LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

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-BF011619.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	5.481	574	577	590	rBV	690021	737134	8.76%	1.624%
2	6.492	746	749	763	rBV	813416	784218	9.32%	1.728%
3	6.628	768	772	780	rBV	918431	799690	9.50%	1.762%
4	6.851	807	810	818	rBV	1326215	1165579	13.85%	2.569%
5	7.010	833	837	841	rBV	763279	634746	7.54%	1.399%
6	7.410	902	905	910	rVB	429877	351870	4.18%	0.775%
7	8.133	1023	1028	1032	rBV	1473310	1389213	16.51%	3.061%
8	8.728	1126	1129	1133	rBV2	112231	108695	1.29%	0.240%
9	8.957	1163	1168	1171	rBV2	88029	107144	1.27%	0.236%
10	9.157	1199	1202	1207	rVB5	85351	87705	1.04%	0.193%
11	9.210	1207	1211	1214	rBV	855469	748654	8.90%	1.650%
12	9.292	1222	1225	1230	rBV2	147366	139224	1.65%	0.307%
13	9.469	1252	1255	1260	rVB3	71502	97975	1.16%	0.216%
14	9.751	1300	1303	1307	rBV	109782	111117	1.32%	0.245%
15	9.822	1312	1315	1319	rVV	176212	145014	1.72%	0.320%
16	9.892	1323	1327	1330	rVV	1444684	1261797	15.00%	2.781%
17	9.922	1330	1332	1336	rVB	107019	88883	1.06%	0.196%
18	10.092	1358	1361	1366	rVB	98321	122232	1.45%	0.269%
19	10.145	1366	1370	1374	rBV5	54774	85302	1.01%	0.188%
20	10.322	1394	1400	1402	rBV	199523	188841	2.24%	0.416%
21	10.439	1416	1420	1426	rBV	194517	205261	2.44%	0.452%
22	10.539	1432	1437	1443	rVB	87516	135358	1.61%	0.298%
23	10.680	1458	1461	1464	rVB	445271	373769	4.44%	0.824%
24	10.792	1477	1480	1489	rVB	257934	308396	3.67%	0.680%
25	11.239	1553	1556	1559	rBV	216517	170512	2.03%	0.376%
26	11.274	1559	1562	1567	rVB2	175813	200275	2.38%	0.441%
27	11.380	1576	1580	1582	rBV	1376518	1394353	16.57%	3.073%
28	11.404	1582	1584	1587	rVV	979252	819566	9.74%	1.806%
29	11.451	1590	1592	1596	rVB	365420	303797	3.61%	0.669%
30	11.610	1616	1619	1626	rBV2	58811	93244	1.11%	0.205%
31	11.669	1626	1629	1631	rBV2	218417	196491	2.34%	0.433%
32	11.763	1642	1645	1649	rBV	2628378	2362560	28.08%	5.206%
33	11.880	1662	1665	1667	rBV	180589	167514	1.99%	0.369%
34	11.904	1667	1669	1675	rVB	240718	258479	3.07%	0.570%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

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-BF011619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.957	1675	1678	1680	rBV	96794	94342	1.12%	0.208%
36	11.992	1680	1684	1686	rVV	375423	358561	4.26%	0.790%
37	12.016	1686	1688	1692	rVB	133837	116647	1.39%	0.257%
38	12.074	1693	1698	1702	rBV	190088	212034	2.52%	0.467%
39	12.174	1711	1715	1717	rBV2	143321	137638	1.64%	0.303%
40	12.457	1755	1763	1764	rBV	7141816	7048121	83.76%	15.532%
41	12.474	1764	1766	1772	rVV	7892484	8414458	100.00%	18.543%
42	12.521	1772	1774	1777	rVV3	158222	158883	1.89%	0.350%
43	12.557	1777	1780	1783	rVV	1417611	1106129	13.15%	2.438%
44	12.592	1783	1786	1791	rVV	1765883	1505546	17.89%	3.318%
45	12.639	1791	1794	1800	rVB6	79382	155154	1.84%	0.342%
46	12.821	1817	1825	1832	rBV	1453089	1875915	22.29%	4.134%
47	12.874	1832	1834	1838	rVB2	74169	86480	1.03%	0.191%
48	12.957	1843	1848	1851	rBV	950373	908165	10.79%	2.001%
49	13.039	1858	1862	1865	rBV2	142684	213115	2.53%	0.470%
50	13.116	1873	1875	1877	rBV2	181562	196690	2.34%	0.433%
51	13.151	1878	1881	1885	rVB	368604	383800	4.56%	0.846%
52	13.186	1885	1887	1888	rBV	167568	136781	1.63%	0.301%
53	13.257	1896	1899	1901	rBV2	164833	173262	2.06%	0.382%
54	13.280	1901	1903	1906	rVB	223950	191371	2.27%	0.422%
55	13.345	1912	1914	1917	rBV	105361	98824	1.17%	0.218%
56	13.380	1917	1920	1923	rBV	112227	125349	1.49%	0.276%
57	13.533	1943	1946	1948	rBV	130330	134031	1.59%	0.295%
58	13.768	1984	1986	1988	rBV	113482	102922	1.22%	0.227%
59	13.951	2014	2017	2021	rBV2	194236	199920	2.38%	0.441%
60	14.021	2024	2029	2031	rVV2	1564092	1997558	23.74%	4.402%
61	14.045	2031	2033	2040	rVB	631535	589424	7.00%	1.299%
62	14.174	2053	2055	2058	rVB2	169925	142590	1.69%	0.314%
63	15.062	2203	2206	2209	rBV	367631	496846	5.90%	1.095%
64	15.127	2214	2217	2221	rBV2	223844	235106	2.79%	0.518%
65	15.433	2266	2269	2274	rVB	341733	409171	4.86%	0.902%
66	15.498	2276	2280	2289	rVV3	801917	1228591	14.60%	2.707%

Sum of corrected areas: 45378032

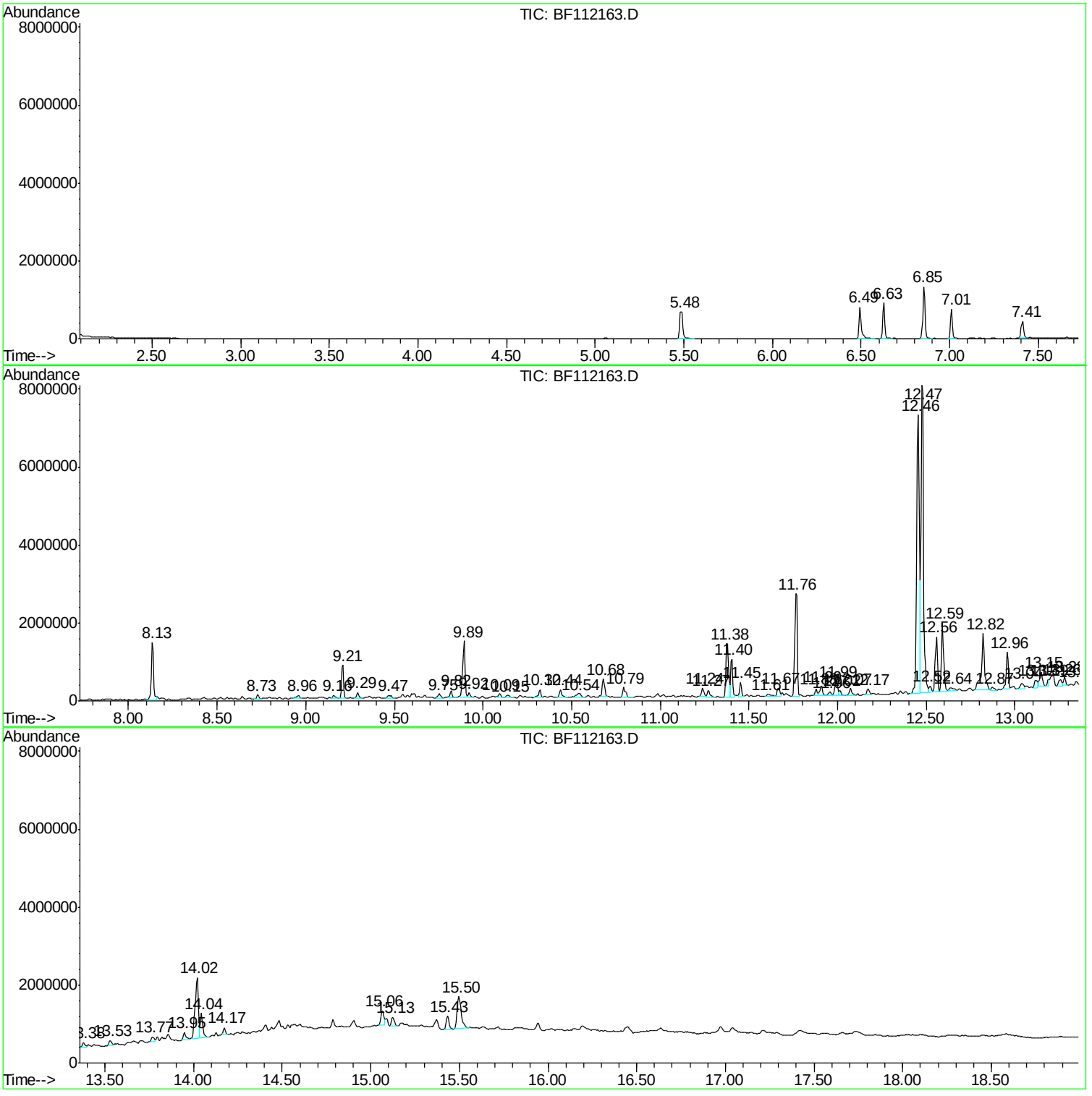
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

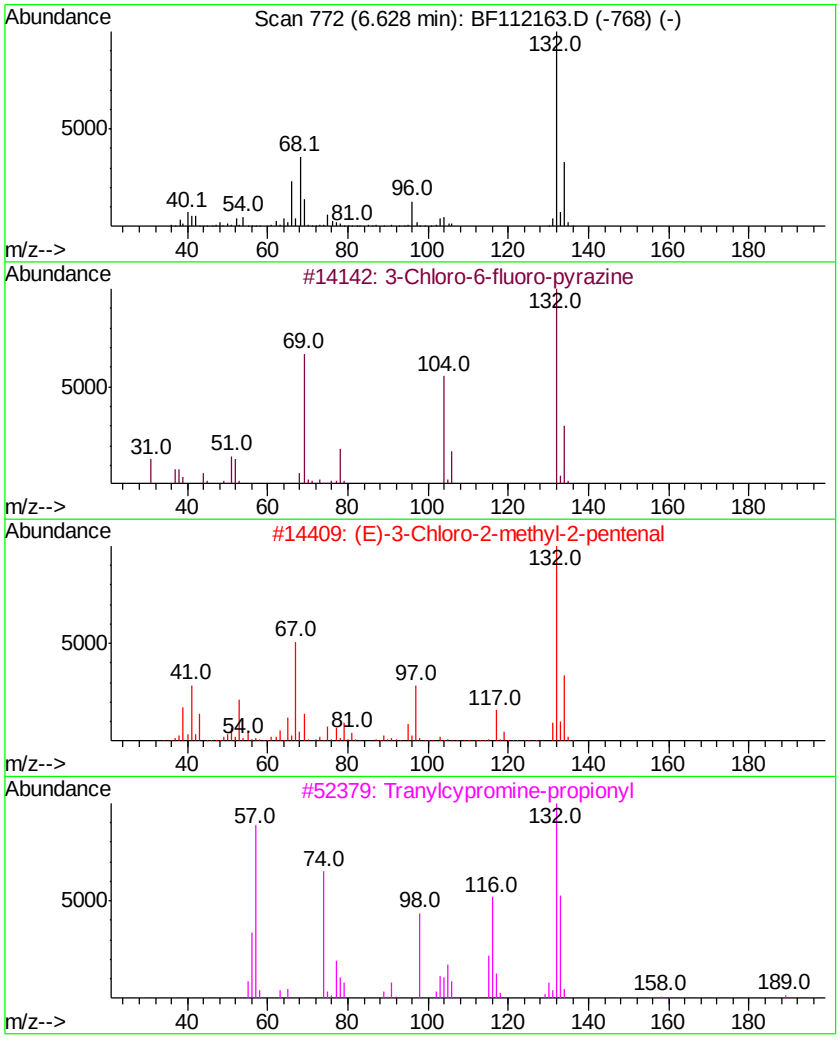
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

