LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119300.D
Acq On : 9 Mar 2020 23:26
Operator : CG/JU
Sample : L1844-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

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-BF022020.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	4.922	474	482	496	rVV2	122134	213475	7.59%	0.481%
2	5.304	542	547	552	rBV2	52753	76483	2.72%	0.172%
3	5.351	552	555	575	rVV	1374850	1823112	64.86%	4.104%
4	5.563	588	591	595	rBV	76727	80999	2.88%	0.182%
5	6.381	726	730	747	rBV	1559602	1876594	66.76%	4.225%
6	6.551	756	759	762	rBV2	89571	101231	3.60%	0.228%
7	6.722	785	788	796	rBV	584668	553585	19.69%	1.246%
8	6.881	811	815	824	rBV	1853835	1708689	60.79%	3.847%
9	7.286	881	884	889	rBV	1189224	1190004	42.34%	2.679%
10	8.004	1000	1006	1008	rBV	809186	717563	25.53%	1.615%
11	8.028	1008	1010	1015	rVB	187216	183255	6.52%	0.413%
12	8.716	1125	1127	1135	rVB	247259	234835	8.35%	0.529%
13	8.816	1141	1144	1147	rBV	247981	214769	7.64%	0.483%
14	9.080	1184	1189	1192	rBV	2790249	2459437	87.50%	5.537%
15	9.198	1205	1209	1217	rVB2	101600	131370	4.67%	0.296%
16	9.345	1231	1234	1238	rBV2	89864	128098	4.56%	0.288%
17	9.416	1243	1246	1249	rBV	180549	194820	6.93%	0.439%
18	9.445	1249	1251	1253	rVV	158207	143484	5.10%	0.323%
19	9.474	1253	1256	1263	rVV	491526	483910	17.22%	1.089%
20	9.533	1263	1266	1274	rVV	109927	151648	5.40%	0.341%
21	9.622	1278	1281	1285	rVB	138205	133936	4.76%	0.302%
22	9.757	1298	1304	1307	rBV	984264	900816	32.05%	2.028%
23	9.963	1333	1339	1343	rBV2	147424	165767	5.90%	0.373%
24	10.074	1355	1358	1361	rBV	83148	82781	2.95%	0.186%
25	10.163	1369	1373	1375	rBV3	99914	123016	4.38%	0.277%
26	10.186	1375	1377	1380	rVB2	109759	84872	3.02%	0.191%
27	10.298	1391	1396	1403	rBV2	166234	211890	7.54%	0.477%
28	10.463	1420	1424	1427	rVB	98305	94309	3.36%	0.212%
29	10.551	1435	1439	1450	rVB	1539235	1699310	60.46%	3.825%
30	10.674	1455	1460	1466	rVB	188931	256925	9.14%	0.578%
31	10.857	1480	1491	1493	rBV4	72088	132710	4.72%	0.299%
32	10.980	1507	1512	1514	rBV2	140864	179552	6.39%	0.404%
33	10.998	1514	1515	1518	rVV2	96626	103171	3.67%	0.232%
34	11.057	1521	1525	1528	rVV2	83078	112190	3.99%	0.253%

LSC Area Percent Report

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Sample : L1844-02
Misc :
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Instrument : BNA_F
ClientSampleId : GP-15-030520

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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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.104	1528	1533	1536	rVV3	129112	227728	8.10%	0.513%
36	11.139	1536	1539	1545	rVB3	84942	108004	3.84%	0.243%
37	11.239	1553	1556	1559	rBV	901432	931326	33.13%	2.097%
38	11.263	1559	1560	1564	rVV	684463	553062	19.68%	1.245%
39	11.321	1567	1570	1573	rVV	310378	326506	11.62%	0.735%
40	11.345	1573	1574	1581	rVV2	70696	126700	4.51%	0.285%
41	11.492	1593	1599	1603	rBV6	110619	233046	8.29%	0.525%
42	11.533	1603	1606	1609	rVV	139383	128898	4.59%	0.290%
43	11.745	1639	1642	1644	rBV	269653	239739	8.53%	0.540%
44	11.774	1644	1647	1650	rVV	541704	492220	17.51%	1.108%
45	11.821	1652	1655	1657	rVV	253710	218768	7.78%	0.492%
46	11.857	1657	1661	1663	rVV2	483576	528136	18.79%	1.189%
47	11.880	1663	1665	1670	rVB	221892	193497	6.88%	0.436%
48	11.939	1670	1675	1679	rBV4	79516	94081	3.35%	0.212%
49	12.033	1688	1691	1697	rVB	251965	253672	9.02%	0.571%
50	12.186	1712	1717	1720	rBV	139120	163558	5.82%	0.368%
51	12.221	1720	1723	1725	rVV	132469	123216	4.38%	0.277%
52	12.245	1725	1727	1731	rVB	106000	88096	3.13%	0.198%
53	12.292	1731	1735	1738	rBV	325821	341364	12.14%	0.768%
54	12.327	1738	1741	1744	rVV2	206295	283569	10.09%	0.638%
55	12.351	1744	1745	1747	rVV	130147	78317	2.79%	0.176%
56	12.392	1747	1752	1759	rVB2	215954	306027	10.89%	0.689%
57	12.457	1759	1763	1767	rBV	2814348	2810851	100.00%	6.328%
58	12.521	1772	1774	1777	rVB2	103821	93543	3.33%	0.211%
59	12.557	1777	1780	1785	rBV3	80303	132135	4.70%	0.297%
60	12.604	1785	1788	1791	rVB	122688	117860	4.19%	0.265%
61	12.686	1796	1802	1808	rVB2	2193490	2767280	98.45%	6.230%
62	12.733	1808	1810	1816	rVB2	188209	239679	8.53%	0.540%
63	12.821	1818	1825	1829	rBV	2629161	2498276	88.88%	5.624%
64	12.910	1835	1840	1845	rBV4	256949	483135	17.19%	1.088%
65	12.992	1850	1854	1855	rVV2	195005	226998	8.08%	0.511%
66	13.015	1855	1858	1861	rVB	540539	504656	17.95%	1.136%
67	13.051	1861	1864	1866	rBV4	76915	87343	3.11%	0.197%
68	13.080	1866	1869	1871	rVV	314891	267097	9.50%	0.601%
69	13.115	1871	1875	1882	rVV3	357005	576933	20.53%	1.299%
70	13.174	1882	1885	1888	rVB2	127245	125633	4.47%	0.283%
71	13.210	1888	1891	1894	rBV	176195	165460	5.89%	0.372%

LSC Area Percent Report

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Sample : L1844-02
Misc :
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Instrument : BNA_F
ClientSampleId : GP-15-030520

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	13.245	1894	1897	1900	rBV3	165152	194355	6.91%	0.438%
73	13.392	1919	1922	1924	rBV	123362	121577	4.33%	0.274%
74	13.533	1942	1946	1948	rBV	274200	264849	9.42%	0.596%
75	13.639	1959	1964	1965	rBV2	224941	259512	9.23%	0.584%
76	13.657	1965	1967	1970	rVB	208940	162069	5.77%	0.365%
77	13.686	1970	1972	1974	rBV	140723	128446	4.57%	0.289%
78	13.739	1979	1981	1987	rVB2	304672	365474	13.00%	0.823%
79	13.874	1998	2004	2008	rBV2	1271154	1944337	69.17%	4.377%
80	13.910	2008	2010	2014	rVV	1016437	914462	32.53%	2.059%
81	13.992	2021	2024	2027	rVB	153825	152476	5.42%	0.343%
82	14.033	2027	2031	2038	rBV5	128057	275372	9.80%	0.620%
83	14.274	2067	2072	2075	rVV	246432	303200	10.79%	0.683%
84	14.304	2075	2077	2080	rVB	116090	96030	3.42%	0.216%
85	14.339	2080	2083	2087	rBV4	201856	233322	8.30%	0.525%
86	14.398	2090	2093	2095	rVV2	97655	104529	3.72%	0.235%
87	14.598	2123	2127	2129	rBV2	152275	167768	5.97%	0.378%
88	14.633	2130	2133	2138	rVB2	149117	165493	5.89%	0.373%
89	14.762	2151	2155	2158	rBV2	111700	138719	4.94%	0.312%
90	14.909	2175	2180	2183	rBV	761825	1154470	41.07%	2.599%
91	15.015	2194	2198	2202	rVB	141074	163118	5.80%	0.367%
92	15.104	2208	2213	2216	rBV3	67174	127631	4.54%	0.287%
93	15.192	2225	2228	2235	rVB	353732	441967	15.72%	0.995%
94	15.256	2235	2239	2243	rVV	498427	574157	20.43%	1.293%
95	15.309	2243	2248	2252	rVV	581231	777652	27.67%	1.751%
96	15.345	2252	2254	2261	rVB2	120970	183251	6.52%	0.413%
97	15.704	2311	2315	2320	rBV	75182	125868	4.48%	0.283%
98	16.721	2480	2488	2496	rBV3	206635	456686	16.25%	1.028%
99	16.886	2511	2516	2521	rVB	42529	76248	2.71%	0.172%
100	17.150	2555	2561	2573	rBV	111353	263457	9.37%	0.593%

