LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104578.D
Acq On : 17 Apr 2018 22:49
Operator : JU/SJ
Sample : J2387-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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	5.045	491	503	505	rBV	2696198	5637354	100.00%	10.004%
2	5.416	562	566	576	rVB	951707	931327	16.52%	1.653%
3	6.439	735	740	752	rVB2	2158872	2266588	40.21%	4.022%
4	6.575	759	763	766	rVB	1631525	1495768	26.53%	2.654%
5	6.634	769	773	778	rBV3	77669	95336	1.69%	0.169%
6	6.804	798	802	808	rVB	1174626	925881	16.42%	1.643%
7	6.963	824	829	832	rBV	2035407	1962378	34.81%	3.482%
8	7.063	842	846	852	rBV2	85318	117102	2.08%	0.208%
9	7.216	862	872	880	rBV8	34703	105252	1.87%	0.187%
10	7.369	894	898	901	rVV	1873014	1660205	29.45%	2.946%
11	7.904	986	989	992	rVV	149263	124562	2.21%	0.221%
12	8.086	1017	1020	1023	rBV	1380808	1120719	19.88%	1.989%
13	8.363	1062	1067	1075	rBV6	61581	138711	2.46%	0.246%
14	8.504	1088	1091	1093	rBV	123387	101376	1.80%	0.180%
15	8.798	1139	1141	1144	rBV	111716	94495	1.68%	0.168%
16	8.898	1155	1158	1162	rVB	122645	111762	1.98%	0.198%
17	9.104	1190	1193	1196	rVB	169420	125925	2.23%	0.223%
18	9.163	1199	1203	1206	rBV	2734820	2240120	39.74%	3.975%
19	9.239	1213	1216	1219	rBV2	154810	179891	3.19%	0.319%
20	9.357	1234	1236	1243	rVB	114926	128883	2.29%	0.229%
21	9.427	1244	1248	1251	rVB2	107916	131742	2.34%	0.234%
22	9.498	1257	1260	1263	rVV	202955	204373	3.63%	0.363%
23	9.557	1266	1270	1277	rVV2	526339	676262	12.00%	1.200%
24	9.704	1292	1295	1298	rBV	789063	630647	11.19%	1.119%
25	9.751	1300	1303	1305	rVV	127182	112969	2.00%	0.200%
26	9.845	1313	1319	1322	rVB	1270527	1146892	20.34%	2.035%
27	9.874	1322	1324	1327	rBV	265513	209579	3.72%	0.372%
28	9.945	1333	1336	1340	rVB2	103495	124318	2.21%	0.221%
29	9.998	1341	1345	1348	rBV3	79089	118359	2.10%	0.210%
30	10.045	1348	1353	1357	rVB3	102272	150389	2.67%	0.267%
31	10.086	1357	1360	1368	rVB4	130866	192037	3.41%	0.341%
32	10.151	1368	1371	1374	rBV2	147637	184492	3.27%	0.327%
33	10.245	1384	1387	1389	rBV3	134596	161497	2.86%	0.287%
34	10.269	1389	1391	1393	rVB	180241	126288	2.24%	0.224%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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

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Peak separation: 5

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

35	10.298	1393	1396	1398	rBV	201969	172723	3.06%	0.307%
36	10.392	1409	1412	1418	rVB3	130821	203400	3.61%	0.361%
37	10.498	1424	1430	1434	rVB5	121977	236673	4.20%	0.420%
38	10.633	1450	1453	1457	rVB	420755	388057	6.88%	0.689%
39	10.757	1469	1474	1477	rBV2	334503	409294	7.26%	0.726%
40	10.939	1501	1505	1507	rBV2	159194	212881	3.78%	0.378%
41	11.021	1517	1519	1522	rVB2	126317	99048	1.76%	0.176%
42	11.092	1528	1531	1534	rVB	180938	154282	2.74%	0.274%
43	11.192	1546	1548	1551	rVV4	129394	171181	3.04%	0.304%
44	11.221	1551	1553	1559	rVB2	229791	263687	4.68%	0.468%
45	11.333	1568	1572	1574	rBV	1074616	948213	16.82%	1.683%
46	11.357	1574	1576	1579	rVV	769947	559521	9.93%	0.993%
47	11.410	1582	1585	1587	rVV	707717	570336	10.12%	1.012%
48	11.439	1587	1590	1593	rVV2	107685	123144	2.18%	0.219%
49	11.568	1609	1612	1616	rBV2	95620	136303	2.42%	0.242%
50	11.627	1620	1622	1624	rVV	139052	114048	2.02%	0.202%
51	11.663	1625	1628	1634	rVB	229655	218779	3.88%	0.388%
52	11.745	1639	1642	1646	rVB	129553	148627	2.64%	0.264%
53	11.833	1654	1657	1660	rBV	553427	498273	8.84%	0.884%
54	11.863	1660	1662	1665	rVB	295971	226912	4.03%	0.403%
55	11.910	1667	1670	1673	rBV	490305	450373	7.99%	0.799%
56	11.951	1673	1677	1679	rBV2	774018	910259	16.15%	1.615%
57	12.068	1694	1697	1699	rBV2	122516	88402	1.57%	0.157%
58	12.133	1705	1708	1710	rVB	314685	260838	4.63%	0.463%
59	12.263	1728	1730	1731	rBV	117647	89719	1.59%	0.159%
60	12.280	1731	1733	1736	rVB2	177073	138886	2.46%	0.246%
61	12.316	1736	1739	1741	rBV	160172	148749	2.64%	0.264%
62	12.386	1748	1751	1754	rBV	522921	578635	10.26%	1.027%
63	12.427	1754	1758	1760	rVV	340812	365192	6.48%	0.648%
64	12.474	1763	1766	1767	rBV	168217	156722	2.78%	0.278%
65	12.551	1776	1779	1782	rBV	1727846	1471653	26.11%	2.612%
66	12.592	1783	1786	1788	rVV2	268267	287408	5.10%	0.510%
67	12.645	1792	1795	1798	rVV	519678	517521	9.18%	0.918%
68	12.721	1802	1808	1812	rVV2	364803	541769	9.61%	0.961%
69	12.780	1813	1818	1824	rVV	1951594	2302009	40.83%	4.085%
70	12.833	1825	1827	1831	rVB2	196839	202145	3.59%	0.359%
71	12.921	1838	1842	1849	rVB	2068734	2015169	35.75%	3.576%

LSC Area Percent Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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

72	12.998	1851	1855	1861	rVV3	377835	579355	10.28%	1.028%
73	13.057	1862	1865	1867	rVV	270393	274701	4.87%	0.487%
74	13.086	1867	1870	1871	rVV2	407619	456506	8.10%	0.810%
75	13.110	1871	1874	1877	rVB	916610	893887	15.86%	1.586%
76	13.174	1882	1885	1888	rVV	703693	591916	10.50%	1.050%
77	13.215	1889	1892	1894	rVV2	576888	475455	8.43%	0.844%
78	13.286	1900	1904	1905	rBV4	255609	312577	5.54%	0.555%
79	13.304	1905	1907	1910	rVV	550822	576899	10.23%	1.024%
80	13.339	1910	1913	1920	rVB	520907	617746	10.96%	1.096%
81	13.510	1940	1942	1944	rBV2	132955	126720	2.25%	0.225%
82	13.592	1953	1956	1959	rBV	192827	296791	5.26%	0.527%
83	13.727	1977	1979	1982	rVB	218691	201125	3.57%	0.357%
84	13.757	1982	1984	1986	rVB	319772	227939	4.04%	0.404%
85	13.780	1986	1988	1990	rBV	163747	129302	2.29%	0.229%
86	13.810	1991	1993	2000	rVB4	224290	276331	4.90%	0.490%
87	13.974	2017	2021	2025	rBV2	1677961	2447744	43.42%	4.344%
88	14.009	2025	2027	2032	rVB	1490360	1275036	22.62%	2.263%
89	14.333	2080	2082	2084	rBV	153399	159221	2.82%	0.283%
90	14.368	2086	2088	2092	rVV	598431	660734	11.72%	1.173%
91	14.404	2092	2094	2097	rVB	349685	274209	4.86%	0.487%
92	14.498	2107	2110	2112	rBV	312999	302966	5.37%	0.538%
93	14.521	2112	2114	2118	rVB	419992	343613	6.10%	0.610%
94	15.027	2195	2200	2203	rBV	651740	1126103	19.98%	1.998%
95	15.127	2214	2217	2221	rVB	269523	296852	5.27%	0.527%
96	15.321	2247	2250	2256	rVB	543400	673366	11.94%	1.195%
97	15.386	2257	2261	2266	rVB	939022	1144463	20.30%	2.031%
98	15.445	2268	2271	2274	rBV	426588	517564	9.18%	0.918%
99	16.898	2513	2518	2527	rVB2	258722	520193	9.23%	0.923%
100	17.339	2588	2593	2602	rVB	224041	458923	8.14%	0.814%

