LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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	5.022	491	499	502	rBV	1595146	2268366	83.25%	4.273%
2	5.416	562	566	570	rBV	1250265	1166476	42.81%	2.197%
3	6.439	735	740	746	rBV	2216858	2434373	89.34%	4.586%
4	6.575	759	763	766	rBV	2186009	1870199	68.63%	3.523%
5	6.804	798	802	808	rVB	1121180	888159	32.59%	1.673%
6	6.963	824	829	832	rBV	2063809	1950622	71.59%	3.674%
7	7.063	842	846	852	rBV2	62531	88832	3.26%	0.167%
8	7.369	894	898	901	rVV	1862955	1686360	61.89%	3.177%
9	7.904	986	989	995	rVB	125185	115978	4.26%	0.218%
10	8.086	1017	1020	1023	rVV	1307400	1113156	40.85%	2.097%
11	8.228	1041	1044	1051	rBV	68640	136401	5.01%	0.257%
12	8.504	1088	1091	1093	rBV	105476	87881	3.23%	0.166%
13	8.898	1155	1158	1162	rVB	141022	125556	4.61%	0.237%
14	9.104	1190	1193	1196	rVB	154846	113471	4.16%	0.214%
15	9.163	1199	1203	1206	rBV	2723825	2216779	81.35%	4.176%
16	9.239	1213	1216	1219	rBV2	133997	160615	5.89%	0.303%
17	9.357	1233	1236	1242	rVB	131585	157902	5.79%	0.297%
18	9.428	1244	1248	1251	rVB	193447	234628	8.61%	0.442%
19	9.498	1257	1260	1263	rVV	290893	292066	10.72%	0.550%
20	9.557	1266	1270	1277	rVB2	507252	586739	21.53%	1.105%
21	9.616	1277	1280	1282	rBV	153884	116862	4.29%	0.220%
22	9.704	1292	1295	1298	rBV	672159	539591	19.80%	1.016%
23	9.845	1313	1319	1322	rVV	1189326	1111372	40.79%	2.093%
24	9.875	1322	1324	1327	rVV2	264268	207662	7.62%	0.391%
25	9.945	1333	1336	1341	rBV2	120613	148494	5.45%	0.280%
26	9.998	1341	1345	1347	rBV2	90996	114235	4.19%	0.215%
27	10.045	1348	1353	1357	rVV3	143189	205645	7.55%	0.387%
28	10.086	1357	1360	1364	rVV3	164140	172104	6.32%	0.324%
29	10.157	1368	1372	1374	rBV2	165602	187426	6.88%	0.353%
30	10.186	1375	1377	1379	rVV	120004	91525	3.36%	0.172%
31	10.245	1384	1387	1389	rBV3	161729	191096	7.01%	0.360%
32	10.269	1389	1391	1393	rVB	183456	126714	4.65%	0.239%
33	10.298	1393	1396	1398	rBV	194381	163360	6.00%	0.308%
34	10.363	1405	1407	1409	rVV2	116189	92833	3.41%	0.175%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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	10.392	1409	1412	1418	rVB3	130014	204035	7.49%	0.384%
36	10.492	1424	1429	1434	rVV4	126197	267147	9.80%	0.503%
37	10.545	1435	1438	1441	rVB3	81700	91479	3.36%	0.172%
38	10.633	1450	1453	1457	rVB	445654	410287	15.06%	0.773%
39	10.757	1469	1474	1480	rVB2	343373	455813	16.73%	0.859%
40	10.939	1501	1505	1508	rBV2	187990	268528	9.85%	0.506%
41	10.969	1508	1510	1512	rVB	140831	106311	3.90%	0.200%
42	11.022	1517	1519	1522	rVB2	144205	114150	4.19%	0.215%
43	11.092	1528	1531	1534	rVB	171445	151295	5.55%	0.285%
44	11.139	1537	1539	1542	rVV2	108558	86918	3.19%	0.164%
45	11.198	1546	1549	1551	rVV4	128941	171293	6.29%	0.323%
46	11.227	1551	1554	1558	rVB2	260443	287233	10.54%	0.541%
47	11.333	1568	1572	1574	rBV	1074301	950437	34.88%	1.790%
48	11.357	1574	1576	1579	rVV	1124096	854801	31.37%	1.610%
49	11.410	1582	1585	1587	rVV	779956	610032	22.39%	1.149%
50	11.439	1587	1590	1593	rVV2	110379	129006	4.73%	0.243%
51	11.569	1609	1612	1616	rBV6	89108	133541	4.90%	0.252%
52	11.627	1620	1622	1624	rVV	122719	101341	3.72%	0.191%
53	11.663	1625	1628	1633	rVB	214170	197434	7.25%	0.372%
54	11.745	1639	1642	1646	rVB	129757	145731	5.35%	0.275%
55	11.833	1654	1657	1660	rBV	554257	515704	18.93%	0.971%
56	11.863	1660	1662	1665	rVB	439846	330317	12.12%	0.622%
57	11.910	1667	1670	1673	rBV	474901	414516	15.21%	0.781%
58	11.945	1673	1676	1679	rBV2	807545	938530	34.44%	1.768%
59	12.133	1705	1708	1710	rVB	288685	242412	8.90%	0.457%
60	12.280	1731	1733	1736	rVV2	174182	152030	5.58%	0.286%
61	12.316	1736	1739	1740	rVV	167397	148416	5.45%	0.280%
62	12.333	1740	1742	1745	rVB2	143585	137870	5.06%	0.260%
63	12.386	1748	1751	1754	rBV	525902	538272	19.75%	1.014%
64	12.427	1754	1758	1760	rVV2	361738	416365	15.28%	0.784%
65	12.474	1763	1766	1770	rBV2	175075	297817	10.93%	0.561%
66	12.551	1775	1779	1782	rBV	1664587	1420110	52.12%	2.675%
67	12.592	1783	1786	1788	rVV2	235846	242230	8.89%	0.456%
68	12.645	1792	1795	1798	rVV	517009	465106	17.07%	0.876%
69	12.721	1802	1808	1812	rVV2	326808	481603	17.67%	0.907%
70	12.780	1813	1818	1824	rVV	1805331	2114555	77.60%	3.983%
71	12.833	1825	1827	1831	rVB2	165559	172251	6.32%	0.324%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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	12.921	1838	1842	1849	rVB	2030753	1927355	70.73%	3.631%
73	12.998	1851	1855	1862	rVV3	354510	519475	19.06%	0.979%
74	13.057	1862	1865	1867	rVV	178670	191807	7.04%	0.361%
75	13.086	1867	1870	1871	rVV2	348109	397111	14.57%	0.748%
76	13.110	1871	1874	1877	rVB2	746834	741018	27.19%	1.396%
77	13.174	1882	1885	1889	rVV	628570	502251	18.43%	0.946%
78	13.216	1889	1892	1894	rVV	479627	414282	15.20%	0.780%
79	13.280	1900	1903	1905	rBV	317939	377926	13.87%	0.712%
80	13.304	1905	1907	1910	rVV	491342	542274	19.90%	1.021%
81	13.339	1910	1913	1920	rVB	464288	539912	19.81%	1.017%
82	13.592	1953	1956	1959	rBV	162941	248956	9.14%	0.469%
83	13.727	1977	1979	1982	rVB	210002	176645	6.48%	0.333%
84	13.757	1982	1984	1986	rVV	252102	174564	6.41%	0.329%
85	13.780	1986	1988	1990	rVV	143363	112777	4.14%	0.212%
86	13.810	1991	1993	2000	rVB4	424728	445677	16.36%	0.840%
87	13.974	2015	2021	2025	rBV3	1675932	2724899	100.00%	5.133%
88	14.010	2025	2027	2032	rVB	1321896	1104559	40.54%	2.081%
89	14.333	2080	2082	2084	rBV	142699	147200	5.40%	0.277%
90	14.368	2086	2088	2092	rVV	536877	590548	21.67%	1.112%
91	14.404	2092	2094	2097	rVB	323527	243242	8.93%	0.458%
92	14.498	2107	2110	2112	rBV	285291	285245	10.47%	0.537%
93	14.521	2112	2114	2117	rVB	353215	299274	10.98%	0.564%
94	15.021	2195	2199	2203	rBV	586269	1058903	38.86%	1.995%
95	15.127	2215	2217	2221	rVB	255146	257049	9.43%	0.484%
96	15.321	2247	2250	2256	rVB	492931	617277	22.65%	1.163%
97	15.386	2257	2261	2266	rBV	875346	1061527	38.96%	2.000%
98	15.445	2267	2271	2275	rBV	501857	681341	25.00%	1.283%
99	16.892	2513	2517	2522	rBV2	223696	401559	14.74%	0.756%
100	17.333	2588	2592	2600	rVB	193164	374471	13.74%	0.705%

