LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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	5.028	490	500	503	rBV	2208040	3656432	100.00%	6.179%
2	5.416	562	566	571	rVB	220936	197076	5.39%	0.333%
3	6.440	735	740	746	rBV	1537080	1553965	42.50%	2.626%
4	6.569	759	762	766	rVB	837474	677795	18.54%	1.145%
5	6.804	798	802	808	rVB	1015351	845409	23.12%	1.429%
6	6.957	824	828	832	rBV	2067419	1863803	50.97%	3.150%
7	7.063	842	846	852	rBV2	78875	114116	3.12%	0.193%
8	7.369	894	898	901	rVV	1859275	1631672	44.62%	2.757%
9	7.904	986	989	994	rVB	174745	156450	4.28%	0.264%
10	8.086	1014	1020	1023	rBV	1276294	1131066	30.93%	1.911%
11	8.363	1064	1067	1074	rVB6	61097	109786	3.00%	0.186%
12	8.504	1088	1091	1093	rBV	138017	111411	3.05%	0.188%
13	9.104	1190	1193	1196	rVB	188892	137898	3.77%	0.233%
14	9.163	1199	1203	1206	rVB	2642486	2139049	58.50%	3.615%
15	9.239	1212	1216	1219	rBV2	174387	222840	6.09%	0.377%
16	9.357	1233	1236	1242	rVB	170164	190028	5.20%	0.321%
17	9.428	1244	1248	1251	rVB2	163382	201120	5.50%	0.340%
18	9.498	1257	1260	1263	rVV	264738	282037	7.71%	0.477%
19	9.557	1266	1270	1277	rVV3	531223	671816	18.37%	1.135%
20	9.704	1292	1295	1298	rBV	890391	713393	19.51%	1.206%
21	9.845	1313	1319	1322	rVB	1129271	1097699	30.02%	1.855%
22	9.875	1322	1324	1327	rBV2	280448	221470	6.06%	0.374%
23	9.945	1333	1336	1340	rBV2	128258	162149	4.43%	0.274%
24	9.998	1341	1345	1348	rVV4	88846	134141	3.67%	0.227%
25	10.045	1348	1353	1356	rVV3	150066	228945	6.26%	0.387%
26	10.086	1357	1360	1364	rVV3	170538	197872	5.41%	0.334%
27	10.157	1368	1372	1374	rBV2	188846	225950	6.18%	0.382%
28	10.186	1375	1377	1379	rVV	131723	109234	2.99%	0.185%
29	10.245	1384	1387	1389	rBV2	173298	210695	5.76%	0.356%
30	10.269	1389	1391	1393	rVB	183711	129891	3.55%	0.219%
31	10.298	1393	1396	1398	rBV	260112	218328	5.97%	0.369%
32	10.363	1405	1407	1409	rVV2	171660	148989	4.07%	0.252%
33	10.392	1409	1412	1418	rVV3	185348	299199	8.18%	0.506%
34	10.492	1424	1429	1433	rVV4	163006	337848	9.24%	0.571%

LSC Area Percent Report

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Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

35	10.545	1435	1438	1441	rVB3	93977	107740	2.95%	0.182%
36	10.757	1469	1474	1480	rVB3	411599	546118	14.94%	0.923%
37	10.810	1480	1483	1485	rBV3	99168	108518	2.97%	0.183%
38	10.939	1501	1505	1507	rBV2	210986	278202	7.61%	0.470%
39	10.969	1507	1510	1512	rVB	122533	113958	3.12%	0.193%
40	11.022	1517	1519	1522	rVB2	173186	146073	3.99%	0.247%
41	11.092	1528	1531	1534	rVB	222040	181018	4.95%	0.306%
42	11.227	1551	1554	1559	rVB2	282697	325247	8.90%	0.550%
43	11.333	1568	1572	1574	rBV	1089663	960071	26.26%	1.622%
44	11.357	1574	1576	1579	rVV	1301866	959150	26.23%	1.621%
45	11.410	1582	1585	1587	rVV	843430	694154	18.98%	1.173%
46	11.439	1587	1590	1593	rVV2	141939	161116	4.41%	0.272%
47	11.569	1609	1612	1616	rBV4	105126	153752	4.20%	0.260%
48	11.627	1620	1622	1624	rVV	161730	124194	3.40%	0.210%
49	11.663	1625	1628	1634	rVB	258422	243332	6.65%	0.411%
50	11.745	1639	1642	1646	rVB	154416	177550	4.86%	0.300%
51	11.833	1654	1657	1660	rBV	584073	568459	15.55%	0.961%
52	11.863	1660	1662	1665	rVV	513292	402575	11.01%	0.680%
53	11.910	1667	1670	1673	rVV	537928	540909	14.79%	0.914%
54	11.945	1673	1676	1679	rVV2	1015394	1253517	34.28%	2.118%
55	11.969	1679	1680	1684	rVB	506077	370946	10.15%	0.627%
56	12.069	1694	1697	1699	rBV2	144167	116510	3.19%	0.197%
57	12.133	1705	1708	1710	rVB	386979	302317	8.27%	0.511%
58	12.280	1728	1733	1736	rBV2	273183	357530	9.78%	0.604%
59	12.310	1736	1738	1741	rVV	216073	206419	5.65%	0.349%
60	12.333	1741	1742	1745	rVB2	168722	129865	3.55%	0.219%
61	12.392	1748	1752	1754	rBV	614780	678719	18.56%	1.147%
62	12.427	1754	1758	1760	rVV	462642	555781	15.20%	0.939%
63	12.474	1763	1766	1771	rBV2	231796	387439	10.60%	0.655%
64	12.551	1776	1779	1782	rBV	1888150	1756193	48.03%	2.968%
65	12.592	1783	1786	1788	rVV2	355003	386257	10.56%	0.653%
66	12.645	1792	1795	1798	rVV	623888	567735	15.53%	0.959%
67	12.722	1802	1808	1813	rVV2	413770	613061	16.77%	1.036%
68	12.786	1813	1819	1824	rVV	2275980	2644435	72.32%	4.469%
69	12.833	1824	1827	1831	rVB2	204690	247227	6.76%	0.418%
70	12.921	1839	1842	1850	rVB	2021719	2012853	55.05%	3.401%
71	12.998	1851	1855	1862	rBV2	442624	655487	17.93%	1.108%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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	13.057	1862	1865	1867	rBV2	238842	242626	6.64%	0.410%
73	13.110	1871	1874	1877	rVB	996145	1002986	27.43%	1.695%
74	13.174	1882	1885	1889	rVB	726931	635874	17.39%	1.075%
75	13.216	1889	1892	1894	rBV	599921	505080	13.81%	0.854%
76	13.280	1900	1903	1905	rBV	367358	422925	11.57%	0.715%
77	13.310	1905	1908	1910	rVV	604312	676554	18.50%	1.143%
78	13.339	1910	1913	1920	rVB	668955	697900	19.09%	1.179%
79	13.510	1940	1942	1944	rBV2	142751	128216	3.51%	0.217%
80	13.592	1953	1956	1958	rBV2	239382	281913	7.71%	0.476%
81	13.727	1977	1979	1982	rVB	255105	227410	6.22%	0.384%
82	13.757	1982	1984	1986	rVB	321257	227021	6.21%	0.384%
83	13.780	1986	1988	1990	rBV	164039	118775	3.25%	0.201%
84	13.810	1991	1993	2000	rVB4	382483	462835	12.66%	0.782%
85	13.886	2004	2006	2010	rBV2	147992	186738	5.11%	0.316%
86	13.974	2015	2021	2025	rBV3	1842708	3064914	83.82%	5.179%
87	14.010	2025	2027	2032	rVB	1620293	1491060	40.78%	2.520%
88	14.333	2080	2082	2084	rBV	174853	157102	4.30%	0.265%
89	14.368	2085	2088	2092	rVV	661732	794849	21.74%	1.343%
90	14.404	2092	2094	2097	rVB	415083	323675	8.85%	0.547%
91	14.498	2107	2110	2112	rBV	371326	353790	9.68%	0.598%
92	14.521	2112	2114	2117	rVB	466822	365319	9.99%	0.617%
93	15.027	2195	2200	2203	rBV	839535	1454405	39.78%	2.458%
94	15.127	2214	2217	2228	rVB	419200	629171	17.21%	1.063%
95	15.327	2247	2251	2257	rVB	713615	875384	23.94%	1.479%
96	15.392	2257	2262	2266	rBV	1198981	1503521	41.12%	2.541%
97	15.451	2268	2272	2274	rBV	451564	555499	15.19%	0.939%
98	16.004	2363	2366	2371	rVB2	184574	252077	6.89%	0.426%
99	16.898	2513	2518	2528	rVB2	353397	653437	17.87%	1.104%
100	17.339	2588	2593	2601	rVB	274783	521533	14.26%	0.881%