Sum of corrected areas: 44421510

LSC Report - Integrated Chromatogram

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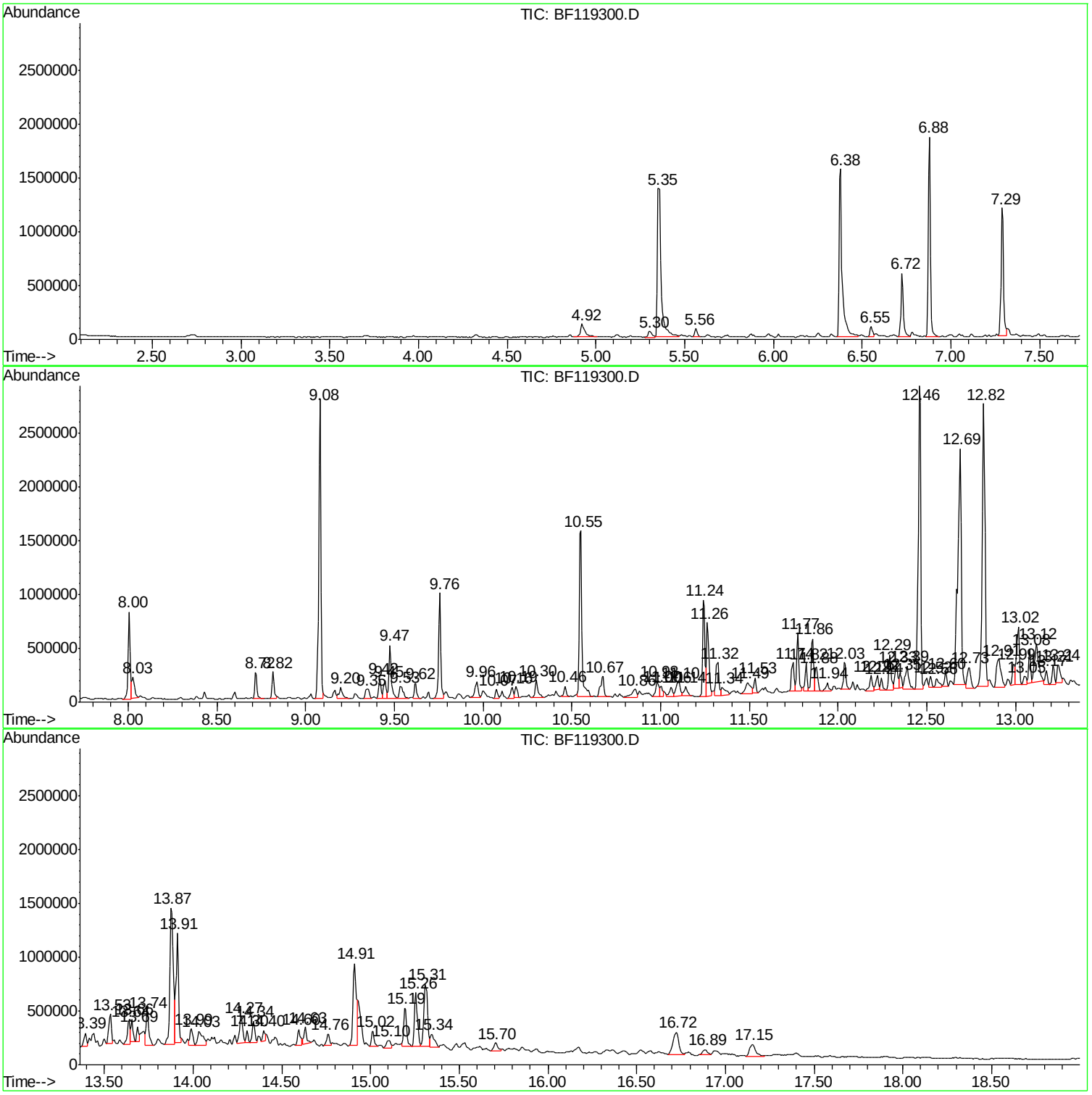
Operator : CG/JU
Sample : L1844-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF030920\
Data File : BF119300.D
Acq On : 9 Mar 2020 23:26
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Instrument : BNA_F
ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
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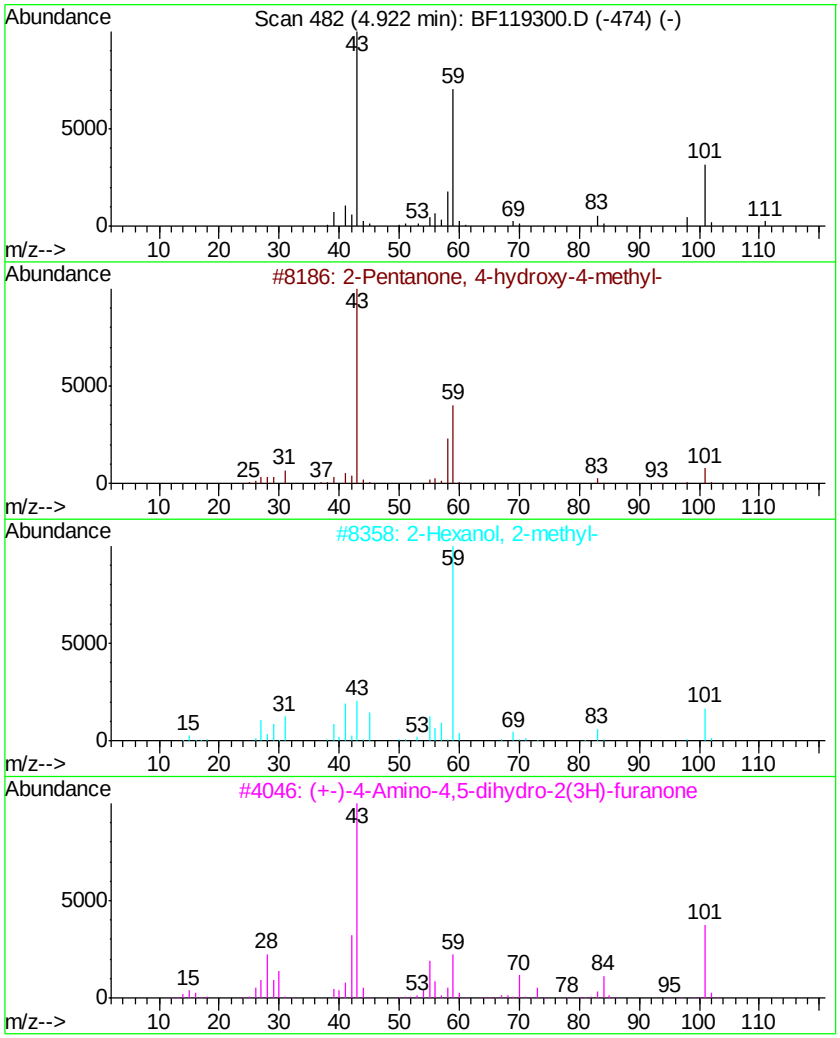
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

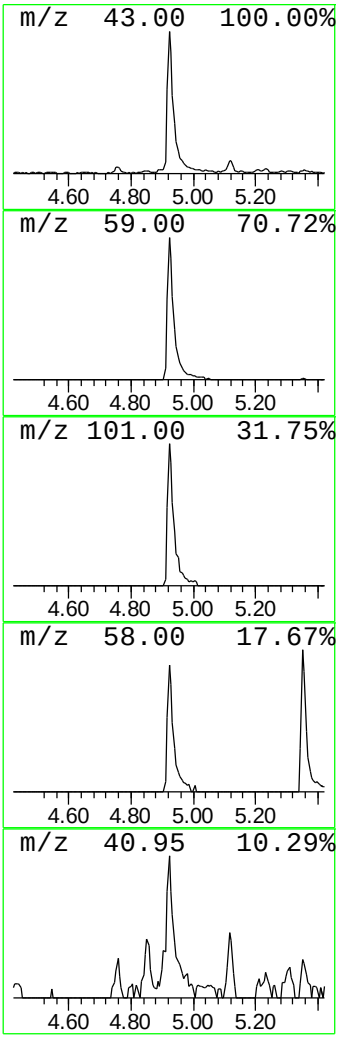
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	7.71 ng	213475	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	50
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
4	2-Acetoxyisobutyryl chloride	164	C6H9ClO3	040635-66-3	45
5	Guanidine	59	CH5N3	000113-00-8	43





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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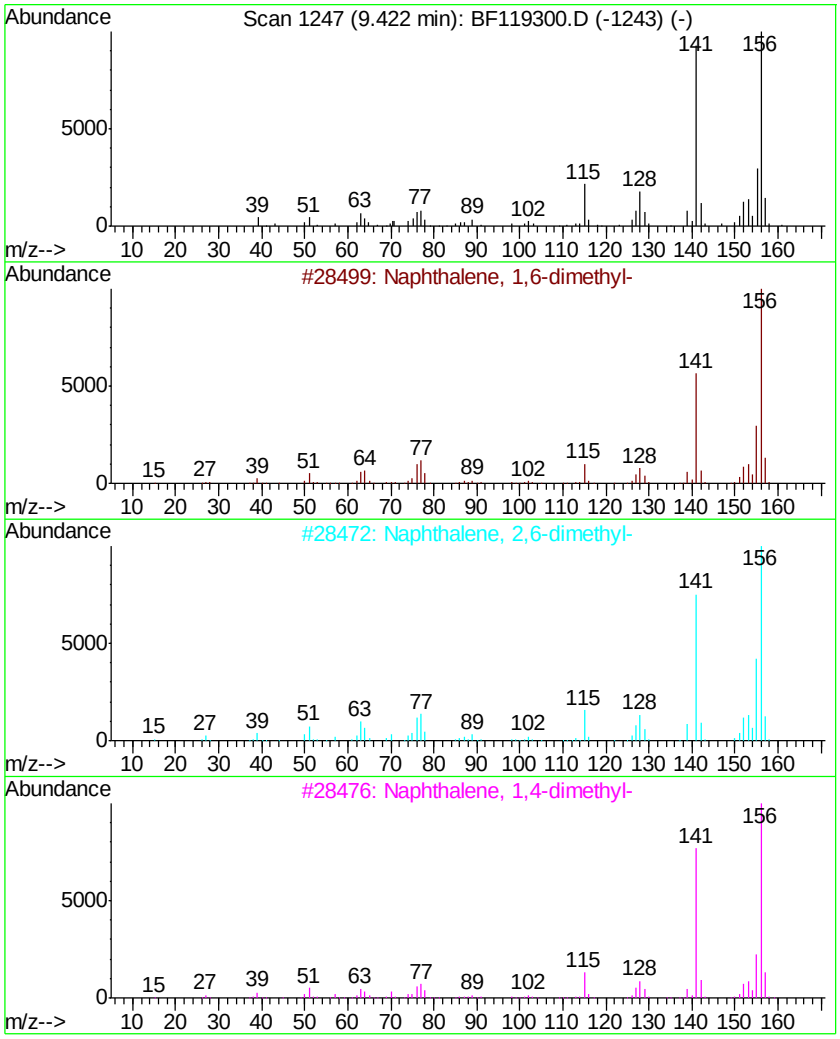
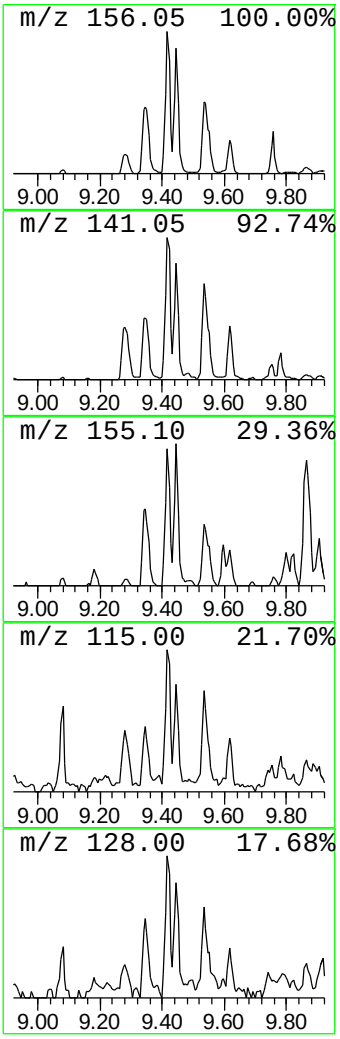
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	4.33 ng	194820	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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

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ClientSampleId : GP-15-030520