Sum of corrected areas: 53087518

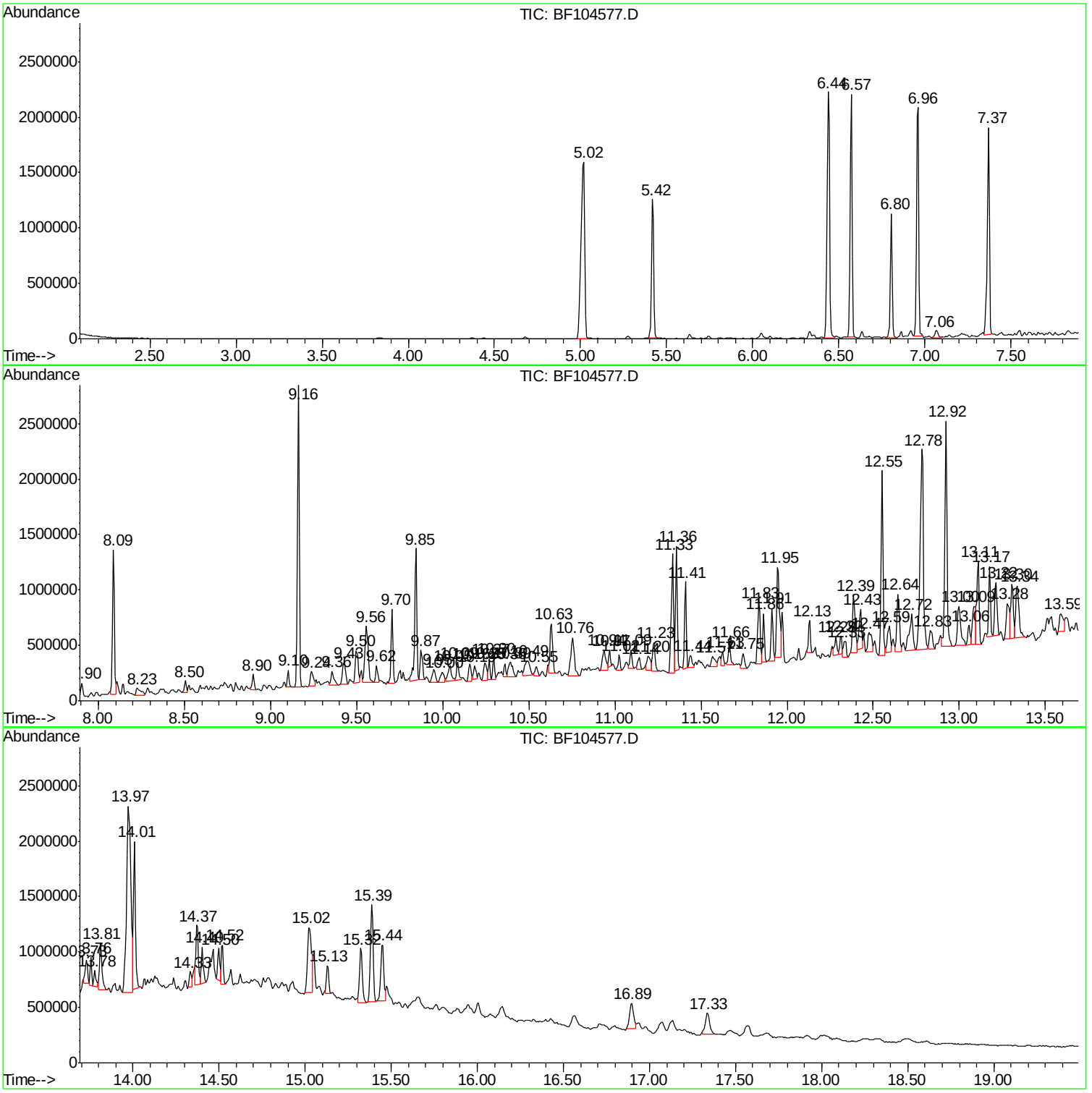
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

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\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

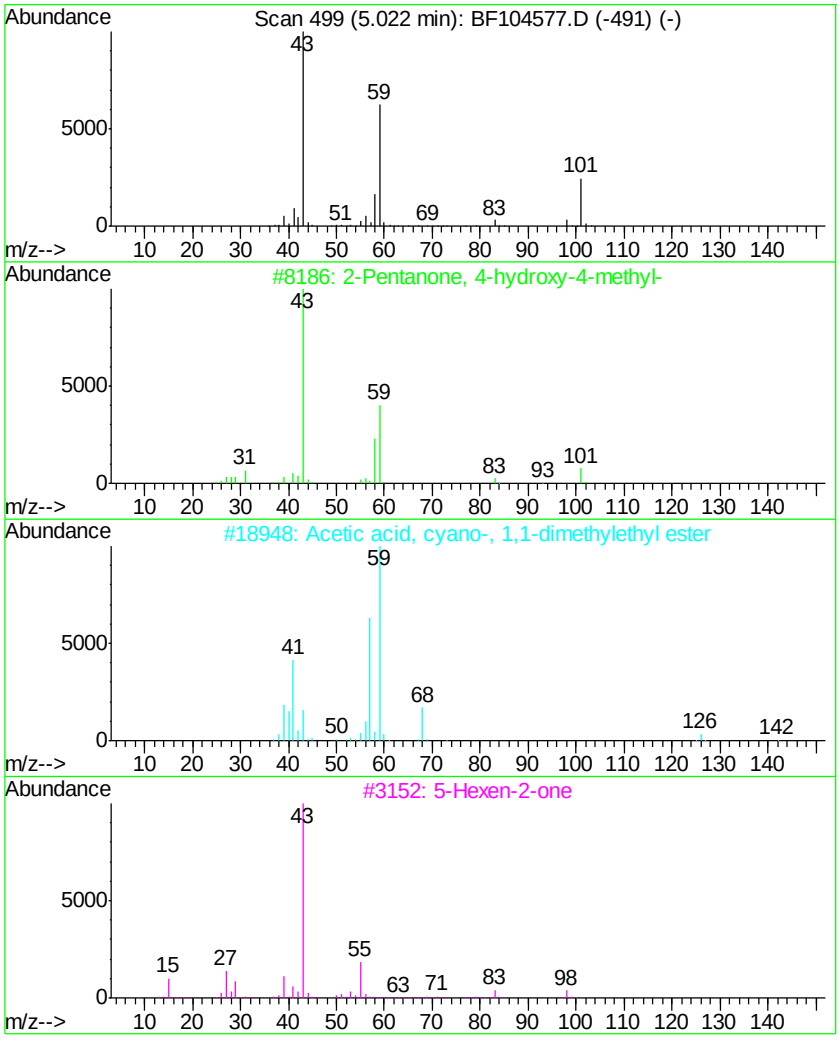
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

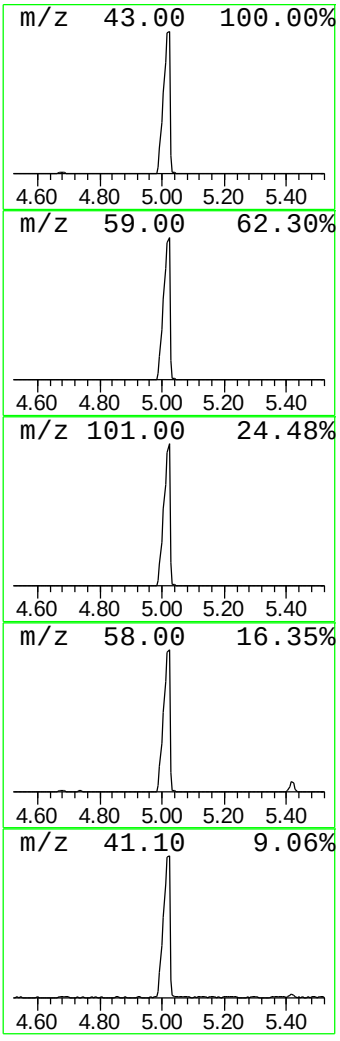
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	51.08 ng	2268370	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	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

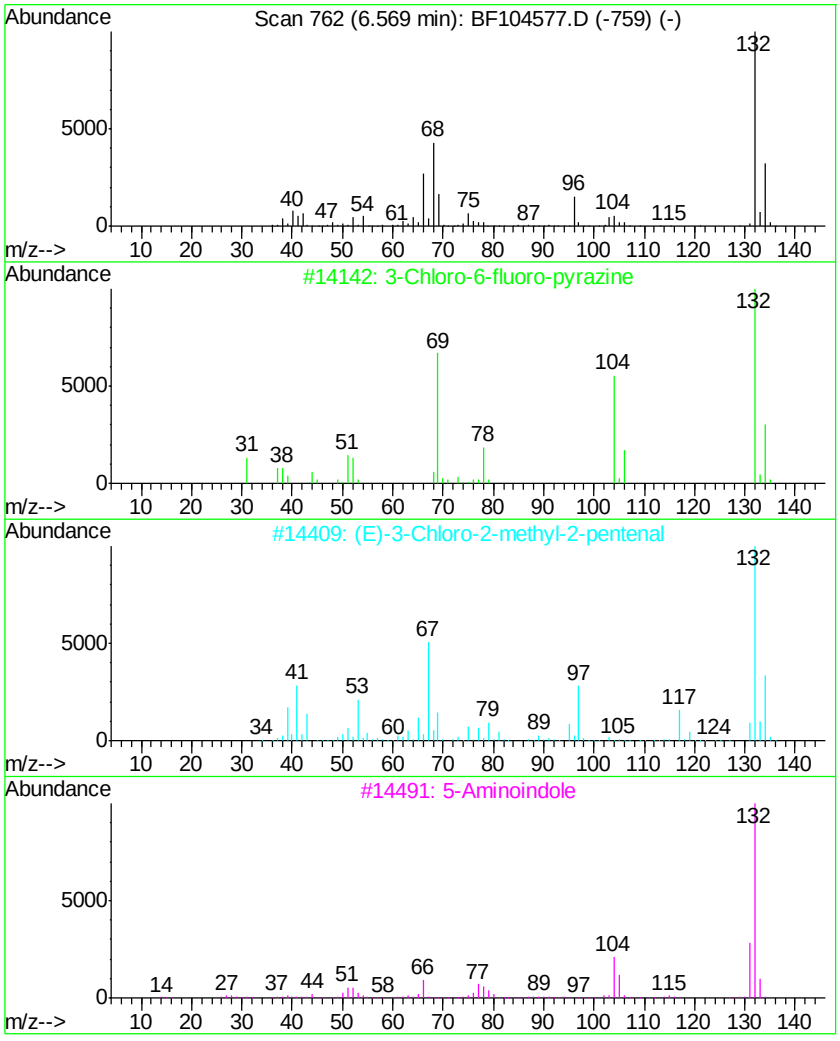
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

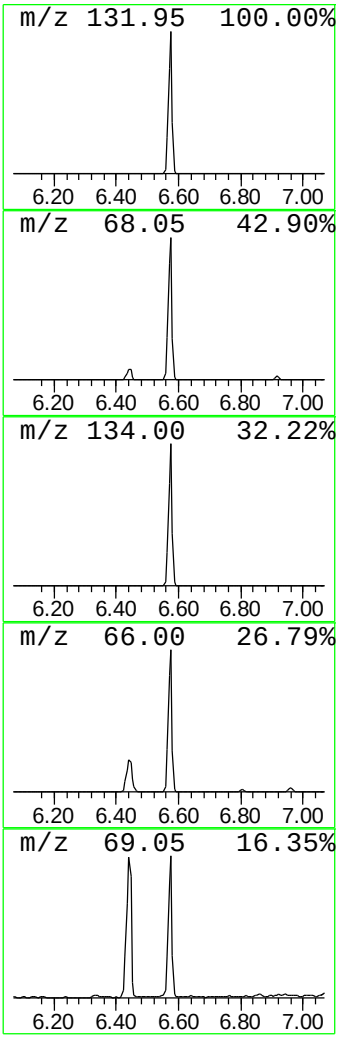
****

Peak Number 2 unknown6.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	42.11 ng	1870200	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	27
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-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

