LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098605.D
Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

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-BF091117.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	4.804	458	462	472	rBV	109926	156234	8.18%	0.506%
2	5.234	532	535	554	rBV	1740326	1805247	94.46%	5.843%
3	6.287	710	714	730	rBV	1908773	1828234	95.67%	5.917%
4	6.404	730	734	738	rBV	2288011	1887177	98.75%	6.108%
5	6.634	769	773	780	rBV	917549	816197	42.71%	2.642%
6	6.787	795	799	809	rBV	1595567	1312017	68.65%	4.246%
7	7.204	866	870	883	rBV	1221491	1135778	59.43%	3.676%
8	7.916	987	991	994	rBV	1355979	1076306	56.32%	3.483%
9	8.633	1110	1113	1116	rBV	47569	38939	2.04%	0.126%
10	8.728	1125	1129	1135	rVB	56467	53479	2.80%	0.173%
11	8.992	1170	1174	1177	rBV	2461660	1911042	100.00%	6.185%
12	9.257	1215	1219	1222	rBV2	30534	38203	2.00%	0.124%
13	9.328	1228	1231	1234	rBV	72037	69292	3.63%	0.224%
14	9.357	1234	1236	1239	rVV	36147	37535	1.96%	0.121%
15	9.392	1239	1242	1246	rVV	238673	204333	10.69%	0.661%
16	9.445	1249	1251	1255	rVB	36863	36632	1.92%	0.119%
17	9.528	1262	1265	1270	rBV	178808	150405	7.87%	0.487%
18	9.604	1275	1278	1280	rBV	34444	24966	1.31%	0.081%
19	9.669	1285	1289	1292	rVV	1213389	1107807	57.97%	3.585%
20	9.698	1292	1294	1299	rVB	95318	79324	4.15%	0.257%
21	9.869	1319	1323	1328	rVB	69572	68187	3.57%	0.221%
22	9.910	1328	1330	1335	rVB2	39756	37674	1.97%	0.122%
23	9.980	1339	1342	1345	rBV	42146	45132	2.36%	0.146%
24	10.069	1354	1357	1359	rBV2	27979	35055	1.83%	0.113%
25	10.098	1359	1362	1364	rVB2	39630	36401	1.90%	0.118%
26	10.210	1378	1381	1388	rVB	123988	141052	7.38%	0.457%
27	10.275	1388	1392	1394	rBV4	23256	31507	1.65%	0.102%
28	10.322	1398	1400	1402	rVV	42943	36053	1.89%	0.117%
29	10.369	1405	1408	1412	rVB2	46584	51934	2.72%	0.168%
30	10.457	1419	1423	1427	rBV	1121683	970192	50.77%	3.140%
31	10.575	1439	1443	1451	rVB4	72364	116913	6.12%	0.378%
32	10.763	1470	1475	1477	rBV3	50711	58961	3.09%	0.191%
33	10.786	1477	1479	1482	rVB	31175	25373	1.33%	0.082%
34	10.845	1485	1489	1491	rVB3	22634	24654	1.29%	0.080%

LSC Area Percent Report

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Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

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-BF091117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.886	1491	1496	1498	rBV3	32100	38215	2.00%	0.124%
36	10.963	1506	1509	1512	rVV	51148	48682	2.55%	0.158%
37	10.998	1512	1515	1517	rVV2	30333	37950	1.99%	0.123%
38	11.022	1517	1519	1521	rVV2	56053	51822	2.71%	0.168%
39	11.045	1521	1523	1528	rVB2	114812	111160	5.82%	0.360%
40	11.145	1537	1540	1542	rBV	1007652	943602	49.38%	3.054%
41	11.175	1542	1545	1548	rVV	1162774	1019756	53.36%	3.300%
42	11.222	1548	1553	1557	rVB	266546	240728	12.60%	0.779%
43	11.263	1557	1560	1563	rBV3	32105	41433	2.17%	0.134%
44	11.386	1577	1581	1586	rBV2	80129	105119	5.50%	0.340%
45	11.445	1588	1591	1593	rVV	79161	72129	3.77%	0.233%
46	11.480	1594	1597	1602	rVB2	52937	74563	3.90%	0.241%
47	11.563	1606	1611	1615	rVB4	37628	58280	3.05%	0.189%
48	11.610	1616	1619	1622	rBV4	26562	31265	1.64%	0.101%
49	11.651	1622	1626	1628	rBV	209444	200665	10.50%	0.649%
50	11.674	1628	1630	1634	rVB	244083	222913	11.66%	0.721%
51	11.727	1635	1639	1641	rBV	75472	77248	4.04%	0.250%
52	11.757	1641	1644	1647	rVV	335505	336957	17.63%	1.091%
53	11.780	1647	1648	1653	rVB	164008	122674	6.42%	0.397%
54	11.833	1653	1657	1658	rBV3	29418	35307	1.85%	0.114%
55	11.851	1658	1660	1663	rVB2	50475	41900	2.19%	0.136%
56	11.945	1672	1676	1679	rBV	125741	121124	6.34%	0.392%
57	11.980	1679	1682	1685	rVB2	129496	113127	5.92%	0.366%
58	12.074	1695	1698	1699	rBV2	38809	33743	1.77%	0.109%
59	12.092	1699	1701	1704	rVV	48967	43215	2.26%	0.140%
60	12.121	1704	1706	1709	rVV	74148	73109	3.83%	0.237%
61	12.145	1709	1710	1713	rVB2	53065	44207	2.31%	0.143%
62	12.198	1715	1719	1721	rBV	179679	177841	9.31%	0.576%
63	12.233	1721	1725	1727	rVV3	143661	178440	9.34%	0.578%
64	12.292	1731	1735	1738	rBV3	124645	159652	8.35%	0.517%
65	12.363	1743	1747	1750	rVV	1543288	1437569	75.22%	4.653%
66	12.404	1752	1754	1756	rVV	45985	38289	2.00%	0.124%
67	12.457	1760	1763	1767	rVV	74411	79565	4.16%	0.258%
68	12.504	1769	1771	1775	rVV3	87213	111467	5.83%	0.361%
69	12.586	1779	1785	1788	rVV	1486113	1467220	76.78%	4.749%
70	12.610	1788	1789	1791	rVV	109753	61102	3.20%	0.198%
71	12.645	1791	1795	1798	rVB2	69035	87535	4.58%	0.283%

LSC Area Percent Report

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Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

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-BF091117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.727	1806	1809	1813	rBV	1314505	1197169	62.64%	3.875%
73	12.804	1818	1822	1827	rBV2	122692	205158	10.74%	0.664%
74	12.892	1834	1837	1838	rBV2	112525	115492	6.04%	0.374%
75	12.916	1838	1841	1844	rVB	233344	237094	12.41%	0.767%
76	12.980	1847	1852	1855	rVV2	144554	191334	10.01%	0.619%
77	13.016	1855	1858	1866	rVB2	166116	213635	11.18%	0.691%
78	13.110	1871	1874	1877	rVB	105333	87029	4.55%	0.282%
79	13.139	1877	1879	1882	rBV	109338	110733	5.79%	0.358%
80	13.427	1926	1928	1931	rVB	99684	89714	4.69%	0.290%
81	13.533	1944	1946	1948	rBV	120519	94316	4.94%	0.305%
82	13.557	1948	1950	1952	rVB	88452	65408	3.42%	0.212%
83	13.586	1952	1955	1956	rBV	70324	60630	3.17%	0.196%
84	13.639	1961	1964	1966	rVB2	159745	155334	8.13%	0.503%
85	13.780	1984	1988	1991	rBV2	927664	1315122	68.82%	4.256%
86	13.810	1991	1993	2001	rVB	632665	532676	27.87%	1.724%
87	14.798	2157	2161	2168	rVB	488546	801062	41.92%	2.593%
88	15.068	2204	2207	2213	rVB	253173	276531	14.47%	0.895%
89	15.127	2214	2217	2222	rVB	418409	521272	27.28%	1.687%
90	15.186	2223	2227	2230	rBV	490696	629724	32.95%	2.038%
91	16.521	2451	2454	2468	rVB3	165981	410240	21.47%	1.328%

Sum of corrected areas: 30897481

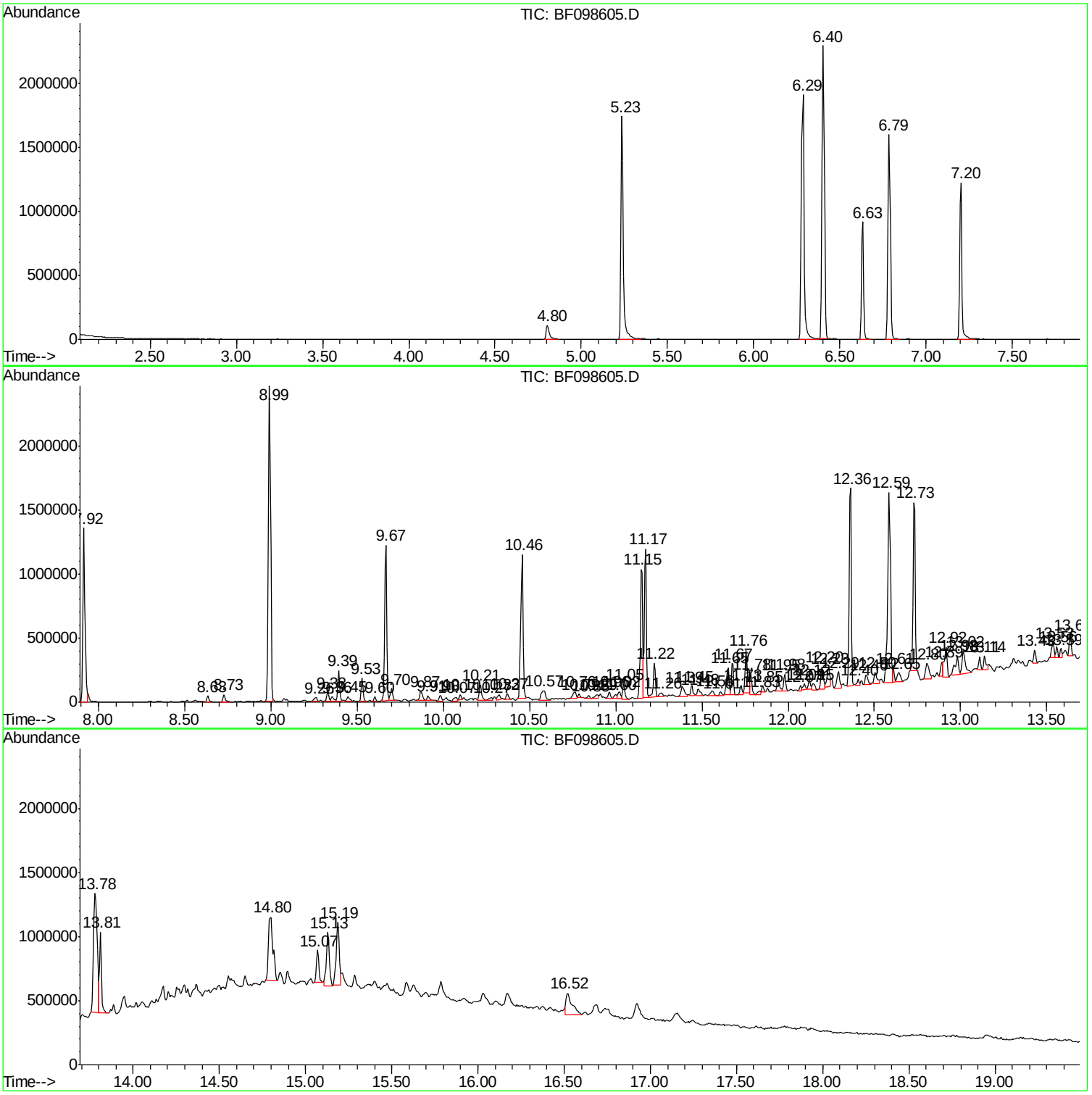
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098605.D
Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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\BF091817\
Data File : BF098605.D
Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