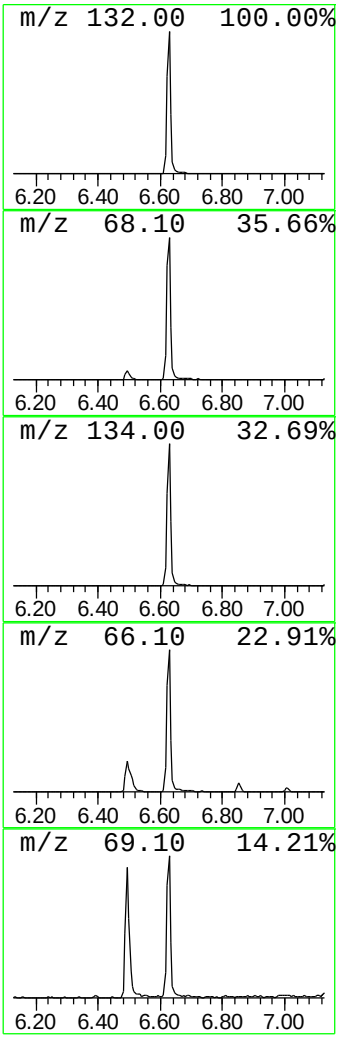
****

Peak Number 1 unknown6.63 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	13.72 ng	799690	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

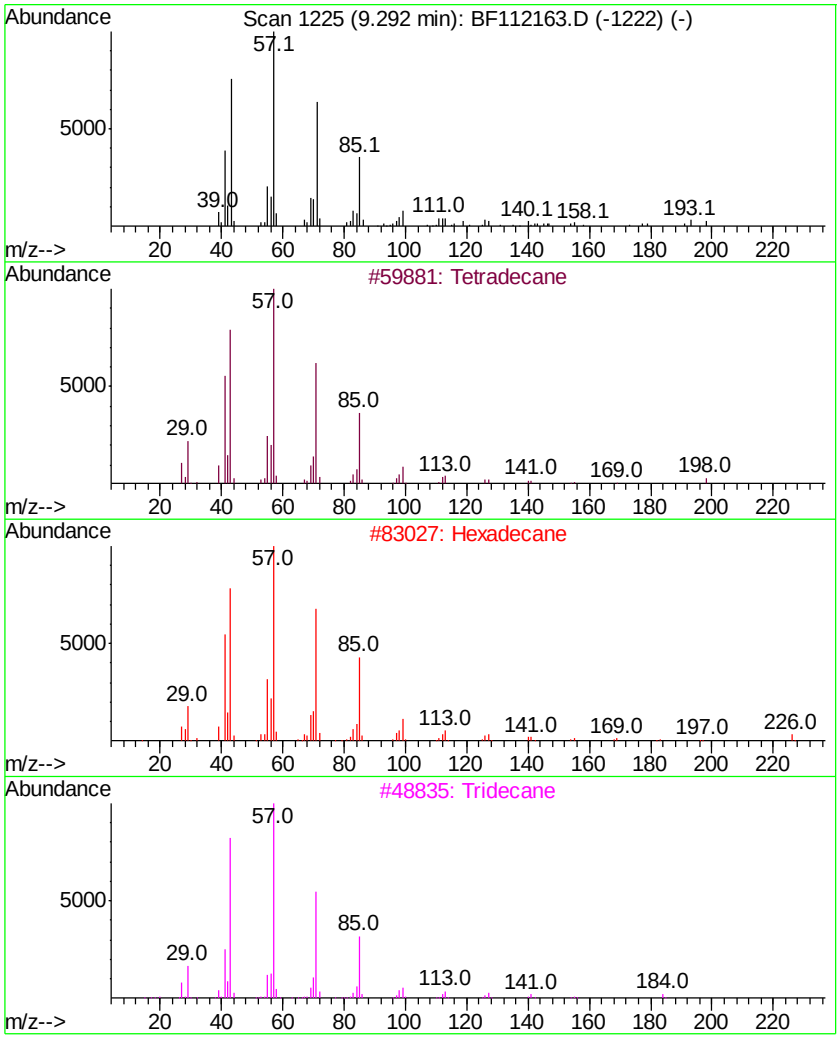
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

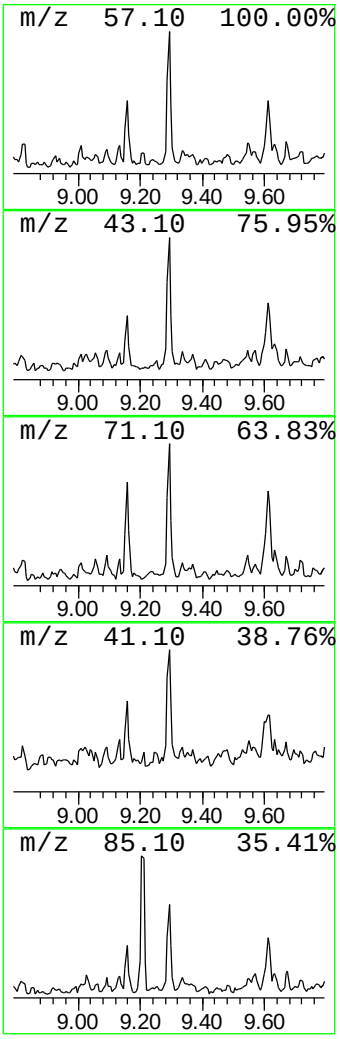
****

Peak Number 3 Tetradecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	2.21 ng	139224	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	97
2	Hexadecane	226	C16H34	000544-76-3	87
3	Tridecane	184	C13H28	000629-50-5	86
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	86
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

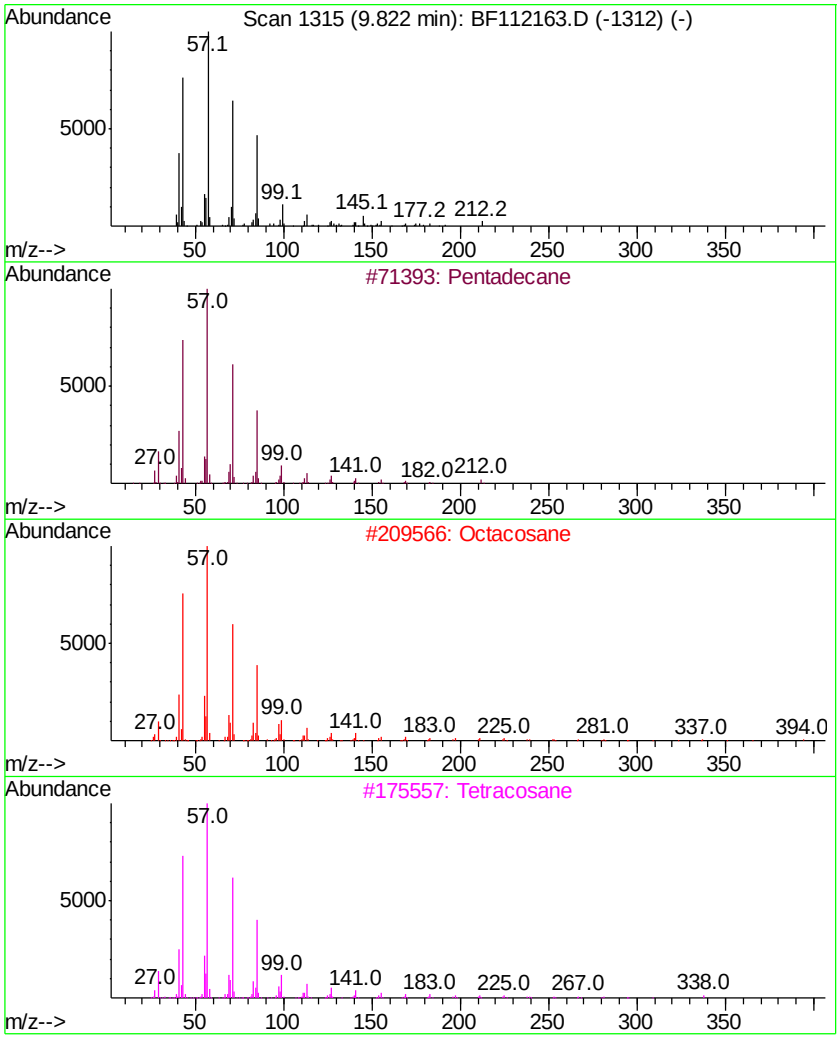
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

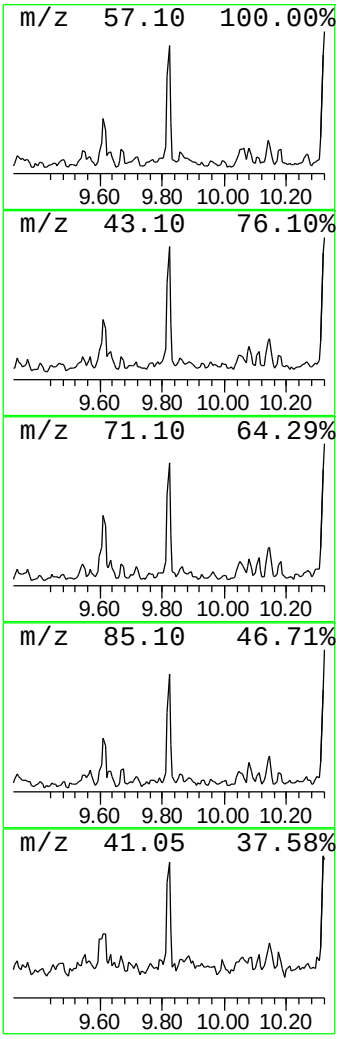
****

Peak Number 4 Octacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	2.30 ng	145014	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Octacosane	394	C28H58	000630-02-4	86
3	Tetracosane	338	C24H50	000646-31-1	86
4	Tetradecane	198	C14H30	000629-59-4	80
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