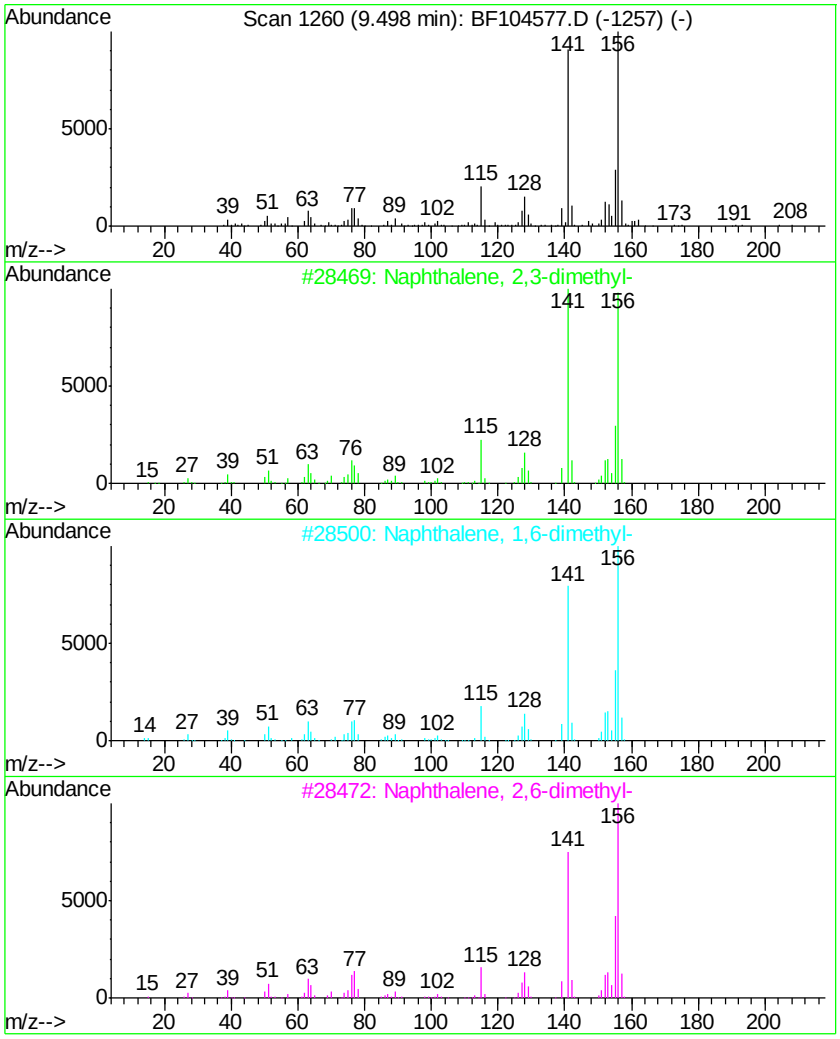
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

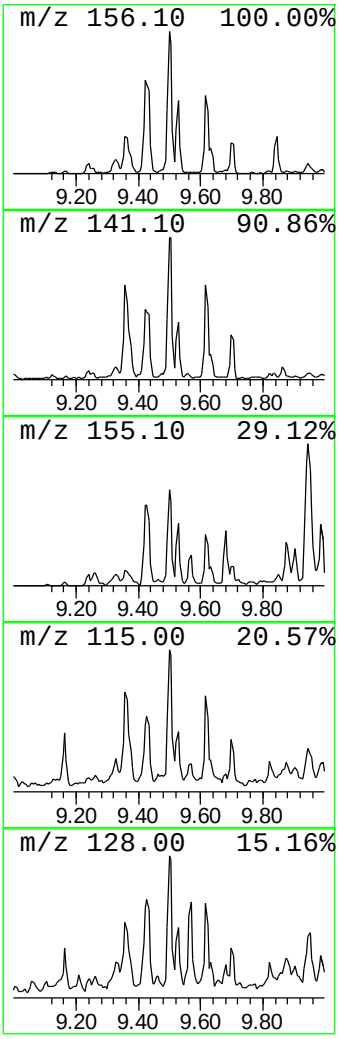
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	5.26 ng	292066	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

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

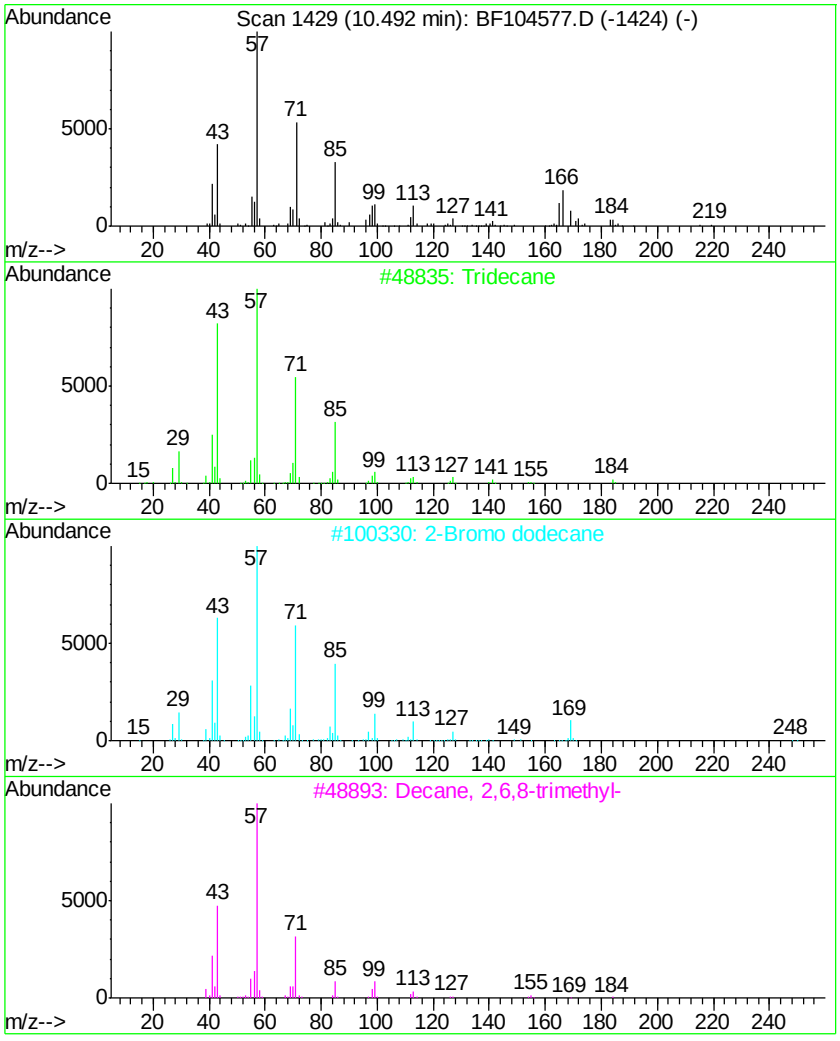
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

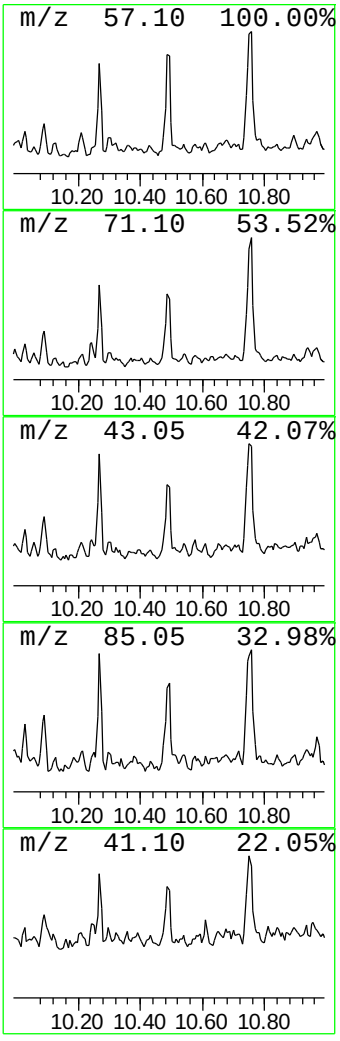
****

Peak Number 5 Tridecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	4.81 ng	267147	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	64
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	58
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	58
4	Heptacosane	380	C27H56	000593-49-7	58
5	Hexacosane	366	C26H54	000630-01-3	52





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

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

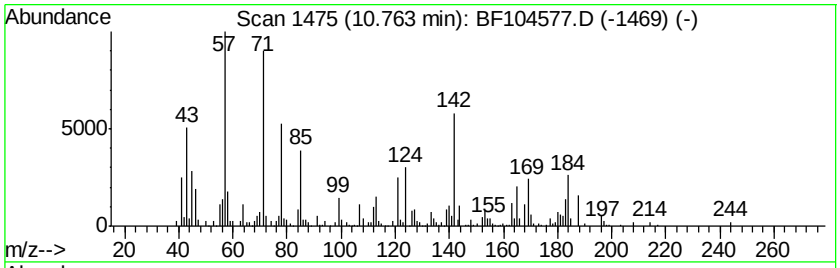
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

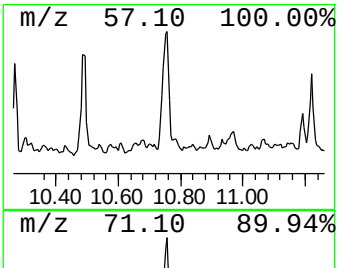
****

Peak Number 6 unknown10.76 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	9.59 ng	455813	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	45
3	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	43
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	43
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

