LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.281	29	33	37	rVV	151503	233172	2.73%	0.305%
2	2.328	37	41	48	rVB	272621	397453	4.66%	0.519%
3	2.469	55	65	75	rVB	406940	656698	7.69%	0.858%
4	3.022	141	159	165	rVV	2278297	4884759	57.22%	6.382%
5	3.110	165	174	178	rVV	265784	505403	5.92%	0.660%
6	3.157	178	182	188	rVV	340798	577825	6.77%	0.755%
7	3.240	188	196	205	rVB2	111846	239026	2.80%	0.312%
8	3.404	205	224	234	rVB2	351115	830082	9.72%	1.085%
9	3.575	246	253	262	rBV3	426060	758597	8.89%	0.991%
10	3.798	285	291	303	rVB	203571	403049	4.72%	0.527%
11	3.922	304	312	320	rVV2	812816	1766262	20.69%	2.308%
12	4.057	328	335	341	rVV	515241	836769	9.80%	1.093%
13	4.204	352	360	364	rBV2	831154	1134290	13.29%	1.482%
14	4.251	364	368	373	rVB	365183	459555	5.38%	0.600%
15	4.345	378	384	388	rBV2	198518	273764	3.21%	0.358%
16	4.534	409	416	423	rVB3	304310	545426	6.39%	0.713%
17	6.039	668	672	676	rVB3	258542	326236	3.82%	0.426%
18	6.128	681	687	690	rVV2	537579	687335	8.05%	0.898%
19	6.157	690	692	695	rVV	442311	397111	4.65%	0.519%
20	6.316	714	719	721	rBV	252030	310586	3.64%	0.406%
21	6.416	732	736	744	rBV3	303354	536448	6.28%	0.701%
22	6.510	744	752	754	rVV2	303427	411830	4.82%	0.538%
23	6.622	766	771	773	rVV2	315002	483743	5.67%	0.632%
24	6.645	773	775	782	rVV4	372811	562574	6.59%	0.735%
25	6.834	800	807	811	rBV4	148474	321375	3.76%	0.420%
26	6.939	821	825	829	rBV3	171380	278406	3.26%	0.364%
27	6.992	832	834	837	rVB2	356367	262604	3.08%	0.343%
28	7.028	837	840	843	rBV3	706437	712154	8.34%	0.930%
29	7.151	858	861	864	rVB3	302602	334163	3.91%	0.437%
30	7.275	876	882	884	rBV3	456735	447394	5.24%	0.585%
31	7.410	900	905	909	rBV4	838920	1066287	12.49%	1.393%
32	7.457	909	913	919	rVB4	333972	636501	7.46%	0.832%
33	7.522	919	924	927	rVB4	449252	672700	7.88%	0.879%
34	7.686	949	952	954	rVB2	434635	352513	4.13%	0.461%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
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Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.757	960	964	966	rBV	280648	322092	3.77%	0.421%
36	7.804	969	972	975	rVB3	513344	463384	5.43%	0.605%
37	7.898	985	988	991	rBV	732106	650673	7.62%	0.850%
38	7.981	998	1002	1007	rBV5	253331	383705	4.49%	0.501%
39	8.028	1007	1010	1014	rBV2	294318	373301	4.37%	0.488%
40	8.151	1027	1031	1034	rVV4	461755	807260	9.46%	1.055%
41	8.204	1038	1040	1045	rVV3	331818	471872	5.53%	0.617%
42	8.310	1055	1058	1061	rBV3	227431	246082	2.88%	0.322%
43	8.357	1064	1066	1070	rVV2	420276	489646	5.74%	0.640%
44	8.404	1070	1074	1076	rVV4	197191	253657	2.97%	0.331%
45	8.451	1078	1082	1085	rVB4	547091	602264	7.05%	0.787%
46	8.539	1094	1097	1101	rVB3	262911	306411	3.59%	0.400%
47	8.580	1101	1104	1106	rBV	1060378	865760	10.14%	1.131%
48	8.604	1106	1108	1110	rVV2	252538	239306	2.80%	0.313%
49	8.663	1115	1118	1121	rVV2	693677	557004	6.52%	0.728%
50	8.704	1121	1125	1127	rVV4	234661	243538	2.85%	0.318%
51	8.763	1130	1135	1137	rVV4	150842	287442	3.37%	0.376%
52	8.822	1142	1145	1147	rVV2	519957	508878	5.96%	0.665%
53	8.939	1162	1165	1167	rBV4	171040	236422	2.77%	0.309%
54	8.980	1169	1172	1175	rVV2	481557	505860	5.93%	0.661%
55	9.069	1185	1187	1190	rVV	336423	317620	3.72%	0.415%
56	9.180	1203	1206	1211	rVV	978047	929719	10.89%	1.215%
57	9.227	1211	1214	1217	rVB	325460	254356	2.98%	0.332%
58	9.316	1224	1229	1234	rBV4	267041	474555	5.56%	0.620%
59	9.386	1239	1241	1243	rVV	345734	300233	3.52%	0.392%
60	9.633	1279	1283	1286	rBV4	760404	813384	9.53%	1.063%
61	9.910	1323	1330	1333	rVB5	180896	252515	2.96%	0.330%
62	10.169	1369	1374	1381	rVB3	112206	235214	2.76%	0.307%
63	10.698	1461	1464	1468	rVB	275172	232940	2.73%	0.304%
64	10.827	1481	1486	1493	rVB	223367	243823	2.86%	0.319%
65	11.421	1585	1587	1591	rVV	1077948	972898	11.40%	1.271%
66	11.627	1615	1622	1624	rBV	262452	349432	4.09%	0.457%
67	11.863	1658	1662	1664	rBV	268573	244837	2.87%	0.320%
68	11.892	1664	1667	1671	rBV3	479340	682293	7.99%	0.891%
69	11.951	1675	1677	1682	rBV4	311908	436729	5.12%	0.571%
70	12.027	1683	1690	1693	rVV2	656108	837333	9.81%	1.094%
71	12.098	1699	1702	1707	rVB	968901	927170	10.86%	1.211%

LSC Area Percent Report

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Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.157	1708	1712	1714	rBV4	278716	336053	3.94%	0.439%
73	12.180	1714	1716	1718	rVV2	553498	489699	5.74%	0.640%
74	12.239	1722	1726	1728	rBV	312373	309442	3.62%	0.404%
75	12.357	1741	1746	1749	rVV	7280820	8536733	100.00%	11.153%
76	12.486	1766	1768	1772	rVB4	351718	358218	4.20%	0.468%
77	12.616	1787	1790	1793	rVB	929333	783149	9.17%	1.023%
78	12.657	1793	1797	1800	rBV	2106099	1830112	21.44%	2.391%
79	12.845	1822	1829	1836	rBV2	1322237	2076631	24.33%	2.713%
80	12.927	1840	1843	1846	rVV	383803	355956	4.17%	0.465%
81	12.974	1846	1851	1855	rVV3	568521	766988	8.98%	1.002%
82	13.086	1866	1870	1872	rBV3	245211	317023	3.71%	0.414%
83	13.127	1873	1877	1880	rVV	2262612	2063229	24.17%	2.696%
84	13.192	1886	1888	1890	rVV	468478	374052	4.38%	0.489%
85	13.215	1890	1892	1898	rVV2	818718	1047123	12.27%	1.368%
86	13.268	1898	1901	1903	rVV2	395723	485256	5.68%	0.634%
87	13.292	1903	1905	1909	rVB4	321100	367698	4.31%	0.480%
88	13.415	1920	1926	1933	rBV4	848653	1763604	20.66%	2.304%
89	13.492	1935	1939	1947	rBV	1417188	1946106	22.80%	2.543%
90	13.557	1947	1950	1953	rVV	771890	712406	8.35%	0.931%
91	13.710	1973	1976	1978	rVV2	592928	558816	6.55%	0.730%
92	13.768	1980	1986	1987	rVV4	341285	742028	8.69%	0.969%
93	13.798	1988	1991	1995	rVB2	1126955	1276442	14.95%	1.668%
94	13.886	2001	2006	2009	rVV	2248929	2451399	28.72%	3.203%
95	13.921	2009	2012	2017	rVB	2955681	3036920	35.57%	3.968%
96	14.045	2030	2033	2036	rBV2	474956	545181	6.39%	0.712%
97	14.204	2056	2060	2063	rBV	892383	850454	9.96%	1.111%
98	14.504	2108	2111	2115	rBV	726359	697236	8.17%	0.911%
99	14.815	2161	2164	2170	rVB	509919	592455	6.94%	0.774%
100	15.157	2219	2222	2228	rVB	227983	247201	2.90%	0.323%

Sum of corrected areas: 76539308

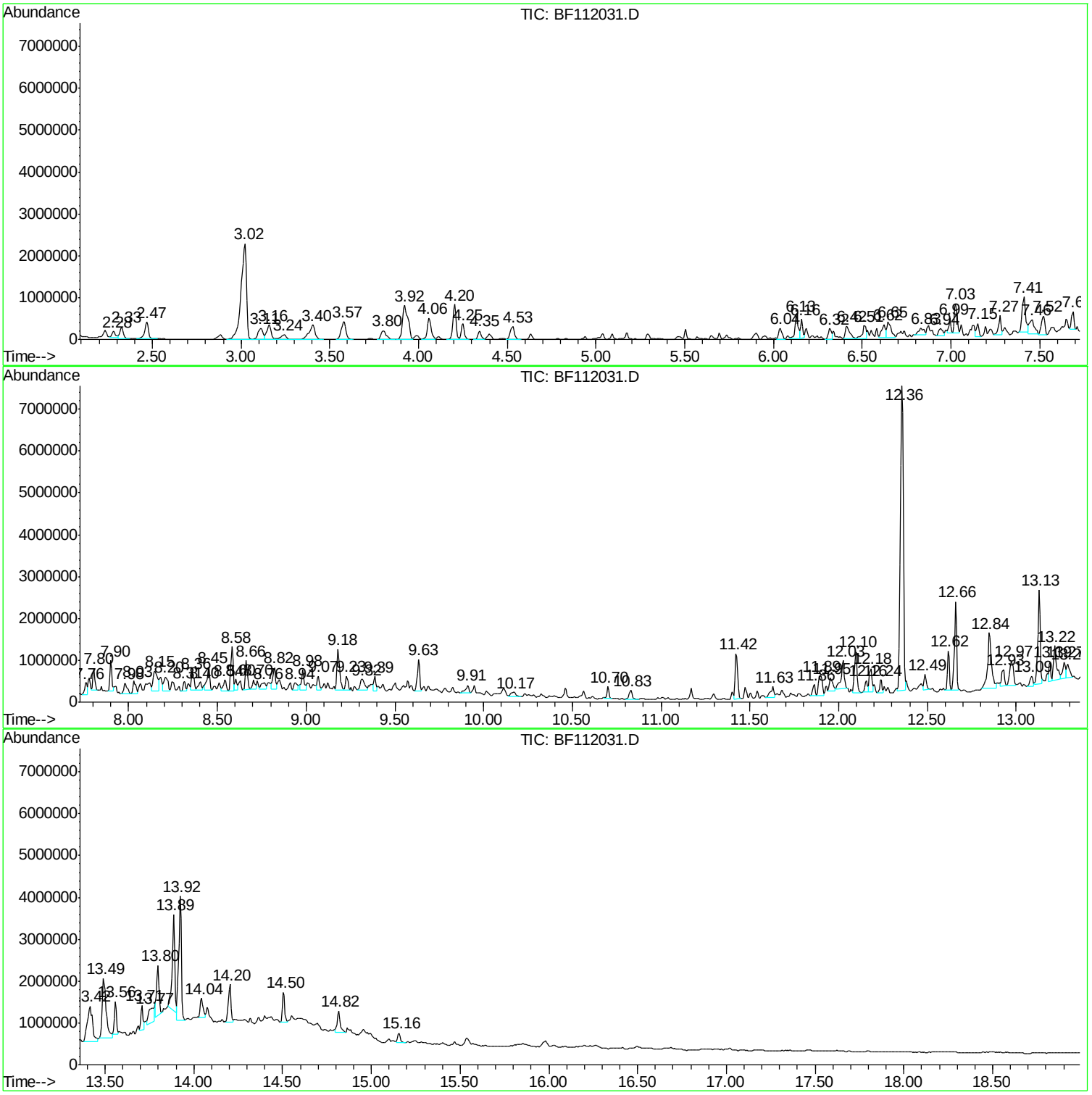
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

