LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107446.D
Acq On : 17 Jul 2018 13:48
Operator : JU/SJ
Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

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-BF071618.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	5.207	482	488	491	rBV	155827	164921	3.03%	0.218%
2	5.601	551	555	558	rBV	1587485	1331970	24.51%	1.759%
3	6.601	721	725	728	rBV	1735285	1389763	25.57%	1.835%
4	6.748	746	750	754	rVV	1640069	1395337	25.68%	1.842%
5	6.984	786	790	793	rVB	1226818	984316	18.11%	1.300%
6	7.136	812	816	820	rVB	1309575	1104897	20.33%	1.459%
7	7.542	881	885	888	rBV	1136376	898447	16.53%	1.186%
8	8.266	1004	1008	1010	rBV	1542553	1259557	23.18%	1.663%
9	8.289	1010	1012	1015	rVB	461121	339053	6.24%	0.448%
10	8.977	1126	1129	1133	rBV	378690	293108	5.39%	0.387%
11	9.077	1141	1146	1150	rBV	371303	354086	6.52%	0.468%
12	9.336	1187	1190	1194	rVB	1839047	1634044	30.07%	2.158%
13	9.601	1231	1235	1240	rVV4	219983	315583	5.81%	0.417%
14	9.683	1245	1249	1251	rVV	303189	324266	5.97%	0.428%
15	9.707	1251	1253	1255	rVV	217657	185997	3.42%	0.246%
16	9.730	1255	1257	1264	rVV2	412549	409861	7.54%	0.541%
17	9.801	1266	1269	1277	rVB2	185709	234459	4.31%	0.310%
18	9.889	1280	1284	1289	rBV	596896	555926	10.23%	0.734%
19	10.030	1304	1308	1310	rVV	1550703	1460166	26.87%	1.928%
20	10.060	1310	1313	1316	rVV	492730	409794	7.54%	0.541%
21	10.130	1321	1325	1329	rBV6	87080	142205	2.62%	0.188%
22	10.230	1338	1342	1345	rVB2	395533	389892	7.17%	0.515%
23	10.336	1356	1360	1363	rBV4	164545	188670	3.47%	0.249%
24	10.366	1363	1365	1371	rVV2	124613	137991	2.54%	0.182%
25	10.442	1372	1378	1381	rVB6	139441	249269	4.59%	0.329%
26	10.577	1397	1401	1406	rVB	791589	762172	14.02%	1.006%
27	10.642	1406	1412	1413	rBV4	128976	165358	3.04%	0.218%
28	10.730	1423	1427	1430	rVB2	194407	199167	3.66%	0.263%
29	10.819	1438	1442	1445	rVB	1183646	1172132	21.57%	1.548%
30	10.930	1456	1461	1467	rVB6	196299	427493	7.87%	0.564%
31	11.019	1473	1476	1480	rVV5	110172	203292	3.74%	0.268%
32	11.054	1480	1482	1485	rVV4	120201	144997	2.67%	0.191%
33	11.124	1489	1494	1496	rVV2	299837	396341	7.29%	0.523%
34	11.154	1496	1499	1501	rVV2	165010	222458	4.09%	0.294%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.207	1505	1508	1511	rVV2	206455	221177	4.07%	0.292%
36	11.248	1511	1515	1517	rVV4	179048	249977	4.60%	0.330%
37	11.271	1517	1519	1524	rVV6	149011	236821	4.36%	0.313%
38	11.319	1525	1527	1530	rVV2	216176	225510	4.15%	0.298%
39	11.366	1532	1535	1538	rVV2	214506	249753	4.60%	0.330%
40	11.419	1541	1544	1548	rVB	403019	407173	7.49%	0.538%
41	11.524	1558	1562	1564	rBV	1529389	1656483	30.48%	2.187%
42	11.548	1564	1566	1569	rVV	3292171	2703745	49.75%	3.570%
43	11.595	1569	1574	1577	rVV	1200095	1083713	19.94%	1.431%
44	11.630	1577	1580	1582	rVV3	121051	140282	2.58%	0.185%
45	11.748	1597	1600	1602	rBV	292276	238124	4.38%	0.314%
46	11.848	1614	1617	1622	rVB2	238287	237060	4.36%	0.313%
47	11.895	1622	1625	1628	rBV2	564642	450580	8.29%	0.595%
48	11.936	1628	1632	1635	rVB2	139269	154172	2.84%	0.204%
49	12.024	1644	1647	1649	rBV	683268	728472	13.40%	0.962%
50	12.048	1649	1651	1654	rVB	811209	772536	14.22%	1.020%
51	12.101	1656	1660	1663	rBV	387788	409980	7.54%	0.541%
52	12.136	1663	1666	1669	rVV2	1171339	1429424	26.30%	1.887%
53	12.160	1669	1670	1673	rVB	490014	225529	4.15%	0.298%
54	12.318	1694	1697	1699	rVV	495606	444670	8.18%	0.587%
55	12.342	1699	1701	1707	rVB4	214008	225409	4.15%	0.298%
56	12.466	1720	1722	1724	rVV2	171849	141809	2.61%	0.187%
57	12.495	1725	1727	1729	rVV	170243	150916	2.78%	0.199%
58	12.518	1729	1731	1734	rVB3	177752	145011	2.67%	0.191%
59	12.589	1737	1743	1744	rVV2	971708	1241835	22.85%	1.640%
60	12.607	1744	1746	1749	rVV2	2034207	1794834	33.03%	2.370%
61	12.665	1752	1756	1759	rVV	530041	649778	11.96%	0.858%
62	12.689	1759	1760	1764	rVB2	372964	328444	6.04%	0.434%
63	12.748	1765	1770	1773	rBV	4520702	4957993	91.23%	6.546%
64	12.777	1773	1775	1777	rVV	172412	145806	2.68%	0.193%
65	12.801	1777	1779	1782	rVV2	229772	187874	3.46%	0.248%
66	12.836	1782	1785	1787	rVB	232933	201603	3.71%	0.266%
67	12.895	1792	1795	1797	rBV	219723	208818	3.84%	0.276%
68	12.983	1802	1810	1813	rBV2	3887500	5434468	100.00%	7.176%
69	13.018	1813	1816	1820	rVB2	307028	337345	6.21%	0.445%
70	13.107	1824	1831	1833	rBV2	1725902	1953650	35.95%	2.580%
71	13.130	1833	1835	1839	rVB2	303102	279209	5.14%	0.369%

LSC Area Percent Report

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Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.189	1840	1845	1848	rBV2	495682	825139	15.18%	1.089%
73	13.271	1856	1859	1860	rBV2	347805	372841	6.86%	0.492%
74	13.295	1861	1863	1866	rVB	962445	951357	17.51%	1.256%
75	13.365	1872	1875	1877	rVB2	842895	674778	12.42%	0.891%
76	13.407	1877	1882	1884	rBV2	679740	842019	15.49%	1.112%
77	13.495	1894	1897	1900	rBV	414767	351338	6.46%	0.464%
78	13.524	1900	1902	1905	rBV	432576	425459	7.83%	0.562%
79	13.671	1924	1927	1928	rBV3	186488	184296	3.39%	0.243%
80	13.777	1943	1945	1947	rBV3	152307	175615	3.23%	0.232%
81	13.807	1947	1950	1953	rVB	393759	399988	7.36%	0.528%
82	13.918	1966	1969	1972	rBV3	419646	432604	7.96%	0.571%
83	13.948	1972	1974	1976	rVB	476372	362708	6.67%	0.479%
84	13.971	1976	1978	1983	rBV2	481130	745321	13.71%	0.984%
85	14.012	1983	1985	1990	rVB	377951	422794	7.78%	0.558%
86	14.165	2007	2011	2015	rBV2	2412130	3846254	70.78%	5.078%
87	14.207	2015	2018	2023	rVB	2196183	2269683	41.76%	2.997%
88	14.283	2028	2031	2033	rBV	519357	445191	8.19%	0.588%
89	14.318	2034	2037	2039	rBV3	244954	235138	4.33%	0.310%
90	14.389	2046	2049	2053	rBV2	283861	479705	8.83%	0.633%
91	14.559	2076	2078	2081	rVB	591354	472076	8.69%	0.623%
92	14.589	2081	2083	2087	rVB	298523	268812	4.95%	0.355%
93	14.689	2098	2100	2102	rBV	265911	258602	4.76%	0.341%
94	14.712	2102	2104	2108	rVB3	406424	341399	6.28%	0.451%
95	15.265	2192	2198	2201	rBV	1739859	3247942	59.77%	4.288%
96	15.371	2214	2216	2219	rVB	478722	424964	7.82%	0.561%
97	15.589	2249	2253	2260	rVB	951877	1398255	25.73%	1.846%
98	15.659	2260	2265	2271	rBV	1615143	2201157	40.50%	2.906%
99	15.718	2271	2275	2278	rBV	786665	1103793	20.31%	1.457%
100	17.306	2541	2545	2551	rVB3	577670	1079914	19.87%	1.426%

