LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101337.D
Acq On : 12 Dec 2017 18:38
Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.051	500	504	515	rBV	54855	87016	6.96%	0.455%
2	5.445	567	571	590	rVB	1173345	1186471	94.84%	6.201%
3	6.469	740	745	757	rBV	1108599	1251004	100.00%	6.538%
4	6.598	762	767	770	rBV	1410369	1246377	99.63%	6.514%
5	6.822	801	805	812	rBV	365840	288303	23.05%	1.507%
6	6.981	828	832	835	rBV	1040883	888562	71.03%	4.644%
7	7.392	897	902	905	rBV	793581	727112	58.12%	3.800%
8	8.104	1020	1023	1025	rBV	454720	355202	28.39%	1.856%
9	8.128	1025	1027	1030	rVB	68590	56445	4.51%	0.295%
10	8.822	1142	1145	1151	rVB	25363	26122	2.09%	0.137%
11	8.916	1156	1161	1165	rVB	23227	18362	1.47%	0.096%
12	9.181	1201	1206	1209	rBV	1369507	1104686	88.30%	5.773%
13	9.251	1215	1218	1221	rVB	21160	16150	1.29%	0.084%
14	9.445	1247	1251	1255	rBV	23427	24798	1.98%	0.130%
15	9.516	1257	1263	1266	rVV2	17309	22765	1.82%	0.119%
16	9.575	1269	1273	1280	rVB	207315	183216	14.65%	0.958%
17	9.722	1295	1298	1301	rBV	46740	36784	2.94%	0.192%
18	9.781	1303	1308	1312	rVB	37985	31032	2.48%	0.162%
19	9.863	1318	1322	1325	rVV	407988	344169	27.51%	1.799%
20	9.892	1325	1327	1331	rVB	79283	60540	4.84%	0.316%
21	10.069	1354	1357	1360	rBV	45185	37419	2.99%	0.196%
22	10.280	1386	1393	1396	rBV2	47175	50340	4.02%	0.263%
23	10.410	1411	1415	1419	rVB	66552	56862	4.55%	0.297%
24	10.498	1427	1430	1432	rVB3	27991	23503	1.88%	0.123%
25	10.569	1439	1442	1449	rVB2	17241	20422	1.63%	0.107%
26	10.657	1453	1457	1461	rBV	745524	671713	53.69%	3.510%
27	10.757	1470	1474	1478	rBV3	41698	58975	4.71%	0.308%
28	10.963	1502	1509	1511	rBV4	22888	34769	2.78%	0.182%
29	11.086	1525	1530	1532	rBV4	18563	27644	2.21%	0.144%
30	11.110	1532	1534	1538	rVV3	21975	24953	1.99%	0.130%
31	11.163	1539	1543	1547	rVV	28308	32005	2.56%	0.167%
32	11.204	1547	1550	1552	rVV2	43698	43418	3.47%	0.227%
33	11.251	1556	1558	1564	rVB	41624	33828	2.70%	0.177%
34	11.357	1572	1576	1578	rBV	370934	364763	29.16%	1.906%

LSC Area Percent Report

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Acq On : 12 Dec 2017 18:38
Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.380	1578	1580	1583	rVV	653064	479527	38.33%	2.506%
36	11.433	1583	1589	1591	rVV	157973	155946	12.47%	0.815%
37	11.469	1591	1595	1600	rVB3	22430	31466	2.52%	0.164%
38	11.586	1611	1615	1620	rBV2	60249	79550	6.36%	0.416%
39	11.698	1630	1634	1637	rVB4	15317	20523	1.64%	0.107%
40	11.857	1657	1661	1663	rBV	92128	90501	7.23%	0.473%
41	11.886	1663	1666	1669	rVV	122579	122311	9.78%	0.639%
42	11.933	1671	1674	1677	rVV	56506	46617	3.73%	0.244%
43	11.969	1677	1680	1683	rVV	138388	156693	12.53%	0.819%
44	11.992	1683	1684	1689	rVB	69828	42618	3.41%	0.223%
45	12.039	1689	1692	1695	rBV2	27044	28192	2.25%	0.147%
46	12.092	1698	1701	1704	rBV3	21368	23712	1.90%	0.124%
47	12.151	1708	1711	1715	rVB	65980	52646	4.21%	0.275%
48	12.186	1715	1717	1722	rBV2	36397	47444	3.79%	0.248%
49	12.298	1732	1736	1740	rBV3	30980	44933	3.59%	0.235%
50	12.357	1744	1746	1748	rVB	25107	17571	1.40%	0.092%
51	12.404	1748	1754	1757	rBV	58850	73620	5.88%	0.385%
52	12.445	1757	1761	1763	rVV3	37585	49963	3.99%	0.261%
53	12.504	1766	1771	1775	rVB3	46838	55645	4.45%	0.291%
54	12.574	1779	1783	1787	rBV	873247	824588	65.91%	4.309%
55	12.610	1787	1789	1791	rVB2	19411	16168	1.29%	0.084%
56	12.639	1791	1794	1796	rBV2	24608	23275	1.86%	0.122%
57	12.669	1796	1799	1802	rVB	23217	21023	1.68%	0.110%
58	12.721	1805	1808	1811	rBV	36370	38243	3.06%	0.200%
59	12.751	1811	1813	1816	rVB3	24326	22588	1.81%	0.118%
60	12.810	1816	1823	1827	rBV	762445	935874	74.81%	4.891%
61	12.851	1827	1830	1834	rVB2	52024	54086	4.32%	0.283%
62	12.939	1838	1845	1848	rBV	957651	919807	73.53%	4.807%
63	12.969	1848	1850	1854	rVB	55306	48009	3.84%	0.251%
64	13.021	1854	1859	1863	rBV3	58435	104436	8.35%	0.546%
65	13.074	1866	1868	1871	rBV	26236	17967	1.44%	0.094%
66	13.110	1871	1874	1876	rBV2	55090	78443	6.27%	0.410%
67	13.133	1876	1878	1880	rVB	126652	97597	7.80%	0.510%
68	13.198	1886	1889	1891	rBV	105367	81645	6.53%	0.427%
69	13.233	1891	1895	1899	rVV2	82642	116790	9.34%	0.610%
70	13.327	1909	1911	1914	rVB	46222	38929	3.11%	0.203%
71	13.363	1914	1917	1920	rBV2	48757	52450	4.19%	0.274%

LSC Area Percent Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.527	1943	1945	1947	rBV3	16683	16390	1.31%	0.086%
73	13.557	1947	1950	1952	rVB	28057	24217	1.94%	0.127%
74	13.616	1958	1960	1963	rBV3	20767	23710	1.90%	0.124%
75	13.645	1963	1965	1969	rVB	64844	58713	4.69%	0.307%
76	13.757	1979	1984	1986	rBV	76215	97975	7.83%	0.512%
77	13.780	1986	1988	1990	rVV	87248	76695	6.13%	0.401%
78	13.827	1993	1996	1999	rVV3	169019	212794	17.01%	1.112%
79	13.857	1999	2001	2008	rVB	67169	75149	6.01%	0.393%
80	14.004	2019	2026	2029	rBV2	576229	888152	71.00%	4.642%
81	14.033	2029	2031	2035	rVB	430691	359589	28.74%	1.879%
82	14.116	2042	2045	2047	rBV	95042	75376	6.03%	0.394%
83	14.239	2064	2066	2068	rVB	46127	37569	3.00%	0.196%
84	14.357	2083	2086	2088	rBV3	48904	47299	3.78%	0.247%
85	14.392	2090	2092	2096	rVV	92893	85527	6.84%	0.447%
86	14.427	2096	2098	2100	rVV	36424	30572	2.44%	0.160%
87	14.492	2107	2109	2111	rBV	30381	26302	2.10%	0.137%
88	14.521	2112	2114	2116	rBV	39665	33352	2.67%	0.174%
89	14.715	2145	2147	2150	rBV3	28620	34101	2.73%	0.178%
90	14.898	2175	2178	2181	rVB2	42954	44843	3.58%	0.234%
91	15.057	2201	2205	2208	rBV	335218	486249	38.87%	2.541%
92	15.163	2220	2223	2227	rBV	93049	100929	8.07%	0.527%
93	15.362	2253	2257	2263	rVB	196139	242705	19.40%	1.268%
94	15.427	2263	2268	2272	rVV	317913	385604	30.82%	2.015%
95	15.486	2275	2278	2281	rVV	181674	222080	17.75%	1.161%
96	15.515	2281	2283	2290	rVB2	93132	129307	10.34%	0.676%
97	16.980	2525	2532	2538	rVB	167543	317131	25.35%	1.657%
98	17.151	2555	2561	2566	rBV4	44589	92381	7.38%	0.483%
99	17.433	2603	2609	2620	rVB2	98060	221685	17.72%	1.159%
100	17.674	2645	2650	2661	rVB3	55016	141022	11.27%	0.737%