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TIC Library : C:\DATABASE\NIST11.L
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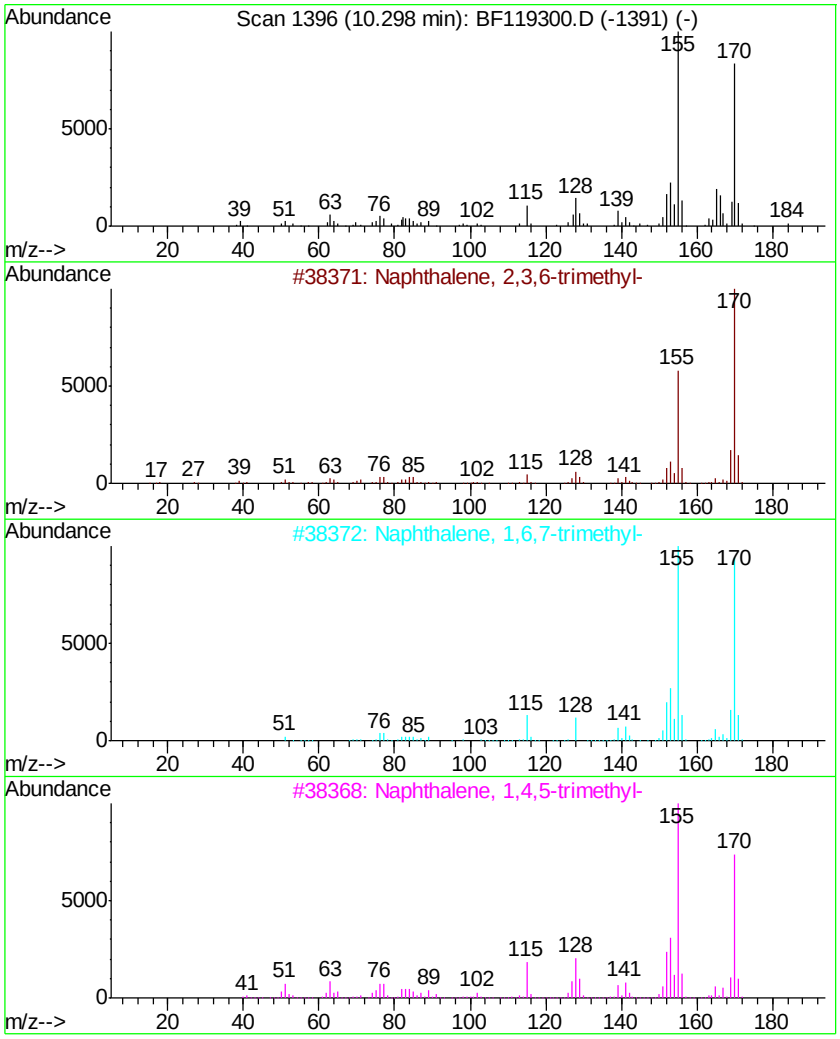
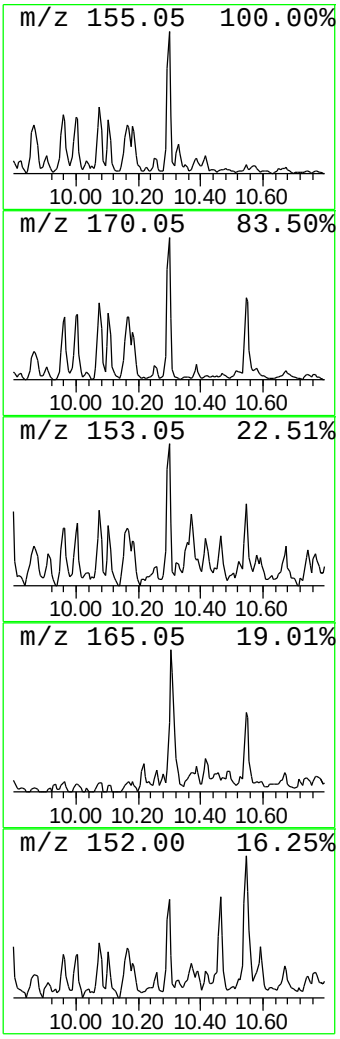
Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	4.70 ng	211890	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Instrument : BNA_F
ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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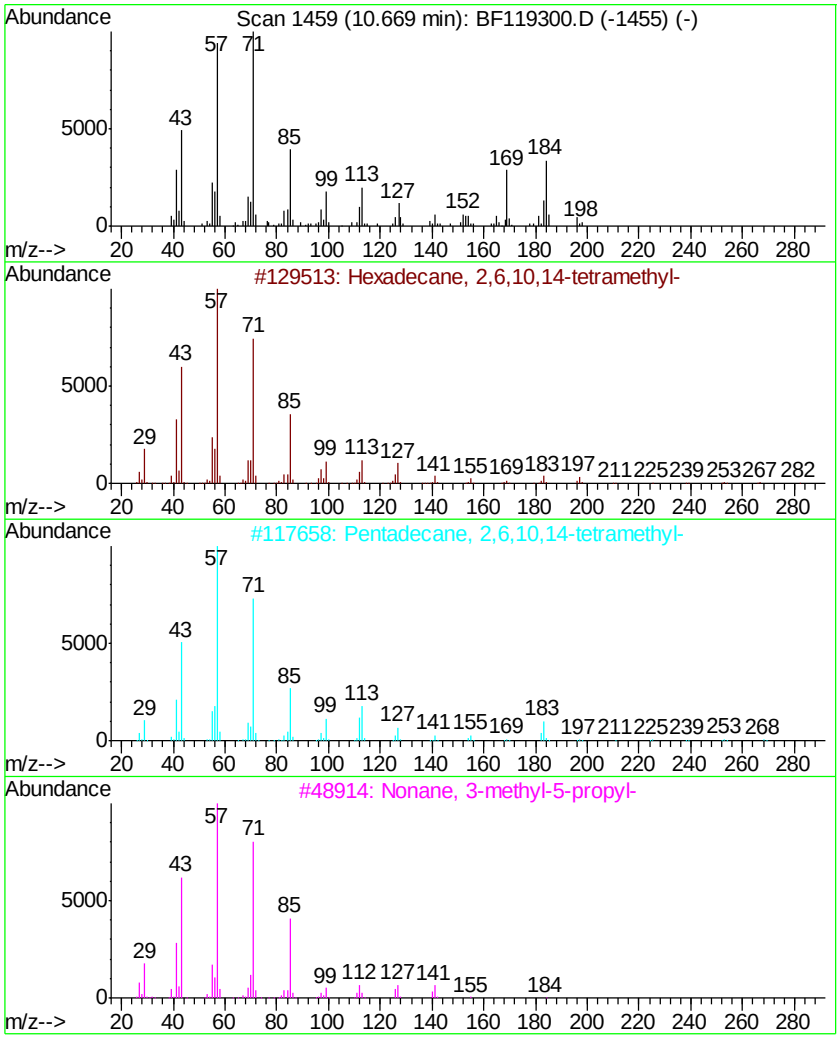
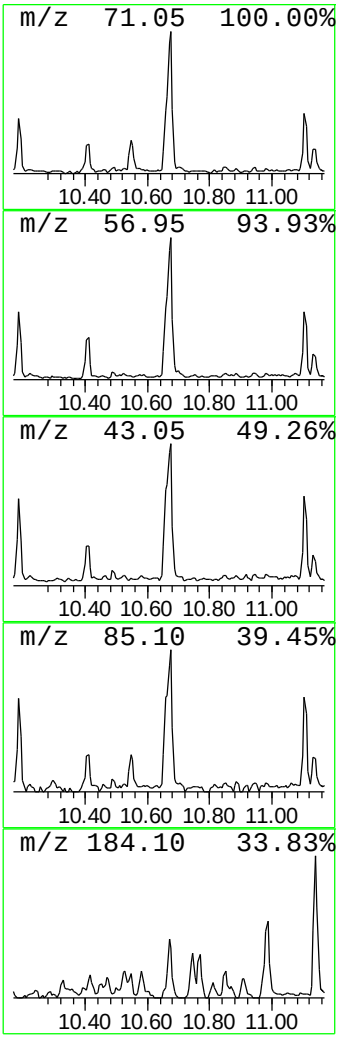
Peak Number 5 Hexadecane, 2,6,10,14-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	5.52 ng	256925	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	62
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	52
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	50
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	49





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Data File : BF119300.D
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ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

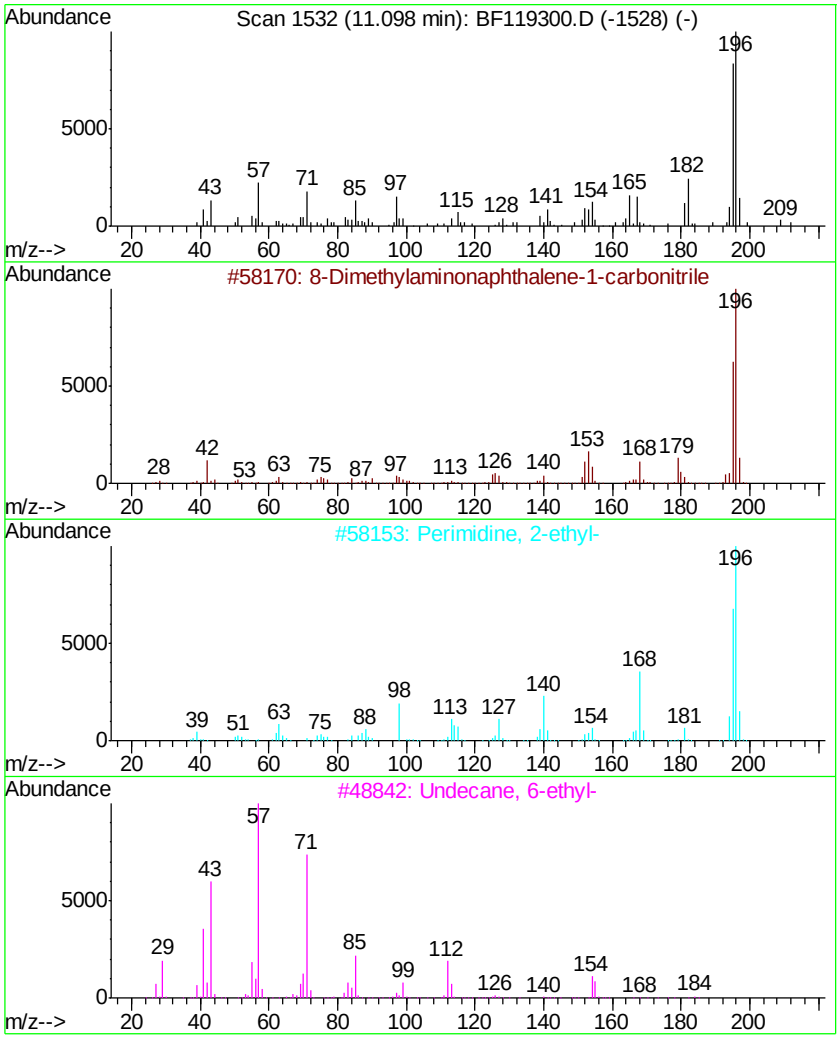
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

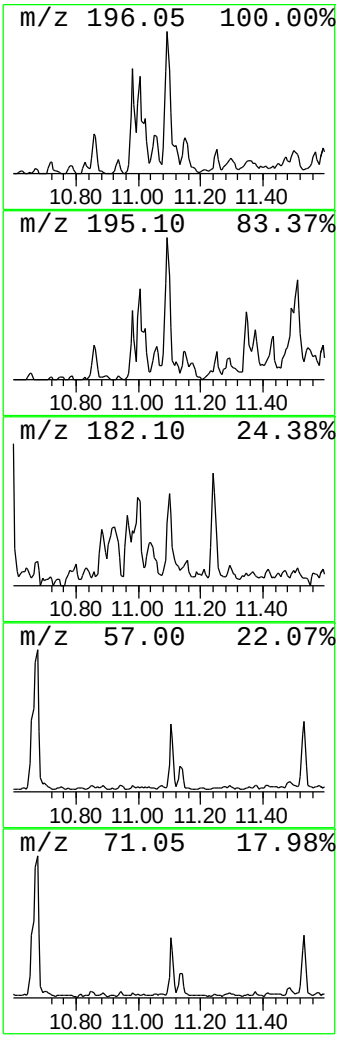
****

Peak Number 6 unknown11.10 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	4.89 ng	227728	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	41
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	38
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	38
4	Hexacosane	366	C26H54	000630-01-3	38
5	4-Carbomethoxy-3-methoxy-4-methy...	196	C10H12O4	120696-19-7	35





Library Search Compound Report

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Operator : CG/JU
Sample : L1844-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

