LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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	2.134	3	8	47	rVB	937696	1650259	29.02%	2.219%
2	5.469	571	575	593	rVB	2015867	2079039	36.56%	2.795%
3	6.481	743	747	760	rBV	2362572	2087340	36.71%	2.806%
4	6.863	808	812	815	rBV	2231647	1781607	31.33%	2.395%
5	7.422	903	907	912	rBV	1437395	1343161	23.62%	1.806%
6	8.145	1025	1030	1032	rBV	2627857	2140658	37.65%	2.878%
7	8.163	1032	1033	1047	rVB	232003	271042	4.77%	0.364%
8	8.857	1149	1151	1155	rVB	83223	63171	1.11%	0.085%
9	8.957	1164	1168	1171	rBV	76948	67986	1.20%	0.091%
10	9.222	1209	1213	1224	rBV	2692523	2600109	45.73%	3.496%
11	9.492	1254	1259	1262	rBV2	56270	84113	1.48%	0.113%
12	9.557	1267	1270	1273	rVV	110648	109576	1.93%	0.147%
13	9.616	1277	1280	1284	rVV	131767	151804	2.67%	0.204%
14	9.674	1287	1290	1295	rVV	56663	62452	1.10%	0.084%
15	9.757	1301	1304	1309	rBV	290285	265655	4.67%	0.357%
16	9.898	1323	1328	1332	rBV	2394004	2233105	39.27%	3.002%
17	9.933	1332	1334	1337	rVB	370388	292812	5.15%	0.394%
18	10.057	1350	1355	1359	rBV2	56002	85413	1.50%	0.115%
19	10.104	1359	1363	1367	rVV2	205174	205472	3.61%	0.276%
20	10.139	1367	1369	1377	rVB	71304	79487	1.40%	0.107%
21	10.216	1379	1382	1385	rBV2	73596	73999	1.30%	0.099%
22	10.304	1393	1397	1399	rBV3	80368	96764	1.70%	0.130%
23	10.327	1399	1401	1404	rVB2	66893	64822	1.14%	0.087%
24	10.445	1418	1421	1427	rBV2	350693	335270	5.90%	0.451%
25	10.510	1427	1432	1434	rBV2	73711	109864	1.93%	0.148%
26	10.604	1445	1448	1452	rVB	144536	128821	2.27%	0.173%
27	10.686	1458	1462	1466	rBV	1382528	1245534	21.91%	1.675%
28	10.733	1467	1470	1474	rVB2	131275	132503	2.33%	0.178%
29	10.810	1479	1483	1490	rVB4	166174	230319	4.05%	0.310%
30	10.998	1508	1515	1517	rBV3	120753	187930	3.31%	0.253%
31	11.021	1517	1519	1522	rVB2	73954	67504	1.19%	0.091%
32	11.121	1532	1536	1538	rBV3	106751	137322	2.42%	0.185%
33	11.145	1538	1540	1544	rVV2	127662	130853	2.30%	0.176%
34	11.186	1544	1547	1551	rVB	189982	195429	3.44%	0.263%

LSC Area Percent Report

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Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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	11.233	1552	1555	1557	rVV	112785	133766	2.35%	0.180%
36	11.280	1561	1563	1568	rVB	228423	229360	4.03%	0.308%
37	11.386	1577	1581	1583	rBV	2188544	1963490	34.53%	2.640%
38	11.410	1583	1585	1589	rVV	3700266	3079691	54.16%	4.141%
39	11.463	1589	1594	1597	rVV	1068221	923566	16.24%	1.242%
40	11.492	1597	1599	1603	rVV2	112831	106446	1.87%	0.143%
41	11.616	1615	1620	1622	rBV2	251720	273810	4.82%	0.368%
42	11.680	1629	1631	1634	rBV	170038	137713	2.42%	0.185%
43	11.715	1635	1637	1640	rVV2	105602	76979	1.35%	0.103%
44	11.839	1656	1658	1660	rBV	72852	62533	1.10%	0.084%
45	11.886	1663	1666	1668	rVV	573510	505755	8.89%	0.680%
46	11.915	1668	1671	1675	rVV	1002557	901775	15.86%	1.212%
47	11.963	1676	1679	1682	rVV	351722	315540	5.55%	0.424%
48	11.998	1682	1685	1688	rVV	891984	1037296	18.24%	1.395%
49	12.021	1688	1689	1694	rVB	443234	278302	4.89%	0.374%
50	12.092	1699	1701	1703	rVB2	111383	86701	1.52%	0.117%
51	12.186	1714	1717	1718	rBV	390732	328987	5.79%	0.442%
52	12.204	1718	1720	1724	rVB2	308206	269727	4.74%	0.363%
53	12.257	1727	1729	1733	rVB2	78217	63642	1.12%	0.086%
54	12.333	1740	1742	1745	rVB	159917	116640	2.05%	0.157%
55	12.363	1745	1747	1749	rBV	136512	101585	1.79%	0.137%
56	12.386	1749	1751	1753	rVB	155122	113876	2.00%	0.153%
57	12.439	1757	1760	1763	rBV	422295	440802	7.75%	0.593%
58	12.474	1763	1766	1768	rVV2	308134	366171	6.44%	0.492%
59	12.521	1772	1774	1779	rVB2	366205	398279	7.00%	0.535%
60	12.604	1784	1788	1791	rBV	5508974	5010922	88.13%	6.737%
61	12.698	1801	1804	1806	rBV	156416	149702	2.63%	0.201%
62	12.751	1811	1813	1817	rVV	198797	204892	3.60%	0.275%
63	12.833	1821	1827	1830	rVV	5422566	5686006	100.00%	7.645%
64	12.874	1832	1834	1840	rVB2	225837	306551	5.39%	0.412%
65	12.945	1844	1846	1848	rBV	246366	243622	4.28%	0.328%
66	12.968	1848	1850	1858	rVB2	2274339	2384457	41.94%	3.206%
67	13.045	1859	1863	1867	rBV3	462376	733728	12.90%	0.986%
68	13.133	1875	1878	1879	rBV3	313720	303486	5.34%	0.408%
69	13.157	1880	1882	1885	rVB2	749115	609325	10.72%	0.819%
70	13.186	1885	1887	1889	rBV2	118810	129760	2.28%	0.174%
71	13.221	1891	1893	1896	rVB	320871	266772	4.69%	0.359%

LSC Area Percent Report

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Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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	13.262	1896	1900	1903	rBV2	716747	732775	12.89%	0.985%
73	13.351	1913	1915	1918	rVB	426396	367772	6.47%	0.494%
74	13.386	1918	1921	1924	rBV	455727	414621	7.29%	0.557%
75	13.662	1965	1968	1973	rVB	657182	679193	11.94%	0.913%
76	13.774	1984	1987	1990	rBV2	373714	500594	8.80%	0.673%
77	13.804	1990	1992	1994	rVV	485748	379129	6.67%	0.510%
78	13.827	1994	1996	2000	rVV2	422288	543577	9.56%	0.731%
79	13.874	2001	2004	2008	rVB2	870871	920883	16.20%	1.238%
80	14.021	2025	2029	2033	rBV3	3286897	4898705	86.15%	6.586%
81	14.057	2033	2035	2040	rVB	2952249	2366882	41.63%	3.182%
82	14.133	2046	2048	2051	rBV	413349	314933	5.54%	0.423%
83	14.415	2094	2096	2099	rVB	628095	499755	8.79%	0.672%
84	14.451	2099	2102	2105	rBV	344406	311671	5.48%	0.419%
85	14.539	2115	2117	2119	rBV	310474	305546	5.37%	0.411%
86	15.074	2204	2208	2211	rBV	1985336	3161104	55.59%	4.250%
87	15.180	2224	2226	2230	rVB	482610	470209	8.27%	0.632%
88	15.380	2256	2260	2266	rVB	1370715	1798353	31.63%	2.418%
89	15.445	2267	2271	2277	rBV	1882599	2329235	40.96%	3.132%
90	15.509	2278	2282	2284	rBV	1086873	1363056	23.97%	1.833%
91	16.980	2527	2532	2540	rVB2	757140	1487594	26.16%	2.000%
92	17.427	2603	2608	2617	rVB	684147	1399659	24.62%	1.882%