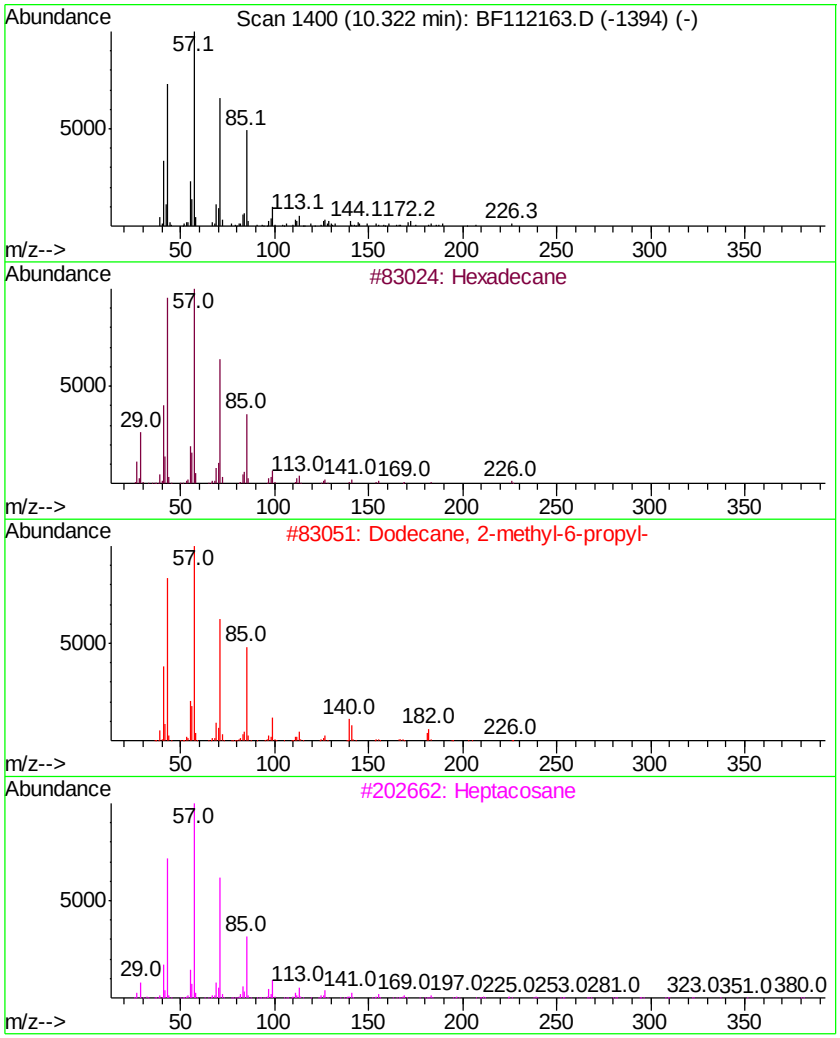
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

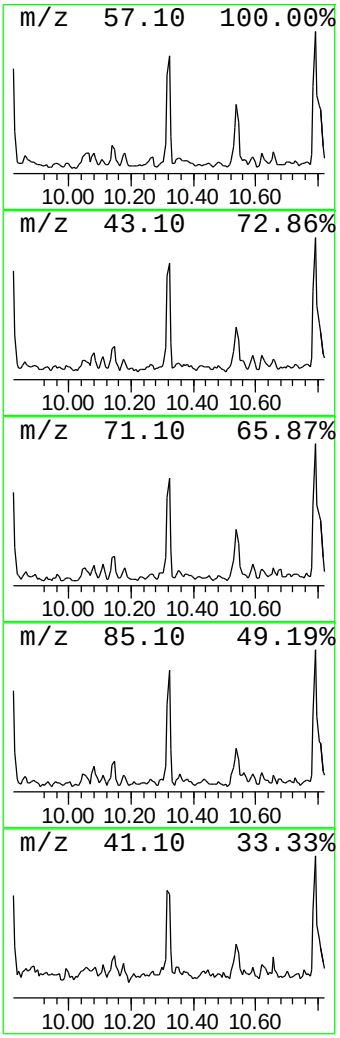
****

Peak Number 5 Dodecane, 2-methyl-6-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	2.99 ng	188841	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
3	Heptacosane	380	C27H56	000593-49-7	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Tetradecane	198	C14H30	000629-59-4	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
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Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

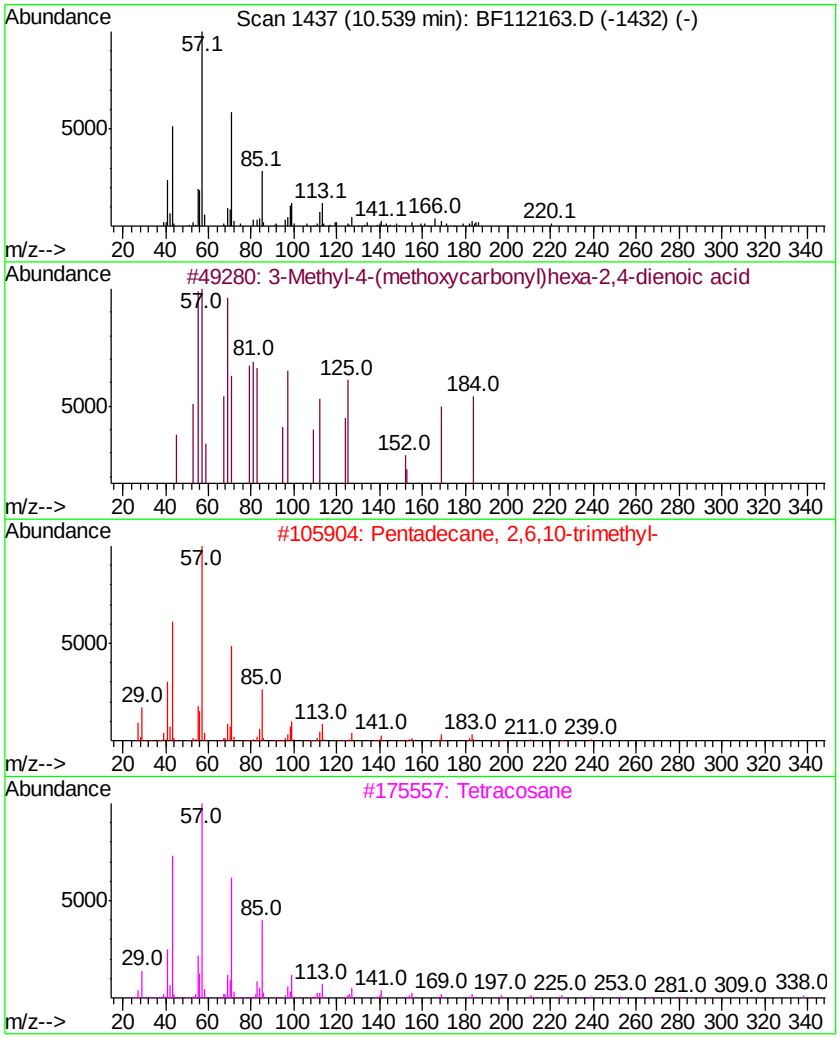
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

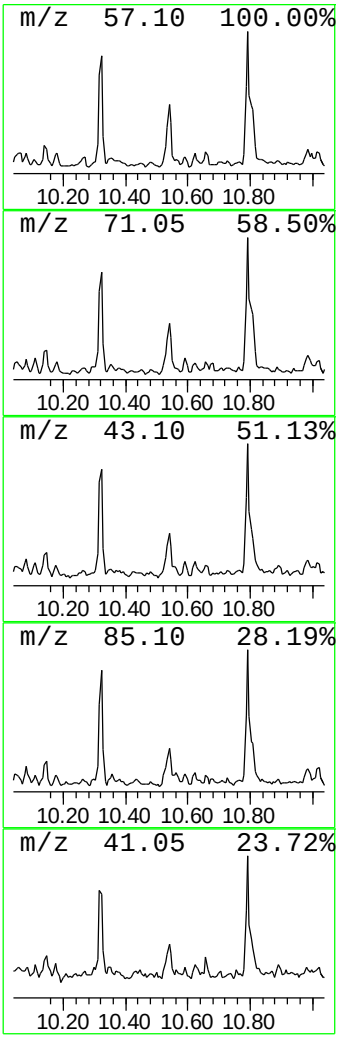
****

Peak Number 6 3-Methyl-4-(methoxycarbonyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	2.15 ng	135358	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	89
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
3	Tetracosane	338	C24H50	000646-31-1	72
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	60





