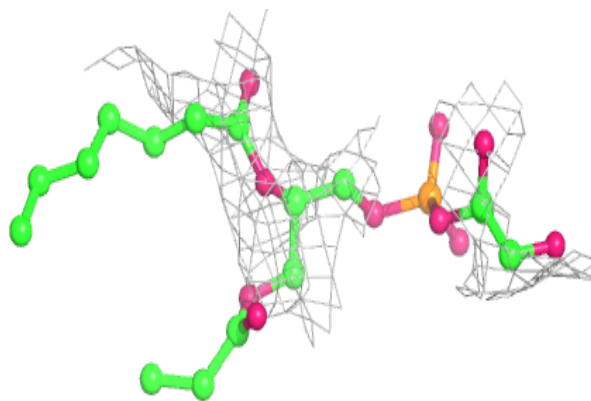
**Electron density around CLA B2 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

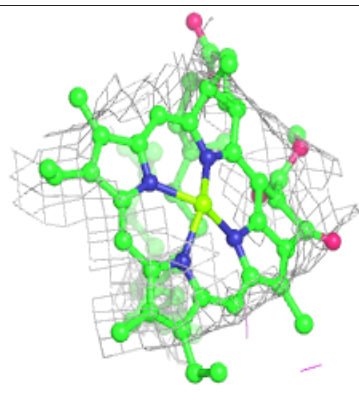
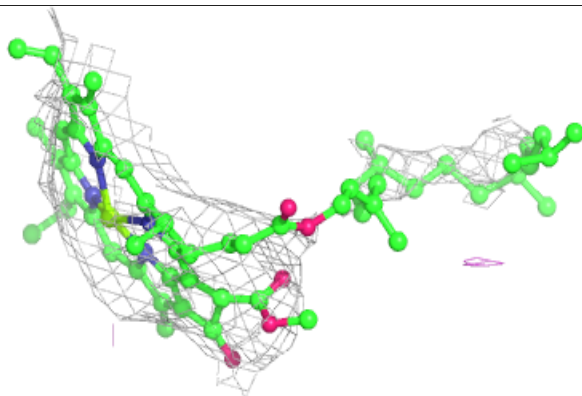
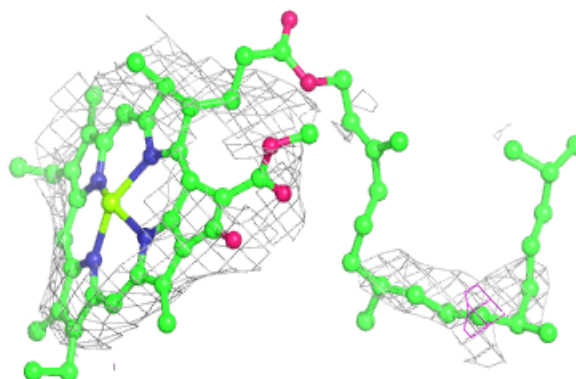


**Electron density around LHG A6 1650:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

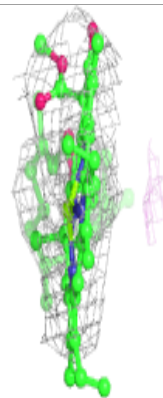
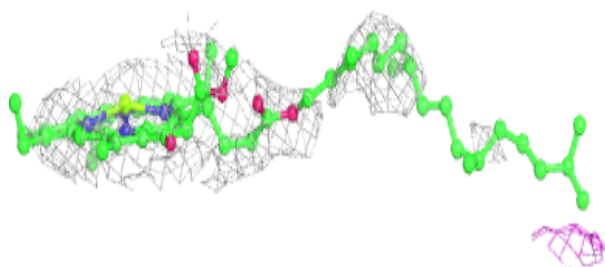
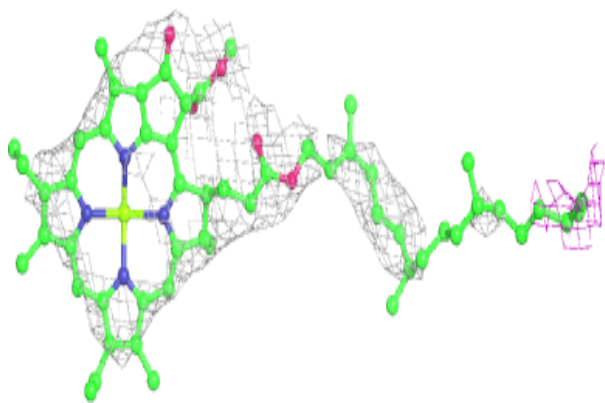
**Electron density around CLA A6 1602:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

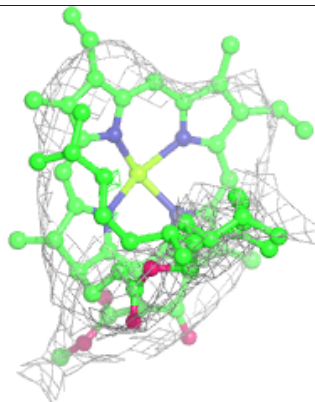
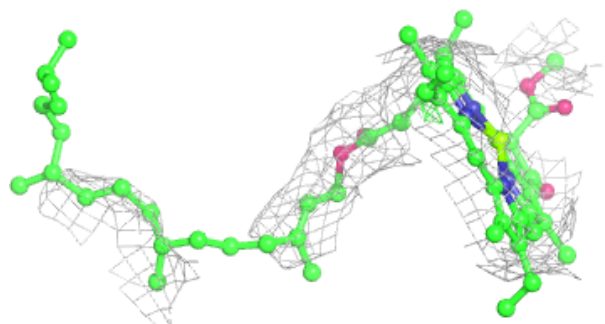
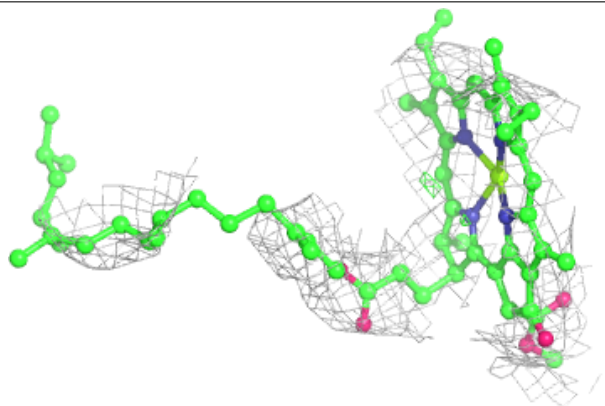


**Electron density around CLA A1 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

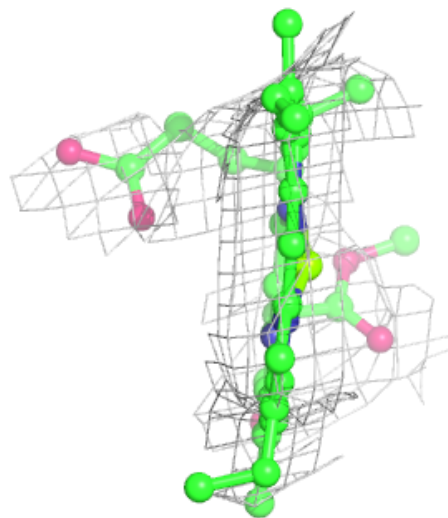
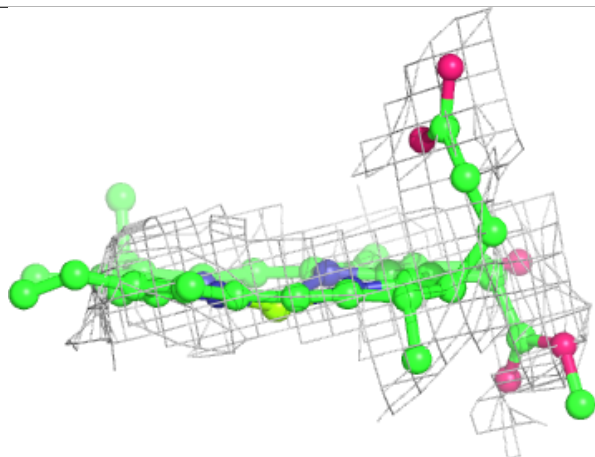
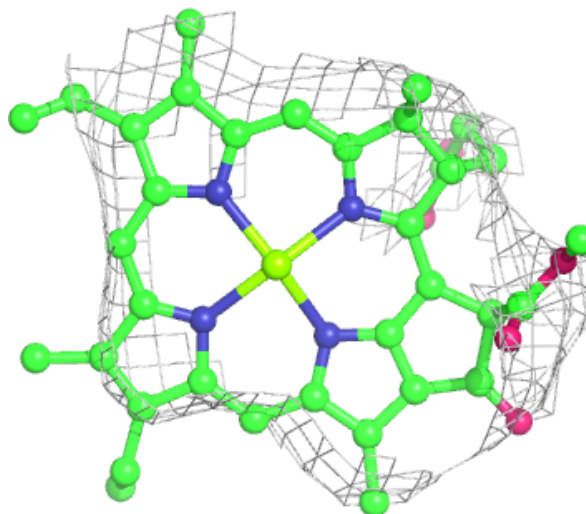
**Electron density around CLA L5 205:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 836:**

