LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

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-BF110817.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	5.075	504	508	518	rBV	124015	156891	13.24%	0.813%
2	5.475	571	576	579	rBV	1152481	1083975	91.45%	5.620%
3	6.486	743	748	758	rBV	1083943	1095632	92.44%	5.681%
4	6.622	767	771	775	rBV	1195816	1118767	94.39%	5.801%
5	6.851	807	810	814	rBV	375173	307391	25.93%	1.594%
6	7.010	833	837	840	rBV	1046645	846202	71.39%	4.387%
7	7.416	902	906	909	rBV	700016	631852	53.31%	3.276%
8	8.133	1025	1028	1031	rBV	440571	356248	30.06%	1.847%
9	8.686	1119	1122	1126	rBV	65528	54173	4.57%	0.281%
10	9.210	1207	1211	1214	rBV	1438738	1103515	93.10%	5.722%
11	9.545	1265	1268	1271	rBV	23739	22562	1.90%	0.117%
12	9.598	1275	1277	1285	rVB2	56485	54249	4.58%	0.281%
13	9.751	1300	1303	1306	rBV	40611	32402	2.73%	0.168%
14	9.892	1323	1327	1330	rBV	353180	307973	25.98%	1.597%
15	9.922	1330	1332	1335	rVB	76196	54792	4.62%	0.284%
16	10.045	1348	1353	1356	rBV2	17190	18339	1.55%	0.095%
17	10.092	1356	1361	1364	rVB2	40914	37937	3.20%	0.197%
18	10.127	1364	1367	1372	rVB	16684	14113	1.19%	0.073%
19	10.204	1376	1380	1383	rBV2	19152	21110	1.78%	0.109%
20	10.292	1391	1395	1397	rBV2	13862	17826	1.50%	0.092%
21	10.439	1416	1420	1425	rVB	69272	67376	5.68%	0.349%
22	10.504	1425	1431	1432	rBV	24914	30446	2.57%	0.158%
23	10.521	1432	1434	1437	rVB2	23447	18024	1.52%	0.093%
24	10.604	1444	1448	1451	rVB	247820	211585	17.85%	1.097%
25	10.680	1457	1461	1465	rBV	630275	539532	45.52%	2.797%
26	10.986	1507	1513	1515	rBV2	35516	42370	3.57%	0.220%
27	11.016	1515	1518	1520	rBV2	23204	22312	1.88%	0.116%
28	11.069	1525	1527	1529	rVB	30104	20783	1.75%	0.108%
29	11.133	1536	1538	1544	rVB3	22607	20667	1.74%	0.107%
30	11.233	1549	1555	1558	rBV3	25605	34659	2.92%	0.180%
31	11.274	1559	1562	1570	rVB	39434	38311	3.23%	0.199%
32	11.380	1576	1580	1582	rBV	342082	322696	27.23%	1.673%
33	11.404	1582	1584	1587	rVV	739047	547559	46.20%	2.839%
34	11.451	1589	1592	1595	rVV	219592	192407	16.23%	0.998%

LSC Area Percent Report

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Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.486	1595	1598	1601	rVV2	17796	22077	1.86%	0.114%
36	11.533	1604	1606	1611	rVB6	9790	18138	1.53%	0.094%
37	11.610	1615	1619	1624	rBV2	26089	37497	3.16%	0.194%
38	11.710	1631	1636	1640	rVB2	27306	27251	2.30%	0.141%
39	11.786	1647	1649	1653	rVB	16392	14957	1.26%	0.078%
40	11.880	1660	1665	1667	rBV	146597	141813	11.96%	0.735%
41	11.910	1667	1670	1673	rVB	194490	183459	15.48%	0.951%
42	11.957	1673	1678	1681	rBV	112454	99018	8.35%	0.513%
43	11.992	1681	1684	1687	rVV	240272	282989	23.88%	1.467%
44	12.015	1687	1688	1692	rVB	116722	62947	5.31%	0.326%
45	12.063	1693	1696	1702	rBV6	16736	25757	2.17%	0.134%
46	12.110	1702	1704	1707	rBV2	16954	17564	1.48%	0.091%
47	12.145	1707	1710	1713	rBV5	25808	34445	2.91%	0.179%
48	12.174	1713	1715	1718	rVV	88251	72201	6.09%	0.374%
49	12.204	1718	1720	1722	rVB2	32632	25059	2.11%	0.130%
50	12.327	1738	1741	1743	rVB	41603	31259	2.64%	0.162%
51	12.357	1743	1746	1748	rBV	39594	28320	2.39%	0.147%
52	12.380	1748	1750	1752	rVB2	41203	32366	2.73%	0.168%
53	12.433	1752	1759	1761	rBV	123805	146796	12.38%	0.761%
54	12.468	1761	1765	1767	rVV3	58518	72809	6.14%	0.378%
55	12.486	1767	1768	1770	rVB	38984	24782	2.09%	0.128%
56	12.521	1770	1774	1778	rBV3	56695	85153	7.18%	0.442%
57	12.557	1778	1780	1783	rVB4	20215	16524	1.39%	0.086%
58	12.598	1783	1787	1790	rBV	1059042	935632	78.94%	4.851%
59	12.633	1790	1793	1795	rVB2	20716	15705	1.33%	0.081%
60	12.657	1795	1797	1799	rVB2	33562	23888	2.02%	0.124%
61	12.686	1799	1802	1805	rVB3	15381	14026	1.18%	0.073%
62	12.727	1805	1809	1810	rBV4	14863	21541	1.82%	0.112%
63	12.745	1810	1812	1814	rBV	35679	25751	2.17%	0.134%
64	12.774	1814	1817	1820	rVB3	31975	35026	2.96%	0.182%
65	12.827	1820	1826	1831	rBV	1009710	1185277	100.00%	6.146%
66	12.874	1831	1834	1838	rVB2	70890	88662	7.48%	0.460%
67	12.963	1842	1849	1852	rBV	1141358	1085305	91.57%	5.627%
68	13.039	1857	1862	1867	rBV3	94135	167824	14.16%	0.870%
69	13.127	1874	1877	1878	rBV3	75178	75224	6.35%	0.390%
70	13.151	1878	1881	1884	rVB	198130	190770	16.09%	0.989%
71	13.180	1884	1886	1888	rBV3	19881	16313	1.38%	0.085%

LSC Area Percent Report

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Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.215	1889	1892	1895	rVV	157587	139475	11.77%	0.723%
73	13.257	1895	1899	1901	rVV2	142064	148989	12.57%	0.772%
74	13.280	1901	1903	1906	rVV2	38433	40345	3.40%	0.209%
75	13.310	1906	1908	1912	rVB	25385	22312	1.88%	0.116%
76	13.351	1912	1915	1917	rBV	93988	85731	7.23%	0.445%
77	13.380	1917	1920	1923	rVB	84746	77066	6.50%	0.400%
78	13.598	1956	1957	1961	rVB4	23799	16449	1.39%	0.085%
79	13.633	1961	1963	1965	rBV2	36300	42663	3.60%	0.221%
80	13.662	1966	1968	1972	rVB4	47118	55571	4.69%	0.288%
81	13.774	1984	1987	1989	rBV	52466	54734	4.62%	0.284%
82	13.798	1989	1991	1993	rVV	86356	62982	5.31%	0.327%
83	13.821	1993	1995	1997	rVV	51223	54596	4.61%	0.283%
84	13.851	1998	2000	2007	rVB4	101302	133550	11.27%	0.692%
85	14.015	2022	2028	2032	rBV2	599289	925078	78.05%	4.796%
86	14.051	2032	2034	2040	rVB	474320	403539	34.05%	2.092%
87	14.127	2045	2047	2050	rVV	88299	77183	6.51%	0.400%
88	14.374	2086	2089	2091	rBV2	42818	46763	3.95%	0.242%
89	14.409	2092	2095	2098	rVV	119047	120651	10.18%	0.626%
90	14.445	2098	2101	2104	rVB	53822	56445	4.76%	0.293%
91	14.533	2114	2116	2118	rBV2	49517	44075	3.72%	0.229%
92	14.557	2118	2120	2123	rVB2	61216	53607	4.52%	0.278%
93	15.068	2203	2207	2210	rBV	269651	393304	33.18%	2.039%
94	15.174	2223	2225	2228	rBV	47229	45419	3.83%	0.235%
95	15.374	2256	2259	2266	rVB	170944	224166	18.91%	1.162%
96	15.439	2266	2270	2276	rBV	262940	354707	29.93%	1.839%
97	15.504	2277	2281	2284	rVV	222461	301129	25.41%	1.561%
98	15.533	2284	2286	2293	rVB2	80855	105404	8.89%	0.547%
99	16.986	2529	2533	2539	rVB2	96030	177805	15.00%	0.922%
100	17.439	2604	2610	2622	rVB	78351	194370	16.40%	1.008%

