LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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	5.434	564	569	572	rBV	3424554	3183093	54.54%	3.252%
2	6.445	736	741	744	rBV	3284756	3109094	53.27%	3.176%
3	6.810	800	803	807	rBV	1251033	1127634	19.32%	1.152%
4	6.969	826	830	834	rBV	3406153	2958212	50.69%	3.022%
5	7.369	894	898	902	rBV	2177093	2120536	36.33%	2.166%
6	8.092	1017	1021	1023	rBV	1595365	1404548	24.07%	1.435%
7	8.116	1023	1025	1031	rVB	540351	424678	7.28%	0.434%
8	8.804	1139	1142	1149	rBV	156899	142914	2.45%	0.146%
9	9.169	1200	1204	1216	rBV	4965998	4476993	76.71%	4.574%
10	9.292	1217	1225	1232	rVB2	982769	996232	17.07%	1.018%
11	9.563	1268	1271	1276	rVB	266534	256223	4.39%	0.262%
12	9.710	1290	1296	1301	rBV	220227	209183	3.58%	0.214%
13	9.851	1313	1320	1323	rBV	1751218	1757711	30.12%	1.796%
14	9.880	1323	1325	1328	rVB	193936	157221	2.69%	0.161%
15	10.051	1350	1354	1358	rBV	269725	235554	4.04%	0.241%
16	10.392	1409	1412	1416	rBV	394516	335320	5.75%	0.343%
17	10.551	1436	1439	1445	rVB	135435	127673	2.19%	0.130%
18	10.633	1449	1453	1458	rBV	3154504	2900785	49.70%	2.964%
19	10.945	1498	1506	1508	rBV3	109682	189376	3.24%	0.193%
20	11.068	1522	1527	1529	rBV3	101833	128465	2.20%	0.131%
21	11.092	1529	1531	1536	rVV2	127867	147446	2.53%	0.151%
22	11.133	1536	1538	1542	rVV2	124303	136078	2.33%	0.139%
23	11.192	1542	1548	1552	rVV4	188749	294398	5.04%	0.301%
24	11.227	1552	1554	1560	rVB	208215	201779	3.46%	0.206%
25	11.333	1568	1572	1574	rBV	1824716	1866622	31.98%	1.907%
26	11.357	1574	1576	1579	rVV	3776277	2931894	50.24%	2.995%
27	11.404	1579	1584	1587	rVV	989945	932513	15.98%	0.953%
28	11.439	1587	1590	1594	rVB2	133310	127897	2.19%	0.131%
29	11.557	1605	1610	1613	rBV2	389274	442770	7.59%	0.452%
30	11.627	1619	1622	1625	rVB	201162	167945	2.88%	0.172%
31	11.663	1625	1628	1631	rBV2	141035	122728	2.10%	0.125%
32	11.833	1651	1657	1659	rVV	894114	790469	13.54%	0.808%
33	11.863	1659	1662	1666	rVV	1453351	1265916	21.69%	1.293%
34	11.910	1666	1670	1672	rVV	421468	398553	6.83%	0.407%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.945	1672	1676	1678	rVV2	1041515	1161846	19.91%	1.187%
36	11.968	1678	1680	1684	rVB	589333	478216	8.19%	0.489%
37	12.127	1703	1707	1709	rVV	685492	571650	9.79%	0.584%
38	12.151	1709	1711	1715	rVB2	192578	167925	2.88%	0.172%
39	12.274	1727	1732	1735	rBV	287200	327343	5.61%	0.334%
40	12.310	1735	1738	1740	rVV	210619	179559	3.08%	0.183%
41	12.333	1740	1742	1745	rVB	179553	138655	2.38%	0.142%
42	12.386	1745	1751	1753	rBV	564606	671437	11.50%	0.686%
43	12.421	1753	1757	1759	rVV2	335716	442179	7.58%	0.452%
44	12.468	1762	1765	1770	rVB2	400366	434157	7.44%	0.444%
45	12.551	1774	1779	1782	rBV	4885706	4941270	84.67%	5.048%
46	12.592	1782	1786	1787	rVV	120730	129688	2.22%	0.132%
47	12.610	1787	1789	1792	rVB3	145949	121612	2.08%	0.124%
48	12.639	1792	1794	1797	rBV	172708	140309	2.40%	0.143%
49	12.692	1801	1803	1807	rVV	141195	174114	2.98%	0.178%
50	12.780	1811	1818	1823	rBV	4650902	5836237	100.00%	5.963%
51	12.821	1823	1825	1830	rVB2	264769	365915	6.27%	0.374%
52	12.892	1830	1837	1838	rBV2	350237	416946	7.14%	0.426%
53	12.915	1838	1841	1848	rVB	4669197	4358563	74.68%	4.453%
54	12.992	1848	1854	1858	rBV2	554421	938836	16.09%	0.959%
55	13.051	1861	1864	1866	rVV3	115884	161662	2.77%	0.165%
56	13.080	1866	1869	1870	rVV2	478444	577885	9.90%	0.590%
57	13.098	1870	1872	1875	rVV	778695	791247	13.56%	0.808%
58	13.133	1875	1878	1879	rVV	136169	152540	2.61%	0.156%
59	13.162	1880	1883	1886	rVV	418728	512546	8.78%	0.524%
60	13.204	1886	1890	1893	rVV2	851834	934978	16.02%	0.955%
61	13.227	1893	1894	1897	rVV2	203284	163157	2.80%	0.167%
62	13.298	1903	1906	1908	rBV	448315	386933	6.63%	0.395%
63	13.327	1908	1911	1914	rVB	537613	469782	8.05%	0.480%
64	13.398	1920	1923	1929	rVB4	252398	301456	5.17%	0.308%
65	13.604	1955	1958	1963	rVB	623207	668352	11.45%	0.683%
66	13.715	1972	1977	1980	rBV2	625873	853526	14.62%	0.872%
67	13.745	1980	1982	1984	rVV	686591	582414	9.98%	0.595%
68	13.768	1984	1986	1991	rVV2	459939	690715	11.83%	0.706%
69	13.815	1991	1994	2000	rVB	866995	972579	16.66%	0.994%
70	13.962	2012	2019	2023	rBV2	3814988	5766042	98.80%	5.891%
71	13.998	2023	2025	2033	rVB	3096067	2819841	48.32%	2.881%

LSC Area Percent Report

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Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.074	2036	2038	2040	rVB	282061	209022	3.58%	0.214%
73	14.192	2054	2058	2061	rBV3	222441	323007	5.53%	0.330%
74	14.227	2061	2064	2066	rVB	167271	157948	2.71%	0.161%
75	14.286	2071	2074	2077	rVB4	137300	162407	2.78%	0.166%
76	14.315	2077	2079	2081	rBV	211229	208061	3.56%	0.213%
77	14.356	2081	2086	2089	rVV	746025	795599	13.63%	0.813%
78	14.386	2089	2091	2094	rVB	425956	381151	6.53%	0.389%
79	14.445	2095	2101	2104	rBV5	383794	708820	12.15%	0.724%
80	14.480	2104	2107	2109	rVV	398334	450132	7.71%	0.460%
81	14.498	2109	2110	2114	rVB2	320770	256773	4.40%	0.262%
82	14.545	2114	2118	2124	rVB3	258065	437357	7.49%	0.447%
83	14.656	2133	2137	2140	rBV3	204667	283412	4.86%	0.290%
84	14.739	2148	2151	2154	rBV2	210378	226450	3.88%	0.231%
85	14.821	2161	2165	2167	rBV2	389787	587324	10.06%	0.600%
86	15.004	2190	2196	2199	rBV2	2508619	4227033	72.43%	4.319%
87	15.104	2210	2213	2216	rVB	473996	464025	7.95%	0.474%
88	15.192	2225	2228	2229	rBV2	111358	117456	2.01%	0.120%
89	15.251	2235	2238	2240	rVB	126621	131513	2.25%	0.134%
90	15.298	2241	2246	2251	rVB	1597690	2099902	35.98%	2.145%
91	15.356	2251	2256	2261	rVB	2194567	2827617	48.45%	2.889%
92	15.421	2261	2267	2269	rBV	1393174	1884126	32.28%	1.925%
93	15.445	2269	2271	2278	rVB2	685293	947313	16.23%	0.968%
94	15.962	2357	2359	2369	rVB3	159046	255553	4.38%	0.261%
95	16.662	2474	2478	2481	rBV2	127191	228619	3.92%	0.234%
96	16.856	2504	2511	2518	rVB2	1044090	2061653	35.33%	2.106%
97	17.015	2534	2538	2543	rBV	183686	348730	5.98%	0.356%
98	17.074	2545	2548	2554	rVB2	158002	259860	4.45%	0.265%
99	17.286	2577	2584	2594	rVB	823420	1715138	29.39%	1.752%
100	17.509	2618	2622	2629	rVB	138030	255321	4.37%	0.261%

Sum of corrected areas: 97881887

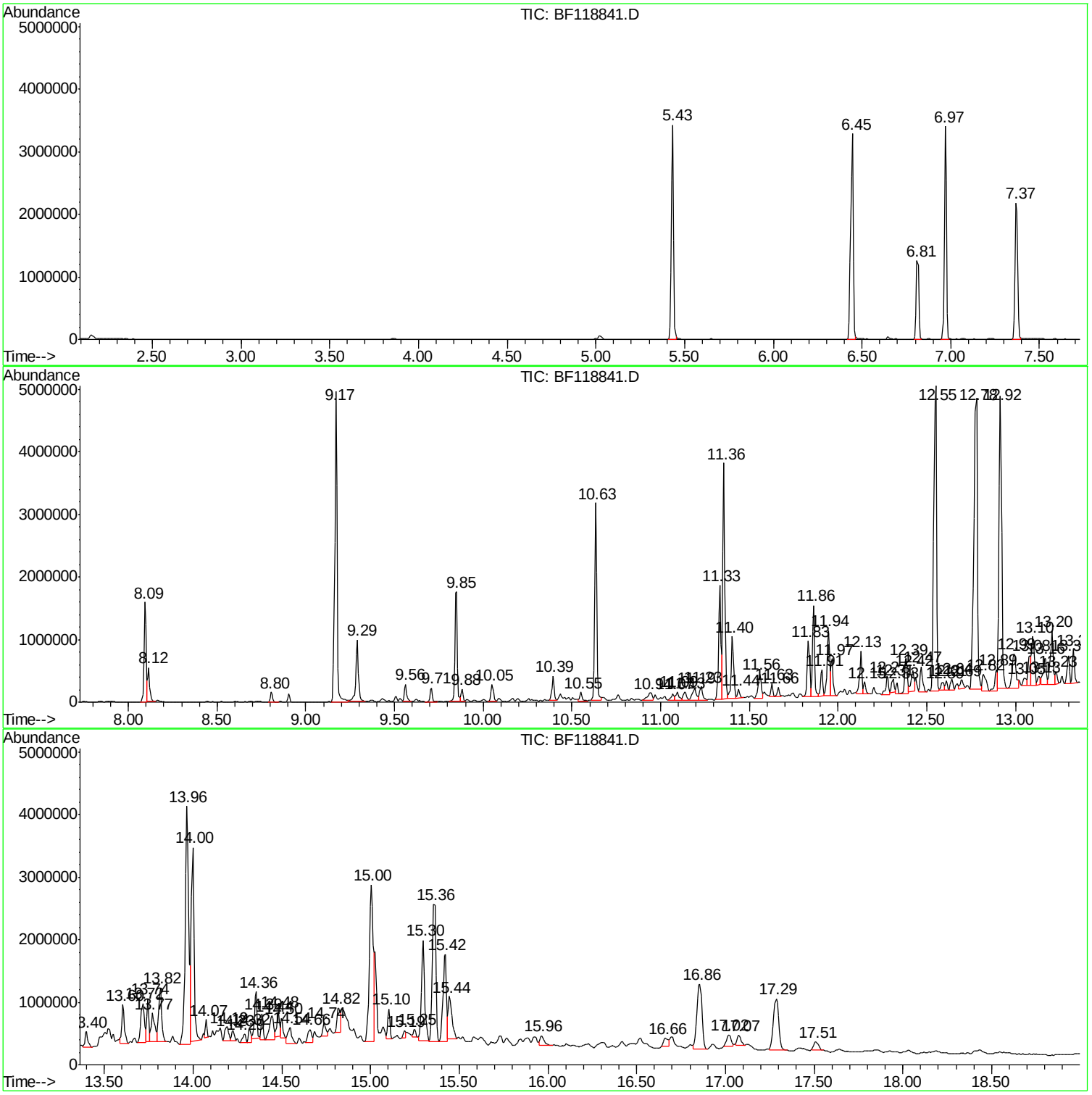
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