Sum of corrected areas: 59176588

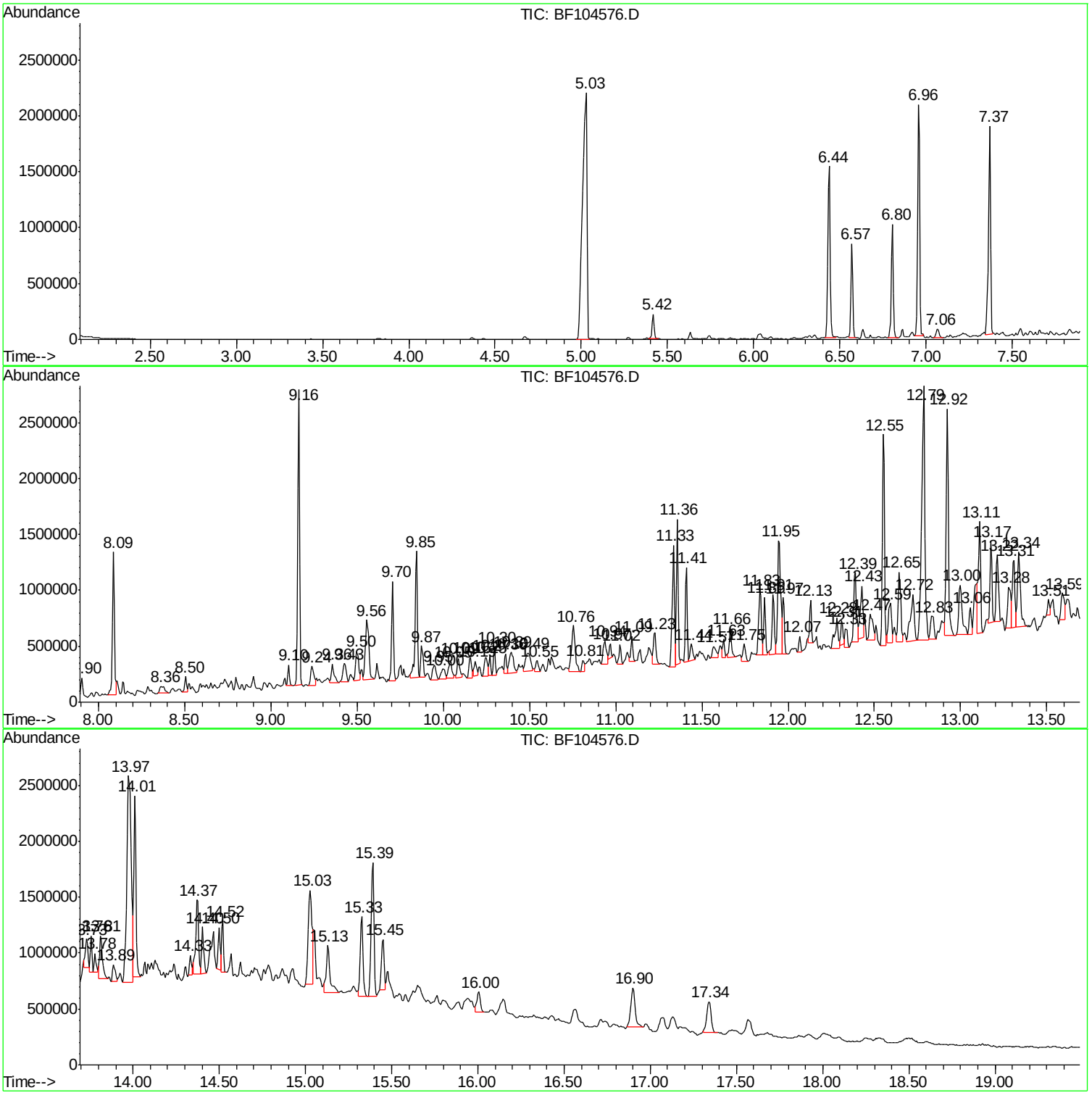
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-A

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-A

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

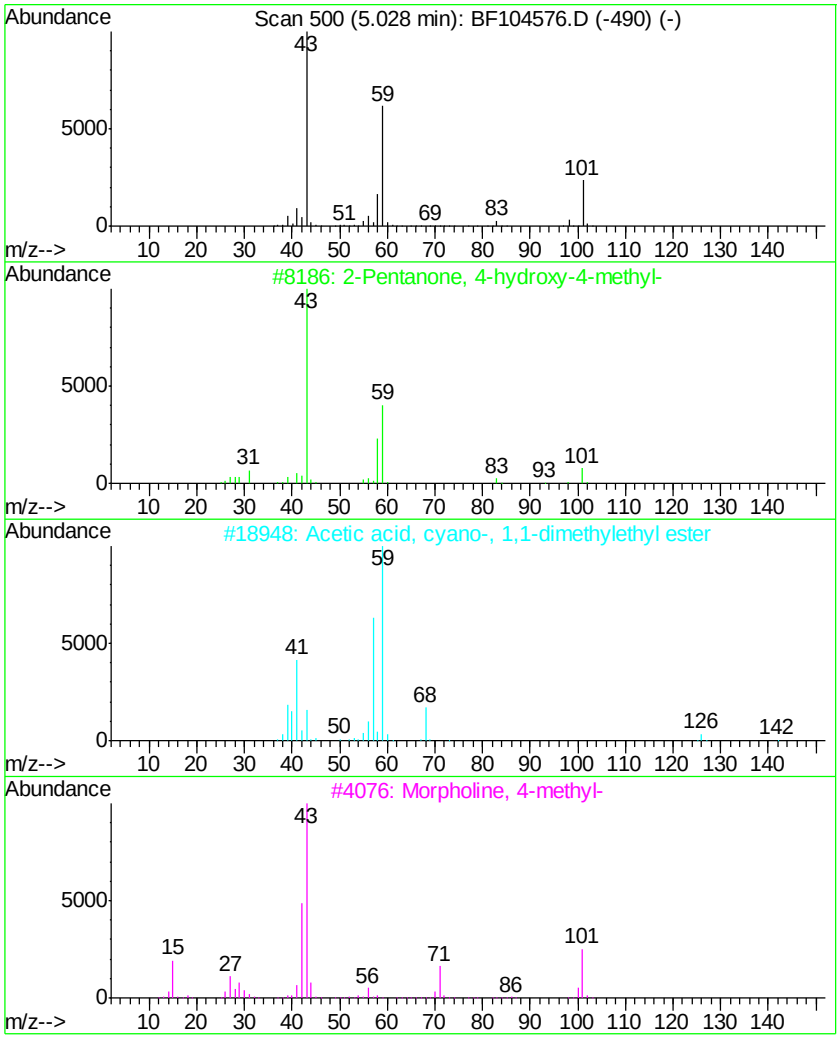
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

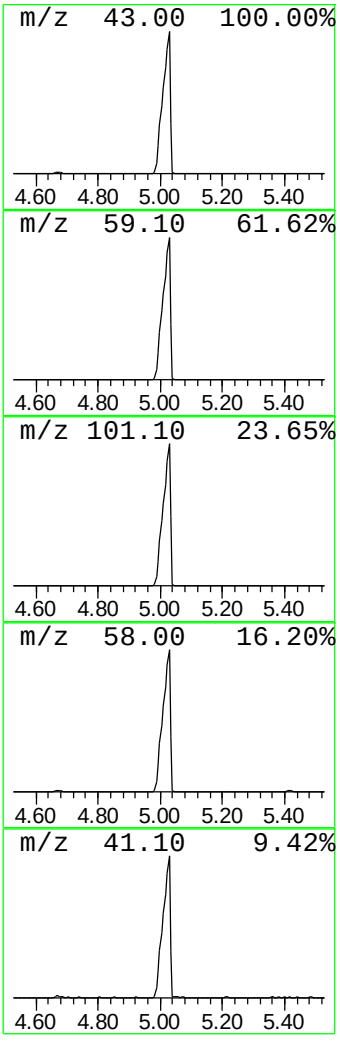
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	86.50 ng	3656430	1,4-Dichlorobenzene-d4	6.80

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, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

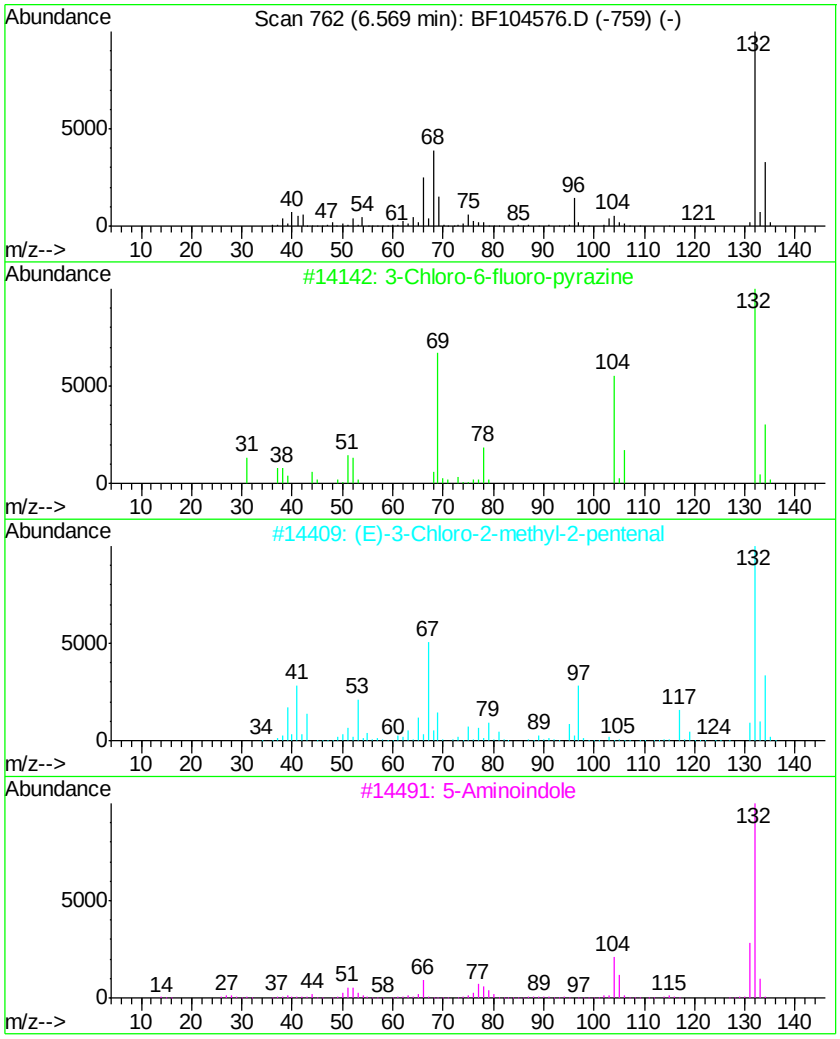
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

