LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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-BF073019.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	5.463	571	574	597	rBV	314495	437762	23.24%	1.419%
2	6.475	743	746	764	rBV	380779	502695	26.68%	1.629%
3	6.616	766	770	779	rBV	519945	514710	27.32%	1.668%
4	6.845	805	809	817	rBV	556563	545320	28.94%	1.767%
5	6.998	832	835	845	rBV	477461	430009	22.82%	1.394%
6	7.404	901	904	915	rBV	223281	288777	15.33%	0.936%
7	8.122	1021	1026	1035	rBV	741926	779512	41.38%	2.526%
8	8.839	1145	1148	1153	rBV	56522	52655	2.79%	0.171%
9	8.933	1161	1164	1172	rBV2	67513	84678	4.49%	0.274%
10	9.192	1205	1208	1214	rBV	635263	599870	31.84%	1.944%
11	9.280	1219	1223	1225	rBV	54985	49714	2.64%	0.161%
12	9.469	1250	1255	1258	rBV2	40465	53139	2.82%	0.172%
13	9.533	1263	1266	1269	rBV	74250	73972	3.93%	0.240%
14	9.598	1273	1277	1279	rBV3	57186	80617	4.28%	0.261%
15	9.657	1284	1287	1292	rVB2	48089	53479	2.84%	0.173%
16	9.739	1297	1301	1305	rBV	208466	199868	10.61%	0.648%
17	9.804	1305	1312	1317	rVB	65965	68632	3.64%	0.222%
18	9.874	1317	1324	1328	rBV	886763	793646	42.13%	2.572%
19	9.910	1328	1330	1334	rVB	86864	71573	3.80%	0.232%
20	10.080	1354	1359	1363	rVV	124609	129642	6.88%	0.420%
21	10.122	1363	1366	1372	rVB3	40303	49333	2.62%	0.160%
22	10.192	1375	1378	1381	rBV2	44231	50150	2.66%	0.163%
23	10.304	1395	1397	1400	rVV	110403	84966	4.51%	0.275%
24	10.422	1414	1417	1423	rVV	284658	297556	15.79%	0.964%
25	10.527	1430	1435	1441	rVV3	43609	71606	3.80%	0.232%
26	10.580	1441	1444	1447	rVV	55898	54429	2.89%	0.176%
27	10.669	1456	1459	1470	rVB	267192	357526	18.98%	1.159%
28	10.774	1475	1477	1486	rVB2	102480	159185	8.45%	0.516%
29	10.974	1506	1511	1513	rBV2	77737	100834	5.35%	0.327%
30	10.998	1513	1515	1519	rVV2	52058	56073	2.98%	0.182%
31	11.057	1522	1525	1528	rVV2	43885	44095	2.34%	0.143%