Sum of corrected areas: 74378096

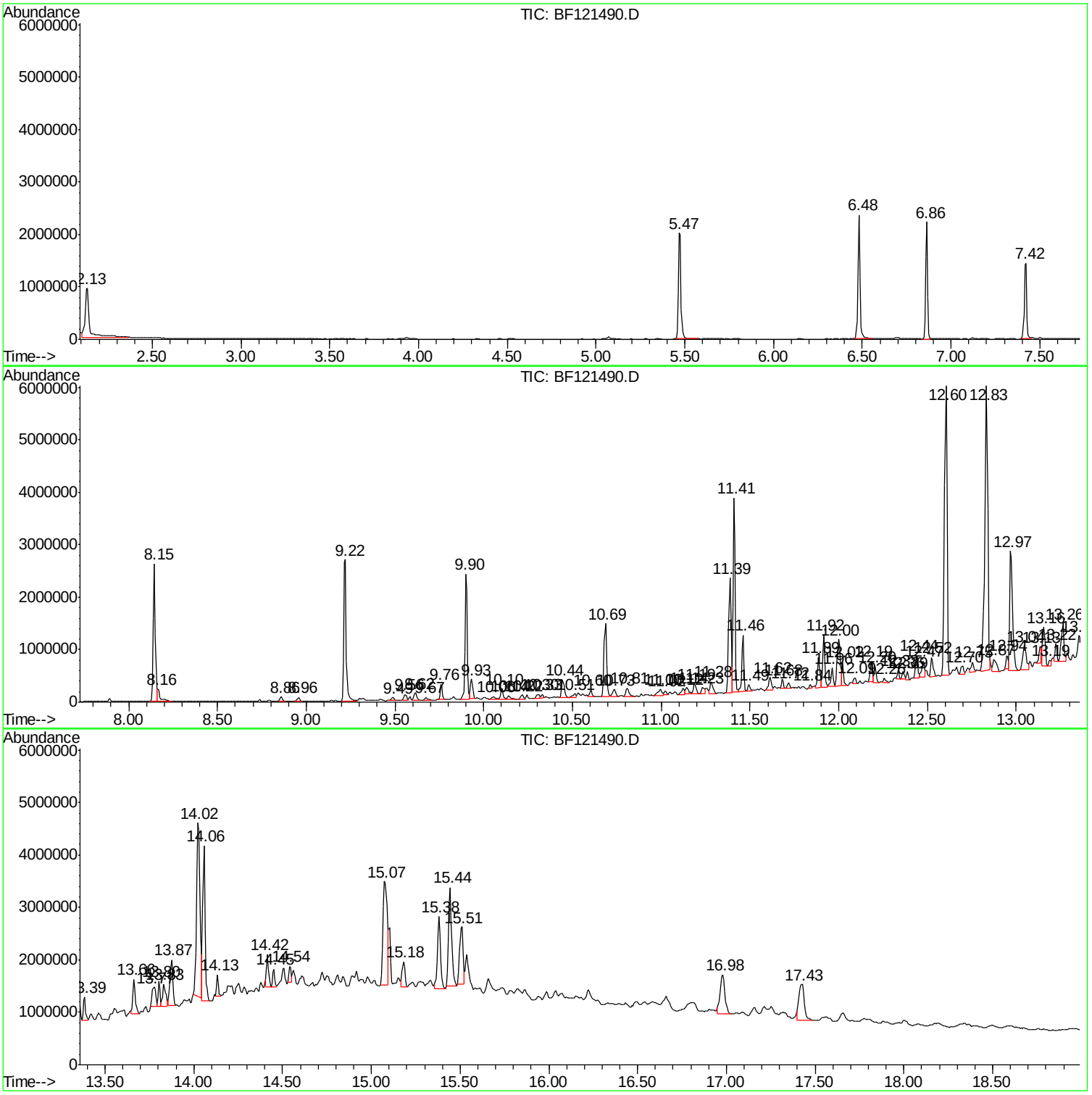
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-A

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\BF083120\
Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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

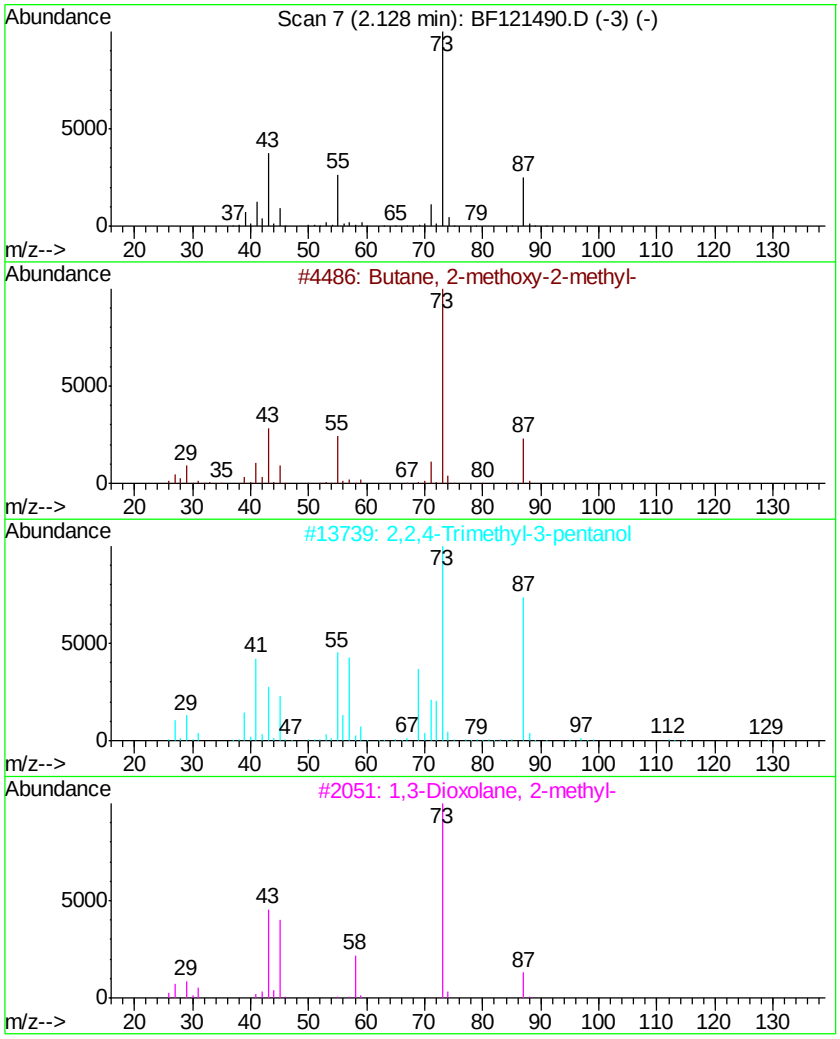
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

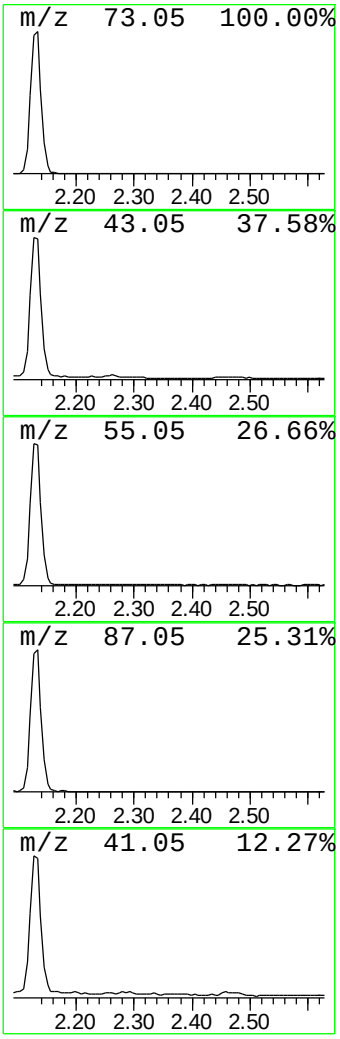
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	18.53 ng	1650260	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	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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