Library Search Compound Report

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Data File : BF112163.D
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Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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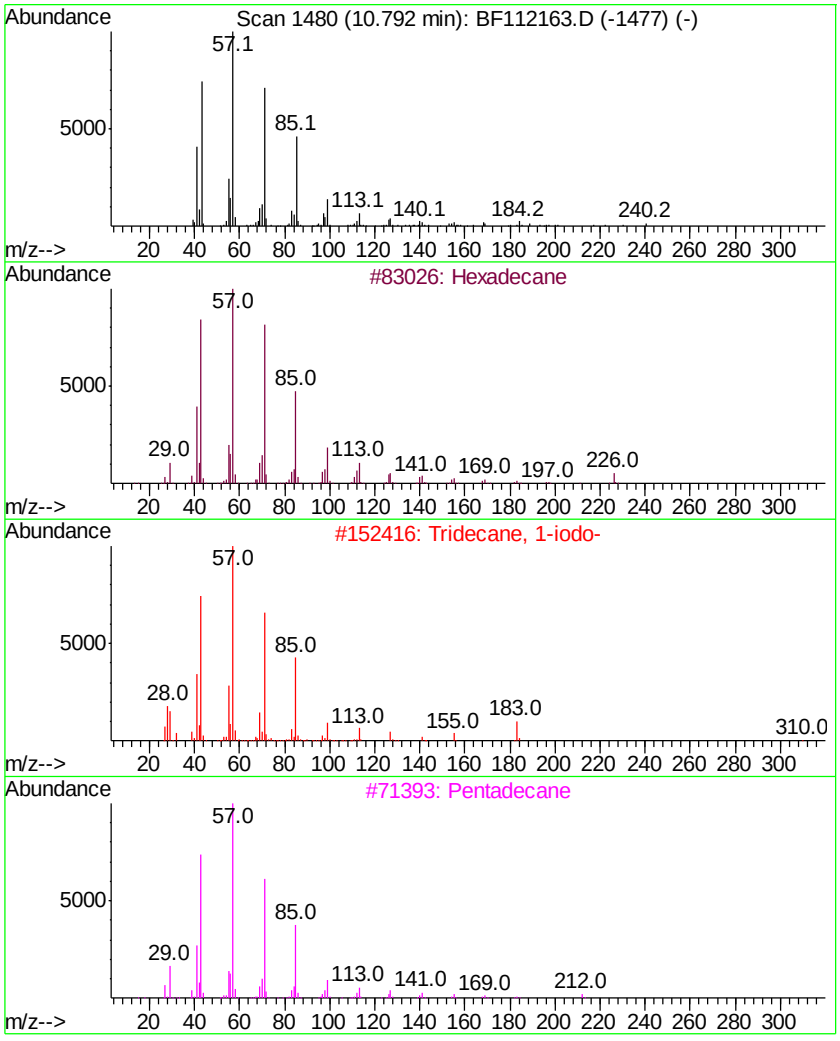
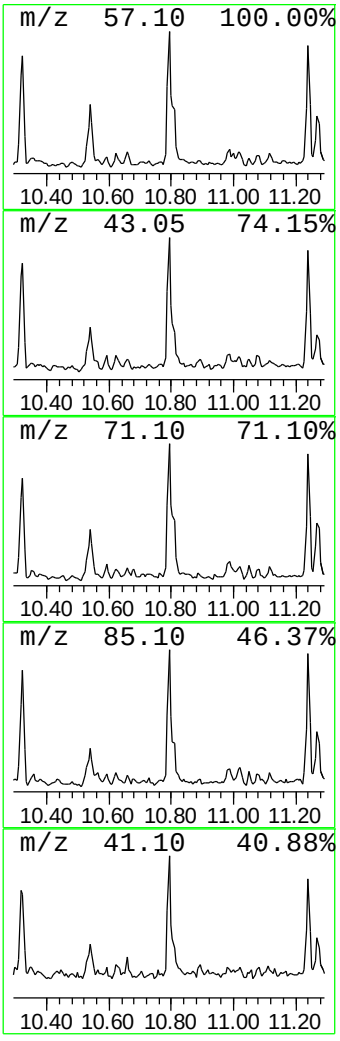
Peak Number 7 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	4.42 ng	308396	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tridecane	184	C13H28	000629-50-5	86
5	Heptacosane	380	C27H56	000593-49-7	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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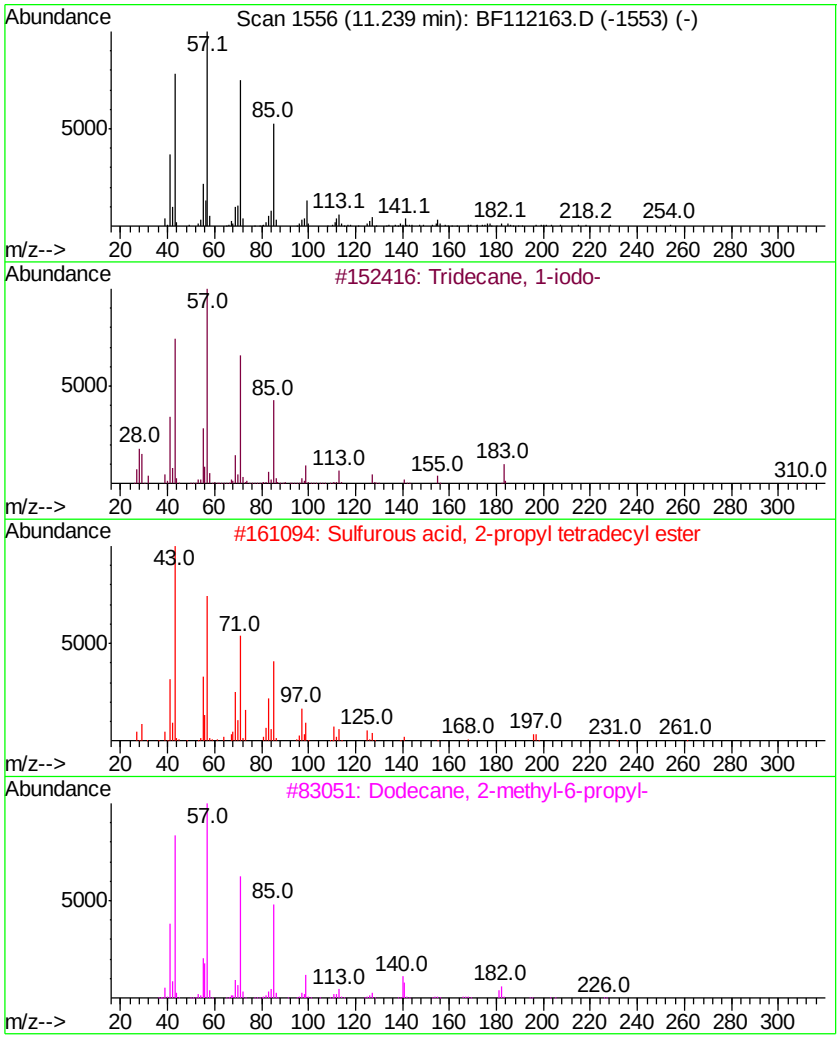
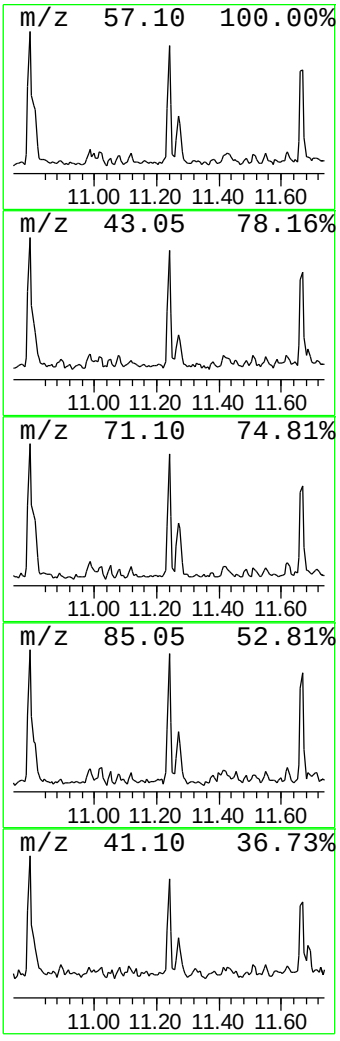
Peak Number 8 Tridecane, 1-iodo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.45 ng	170512	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
2	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Hexadecane	226	C16H34	000544-76-3	90





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Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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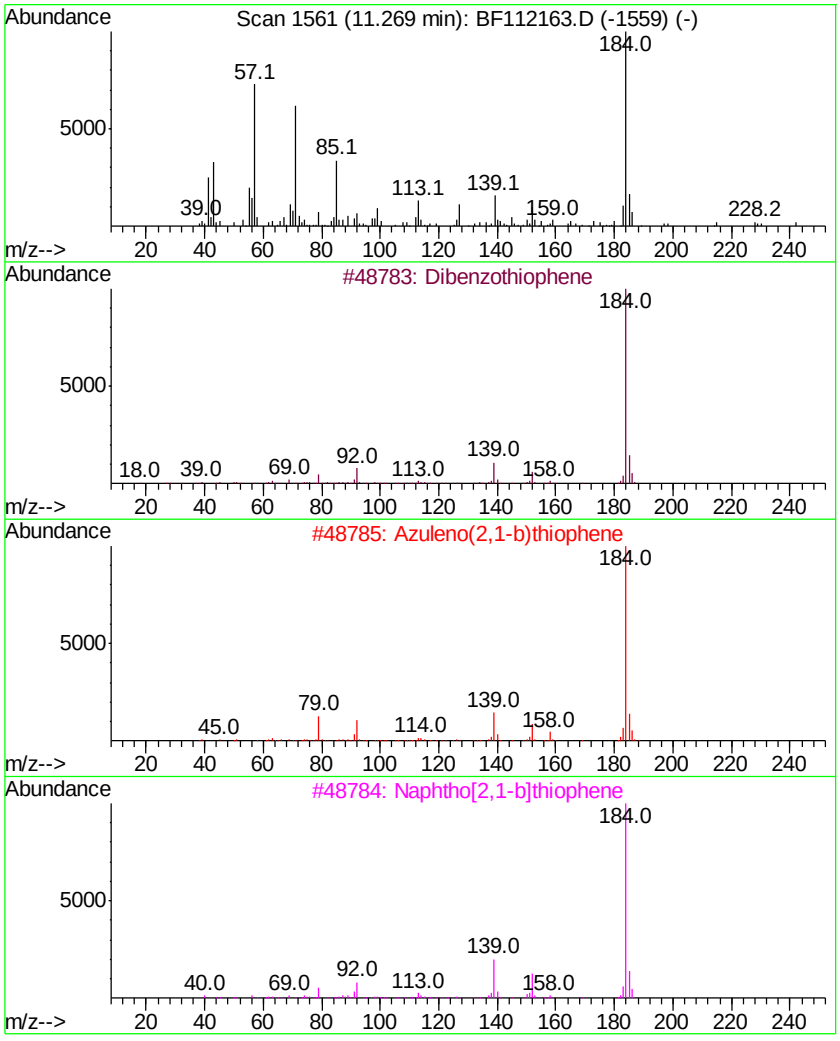
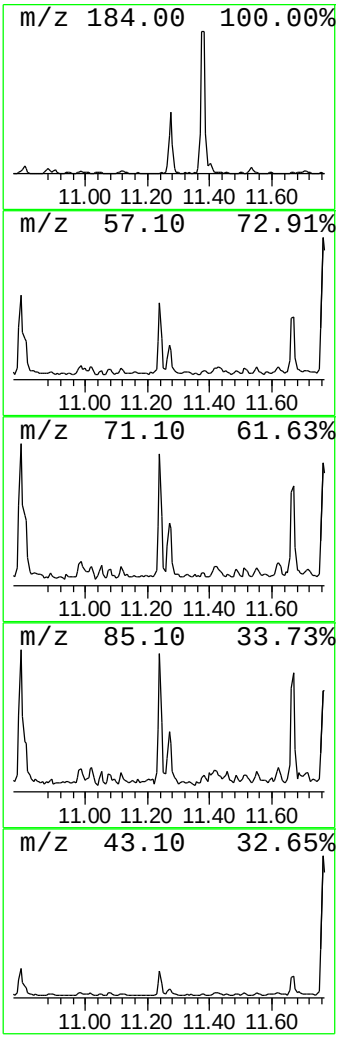
Peak Number 9 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.87 ng	200275	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	92
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	76
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	70
5	1,4-Benzenediamine, N-phenyl-	184	C12H12N2	000101-54-2	52





Library Search Compound Report

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Sample : K1013-07 5X
Misc :
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ClientSampleId : PL-01-011819-D

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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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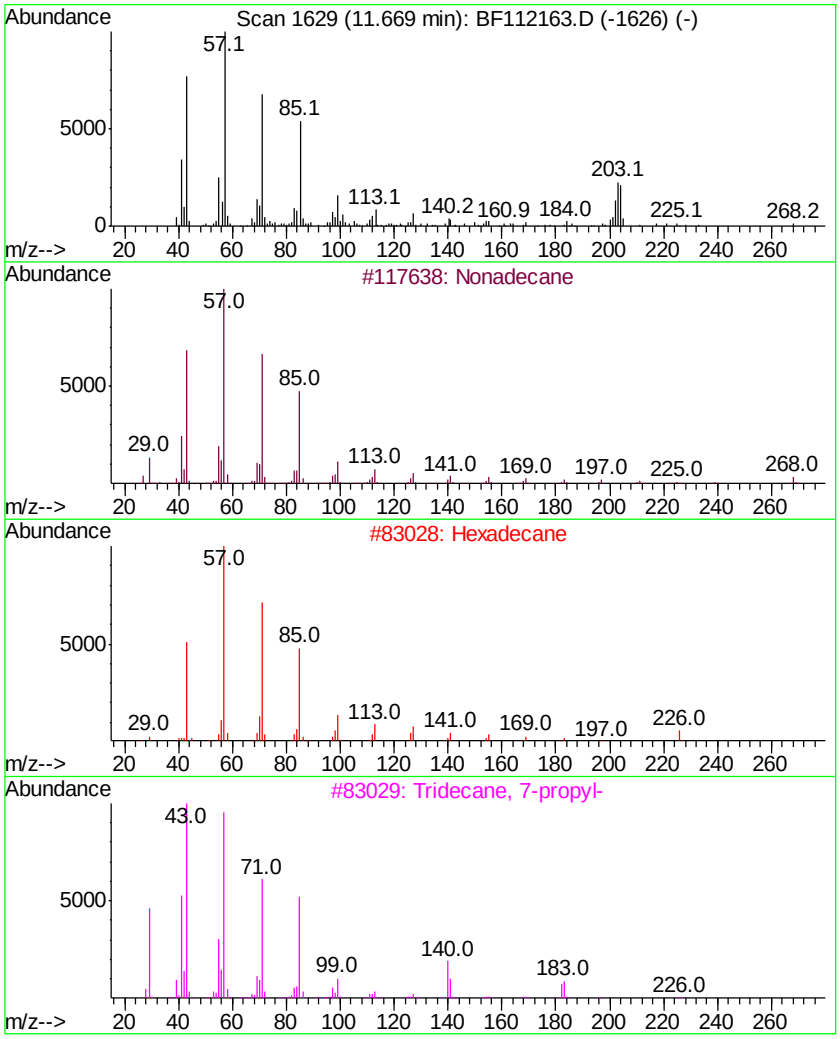
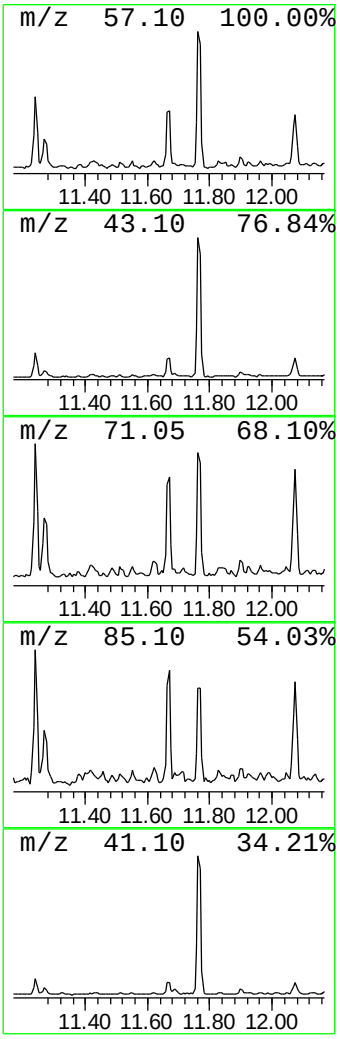
Peak Number 10 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	2.82 ng	196491	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	92
2	Hexadecane	226	C16H34	000544-76-3	78
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	60
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	60
5	Heneicosane	296	C21H44	000629-94-7	60