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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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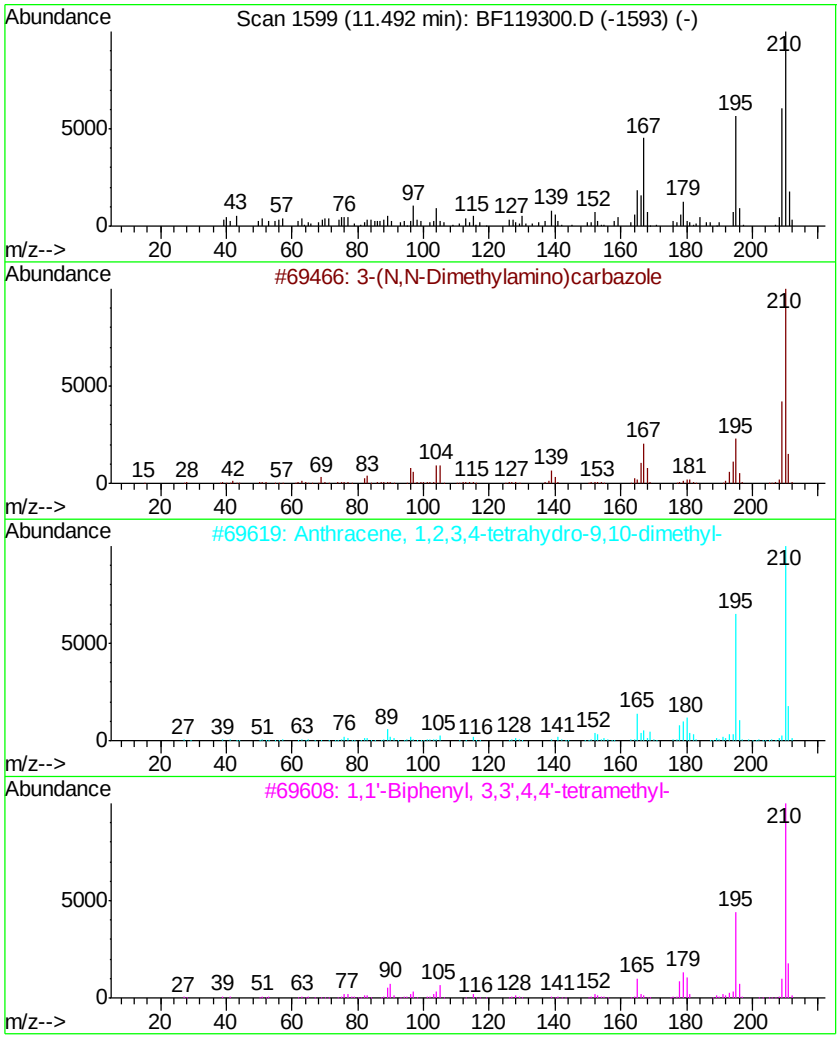
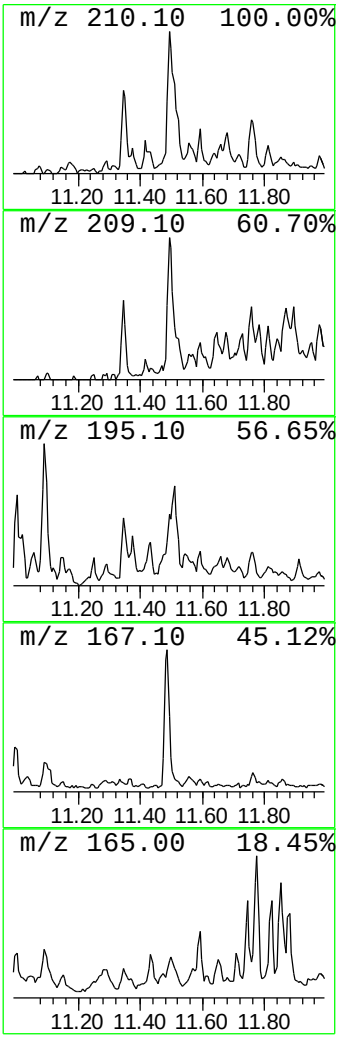
Peak Number 7 3-(N,N-Dimethylamino)carbazole Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	5.00 ng	233046	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(N,N-Dimethylamino)carbazole	210	C14H14N2	001140-50-7	68
2	Anthracene, 1,2,3,4-tetrahydro-9...	210	C16H18	094573-50-9	52
3	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	52
4	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	49
5	1,1'-Biphenyl, 3,4-diethyl-	210	C16H18	061141-66-0	49





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Instrument : BNA_F
ClientSampleId : GP-15-030520

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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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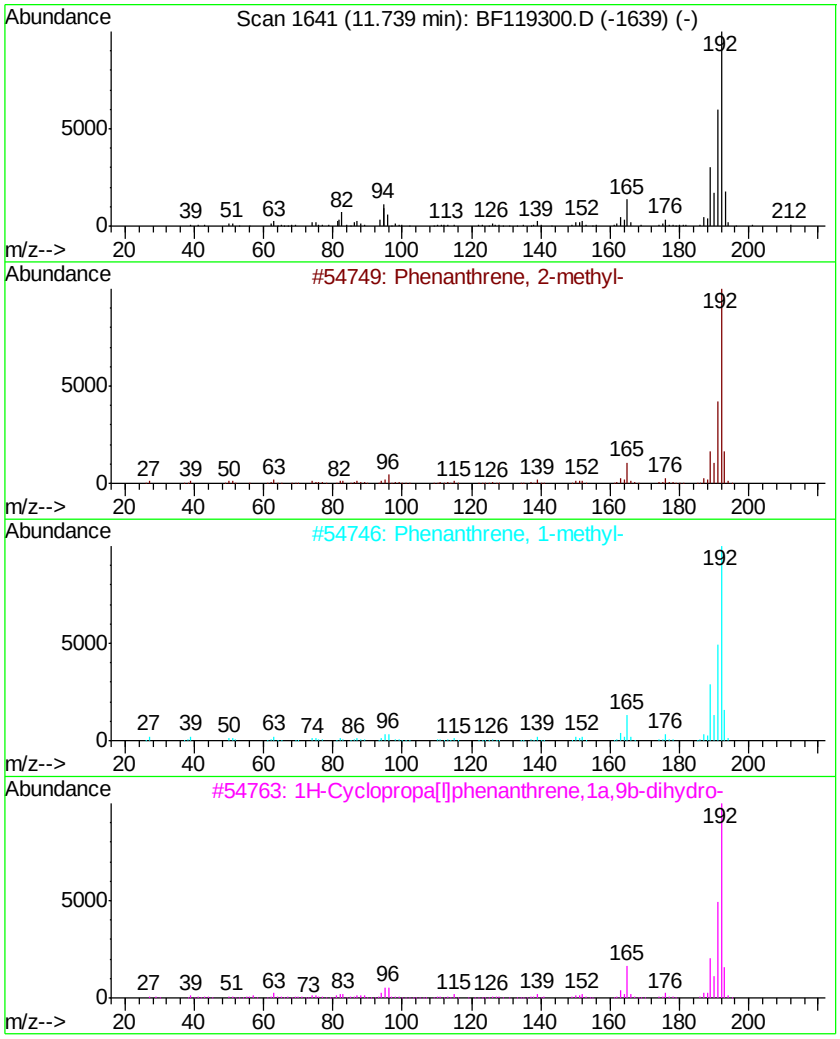
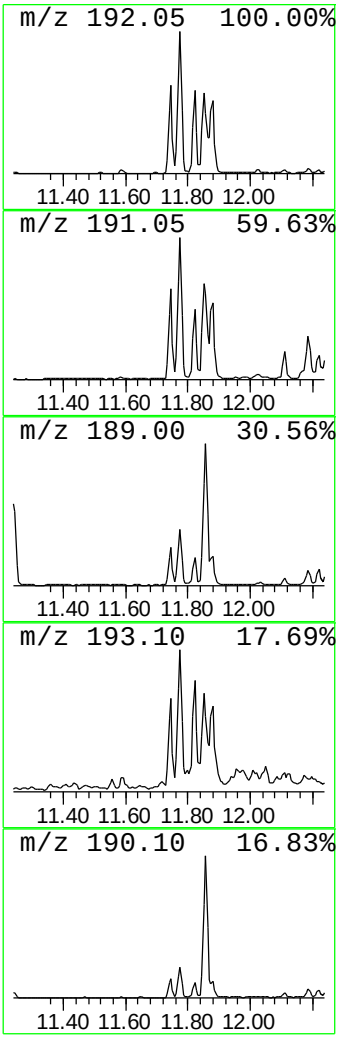
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	5.15 ng	239739	Phenanthrene-d10	11.24

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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ClientSampleId : GP-15-030520

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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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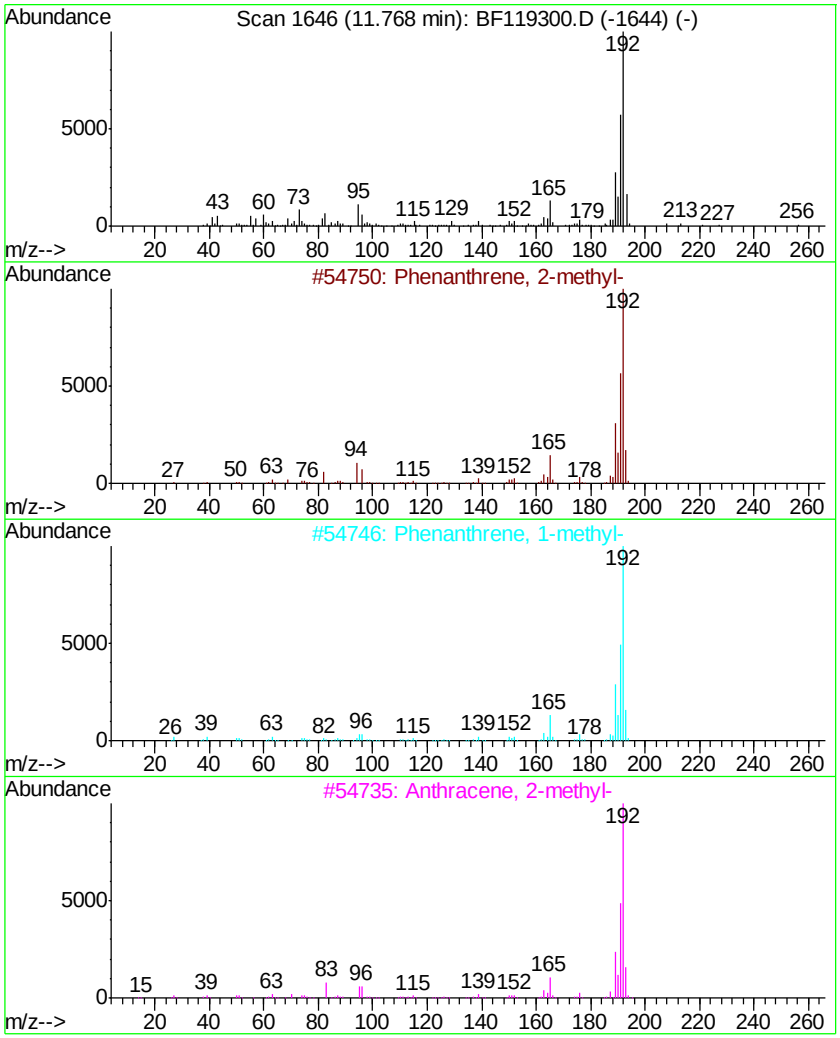
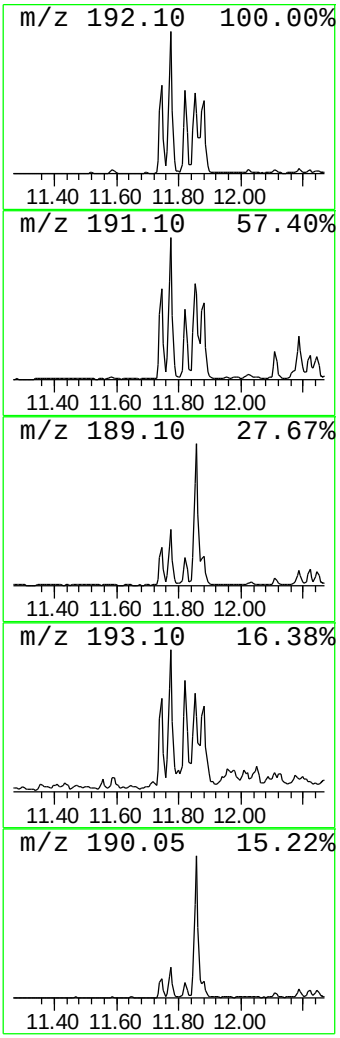
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	10.57 ng	492220	Phenanthrene-d10	11.24