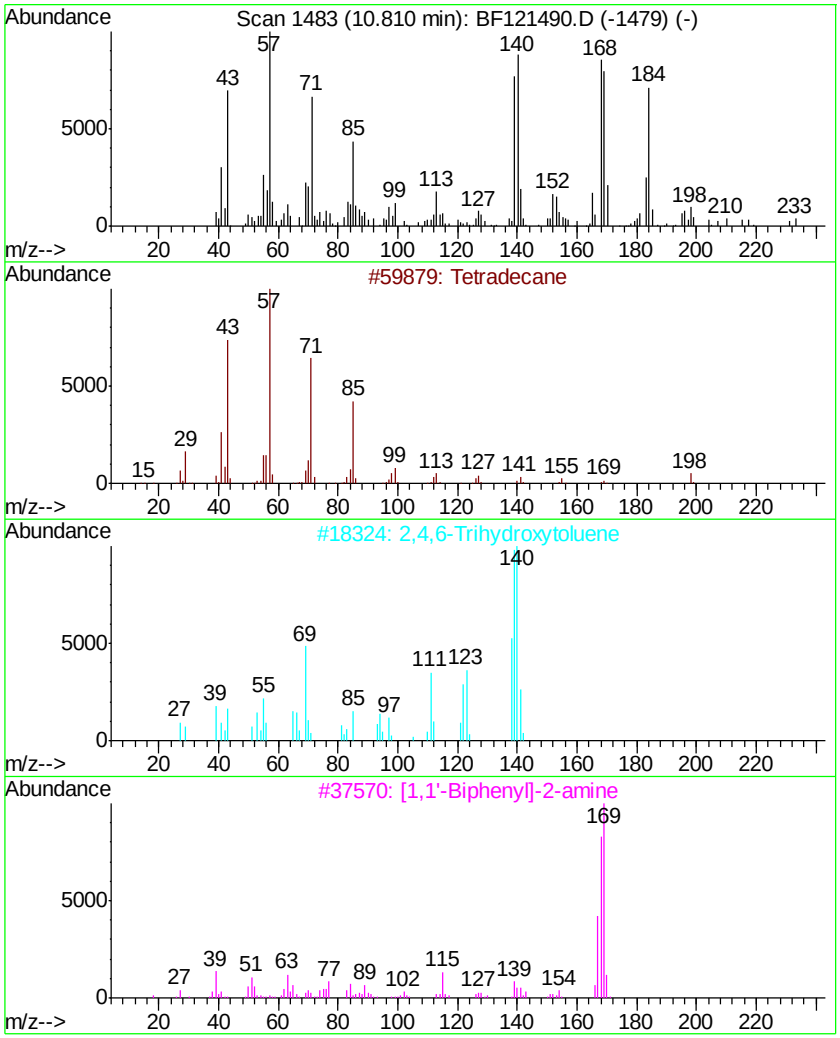
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

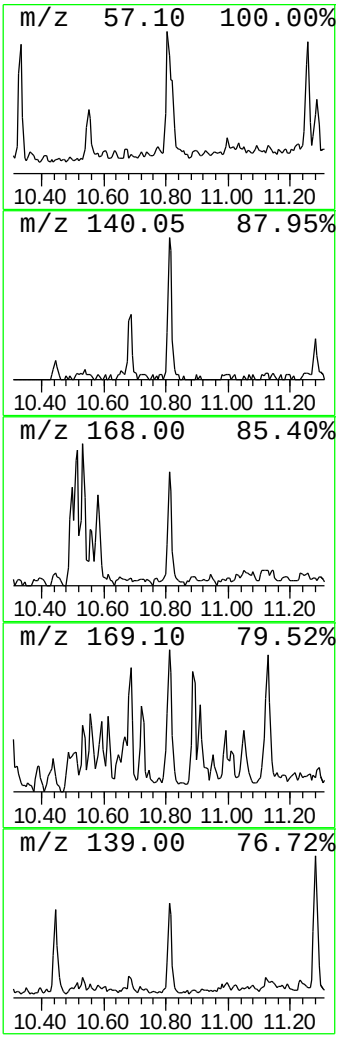
****

Peak Number 2 Tetradecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	2.35 ng	230319	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	53
2	2,4,6-Trihydroxytoluene	140	C7H8O3	000088-03-9	30
3	[1,1'-Biphenyl]-2-amine	169	C12H11N	000090-41-5	25
4	Dibenzofuran	168	C12H8O	000132-64-9	25
5	Pyridine, 3-(phenylmethyl)-	169	C12H11N	000620-95-1	25





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Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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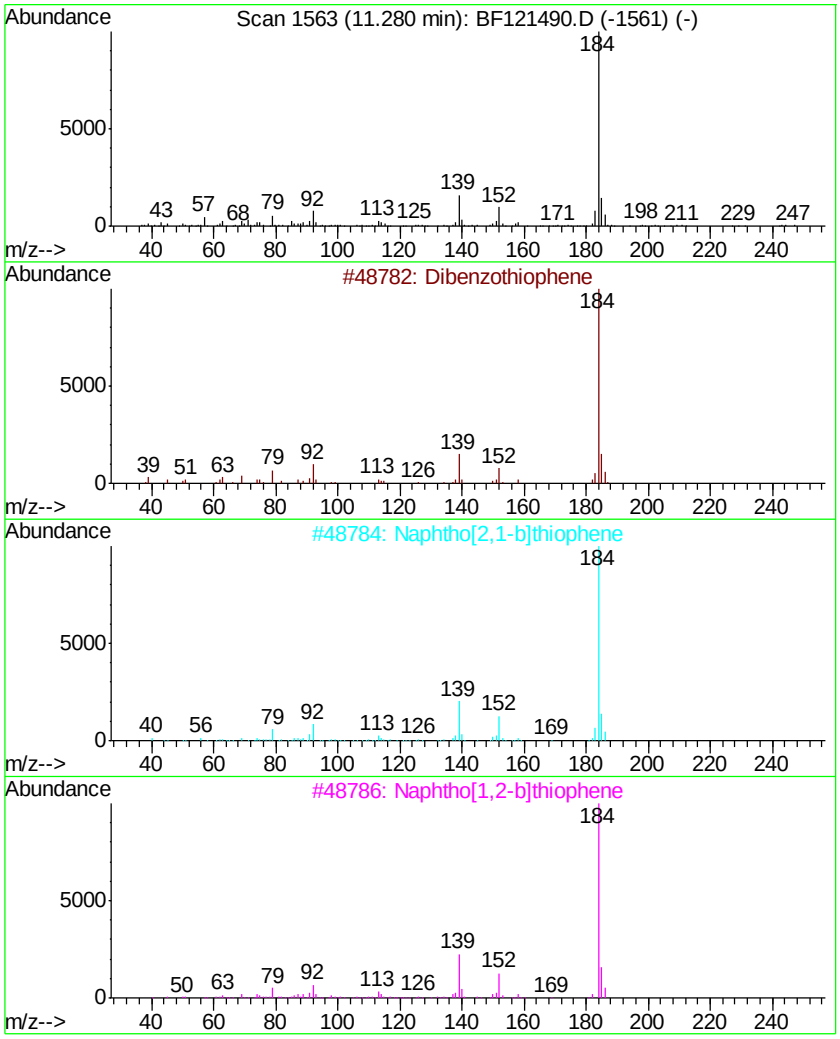
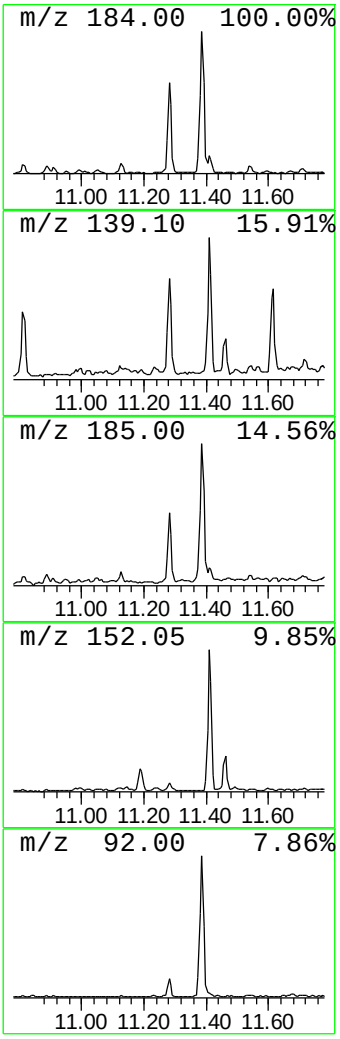
Peak Number 3 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	2.34 ng	229360	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	80





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Data File : BF121490.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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

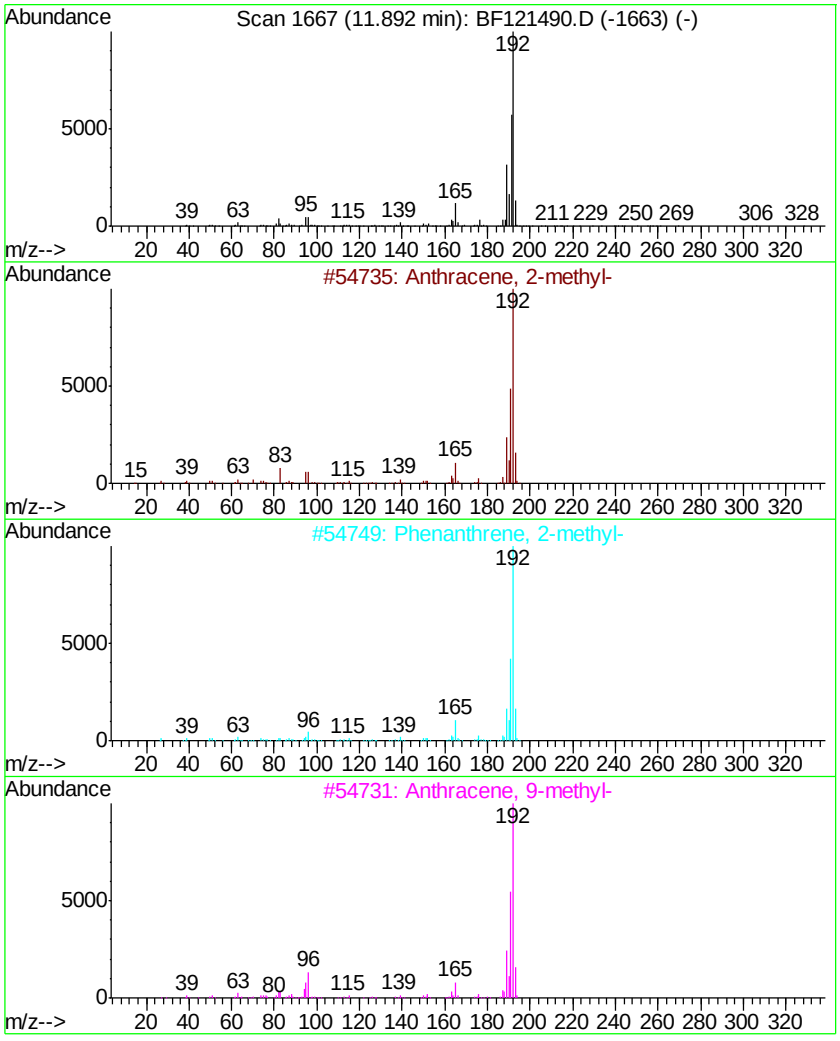
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