Sum of corrected areas: 56352547

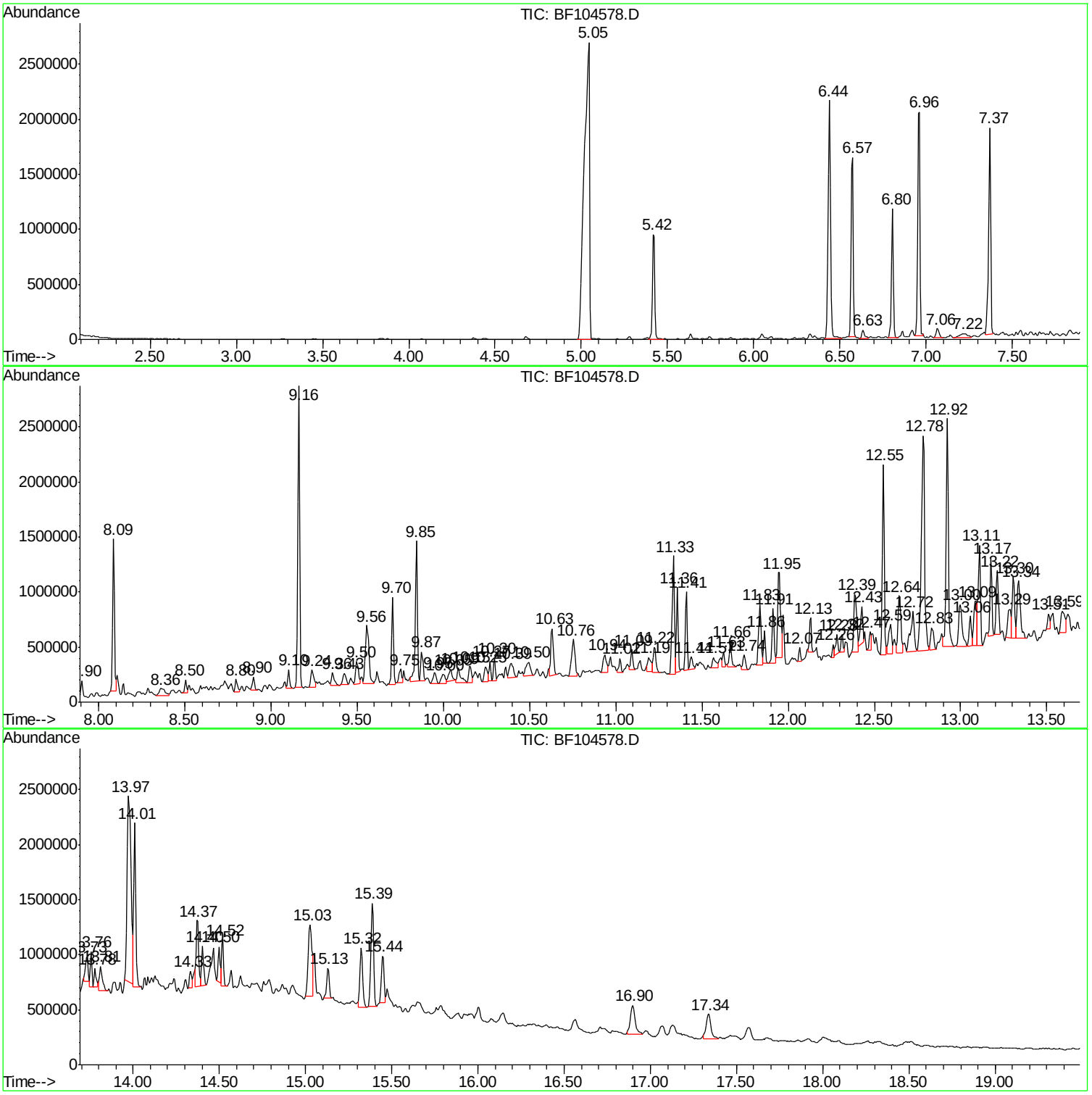
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104578.D
Acq On : 17 Apr 2018 22:49
Operator : JU/SJ
Sample : J2387-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

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 : BF104578.D
Acq On : 17 Apr 2018 22:49
Operator : JU/SJ
Sample : J2387-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

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

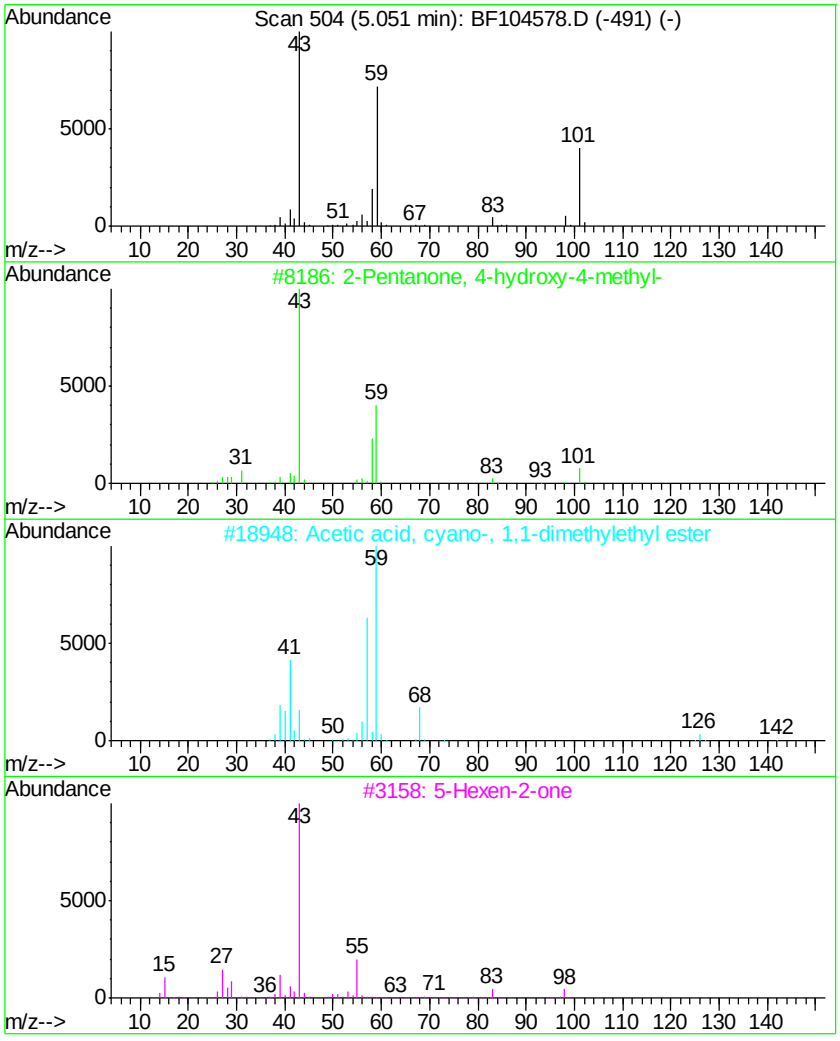
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

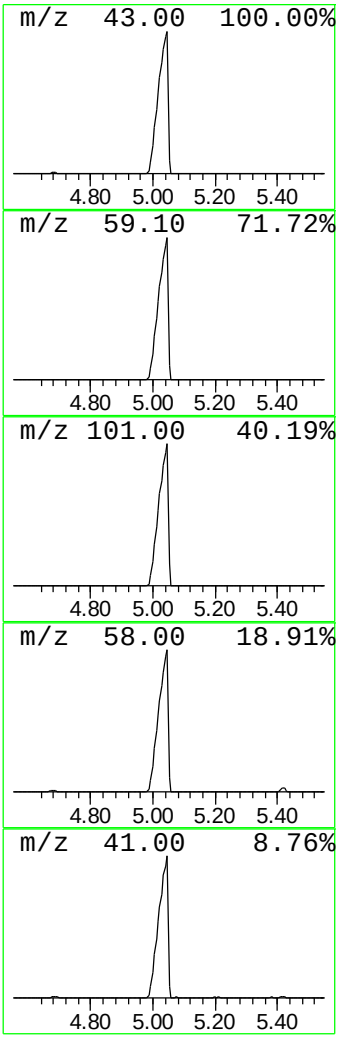
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	121.77 ng	5637350	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	25
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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Sample : J2387-09
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BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

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

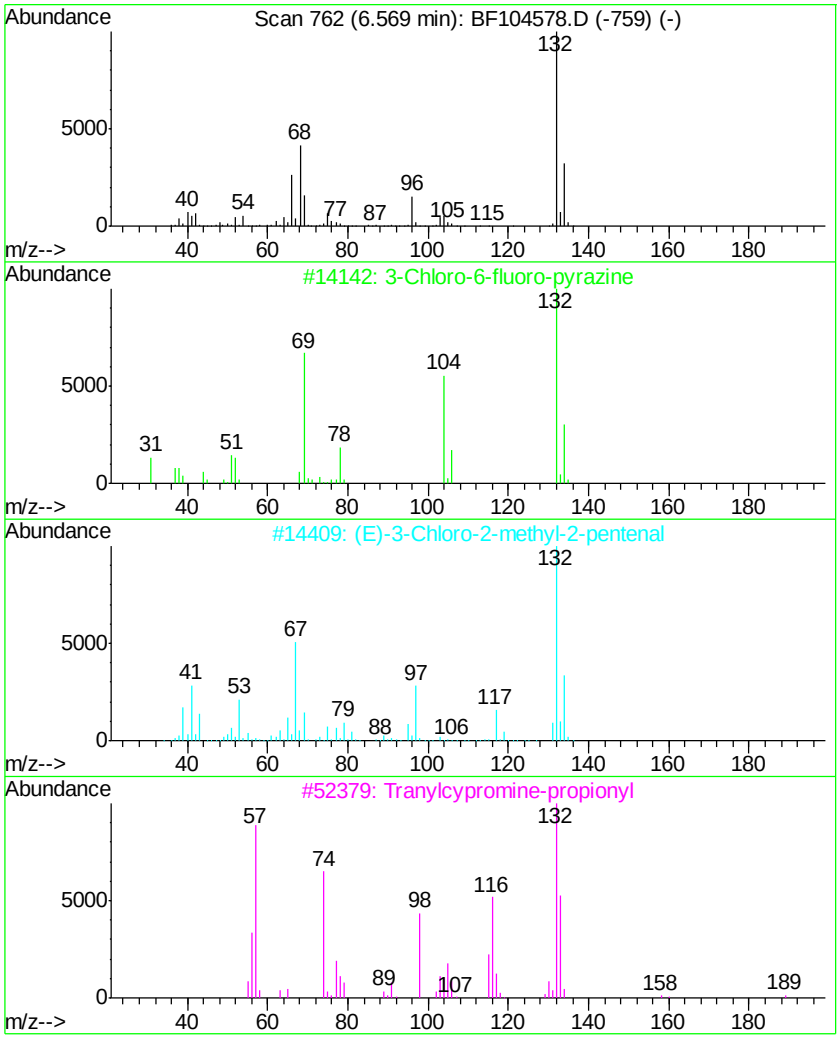
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

