LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

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-BF082720.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	2.140	4	9	18	rVB	1694015	2142669	18.34%	1.288%
2	5.469	570	575	578	rBV	4725584	4535418	38.83%	2.727%
3	6.481	742	747	750	rBV	4739475	4667621	39.96%	2.807%
4	6.857	807	811	814	rBV	2027806	1701555	14.57%	1.023%
5	7.416	901	906	909	rBV	3518430	3262186	27.93%	1.962%
6	8.139	1025	1029	1032	rBV	2671772	2247195	19.24%	1.351%
7	9.216	1207	1212	1216	rBV	6326984	5985610	51.24%	3.599%
8	9.557	1266	1270	1272	rBV	187916	188213	1.61%	0.113%
9	9.610	1276	1279	1286	rVB	542442	464154	3.97%	0.279%
10	9.757	1301	1304	1308	rVB	659772	514760	4.41%	0.310%
11	9.898	1322	1328	1331	rBV	2949510	2595407	22.22%	1.561%
12	9.927	1331	1333	1337	rVV	709351	564780	4.83%	0.340%
13	10.098	1359	1362	1366	rBV	391731	337373	2.89%	0.203%
14	10.304	1393	1397	1399	rBV	170054	202496	1.73%	0.122%
15	10.445	1417	1421	1426	rBV	633488	637184	5.45%	0.383%
16	10.510	1430	1432	1434	rVV	264013	214539	1.84%	0.129%
17	10.598	1445	1447	1453	rVV	284015	325429	2.79%	0.196%
18	10.686	1457	1462	1465	rVV	4096113	3646717	31.22%	2.193%
19	10.810	1477	1483	1486	rBV4	240037	273376	2.34%	0.164%
20	10.992	1508	1514	1517	rBV3	345691	509111	4.36%	0.306%
21	11.022	1517	1519	1522	rVV2	258704	243430	2.08%	0.146%
22	11.121	1531	1536	1538	rBV3	291729	410651	3.52%	0.247%
23	11.145	1538	1540	1544	rVV2	316206	332103	2.84%	0.200%
24	11.186	1544	1547	1551	rVV2	413851	403262	3.45%	0.243%
25	11.233	1551	1555	1561	rVV4	306614	585418	5.01%	0.352%
26	11.280	1561	1563	1569	rVB	485962	456866	3.91%	0.275%
27	11.386	1577	1581	1583	rBV	2506216	2552033	21.85%	1.535%
28	11.416	1583	1586	1589	rVV	6789500	6300745	53.94%	3.789%
29	11.463	1589	1594	1596	rVV	2119910	1819123	15.57%	1.094%
30	11.492	1596	1599	1602	rVV2	311891	312724	2.68%	0.188%
31	11.610	1614	1619	1622	rBV2	509607	633099	5.42%	0.381%
32	11.680	1628	1631	1633	rVV	409988	299860	2.57%	0.180%
33	11.716	1634	1637	1639	rVV	365189	277527	2.38%	0.167%
34	11.886	1663	1666	1669	rVV	1901379	1898422	16.25%	1.142%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.916	1669	1671	1675	rVV	2949702	2430445	20.81%	1.462%
36	11.963	1675	1679	1682	rVV	983076	905919	7.76%	0.545%
37	11.998	1682	1685	1688	rVV2	2790619	3307281	28.31%	1.989%
38	12.021	1688	1689	1693	rVB	1665551	1064227	9.11%	0.640%
39	12.121	1703	1706	1708	rVB	222862	189918	1.63%	0.114%
40	12.163	1708	1713	1714	rBV3	129971	211015	1.81%	0.127%
41	12.180	1714	1716	1719	rVV	1115231	1133961	9.71%	0.682%
42	12.210	1719	1721	1724	rVV2	700226	622988	5.33%	0.375%
43	12.257	1727	1729	1733	rVV	288063	234504	2.01%	0.141%
44	12.333	1739	1742	1745	rVB	603411	469435	4.02%	0.282%
45	12.363	1745	1747	1749	rBV	533685	399471	3.42%	0.240%
46	12.386	1749	1751	1754	rVB	503301	411163	3.52%	0.247%
47	12.439	1756	1760	1763	rBV	1516339	1617815	13.85%	0.973%
48	12.474	1763	1766	1769	rVV	839668	1023501	8.76%	0.615%
49	12.498	1769	1770	1772	rVB	462470	222602	1.91%	0.134%
50	12.527	1772	1775	1780	rVB2	1078466	1232534	10.55%	0.741%
51	12.610	1784	1789	1792	rBV	8388874	9661595	82.71%	5.810%
52	12.651	1792	1796	1797	rBV	263108	265751	2.28%	0.160%
53	12.663	1797	1798	1801	rVB2	348916	275854	2.36%	0.166%
54	12.692	1801	1803	1806	rVB	263982	246063	2.11%	0.148%
55	12.733	1806	1810	1811	rBV2	354279	378187	3.24%	0.227%
56	12.839	1822	1828	1832	rBV2	7873905	11681135	100.00%	7.024%
57	12.880	1832	1835	1840	rVB2	648521	967475	8.28%	0.582%
58	12.951	1843	1847	1848	rBV2	604769	622558	5.33%	0.374%
59	12.974	1848	1851	1858	rVB2	5375456	5632168	48.22%	3.387%
60	13.051	1859	1864	1867	rBV3	1196306	1758746	15.06%	1.058%
61	13.104	1871	1873	1875	rBV2	250348	279885	2.40%	0.168%
62	13.133	1875	1878	1880	rVV3	865733	1059324	9.07%	0.637%
63	13.157	1880	1882	1885	rVB	1853869	1776424	15.21%	1.068%
64	13.192	1885	1888	1889	rBV	269249	242247	2.07%	0.146%
65	13.227	1891	1894	1896	rVB	1133555	980562	8.39%	0.590%
66	13.263	1896	1900	1903	rBV2	1754847	1839091	15.74%	1.106%
67	13.286	1903	1904	1907	rVV	413208	353983	3.03%	0.213%
68	13.321	1907	1910	1912	rVV2	259114	218498	1.87%	0.131%
69	13.357	1913	1916	1918	rVV	1045974	845495	7.24%	0.508%
70	13.386	1918	1921	1924	rVB	1164642	983890	8.42%	0.592%
71	13.463	1932	1934	1939	rVB5	310972	392828	3.36%	0.236%

LSC Area Percent Report

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Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.557	1944	1950	1953	rBV5	431467	931681	7.98%	0.560%
73	13.610	1957	1959	1962	rVB3	236007	185593	1.59%	0.112%
74	13.663	1962	1968	1973	rBV2	1119836	1642128	14.06%	0.987%
75	13.774	1983	1987	1990	rBV2	1028789	1465923	12.55%	0.882%
76	13.810	1990	1993	1995	rVV	1263956	1226199	10.50%	0.737%
77	13.833	1995	1997	2001	rVV2	837431	1154585	9.88%	0.694%
78	13.874	2001	2004	2011	rVB	1916702	2194528	18.79%	1.320%
79	14.027	2023	2030	2033	rBV2	5659600	8401304	71.92%	5.052%
80	14.062	2033	2036	2043	rVB	5249301	5401753	46.24%	3.248%
81	14.115	2043	2045	2047	rBV2	267306	272344	2.33%	0.164%
82	14.139	2047	2049	2052	rVB	779047	583221	4.99%	0.351%
83	14.251	2065	2068	2072	rBV2	439811	622438	5.33%	0.374%
84	14.286	2072	2074	2077	rVB	317815	255866	2.19%	0.154%
85	14.380	2088	2090	2092	rBV	409158	343066	2.94%	0.206%
86	14.421	2092	2097	2099	rVV	1460293	1728473	14.80%	1.039%
87	14.451	2099	2102	2105	rVB	996039	833645	7.14%	0.501%
88	14.545	2115	2118	2120	rBV	763111	759654	6.50%	0.457%
89	14.562	2120	2121	2125	rVB2	654484	490208	4.20%	0.295%
90	14.727	2146	2149	2151	rBV3	364611	388202	3.32%	0.233%
91	15.086	2204	2210	2213	rBV	3950918	7131485	61.05%	4.289%
92	15.186	2224	2227	2231	rVB	1000113	1058764	9.06%	0.637%
93	15.392	2257	2262	2267	rVB	2633475	3790218	32.45%	2.279%
94	15.457	2267	2273	2278	rVB	3961021	5484326	46.95%	3.298%
95	15.515	2278	2283	2285	rBV	1527279	1980421	16.95%	1.191%
96	15.545	2285	2288	2294	rVB2	1452264	1955944	16.74%	1.176%
97	16.998	2528	2535	2542	rVB2	1829597	3990425	34.16%	2.400%
98	17.168	2560	2564	2568	rVB	374030	547942	4.69%	0.330%
99	17.445	2604	2611	2621	rVB	1388441	3153685	27.00%	1.896%
100	17.668	2645	2649	2662	rVB2	416513	839142	7.18%	0.505%

Sum of corrected areas: 166292757

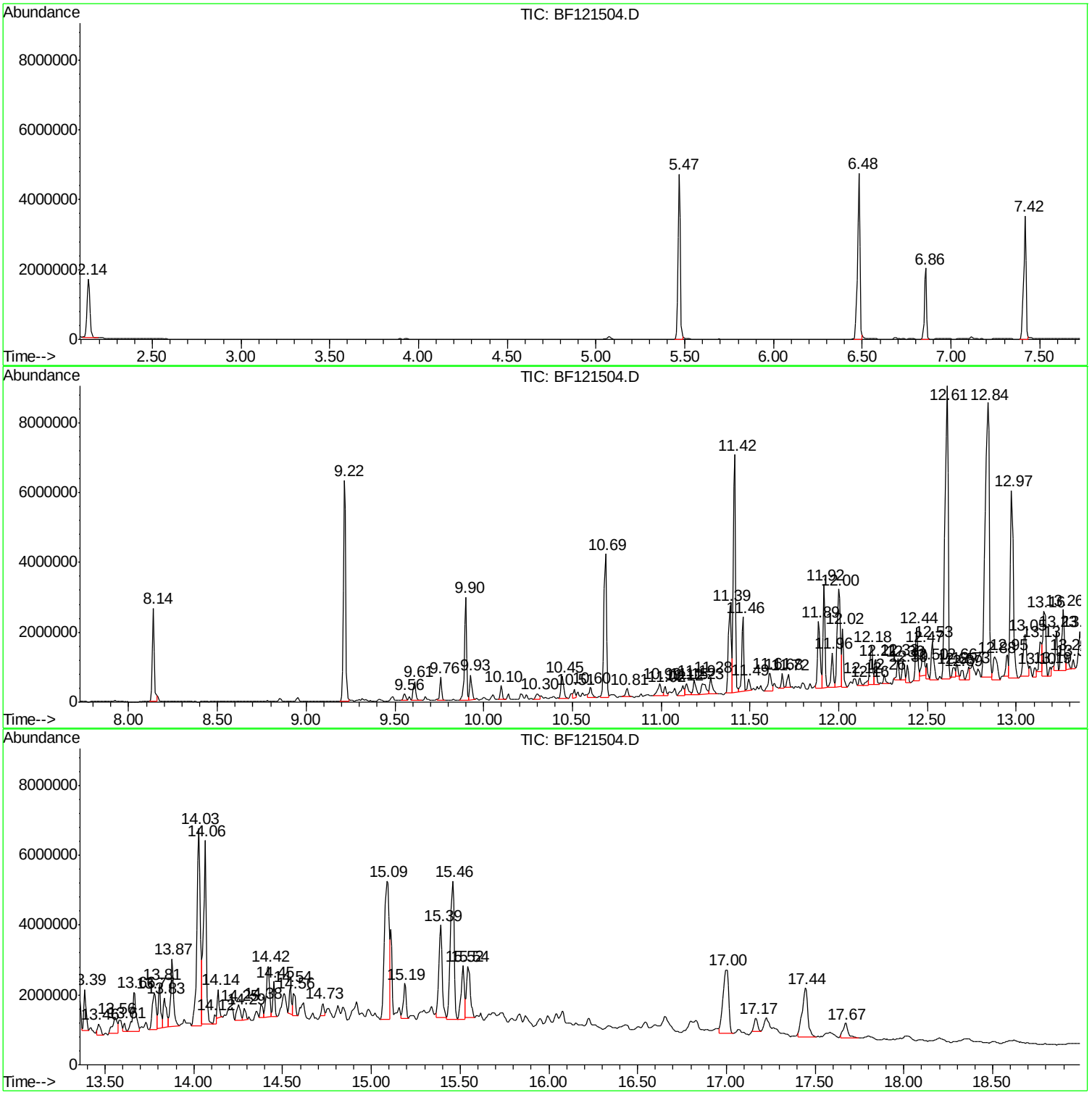
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