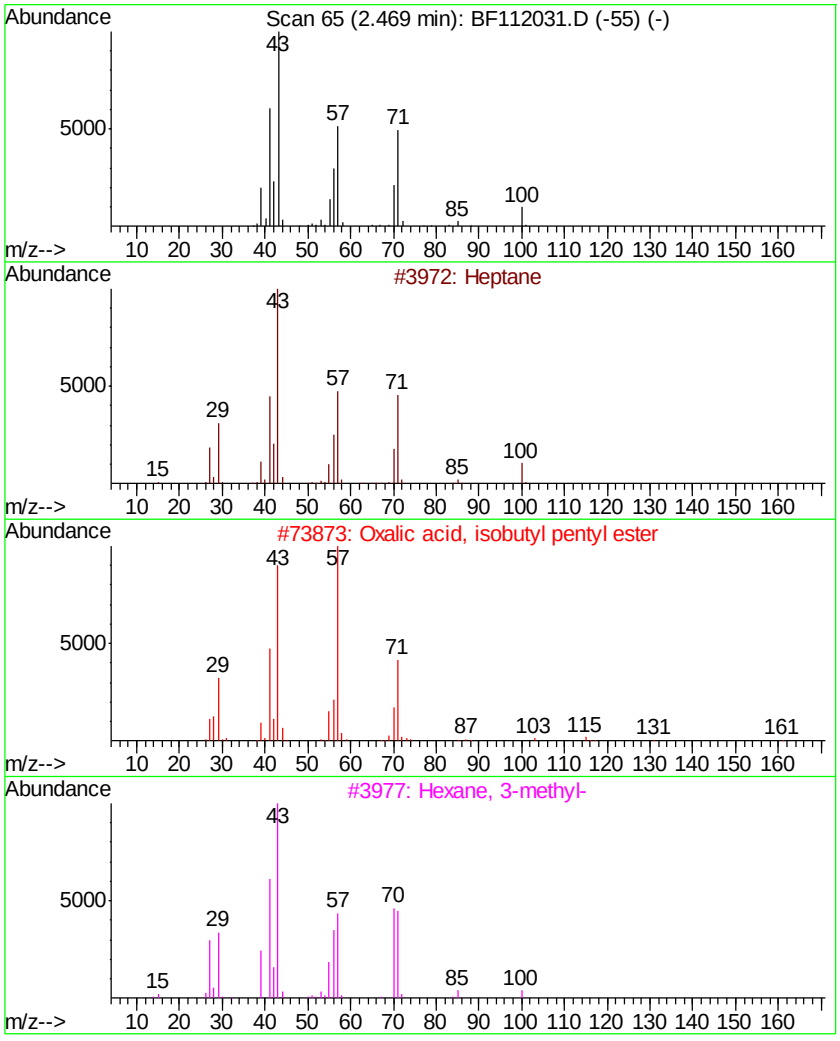
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

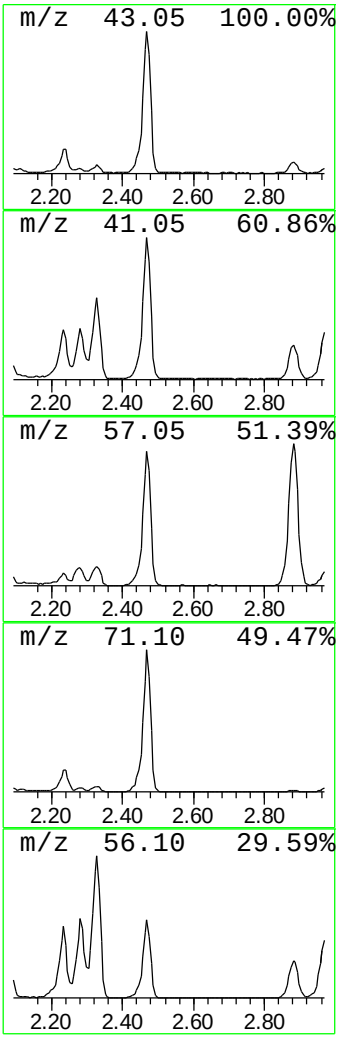
****

Peak Number 1 Heptane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.47	40.87 ng	656698	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	50
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	45
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	40
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	33





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

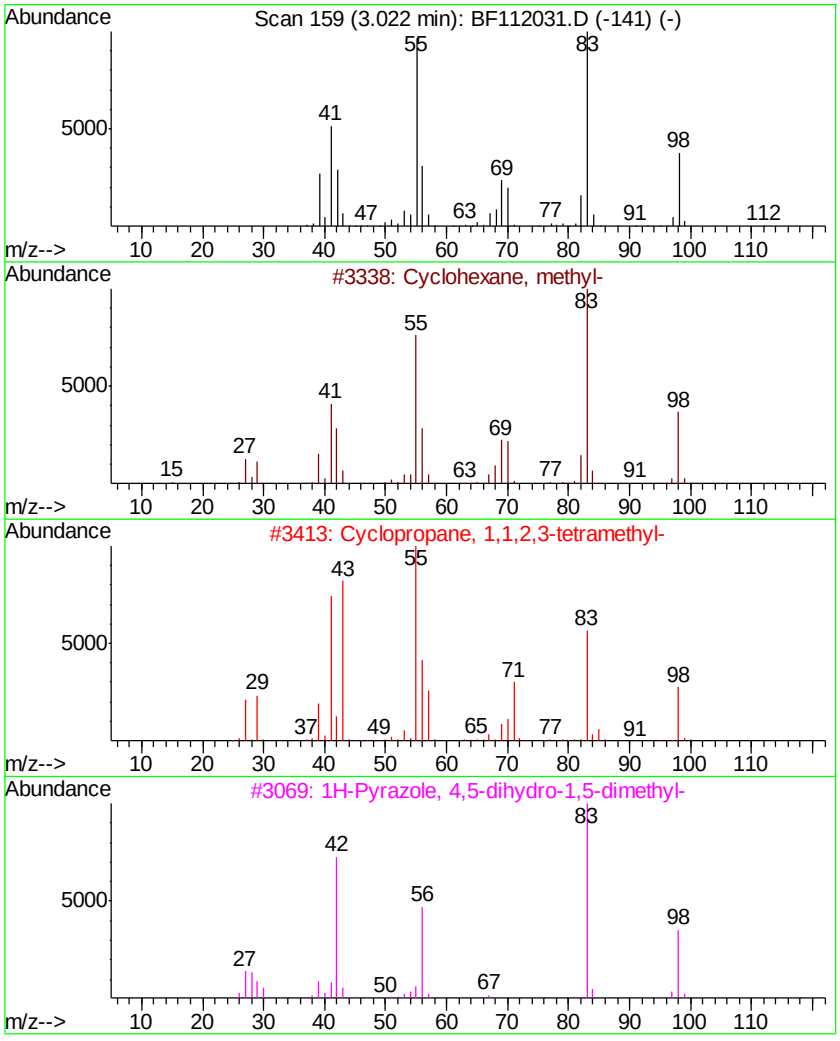
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

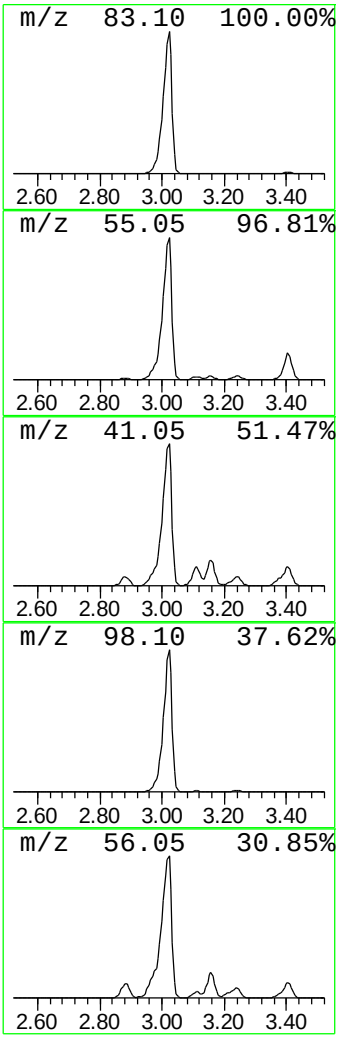
****

Peak Number 2 Cyclohexane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	303.99 ng	4884760	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	64
3	1H-Pyrazole, 4,5-dihydro-1,5-dim...	98	C5H10N2	005775-96-2	64
4	1H-Pyrazole, 4,5-dihydro-4,5-dim...	98	C5H10N2	028019-94-5	59
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	58





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Acq On : 11 Jan 2019 22:27
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Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

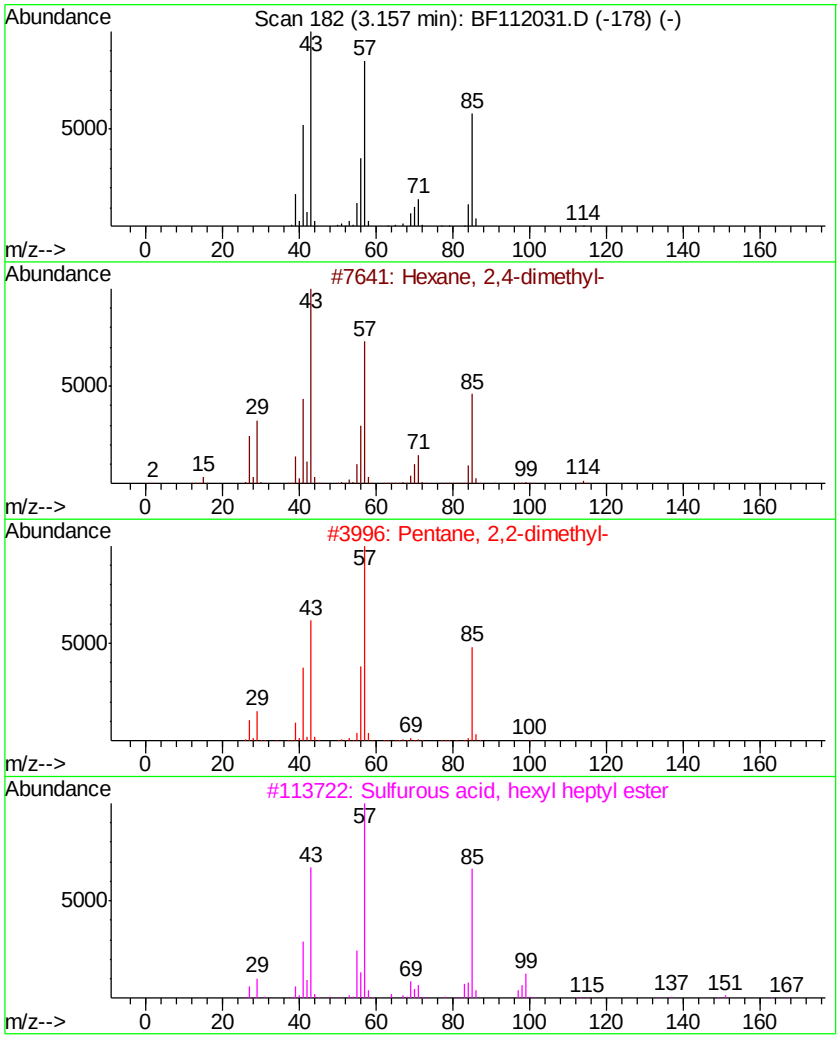
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