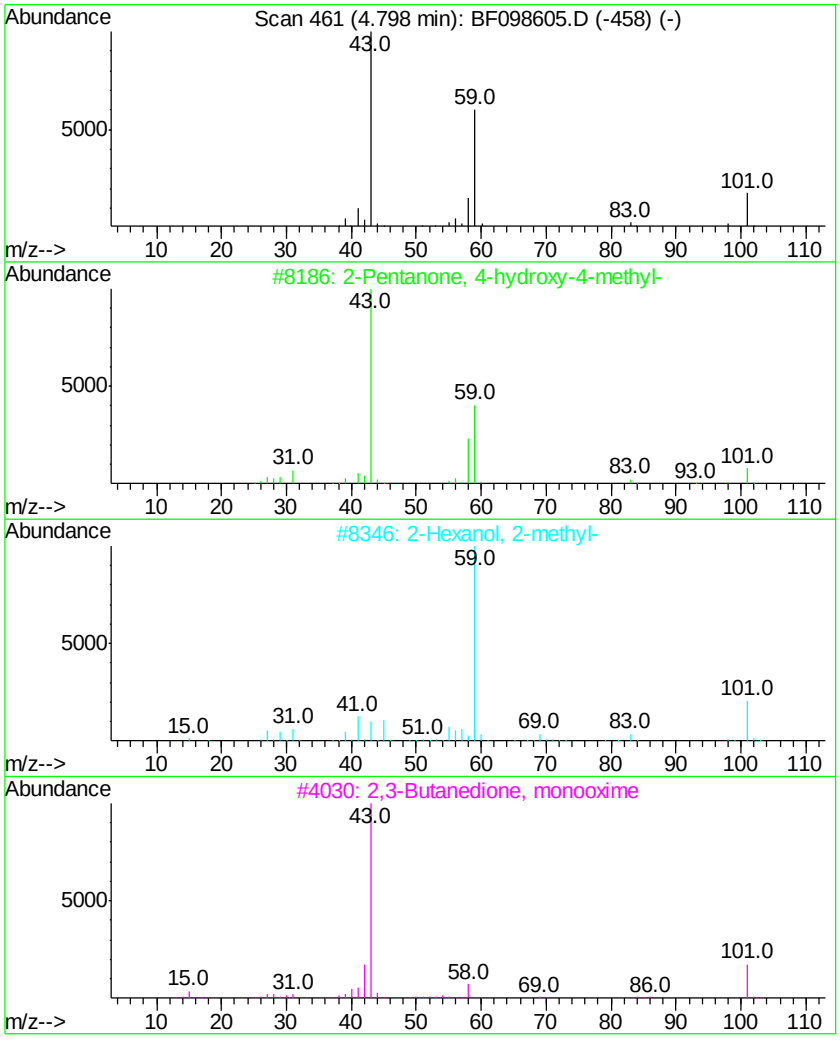
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

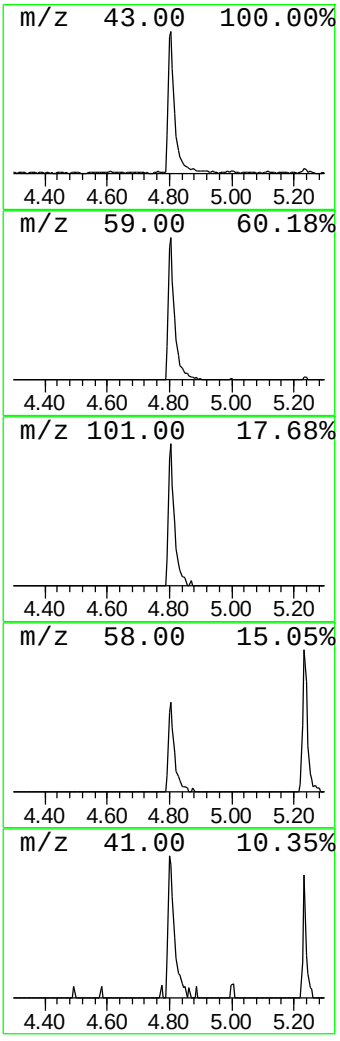
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	3.83 ng	156234	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098605.D
Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

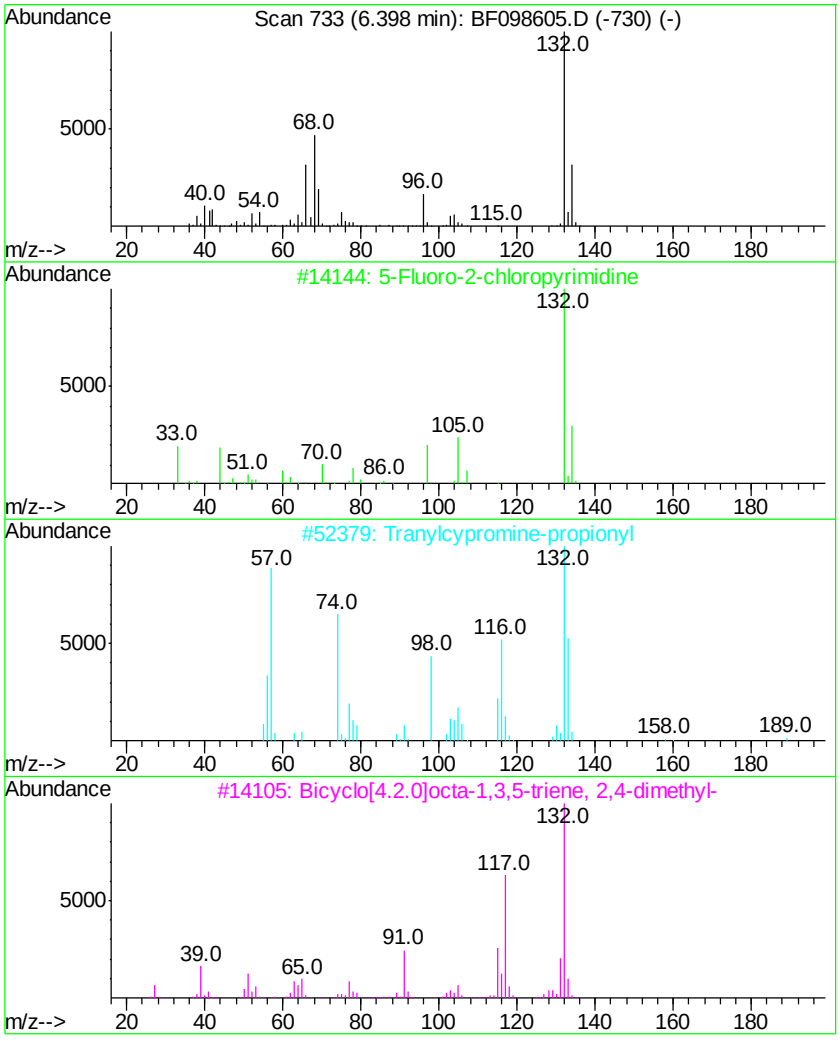
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

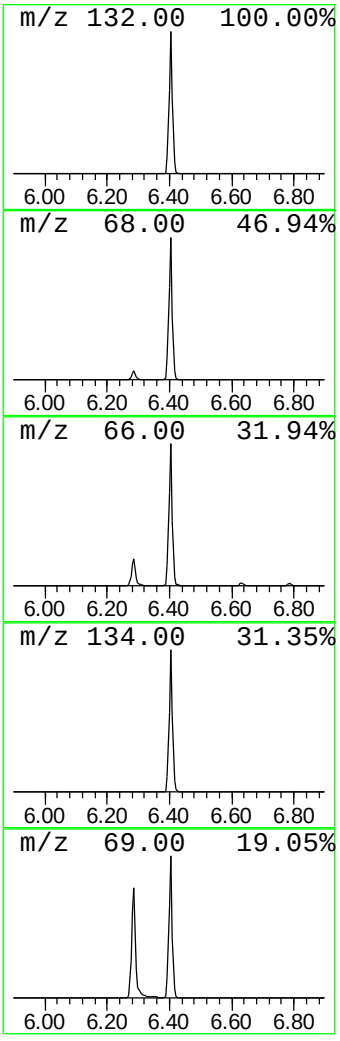
****

Peak Number 2 unknown6.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	46.24 ng	1887180	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