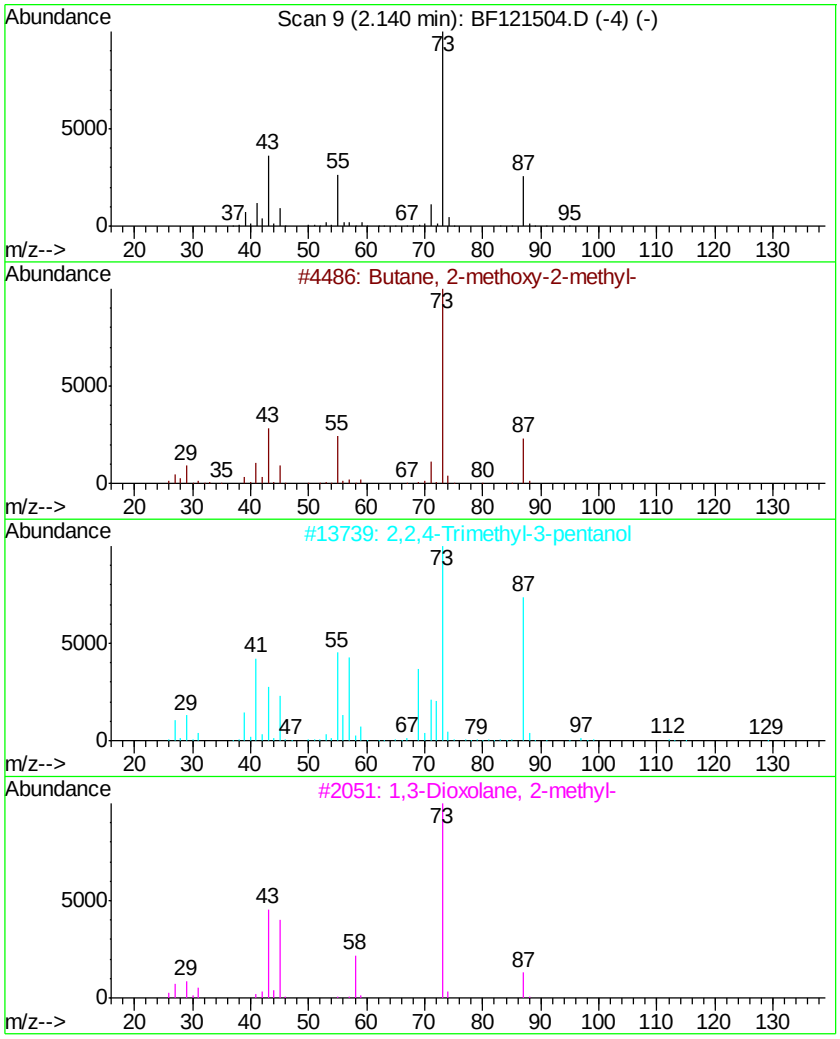
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

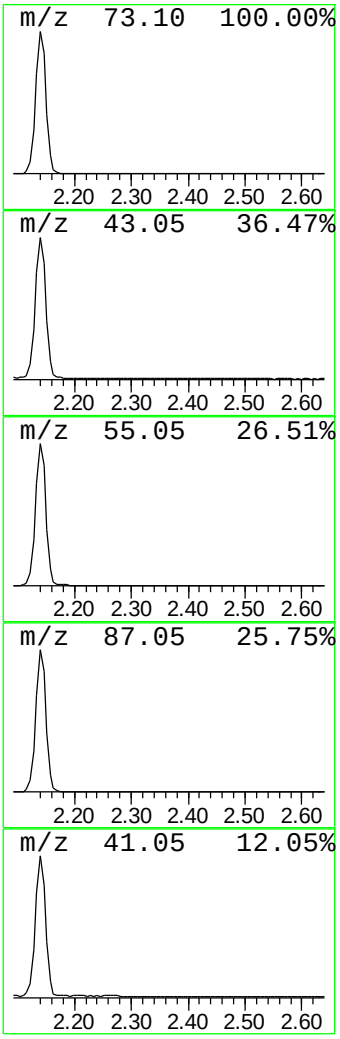
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	25.18 ng	2142670	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

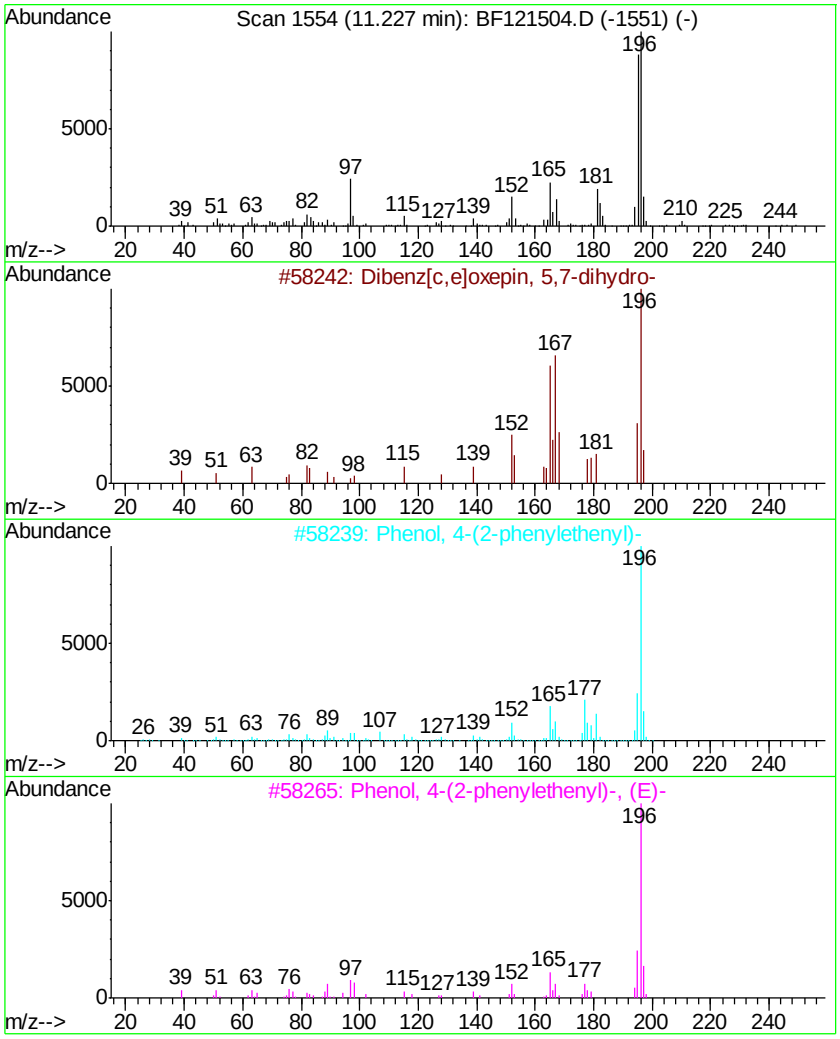
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

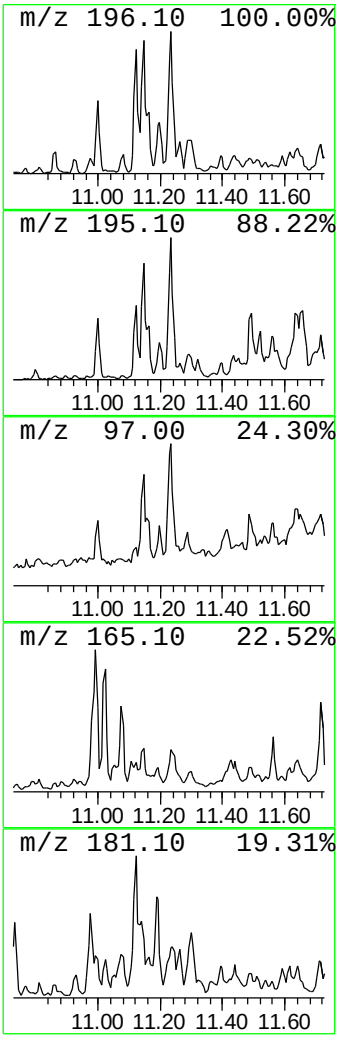
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	4.59 ng	585418	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	50
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	43
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

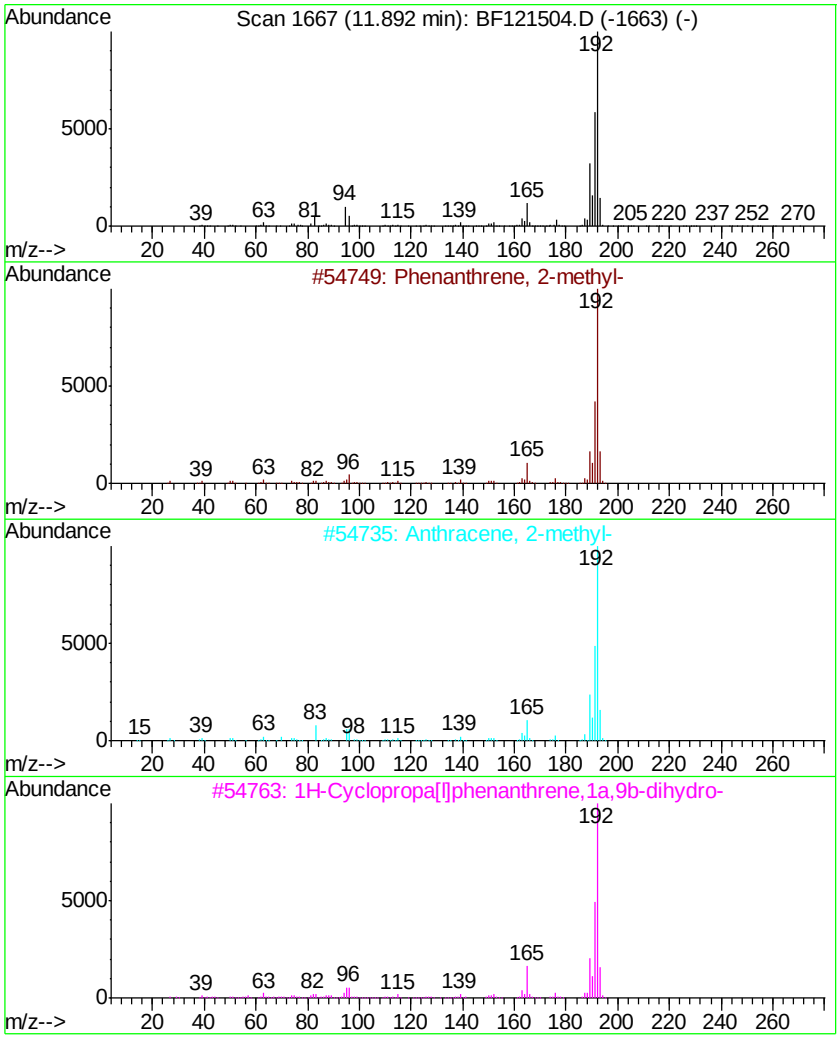
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