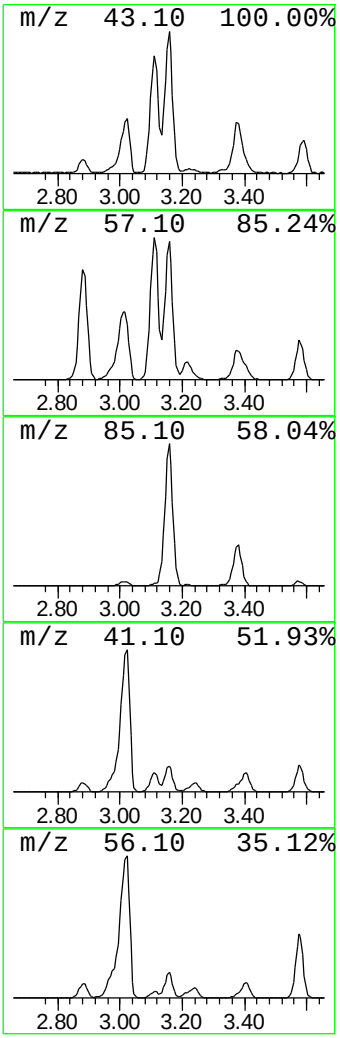
****

Peak Number 3 Hexane, 2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	35.96 ng	577825	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
3	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	59
4	Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	53
5	Sulfurous acid, butyl isohexyl e...	222	C10H22O3S	1000309-17-2	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

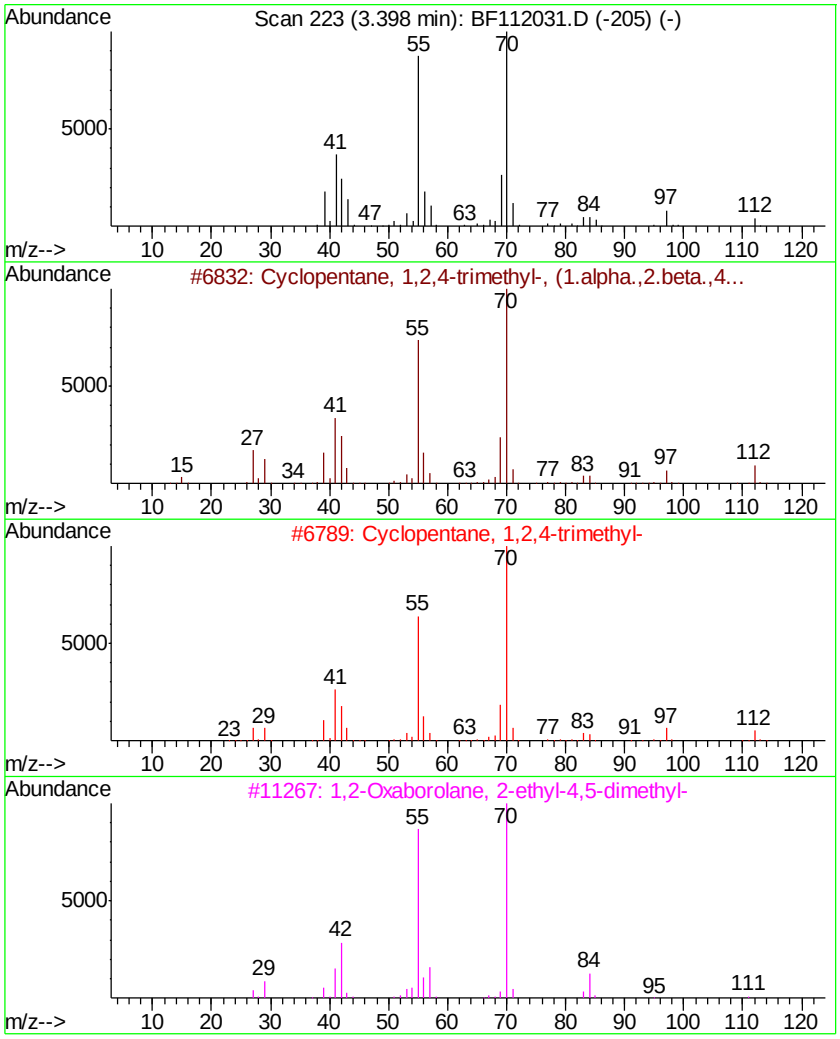
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

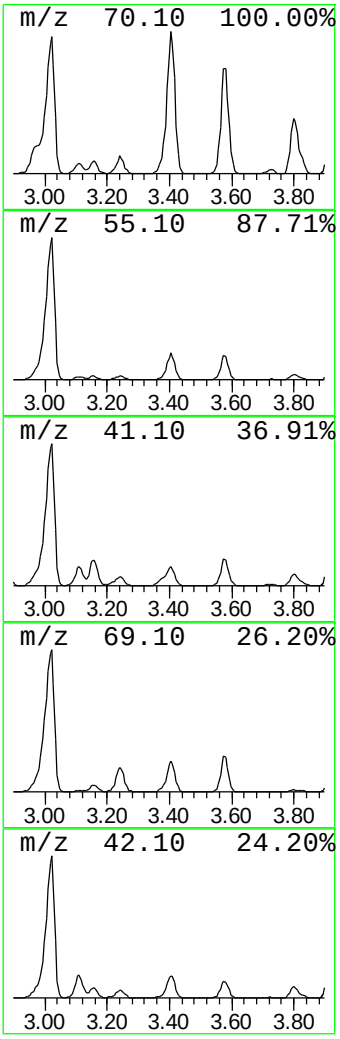
****

Peak Number 4 Cyclopentane, 1,2,4-trimeth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.40	51.66 ng	830082	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	83
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	83
3	1,2-Oxaborolane, 2-ethyl-4,5-dim...	126	C7H15BO	074685-45-3	72
4	3-Ethyl-3-methylglutaric anhydride	156	C8H12O3	006970-57-6	72
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

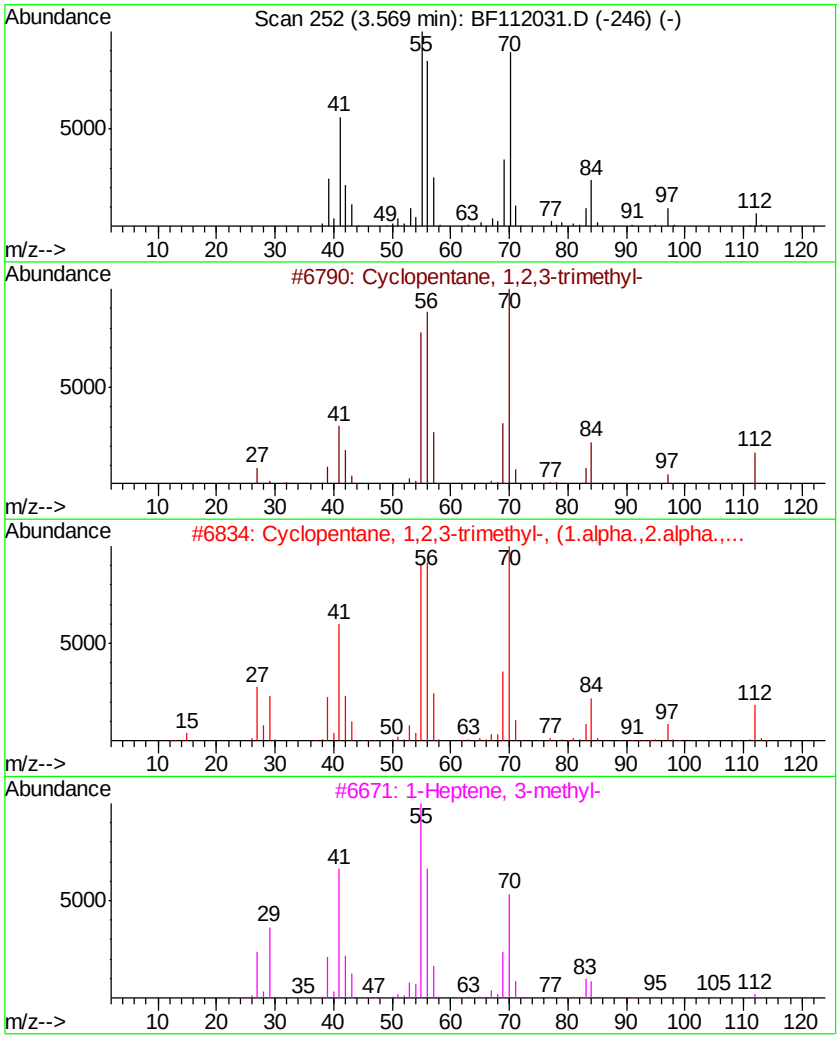
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

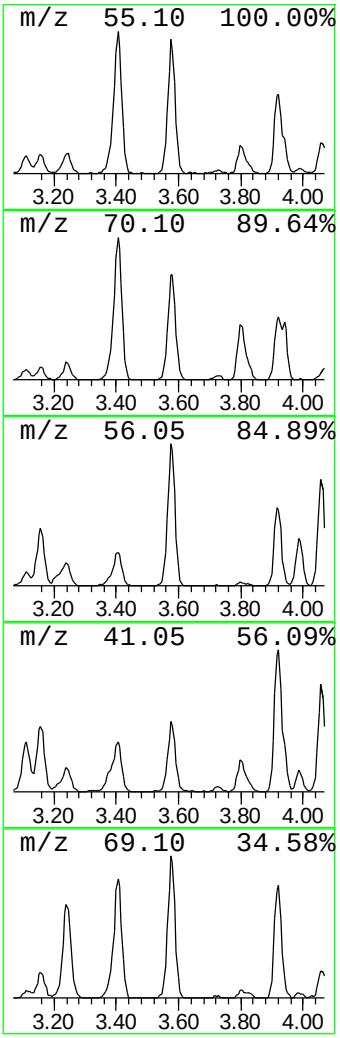
****

Peak Number 5 Cyclopentane, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.57	47.21 ng	758597	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	83
3	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	80
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64





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Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

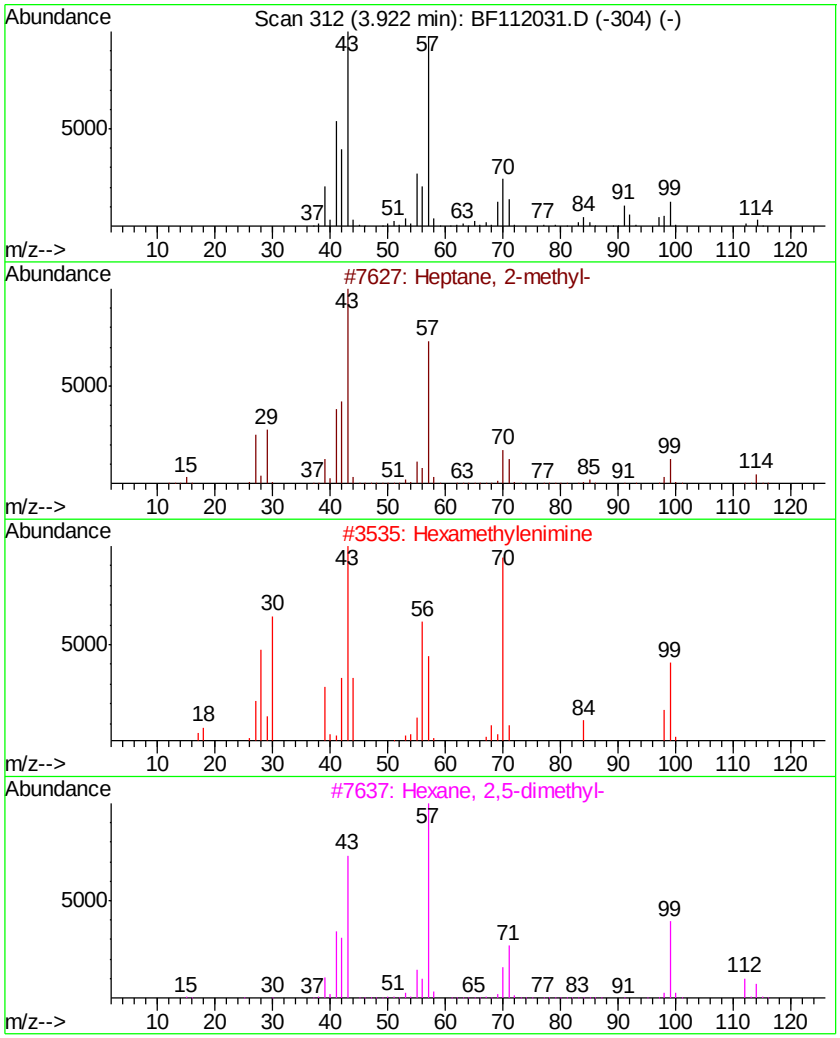
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