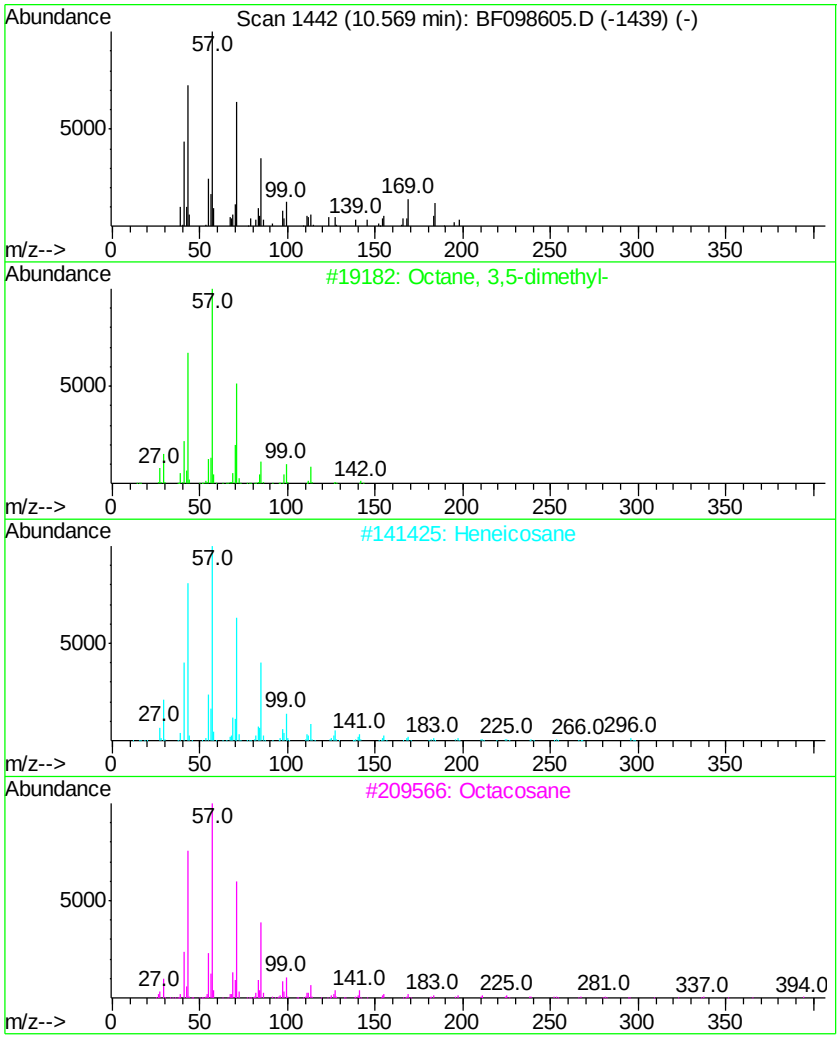
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

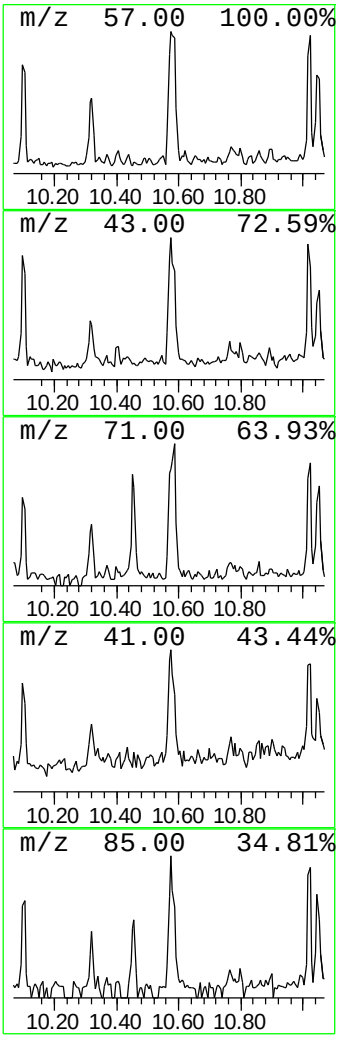
****

Peak Number 4 Octane, 3,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	2.48 ng	116913	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	60
2	Heneicosane	296	C21H44	000629-94-7	58
3	Octacosane	394	C28H58	000630-02-4	58
4	Octadecane	254	C18H38	000593-45-3	58
5	Heptacosane	380	C27H56	000593-49-7	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098605.D
Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

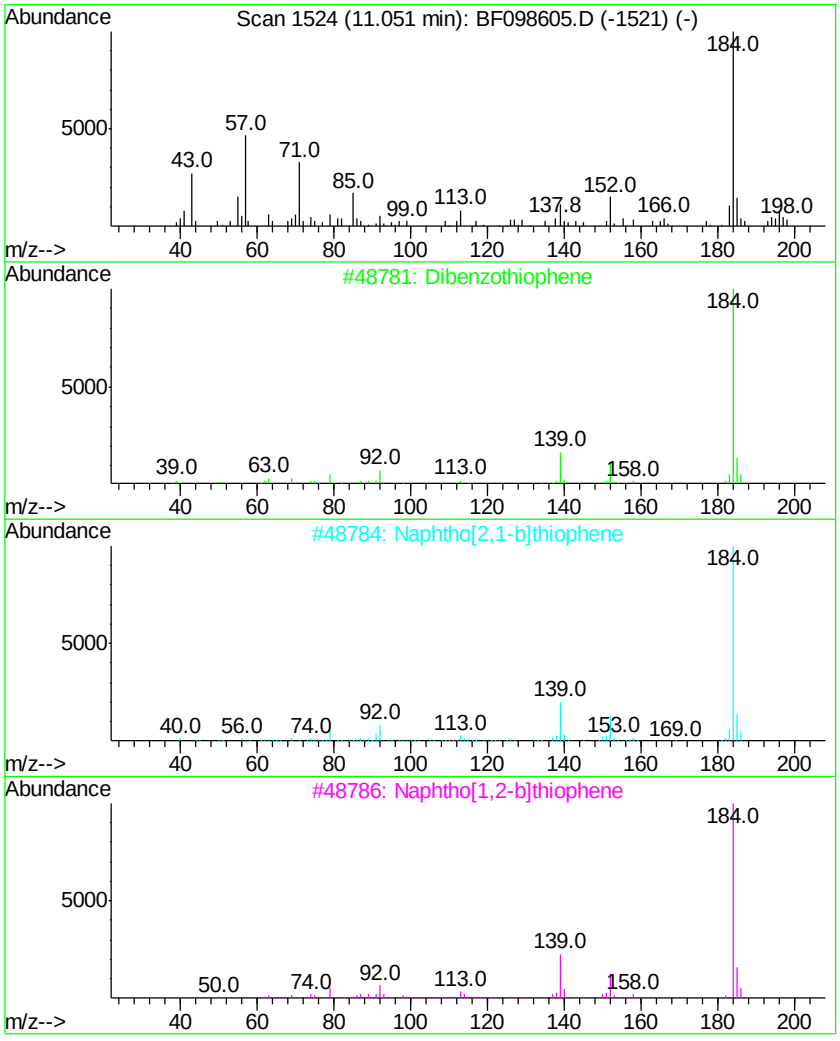
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

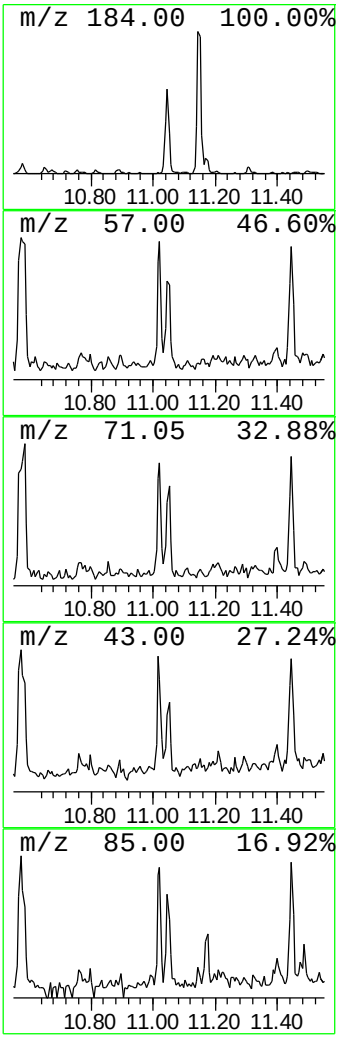
****

Peak Number 5 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	2.36 ng	111160	Phenanthrene-d10	11.15

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





Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098605.D
Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

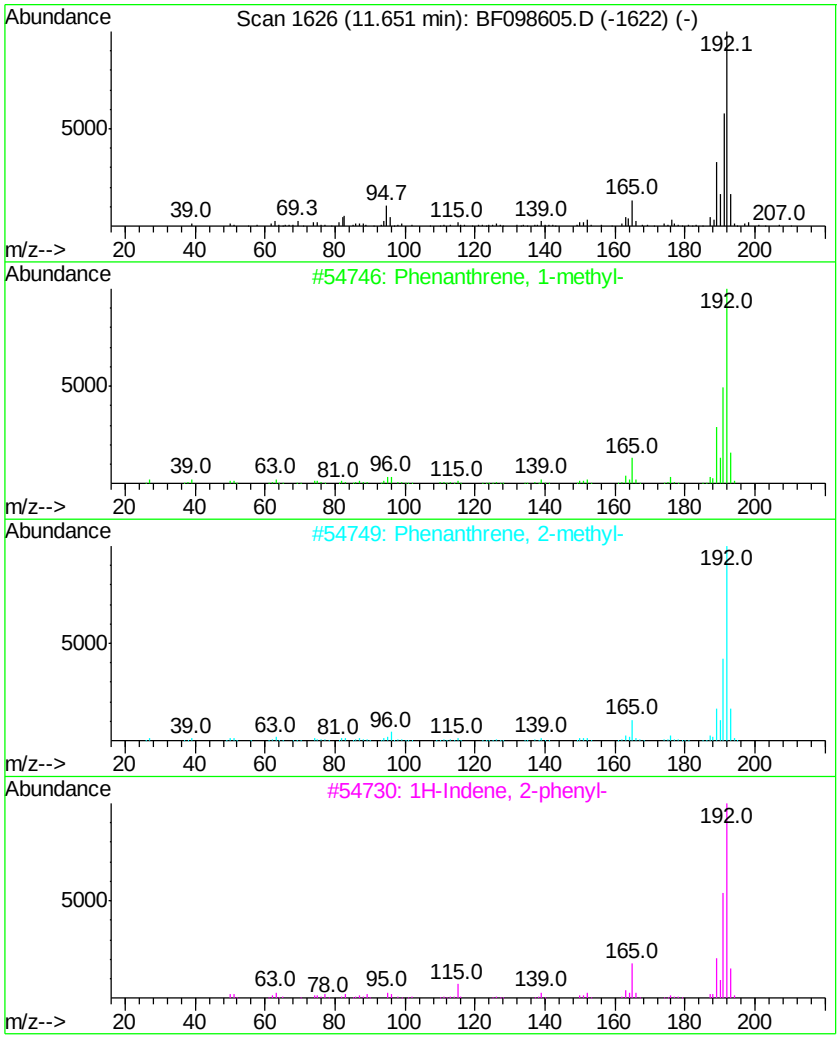
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