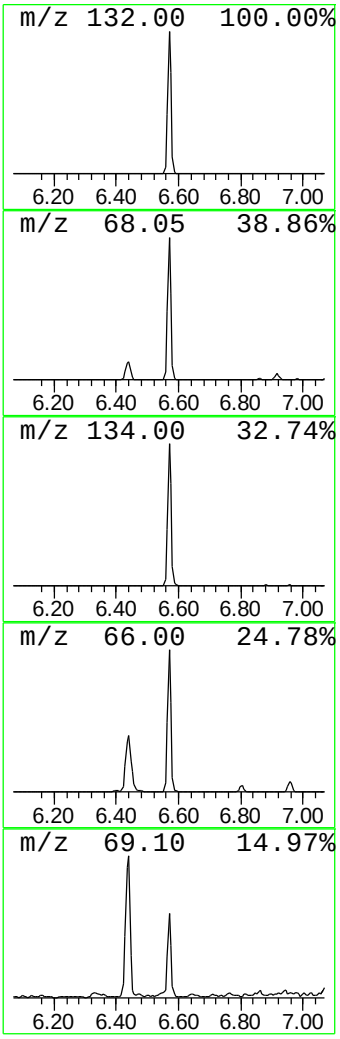
****

Peak Number 2 unknown6.57 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	16.03 ng	677795	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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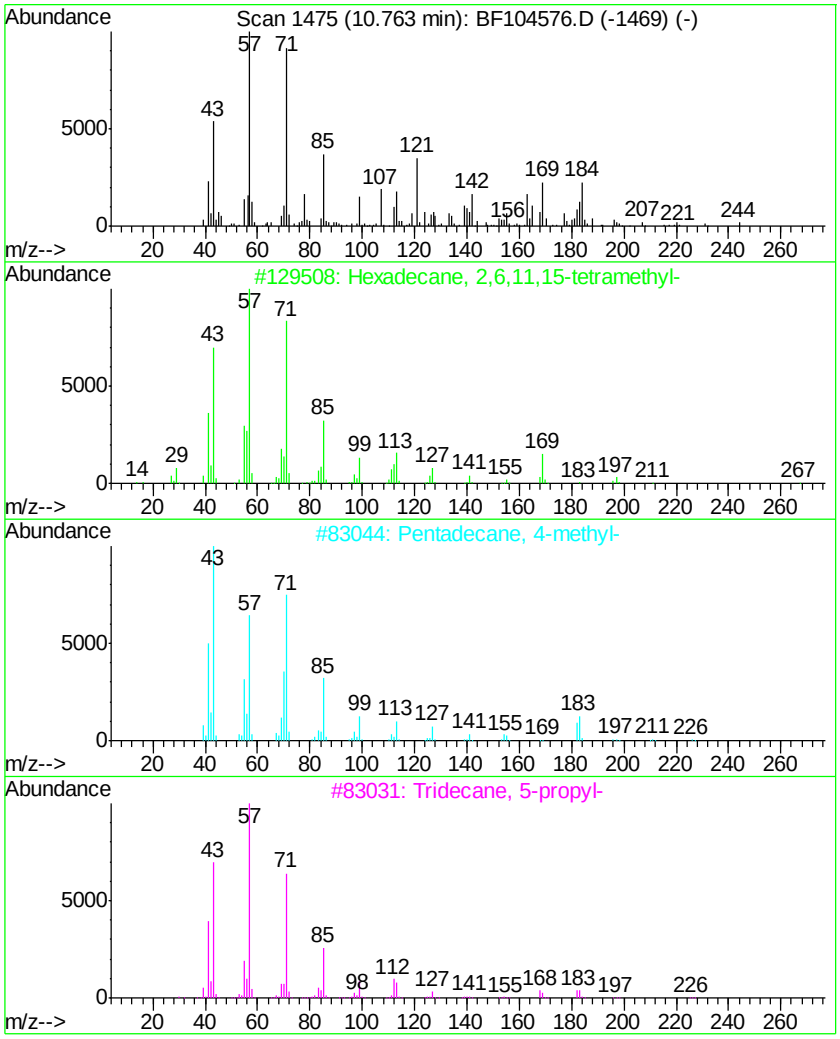
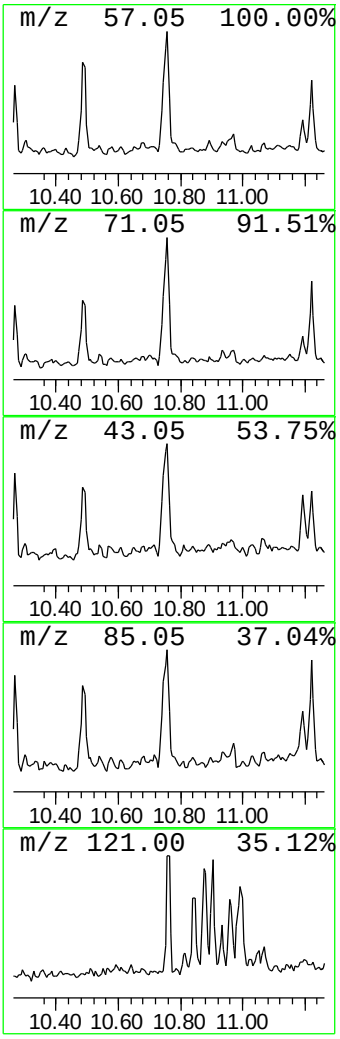
Peak Number 4 Hexadecane, 2,6,11,15-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	11.38 ng	546118	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	52
2	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	49
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	46
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	43
5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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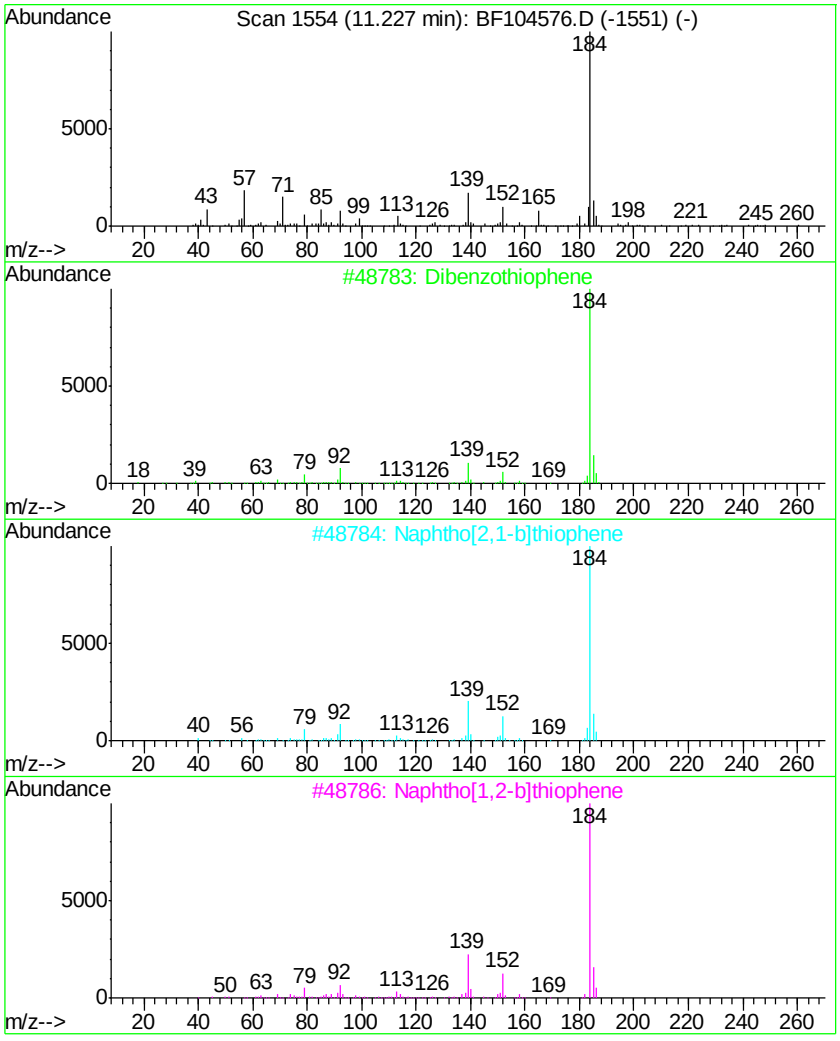
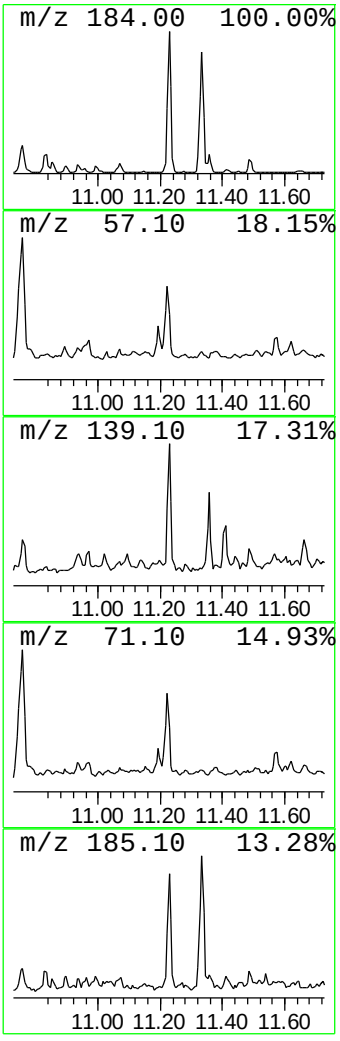
Peak Number 5 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	6.78 ng	325247	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180244-AMEND-COMP-A