Sum of corrected areas: 19286909

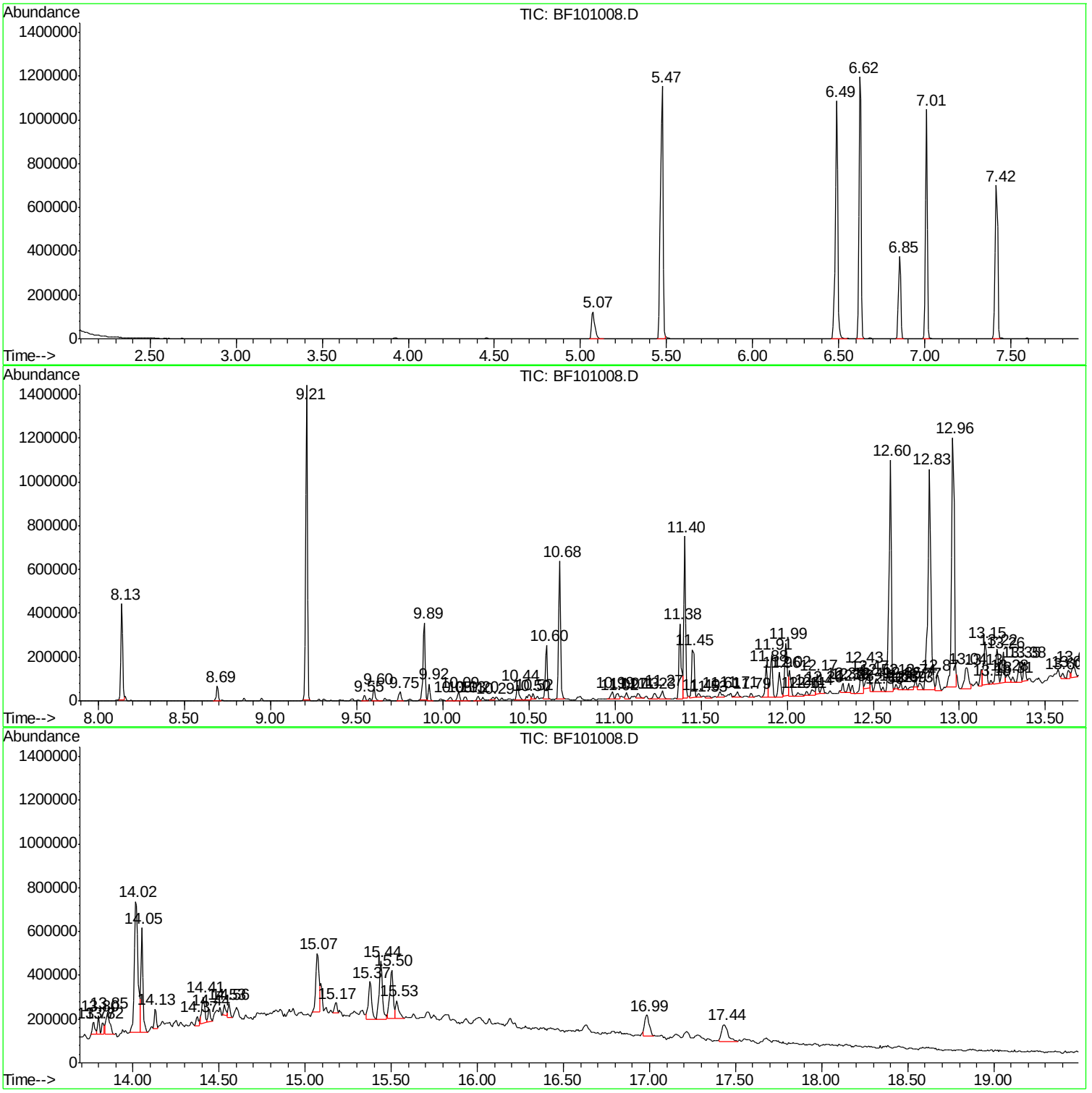
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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\BF112917\
Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

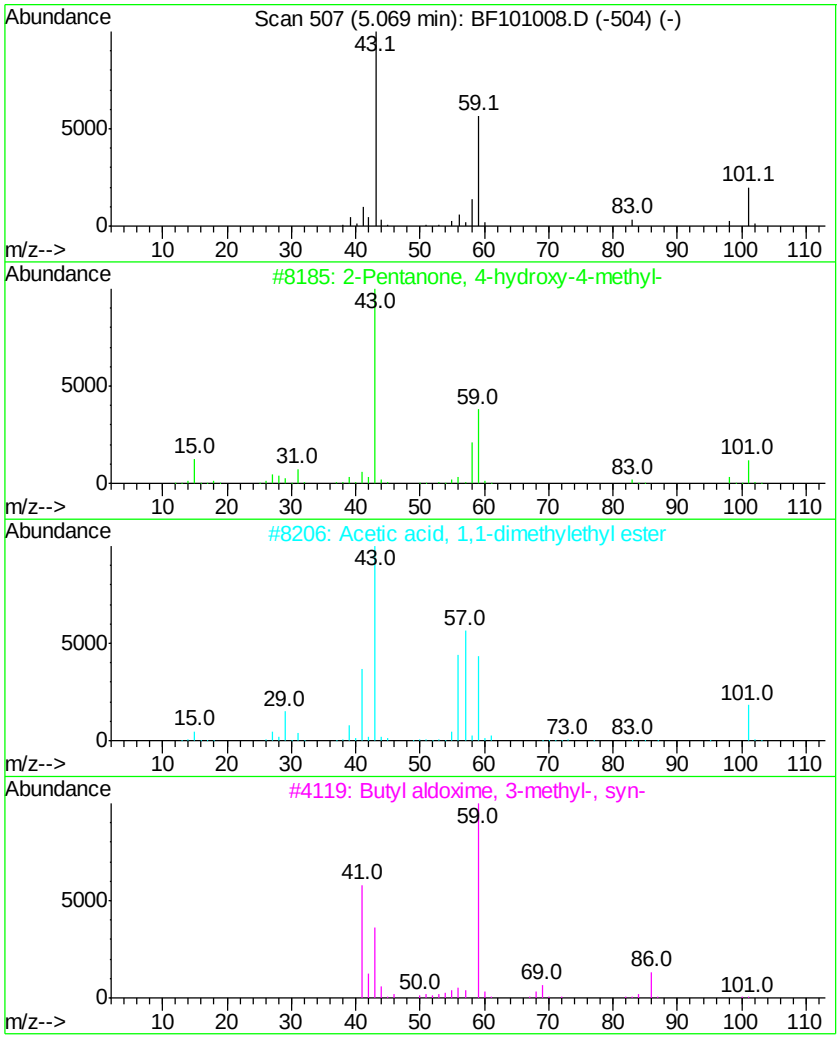
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

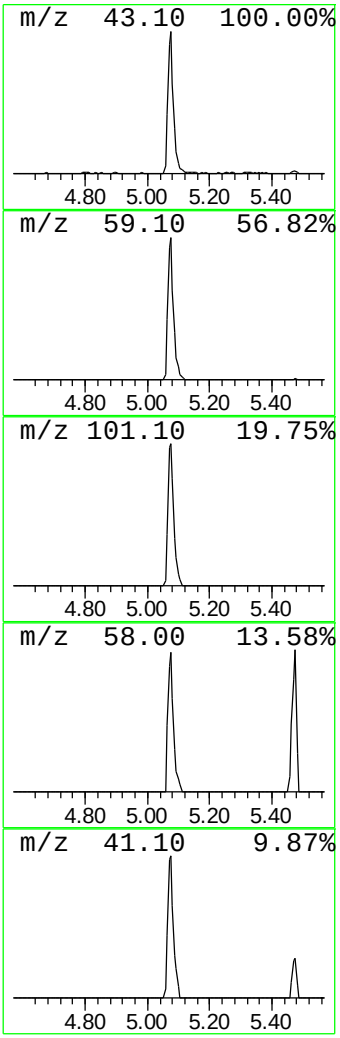
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	10.21 ng	156891	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
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ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