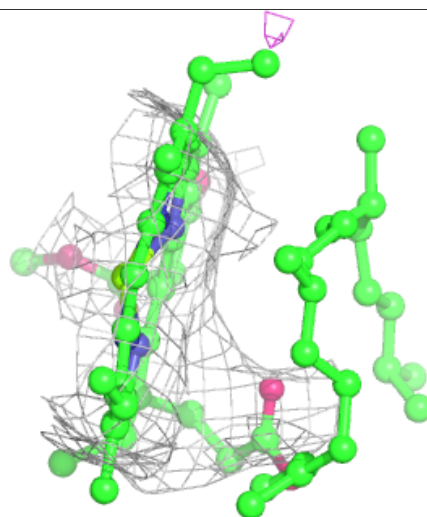
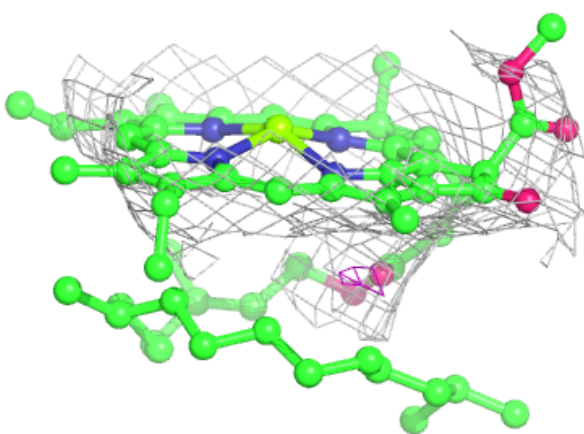
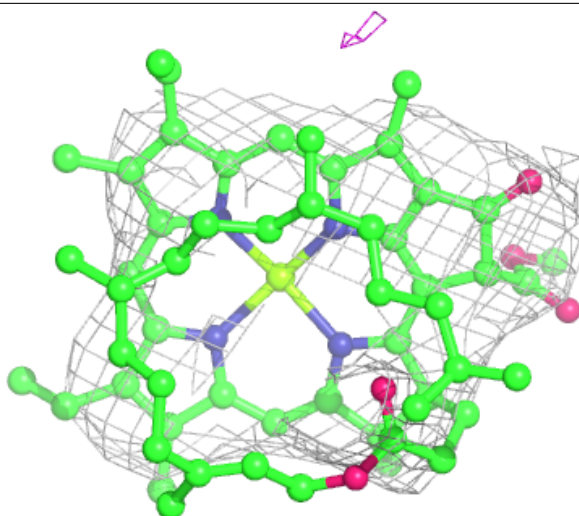
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

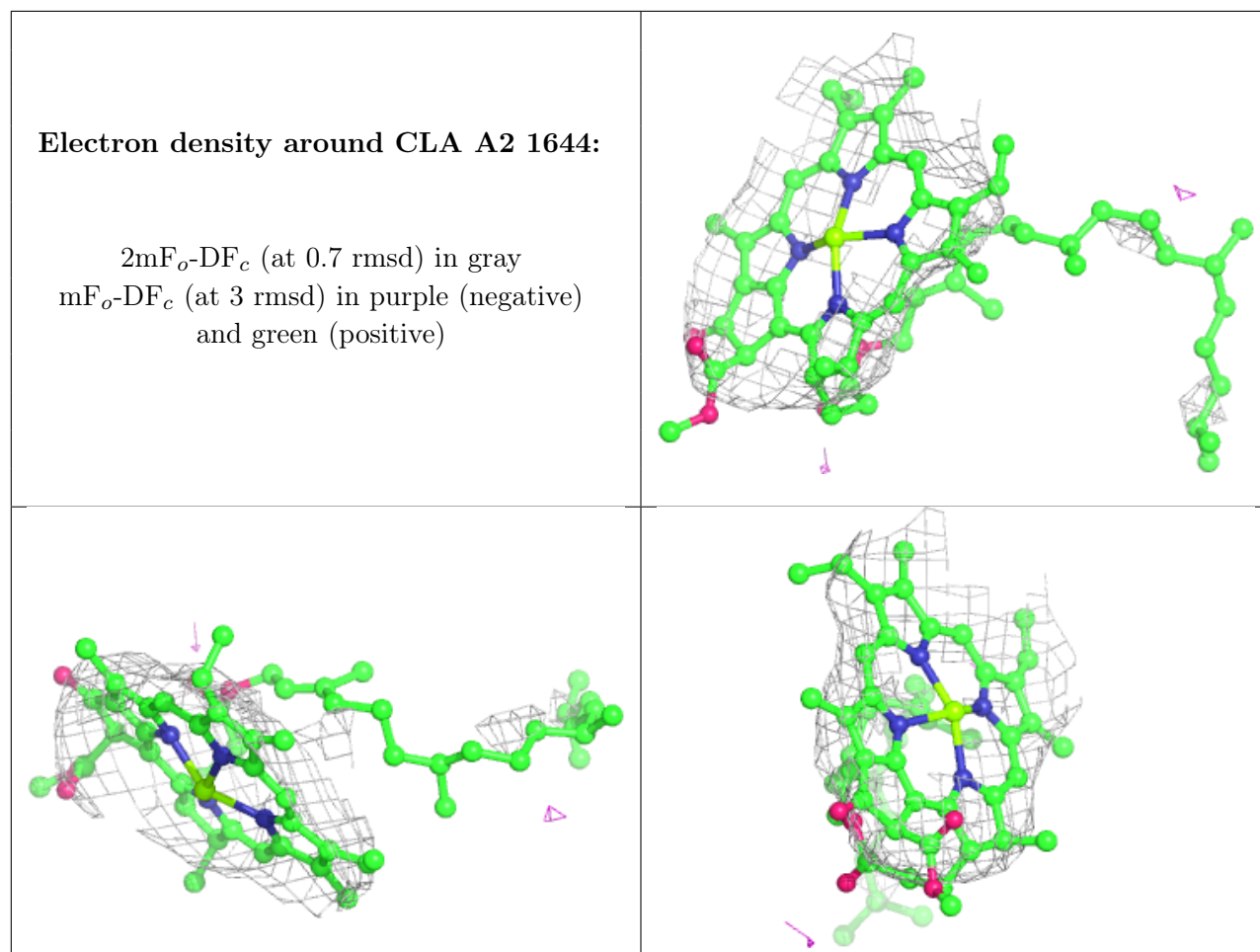


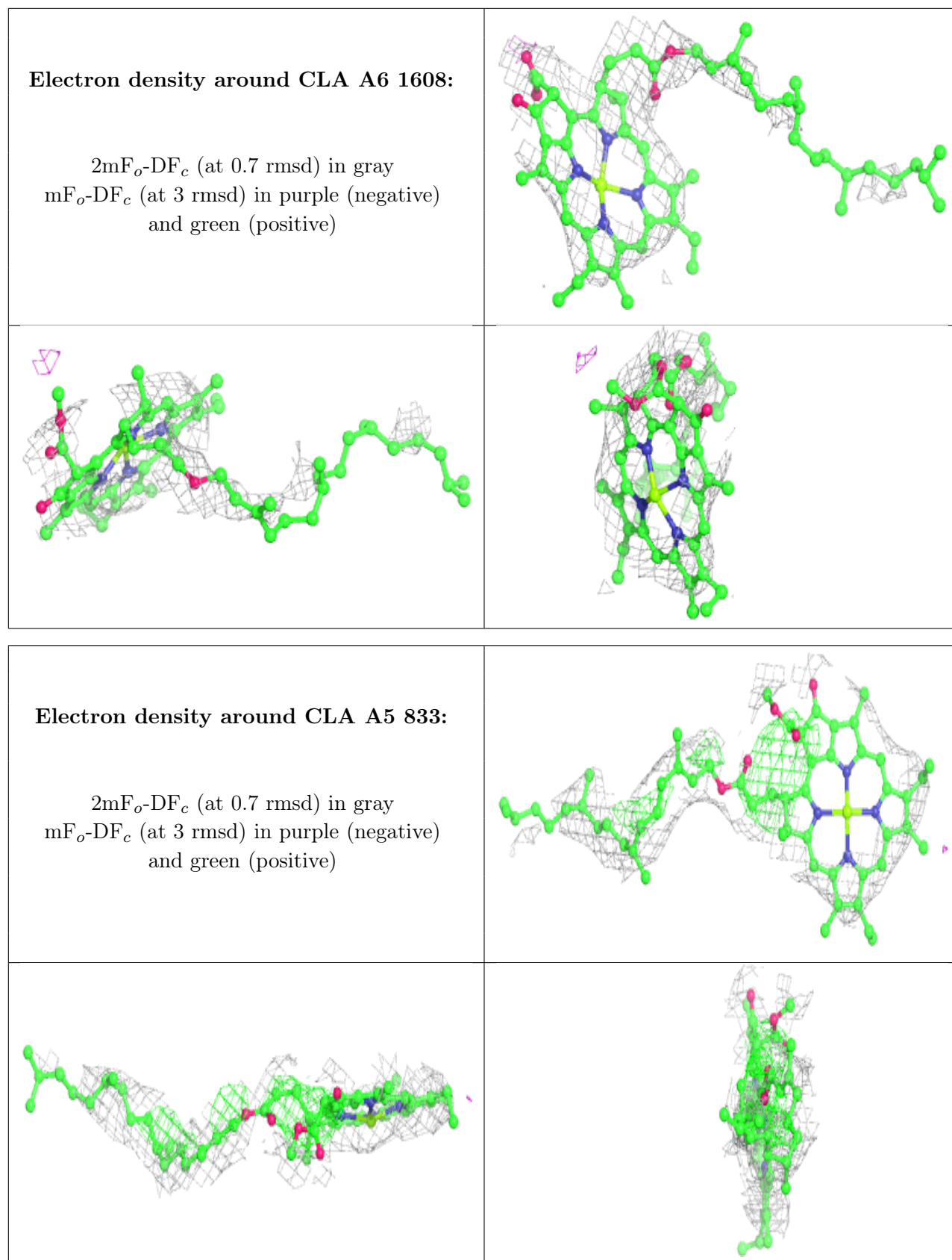


**Electron density around CLA L2 205:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



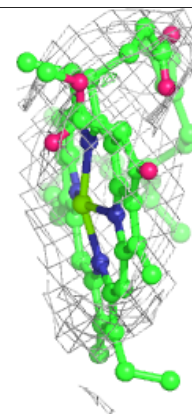
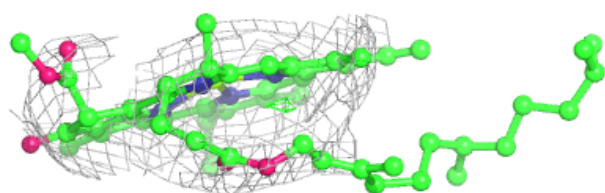
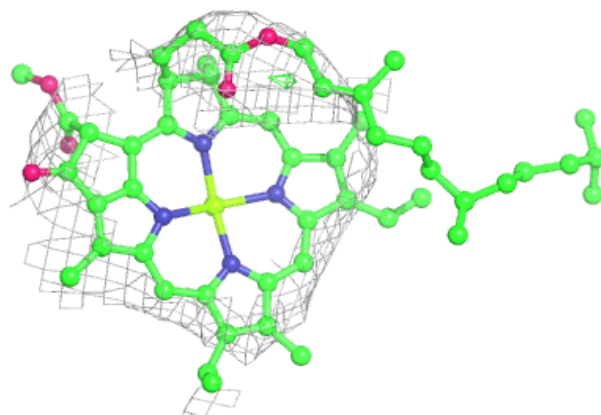