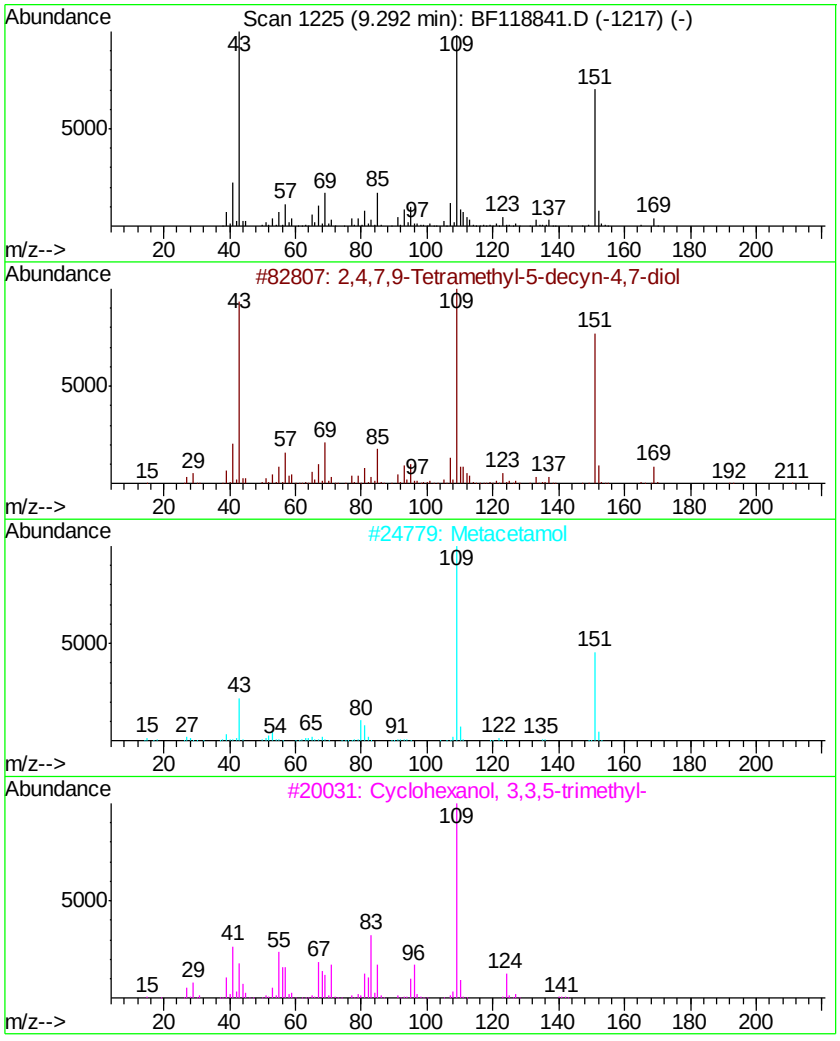
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

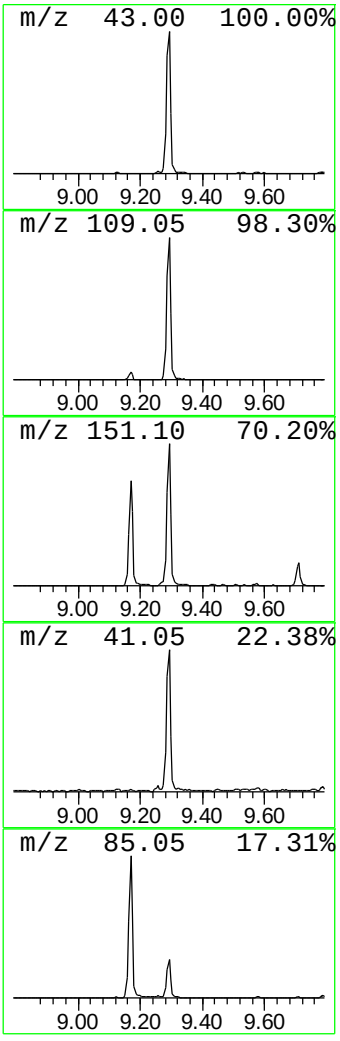
****

Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	11.34 ng	996232	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	53
3	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	43
4	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	42
5	1-(1,2,3-Trimethyl-cyclopent-2-e...	152	C10H16O	070987-81-4	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

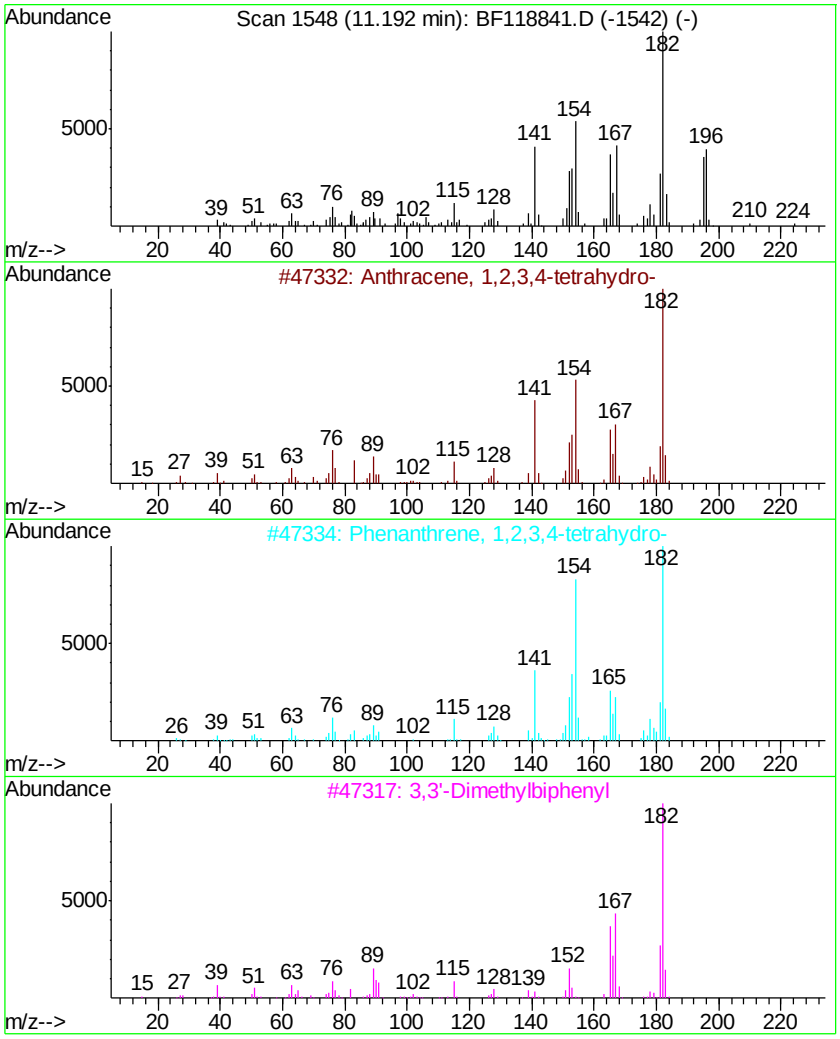
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

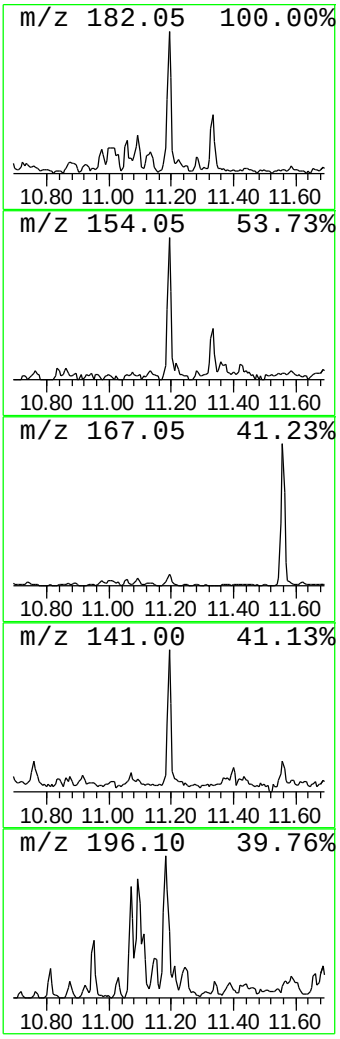
****

Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	3.15 ng	294398	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	96
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

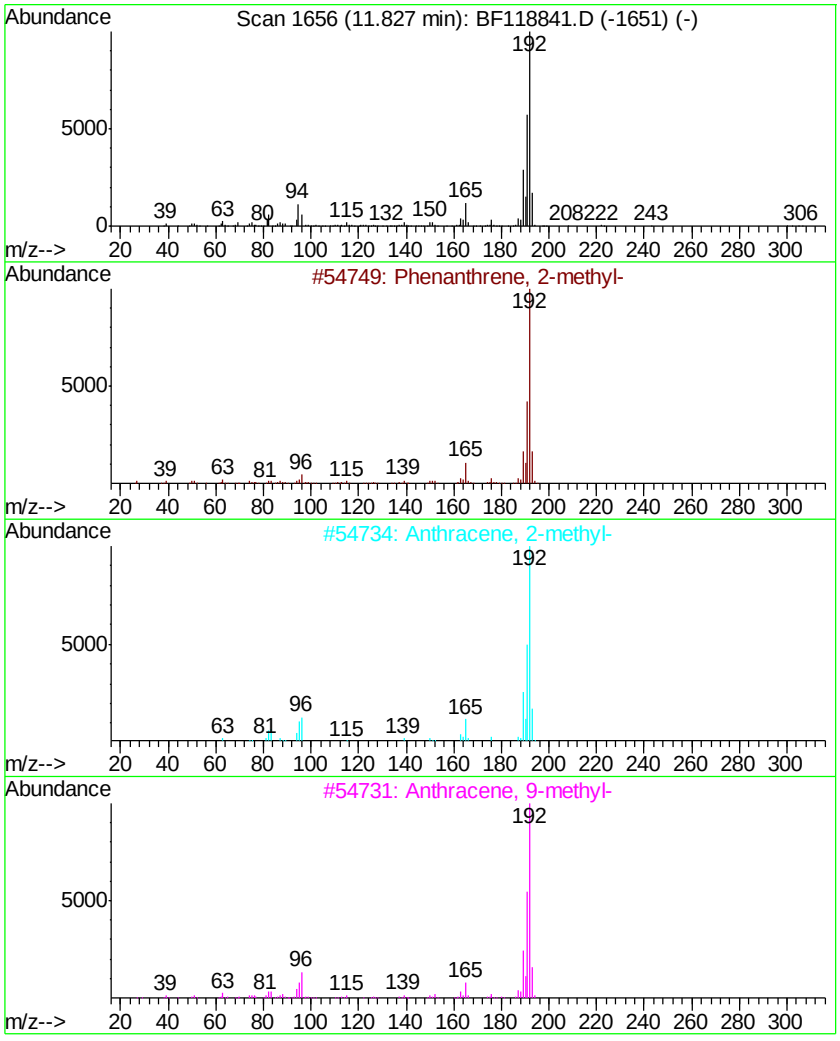
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

