LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110846.D
Acq On : 19 Nov 2018 12:10
Operator : JU/SJ
Sample : J5977-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

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-BF110818.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	2.228	20	24	40	rVB2	78719	145359	7.74%	0.453%
2	5.169	521	524	534	rBV	27435	41435	2.21%	0.129%
3	5.557	587	590	613	rVB	1013572	1043122	55.57%	3.249%
4	6.563	758	761	778	rBV	1103579	1172991	62.49%	3.654%
5	6.710	782	786	792	rBV	1268734	1149568	61.24%	3.581%
6	6.939	821	825	832	rBV	461051	405908	21.62%	1.264%
7	7.092	847	851	863	rBV	993541	898380	47.86%	2.798%
8	7.504	917	921	939	rBV	716028	744281	39.65%	2.318%
9	8.222	1039	1043	1045	rBV	586304	535962	28.55%	1.669%
10	8.239	1045	1046	1054	rVB	243435	239647	12.77%	0.746%
11	8.939	1161	1165	1172	rBV	73532	77074	4.11%	0.240%
12	9.033	1177	1181	1186	rBV	58266	60630	3.23%	0.189%
13	9.292	1221	1225	1233	rBV	1480265	1257753	67.00%	3.918%
14	9.569	1266	1272	1277	rBV	31562	45991	2.45%	0.143%
15	9.633	1280	1283	1286	rBV	54018	61153	3.26%	0.190%
16	9.686	1289	1292	1299	rVV	279510	250270	13.33%	0.780%
17	9.757	1301	1304	1311	rVB	28851	42307	2.25%	0.132%
18	9.839	1315	1318	1322	rVV2	48303	49768	2.65%	0.155%
19	9.980	1339	1342	1345	rBV	704018	600083	31.97%	1.869%
20	10.010	1345	1347	1354	rVB	242320	220556	11.75%	0.687%
21	10.186	1372	1377	1380	rBV	129750	135812	7.24%	0.423%
22	10.386	1405	1411	1413	rBV	41938	46882	2.50%	0.146%
23	10.533	1432	1436	1441	rVB	248246	254858	13.58%	0.794%
24	10.610	1448	1449	1452	rVV2	53868	48619	2.59%	0.151%
25	10.686	1460	1462	1466	rVB	77900	66711	3.55%	0.208%
26	10.775	1473	1477	1483	rVV2	924791	906365	48.28%	2.823%
27	10.875	1489	1494	1503	rVB5	64671	100124	5.33%	0.312%
28	11.080	1522	1529	1531	rBV	91719	121709	6.48%	0.379%
29	11.110	1531	1534	1536	rVV2	45175	39710	2.12%	0.124%
30	11.204	1545	1550	1552	rBV3	51178	65012	3.46%	0.202%
31	11.227	1552	1554	1558	rVV2	48388	53905	2.87%	0.168%
32	11.316	1566	1569	1575	rVV3	56583	100893	5.37%	0.314%
33	11.375	1575	1579	1585	rVB	111005	113643	6.05%	0.354%
34	11.475	1592	1596	1598	rBV	662656	616675	32.85%	1.921%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5977-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.504	1598	1601	1604	rVV	2022598	1647397	87.76%	5.131%
36	11.551	1604	1609	1613	rVV	527667	463126	24.67%	1.443%
37	11.710	1631	1636	1639	rBV2	162256	205558	10.95%	0.640%
38	11.980	1678	1682	1684	rBV2	404528	400818	21.35%	1.248%
39	12.004	1684	1686	1690	rVB	288560	261264	13.92%	0.814%
40	12.057	1692	1695	1697	rBV	130761	110536	5.89%	0.344%
41	12.092	1697	1701	1703	rBV	371847	398845	21.25%	1.242%
42	12.269	1728	1731	1736	rVV	166542	173724	9.25%	0.541%
43	12.316	1736	1739	1742	rVB3	81238	76939	4.10%	0.240%
44	12.410	1752	1755	1760	rVB2	87179	140011	7.46%	0.436%
45	12.451	1760	1762	1765	rVB	48845	41403	2.21%	0.129%
46	12.480	1765	1767	1772	rVB	63041	61755	3.29%	0.192%
47	12.533	1772	1776	1778	rBV	185110	196477	10.47%	0.612%
48	12.616	1787	1790	1791	rBV2	46284	40510	2.16%	0.126%
49	12.704	1800	1805	1808	rBV	2087529	1877128	100.00%	5.847%
50	12.763	1812	1815	1819	rVV3	110361	119081	6.34%	0.371%
51	12.851	1827	1830	1832	rBV2	64458	57431	3.06%	0.179%
52	12.910	1837	1840	1841	rBV	397033	385992	20.56%	1.202%
53	12.933	1841	1844	1848	rVV	1708864	1542997	82.20%	4.806%
54	12.974	1848	1851	1855	rVB2	109299	115294	6.14%	0.359%
55	13.057	1860	1865	1868	rBV	1090514	953046	50.77%	2.969%
56	13.092	1868	1871	1875	rVB	67402	80570	4.29%	0.251%
57	13.145	1875	1880	1884	rBV3	117946	206750	11.01%	0.644%
58	13.257	1891	1899	1903	rVB	309161	432648	23.05%	1.348%
59	13.321	1906	1910	1912	rBV	257312	222344	11.84%	0.693%
60	13.357	1912	1916	1919	rVV2	125274	170115	9.06%	0.530%
61	13.451	1930	1932	1935	rBV	82939	70819	3.77%	0.221%
62	13.486	1935	1938	1940	rBV2	85133	82154	4.38%	0.256%
63	13.551	1946	1949	1955	rVB5	31581	47144	2.51%	0.147%
64	13.604	1955	1958	1960	rBV	61117	55925	2.98%	0.174%
65	13.633	1960	1963	1965	rVV3	52042	48731	2.60%	0.152%
66	13.739	1978	1981	1984	rVV2	43256	59471	3.17%	0.185%
67	13.768	1984	1986	1989	rVB	63861	59202	3.15%	0.184%
68	13.880	2002	2005	2007	rBV	109872	100833	5.37%	0.314%
69	13.904	2007	2009	2011	rVB	124983	95368	5.08%	0.297%
70	13.933	2011	2014	2020	rVB3	270361	312600	16.65%	0.974%
71	13.980	2020	2022	2025	rVB	48107	41941	2.23%	0.131%

LSC Area Percent Report

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Sample : J5977-08
Misc :
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Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.016	2025	2028	2031	rBV4	64034	72976	3.89%	0.227%
73	14.051	2031	2034	2038	rVB2	68535	94057	5.01%	0.293%
74	14.121	2039	2046	2050	rBV2	924562	1505517	80.20%	4.689%
75	14.157	2050	2052	2058	rVB	795108	674523	35.93%	2.101%
76	14.239	2063	2066	2069	rBV2	195698	215422	11.48%	0.671%
77	14.480	2104	2107	2108	rBV	51722	53624	2.86%	0.167%
78	14.515	2110	2113	2115	rVV	169690	154276	8.22%	0.481%
79	14.551	2116	2119	2123	rVV	144716	144970	7.72%	0.452%
80	14.615	2128	2130	2133	rVB2	79681	63685	3.39%	0.198%
81	14.645	2133	2135	2137	rBV2	87966	83725	4.46%	0.261%
82	14.868	2167	2173	2179	rBV4	134196	251580	13.40%	0.784%
83	15.039	2198	2202	2204	rBV3	67519	78563	4.19%	0.245%
84	15.210	2226	2231	2245	rBV	682210	1540379	82.06%	4.798%
85	15.321	2246	2250	2253	rVB	145849	174454	9.29%	0.543%
86	15.410	2262	2265	2270	rBV4	44351	94237	5.02%	0.294%
87	15.457	2271	2273	2280	rVV3	51958	109575	5.84%	0.341%
88	15.527	2281	2285	2292	rVV	408684	533595	28.43%	1.662%
89	15.598	2292	2297	2304	rVV	617334	889158	47.37%	2.770%
90	15.662	2304	2308	2311	rVV	334739	423094	22.54%	1.318%
91	15.692	2311	2313	2319	rVB2	181253	246691	13.14%	0.768%
92	15.839	2333	2338	2341	rBV2	42398	77054	4.10%	0.240%
93	16.068	2373	2377	2382	rVB	101000	151465	8.07%	0.472%
94	16.127	2383	2387	2392	rBV3	42113	81670	4.35%	0.254%
95	17.062	2543	2546	2552	rVB	28090	44001	2.34%	0.137%
96	17.239	2567	2576	2583	rVB	231858	521435	27.78%	1.624%
97	17.415	2600	2606	2612	rBV	53094	113975	6.07%	0.355%
98	17.492	2613	2619	2626	rBV3	34785	99440	5.30%	0.310%
99	17.721	2651	2658	2664	rBV	168564	375575	20.01%	1.170%
100	17.992	2698	2704	2712	rVB2	58710	167270	8.91%	0.521%