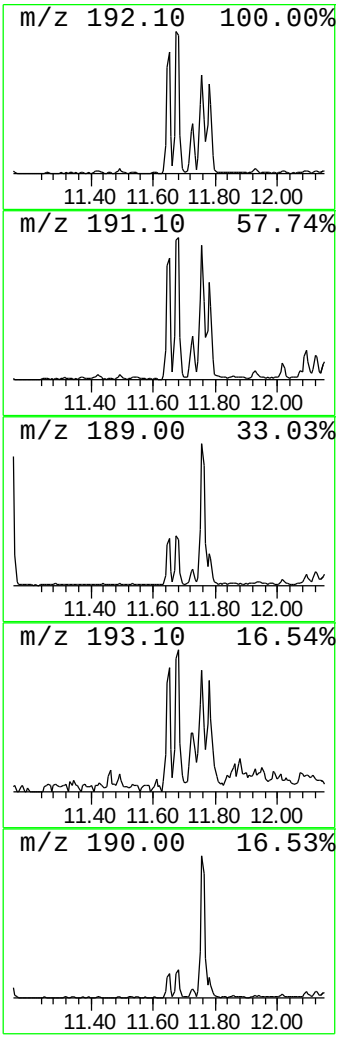
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	4.25 ng	200665	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098605.D
Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

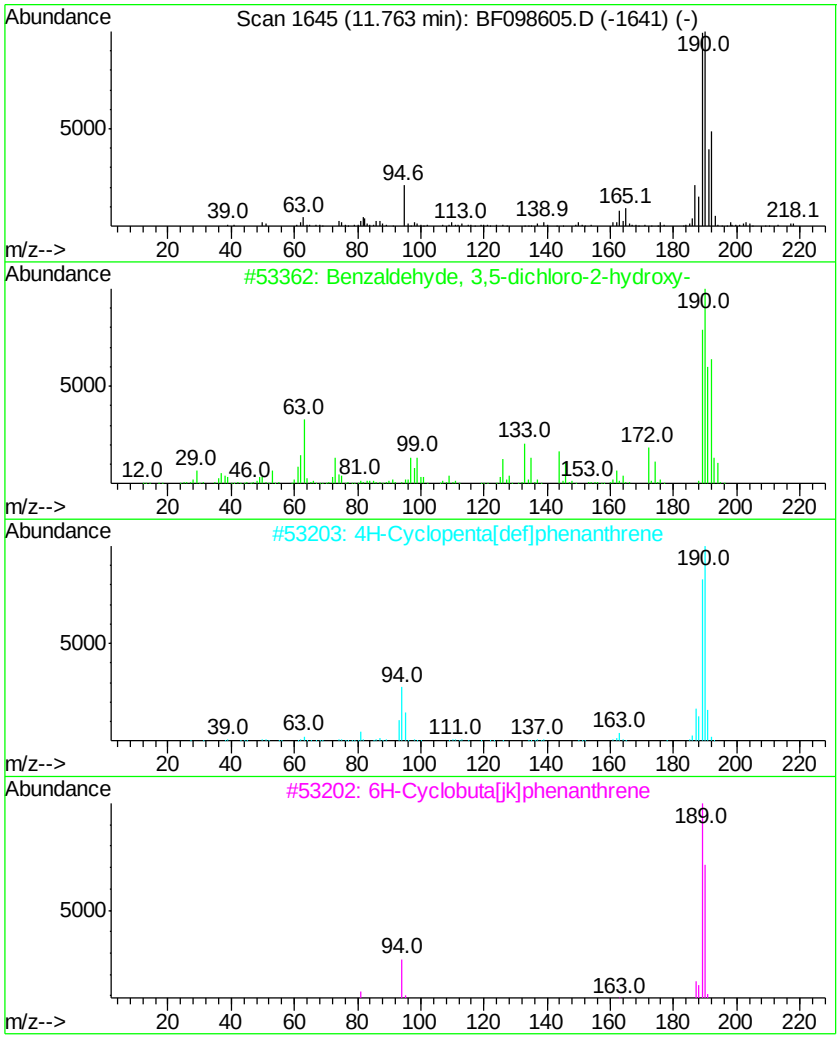
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

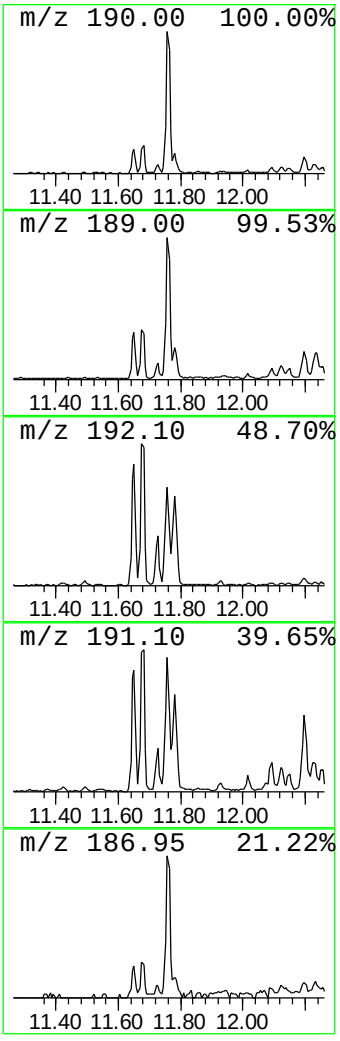
****

Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	7.14 ng	336957	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

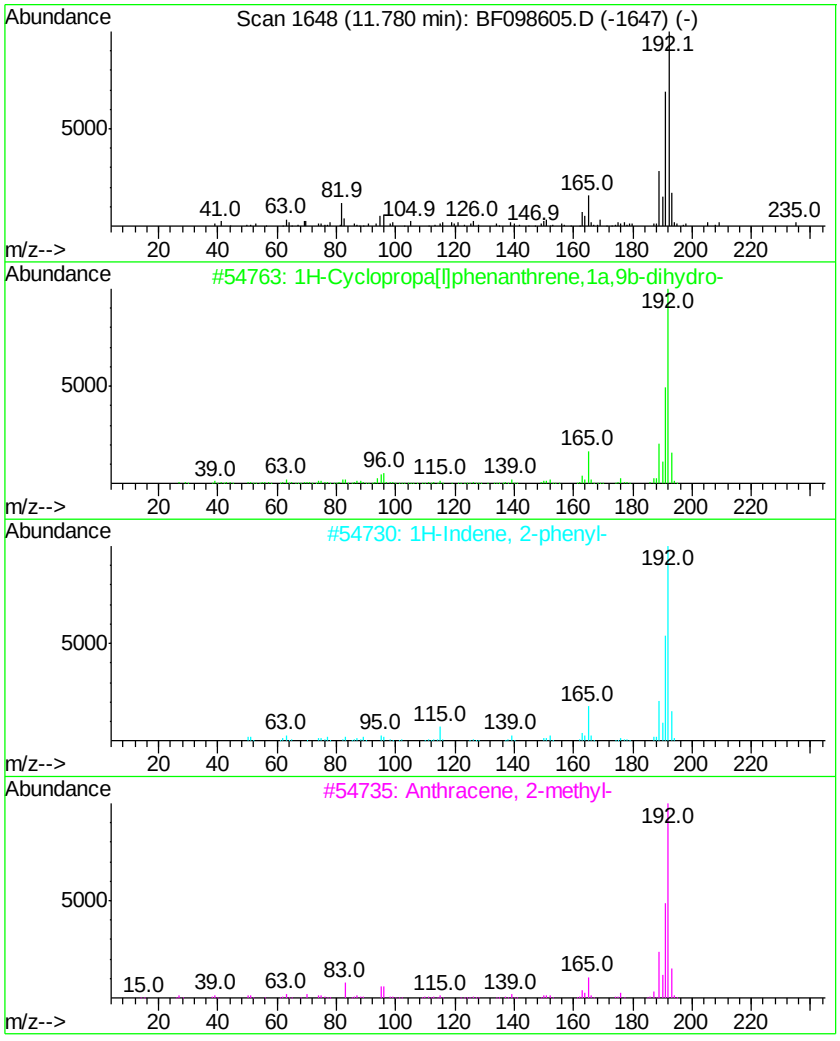
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

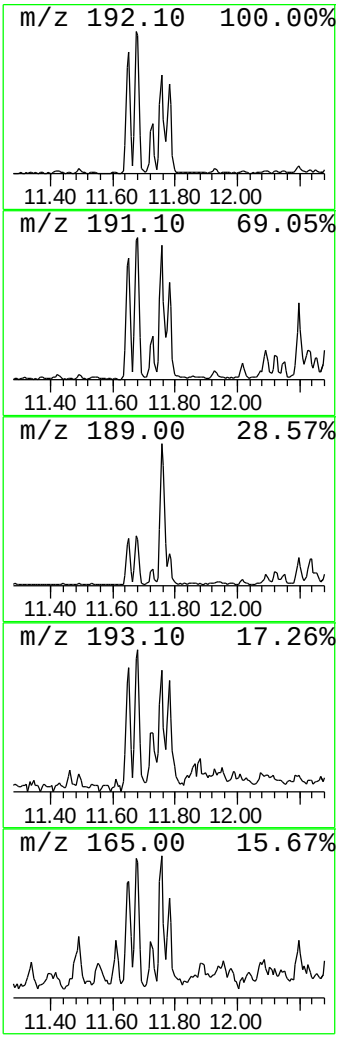
****

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	2.60 ng	122674	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Misc :
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ClientSampleId : OK-01-091417