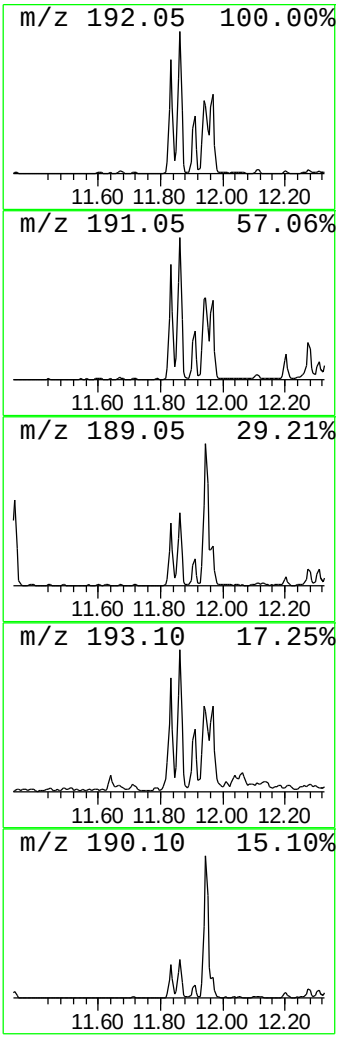
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	8.47 ng	790469	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

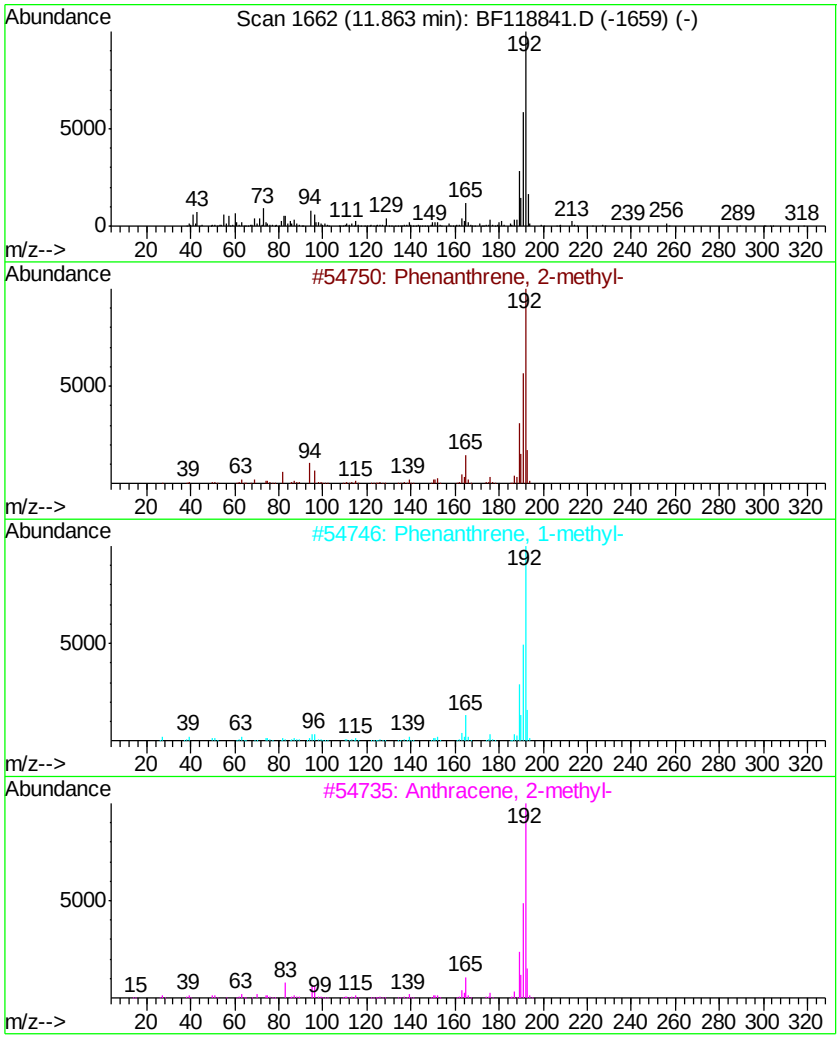
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

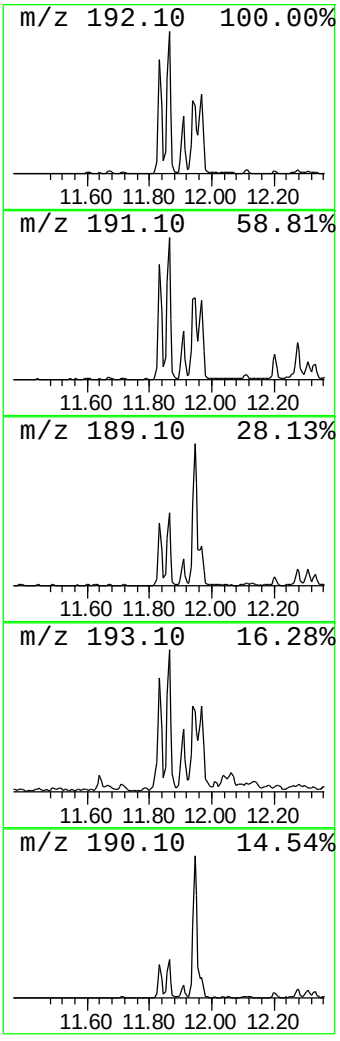
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	13.56 ng	1265920	Phenanthrene-d10	11.33

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

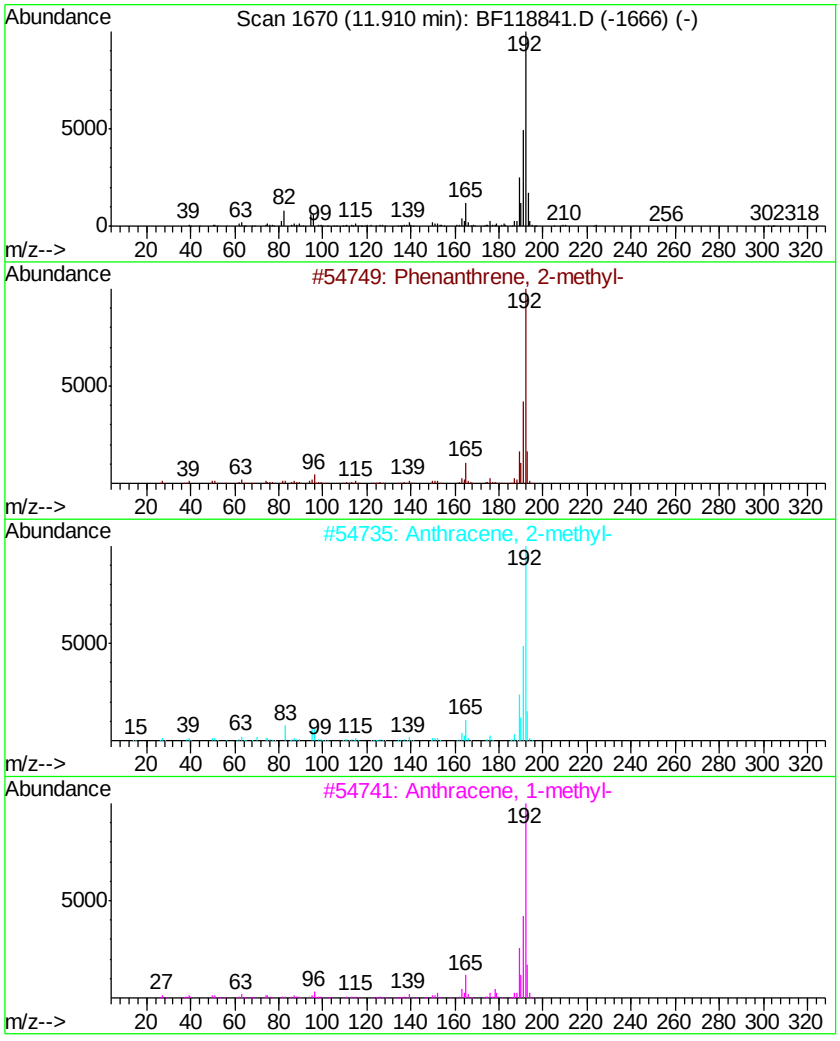
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

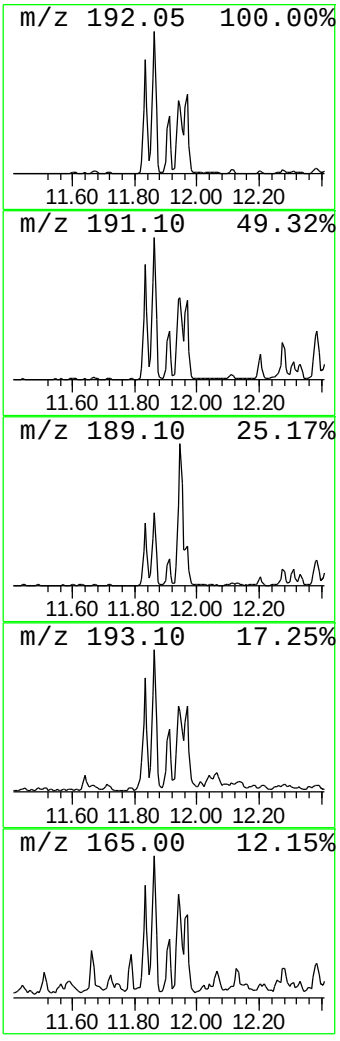
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	4.27 ng	398553	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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