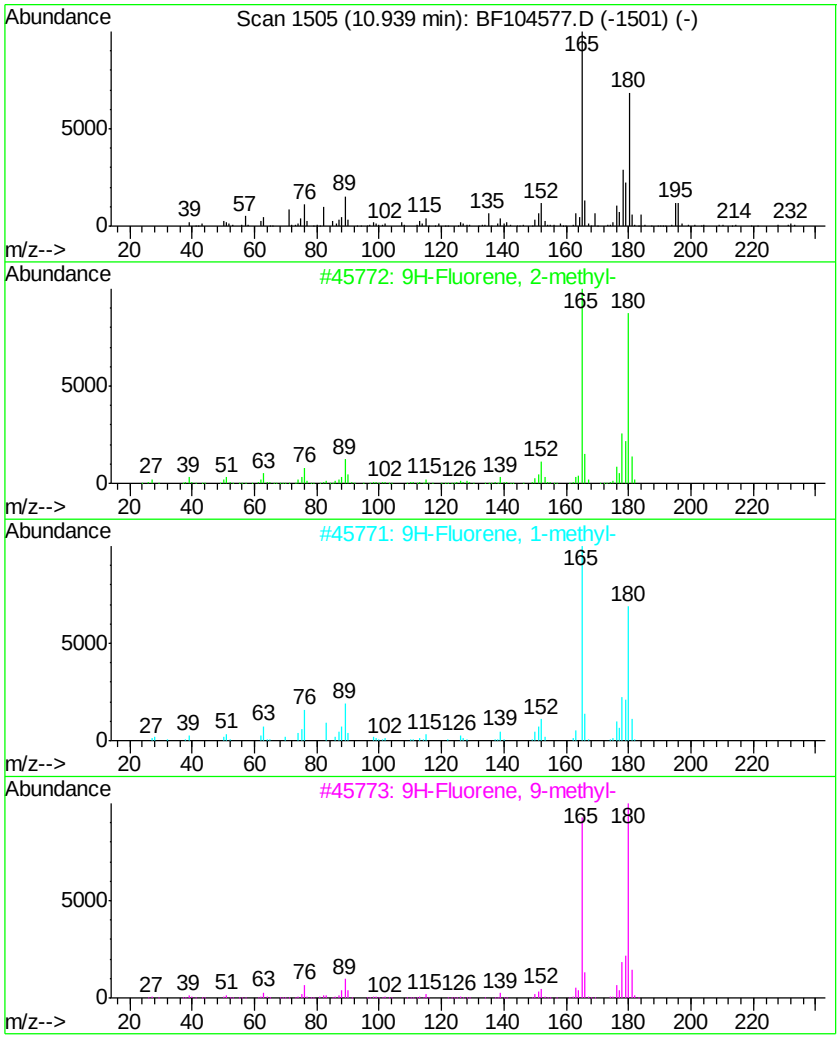
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

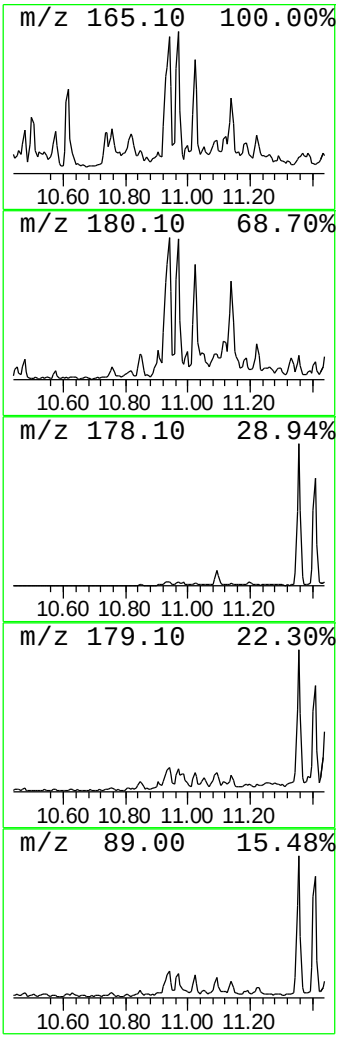
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	5.65 ng	268528	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	74
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

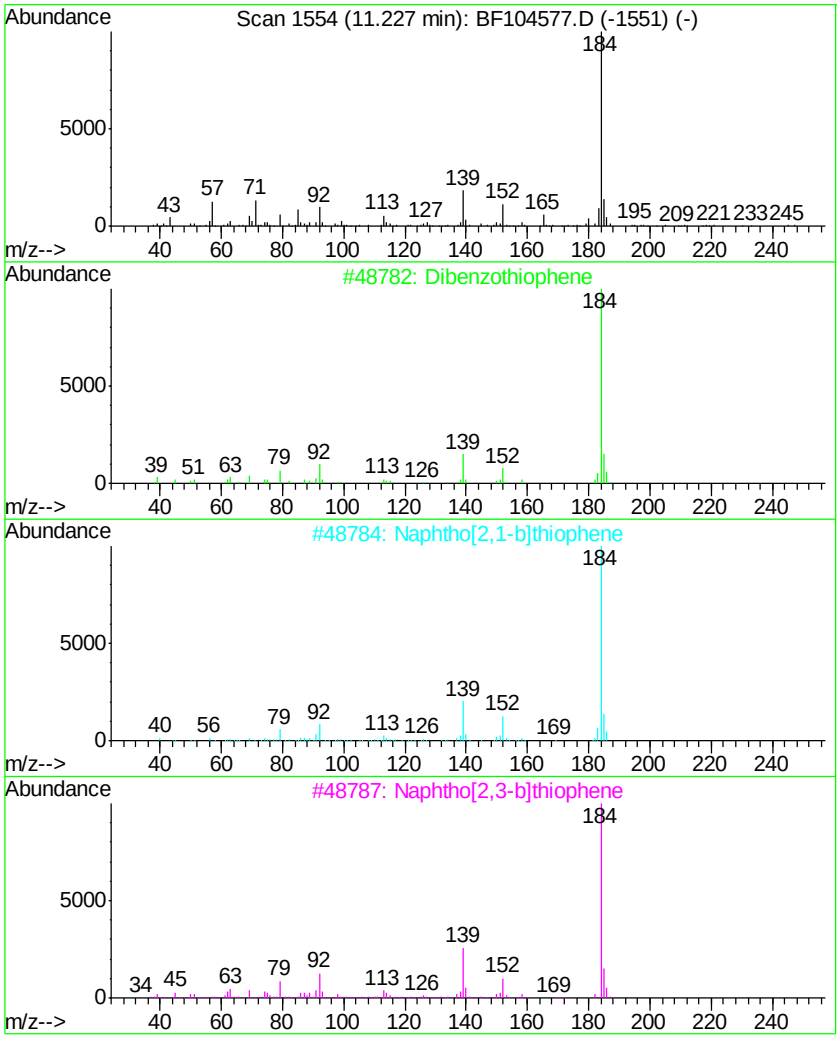
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

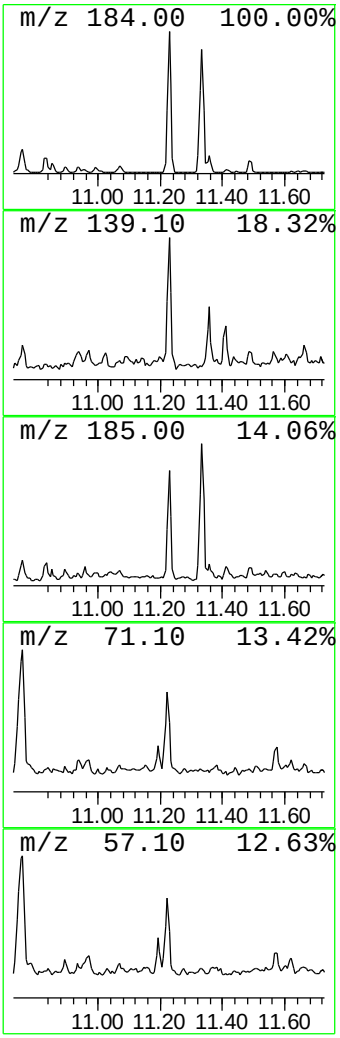
****

Peak Number 8 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	6.04 ng	287233	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

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

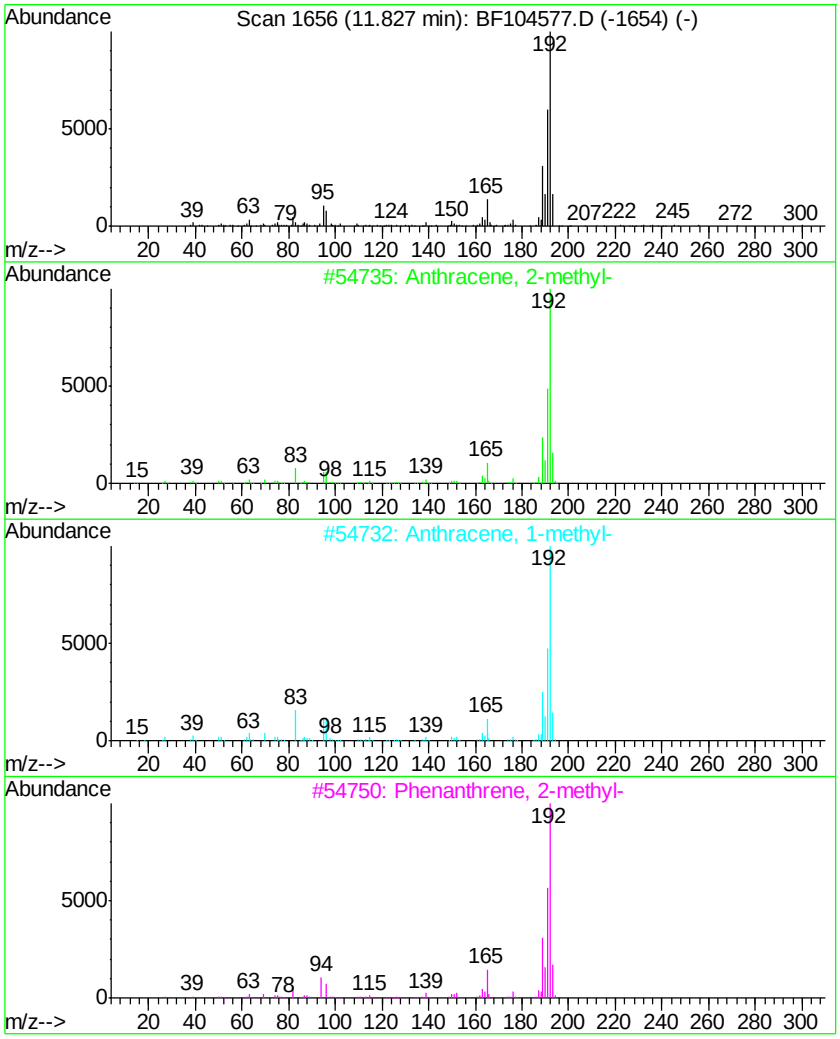
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