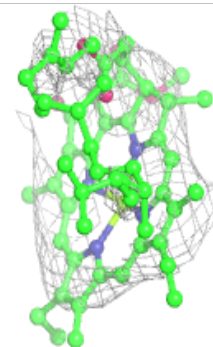
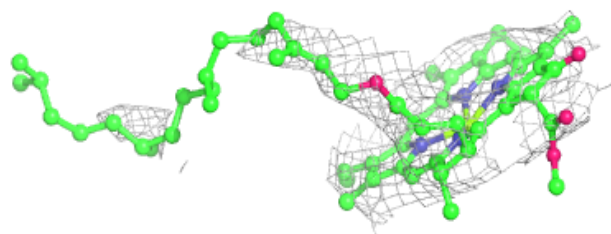
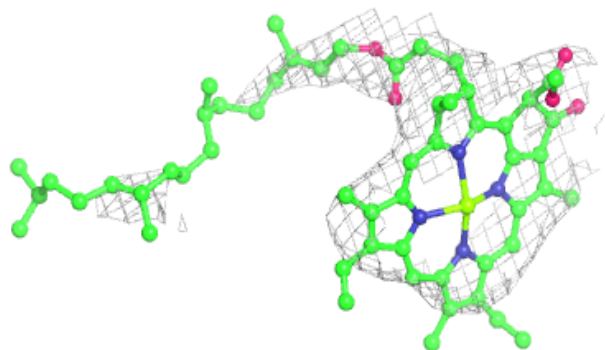


**Electron density around CLA B2 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

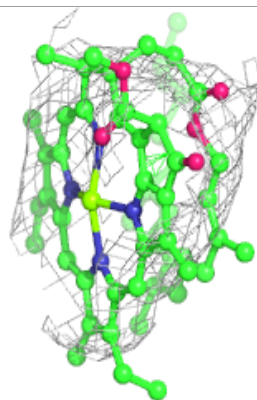
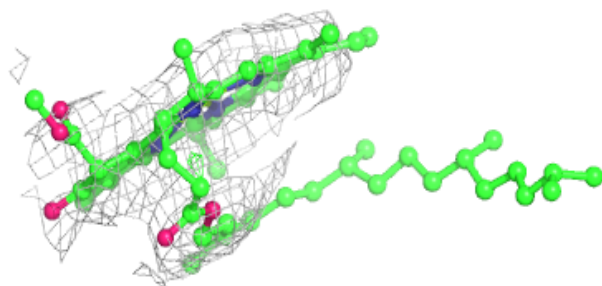
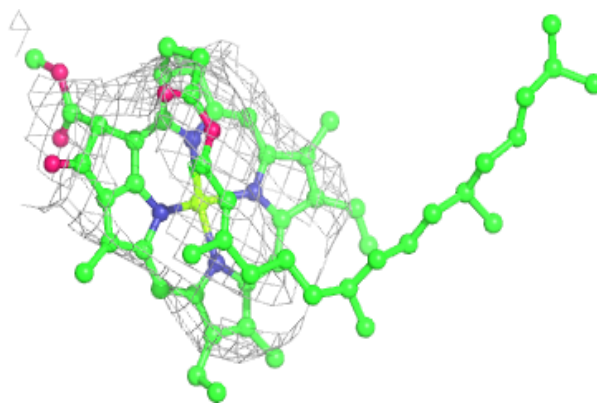
**Electron density around CLA A3 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

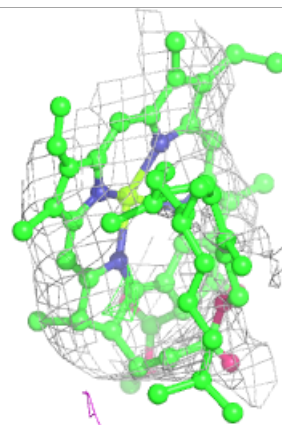
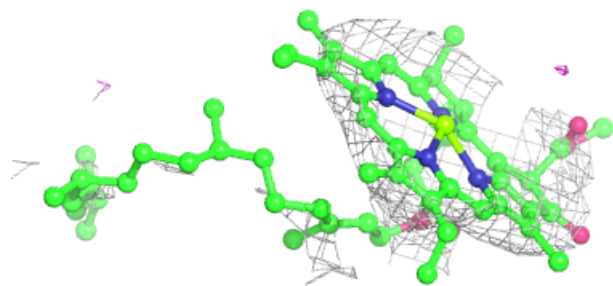
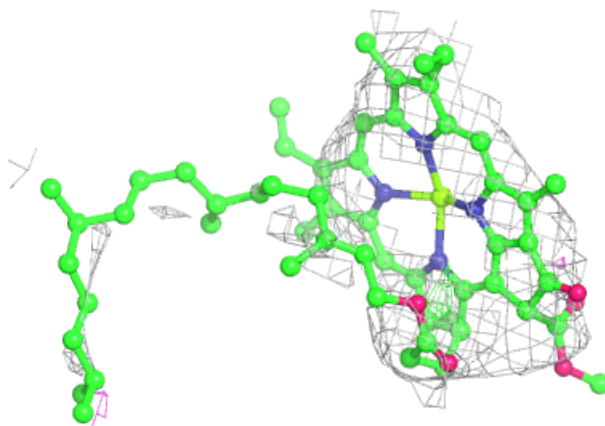


**Electron density around CLA I6 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

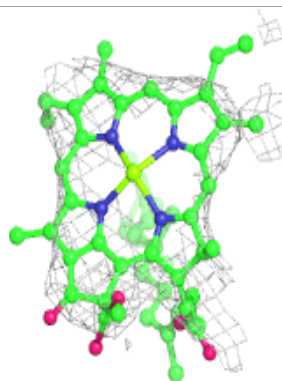
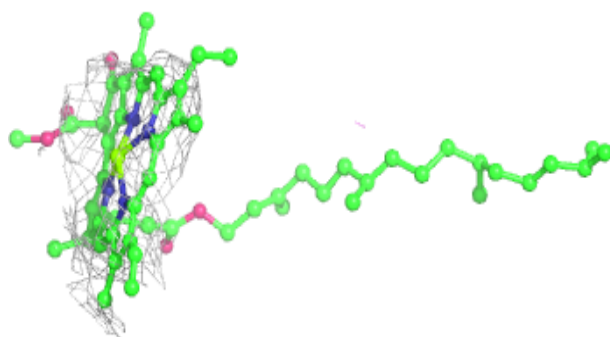
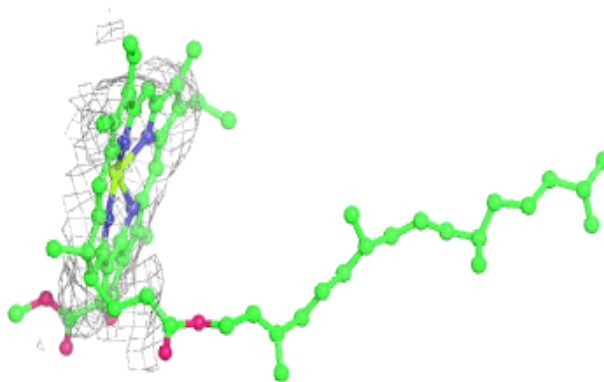
**Electron density around CLA A3 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

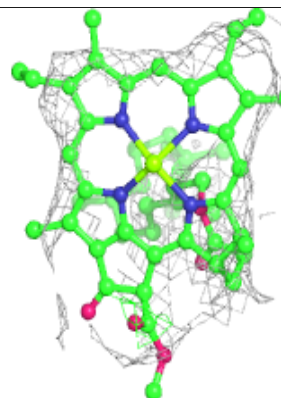
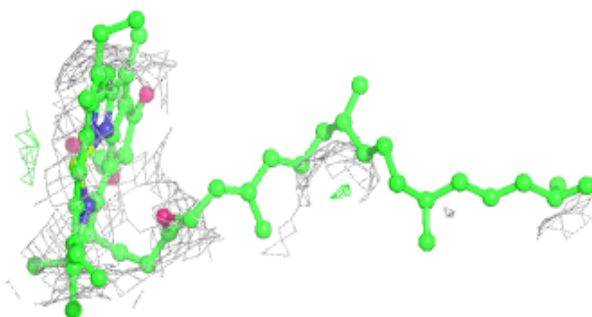
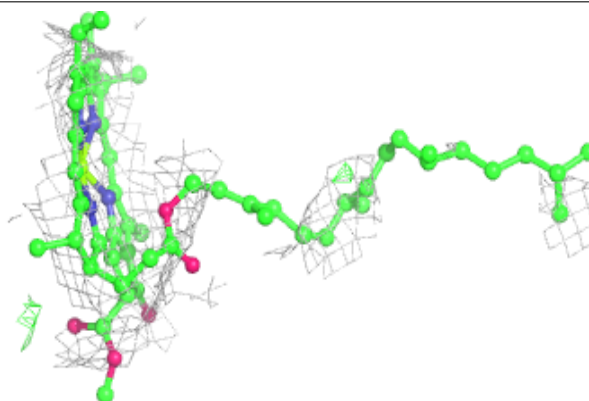


**Electron density around CLA B2 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

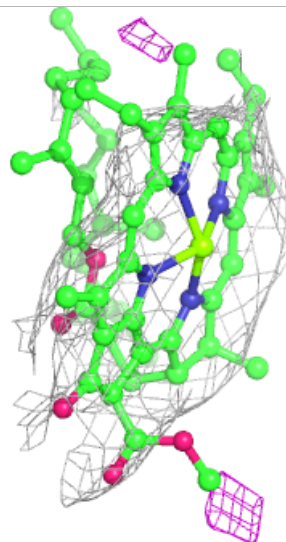
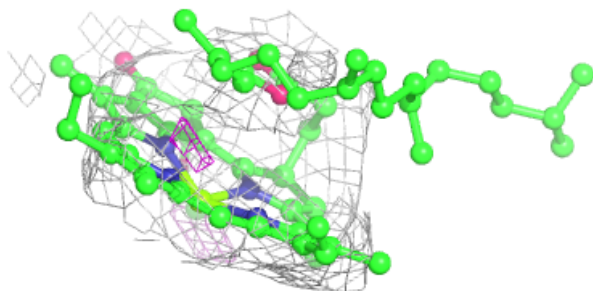
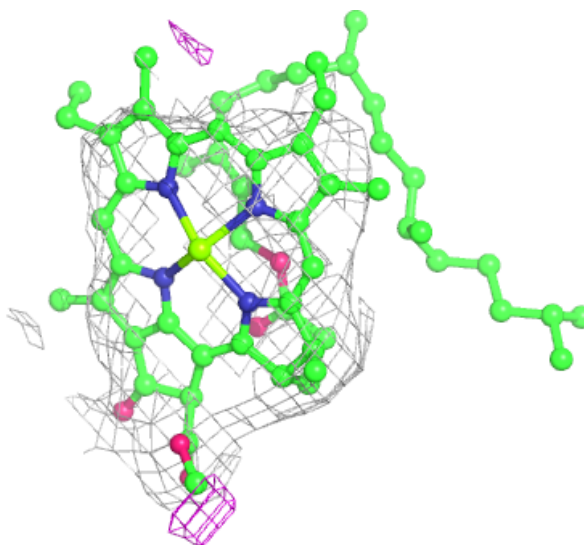
**Electron density around CLA A3 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