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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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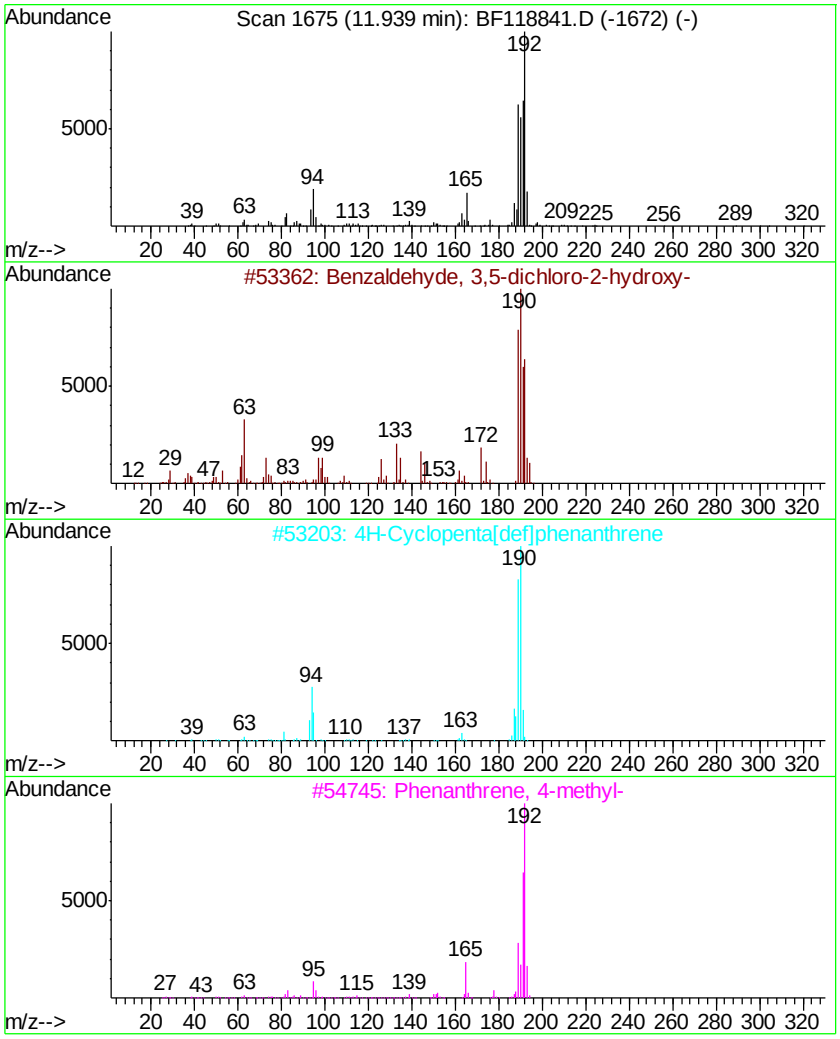
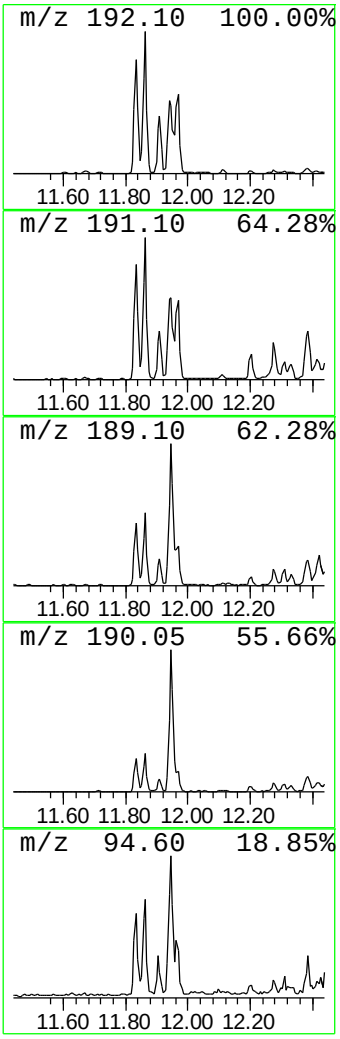
Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	12.45 ng	1161850	Phenanthrene-d10	11.33

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	55
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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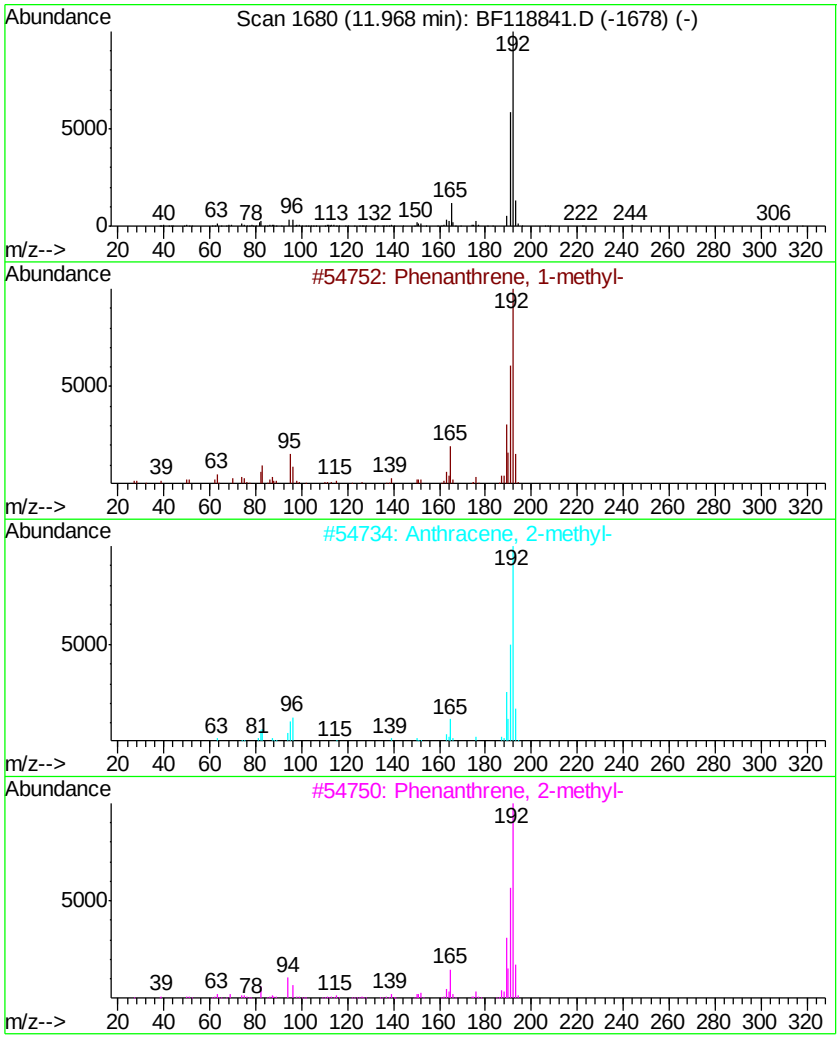
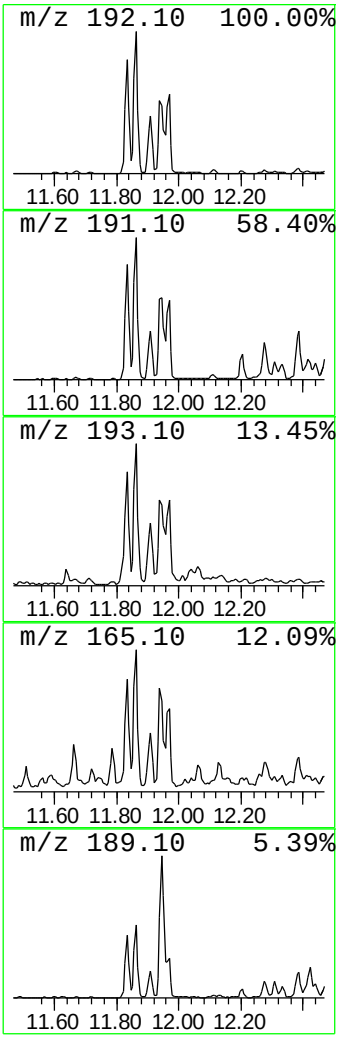
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.12 ng	478216	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Library Search Compound Report

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ClientSampleId : SHORE-RD-PATH-BH-04-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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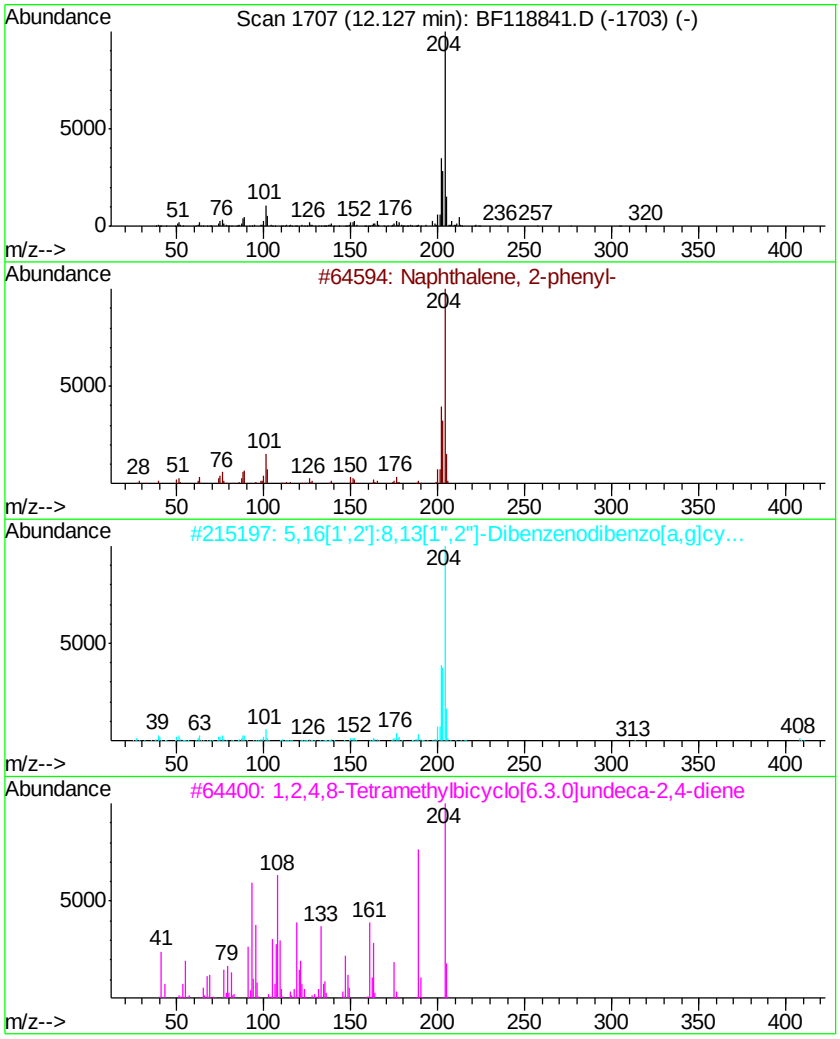
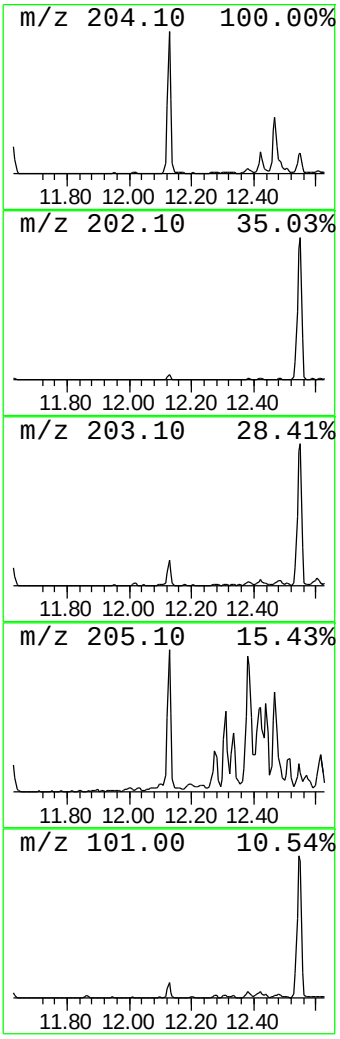
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	6.12 ng	571650	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

