LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF113043.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.334	548	552	561	rBV	549778	541722	20.30%	0.956%
2	6.363	723	727	735	rBV	707152	608266	22.79%	1.073%
3	6.492	746	749	757	rBV	737870	623568	23.37%	1.100%
4	6.728	785	789	792	rBV	981031	878375	32.92%	1.550%
5	6.881	811	815	818	rBV	608308	485695	18.20%	0.857%
6	7.281	877	883	890	rBV	428043	397519	14.90%	0.702%
7	8.010	1003	1007	1009	rBV	1454553	1358111	50.89%	2.397%
8	8.028	1009	1010	1015	rVB	579676	366361	13.73%	0.647%
9	8.722	1124	1128	1134	rBV	1028164	859012	32.19%	1.516%
10	8.816	1139	1144	1155	rVB	990337	927097	34.74%	1.636%
11	9.081	1185	1189	1195	rBV	1265766	993457	37.23%	1.753%
12	9.175	1201	1205	1209	rBV2	126552	148146	5.55%	0.261%
13	9.275	1220	1222	1229	rVB	134339	170971	6.41%	0.302%
14	9.345	1229	1234	1238	rBV	454389	621855	23.30%	1.097%
15	9.416	1242	1246	1249	rVV	772369	808713	30.31%	1.427%
16	9.445	1249	1251	1254	rVV	616963	504625	18.91%	0.891%
17	9.475	1254	1256	1261	rVV3	123476	180998	6.78%	0.319%
18	9.533	1263	1266	1272	rVV	381088	462095	17.32%	0.815%
19	9.616	1275	1280	1286	rVV	469963	395201	14.81%	0.697%
20	9.757	1298	1304	1307	rBV2	2076509	1903531	71.33%	3.359%
21	9.786	1307	1309	1313	rVV2	323303	334907	12.55%	0.591%
22	9.863	1319	1322	1326	rVV2	161012	213026	7.98%	0.376%
23	9.963	1332	1339	1342	rVV2	343680	461774	17.30%	0.815%
24	9.998	1342	1345	1348	rVV	310993	283711	10.63%	0.501%
25	10.075	1353	1358	1361	rVV2	313151	337227	12.64%	0.595%
26	10.104	1361	1363	1366	rVV	215319	172592	6.47%	0.305%
27	10.163	1369	1373	1375	rVV2	190188	293868	11.01%	0.519%
28	10.180	1375	1376	1378	rVV	206258	146270	5.48%	0.258%
29	10.204	1378	1380	1383	rVV2	103840	114053	4.27%	0.201%
30	10.257	1386	1389	1391	rVV3	165767	203995	7.64%	0.360%
31	10.298	1393	1396	1403	rVV	796041	879716	32.97%	1.552%
32	10.369	1403	1408	1409	rVV	193750	255790	9.59%	0.451%
33	10.386	1409	1411	1413	rVV2	170208	165457	6.20%	0.292%
34	10.416	1413	1416	1420	rVV4	164756	239444	8.97%	0.423%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.457	1420	1423	1429	rVV4	197505	280781	10.52%	0.496%
36	10.539	1432	1437	1441	rVV2	907922	920923	34.51%	1.625%
37	10.586	1441	1445	1450	rVB2	77488	118669	4.45%	0.209%
38	10.669	1456	1459	1465	rVB2	219502	230756	8.65%	0.407%
39	10.845	1484	1489	1492	rBV2	368246	507677	19.02%	0.896%
40	10.875	1492	1494	1497	rVB	349357	254512	9.54%	0.449%
41	10.927	1501	1503	1506	rVB2	260566	246293	9.23%	0.435%
42	11.086	1527	1530	1533	rVV	108453	126398	4.74%	0.223%
43	11.127	1533	1537	1544	rVB	332722	452515	16.96%	0.799%
44	11.233	1551	1555	1557	rBV	1753309	1676668	62.83%	2.959%
45	11.263	1557	1560	1563	rVV	2194973	1948064	73.00%	3.438%
46	11.310	1563	1568	1571	rVB	477989	433033	16.23%	0.764%
47	11.351	1571	1575	1577	rBV	210559	263833	9.89%	0.466%
48	11.392	1580	1582	1584	rVV2	103305	109323	4.10%	0.193%
49	11.469	1592	1595	1598	rVV2	88845	119277	4.47%	0.210%
50	11.563	1608	1611	1615	rVB2	274123	273561	10.25%	0.483%
51	11.639	1621	1624	1630	rVB2	923208	888807	33.31%	1.568%
52	11.733	1637	1640	1643	rVV	919632	918674	34.43%	1.621%
53	11.763	1643	1645	1650	rVV	1136852	1061256	39.77%	1.873%
54	11.810	1650	1653	1656	rVV	370461	349205	13.09%	0.616%
55	11.845	1656	1659	1661	rVV	1291518	1253109	46.96%	2.211%
56	11.869	1661	1663	1669	rVB	859138	722076	27.06%	1.274%
57	11.969	1678	1680	1682	rVB2	161017	120045	4.50%	0.212%
58	12.027	1687	1690	1692	rVV	347128	299205	11.21%	0.528%
59	12.051	1692	1694	1701	rVB2	195018	323170	12.11%	0.570%
60	12.157	1710	1712	1714	rBV	127088	132195	4.95%	0.233%
61	12.180	1714	1716	1718	rVV	200389	172118	6.45%	0.304%
62	12.210	1718	1721	1723	rVV	304040	264354	9.91%	0.467%
63	12.233	1723	1725	1728	rVB2	239796	189631	7.11%	0.335%
64	12.286	1730	1734	1736	rBV	777862	788003	29.53%	1.391%
65	12.322	1736	1740	1742	rVV2	2640324	2668551	100.00%	4.709%
66	12.345	1742	1744	1746	rVV	1755773	1443937	54.11%	2.548%
67	12.369	1746	1748	1753	rVV2	318457	525530	19.69%	0.927%
68	12.445	1756	1761	1764	rVV	2088116	2018134	75.63%	3.561%
69	12.492	1766	1769	1770	rVV	170223	174112	6.52%	0.307%
70	12.510	1770	1772	1775	rVB2	179163	148804	5.58%	0.263%
71	12.592	1784	1786	1790	rVB3	97460	127451	4.78%	0.225%

LSC Area Percent Report

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Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.669	1794	1799	1802	rBV	2202938	2376550	89.06%	4.194%
73	12.692	1802	1803	1806	rVB2	229957	153361	5.75%	0.271%
74	12.733	1807	1810	1813	rVB	250738	254605	9.54%	0.449%
75	12.810	1821	1823	1831	rVB	1138821	1308377	49.03%	2.309%
76	12.886	1833	1836	1839	rBV2	350494	447428	16.77%	0.790%
77	12.945	1844	1846	1848	rBV2	131164	123380	4.62%	0.218%
78	12.974	1848	1851	1852	rBV3	270581	254621	9.54%	0.449%
79	12.998	1852	1855	1858	rVB2	712887	691938	25.93%	1.221%
80	13.063	1858	1866	1869	rBV	604197	730130	27.36%	1.288%
81	13.098	1869	1872	1876	rBV	515691	478778	17.94%	0.845%
82	13.192	1885	1888	1890	rBV	504680	406874	15.25%	0.718%
83	13.221	1890	1893	1897	rVB	527650	456910	17.12%	0.806%
84	13.398	1920	1923	1925	rBV2	171850	187445	7.02%	0.331%
85	13.480	1933	1937	1939	rBV	184687	260260	9.75%	0.459%
86	13.604	1955	1958	1962	rBV2	185012	334137	12.52%	0.590%
87	13.639	1962	1964	1966	rVB	169724	121847	4.57%	0.215%
88	13.716	1974	1977	1981	rVV3	181123	210730	7.90%	0.372%
89	13.863	1997	2002	2004	rBV2	1850777	2406345	90.17%	4.247%
90	13.886	2004	2006	2014	rVB	958170	875369	32.80%	1.545%
91	13.951	2014	2017	2018	rBV	107819	109251	4.09%	0.193%
92	14.210	2059	2061	2063	rBV	131441	114028	4.27%	0.201%
93	14.245	2063	2067	2070	rVV	423343	527141	19.75%	0.930%
94	14.280	2070	2073	2076	rVB	281984	251176	9.41%	0.443%
95	14.339	2081	2083	2086	rVB2	236875	194360	7.28%	0.343%
96	14.368	2086	2088	2090	rBV	196240	177813	6.66%	0.314%
97	14.868	2169	2173	2180	rBV	573687	1062436	39.81%	1.875%
98	15.151	2218	2221	2226	rVB	360760	419238	15.71%	0.740%
99	15.210	2227	2231	2237	rBV	559705	662004	24.81%	1.168%
100	15.268	2237	2241	2244	rBV	1020893	1181749	44.28%	2.085%

Sum of corrected areas: 56666079

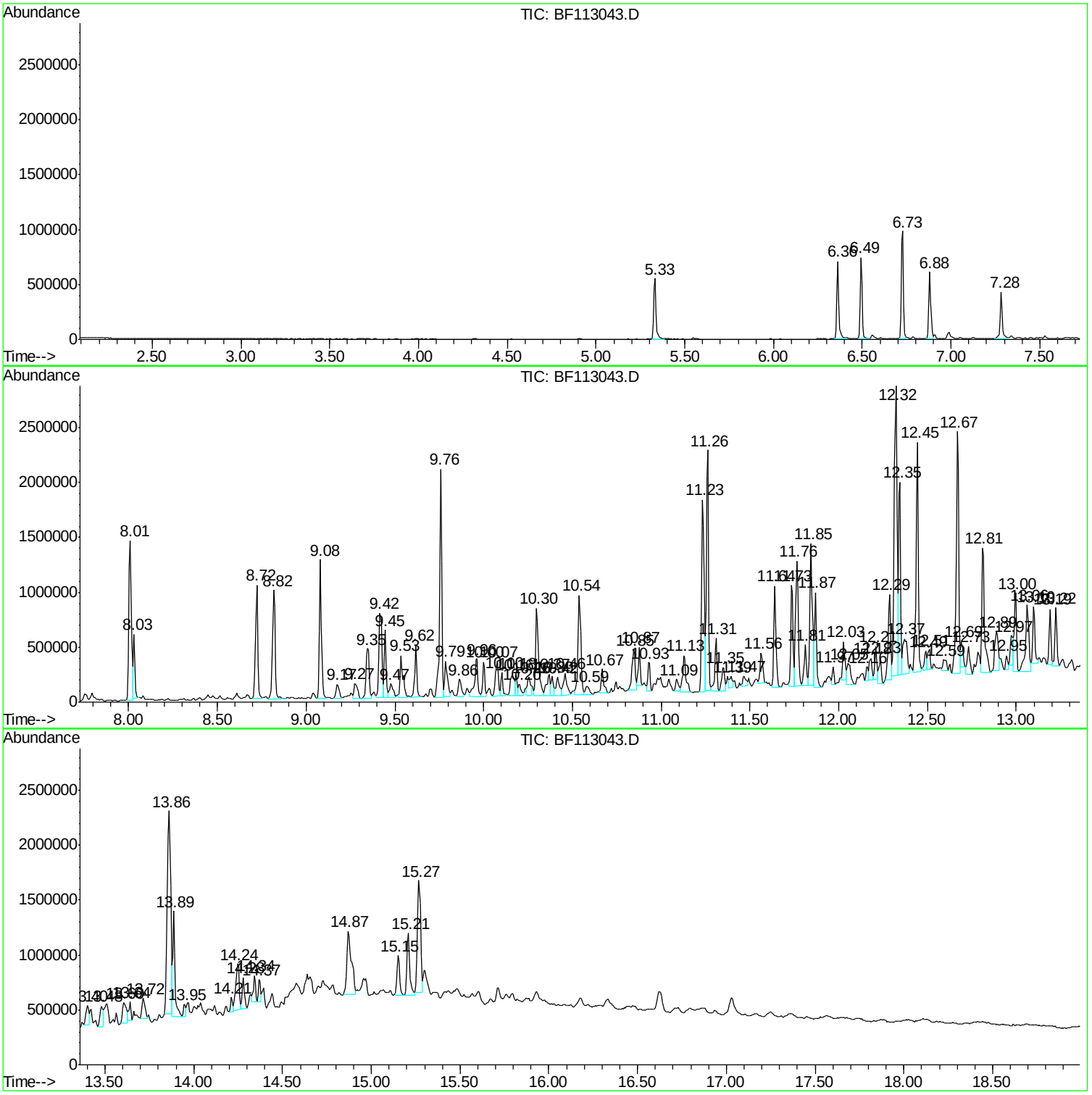
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