Sum of corrected areas: 32105089

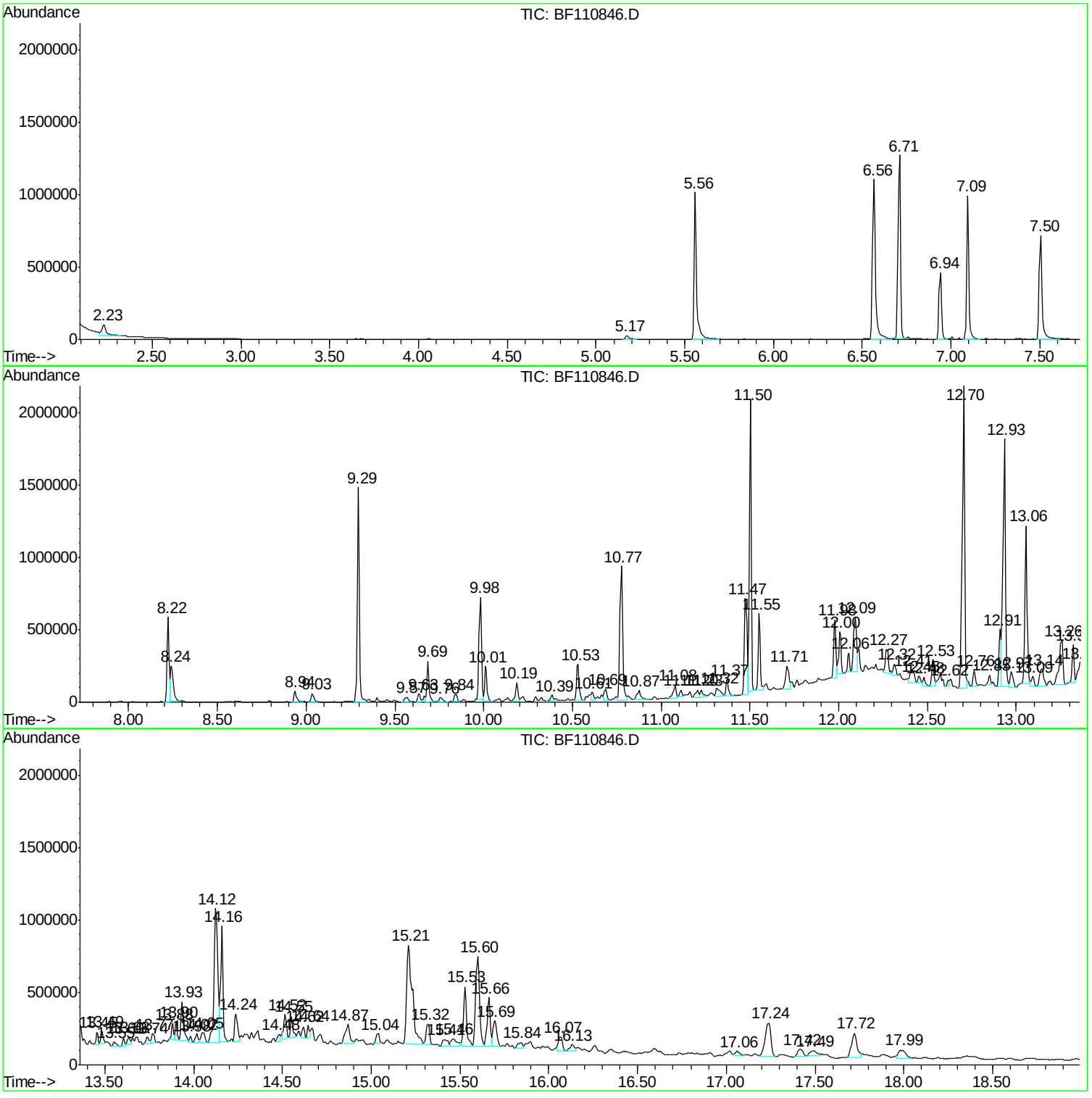
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110846.D
Acq On : 19 Nov 2018 12:10
Operator : JU/SJ
Sample : J5977-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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\BF111918\
Data File : BF110846.D
Acq On : 19 Nov 2018 12:10
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Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

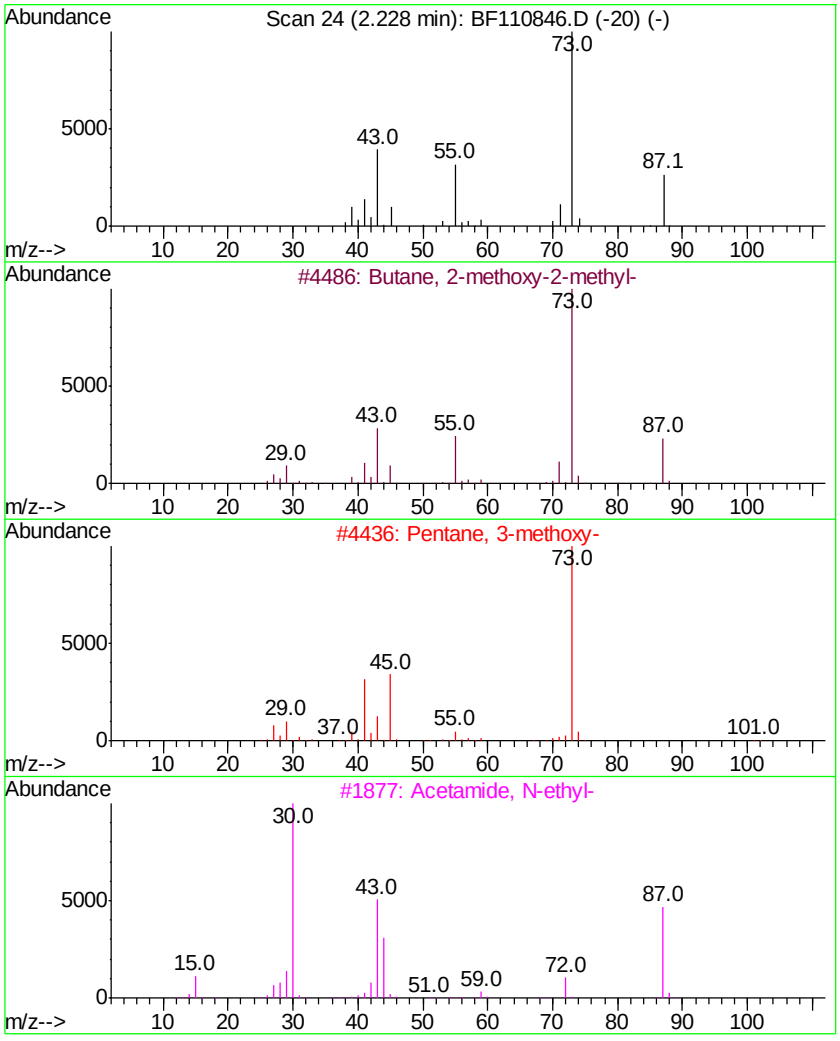
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

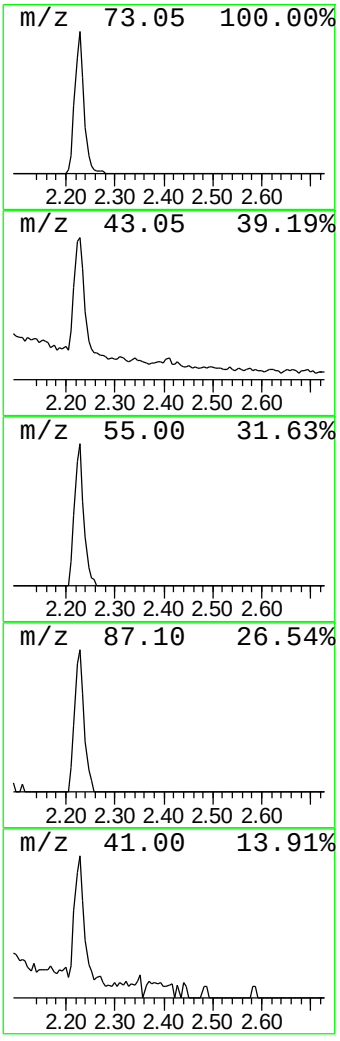
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	7.16 ng	145359	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,4-Butanediamine	88	C4H12N2	000110-60-1	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Misc :
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Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

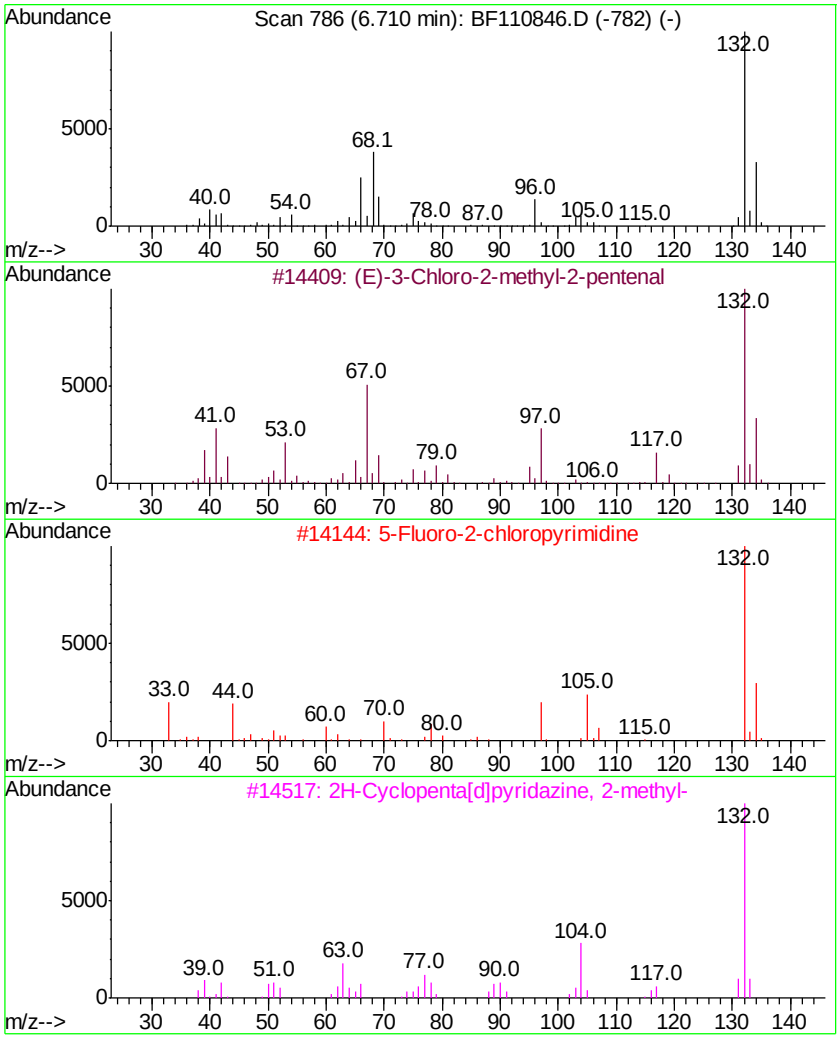
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