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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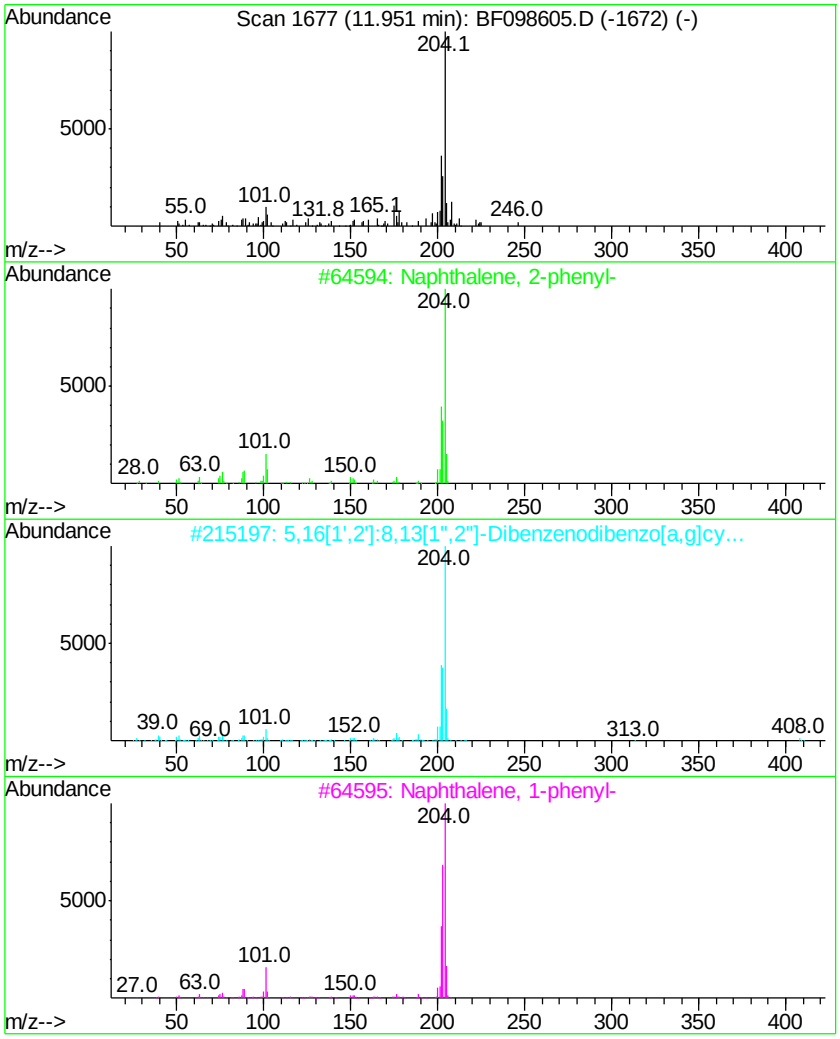
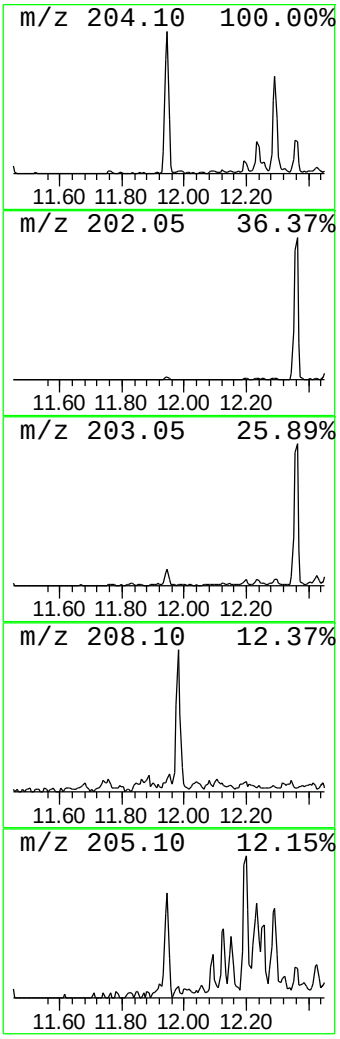
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.57 ng	121124	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	60
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	58





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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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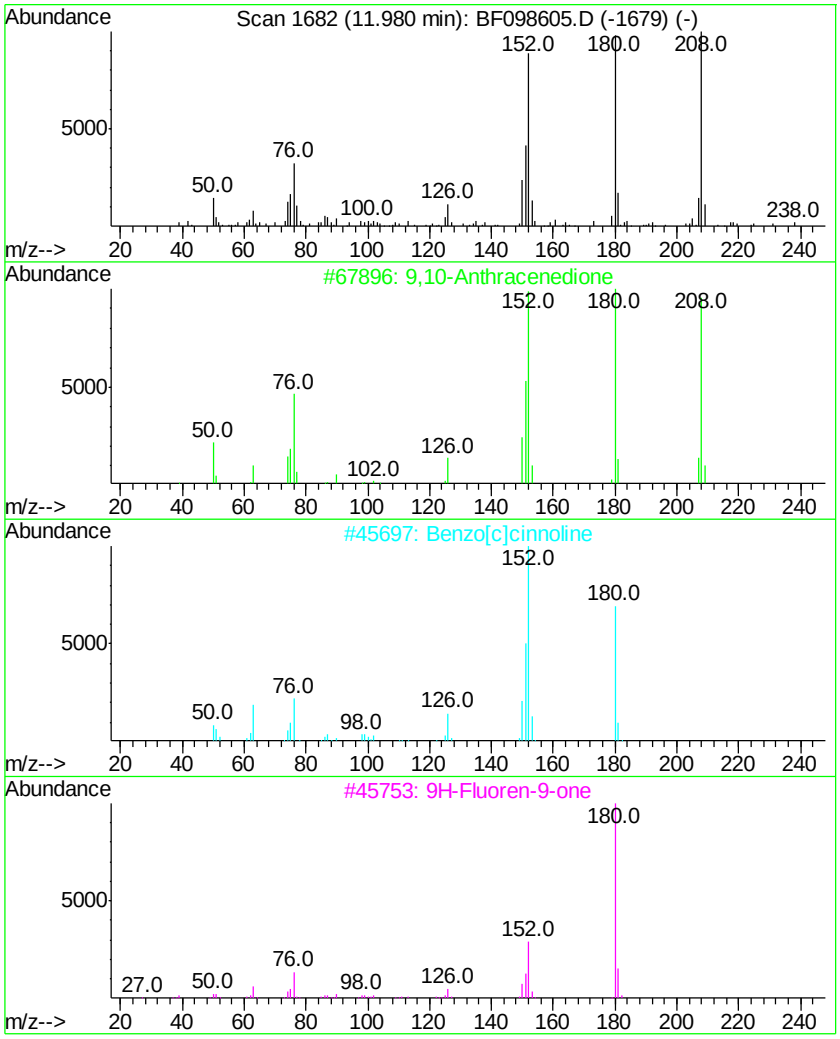
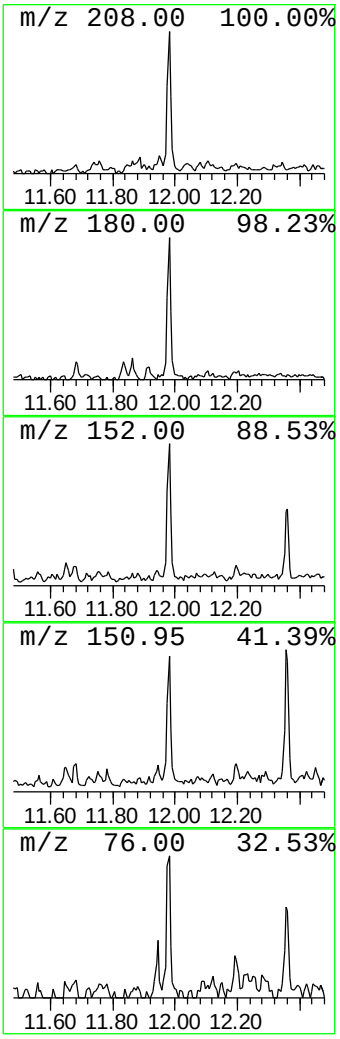
Peak Number 11 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.40 ng	113127	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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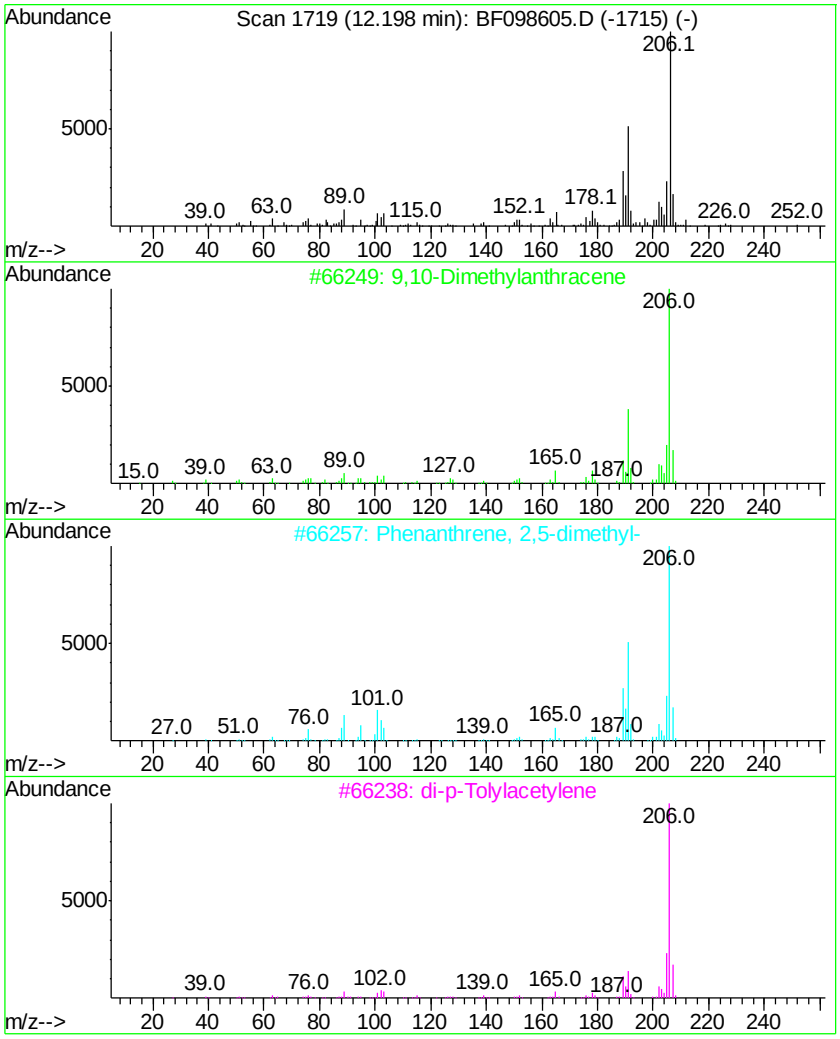
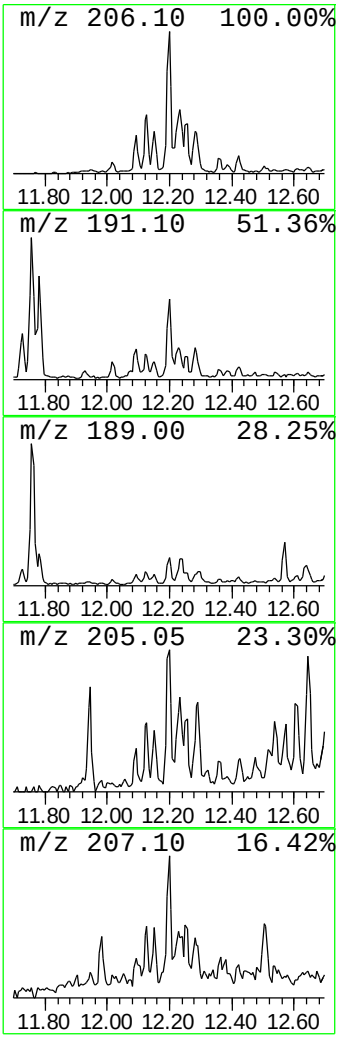
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.77 ng	177841	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