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : GP-15-030520

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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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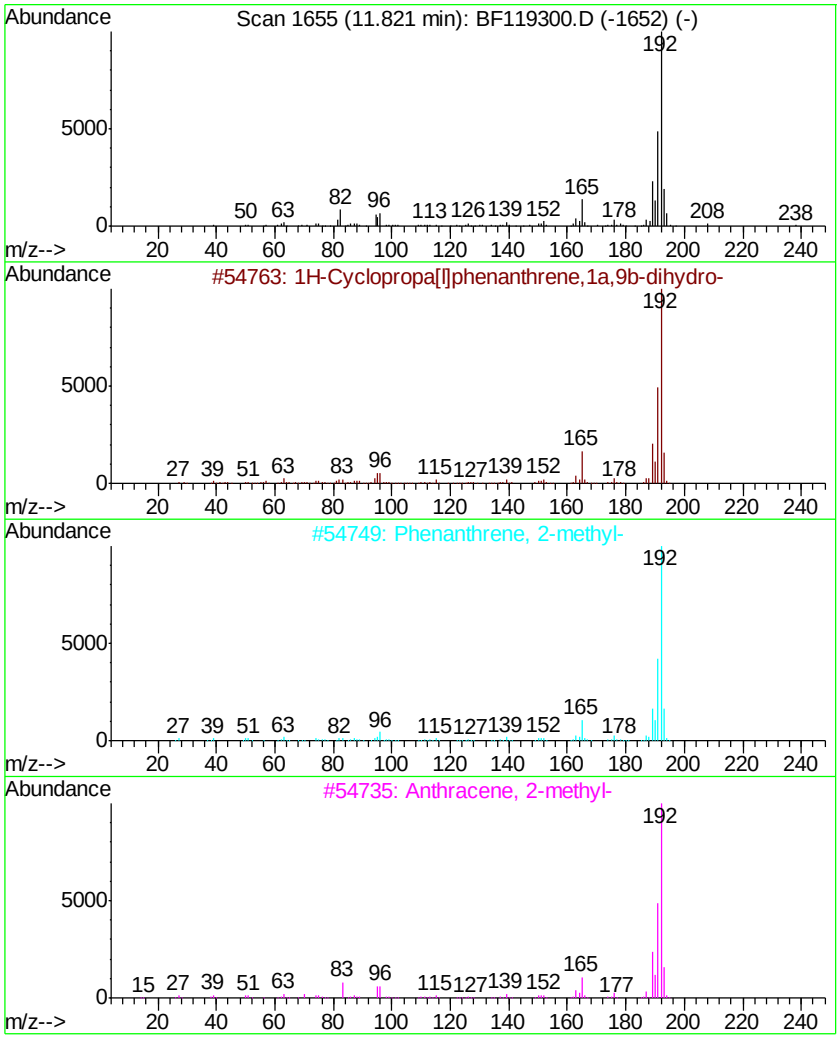
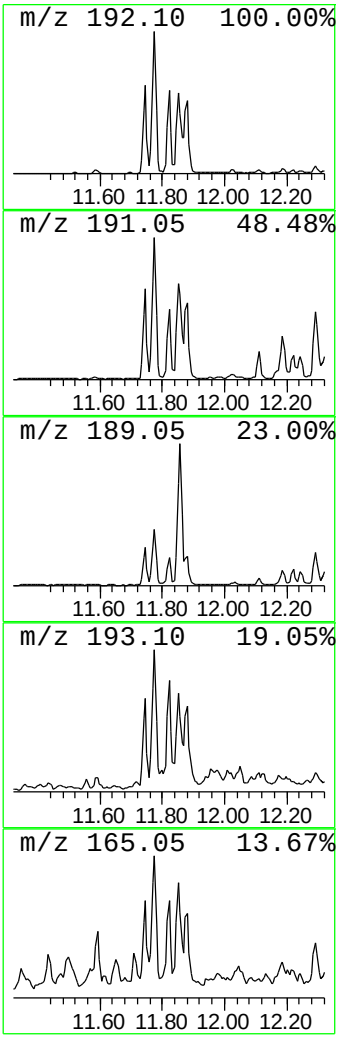
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.70 ng	218768	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Library Search Compound Report

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Sample : L1844-02
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Instrument : BNA_F
ClientSampleId : GP-15-030520

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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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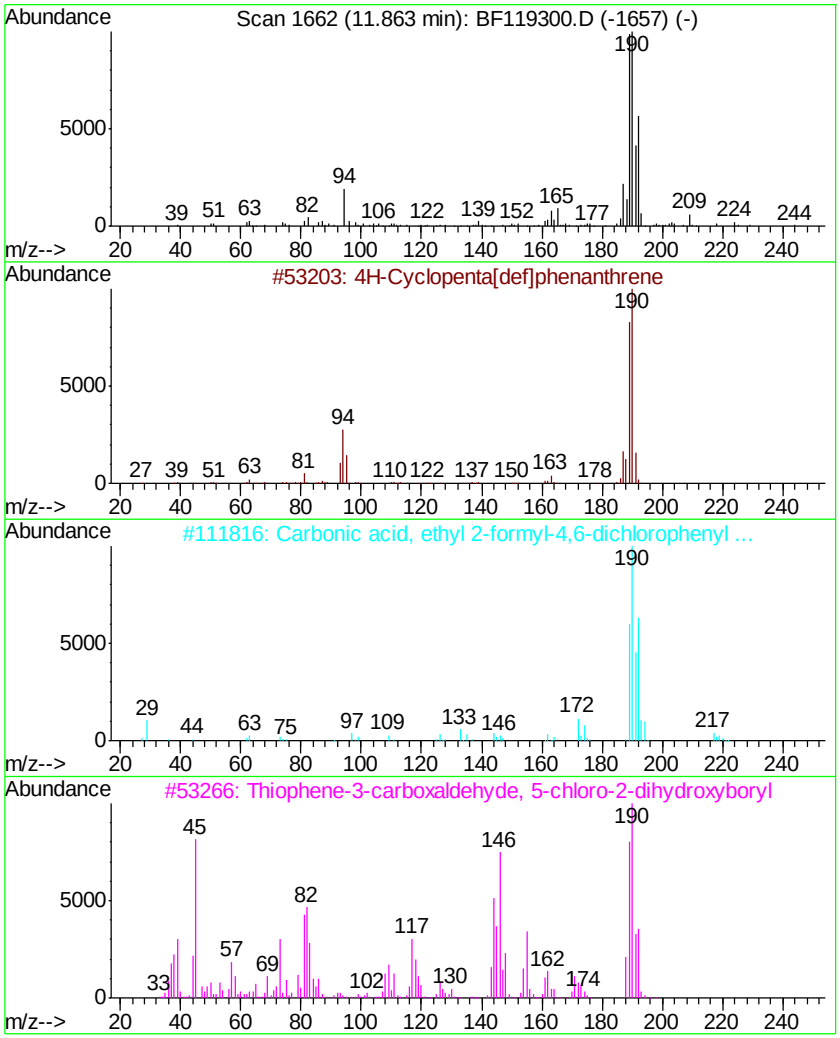
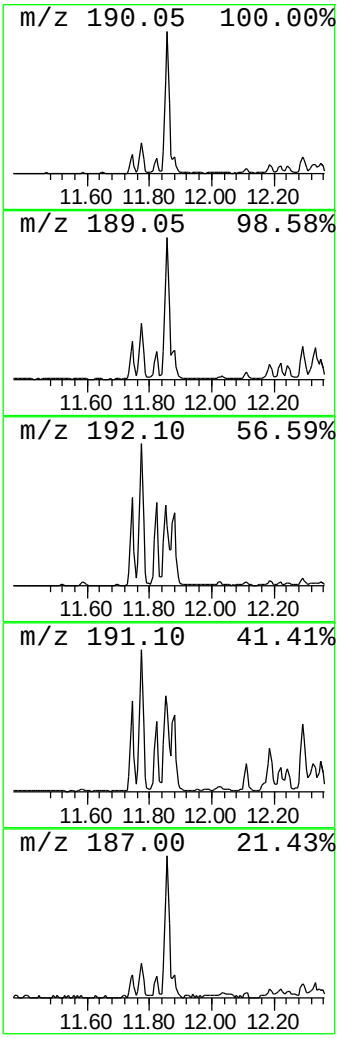
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	11.34 ng	528136	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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Sample : L1844-02
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Instrument : BNA_F
ClientSampleId : GP-15-030520