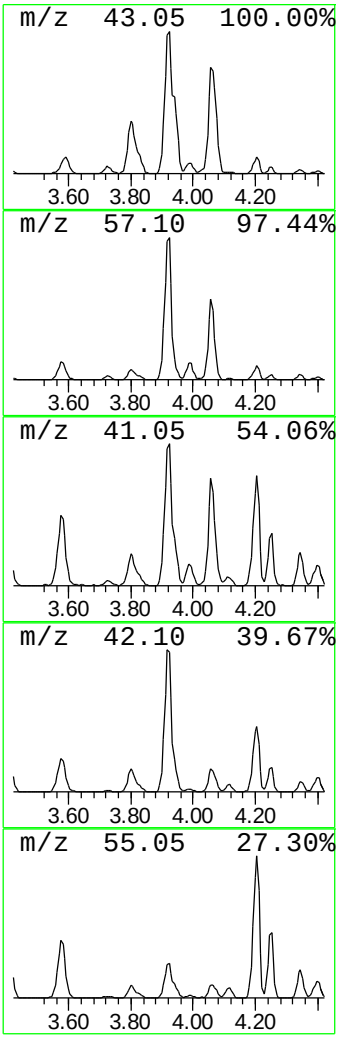
****

Peak Number 6 unknown3.92 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	109.92 ng	1766260	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	47
2	Hexamethylenimine	99	C6H13N	000111-49-9	38
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	38
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	37
5	2-Propyl-1-Pentanol, trifluoroac...	226	C10H17F3O2	1000365-19-7	37





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Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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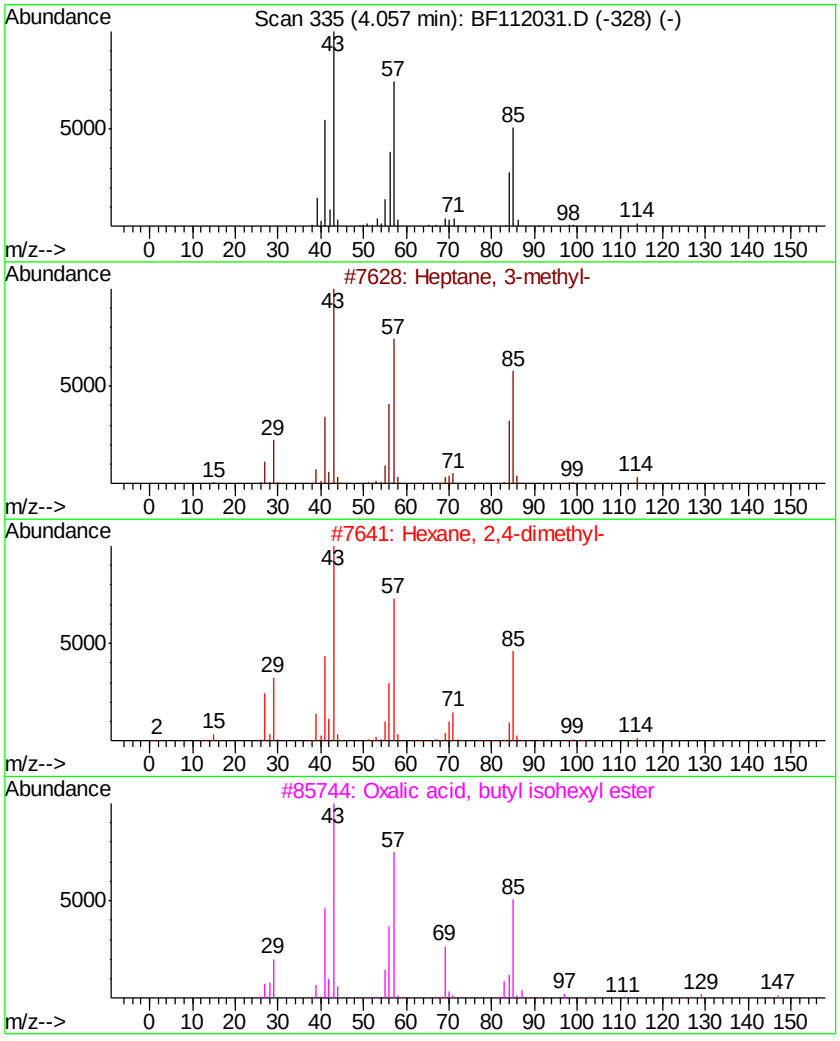
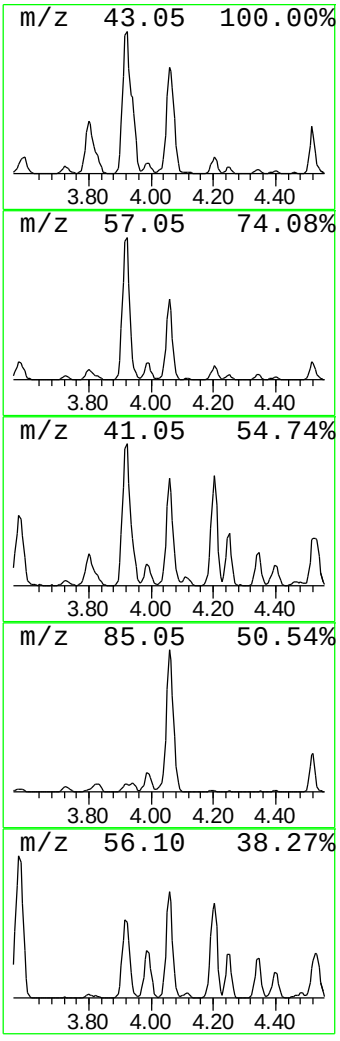
Peak Number 7 Heptane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.06	52.07 ng	836769	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
3	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	72
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	52
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	50





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Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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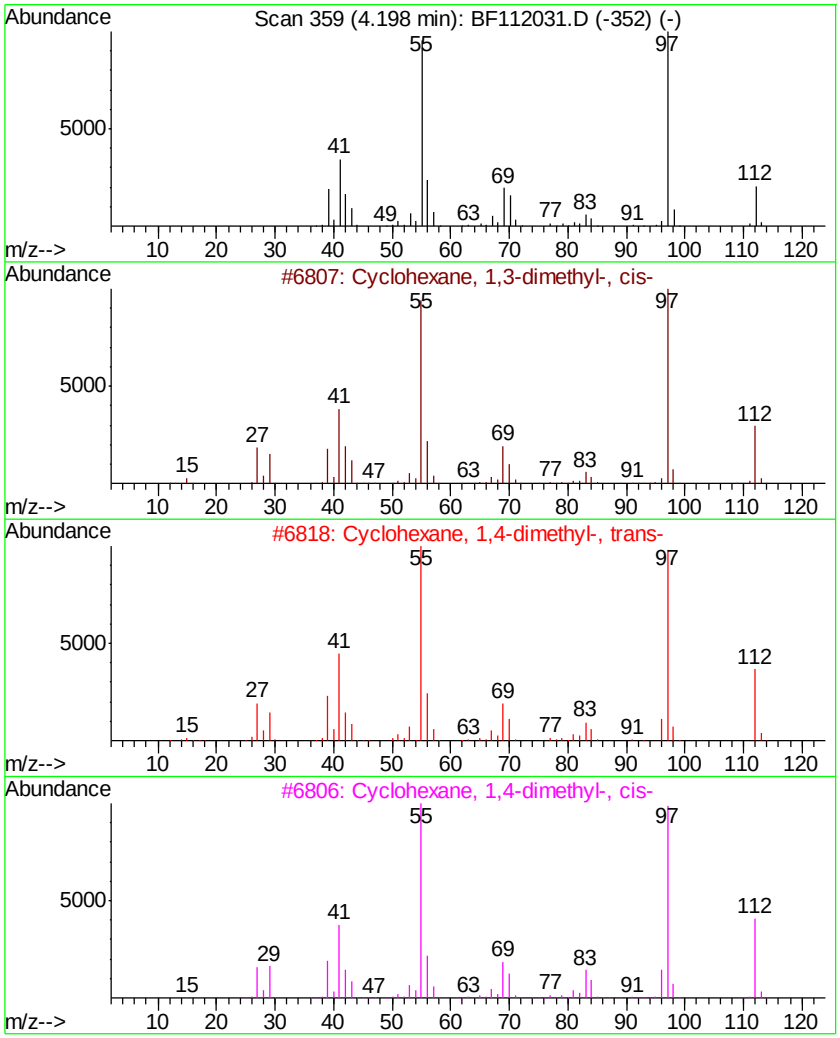
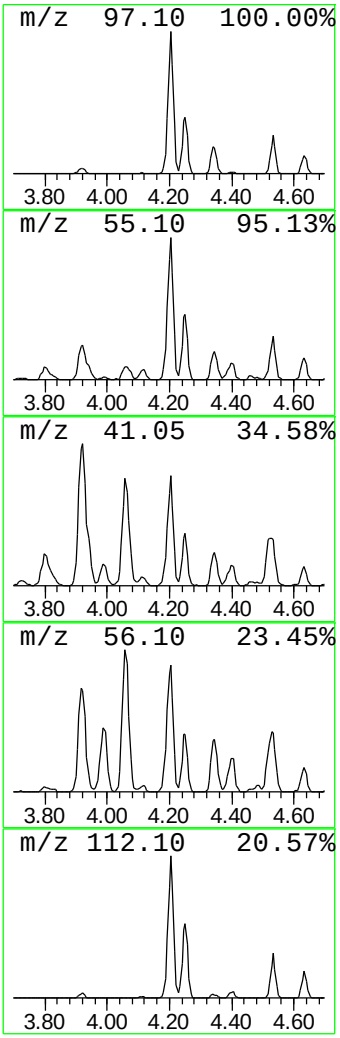
Peak Number 8 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	70.59 ng	1134290	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	97
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
4	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	90
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90





