LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

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-BF040319.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	5.292	541	545	568	rBV	946081	1336101	28.85%	3.247%
2	6.328	718	721	739	rBV	1062994	1491373	32.20%	3.624%
3	6.451	739	742	749	rVB	1542081	1430786	30.90%	3.477%
4	6.675	777	780	789	rBV	843162	771293	16.65%	1.874%
5	6.833	803	807	815	rBV	1170414	1102543	23.81%	2.679%
6	7.245	873	877	887	rBV	680043	827134	17.86%	2.010%
7	7.957	993	998	1005	rBV	961224	1032521	22.30%	2.509%
8	8.557	1097	1100	1103	rBV2	67088	60355	1.30%	0.147%
9	8.780	1132	1138	1143	rBV3	57473	91373	1.97%	0.222%
10	8.986	1170	1173	1177	rVB2	60454	54658	1.18%	0.133%
11	9.033	1177	1181	1190	rBV	1857008	1598088	34.51%	3.884%
12	9.122	1191	1196	1200	rBV2	117197	132631	2.86%	0.322%
13	9.304	1223	1227	1230	rBV4	45551	52264	1.13%	0.127%
14	9.374	1236	1239	1241	rBV	83419	86459	1.87%	0.210%
15	9.433	1246	1249	1252	rVV2	184760	218723	4.72%	0.532%
16	9.492	1256	1259	1263	rVB4	60725	70882	1.53%	0.172%
17	9.569	1270	1272	1278	rBV	135153	152329	3.29%	0.370%
18	9.645	1283	1285	1289	rBV	162905	144771	3.13%	0.352%
19	9.710	1289	1296	1299	rBV	1101966	1072548	23.16%	2.607%
20	9.739	1299	1301	1305	rVB	104528	96297	2.08%	0.234%
21	9.816	1311	1314	1318	rVB	48752	54543	1.18%	0.133%
22	9.886	1320	1326	1328	rBV7	37976	82996	1.79%	0.202%
23	9.916	1328	1331	1335	rVV2	91707	109602	2.37%	0.266%
24	9.957	1335	1338	1344	rVB3	67365	98170	2.12%	0.239%
25	10.027	1347	1350	1353	rBV	89350	104797	2.26%	0.255%
26	10.116	1362	1365	1367	rBV2	47441	54043	1.17%	0.131%
27	10.145	1367	1370	1372	rVV	218246	184679	3.99%	0.449%
28	10.204	1376	1380	1383	rVV4	36293	53256	1.15%	0.129%
29	10.257	1385	1389	1394	rVB	188009	229765	4.96%	0.558%
30	10.369	1405	1408	1412	rVB	114077	113850	2.46%	0.277%
31	10.416	1413	1416	1419	rVB2	69133	73093	1.58%	0.178%
32	10.498	1424	1430	1441	rVB	881939	964545	20.83%	2.344%
33	10.616	1447	1450	1457	rBV2	275184	354435	7.65%	0.861%
34	10.804	1478	1482	1484	rBV2	116177	145068	3.13%	0.353%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.833	1484	1487	1492	rVV2	97415	125882	2.72%	0.306%
36	10.886	1492	1496	1499	rVB3	55909	64274	1.39%	0.156%
37	11.063	1523	1526	1528	rVV	193079	143343	3.10%	0.348%
38	11.092	1528	1531	1537	rVB2	215740	237424	5.13%	0.577%
39	11.192	1544	1548	1550	rBV	928422	942084	20.34%	2.289%
40	11.216	1550	1552	1558	rVV	1059471	926241	20.00%	2.251%
41	11.268	1558	1561	1564	rVV	239840	214382	4.63%	0.521%
42	11.304	1564	1567	1570	rVV2	67027	75106	1.62%	0.183%
43	11.439	1585	1590	1593	rBV3	59362	103867	2.24%	0.252%
44	11.486	1595	1598	1600	rVB2	199503	142356	3.07%	0.346%
45	11.521	1600	1604	1610	rVB	136810	190768	4.12%	0.464%
46	11.586	1612	1615	1618	rBV	1450555	1183346	25.55%	2.876%
47	11.692	1630	1633	1635	rBV	382281	319394	6.90%	0.776%
48	11.721	1635	1638	1643	rVB2	577417	554032	11.96%	1.346%
49	11.768	1643	1646	1649	rBV	135253	118979	2.57%	0.289%
50	11.804	1649	1652	1654	rVV	467250	483532	10.44%	1.175%
51	11.827	1654	1656	1661	rVB	278363	245224	5.30%	0.596%
52	11.892	1664	1667	1671	rVB	165708	125690	2.71%	0.305%
53	11.927	1671	1673	1676	rVB	73578	58241	1.26%	0.142%
54	11.986	1680	1683	1685	rBV	160618	145831	3.15%	0.354%
55	12.116	1703	1705	1706	rBV	63939	48632	1.05%	0.118%
56	12.133	1706	1708	1711	rVB	99982	75737	1.64%	0.184%
57	12.168	1711	1714	1716	rBV	171757	144694	3.12%	0.352%
58	12.192	1716	1718	1722	rVB	103963	89549	1.93%	0.218%
59	12.239	1723	1726	1728	rBV	410868	373687	8.07%	0.908%
60	12.274	1728	1732	1733	rVV	3173175	3352741	72.40%	8.148%
61	12.298	1733	1736	1742	rVV	4446393	4631049	100.00%	11.254%
62	12.374	1746	1749	1751	rBV	721260	566313	12.23%	1.376%
63	12.404	1751	1754	1757	rVV	972539	825055	17.82%	2.005%
64	12.433	1757	1759	1763	rVB2	149109	170868	3.69%	0.415%
65	12.504	1768	1771	1777	rVB4	99719	148429	3.21%	0.361%
66	12.557	1777	1780	1783	rBV2	102513	126905	2.74%	0.308%
67	12.627	1786	1792	1795	rBV	1071801	1273651	27.50%	3.095%
68	12.692	1800	1803	1806	rVB2	157331	163582	3.53%	0.398%
69	12.768	1813	1816	1819	rBV	1455420	1191578	25.73%	2.896%
70	12.851	1826	1830	1837	rBV4	189284	364375	7.87%	0.886%
71	12.904	1837	1839	1841	rVV	86370	69164	1.49%	0.168%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.933	1841	1844	1846	rVV3	199700	252525	5.45%	0.614%
73	12.957	1846	1848	1853	rVV	291743	332763	7.19%	0.809%
74	13.004	1853	1856	1857	rVV	173846	148303	3.20%	0.360%
75	13.021	1857	1859	1863	rVV	296635	287017	6.20%	0.698%
76	13.063	1863	1866	1870	rVV	272630	271731	5.87%	0.660%
77	13.098	1870	1872	1874	rVB2	136497	103778	2.24%	0.252%
78	13.157	1879	1882	1884	rVB	198146	171795	3.71%	0.417%
79	13.186	1884	1887	1890	rBV	238655	217903	4.71%	0.530%
80	13.345	1912	1914	1916	rBV	79070	56857	1.23%	0.138%
81	13.527	1943	1945	1949	rVB	72103	54291	1.17%	0.132%
82	13.580	1949	1954	1956	rBV2	145468	246073	5.31%	0.598%
83	13.674	1968	1970	1974	rVB2	102719	111070	2.40%	0.270%
84	13.762	1983	1985	1988	rVB2	118850	111010	2.40%	0.270%
85	13.827	1991	1996	1998	rBV2	1157138	1452031	31.35%	3.529%
86	13.851	1998	2000	2003	rVB	486008	422091	9.11%	1.026%
87	13.986	2020	2023	2028	rBV3	197214	222746	4.81%	0.541%
88	14.215	2060	2062	2065	rVB2	192996	141634	3.06%	0.344%
89	14.292	2072	2075	2077	rBV2	196601	184716	3.99%	0.449%
90	14.586	2122	2125	2128	rBV2	188828	176494	3.81%	0.429%
91	14.839	2165	2168	2171	rBV	235976	309769	6.69%	0.753%
92	14.892	2175	2177	2183	rVB2	214410	228680	4.94%	0.556%
93	15.121	2213	2216	2222	rVB	187243	191990	4.15%	0.467%
94	15.180	2223	2226	2230	rVB	244087	286165	6.18%	0.695%
95	15.239	2232	2236	2239	rBV	611737	705527	15.23%	1.715%

Sum of corrected areas: 41148935

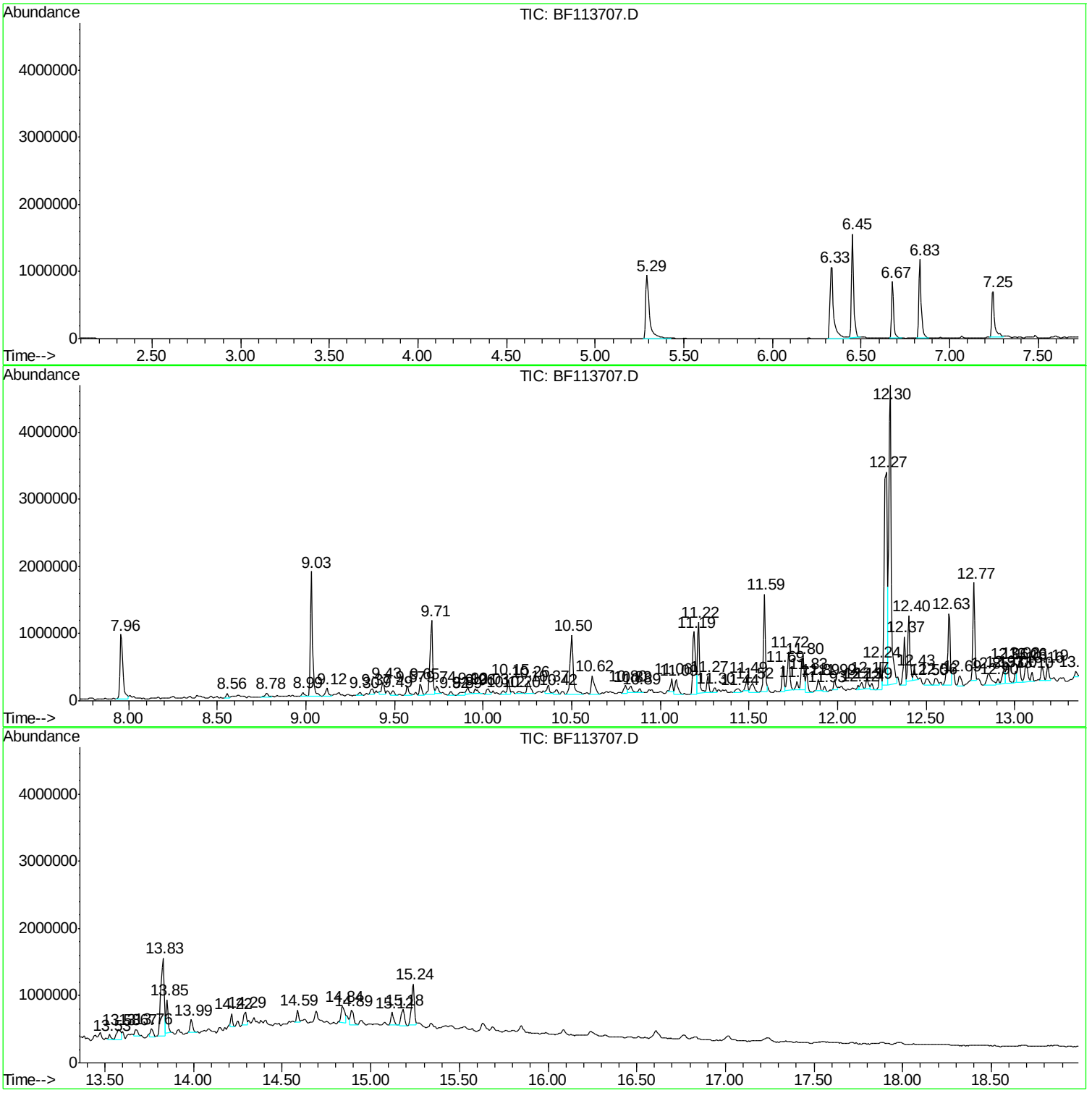
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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\BF041019\
Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

