LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108083.D
Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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	2.372	3	6	15	rVB	682938	874321	12.06%	0.856%
2	3.643	219	222	238	rBV	80333	148823	2.05%	0.146%
3	5.260	491	497	505	rVB	1060579	1331398	18.37%	1.304%
4	5.642	557	562	565	rBV	6385269	6301039	86.92%	6.172%
5	6.637	724	731	735	rBV	5934912	7009625	96.69%	6.866%
6	6.784	751	756	760	rBV	6521881	6638650	91.57%	6.503%
7	7.013	792	795	799	rBV	1808965	1659909	22.90%	1.626%
8	7.172	818	822	826	rBV	5644921	5079542	70.07%	4.976%
9	7.578	886	891	894	rBV	4574594	4396087	60.64%	4.306%
10	8.266	1004	1008	1010	rBV	124078	107617	1.48%	0.105%
11	8.301	1010	1014	1016	rBV	2336598	2055135	28.35%	2.013%
12	8.319	1016	1017	1020	rVB	168982	102409	1.41%	0.100%
13	8.872	1108	1111	1116	rVB	142462	132110	1.82%	0.129%
14	9.013	1132	1135	1138	rBV	123024	99641	1.37%	0.098%
15	9.113	1148	1152	1155	rVB	89458	76732	1.06%	0.075%
16	9.378	1191	1197	1200	rBV	8006345	7249577	100.00%	7.101%
17	9.442	1205	1208	1211	rVV2	178733	153206	2.11%	0.150%
18	9.478	1211	1214	1218	rVB	94692	84286	1.16%	0.083%
19	9.642	1237	1242	1246	rBV	67638	96939	1.34%	0.095%
20	9.713	1250	1254	1257	rBV	81050	93003	1.28%	0.091%
21	9.766	1257	1263	1266	rBV	1126861	926162	12.78%	0.907%
22	9.925	1286	1290	1293	rVV	210756	178481	2.46%	0.175%
23	9.977	1295	1299	1302	rVB	127567	122448	1.69%	0.120%
24	10.066	1310	1314	1317	rBV	2301810	2106269	29.05%	2.063%
25	10.095	1317	1319	1322	rVB	466268	351557	4.85%	0.344%
26	10.266	1345	1348	1351	rVB	174227	154131	2.13%	0.151%
27	10.377	1363	1367	1370	rBV3	94381	159885	2.21%	0.157%
28	10.477	1378	1384	1387	rVB2	136756	175895	2.43%	0.172%
29	10.613	1404	1407	1412	rBV	340485	282040	3.89%	0.276%
30	10.701	1419	1422	1424	rVB	89984	81686	1.13%	0.080%
31	10.854	1444	1448	1452	rBV	3925017	3903981	53.85%	3.824%
32	10.913	1455	1458	1462	rVB	117119	120614	1.66%	0.118%
33	10.954	1462	1465	1466	rBV	116849	105140	1.45%	0.103%
34	11.160	1495	1500	1503	rBV3	86501	126974	1.75%	0.124%

LSC Area Percent Report

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Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.289	1517	1522	1524	rBV3	48264	77518	1.07%	0.076%
36	11.360	1531	1534	1538	rVB	139810	115745	1.60%	0.113%
37	11.401	1538	1541	1544	rBV	128071	129693	1.79%	0.127%
38	11.454	1548	1550	1553	rVB	226793	188002	2.59%	0.184%
39	11.560	1564	1568	1570	rBV	2172773	1917767	26.45%	1.879%
40	11.583	1570	1572	1576	rVV	3015198	2680388	36.97%	2.626%
41	11.636	1576	1581	1584	rVV	869367	728769	10.05%	0.714%
42	11.666	1584	1586	1591	rVB	119323	121834	1.68%	0.119%
43	11.789	1602	1607	1611	rBV	226957	241083	3.33%	0.236%
44	11.854	1616	1618	1622	rVB2	139272	113143	1.56%	0.111%
45	11.895	1622	1625	1630	rBV3	124904	153780	2.12%	0.151%
46	12.066	1650	1654	1656	rBV2	724365	678553	9.36%	0.665%
47	12.089	1656	1658	1664	rVV2	451909	469009	6.47%	0.459%
48	12.136	1664	1666	1670	rVV	152589	150664	2.08%	0.148%
49	12.177	1670	1673	1676	rVV2	678520	739516	10.20%	0.724%
50	12.201	1676	1677	1681	rVB	200200	97197	1.34%	0.095%
51	12.242	1681	1684	1686	rBV3	111232	96462	1.33%	0.094%
52	12.360	1701	1704	1706	rBV	466232	371730	5.13%	0.364%
53	12.383	1706	1708	1711	rVB	346568	281166	3.88%	0.275%
54	12.513	1727	1730	1732	rBV2	109950	106863	1.47%	0.105%
55	12.613	1745	1747	1752	rBV2	137820	184134	2.54%	0.180%
56	12.707	1760	1763	1767	rBV2	160547	200565	2.77%	0.196%
57	12.789	1772	1777	1780	rBV	4797991	4535678	62.56%	4.443%
58	12.854	1784	1788	1790	rBV2	164587	209555	2.89%	0.205%
59	12.877	1790	1792	1795	rVB	267619	226971	3.13%	0.222%
60	12.936	1800	1802	1804	rBV	135909	117465	1.62%	0.115%
61	13.018	1809	1816	1821	rVV	4465207	4884381	67.37%	4.785%
62	13.060	1821	1823	1827	rVB2	146745	149575	2.06%	0.147%
63	13.154	1832	1839	1842	rBV	5326557	5459093	75.30%	5.348%
64	13.236	1847	1853	1856	rBV3	223765	402330	5.55%	0.394%
65	13.342	1864	1871	1873	rBV	667892	741892	10.23%	0.727%
66	13.407	1879	1882	1885	rBV2	602217	496885	6.85%	0.487%
67	13.448	1885	1889	1891	rVV2	359408	347056	4.79%	0.340%
68	13.471	1891	1893	1896	rVB	120526	99311	1.37%	0.097%
69	13.542	1902	1905	1907	rBV	181838	159229	2.20%	0.156%
70	13.571	1907	1910	1916	rVB	252875	256244	3.53%	0.251%
71	13.848	1955	1957	1962	rVB	203907	230462	3.18%	0.226%

LSC Area Percent Report

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Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.965	1974	1977	1980	rBV	375187	331632	4.57%	0.325%
73	13.995	1980	1982	1984	rVB	329580	219838	3.03%	0.215%
74	14.018	1984	1986	1987	rBV	386955	298643	4.12%	0.293%
75	14.036	1987	1989	1992	rVB3	318151	285368	3.94%	0.280%
76	14.118	2001	2003	2009	rBV2	245902	249313	3.44%	0.244%
77	14.177	2011	2013	2015	rVV2	233152	226475	3.12%	0.222%
78	14.213	2015	2019	2022	rVV3	3065273	4251660	58.65%	4.165%
79	14.248	2022	2025	2030	rVB	1937531	1980867	27.32%	1.940%
80	14.324	2036	2038	2041	rBV	424747	367634	5.07%	0.360%
81	14.360	2042	2044	2049	rVB3	225681	219228	3.02%	0.215%
82	14.442	2054	2058	2061	rBV2	182561	259670	3.58%	0.254%
83	14.642	2089	2092	2094	rBV2	169221	150580	2.08%	0.148%
84	14.665	2094	2096	2098	rBV	223417	193453	2.67%	0.189%
85	14.736	2106	2108	2110	rBV	173310	151460	2.09%	0.148%
86	14.760	2110	2112	2116	rVB	409066	362872	5.01%	0.355%
87	15.318	2201	2207	2210	rBV	1735765	3023146	41.70%	2.961%
88	15.430	2223	2226	2230	rVB	338754	399323	5.51%	0.391%
89	15.654	2259	2264	2269	rVB	1111371	1578934	21.78%	1.547%
90	15.718	2270	2275	2281	rVB	1706538	2296295	31.67%	2.249%
91	15.789	2282	2287	2290	rVV	1273215	1705016	23.52%	1.670%
92	15.818	2290	2292	2298	rVB	397960	506336	6.98%	0.496%
93	17.412	2557	2563	2572	rVB2	612158	1314060	18.13%	1.287%
94	17.906	2641	2647	2661	rVB	472072	1069472	14.75%	1.048%