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Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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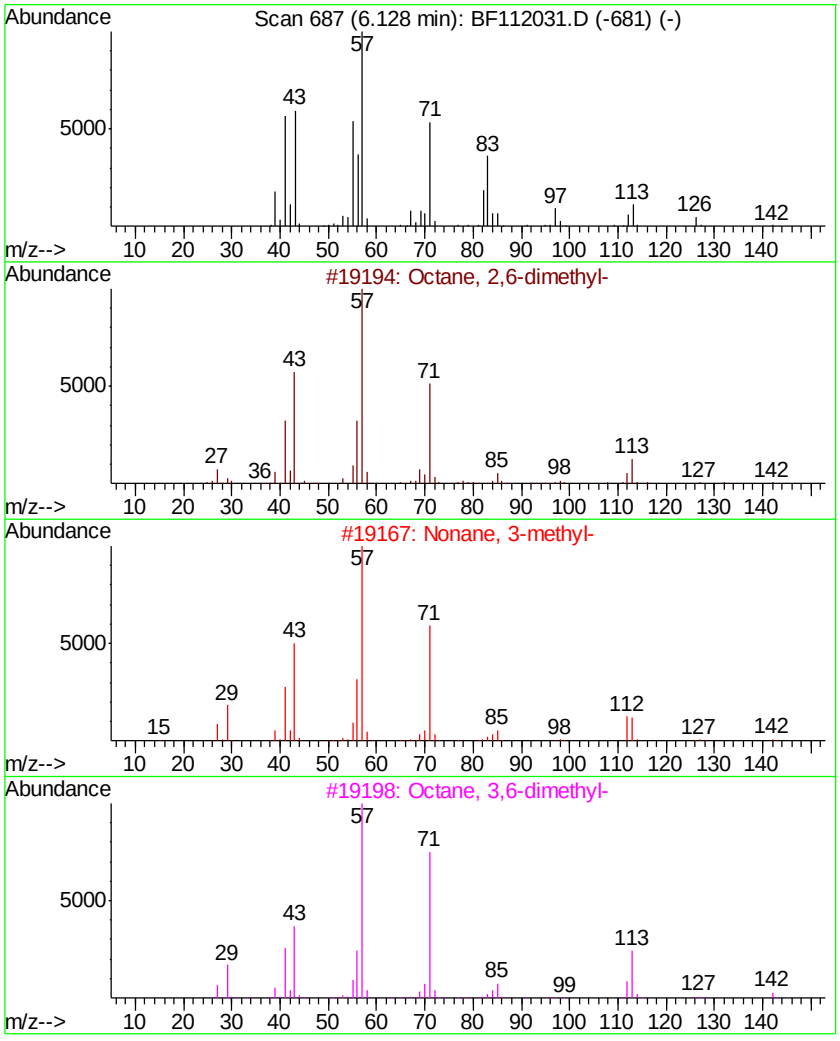
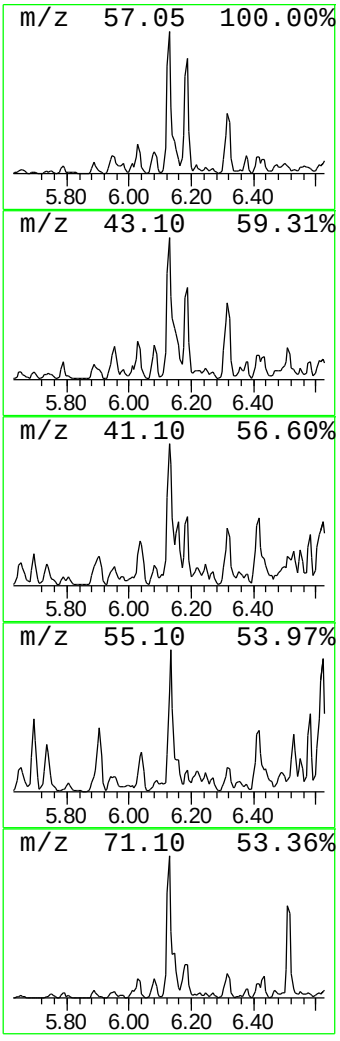
Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	42.77 ng	687335	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	70
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	70
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
4	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	50
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	43





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Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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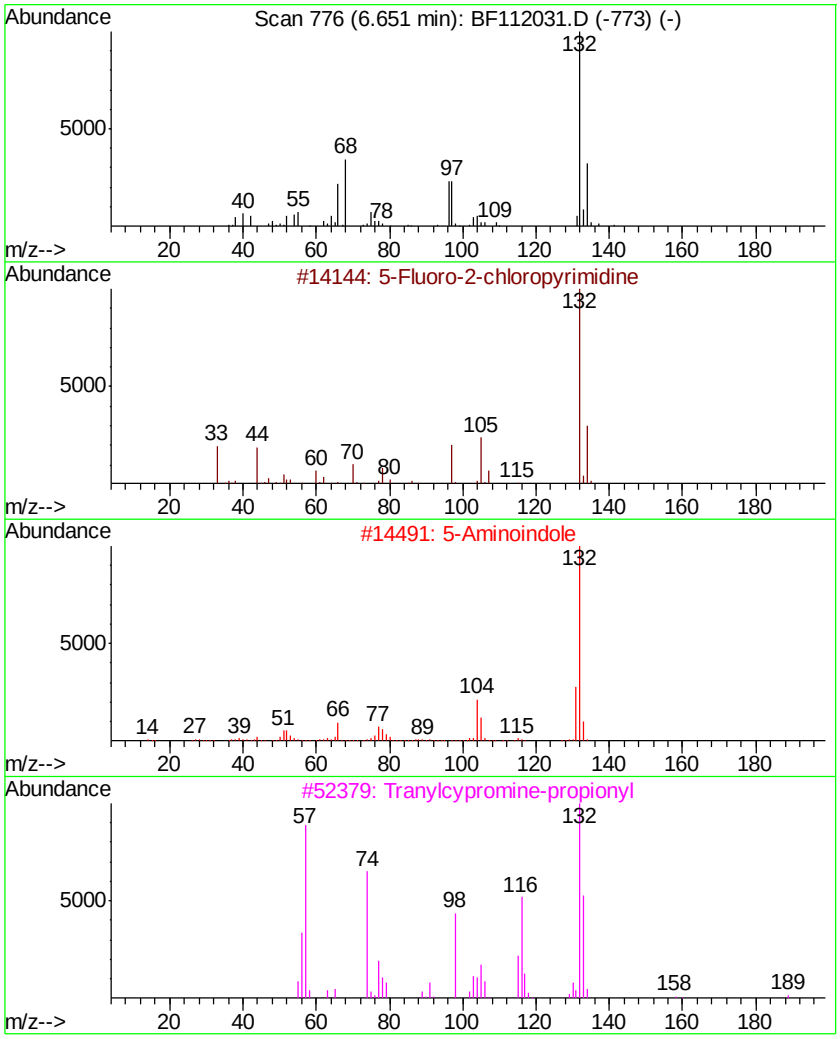
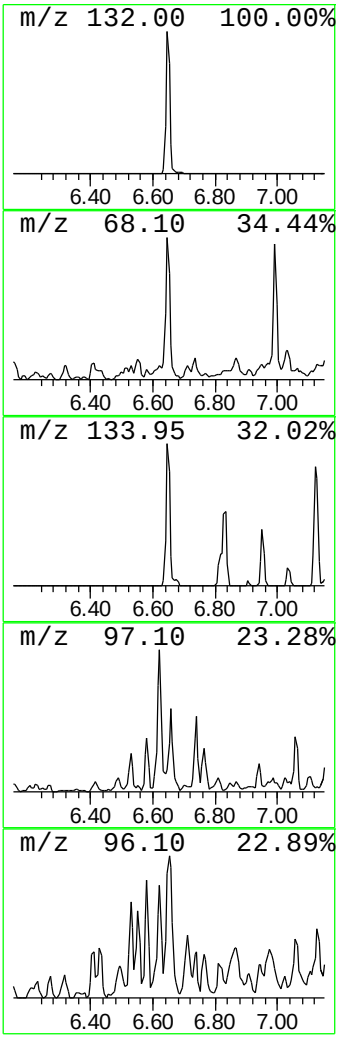
Peak Number 10 unknown6.65 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	35.01 ng	562574	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
2	5-Aminoindole	132	C8H8N2	005192-03-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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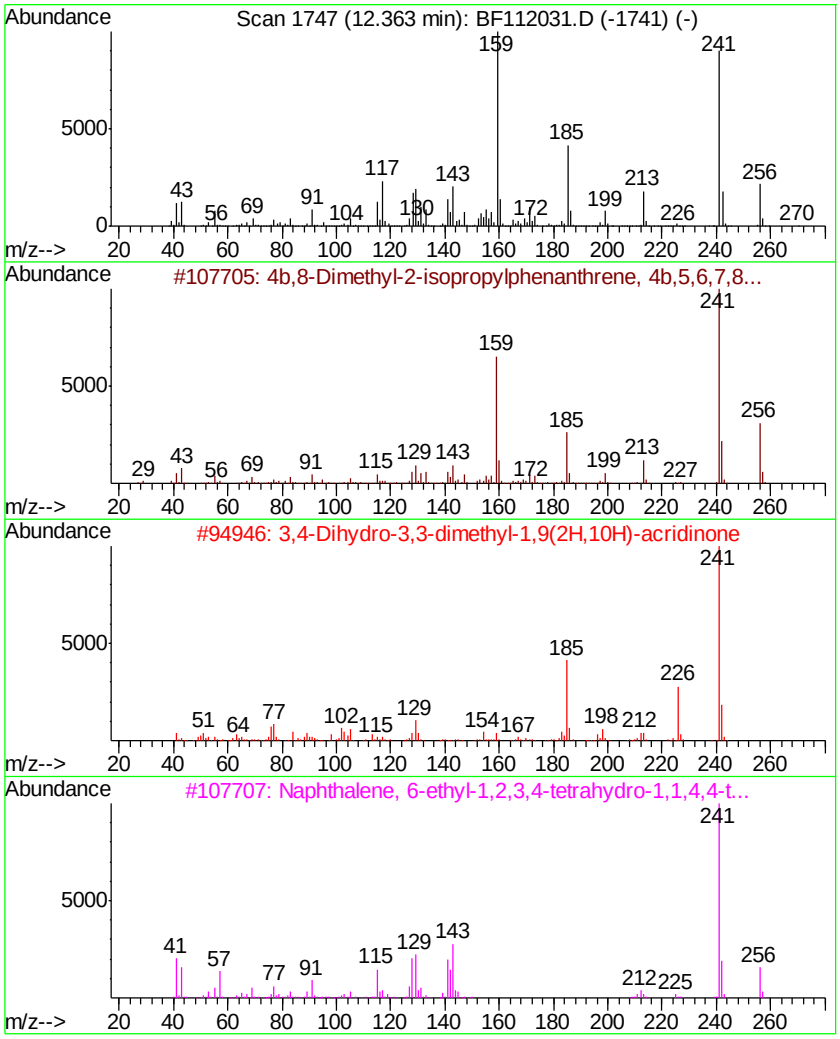
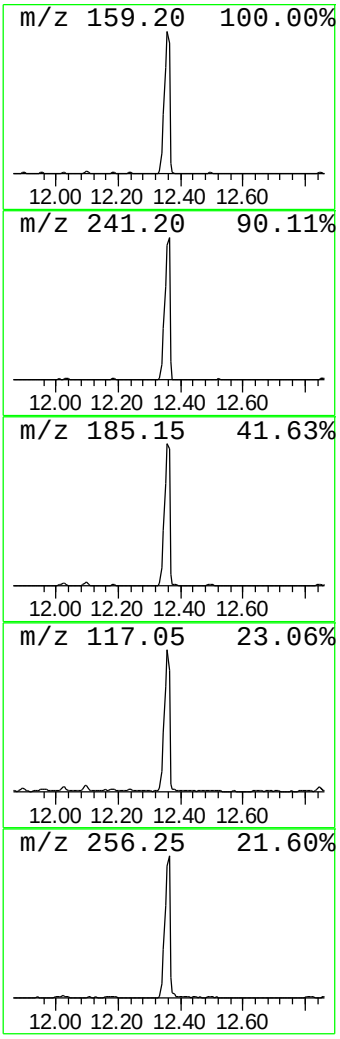
Peak Number 12 4b,8-Dimethyl-2-isopropylph... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	175.49 ng	8536730	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	43
3	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	30
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	22
5	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	22