Sum of corrected areas: 19134544

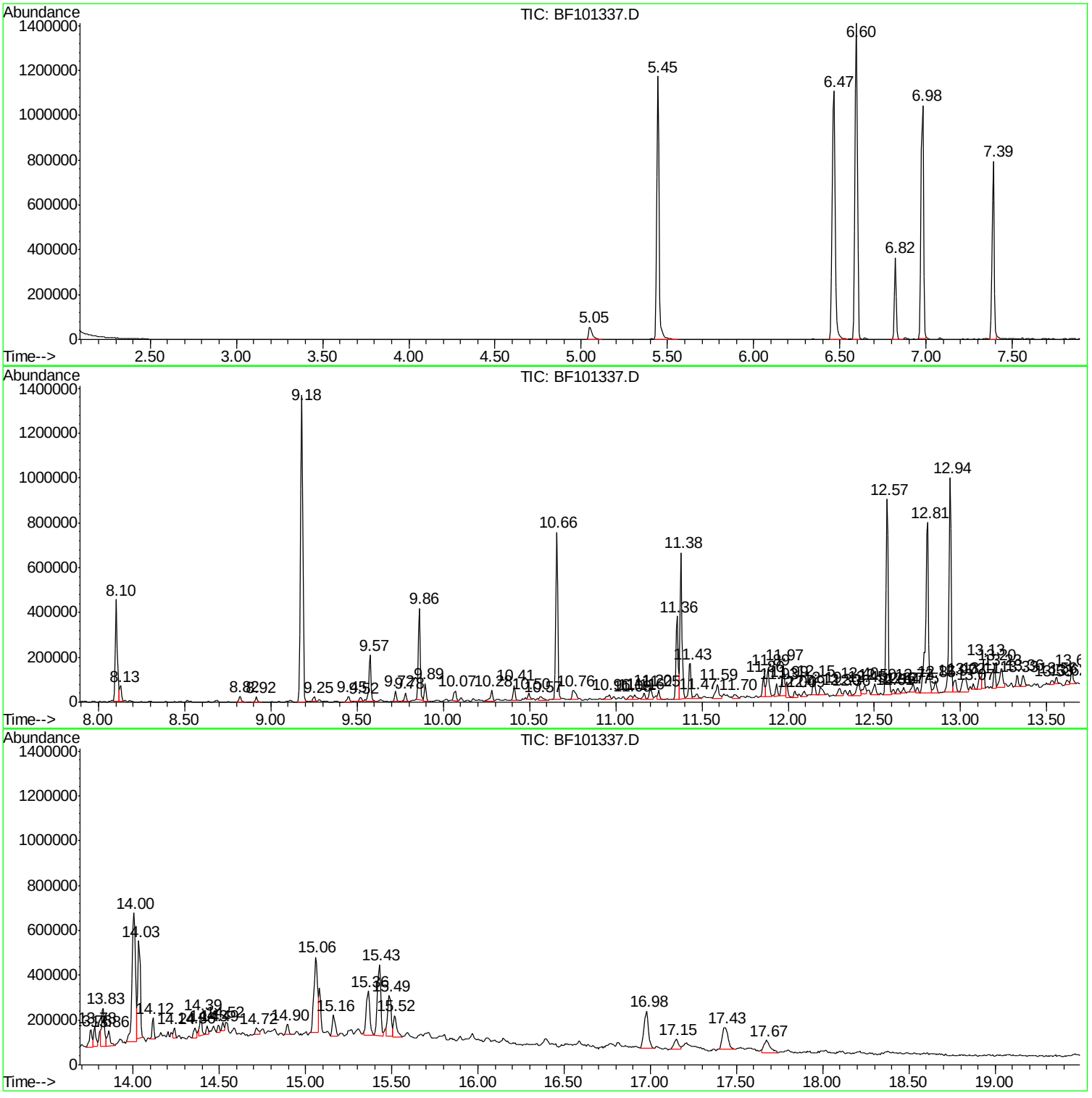
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101337.D
Acq On : 12 Dec 2017 18:38
Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101337.D
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Operator : SJ/JU
Sample : I6822-03
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Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

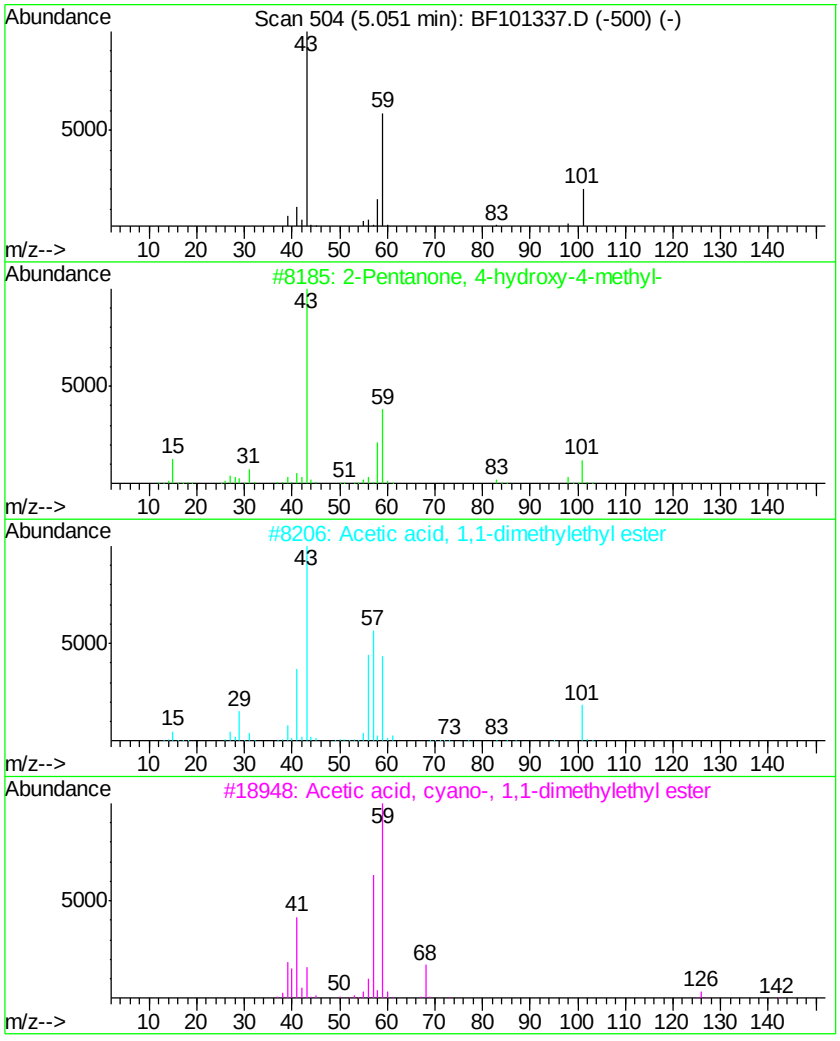
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

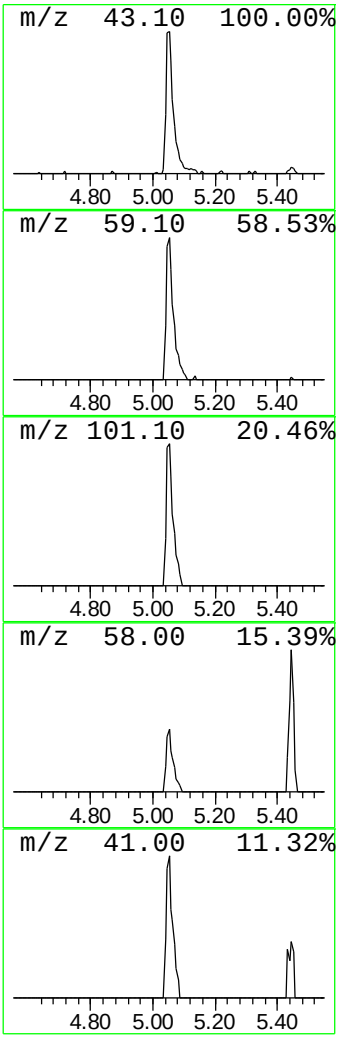
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	6.04 ng	87016	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
5	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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Acq On : 12 Dec 2017 18:38
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Sample : I6822-03
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Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

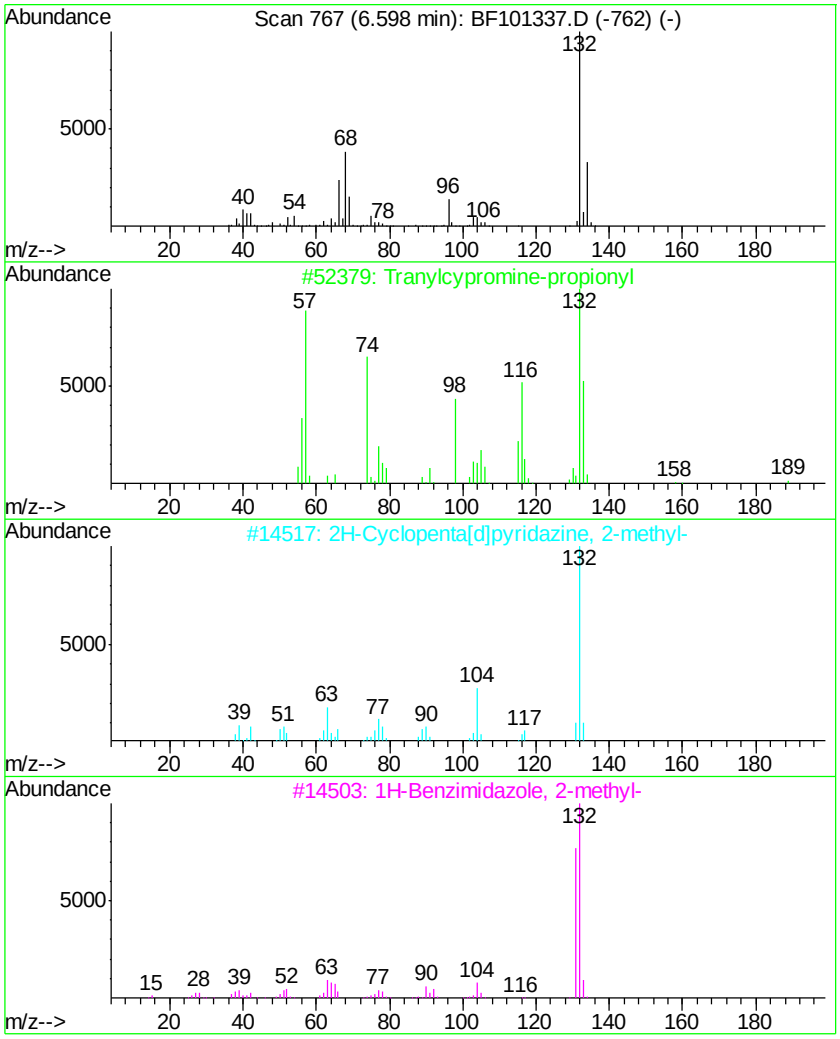
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