Sum of corrected areas: 102086295

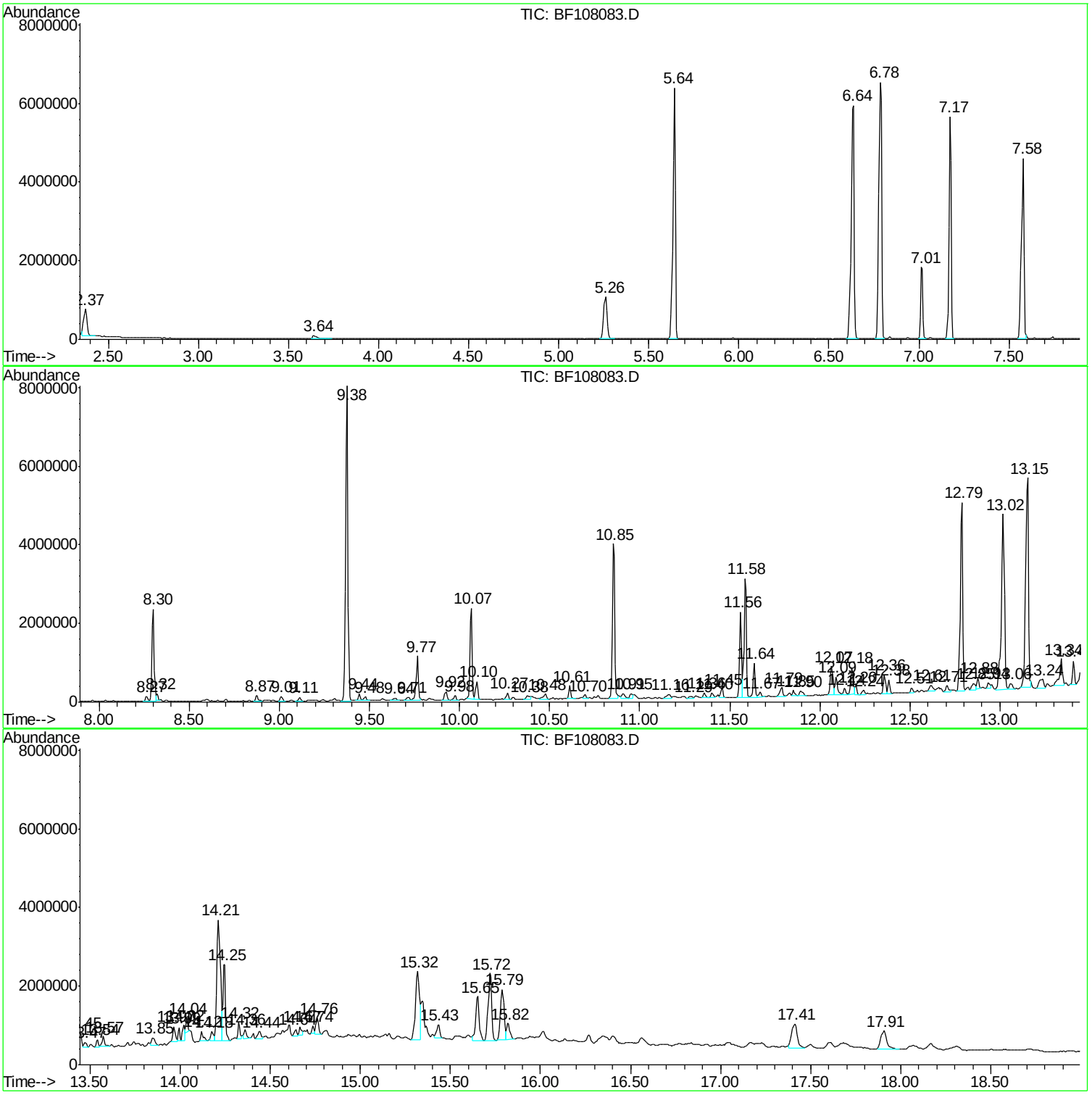
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108083.D
Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108083.D
Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

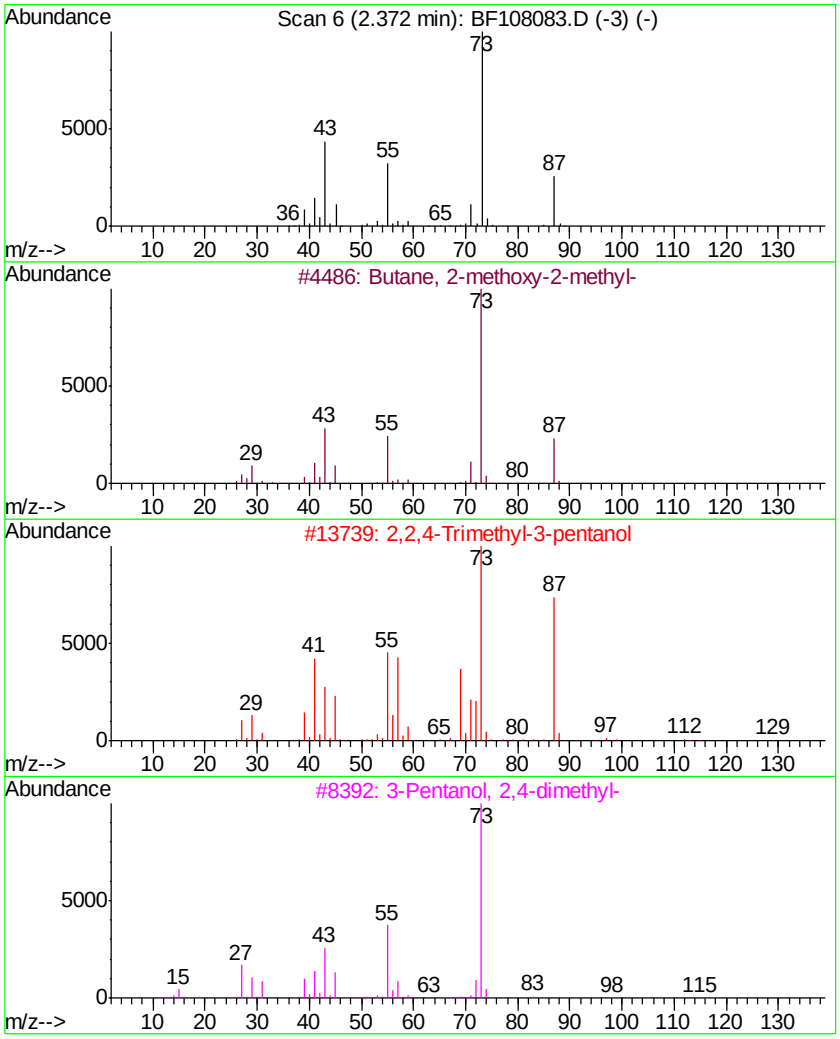
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

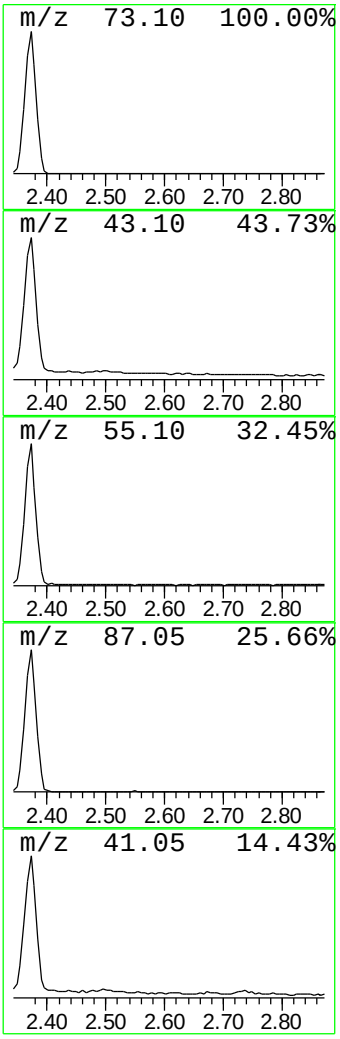
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.37	10.53 ng	874321	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108083.D
Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

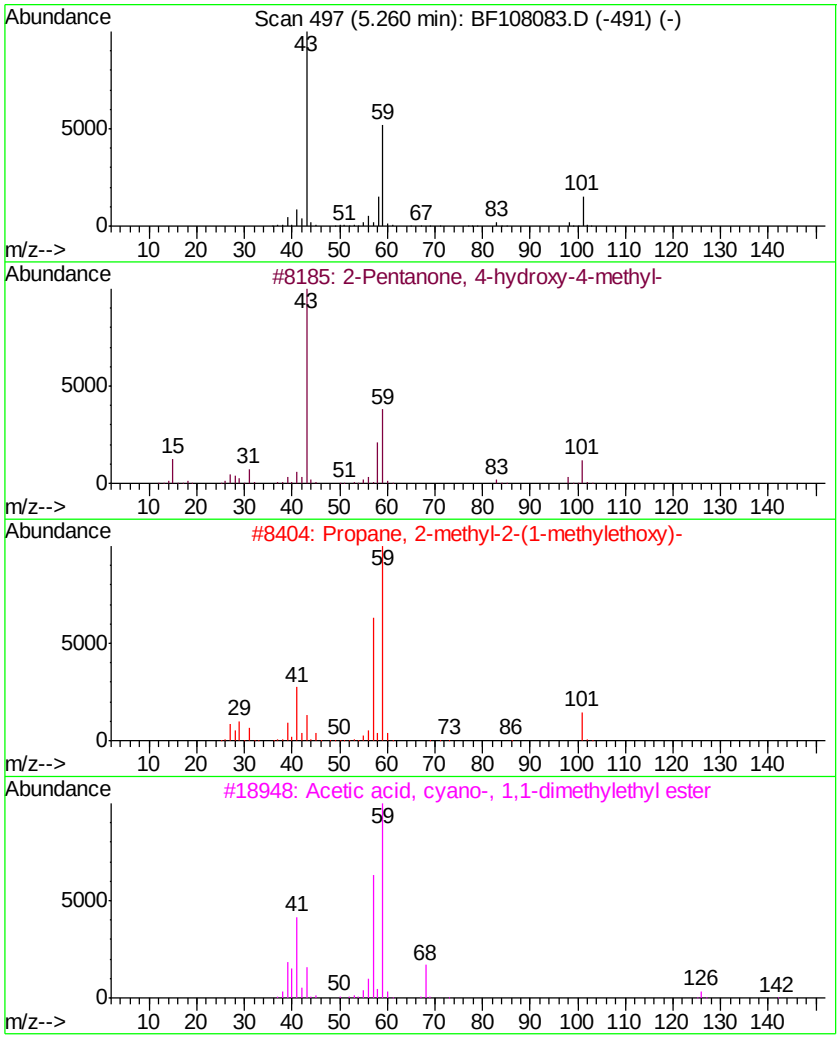
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