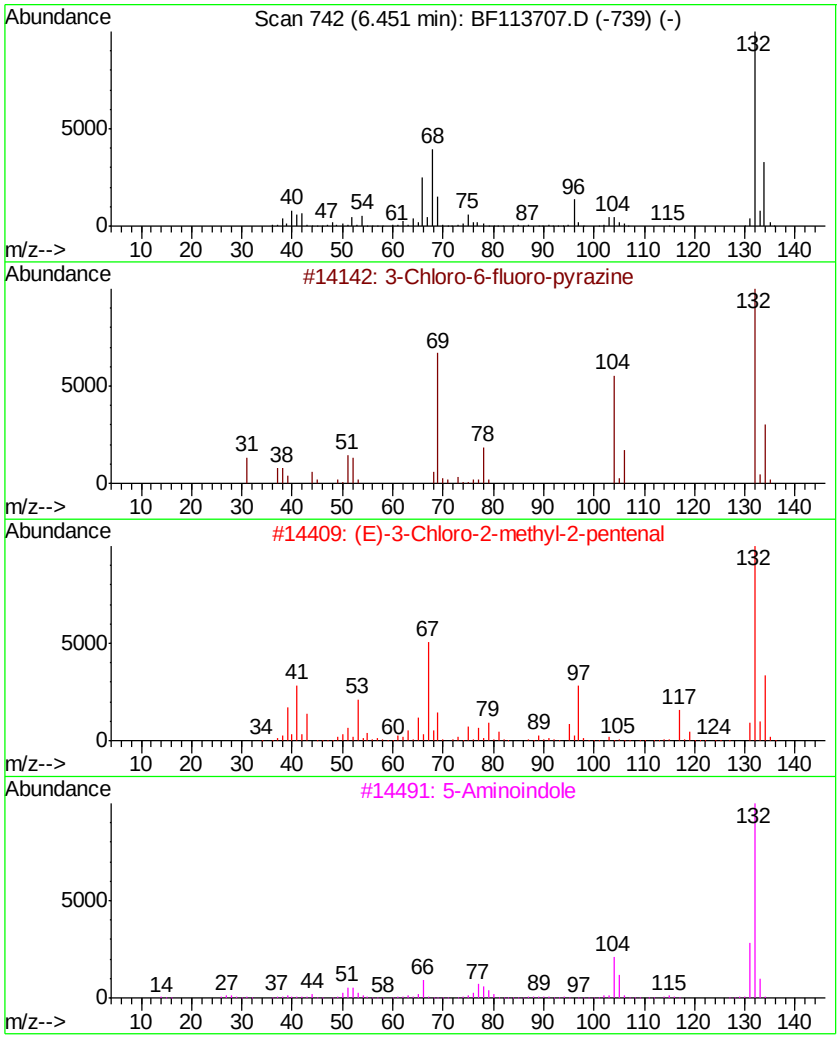
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

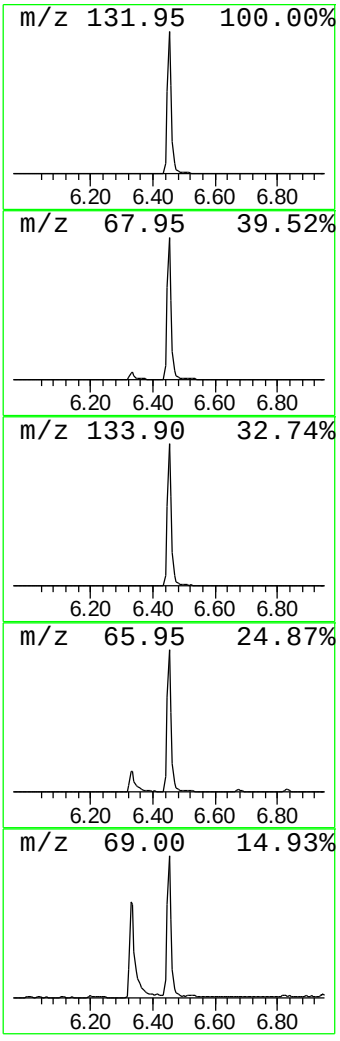
****

Peak Number 1 unknown6.45 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	37.10 ng	1430790	1,4-Dichlorobenzene-d4	6.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

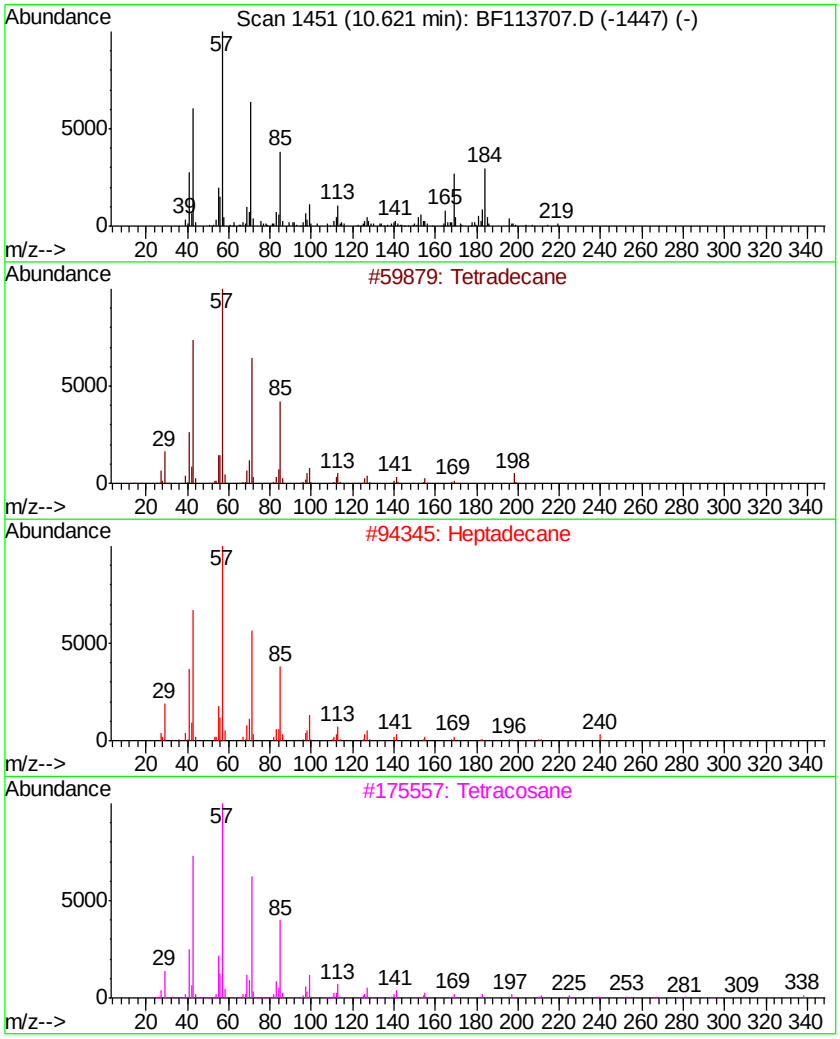
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

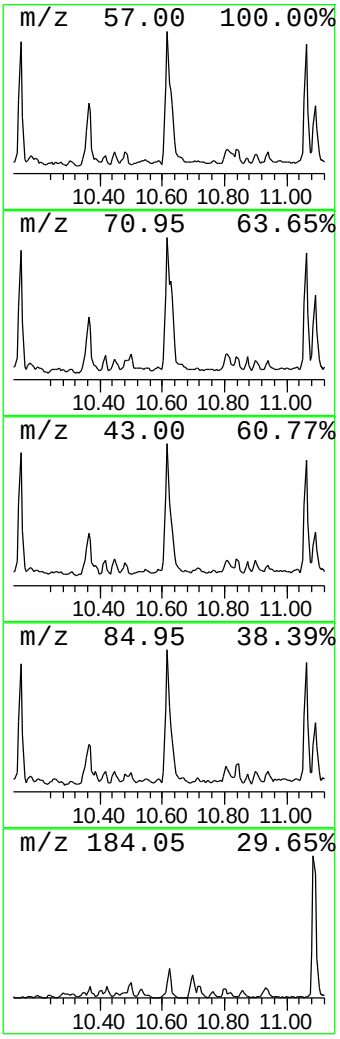
****

Peak Number 3 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	7.52 ng	354435	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	94
2	Heptadecane	240	C17H36	000629-78-7	94
3	Tetracosane	338	C24H50	000646-31-1	80
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80
5	Pentadecane	212	C15H32	000629-62-9	80





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Misc :
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Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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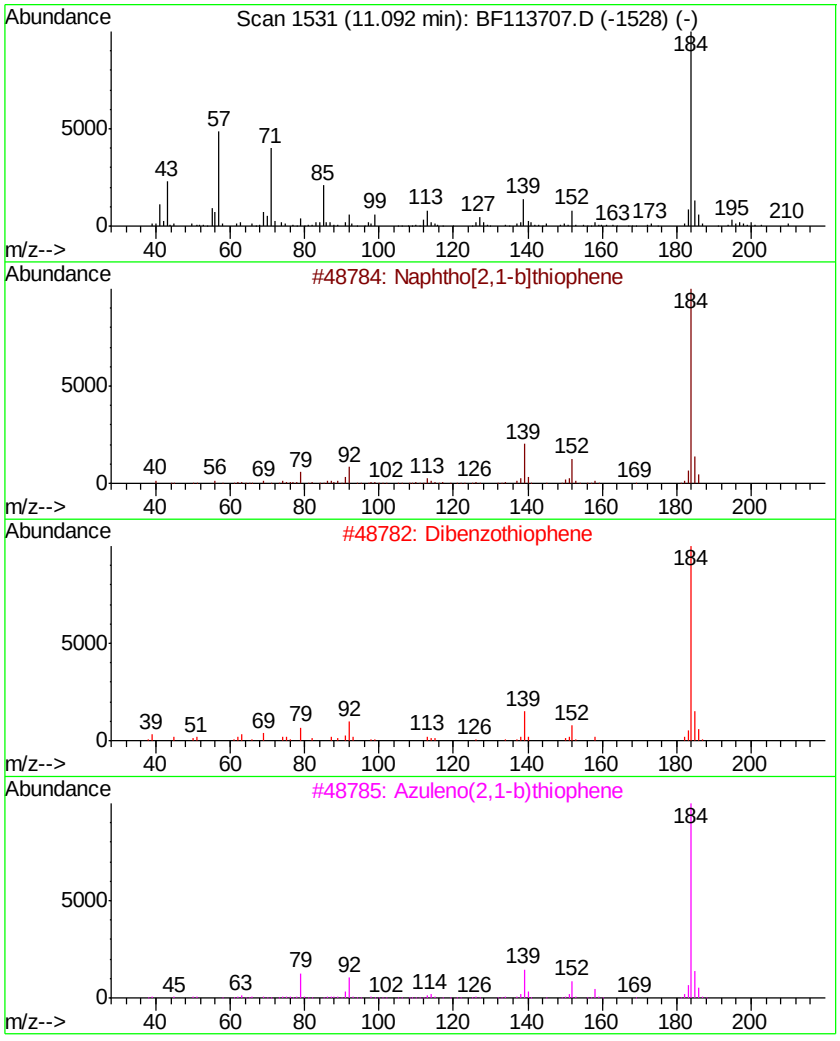
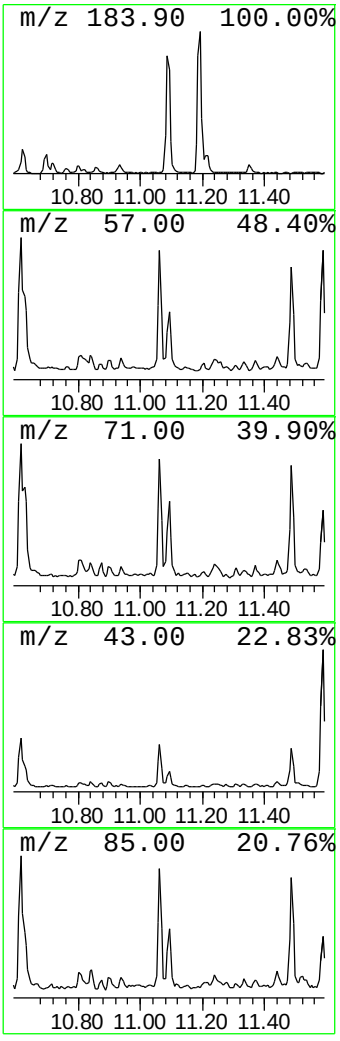
Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	5.04 ng	237424	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	60
2	Dibenzothiophene	184	C12H8S	000132-65-0	60
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	53
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	53
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	53