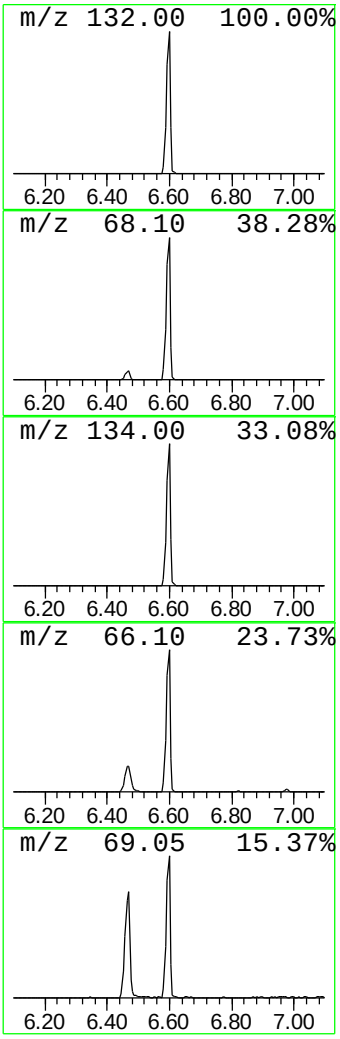
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	86.46 ng	1246380	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
2	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Sample : I6822-03
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Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
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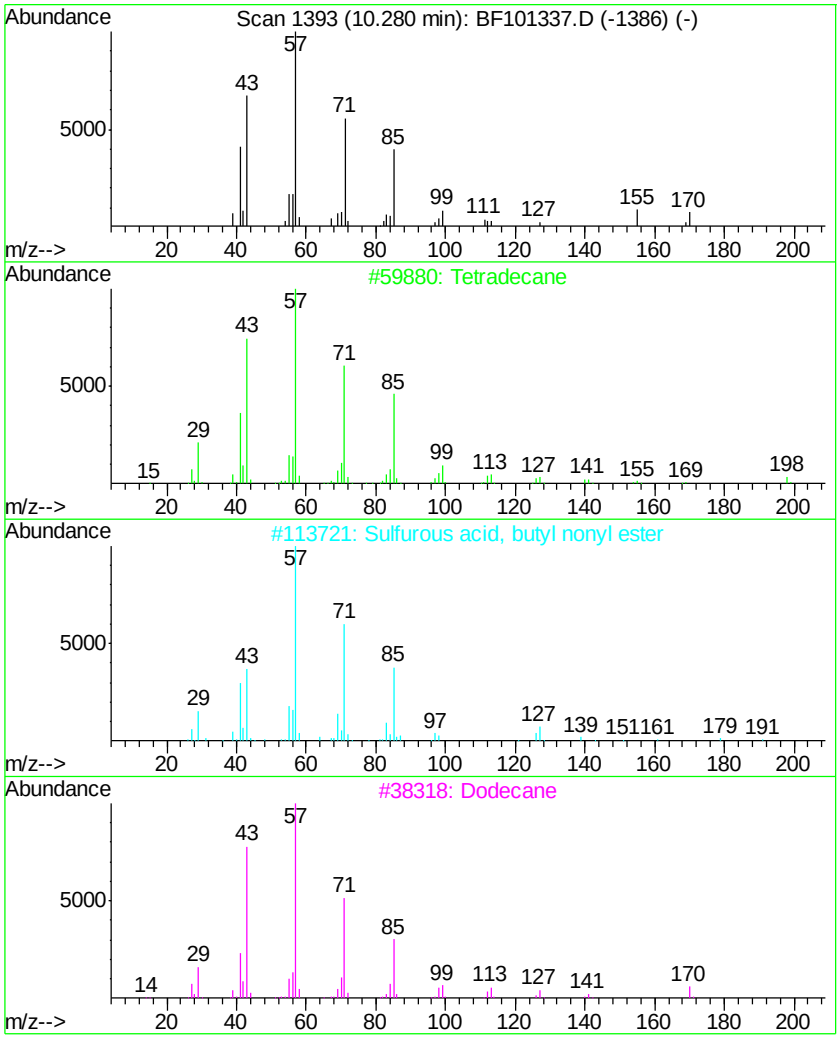
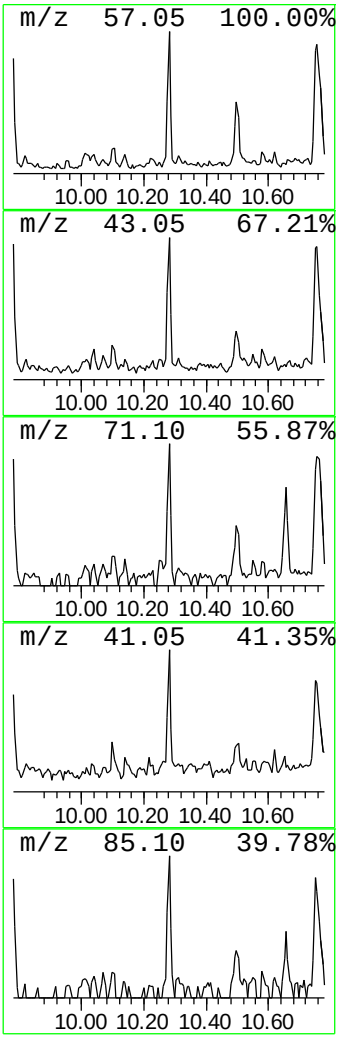
****

Peak Number 4 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	2.93 ng	50340	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	72
2	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64
3	Dodecane	170	C12H26	000112-40-3	64
4	Tridecane	184	C13H28	000629-50-5	64
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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Sample : I6822-03
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Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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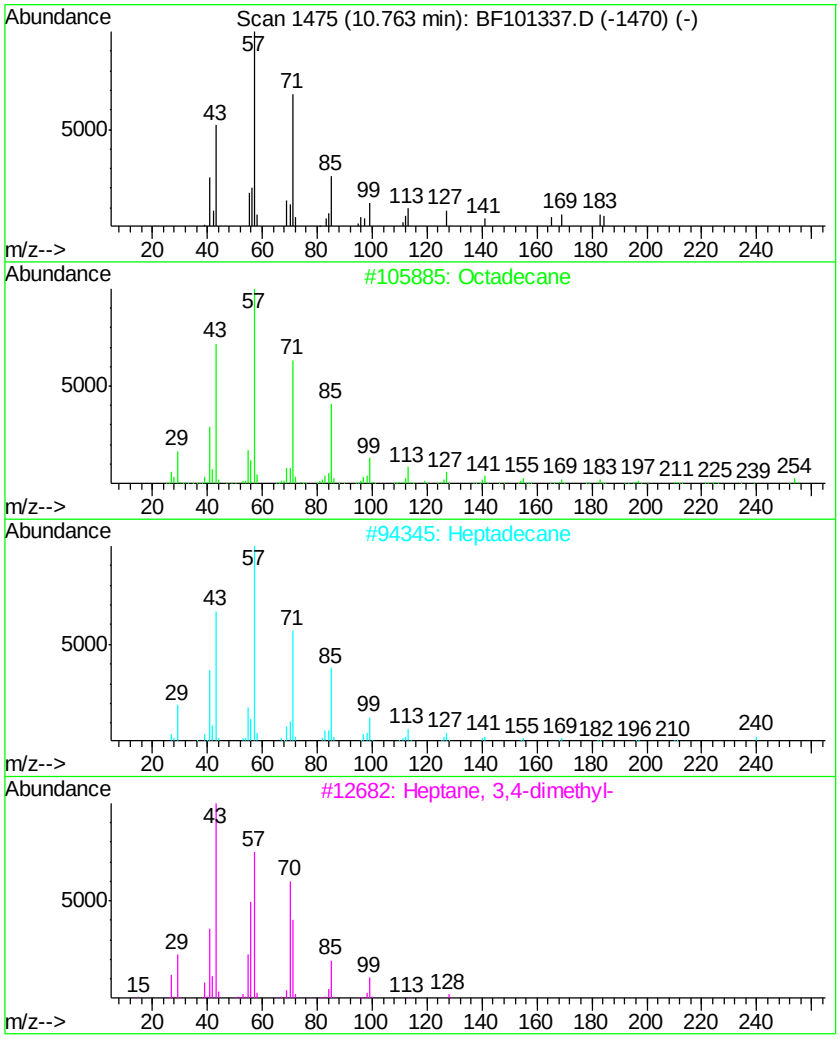
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

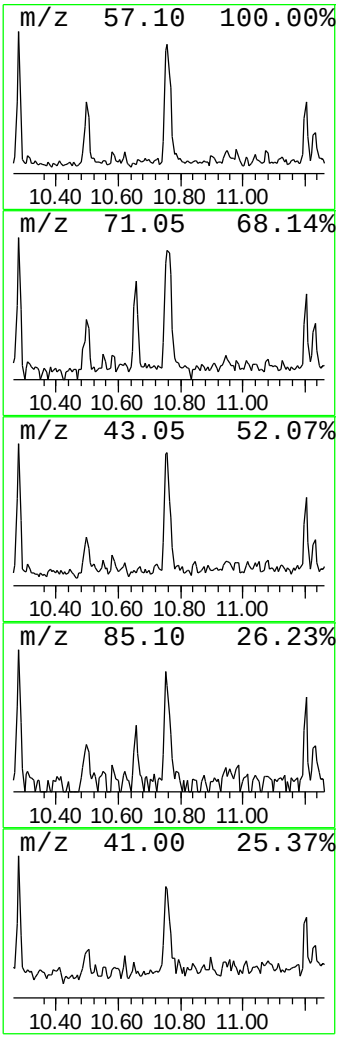
****

Peak Number 5 Octadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.23 ng	58975	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	80
2	Heptadecane	240	C17H36	000629-78-7	72
3	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	72
4	Eicosane	282	C20H42	000112-95-8	72
5	Pentadecane	212	C15H32	000629-62-9	72





Library Search Compound Report

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Data File : BF101337.D
Acq On : 12 Dec 2017 18:38
Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