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

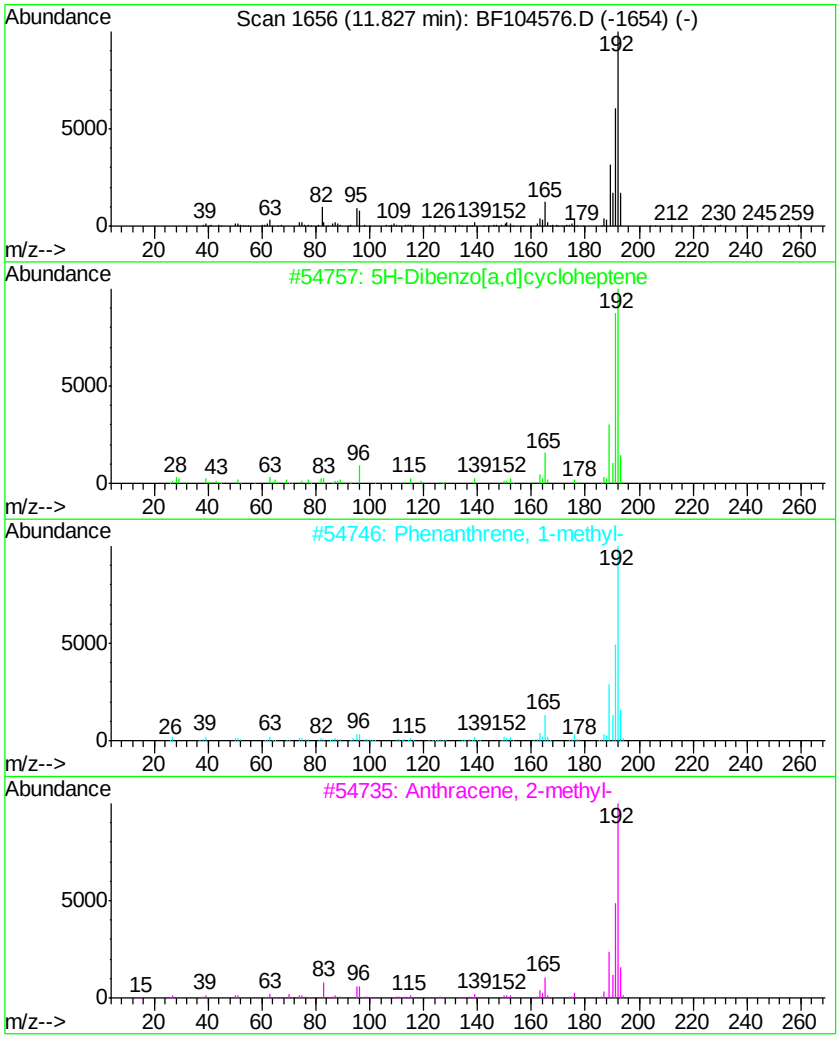
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

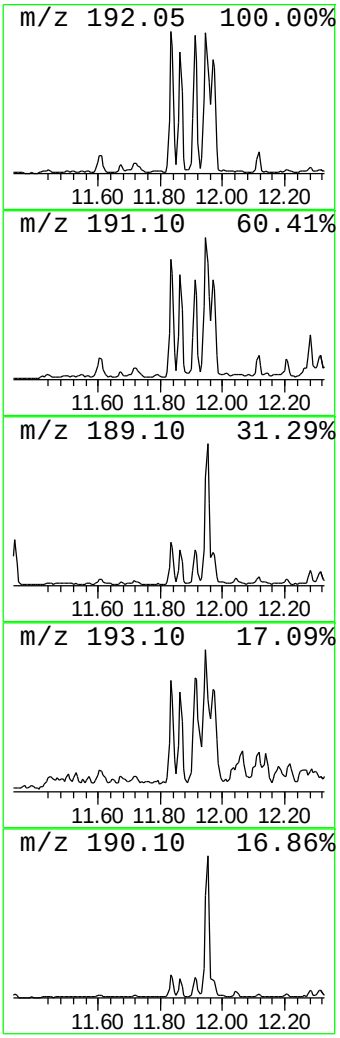
****

Peak Number 6 5H-Dibenzo[a,d]cycloheptene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	11.84 ng	568459	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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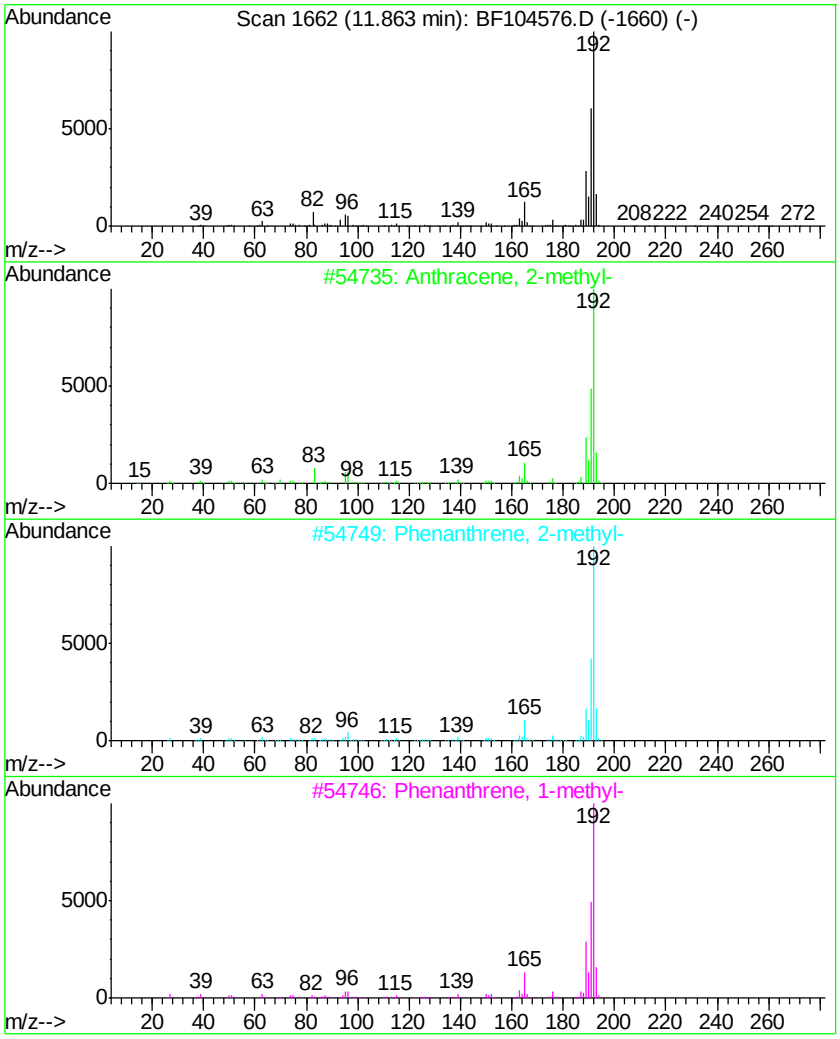
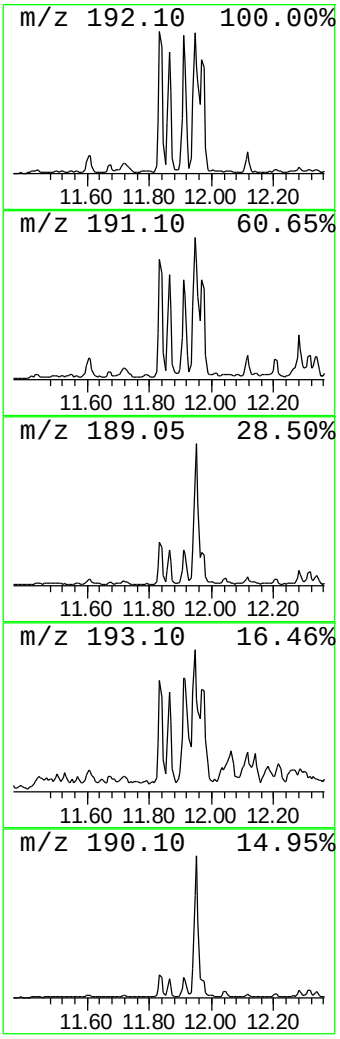
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	8.39 ng	402575	Phenanthrene-d10	11.33

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





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Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