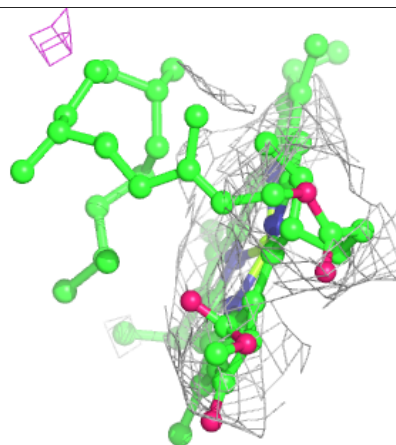
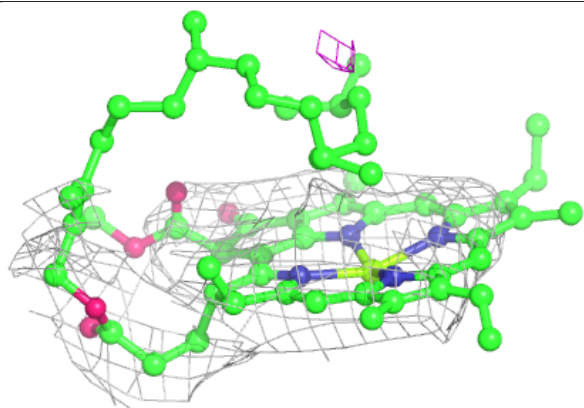
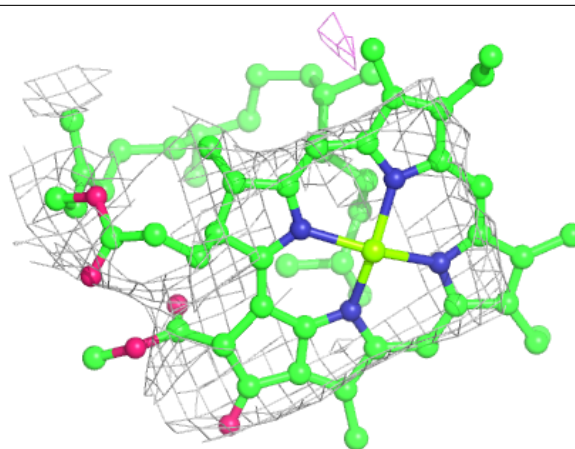
**Electron density around CLA B6 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

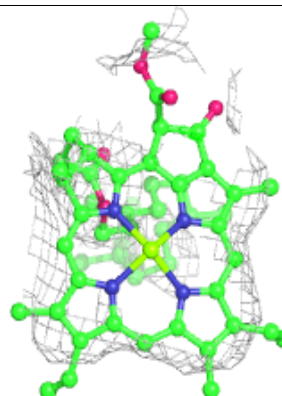
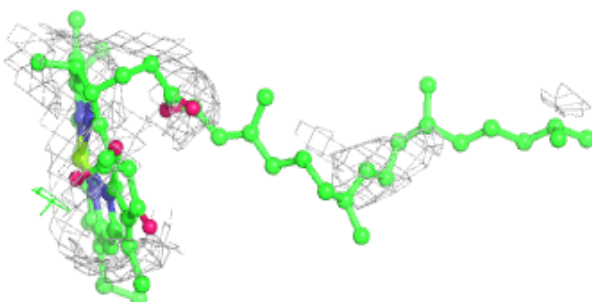
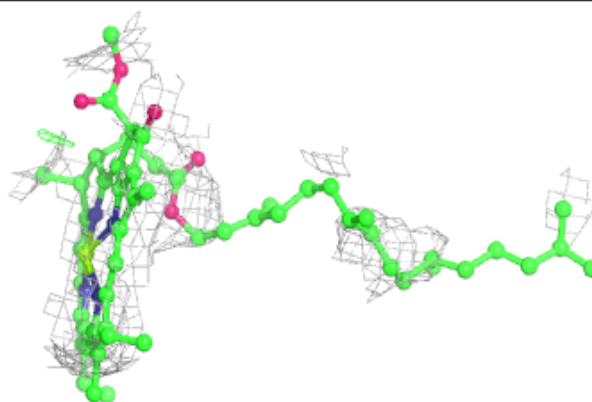


**Electron density around CLA B3 1808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A6 1628:**

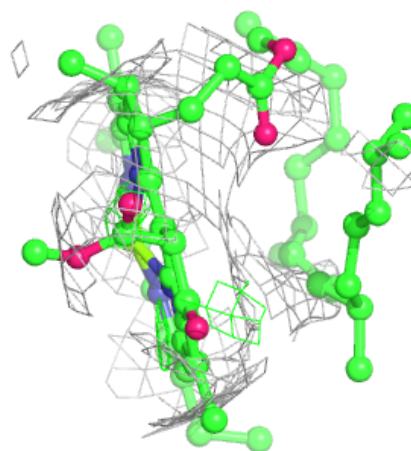
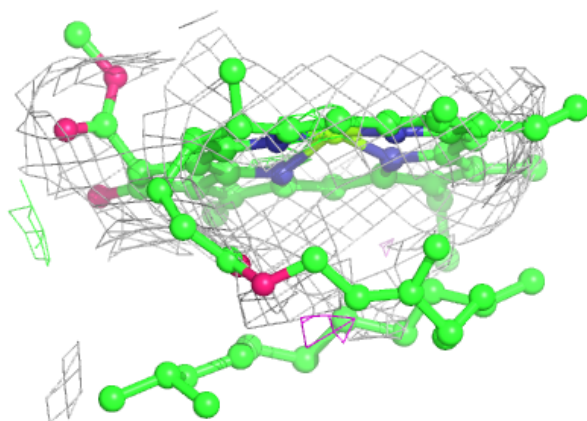
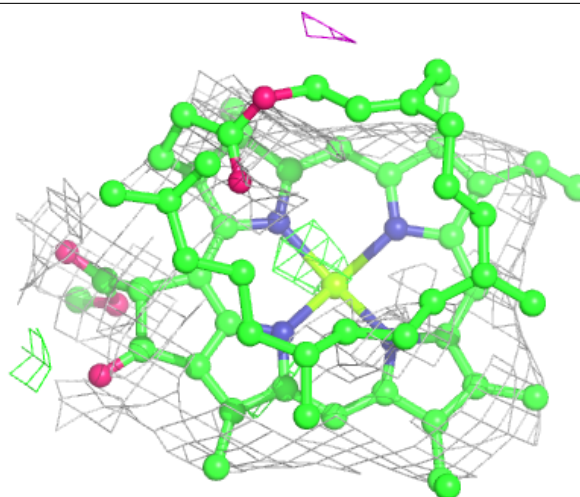
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





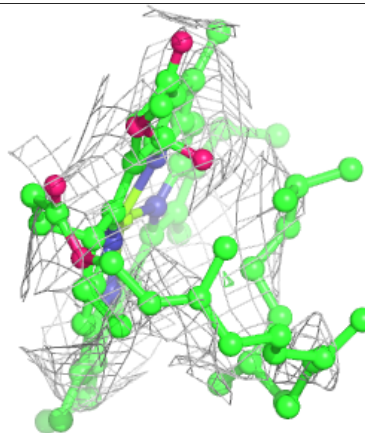
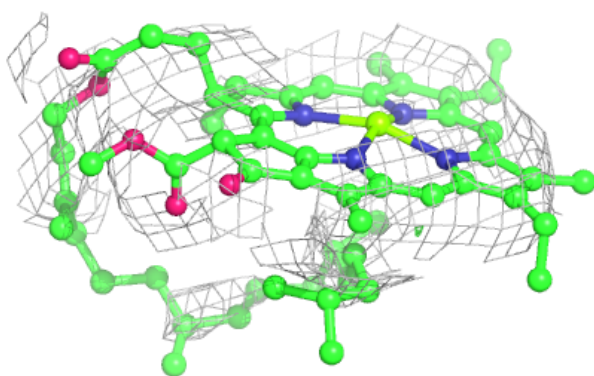
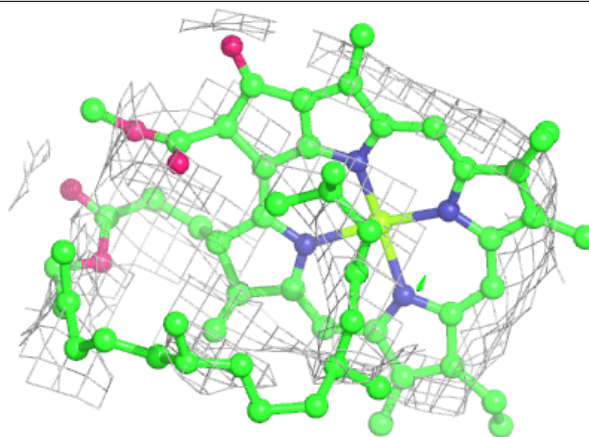
**Electron density around CLA L4 203:**