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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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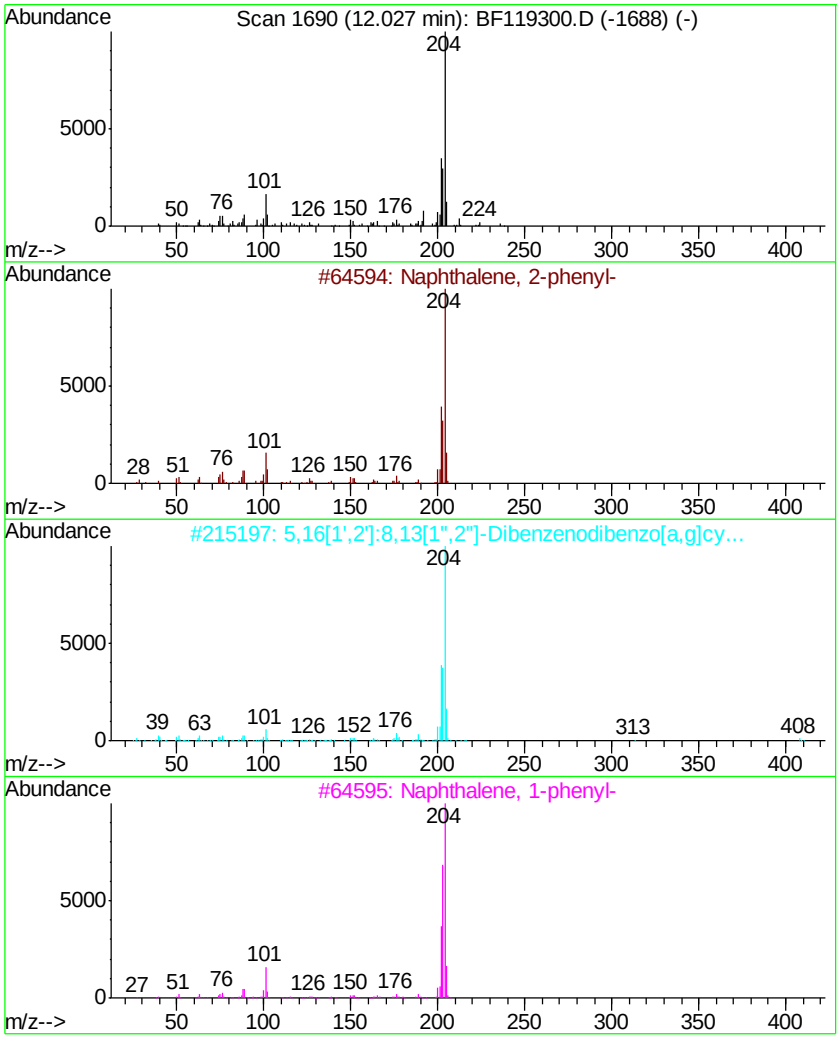
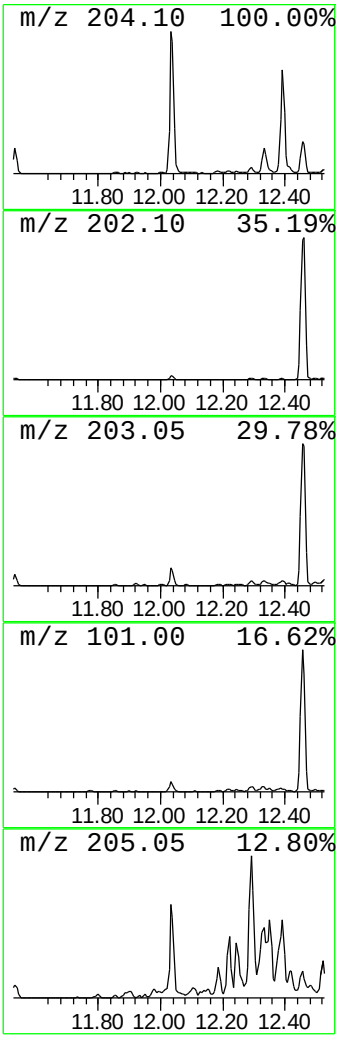
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.45 ng	253672	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Operator : CG/JU
Sample : L1844-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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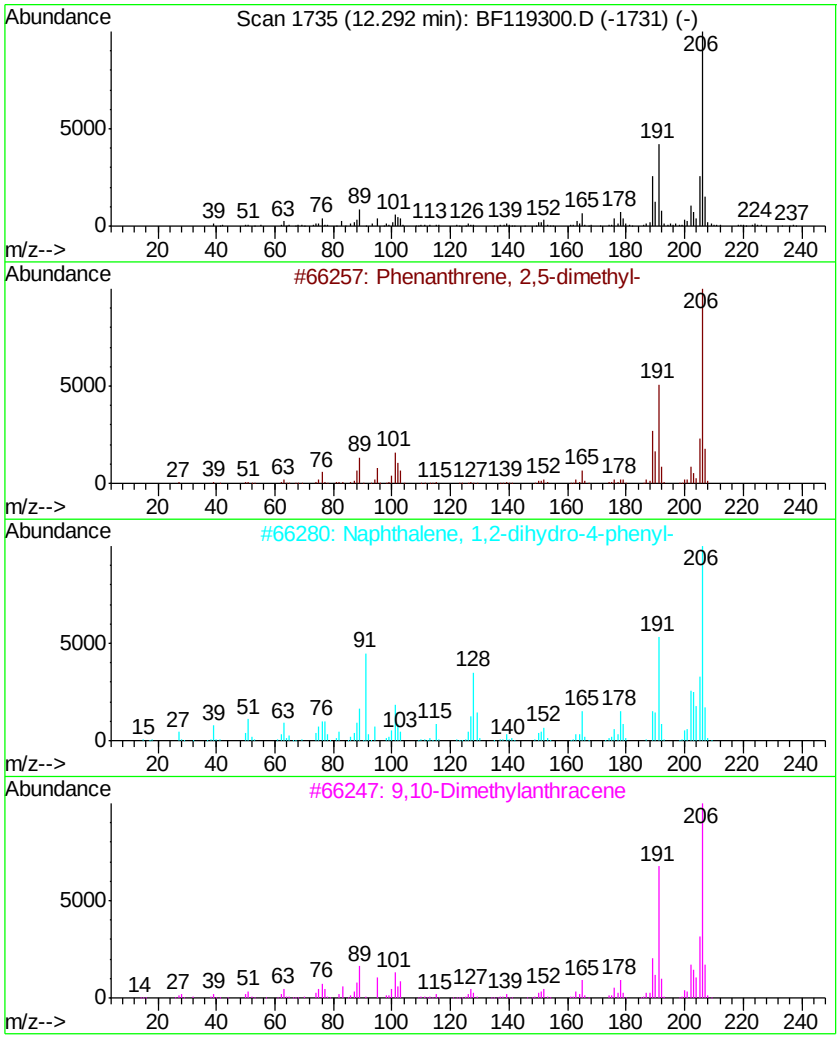
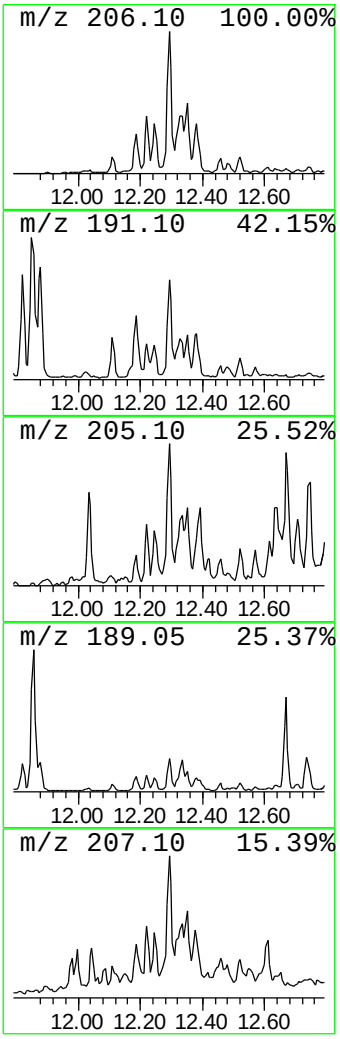
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	7.33 ng	341364	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : L1844-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

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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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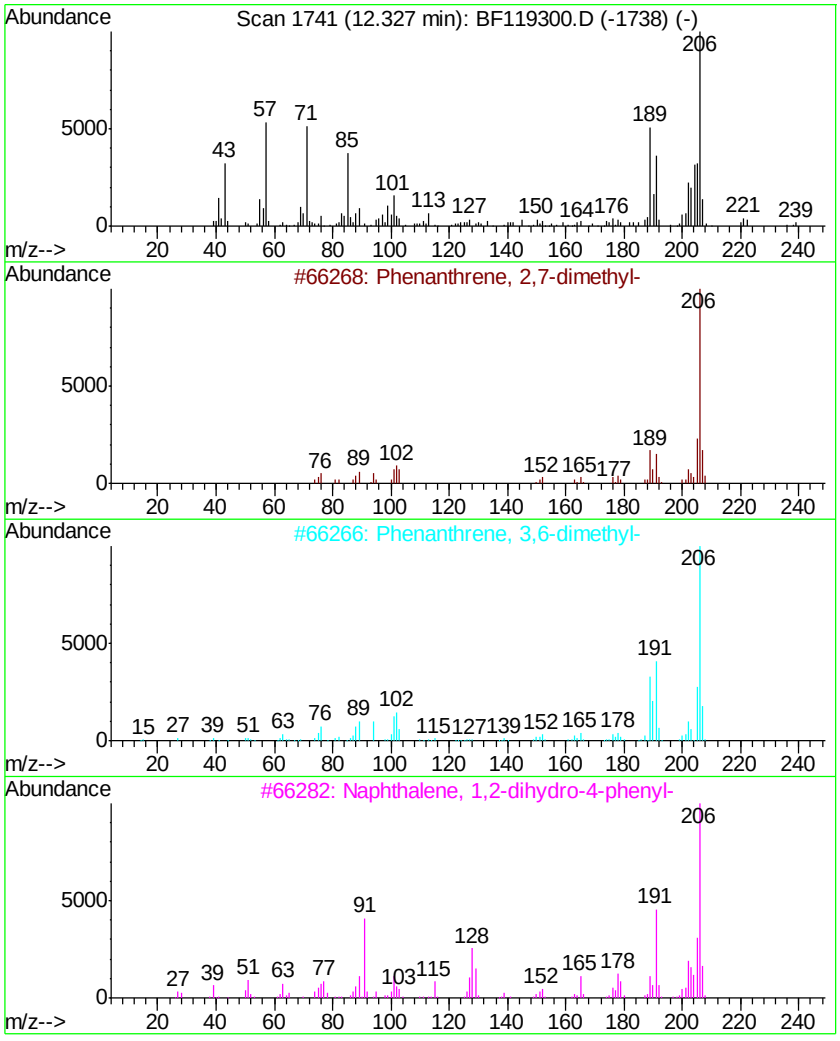
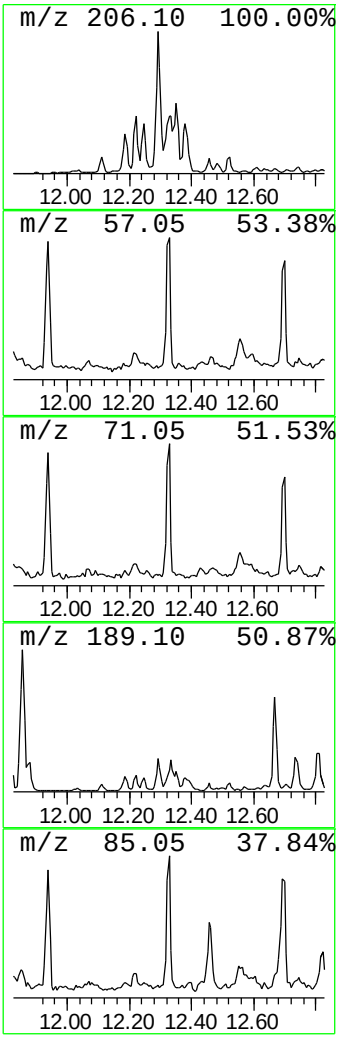
Peak Number 14 Phenanthrene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	6.09 ng	283569	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	45
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	43
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	35





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ClientSampleId : GP-15-030520

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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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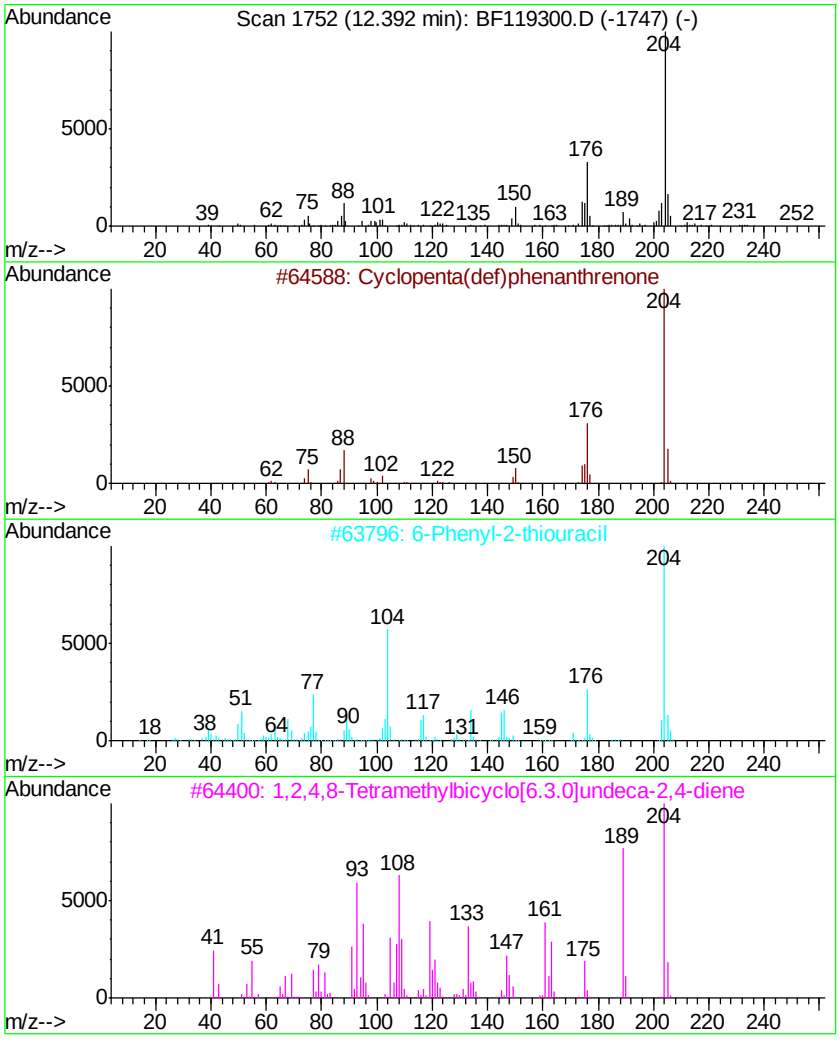
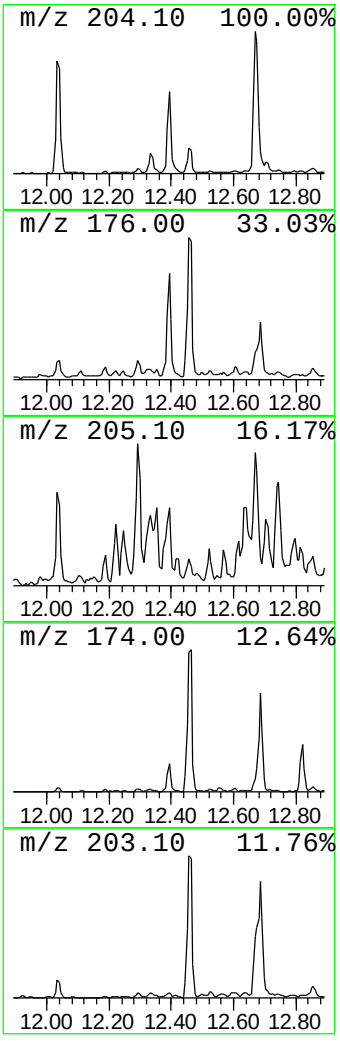
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	6.57 ng	306027	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	64
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	56
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53