32	11.098	1528	1532	1534	rVV2	35401	43777	2.32%	0.142%
33	11.121	1534	1536	1542	rVV3	43892	56235	2.98%	0.182%
34	11.174	1542	1545	1548	rVV2	34165	40028	2.12%	0.130%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.227	1548	1554	1556	rVV2	98378	121117	6.43%	0.393%
36	11.257	1556	1559	1565	rVB	147824	159865	8.49%	0.518%
37	11.363	1573	1577	1579	rBV	787121	735419	39.03%	2.383%
38	11.386	1579	1581	1585	rVV	1709329	1377229	73.10%	4.463%
39	11.439	1586	1590	1594	rVV	441178	437579	23.23%	1.418%
40	11.474	1594	1596	1599	rVV3	51747	66022	3.50%	0.214%
41	11.533	1602	1606	1609	rVV2	24466	45487	2.41%	0.147%
42	11.592	1613	1616	1623	rVV	132215	184334	9.78%	0.597%
43	11.651	1623	1626	1628	rVV2	127425	116382	6.18%	0.377%
44	11.692	1632	1633	1639	rVV2	46542	60537	3.21%	0.196%
45	11.751	1639	1643	1646	rVV	613784	486079	25.80%	1.575%
46	11.863	1659	1662	1665	rBV	202938	193358	10.26%	0.627%
47	11.892	1665	1667	1671	rVV	285052	235541	12.50%	0.763%
48	11.939	1672	1675	1678	rVV	97907	96350	5.11%	0.312%
49	11.974	1678	1681	1684	rVV	388190	426873	22.66%	1.383%
50	11.998	1684	1685	1690	rVB	148672	97580	5.18%	0.316%
51	12.057	1690	1695	1700	rBV3	78503	99824	5.30%	0.323%
52	12.157	1709	1712	1715	rVV	138137	123843	6.57%	0.401%
53	12.192	1715	1718	1723	rVB	71109	73956	3.93%	0.240%
54	12.339	1740	1743	1745	rVV	68280	54728	2.90%	0.177%
55	12.433	1756	1759	1761	rVV	1300819	1255285	66.63%	4.068%
56	12.457	1761	1763	1769	rVV	1997768	1753077	93.05%	5.681%
57	12.504	1769	1771	1774	rVV3	100145	105396	5.59%	0.342%
58	12.539	1774	1777	1780	rVB	248909	193501	10.27%	0.627%
59	12.574	1780	1783	1787	rBV	1890728	1734306	92.05%	5.620%
60	12.639	1792	1794	1797	rVB	52900	44769	2.38%	0.145%
61	12.674	1797	1800	1803	rVB	114379	104837	5.56%	0.340%
62	12.727	1805	1809	1812	rBV	67516	77731	4.13%	0.252%
63	12.804	1815	1822	1828	rBV	1572998	1807714	95.95%	5.858%