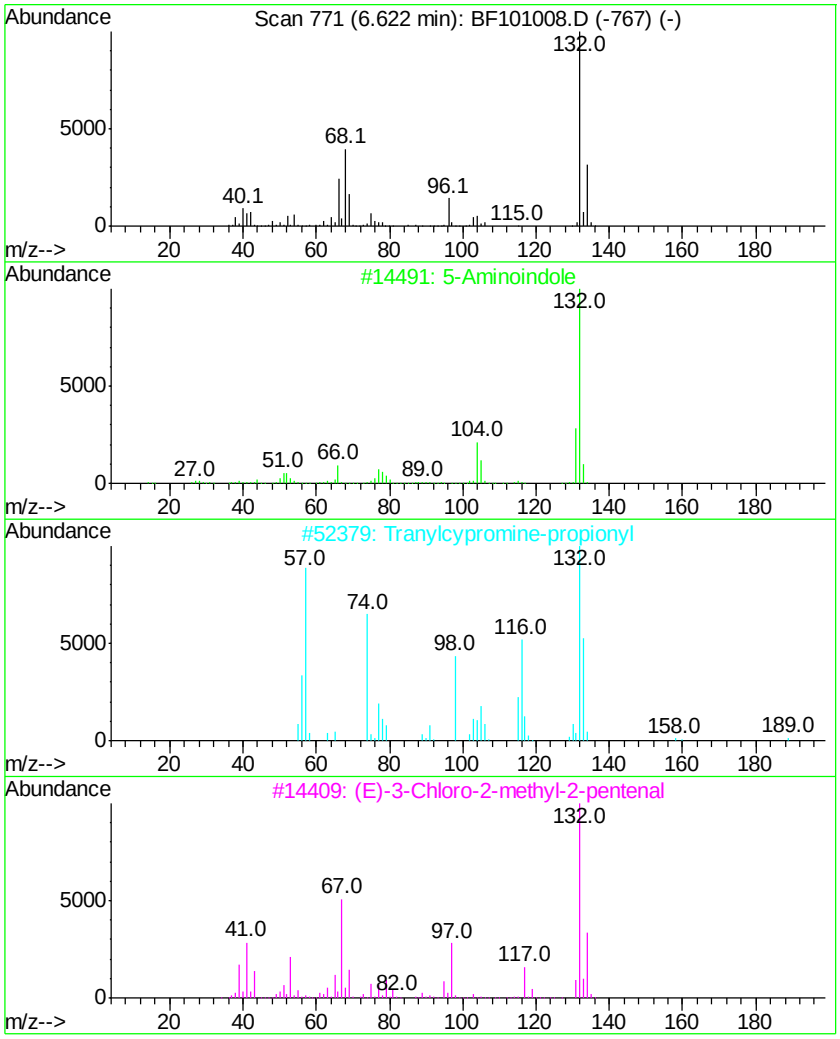
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

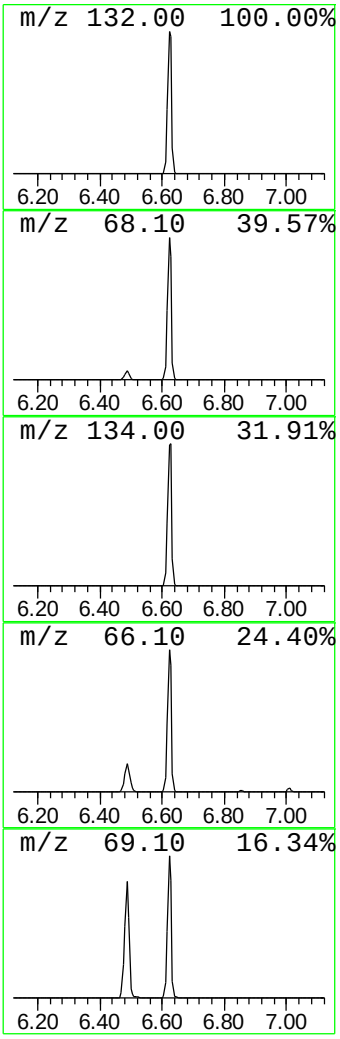
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	72.79 ng	1118770	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

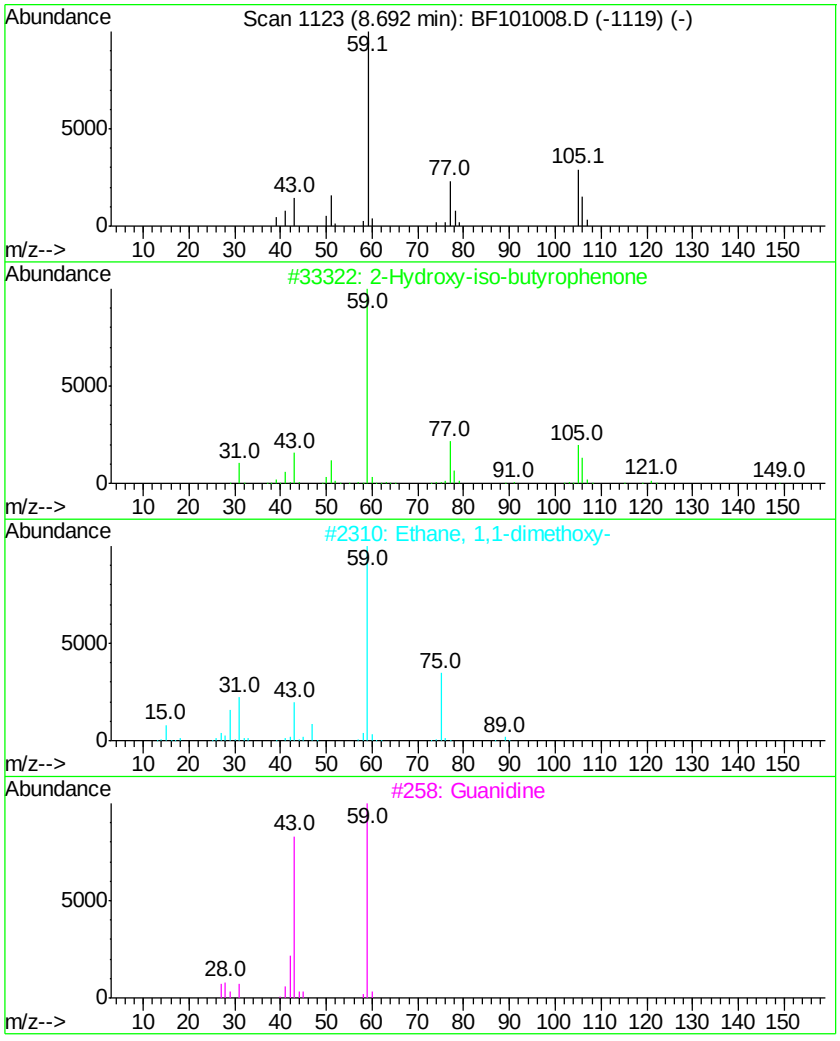
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

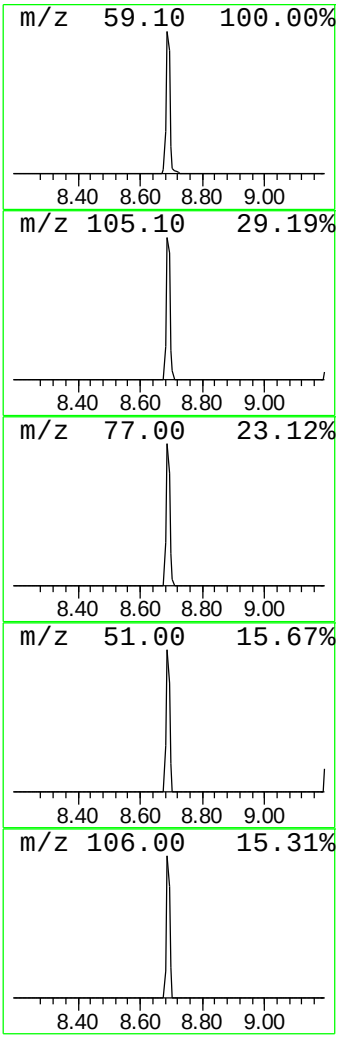
****

Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	3.04 ng	54173	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	90
2	Ethane, 1,1-dimethoxy-	90	C4H10O2	000534-15-6	23
3	Guanidine	59	CH5N3	000113-00-8	7
4	Acetamide	59	C2H5NO	000060-35-5	5
5	Formamide, N-methyl-	59	C2H5NO	000123-39-7	4