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Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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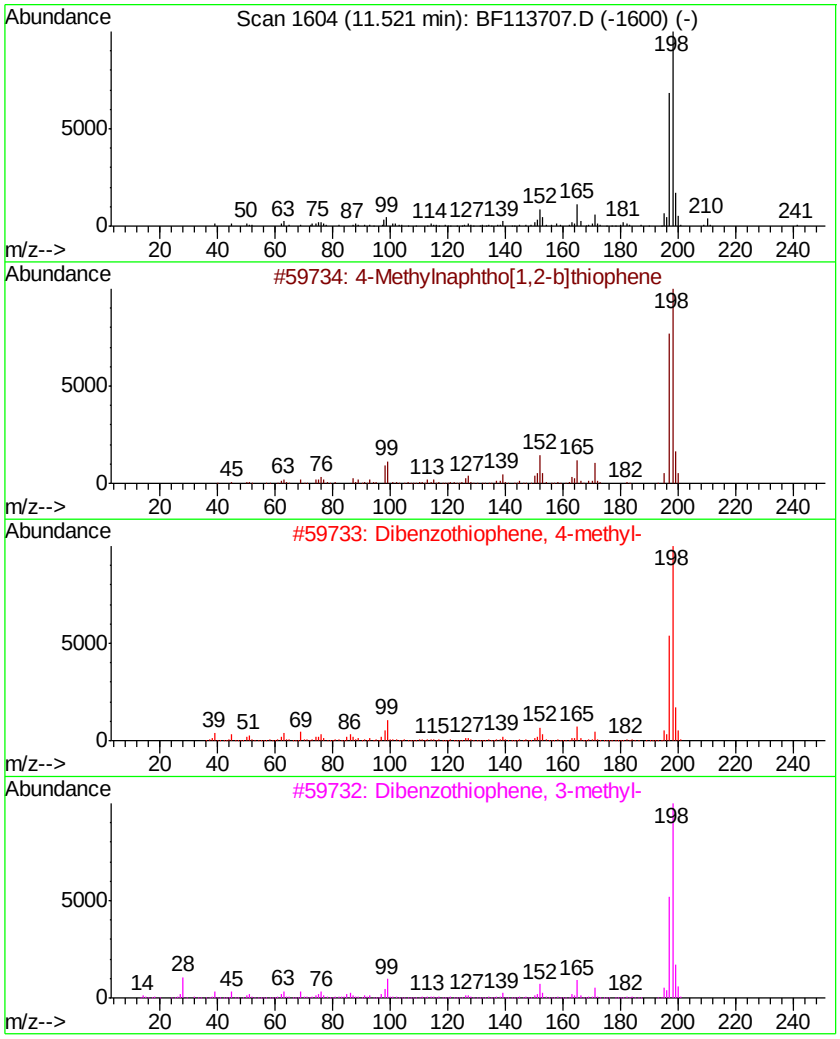
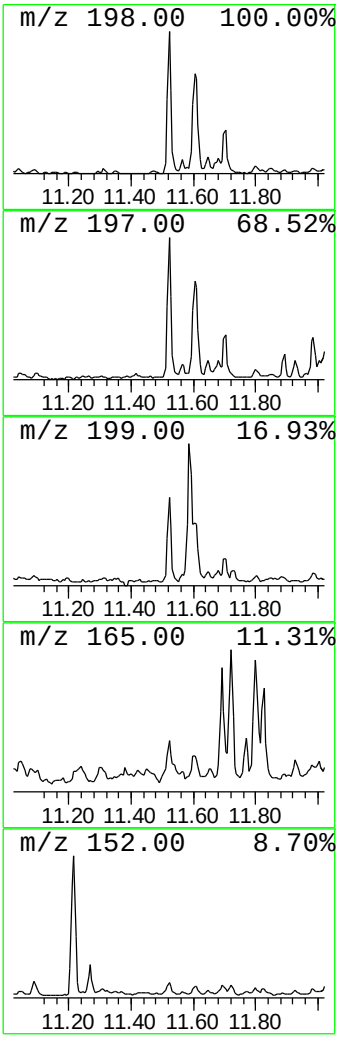
Peak Number 5 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	4.05 ng	190768	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
5	Tacrine	198	C13H14N2	000321-64-2	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

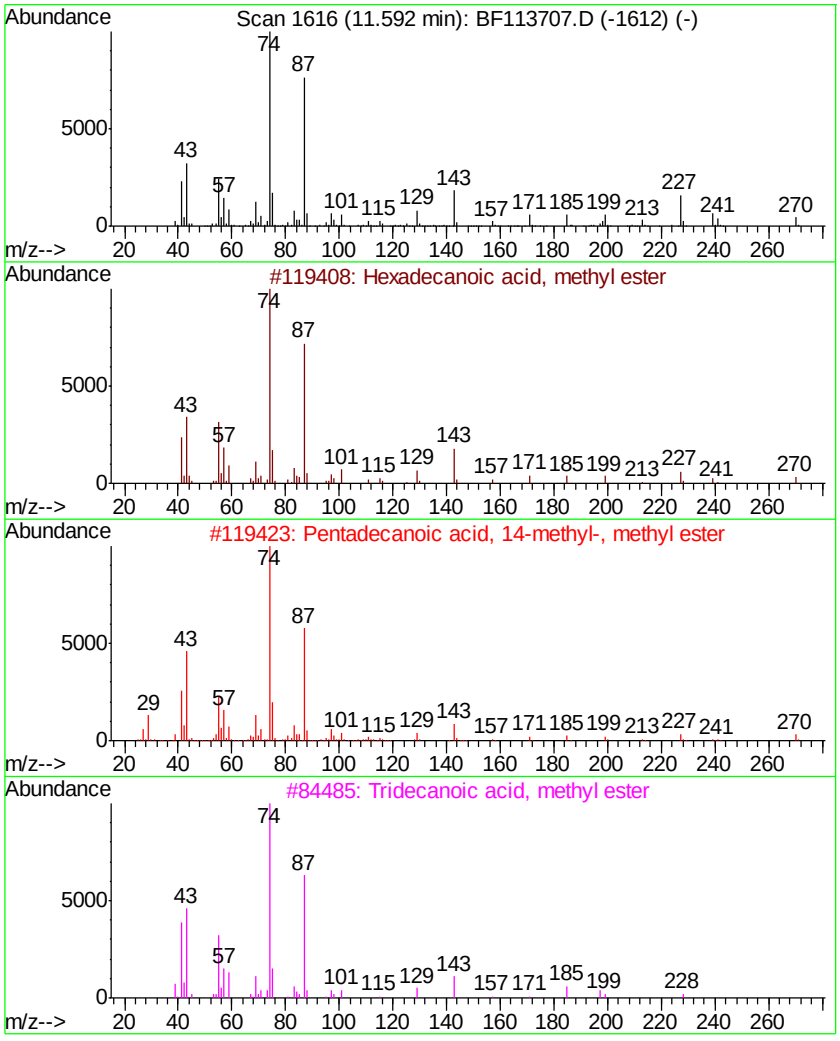
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

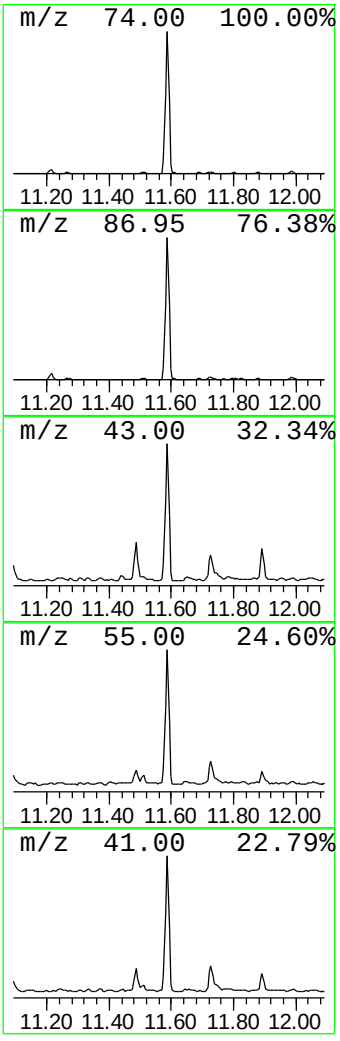
****

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	25.12 ng	1183350	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





