LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104461.D
Acq On : 12 Apr 2018 19:49
Operator : JU/SJ
Sample : J2335-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

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-BF040618.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	5.410	562	565	569	rBV	565416	521333	7.62%	0.651%
2	6.434	735	739	745	rBV	581609	538291	7.87%	0.672%
3	6.575	759	763	766	rBV	695408	548757	8.02%	0.685%
4	6.810	799	803	807	rVB	855855	668895	9.77%	0.835%
5	6.963	825	829	832	rBV	528961	423653	6.19%	0.529%
6	7.369	895	898	901	rBV	379077	286725	4.19%	0.358%
7	8.092	1015	1021	1023	rBV	1008803	844376	12.34%	1.055%
8	8.116	1023	1025	1028	rVB	459723	331195	4.84%	0.414%
9	8.804	1139	1142	1146	rVB	192615	146183	2.14%	0.183%
10	8.904	1156	1159	1163	rVB	135907	108208	1.58%	0.135%
11	9.169	1200	1204	1207	rBV	564714	472149	6.90%	0.590%
12	9.851	1311	1320	1323	rBV	871464	783005	11.44%	0.978%
13	9.880	1323	1325	1329	rVB	654334	531583	7.77%	0.664%
14	10.051	1350	1354	1358	rVV	281834	267168	3.90%	0.334%
15	10.398	1409	1413	1418	rBV	767707	639201	9.34%	0.798%
16	10.639	1450	1454	1457	rBV	387791	370635	5.42%	0.463%
17	10.763	1469	1475	1480	rVB3	78550	109503	1.60%	0.137%
18	10.827	1483	1486	1490	rBV	186502	173394	2.53%	0.217%
19	10.921	1499	1502	1504	rBV	97562	97898	1.43%	0.122%
20	10.945	1504	1506	1509	rVV2	134237	123519	1.80%	0.154%
21	11.198	1544	1549	1552	rBV2	445312	455524	6.66%	0.569%
22	11.239	1552	1556	1561	rVB	345974	368241	5.38%	0.460%
23	11.345	1570	1574	1575	rBV	651309	649286	9.49%	0.811%
24	11.374	1575	1579	1582	rVV	4134473	4891744	71.47%	6.110%
25	11.421	1582	1587	1590	rVV	1530933	1370804	20.03%	1.712%
26	11.451	1590	1592	1598	rVB	231556	191955	2.80%	0.240%
27	11.574	1610	1613	1616	rVB	1322080	1069281	15.62%	1.336%
28	11.845	1653	1659	1661	rBV	600535	548340	8.01%	0.685%
29	11.874	1661	1664	1668	rVB	940153	786985	11.50%	0.983%
30	11.921	1668	1672	1675	rBV	366753	347509	5.08%	0.434%
31	11.957	1675	1678	1681	rBV	1195575	1358366	19.85%	1.697%
32	11.980	1681	1682	1685	rVB	446178	225657	3.30%	0.282%
33	12.021	1685	1689	1691	rBV2	129175	141828	2.07%	0.177%
34	12.051	1691	1694	1696	rVB2	132638	120466	1.76%	0.150%

LSC Area Percent Report

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Data File : BF104461.D
Acq On : 12 Apr 2018 19:49
Operator : JU/SJ
Sample : J2335-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.139	1707	1709	1712	rVB	498081	370484	5.41%	0.463%
36	12.286	1731	1734	1737	rVB	322811	284874	4.16%	0.356%
37	12.398	1749	1753	1756	rBV	182155	198047	2.89%	0.247%
38	12.433	1756	1759	1762	rVV2	153373	177550	2.59%	0.222%
39	12.498	1765	1770	1772	rBV5	85903	133117	1.94%	0.166%
40	12.580	1777	1784	1786	rBV	4337252	6320733	92.35%	7.895%
41	12.604	1786	1788	1790	rVB2	185242	143459	2.10%	0.179%
42	12.710	1800	1806	1811	rBV3	308378	480954	7.03%	0.601%
43	12.810	1815	1823	1826	rBV2	4165685	6844079	100.00%	8.549%
44	12.839	1826	1828	1834	rVB2	342278	315823	4.61%	0.394%
45	12.910	1836	1840	1842	rBV	537279	550292	8.04%	0.687%
46	12.927	1842	1843	1845	rVV	444186	384415	5.62%	0.480%
47	12.951	1845	1847	1850	rVB	567870	451372	6.60%	0.564%
48	13.010	1851	1857	1860	rBV2	459026	768580	11.23%	0.960%
49	13.039	1860	1862	1864	rVB	312328	218964	3.20%	0.274%
50	13.068	1864	1867	1870	rBV	619293	662363	9.68%	0.827%
51	13.121	1870	1876	1879	rVB	1674195	2157871	31.53%	2.695%
52	13.157	1879	1882	1884	rBV3	225503	217294	3.17%	0.271%
53	13.186	1884	1887	1890	rBV	1479231	1460724	21.34%	1.825%
54	13.221	1890	1893	1896	rVV3	564894	685892	10.02%	0.857%
55	13.251	1896	1898	1900	rVB	206269	156606	2.29%	0.196%
56	13.280	1900	1903	1905	rVB	127098	109043	1.59%	0.136%
57	13.315	1906	1909	1912	rBV	480993	439874	6.43%	0.549%
58	13.345	1912	1914	1917	rVB	510991	457829	6.69%	0.572%
59	13.474	1933	1936	1938	rVB	245181	187832	2.74%	0.235%
60	13.504	1938	1941	1945	rBV5	291904	432368	6.32%	0.540%
61	13.545	1945	1948	1951	rVV	395328	390555	5.71%	0.488%
62	13.598	1954	1957	1961	rBV	256954	378887	5.54%	0.473%
63	13.739	1977	1981	1983	rBV	644183	617775	9.03%	0.772%
64	13.768	1983	1986	1988	rVV	721272	669752	9.79%	0.837%
65	13.804	1988	1992	1994	rVV2	584784	905446	13.23%	1.131%
66	13.833	1994	1997	2001	rVV3	321839	371754	5.43%	0.464%
67	13.904	2005	2009	2013	rBV	197983	270770	3.96%	0.338%
68	13.992	2017	2024	2027	rVV2	2925570	5062236	73.97%	6.323%
69	14.033	2027	2031	2037	rVV	3193872	3690404	53.92%	4.610%
70	14.080	2037	2039	2040	rVV2	126429	112639	1.65%	0.141%
71	14.104	2040	2043	2048	rVV	543497	653991	9.56%	0.817%

LSC Area Percent Report

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Acq On : 12 Apr 2018 19:49
Operator : JU/SJ
Sample : J2335-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.151	2048	2051	2054	rVV3	360924	456619	6.67%	0.570%
73	14.186	2054	2057	2059	rVV	534986	548710	8.02%	0.685%
74	14.221	2059	2063	2066	rVV2	588130	805889	11.77%	1.007%
75	14.251	2066	2068	2071	rVB2	117572	109887	1.61%	0.137%
76	14.315	2076	2079	2080	rBV	140241	128492	1.88%	0.160%
77	14.380	2086	2090	2093	rBV	546864	640969	9.37%	0.801%
78	14.415	2093	2096	2099	rVV2	319141	282568	4.13%	0.353%
79	14.462	2099	2104	2106	rVV3	368717	584939	8.55%	0.731%
80	14.509	2110	2112	2114	rVV2	374895	359573	5.25%	0.449%
81	14.533	2114	2116	2120	rVB3	577216	471280	6.89%	0.589%
82	14.698	2142	2144	2146	rBV	114475	98694	1.44%	0.123%
83	14.768	2153	2156	2160	rVB	299150	274207	4.01%	0.343%
84	14.880	2172	2175	2178	rBV	207333	260966	3.81%	0.326%
85	15.051	2197	2204	2207	rBV	2085405	4081415	59.63%	5.098%
86	15.074	2207	2208	2211	rVV	1505097	942044	13.76%	1.177%
87	15.104	2211	2213	2217	rVB3	267334	322106	4.71%	0.402%
88	15.145	2217	2220	2224	rBV	419824	440840	6.44%	0.551%
89	15.233	2232	2235	2238	rBV2	141747	206399	3.02%	0.258%
90	15.351	2249	2255	2260	rVB	1307511	1945603	28.43%	2.430%
91	15.415	2260	2266	2270	rVV	1842652	2519778	36.82%	3.147%
92	15.468	2271	2275	2277	rVV	436489	587483	8.58%	0.734%
93	15.504	2277	2281	2286	rVB2	707034	1010450	14.76%	1.262%
94	16.021	2366	2369	2378	rVB2	176331	292227	4.27%	0.365%
95	16.739	2488	2491	2494	rBV	75494	126558	1.85%	0.158%
96	16.939	2518	2525	2531	rVB2	837248	1657237	24.21%	2.070%
97	17.103	2547	2553	2557	rBV	169733	356860	5.21%	0.446%
98	17.156	2558	2562	2567	rVV3	205383	370400	5.41%	0.463%
99	17.380	2592	2600	2615	rBV	603945	1404722	20.52%	1.755%
100	17.609	2633	2639	2652	rVB2	233265	526402	7.69%	0.658%