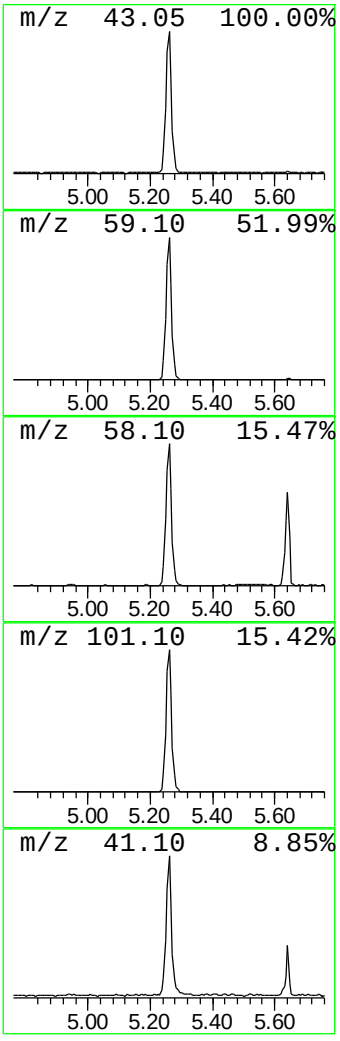
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	16.04 ng	1331400	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108083.D
Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

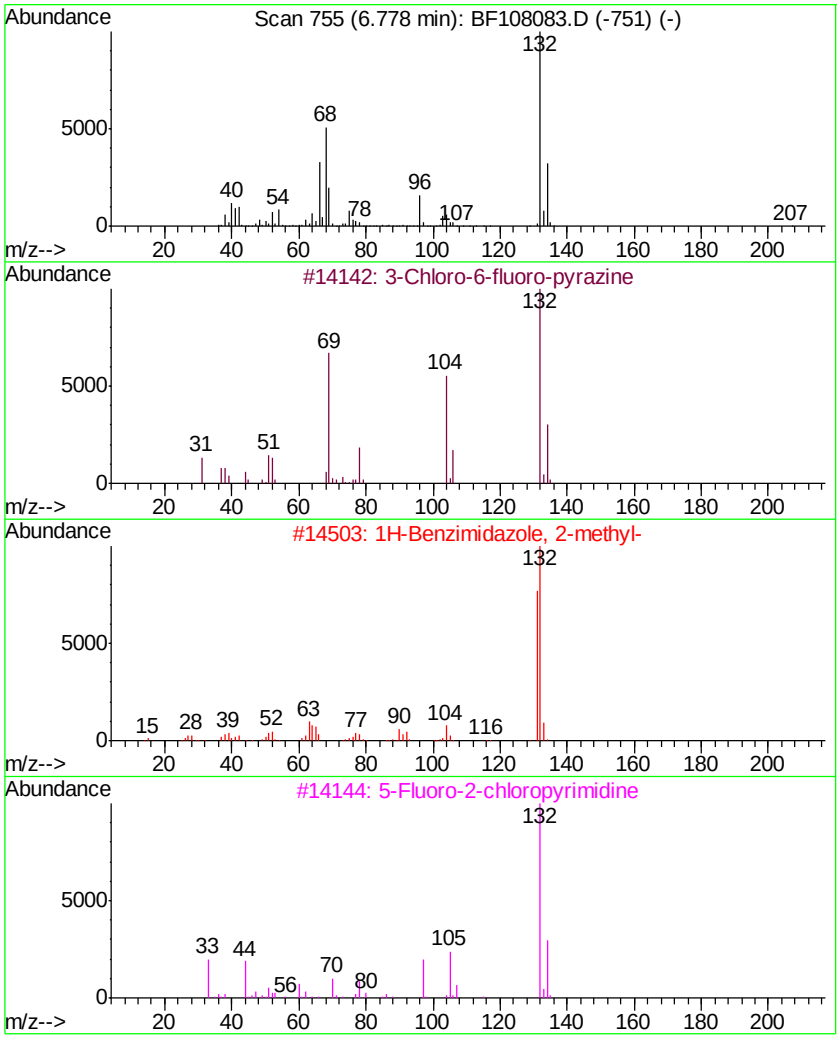
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

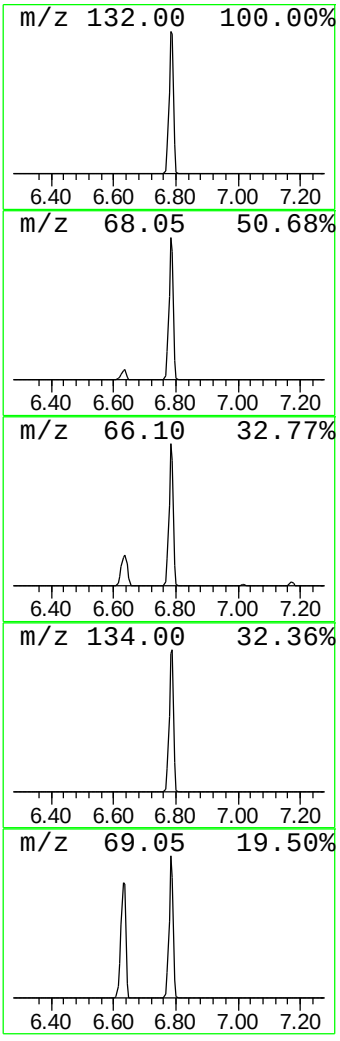
****

Peak Number 3 unknown6.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	79.99 ng	6638650	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108083.D
Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

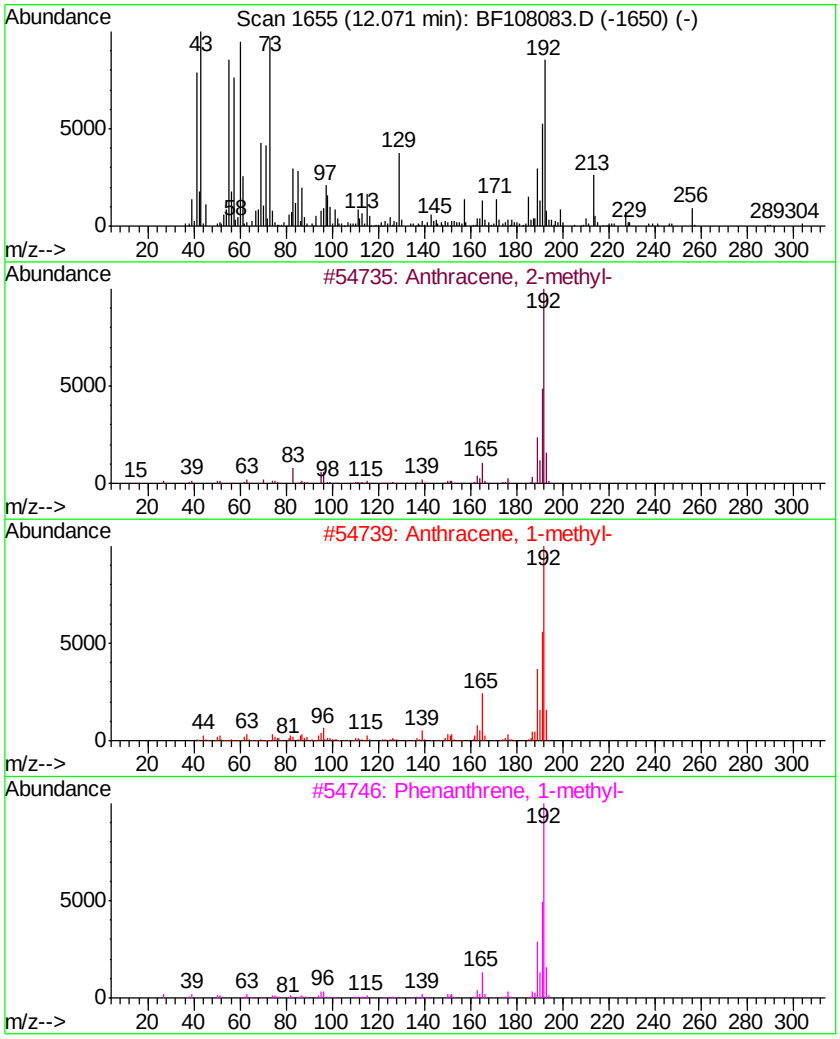
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