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Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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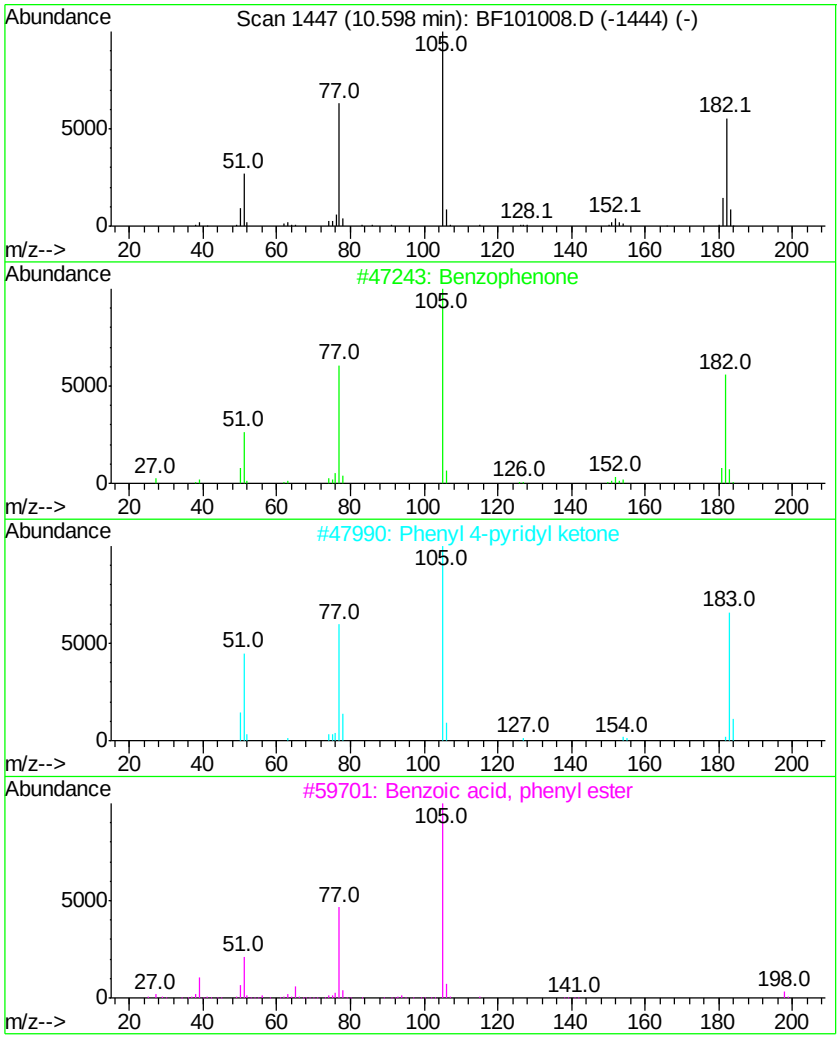
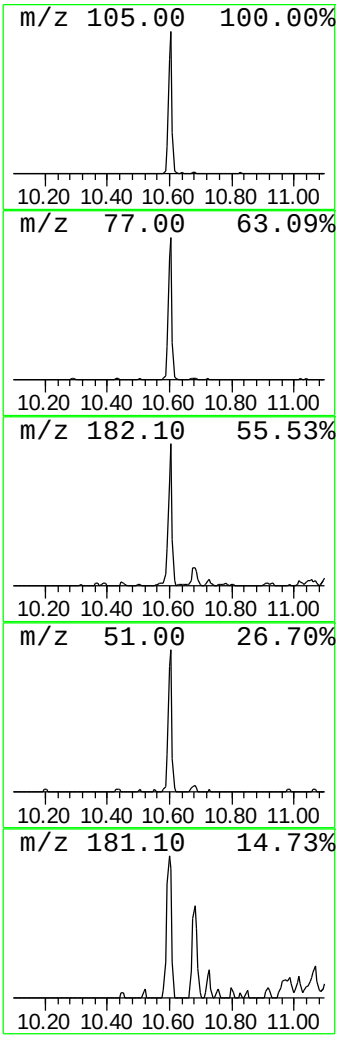
Peak Number 5 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	13.74 ng	211585	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	1,2-Propanedione, 1-phenyl-, 2-o...	163	C9H9NO2	000119-51-7	47





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Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

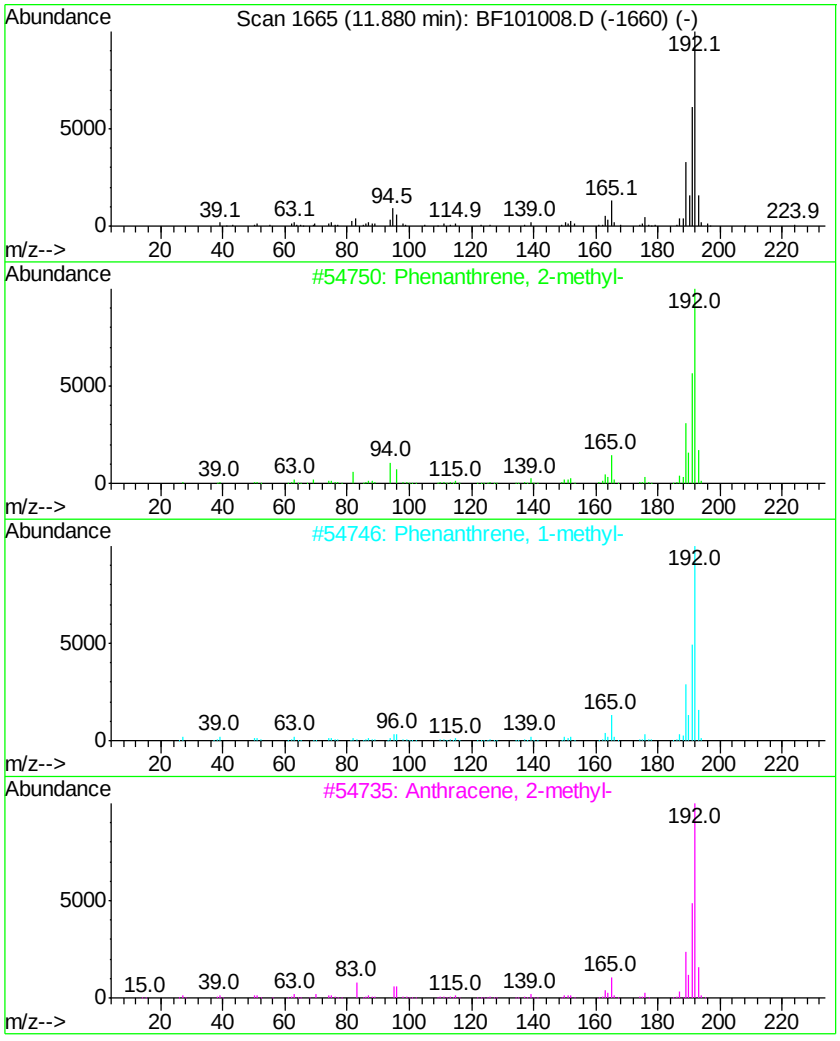
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

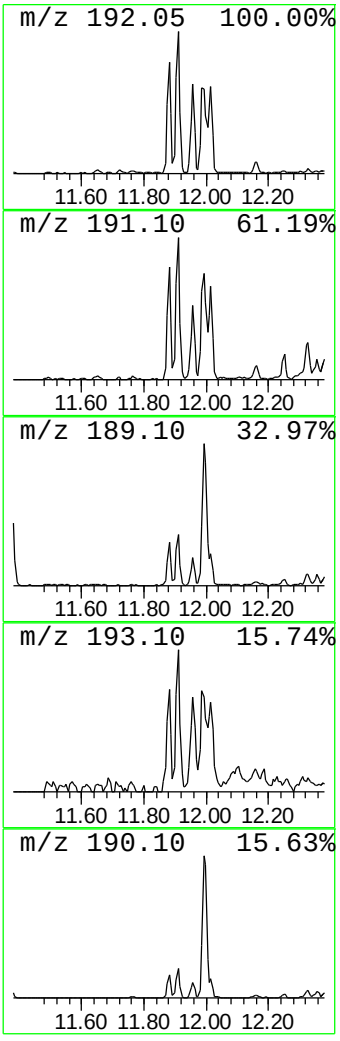
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	8.79 ng	141813	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

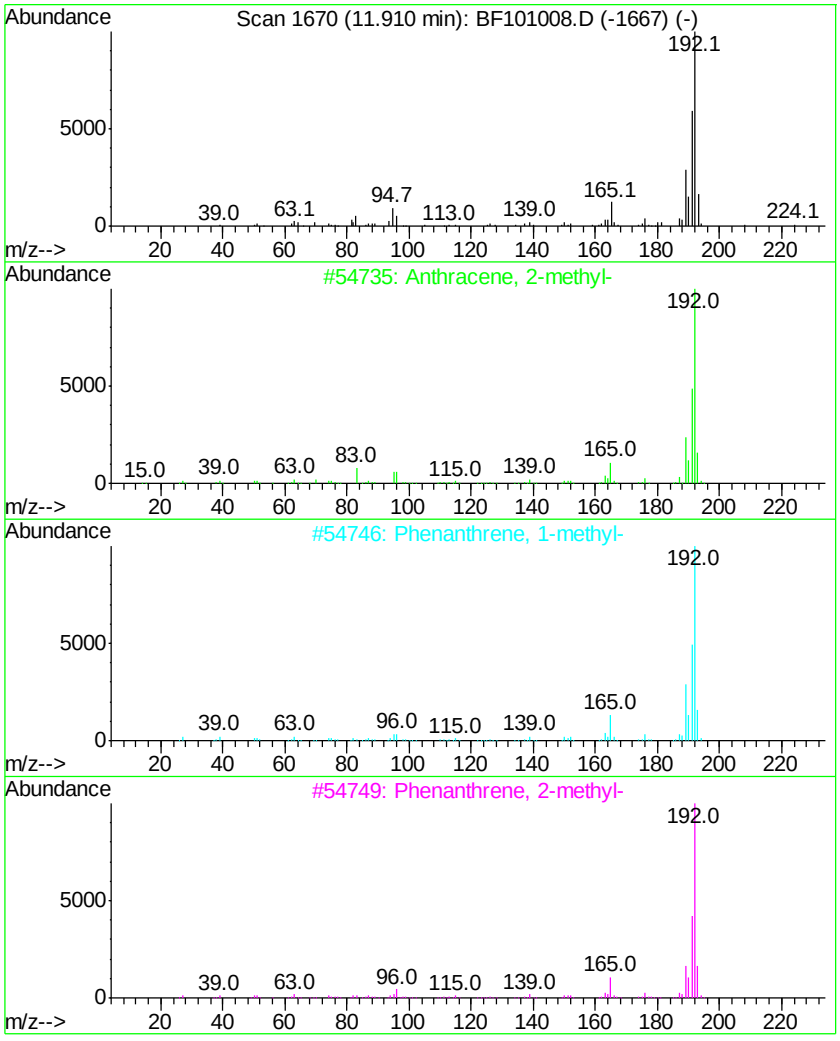
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