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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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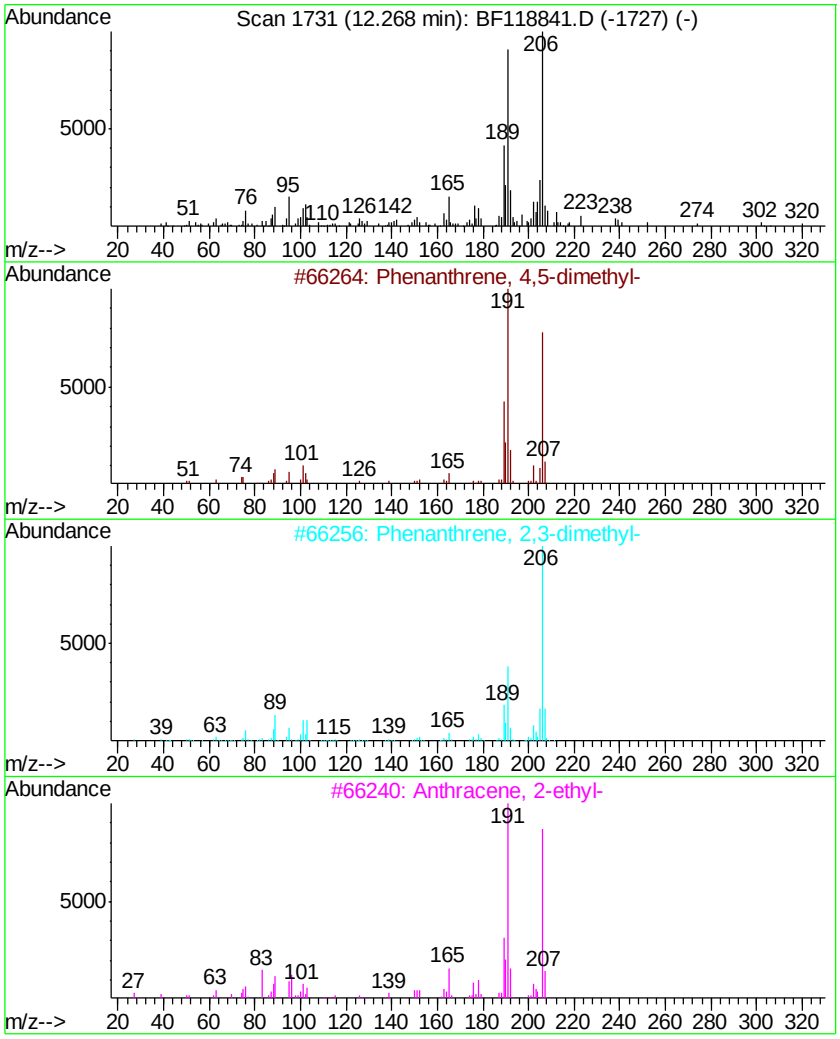
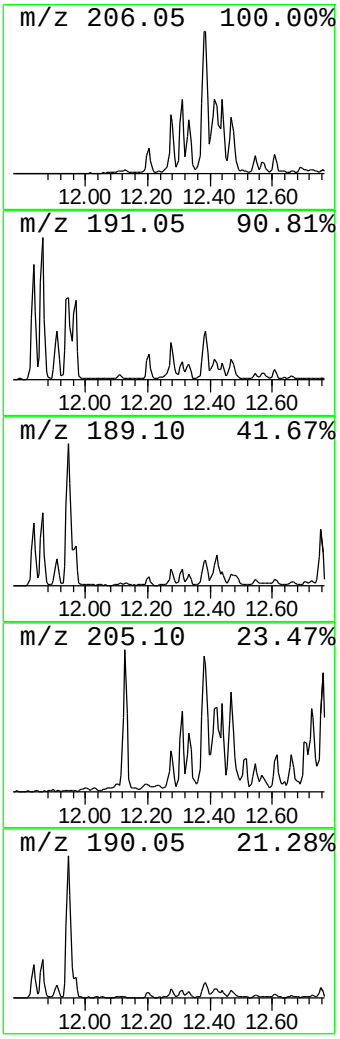
Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.51 ng	327343	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	81





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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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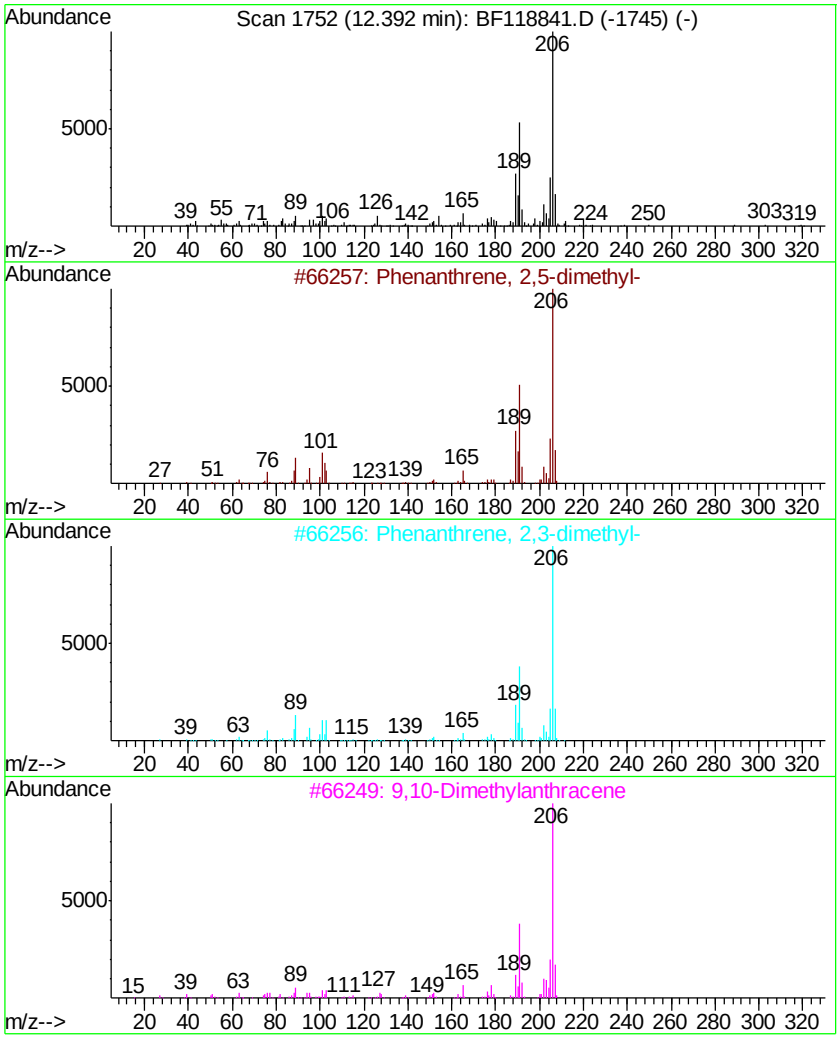
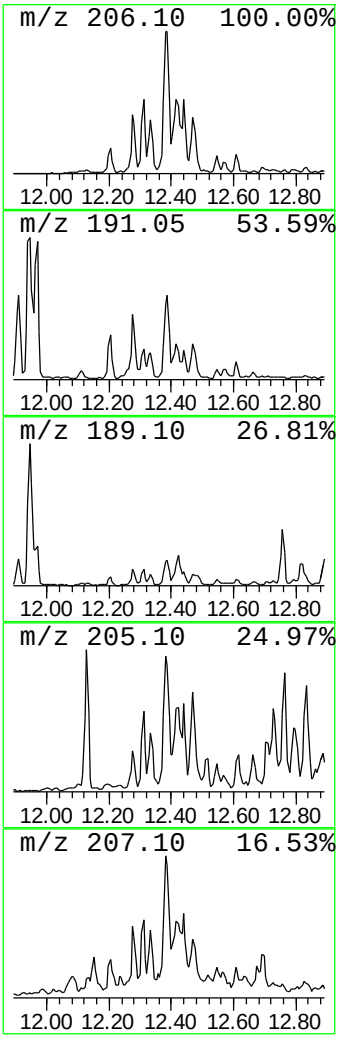
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	7.19 ng	671437	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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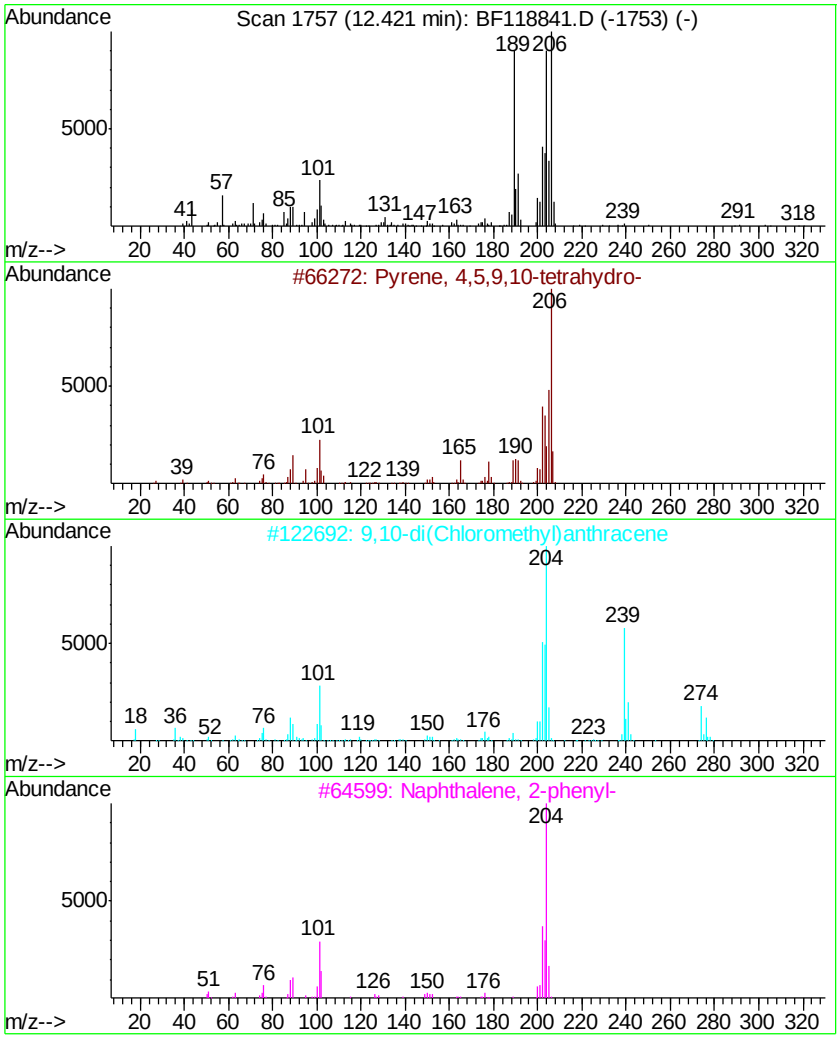
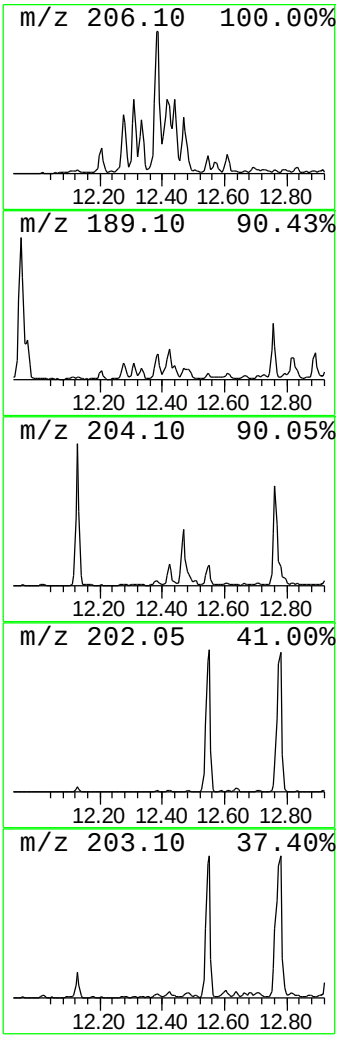
Peak Number 12 unknown12.42 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.74 ng	442179	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27





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Sample : L1408-12
Misc :
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Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