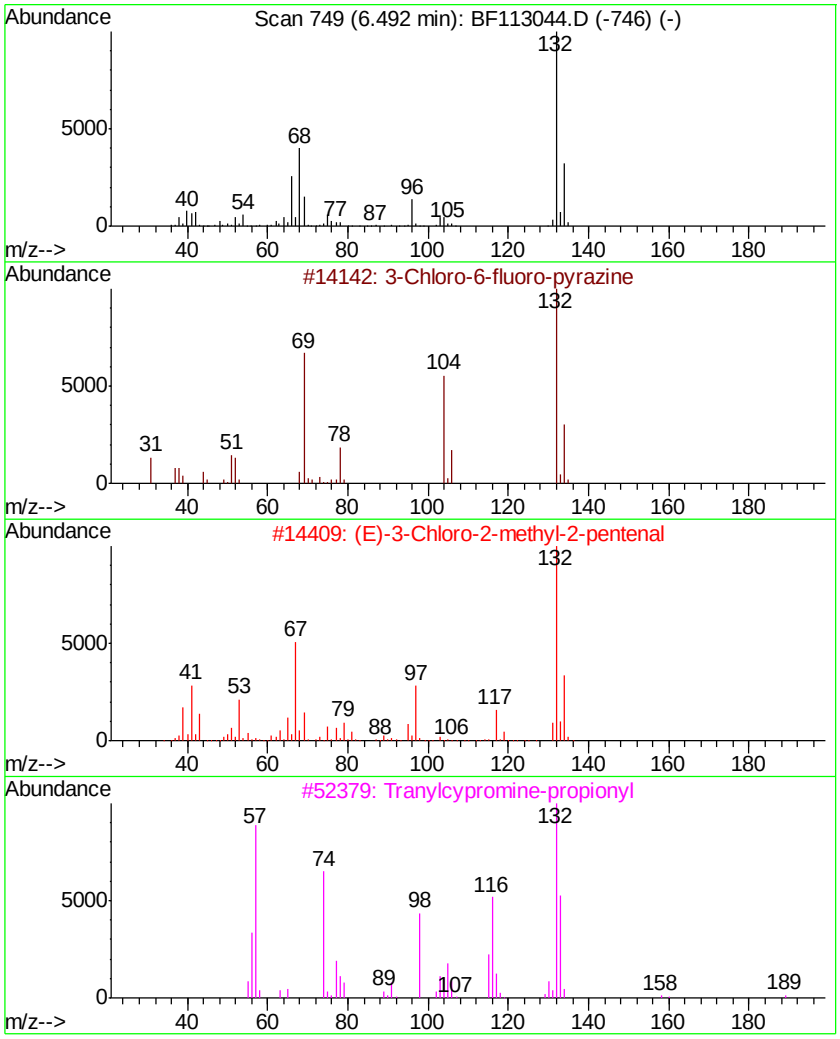
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

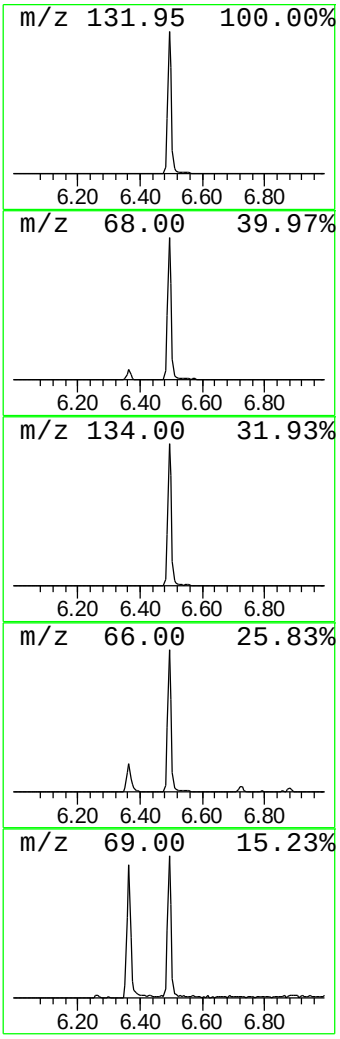
****

Peak Number 1 unknown6.49 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	14.20 ng	623568	1,4-Dichlorobenzene-d4	6.73

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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

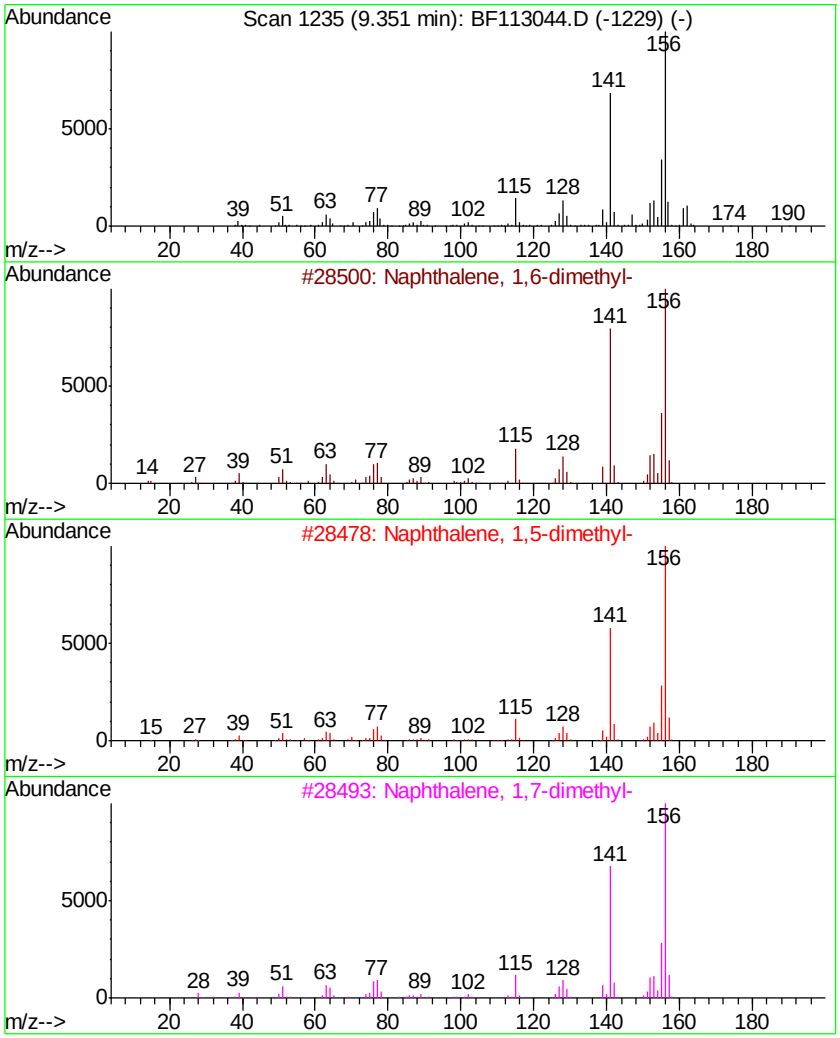
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

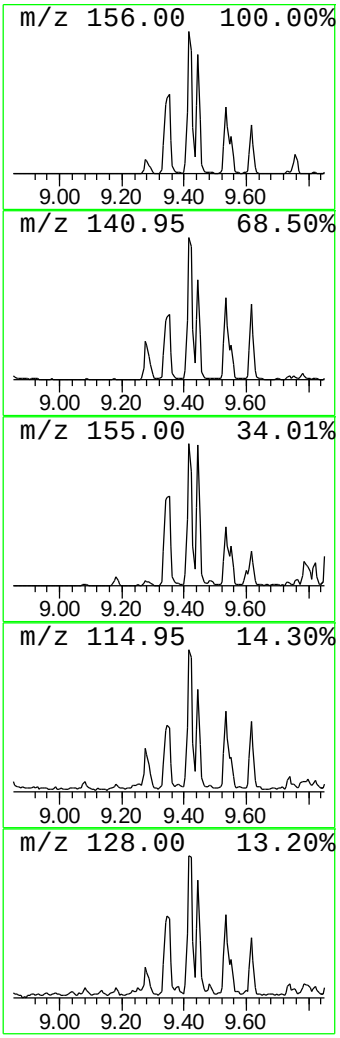
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	6.53 ng	621855	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

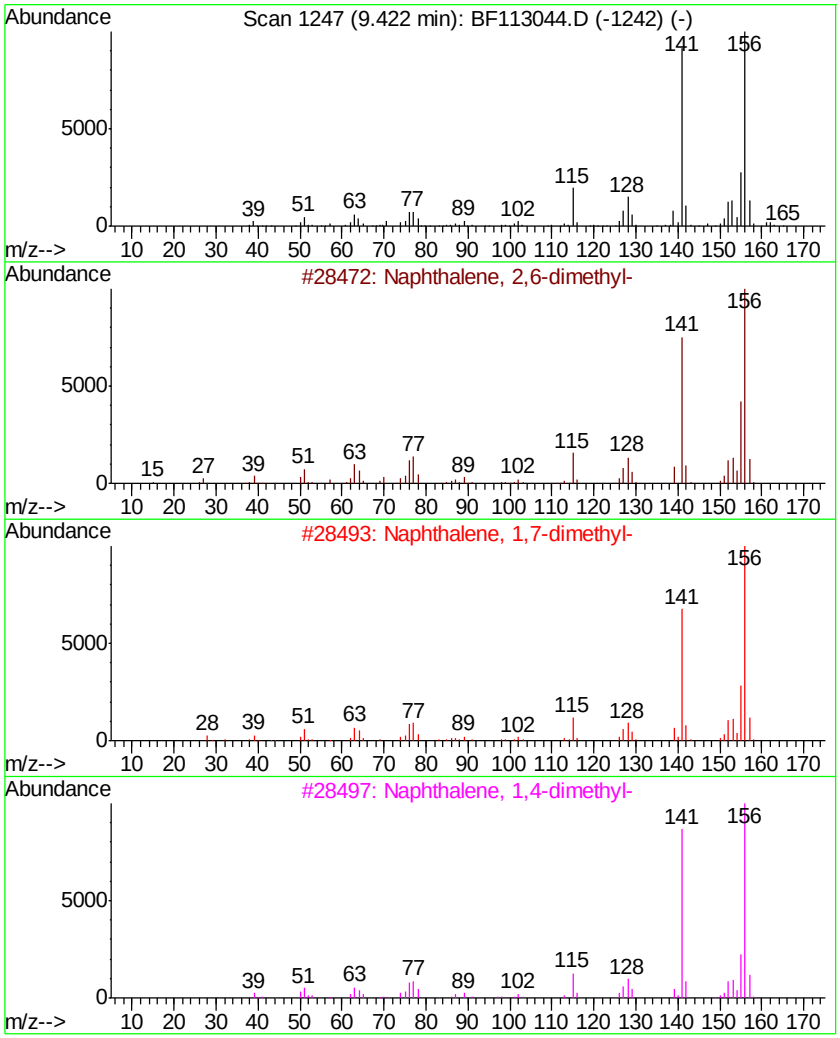
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