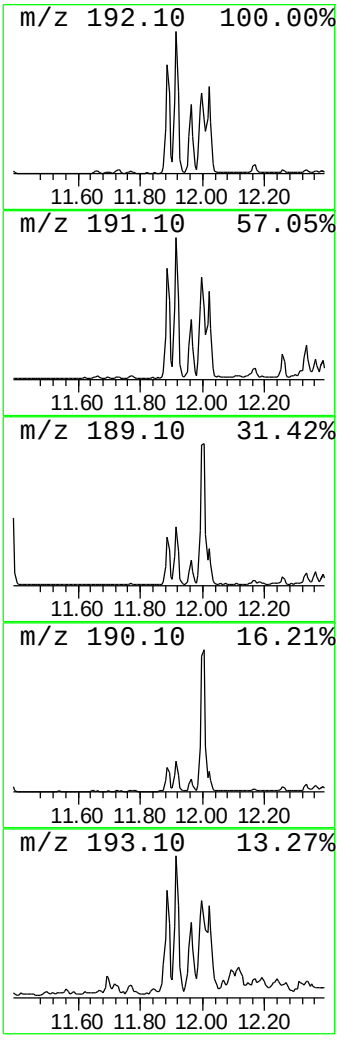
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	5.15 ng	505755	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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

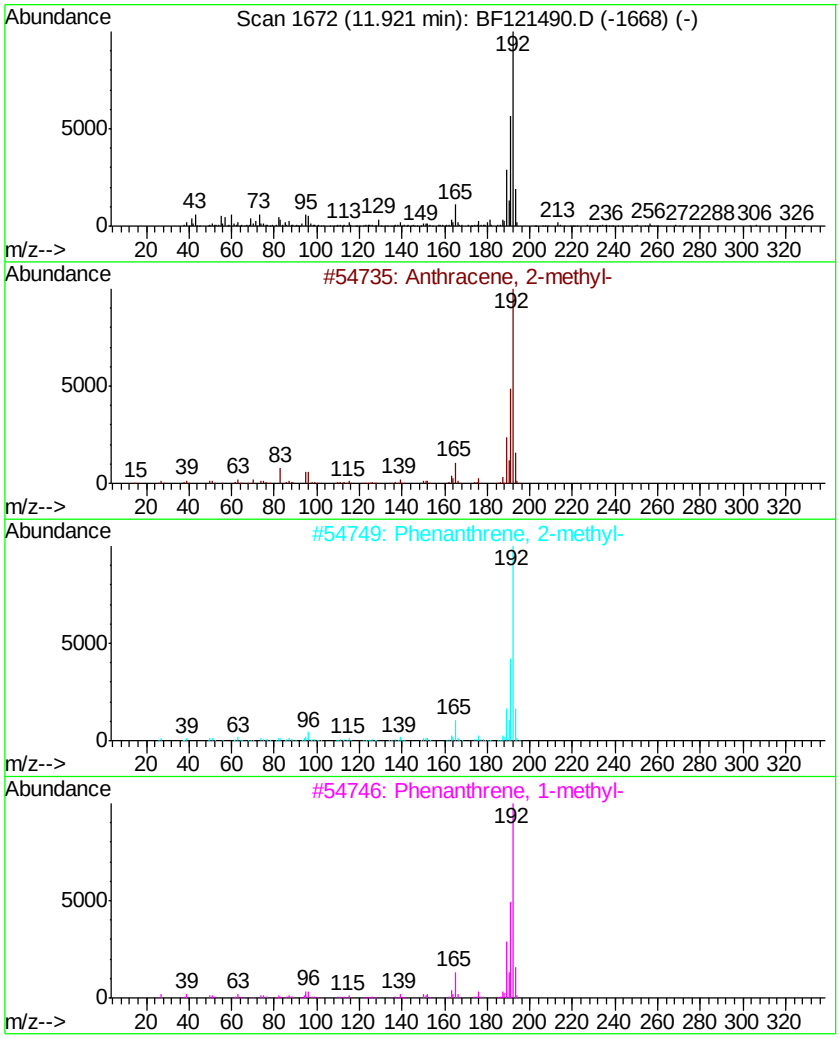
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

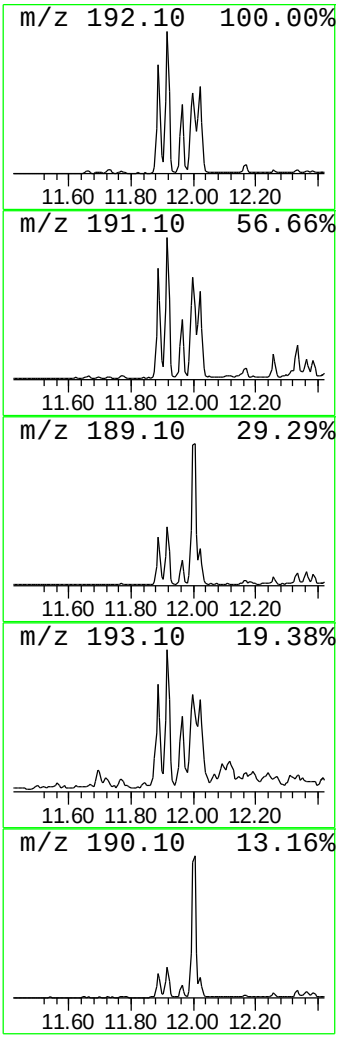
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	9.19 ng	901775	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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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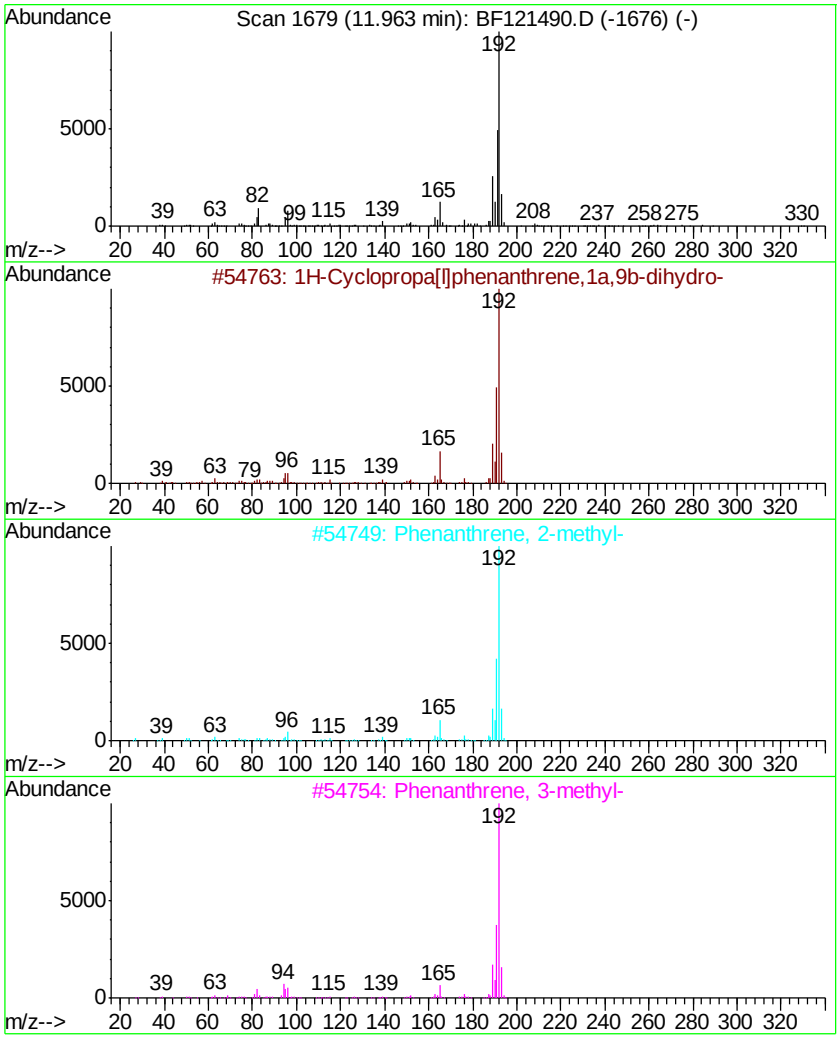
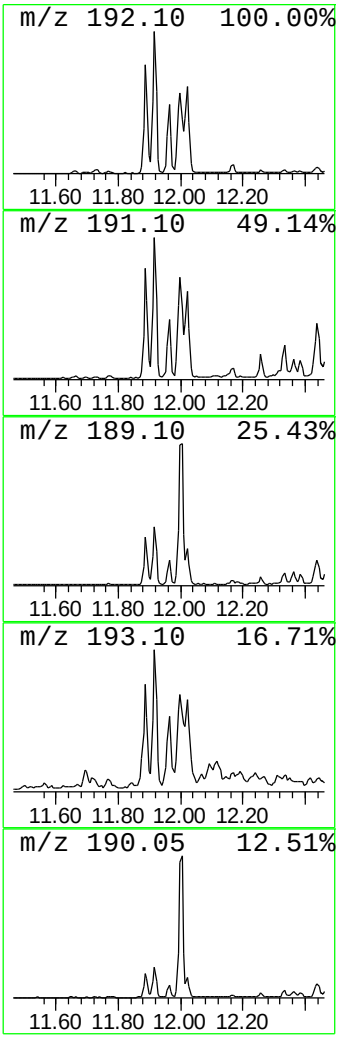
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.21 ng	315540	Phenanthrene-d10	11.39