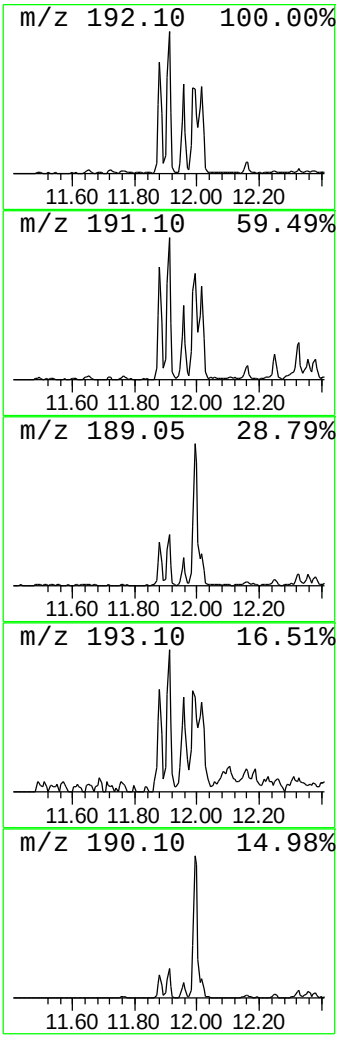
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	11.37 ng	183459	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

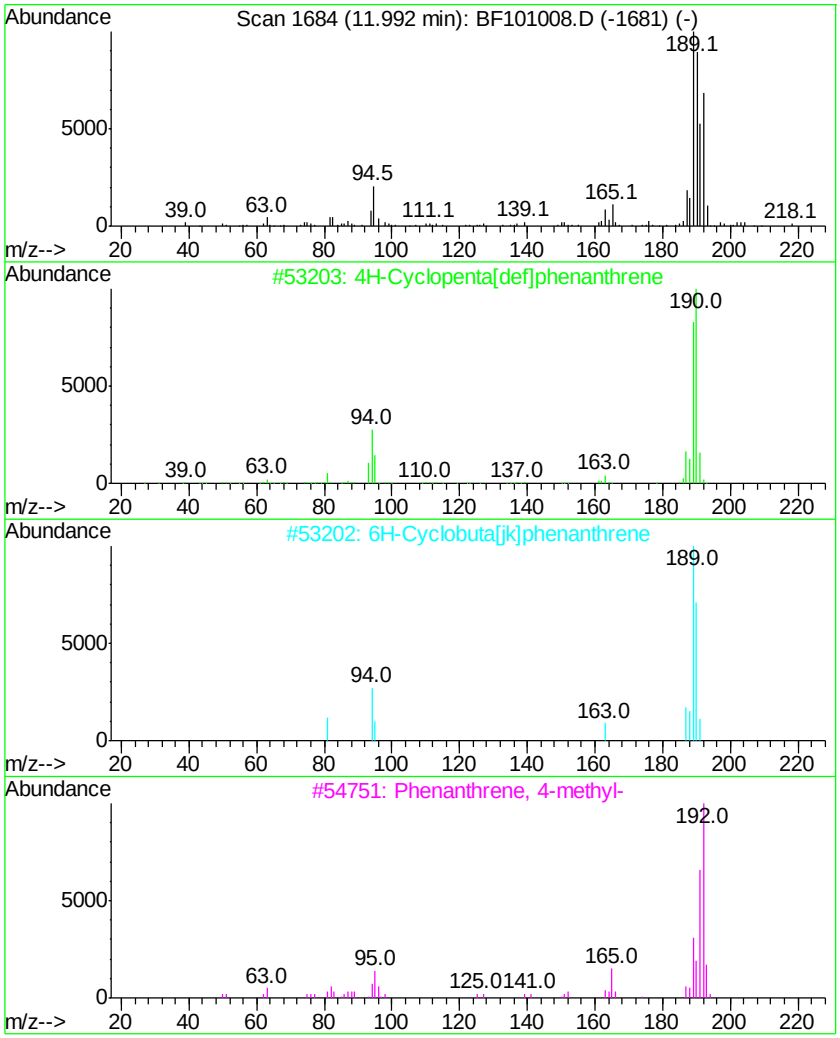
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

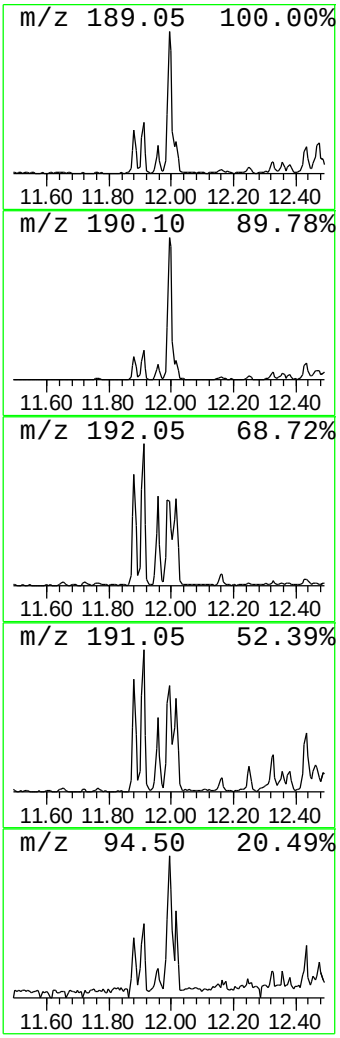
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	17.54 ng	282989	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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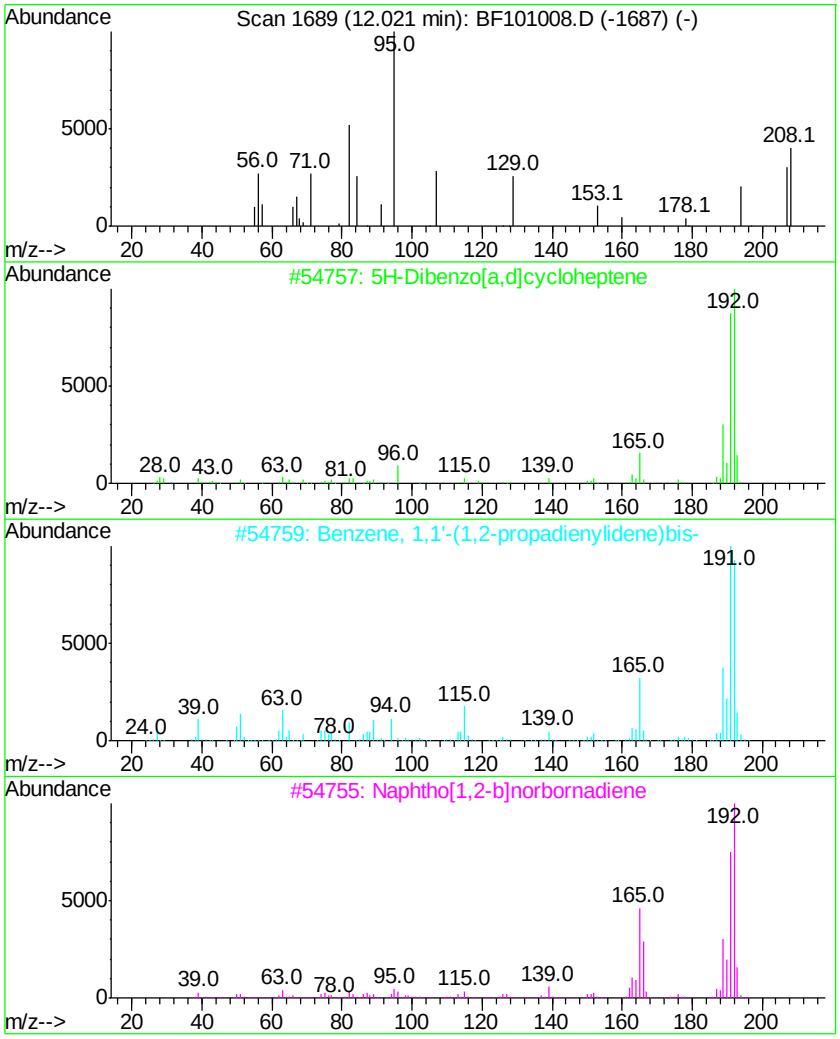
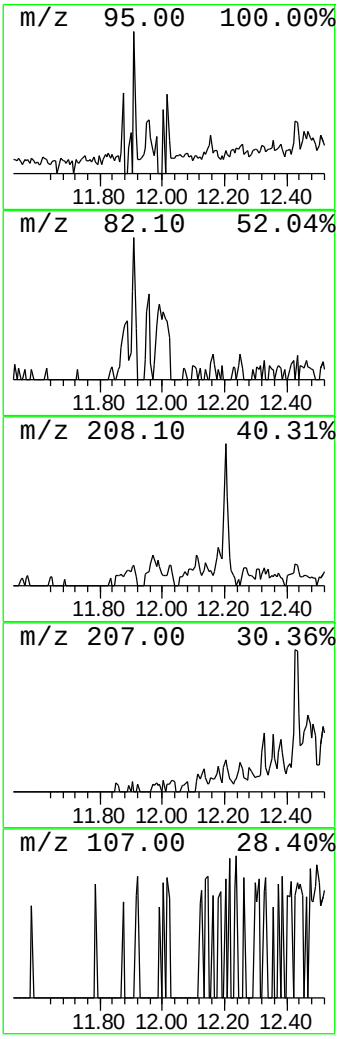
Peak Number 10 5H-Dibenzo[a,d]cycloheptene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.90 ng	62947	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	89
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	81
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	81
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	76