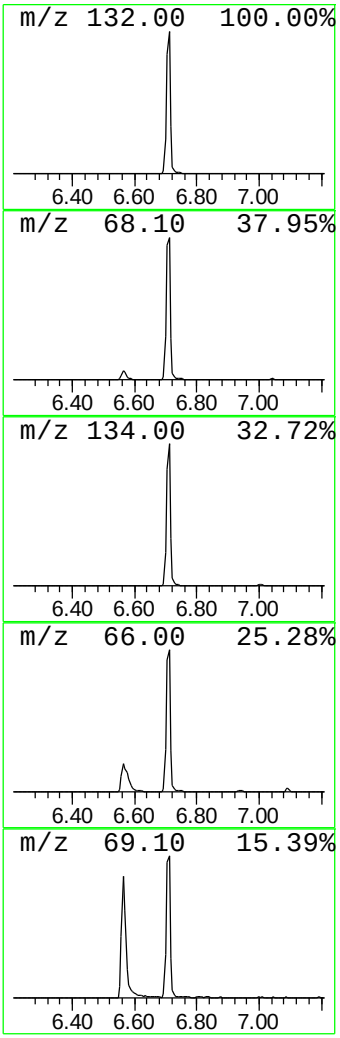
****

Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	56.64 ng	1149570	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9





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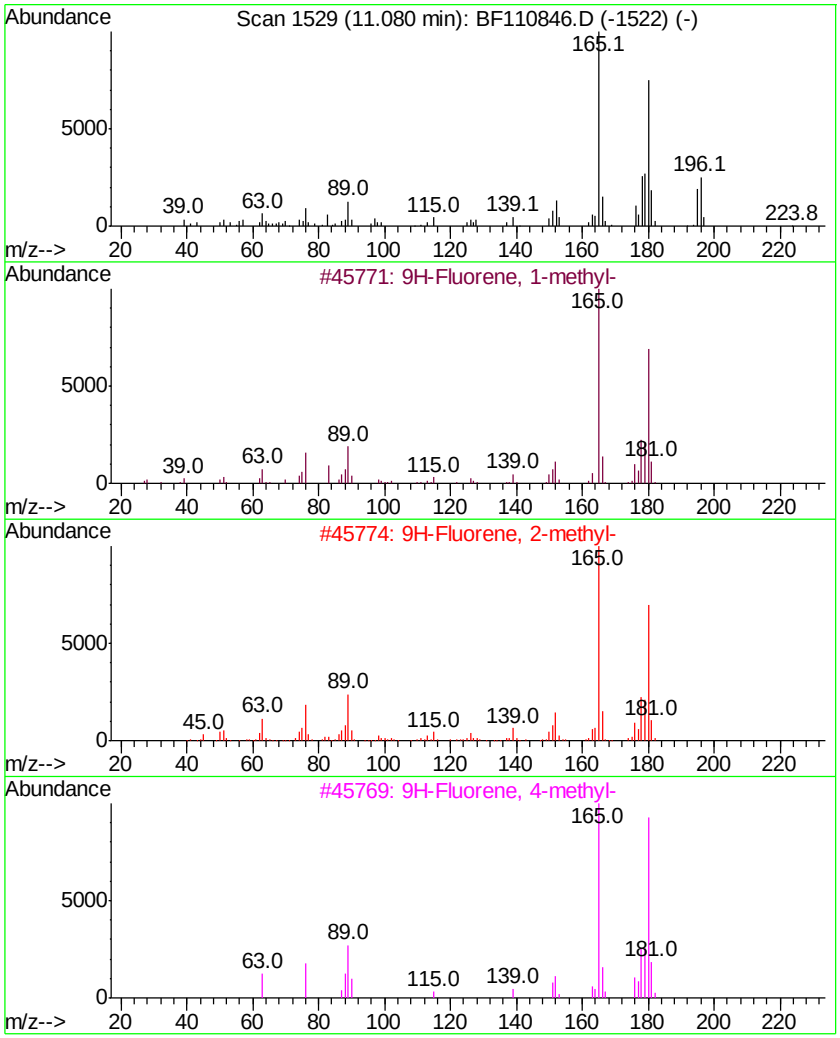
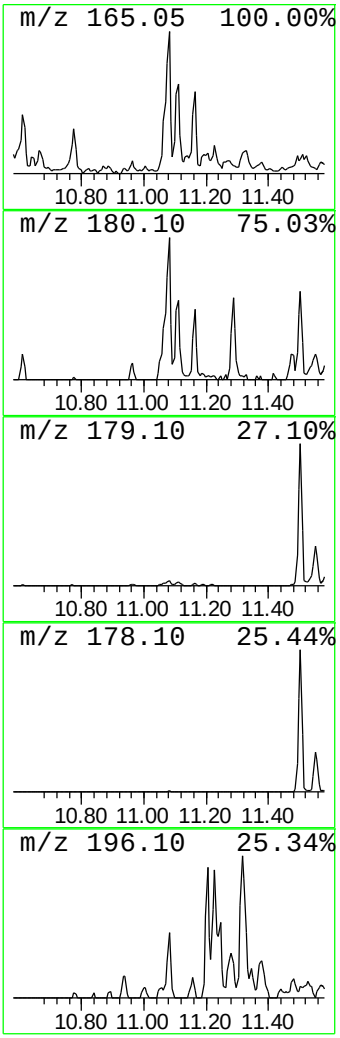
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	3.95 ng	121709	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





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Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

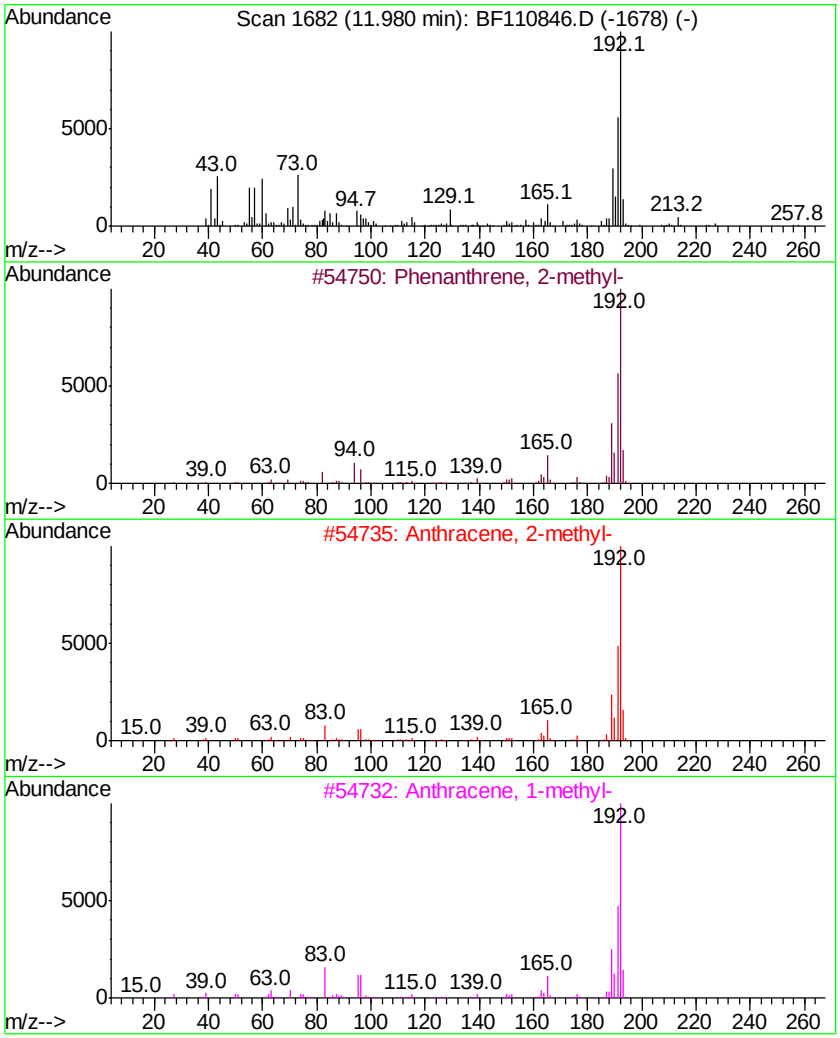
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

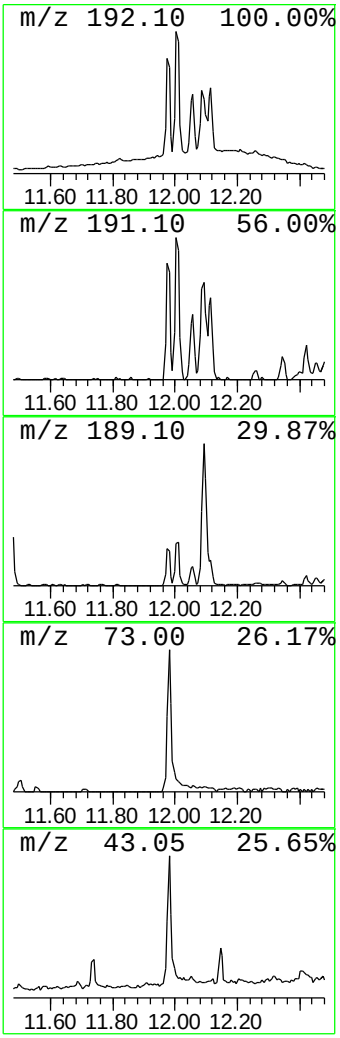
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	13.00 ng	400818	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110846.D
Acq On : 19 Nov 2018 12:10
Operator : JU/SJ
Sample : J5977-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