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Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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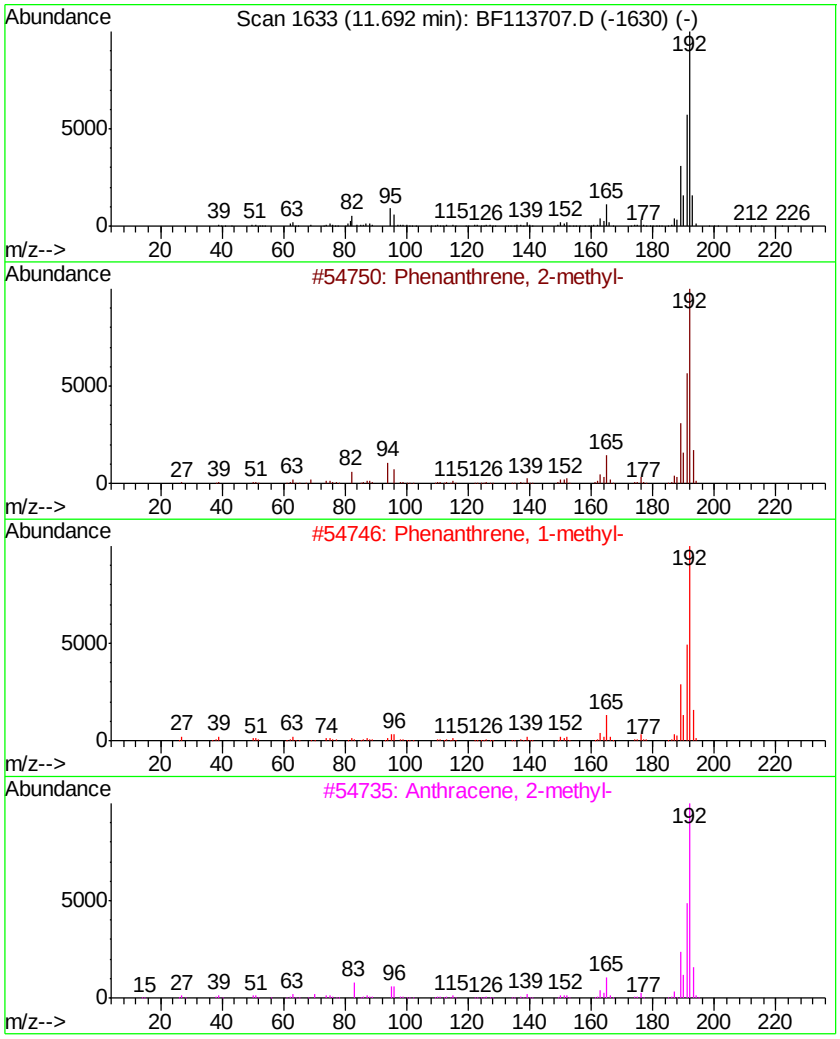
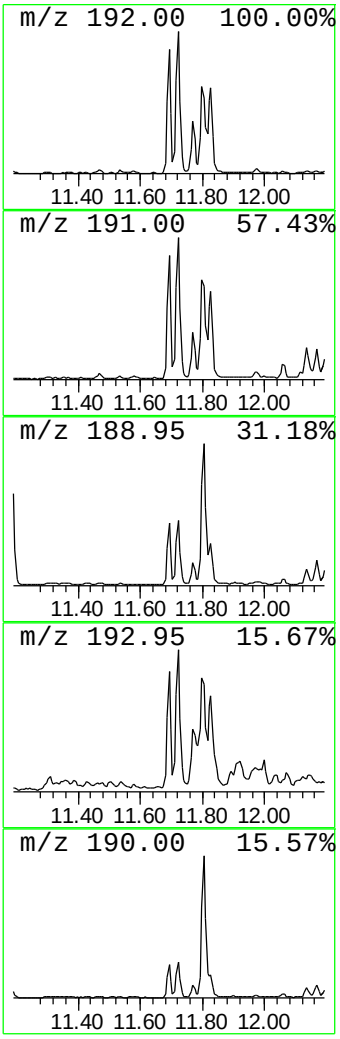
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	6.78 ng	319394	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Library Search Compound Report

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Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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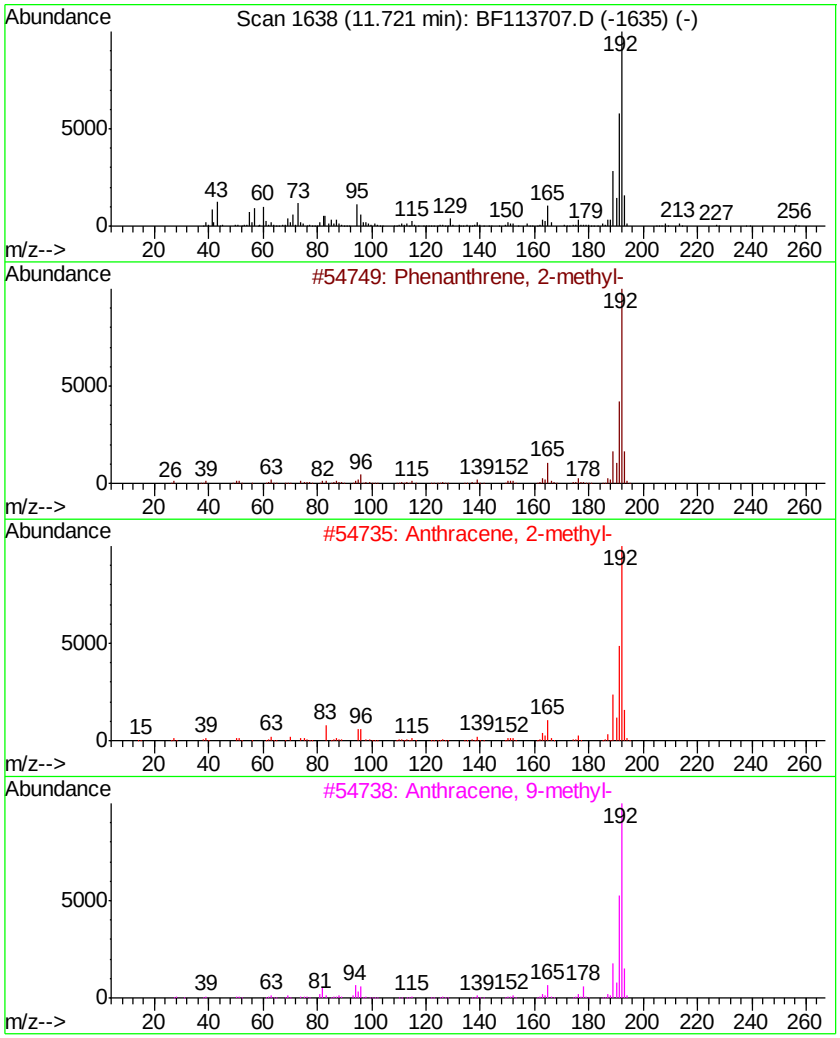
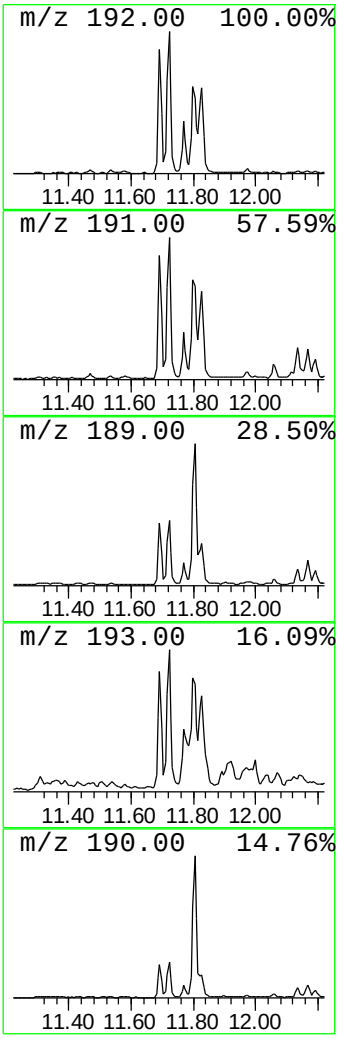
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	11.76 ng	554032	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81





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Sample : K2200-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : EO-01-040919-B

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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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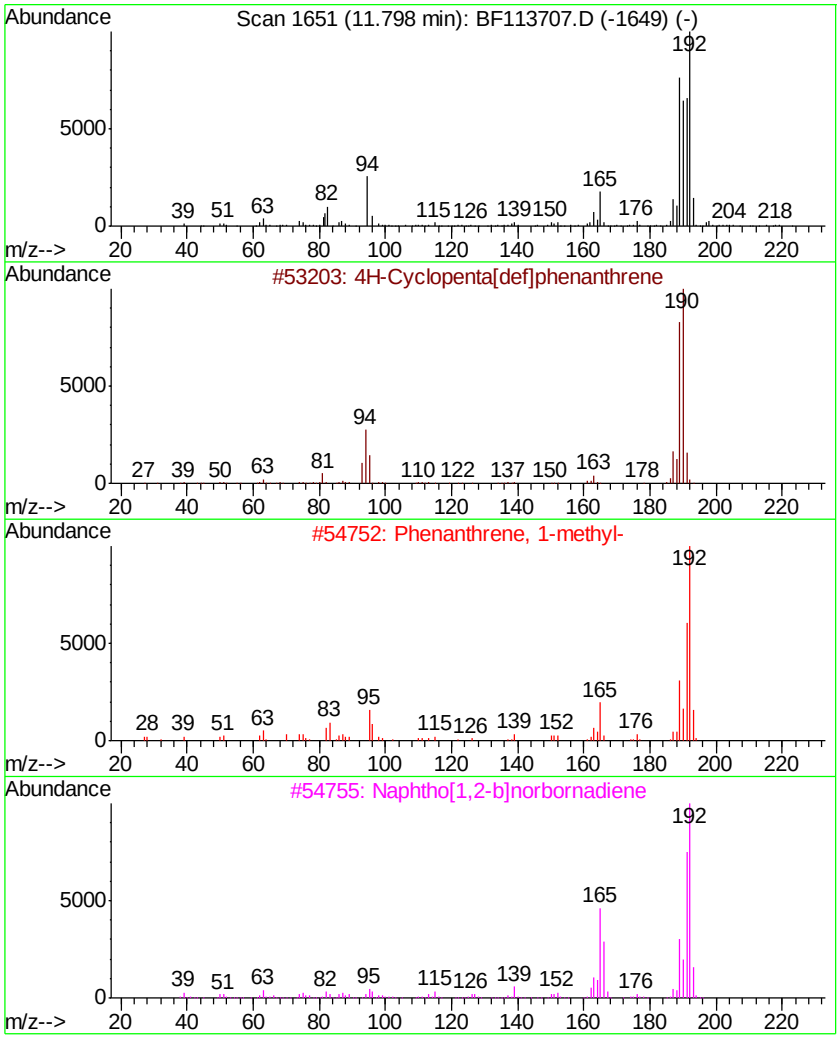
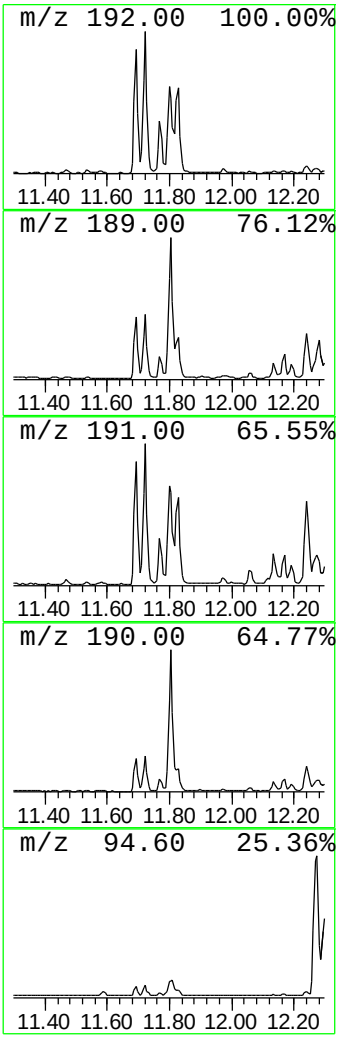
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	10.27 ng	483532	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42