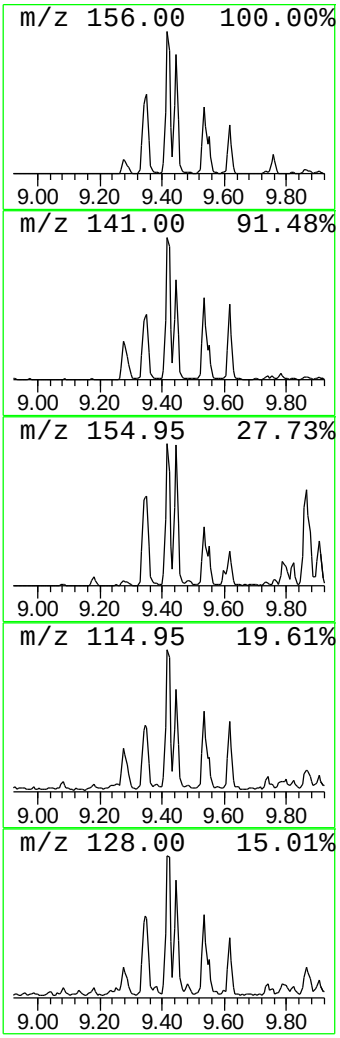
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	8.50 ng	808713	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

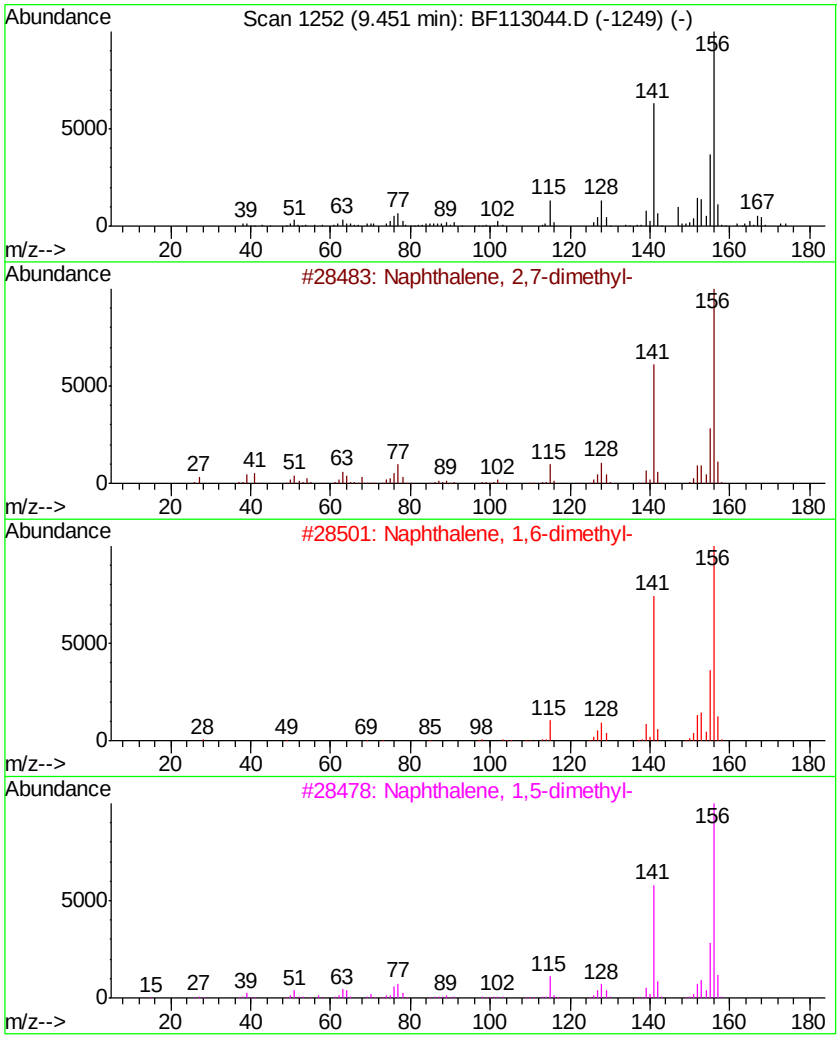
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

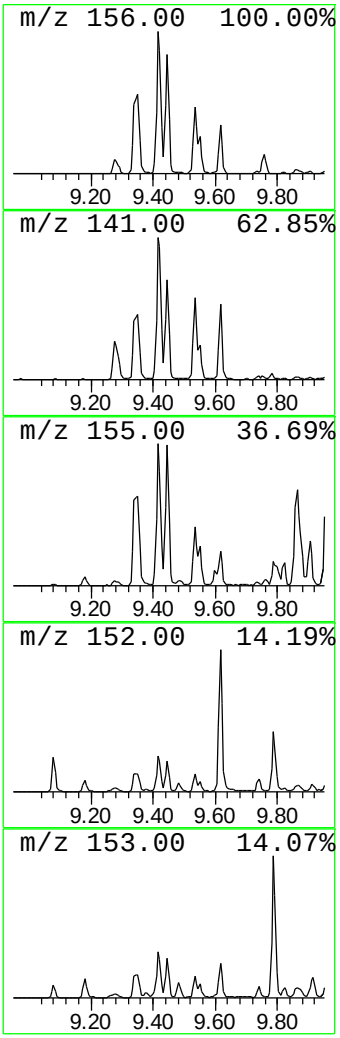
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	5.30 ng	504625	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

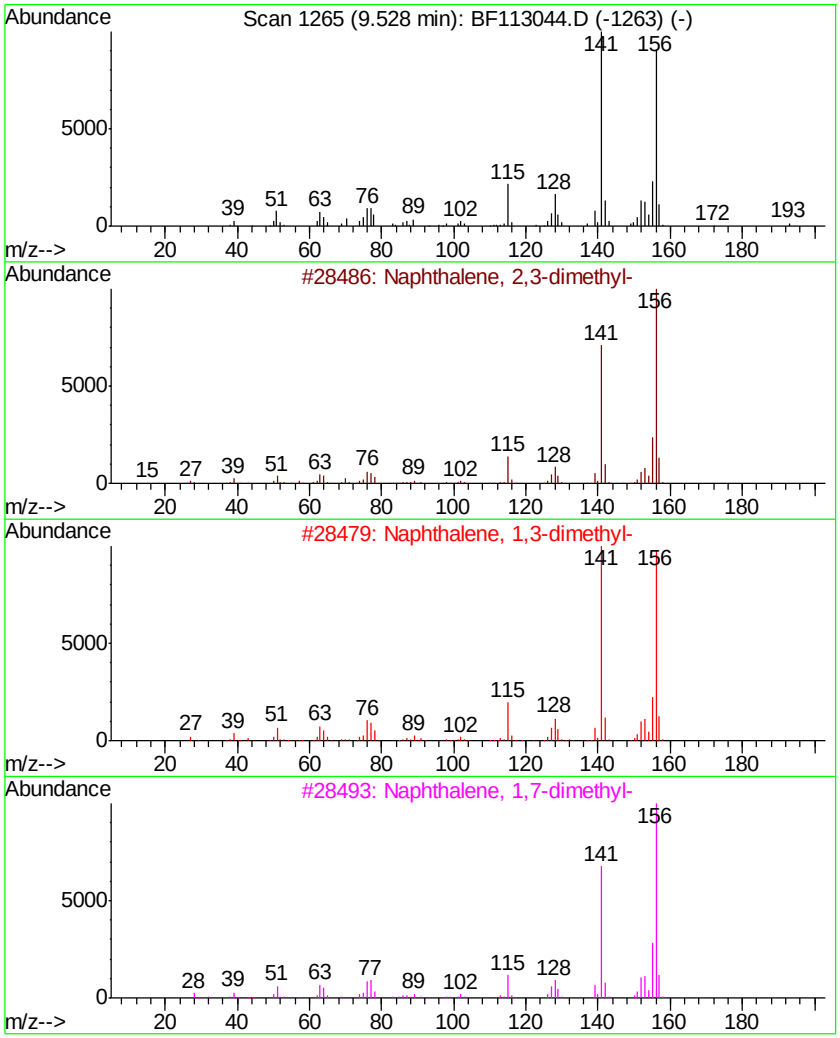
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