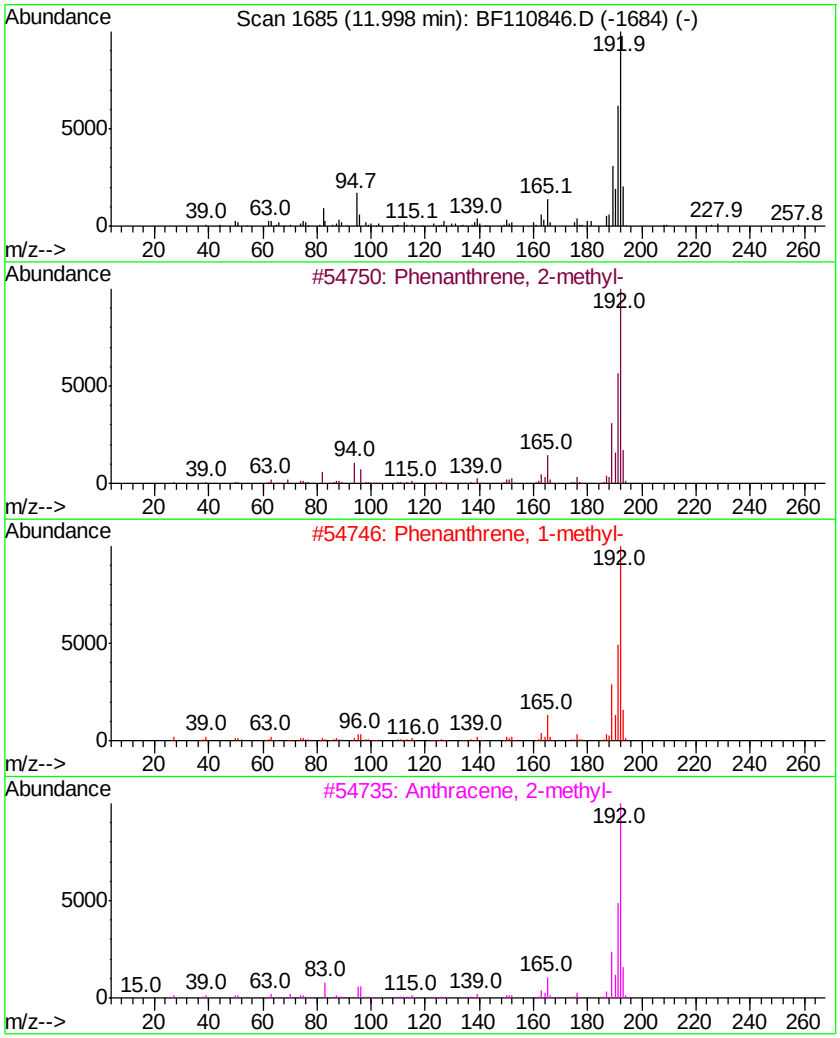
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

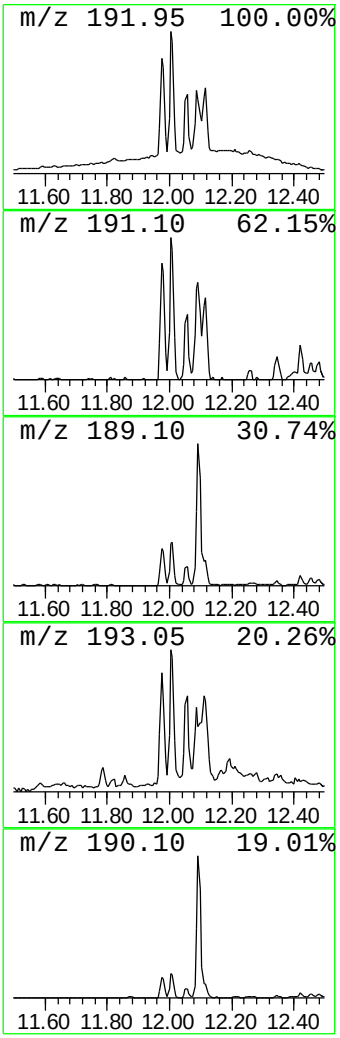
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.47 ng	261264	Phenanthrene-d10	11.47

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	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110846.D
Acq On : 19 Nov 2018 12:10
Operator : JU/SJ
Sample : J5977-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

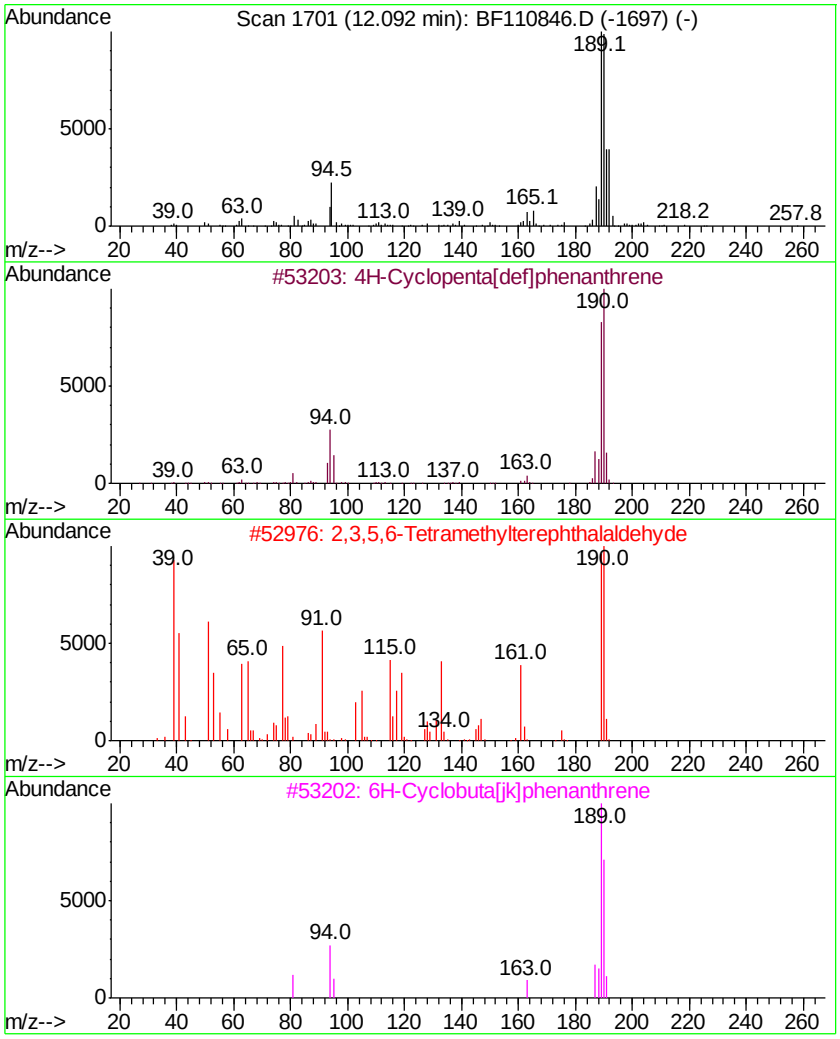
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

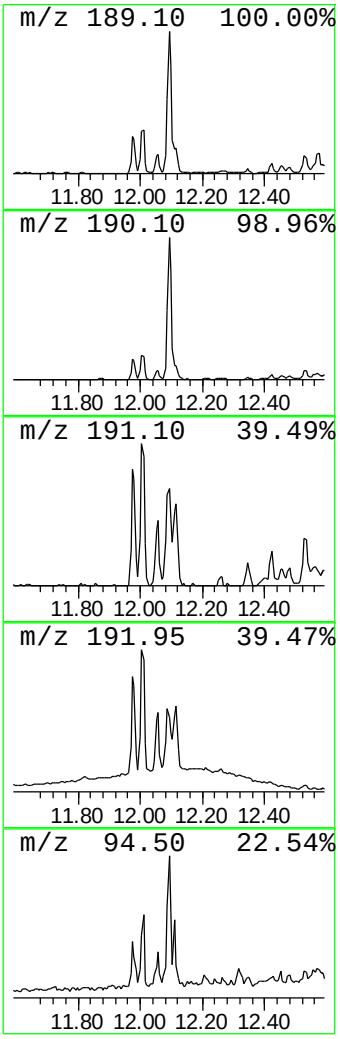
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	12.94 ng	398845	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