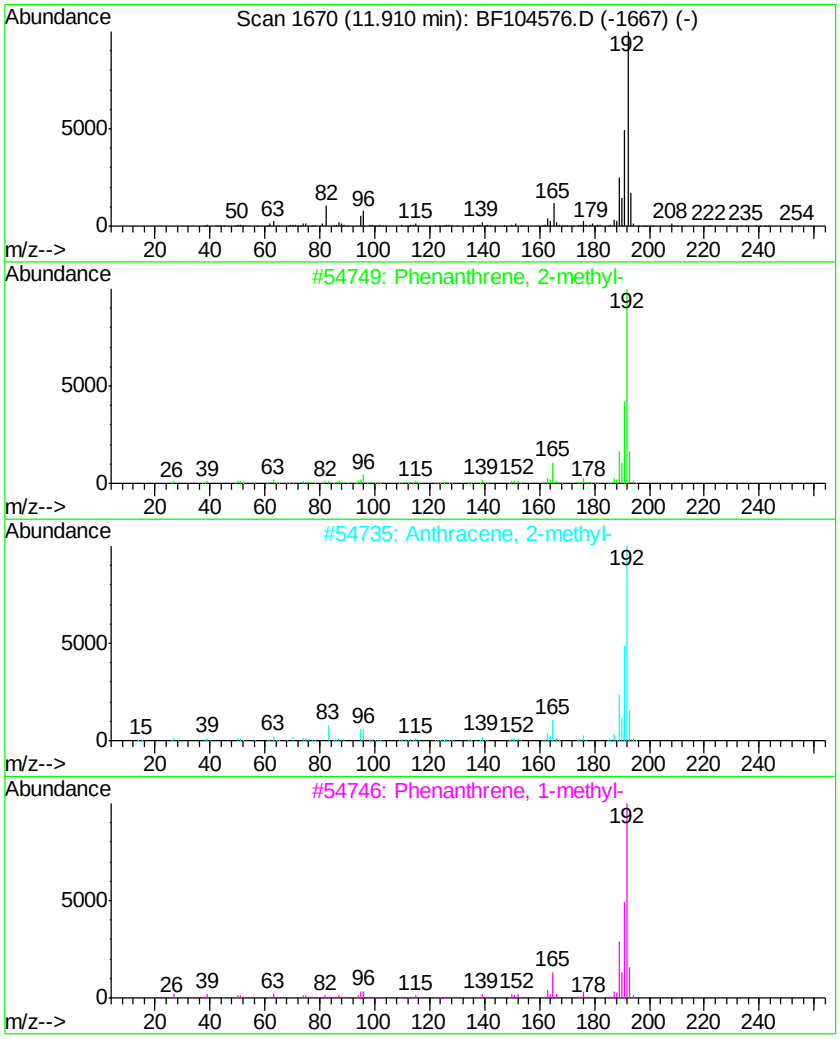
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

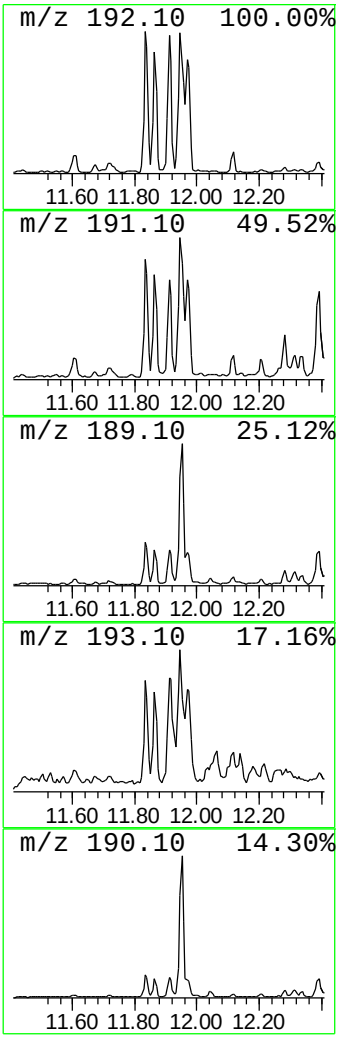
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	11.27 ng	540909	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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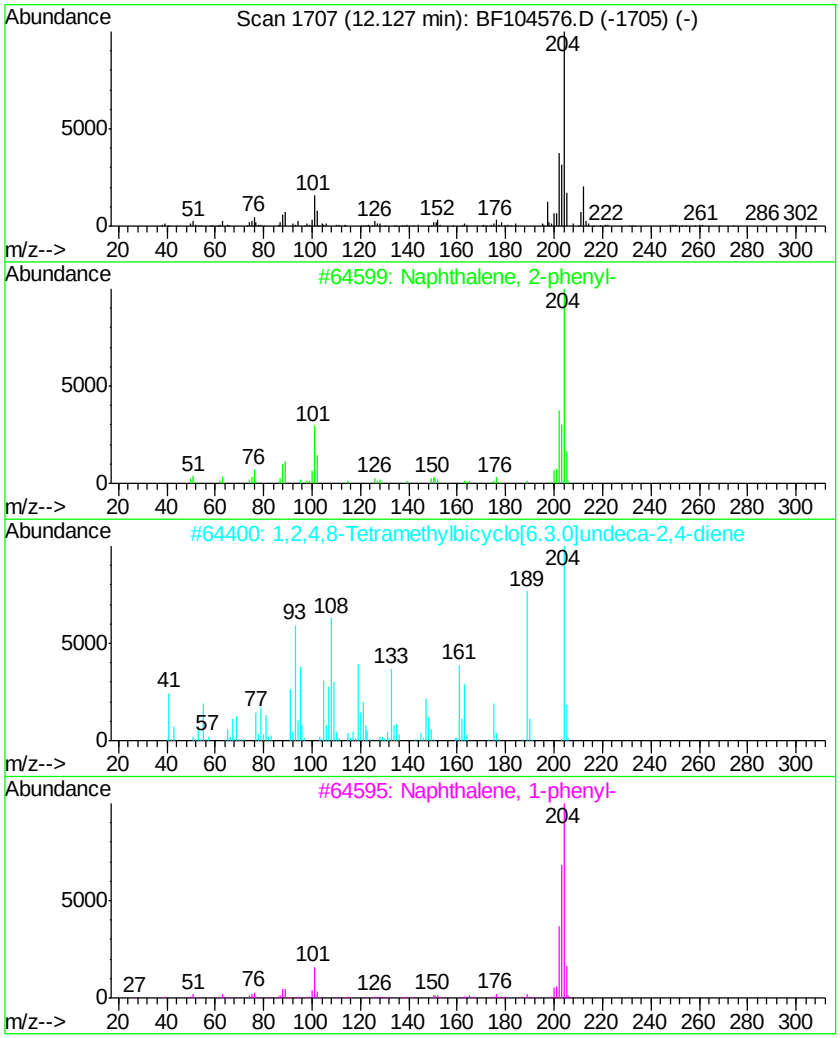
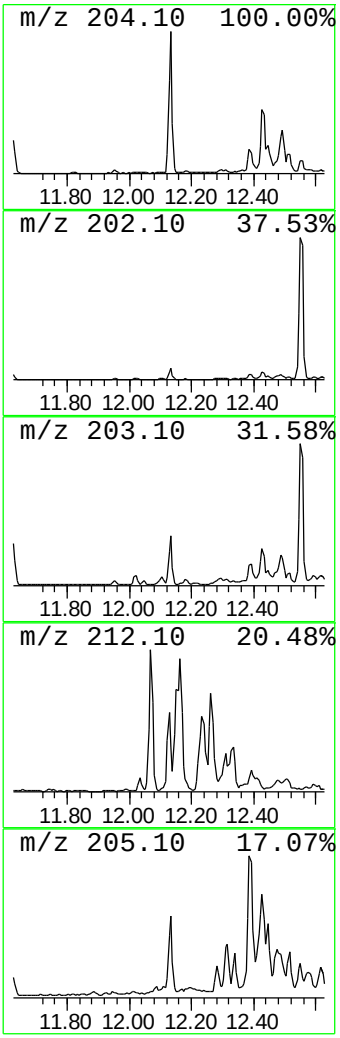
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	6.30 ng	302317	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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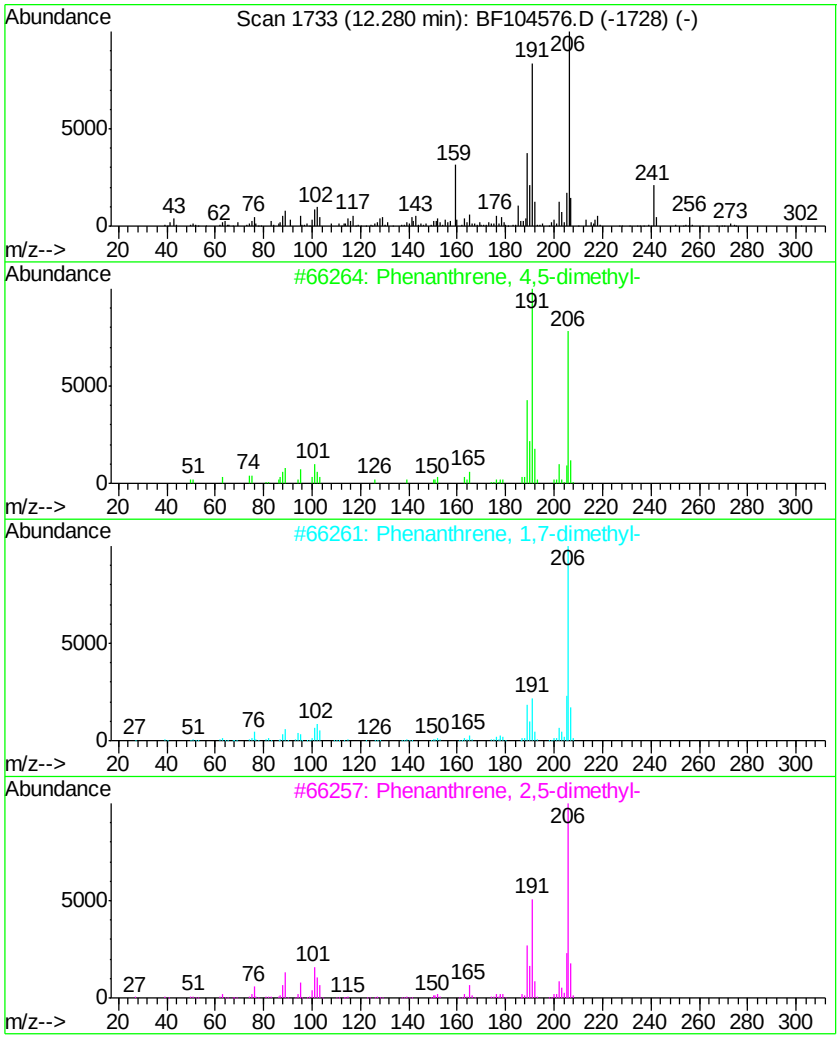
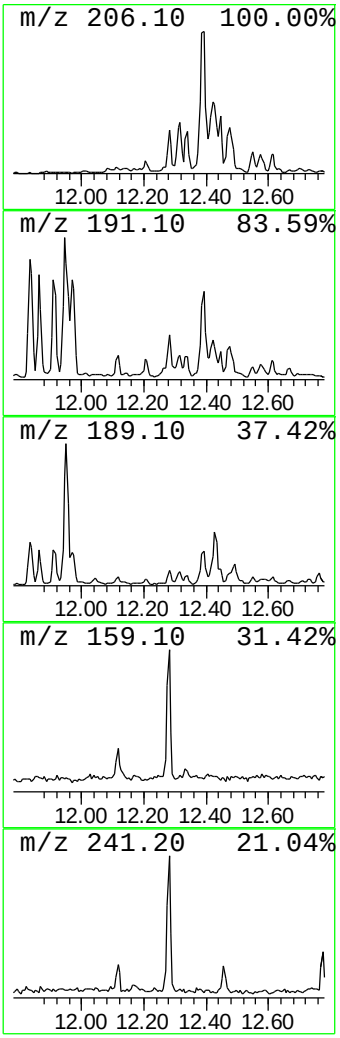
Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	7.45 ng	357530	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
5	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	70