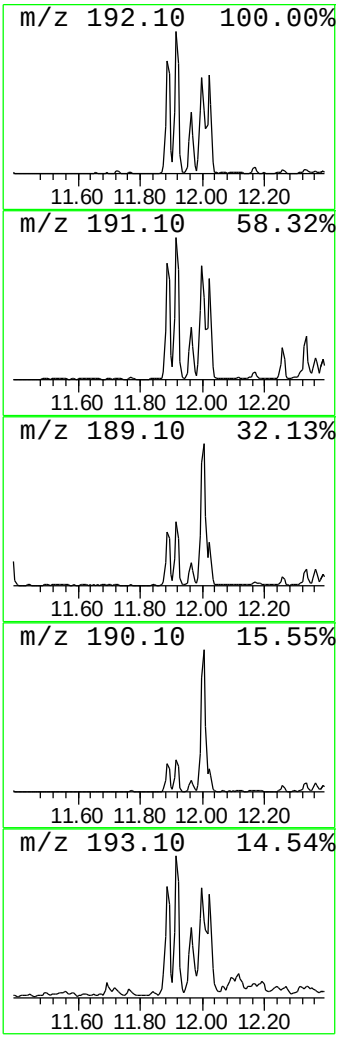
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	14.88 ng	1898420	Phenanthrene-d10	11.39

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

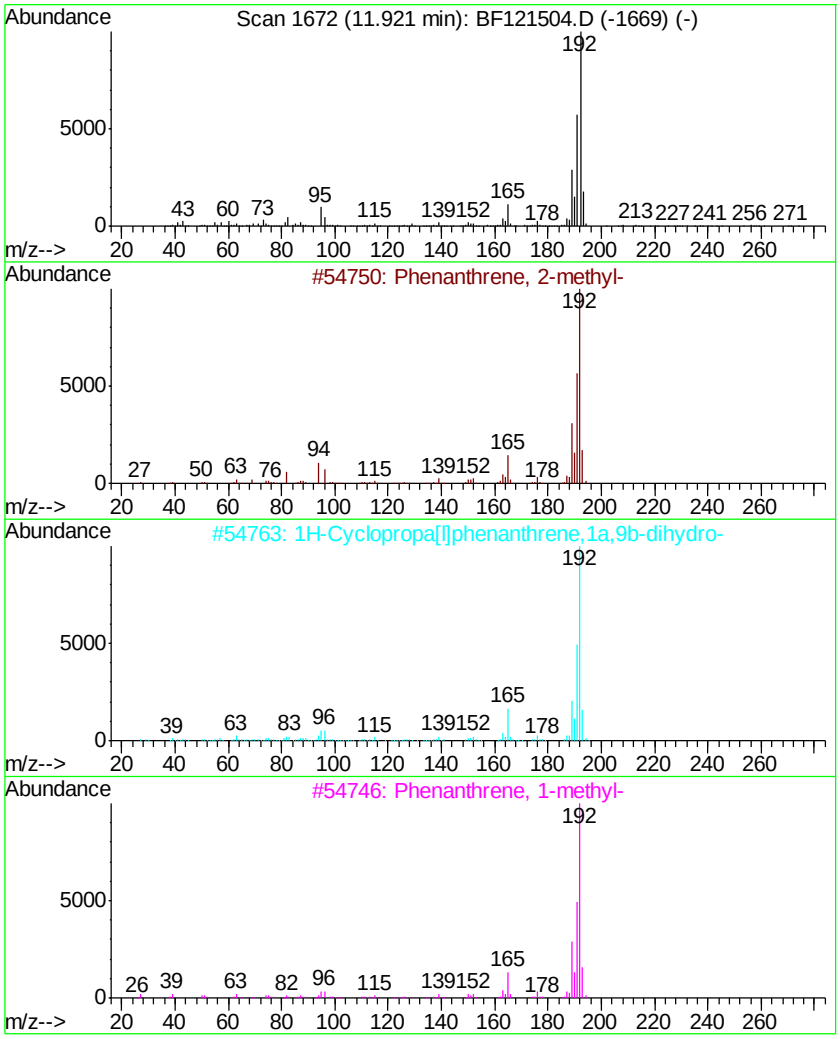
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

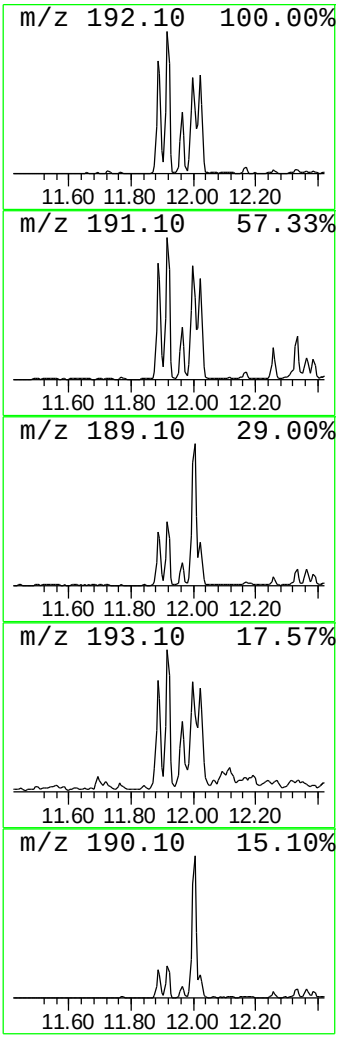
****

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	19.05 ng	2430450	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

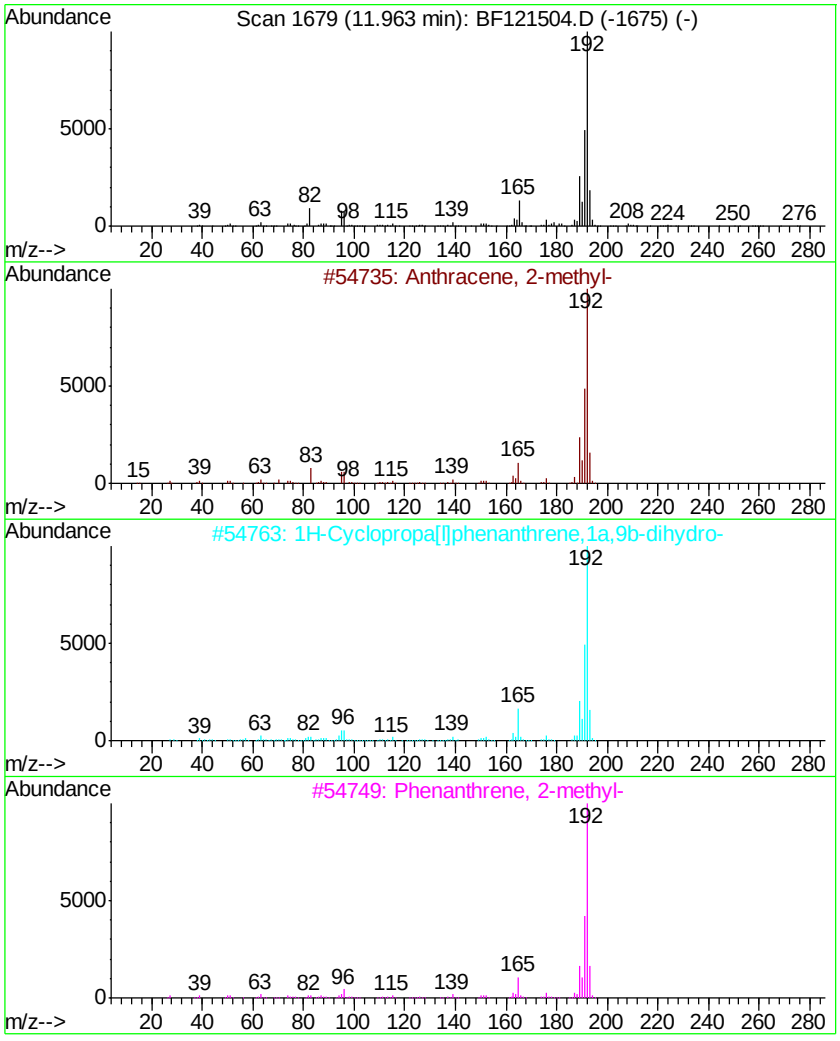
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