Sum of corrected areas: 75736113

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107446.D
Acq On : 17 Jul 2018 13:48
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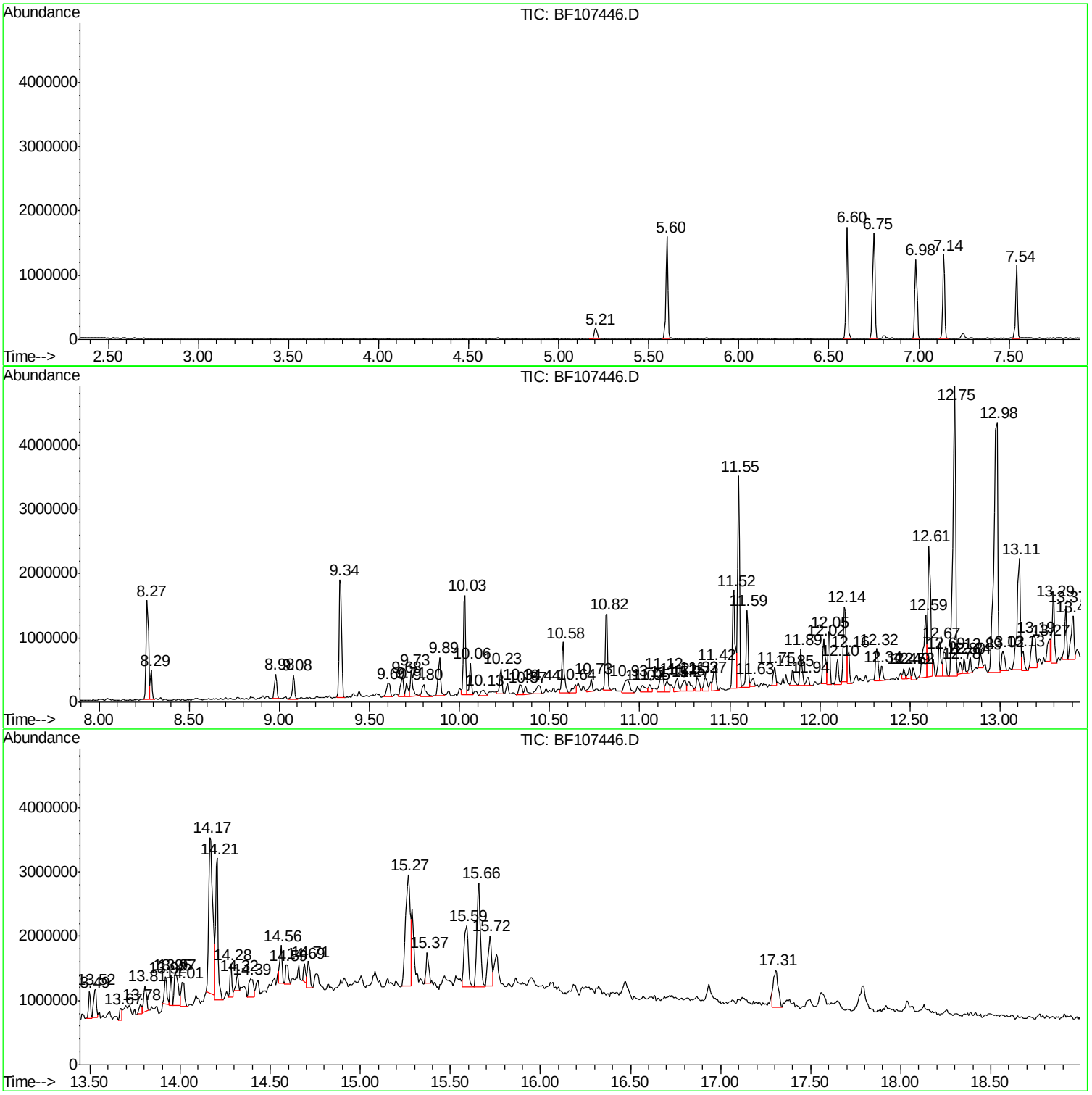
Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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\BF071718\
Data File : BF107446.D
Acq On : 17 Jul 2018 13:48
Operator : JU/SJ
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

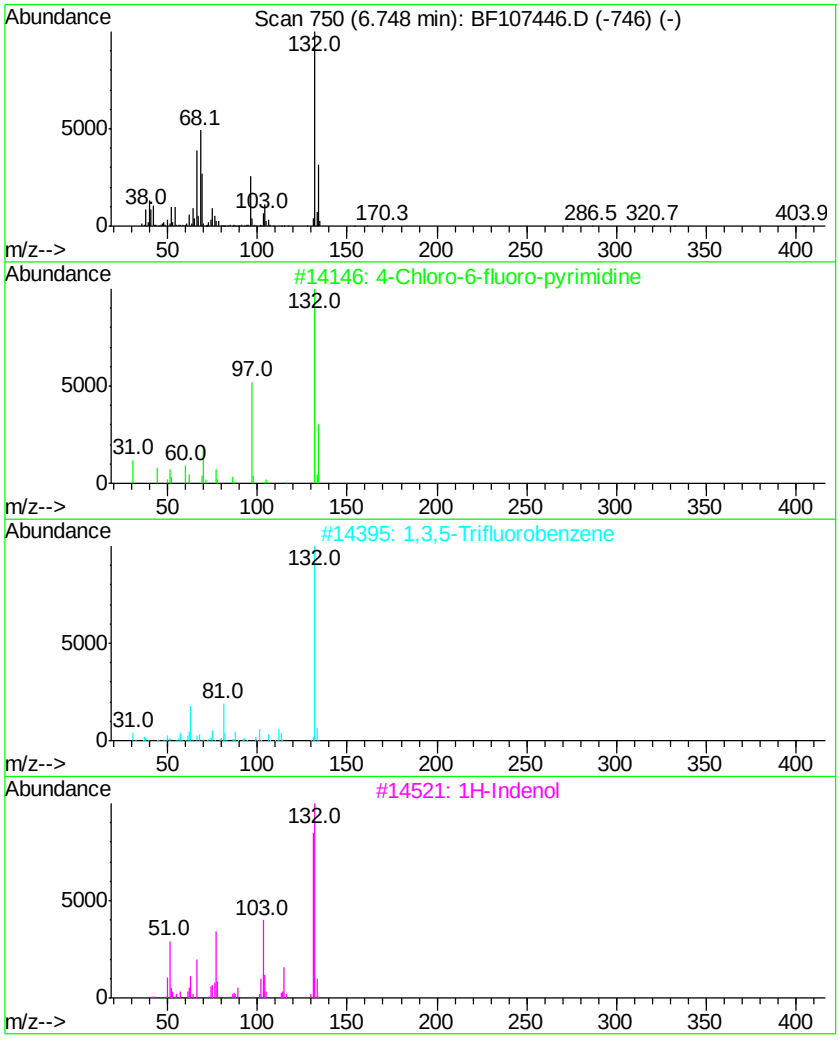
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

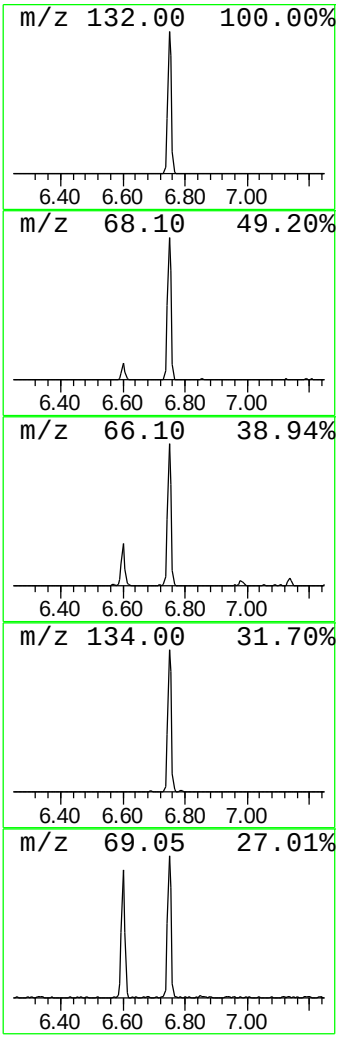
****

Peak Number 1 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	28.35 ng	1395340	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
2	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	10
3	1H-Indenol	132	C9H8O	056631-57-3	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	10





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Instrument : BNA_F
ClientSampleId : PL-01-071318-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

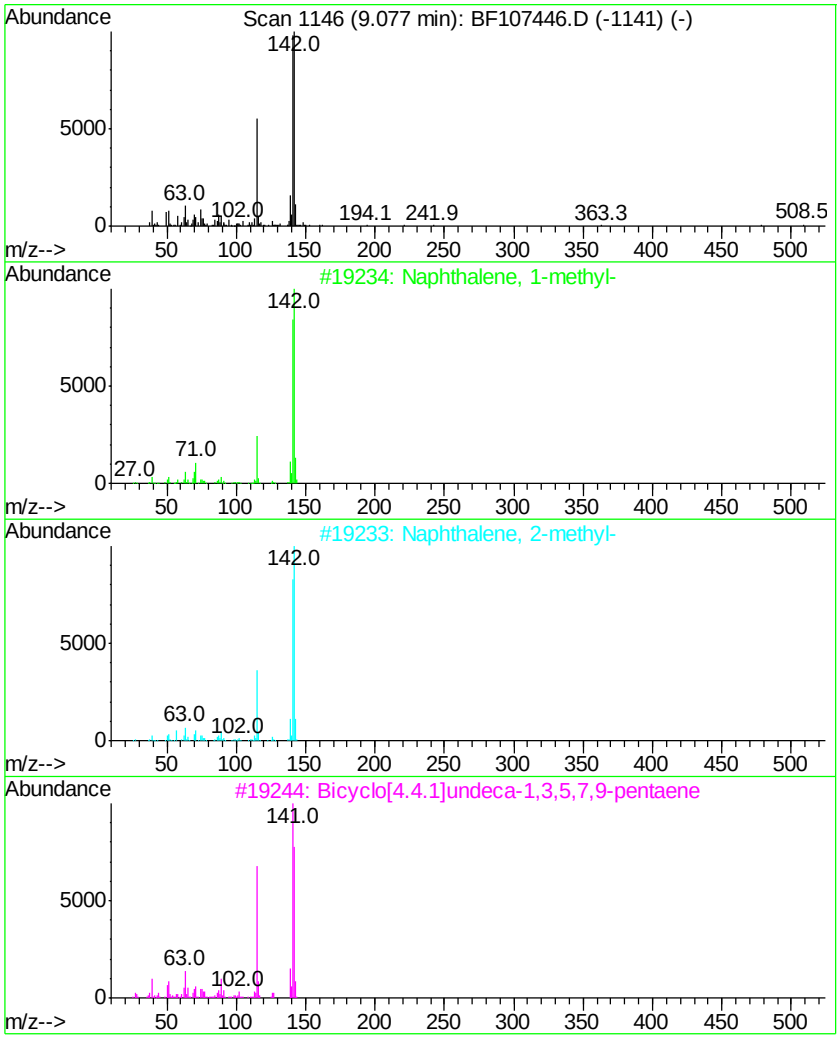
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

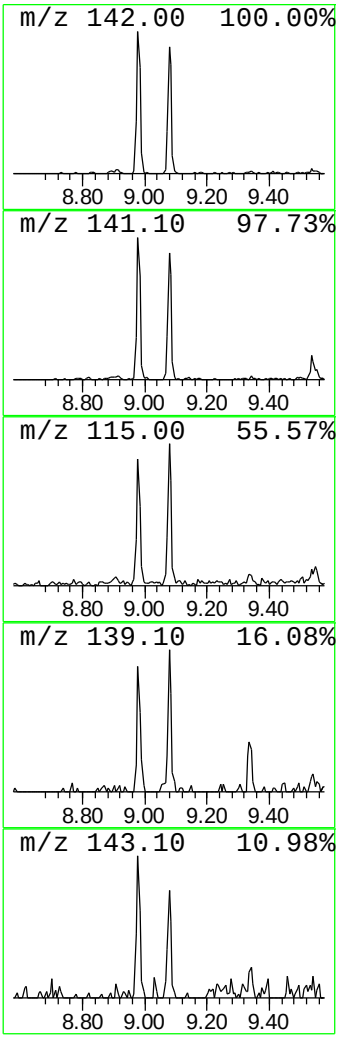
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	5.62 ng	354086	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	90





Library Search Compound Report

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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