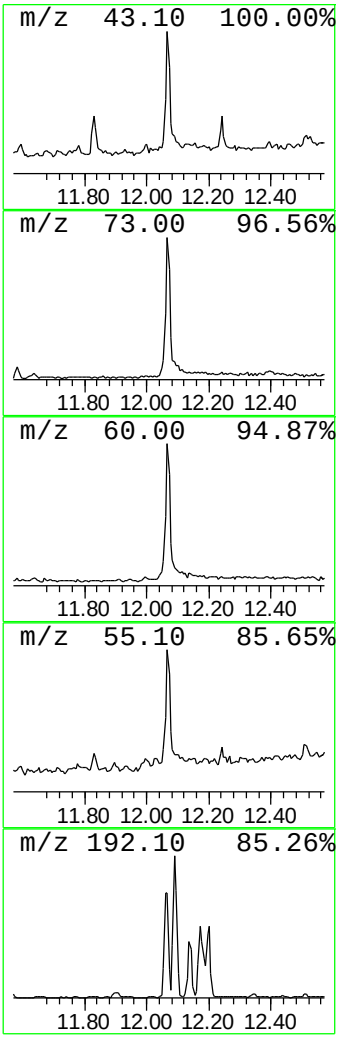
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	7.08 ng	678553	Phenanthrene-d10	11.56

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, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108083.D
Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

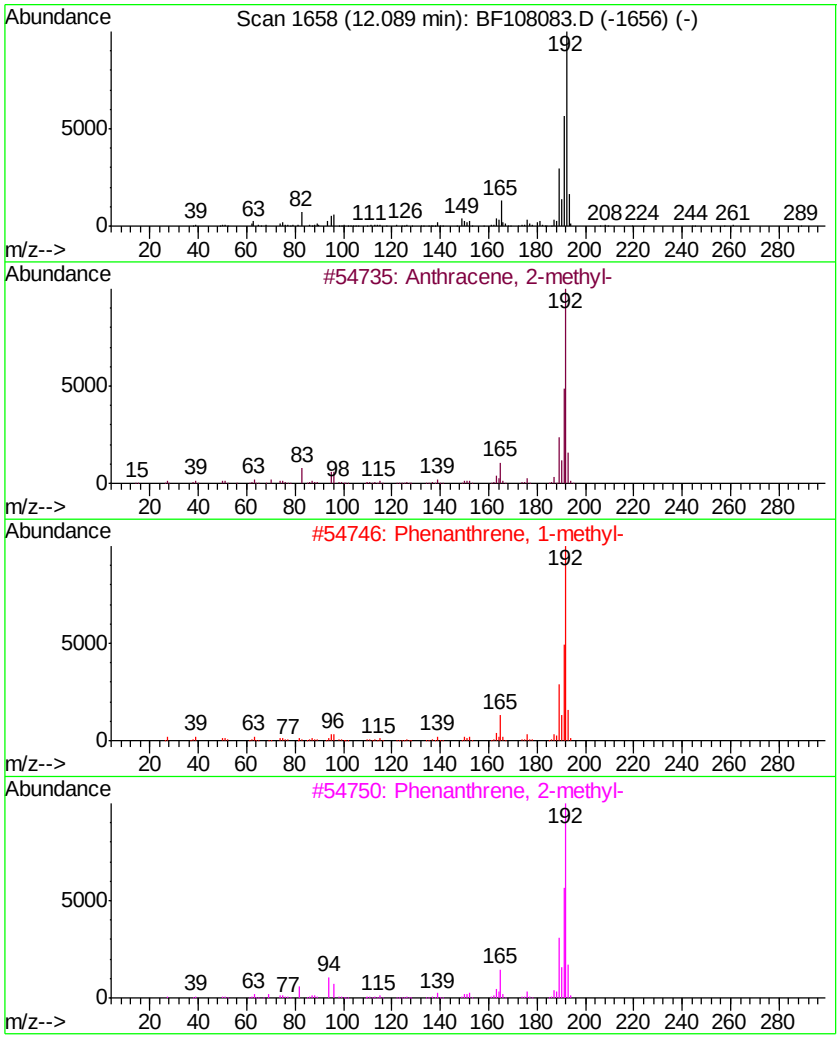
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

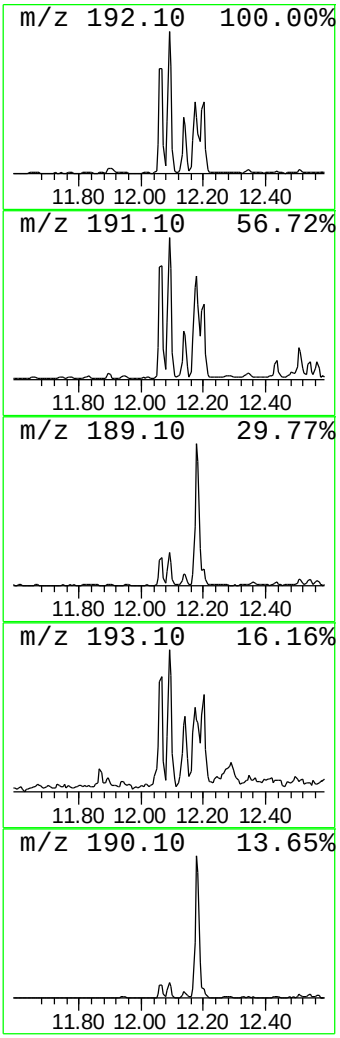
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	4.89 ng	469009	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

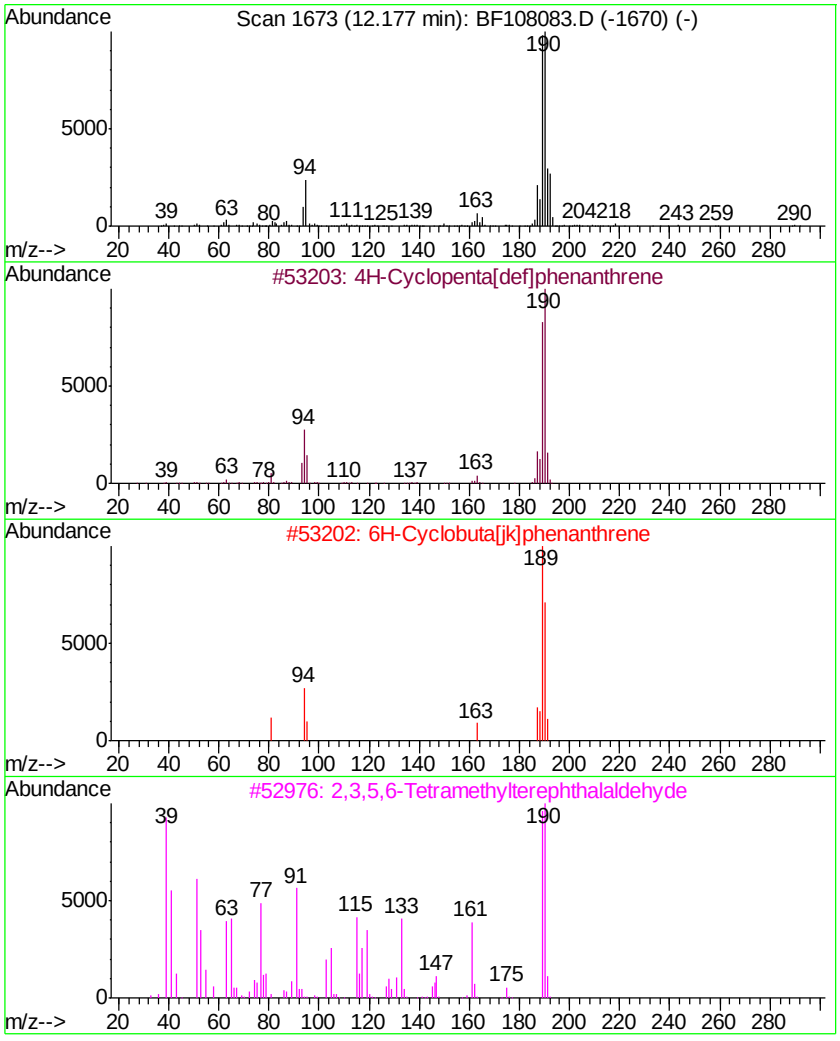
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