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





Library Search Compound Report

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Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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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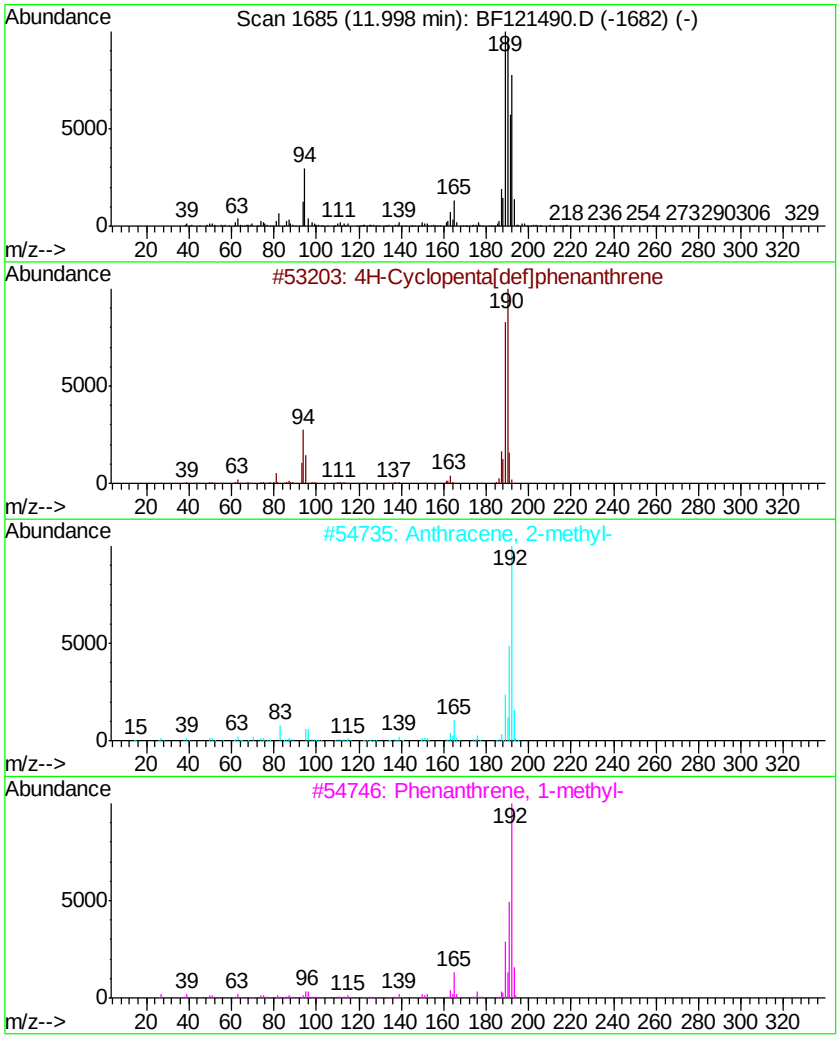
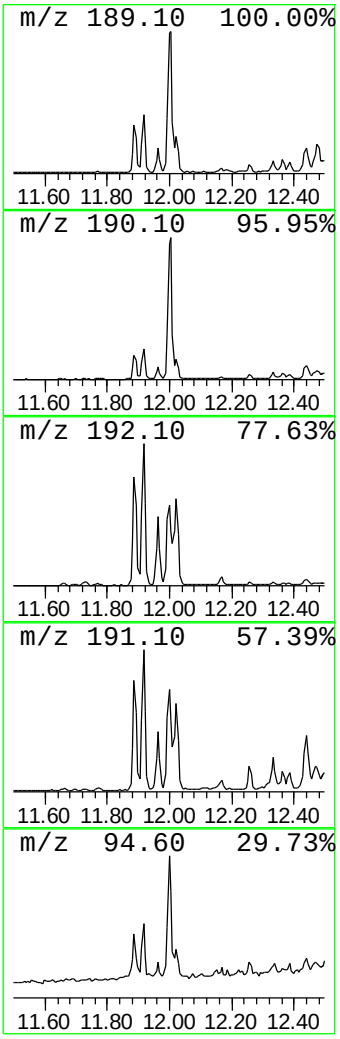
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	10.57 ng	1037300	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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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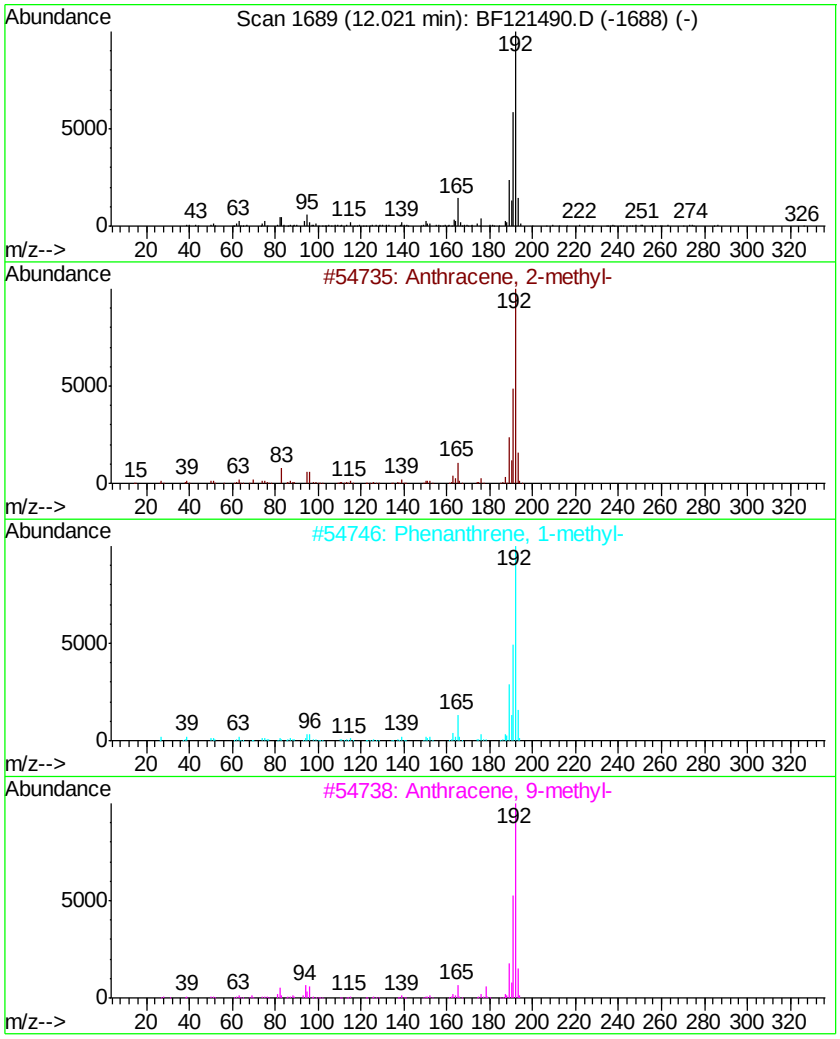
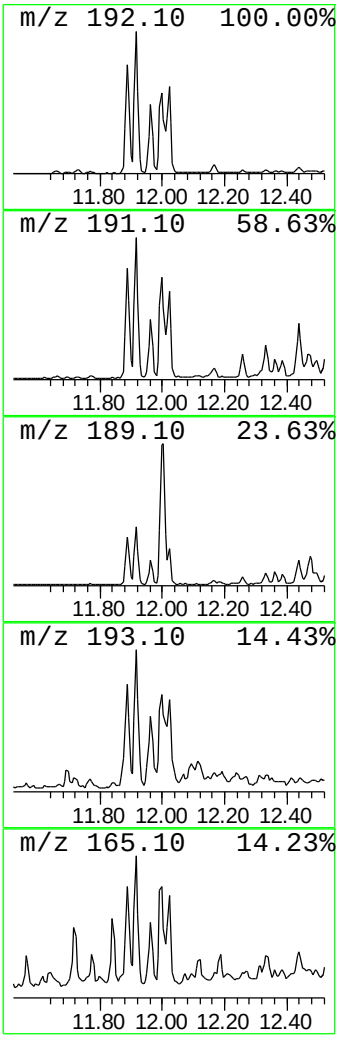
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.83 ng	278302	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : LINDEN-JOP-BH-08-A