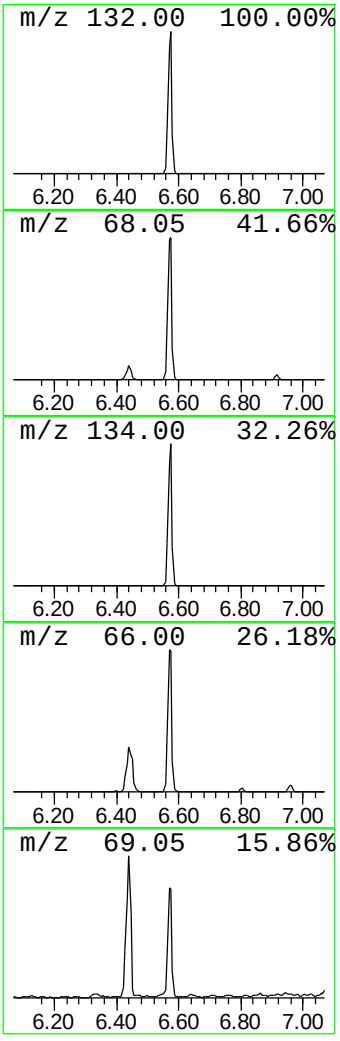
****

Peak Number 2 unknown6.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	32.31 ng	1495770	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	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
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\BF041718\
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Operator : JU/SJ
Sample : J2387-09
Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
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TIC Library : C:\DATABASE\NIST11.L
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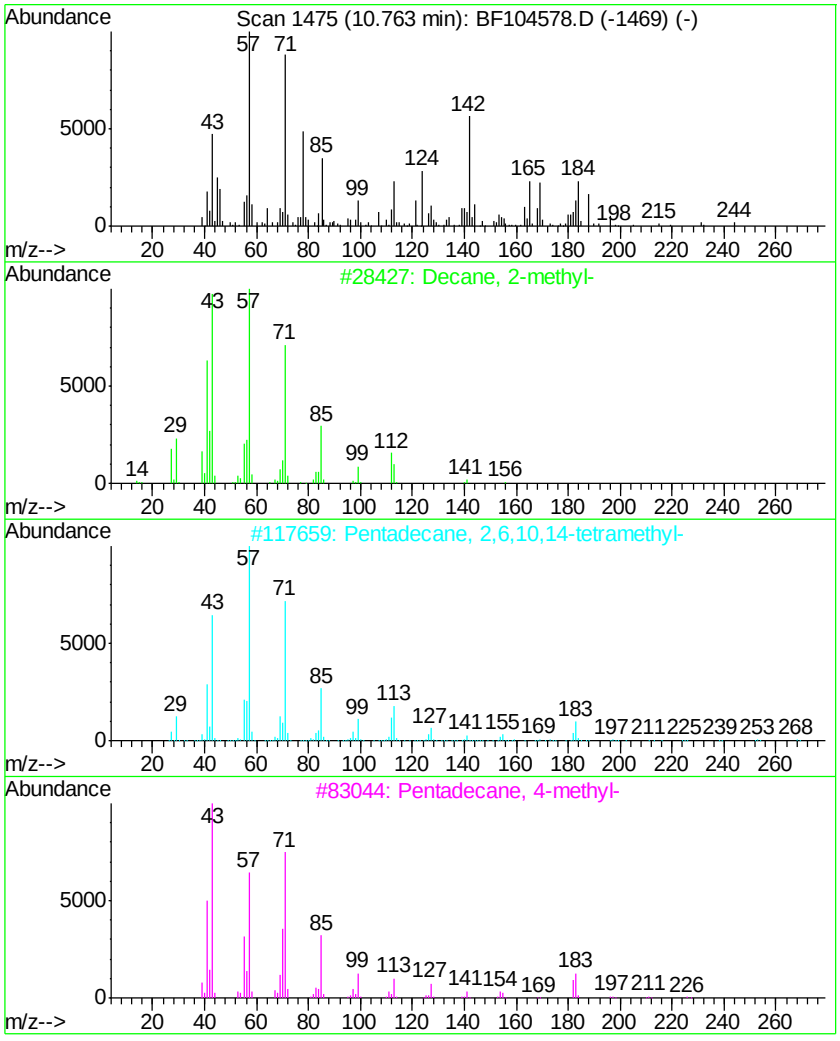
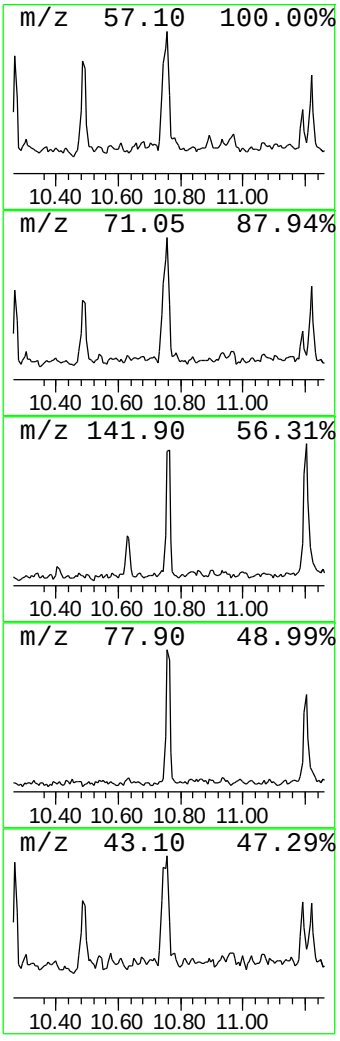
Peak Number 4 unknown10.76 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	8.63 ng	409294	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	46
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	46
3	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	43
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	43
5	2,6-Dimethyldecane	170	C12H26	013150-81-7	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104578.D
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Operator : JU/SJ
Sample : J2387-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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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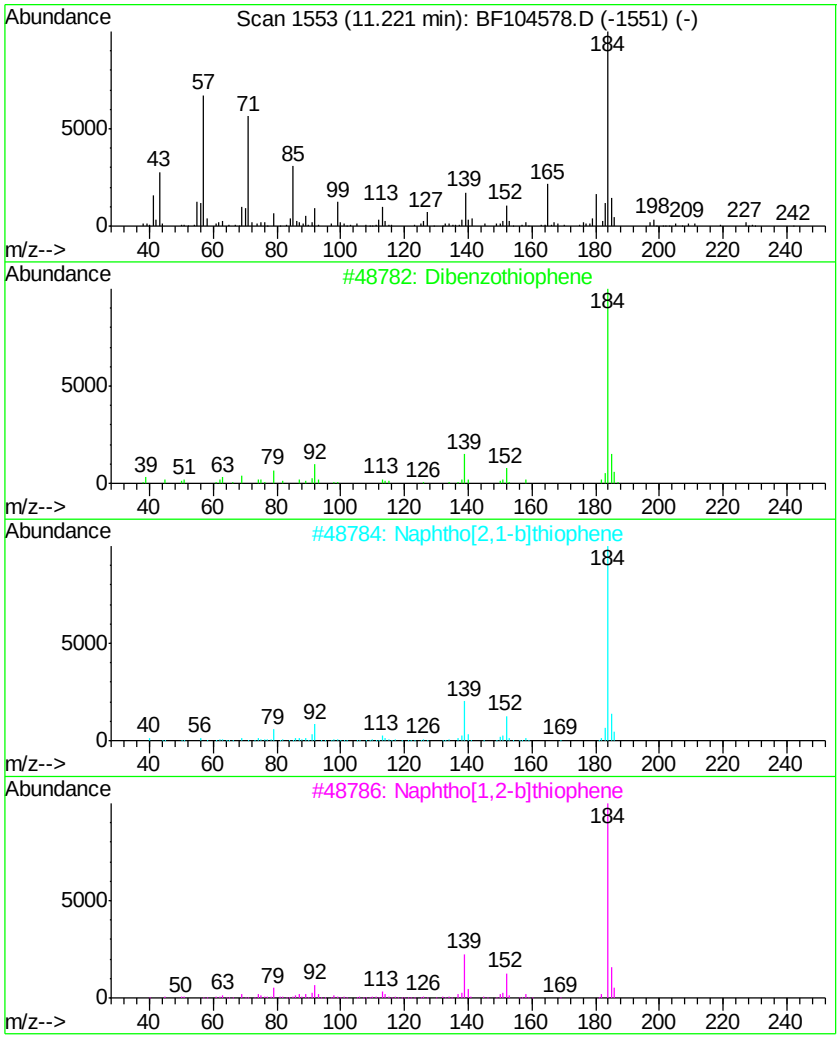
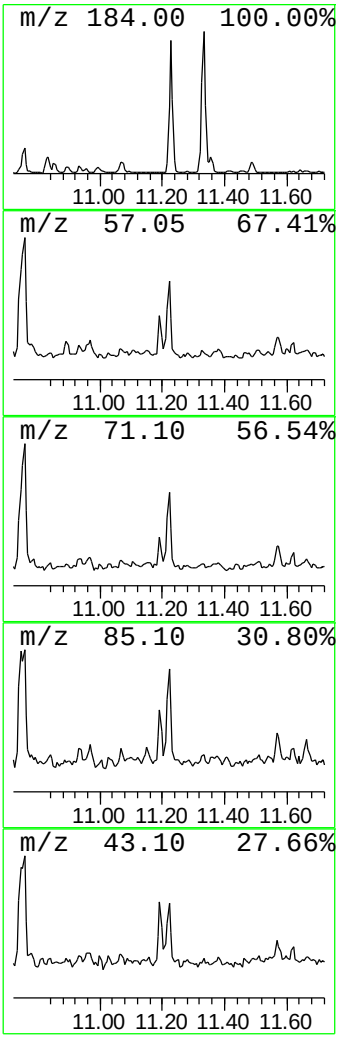
Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	5.56 ng	263687	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	89
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	64
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	64
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	50
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104578.D
Acq On : 17 Apr 2018 22:49
Operator : JU/SJ
Sample : J2387-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180246-AMEND-COMP-C