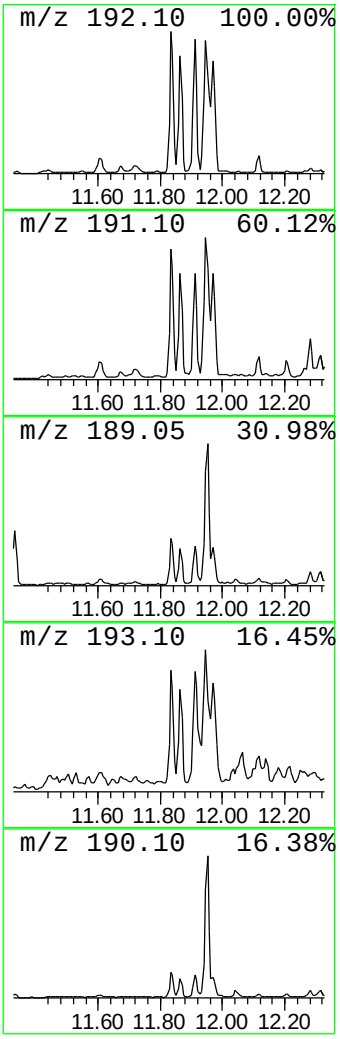
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	10.85 ng	515704	Phenanthrene-d10	11.33

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

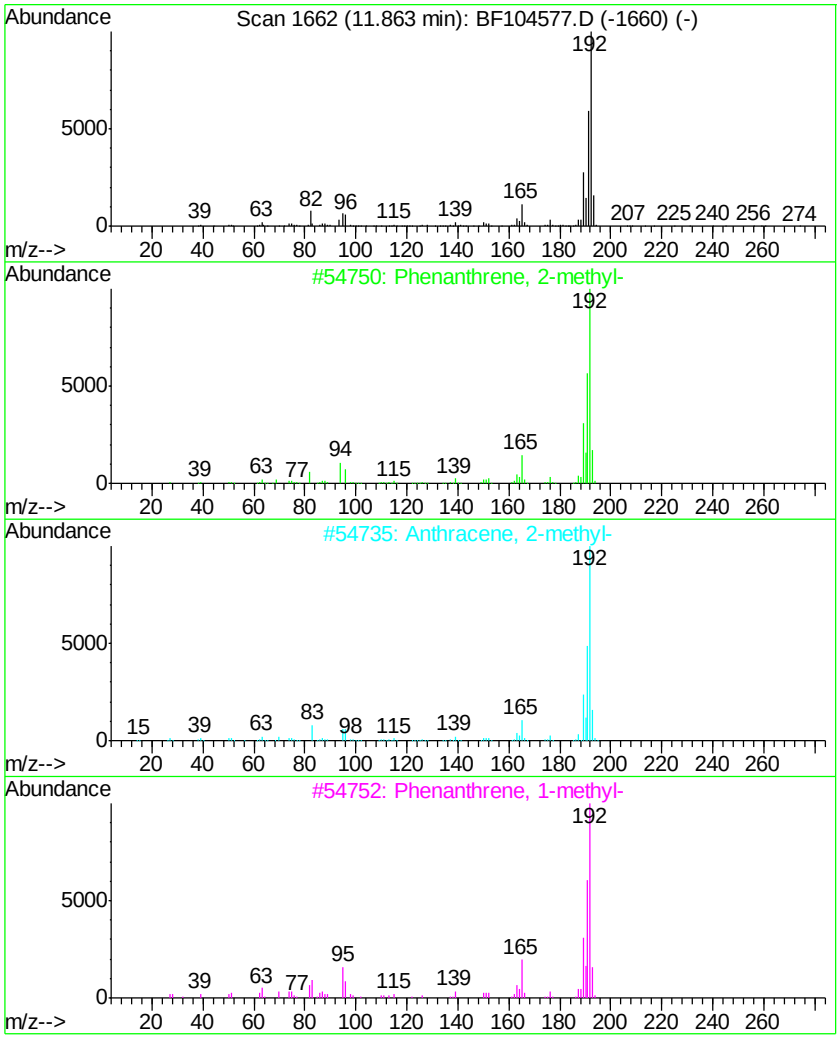
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

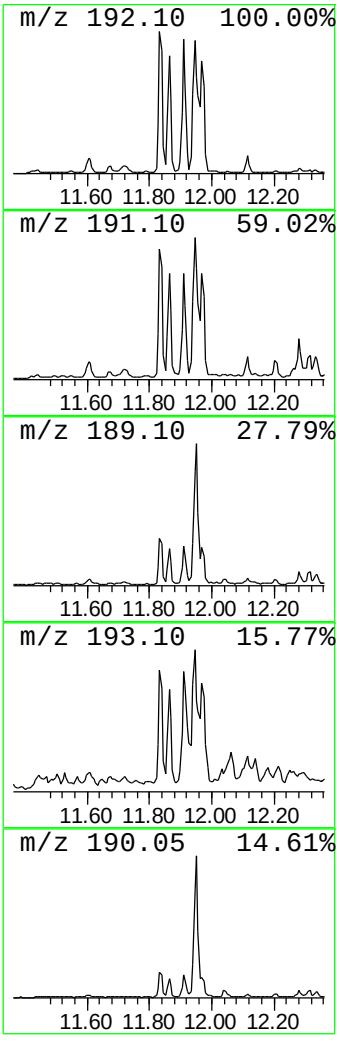
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.95 ng	330317	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	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

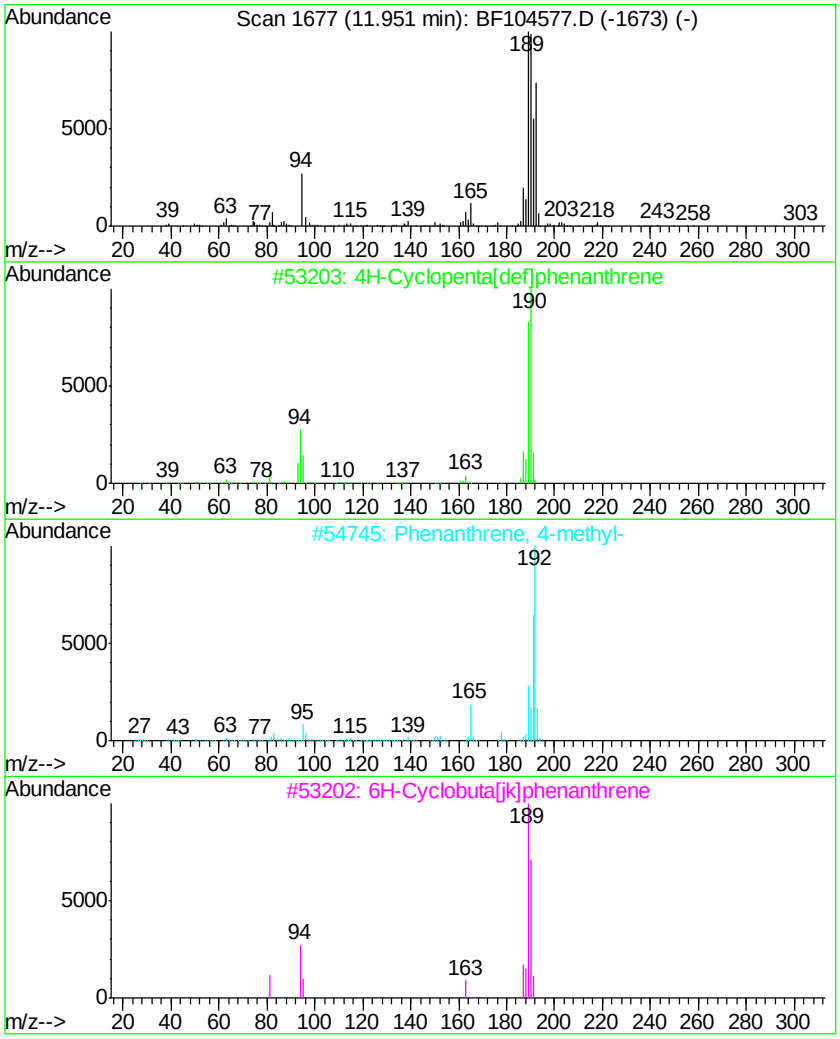
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

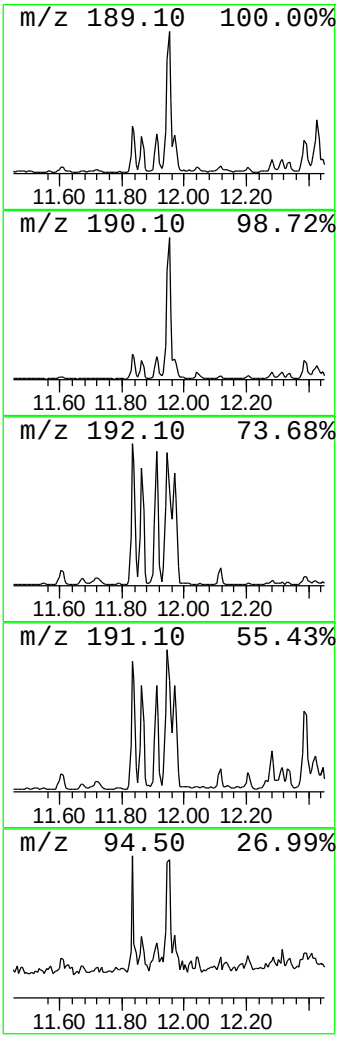
****

Peak Number 12 unknown11.95 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	19.75 ng	938530	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	45
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