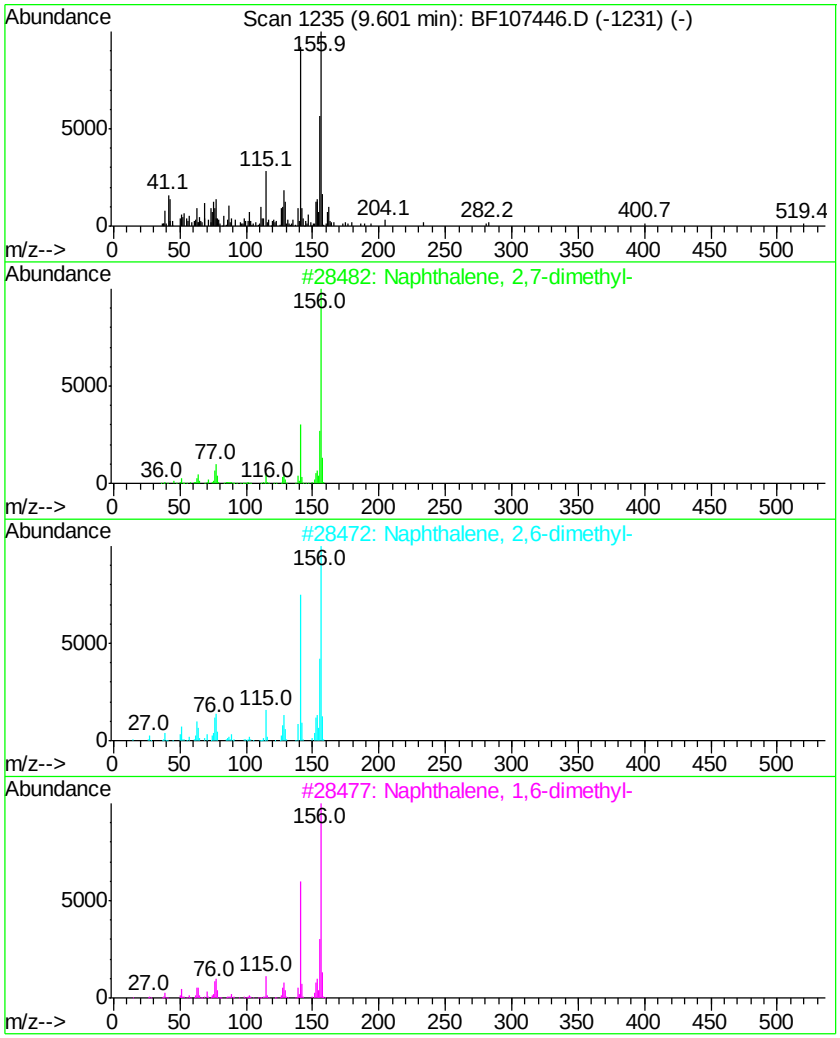
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

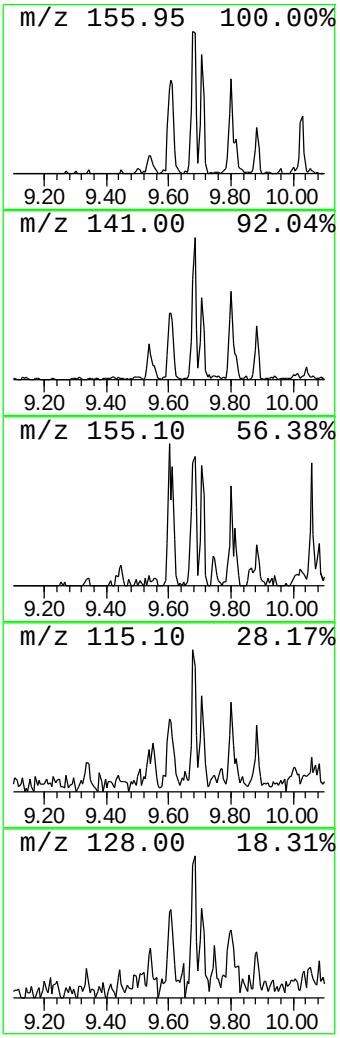
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	4.32 ng	315583	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	89
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	89
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	89





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
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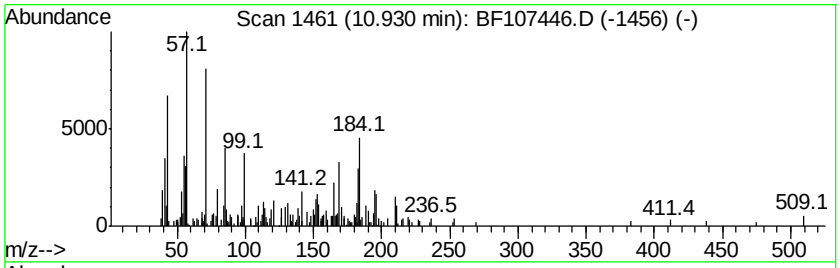
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

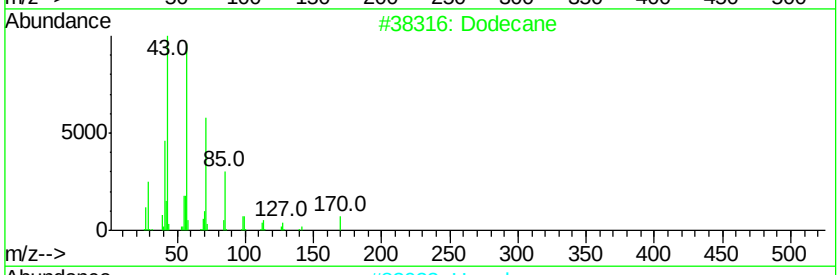
****

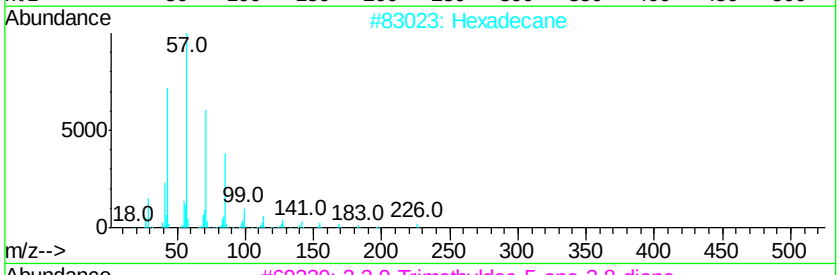
Peak Number 5 unknown10.93 Concentration Rank 14

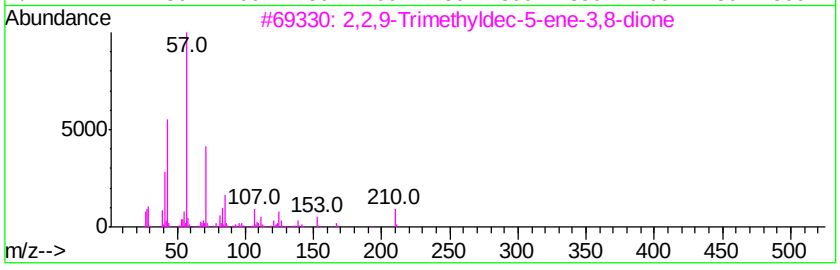
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	5.16 ng	427493	Phenanthrene-d10	11.52

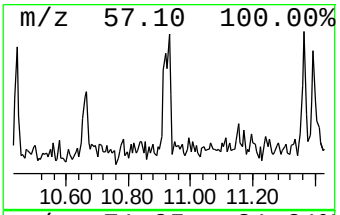
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	43
2	Hexadecane	226	C16H34	000544-76-3	38
3	2,2,9-Trimethyldec-5-ene-3,8-dione	210	C13H22O2	083040-81-7	38
4	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	35
5	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	35

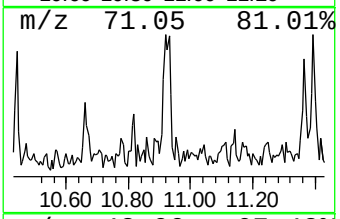


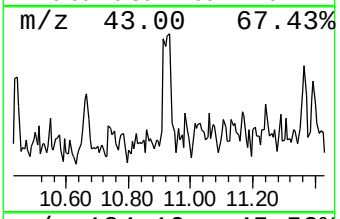


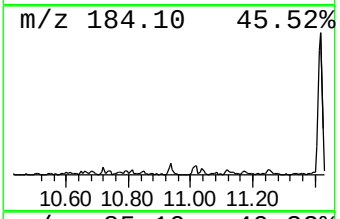


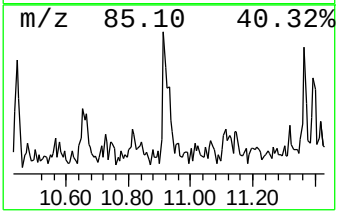












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Acq On : 17 Jul 2018 13:48
Operator : JU/SJ
Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

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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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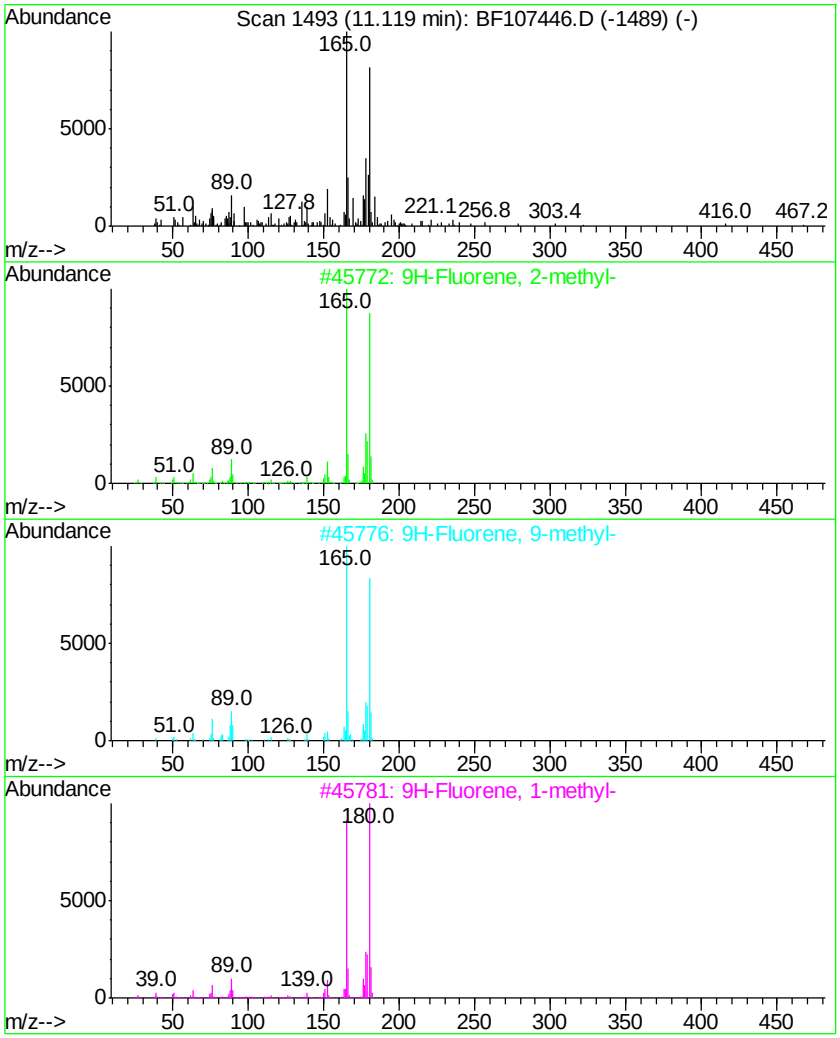
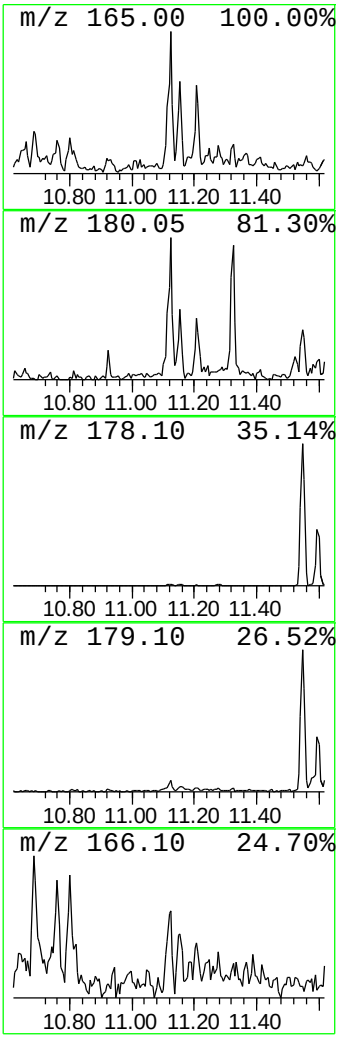
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	4.79 ng	396341	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70