Library Search Compound Report

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Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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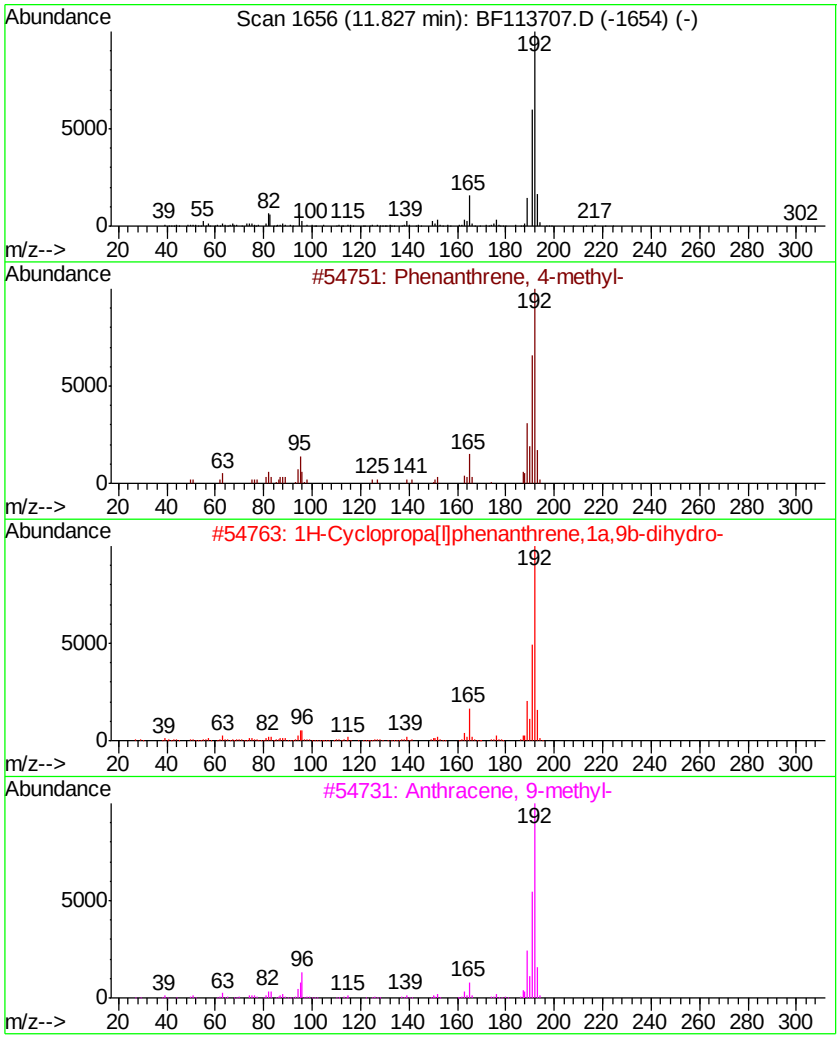
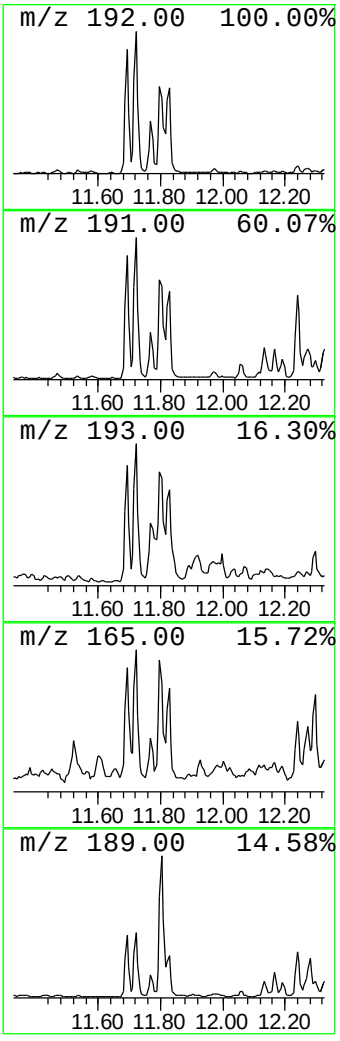
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.21 ng	245224	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

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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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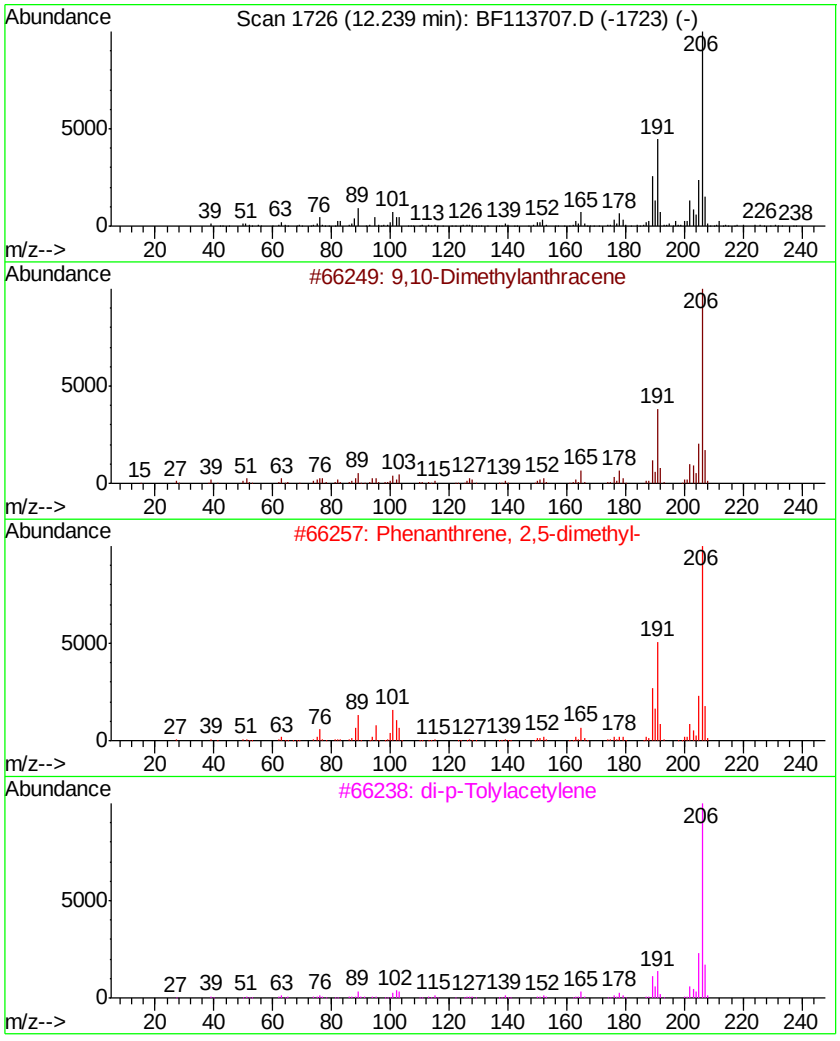
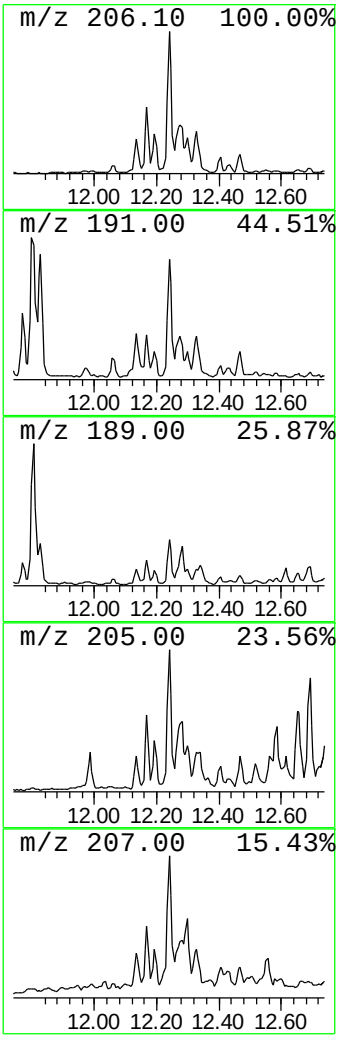
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	7.93 ng	373687	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

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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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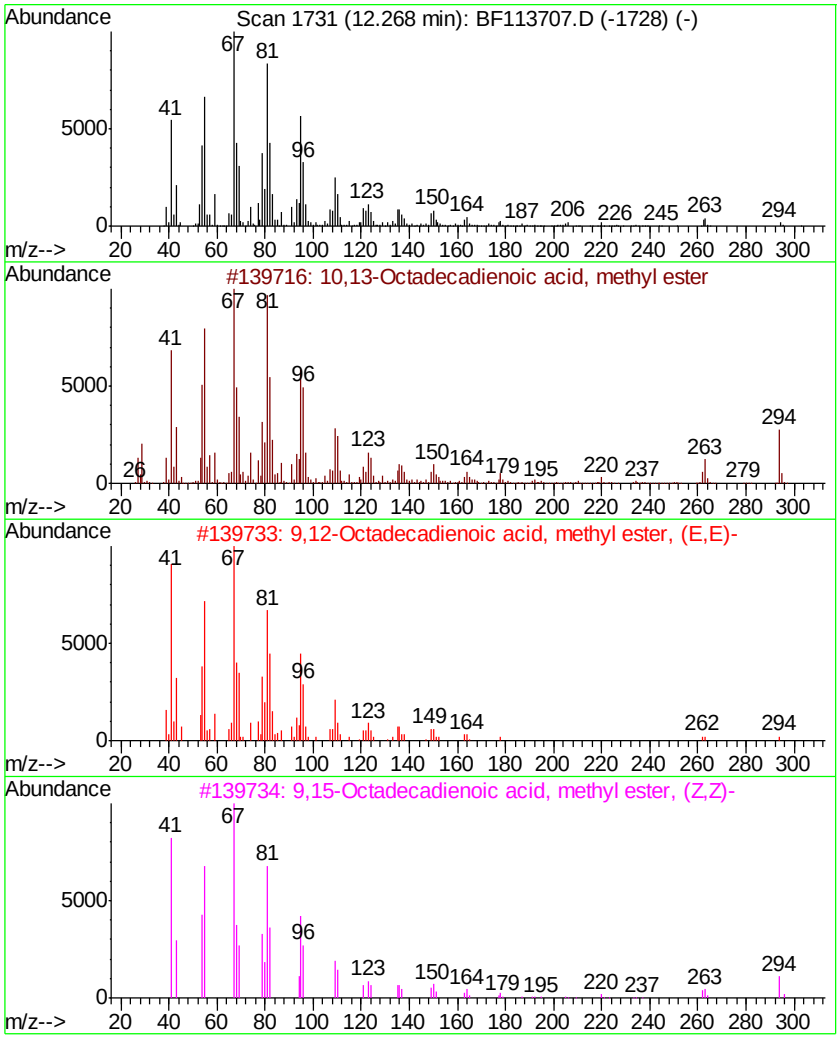
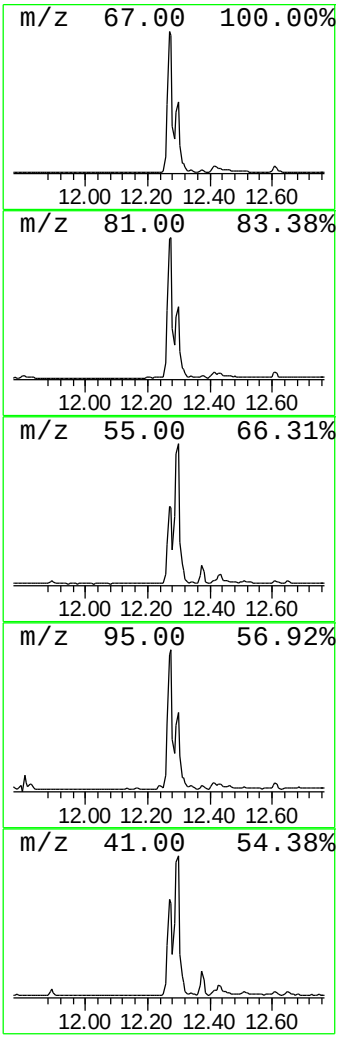
Peak Number 12 10,13-Octadecadienoic acid,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	71.18 ng	3352740	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99





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Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