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Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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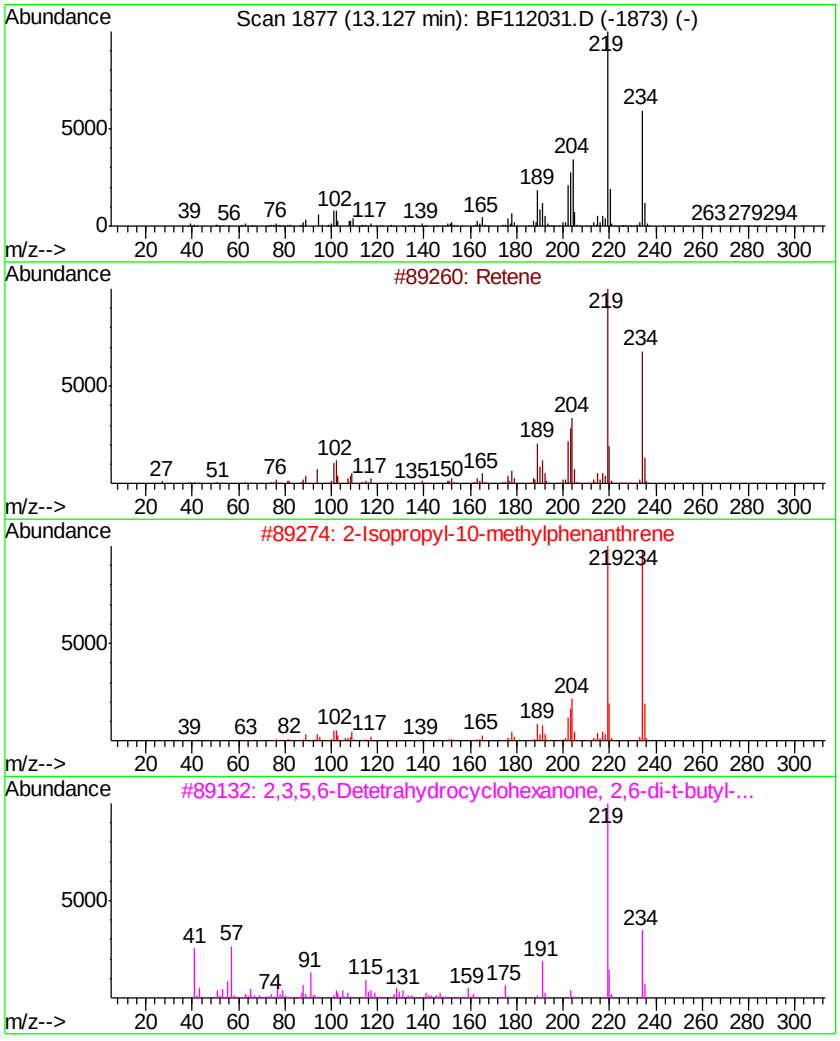
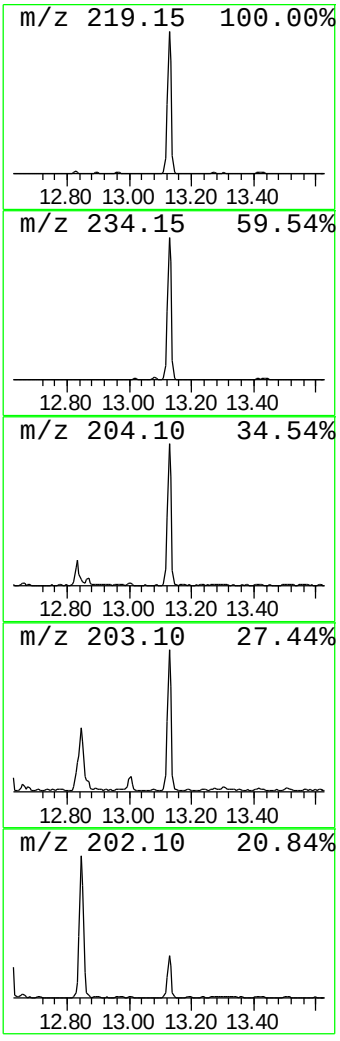
Peak Number 13 Retene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	75.69 ng	2063230	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	2,3,5,6-Detetrahydrocyclohexanon...	234	C15H22O2	101100-38-3	53
4	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	52
5	1-Ethanone, 1-(4-amino-7-chloro-...	234	C12H11ClN2O	1000350-06-0	52





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Sample : K1102-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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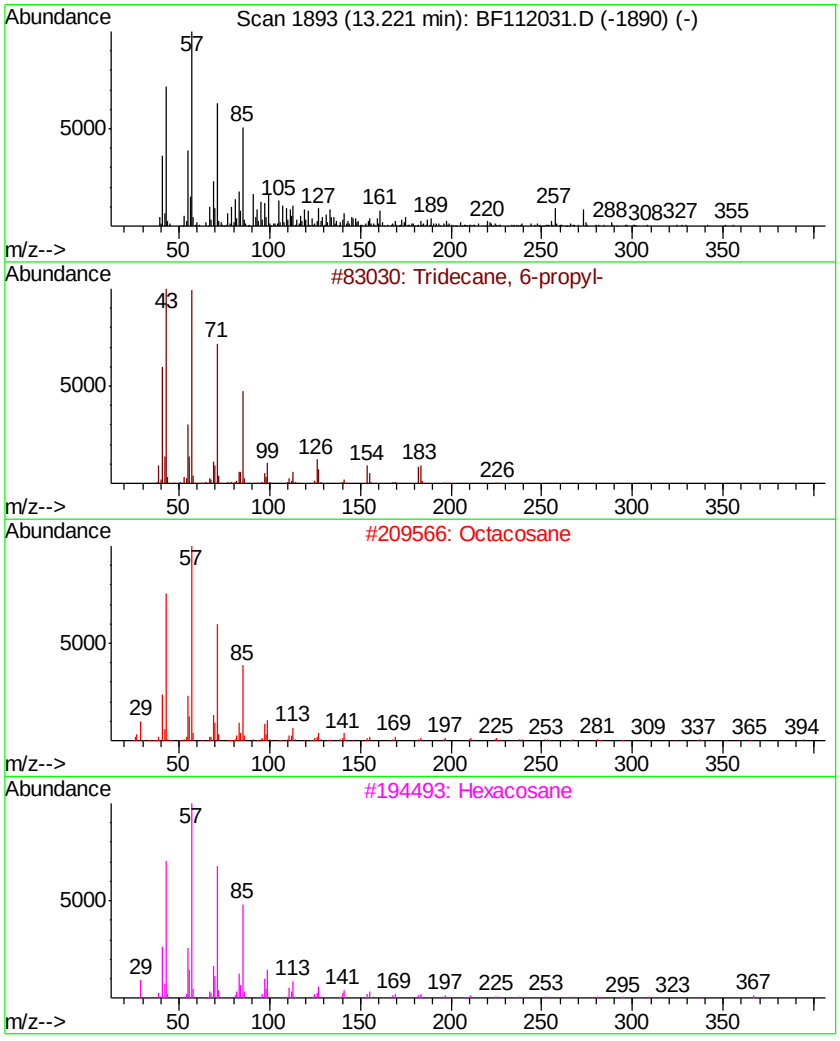
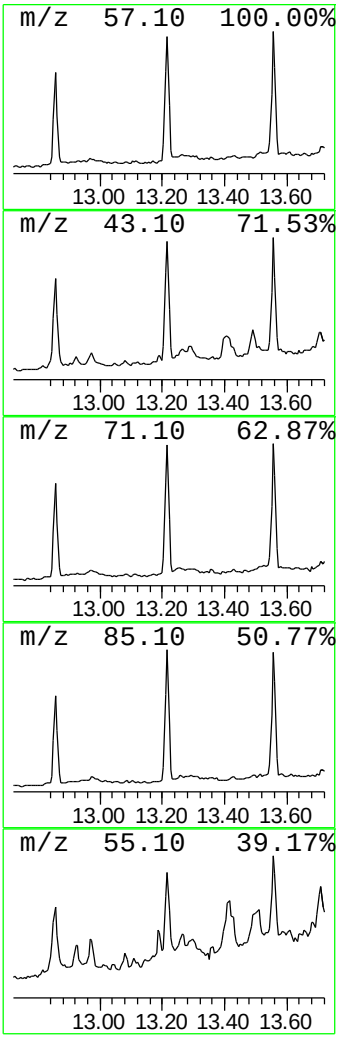
Peak Number 14 Tridecane, 6-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	38.41 ng	1047120	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
2	Octacosane	394	C28H58	000630-02-4	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Octadecane	254	C18H38	000593-45-3	91





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Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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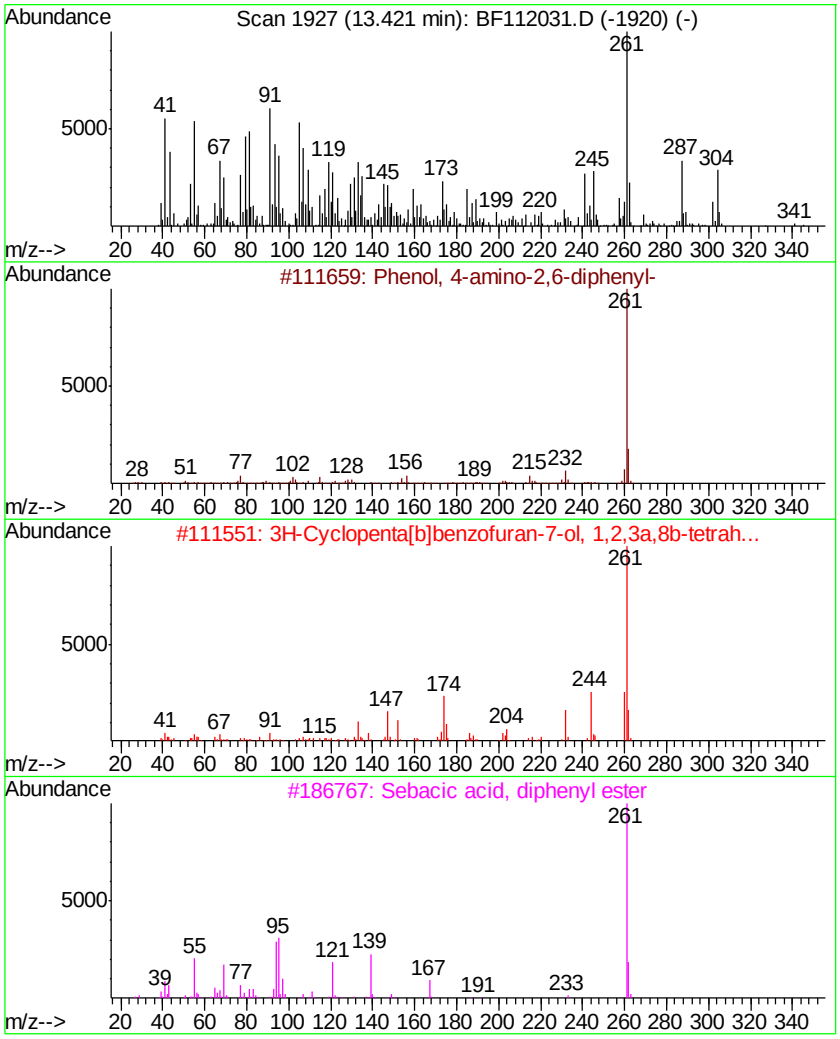
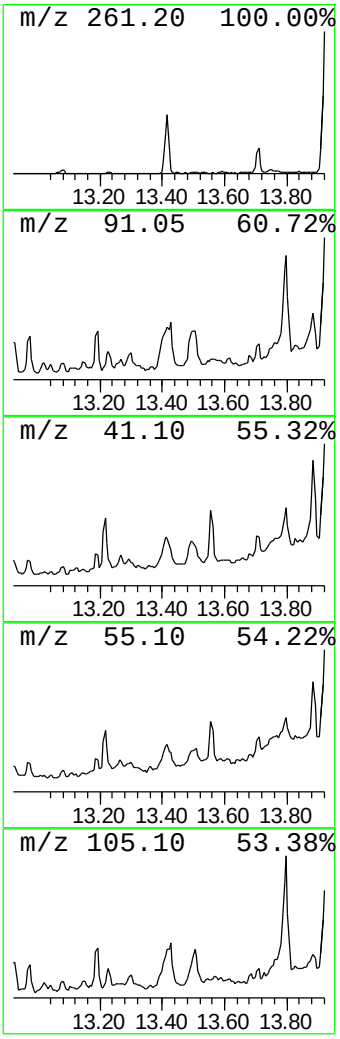
Peak Number 15 unknown13.42 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	64.70 ng	1763600	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-amino-2,6-diphenyl-	261	C18H15NO	050432-01-4	38
2	3H-Cyclopenta[b]benzofuran-7-ol,...	261	C15H19NO3	005607-68-1	38
3	Sebacic acid, diphenyl ester	354	C22H26O4	1000354-52-1	37
4	Terephthalic acid, 2-bromo-4-flu...	450	C22H24BrFO4	1000323-71-2	35
5	Phthalic acid, 3,5-difluoropheny...	404	C24H14F2O4	1000315-62-0	35