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Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

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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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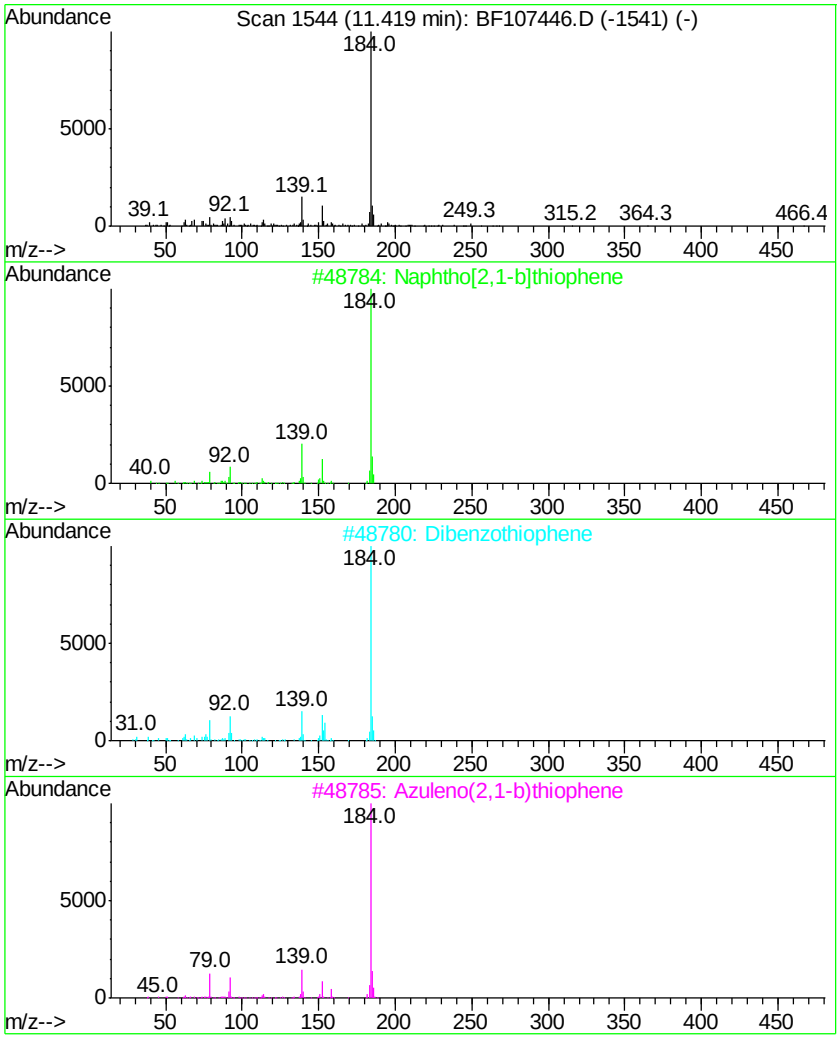
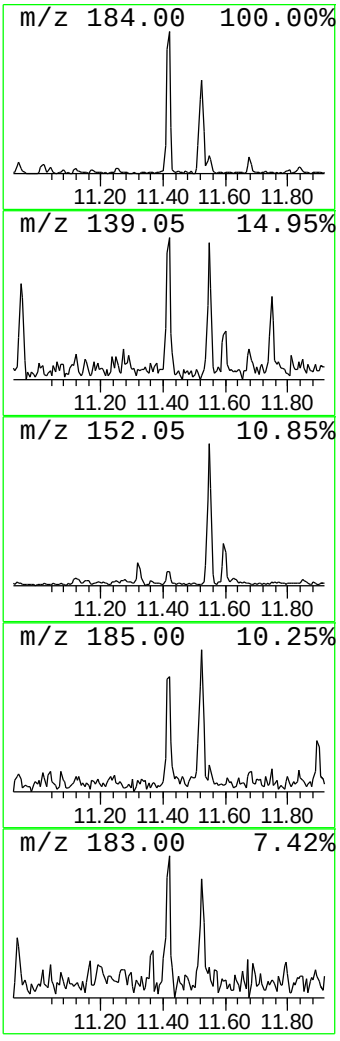
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	4.92 ng	407173	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	72





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

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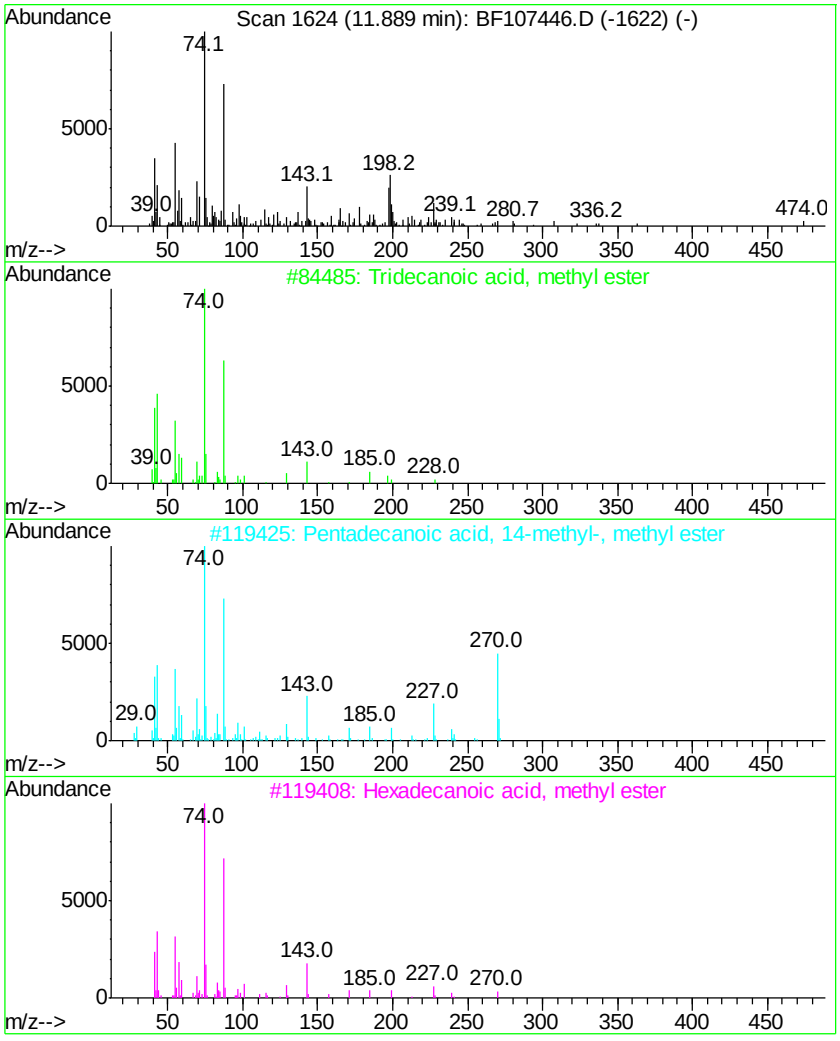
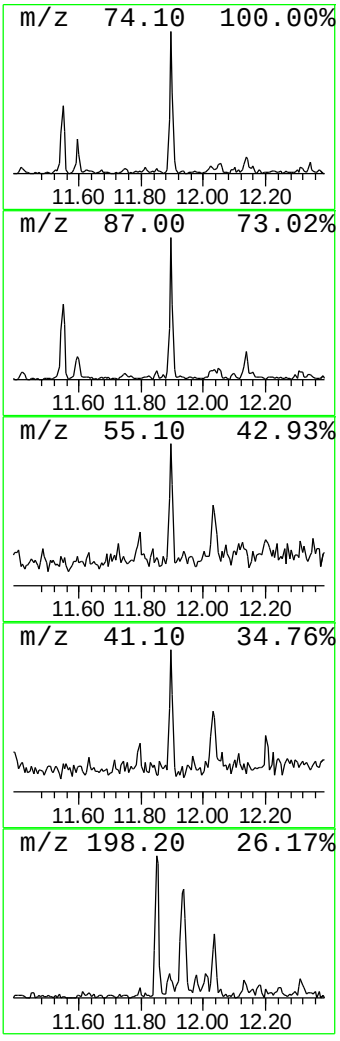
Peak Number 8 Tridecanoic acid, methyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	5.44 ng	450580	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	95
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	90
3	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	86
4	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	83
5	Undecanoic acid, methyl ester	200	C12H24O2	001731-86-8	83