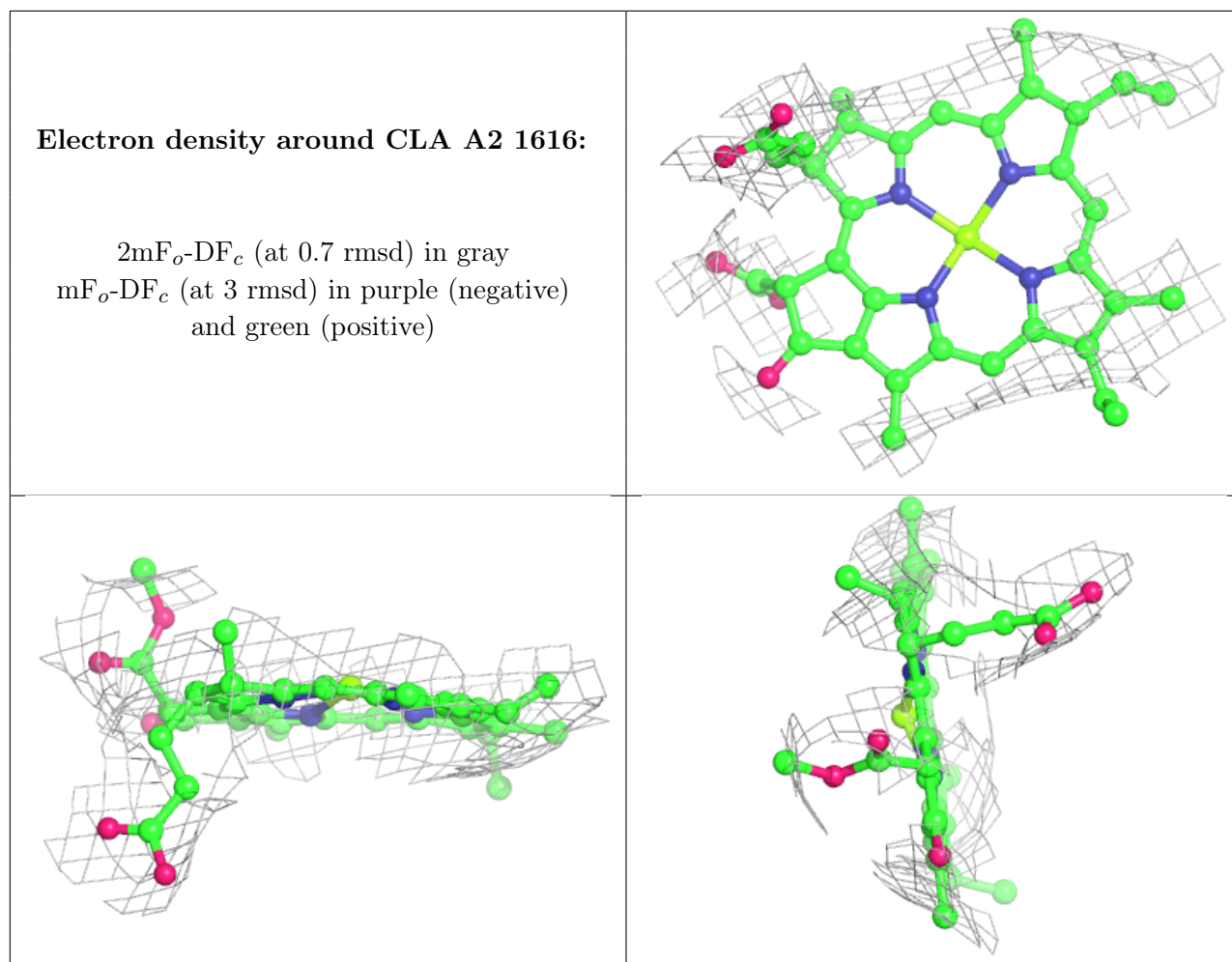
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

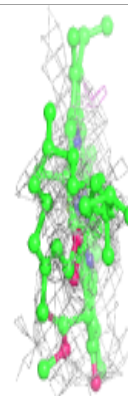
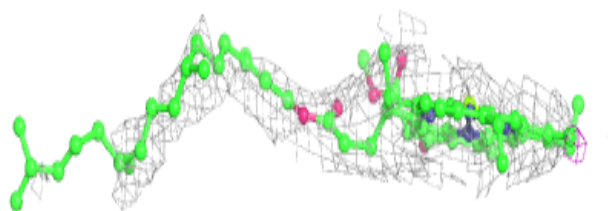
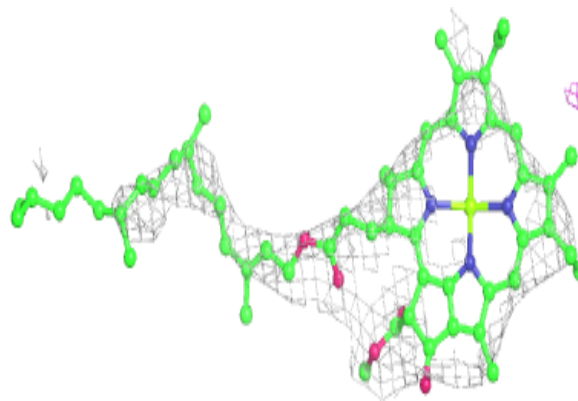




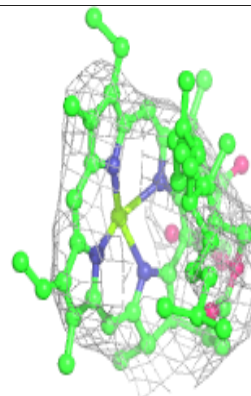
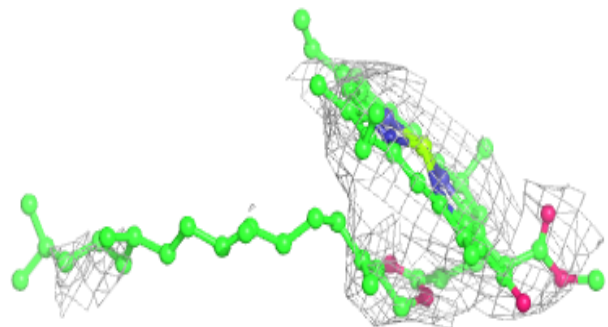
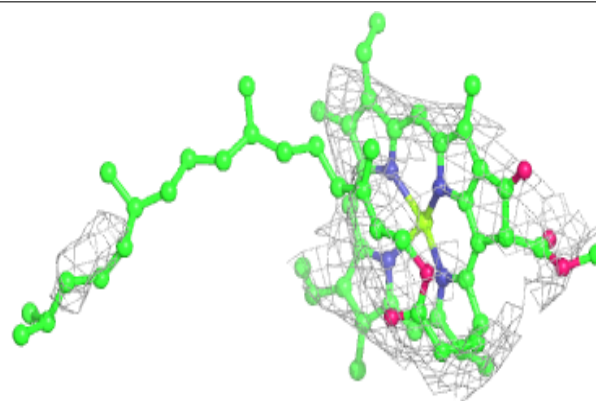


**Electron density around CLA A3 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

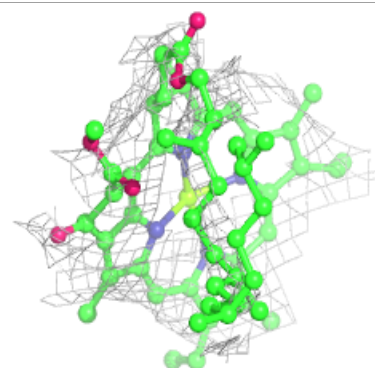
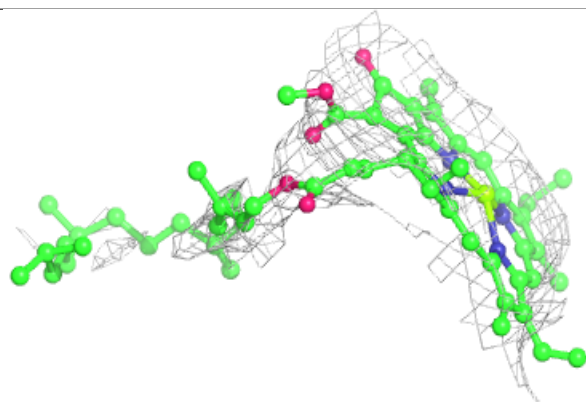
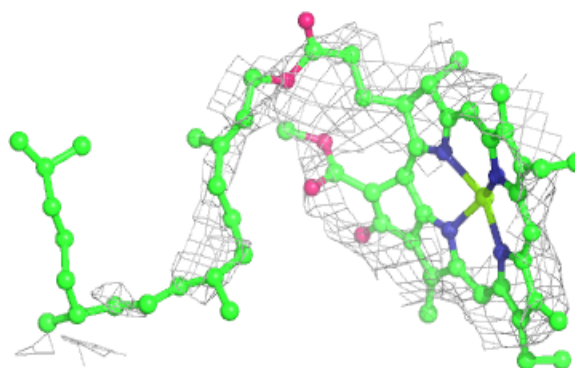
**Electron density around CLA A3 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

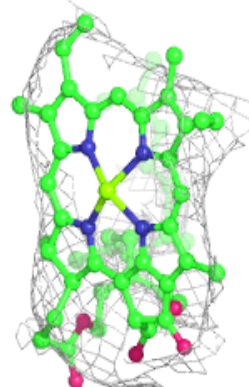
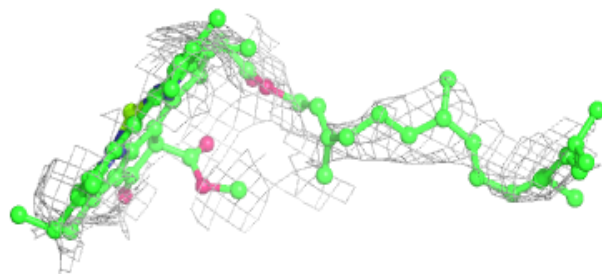
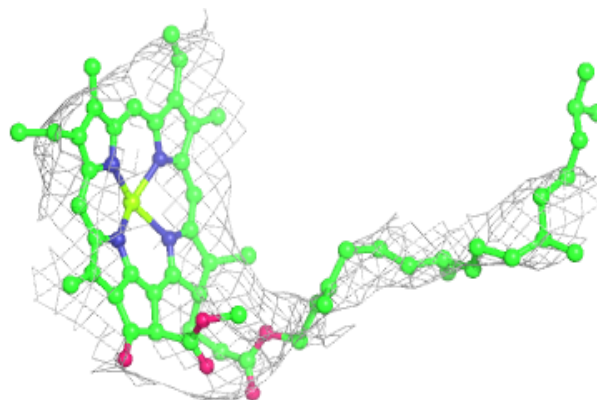