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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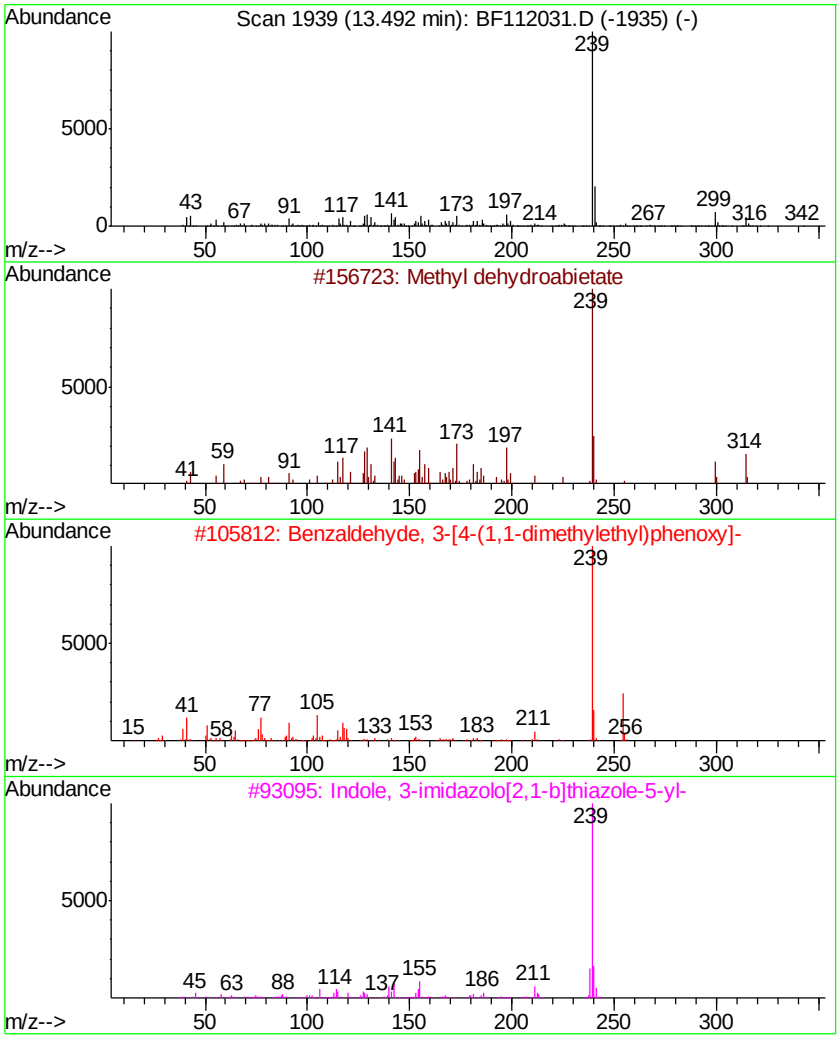
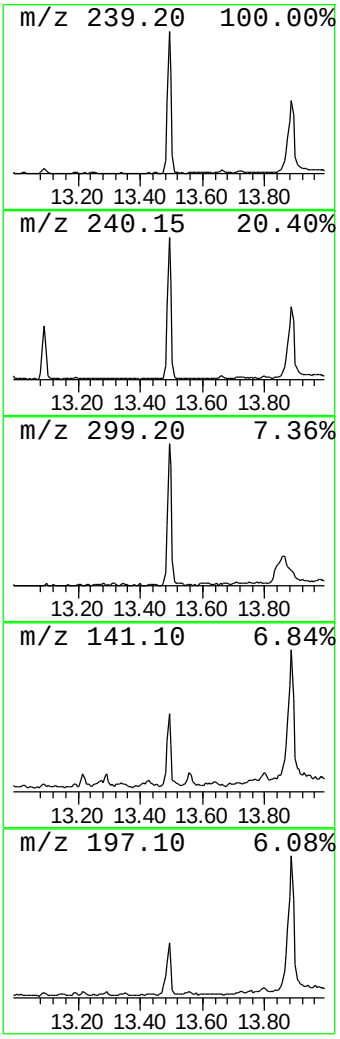
Peak Number 16 Methyl dehydroabietate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	71.39 ng	1946110	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	92
2	Benzaldehyde, 3-[4-(1,1-dimethyl...	254	C17H18O2	069770-23-6	59
3	Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	58
4	trans-1,2-Bis(methyldichlorosily...	252	C4H8Cl4Si2	065899-10-7	53
5	Phthalic acid, 4-methoxyphenyl 3...	362	C22H18O5	1000315-68-0	45





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Sample : K1102-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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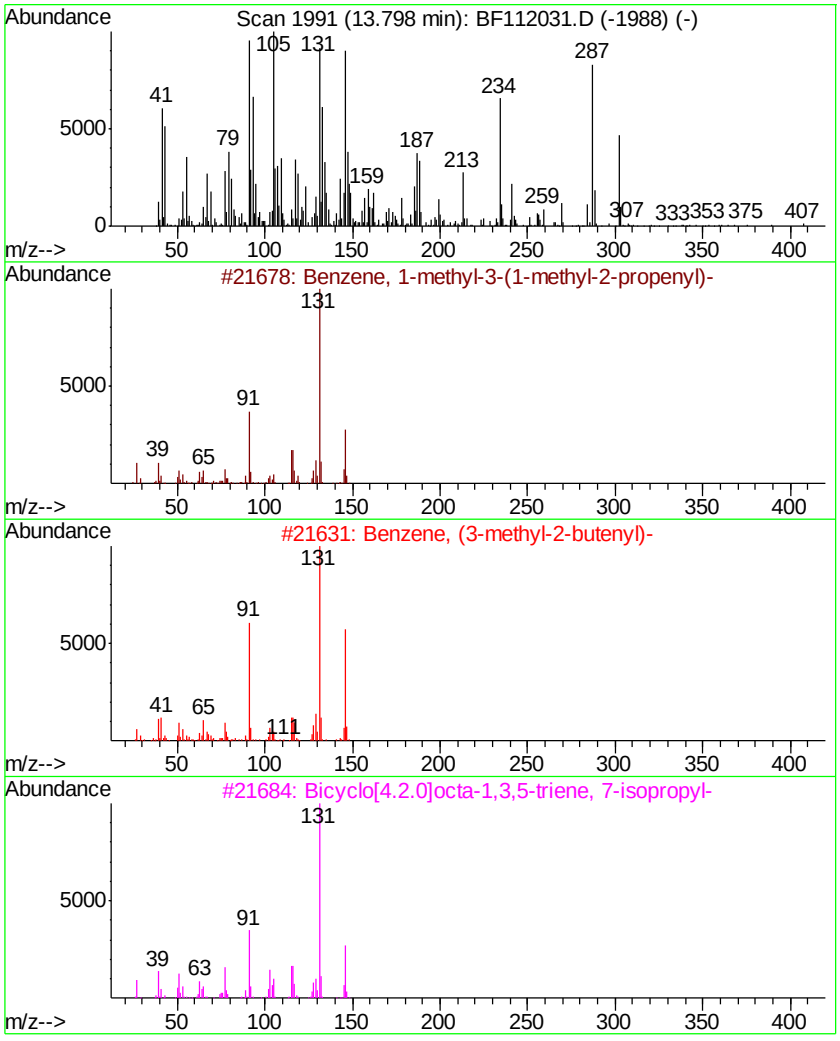
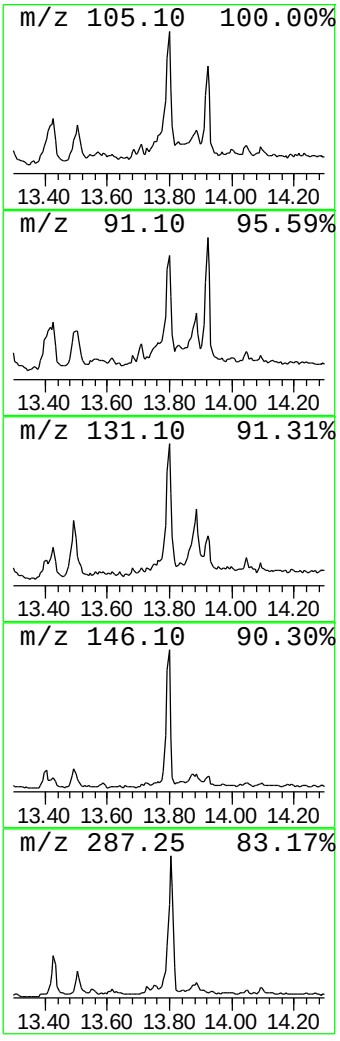
Peak Number 17 unknown13.80 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	46.83 ng	1276440	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	38
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	30
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	30
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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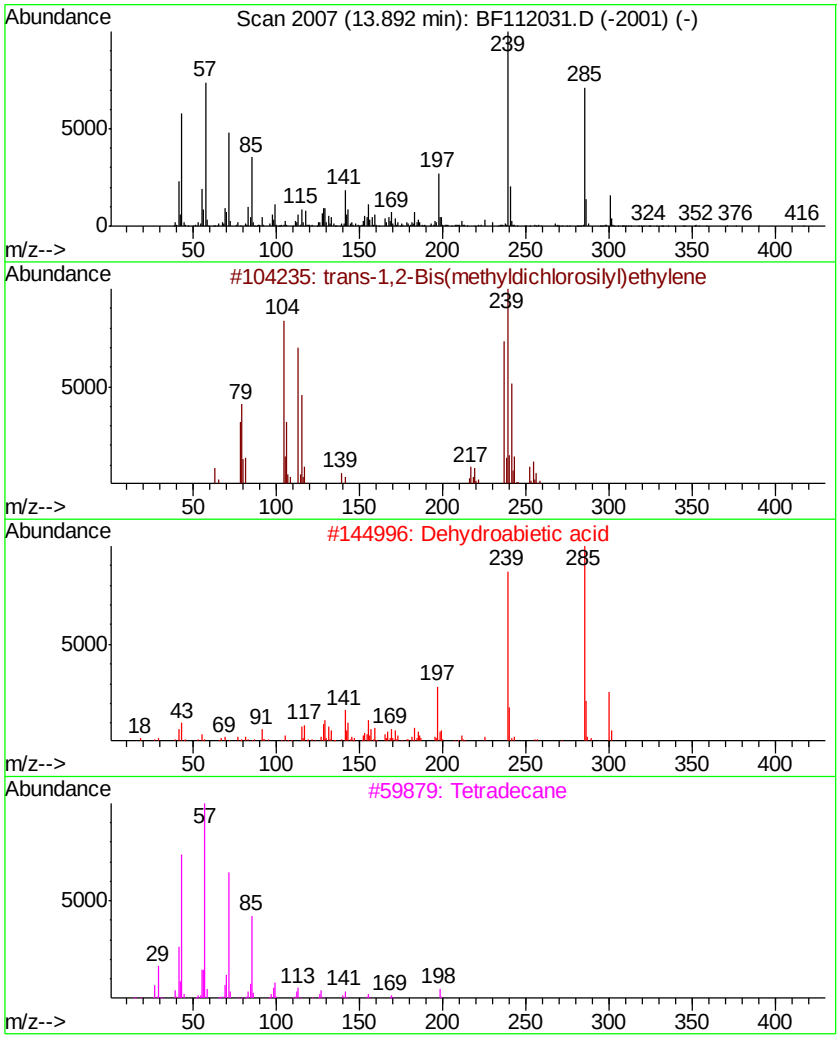
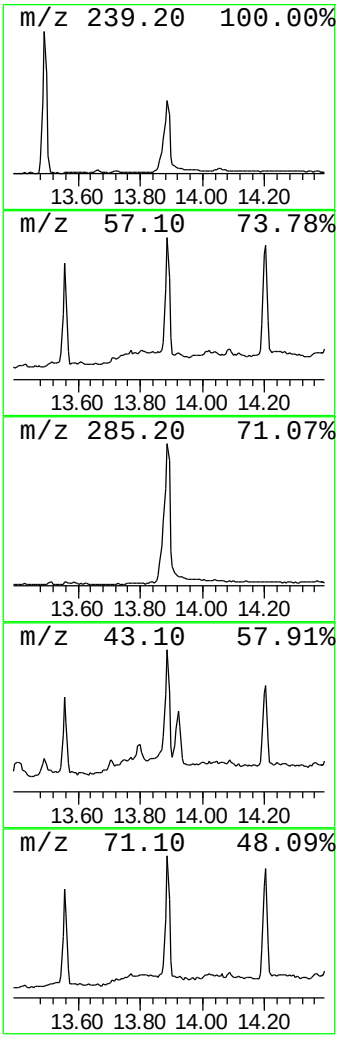
Peak Number 18 trans-1,2-Bis(methyldichlor... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	89.93 ng	2451400	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Bis(methyldichlorosilv...	252	C4H8Cl4Si2	065899-10-7	92
2	Dehydroabietic acid	300	C20H28O2	001740-19-8	89
3	Tetradecane	198	C14H30	000629-59-4	60
4	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	60
5	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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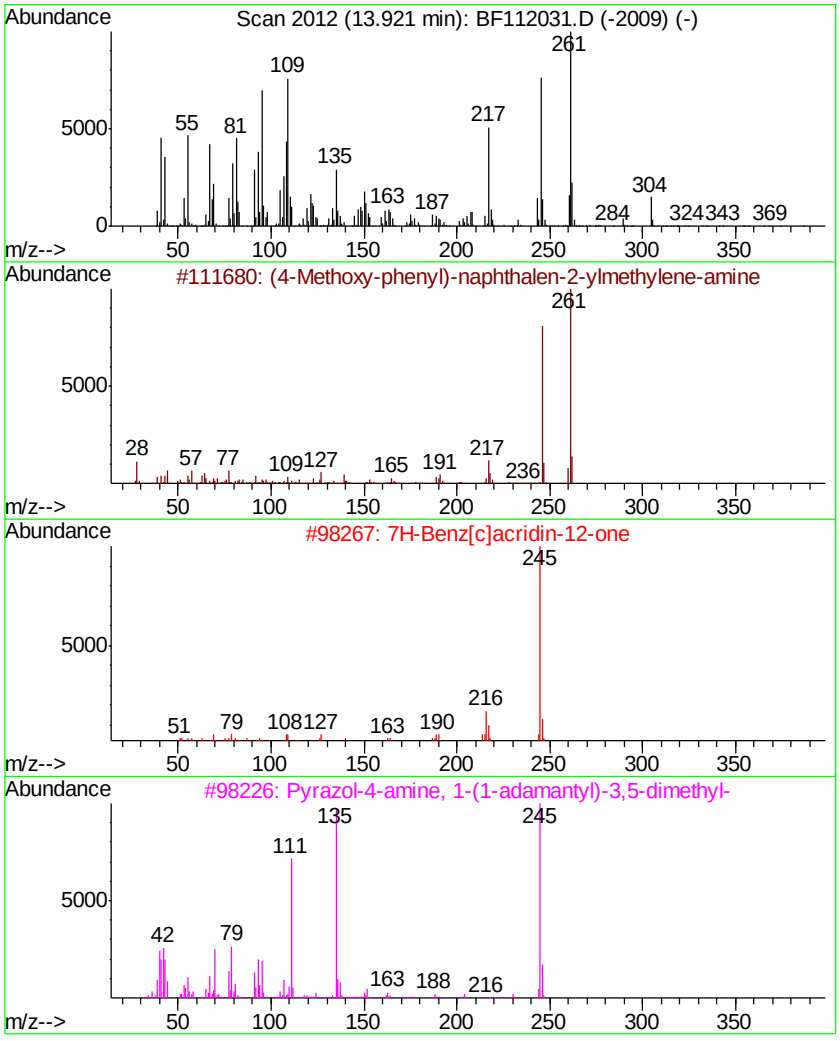
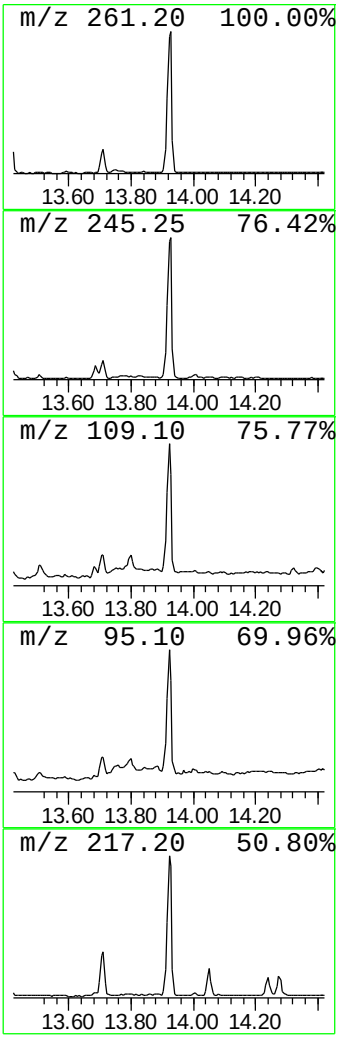
Peak Number 19 unknown13.92 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	111.41 ng	3036920	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Methoxy-phenyl)-naphthalen-2-...	261	C18H15NO	1000192-66-4	11
2	7H-Benz[c]acridin-12-one	245	C17H11NO	050405-26-0	11
3	Pyrazol-4-amine, 1-(1-adamantyl)...	245	C15H23N3	1000273-77-8	11
4	2H-Pyrazolo[3,4-c]pyridin-3-amin...	138	C6H10N4	1000362-58-3	11
5	trans-3(10)-Caren-2-ol	152	C10H16O	1000151-66-5	11