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

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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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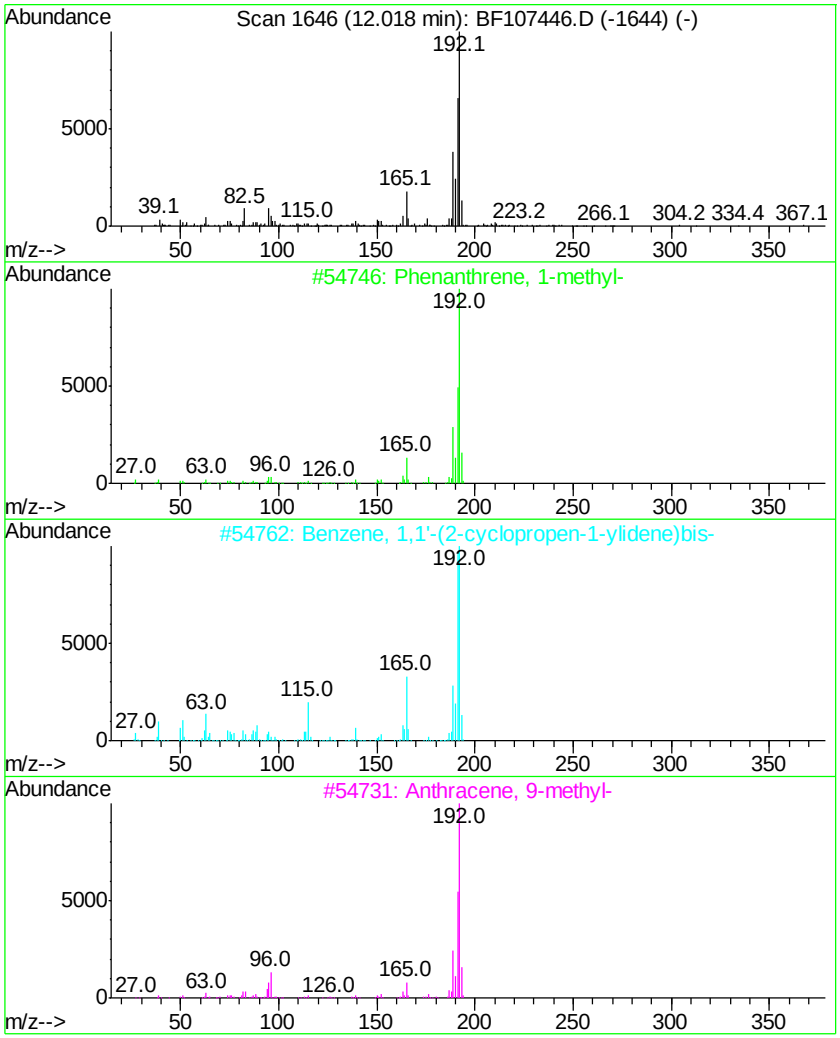
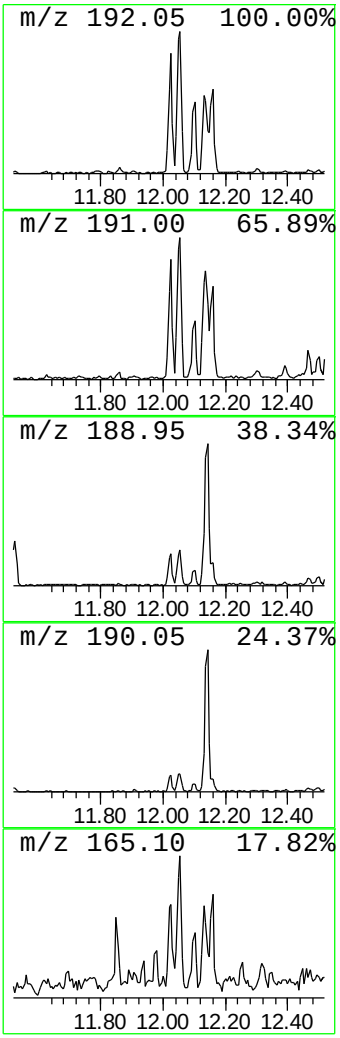
Peak Number 9 Benzene, 1,1'-(2-cycloprope... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.80 ng	728472	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	83
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74





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ALS Vial : 11 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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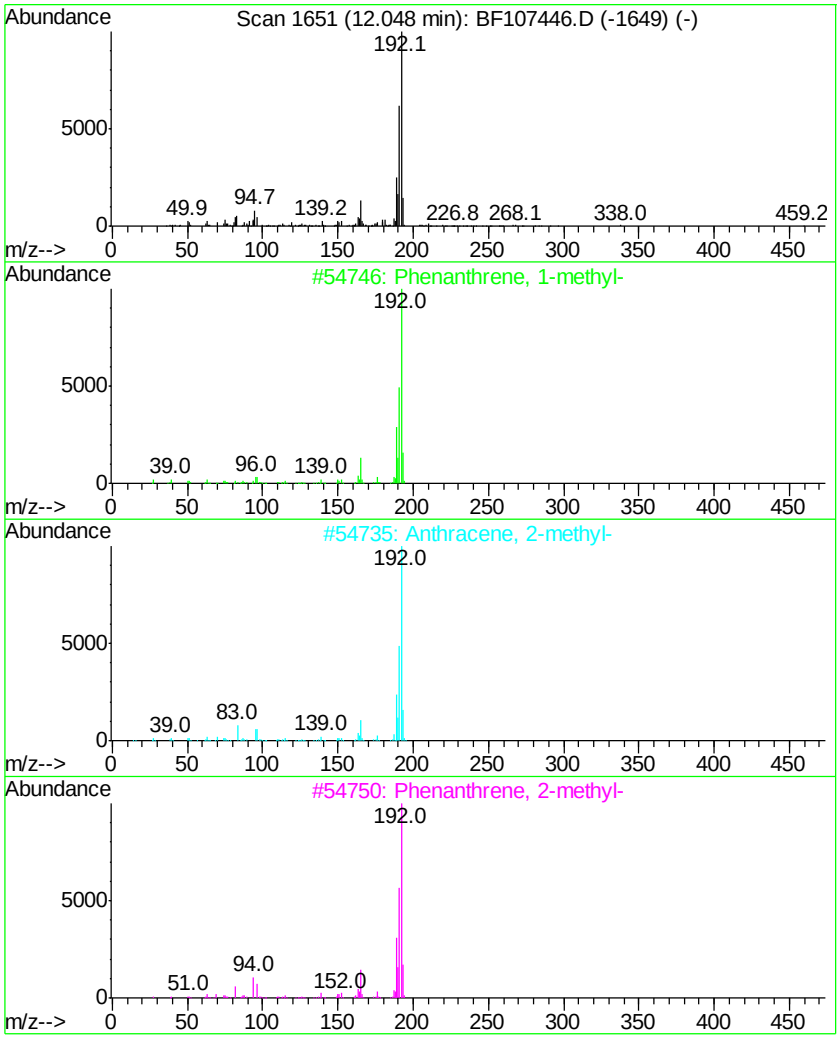
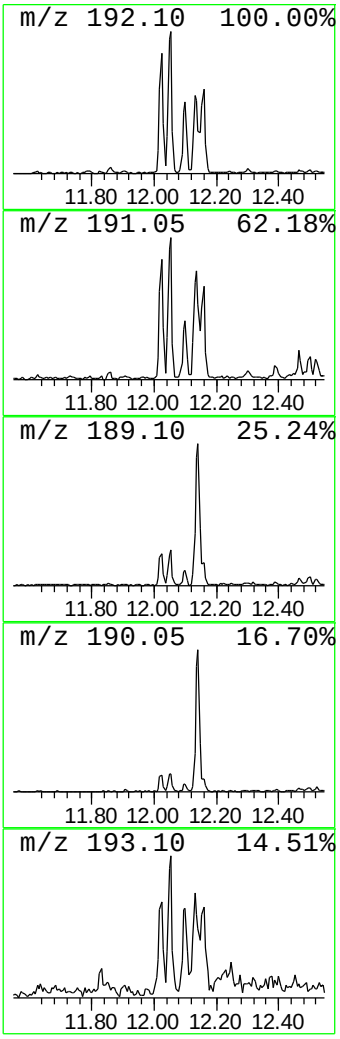
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	9.33 ng	772536	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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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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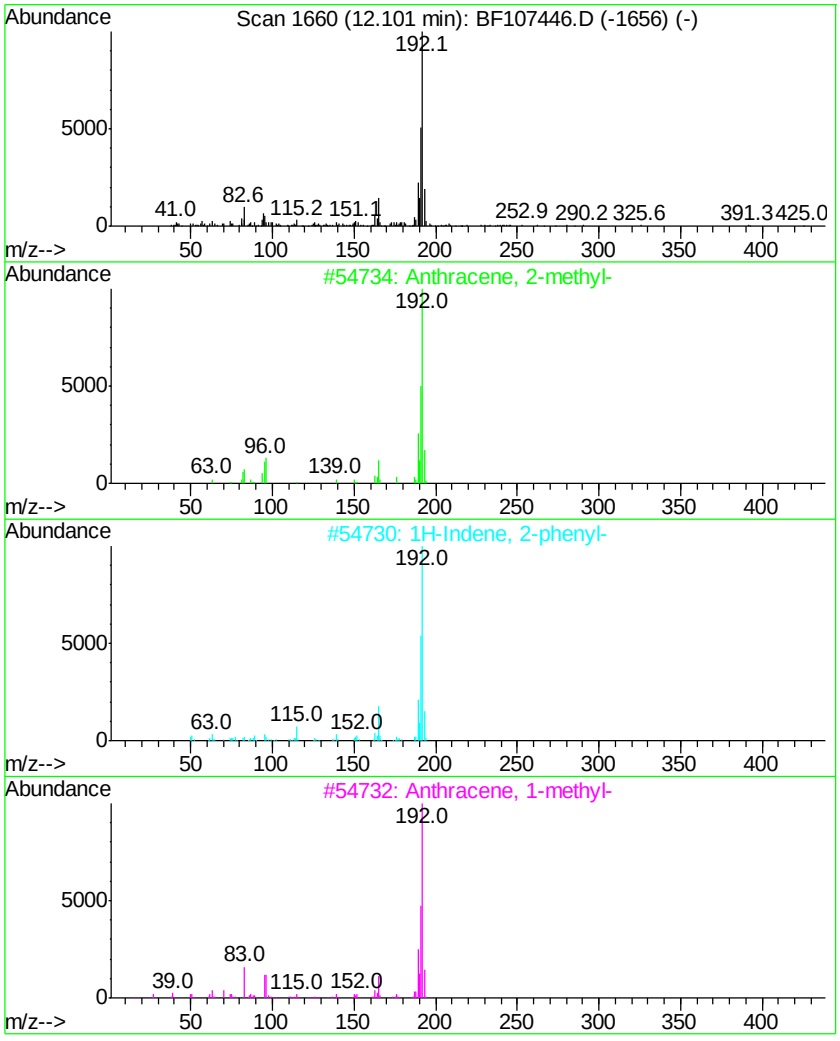
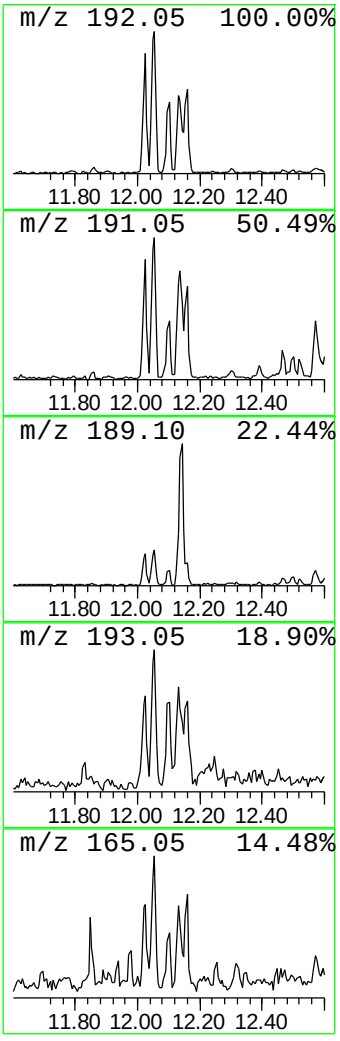
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	4.95 ng	409980	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Instrument : BNA_F
ClientSampleId : PL-01-071318-A