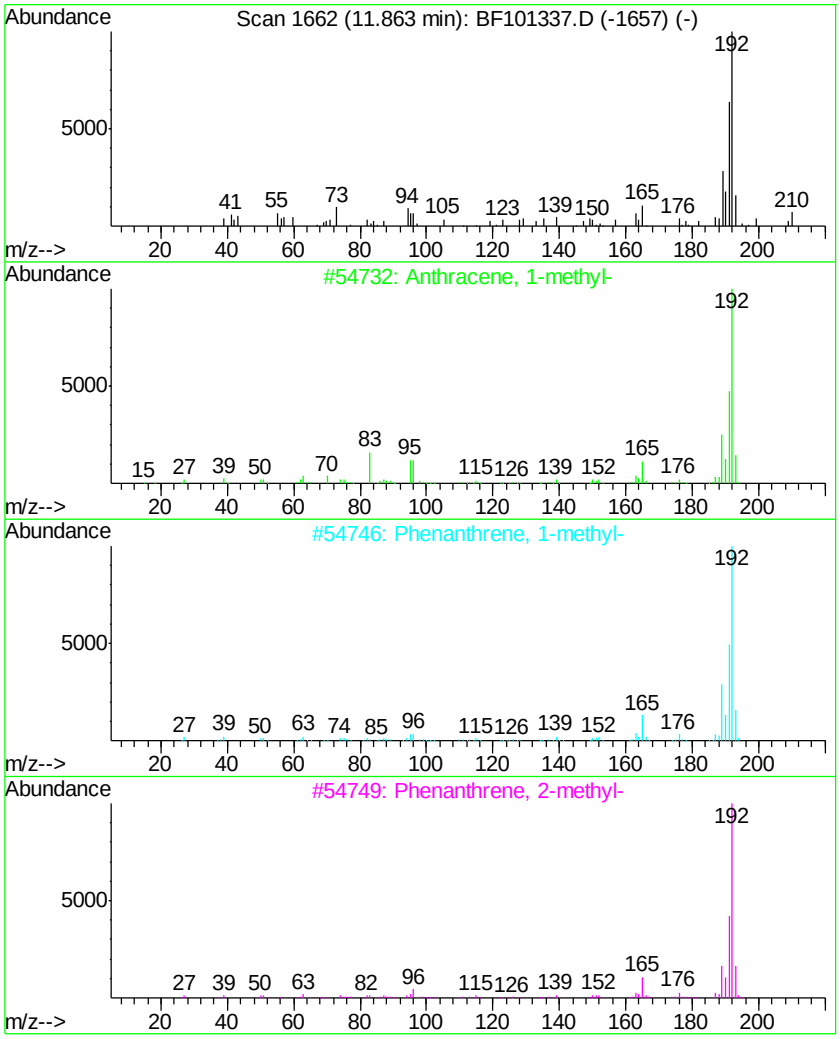
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

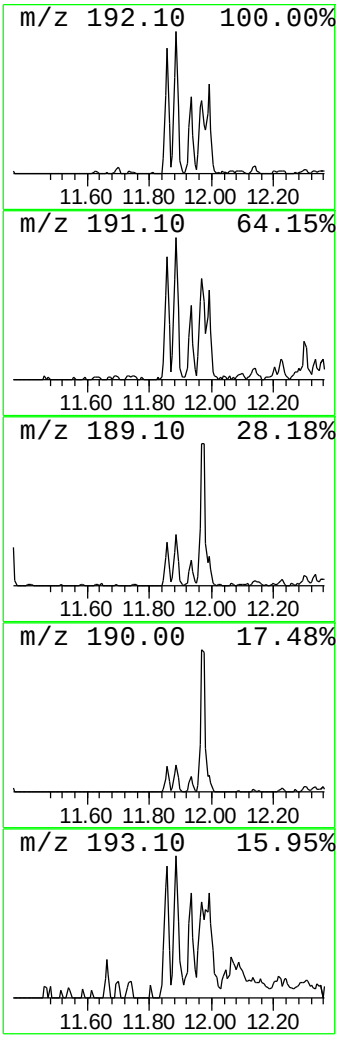
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.96 ng	90501	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101337.D
Acq On : 12 Dec 2017 18:38
Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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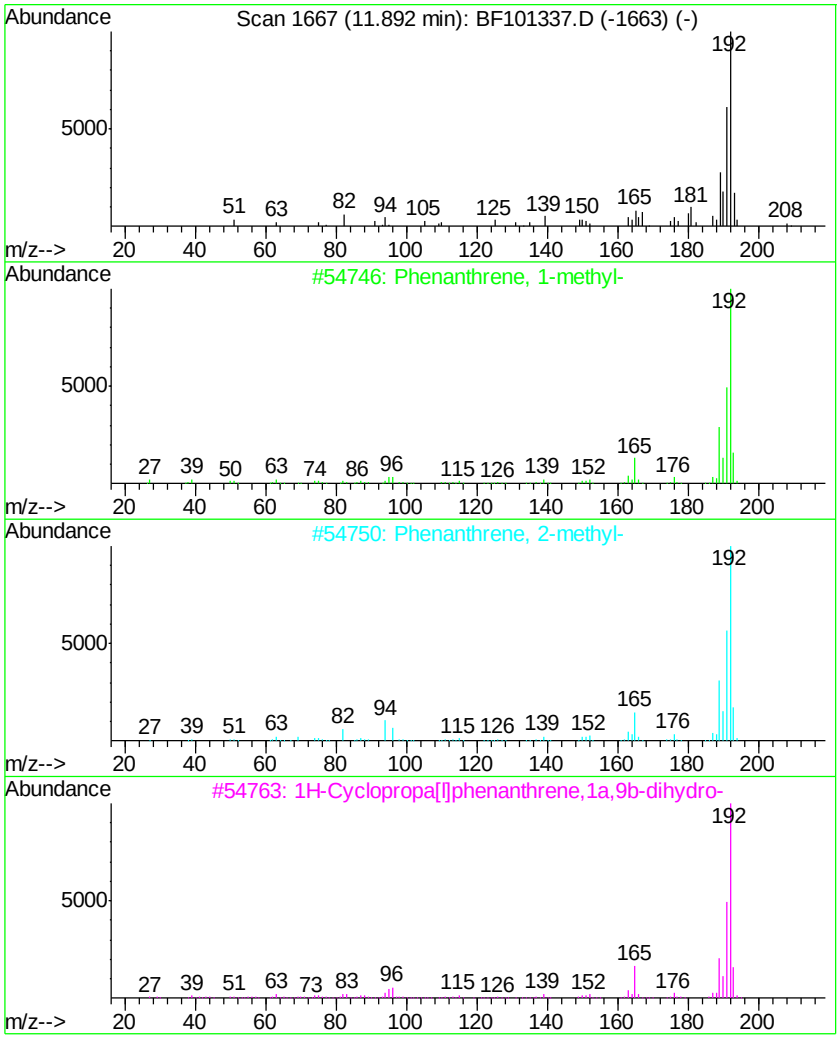
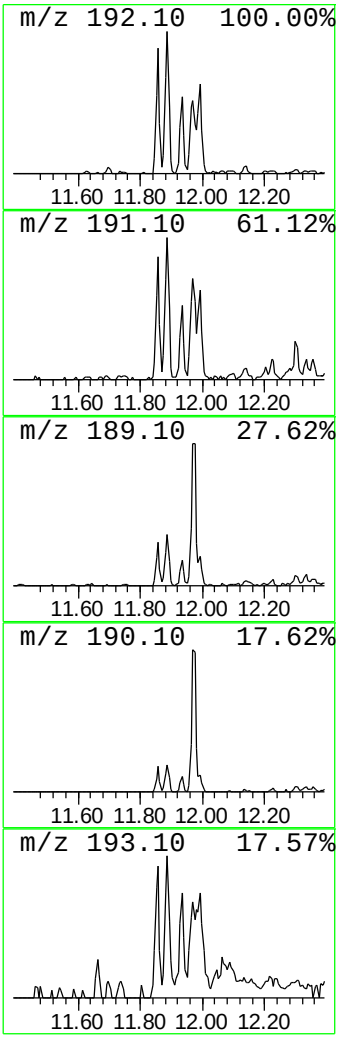
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.71 ng	122311	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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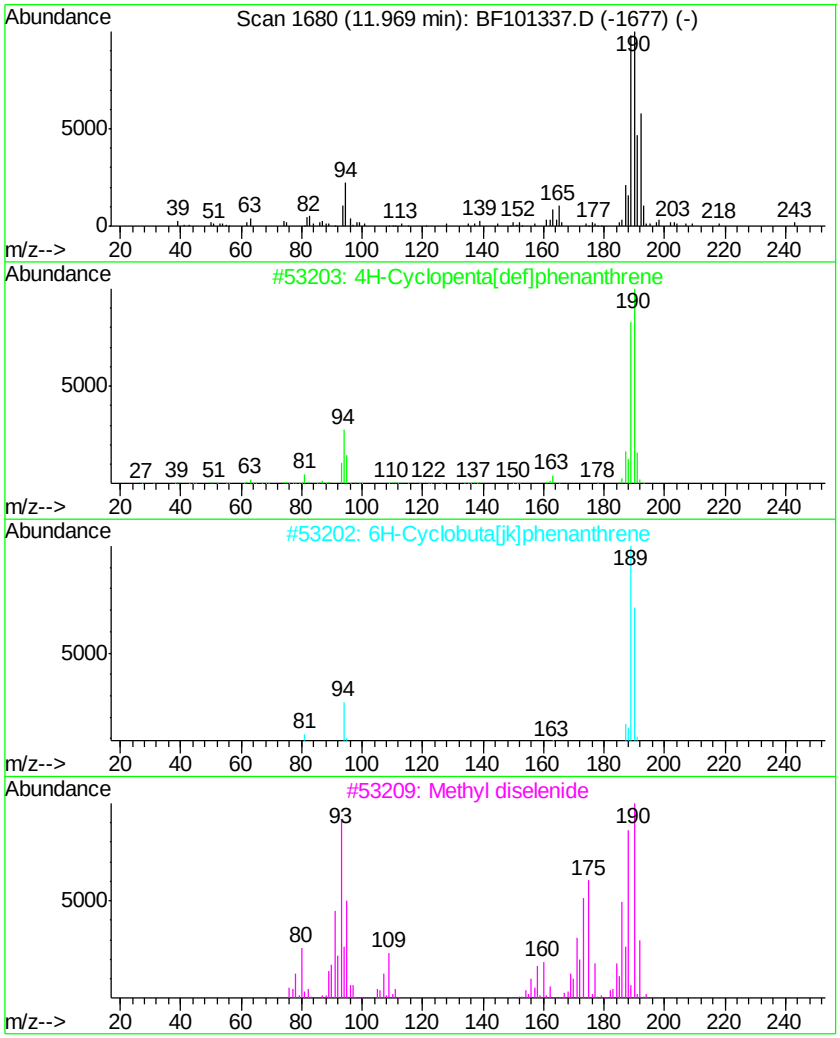
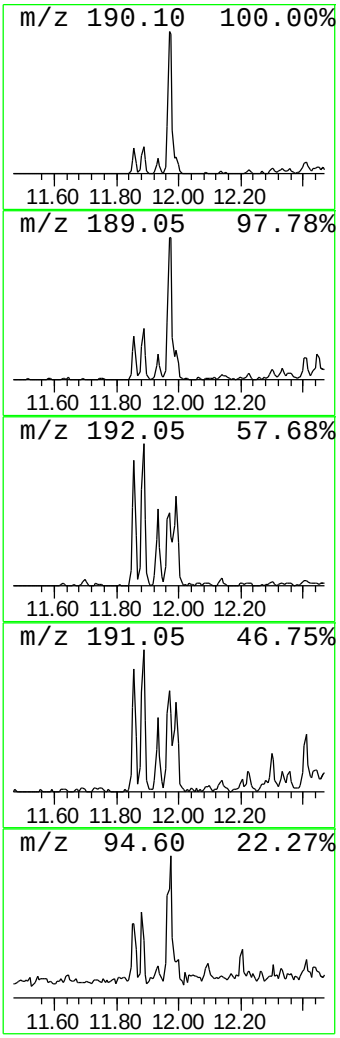
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	8.59 ng	156693	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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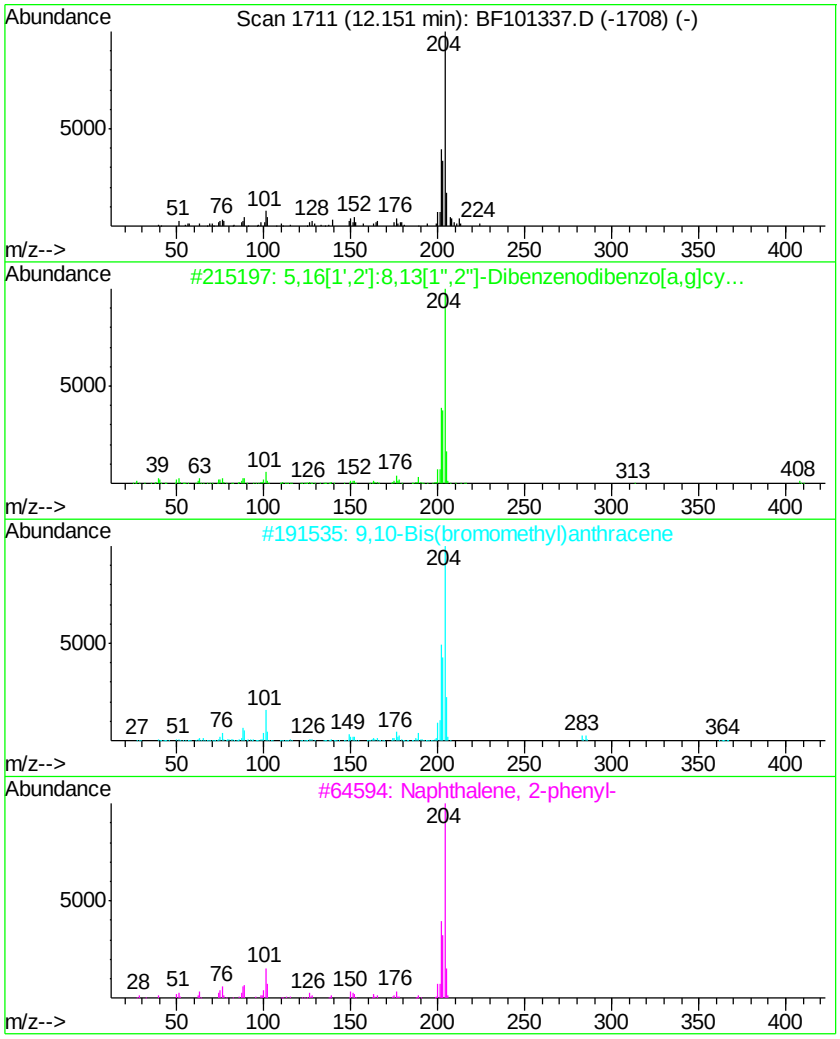
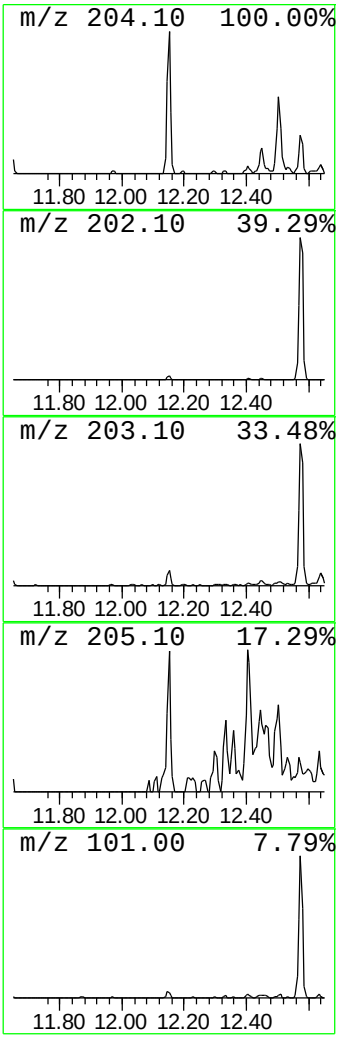
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	2.89 ng	52646	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