64	12.857	1828	1831	1835	rVB2	84061	96191	5.11%	0.312%
65	12.939	1839	1845	1848	rBV2	658271	657780	34.91%	2.132%
66	12.968	1848	1850	1854	rVB	69586	71306	3.78%	0.231%
67	13.021	1855	1859	1863	rBV3	132144	230475	12.23%	0.747%
68	13.133	1870	1878	1881	rBV	344246	494125	26.23%	1.601%
69	13.174	1882	1885	1886	rBV2	52276	54408	2.89%	0.176%
70	13.198	1886	1889	1892	rVV	283054	260143	13.81%	0.843%
71	13.239	1892	1896	1899	rVV2	175439	194890	10.34%	0.632%

LSC Area Percent Report

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Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.298	1903	1906	1909	rBV3	31852	43222	2.29%	0.140%
73	13.327	1909	1911	1914	rBV	109595	97456	5.17%	0.316%
74	13.362	1914	1917	1920	rBV	111051	121241	6.44%	0.393%
75	13.510	1940	1942	1944	rBV2	43724	39347	2.09%	0.128%
76	13.615	1957	1960	1962	rBV2	52760	63065	3.35%	0.204%
77	13.645	1962	1965	1969	rVB	107612	113799	6.04%	0.369%
78	13.751	1980	1983	1985	rBV	150261	143271	7.60%	0.464%
79	13.780	1985	1988	1990	rVB	129329	107129	5.69%	0.347%
80	13.804	1990	1992	1999	rBV3	126118	239288	12.70%	0.775%
81	13.998	2018	2025	2028	rBV2	1251660	1884005	100.00%	6.105%
82	14.027	2028	2030	2038	rVB	922131	816977	43.36%	2.648%
83	14.110	2042	2044	2046	rVV	109667	80149	4.25%	0.260%
84	14.151	2049	2051	2057	rVV3	128883	161741	8.58%	0.524%
85	14.227	2061	2064	2067	rBV2	82102	107187	5.69%	0.347%
86	14.351	2083	2085	2087	rBV	67751	64605	3.43%	0.209%
87	14.392	2087	2092	2094	rVV	221107	286078	15.18%	0.927%
88	14.421	2095	2097	2101	rVV	99841	101319	5.38%	0.328%
89	14.462	2101	2104	2106	rVV3	92769	115499	6.13%	0.374%
90	14.515	2110	2113	2115	rVV	124079	142074	7.54%	0.460%
91	14.533	2115	2116	2121	rVB	123602	97596	5.18%	0.316%
92	14.886	2173	2176	2179	rBV	79834	87913	4.67%	0.285%
93	15.045	2198	2203	2206	rBV	746107	1184494	62.87%	3.839%
94	15.151	2218	2221	2225	rVB	155920	161168	8.55%	0.522%