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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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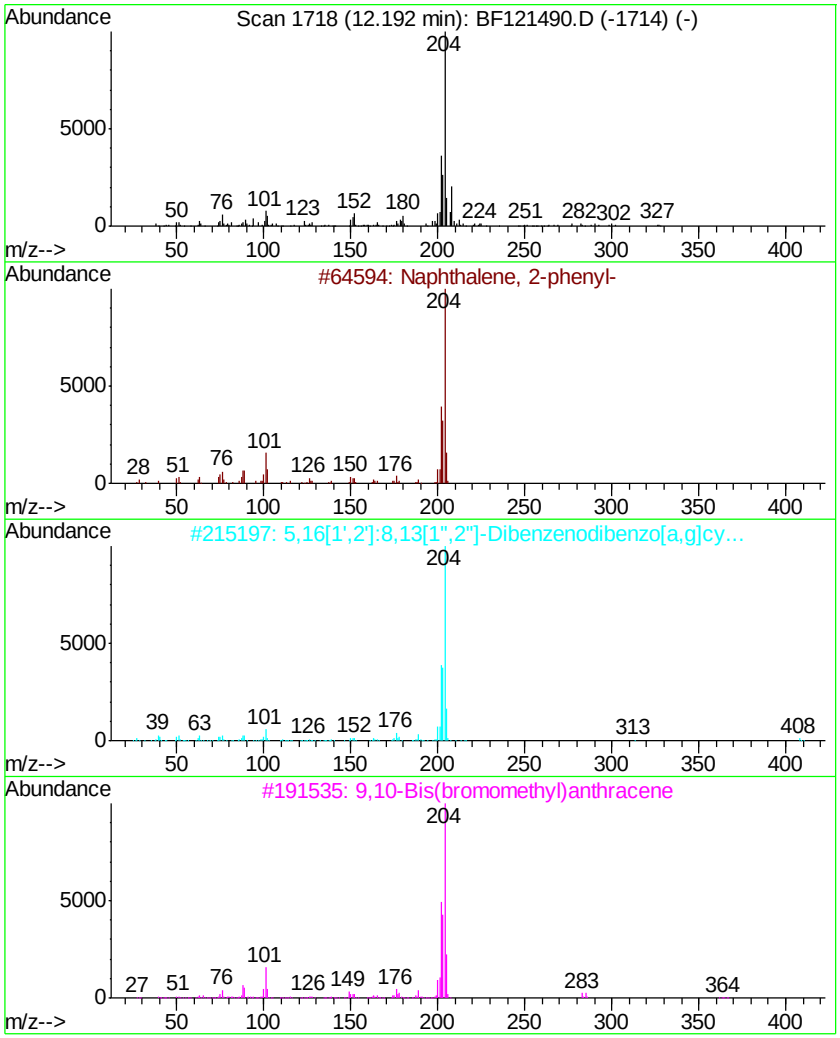
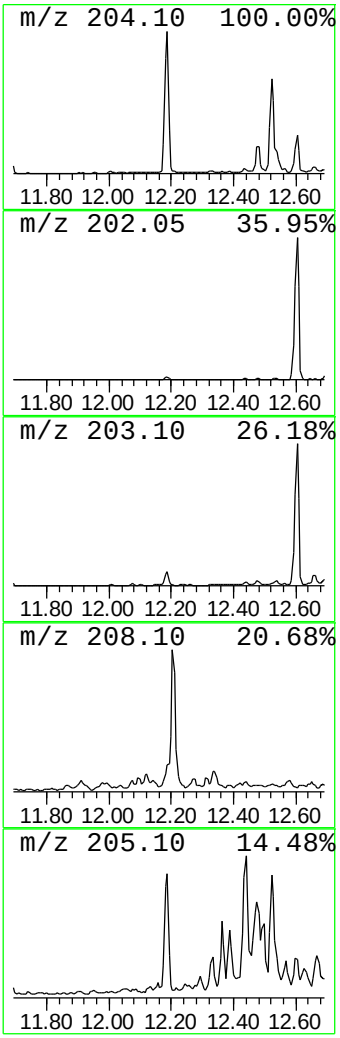
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.35 ng	328987	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	53