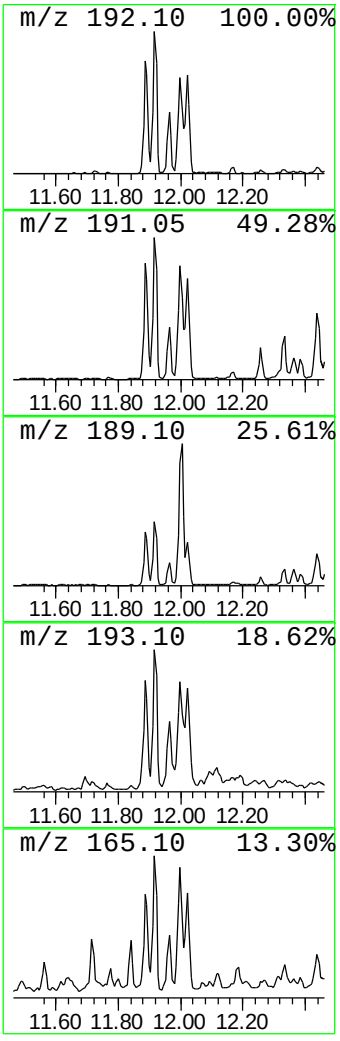
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	7.10 ng	905919	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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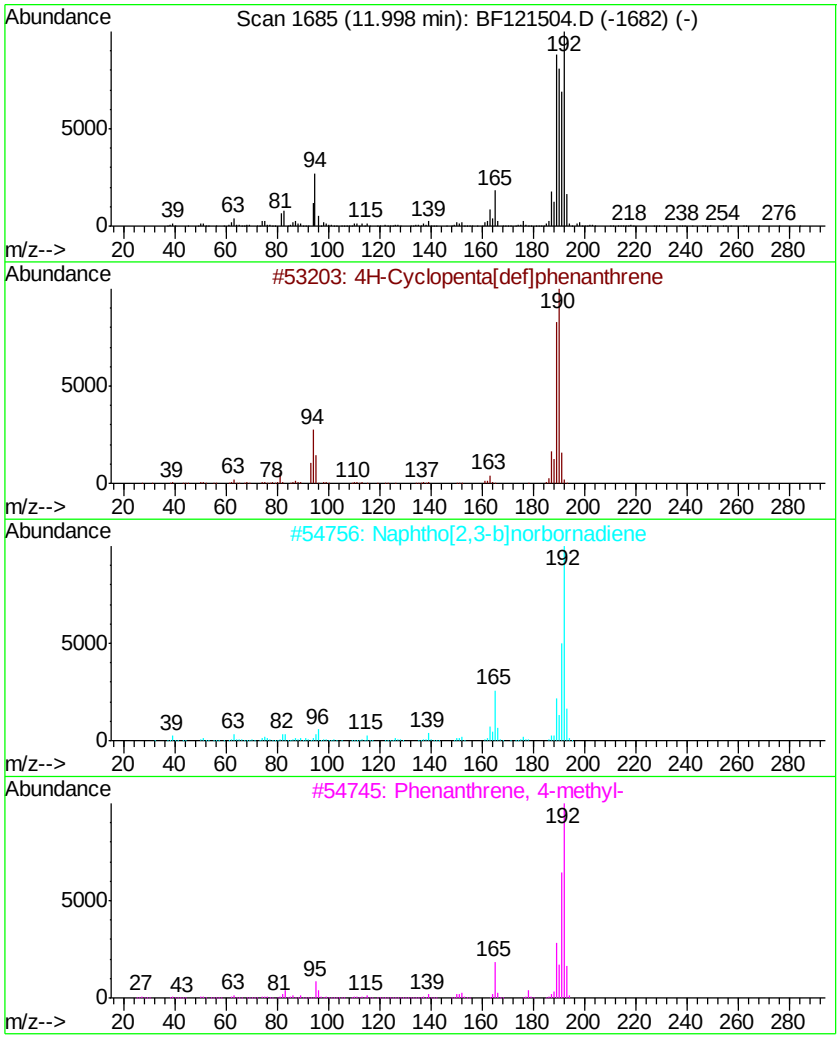
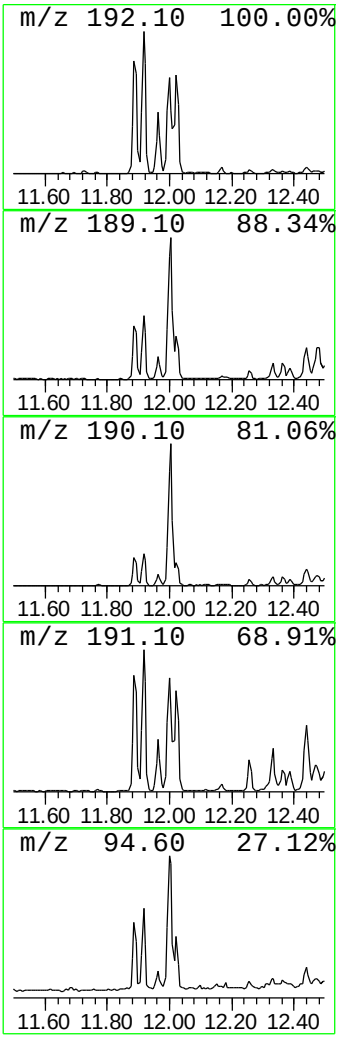
Peak Number 6 unknown12.00 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	25.92 ng	3307280	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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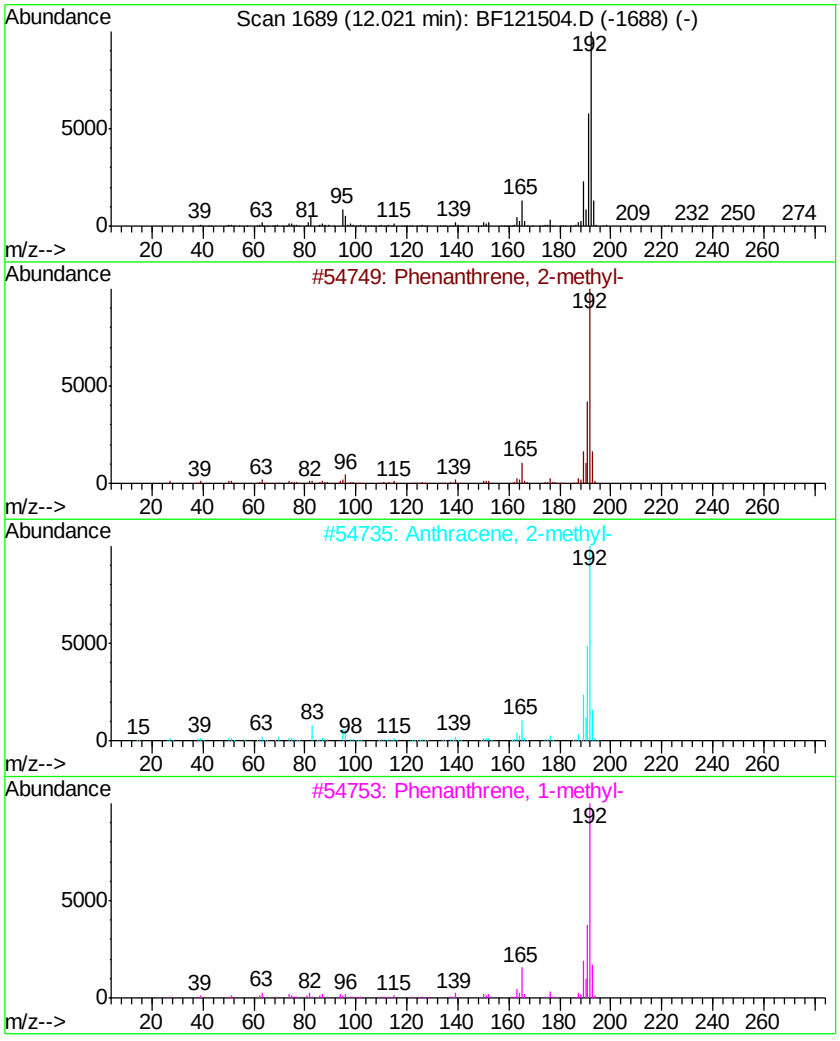
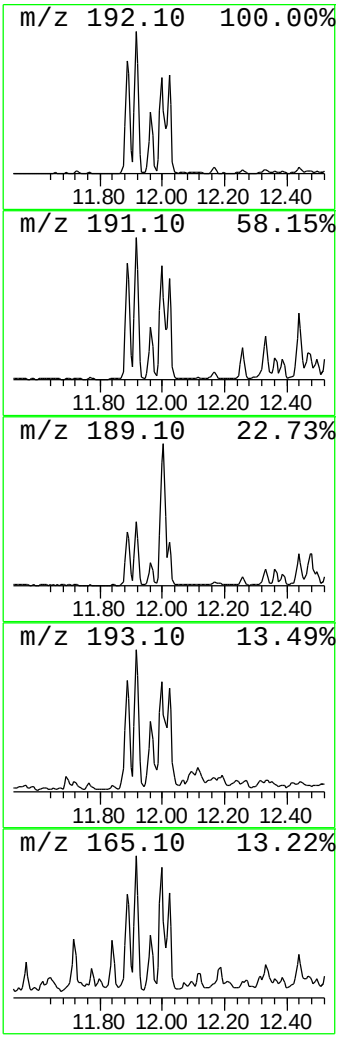
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.34 ng	1064230	Phenanthrene-d10	11.39

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89





Library Search Compound Report

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Sample : L3848-23
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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : LINDEN-BH-01-C

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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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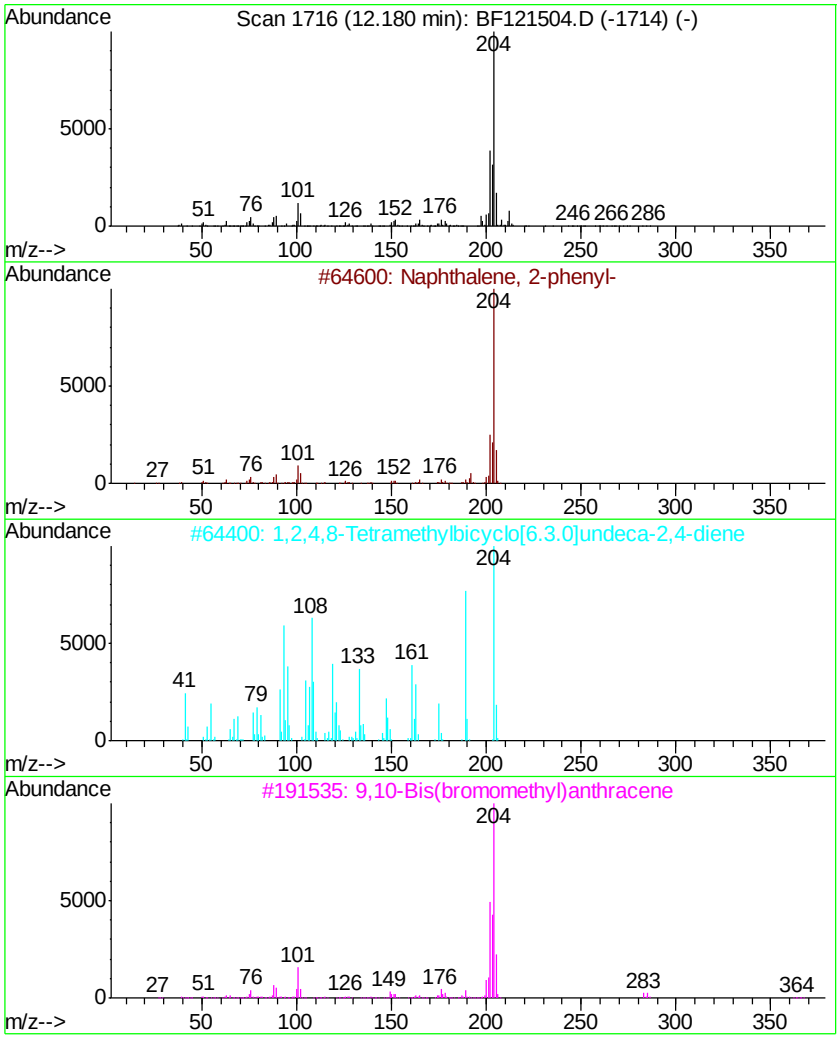
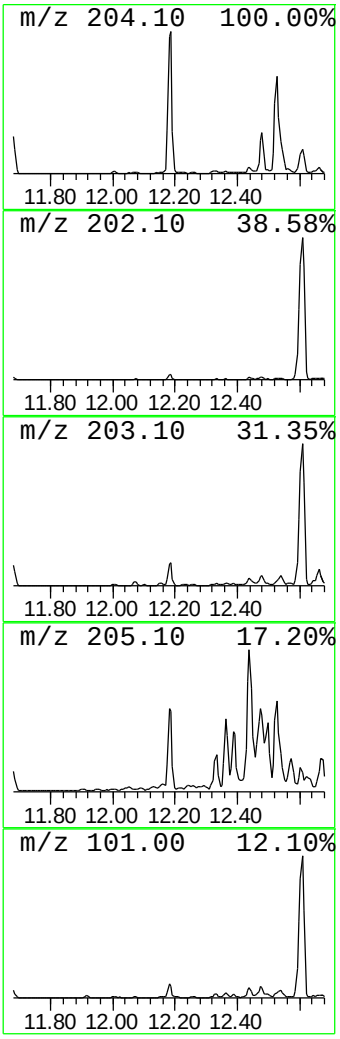
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	8.89 ng	1133960	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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ClientSampleId : LINDEN-BH-01-C