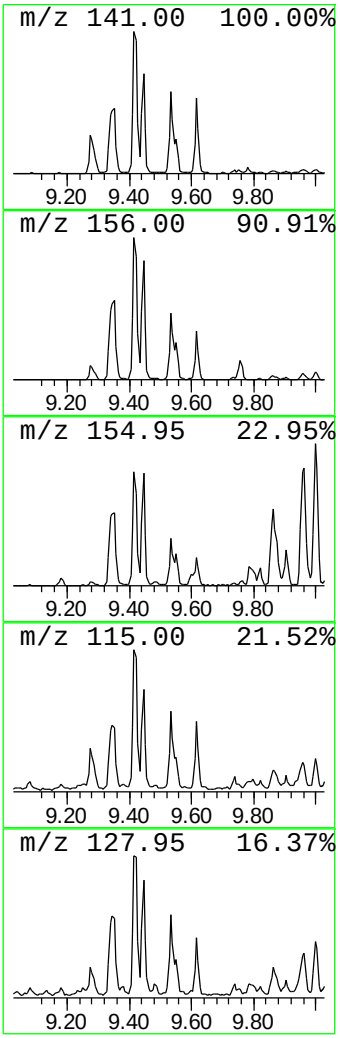
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	4.86 ng	462095	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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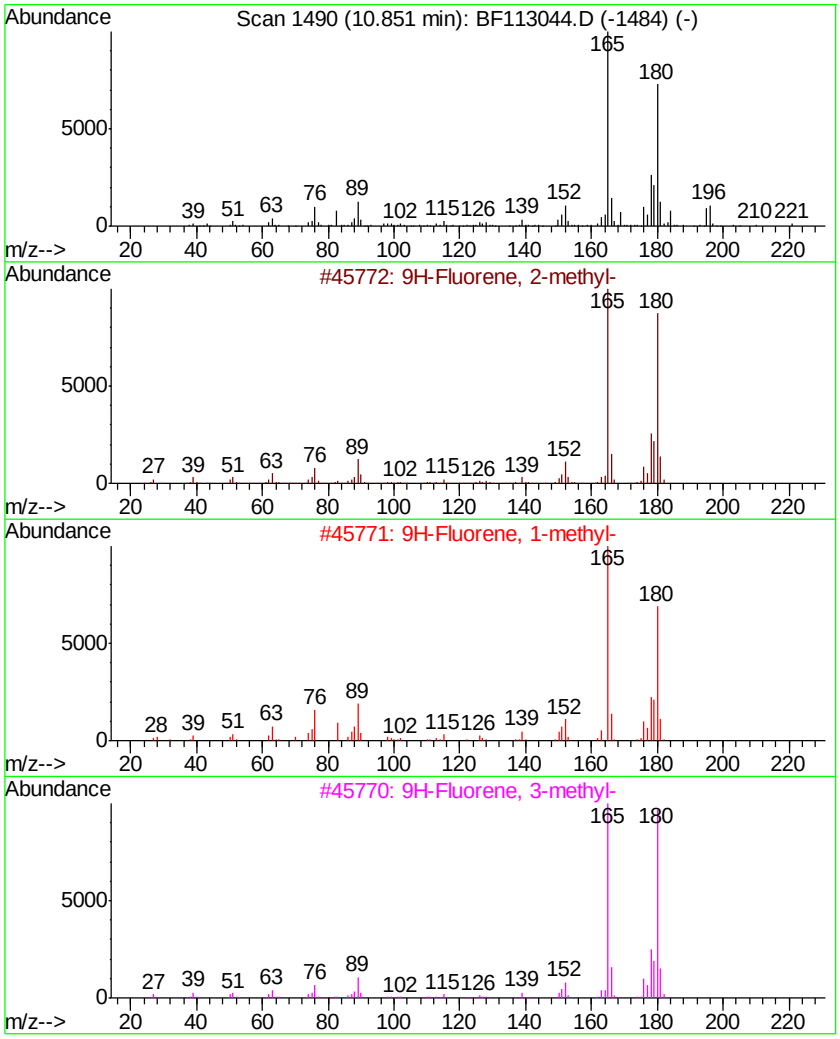
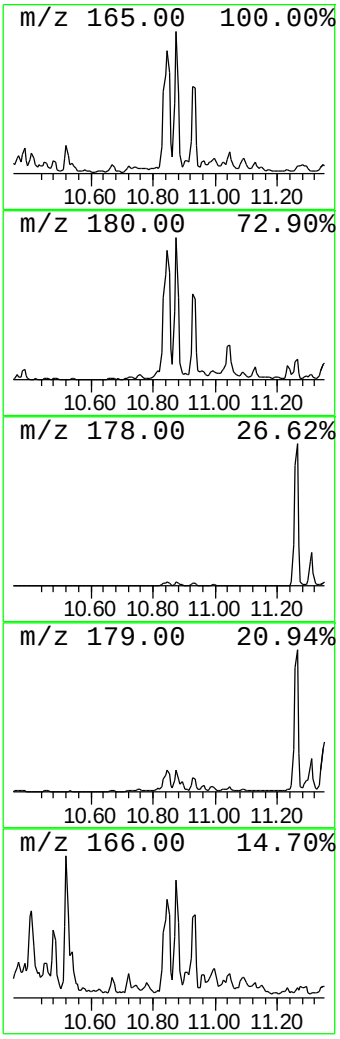
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	6.06 ng	507677	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	83





Library Search Compound Report

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Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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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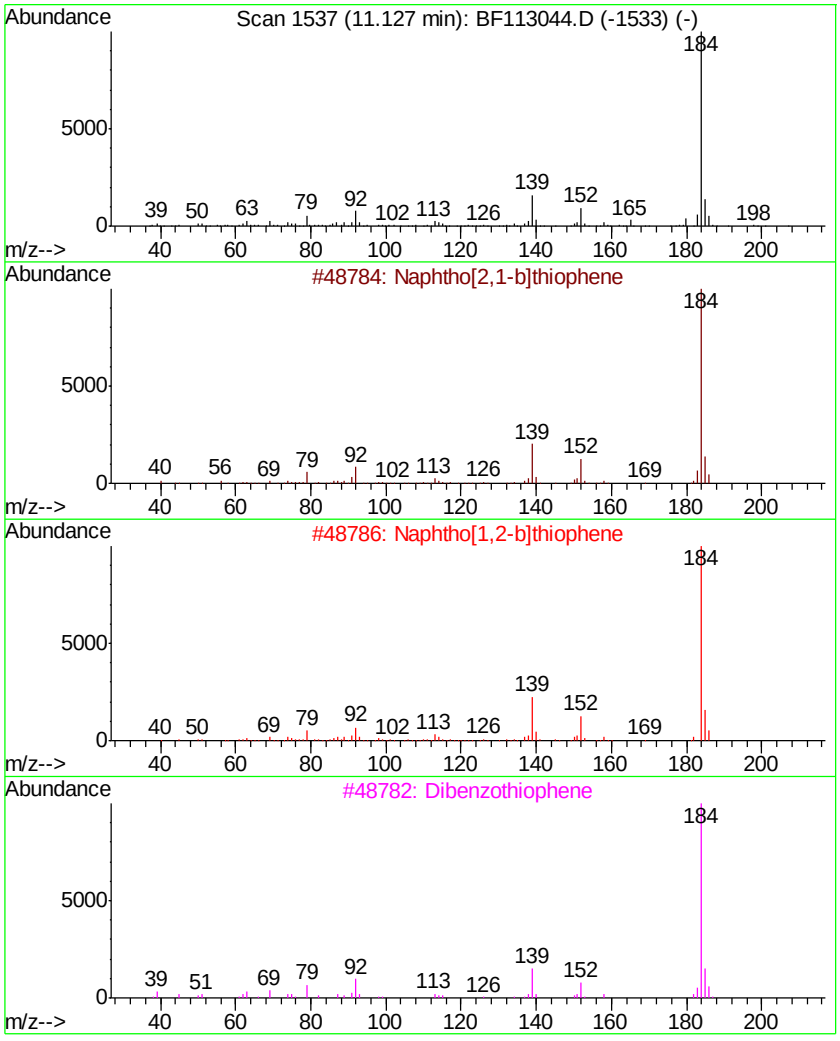
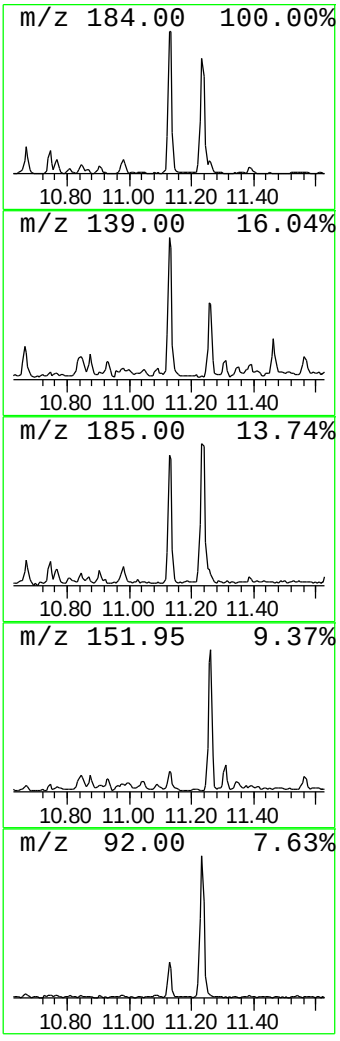
Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	5.40 ng	452515	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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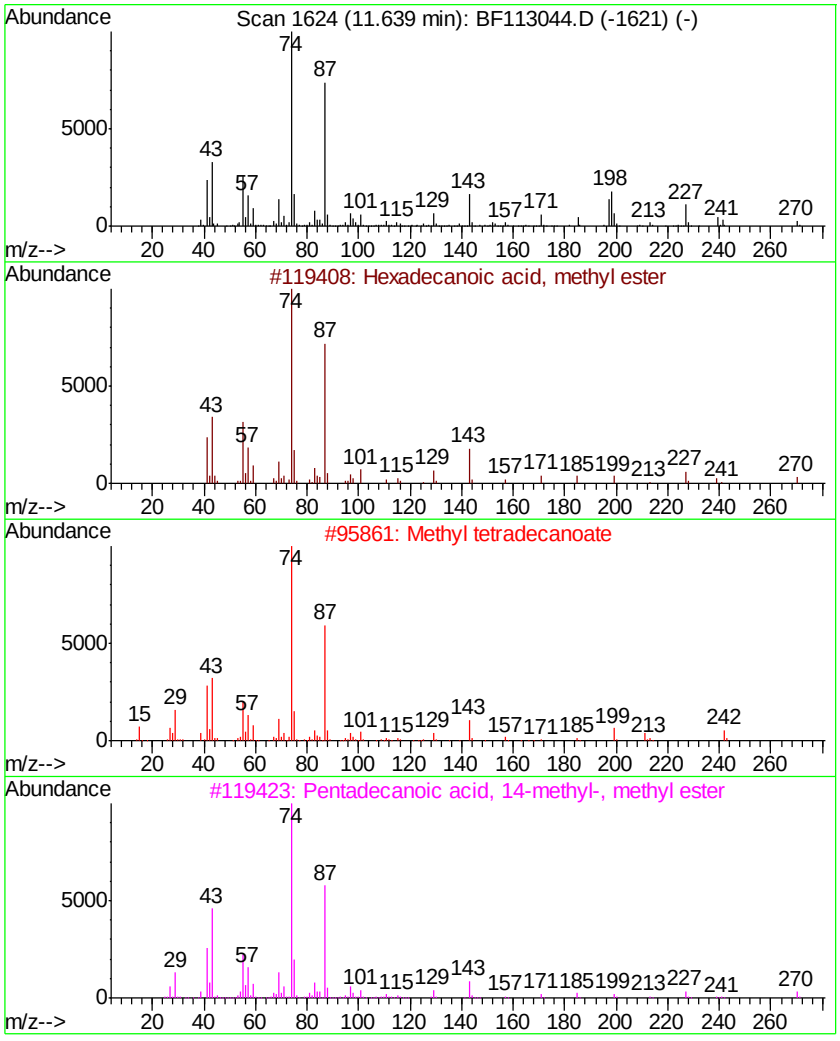
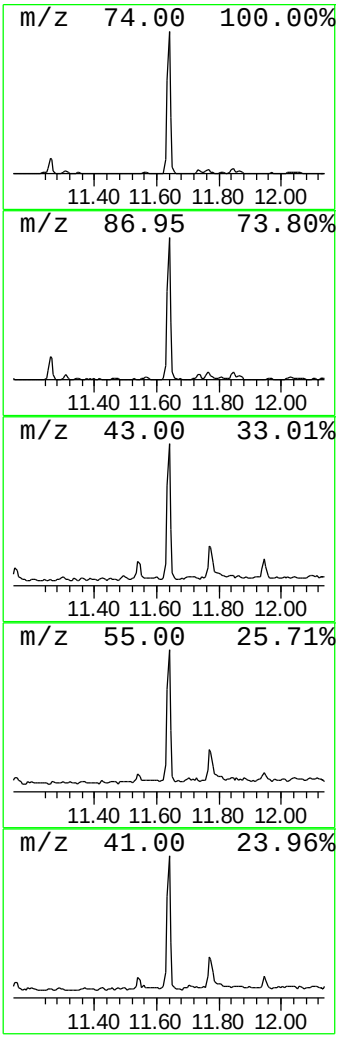
Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	10.60 ng	888807	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	90
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80