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ClientSampleId : GP-15-030520

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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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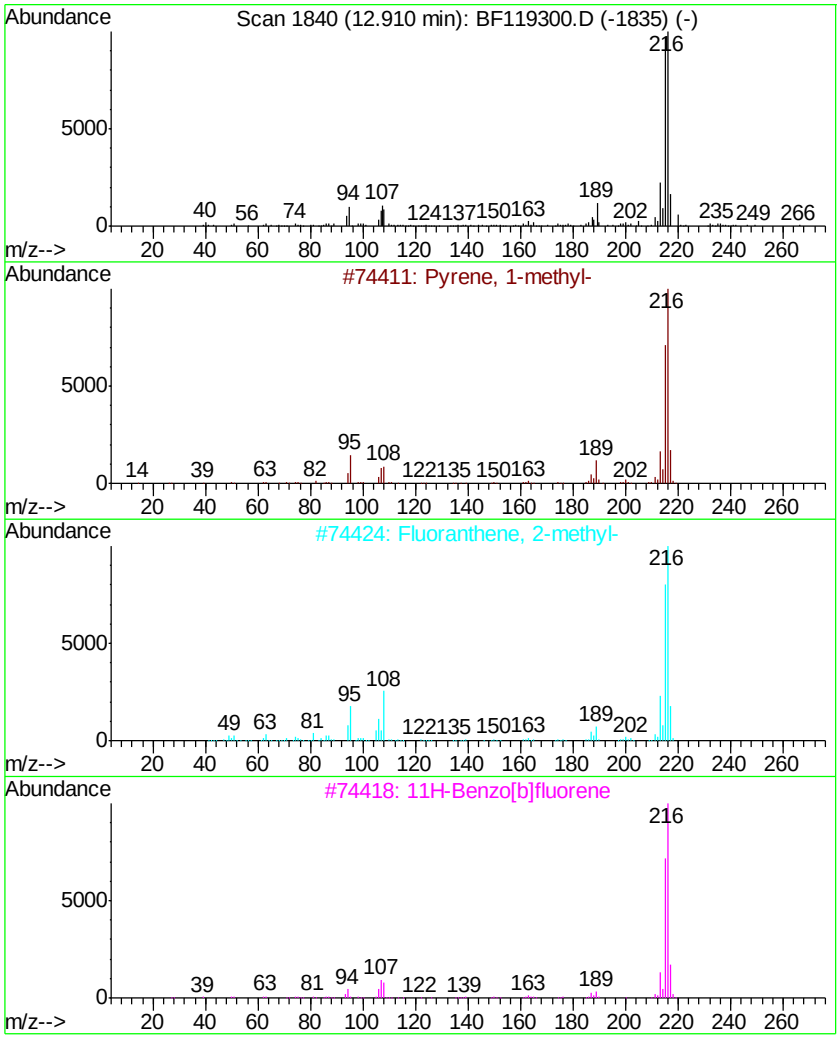
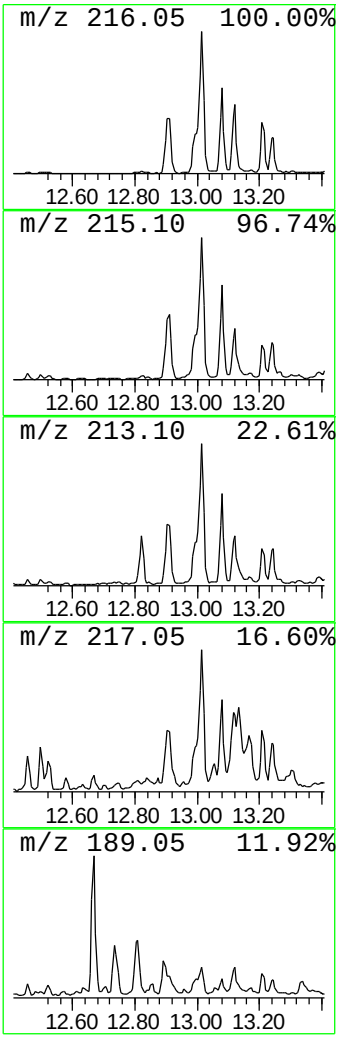
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	4.97 ng	483135	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ClientSampleId : GP-15-030520

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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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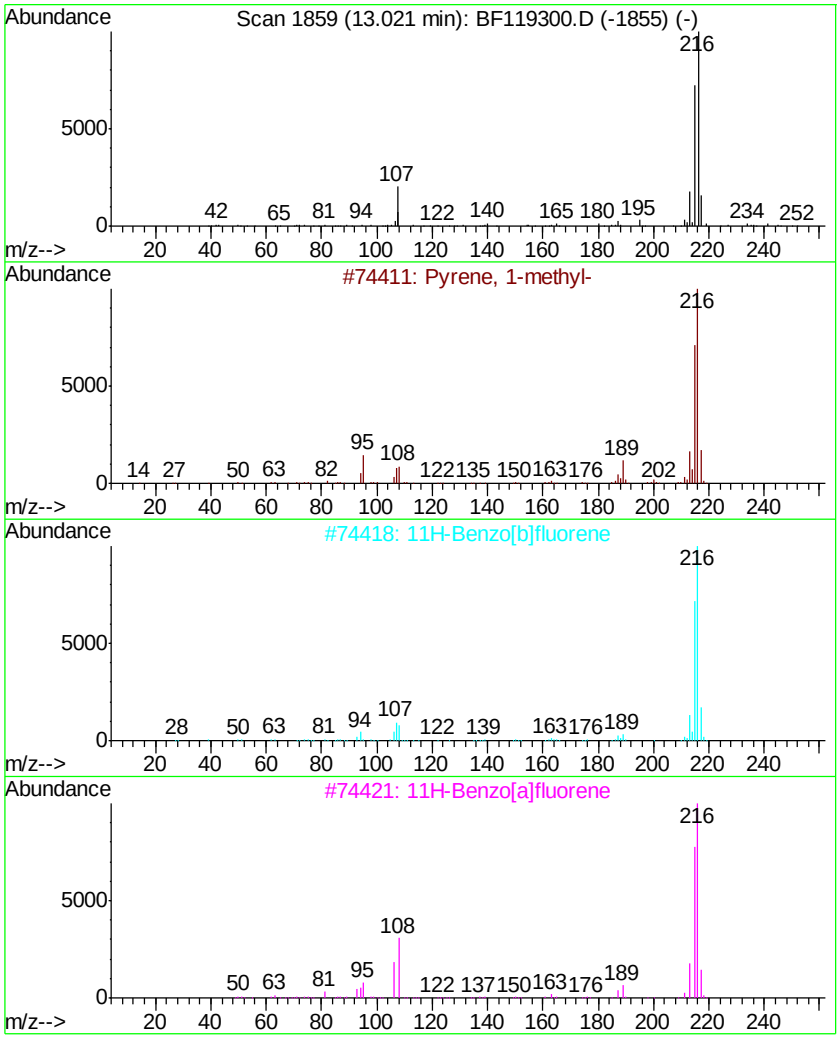
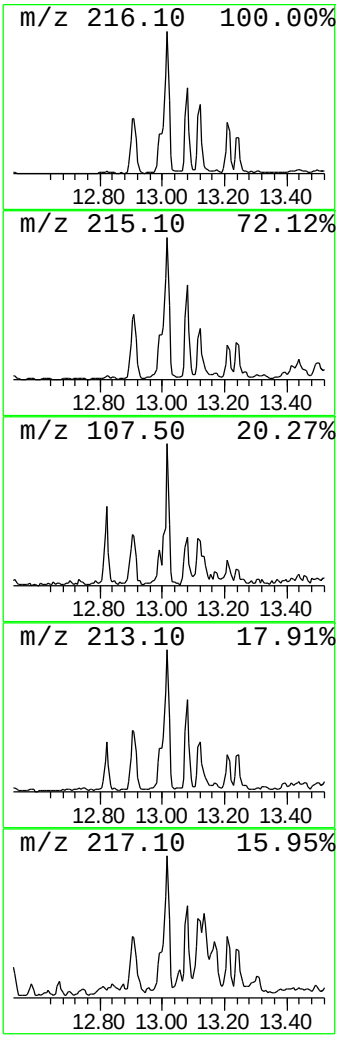
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	5.19 ng	504656	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Data File : BF119300.D
Acq On : 9 Mar 2020 23:26
Operator : CG/JU
Sample : L1844-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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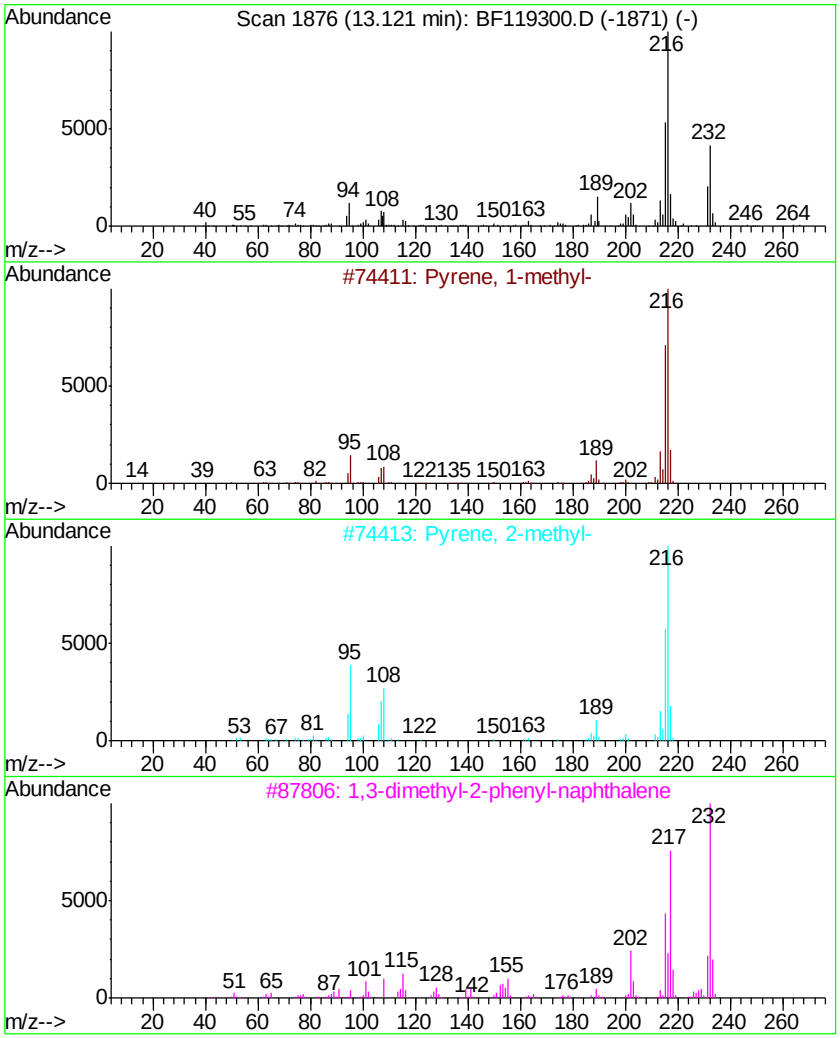
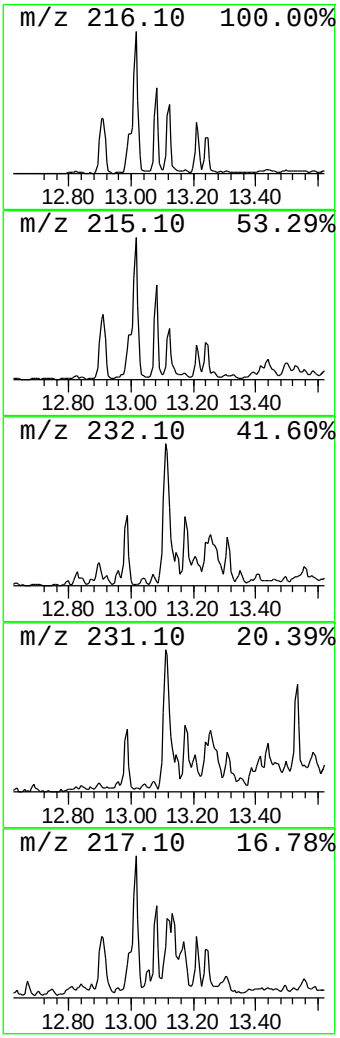
Peak Number 18 unknown13.12 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	5.93 ng	576933	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	46
3	1,3-dimethyl-2-phenyl-naphthalene	232	C18H16	1000379-93-4	46
4	1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	43
5	1-Pyrenemethanol	232	C17H12O	024463-15-8	43