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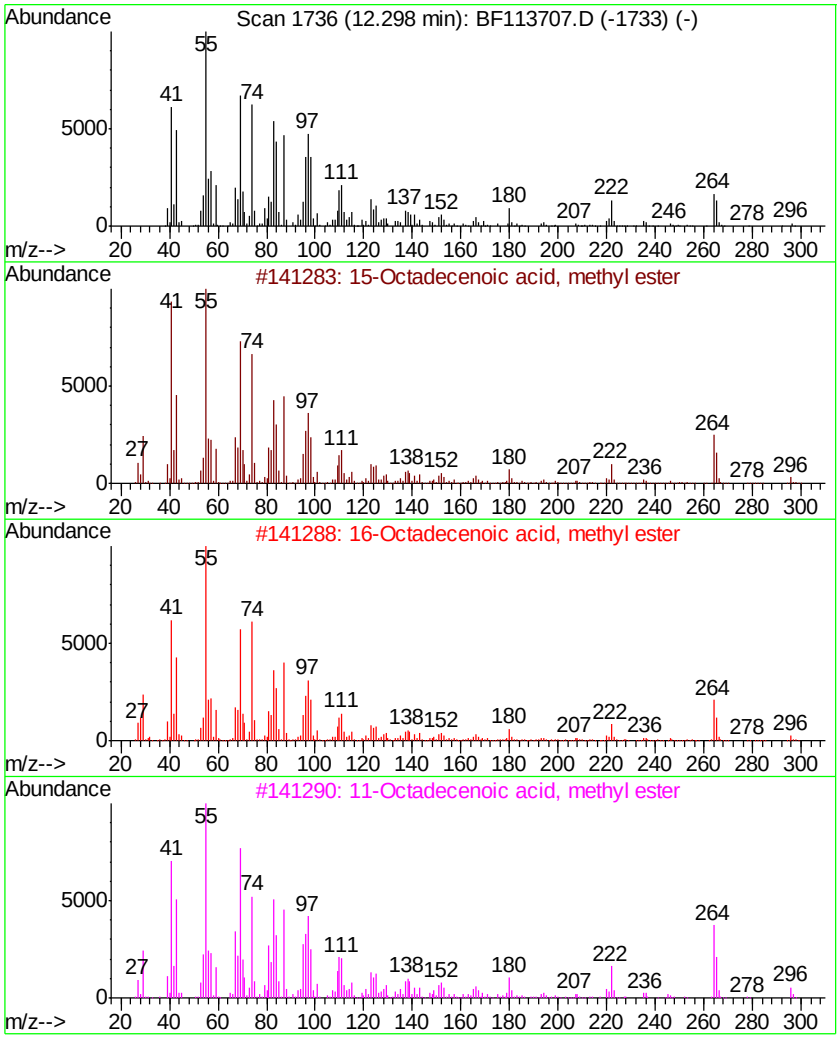
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

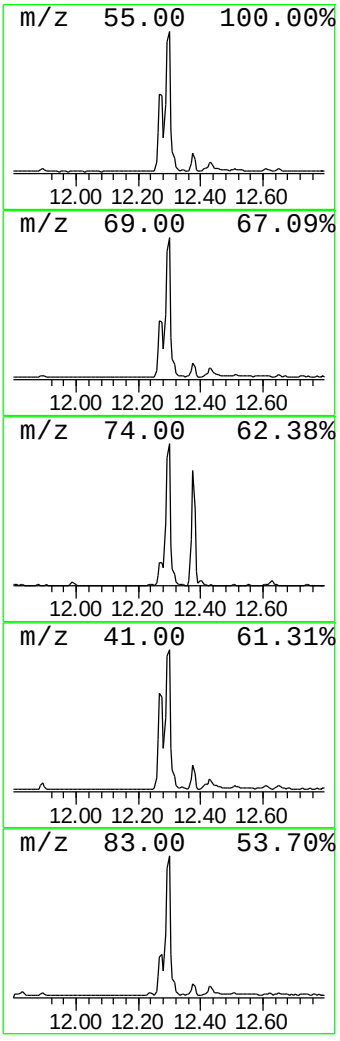
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 15-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	98.32 ng	4631050	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	95
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	95
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	94
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	94
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	94





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ClientSampleId : EO-01-040919-B

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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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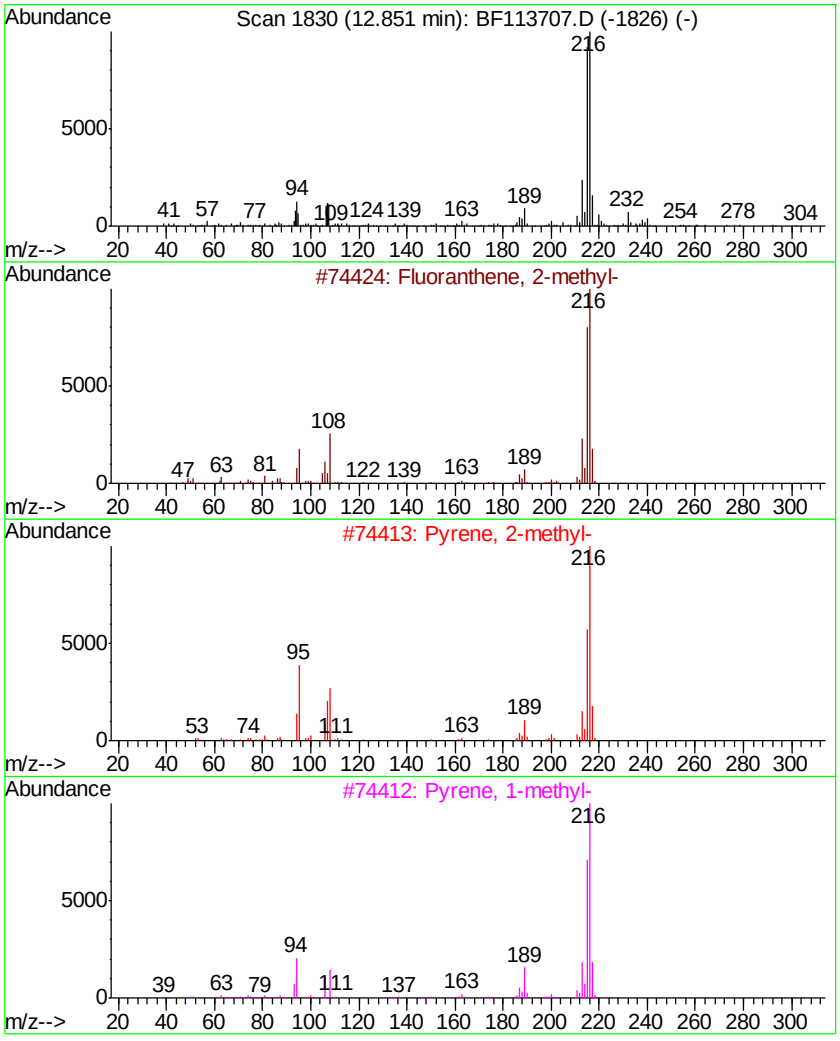
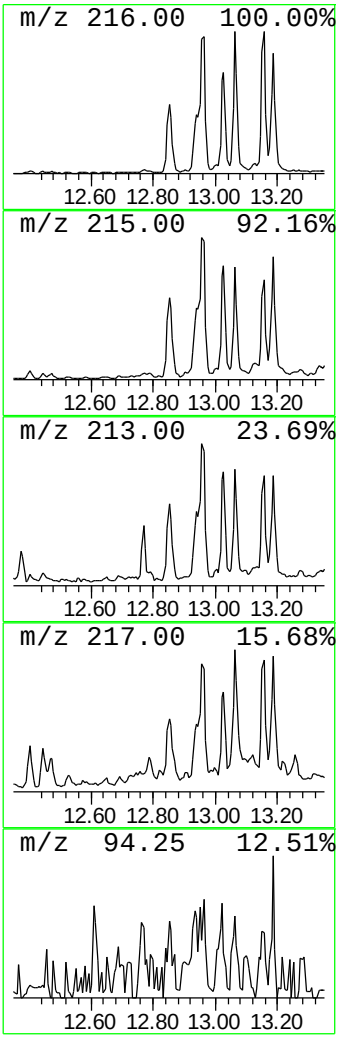
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	5.02 ng	364375	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





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Instrument : BNA_F
ClientSampleId : EO-01-040919-B

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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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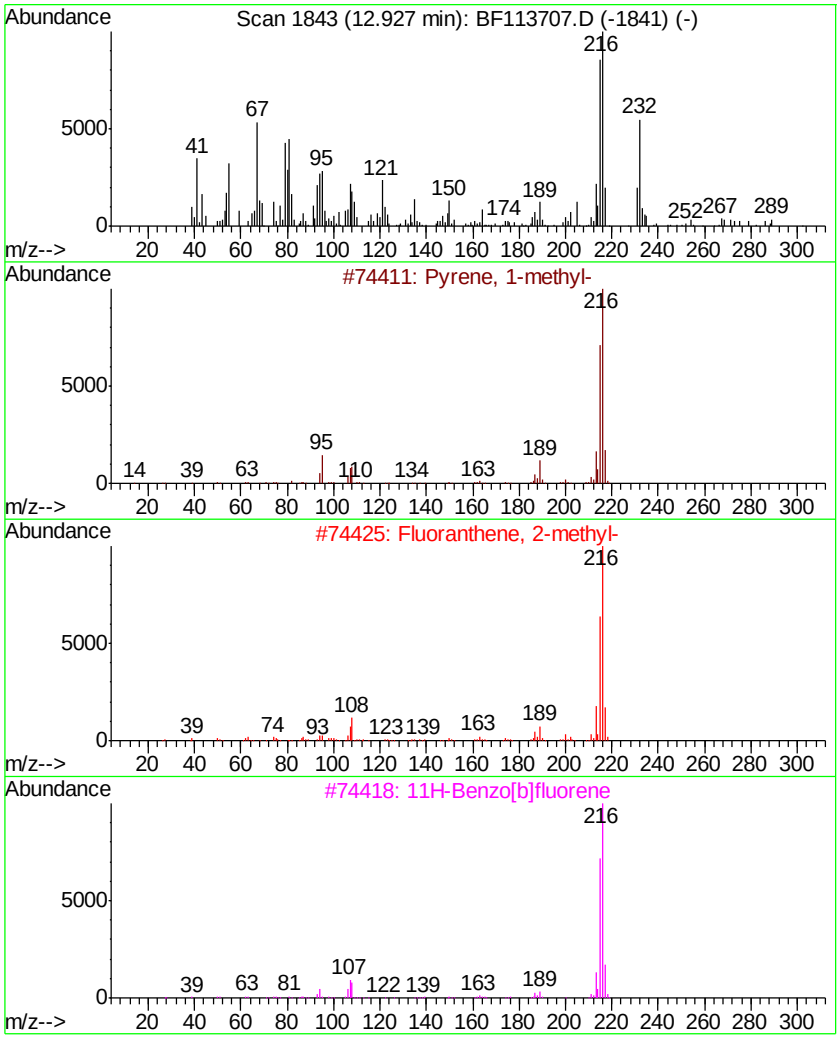
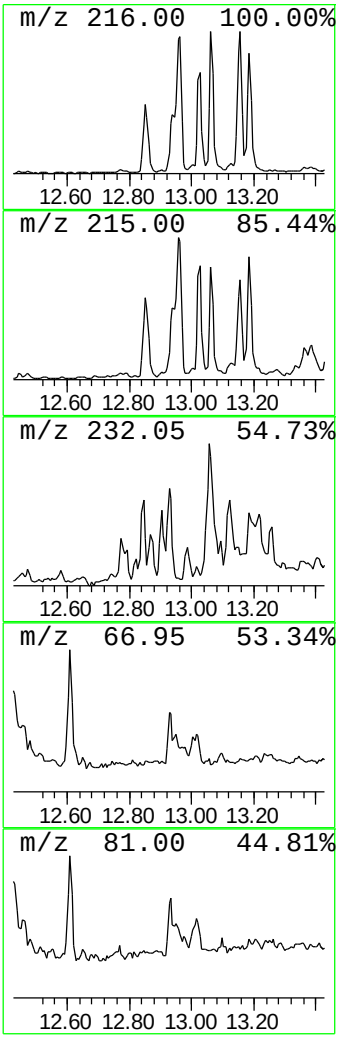
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	3.48 ng	252525	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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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