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Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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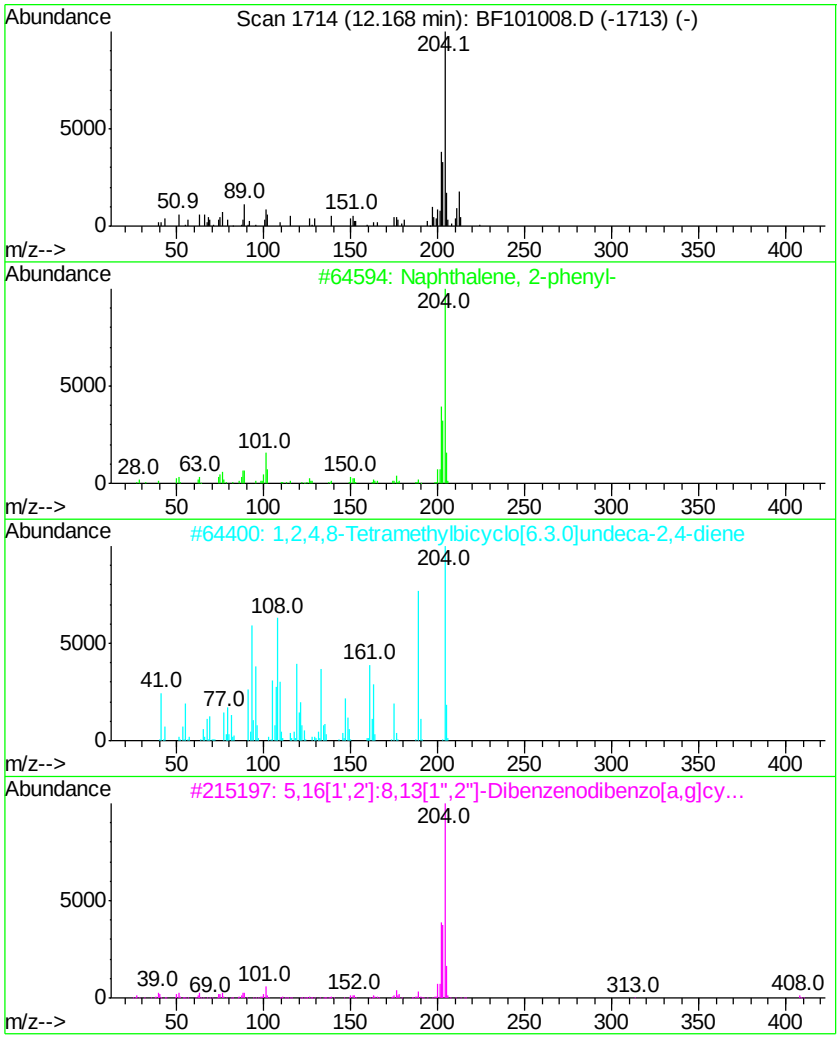
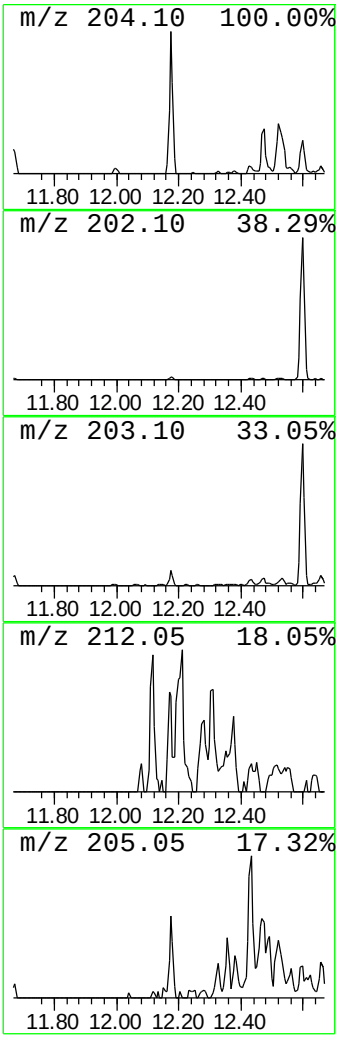
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	4.47 ng	72201	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Tetramisole	204	C11H12N2S	005036-02-2	53





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Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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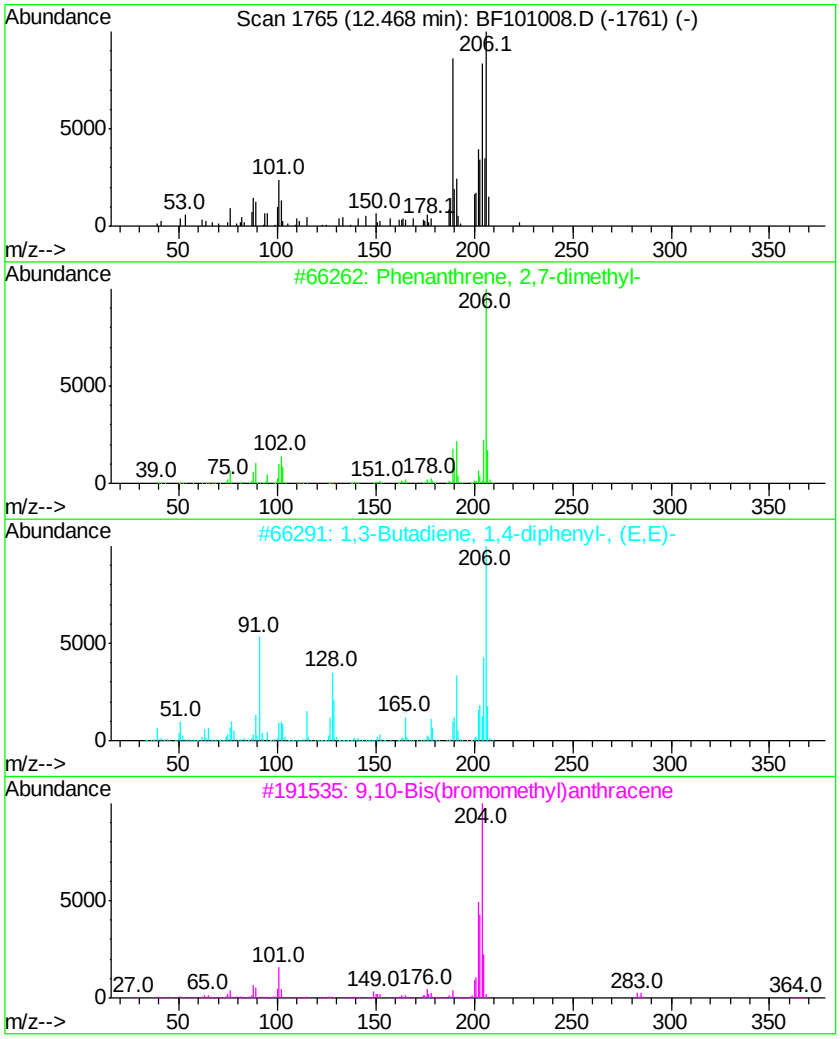
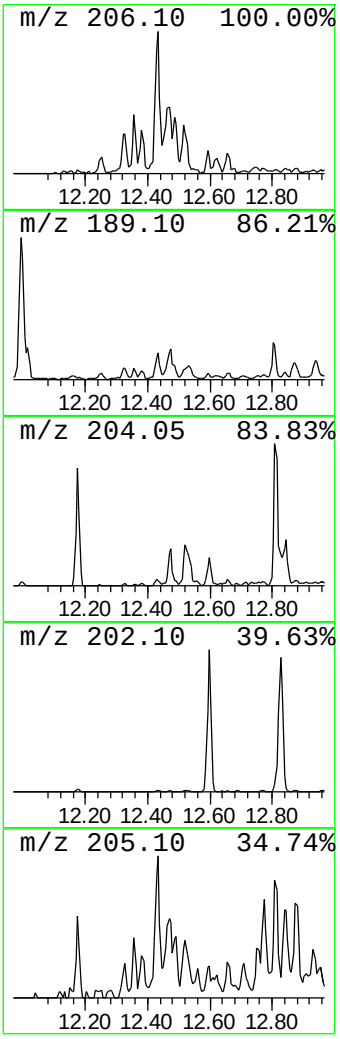
Peak Number 13 unknown12.47 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.51 ng	72809	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	35
5	Hydrazine, 4-bromo-2-fluorophenyl-	204	C6H6BrFN2	299440-17-8	35