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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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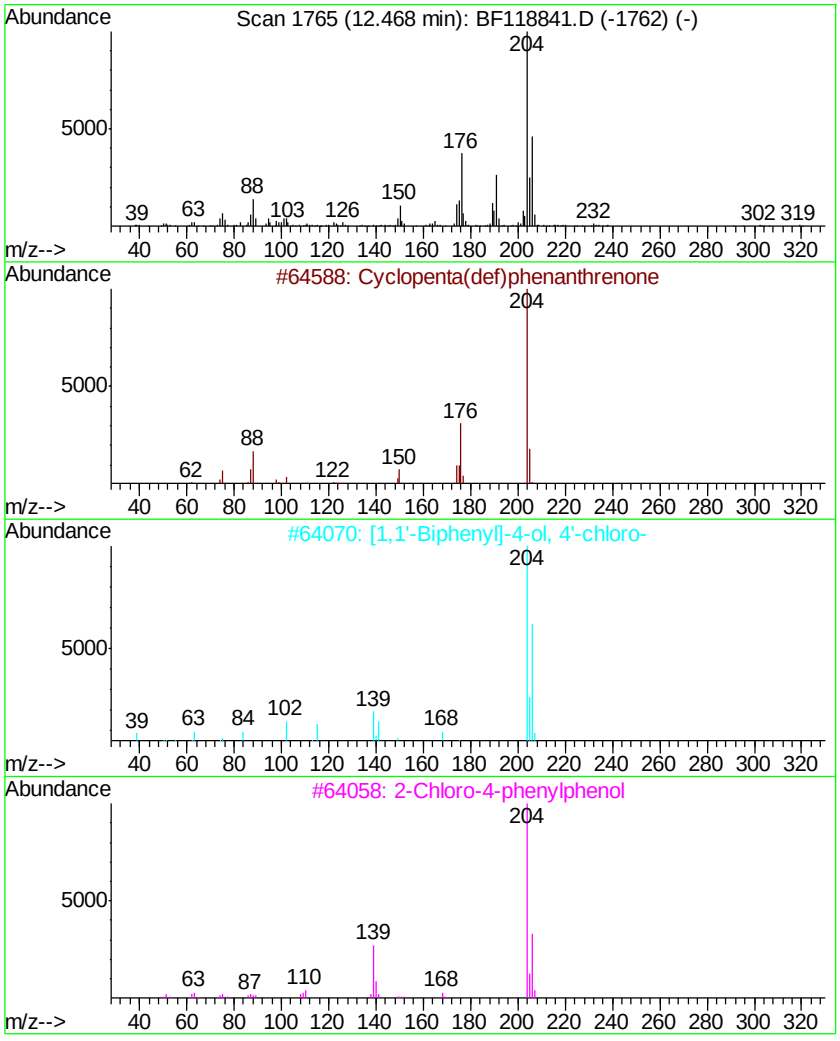
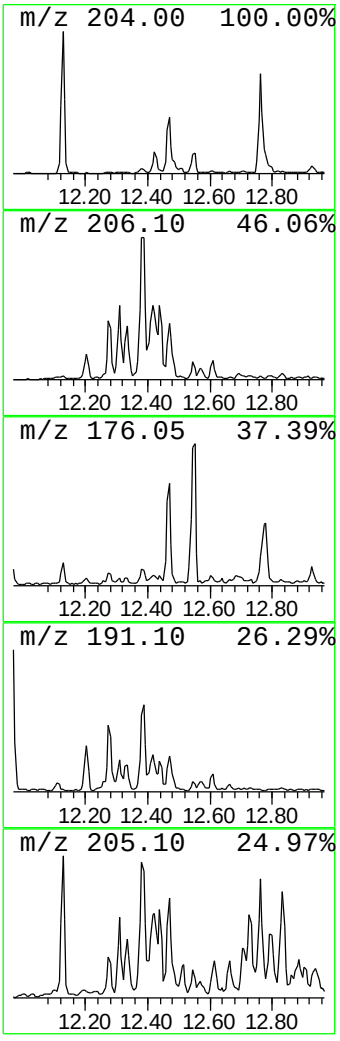
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.65 ng	434157	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





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Sample : L1408-12
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ALS Vial : 12 Sample Multiplier: 1

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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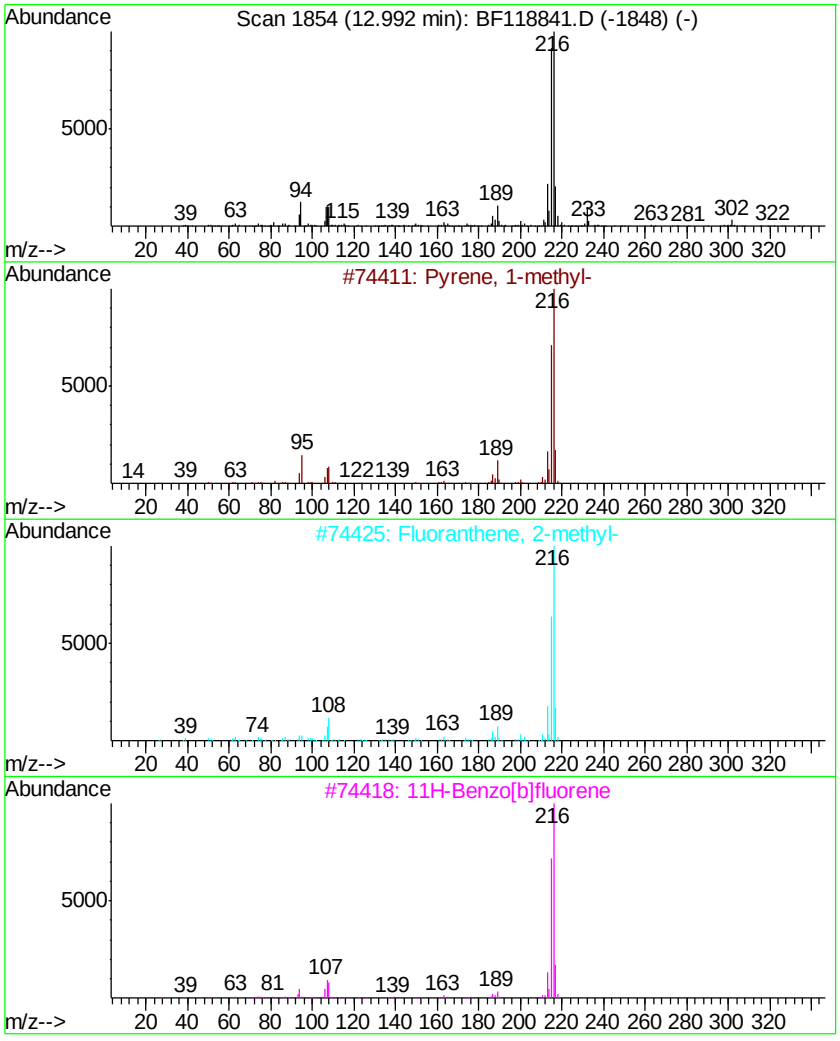
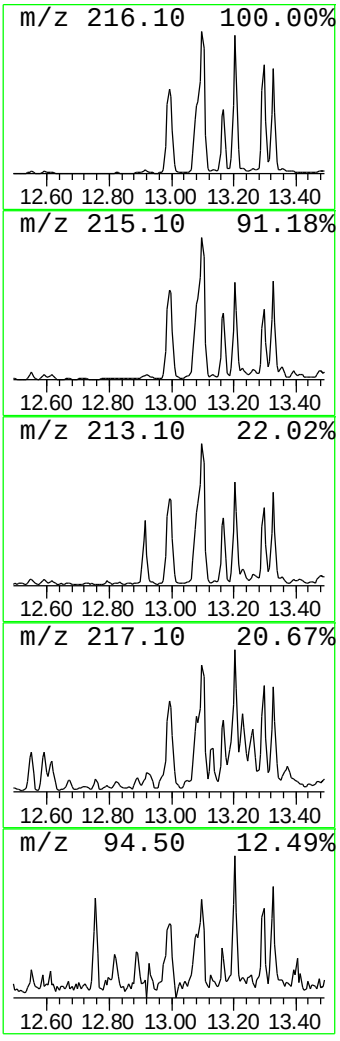
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.26 ng	938836	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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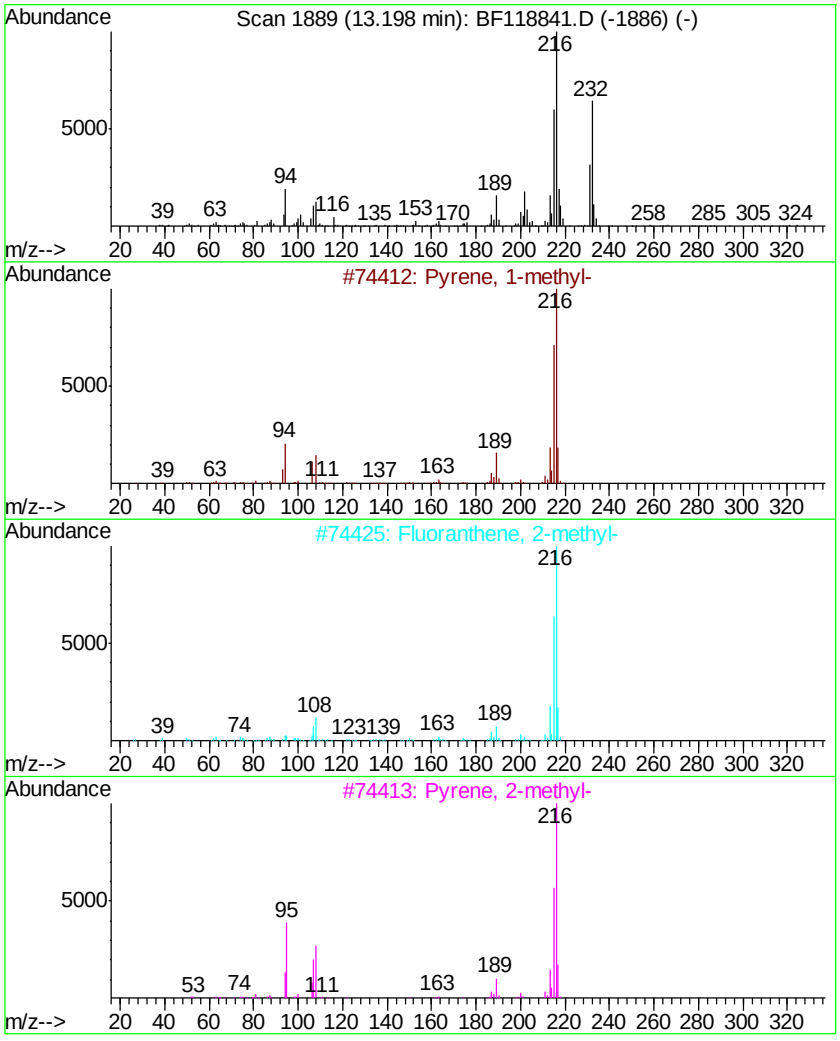
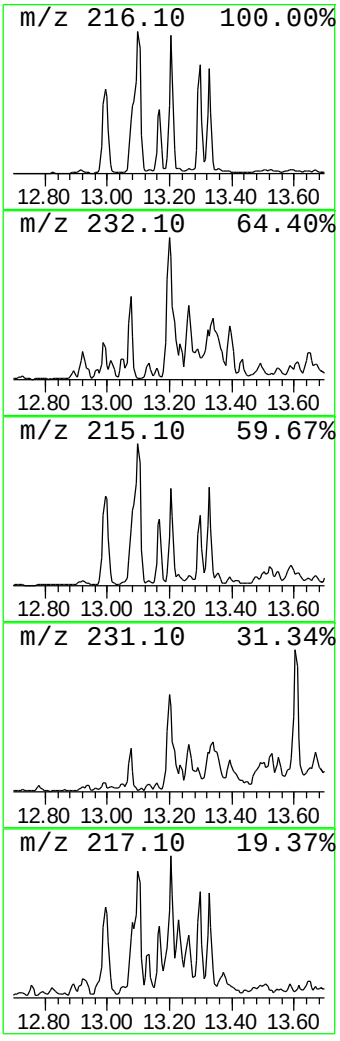
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	3.24 ng	934978	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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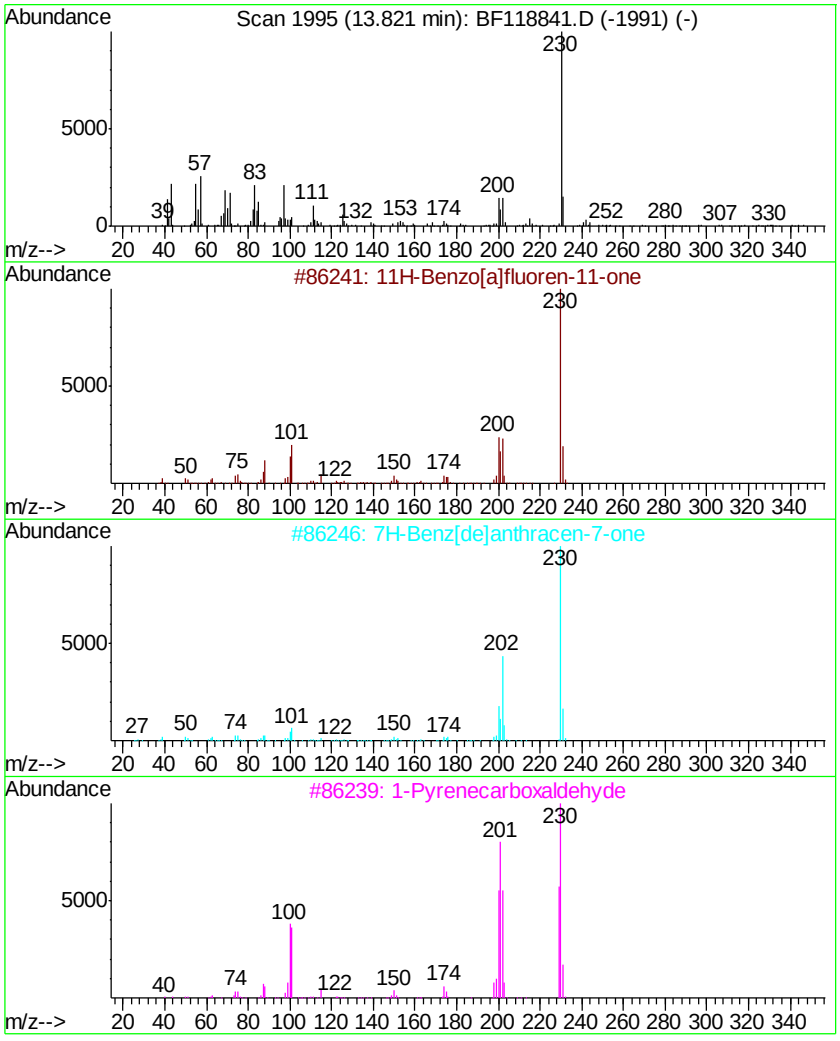
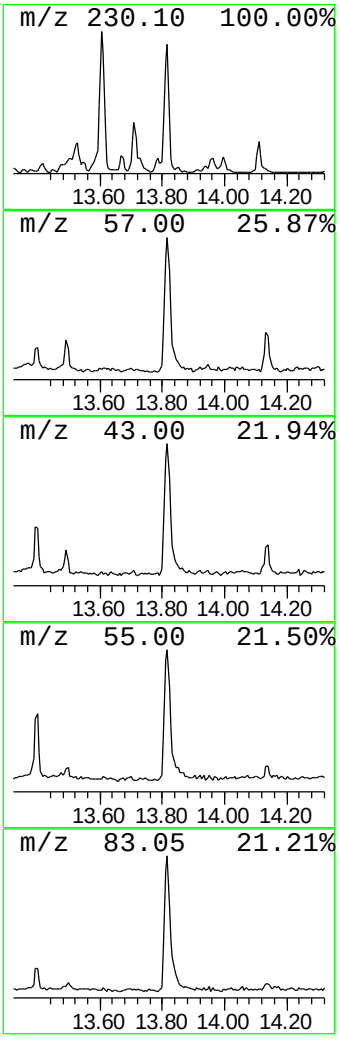
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.37 ng	972579	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	59
4	o-Terphenyl	230	C18H14	000084-15-1	47
5	Benzo(a)phenazine	230	C16H10N2	000225-61-6	43