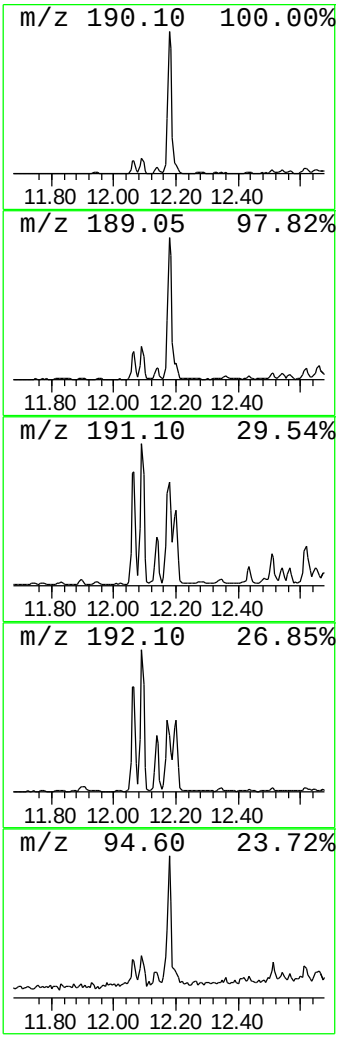
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	7.71 ng	739516	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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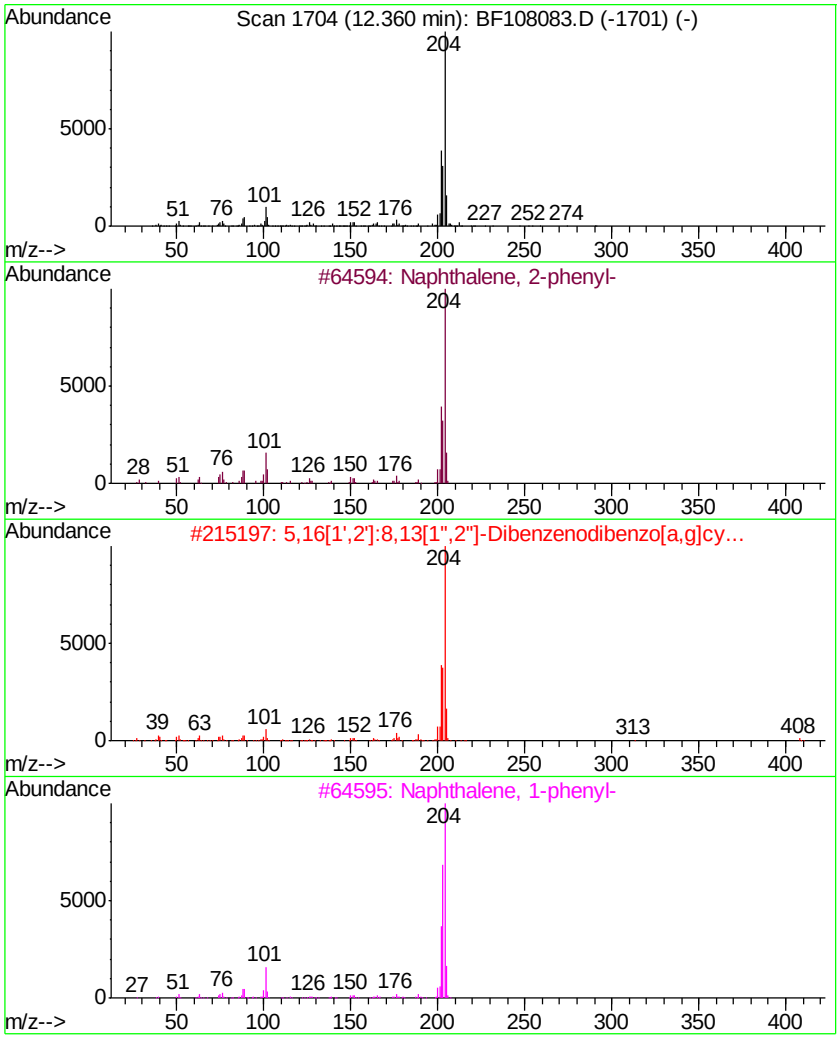
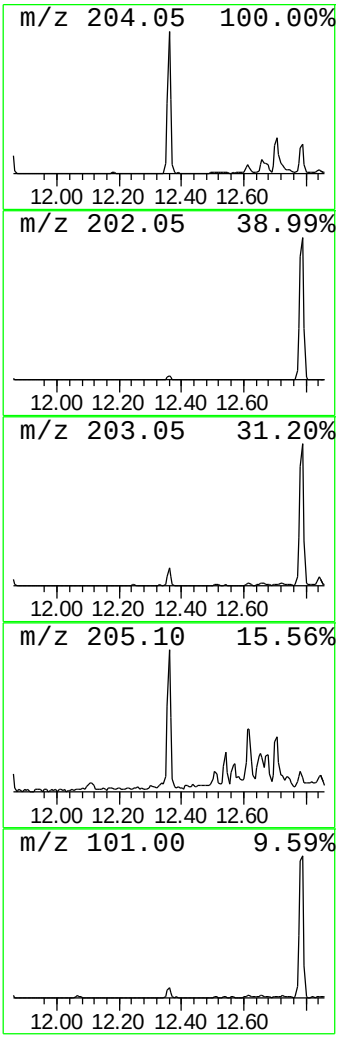
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	3.88 ng	371730	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50





Library Search Compound Report

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Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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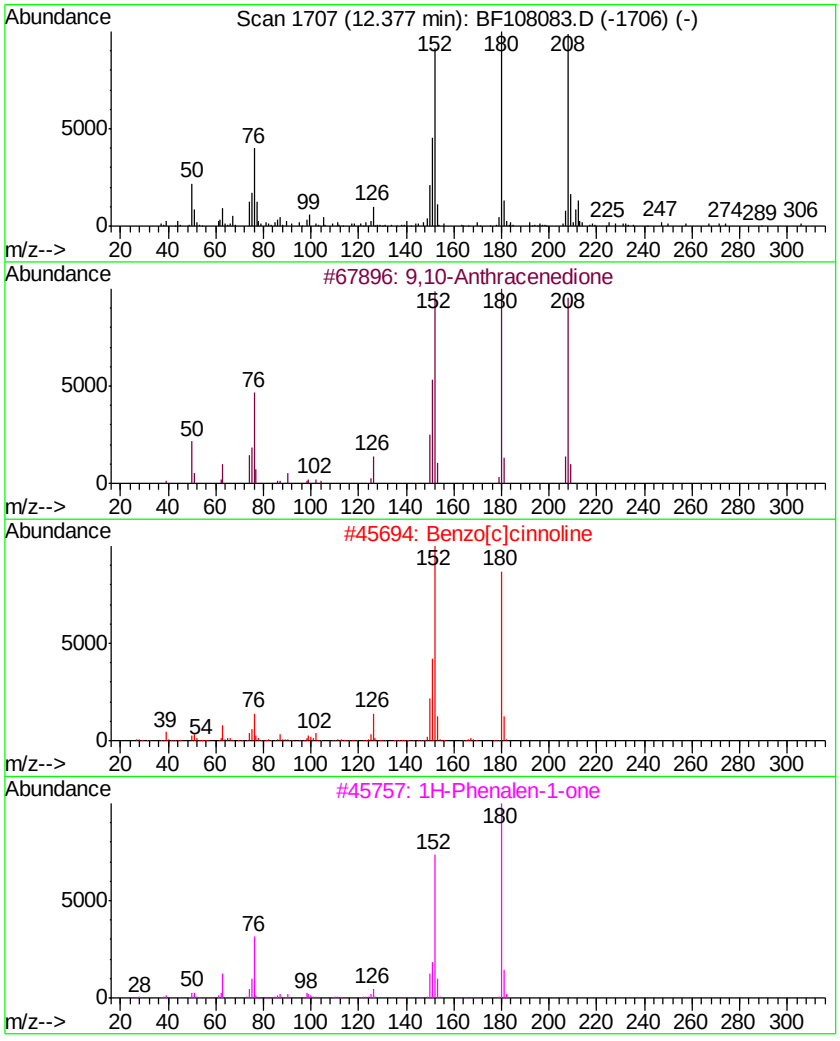
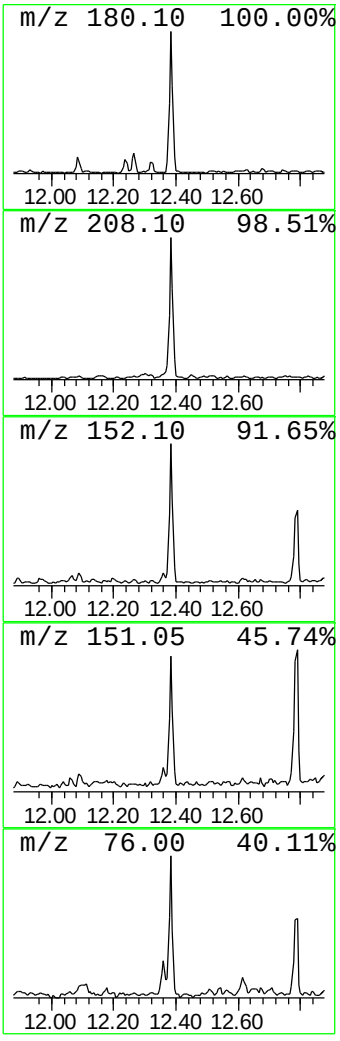
Peak Number 9 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.93 ng	281166	Phenanthrene-d10	11.56