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Misc :
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Instrument : BNA_F
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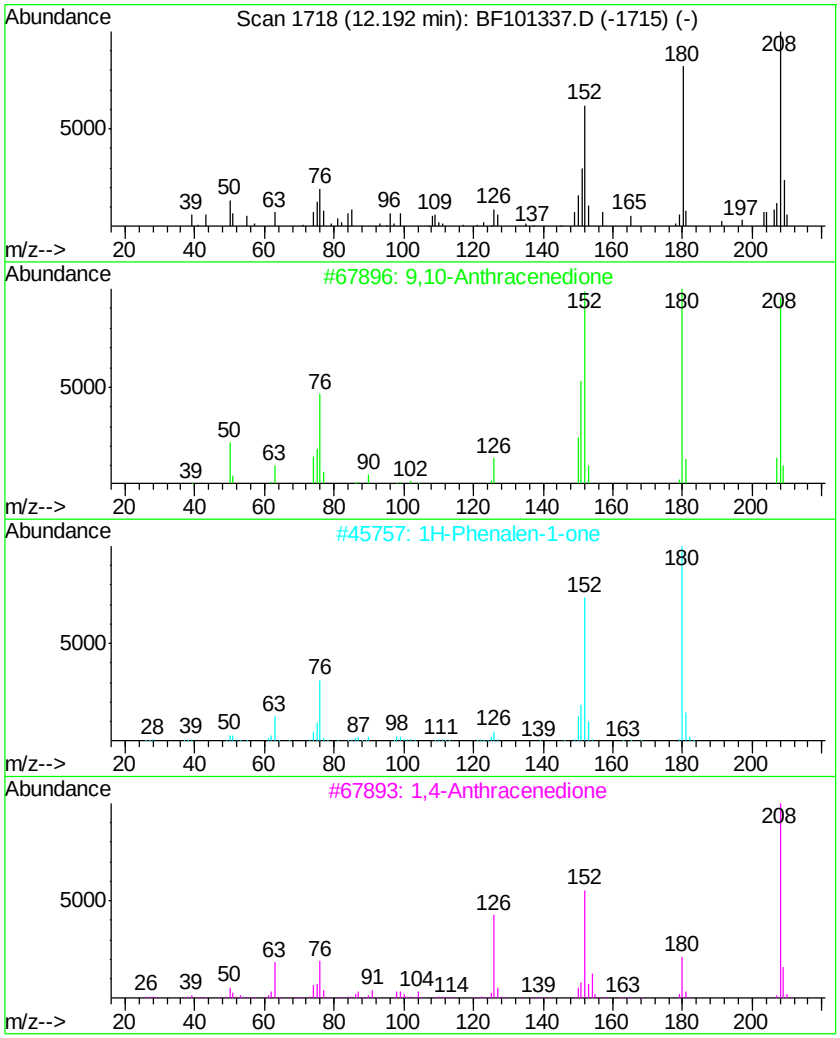
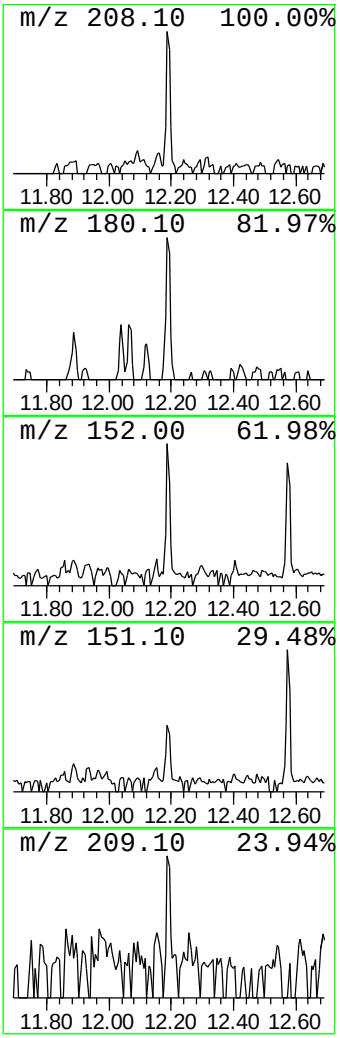
Peak Number 10 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.60 ng	47444	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49
5	2(1H)-Pyridone, 4-hydroxy-6-meth...	209	C11H15NO3	007135-84-4	49





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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