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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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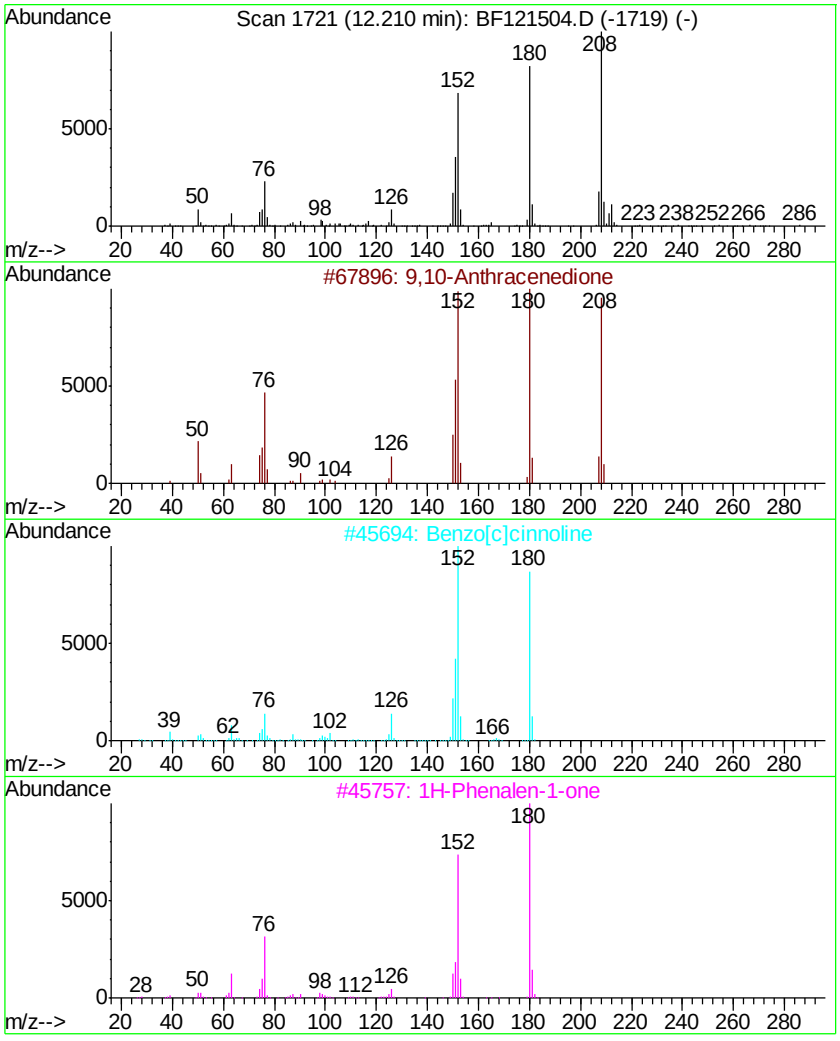
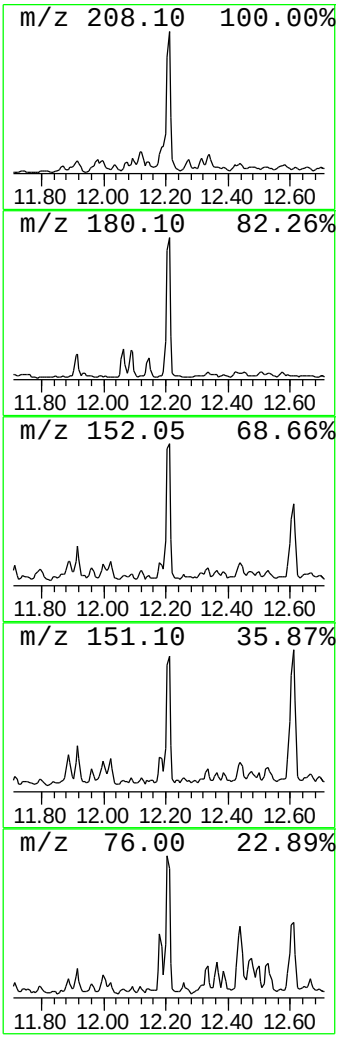
Peak Number 9 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	4.88 ng	622988	Phenanthrene-d10	11.39

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	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46





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Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : LINDEN-BH-01-C

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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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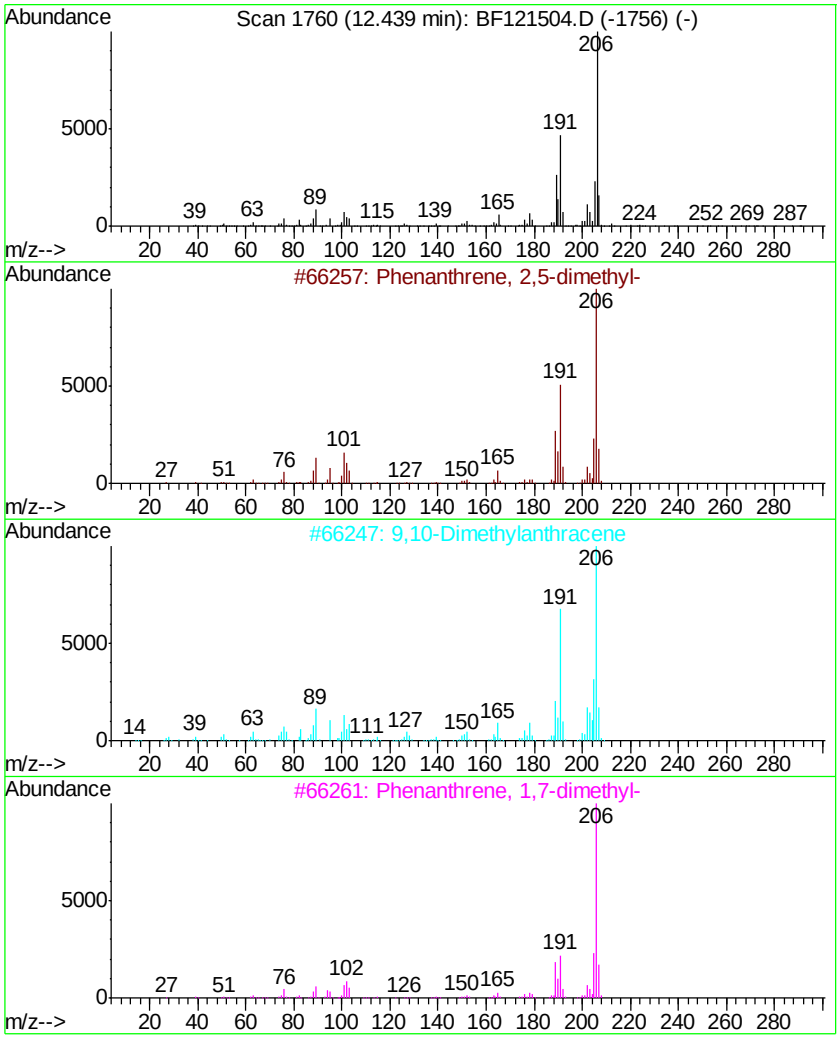
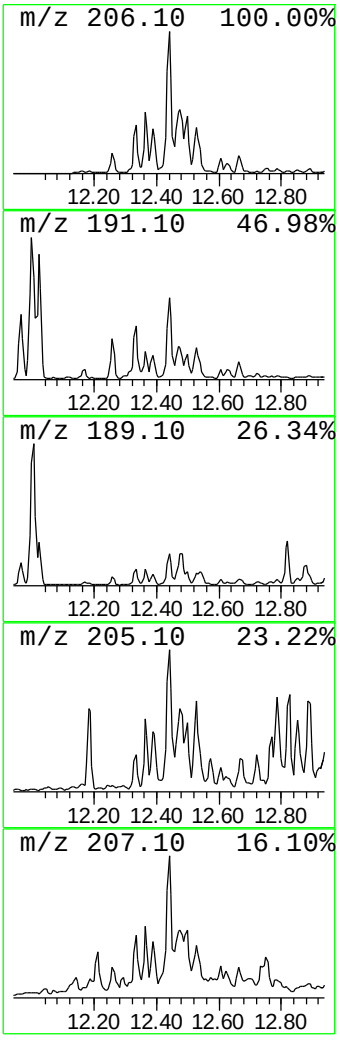
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	12.68 ng	1617820	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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ClientSampleId : LINDEN-BH-01-C

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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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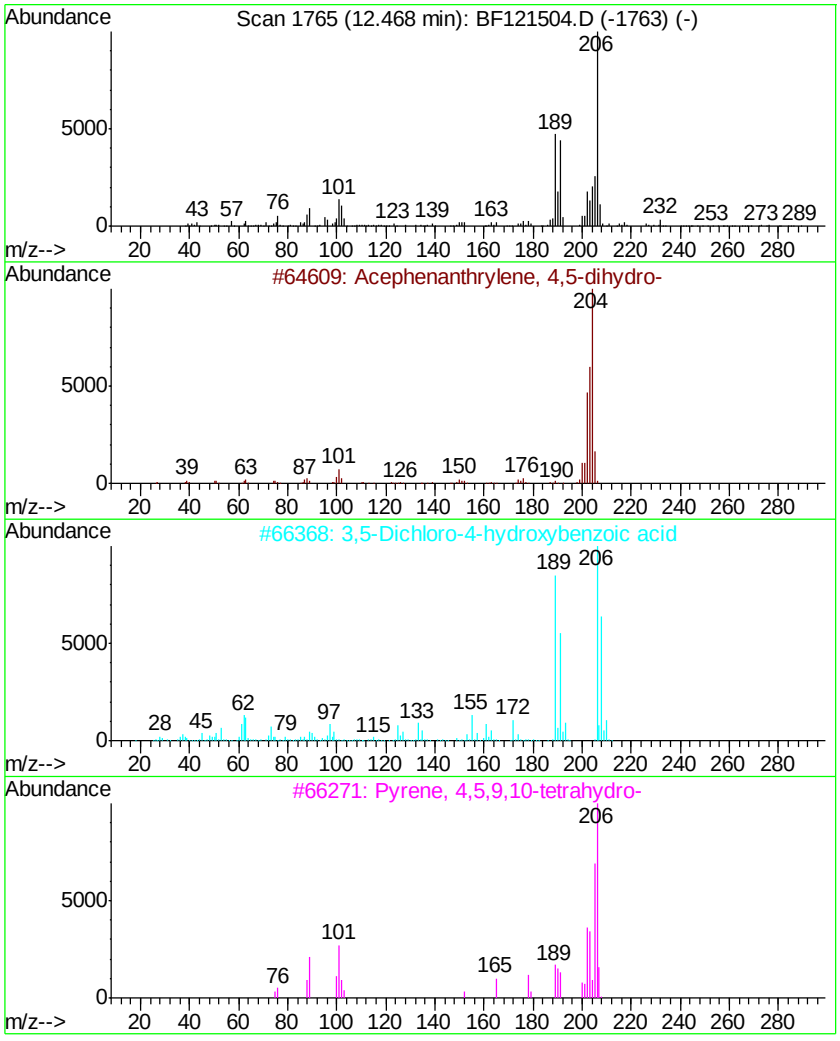
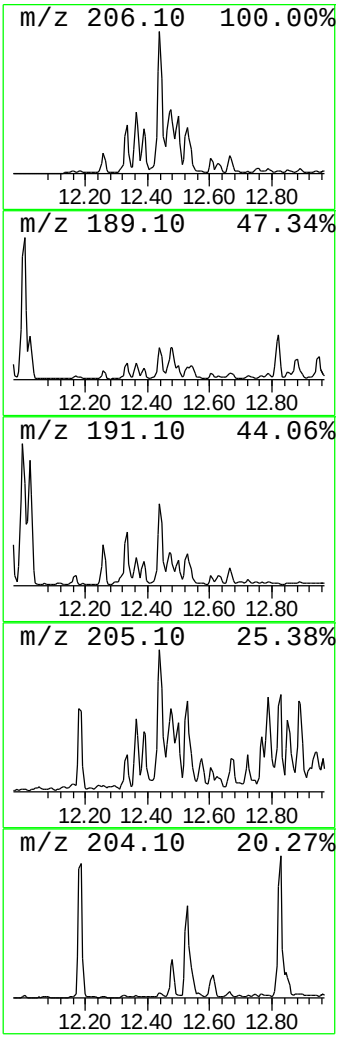
Peak Number 11 Acephenanthrylene, 4,5-dihy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	8.02 ng	1023500	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55
2	3,5-Dichloro-4-hydroxybenzoic acid	206	C7H4Cl2O3	003336-41-2	49
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	35
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30





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Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