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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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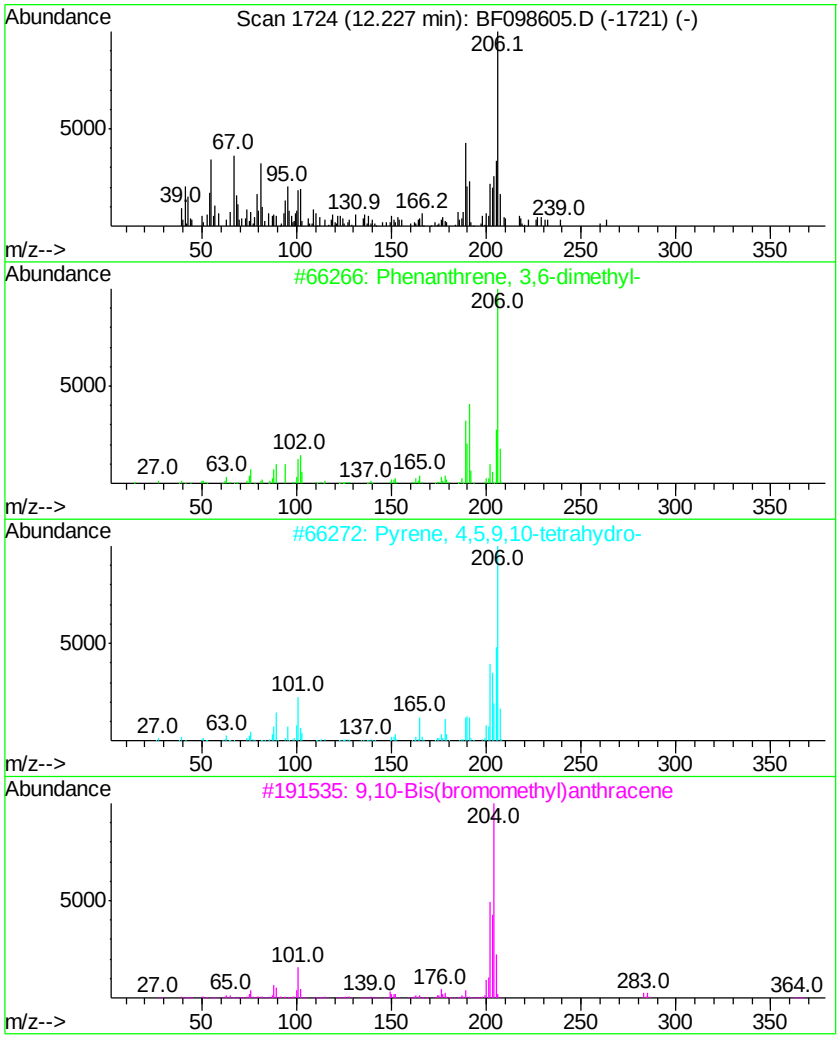
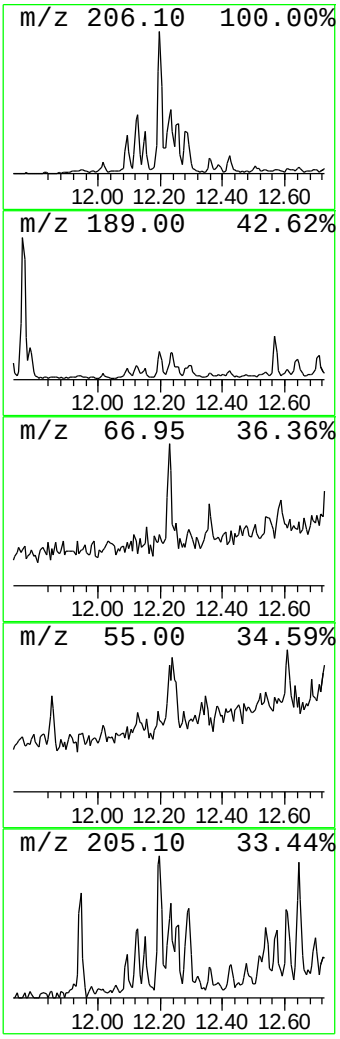
Peak Number 13 unknown12.23 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	3.78 ng	178440	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	22
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	22
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	15





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Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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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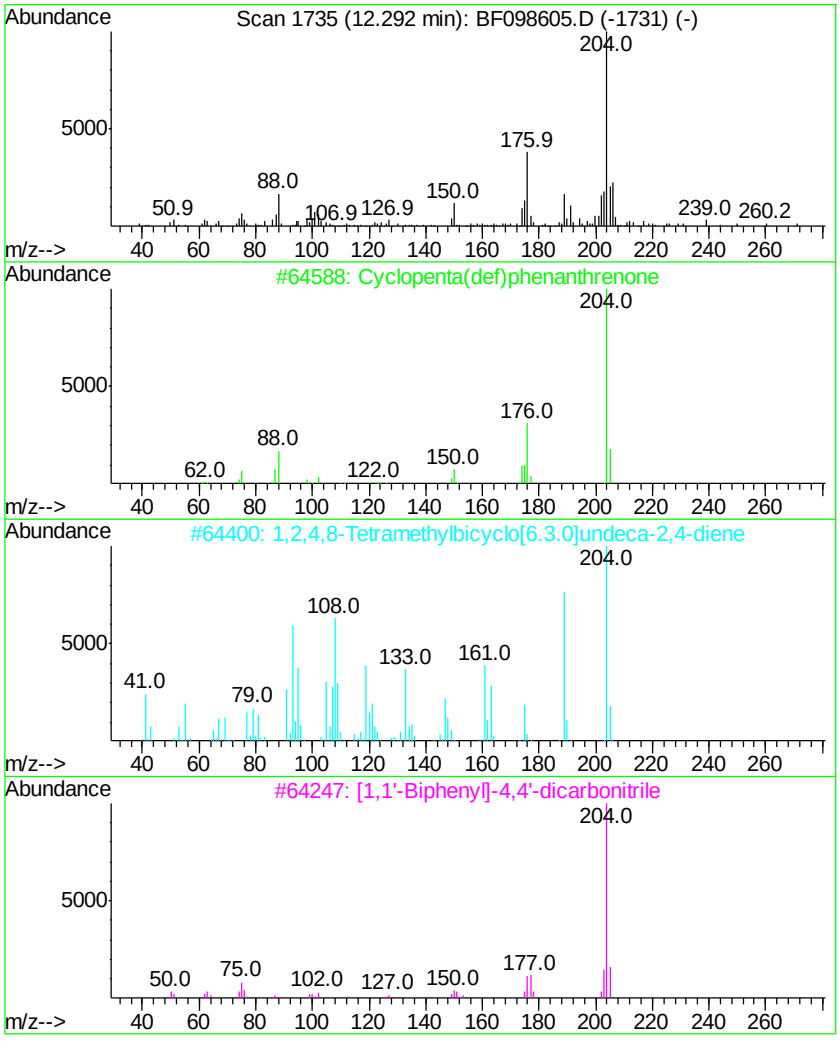
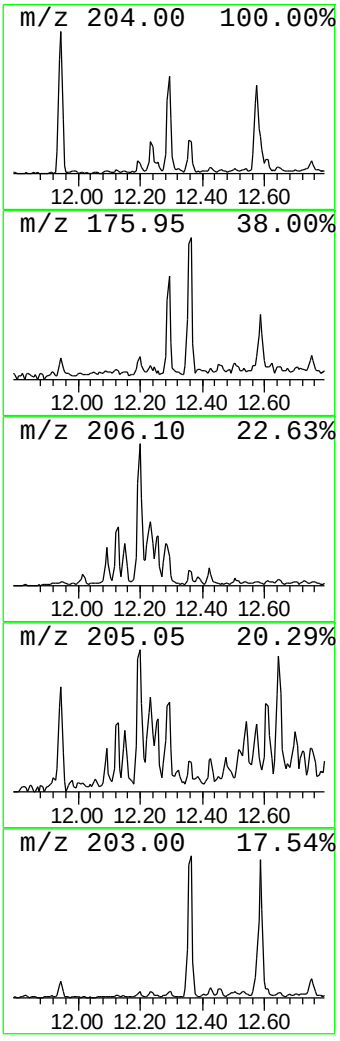
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.38 ng	159652	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47