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

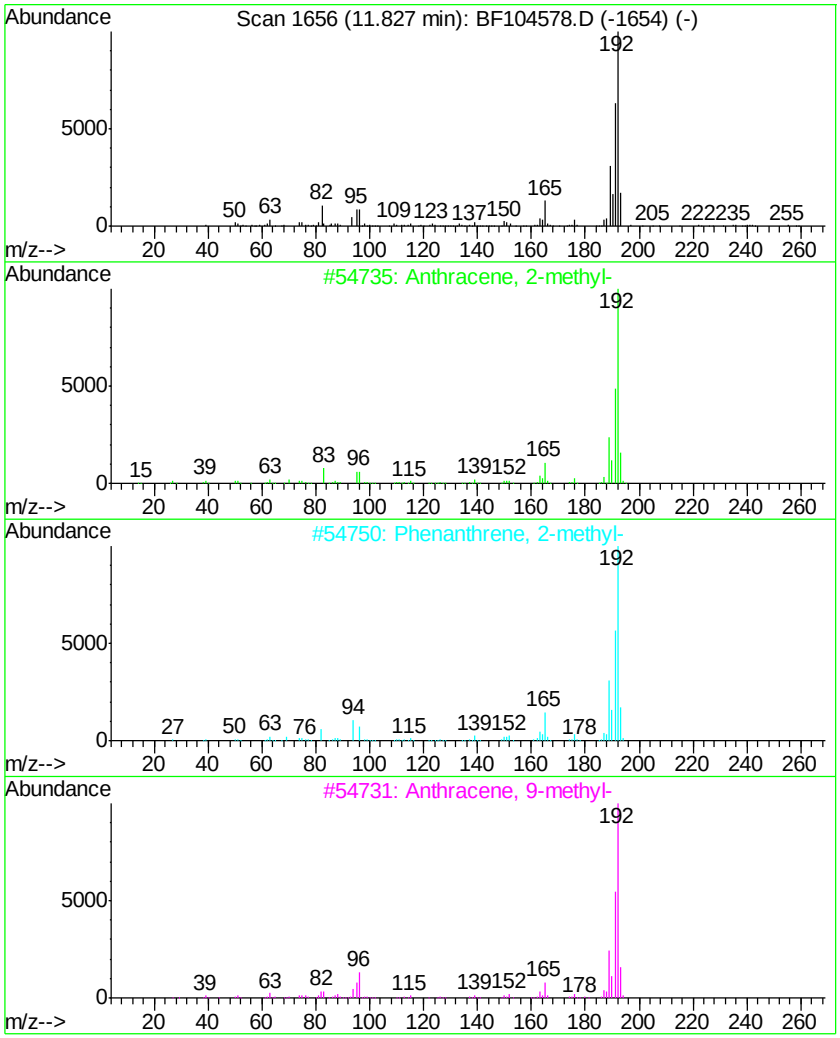
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

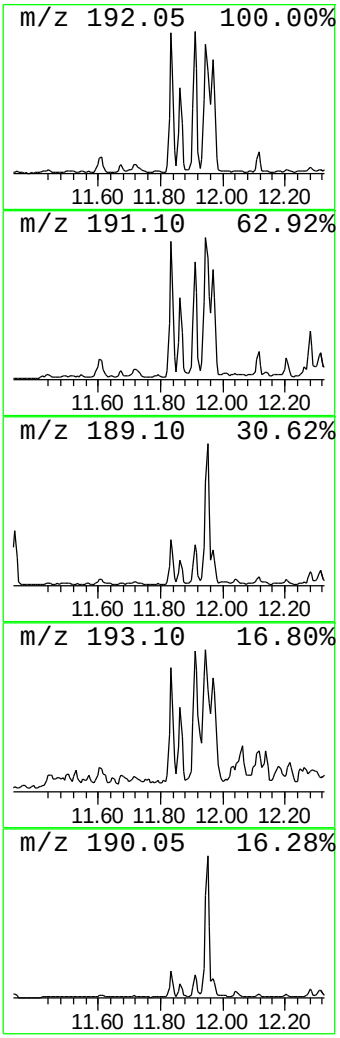
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	10.51 ng	498273	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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Acq On : 17 Apr 2018 22:49
Operator : JU/SJ
Sample : J2387-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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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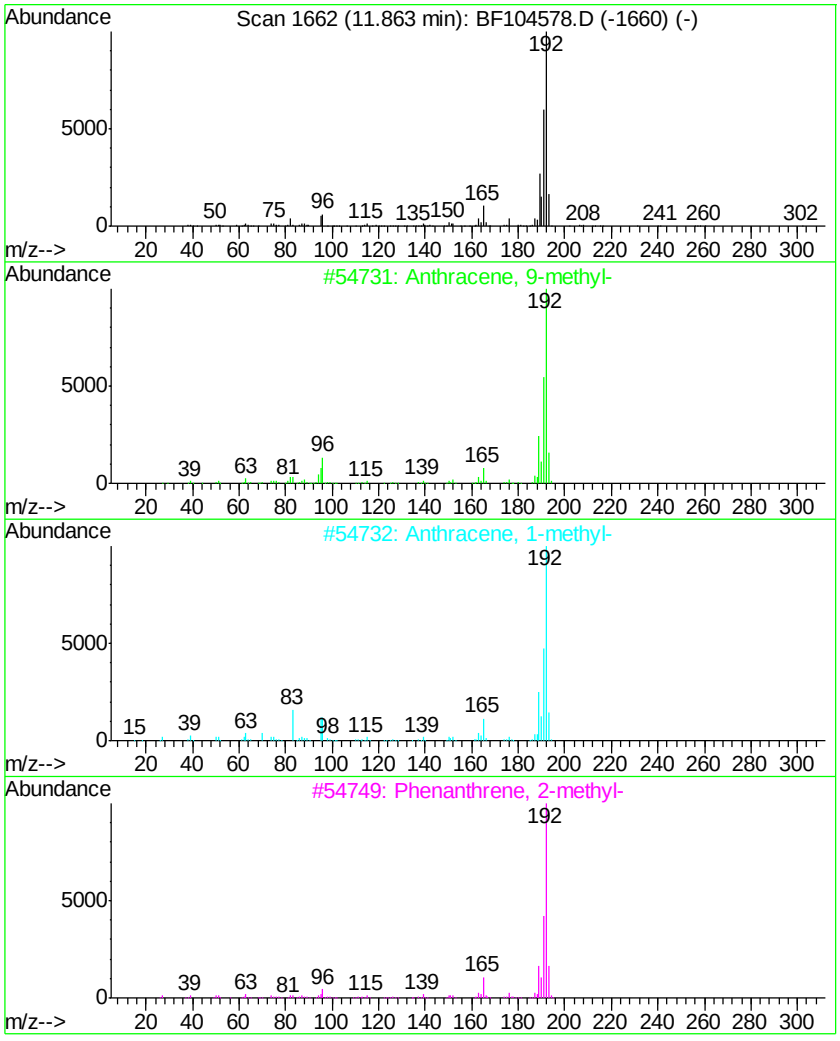
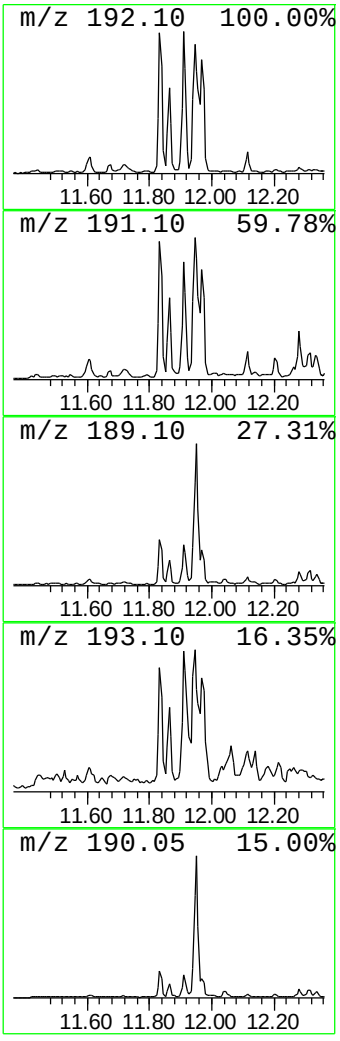
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.79 ng	226912	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91