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Sample : K1013-07 5X
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ClientSampleId : PL-01-011819-D

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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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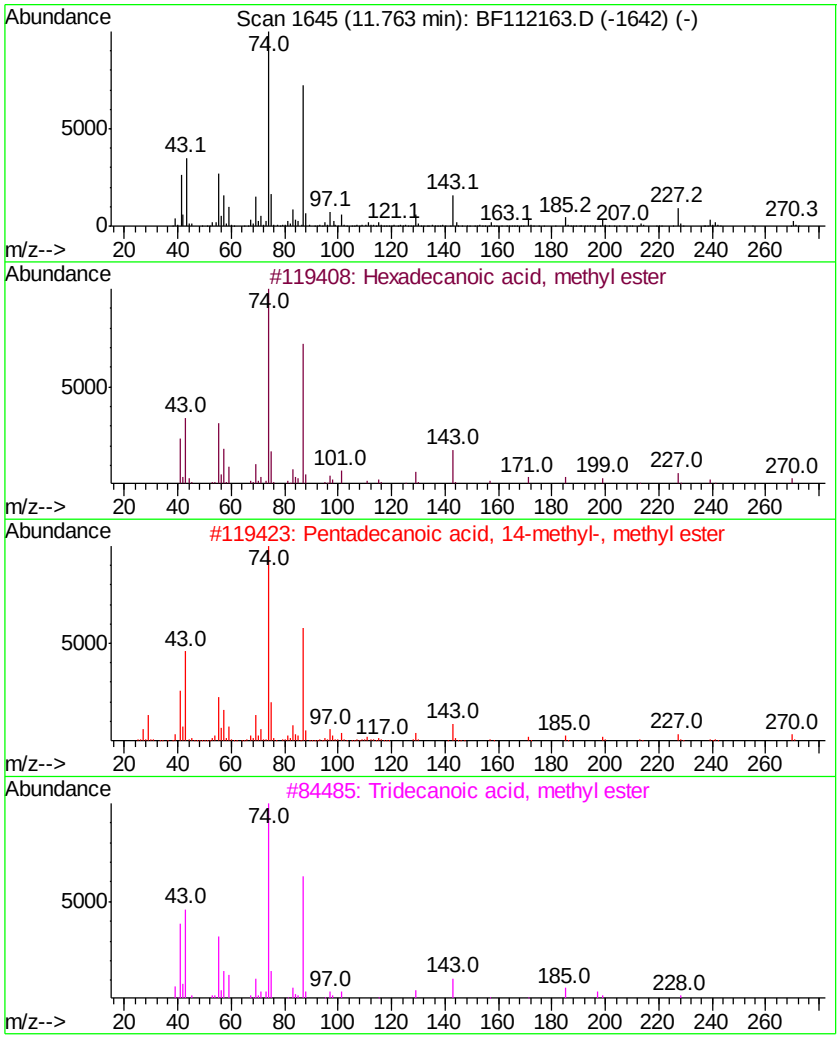
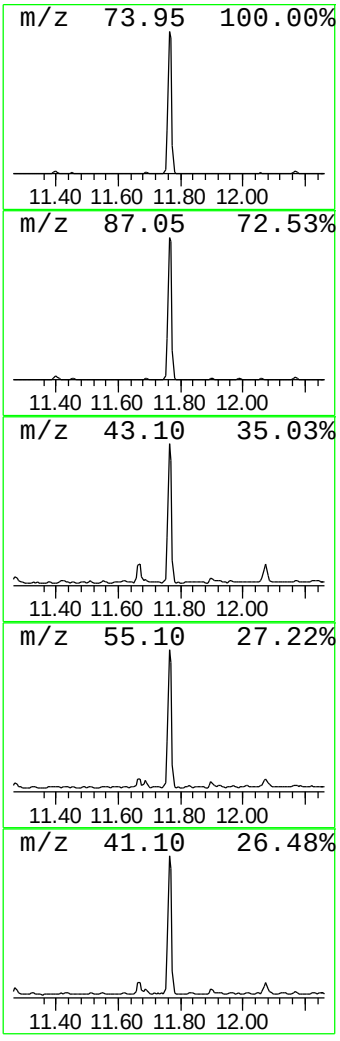
Peak Number 11 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	33.89 ng	2362560	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	80





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Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-011819-D

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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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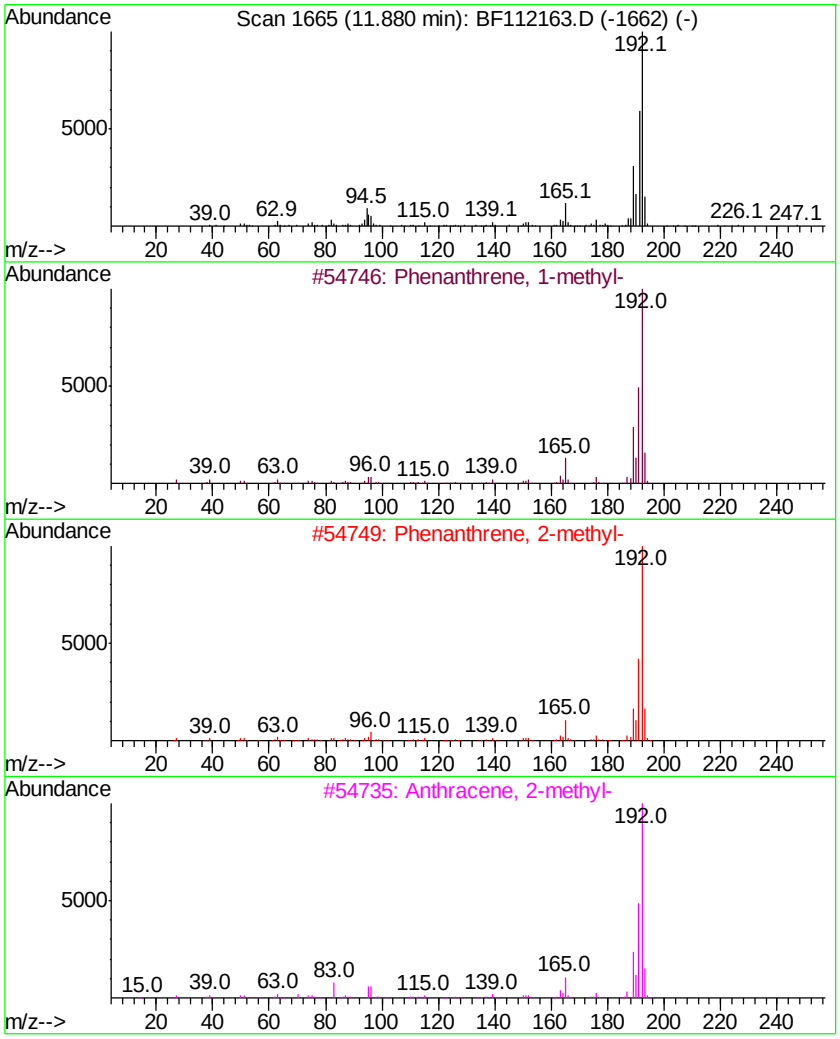
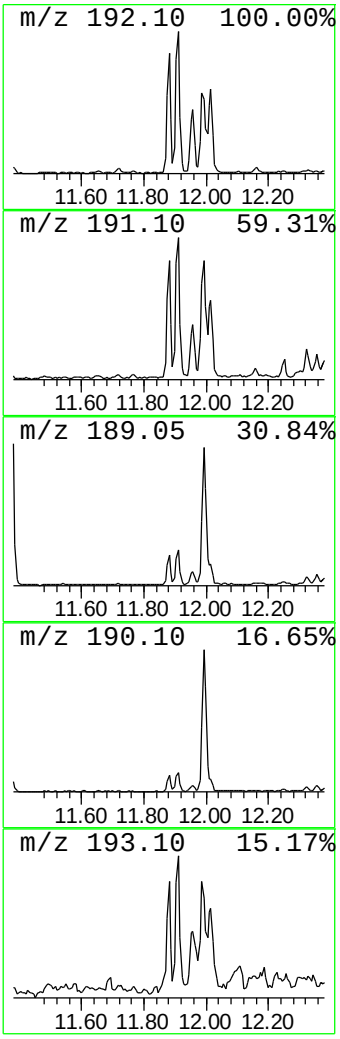
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.40 ng	167514	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