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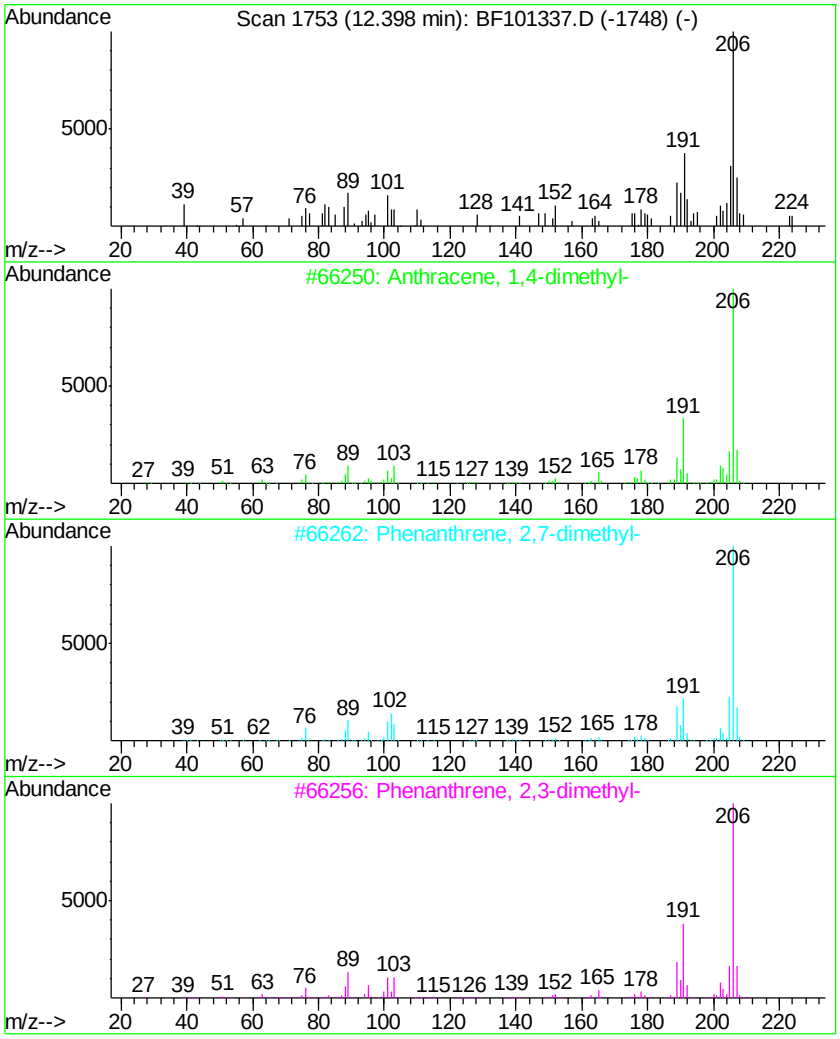
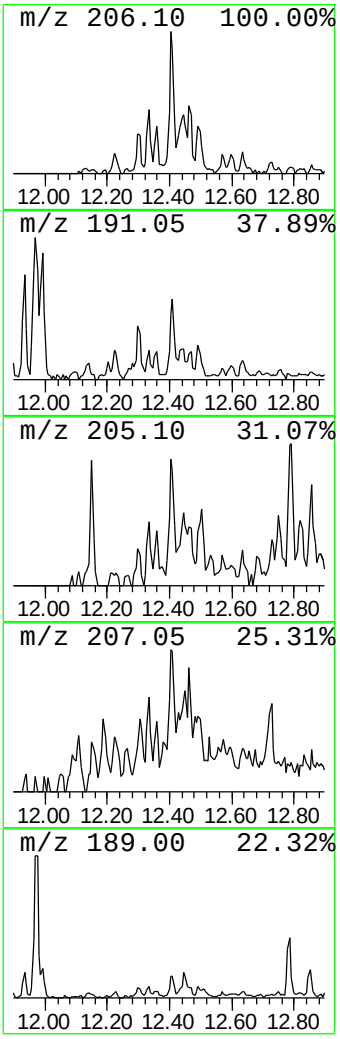
Peak Number 11 Anthracene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.04 ng	73620	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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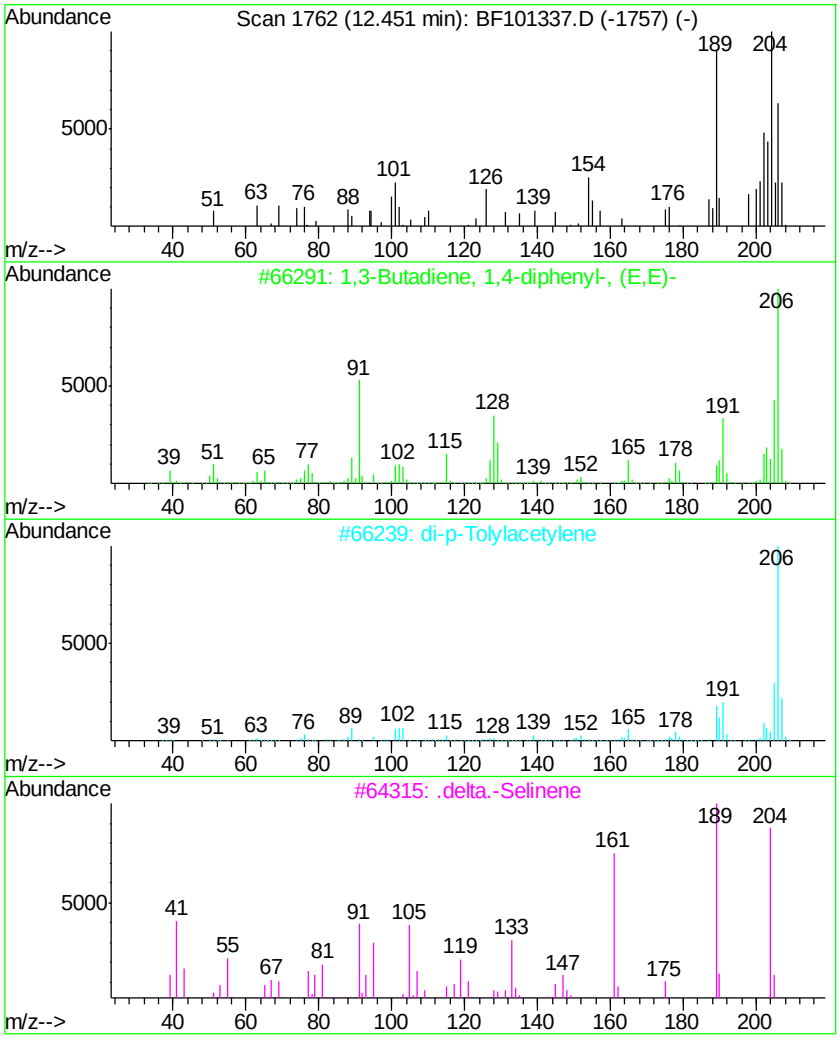
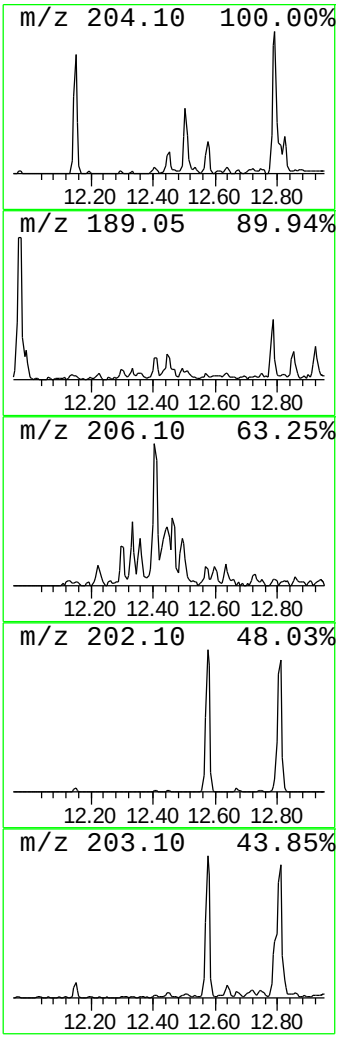
Peak Number 12 unknown12.45 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.74 ng	49963	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	35
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	30
3	.delta.-Selinene	204	C15H24	028624-23-9	30
4	2,3-Dicyano-5-phenylpyrazine	206	C12H6N4	052109-66-7	25
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	25