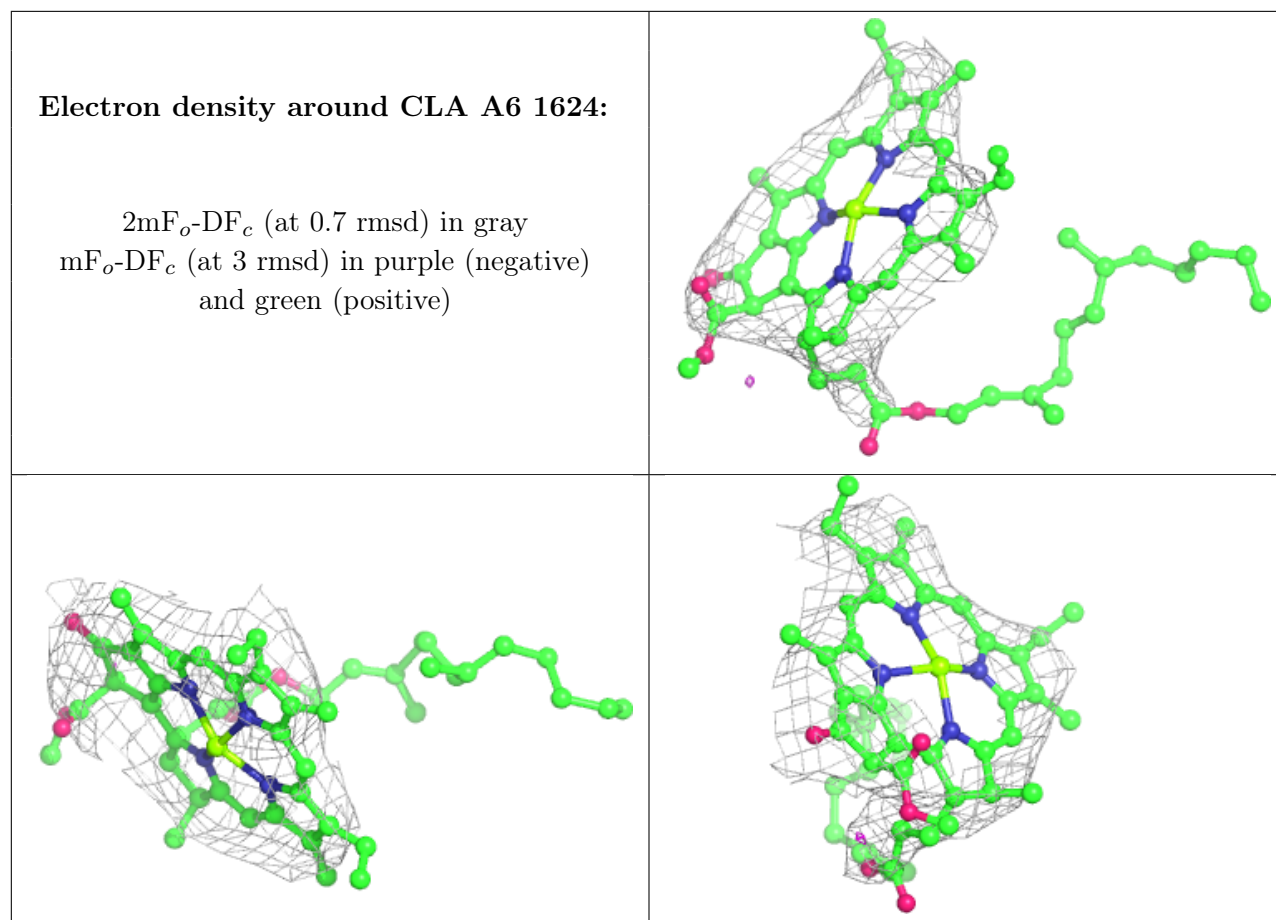
**Electron density around CLA A2 1602:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B1 854:**

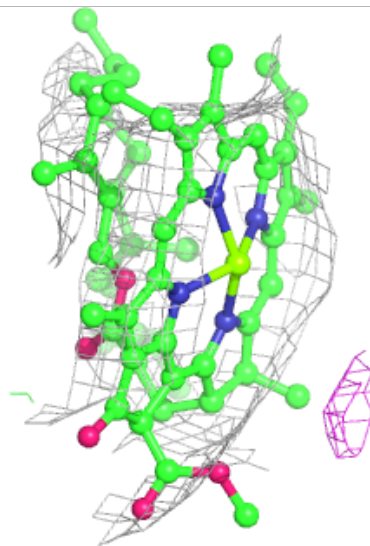
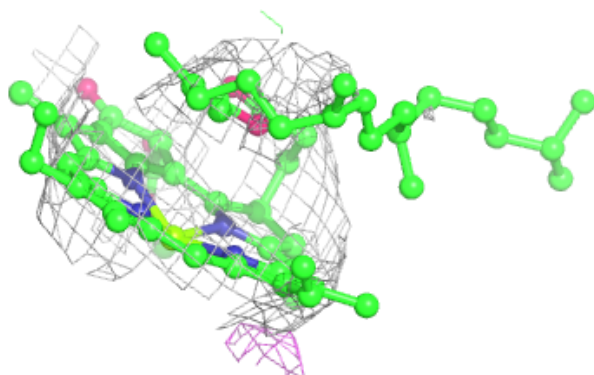
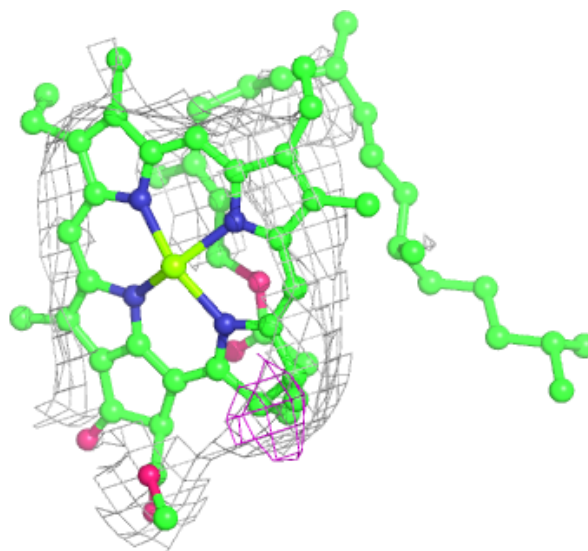
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