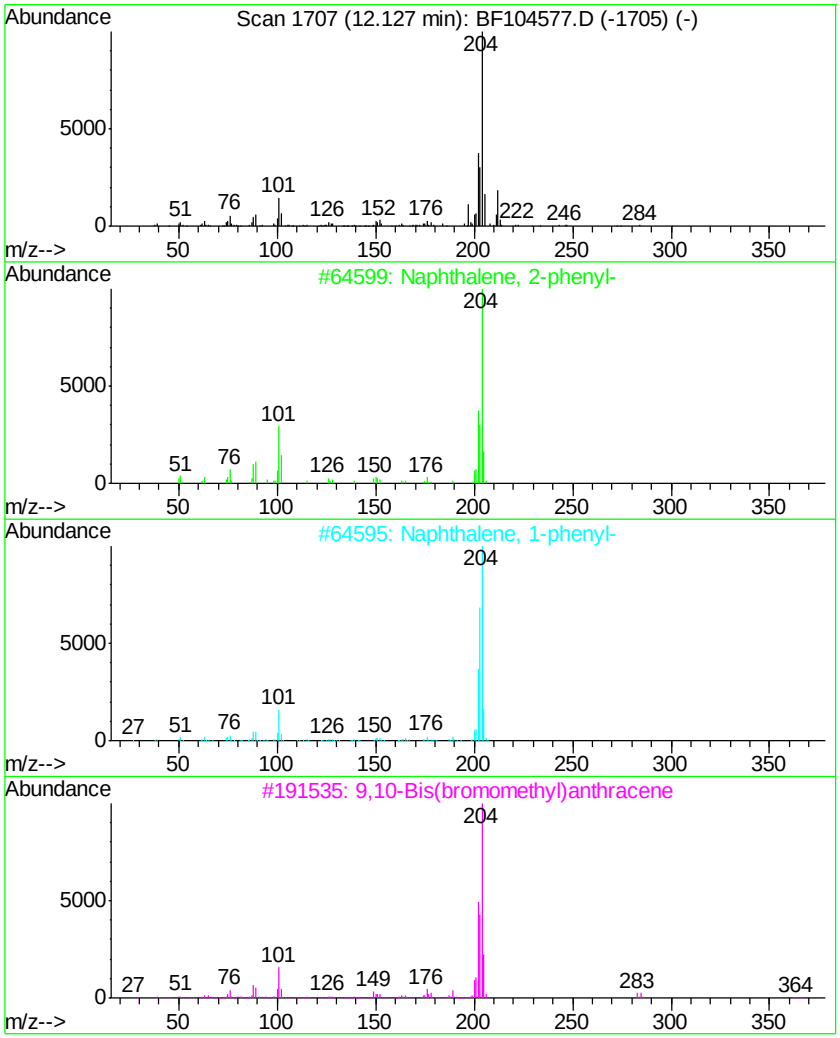
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

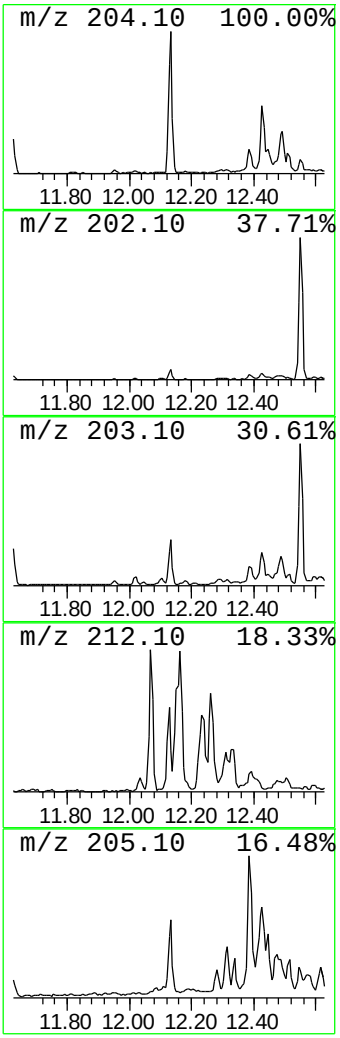
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.10 ng	242412	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

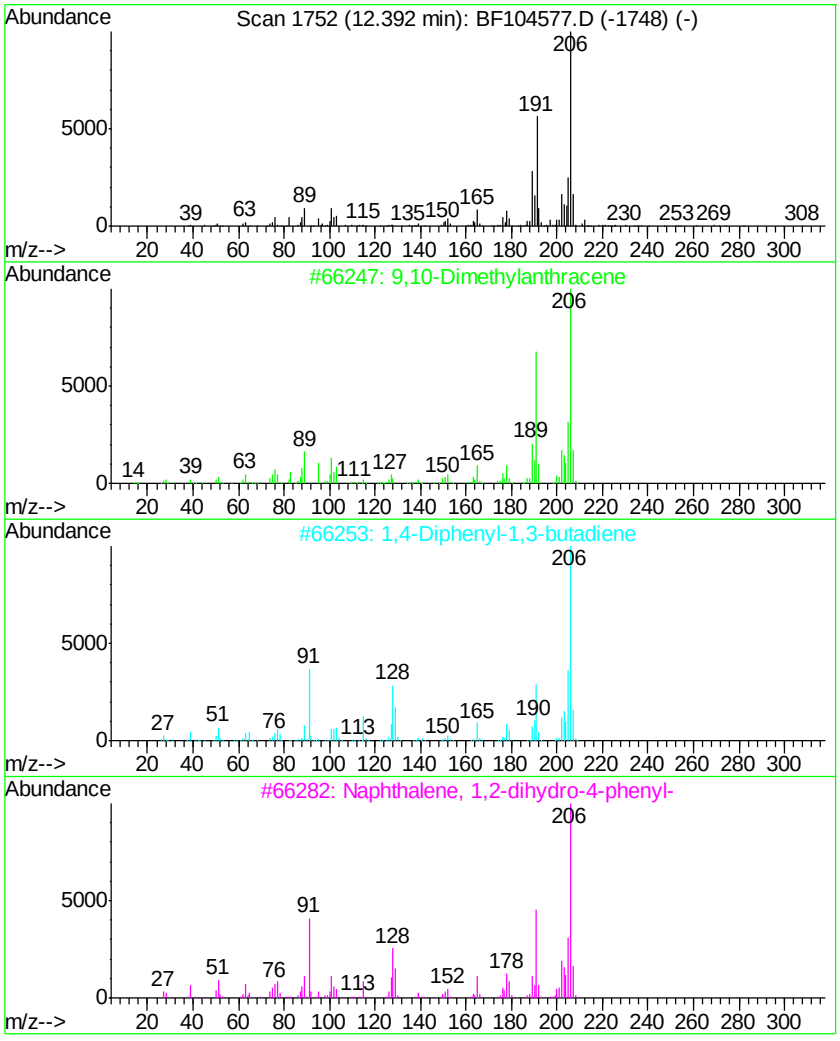
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

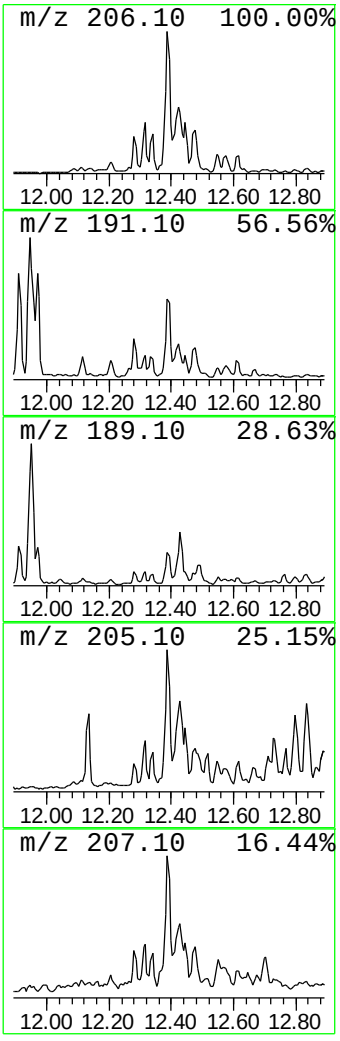
****

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	11.33 ng	538272	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	94
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

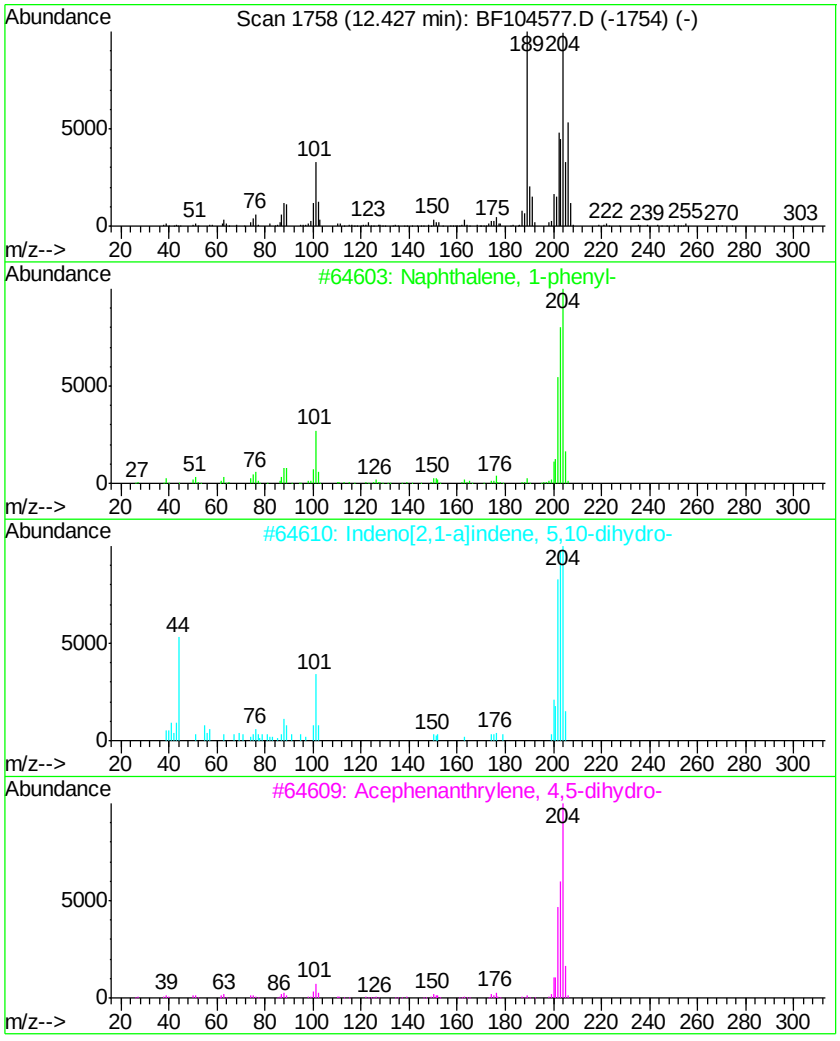
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