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Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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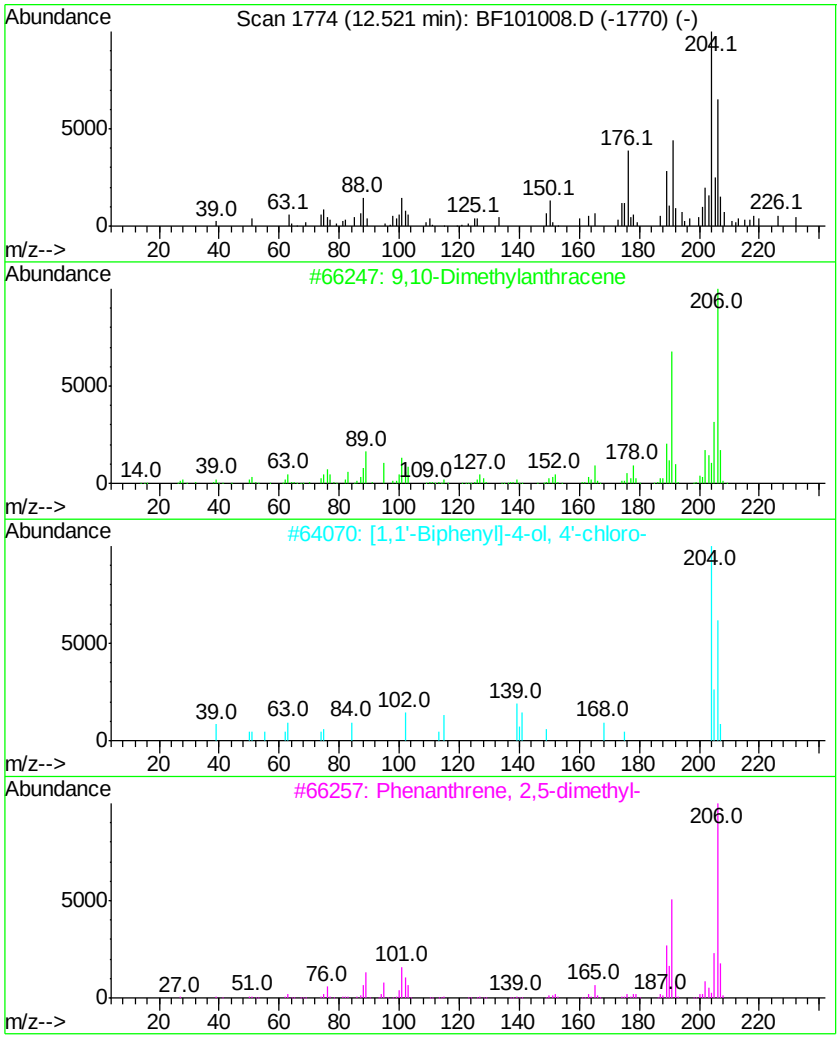
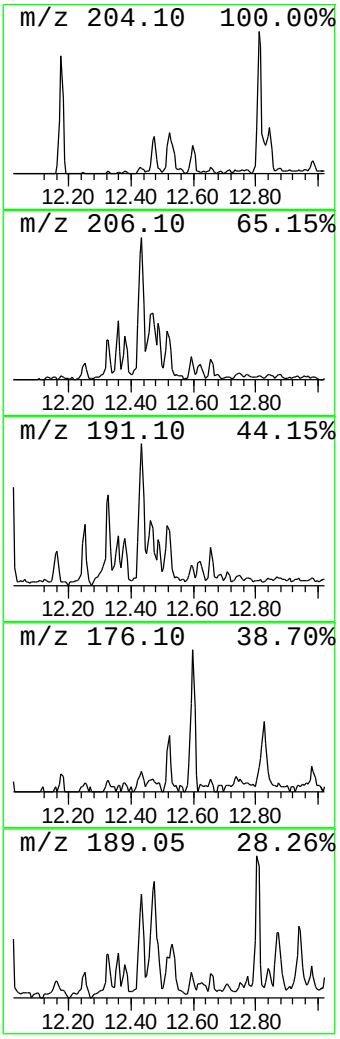
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.28 ng	85153	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	42
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	41





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Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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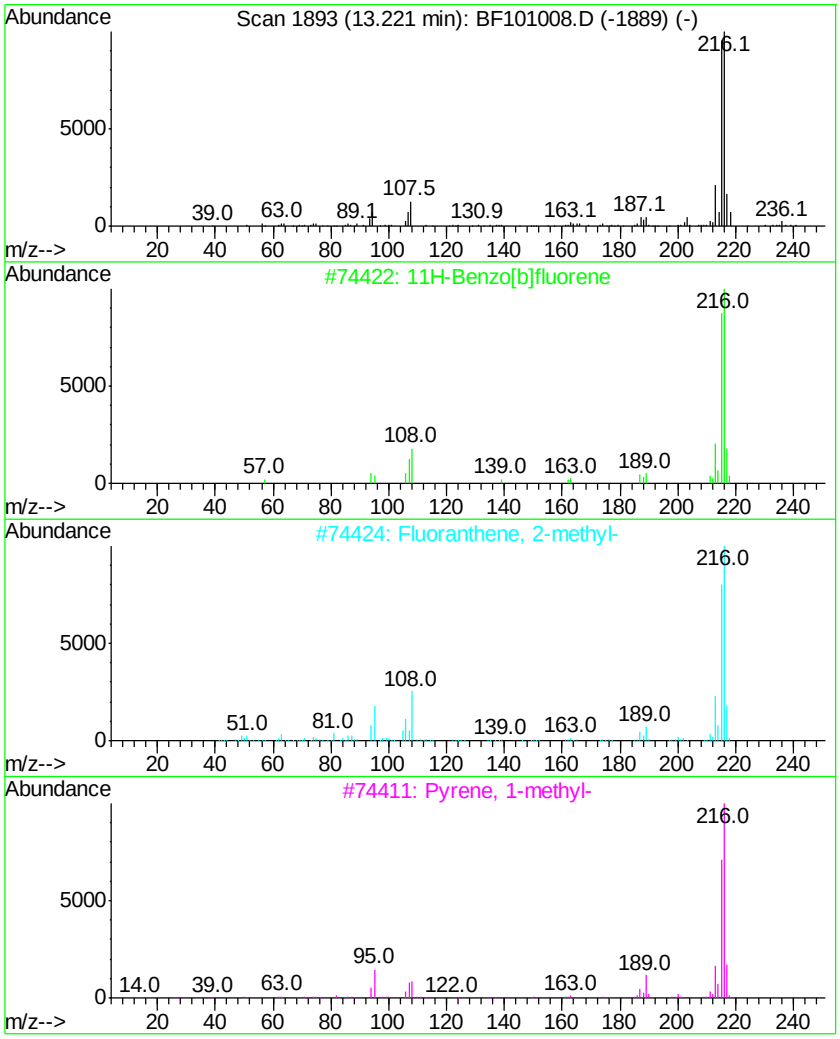
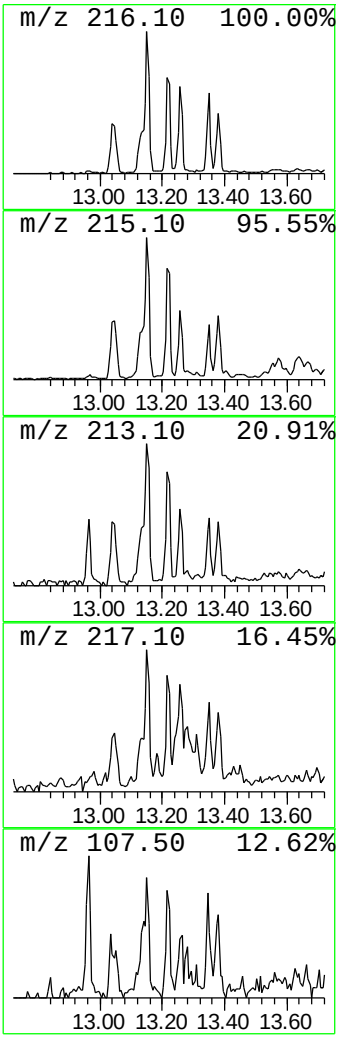
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.02 ng	139475	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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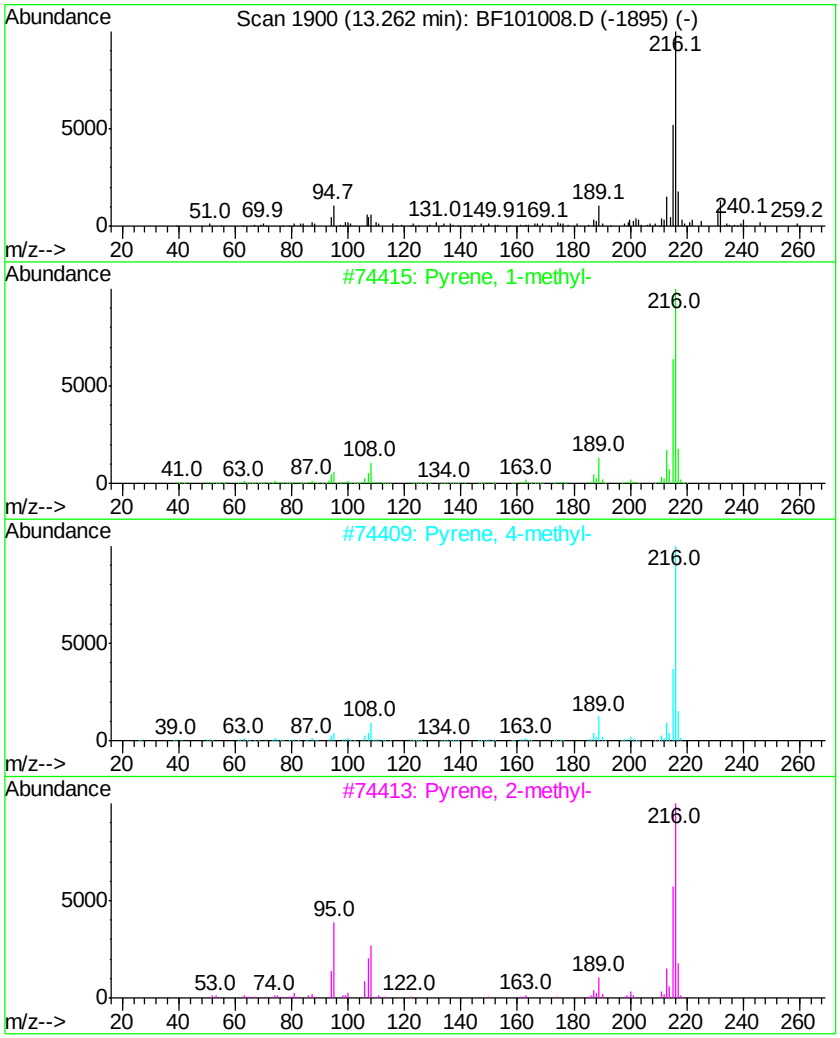
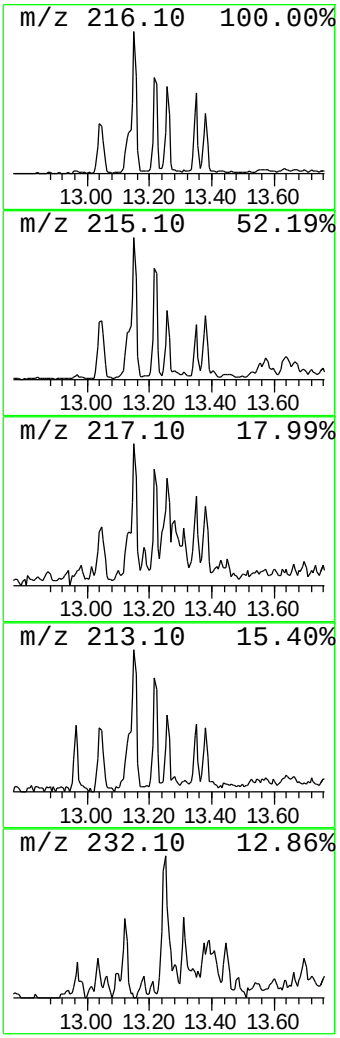
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.22 ng	148989	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