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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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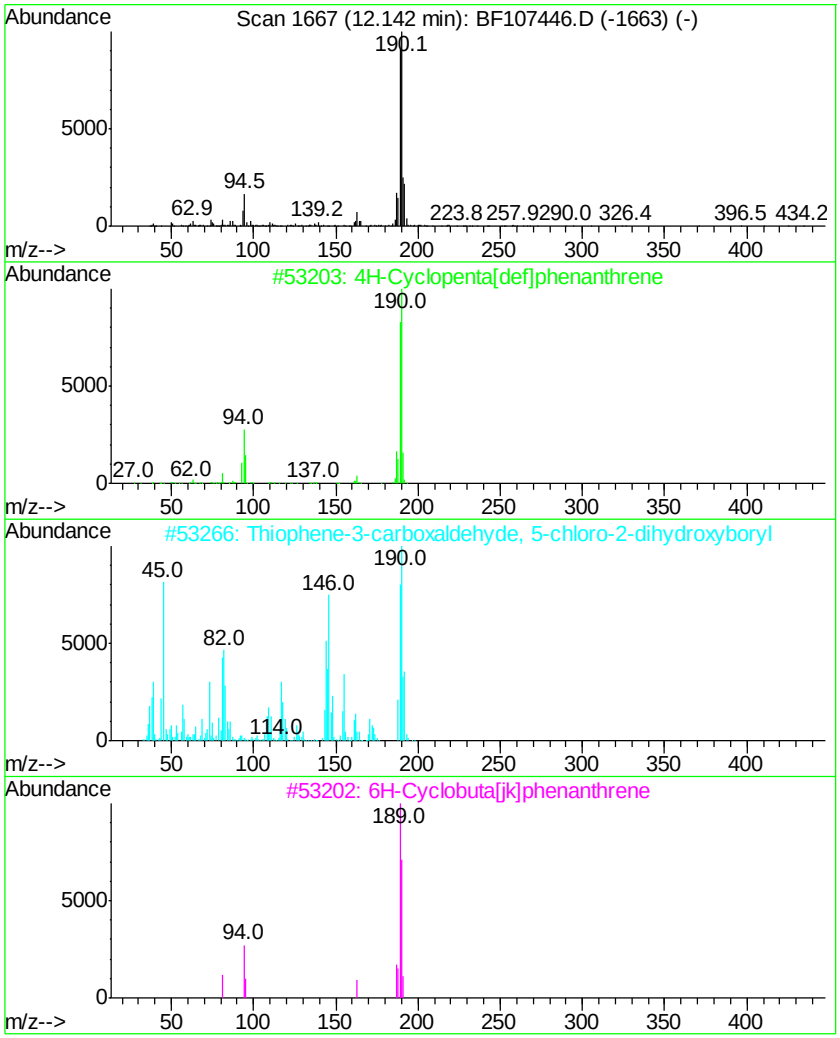
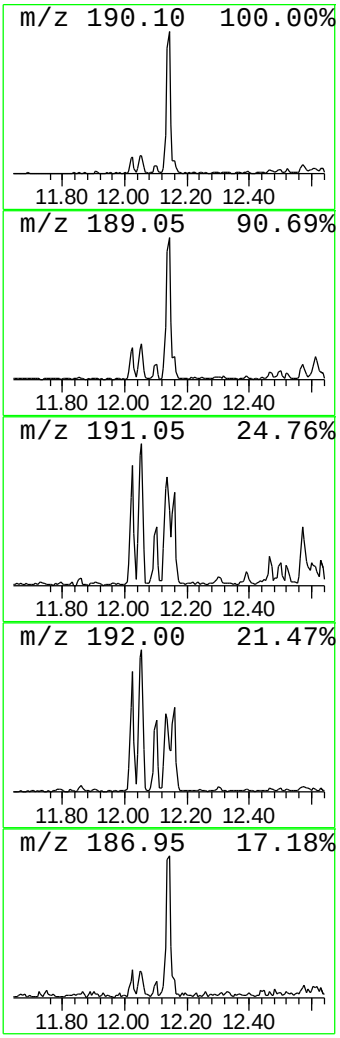
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	17.26 ng	1429420	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Instrument : BNA_F
ClientSampleId : PL-01-071318-A

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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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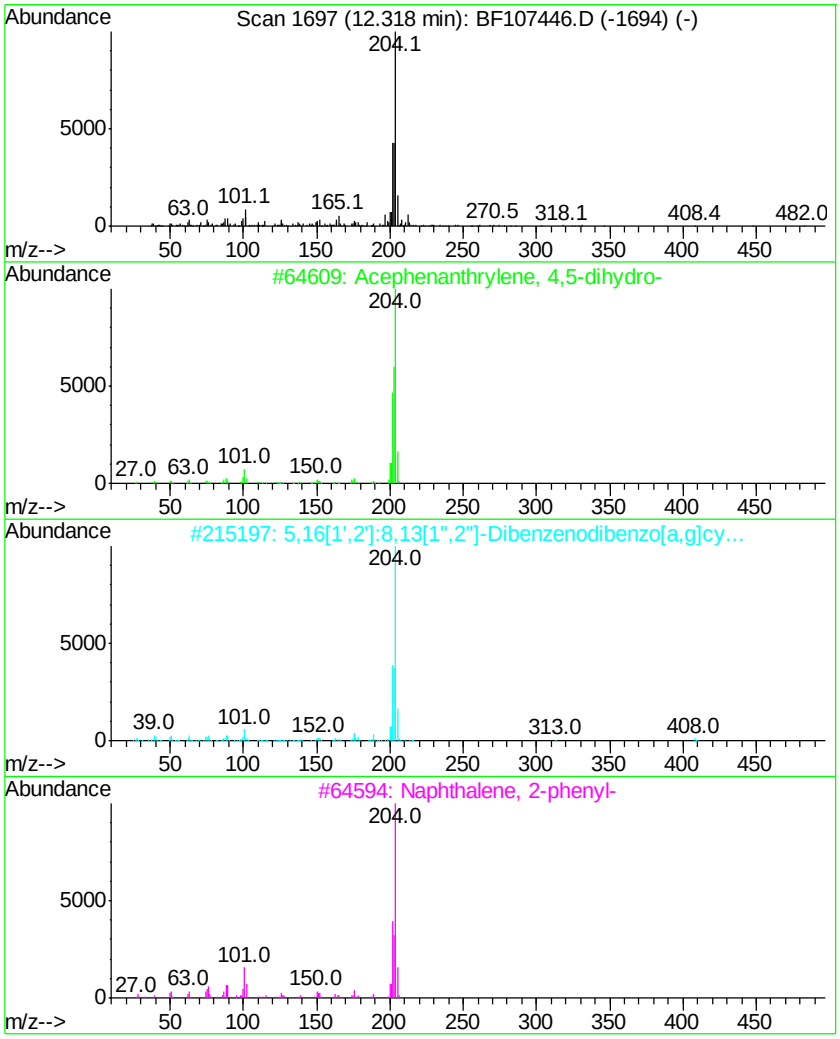
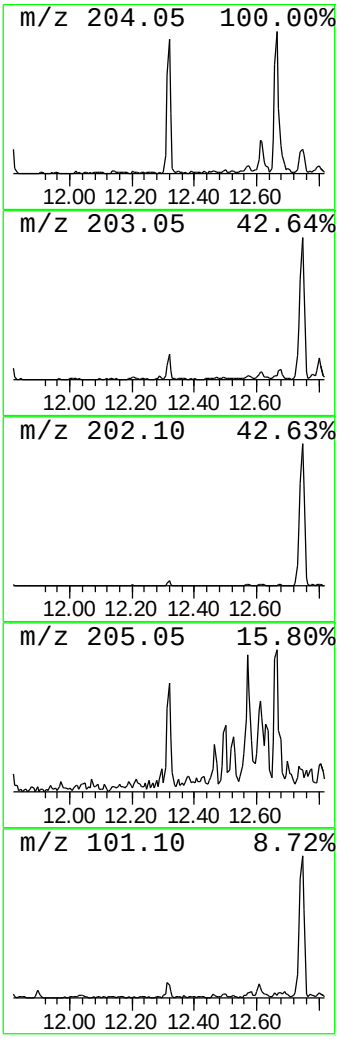
Peak Number 13 Acephenanthrylene, 4,5-dihy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	5.37 ng	444670	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50