95	15.345	2250	2254	2260	rVB	423793	508122	26.97%	1.647%
96	15.409	2260	2265	2270	rVV	645269	794764	42.18%	2.576%
97	15.468	2271	2275	2278	rVV	555071	710814	37.73%	2.304%
98	15.498	2278	2280	2290	rVB2	167389	226322	12.01%	0.733%
99	16.933	2519	2524	2532	rBV	203047	391534	20.78%	1.269%
100	17.380	2595	2600	2613	rVB	151748	363338	19.29%	1.177%

Sum of corrected areas: 30857617

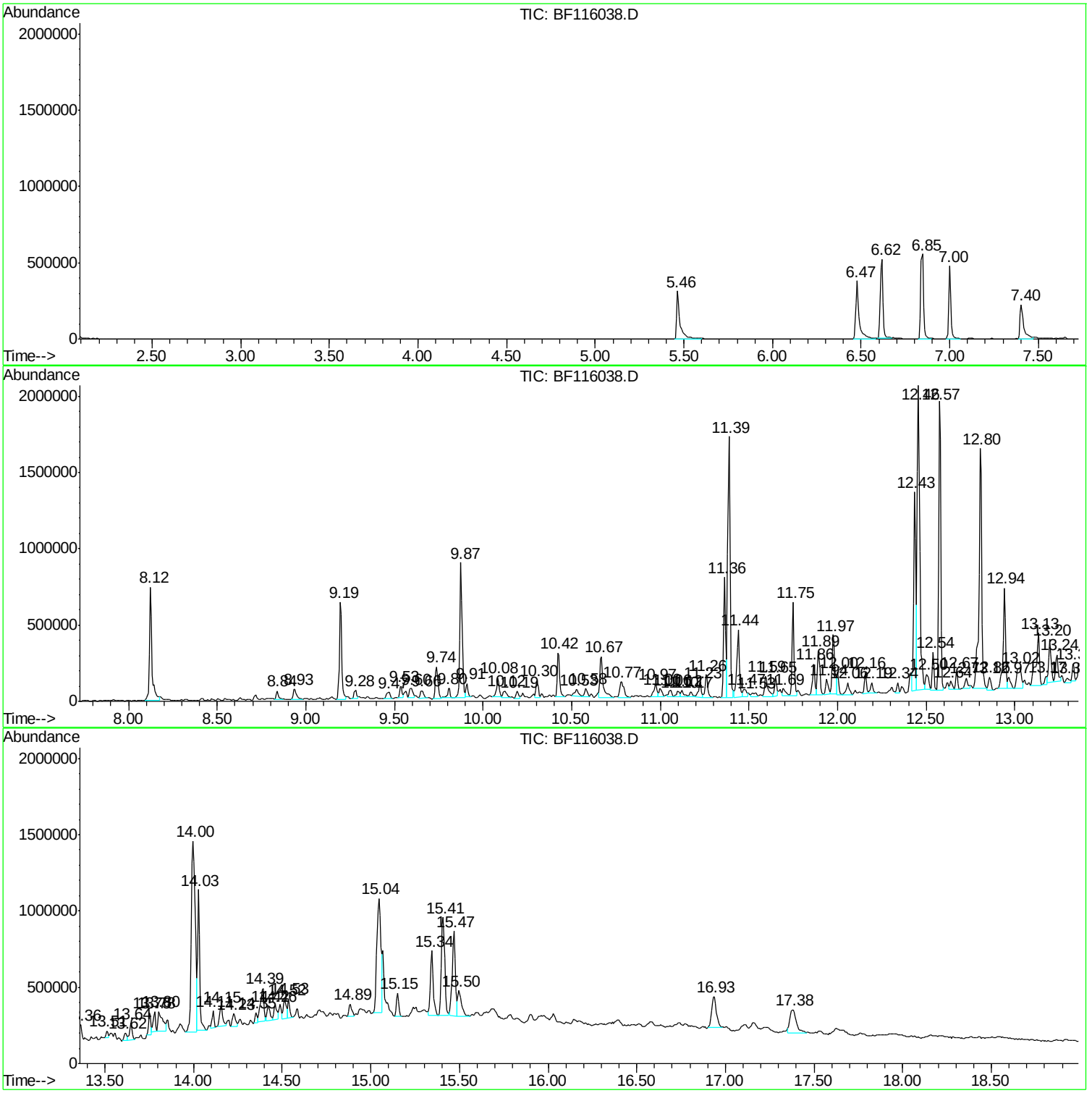
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF080619\
Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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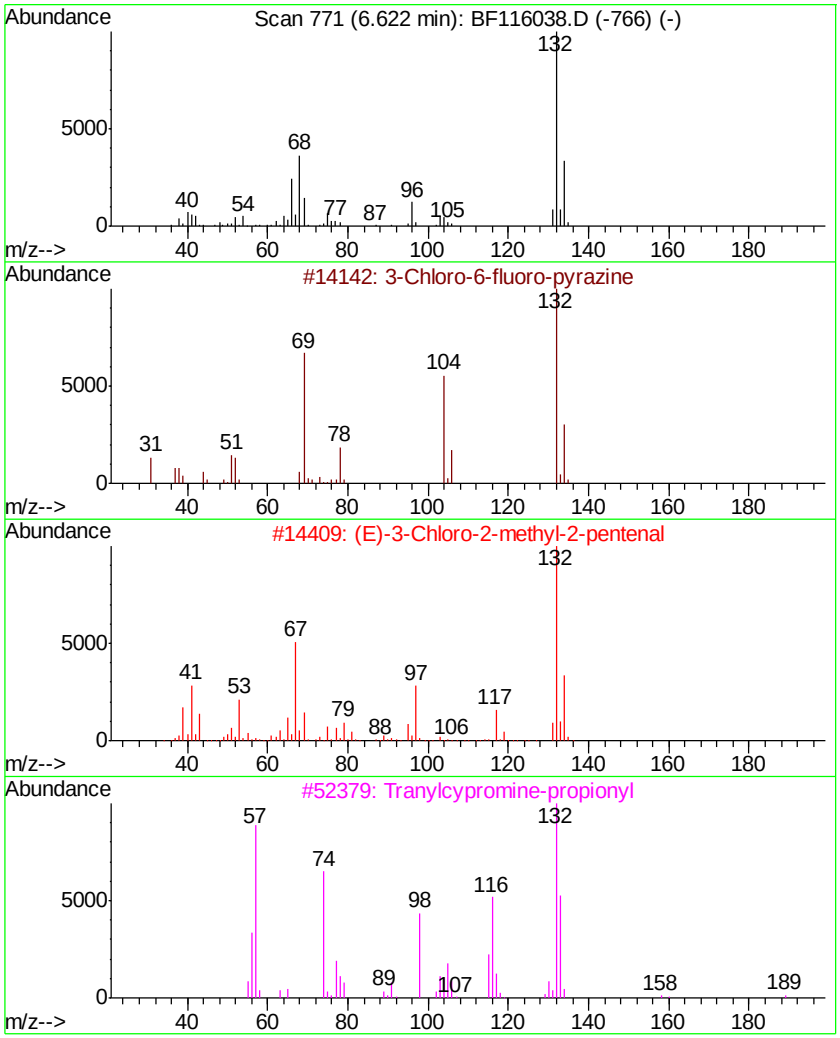
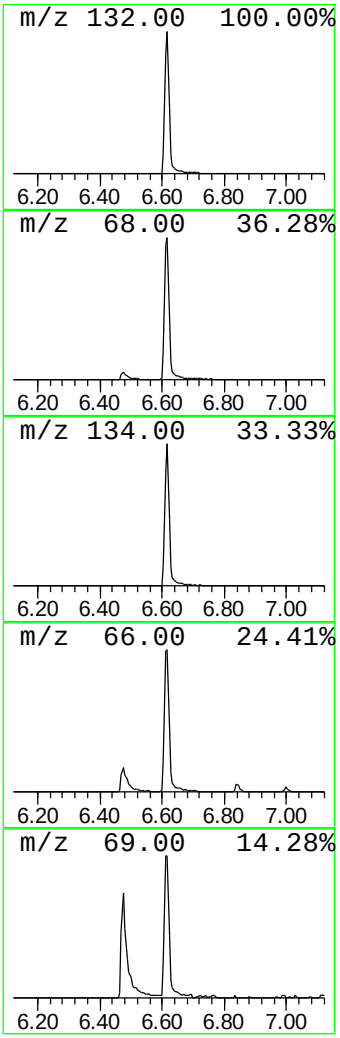
Peak Number 1 unknown6.62 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	18.88 ng	514710	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	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Xenon	132	Xe	007440-63-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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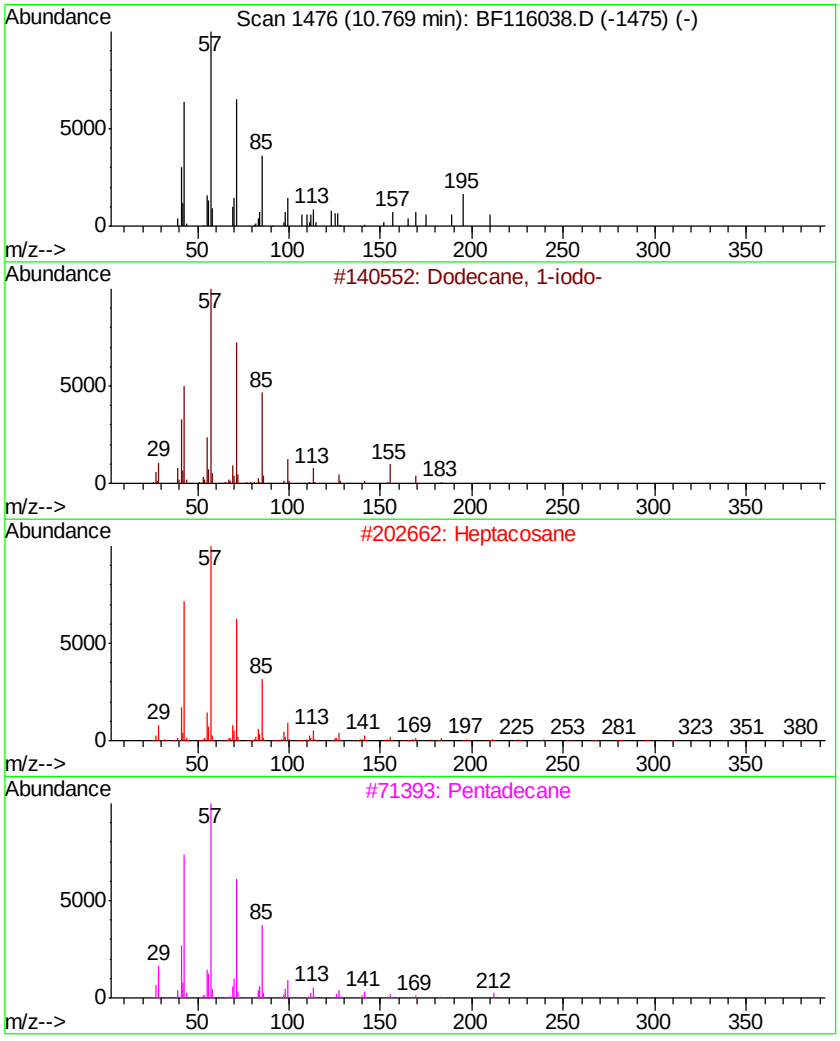
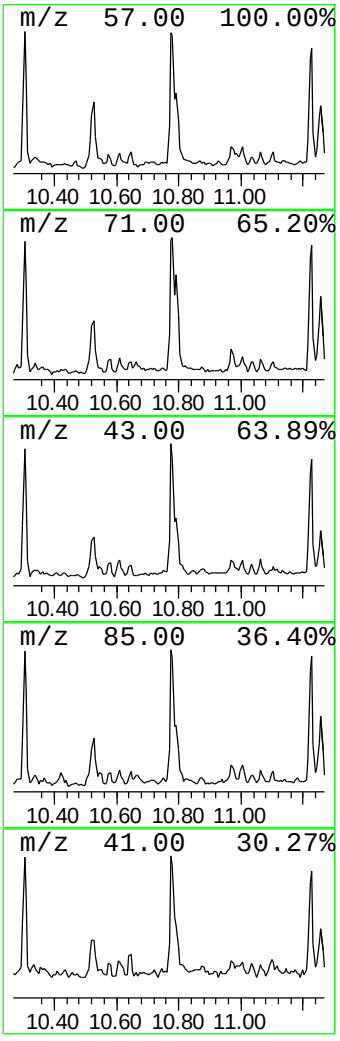
Peak Number 3 Dodecane, 1-iodo- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	4.33 ng	159185	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87
2	Heptacosane	380	C27H56	000593-49-7	87
3	Pentadecane	212	C15H32	000629-62-9	86
4	Tridecane	184	C13H28	000629-50-5	86
5	Hexadecane	226	C16H34	000544-76-3	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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Acq On : 7 Aug 2019 4:32
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Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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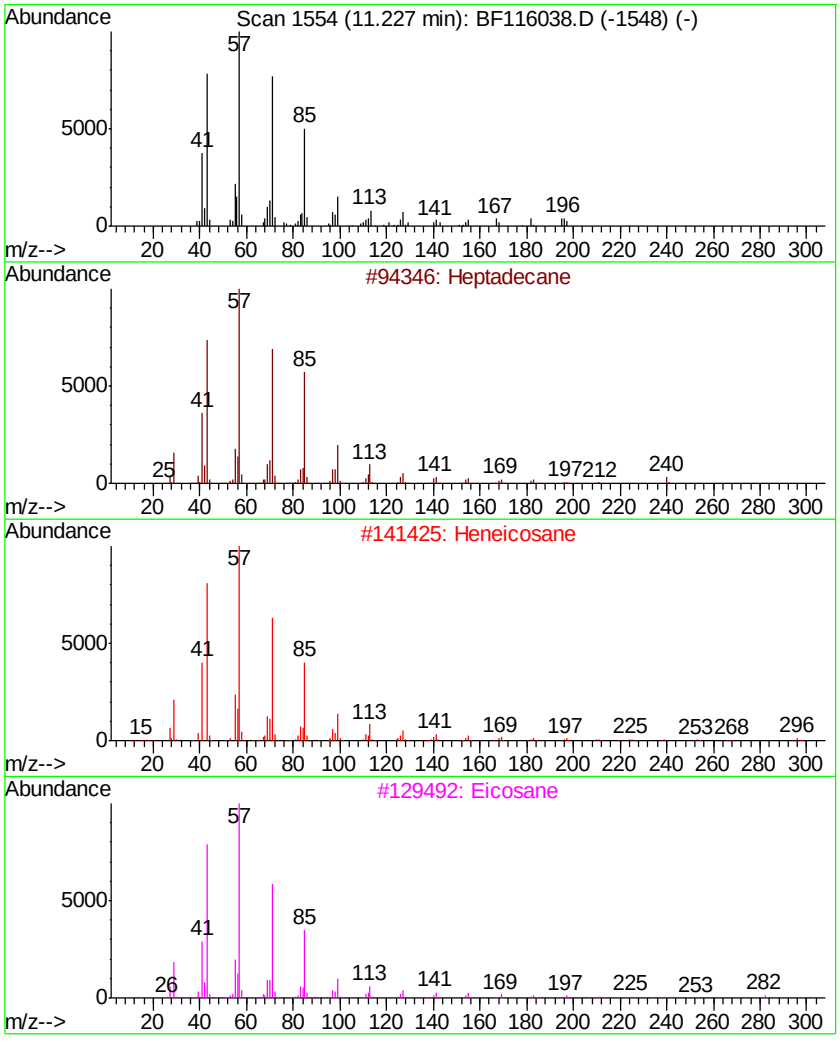
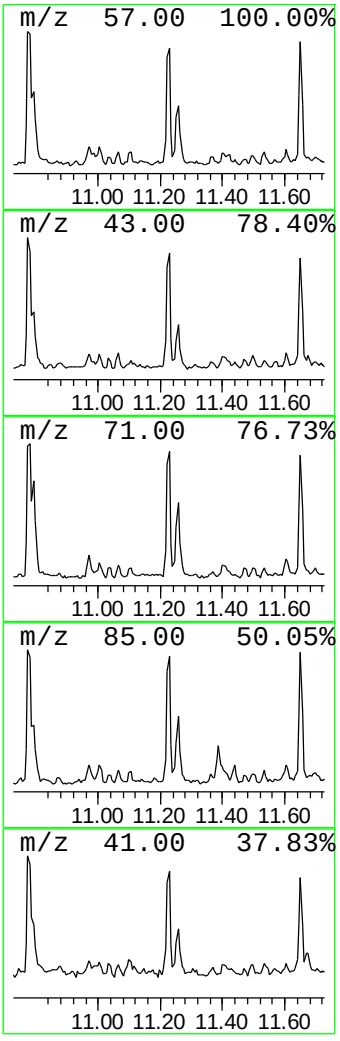
Peak Number 4 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.29 ng	121117	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Heneicosane	296	C21H44	000629-94-7	83