Sum of corrected areas: 80059622

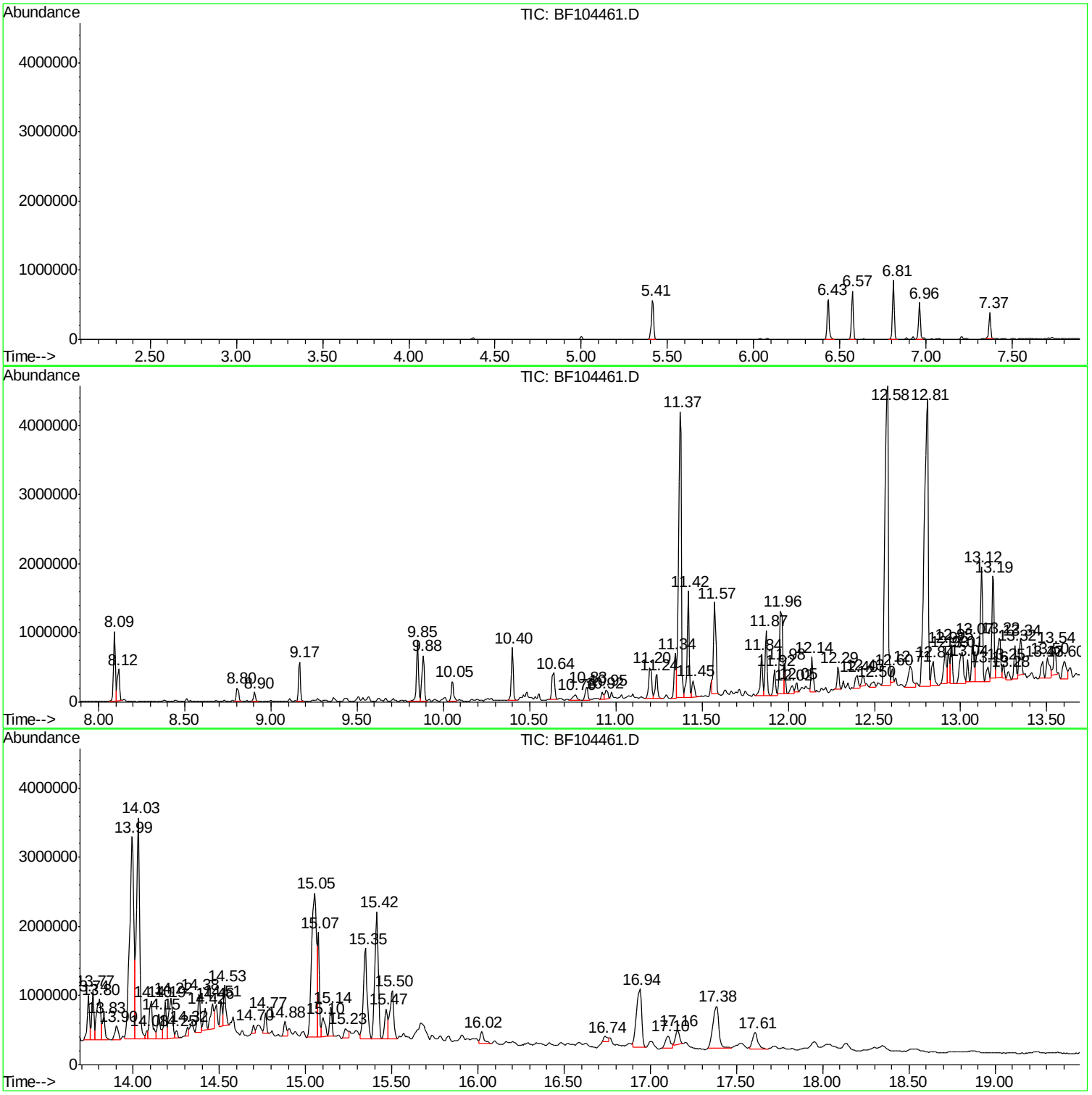
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104461.D
Acq On : 12 Apr 2018 19:49
Operator : JU/SJ
Sample : J2335-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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\BF041218\
Data File : BF104461.D
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

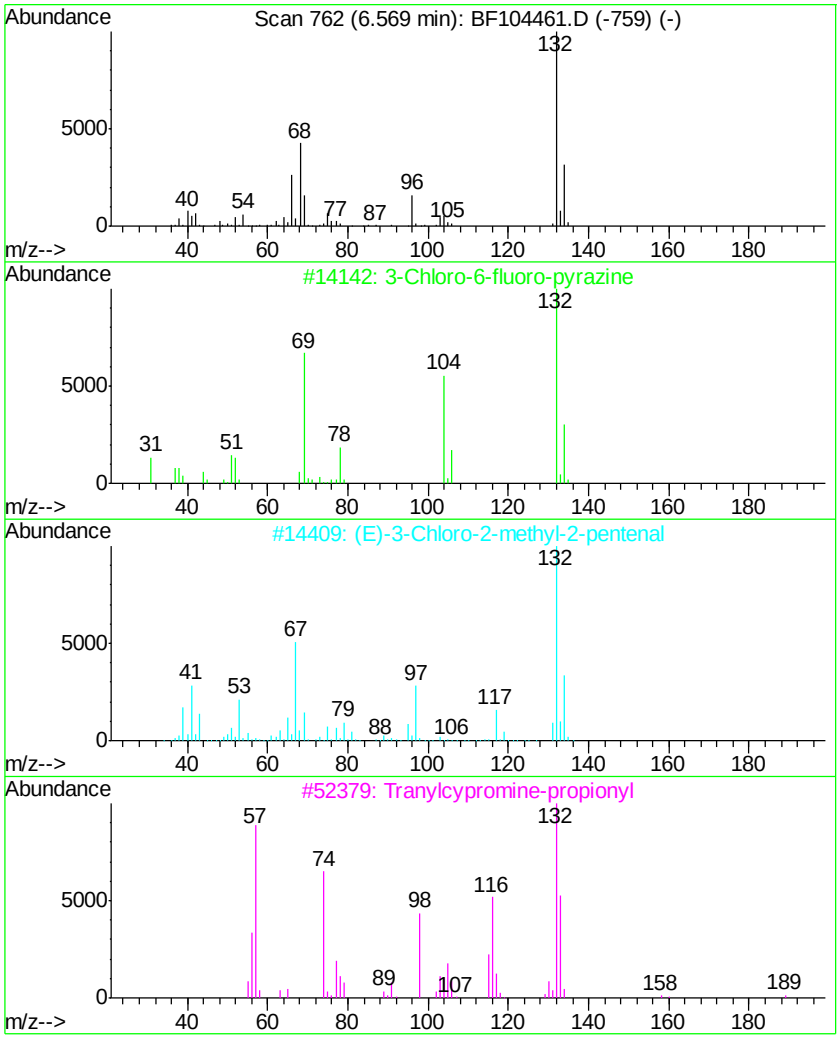
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

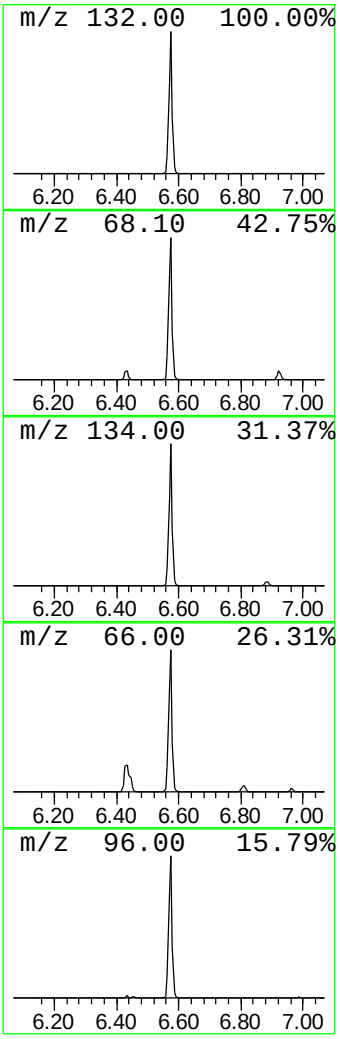
****

Peak Number 1 unknown6.57 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	16.41 ng	548757	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104461.D
Acq On : 12 Apr 2018 19:49
Operator : JU/SJ
Sample : J2335-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

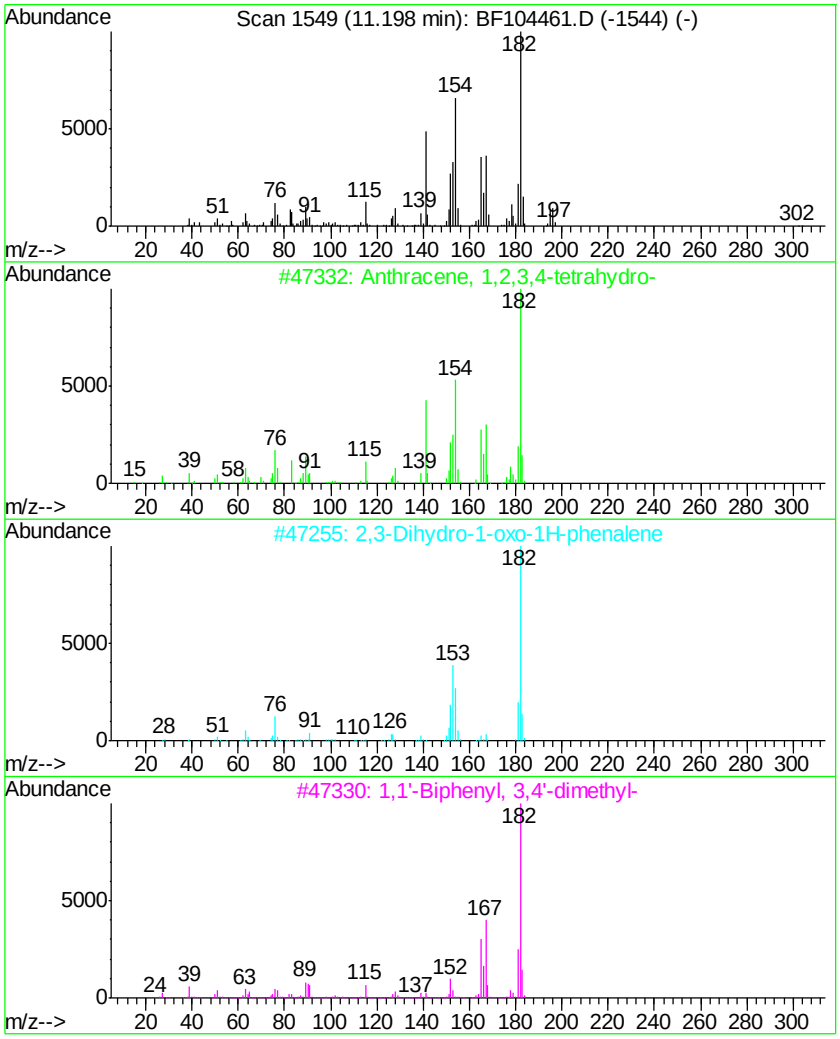
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