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	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52





Library Search Compound Report

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Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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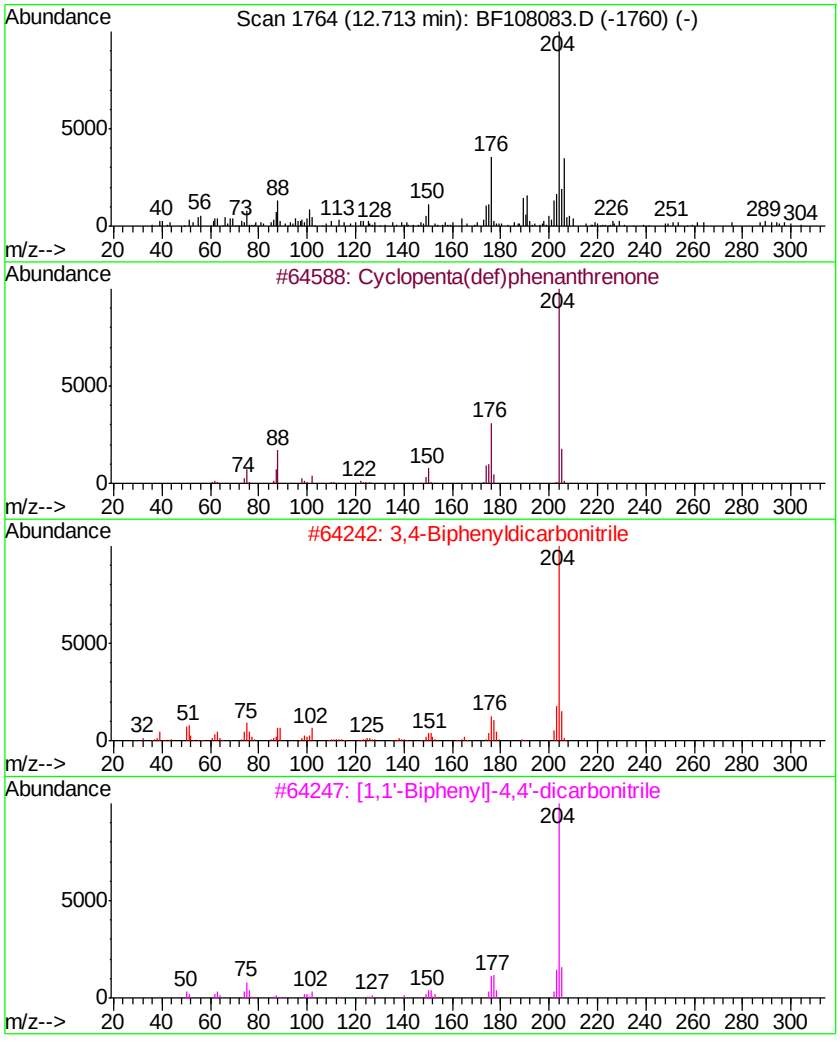
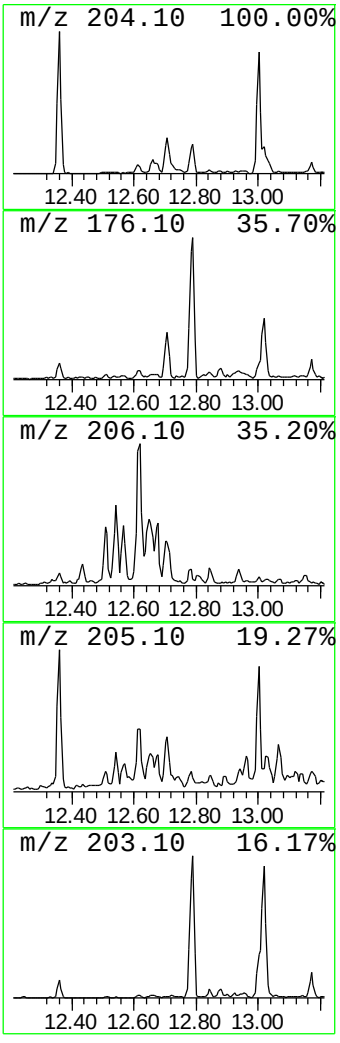
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	2.09 ng	200565	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43





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Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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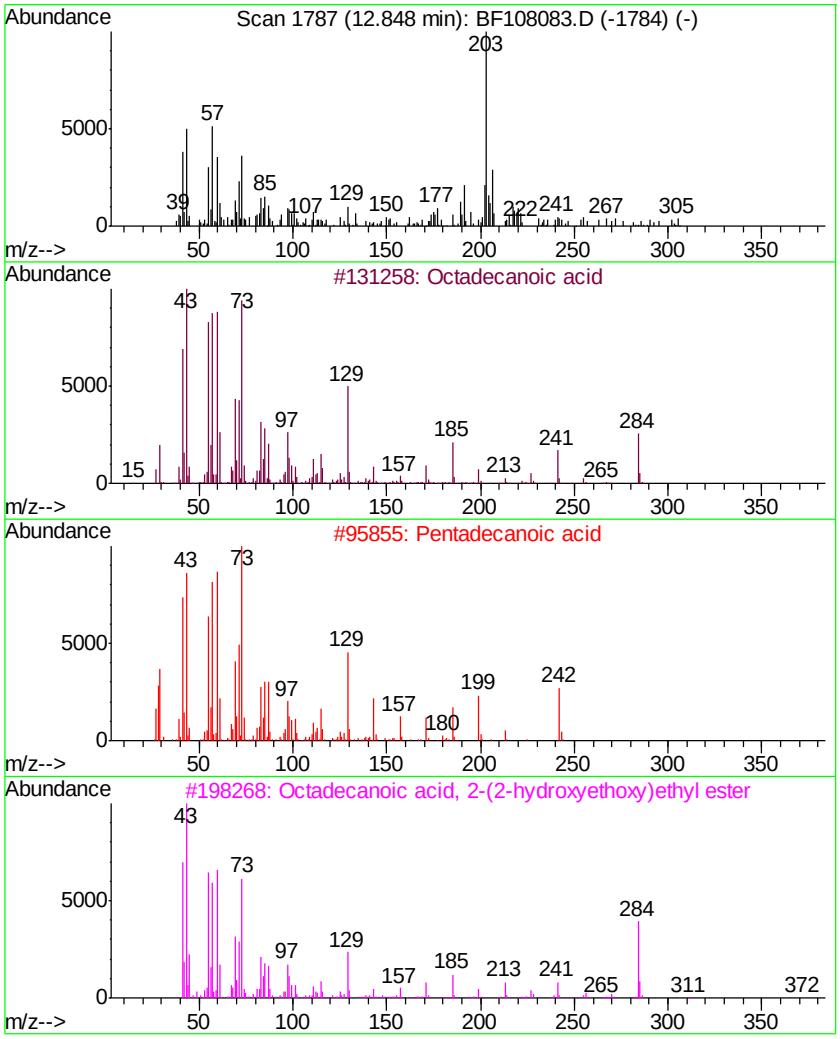
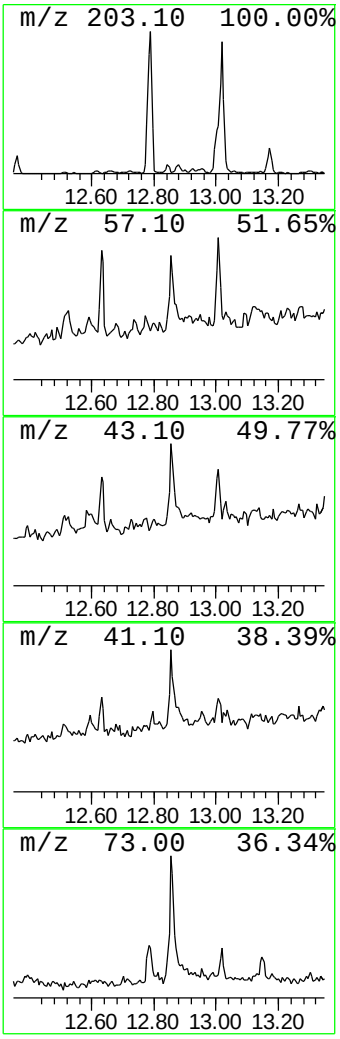
Peak Number 11 Octadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	2.19 ng	209555	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	91
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	74
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	45