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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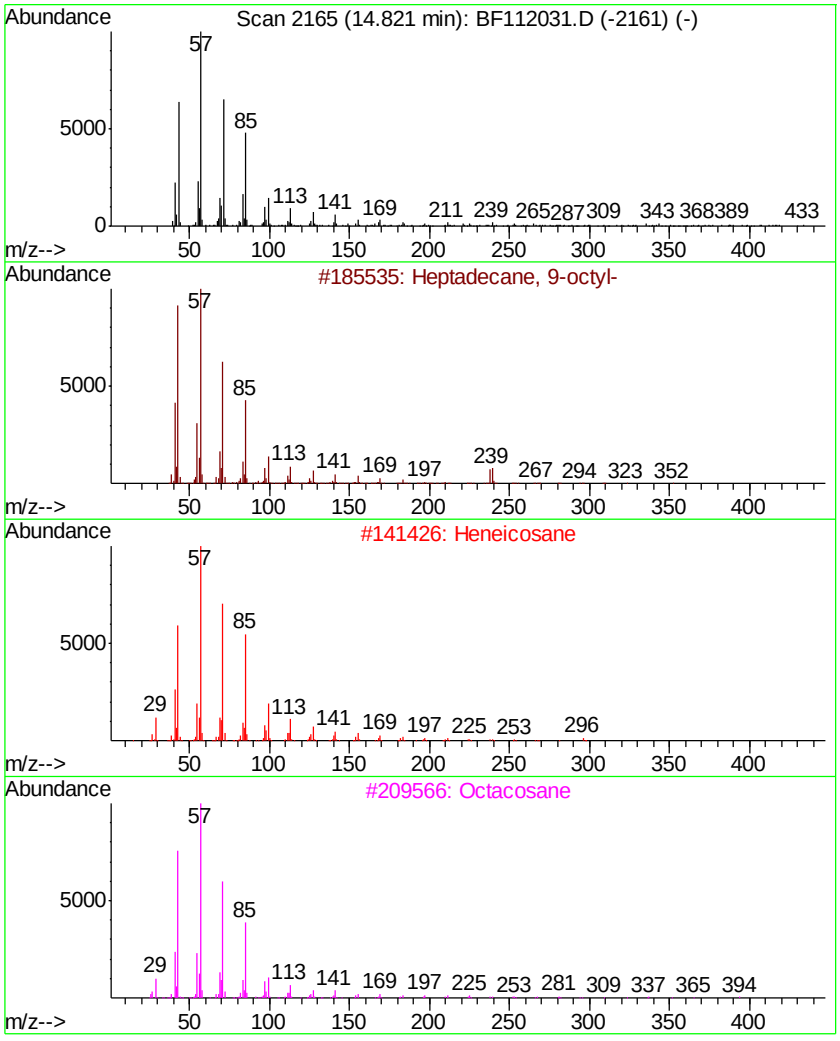
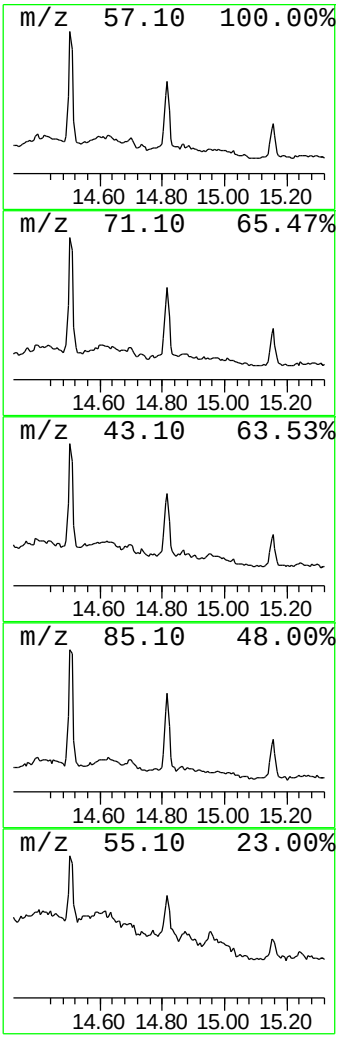
Peak Number 20 Heptadecane, 9-octyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	47.93 ng	592455	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
2	Heneicosane	296	C21H44	000629-94-7	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	87
5	Hexacosane	366	C26H54	000630-01-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011119\
Data File : BF112031.D
Acq On : 11 Jan 2019 22:27
Operator : JU/SJ
Sample : K1102-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-18(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane	2.47	40.9	ng	656698	1	6.87	321375	20.0
Cyclohexane, methyl-	3.02	304.0	ng	4884760	1	6.87	321375	20.0
Hexane, 2,4-dimet...	3.16	36.0	ng	577825	1	6.87	321375	20.0
Cyclopentane, 1,2...	3.40	51.7	ng	830082	1	6.87	321375	20.0
Cyclopentane, 1,2...	3.57	47.2	ng	758597	1	6.87	321375	20.0
unknown3.92	3.92	109.9	ng	1766260	1	6.87	321375	20.0
Heptane, 3-methyl-	4.06	52.1	ng	836769	1	6.87	321375	20.0
Cyclohexane, 1,3-...	4.20	70.6	ng	1134290	1	6.87	321375	20.0
Octane, 2,6-dimet...	6.13	42.8	ng	687335	1	6.87	321375	20.0
unknown6.65	6.65	35.0	ng	562574	1	6.87	321375	20.0
4b,8-Dimethyl-2-i...	12.36	175.5	ng	8536730	4	11.40	972898	20.0
Retene	13.13	75.7	ng	2063230	5	14.05	545181	20.0
Tridecane, 6-propyl-	13.22	38.4	ng	1047120	5	14.05	545181	20.0
unknown13.42	13.42	64.7	ng	1763600	5	14.05	545181	20.0
Methyl dehydroabi...	13.49	71.4	ng	1946110	5	14.05	545181	20.0
unknown13.80	13.80	46.8	ng	1276440	5	14.05	545181	20.0
trans-1,2-Bis(met...	13.89	89.9	ng	2451400	5	14.05	545181	20.0
unknown13.92	13.92	111.4	ng	3036920	5	14.05	545181	20.0
Heptadecane, 9-oc...	14.82	47.9	ng	592455	6	15.53	247201	20.0