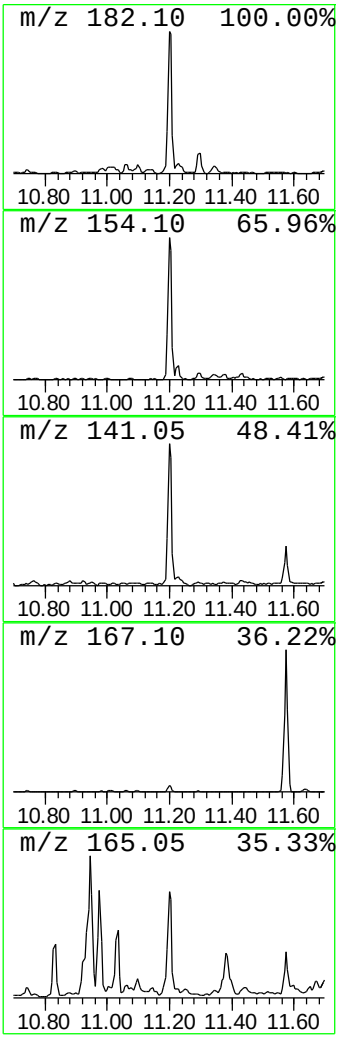
****

Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	14.03 ng	455524	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	87
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	70
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
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Sample : J2335-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

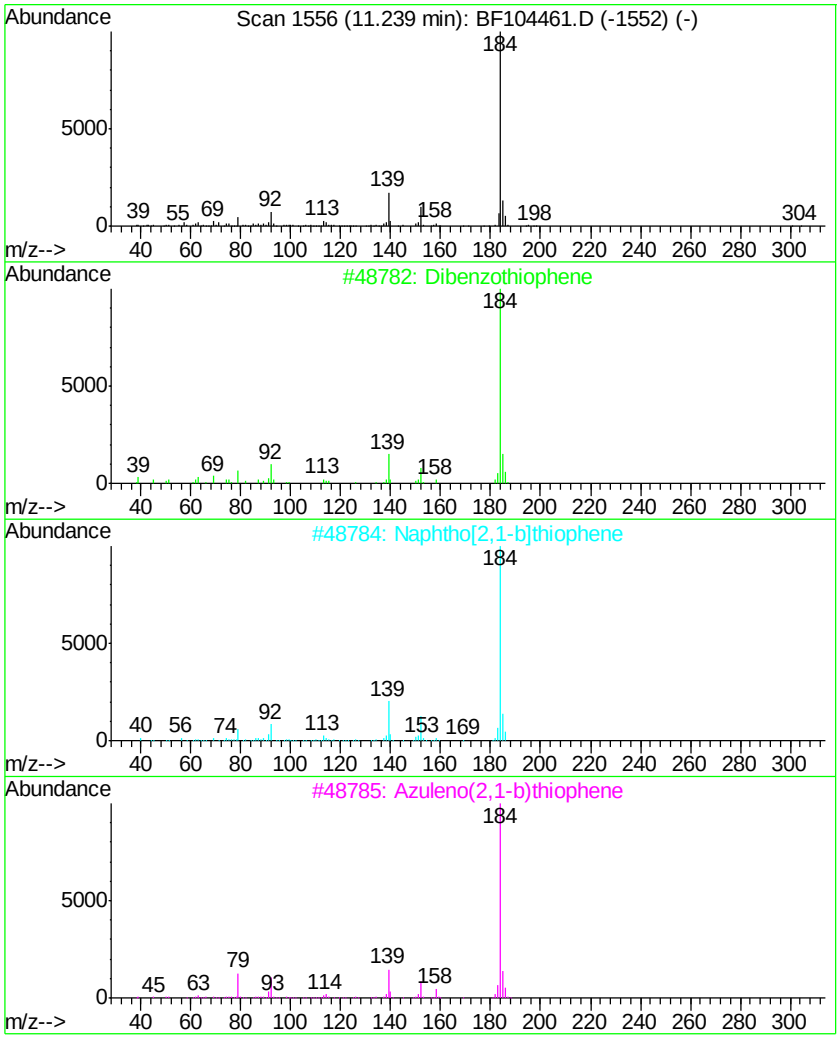
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

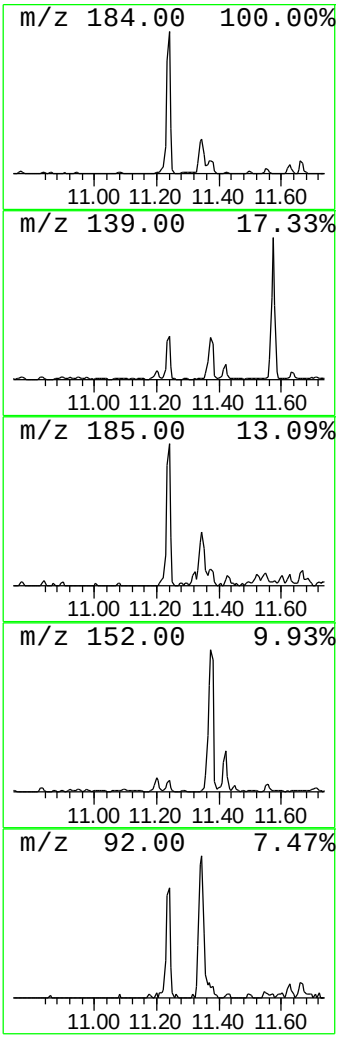
****

Peak Number 4 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	11.34 ng	368241	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104461.D
Acq On : 12 Apr 2018 19:49
Operator : JU/SJ
Sample : J2335-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

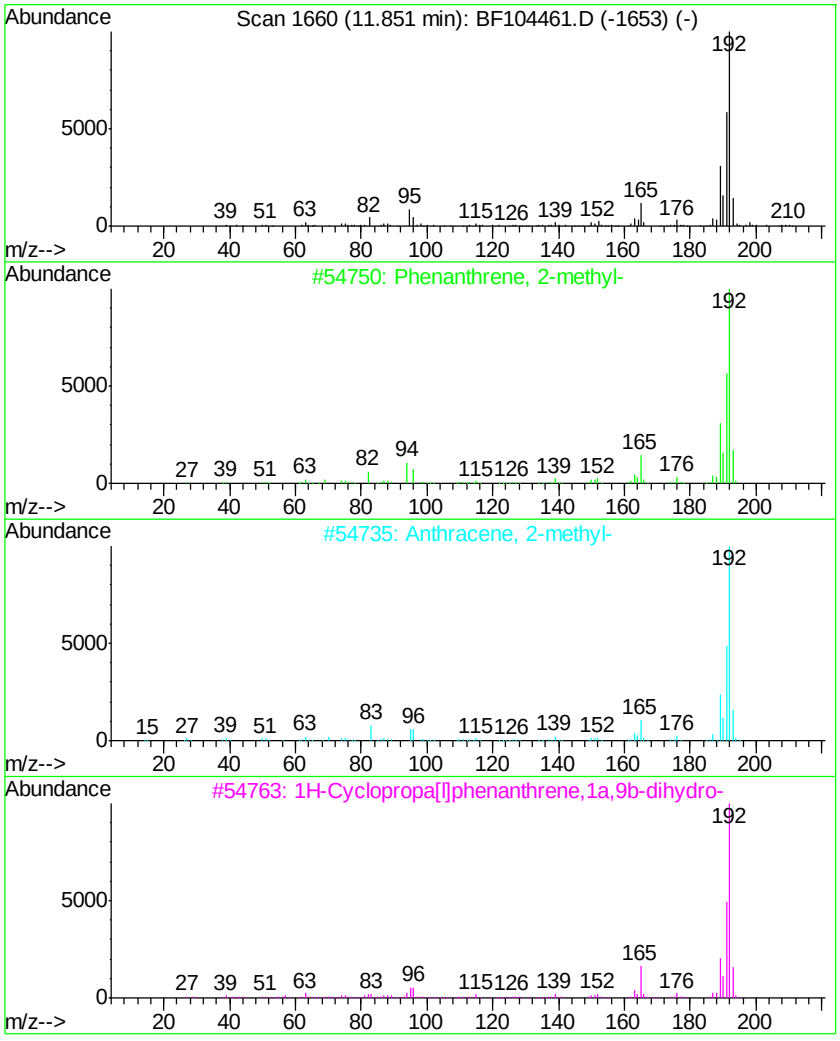
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

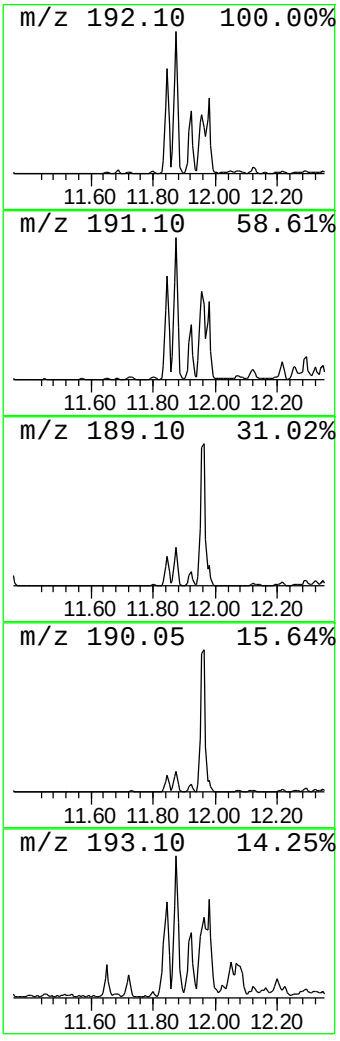
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	16.89 ng	548340	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104461.D
Acq On : 12 Apr 2018 19:49
Operator : JU/SJ
Sample : J2335-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