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Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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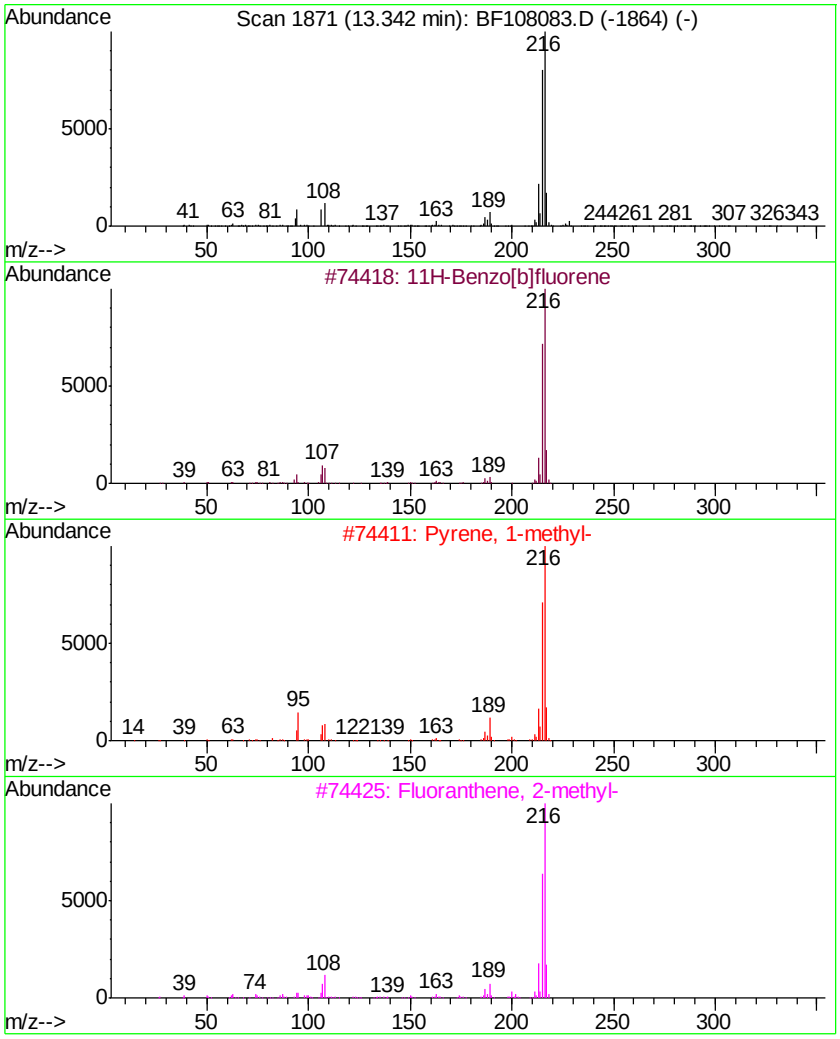
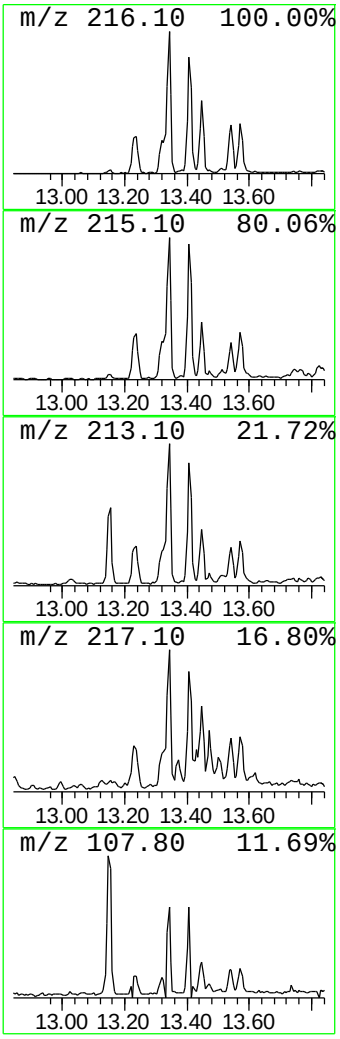
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.49 ng	741892	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

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Acq On : 10 Aug 2018 14:55
Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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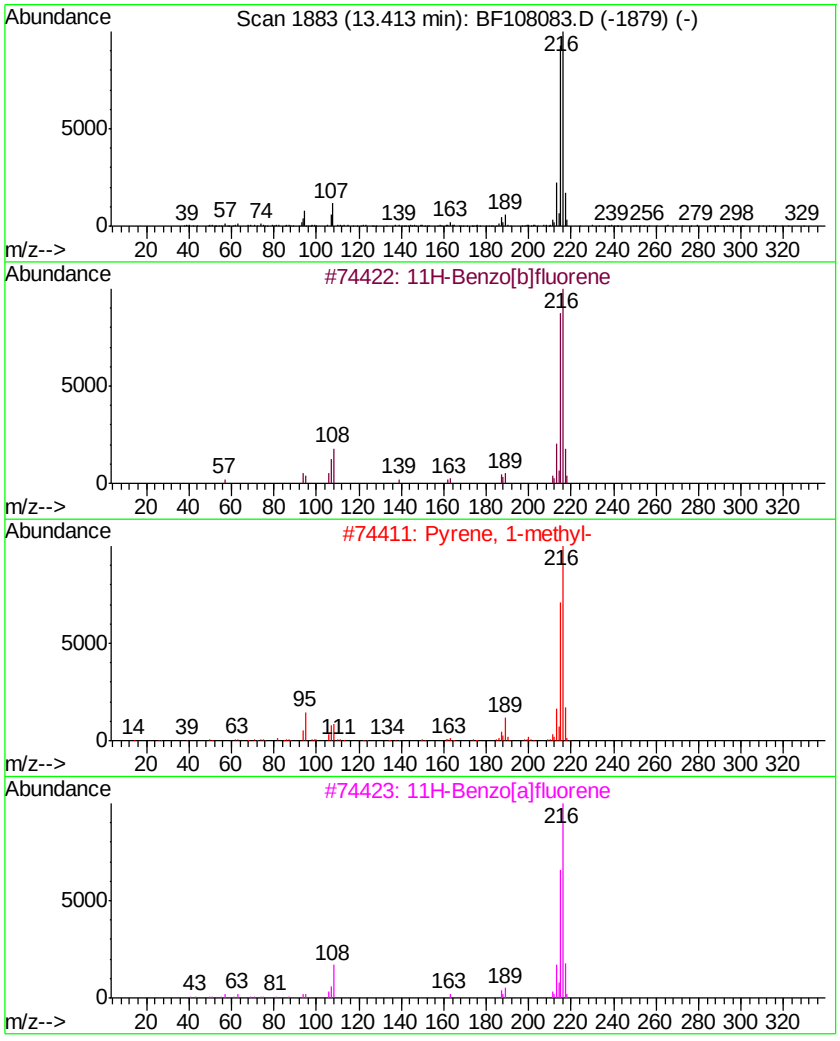
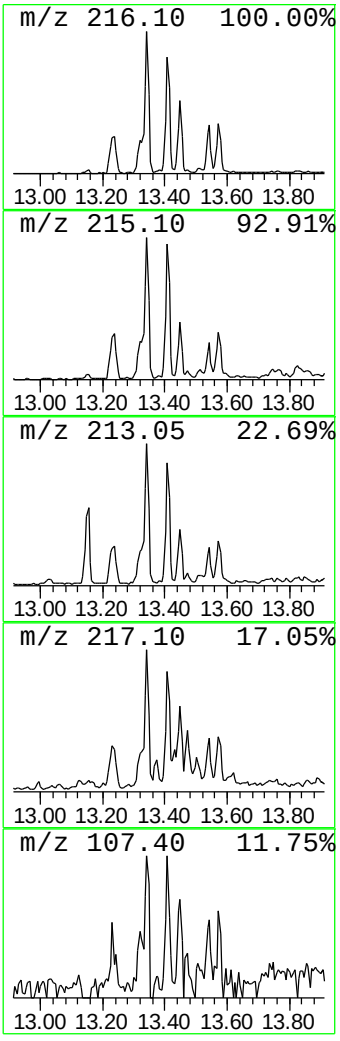
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.34 ng	496885	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