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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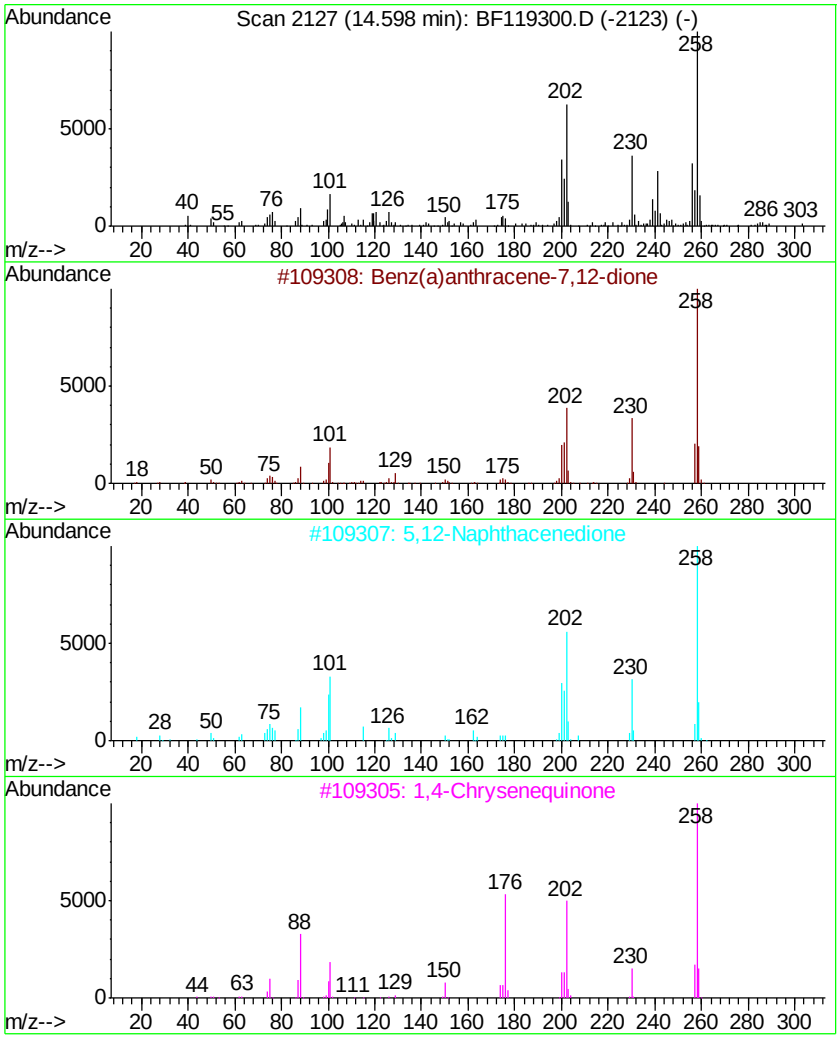
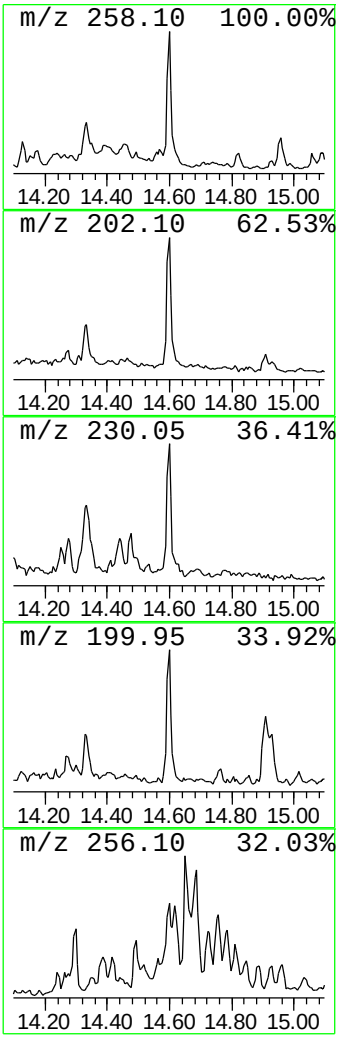
Peak Number 19 Benz(a)anthracene-7,12-dione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	4.31 ng	167768	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	94
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	90
3	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	47
4	6H-Dibenzo[b,d]pyran-6-one, 3,7,...	258	C14H10O5	000641-38-3	46
5	4,5,7,8,9,10-Hexahydrobenzo[a]py...	258	C20H18	073712-75-1	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119300.D
Acq On : 9 Mar 2020 23:26
Operator : CG/JU
Sample : L1844-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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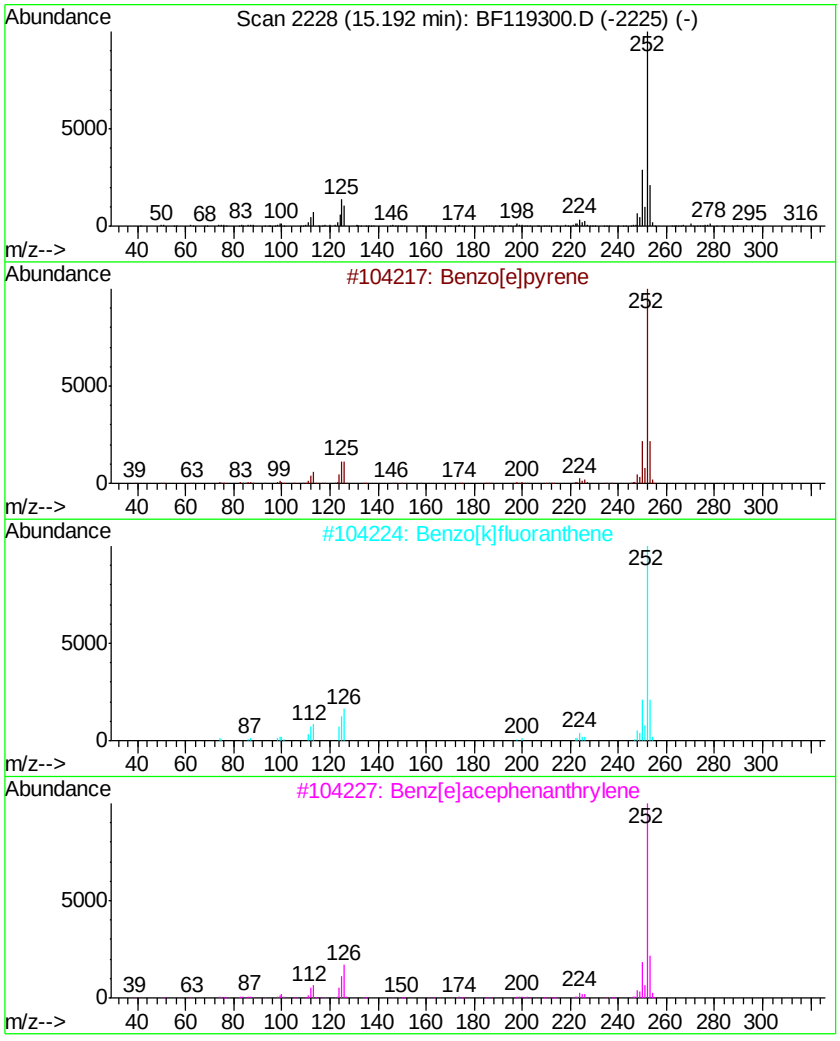
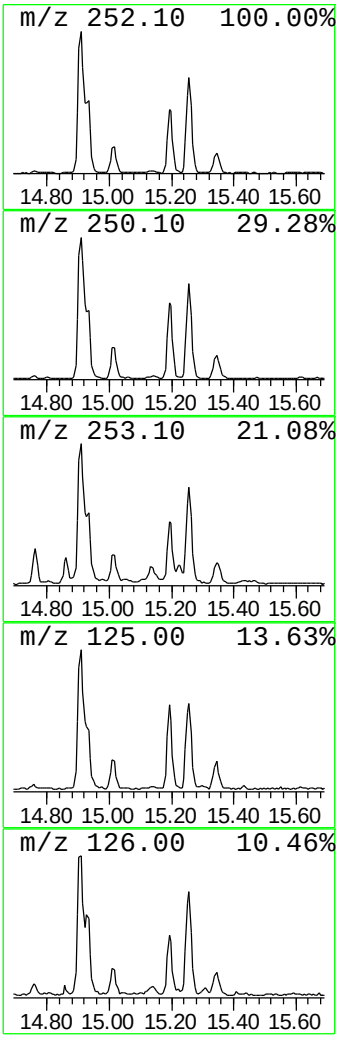
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	11.37 ng	441967	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030920\
Data File : BF119300.D
Acq On : 9 Mar 2020 23:26
Operator : CG/JU
Sample : L1844-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-15-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
2-Pentanone, 4-hy...	4.92	7.7	ng	213475	1	6.72	553585	20.0
Naphthalene, 1,6-...	9.42	4.3	ng	194820	3	9.76	900816	20.0
Naphthalene, 2,3,...	10.30	4.7	ng	211890	3	9.76	900816	20.0
Hexadecane, 2,6,1...	10.67	5.5	ng	256925	4	11.24	931326	20.0
unknown11.10	11.10	4.9	ng	227728	4	11.24	931326	20.0
3-(N,N-Dimethylam...	11.49	5.0	ng	233046	4	11.24	931326	20.0
Phenanthrene, 2-m...	11.74	5.2	ng	239739	4	11.24	931326	20.0
Phenanthrene, 1-m...	11.77	10.6	ng	492220	4	11.24	931326	20.0
1H-Cyclopropa[l]p...	11.82	4.7	ng	218768	4	11.24	931326	20.0
4H-Cyclopenta[def...	11.86	11.3	ng	528136	4	11.24	931326	20.0
Naphthalene, 2-ph...	12.03	5.5	ng	253672	4	11.24	931326	20.0
Phenanthrene, 2,5...	12.29	7.3	ng	341364	4	11.24	931326	20.0
Phenanthrene, 2,7...	12.33	6.1	ng	283569	4	11.24	931326	20.0
Cyclopenta(def)ph...	12.39	6.6	ng	306027	4	11.24	931326	20.0
Pyrene, 1-methyl-	12.91	5.0	ng	483135	5	13.89	1944340	20.0
11H-Benzo[b]fluorene	13.02	5.2	ng	504656	5	13.89	1944340	20.0
unknown13.12	13.12	5.9	ng	576933	5	13.89	1944340	20.0
Benz(a)anthracene...	14.60	4.3	ng	167768	6	15.31	777652	20.0
Benzo[e]pyrene	15.19	11.4	ng	441967	6	15.31	777652	20.0