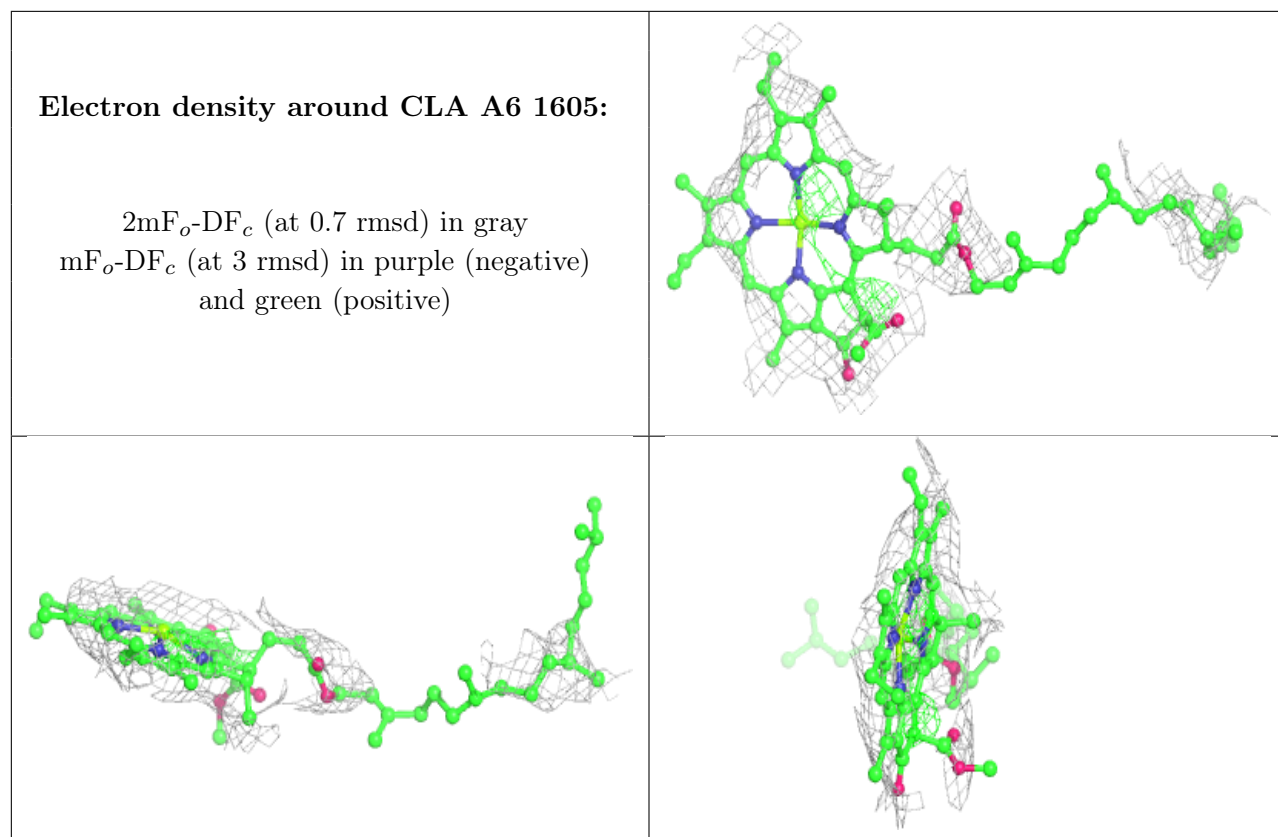




**Electron density around CLA B2 807:**

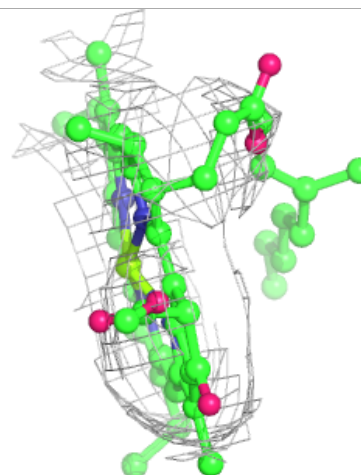
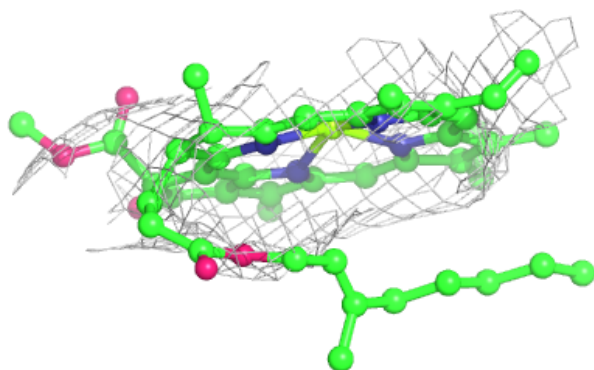
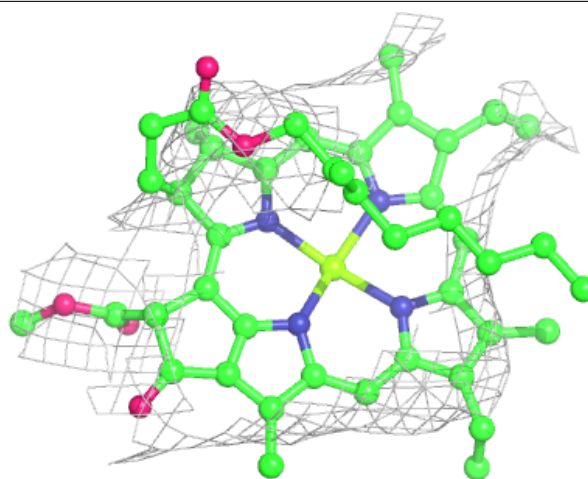
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA A5 818:**

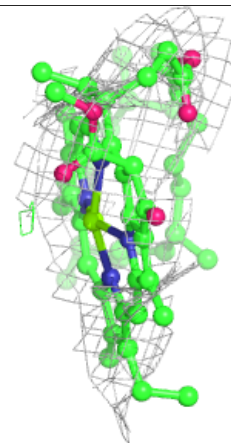
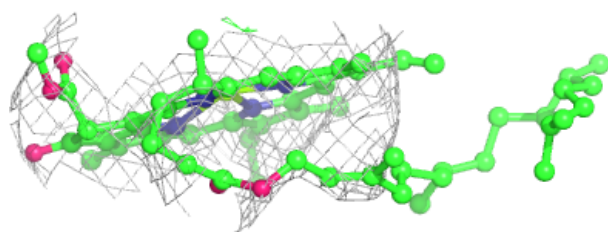
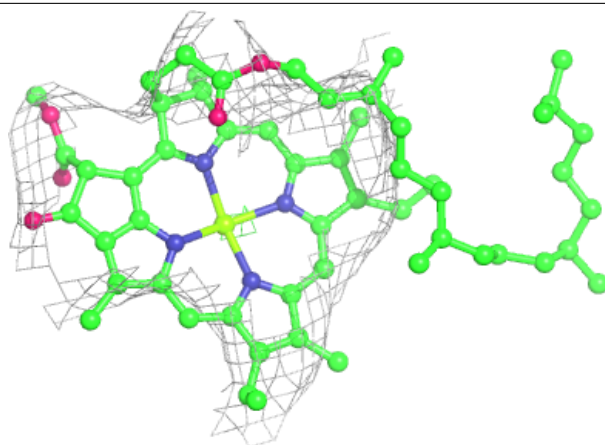
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



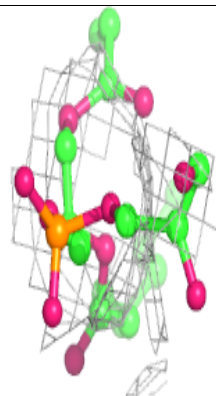
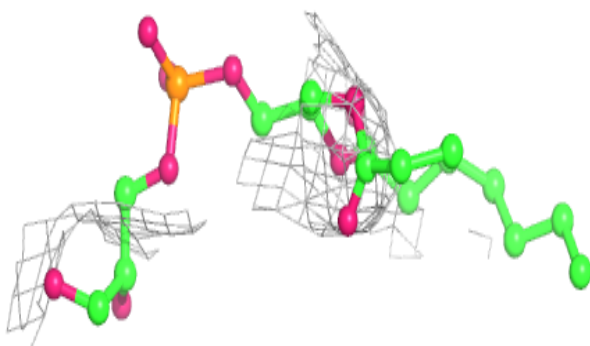
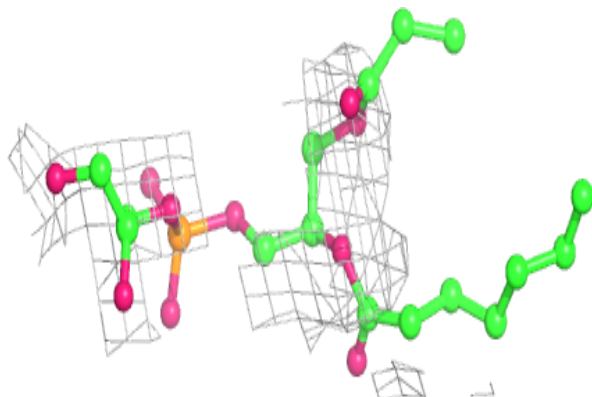


**Electron density around CLA A5 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

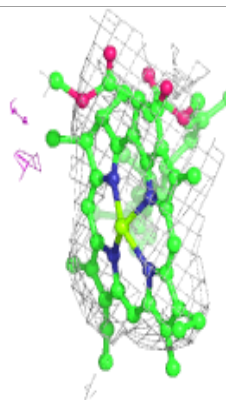
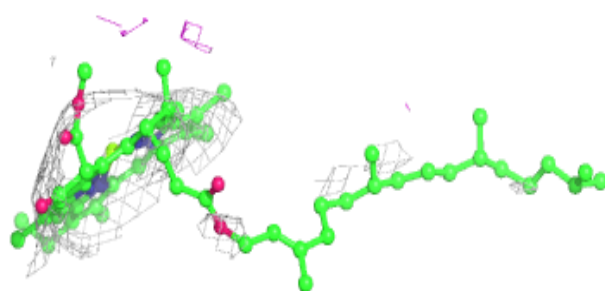
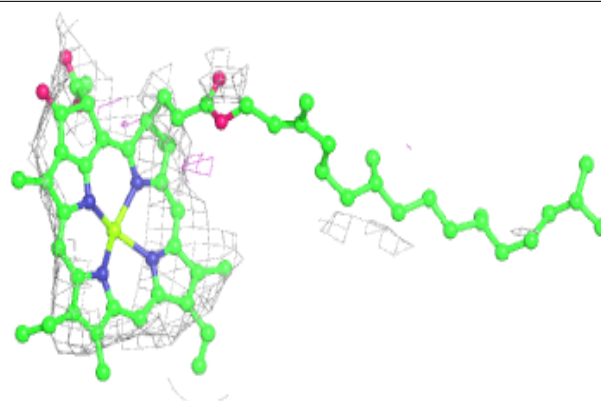
**Electron density around LHG A5 852:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

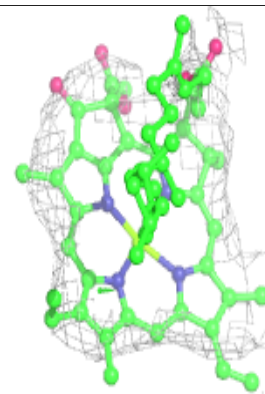
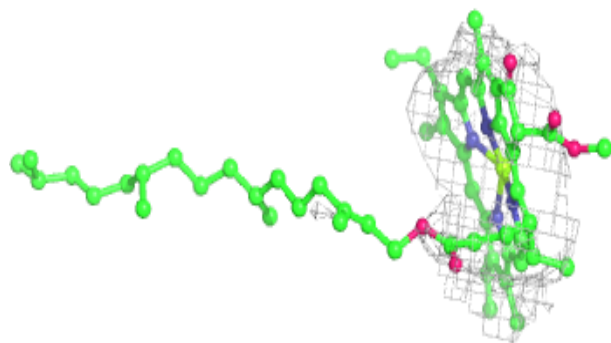
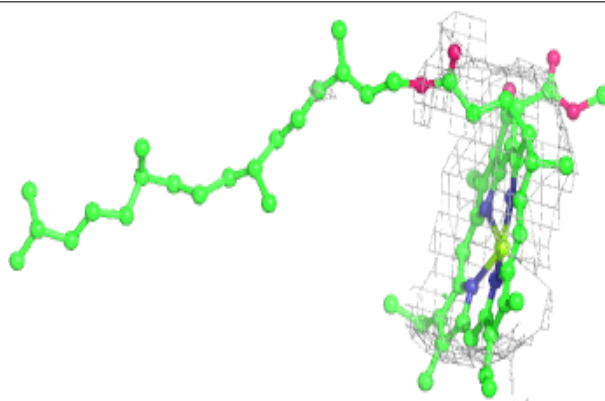