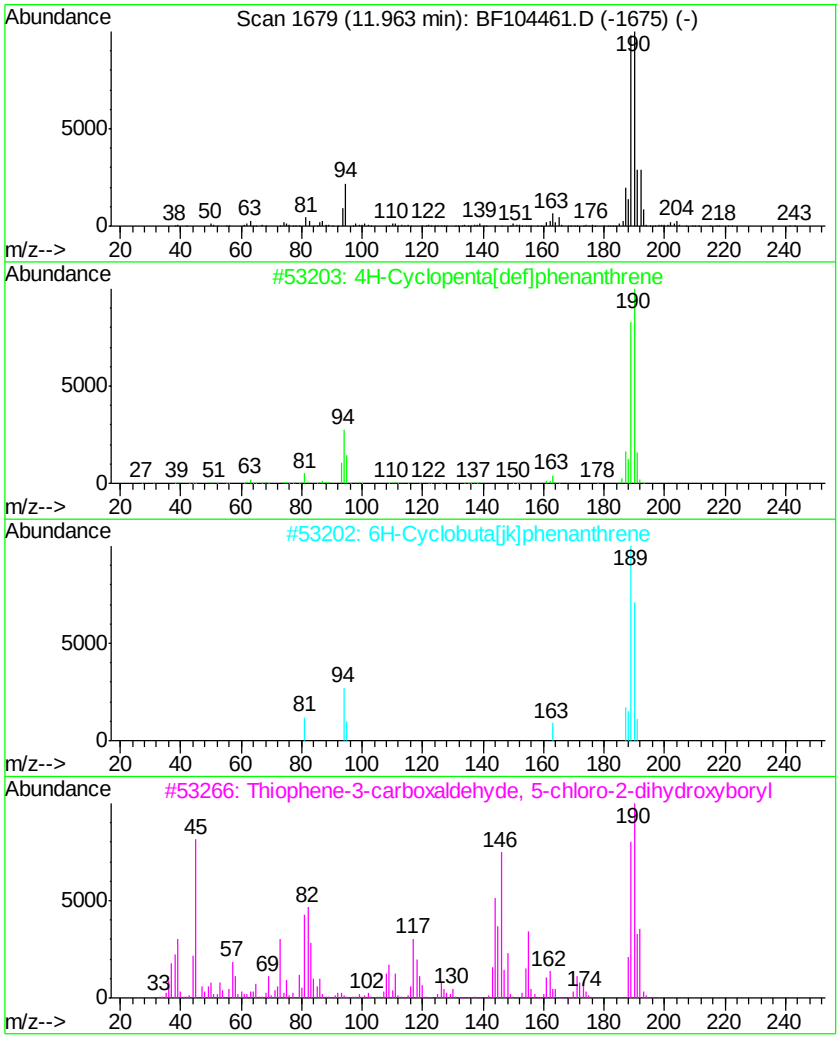
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

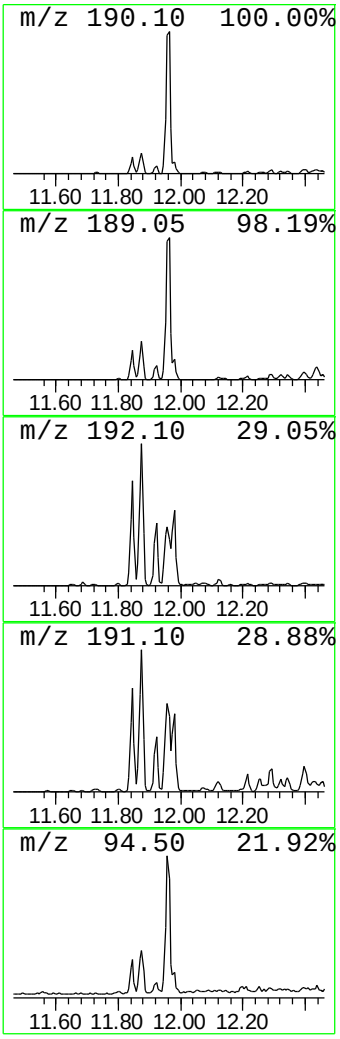
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	41.84 ng	1358370	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Acq On : 12 Apr 2018 19:49
Operator : JU/SJ
Sample : J2335-01 5X
Misc :
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ClientSampleId : S1

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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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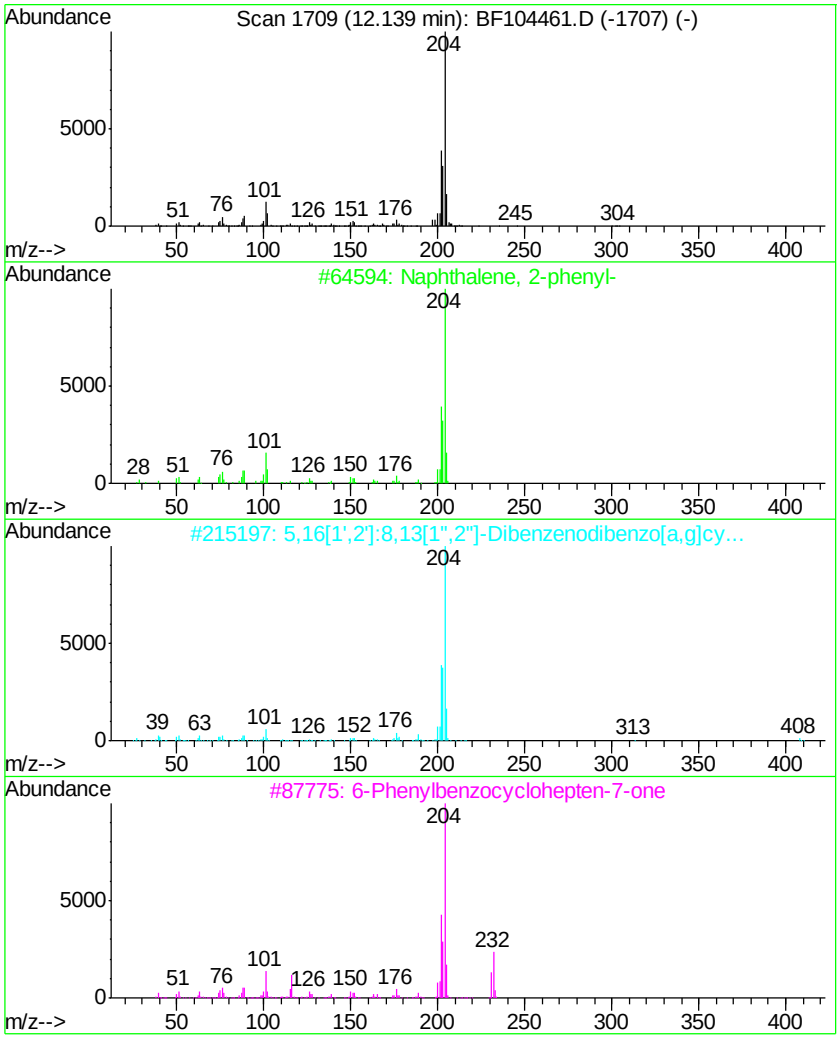
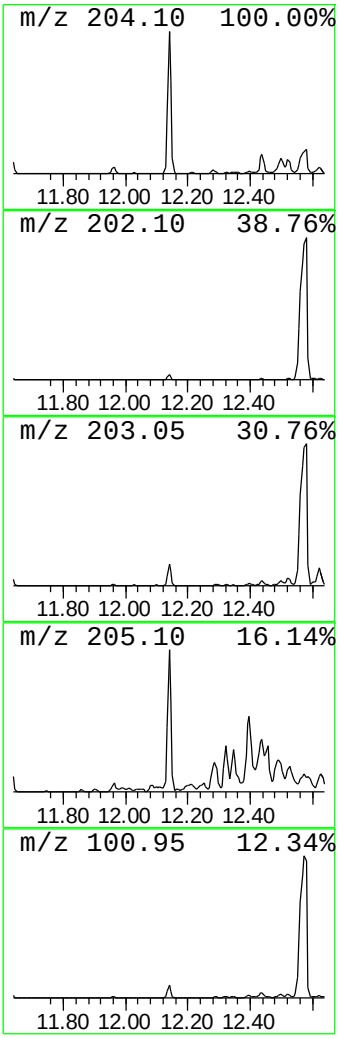
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	11.41 ng	370484	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78





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Sample : J2335-01 5X
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Instrument : BNA_F
ClientSampleId : S1

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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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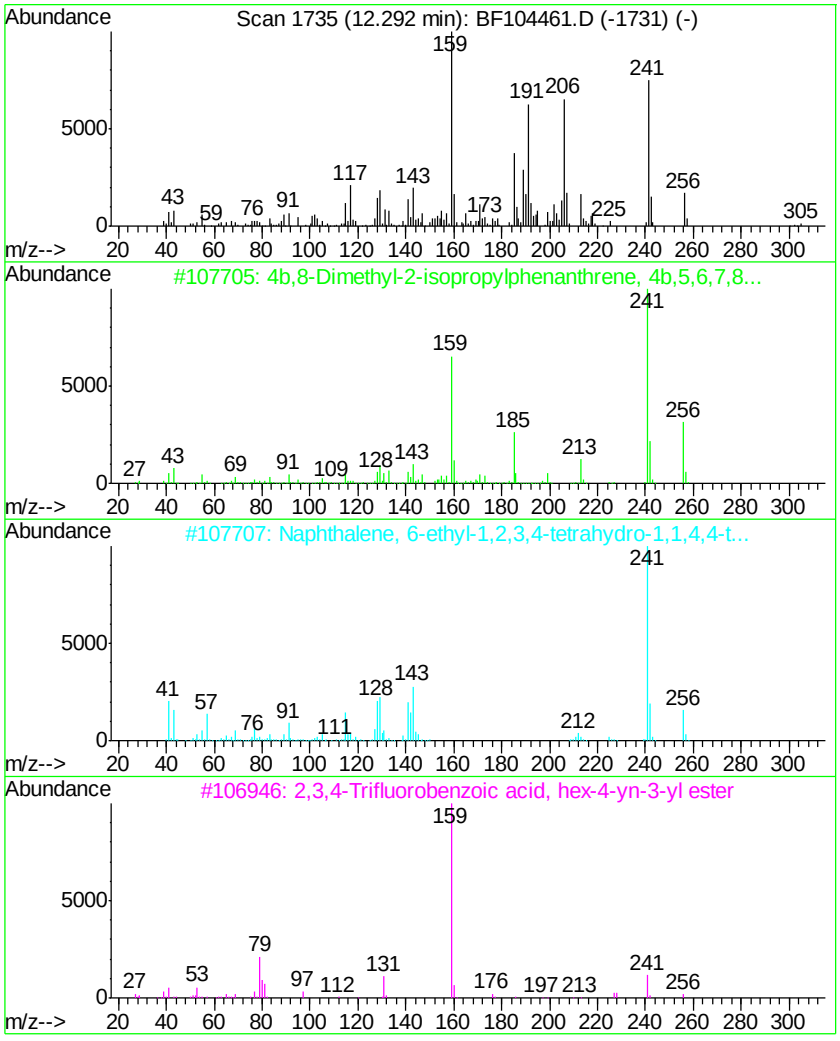
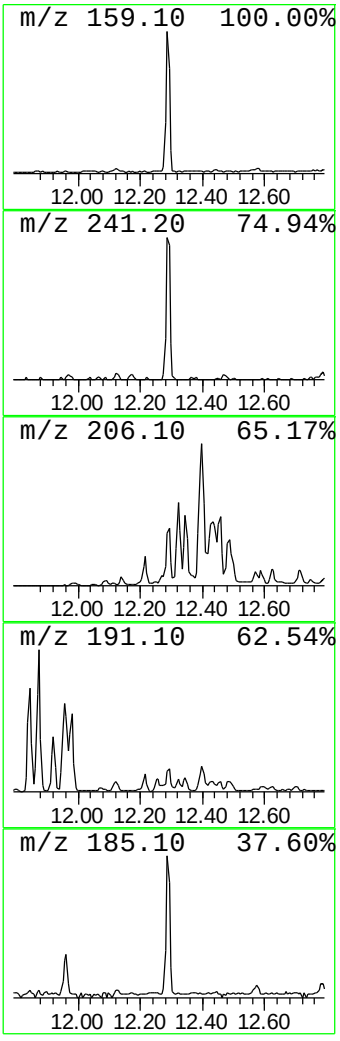
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	8.77 ng	284874	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	96
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35
3	2,3,4-Trifluorobenzoic acid, hex...	256	C13H11F3O2	1000292-55-4	35
4	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	20
5	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	14