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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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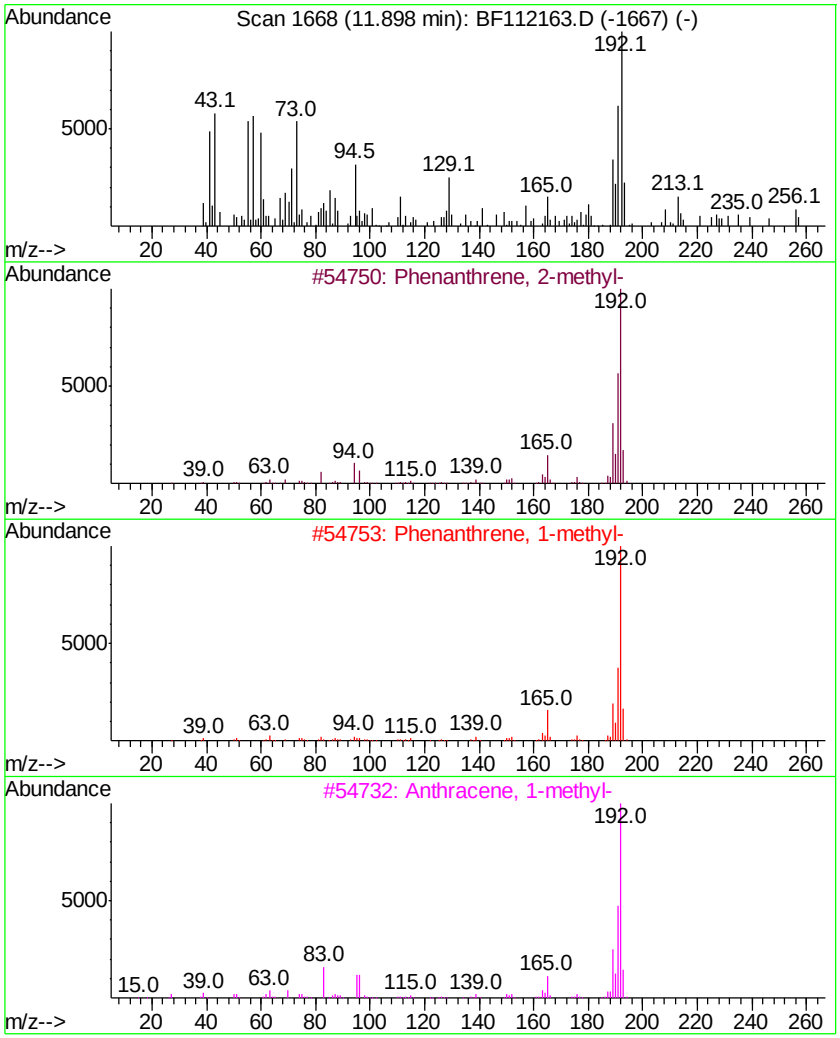
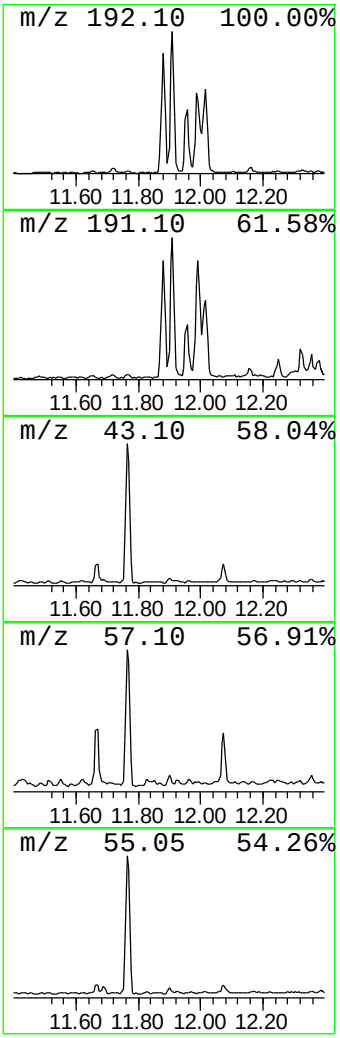
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.71 ng	258479	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Misc :
ALS Vial : 14 Sample Multiplier: 1

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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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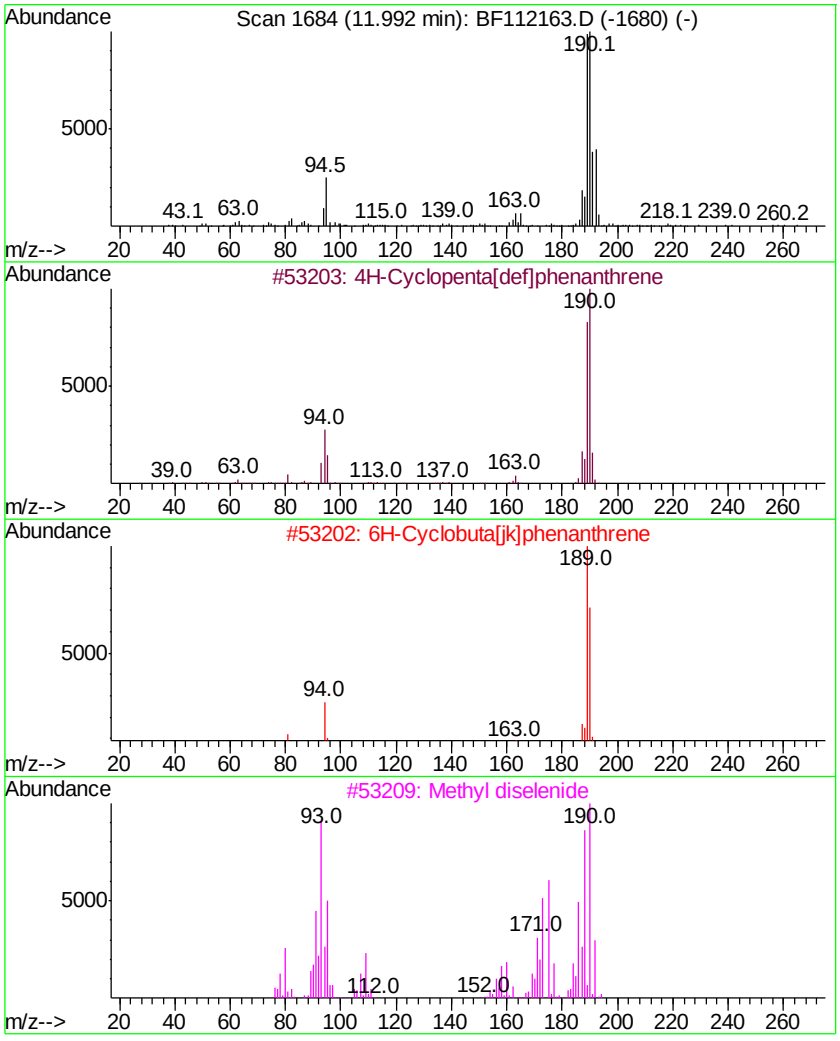
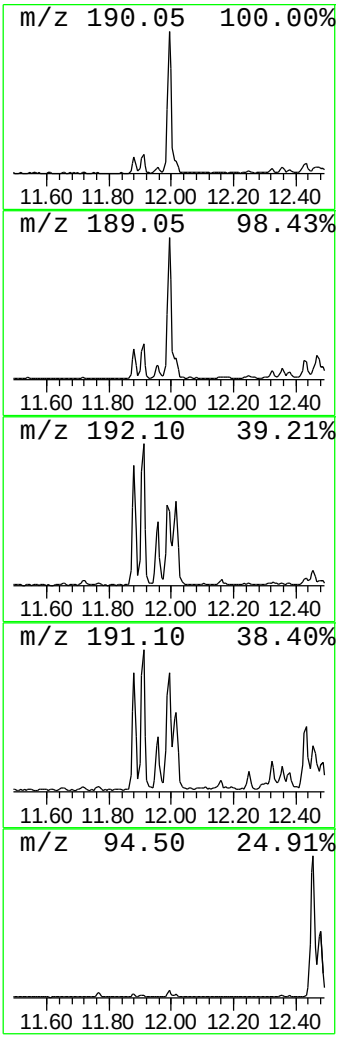
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	5.14 ng	358561	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25
5	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	25





Library Search Compound Report

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Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

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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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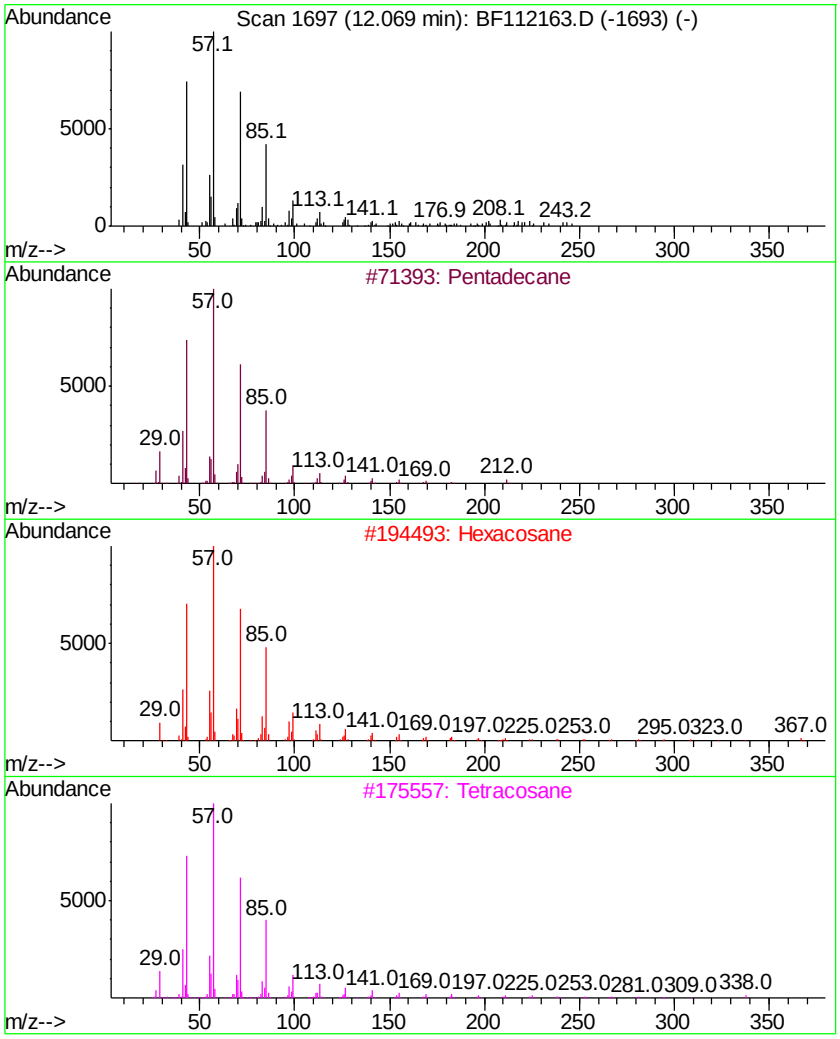
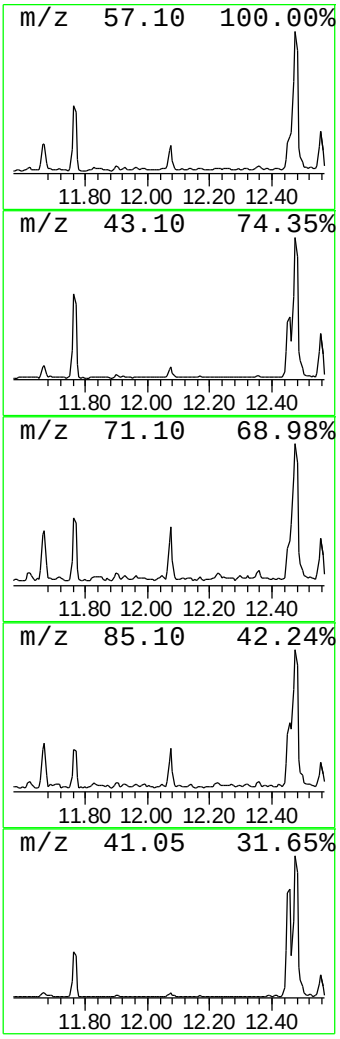
Peak Number 15 Pentadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.04 ng	212034	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Hexacosane	366	C26H54	000630-01-3	90
3	Tetracosane	338	C24H50	000646-31-1	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87