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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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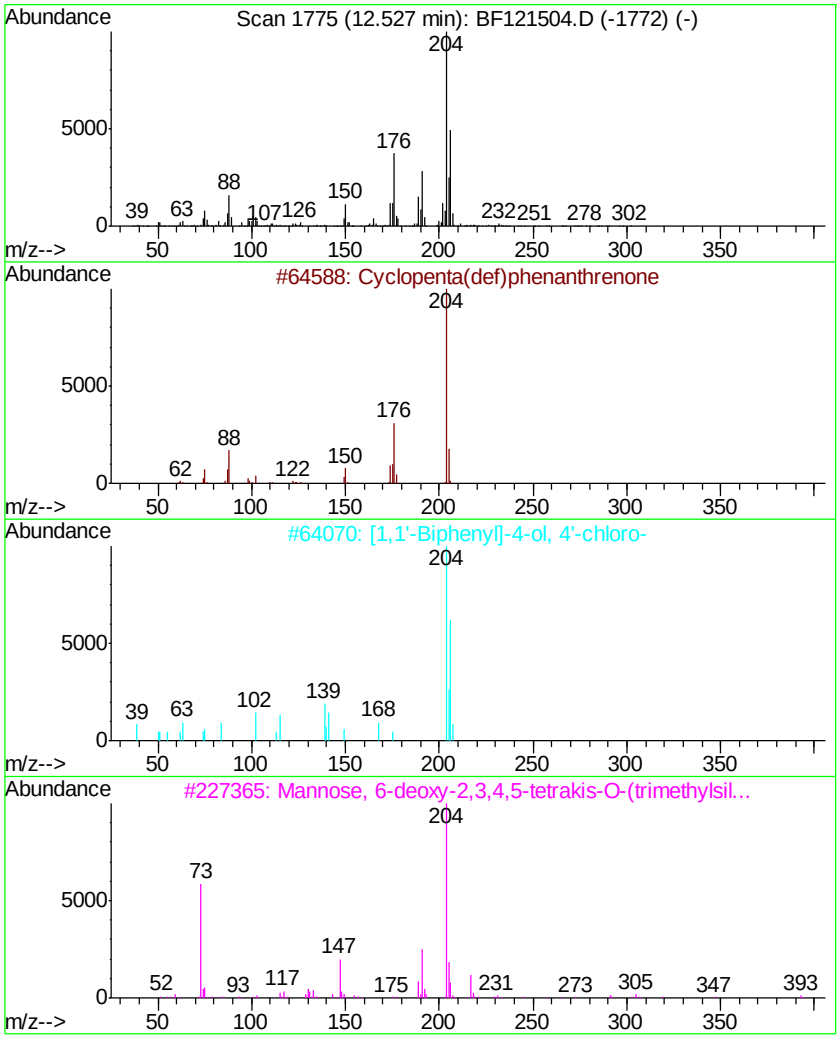
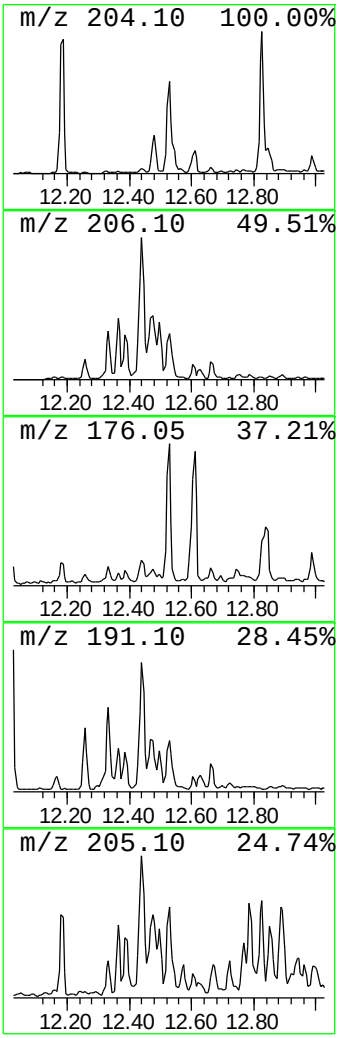
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	9.66 ng	1232530	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	50
3	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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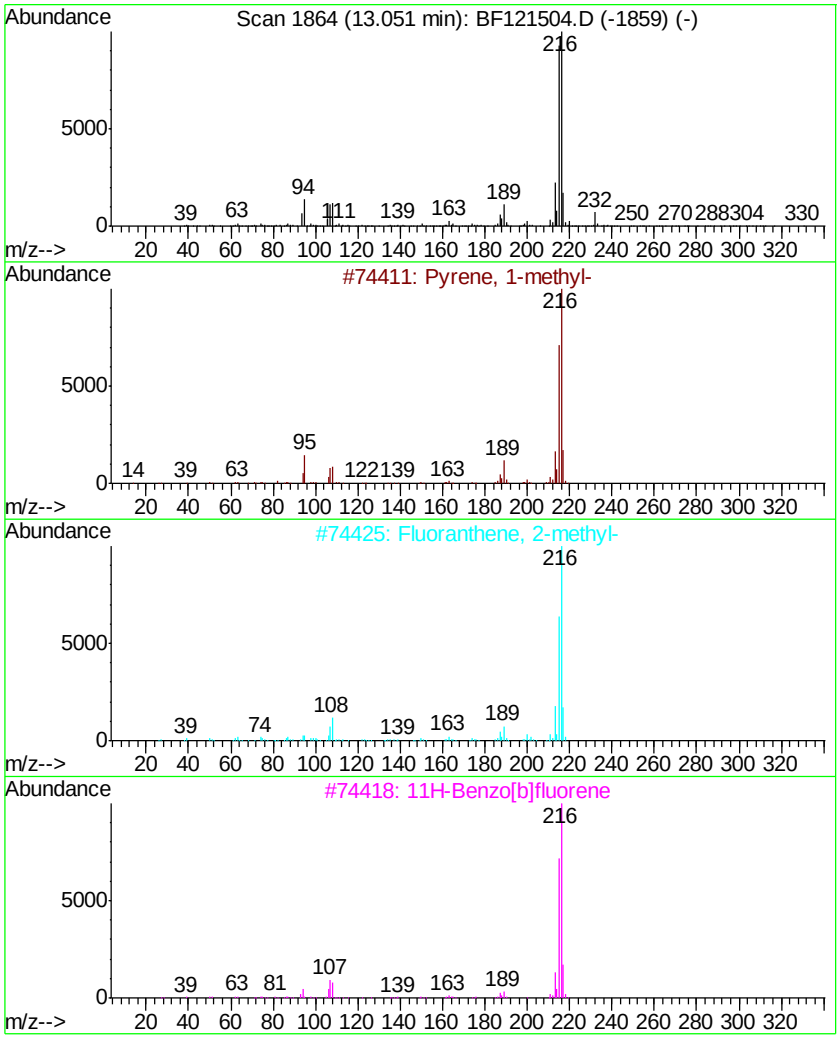
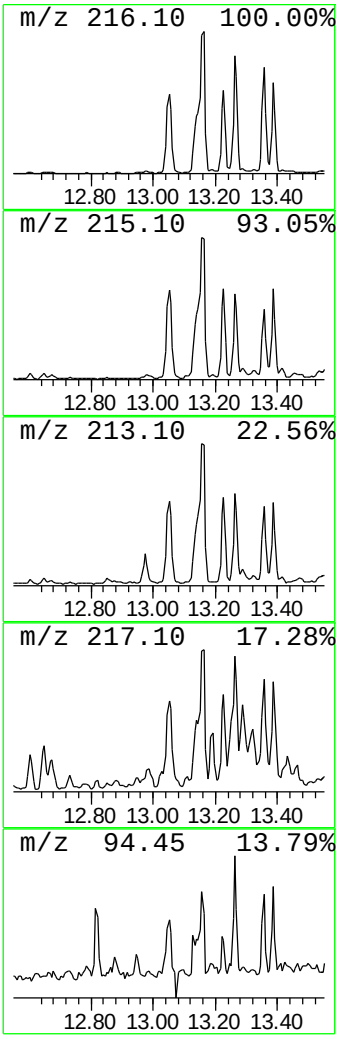
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	4.19 ng	1758750	Chrysene-d12	14.03

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	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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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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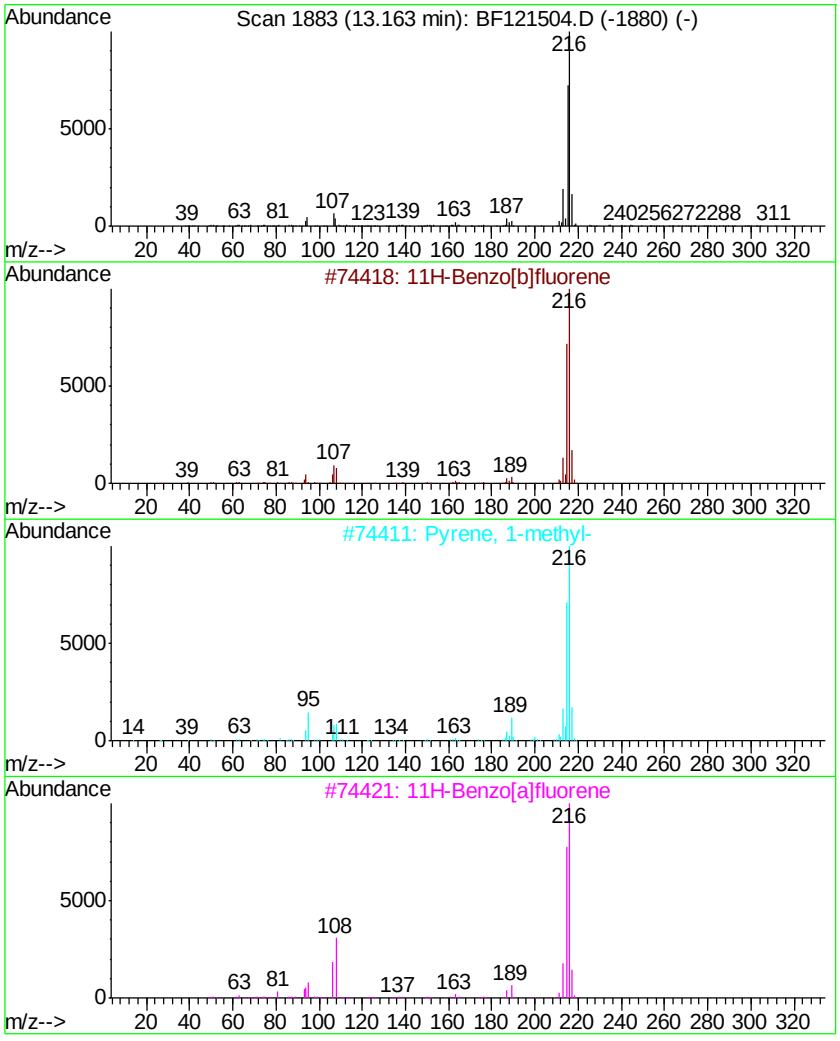
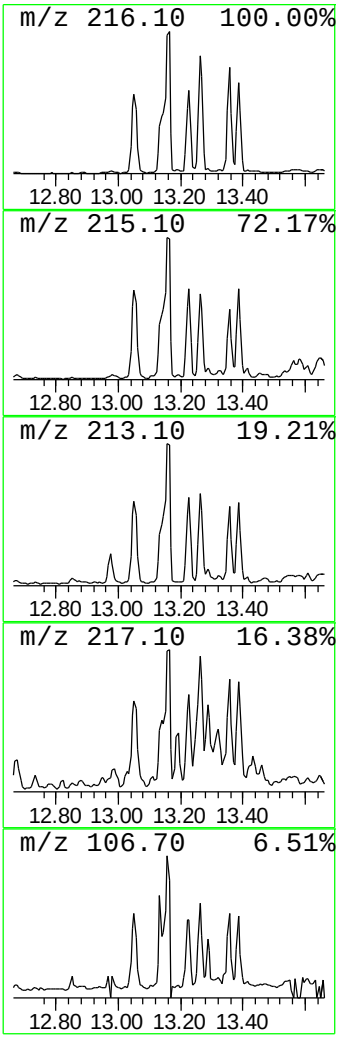
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.23 ng	1776420	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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ClientSampleId : LINDEN-BH-01-C

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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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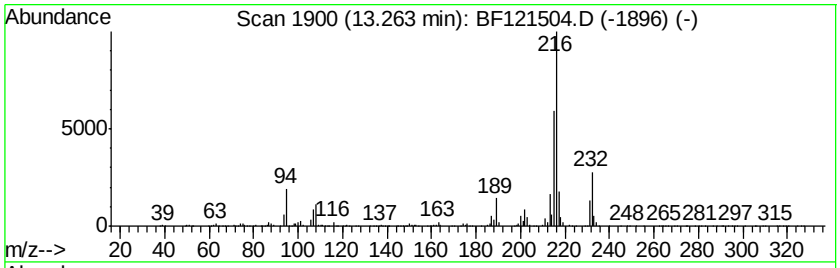
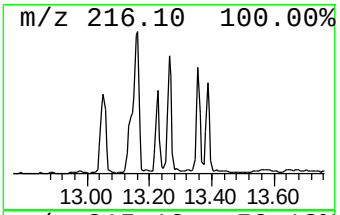
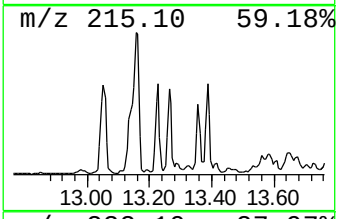
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 18