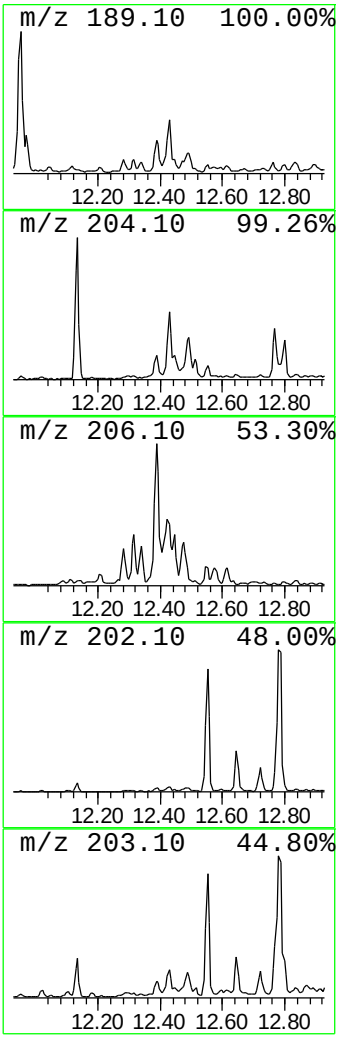
****

Peak Number 15 Naphthalene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	8.76 ng	416365	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	51
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	46
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	43
5	Levamisole	204	C11H12N2S	014769-73-4	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

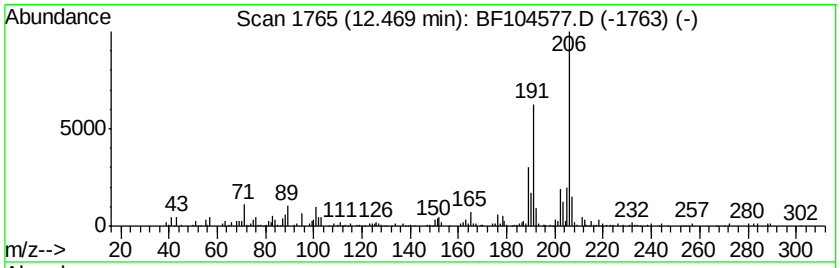
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

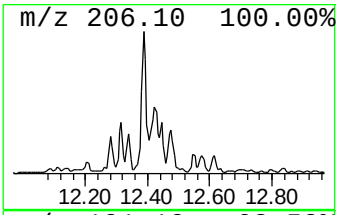
****

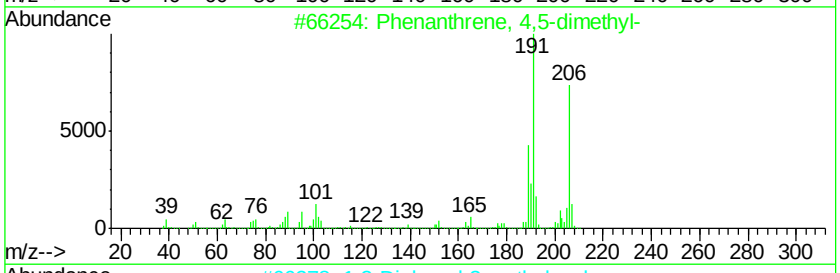
Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 14

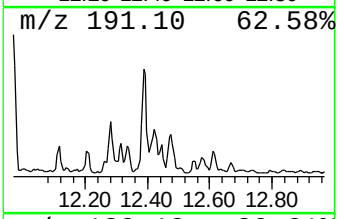
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	6.27 ng	297817	Phenanthrene-d10	11.33

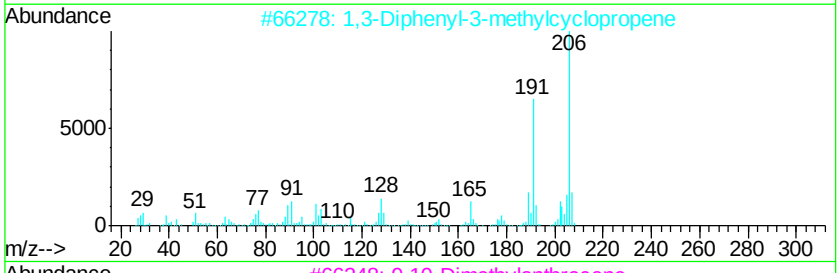
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91

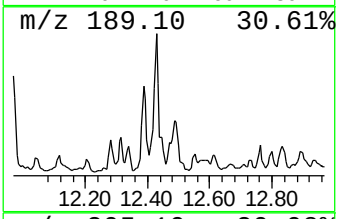


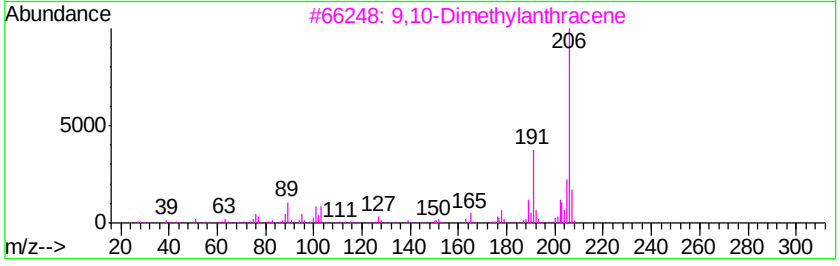


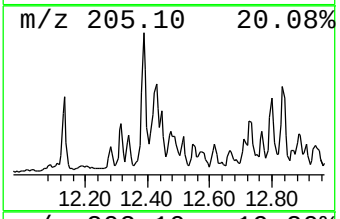


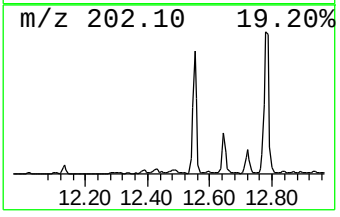












Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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

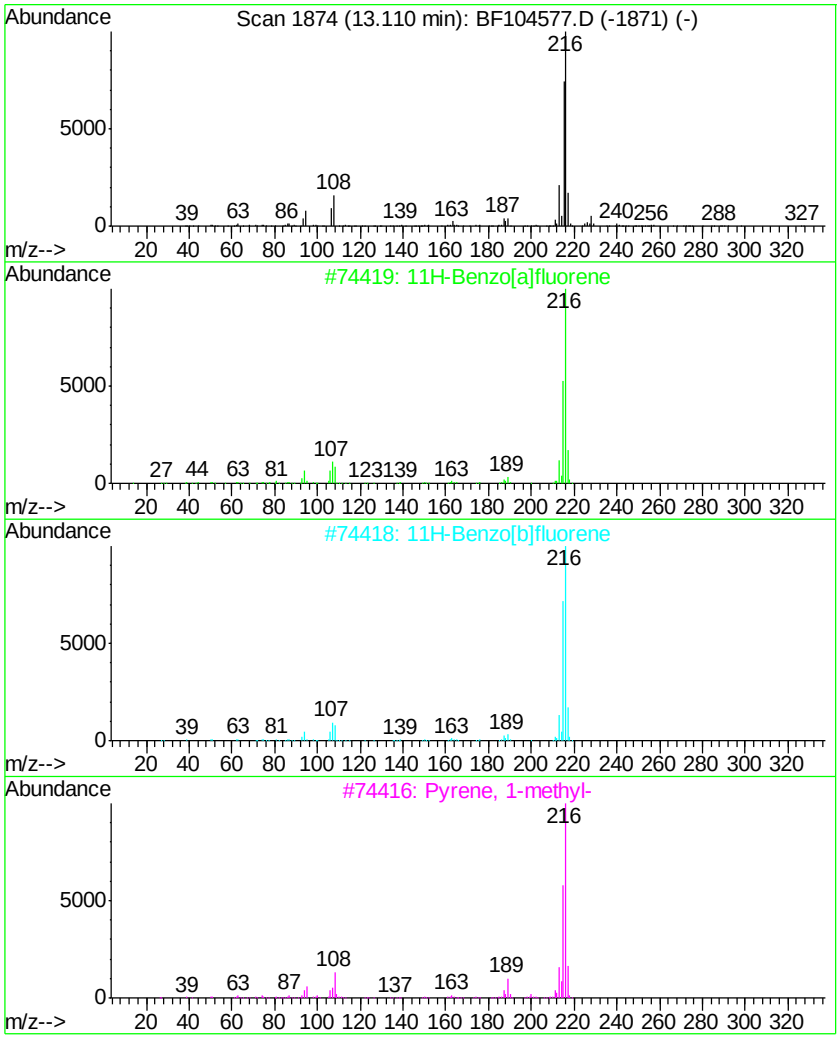
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

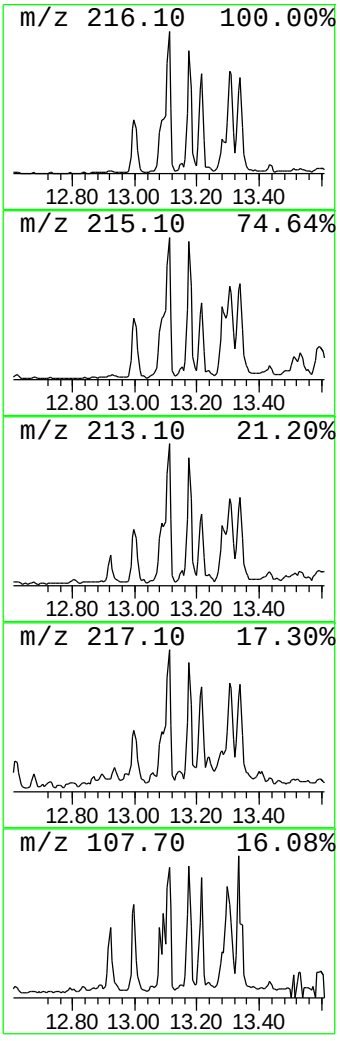
****

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	5.44 ng	741018	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