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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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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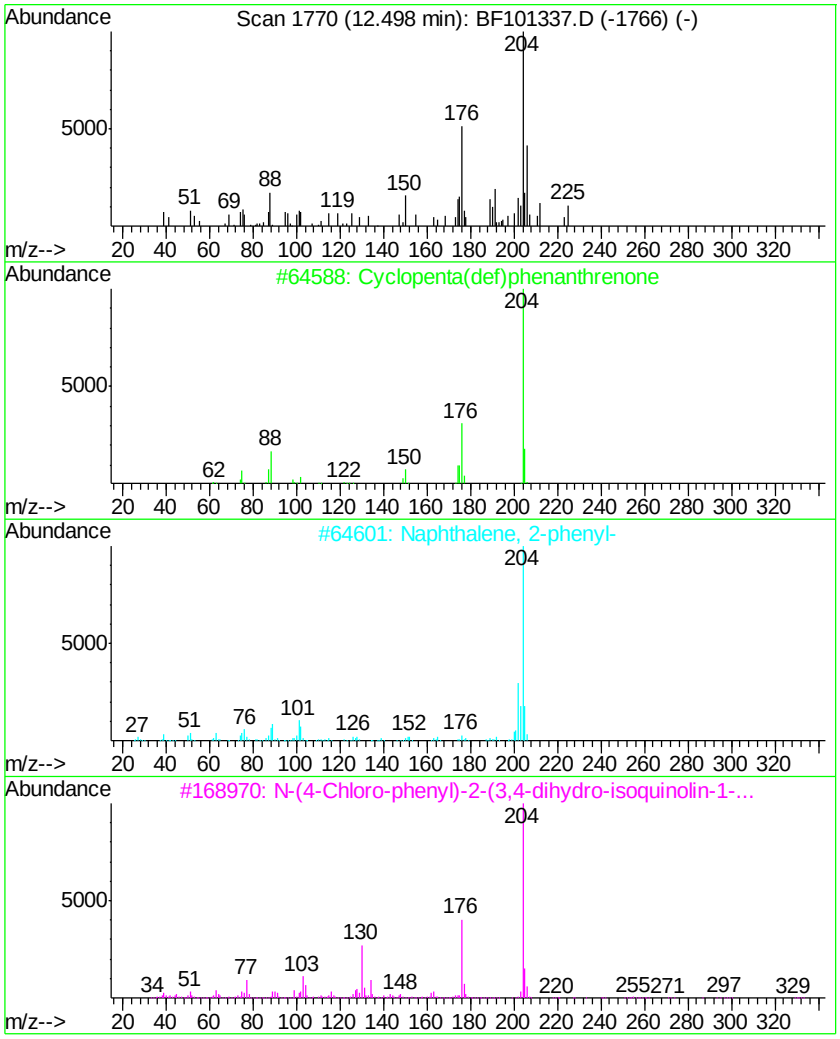
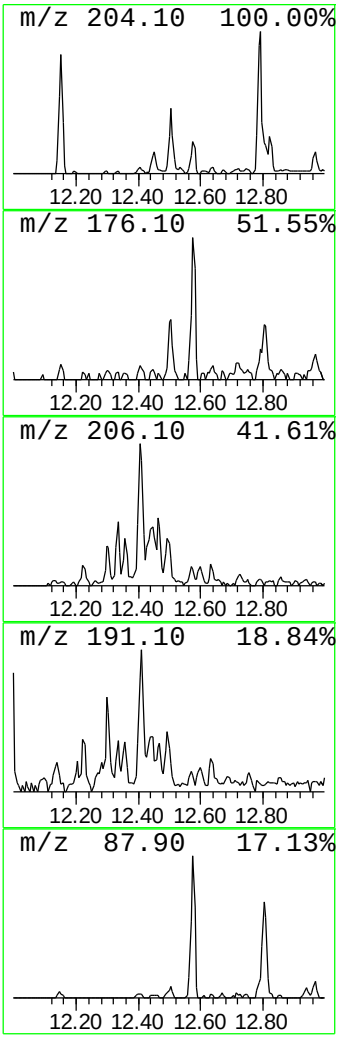
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.05 ng	55645	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
5	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	53





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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : SB-4(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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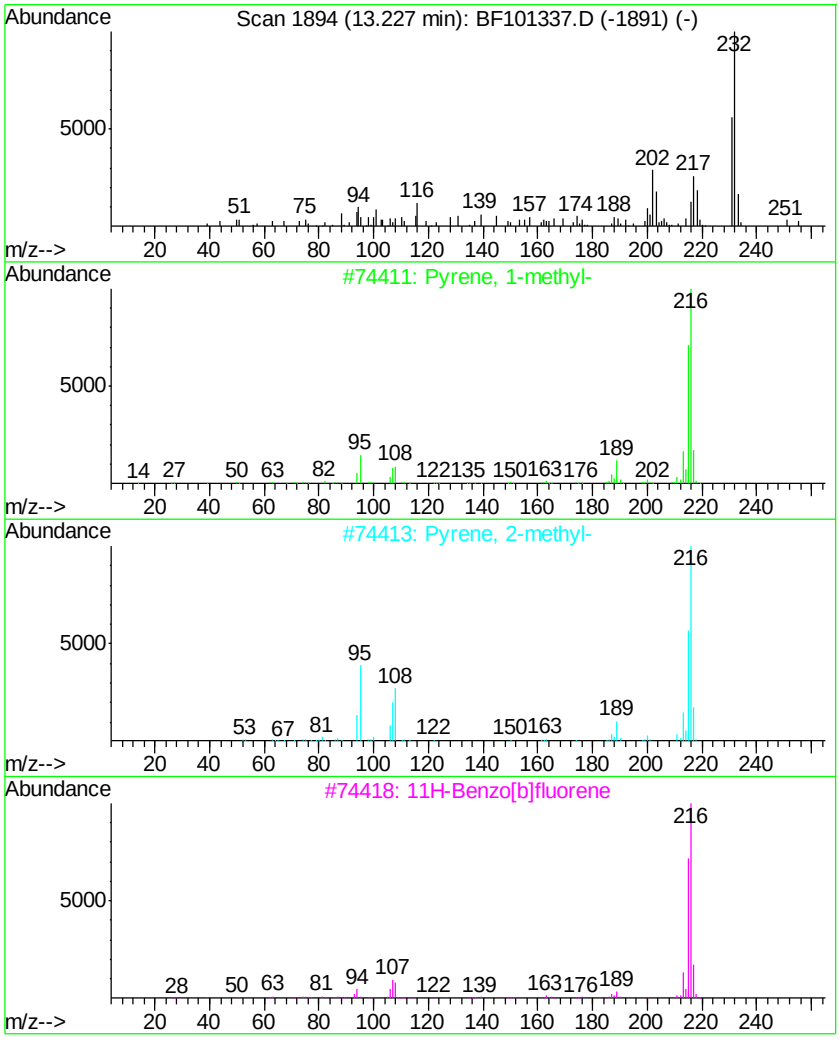
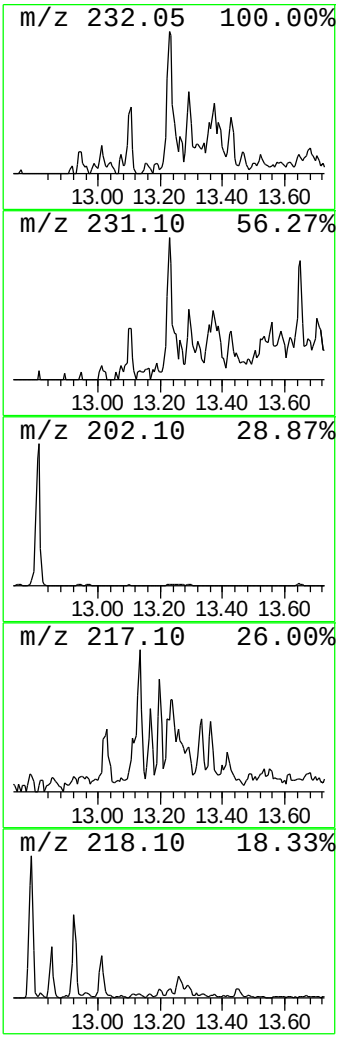
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.63 ng	116790	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	46
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	45





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
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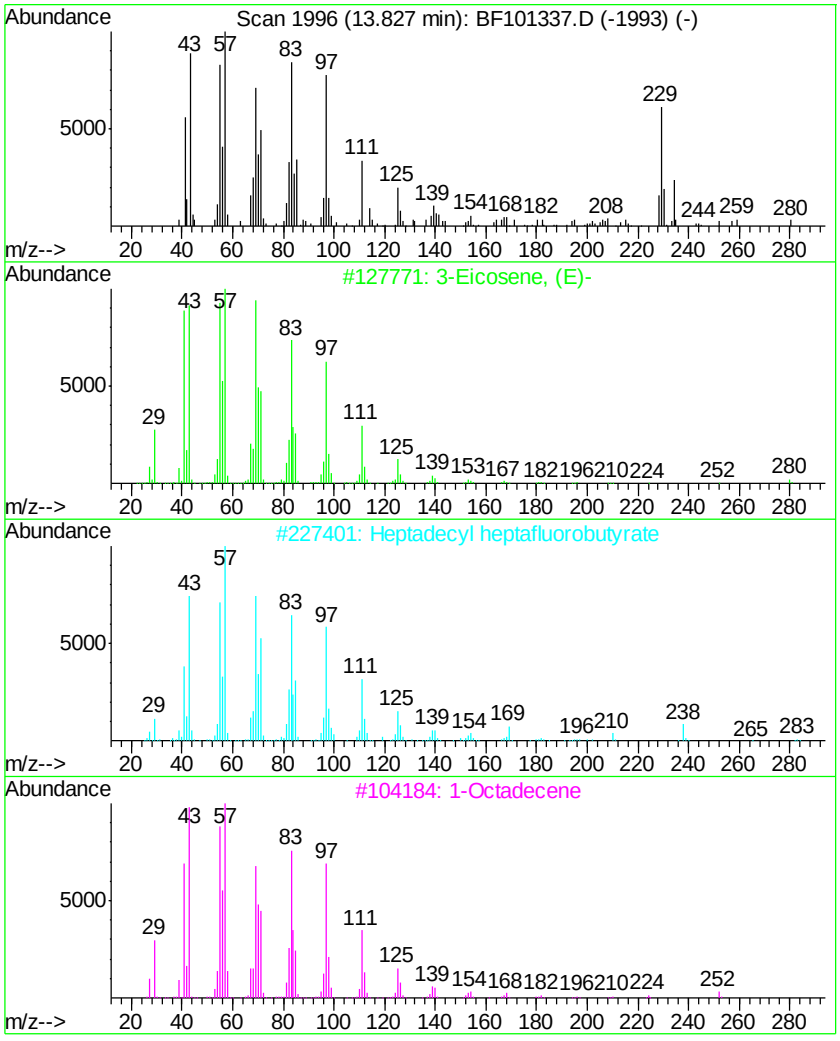
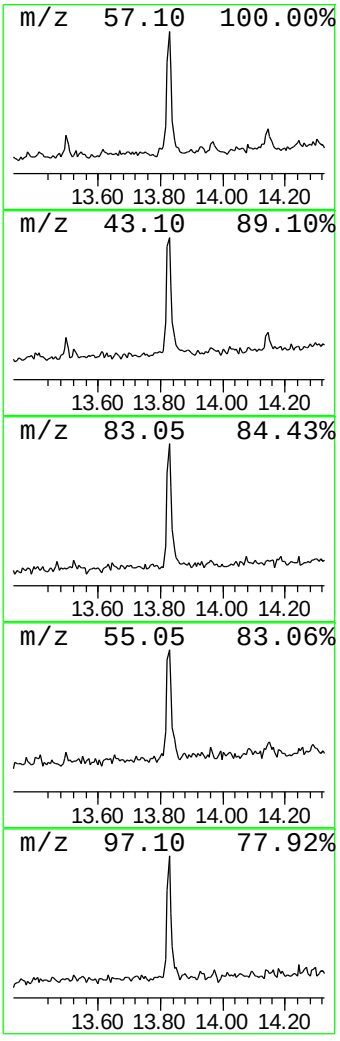
Peak Number 15 3-Eicosene, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	4.79 ng	212794	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	86
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	86
3	1-Octadecene	252	C18H36	000112-88-9	83
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	70
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	70