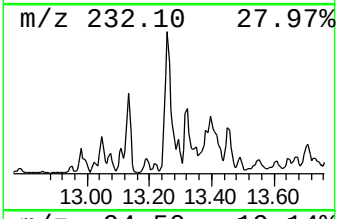
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	4.38 ng	1839090	Chrysene-d12	14.03

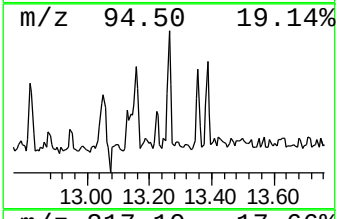
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	97
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83

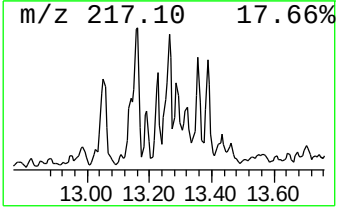












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Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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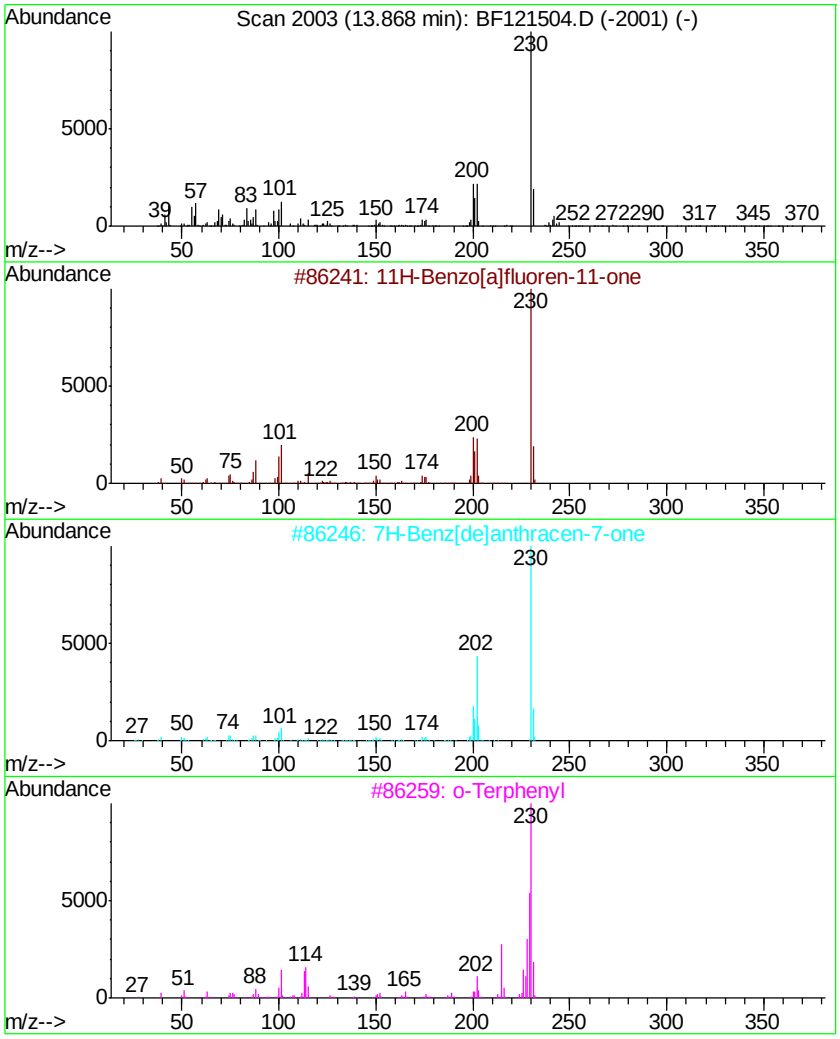
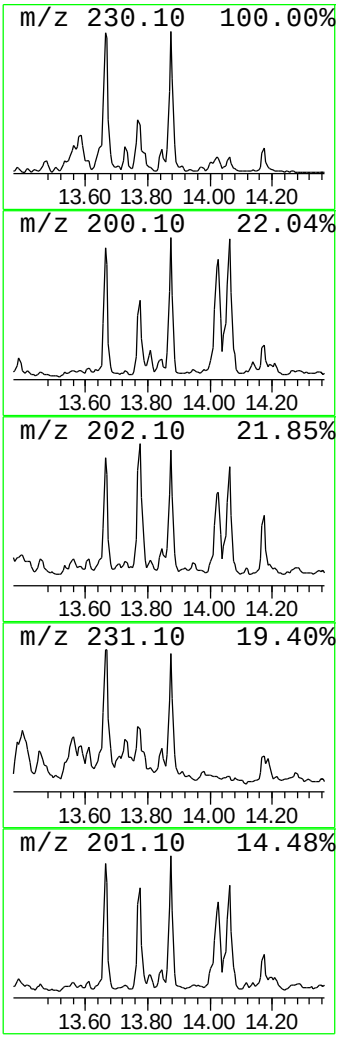
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.22 ng	2194530	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	o-Terphenyl	230	C18H14	000084-15-1	52
4	m-Terphenyl	230	C18H14	000092-06-8	50
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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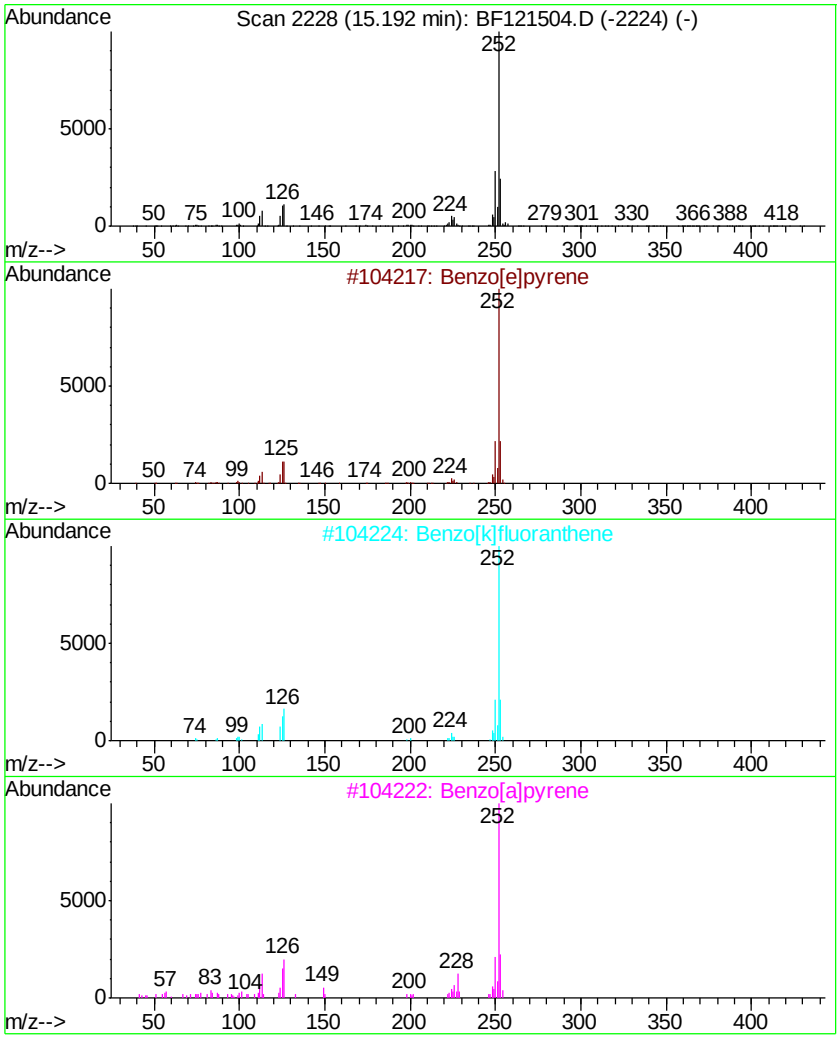
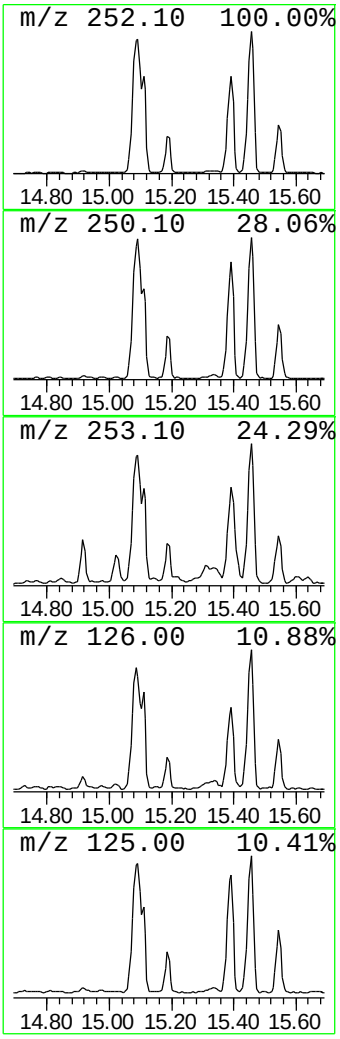
Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	10.69 ng	1058760	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	89





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Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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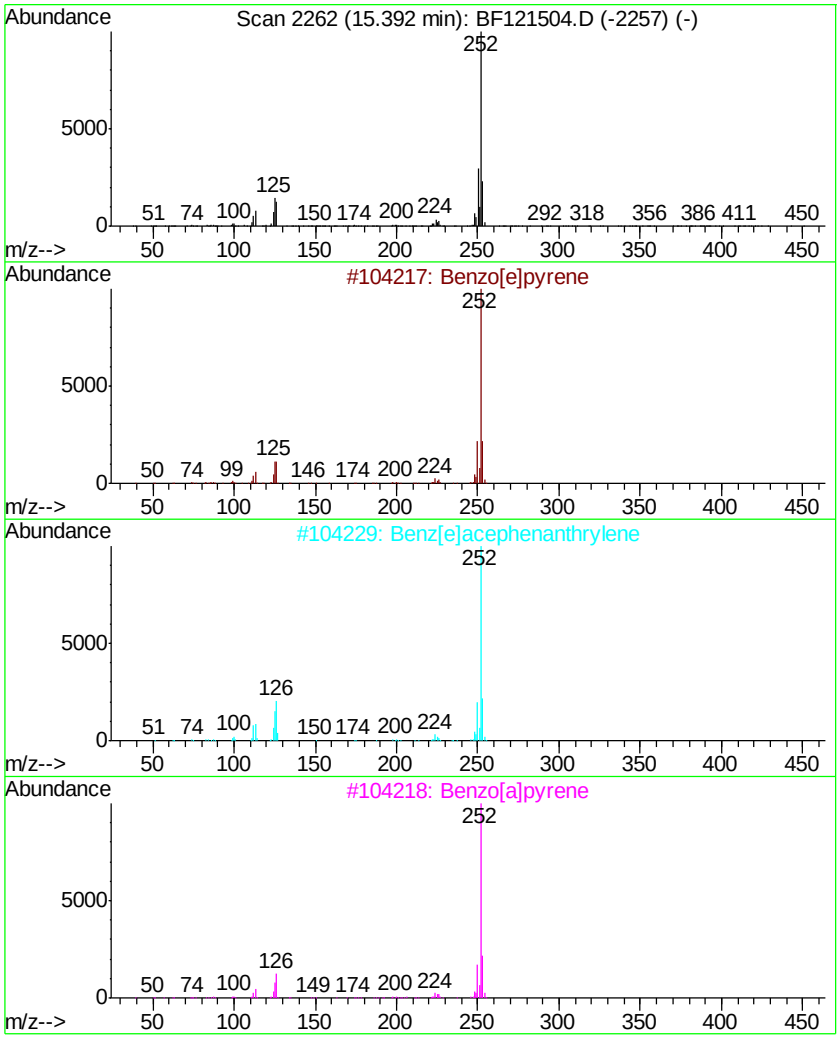
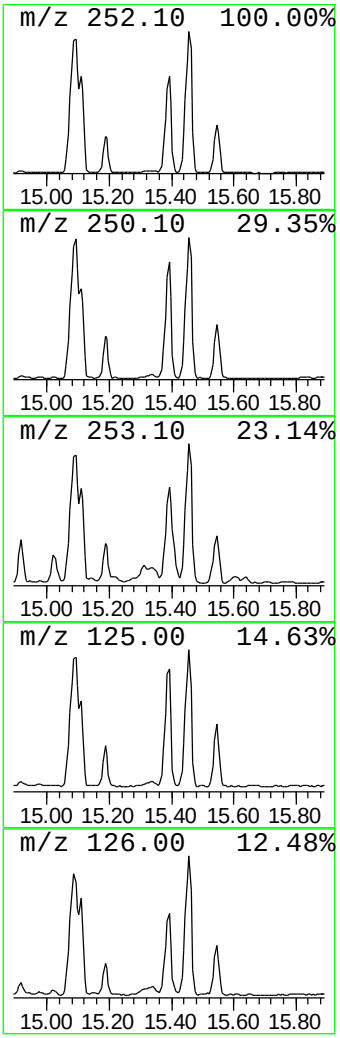
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	38.28 ng	3790220	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