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Sample : J2335-01 5X
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Instrument : BNA_F
ClientSampleId : S1

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

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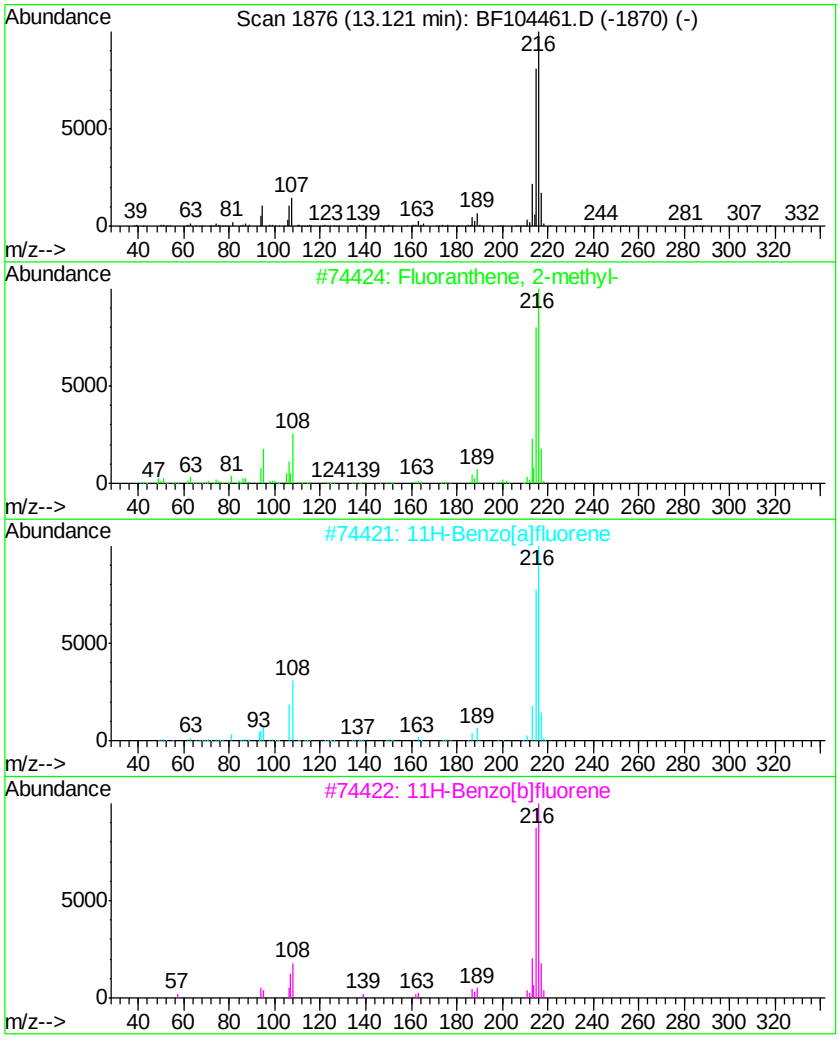
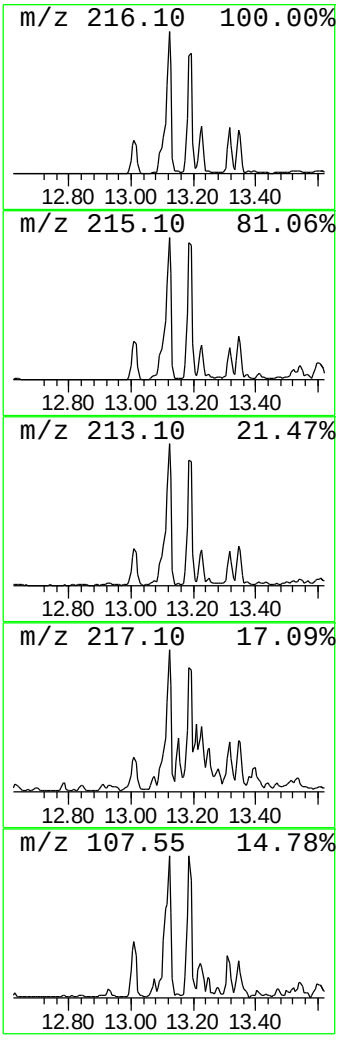
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	8.53 ng	2157870	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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

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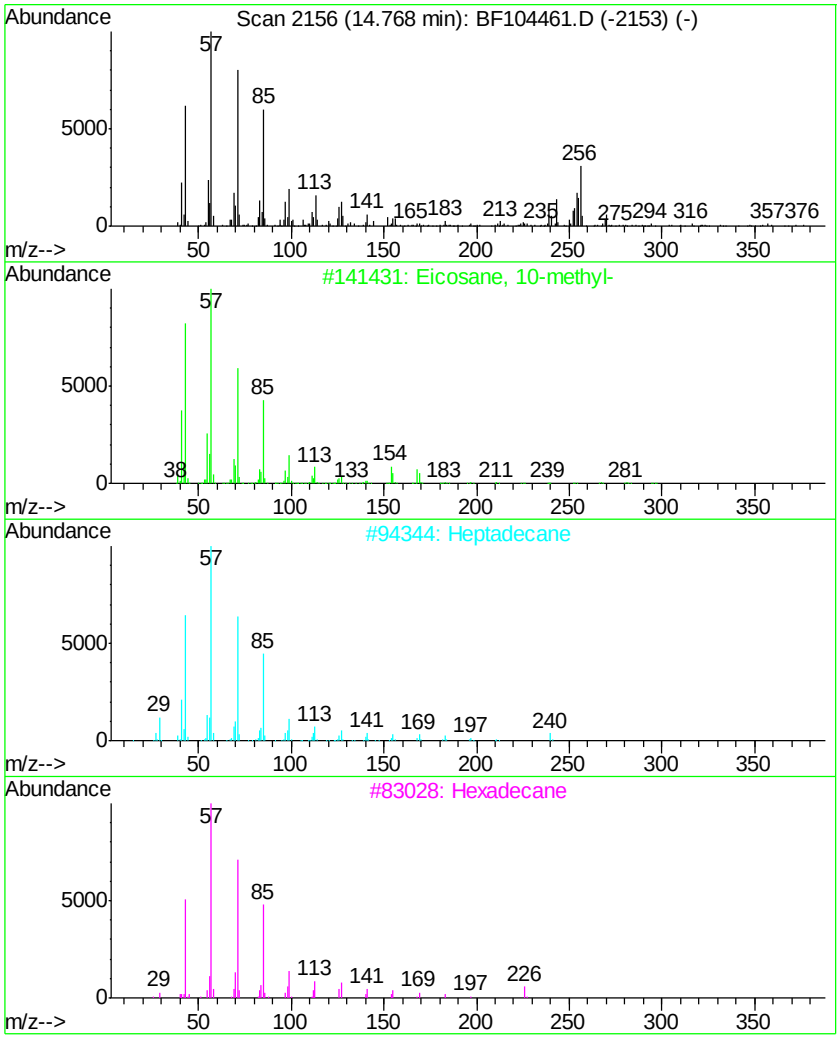
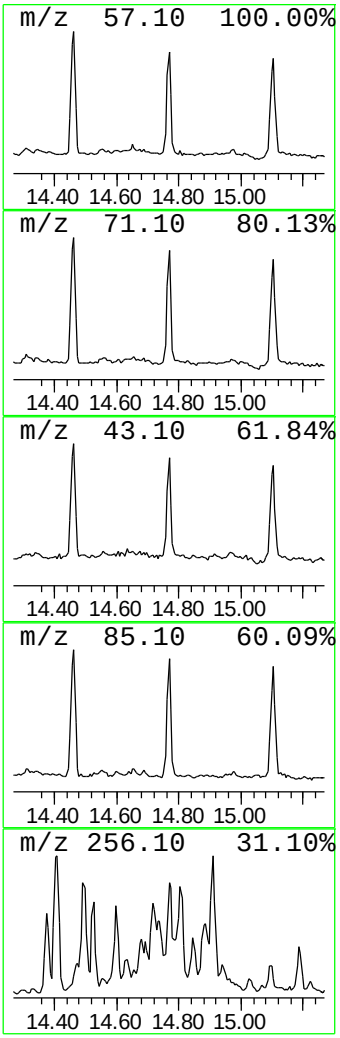
Peak Number 12 Eicosane, 10-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	9.33 ng	274207	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	83
2	Heptadecane	240	C17H36	000629-78-7	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Nonadecane	268	C19H40	000629-92-5	64
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	64