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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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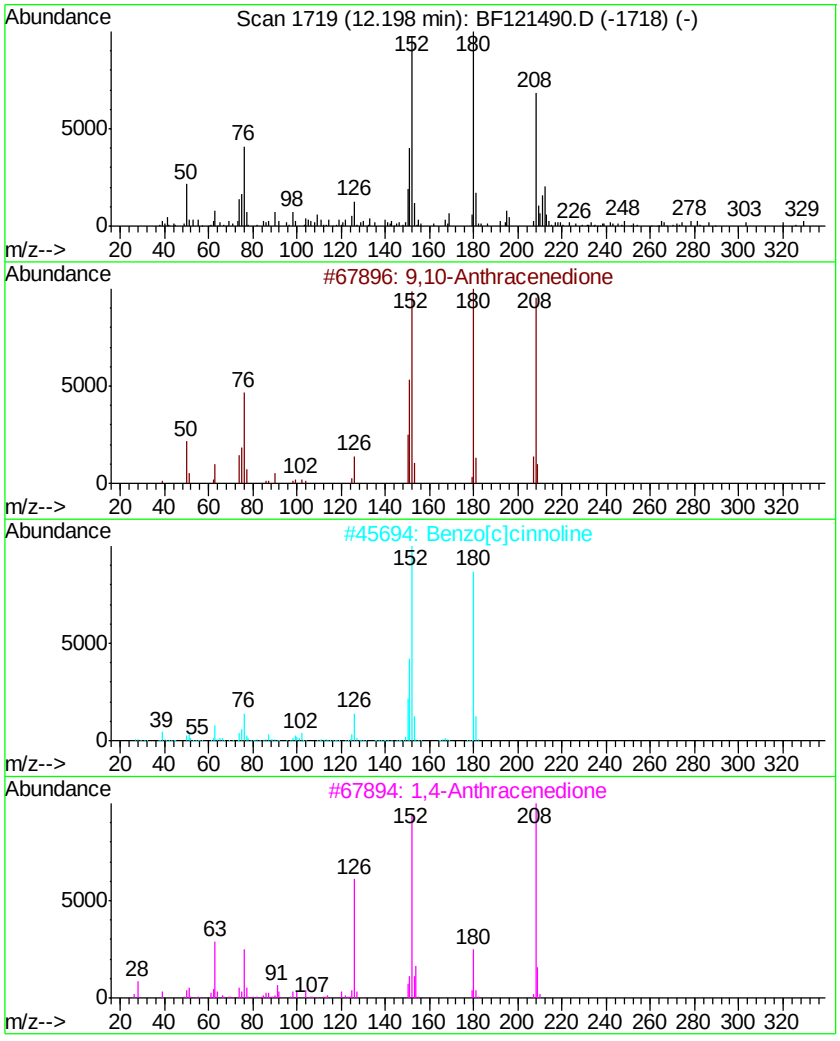
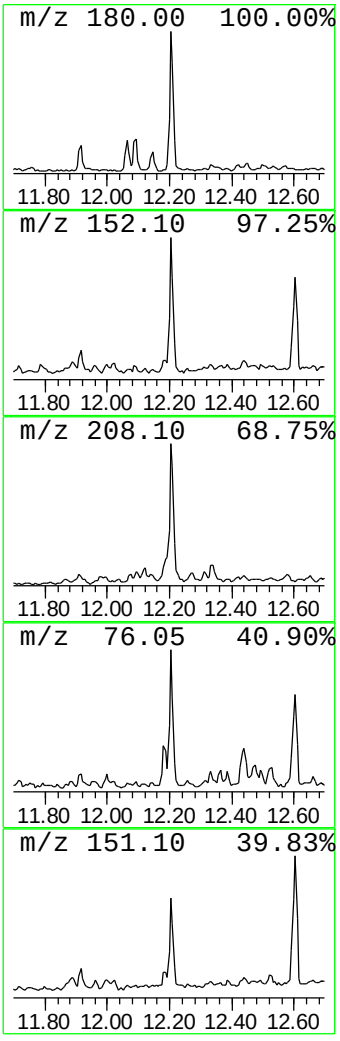
Peak Number 10 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.75 ng	269727	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Sample : L3847-01 2X
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ALS Vial : 19 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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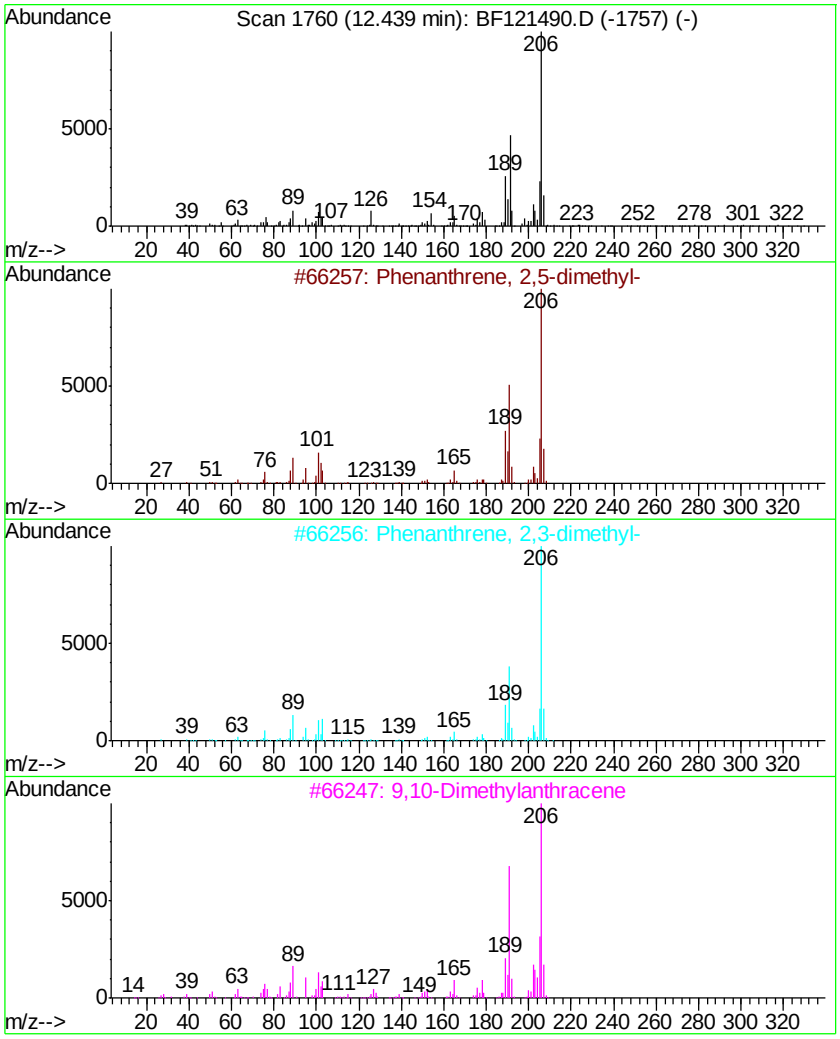
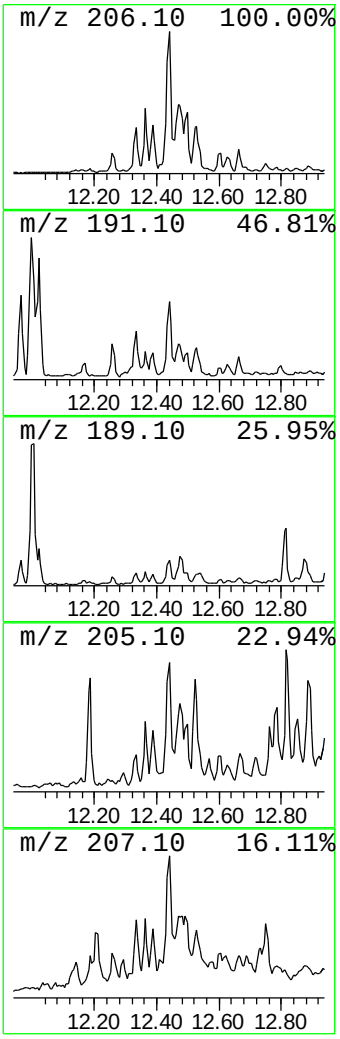
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	4.49 ng	440802	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	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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Operator : JU/CG
Sample : L3847-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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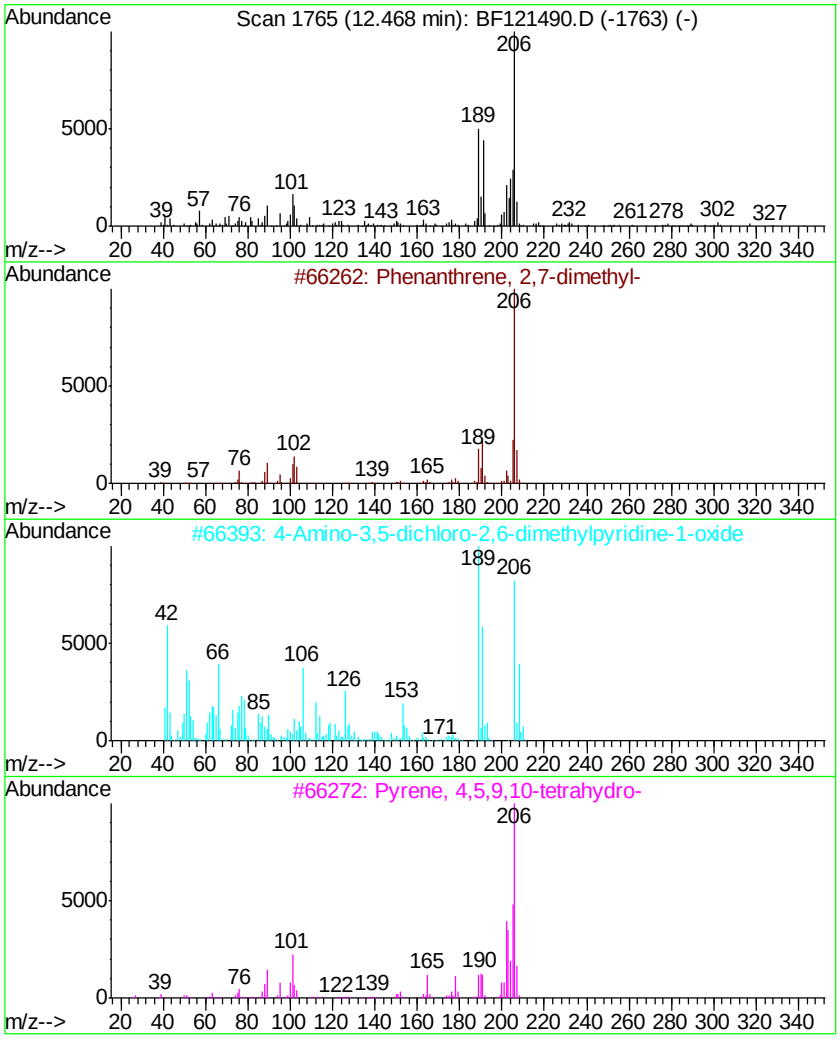
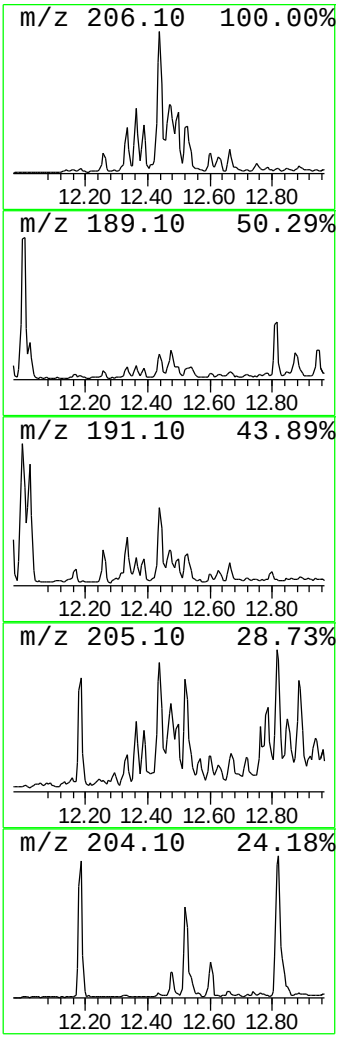
Peak Number 12 unknown12.47 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.73 ng	366171	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
2	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	30
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	25