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Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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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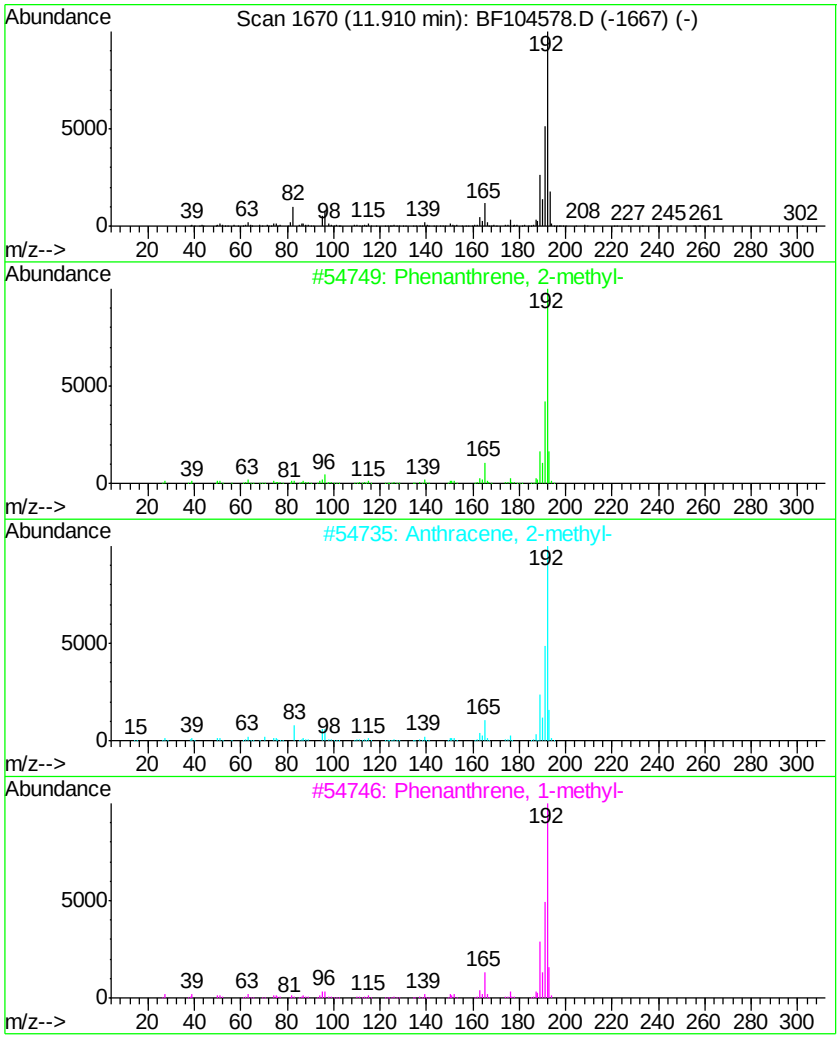
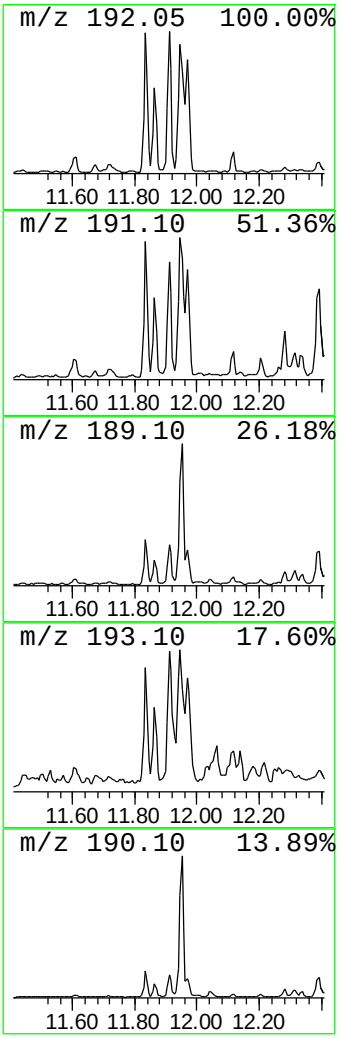
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	9.50 ng	450373	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	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Sample : J2387-09
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Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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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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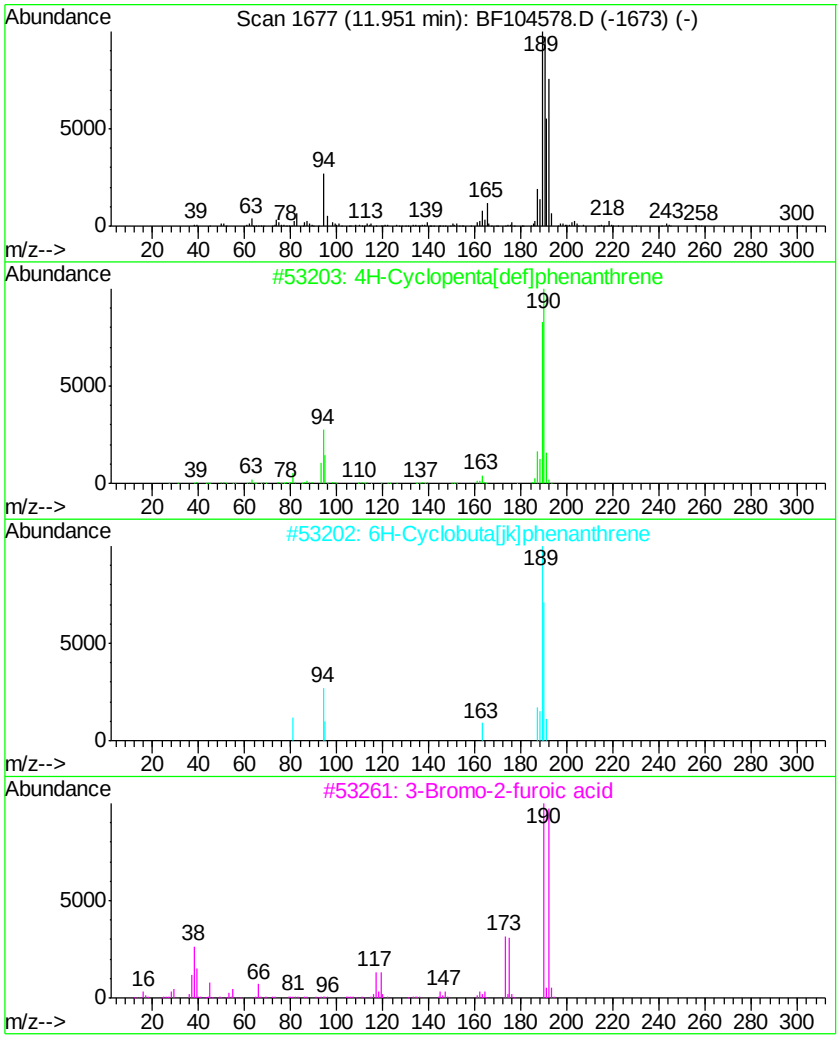
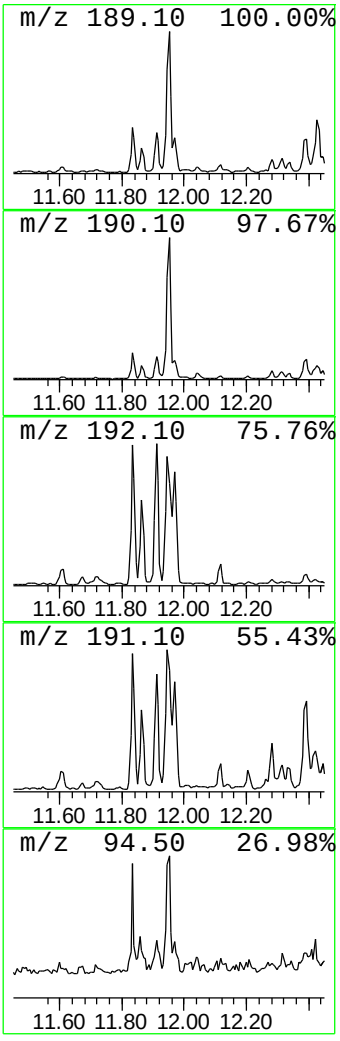
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	19.20 ng	910259	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	38
3	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	27





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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TIC Library : C:\DATABASE\NIST11.L
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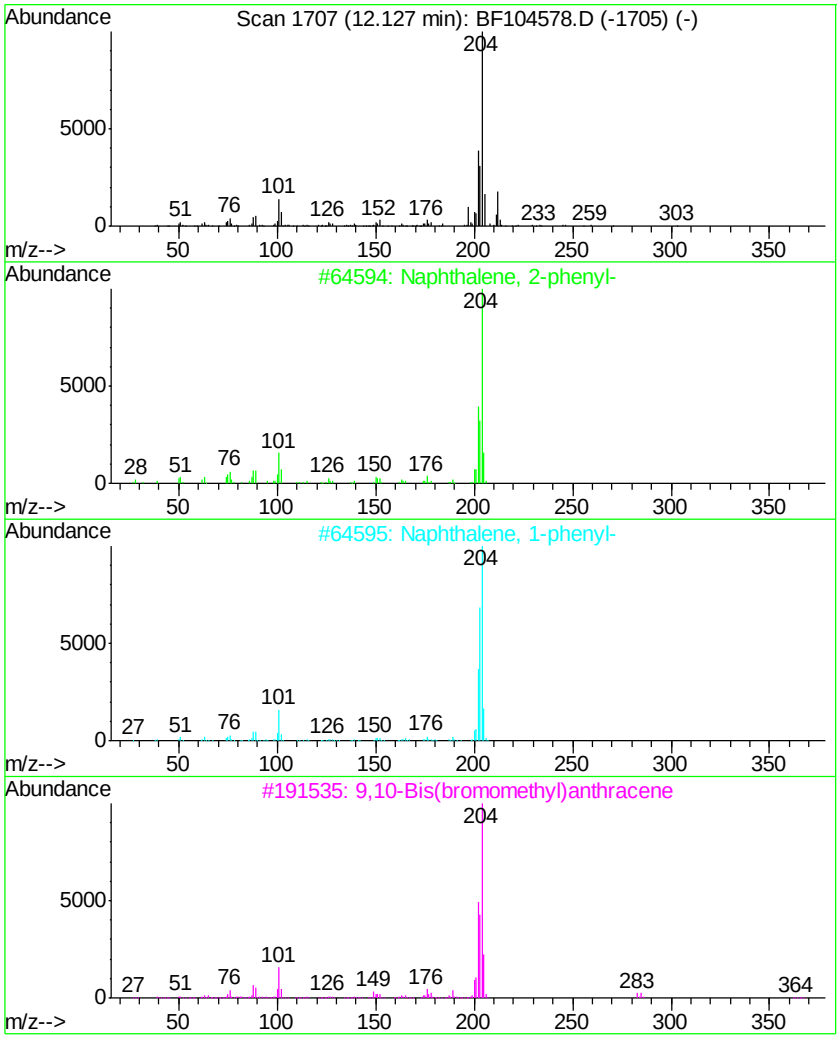
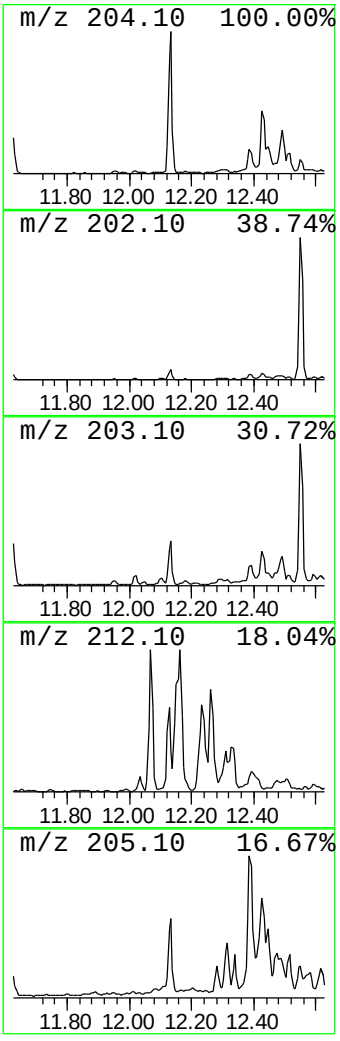
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.50 ng	260838	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
4	Levamisole	204	C11H12N2S	014769-73-4	49
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