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Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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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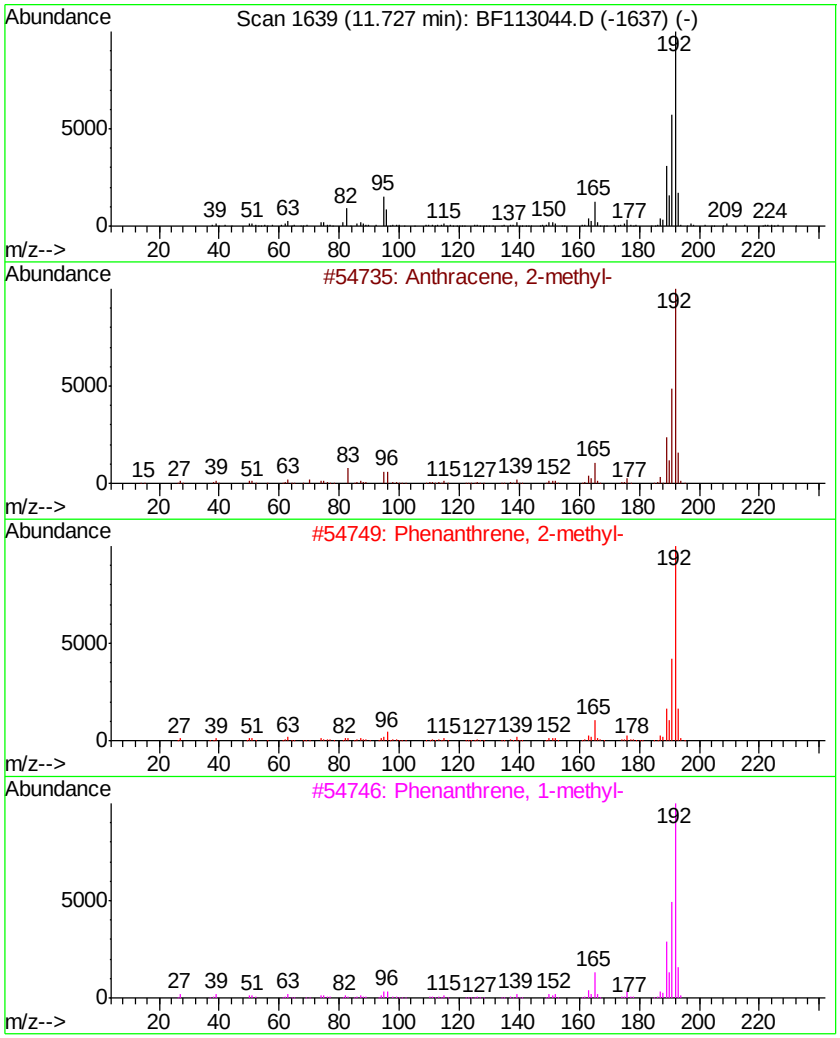
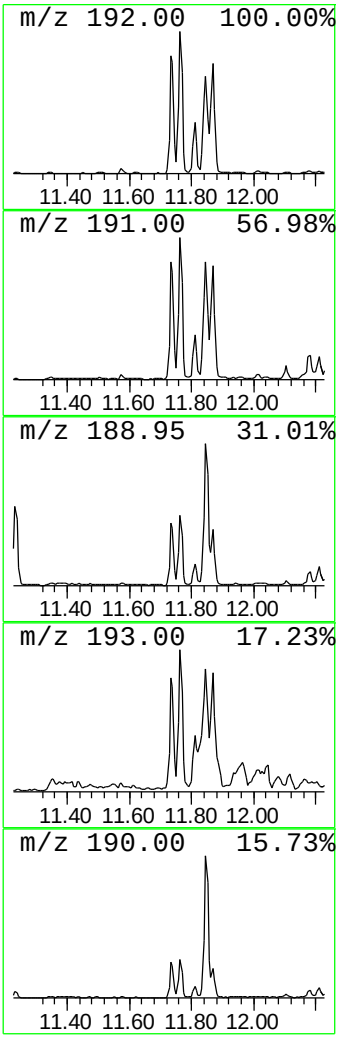
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	10.96 ng	918674	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Library Search Compound Report