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Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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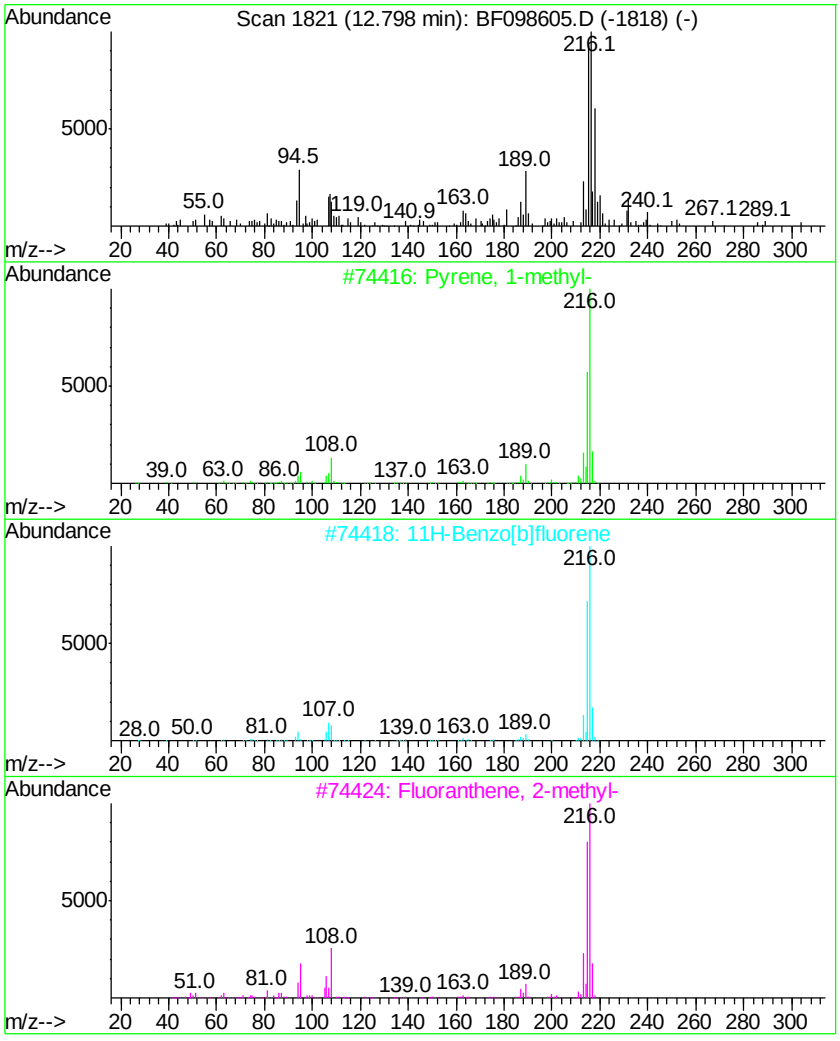
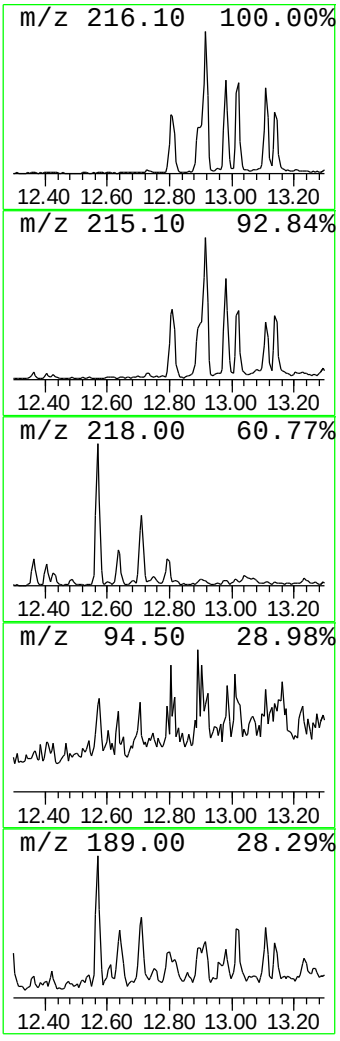
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	3.12 ng	205158	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

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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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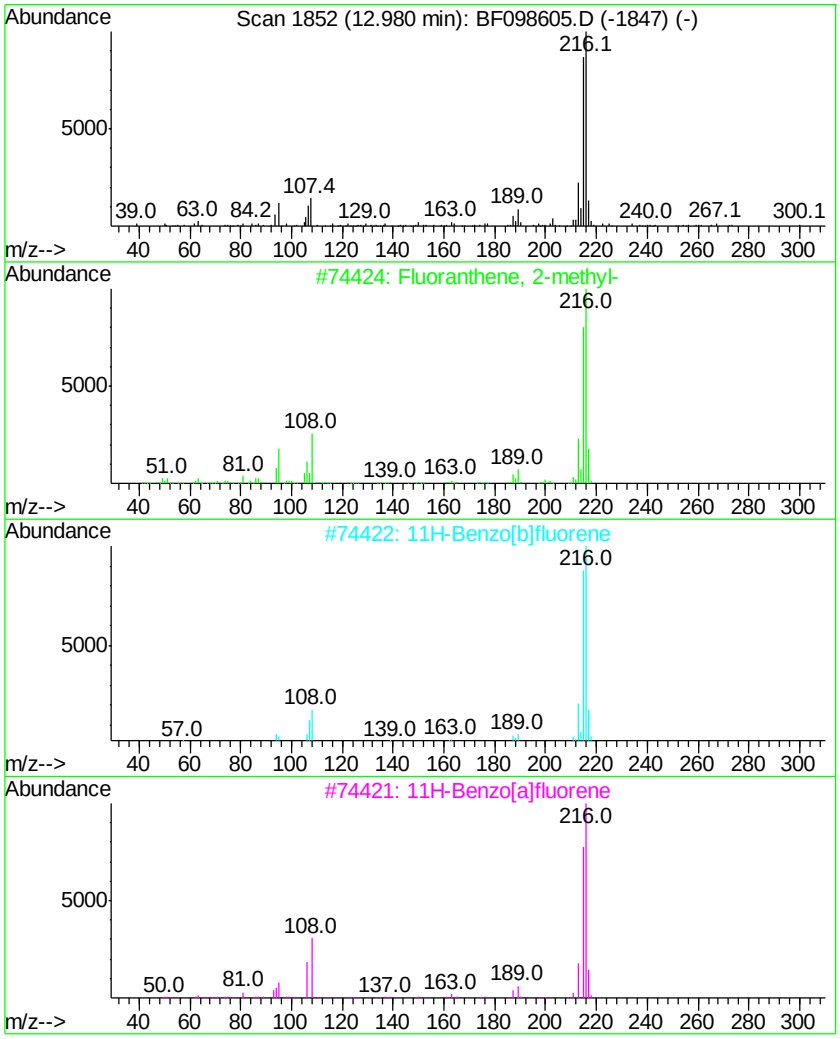
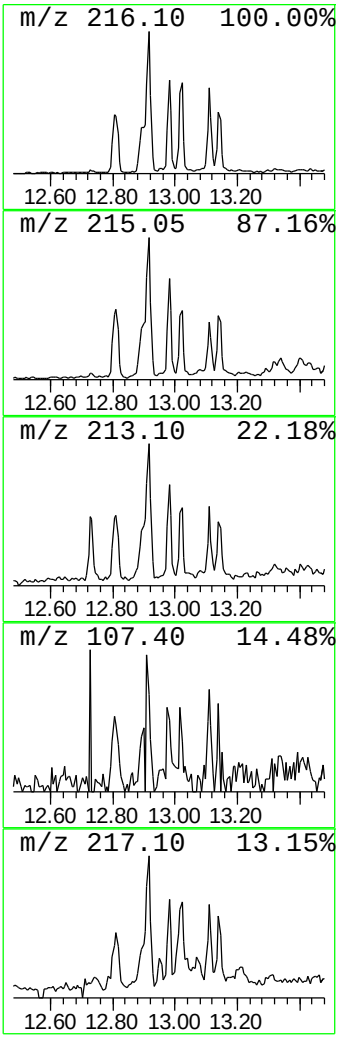
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.91 ng	191334	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	6,6'-Dimethoxy-2,2'-bipyridile	216	C12H12N2O2	039858-88-3	53





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Sample : I5250-01 2X
Misc :
ALS Vial : 11 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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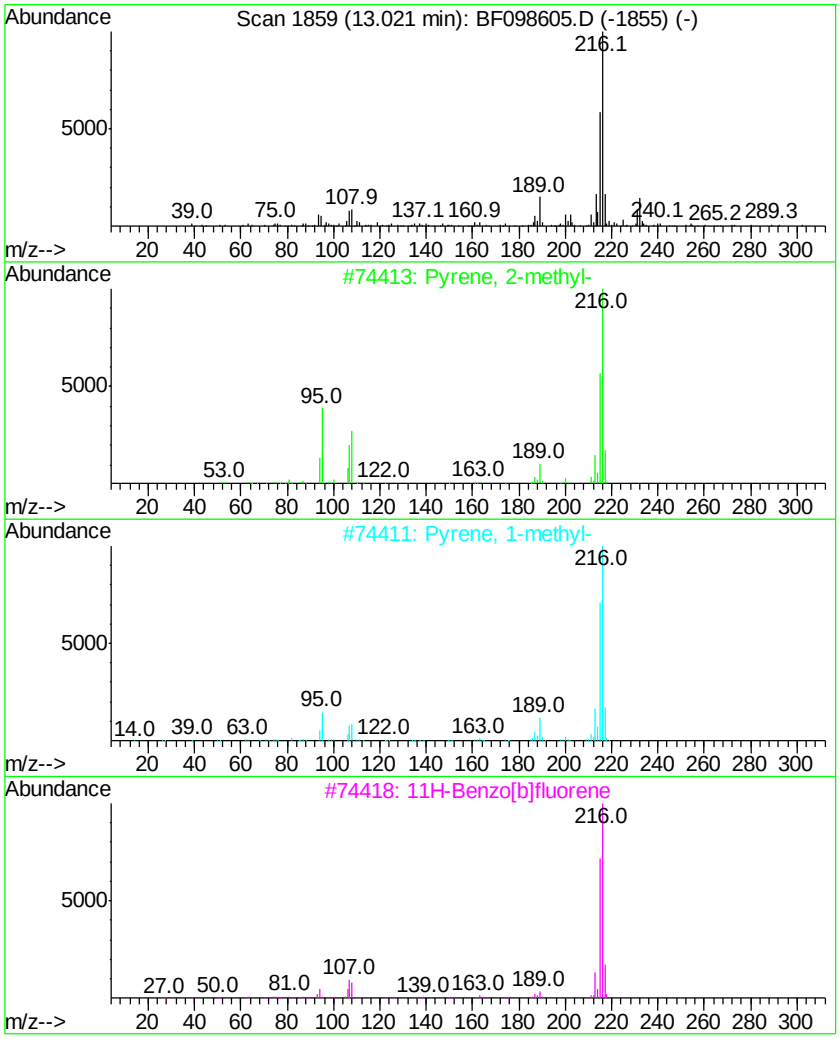
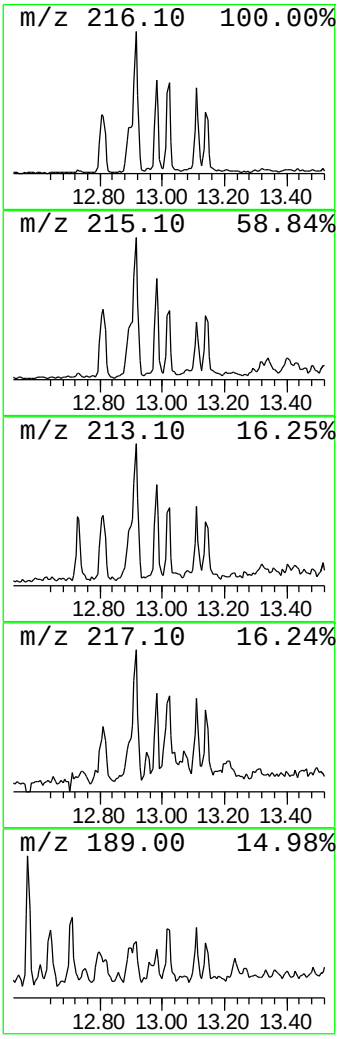
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.25 ng	213635	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58