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TIC Library : C:\DATABASE\NIST11.L
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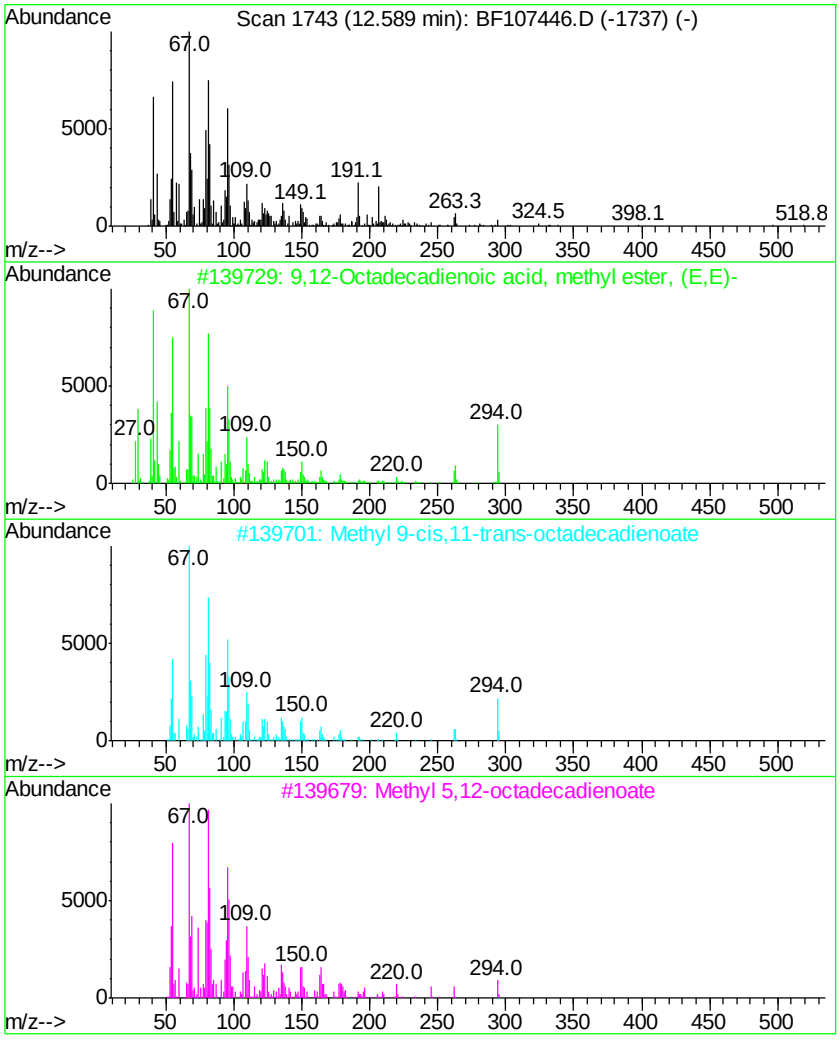
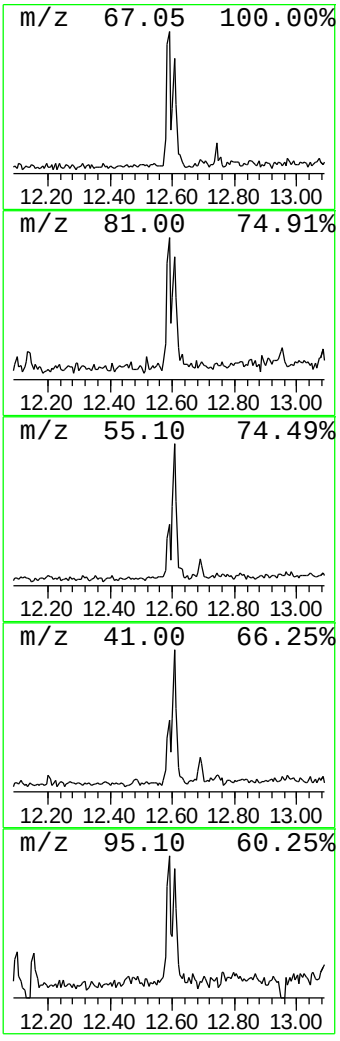
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	14.99 ng	1241840	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methv...	294	C19H34O2	002566-97-4	96
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	93
3	Methyl 5,12-octadecadienoate	294	C19H34O2	1000336-43-1	91
4	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	89
5	Butyl 9,12-octadecadienoate	336	C22H40O2	1000336-54-1	87





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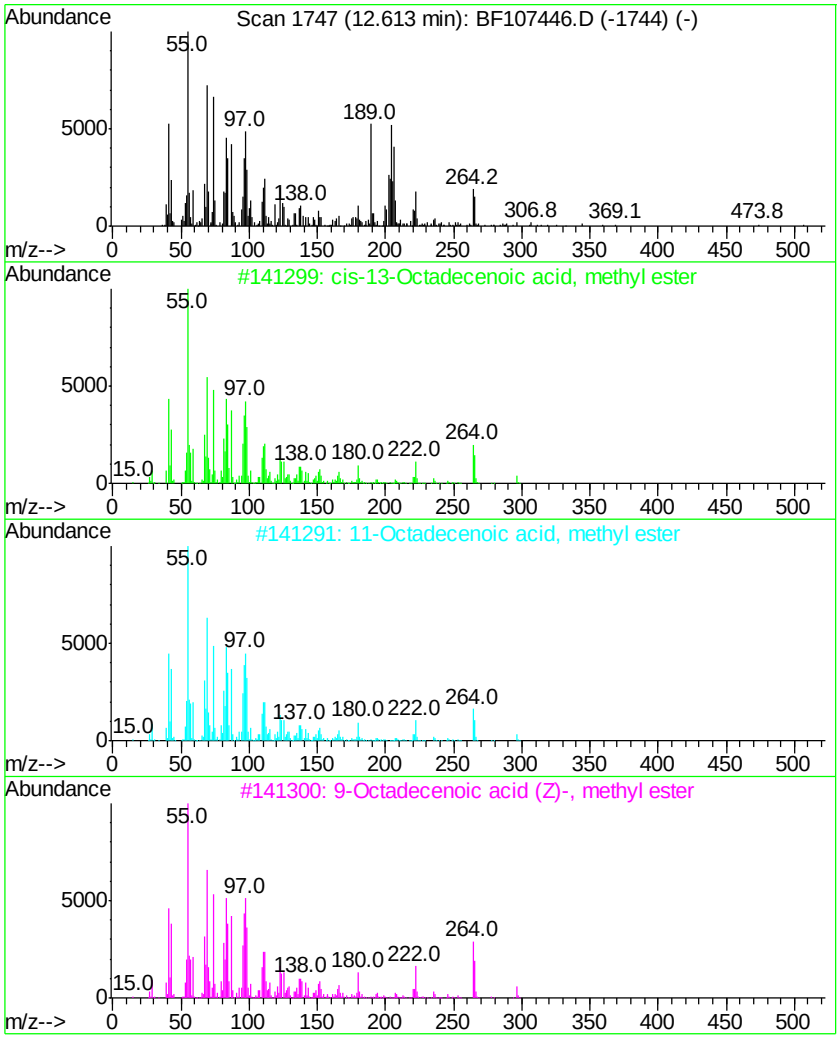
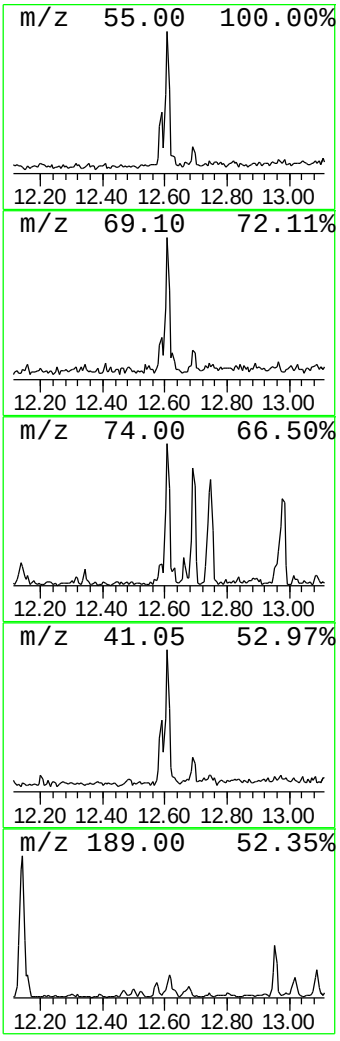
Peak Number 15 cis-13-Octadecenoic acid, m... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	21.67 ng	1794830	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	99
2	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
4	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
5	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	98