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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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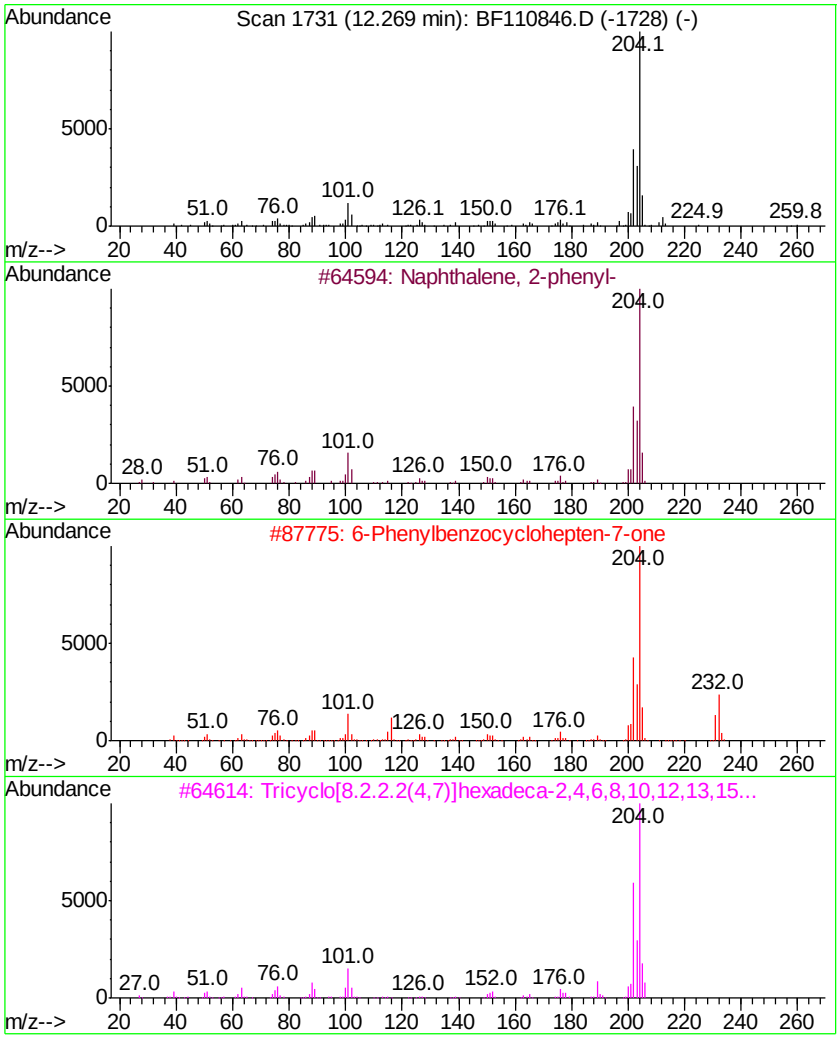
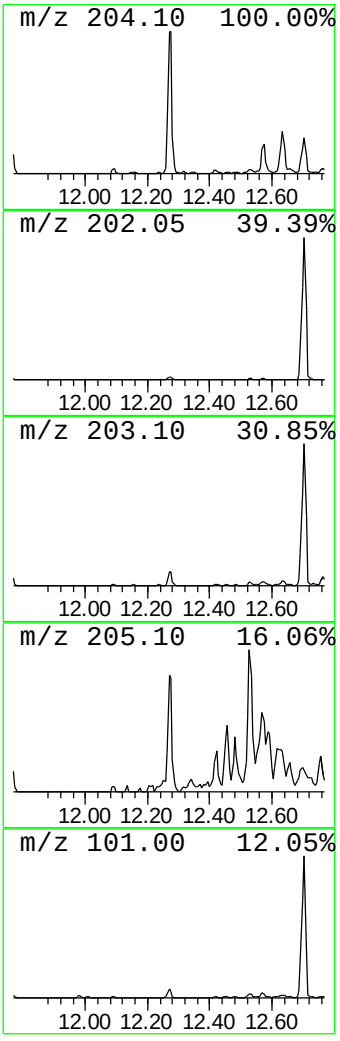
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	5.63 ng	173724	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86





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Sample : J5977-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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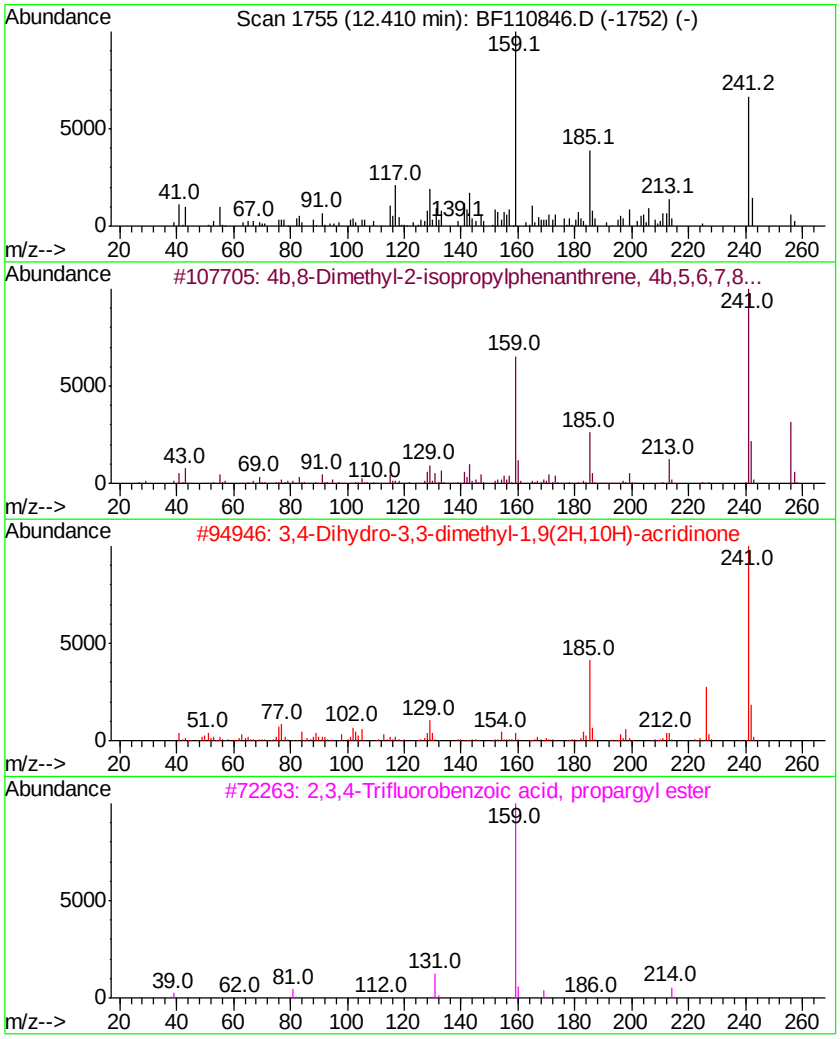
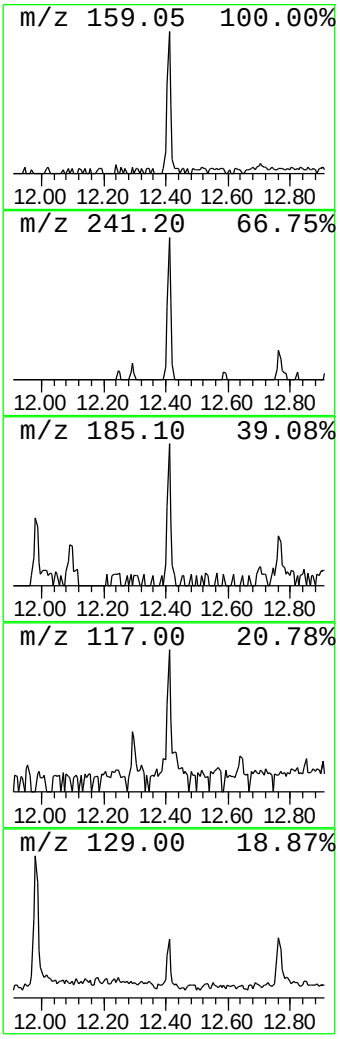
****

Peak Number 9 unknown12.41 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	4.54 ng	140011	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	43
2	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	30
3	2,3,4-Trifluorobenzoic acid, pro...	214	C10H5F3O2	1000325-77-6	22
4	Quinoline, 6-methoxy-	159	C10H9NO	005263-87-6	22
5	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	18