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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
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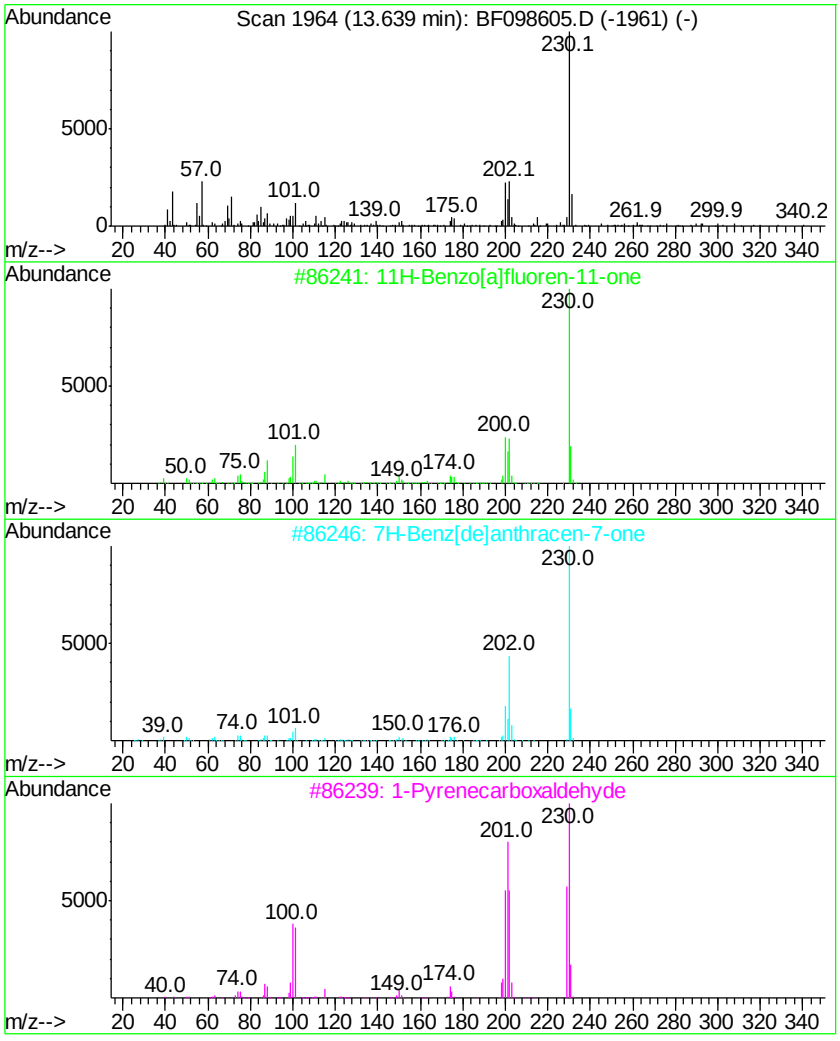
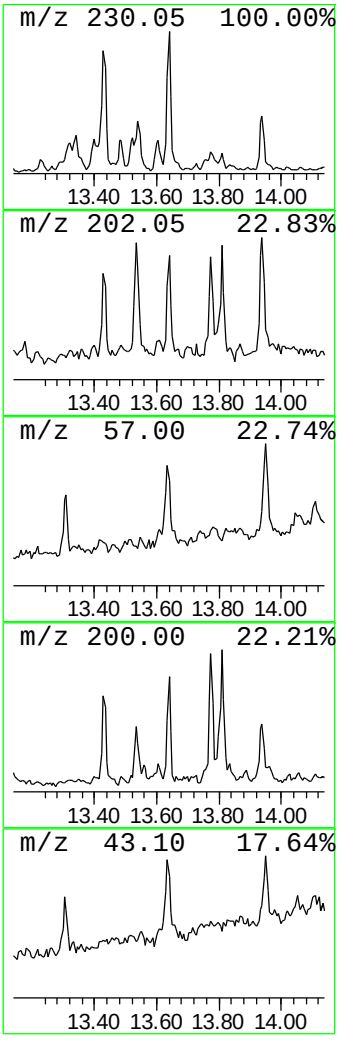
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.36 ng	155334	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	59
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53





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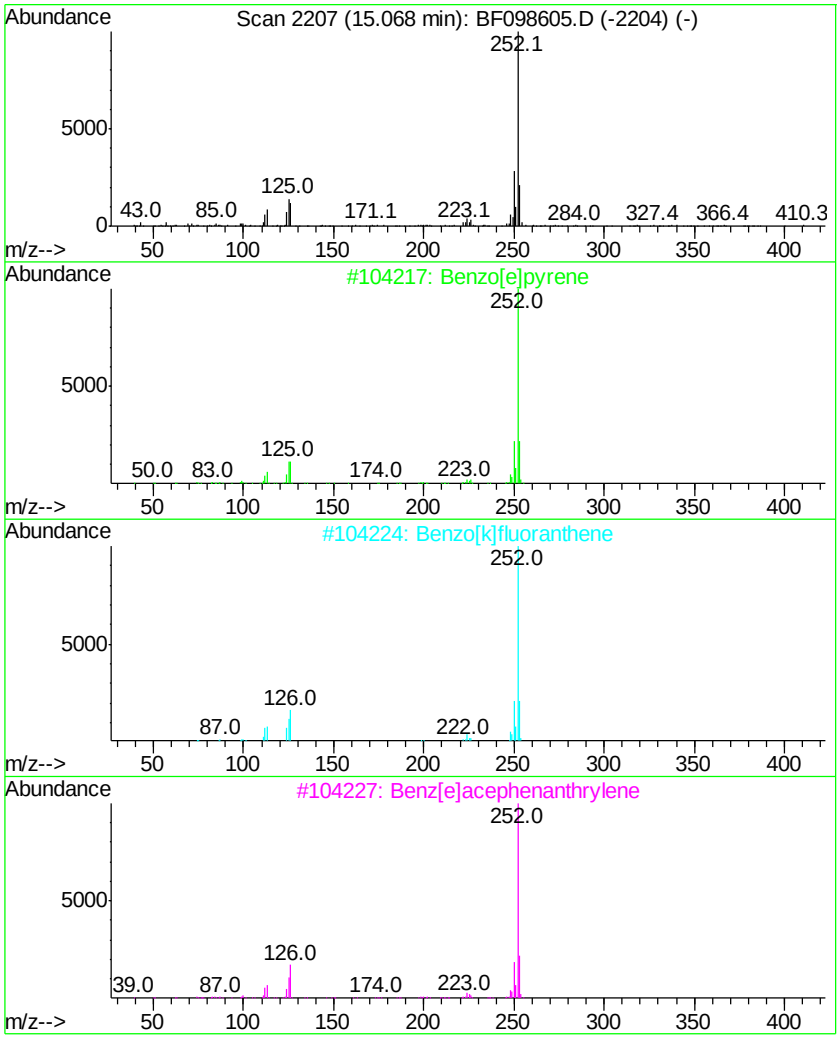
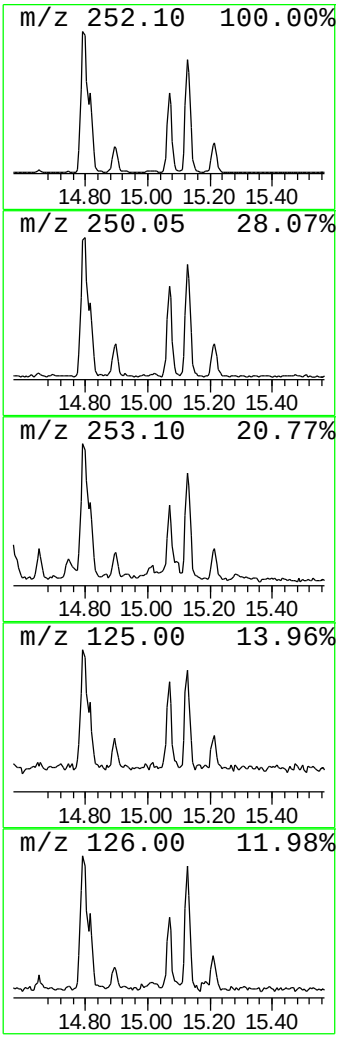
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	8.78 ng	276531	Perylene-d12	15.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098605.D
Acq On : 18 Sep 2017 16:40
Operator : SJ/JU
Sample : I5250-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-01-091417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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...	4.80	3.8	ng	156234	1	6.63	816197	20.0
unknown6.40	6.40	46.2	ng	1887180	1	6.63	816197	20.0
Octane, 3,5-dimet...	10.57	2.5	ng	116913	4	11.15	943602	20.0
Dibenzothiophene	11.05	2.4	ng	111160	4	11.15	943602	20.0
Phenanthrene, 1-m...	11.65	4.3	ng	200665	4	11.15	943602	20.0
Benzaldehyde, 3,5...	11.76	7.1	ng	336957	4	11.15	943602	20.0
1H-Cyclopropa[l]p...	11.78	2.6	ng	122674	4	11.15	943602	20.0
Naphthalene, 2-ph...	11.95	2.6	ng	121124	4	11.15	943602	20.0
9,10-Anthracenedione	11.98	2.4	ng	113127	4	11.15	943602	20.0
9,10-Dimethylanth...	12.20	3.8	ng	177841	4	11.15	943602	20.0
unknown12.23	12.23	3.8	ng	178440	4	11.15	943602	20.0
Cyclopenta(def)ph...	12.29	3.4	ng	159652	4	11.15	943602	20.0
Pyrene, 1-methyl-	12.80	3.1	ng	205158	5	13.79	1315120	20.0
Fluoranthene, 2-m...	12.98	2.9	ng	191334	5	13.79	1315120	20.0
Pyrene, 2-methyl-	13.02	3.3	ng	213635	5	13.79	1315120	20.0
11H-Benzo[a]fluor...	13.64	2.4	ng	155334	5	13.79	1315120	20.0
Benzo[e]pyrene	15.07	8.8	ng	276531	6	15.19	629724	20.0