Library Search Compound Report

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Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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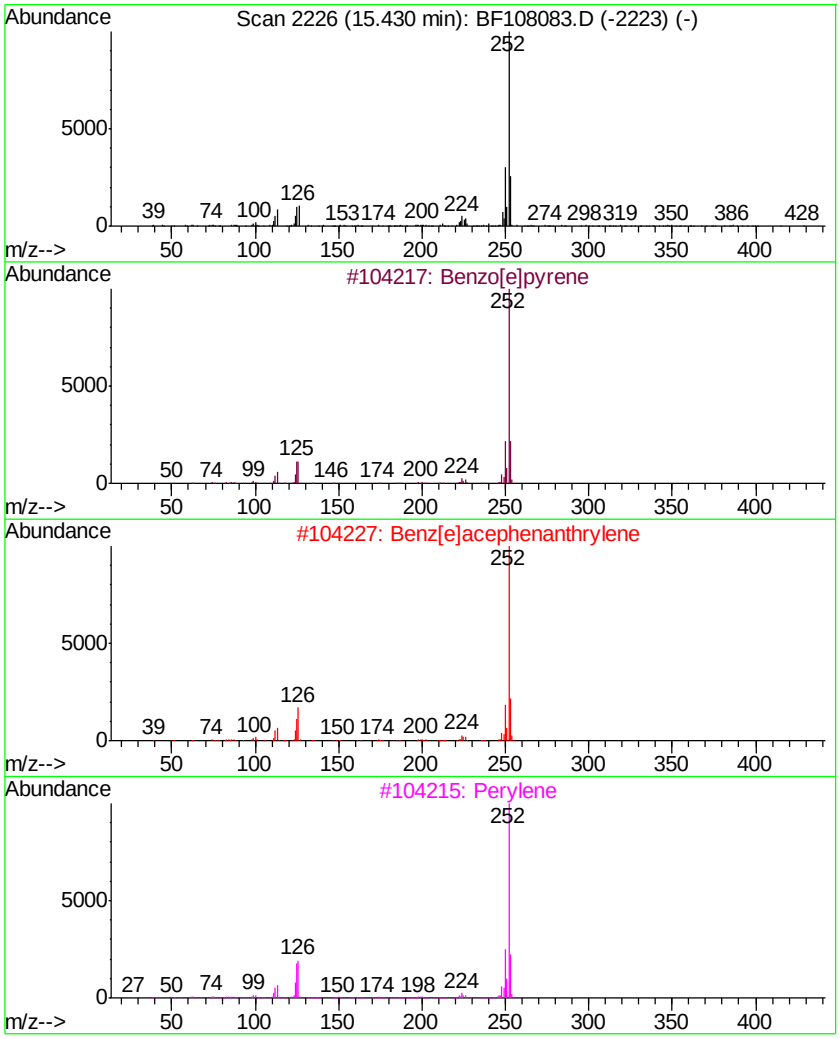
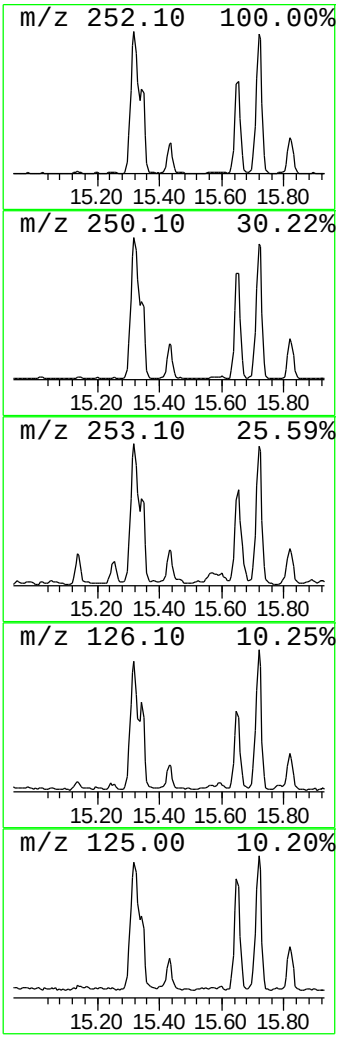
Peak Number 15 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	4.68 ng	399323	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Sample : J4409-09
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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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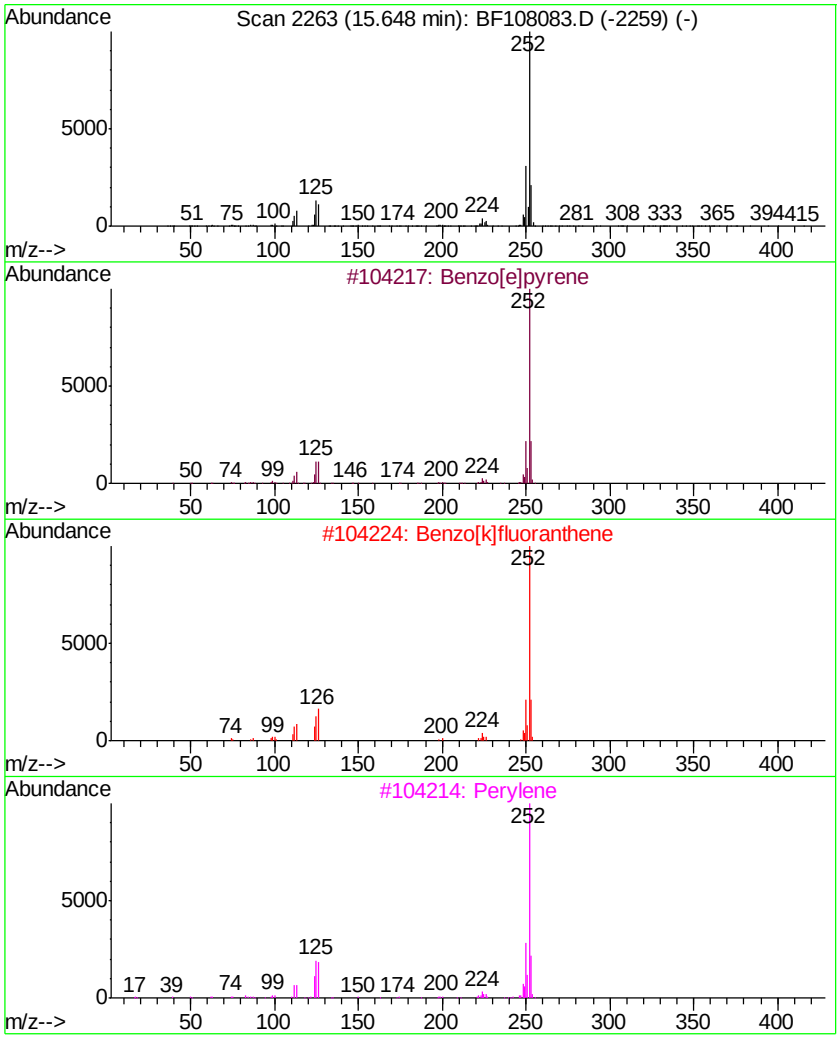
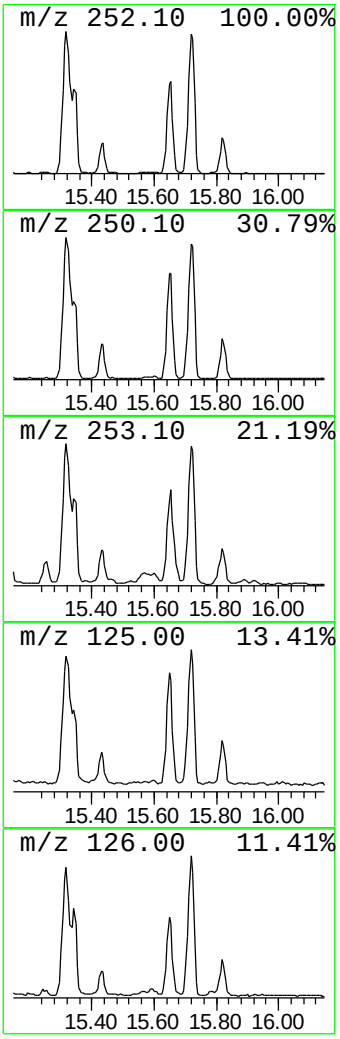
Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	18.52 ng	1578930	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108083.D
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Operator : JU/SJ
Sample : J4409-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-11B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
Butane, 2-methoxy...	2.37	10.5	ng	874321	1	7.02	1659910	20.0
2-Pentanone, 4-hy...	5.26	16.0	ng	1331400	1	7.02	1659910	20.0
unknown6.78	6.78	80.0	ng	6638650	1	7.02	1659910	20.0
Anthracene, 1-met...	12.07	7.1	ng	678553	4	11.56	1917770	20.0
Anthracene, 2-met...	12.09	4.9	ng	469009	4	11.56	1917770	20.0
4H-Cyclopenta[def...	12.18	7.7	ng	739516	4	11.56	1917770	20.0
Naphthalene, 2-ph...	12.36	3.9	ng	371730	4	11.56	1917770	20.0
9,10-Anthracenedione	12.38	2.9	ng	281166	4	11.56	1917770	20.0
Cyclopenta(def)ph...	12.71	2.1	ng	200565	4	11.56	1917770	20.0
Octadecanoic acid	12.85	2.2	ng	209555	4	11.56	1917770	20.0
Pyrene, 1-methyl-	13.34	3.5	ng	741892	5	14.22	4251660	20.0
11H-Benzo[b]fluorene	13.41	2.3	ng	496885	5	14.22	4251660	20.0
Perylene	15.43	4.7	ng	399323	6	15.79	1705020	20.0
Benzo[e]pyrene	15.65	18.5	ng	1578930	6	15.79	1705020	20.0