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Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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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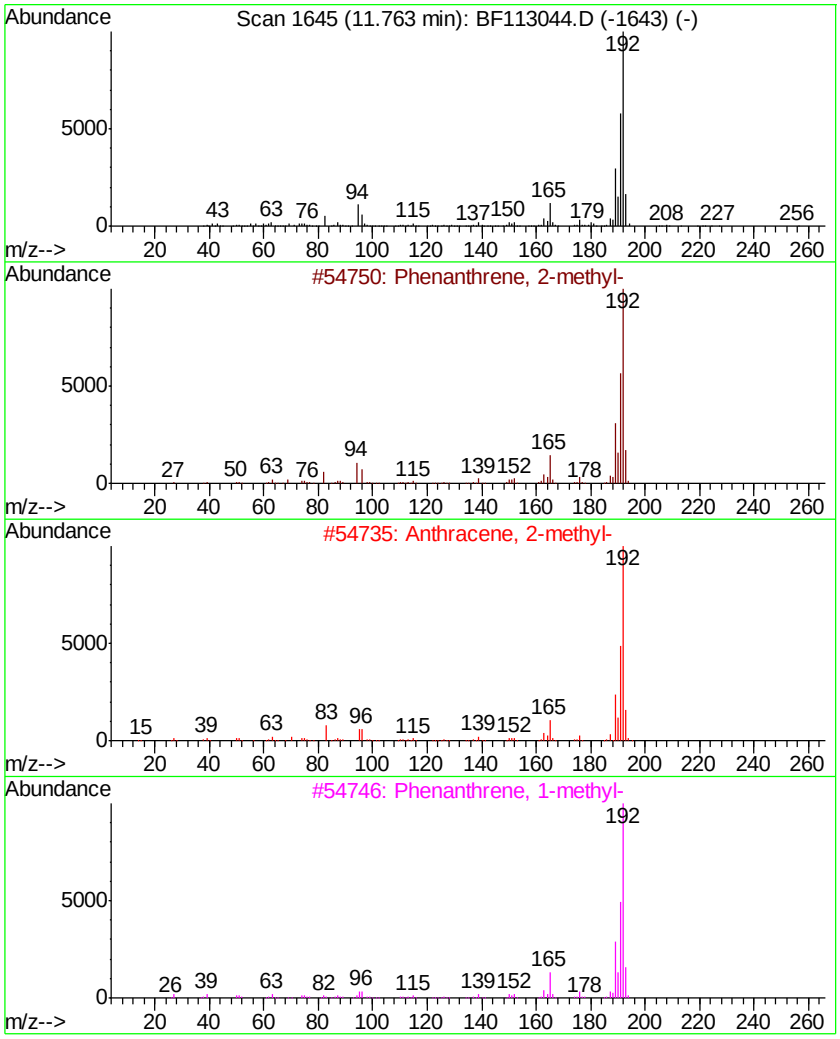
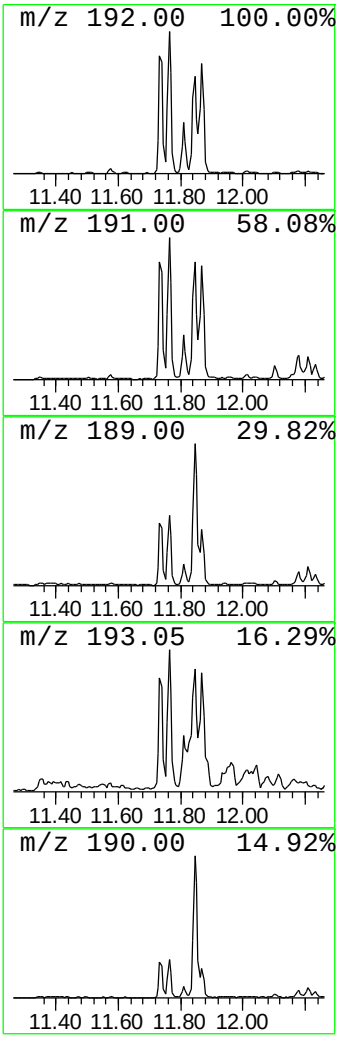
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	12.66 ng	1061260	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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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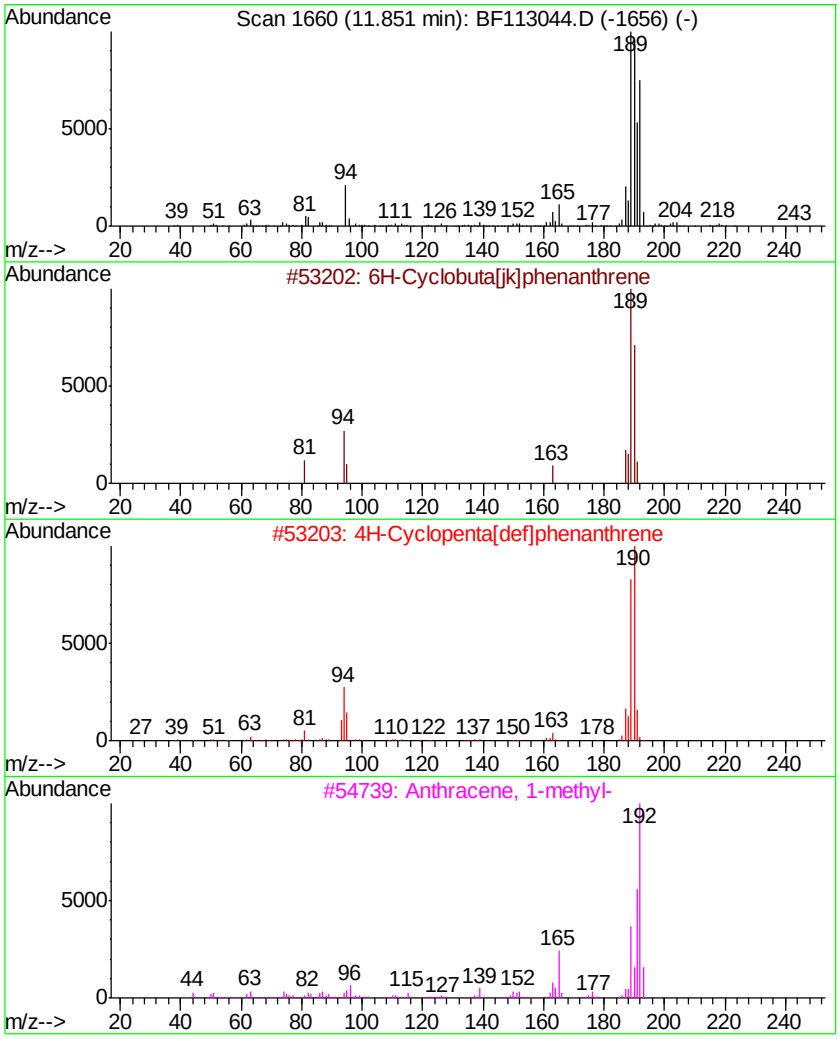
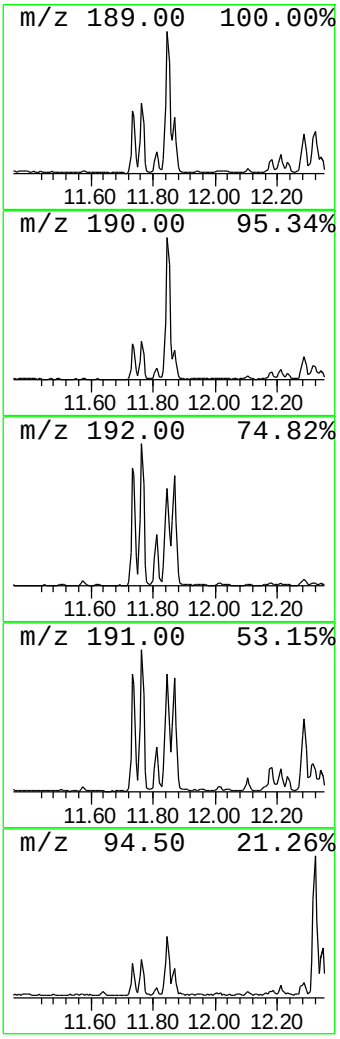
Peak Number 12 unknown11.85 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	14.95 ng	1253110	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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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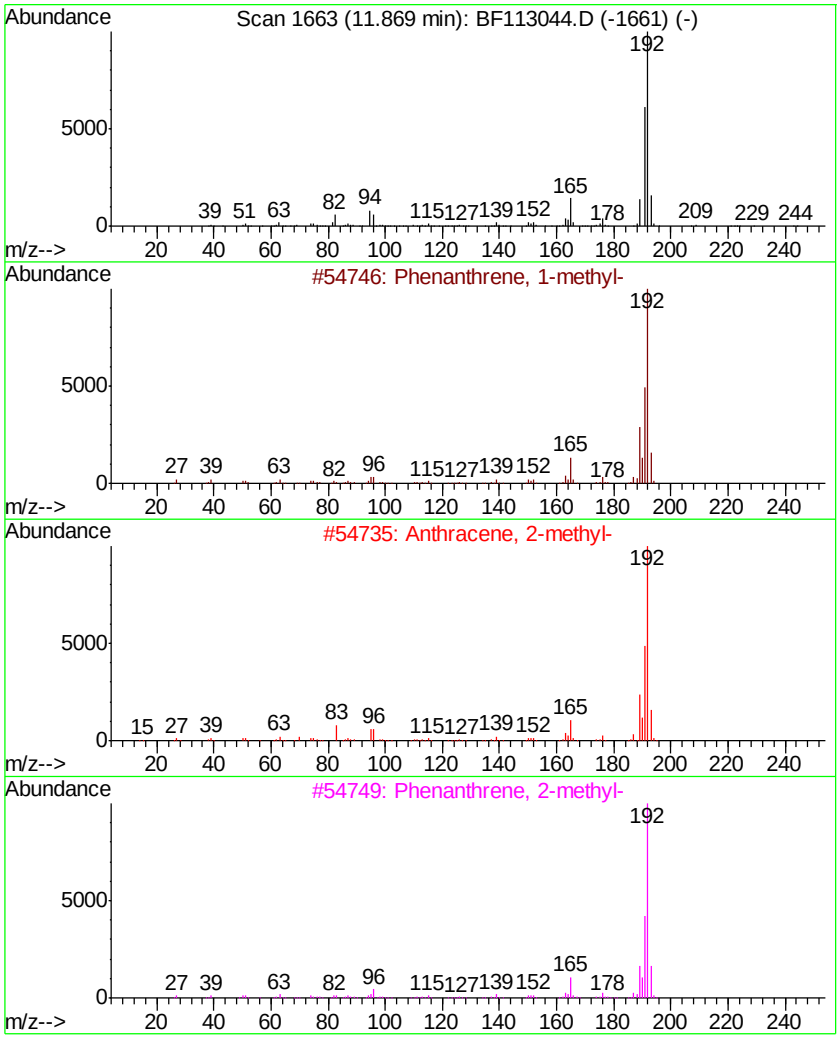
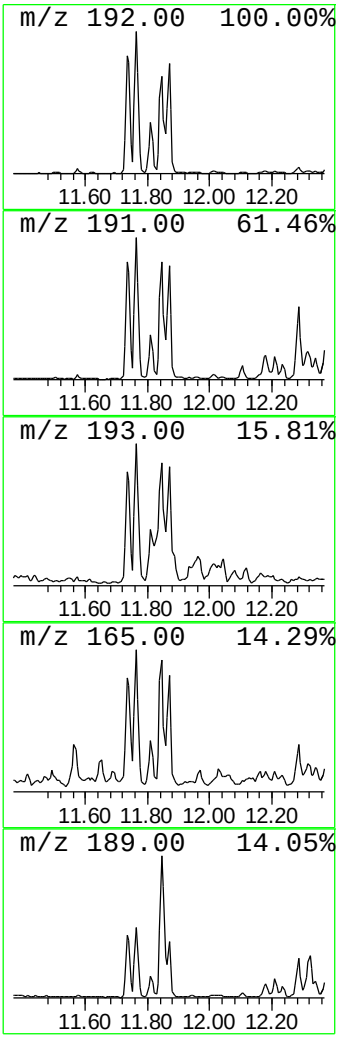
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	8.61 ng	722076	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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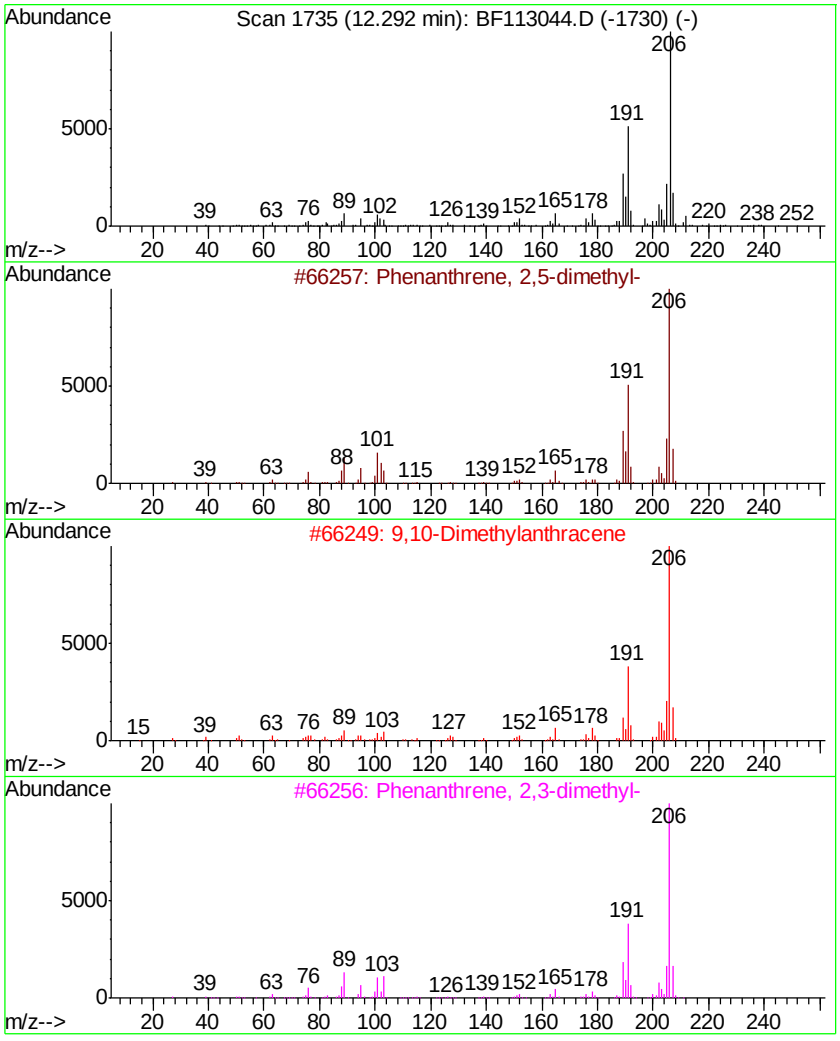
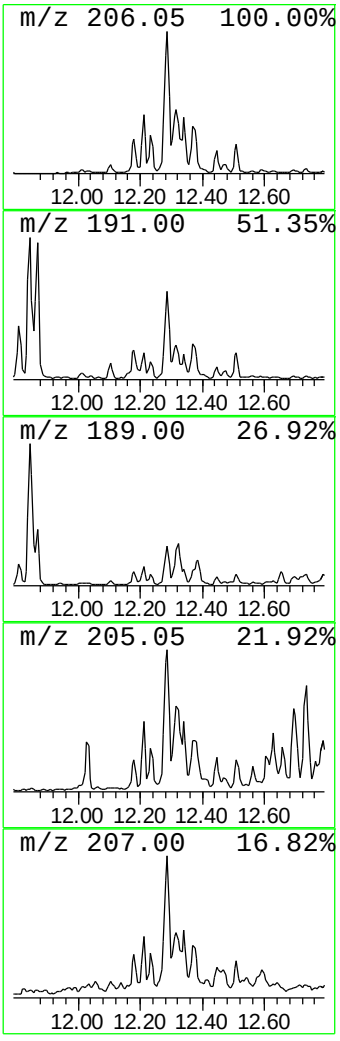
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	9.40 ng	788003	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





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Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

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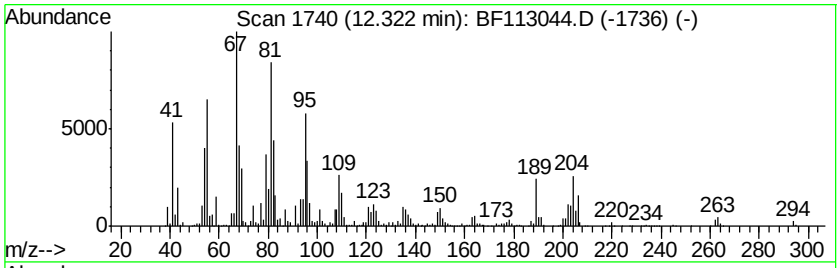
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

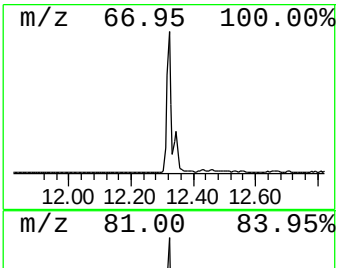
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	31.83 ng	2668550	Phenanthrene-d10	11.23

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	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99