3	Eicosane	282	C20H42	000112-95-8	83
4	Heptacosane	380	C27H56	000593-49-7	80
5	Docosane	310	C22H46	000629-97-0	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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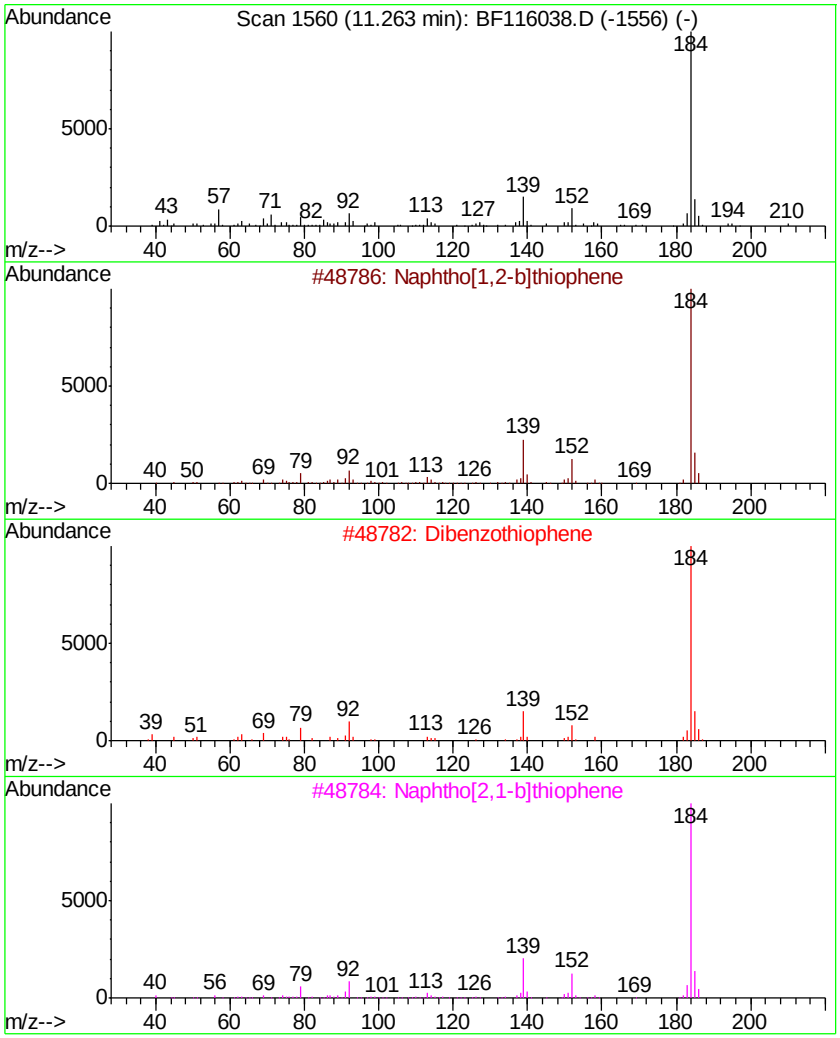
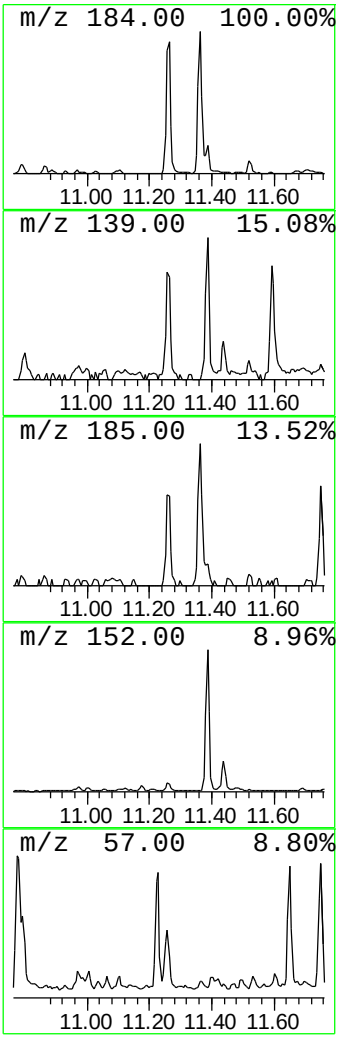
Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	4.35 ng	159865	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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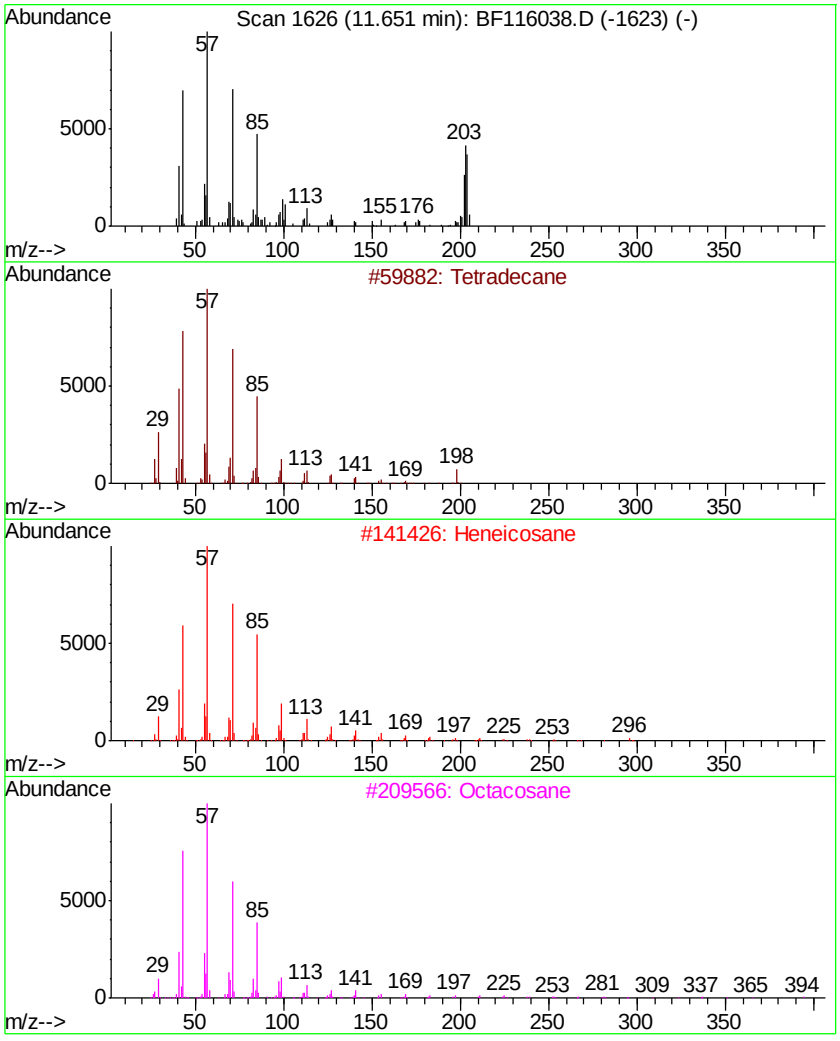
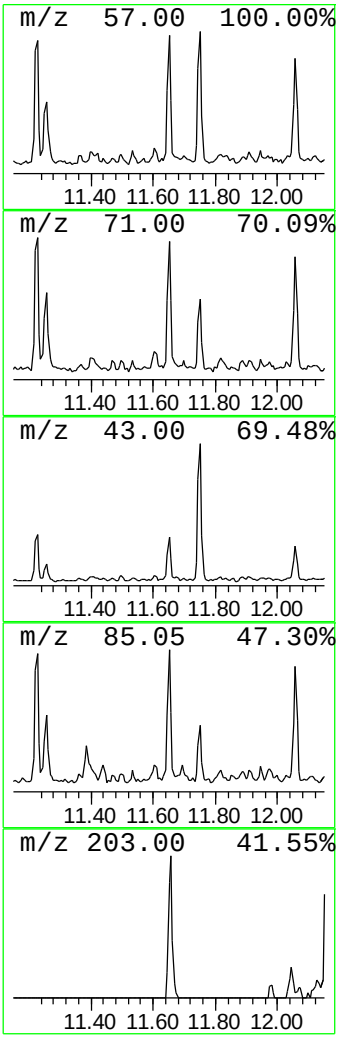
Peak Number 6 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.17 ng	116382	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	52
2	Heneicosane	296	C21H44	000629-94-7	50
3	Octacosane	394	C28H58	000630-02-4	45
4	Heptadecane	240	C17H36	000629-78-7	45
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	45





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Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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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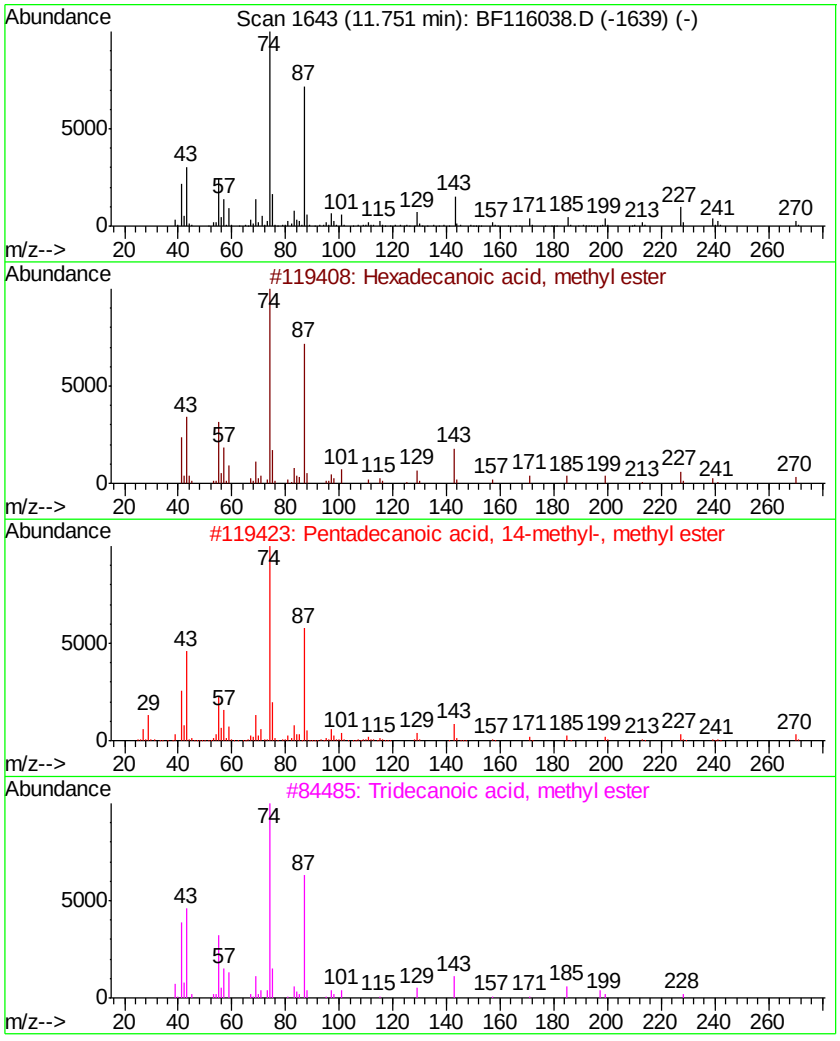
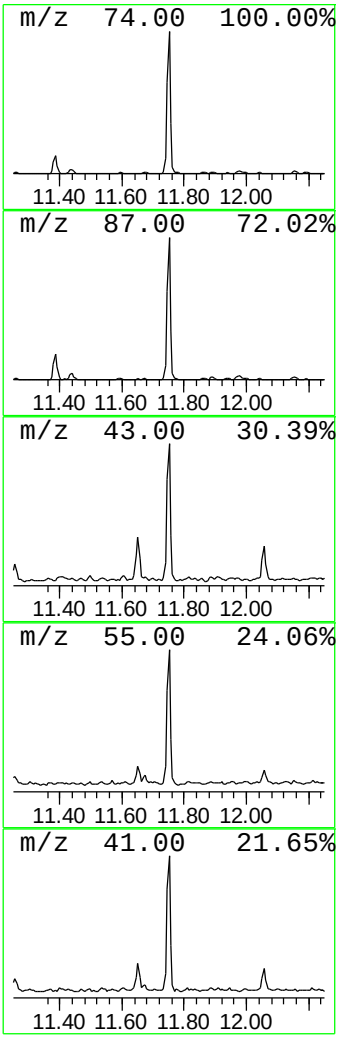
Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	13.22 ng	486079	Phenanthrene-d10	11.36

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	96
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	83





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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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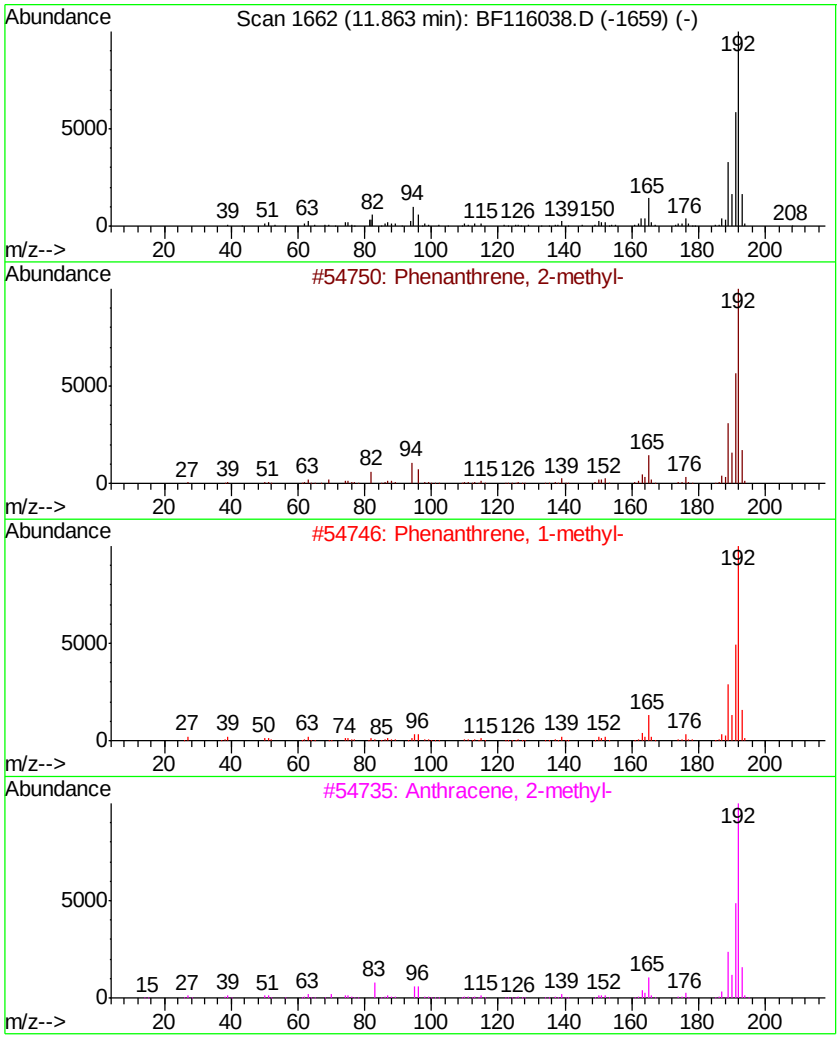
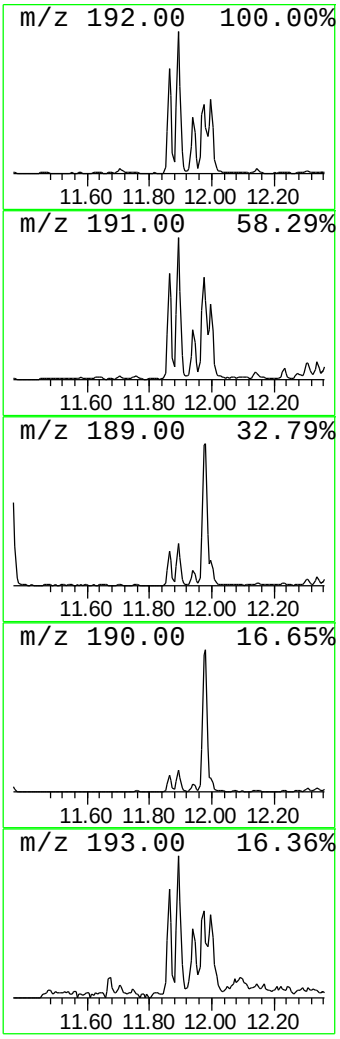
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.26 ng	193358	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