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

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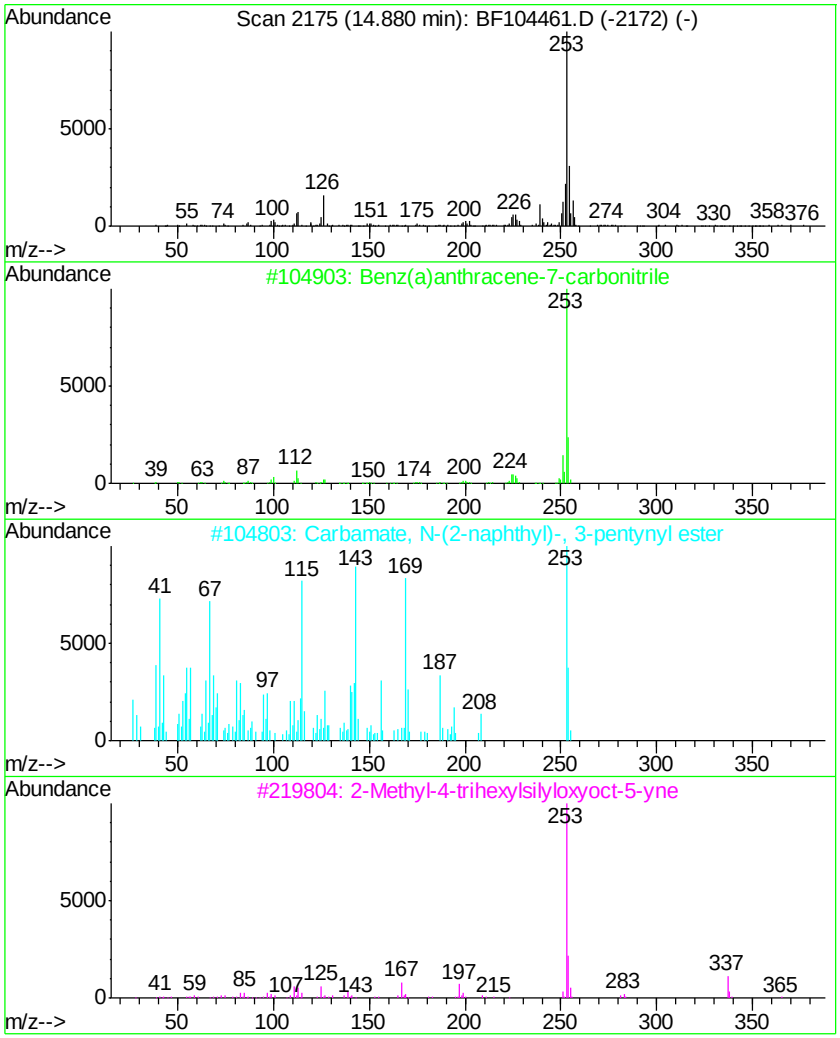
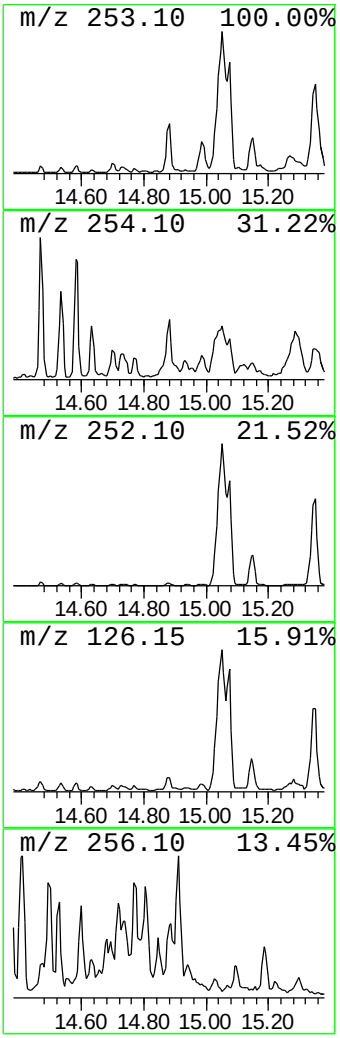
Peak Number 13 Benz(a)anthracene-7-carboni... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	8.88 ng	260966	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
3	2-Methyl-4-trihexylsilyloxyoct-5...	422	C27H54OSi	1000299-52-5	43
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	38
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	30





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Misc :
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Instrument : BNA_F
ClientSampleId : S1

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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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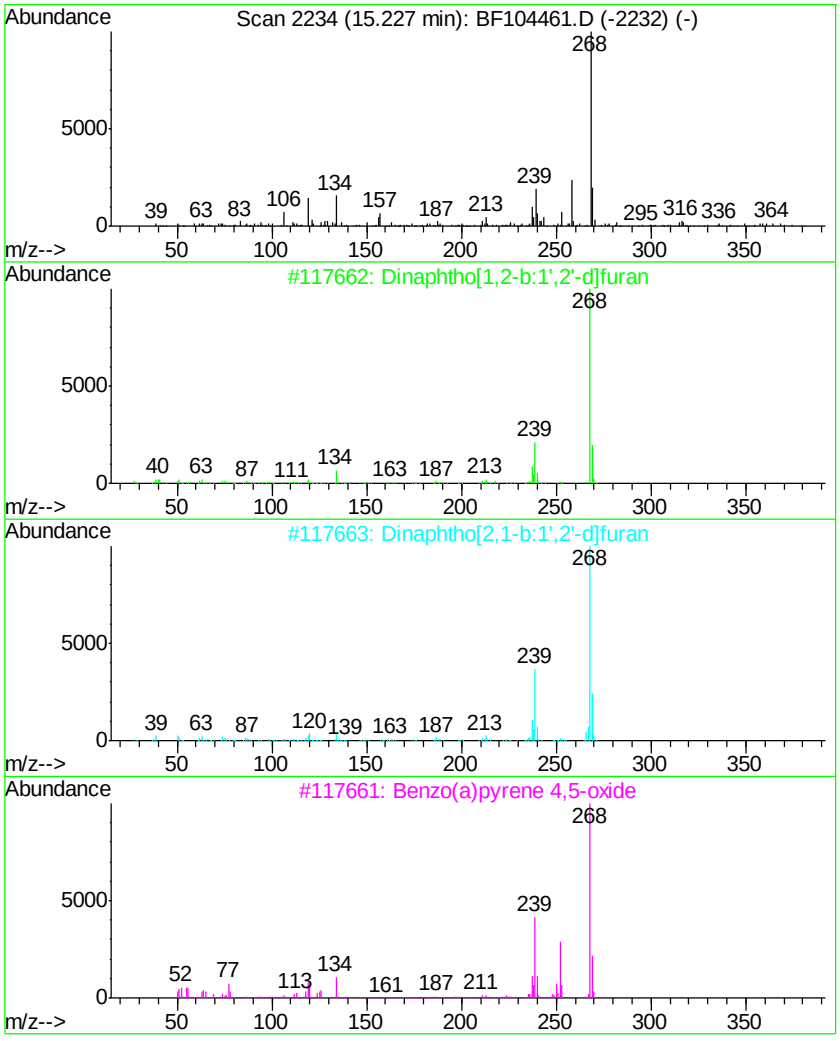
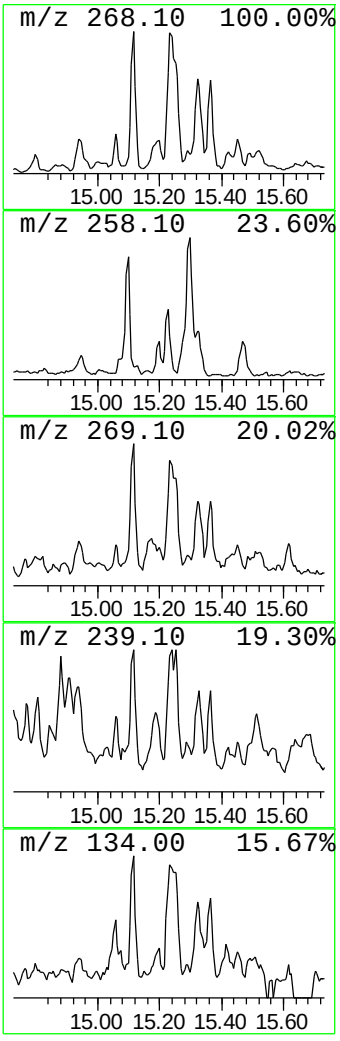
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	7.03 ng	206399	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53





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Misc :
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Instrument : BNA_F
ClientSampleId : S1

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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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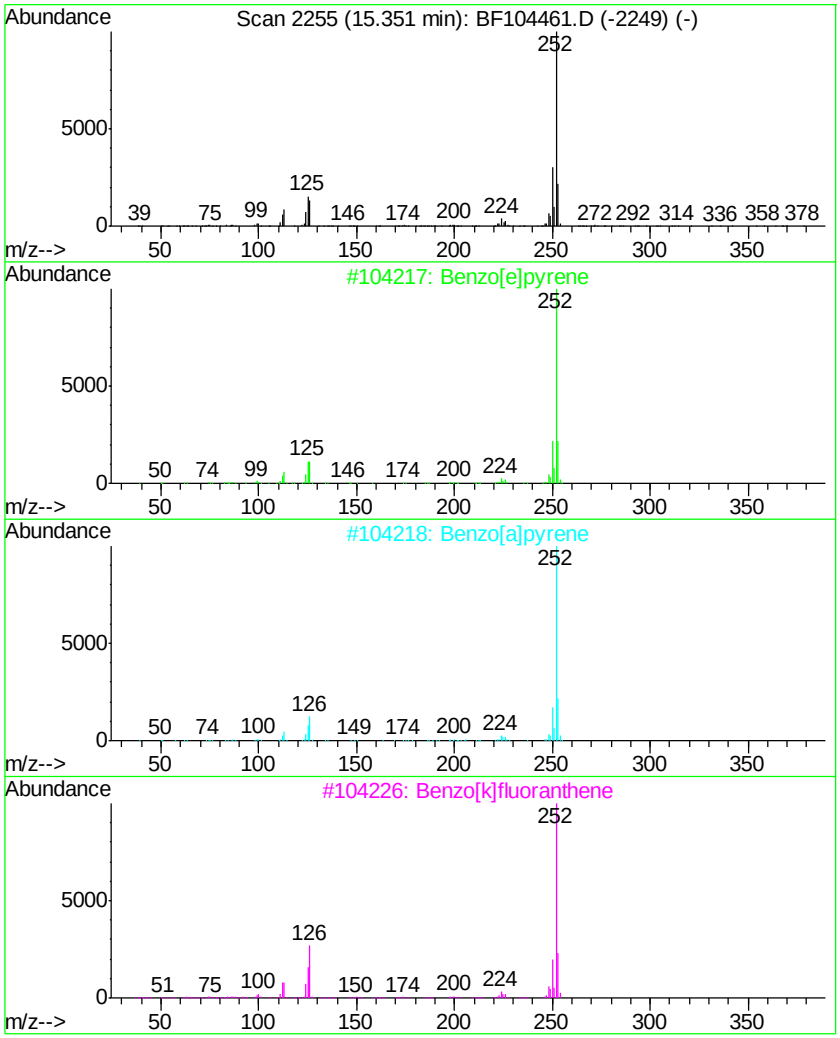
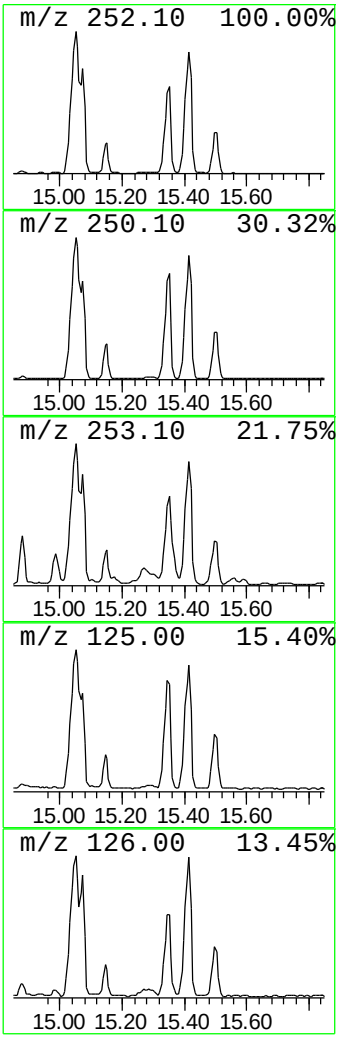
Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	66.24 ng	1945600	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	87