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Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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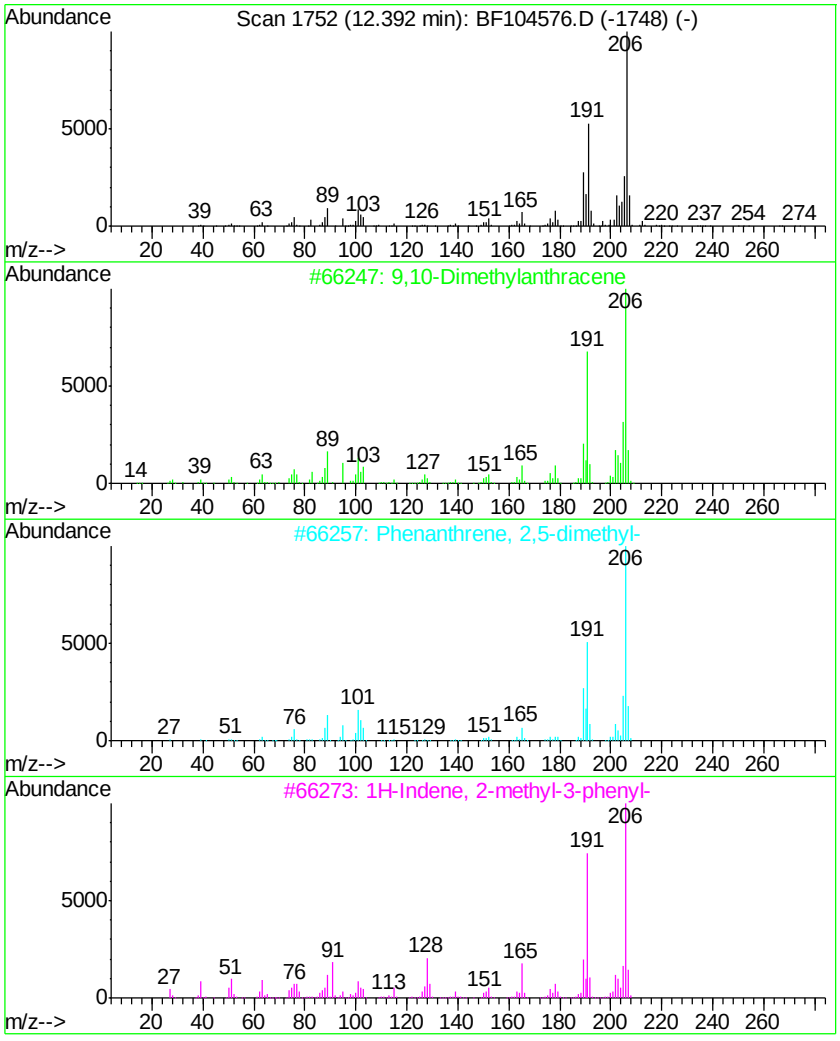
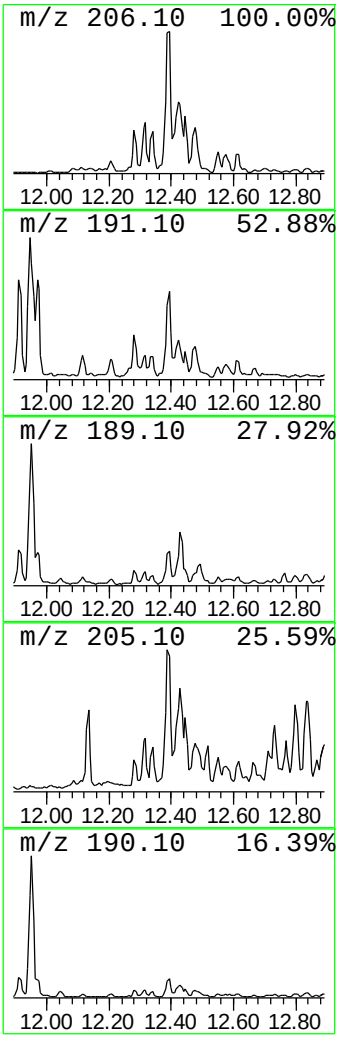
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	14.14 ng	678719	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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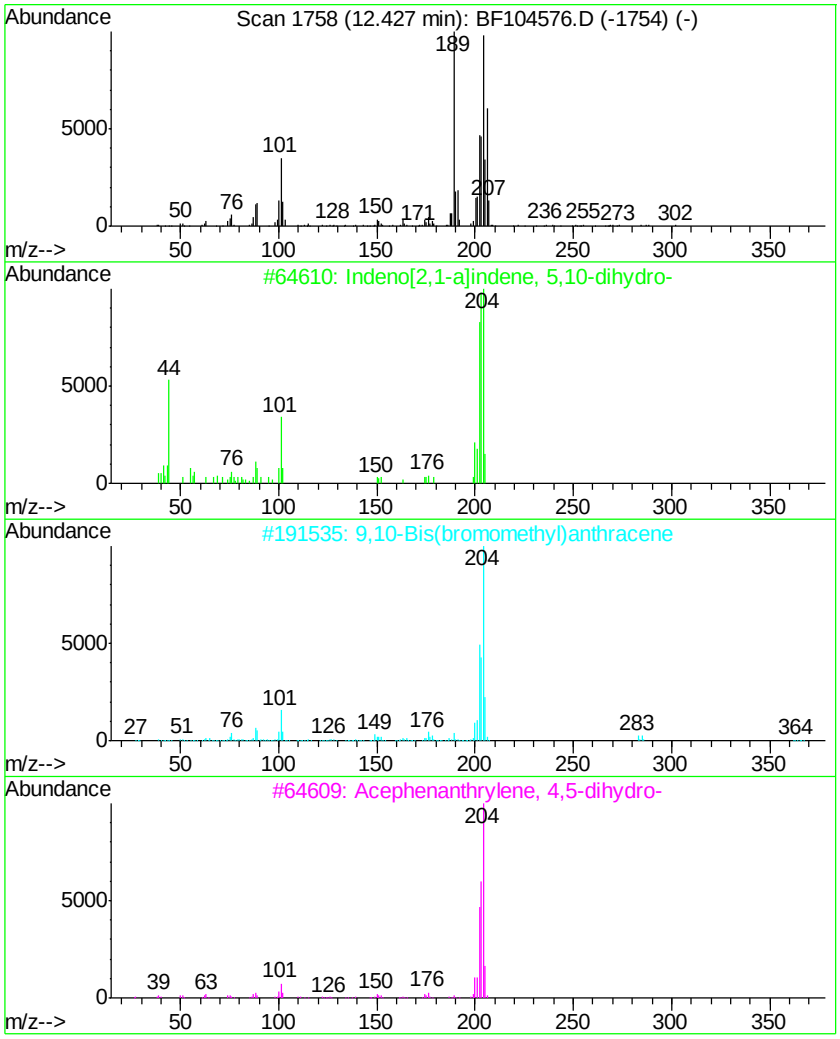
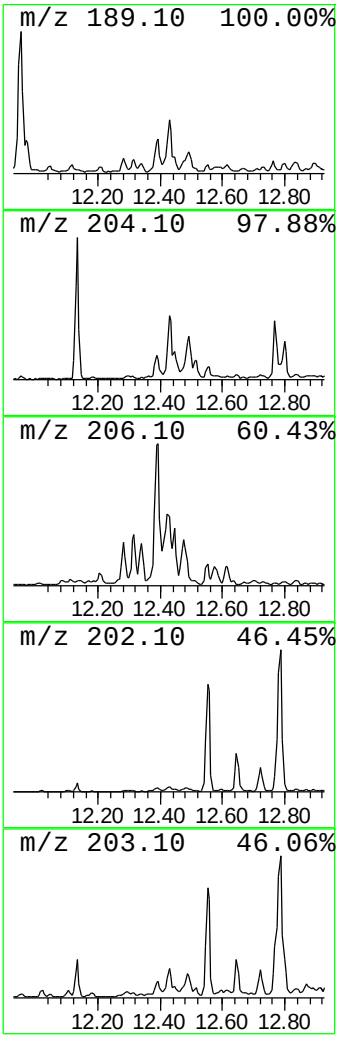
Peak Number 14 unknown12.43 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	11.58 ng	555781	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	49
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	41
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	40
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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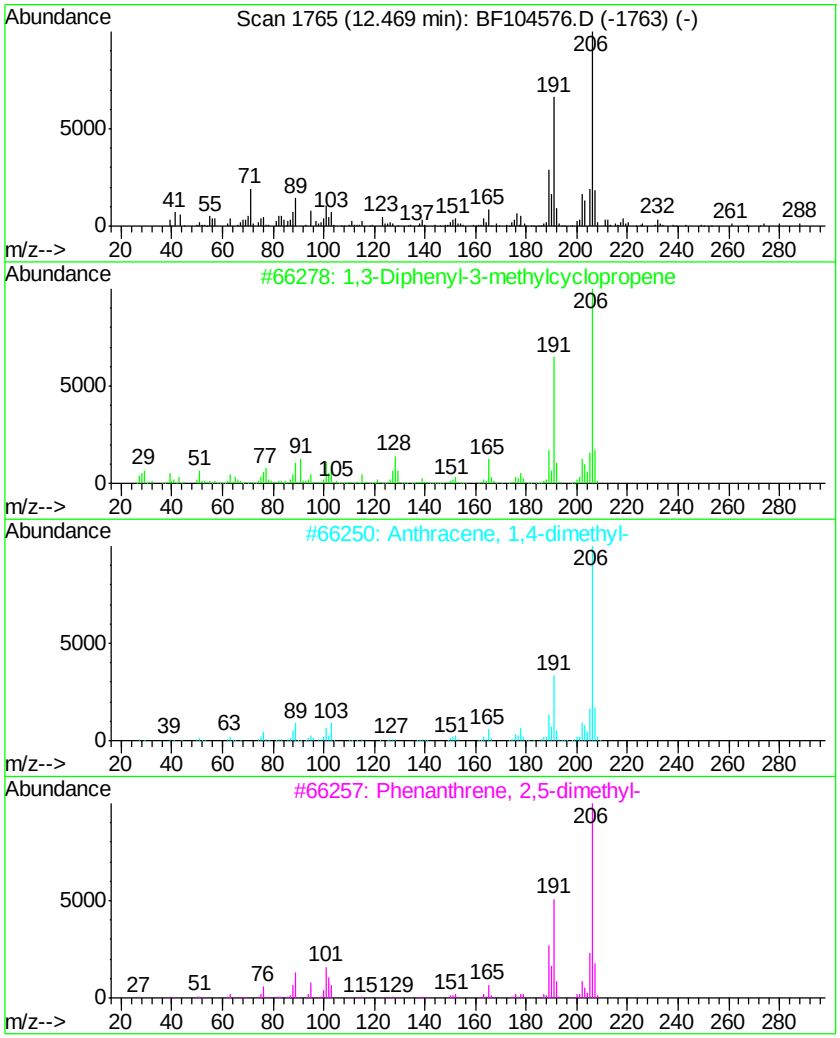