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	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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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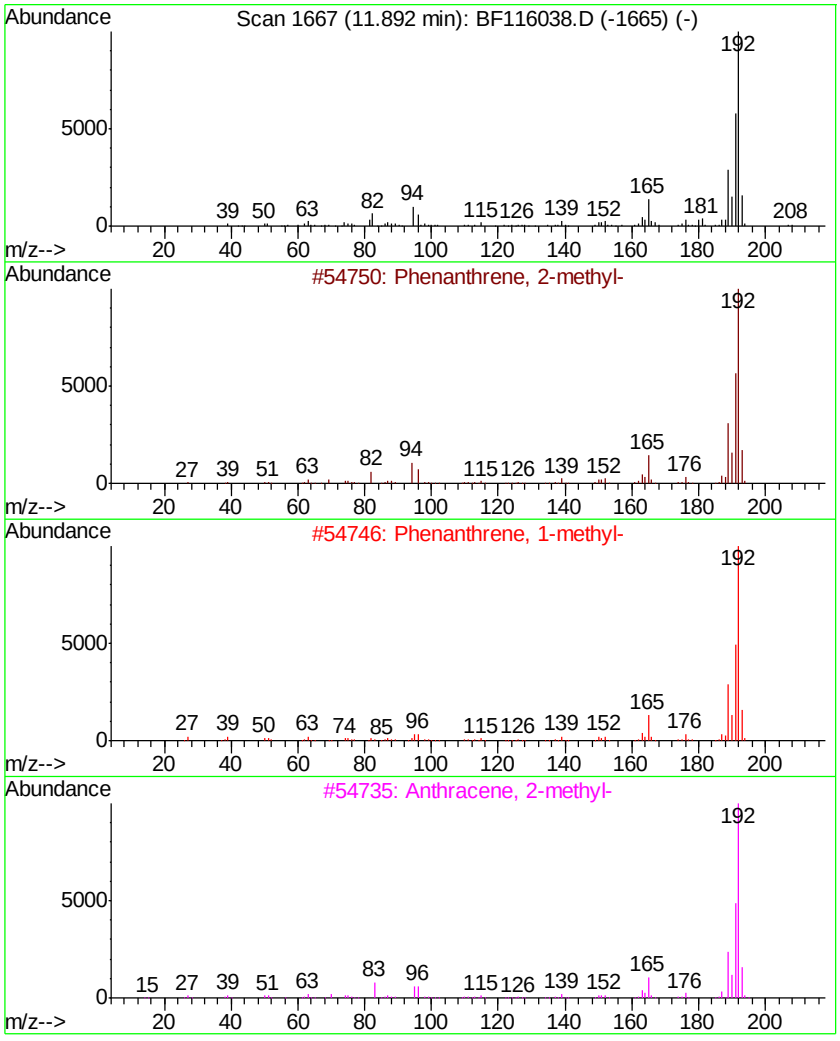
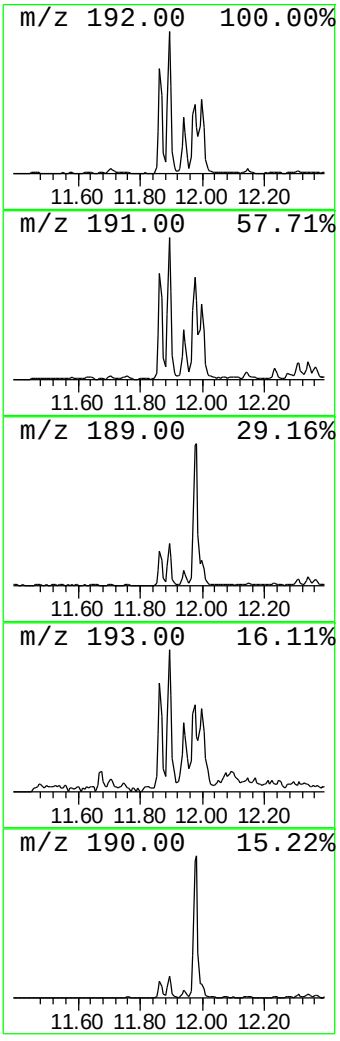
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.41 ng	235541	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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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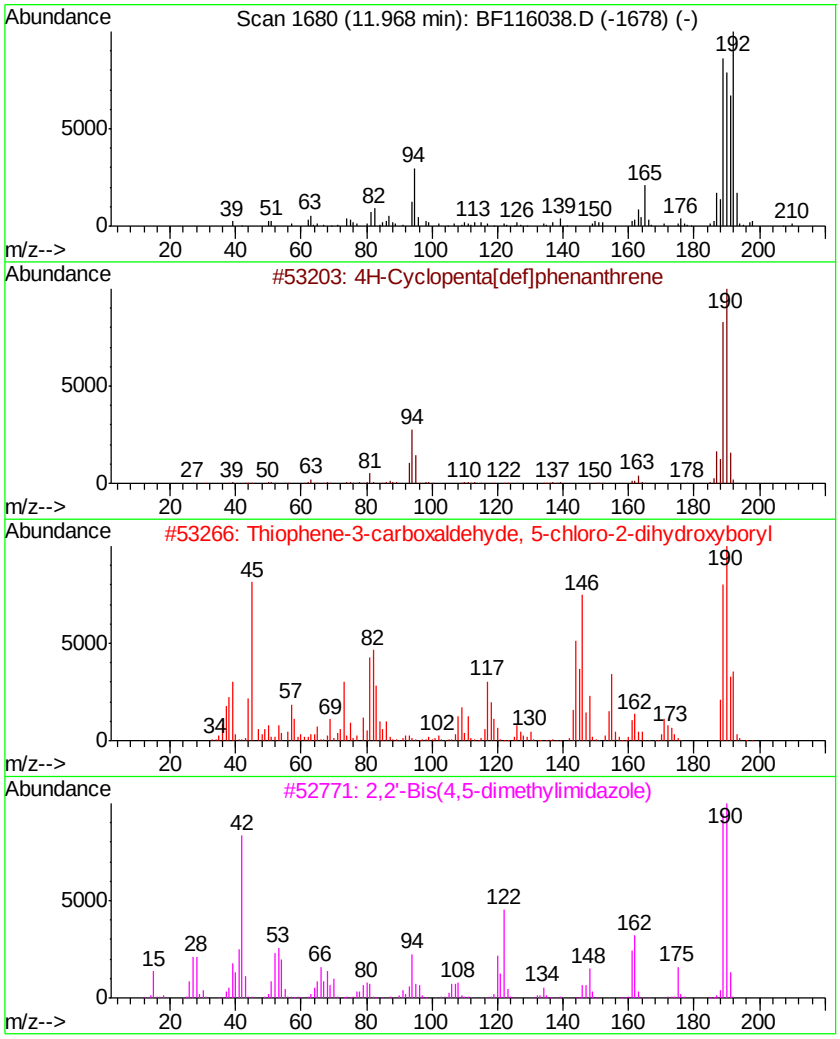
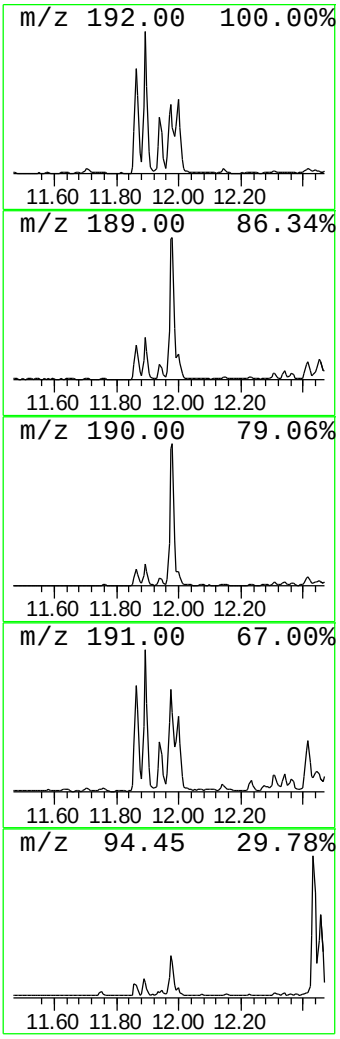
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	11.61 ng	426873	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	33





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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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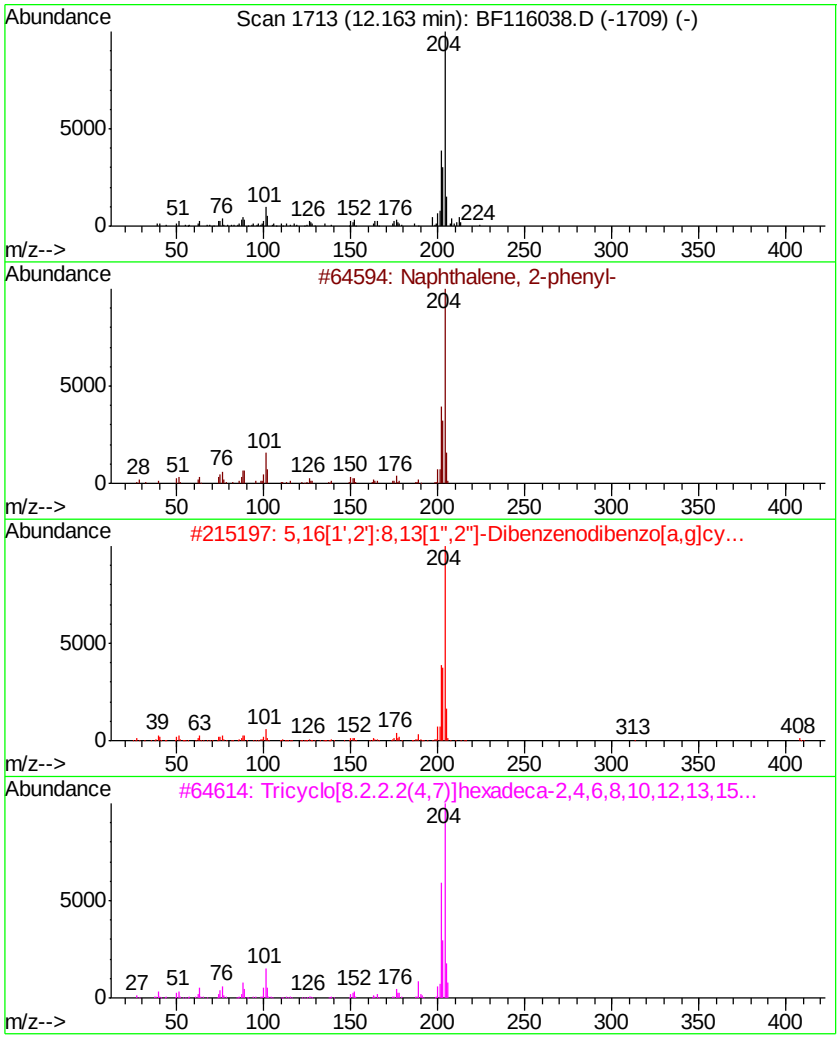
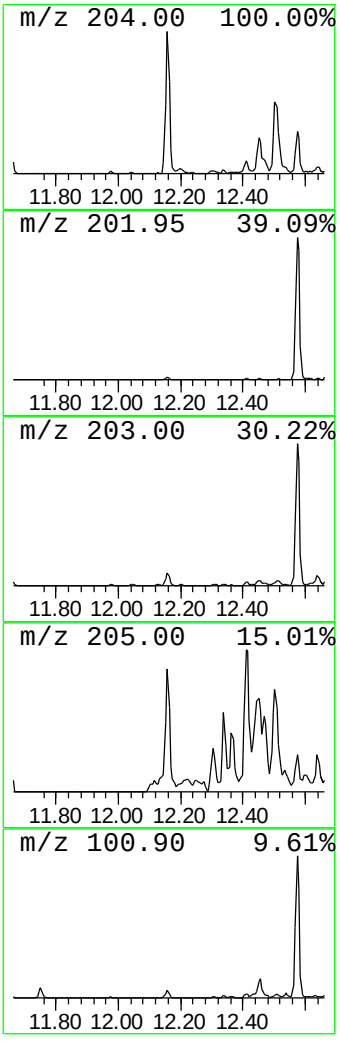
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.37 ng	123843	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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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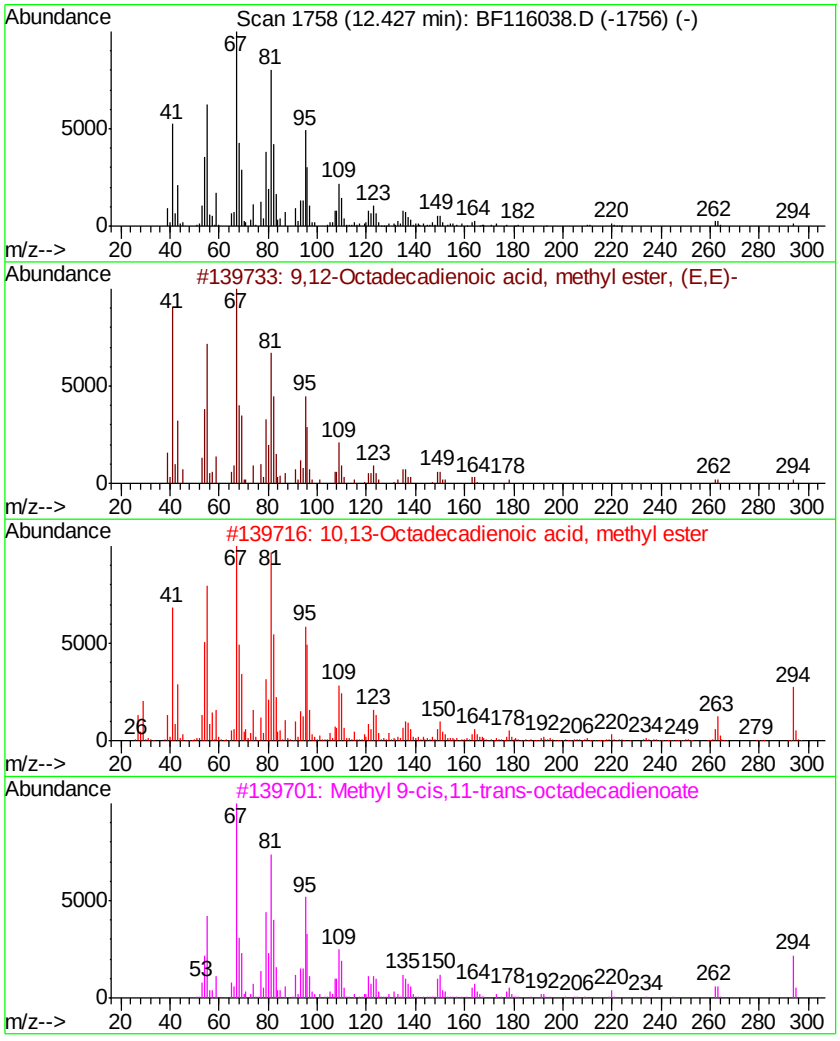
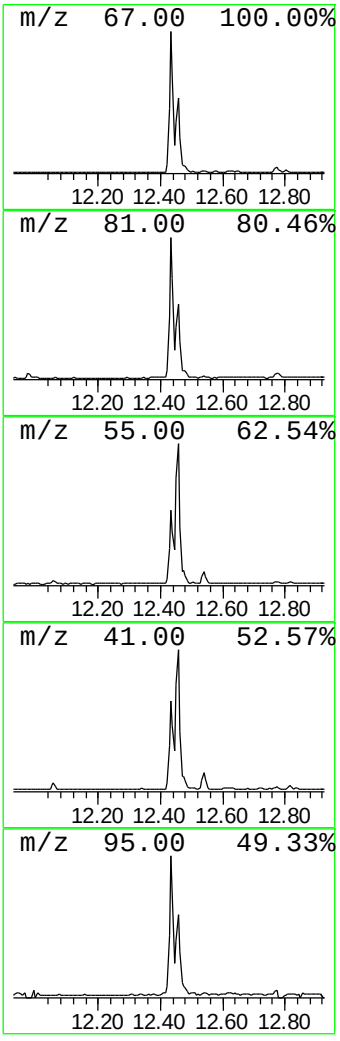
Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	34.14 ng	1255290	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	98





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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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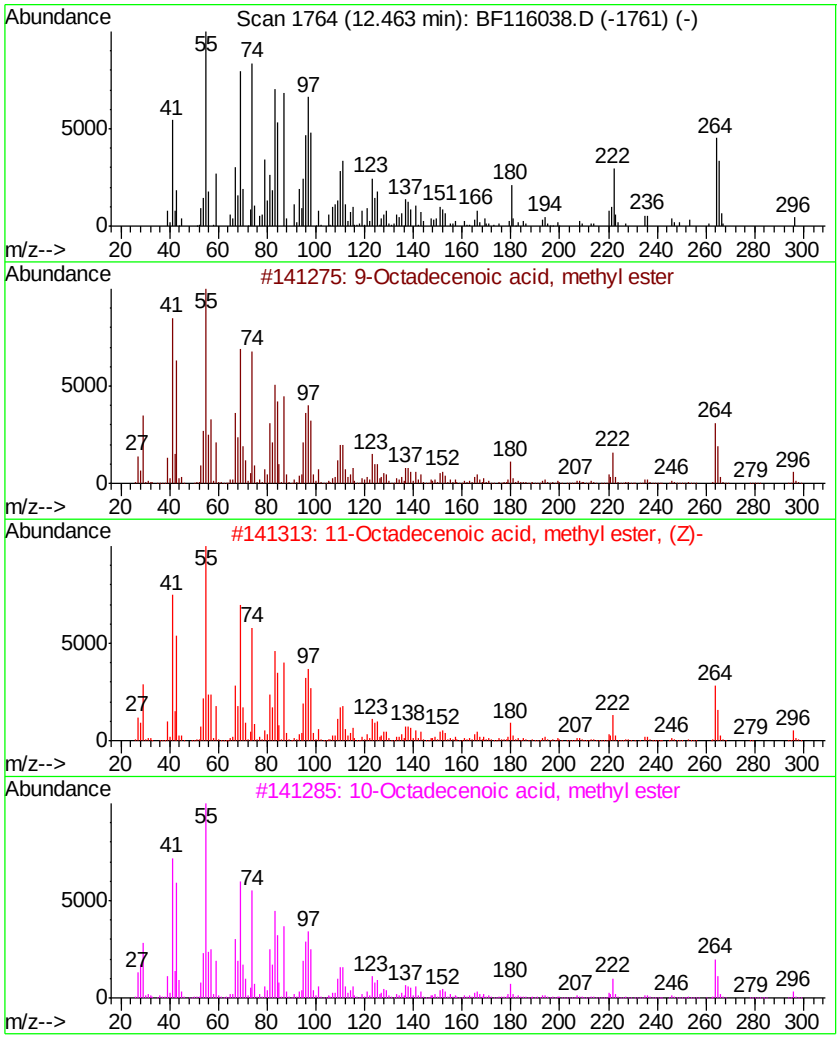
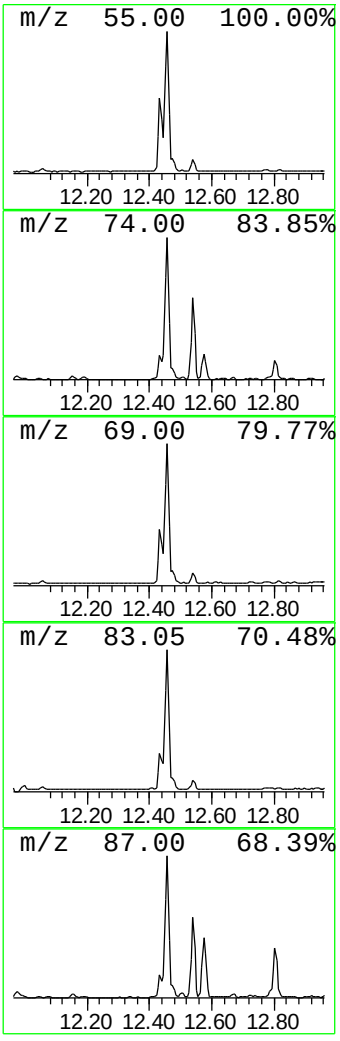
Peak Number 13 9-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	47.68 ng	1753080	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	99
5	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99





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Misc :