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ALS Vial : 19 Sample Multiplier: 1

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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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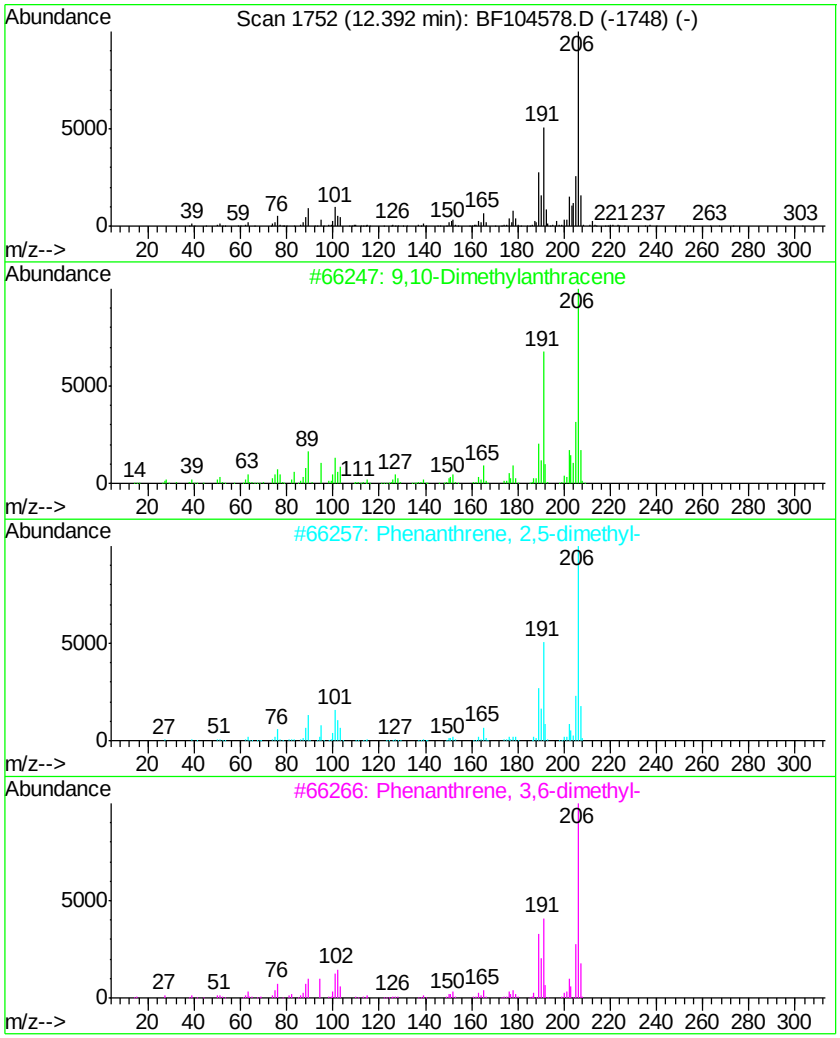
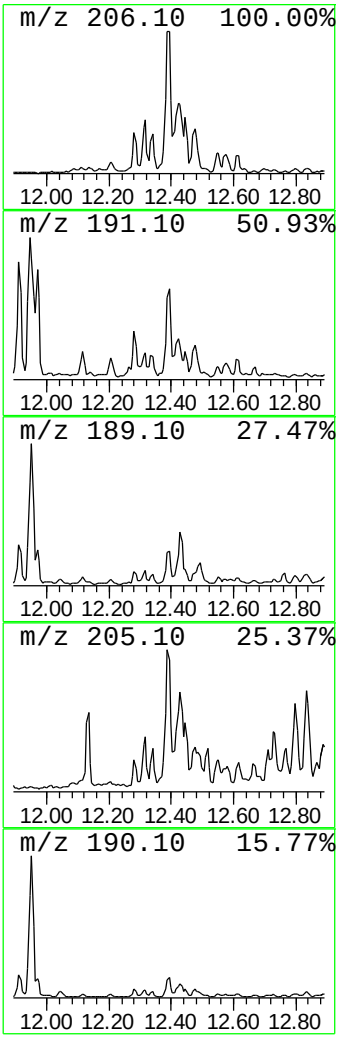
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	12.20 ng	578635	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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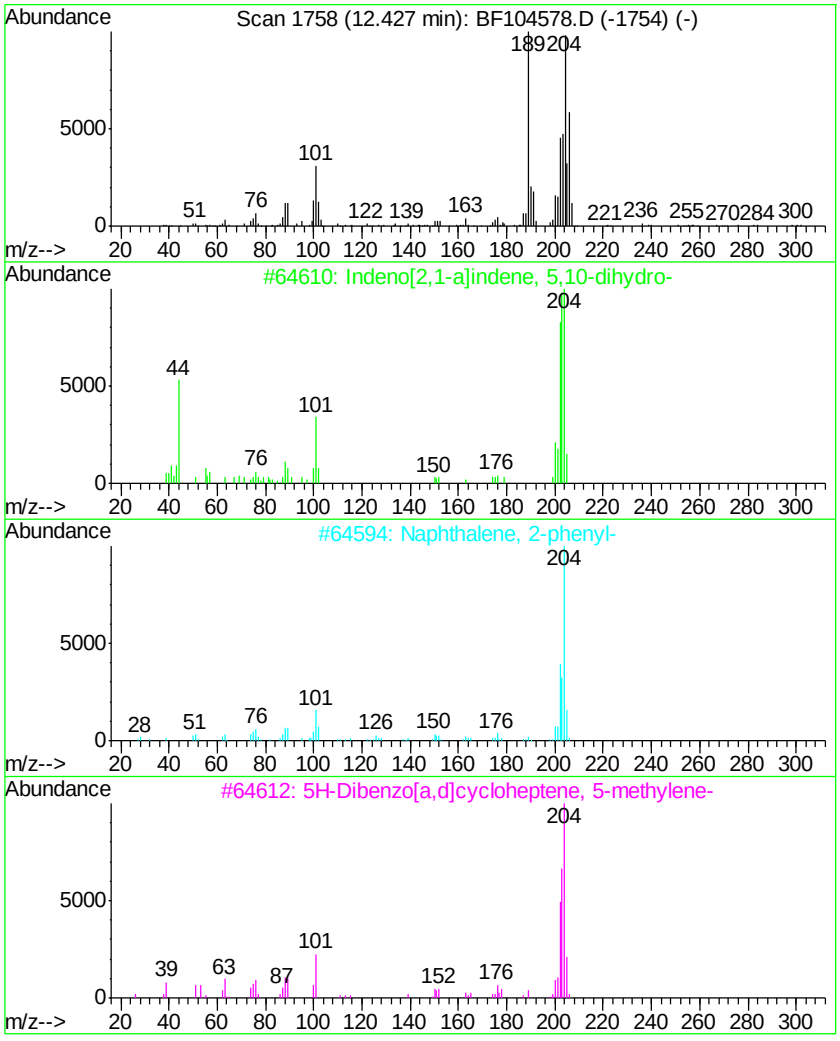
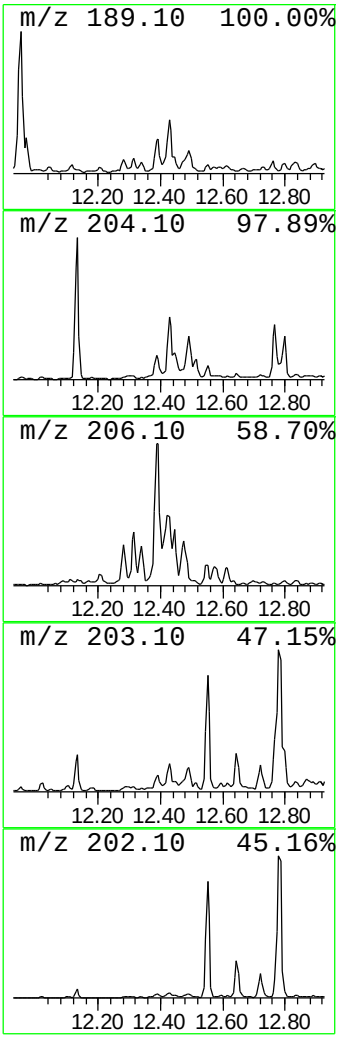
Peak Number 12 unknown12.43 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	7.70 ng	365192	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	44
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	41
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	41
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38