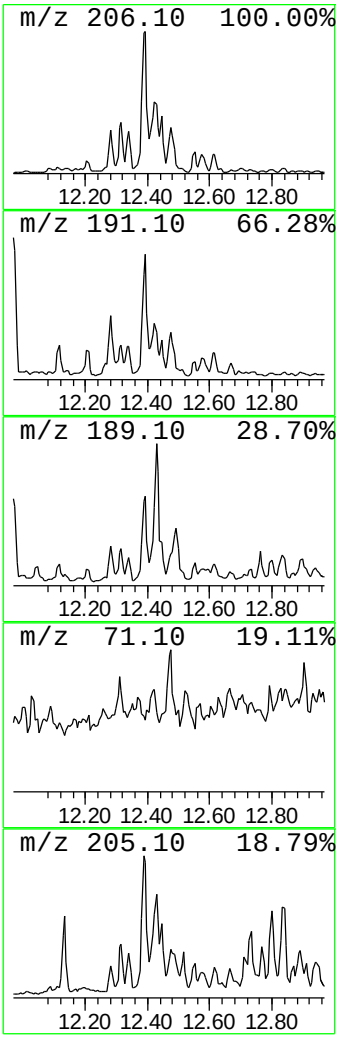
Peak Number 15 1,3-Diphenyl-3-methylcyclop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	8.07 ng	387439	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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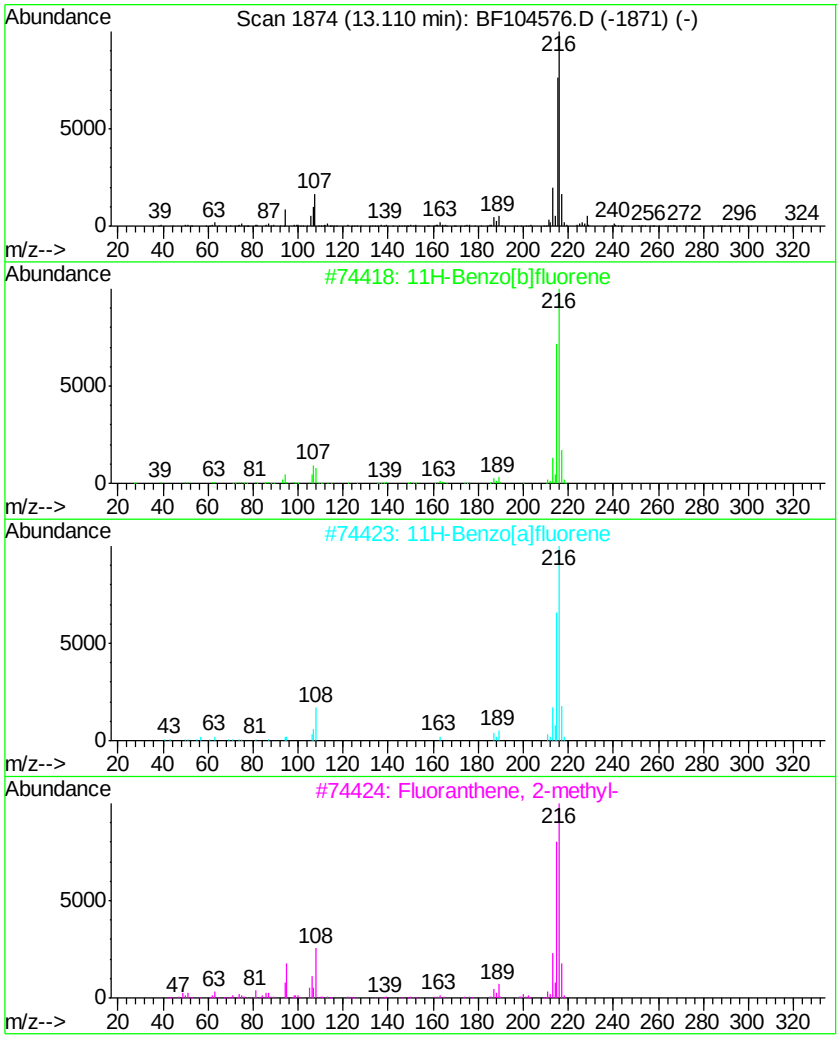
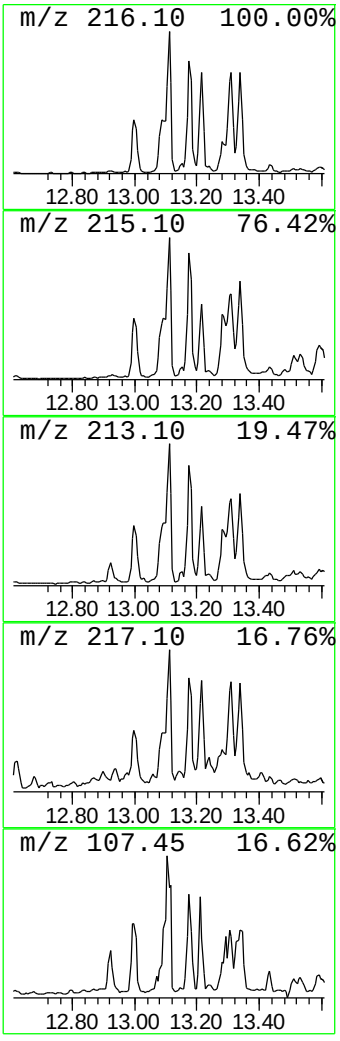
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	6.54 ng	1002990	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Operator : JU/SJ
Sample : J2387-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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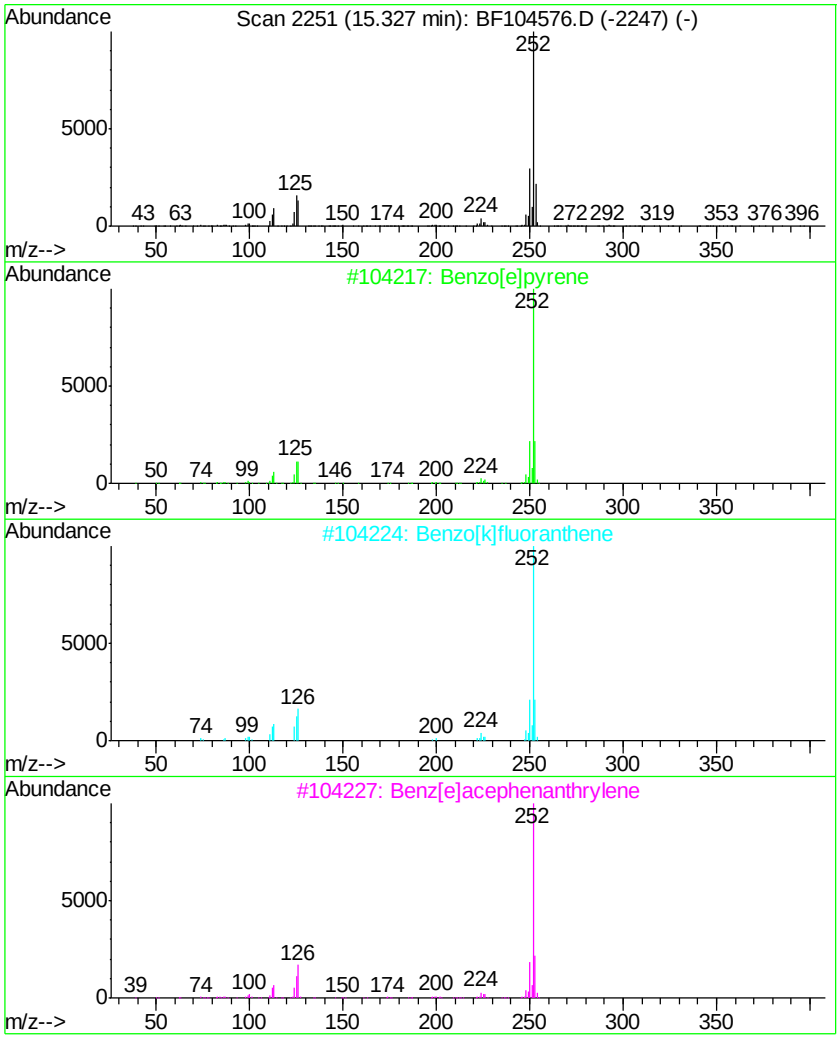
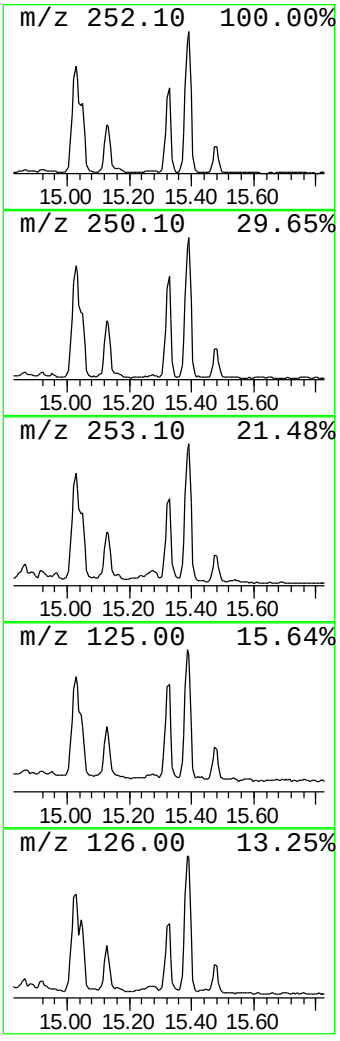
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	31.52 ng	875384	Perylene-d12	15.45