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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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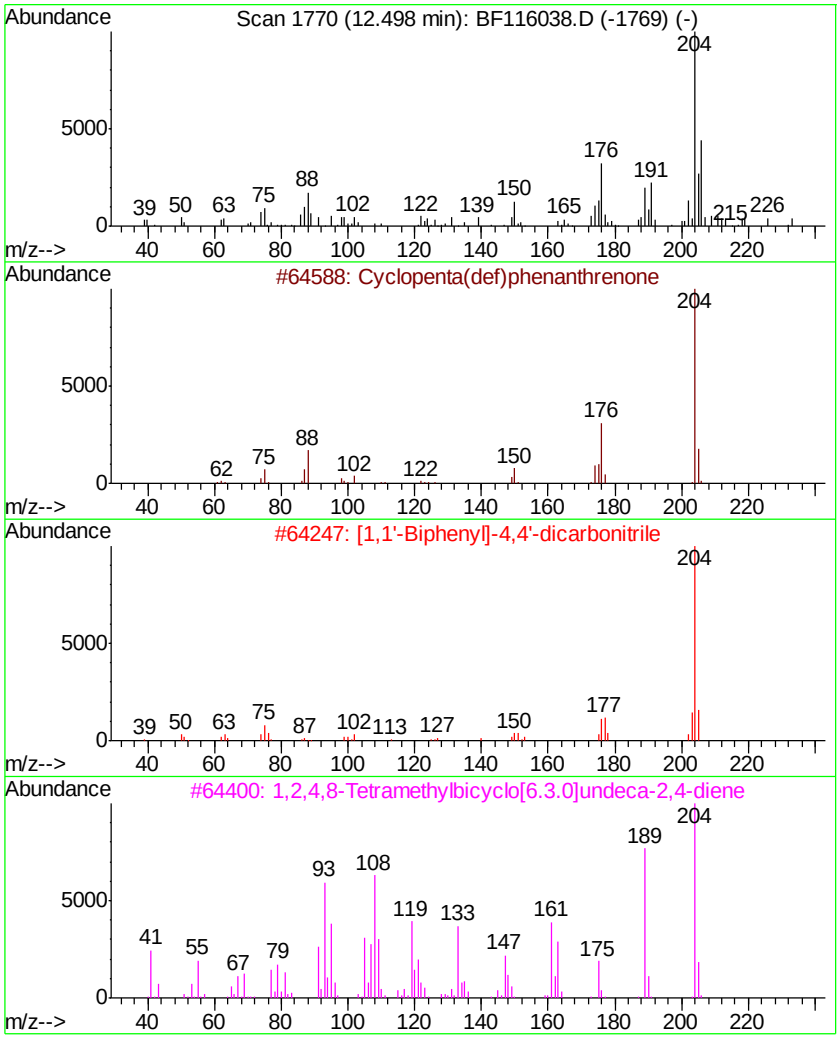
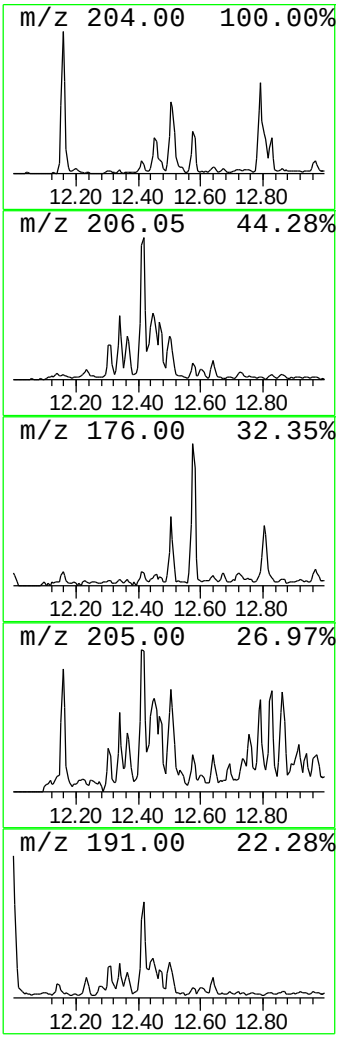
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	2.87 ng	105396	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	49
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-080219-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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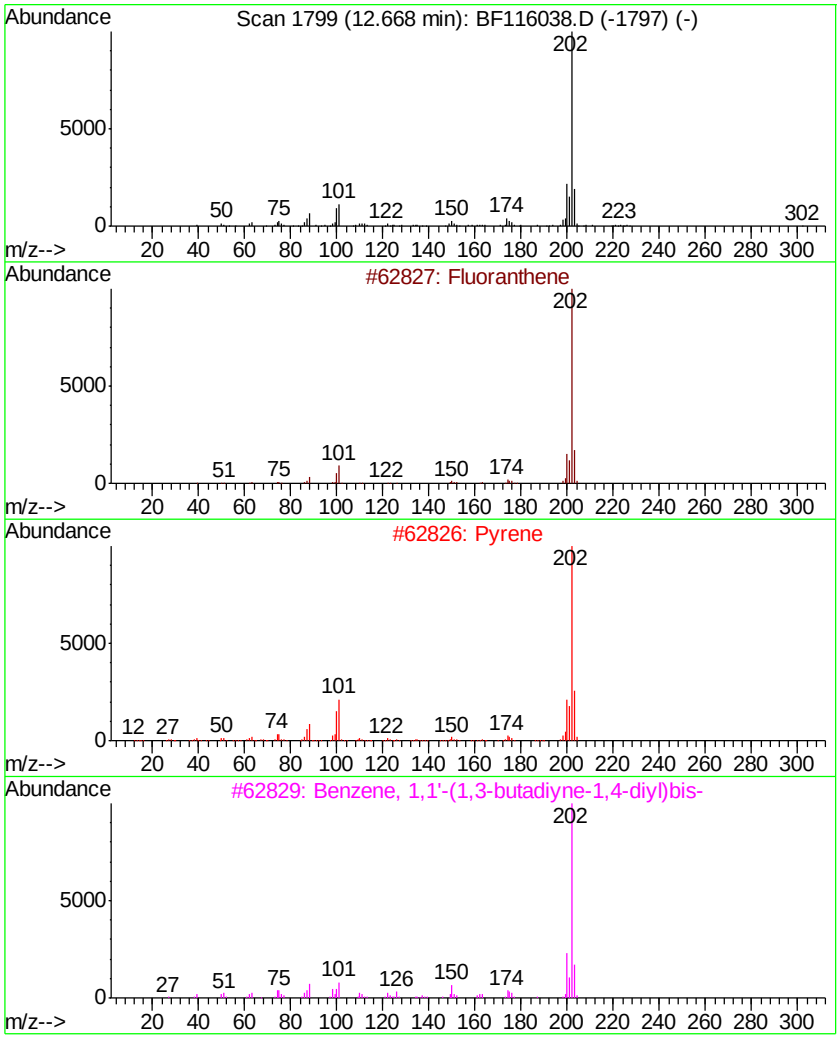
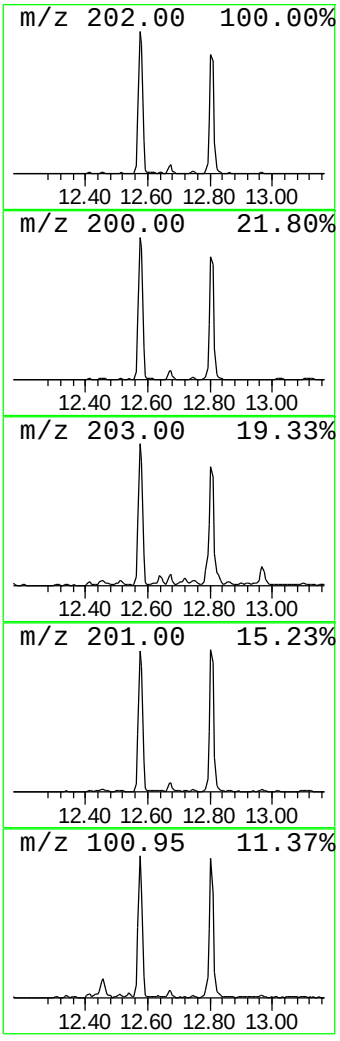
Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	2.85 ng	104837	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	81
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	68
4	1-Methyl-7,11-dithiaspiro[5,5] u...	202	C10H18S2	107678-22-8	43
5	5-(4-Methylphenyl)furan-2-carbox...	202	C12H10O3	1000305-27-5	9





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TIC Library : C:\DATABASE\NIST11.L
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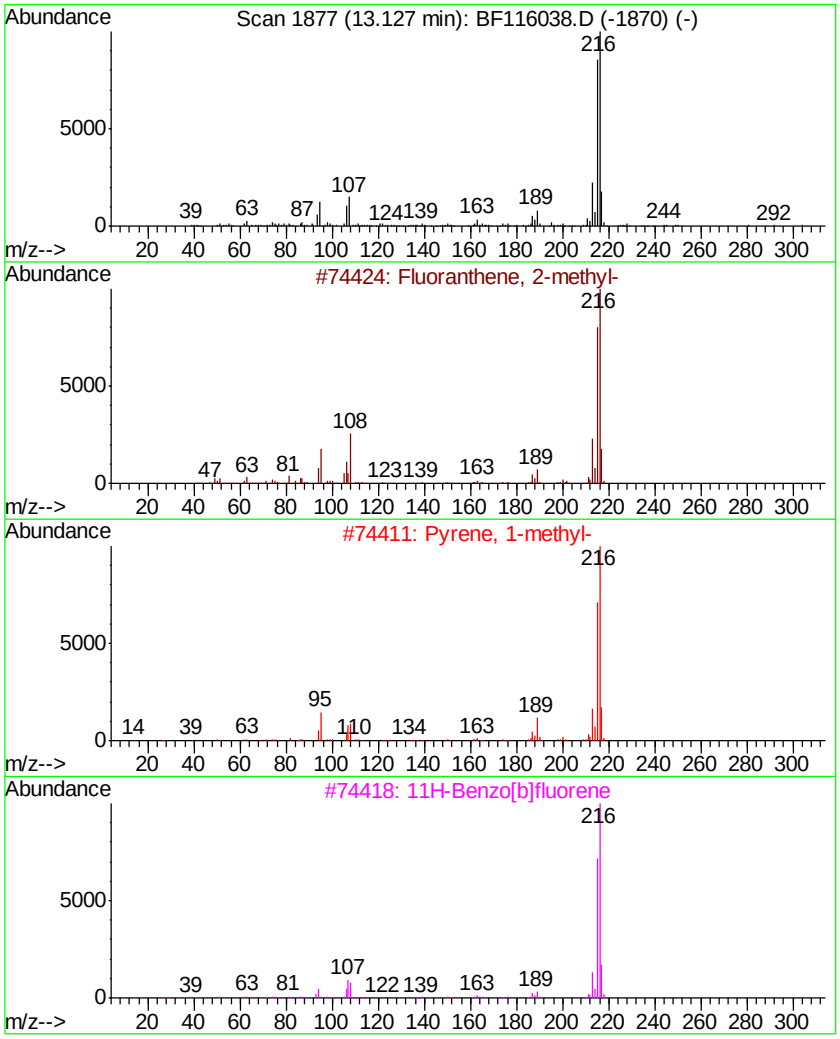
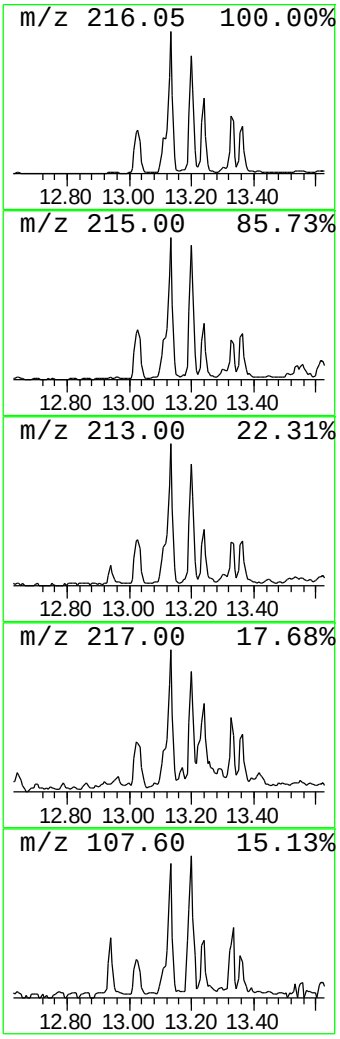
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	5.25 ng	494125	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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TIC Integration Parameters: LSCINT.P

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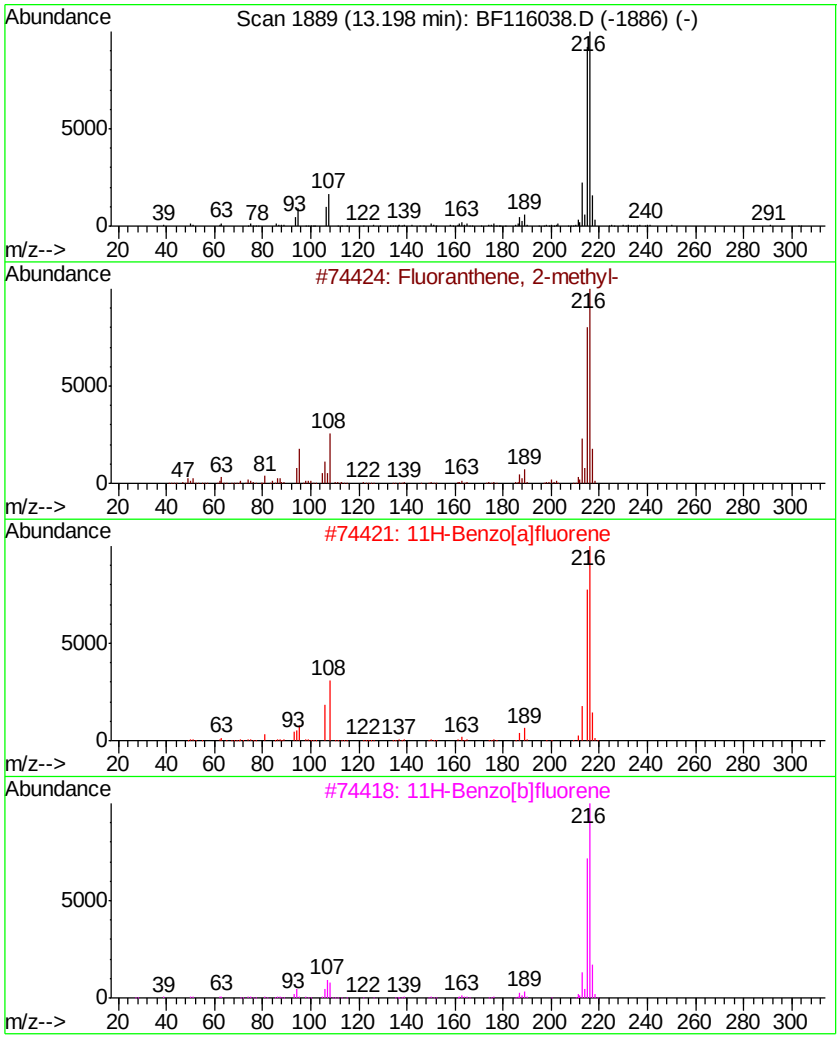
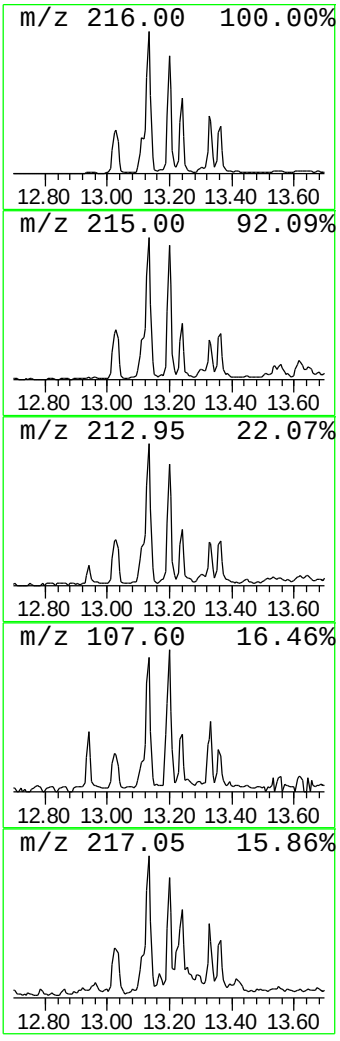
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.76 ng	260143	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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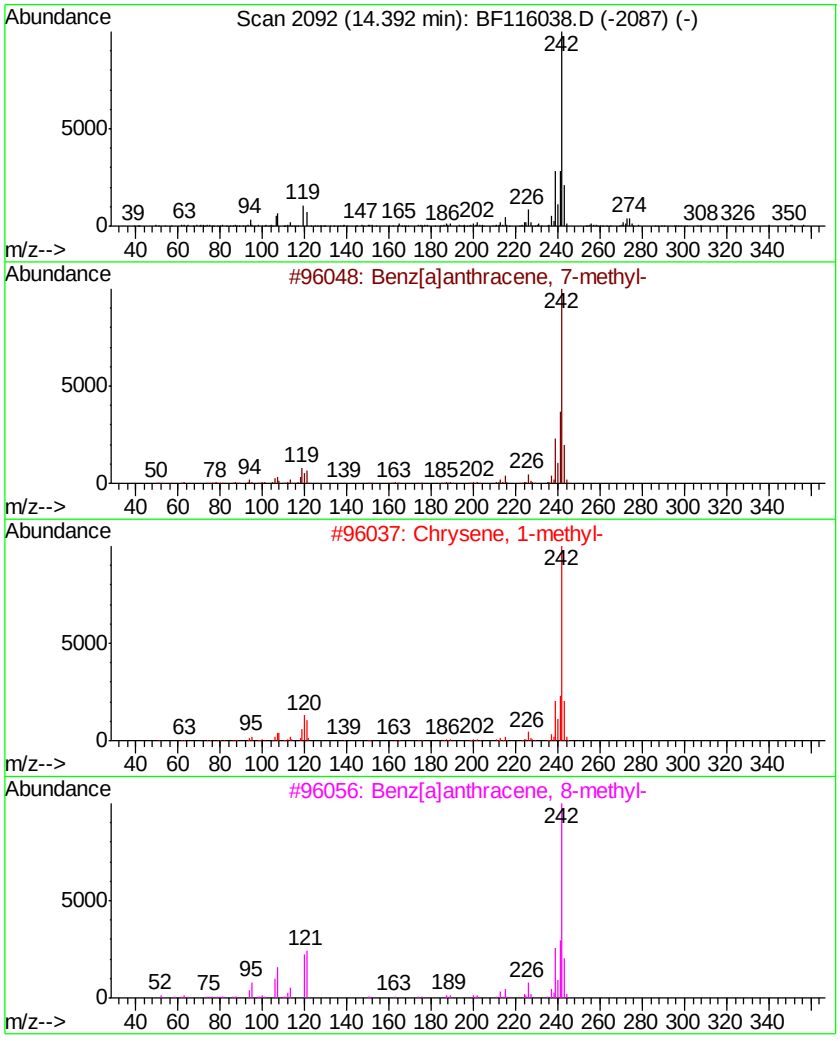
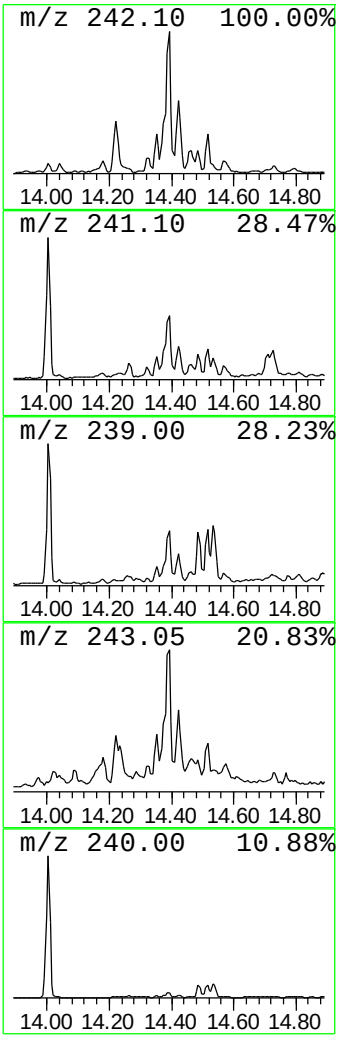