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Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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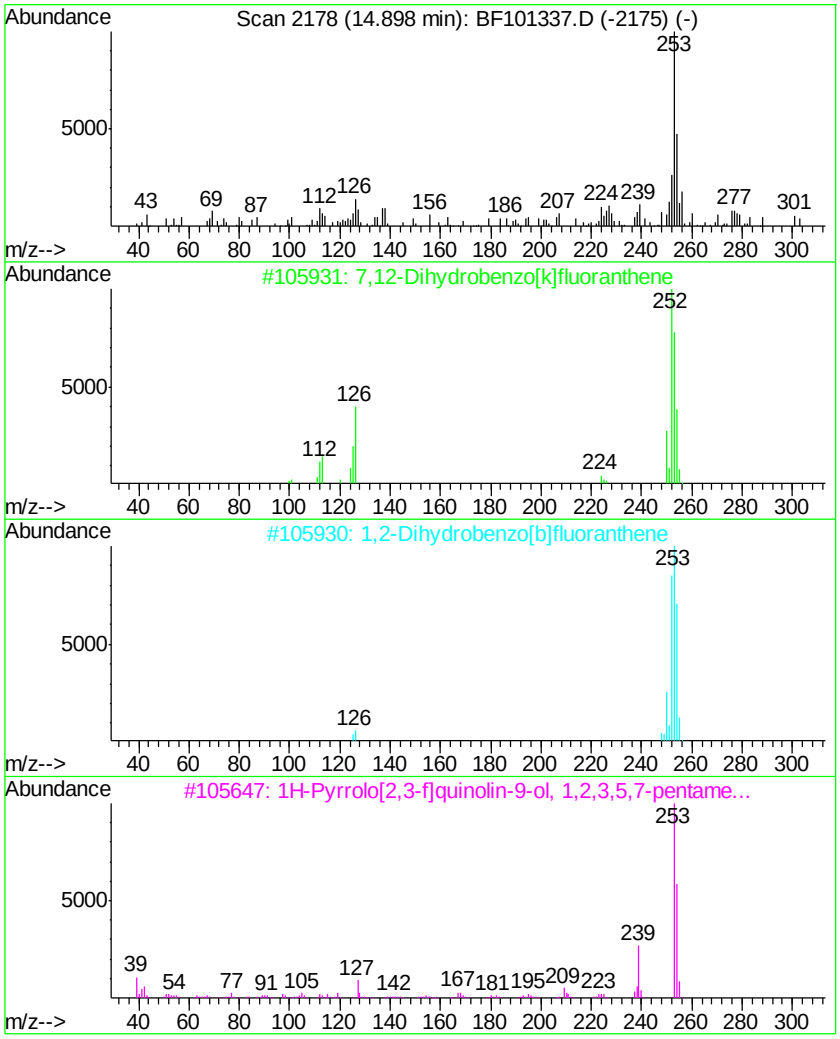
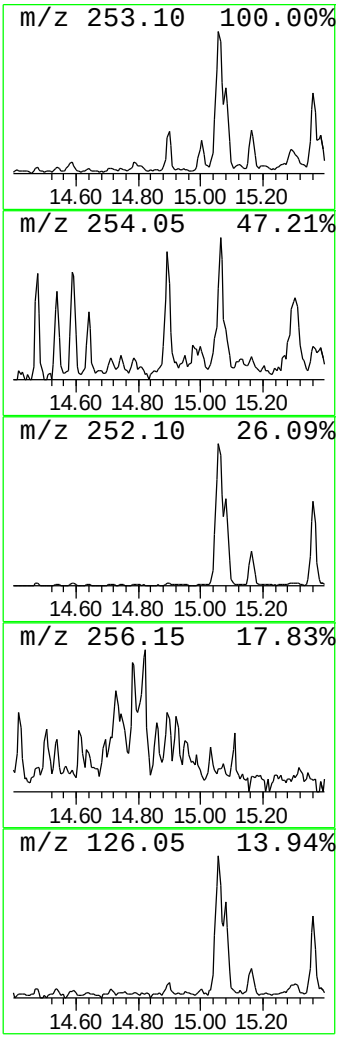
Peak Number 16 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	4.04 ng	44843	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	70
2	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	53
3	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	52
4	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	50
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	49





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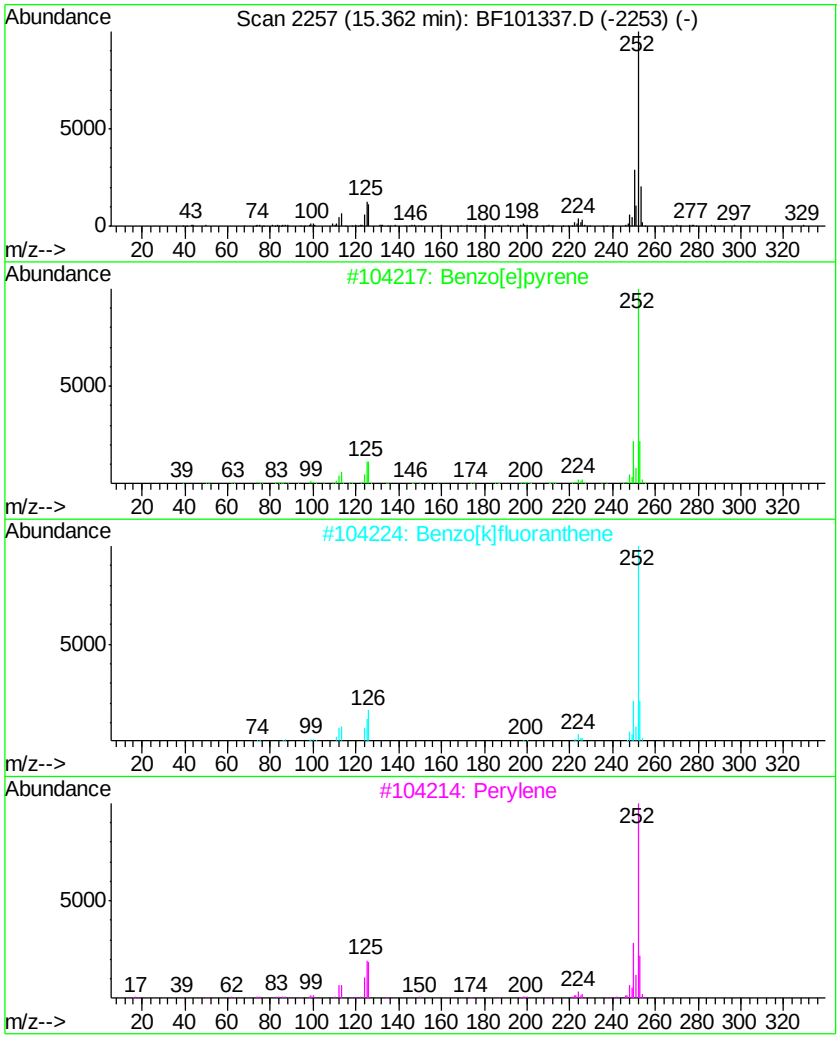
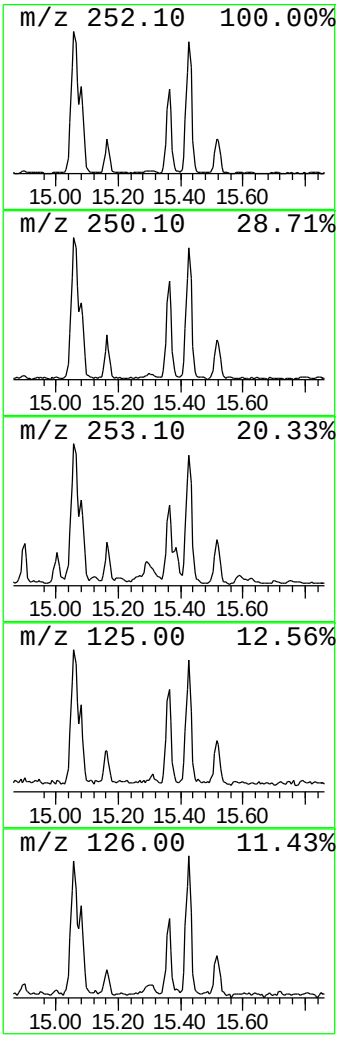
Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	21.86 ng	242705	Perylene-d12	15.49

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	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

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Data File : BF101337.D
Acq On : 12 Dec 2017 18:38
Operator : SJ/JU
Sample : I6822-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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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...	5.05	6.0	ng	87016	1	6.82	288303	20.0
unknown6.60	6.60	86.5	ng	1246380	1	6.82	288303	20.0
Tetradecane	10.28	2.9	ng	50340	3	9.86	344169	20.0
Octadecane	10.76	3.2	ng	58975	4	11.36	364763	20.0
Anthracene, 1-met...	11.86	5.0	ng	90501	4	11.36	364763	20.0
Phenanthrene, 1-m...	11.89	6.7	ng	122311	4	11.36	364763	20.0
4H-Cyclopenta[def...	11.97	8.6	ng	156693	4	11.36	364763	20.0
5,16[1',2']:8,13[...	12.15	2.9	ng	52646	4	11.36	364763	20.0
9,10-Anthracenedione	12.19	2.6	ng	47444	4	11.36	364763	20.0
Anthracene, 1,4-d...	12.40	4.0	ng	73620	4	11.36	364763	20.0
unknown12.45	12.45	2.7	ng	49963	4	11.36	364763	20.0
Cyclopenta(def)ph...	12.50	3.0	ng	55645	4	11.36	364763	20.0
Pyrene, 1-methyl-	13.23	2.6	ng	116790	5	14.01	888152	20.0
3-Eicosene, (E)-	13.83	4.8	ng	212794	5	14.01	888152	20.0
7,12-Dihydrobenzo...	14.90	4.0	ng	44843	6	15.49	222080	20.0
Benzo[e]pyrene	15.36	21.9	ng	242705	6	15.49	222080	20.0