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Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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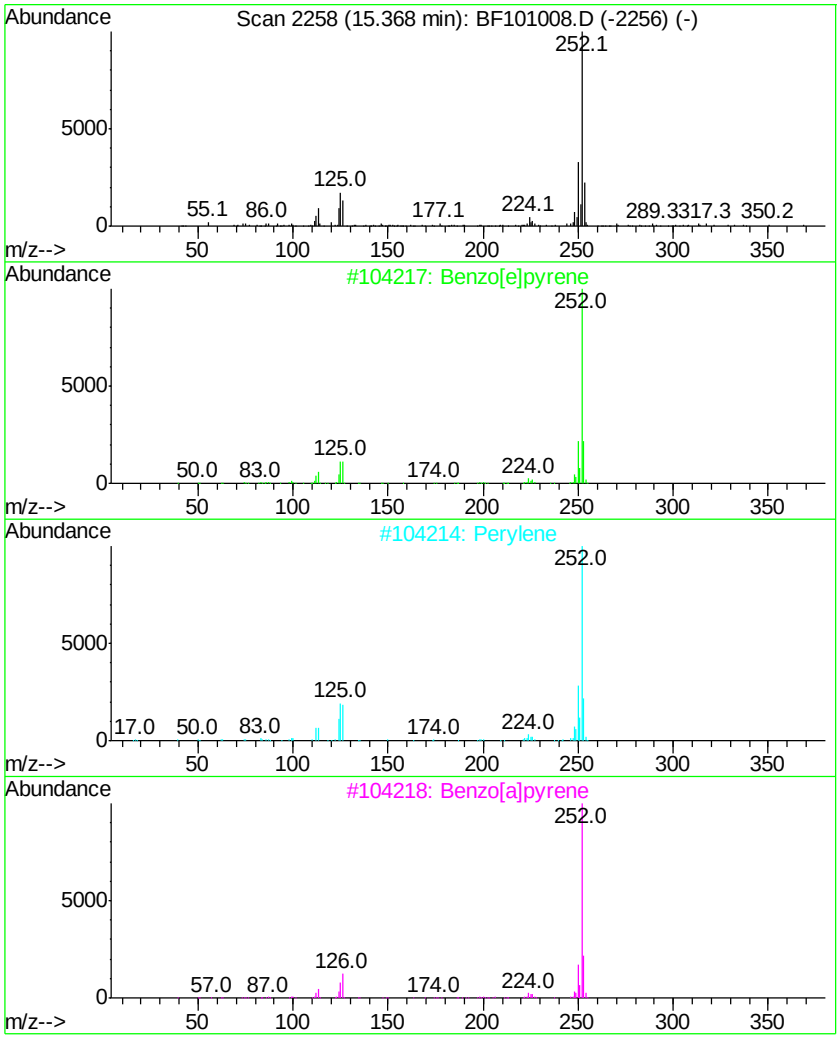
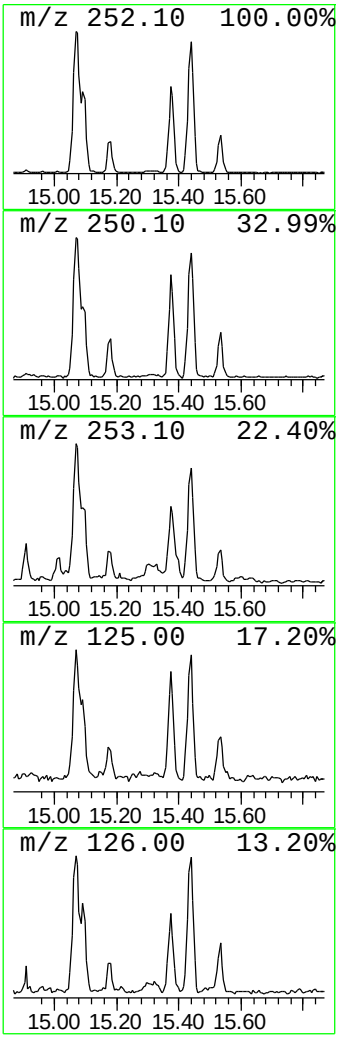
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	14.89 ng	224166	Perylene-d12	15.50

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





Tentatively Identified Compound (LSC) summary

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Data File : BF101008.D
Acq On : 30 Nov 2017 6:09
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-2-E(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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...	5.07	10.2	ng	156891	1	6.85	307391	20.0
unknown6.62	6.62	72.8	ng	1118770	1	6.85	307391	20.0
2-Hydroxy-iso-but...	8.69	3.0	ng	54173	2	8.13	356248	20.0
Benzophenone	10.60	13.7	ng	211585	3	9.89	307973	20.0
Phenanthrene, 2-m...	11.88	8.8	ng	141813	4	11.38	322696	20.0
Anthracene, 2-met...	11.91	11.4	ng	183459	4	11.38	322696	20.0
4H-Cyclopenta[def...	11.99	17.5	ng	282989	4	11.38	322696	20.0
5H-Dibenzo[a,d]cy...	12.02	3.9	ng	62947	4	11.38	322696	20.0
Naphthalene, 2-ph...	12.17	4.5	ng	72201	4	11.38	322696	20.0
unknown12.47	12.47	4.5	ng	72809	4	11.38	322696	20.0
9,10-Dimethylanth...	12.52	5.3	ng	85153	4	11.38	322696	20.0
11H-Benzo[b]fluorene	13.22	3.0	ng	139475	5	14.03	925078	20.0
Pyrene, 1-methyl-	13.26	3.2	ng	148989	5	14.03	925078	20.0
Benzo[e]pyrene	15.37	14.9	ng	224166	6	15.50	301129	20.0