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

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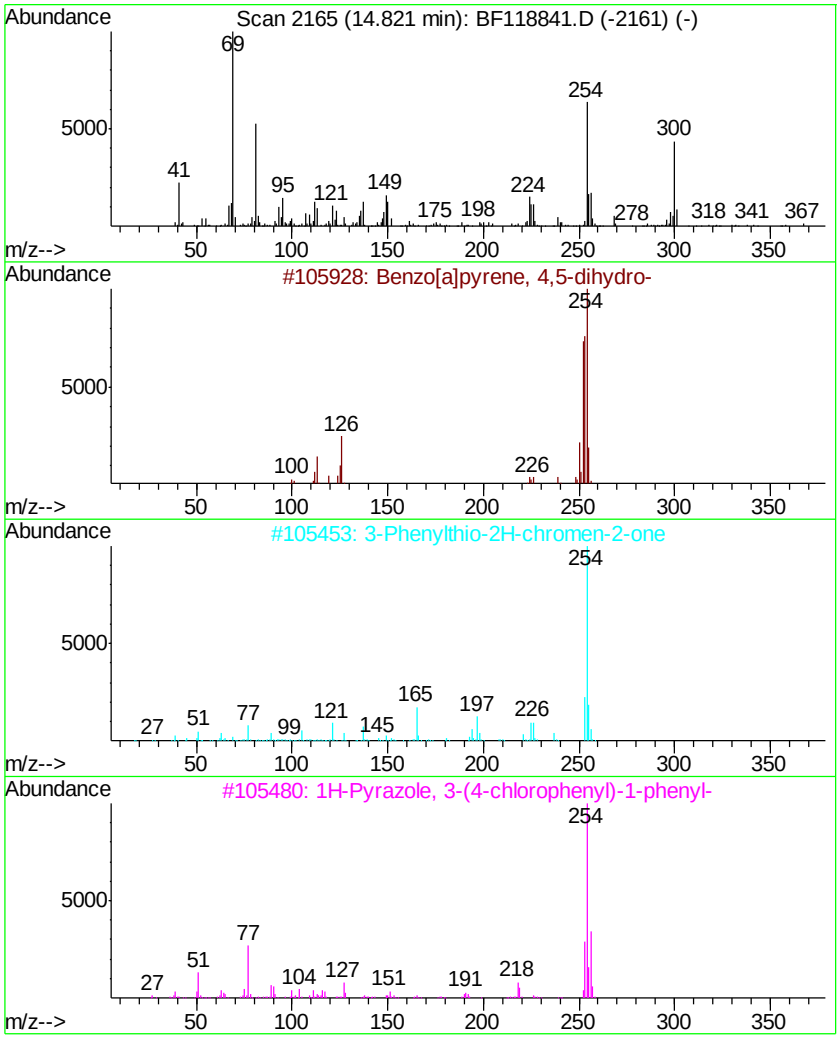
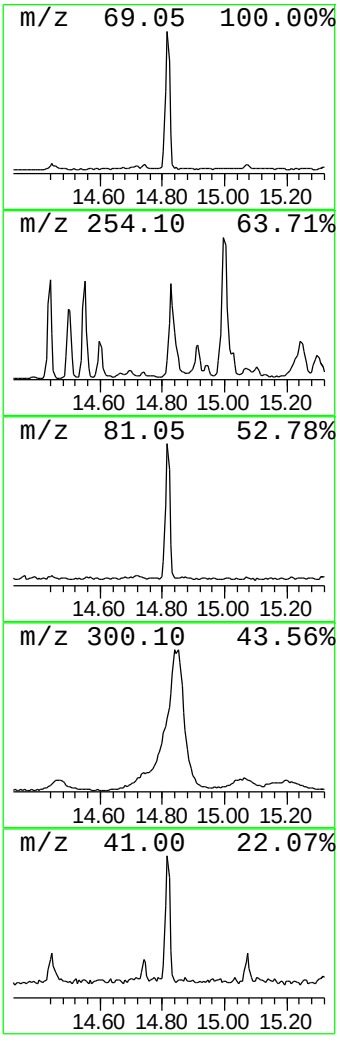
Peak Number 17 unknown14.82 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	6.23 ng	587324	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	27
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	18
3	1H-Pyrazole, 3-(4-chlorophenyl)-...	254	C15H11ClN2	033064-19-6	11
4	Chlorambucil	303	C14H19Cl2NO2	000305-03-3	10
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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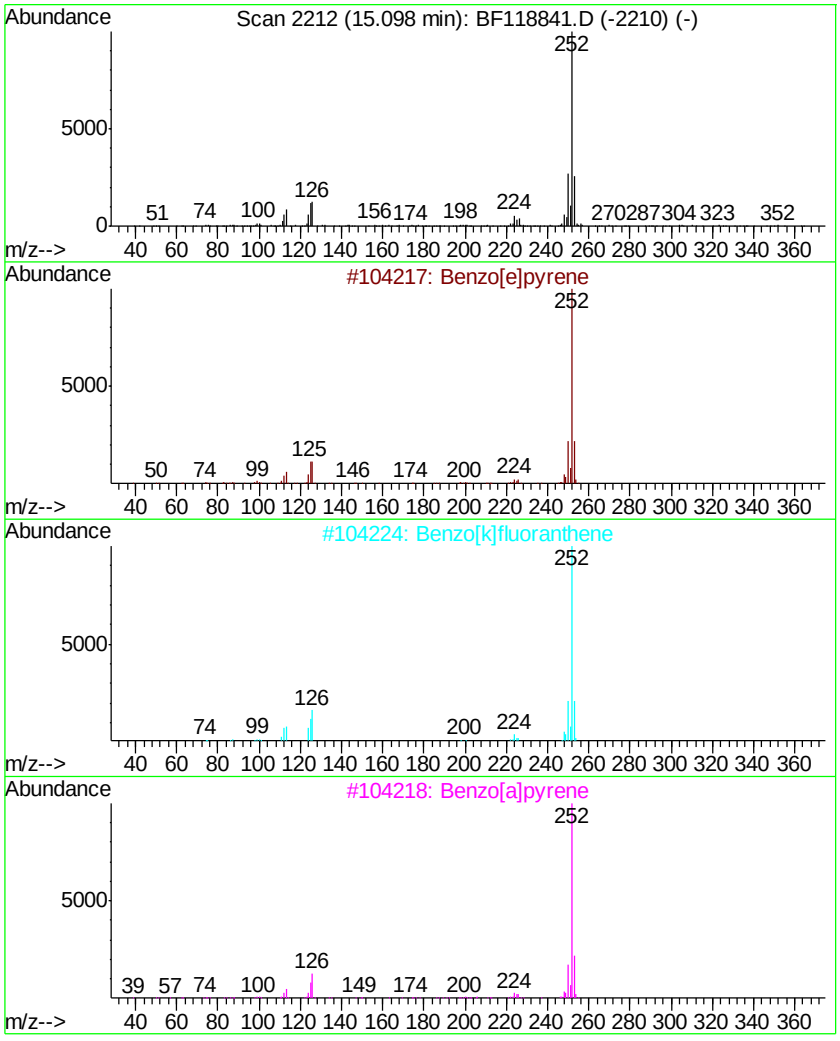
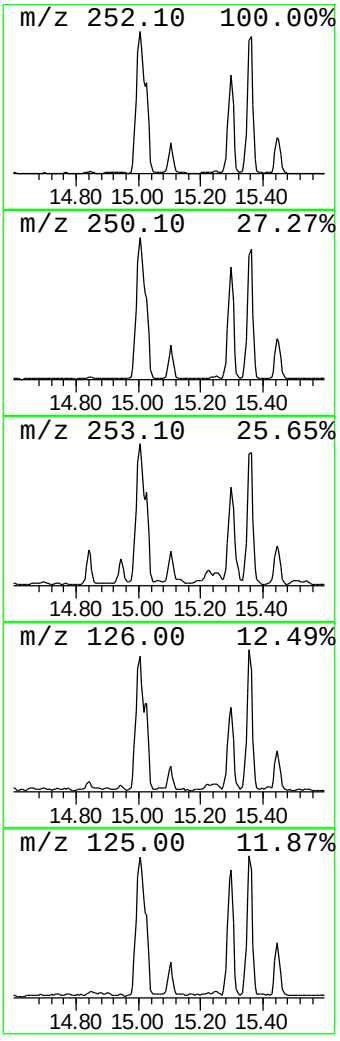
Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	4.93 ng	464025	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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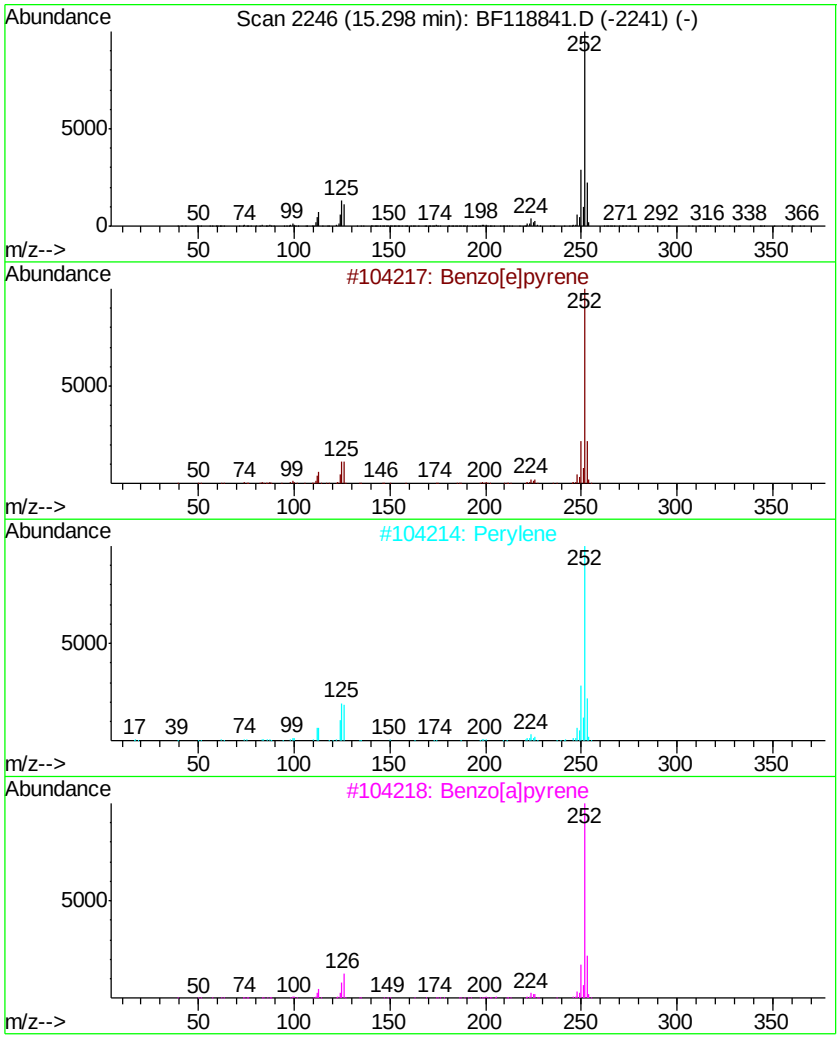
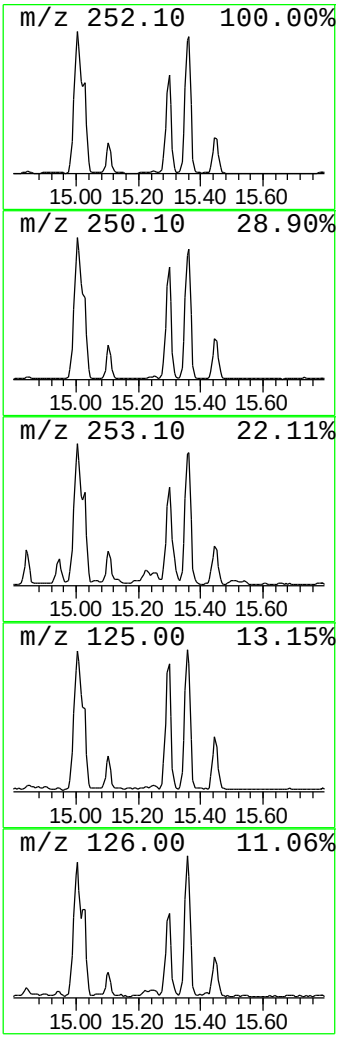
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	22.29 ng	2099900	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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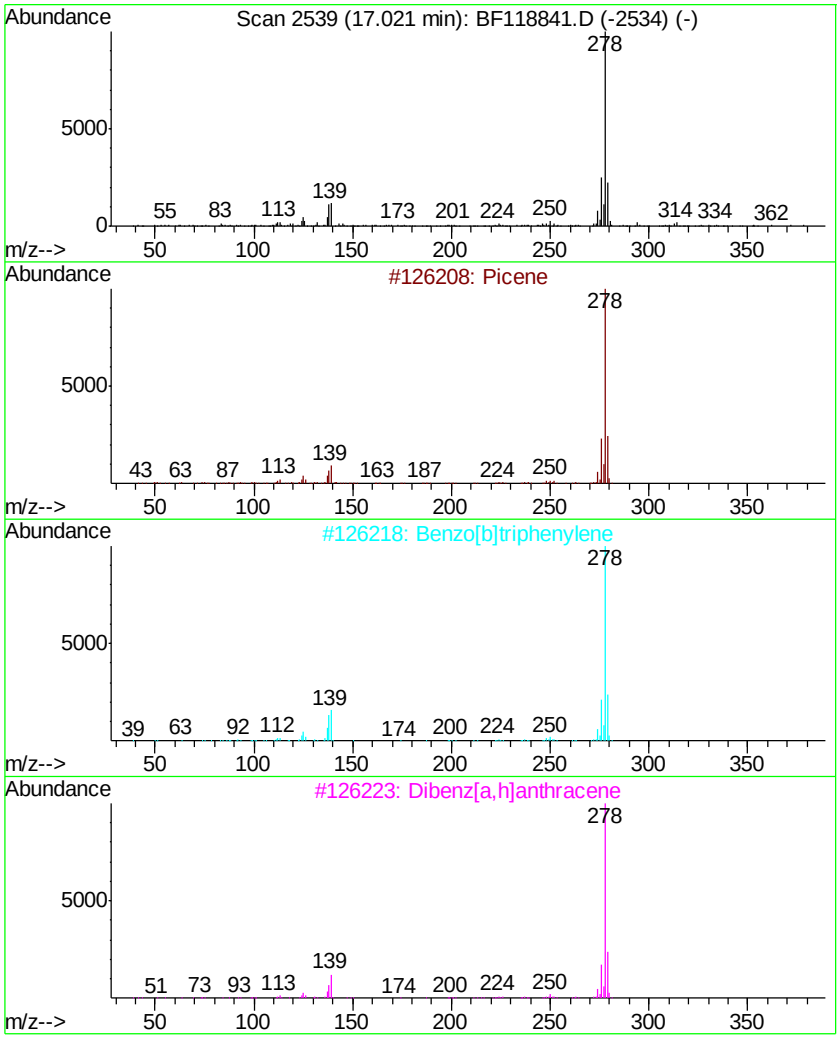
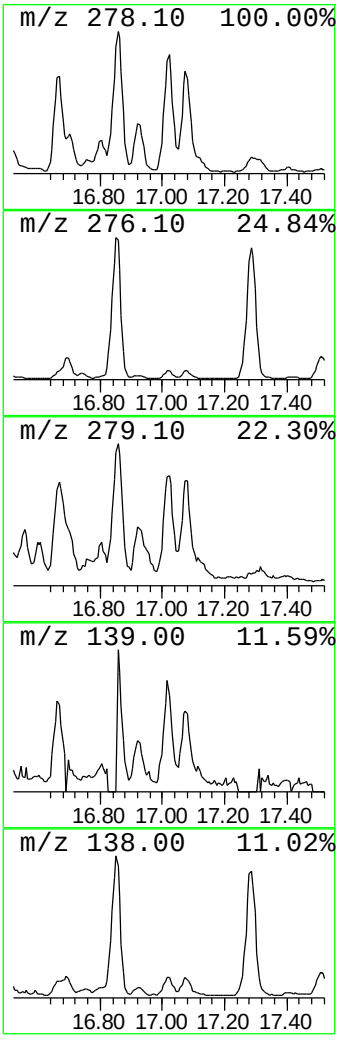
Peak Number 20 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.70 ng	348730	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	93
5	Benzo[b]chrysene	278	C22H14	000214-17-5	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020620\