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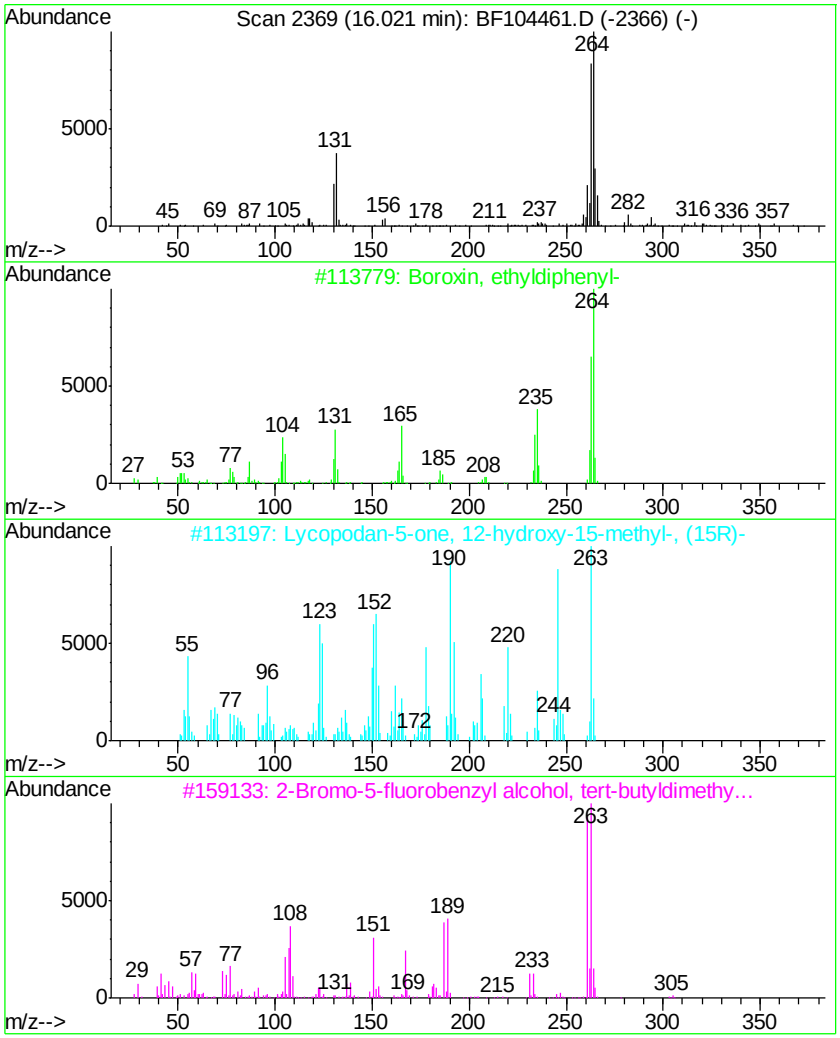
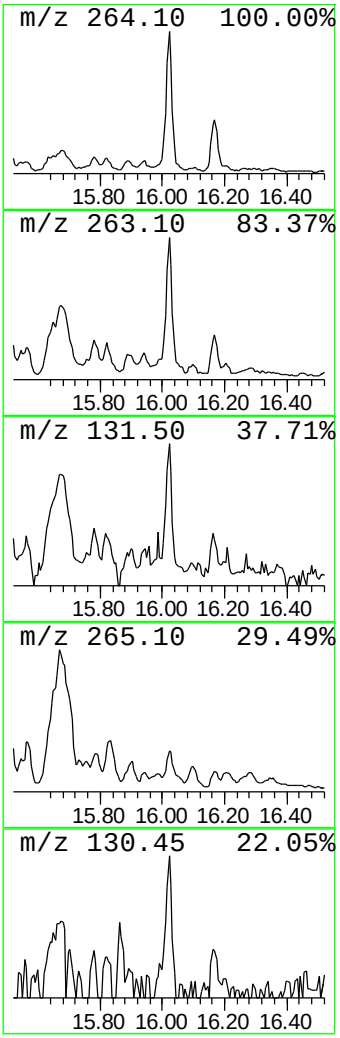
Peak Number 17 Boroxin, ethyldiphenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	9.95 ng	292227	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	47
3	2-Bromo-5-fluorobenzyl alcohol, ...	318	C13H20BrFOSi	1000364-15-6	35
4	2,3,4,5,6-Pentachlorobenzyl 3-et...	518	C18H15Cl5O5S	1000332-55-0	35
5	10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5	25





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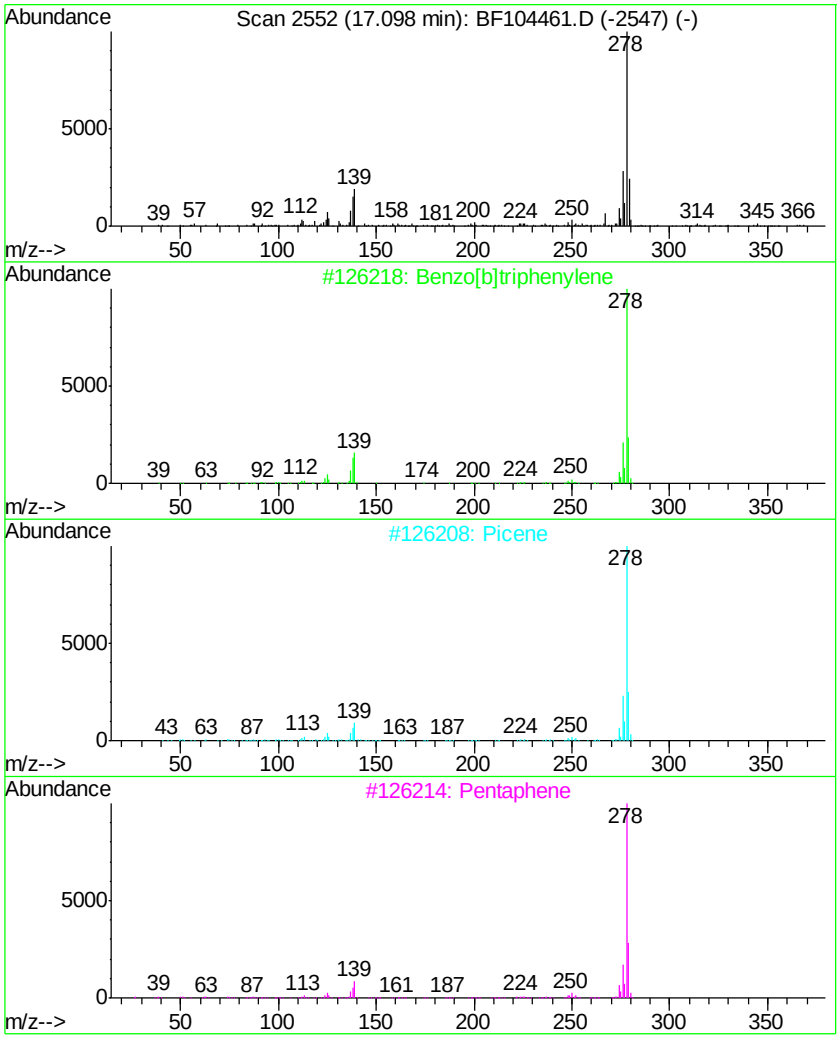
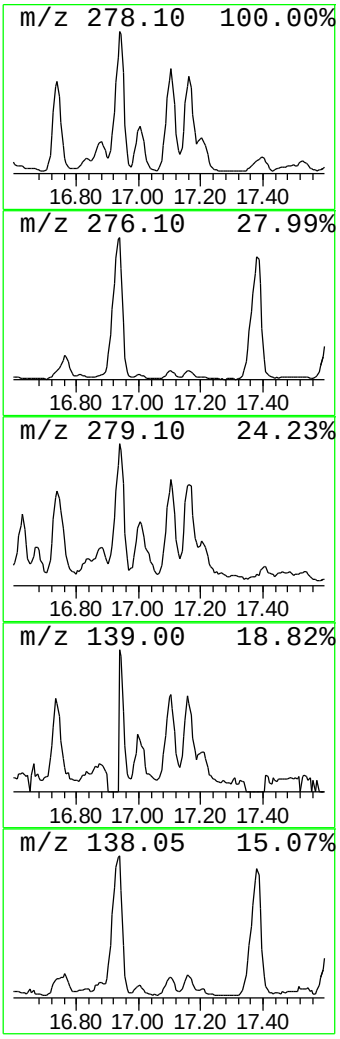
Peak Number 18 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	12.15 ng	356860	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Pentaphene	278	C22H14	000222-93-5	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
5	Benzo[b]chrysene	278	C22H14	000214-17-5	95