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TIC Library : C:\DATABASE\NIST11.L
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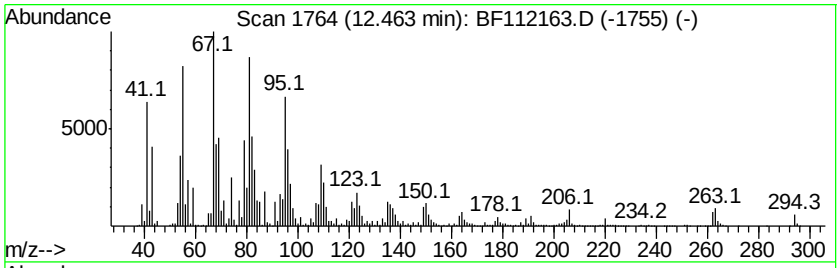
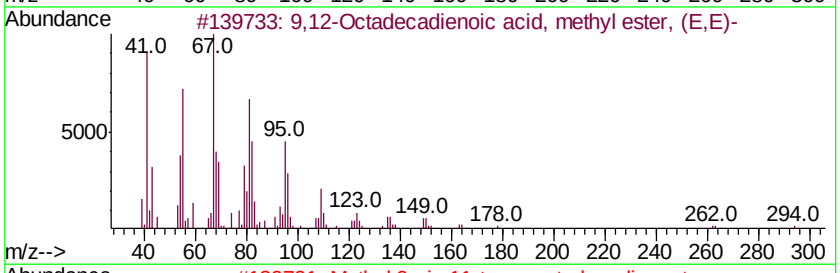
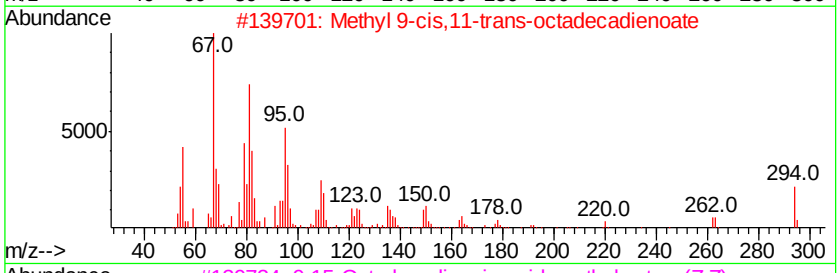
Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 2

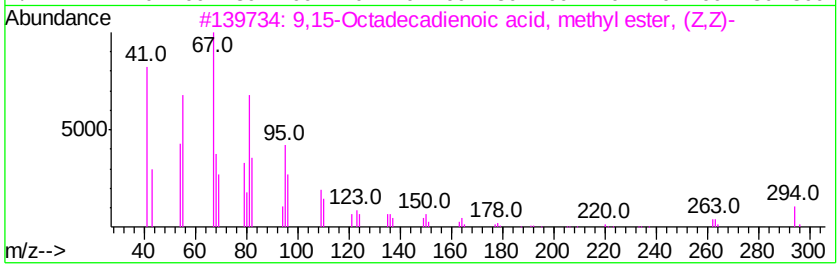
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	101.10 ng	7048120	Phenanthrene-d10	11.38

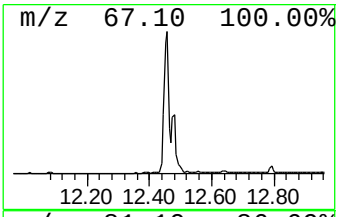
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99

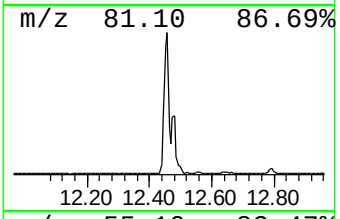


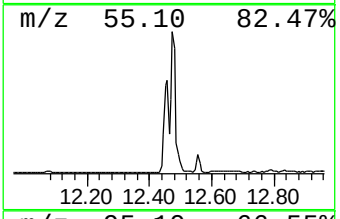


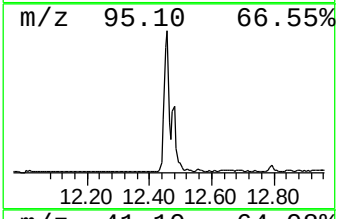


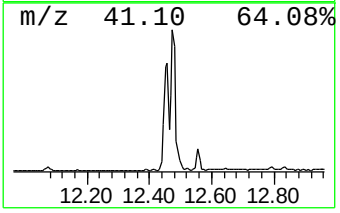












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Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-011819-D

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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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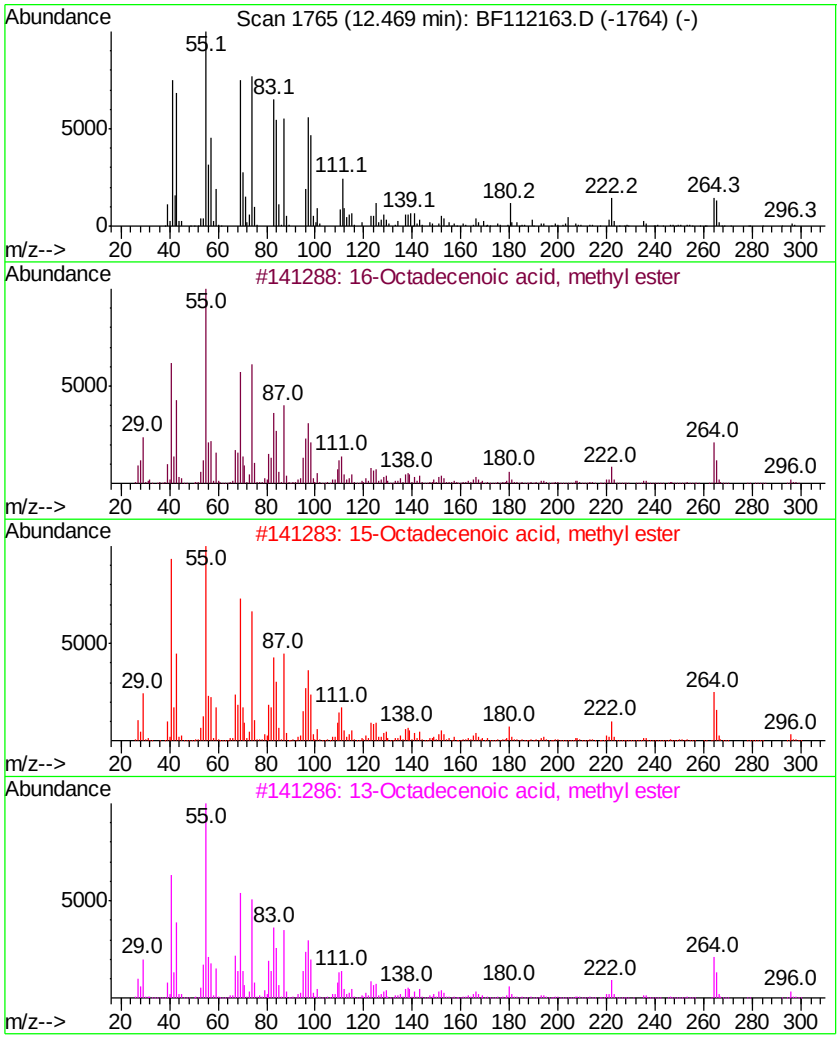
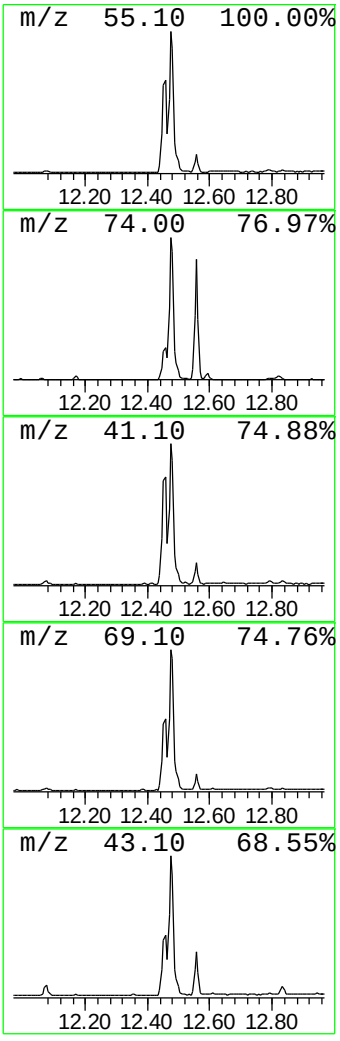
Peak Number 17 16-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	120.69 ng	8414460	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	96
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	96
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	96
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	94





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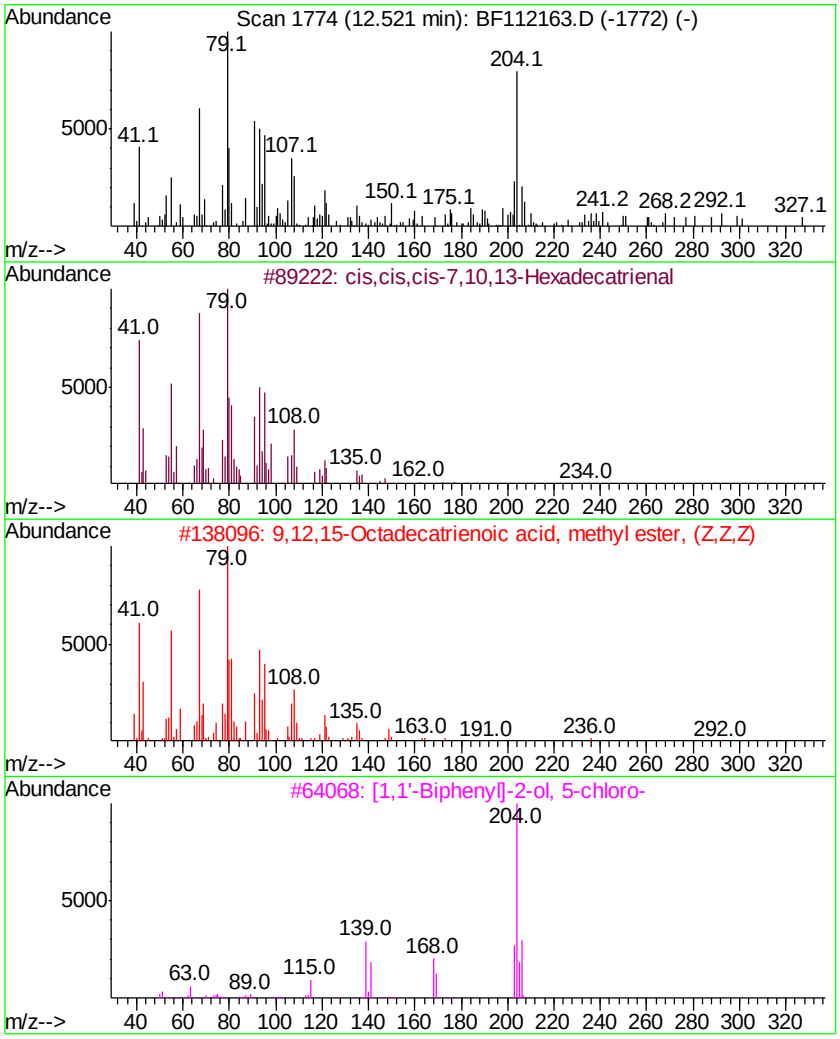
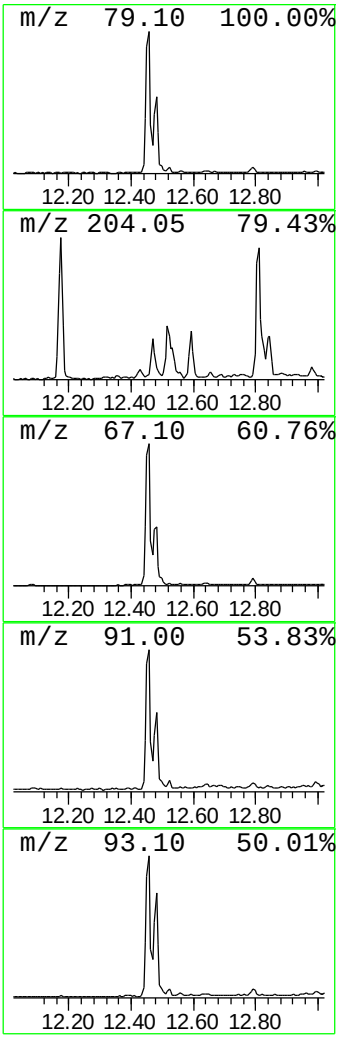
Peak Number 18 unknown12.52 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.28 ng	158883	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,cis,cis-7,10,13-Hexadecatrienal	234	C16H26O	056797-43-4	43
2	9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	43
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	25
4	Bicyclo[3.1.1]hept-2-ene-2-metha...	152	C10H16O	000515-00-4	22
5	3-Undecen-5-yne, (E)-	150	C11H18	074744-29-9	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