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Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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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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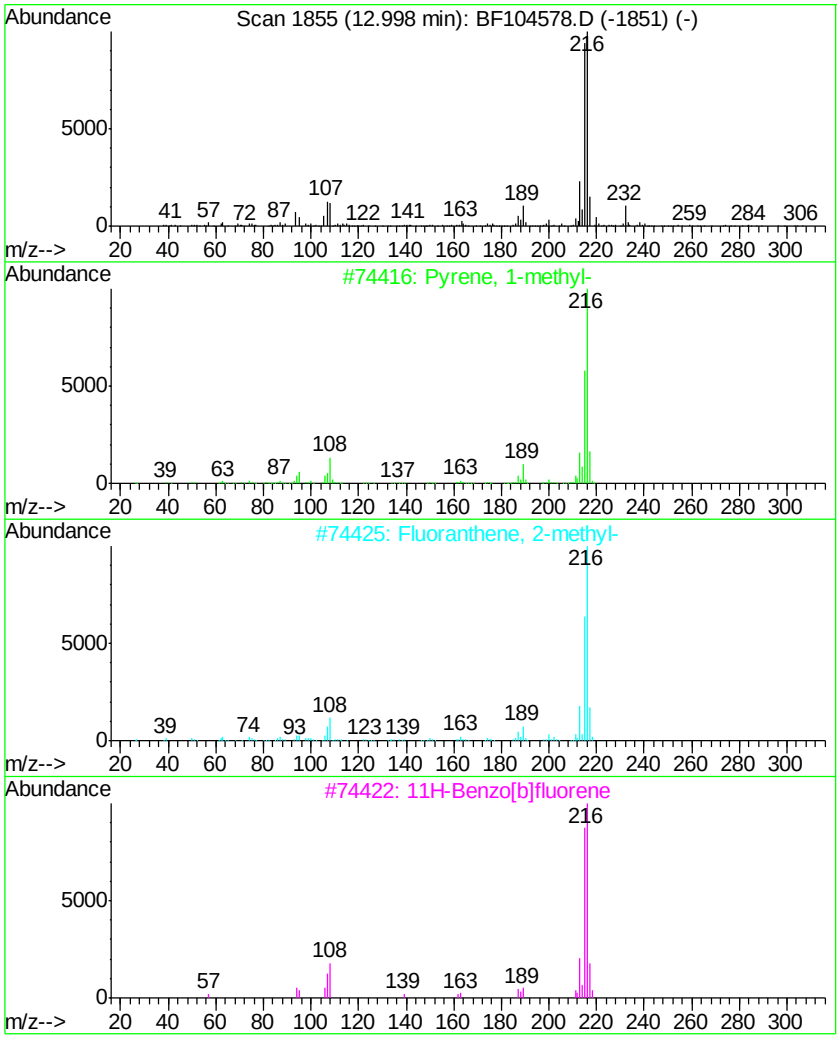
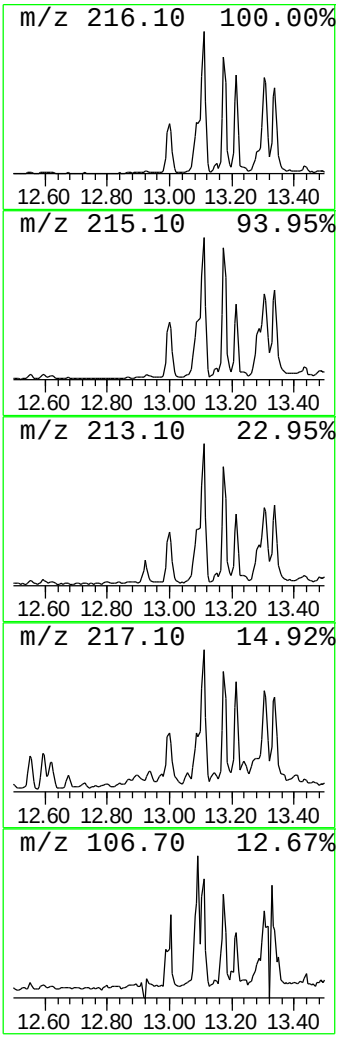
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.73 ng	579355	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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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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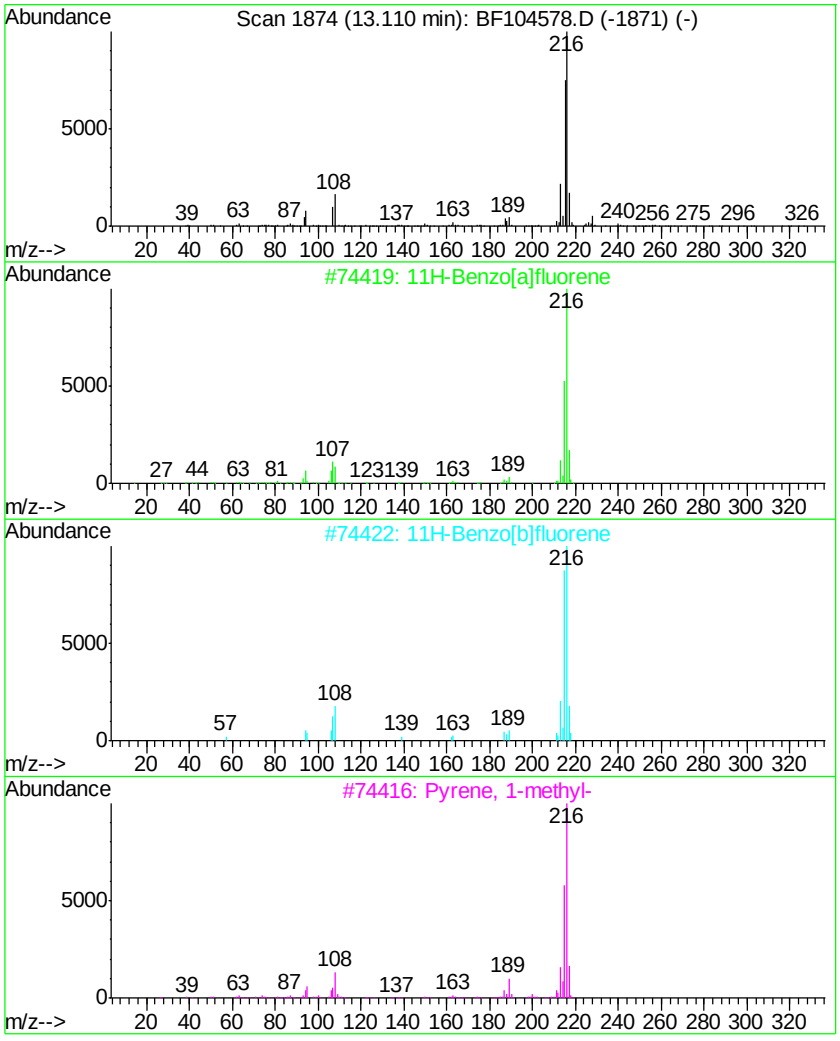
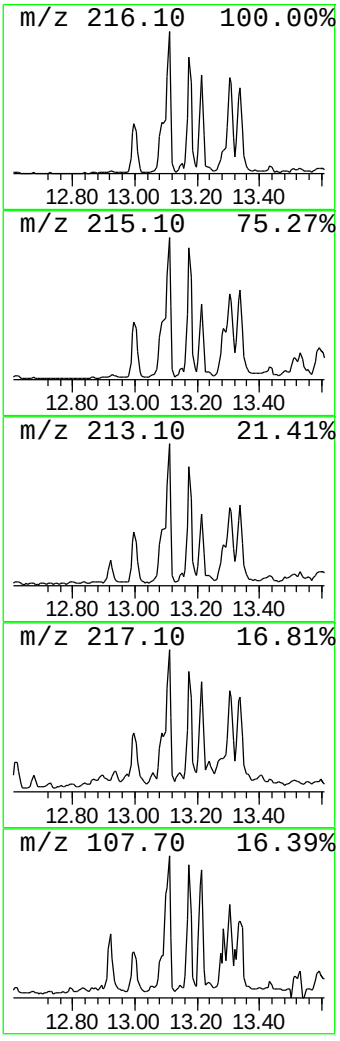
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	7.30 ng	893887	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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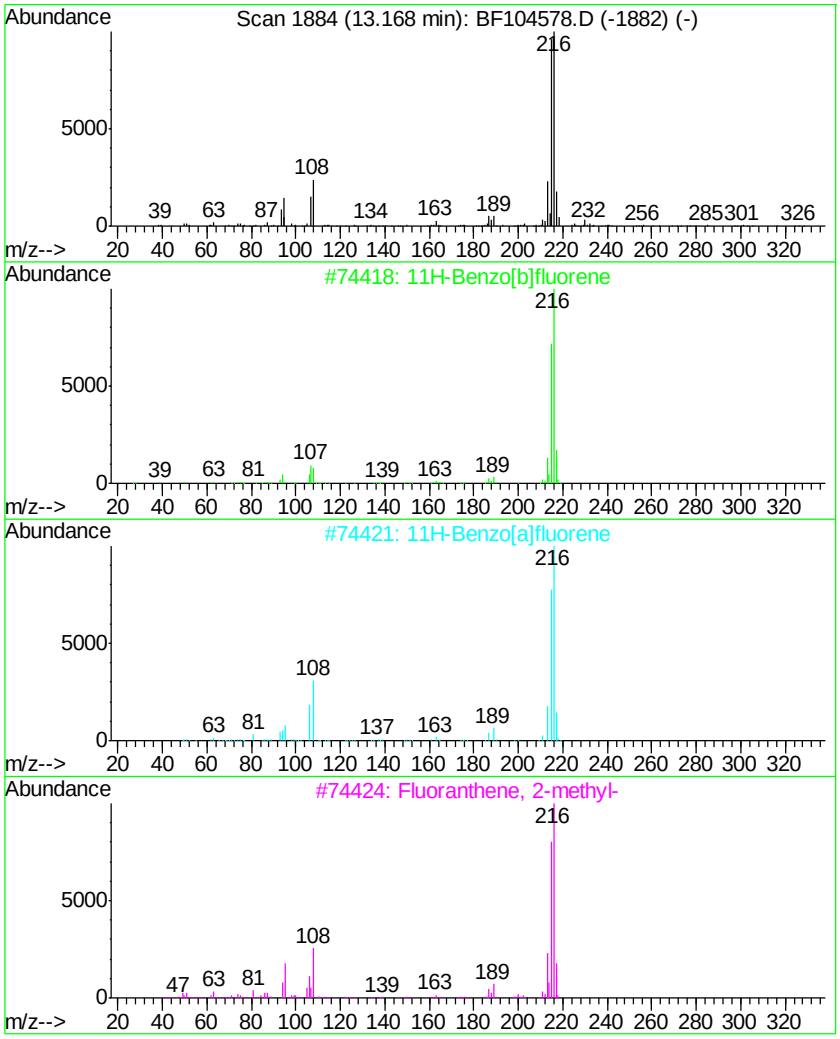
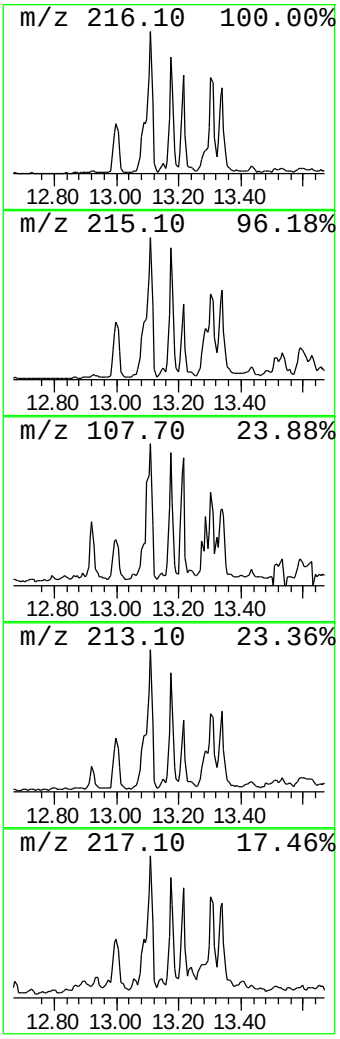
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.84 ng	591916	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	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Sample : J2387-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180246-AMEND-COMP-C