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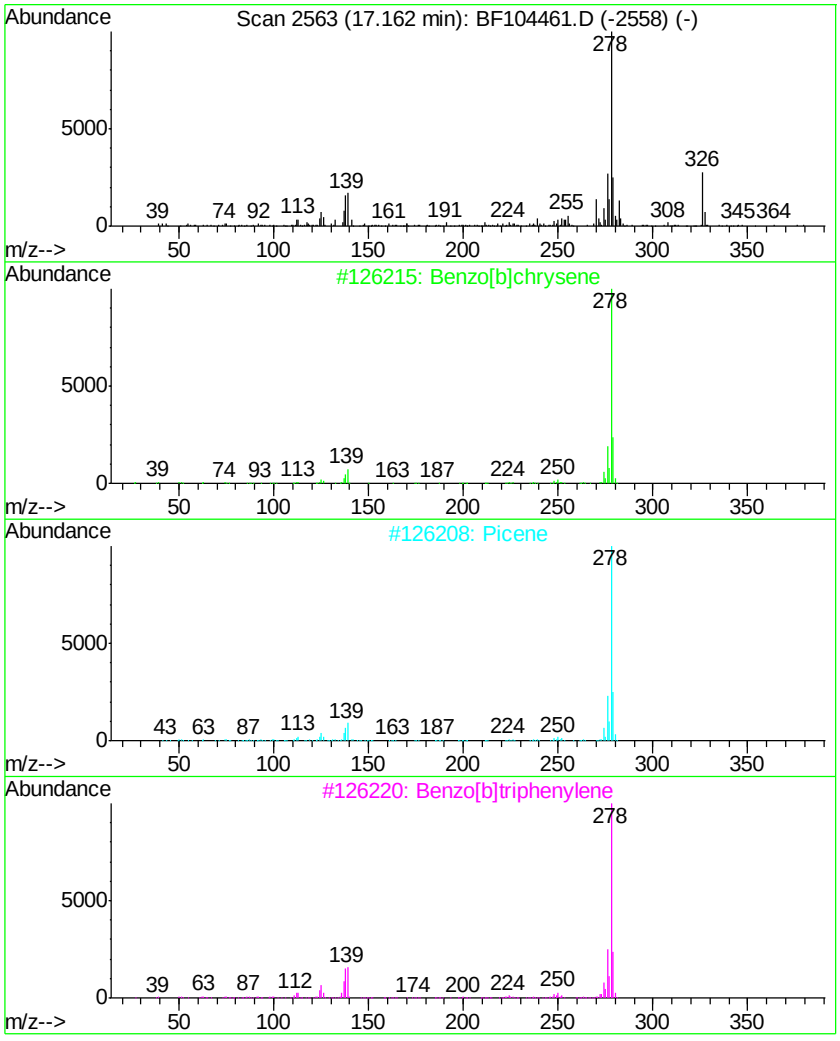
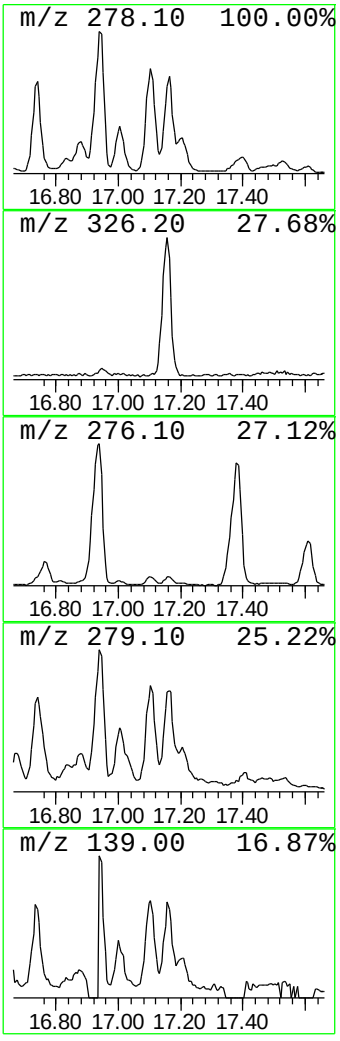
Peak Number 19 Benzo[b]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	12.61 ng	370400	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	91
2	Picene	278	C22H14	000213-46-7	91
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	64





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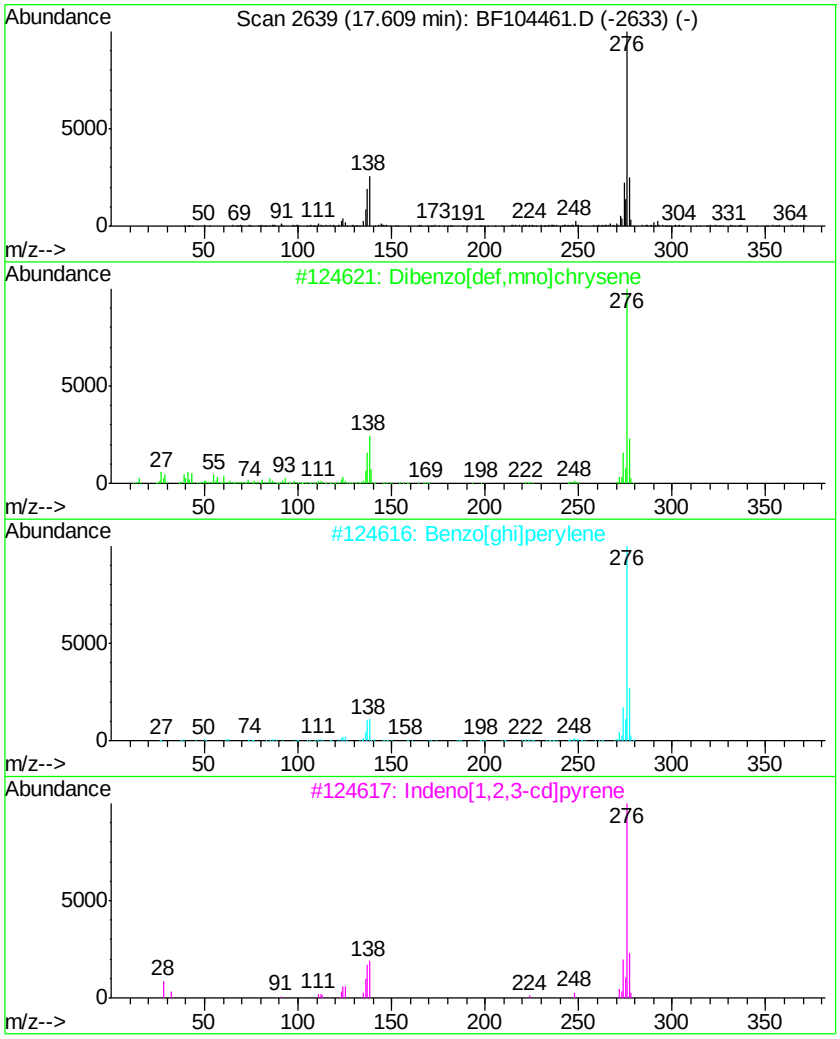
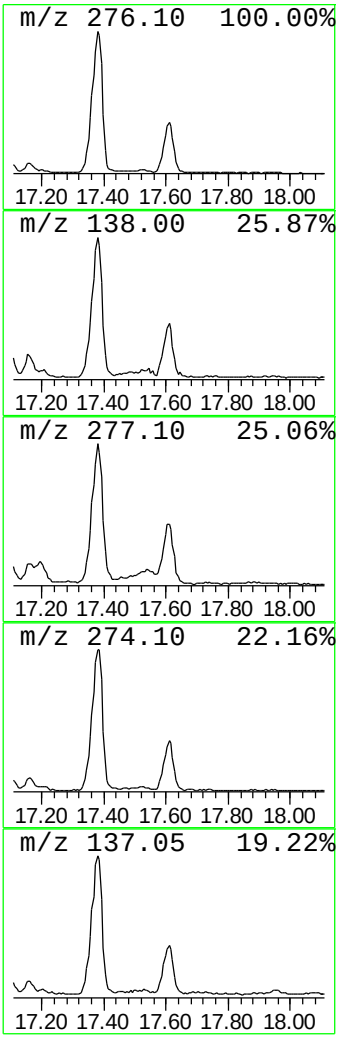
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	17.92 ng	526402	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

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Operator : JU/SJ
Sample : J2335-01 5X
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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
unknown6.57	6.57	16.4	ng	548757	1	6.81	668895	20.0
Anthracene, 1,2,3...	11.20	14.0	ng	455524	4	11.35	649286	20.0
Dibenzothiophene	11.24	11.3	ng	368241	4	11.35	649286	20.0
Phenanthrene, 2-m...	11.85	16.9	ng	548340	4	11.35	649286	20.0
4H-Cyclopenta[def...	11.96	41.8	ng	1358370	4	11.35	649286	20.0
Naphthalene, 2-ph...	12.14	11.4	ng	370484	4	11.35	649286	20.0
4b,8-Dimethyl-2-i...	12.29	8.8	ng	284874	4	11.35	649286	20.0
Fluoranthene, 2-m...	13.12	8.5	ng	2157870	5	14.00	5062240	20.0
Eicosane, 10-methyl-	14.77	9.3	ng	274207	6	15.47	587483	20.0
Benz(a)anthracene...	14.88	8.9	ng	260966	6	15.47	587483	20.0
Dinaphtho[1,2-b:1...	15.23	7.0	ng	206399	6	15.47	587483	20.0
Benzo[e]pyrene	15.35	66.2	ng	1945600	6	15.47	587483	20.0
Boroxin, ethyldip...	16.02	9.9	ng	292227	6	15.47	587483	20.0
Benzo[b]triphenylene	17.10	12.2	ng	356860	6	15.47	587483	20.0
Benzo[b]chrysene	17.16	12.6	ng	370400	6	15.47	587483	20.0
Dibenzo[def,mno]c...	17.61	17.9	ng	526402	6	15.47	587483	20.0