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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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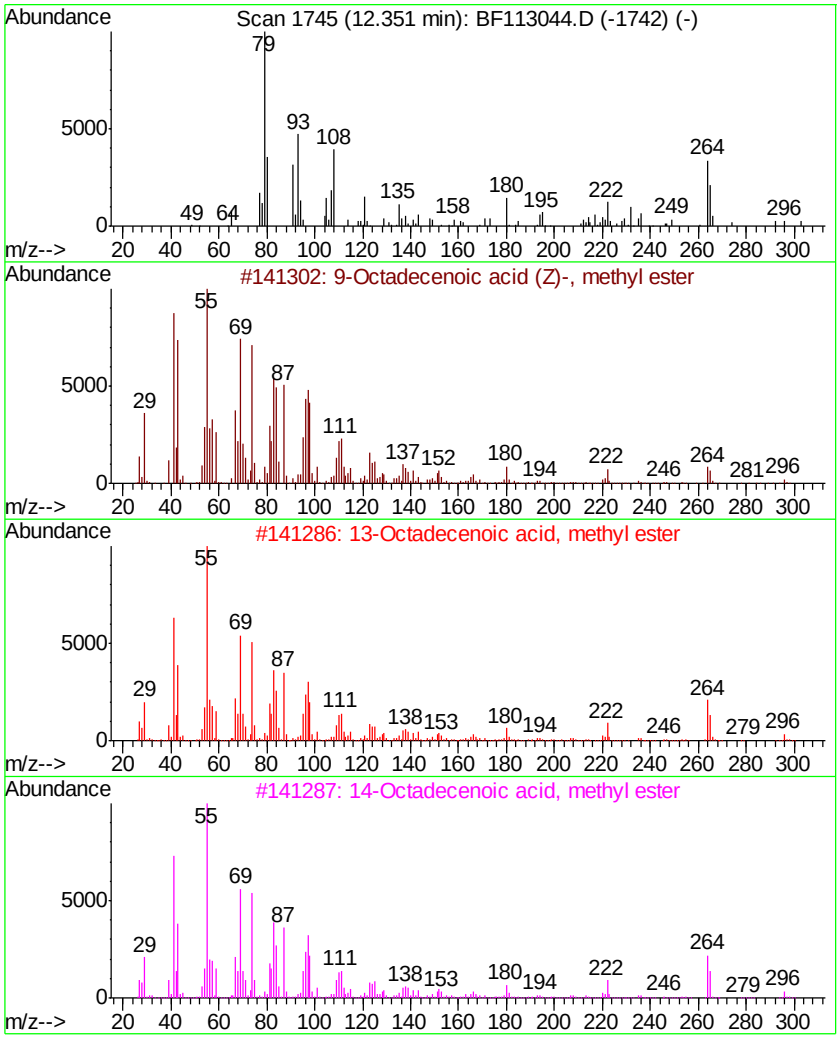
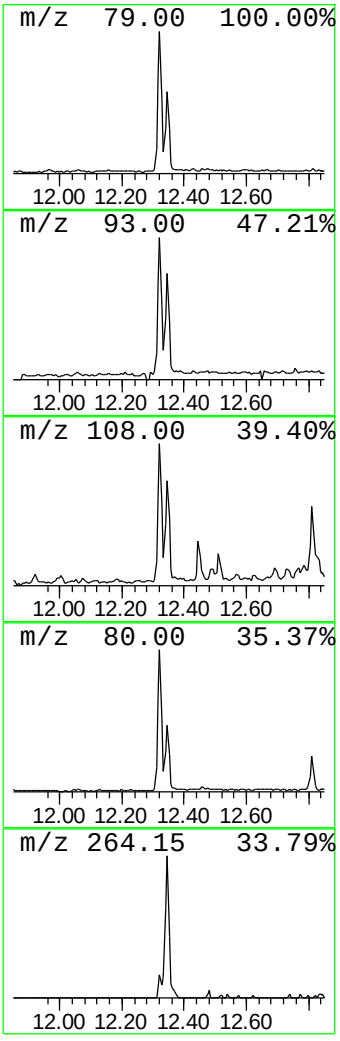
Peak Number 16 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	17.22 ng	1443940	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-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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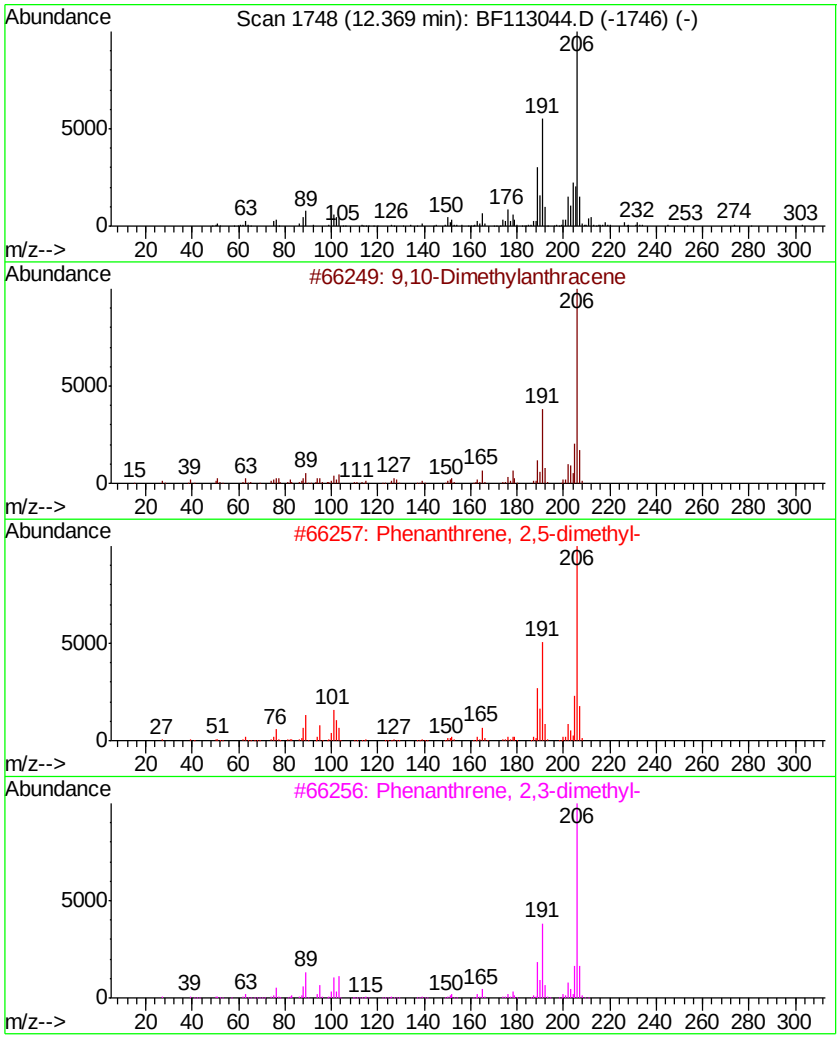
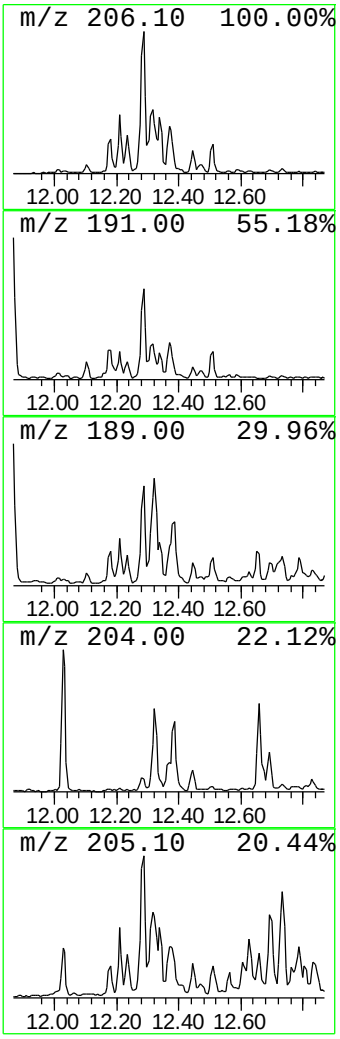
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	6.27 ng	525530	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	76