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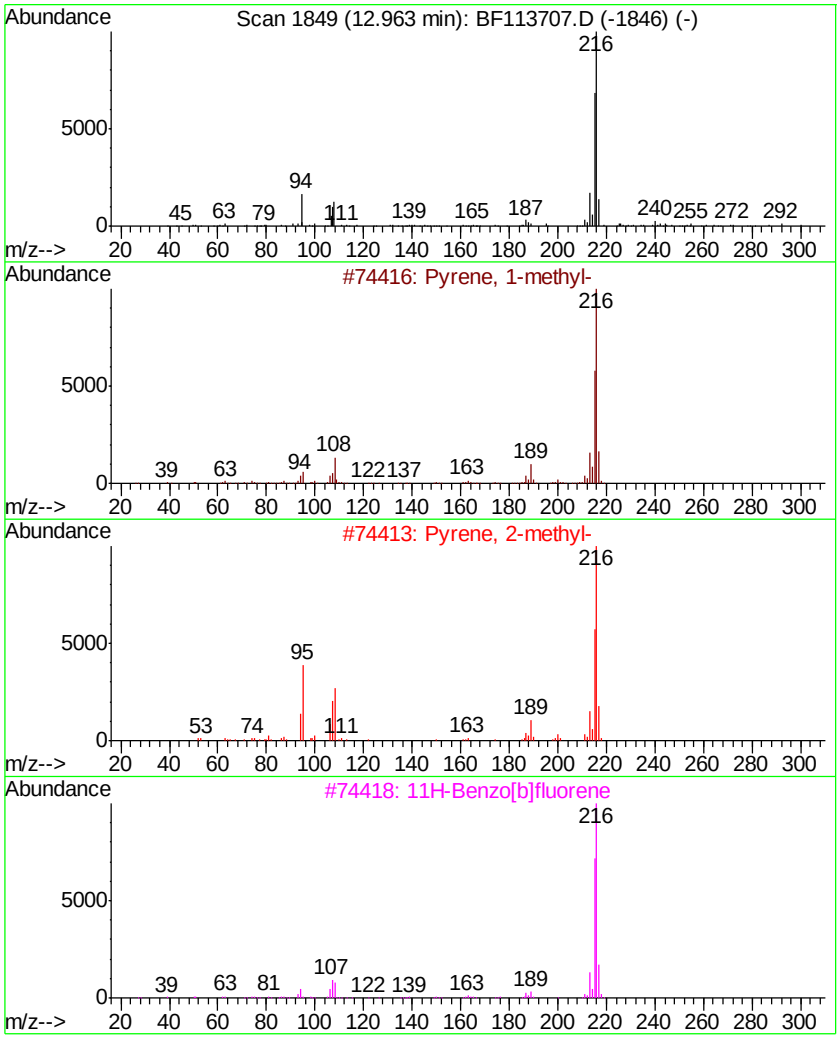
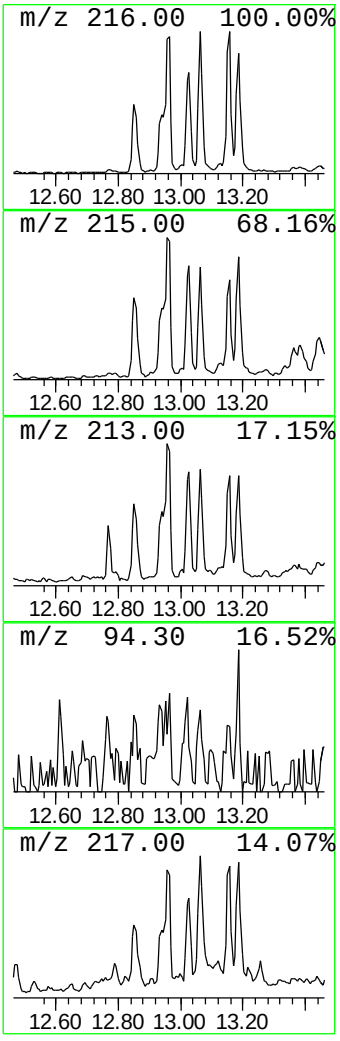
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.58 ng	332763	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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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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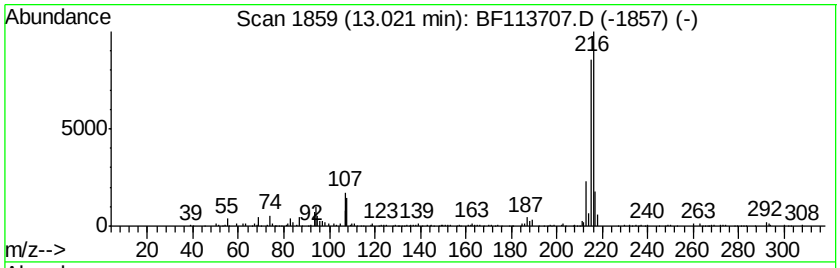
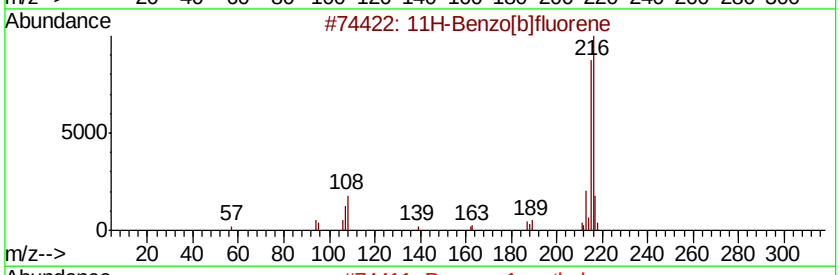
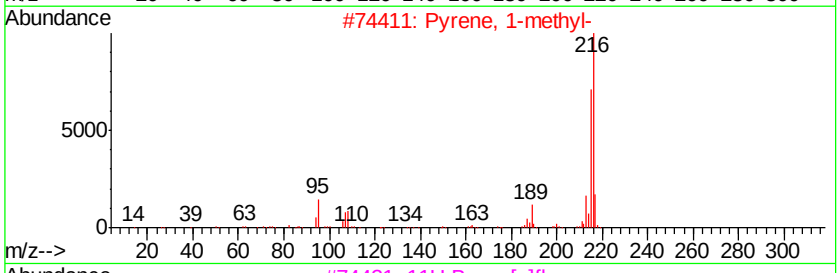
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

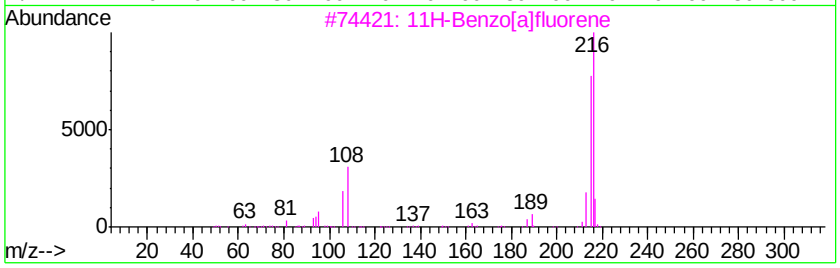
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.95 ng	287017	Chrysene-d12	13.83

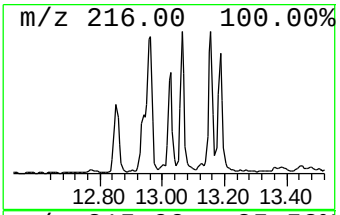
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64

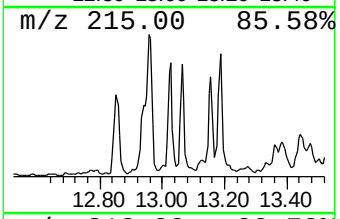


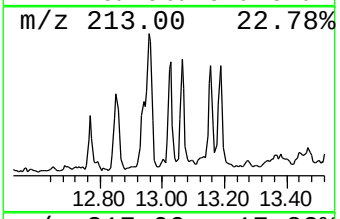


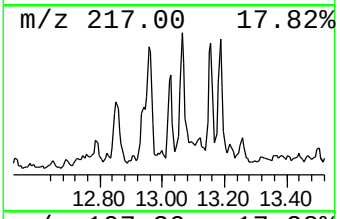


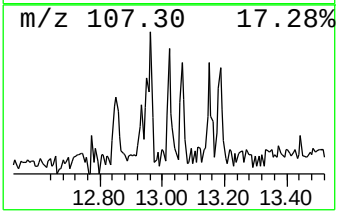












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Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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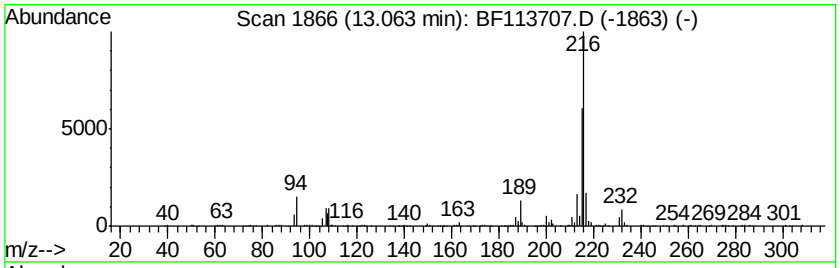
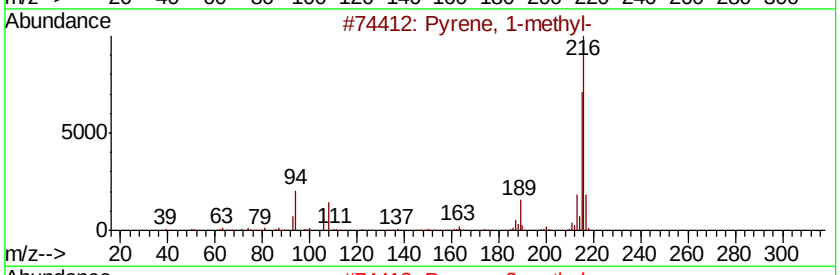
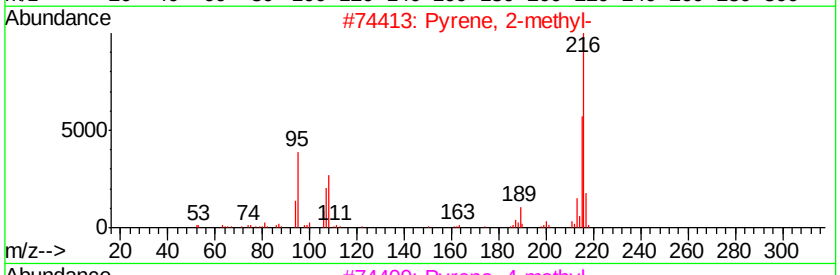
Peak Number 18 Pyrene, 4-methyl- Concentration Rank 19

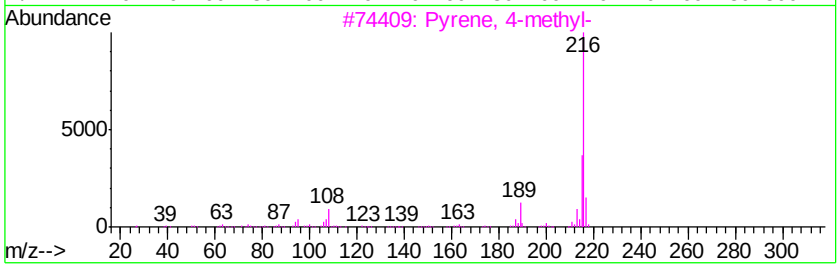
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	3.74 ng	271731	Chrysene-d12	13.83