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	3.04 ng	286078	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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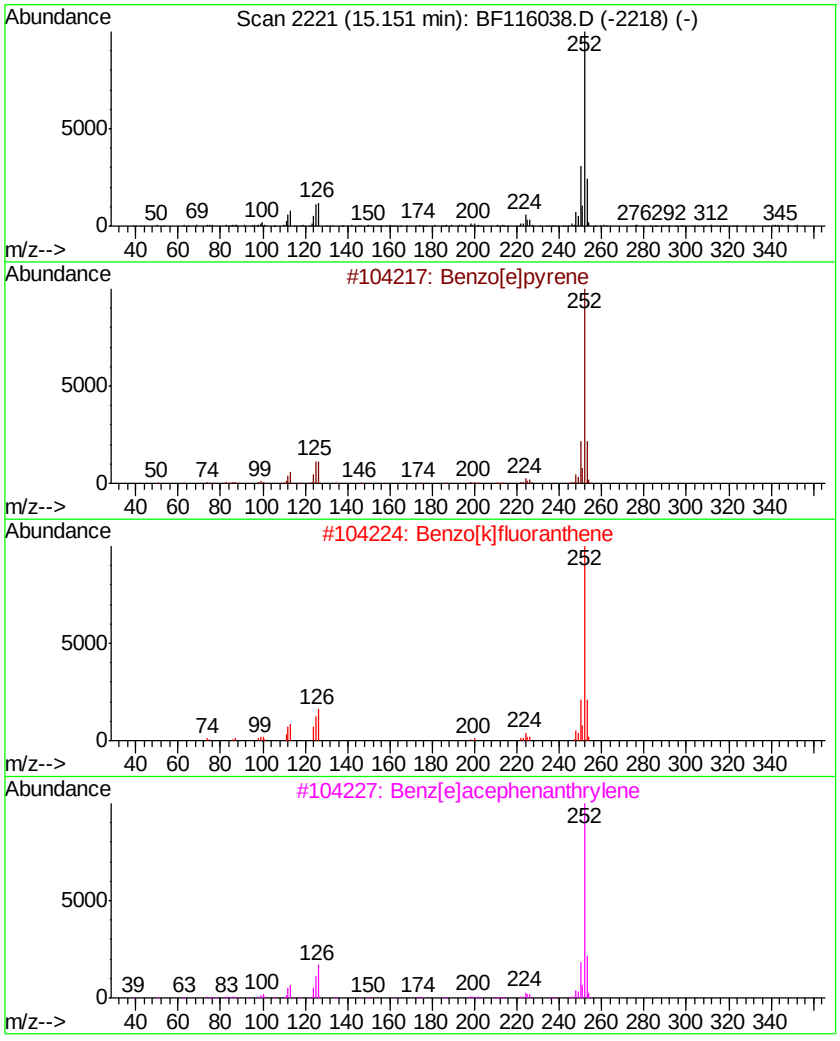
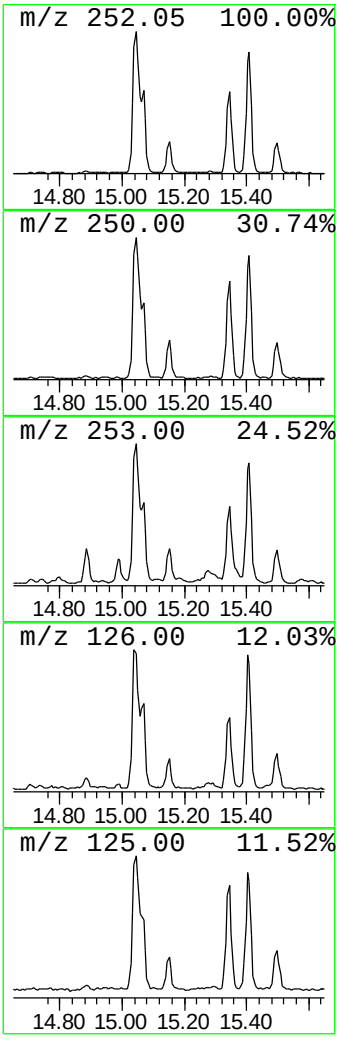
Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	4.53 ng	161168	Perylene-d12	15.47

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	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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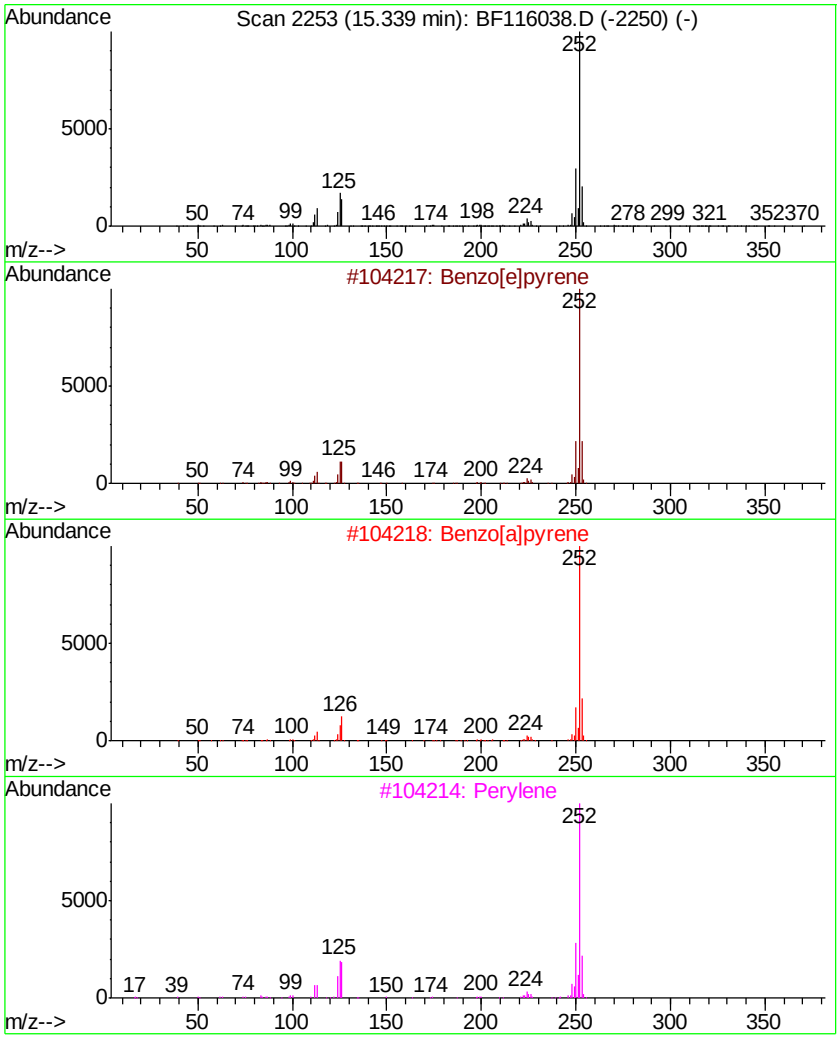
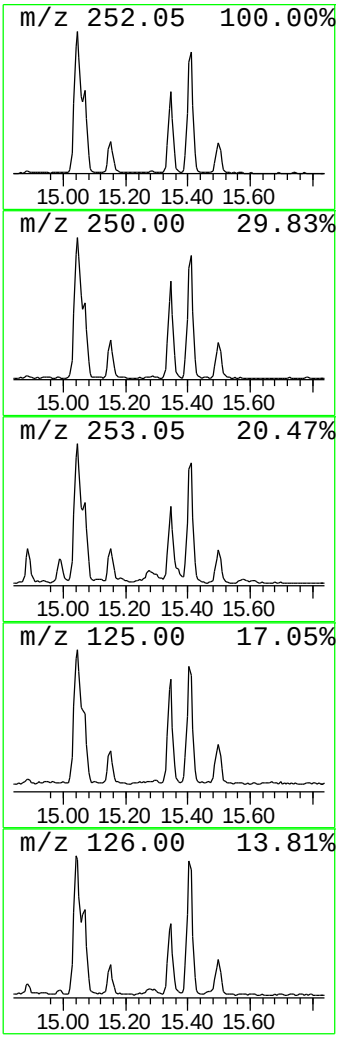
Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	14.30 ng	508122	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080619\
Data File : BF116038.D
Acq On : 7 Aug 2019 4:32
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.62	6.62	18.9	ng	514710	1	6.85	545320	20.0
Dodecane, 1-iodo-	10.77	4.3	ng	159185	4	11.36	735419	20.0
Heptadecane	11.23	3.3	ng	121117	4	11.36	735419	20.0
Naphtho[1,2-b]thi...	11.26	4.3	ng	159865	4	11.36	735419	20.0
Tetradecane	11.65	3.2	ng	116382	4	11.36	735419	20.0
Hexadecanoic acid...	11.75	13.2	ng	486079	4	11.36	735419	20.0
Phenanthrene, 2-m...	11.86	5.3	ng	193358	4	11.36	735419	20.0
Phenanthrene, 1-m...	11.89	6.4	ng	235541	4	11.36	735419	20.0
4H-Cyclopenta[def...	11.97	11.6	ng	426873	4	11.36	735419	20.0
Naphthalene, 2-ph...	12.16	3.4	ng	123843	4	11.36	735419	20.0
9,12-Octadecadien...	12.43	34.1	ng	1255290	4	11.36	735419	20.0
9-Octadecenoic ac...	12.46	47.7	ng	1753080	4	11.36	735419	20.0
Cyclopenta(def)ph...	12.50	2.9	ng	105396	4	11.36	735419	20.0
Benzene, 1,1'-(1,...	12.67	2.9	ng	104837	4	11.36	735419	20.0
Fluoranthene, 2-m...	13.13	5.3	ng	494125	5	14.00	1884010	20.0
Pyrene, 1-methyl-	13.20	2.8	ng	260143	5	14.00	1884010	20.0
Benz[a]anthracene...	14.39	3.0	ng	286078	5	14.00	1884010	20.0
Benzo[e]pyrene	15.15	4.5	ng	161168	6	15.47	710814	20.0
Perylene	15.34	14.3	ng	508122	6	15.47	710814	20.0