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

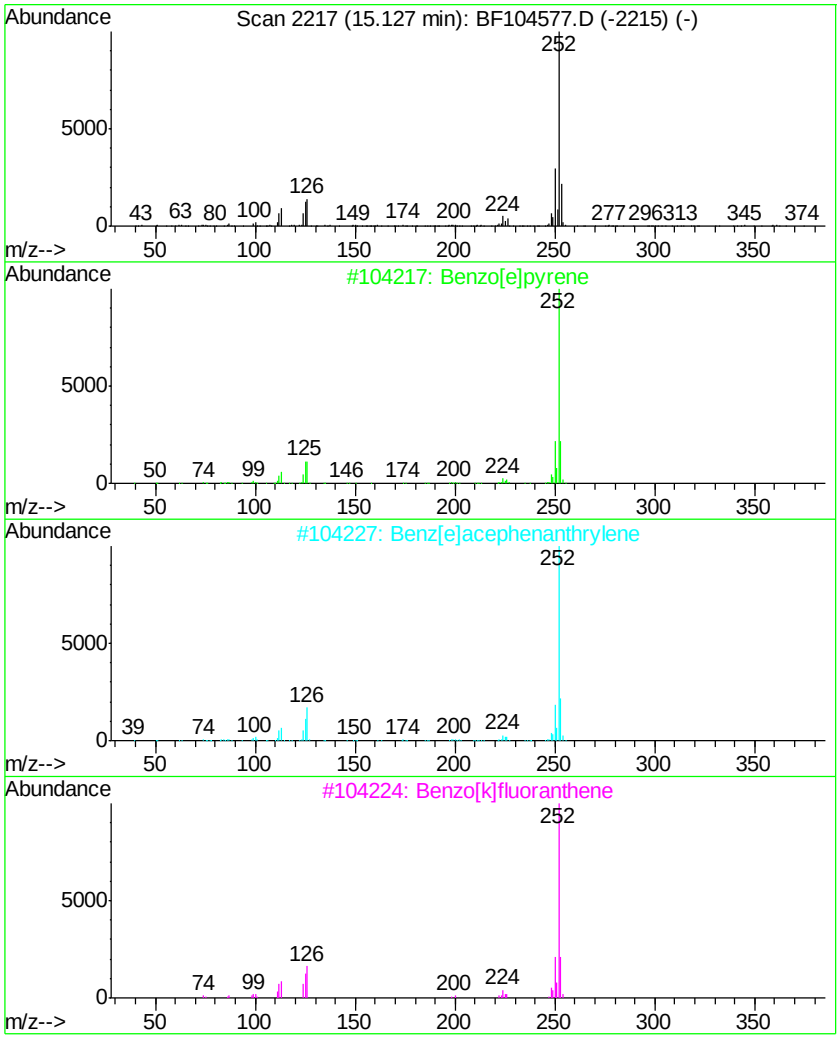
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

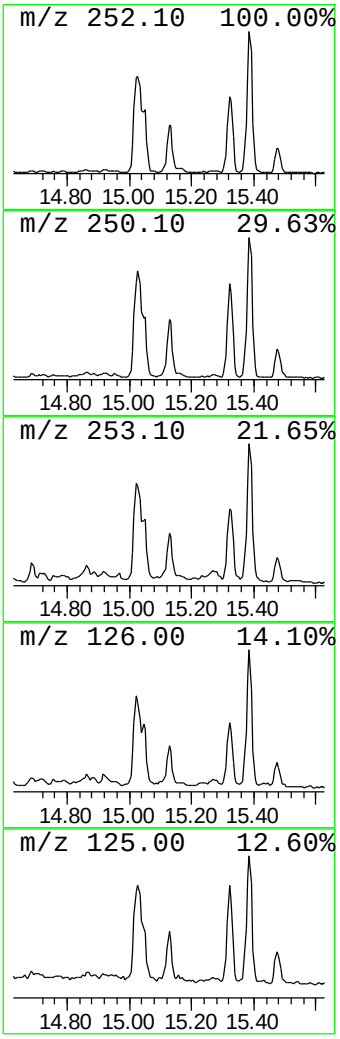
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	7.55 ng	257049	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Perylene	252	C20H12	000198-55-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180245-AMEND-COMP-B

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

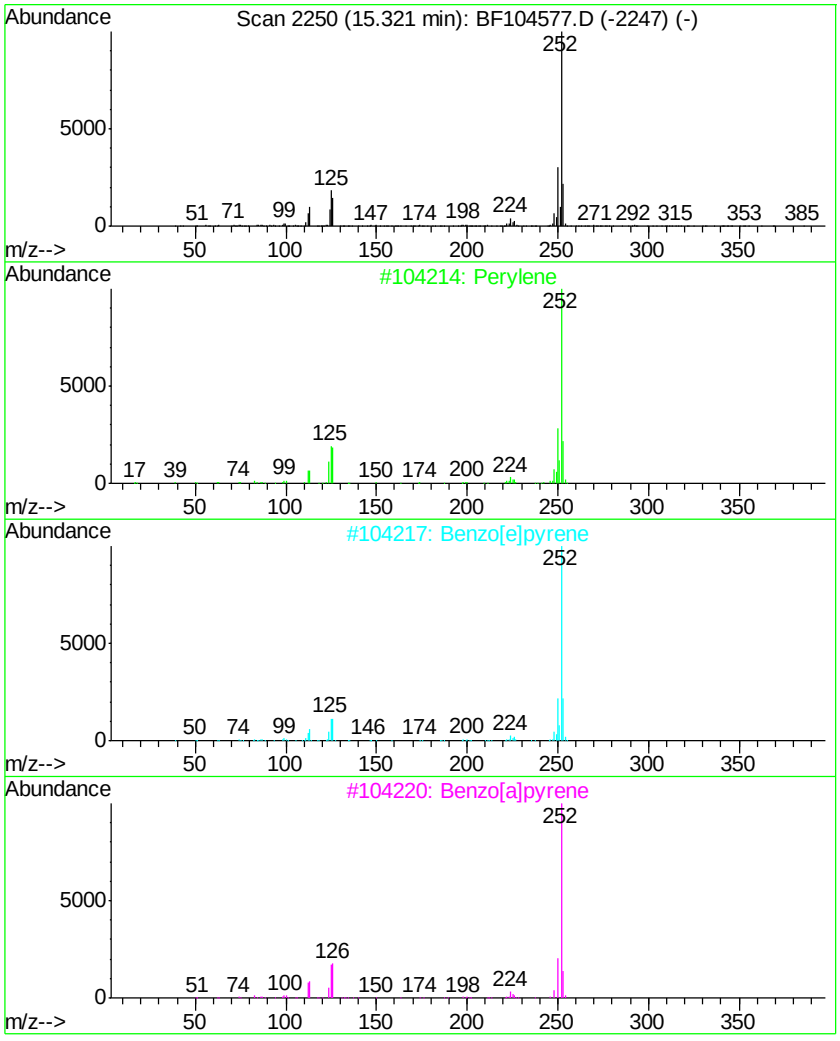
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

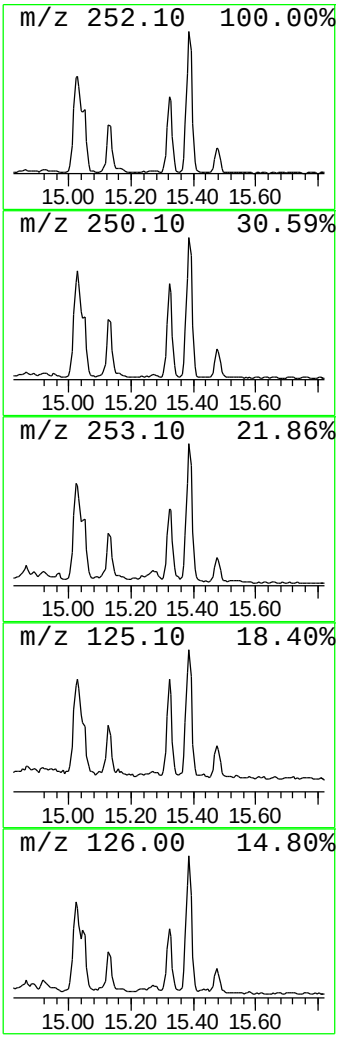
****

Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	18.12 ng	617277	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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041718\
Data File : BF104577.D
Acq On : 17 Apr 2018 22:22
Operator : JU/SJ
Sample : J2387-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180245-AMEND-COMP-B

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...	5.02	51.1	ng	2268370	1	6.80	888159	20.0
unknown6.57	6.57	42.1	ng	1870200	1	6.80	888159	20.0
Naphthalene, 2,3-...	9.50	5.3	ng	292066	3	9.85	1111370	20.0
Tridecane	10.49	4.8	ng	267147	3	9.85	1111370	20.0
unknown10.76	10.76	9.6	ng	455813	4	11.33	950437	20.0
9H-Fluorene, 2-me...	10.94	5.7	ng	268528	4	11.33	950437	20.0
Dibenzothiophene	11.23	6.0	ng	287233	4	11.33	950437	20.0
Anthracene, 2-met...	11.83	10.9	ng	515704	4	11.33	950437	20.0
Phenanthrene, 2-m...	11.86	7.0	ng	330317	4	11.33	950437	20.0
unknown11.95	11.95	19.8	ng	938530	4	11.33	950437	20.0
Naphthalene, 2-ph...	12.13	5.1	ng	242412	4	11.33	950437	20.0
9,10-Dimethylanth...	12.39	11.3	ng	538272	4	11.33	950437	20.0
Naphthalene, 1-ph...	12.43	8.8	ng	416365	4	11.33	950437	20.0
Phenanthrene, 4,5...	12.47	6.3	ng	297817	4	11.33	950437	20.0
11H-Benzo[a]fluorene	13.11	5.4	ng	741018	5	13.98	2724900	20.0
Benzo[e]pyrene	15.13	7.5	ng	257049	6	15.45	681341	20.0
Perylene	15.32	18.1	ng	617277	6	15.45	681341	20.0