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

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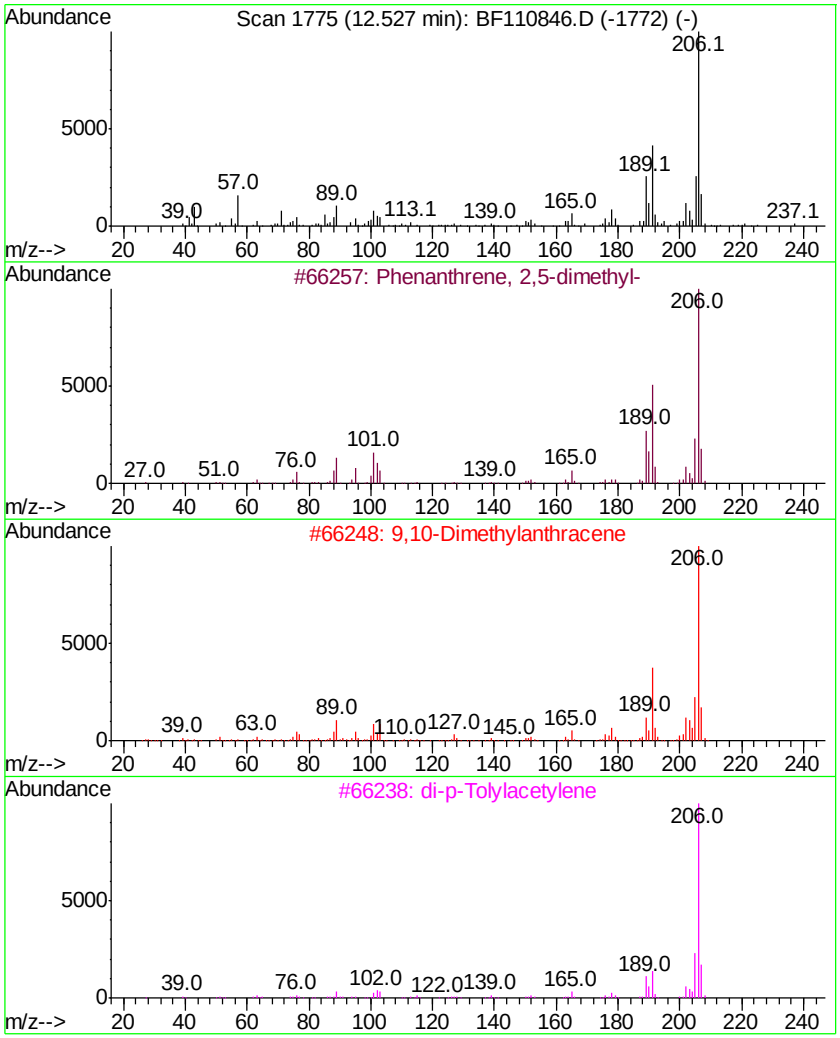
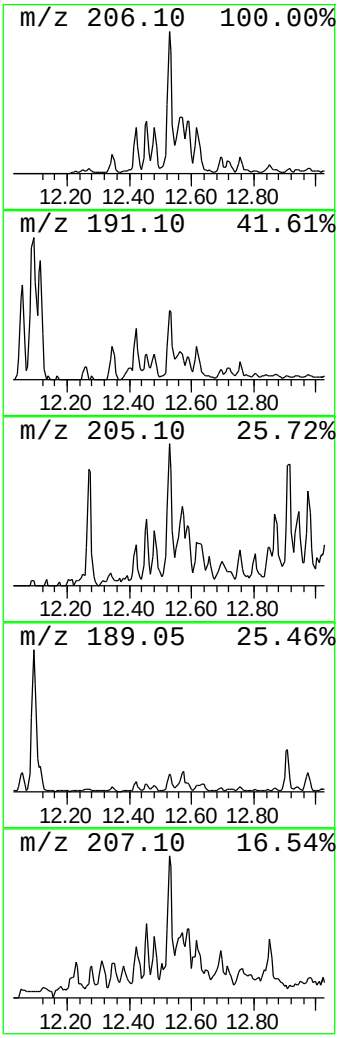
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	6.37 ng	196477	Phenanthrene-d10	11.47

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	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Operator : JU/SJ
Sample : J5977-08
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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

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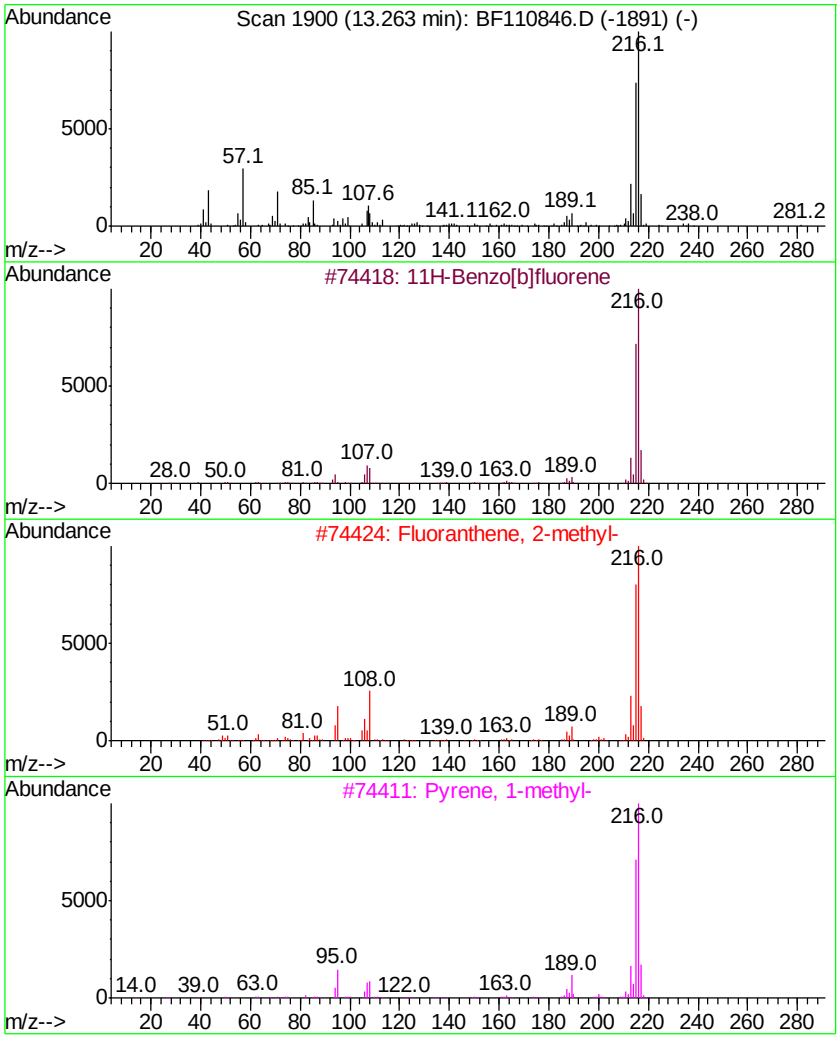
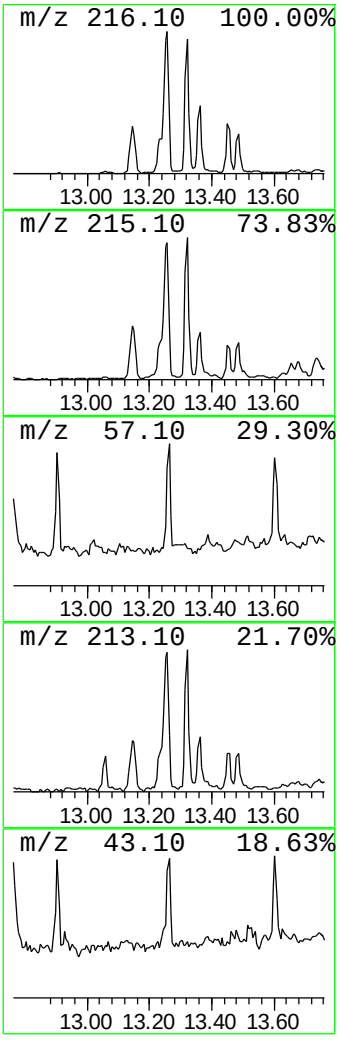
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	5.75 ng	432648	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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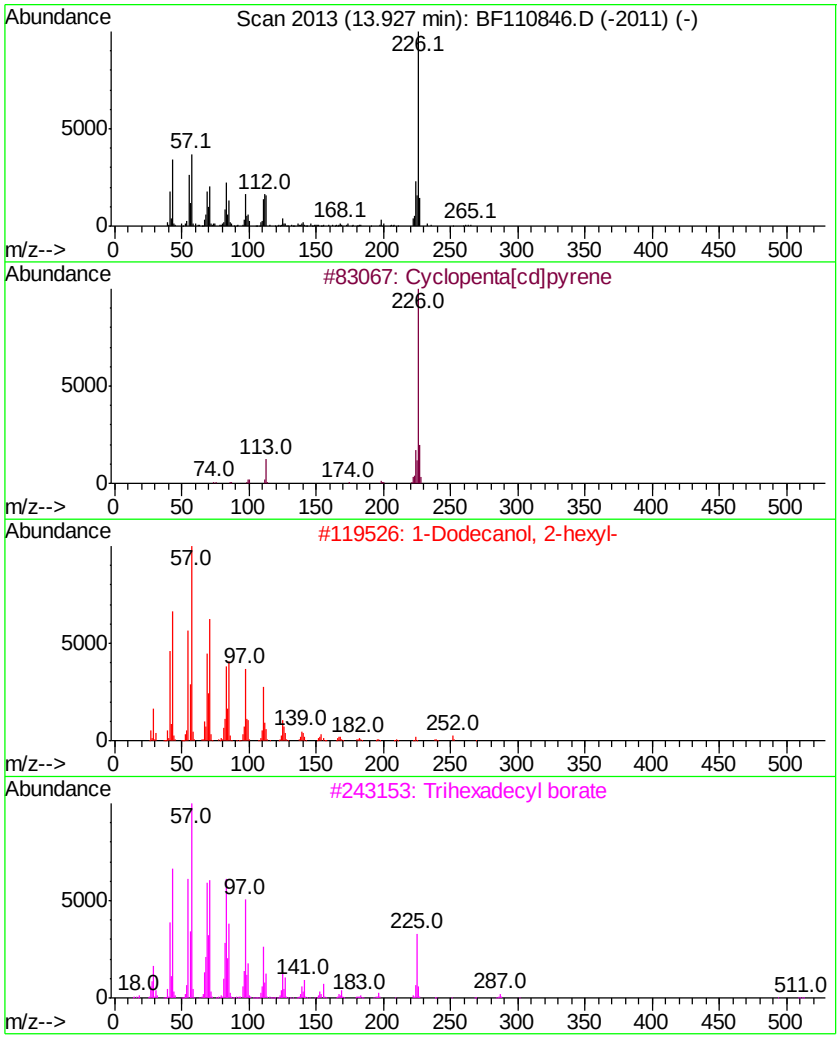
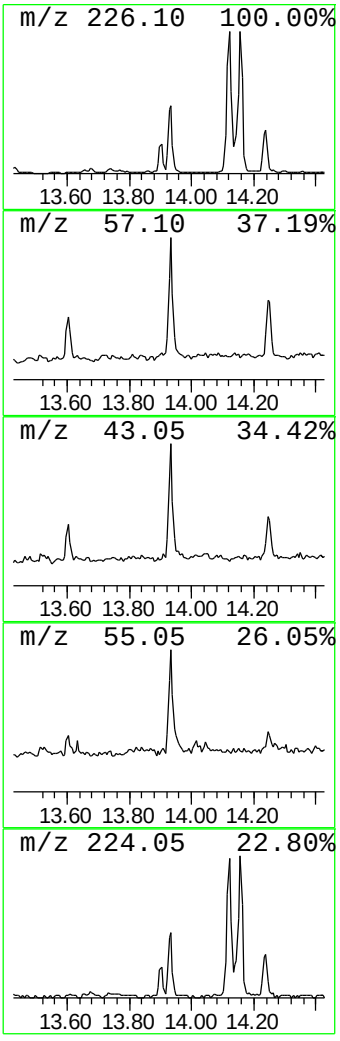
Peak Number 12 unknown13.93 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	4.15 ng	312600	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	20
3	Trihexadecyl borate	735	C48H99BO3	002665-11-4	18
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	15
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	15