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	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Perylene	252	C20H12	000198-55-0	93





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Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180244-AMEND-COMP-A

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

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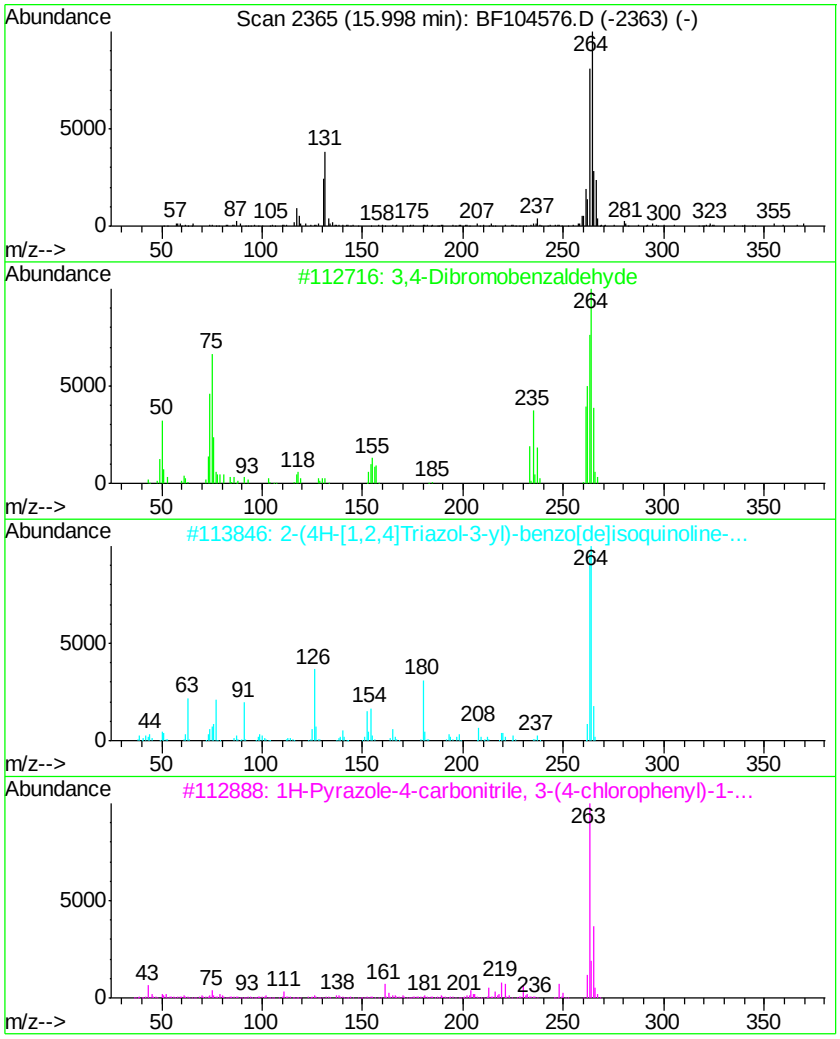
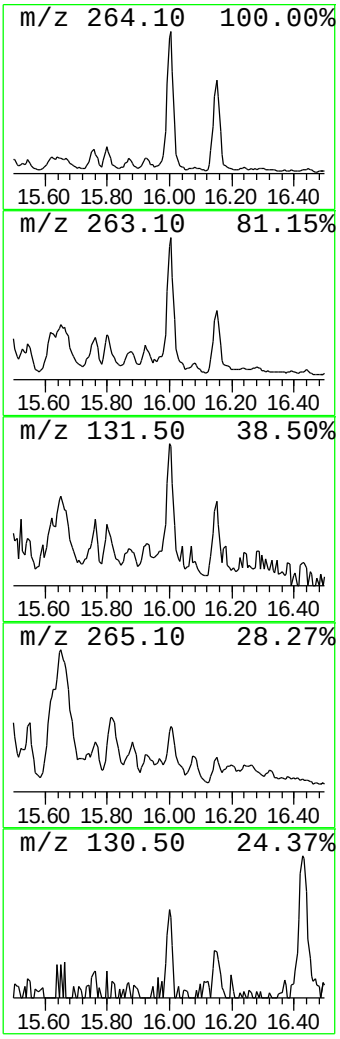
Peak Number 20 3,4-Dibromobenzaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	9.08 ng	252077	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
4	9-Chloro-7H-benzo[de]anthracen-7...	264	C17H9ClO	024092-47-5	30
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041718\
Data File : BF104576.D
Acq On : 17 Apr 2018 21:56
Operator : JU/SJ
Sample : J2387-07
Misc :
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Instrument : BNA_F
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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.03	86.5	ng	3656430	1	6.80	845409	20.0
unknown6.57	6.57	16.0	ng	677795	1	6.80	845409	20.0
Hexadecane, 2,6,1...	10.76	11.4	ng	546118	4	11.33	960071	20.0
Dibenzothiophene	11.23	6.8	ng	325247	4	11.33	960071	20.0
5H-Dibenzo[a,d]cy...	11.83	11.8	ng	568459	4	11.33	960071	20.0
Anthracene, 2-met...	11.86	8.4	ng	402575	4	11.33	960071	20.0
Phenanthrene, 2-m...	11.91	11.3	ng	540909	4	11.33	960071	20.0
Naphthalene, 2-ph...	12.13	6.3	ng	302317	4	11.33	960071	20.0
Phenanthrene, 4,5...	12.28	7.5	ng	357530	4	11.33	960071	20.0
9,10-Dimethylanth...	12.39	14.1	ng	678719	4	11.33	960071	20.0
unknown12.43	12.43	11.6	ng	555781	4	11.33	960071	20.0
1,3-Diphenyl-3-me...	12.47	8.1	ng	387439	4	11.33	960071	20.0
11H-Benzo[b]fluorene	13.11	6.5	ng	1002990	5	13.99	3064910	20.0
Benzo[e]pyrene	15.33	31.5	ng	875384	6	15.45	555499	20.0
3,4-Dibromobenzal...	16.00	9.1	ng	252077	6	15.45	555499	20.0