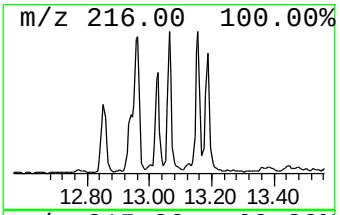
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90

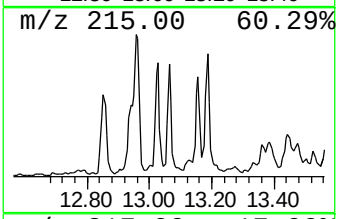


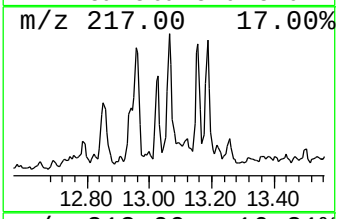


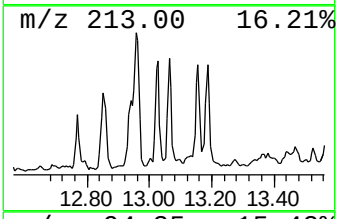


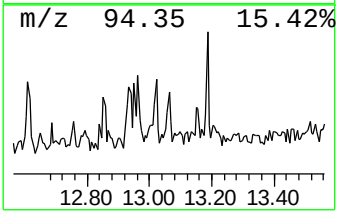












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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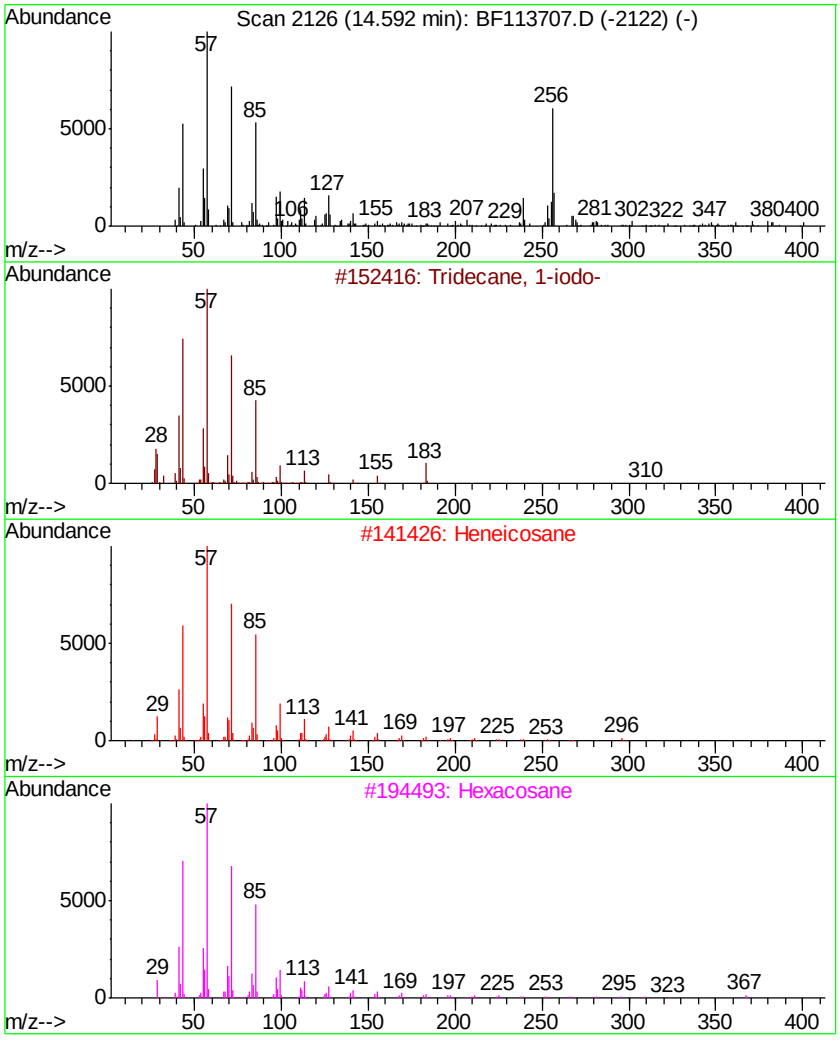
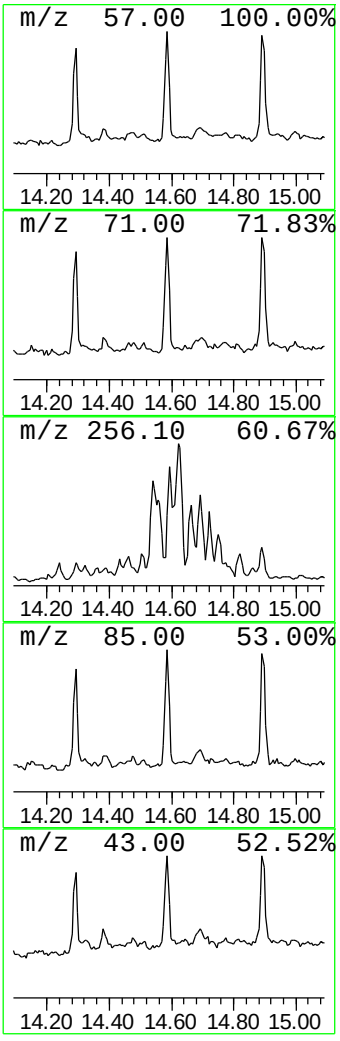
Peak Number 19 Tridecane, 1-iodo- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	5.00 ng	176494	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Hexacosane	366	C26H54	000630-01-3	90
4	Tetracosane	338	C24H50	000646-31-1	87
5	Eicosane	282	C20H42	000112-95-8	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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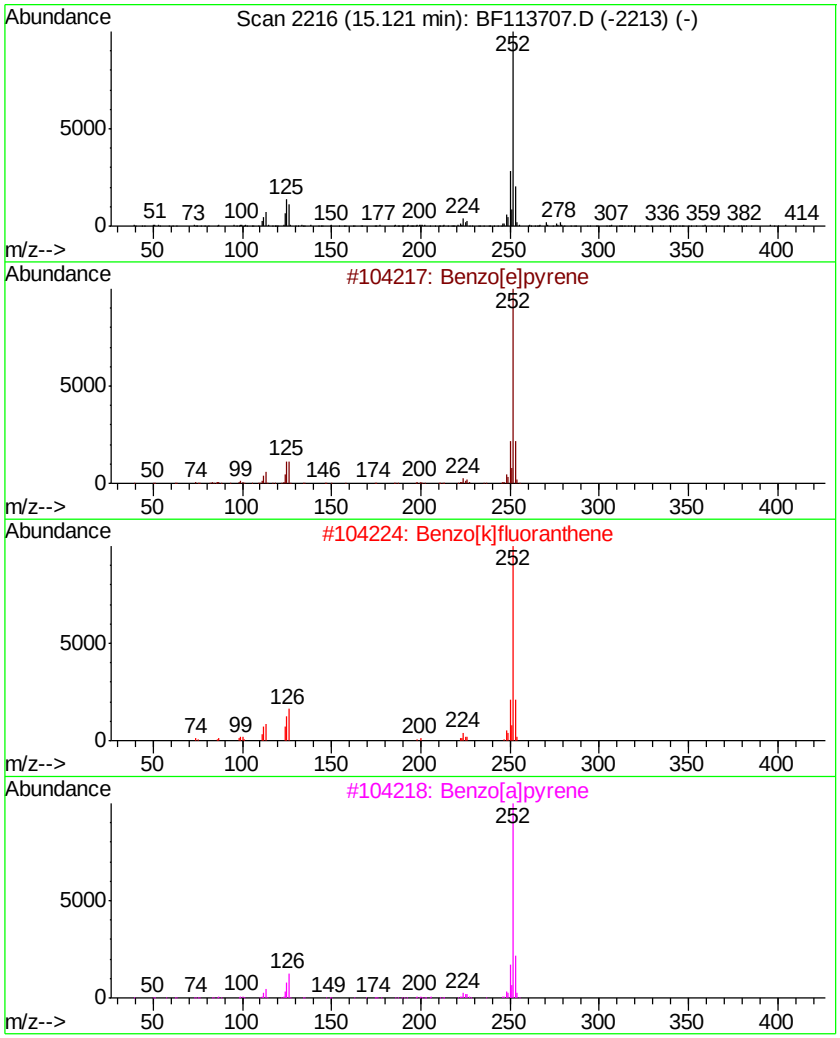
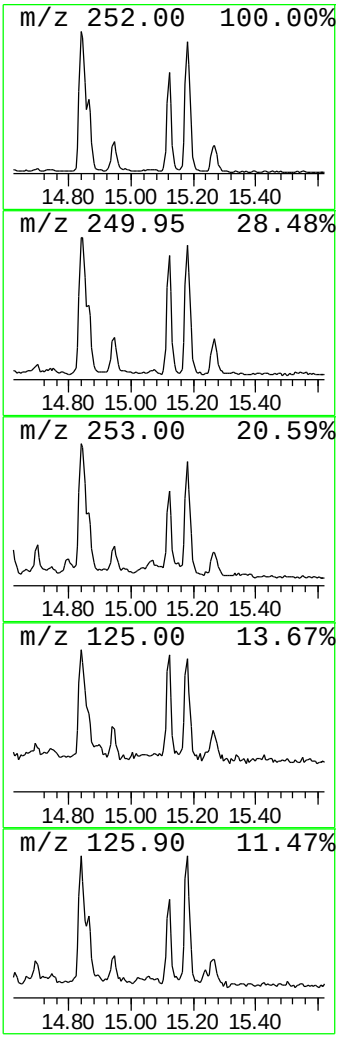
Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	5.44 ng	191990	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041019\
Data File : BF113707.D
Acq On : 10 Apr 2019 20:23
Operator : JU/SJ
Sample : K2200-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-040919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	37.1	ng	1430790	1	6.67	771293	20.0
Tetradecane	10.62	7.5	ng	354435	4	11.19	942084	20.0
Naphtho[2,1-b]thi...	11.09	5.0	ng	237424	4	11.19	942084	20.0
4-Methylnaphtho[1...	11.52	4.0	ng	190768	4	11.19	942084	20.0
Hexadecanoic acid...	11.59	25.1	ng	1183350	4	11.19	942084	20.0
Phenanthrene, 2-m...	11.69	6.8	ng	319394	4	11.19	942084	20.0
Anthracene, 2-met...	11.72	11.8	ng	554032	4	11.19	942084	20.0
4H-Cyclopenta[def...	11.80	10.3	ng	483532	4	11.19	942084	20.0
Phenanthrene, 4-m...	11.83	5.2	ng	245224	4	11.19	942084	20.0
9,10-Dimethylanth...	12.24	7.9	ng	373687	4	11.19	942084	20.0
10,13-Octadecadie...	12.27	71.2	ng	3352740	4	11.19	942084	20.0
15-Octadecenoic a...	12.30	98.3	ng	4631050	4	11.19	942084	20.0
Fluoranthene, 2-m...	12.85	5.0	ng	364375	5	13.83	1452030	20.0
Pyrene, 1-methyl-	12.93	3.5	ng	252525	5	13.83	1452030	20.0
Pyrene, 2-methyl-	12.96	4.6	ng	332763	5	13.83	1452030	20.0
11H-Benzo[b]fluorene	13.02	4.0	ng	287017	5	13.83	1452030	20.0
Pyrene, 4-methyl-	13.06	3.7	ng	271731	5	13.83	1452030	20.0
Tridecane, 1-iodo-	14.59	5.0	ng	176494	6	15.24	705527	20.0
Benzo[e]pyrene	15.12	5.4	ng	191990	6	15.24	705527	20.0