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Sample : J5977-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MMTW-03(8-10)

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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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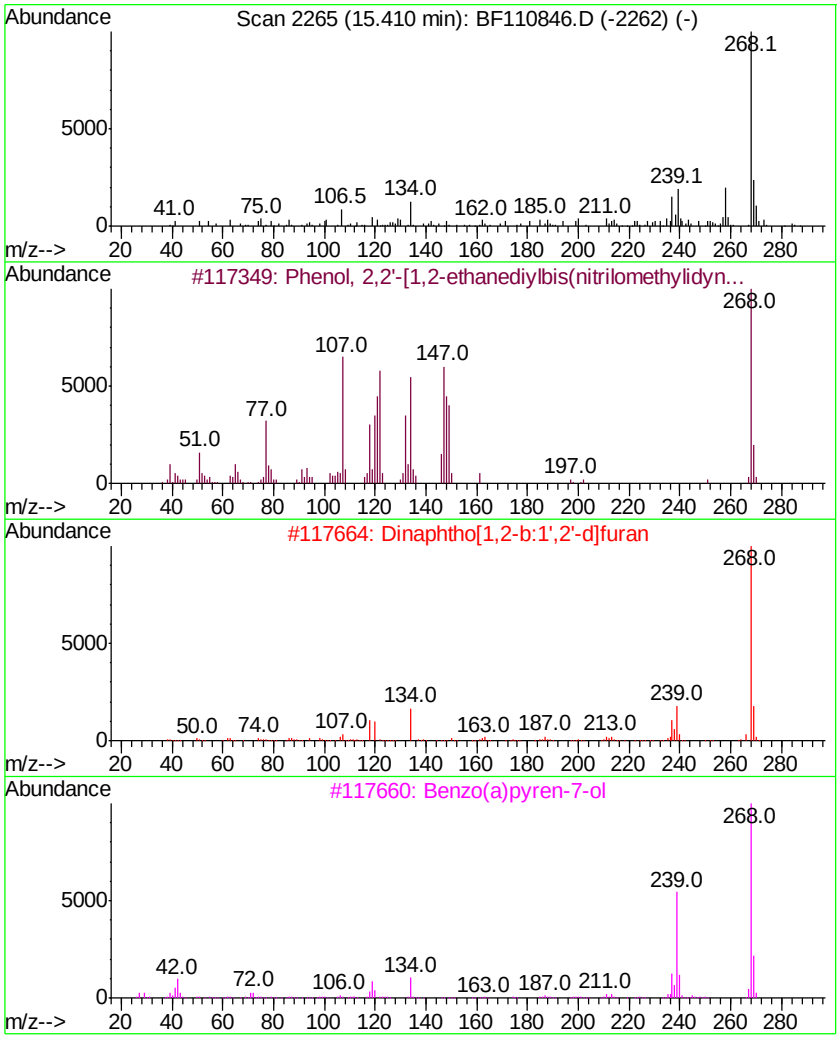
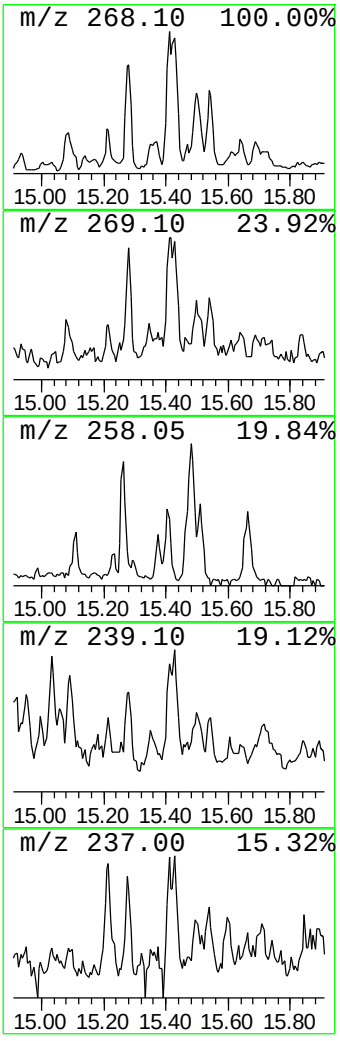
Peak Number 14 Phenol, 2,2'-[1,2-ethanediy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	4.45 ng	94237	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	92
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	70
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	62
5	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59





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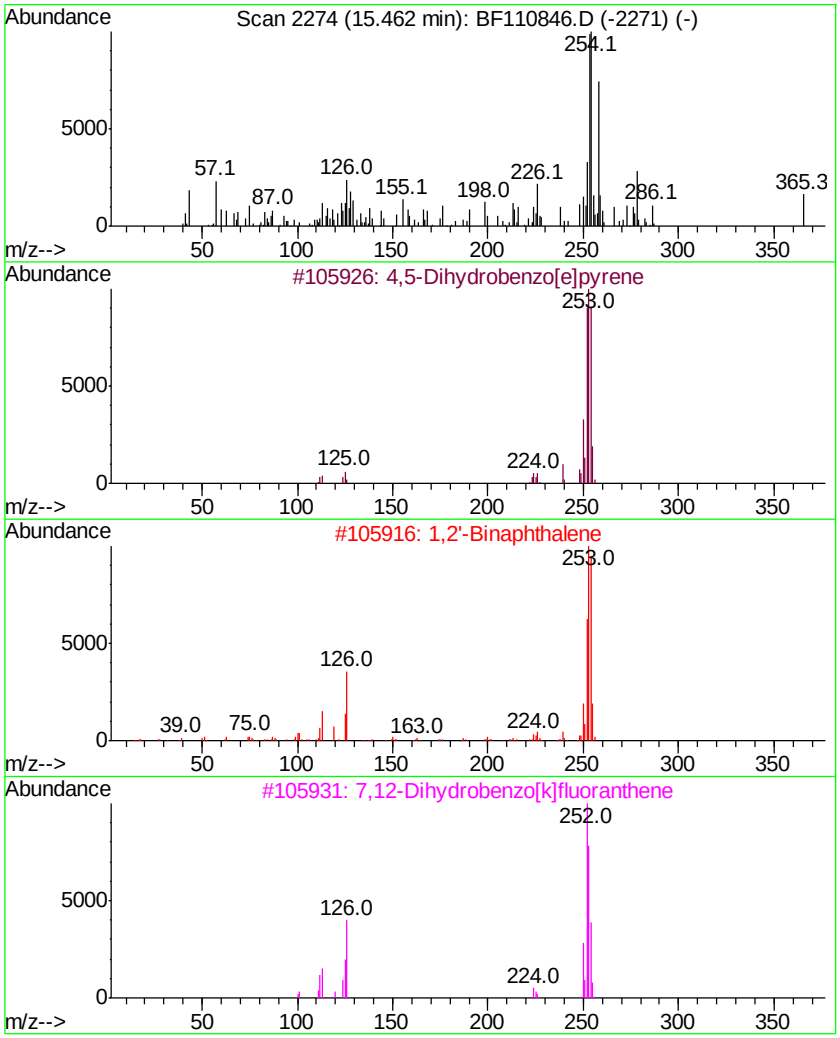
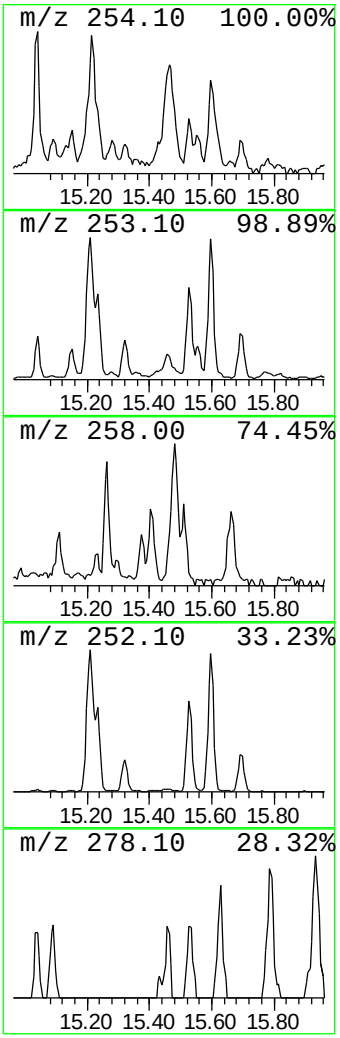
Peak Number 15 4,5-Dihydrobenzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	5.18 ng	109575	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	50
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	43
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	43
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	43
5	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	43





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TIC Integration Parameters: LSCINT.P