**Electron density around CLA A3 834:**

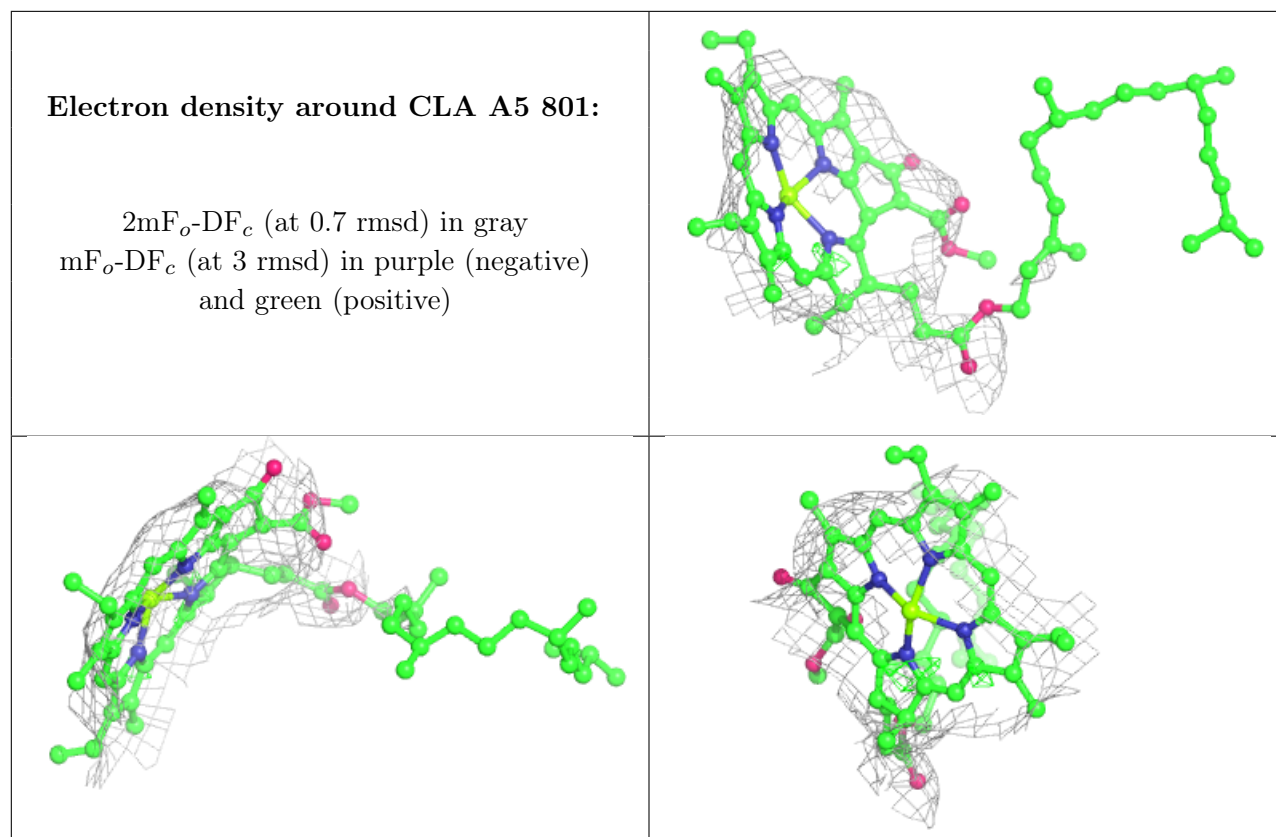
$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)

**Electron density around CLA B3 1831:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)

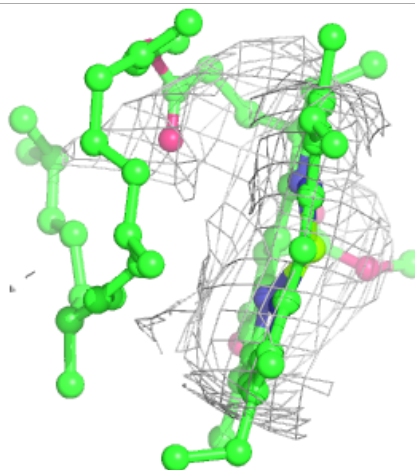
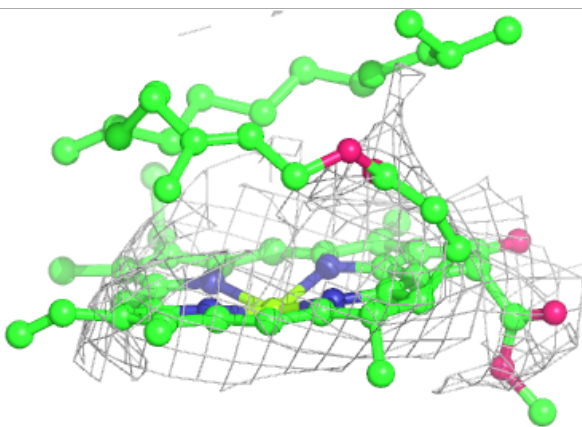
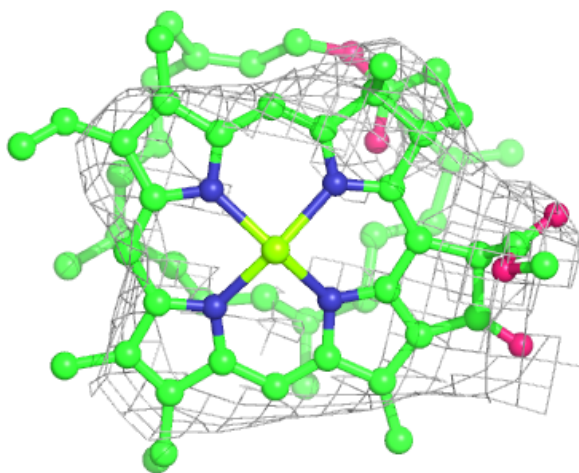






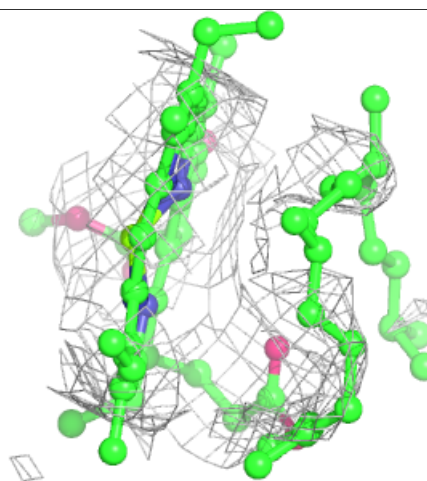
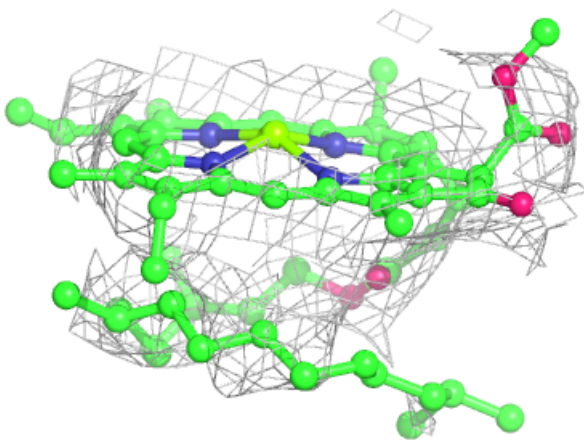
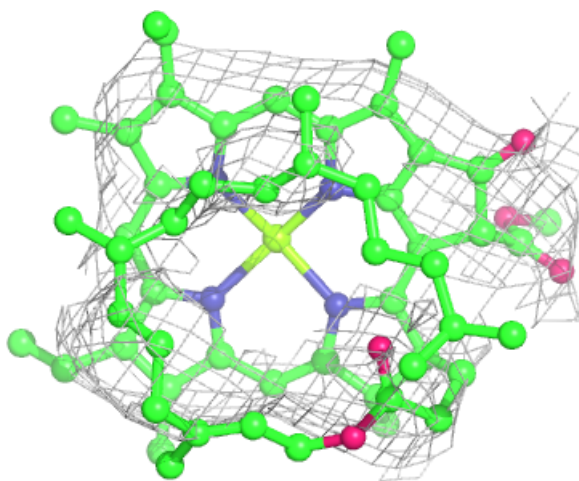
**Electron density around CLA L6 206:**

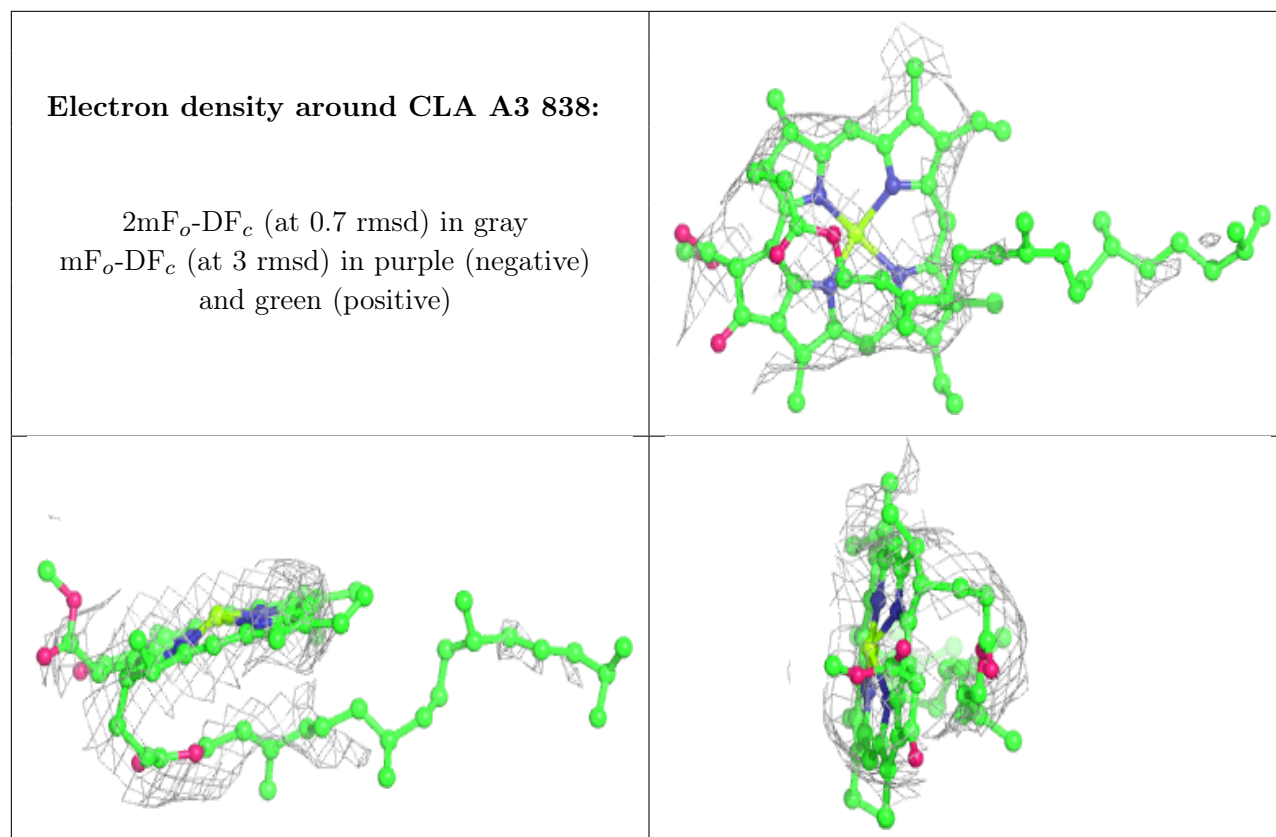
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA L1 205:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





## 6.5 Other polymers [i](#)

There are no such residues in this entry.