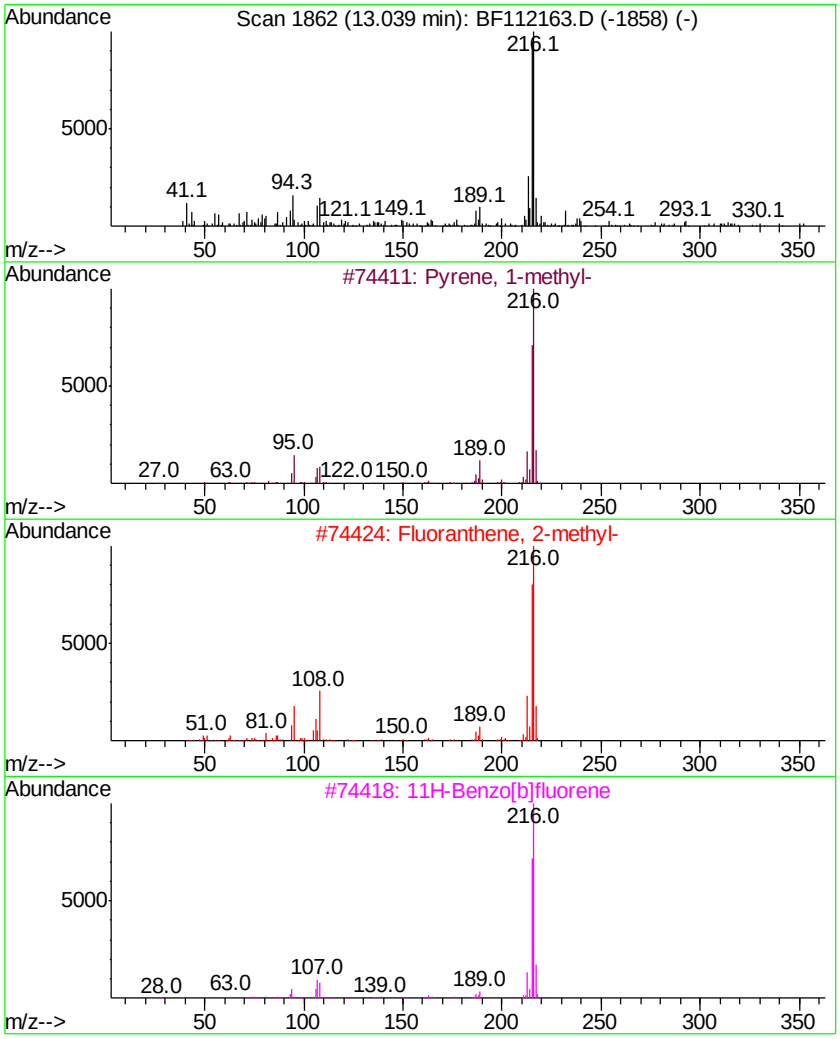
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

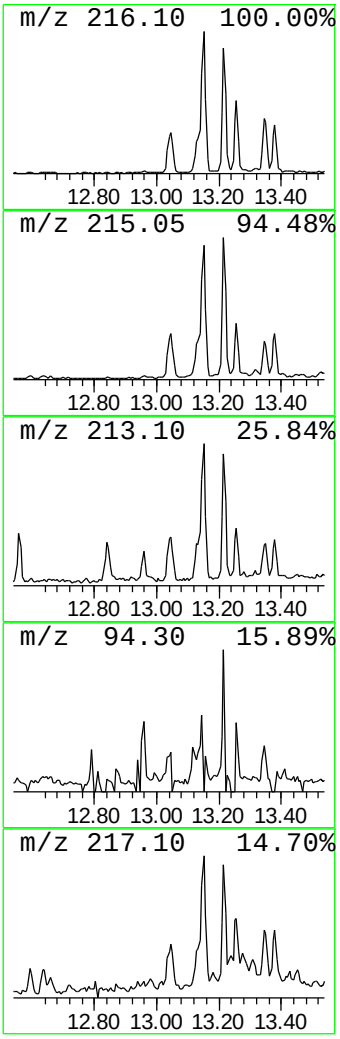
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.13 ng	213115	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

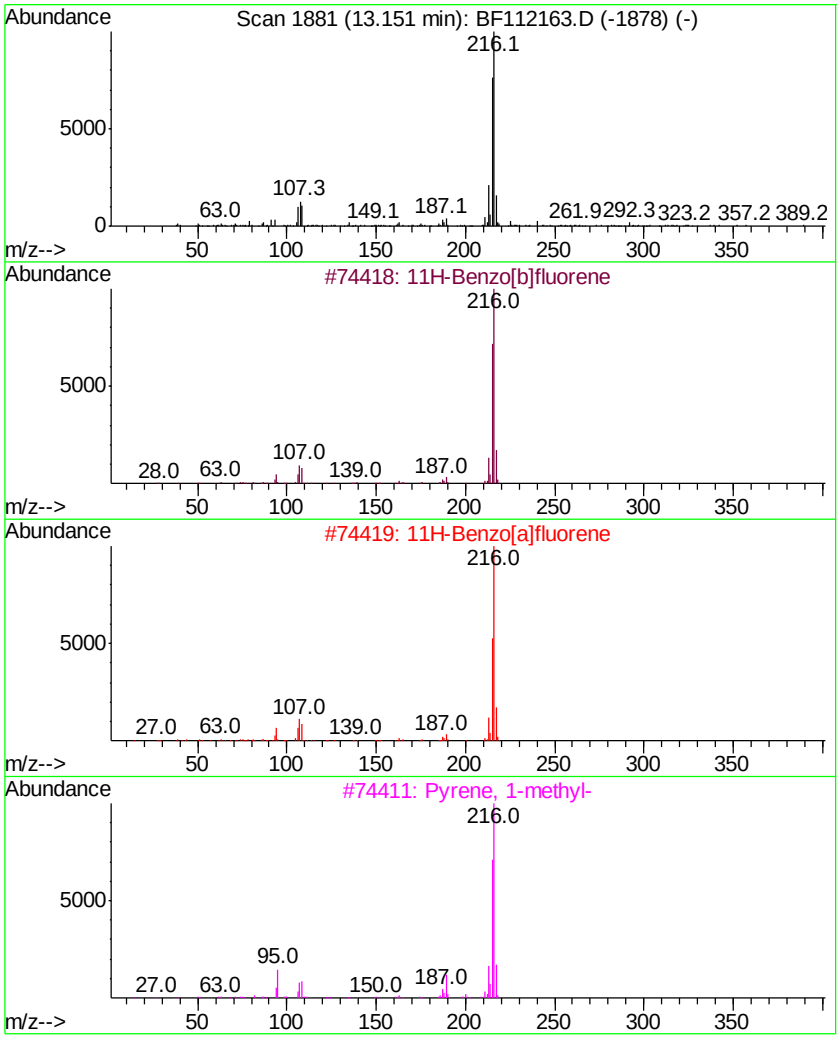
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

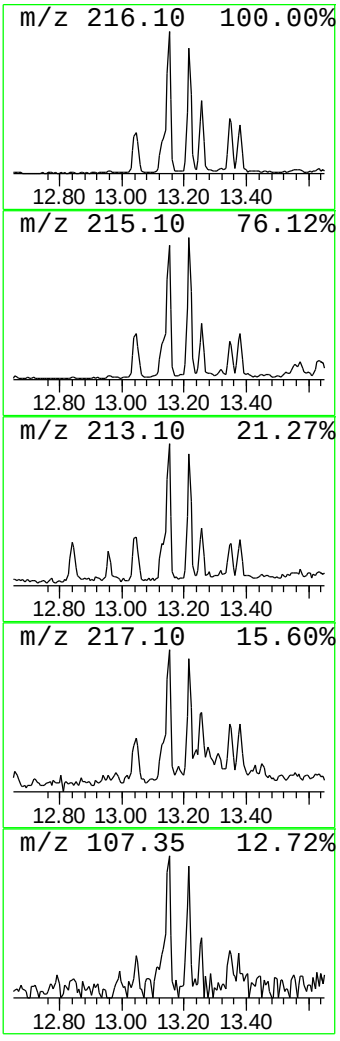
****

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.84 ng	383800	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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
unknown6.63	6.63	13.7	ng	799690	1	6.85	1165580	20.0
Tetradecane	9.29	2.2	ng	139224	3	9.89	1261800	20.0
Octacosane	9.82	2.3	ng	145014	3	9.89	1261800	20.0
Dodecane, 2-methy...	10.32	3.0	ng	188841	3	9.89	1261800	20.0
3-Methyl-4-(metho...	10.54	2.1	ng	135358	3	9.89	1261800	20.0
Hexadecane	10.79	4.4	ng	308396	4	11.38	1394350	20.0
Tridecane, 1-iodo-	11.24	2.5	ng	170512	4	11.38	1394350	20.0
Dibenzothiophene	11.27	2.9	ng	200275	4	11.38	1394350	20.0
Nonadecane	11.67	2.8	ng	196491	4	11.38	1394350	20.0
Hexadecanoic acid...	11.76	33.9	ng	2362560	4	11.38	1394350	20.0
Phenanthrene, 1-m...	11.88	2.4	ng	167514	4	11.38	1394350	20.0
Phenanthrene, 2-m...	11.90	3.7	ng	258479	4	11.38	1394350	20.0
4H-Cyclopenta[def...	11.99	5.1	ng	358561	4	11.38	1394350	20.0
Pentadecane	12.07	3.0	ng	212034	4	11.38	1394350	20.0
9,12-Octadecadien...	12.46	101.1	ng	7048120	4	11.38	1394350	20.0
16-Octadecenoic a...	12.47	120.7	ng	8414460	4	11.38	1394350	20.0
unknown12.52	12.52	2.3	ng	158883	4	11.38	1394350	20.0
Pyrene, 1-methyl-	13.04	2.1	ng	213115	5	14.02	1997560	20.0
11H-Benzo[b]fluorene	13.15	3.8	ng	383800	5	14.02	1997560	20.0