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Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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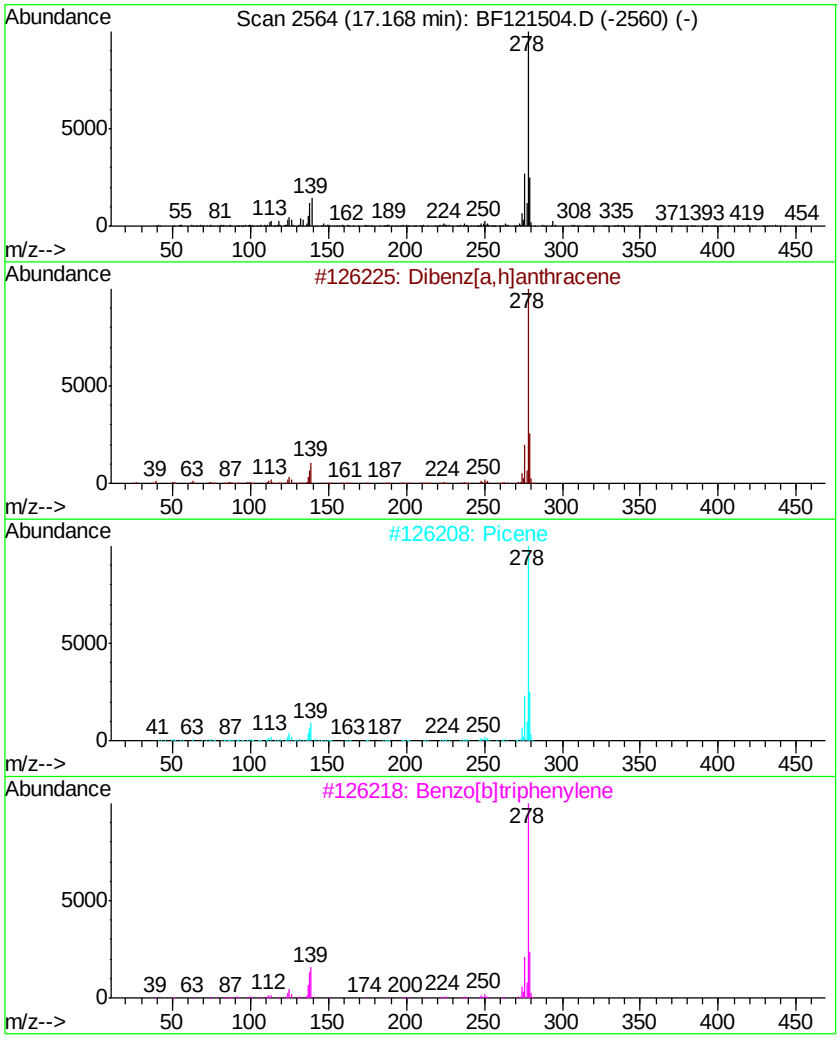
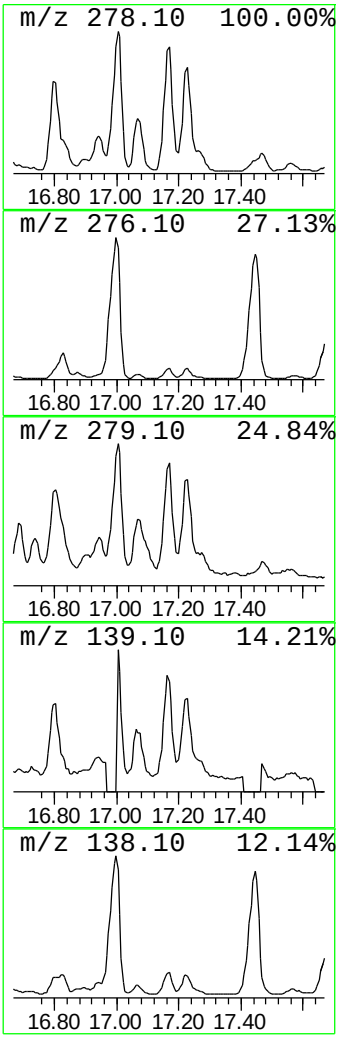
Peak Number 19 Picene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	5.53 ng	547942	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Picene	278	C22H14	000213-46-7	97
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	90





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Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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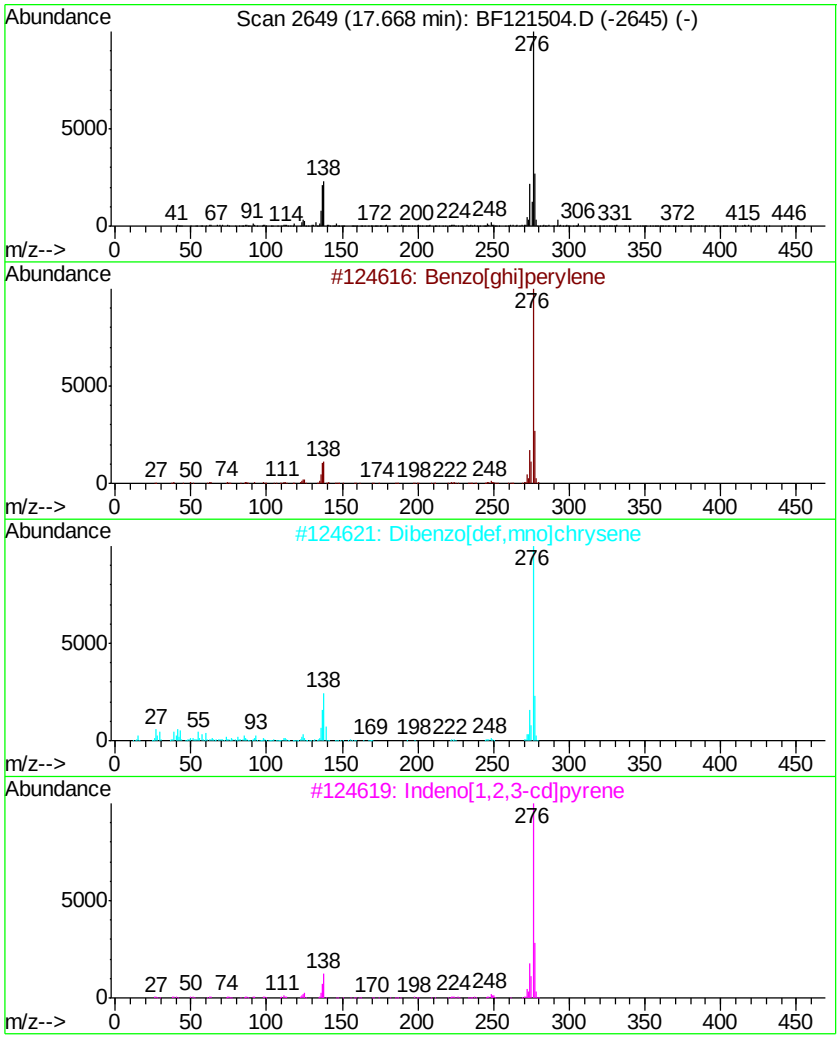
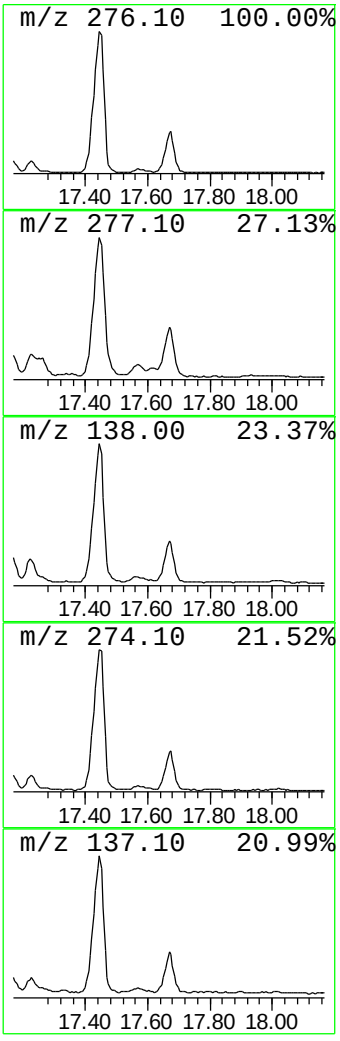
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	8.47 ng	839142	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	98
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090120\
Data File : BF121504.D
Acq On : 1 Sep 2020 19:08
Operator : JU/CG
Sample : L3848-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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...	2.14	25.2	ng	2142670	1	6.86	1701560	20.0
Dibenz[c,e]oxepin...	11.23	4.6	ng	585418	4	11.39	2552030	20.0
Phenanthrene, 2-m...	11.89	14.9	ng	1898420	4	11.39	2552030	20.0
1H-Cyclopropa[l]p...	11.92	19.1	ng	2430450	4	11.39	2552030	20.0
Anthracene, 2-met...	11.96	7.1	ng	905919	4	11.39	2552030	20.0
unknown12.00	12.00	25.9	ng	3307280	4	11.39	2552030	20.0
Phenanthrene, 1-m...	12.02	8.3	ng	1064230	4	11.39	2552030	20.0
Naphthalene, 2-ph...	12.18	8.9	ng	1133960	4	11.39	2552030	20.0
9,10-Anthracenedione	12.21	4.9	ng	622988	4	11.39	2552030	20.0
Phenanthrene, 2,5...	12.44	12.7	ng	1617820	4	11.39	2552030	20.0
Acephenanthrylene...	12.47	8.0	ng	1023500	4	11.39	2552030	20.0
Cyclopenta(def)ph...	12.53	9.7	ng	1232530	4	11.39	2552030	20.0
Pyrene, 1-methyl-	13.05	4.2	ng	1758750	5	14.03	8401300	20.0
11H-Benzo[b]fluorene	13.16	4.2	ng	1776420	5	14.03	8401300	20.0
Fluoranthene, 2-m...	13.26	4.4	ng	1839090	5	14.03	8401300	20.0
11H-Benzo[a]fluor...	13.87	5.2	ng	2194530	5	14.03	8401300	20.0
Benzo[e]pyrene	15.19	10.7	ng	1058760	6	15.52	1980420	20.0
Perylene	15.39	38.3	ng	3790220	6	15.52	1980420	20.0
Picene	17.17	5.5	ng	547942	6	15.52	1980420	20.0
Dibenzo[def,mno]c...	17.67	8.5	ng	839142	6	15.52	1980420	20.0