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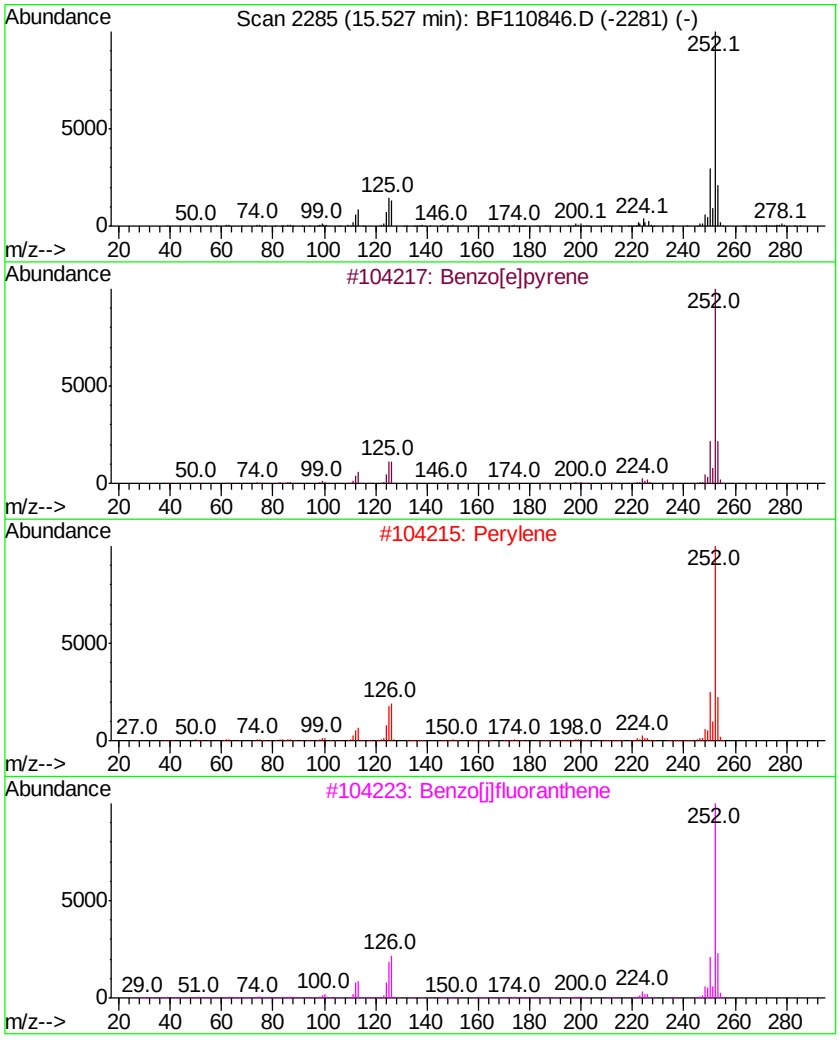
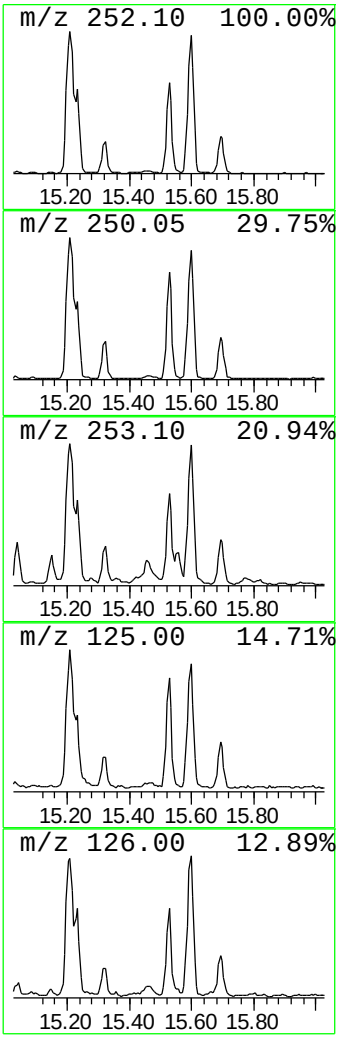
Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	25.22 ng	533595	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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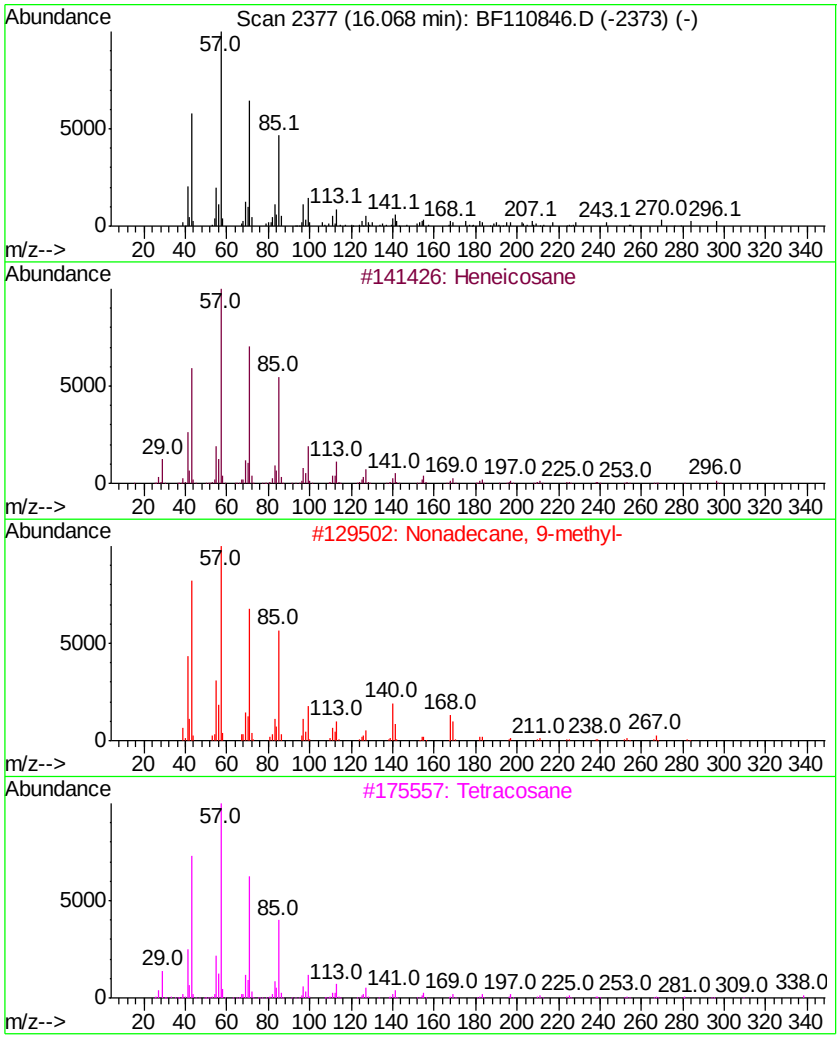
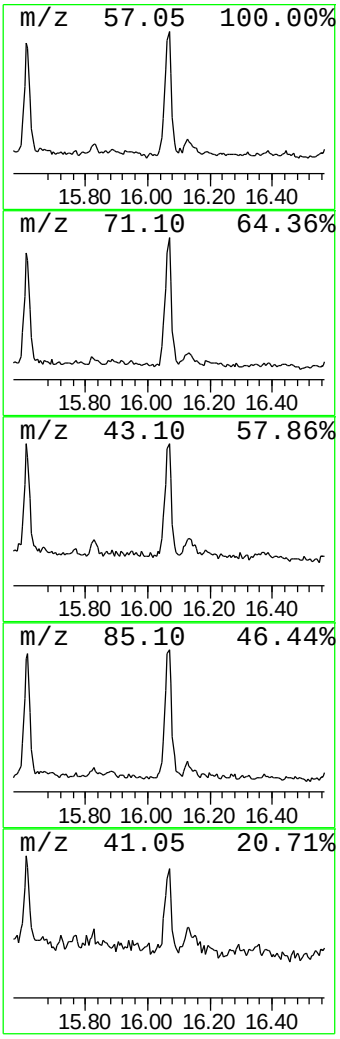
Peak Number 17 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	7.16 ng	151465	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	87
3	Tetracosane	338	C24H50	000646-31-1	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Hexacosane	366	C26H54	000630-01-3	87





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.23	7.2	ng	145359	1	6.94	405908	20.0
unknown6.71	6.71	56.6	ng	1149570	1	6.94	405908	20.0
9H-Fluorene, 1-me...	11.08	4.0	ng	121709	4	11.47	616675	20.0
Phenanthrene, 2-m...	11.98	13.0	ng	400818	4	11.47	616675	20.0
Phenanthrene, 1-m...	12.00	8.5	ng	261264	4	11.47	616675	20.0
4H-Cyclopenta[def...	12.09	12.9	ng	398845	4	11.47	616675	20.0
Naphthalene, 2-ph...	12.27	5.6	ng	173724	4	11.47	616675	20.0
unknown12.41	12.41	4.5	ng	140011	4	11.47	616675	20.0
Phenanthrene, 2,5...	12.53	6.4	ng	196477	4	11.47	616675	20.0
11H-Benzo[b]fluorene	13.26	5.8	ng	432648	5	14.13	1505520	20.0
unknown13.93	13.93	4.2	ng	312600	5	14.13	1505520	20.0
Phenol, 2,2'-[1,2...	15.41	4.5	ng	94237	6	15.66	423094	20.0
4,5-Dihydrobenzo[...	15.46	5.2	ng	109575	6	15.66	423094	20.0
Benzo[e]pyrene	15.53	25.2	ng	533595	6	15.66	423094	20.0
Heneicosane	16.07	7.2	ng	151465	6	15.66	423094	20.0