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Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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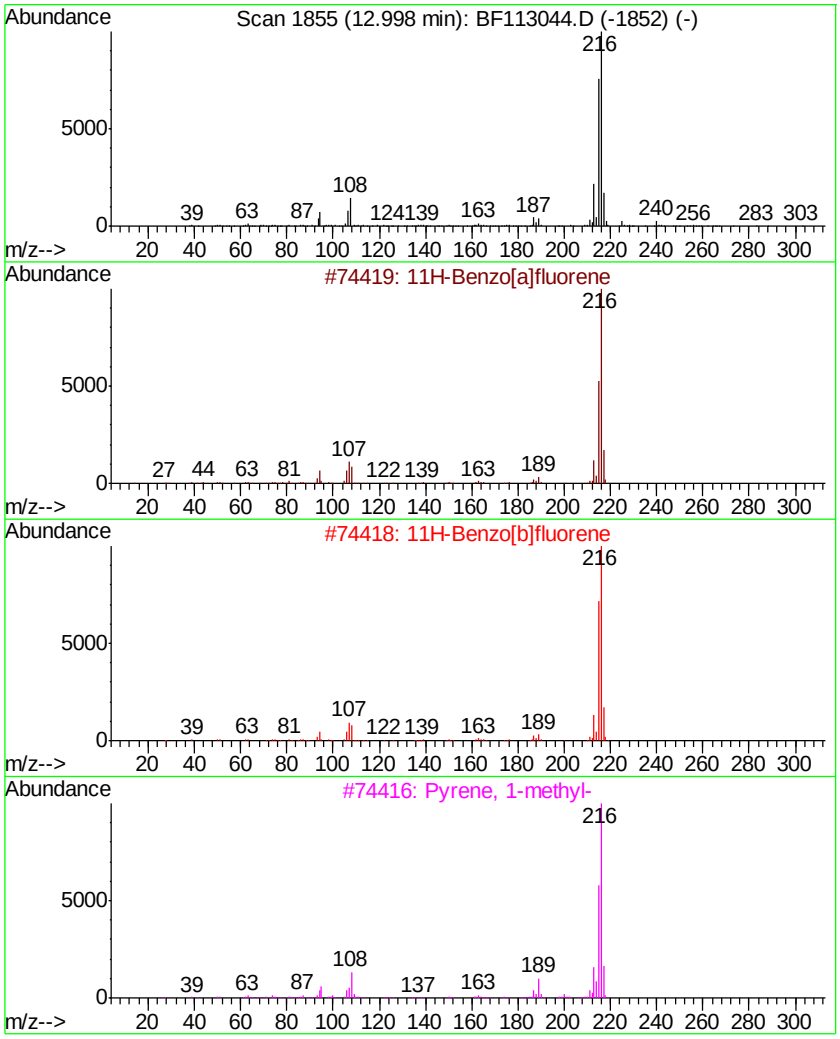
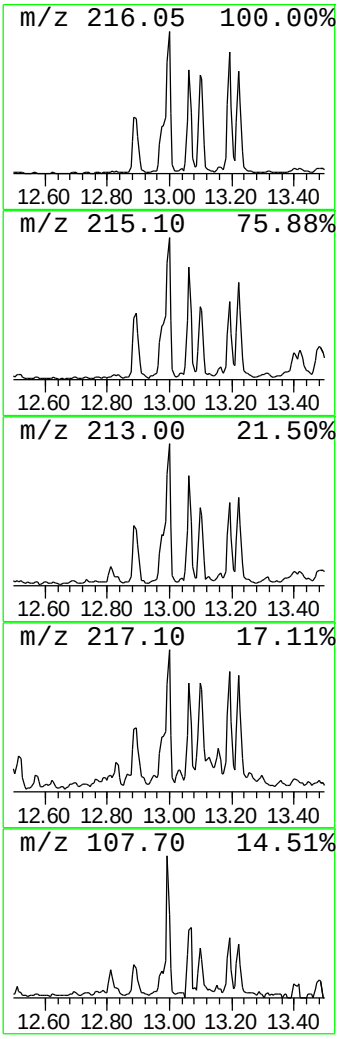
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	5.75 ng	691938	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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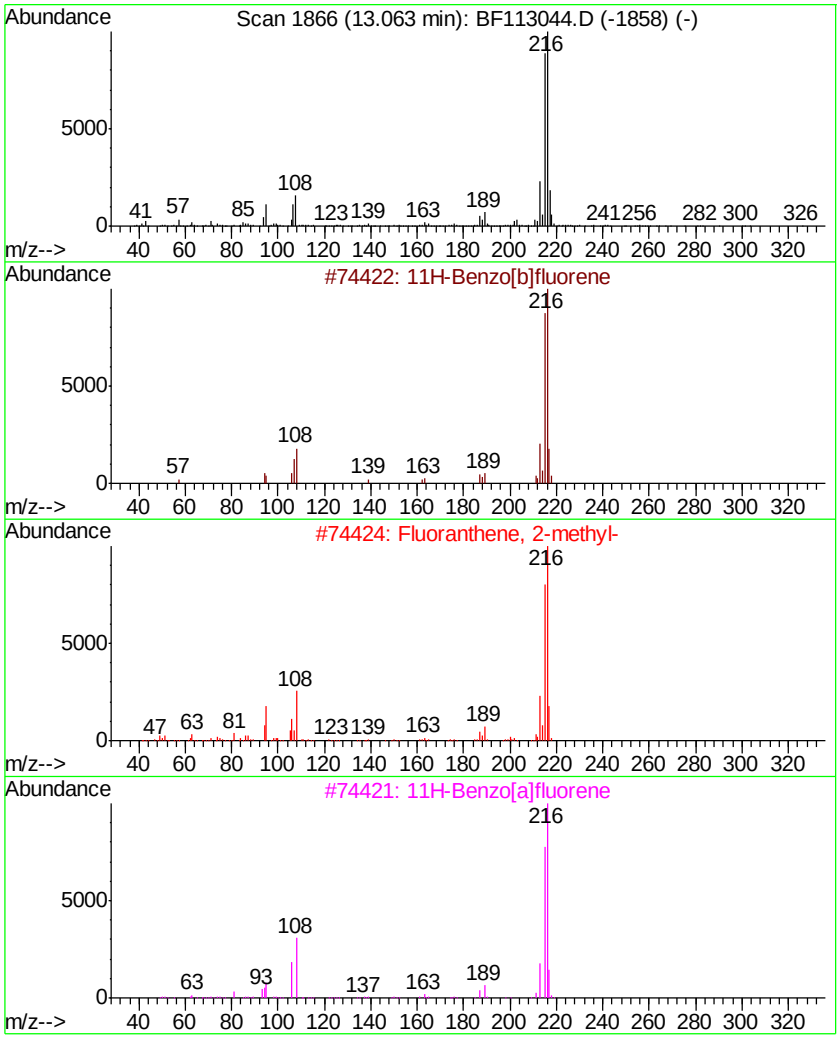
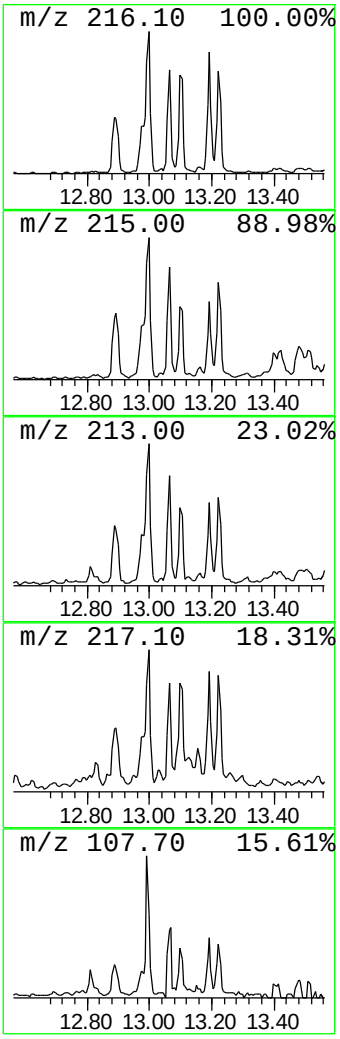
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	6.07 ng	730130	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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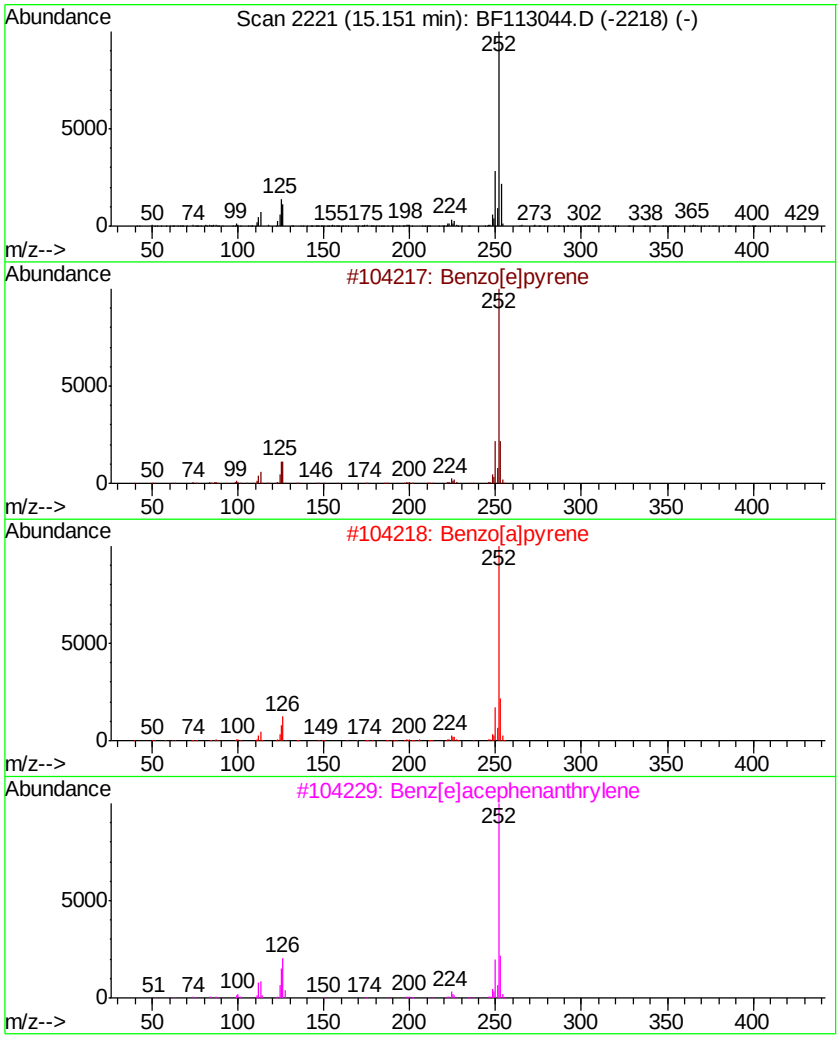
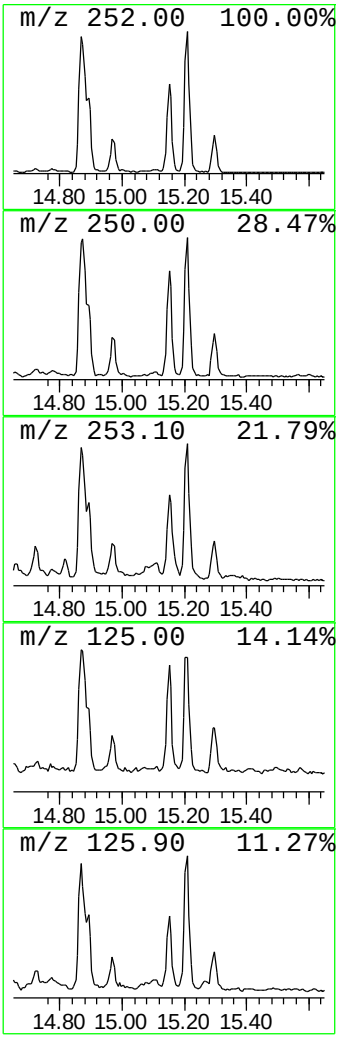
Peak Number 20 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	7.10 ng	419238	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	87
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031319\
Data File : BF113044.D
Acq On : 13 Mar 2019 22:42
Operator : JU/SJ
Sample : K1693-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-031219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.49	6.49	14.2	ng	623568	1	6.73	878375	20.0
Naphthalene, 1,6-...	9.35	6.5	ng	621855	3	9.76	1903530	20.0
Naphthalene, 2,6-...	9.42	8.5	ng	808713	3	9.76	1903530	20.0
Naphthalene, 2,7-...	9.45	5.3	ng	504625	3	9.76	1903530	20.0
Naphthalene, 2,3-...	9.53	4.9	ng	462095	3	9.76	1903530	20.0
9H-Fluorene, 2-me...	10.85	6.1	ng	507677	4	11.23	1676670	20.0
Naphtho[2,1-b]thi...	11.13	5.4	ng	452515	4	11.23	1676670	20.0
Hexadecanoic acid...	11.64	10.6	ng	888807	4	11.23	1676670	20.0
Anthracene, 2-met...	11.73	11.0	ng	918674	4	11.23	1676670	20.0
Phenanthrene, 2-m...	11.76	12.7	ng	1061260	4	11.23	1676670	20.0
unknown11.85	11.85	14.9	ng	1253110	4	11.23	1676670	20.0
Phenanthrene, 1-m...	11.87	8.6	ng	722076	4	11.23	1676670	20.0
Phenanthrene, 2,5...	12.29	9.4	ng	788003	4	11.23	1676670	20.0
9,12-Octadecadien...	12.32	31.8	ng	2668550	4	11.23	1676670	20.0
9-Octadecenoic ac...	12.35	17.2	ng	1443940	4	11.23	1676670	20.0
9,10-Dimethylanth...	12.37	6.3	ng	525530	4	11.23	1676670	20.0
11H-Benzo[a]fluorene	13.00	5.8	ng	691938	5	13.86	2406350	20.0
11H-Benzo[b]fluorene	13.06	6.1	ng	730130	5	13.86	2406350	20.0
Benzo[e]pyrene	15.15	7.1	ng	419238	6	15.27	1181750	20.0