Data File : BF118841.D
Acq On : 6 Feb 2020 17:09
Operator : CG/JU
Sample : L1408-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-04-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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
2,4,7,9-Tetrameth...	9.29	11.3	ng	996232	3	9.85	1757710	20.0
Anthracene, 1,2,3...	11.19	3.1	ng	294398	4	11.33	1866620	20.0
Phenanthrene, 2-m...	11.83	8.5	ng	790469	4	11.33	1866620	20.0
Phenanthrene, 1-m...	11.86	13.6	ng	1265920	4	11.33	1866620	20.0
Anthracene, 2-met...	11.91	4.3	ng	398553	4	11.33	1866620	20.0
Benzaldehyde, 3,5...	11.94	12.4	ng	1161850	4	11.33	1866620	20.0
1H-Cyclopropa[l]p...	11.97	5.1	ng	478216	4	11.33	1866620	20.0
Naphthalene, 2-ph...	12.13	6.1	ng	571650	4	11.33	1866620	20.0
Phenanthrene, 4,5...	12.27	3.5	ng	327343	4	11.33	1866620	20.0
Phenanthrene, 2,5...	12.39	7.2	ng	671437	4	11.33	1866620	20.0
unknown12.42	12.42	4.7	ng	442179	4	11.33	1866620	20.0
Cyclopenta(def)ph...	12.47	4.7	ng	434157	4	11.33	1866620	20.0
Pyrene, 1-methyl-	12.99	3.3	ng	938836	5	13.97	5766040	20.0
Pyrene, 2-methyl-	13.20	3.2	ng	934978	5	13.97	5766040	20.0
11H-Benzo[a]fluor...	13.82	3.4	ng	972579	5	13.97	5766040	20.0
unknown14.82	14.82	6.2	ng	587324	6	15.42	1884130	20.0
Benzo[e]pyrene	15.10	4.9	ng	464025	6	15.42	1884130	20.0
Benzo[j]fluoranthene	15.30	22.3	ng	2099900	6	15.42	1884130	20.0
Picene	17.02	3.7	ng	348730	6	15.42	1884130	20.0