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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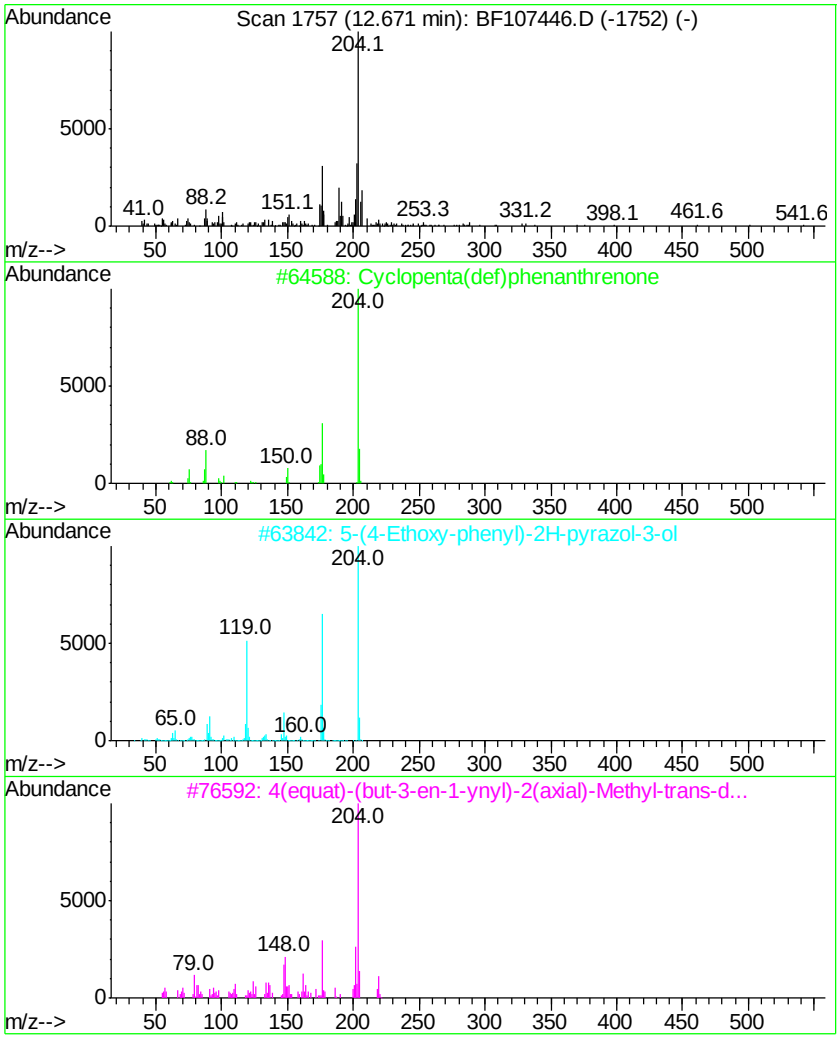
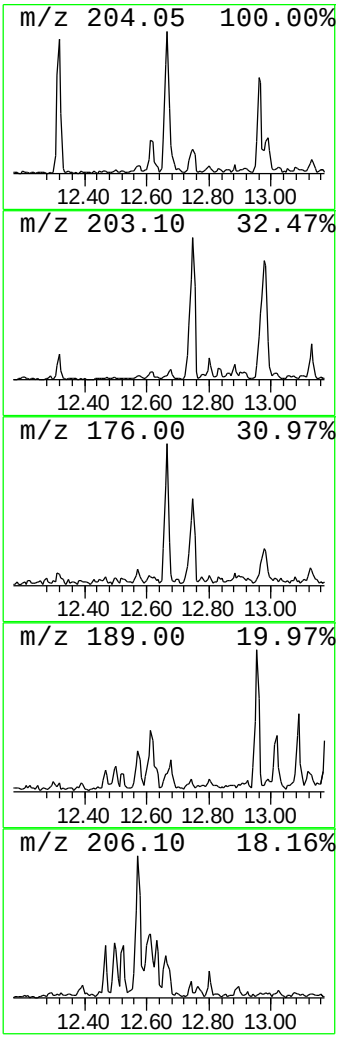
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	7.85 ng	649778	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107446.D
Acq On : 17 Jul 2018 13:48
Operator : JU/SJ
Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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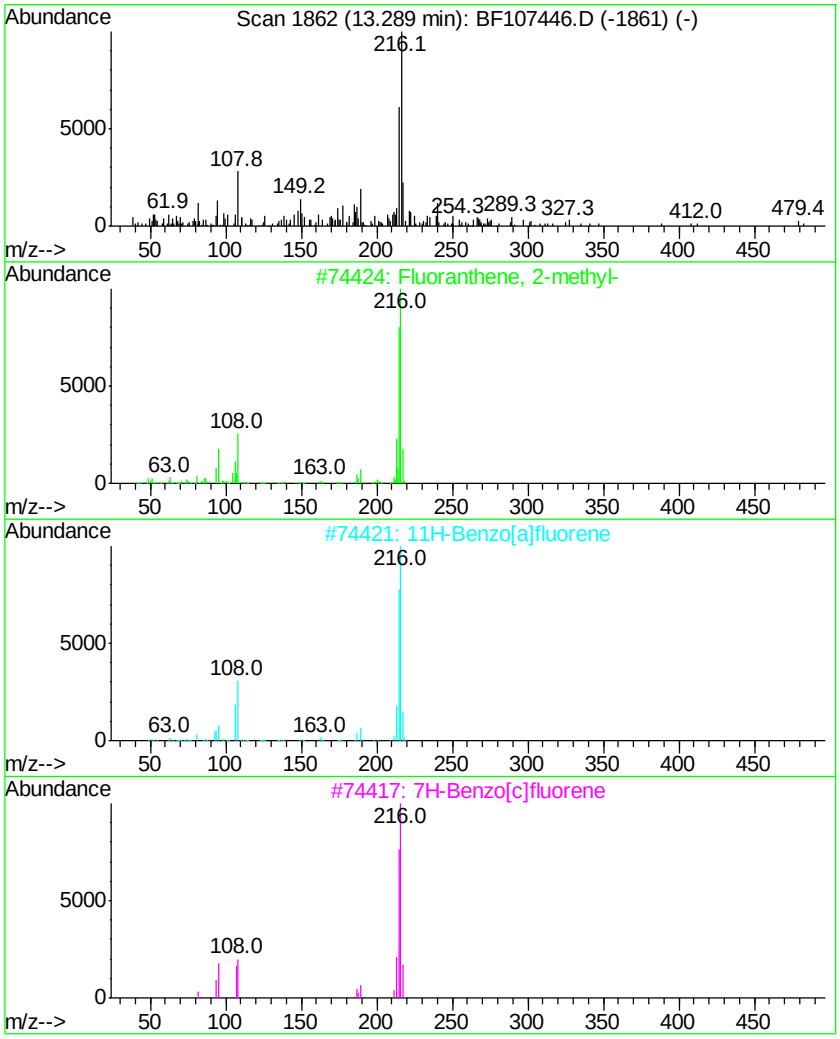
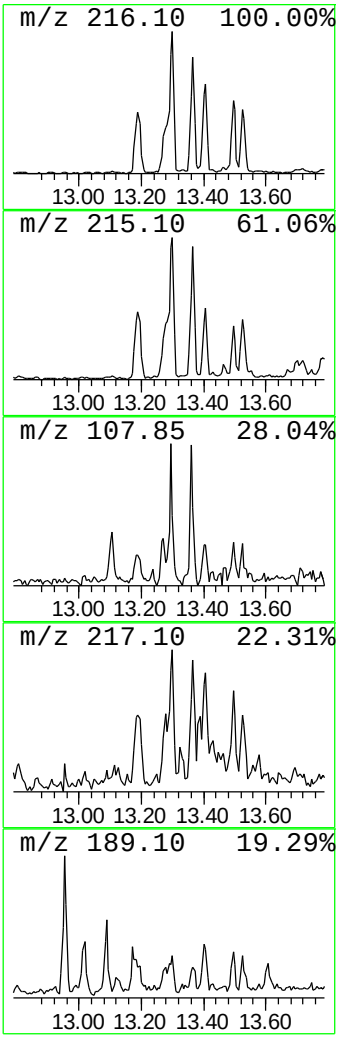
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	4.95 ng	951357	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107446.D
Acq On : 17 Jul 2018 13:48
Operator : JU/SJ
Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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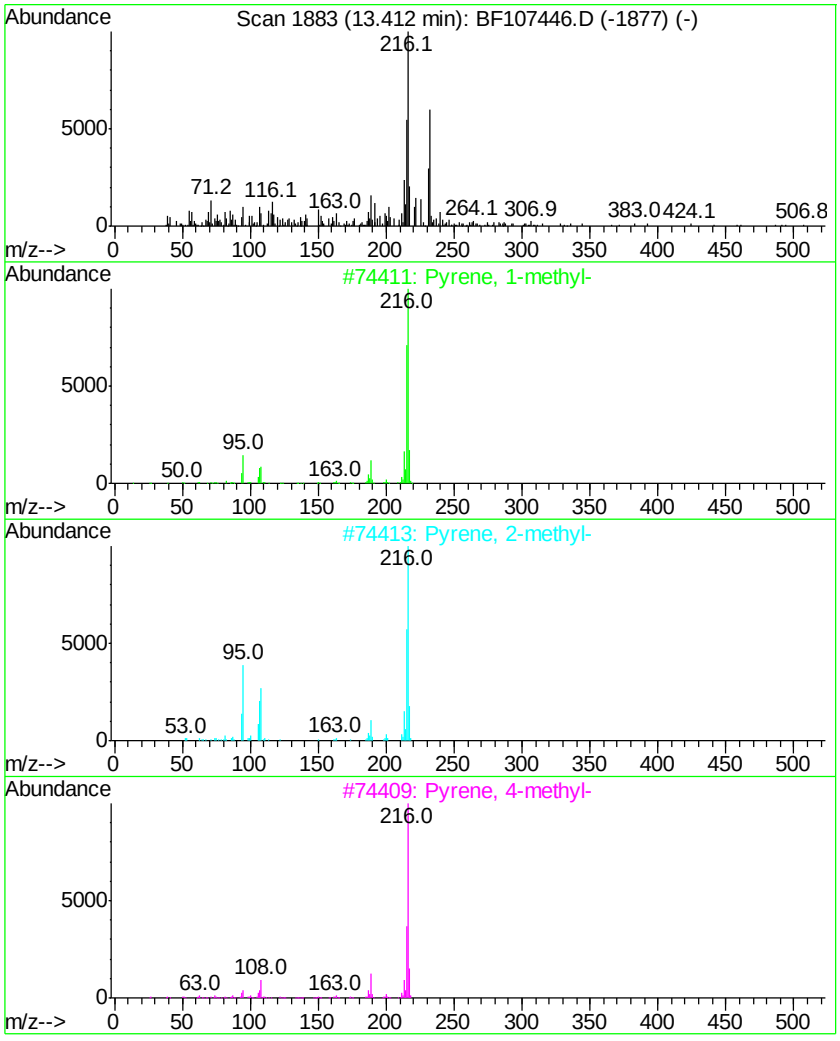
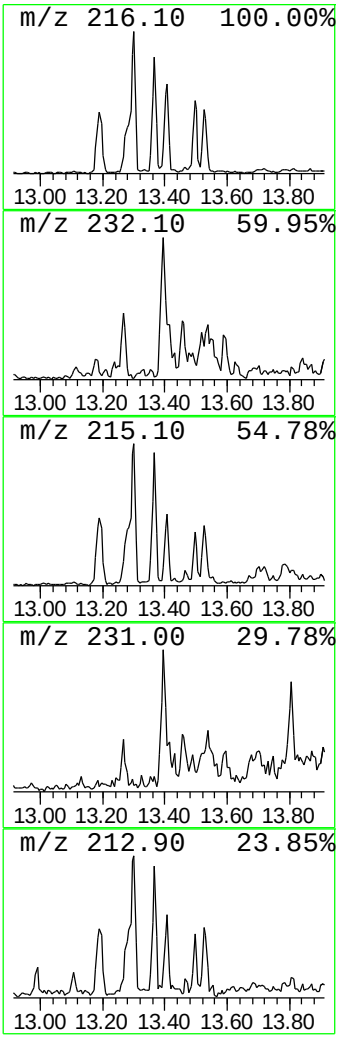
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	4.38 ng	842019	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
Data File : BF107446.D
Acq On : 17 Jul 2018 13:48
Operator : JU/SJ
Sample : J3829-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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
unknown6.75	6.75	28.4	ng	1395340	1	6.98	984316	20.0
Naphthalene, 1-me...	9.08	5.6	ng	354086	2	8.27	1259560	20.0
Naphthalene, 2,7-...	9.60	4.3	ng	315583	3	10.03	1460170	20.0
unknown10.93	10.93	5.2	ng	427493	4	11.52	1656480	20.0
9H-Fluorene, 2-me...	11.12	4.8	ng	396341	4	11.52	1656480	20.0
Naphtho[2,1-b]thi...	11.42	4.9	ng	407173	4	11.52	1656480	20.0
Tridecanoic acid,...	11.89	5.4	ng	450580	4	11.52	1656480	20.0
Benzene, 1,1'-(2-...	12.02	8.8	ng	728472	4	11.52	1656480	20.0
Phenanthrene, 1-m...	12.05	9.3	ng	772536	4	11.52	1656480	20.0
Anthracene, 2-met...	12.10	5.0	ng	409980	4	11.52	1656480	20.0
4H-Cyclopenta[def...	12.14	17.3	ng	1429420	4	11.52	1656480	20.0
Acephenanthrylene...	12.32	5.4	ng	444670	4	11.52	1656480	20.0
9,12-Octadecadien...	12.59	15.0	ng	1241840	4	11.52	1656480	20.0
cis-13-Octadeceno...	12.61	21.7	ng	1794830	4	11.52	1656480	20.0
Cyclopenta(def)ph...	12.67	7.8	ng	649778	4	11.52	1656480	20.0
Fluoranthene, 2-m...	13.29	5.0	ng	951357	5	14.18	3846250	20.0
Pyrene, 1-methyl-	13.41	4.4	ng	842019	5	14.18	3846250	20.0