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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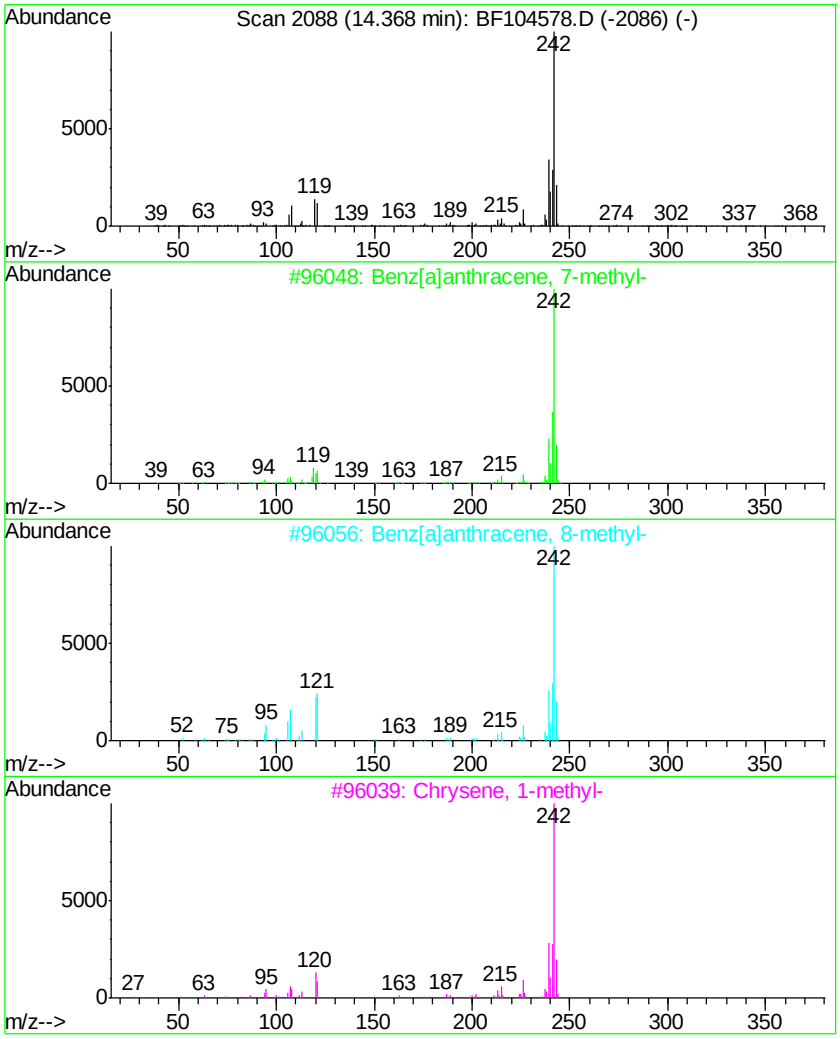
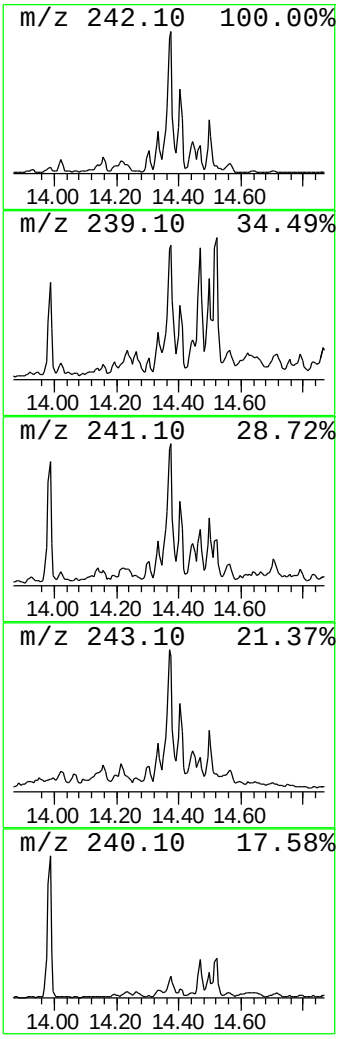
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	5.40 ng	660734	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86





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Instrument : BNA_F
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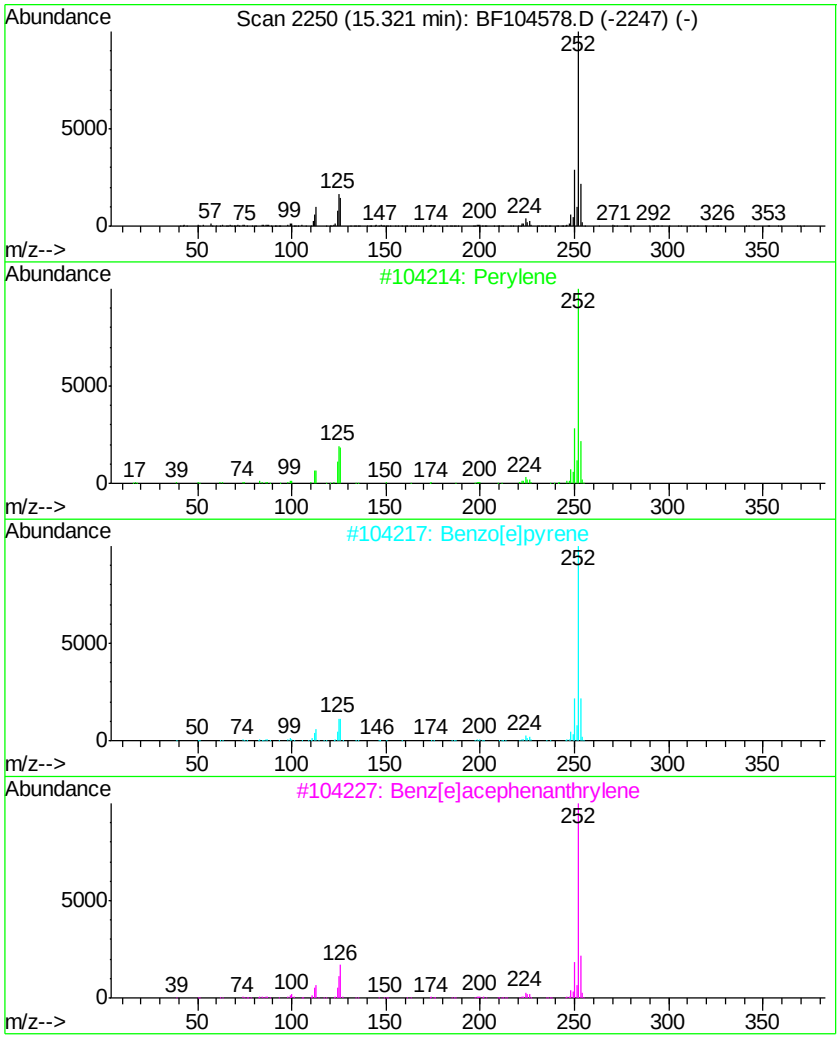
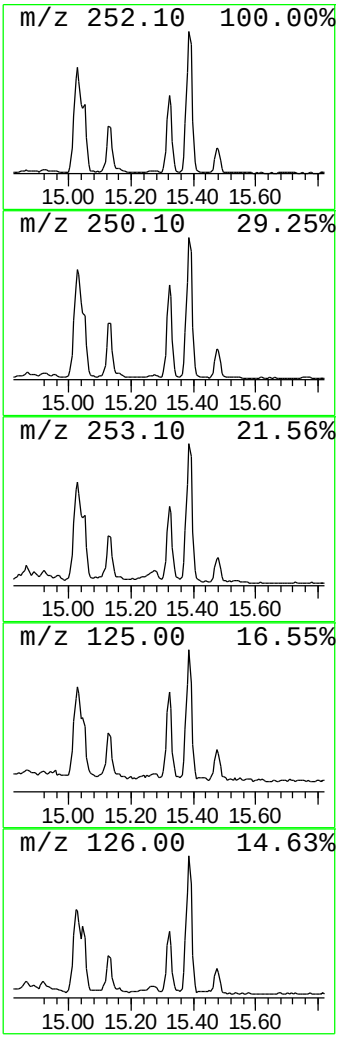
Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	26.02 ng	673366	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

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Data File : BF104578.D
Acq On : 17 Apr 2018 22:49
Operator : JU/SJ
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Misc :
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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.05	121.8	ng	5637350	1	6.80	925881	20.0
unknown6.57	6.57	32.3	ng	1495770	1	6.80	925881	20.0
unknown10.76	10.76	8.6	ng	409294	4	11.33	948213	20.0
Dibenzothiophene	11.22	5.6	ng	263687	4	11.33	948213	20.0
Anthracene, 2-met...	11.83	10.5	ng	498273	4	11.33	948213	20.0
Anthracene, 9-met...	11.86	4.8	ng	226912	4	11.33	948213	20.0
Phenanthrene, 2-m...	11.91	9.5	ng	450373	4	11.33	948213	20.0
4H-Cyclopenta[def...	11.95	19.2	ng	910259	4	11.33	948213	20.0
Naphthalene, 2-ph...	12.13	5.5	ng	260838	4	11.33	948213	20.0
9,10-Dimethylanth...	12.39	12.2	ng	578635	4	11.33	948213	20.0
unknown12.43	12.43	7.7	ng	365192	4	11.33	948213	20.0
Pyrene, 1-methyl-	13.00	4.7	ng	579355	5	13.99	2447740	20.0
11H-Benzo[a]fluorene	13.11	7.3	ng	893887	5	13.99	2447740	20.0
11H-Benzo[b]fluorene	13.17	4.8	ng	591916	5	13.99	2447740	20.0
Benz[a]anthracene...	14.37	5.4	ng	660734	5	13.99	2447740	20.0
Perylene	15.32	26.0	ng	673366	6	15.45	517564	20.0