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Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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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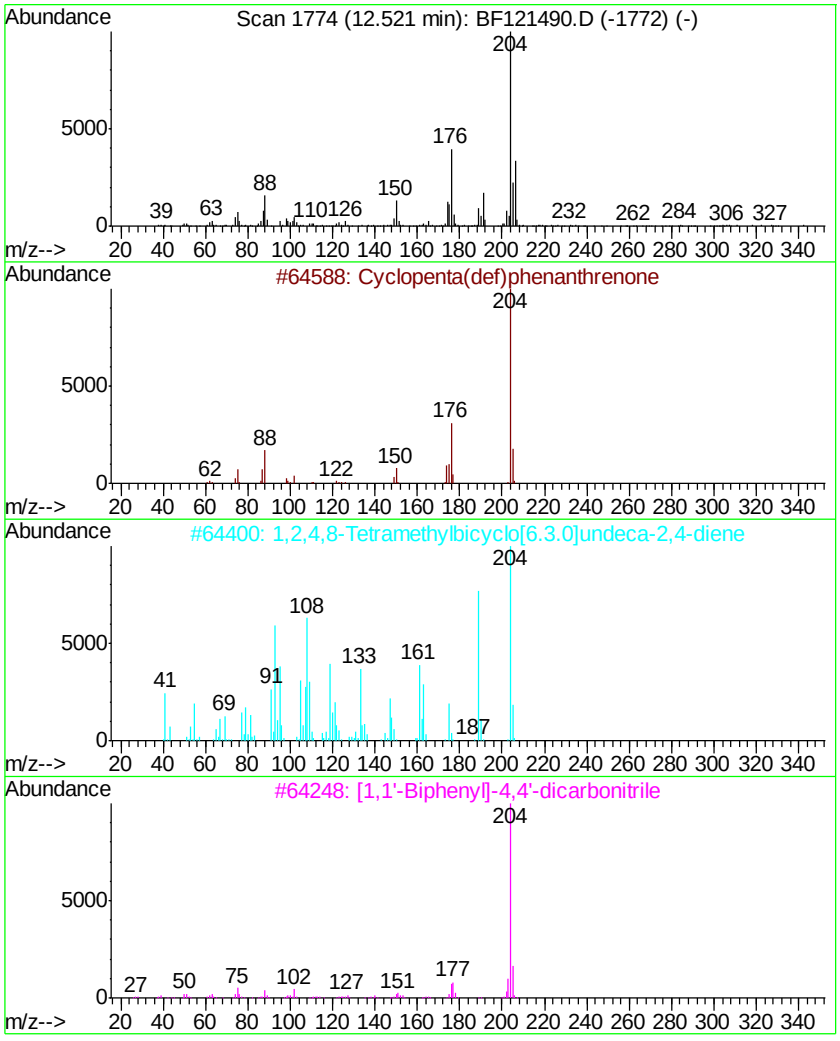
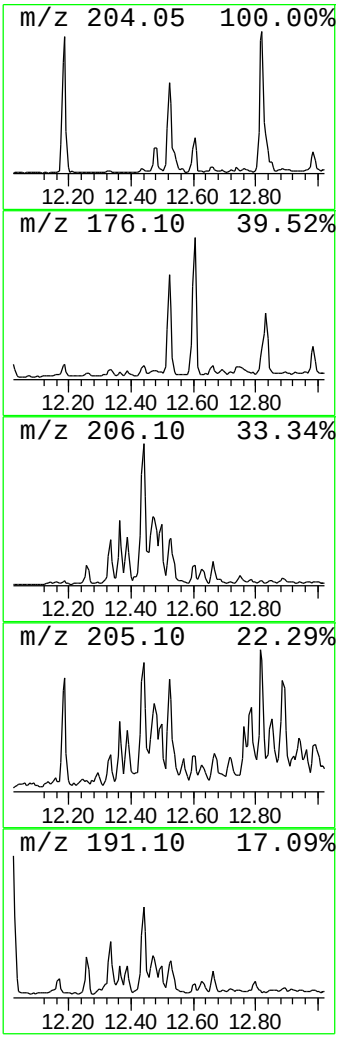
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	4.06 ng	398279	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
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
TIC Integration Parameters: LSCINT.P

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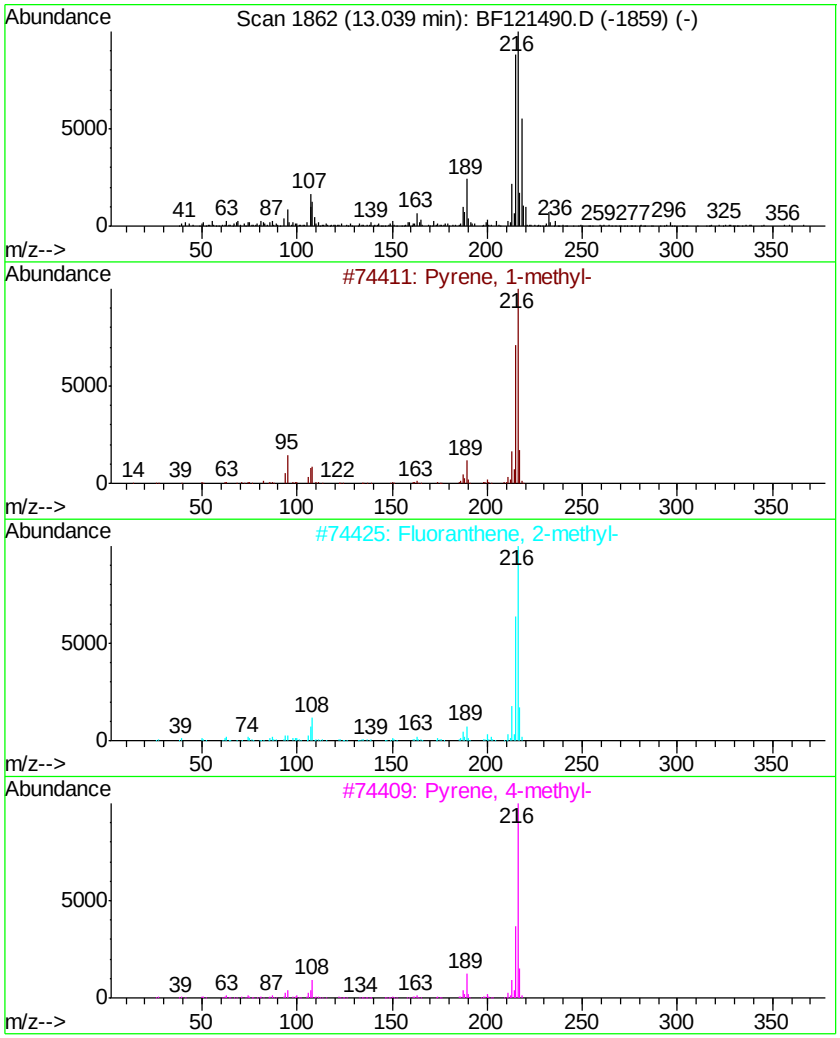
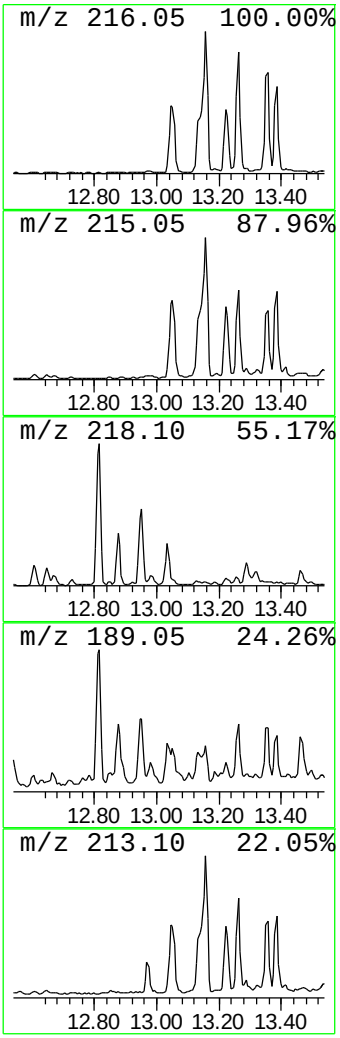
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	3.00 ng	733728	Chrysene-d12	14.03

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	90
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : L3847-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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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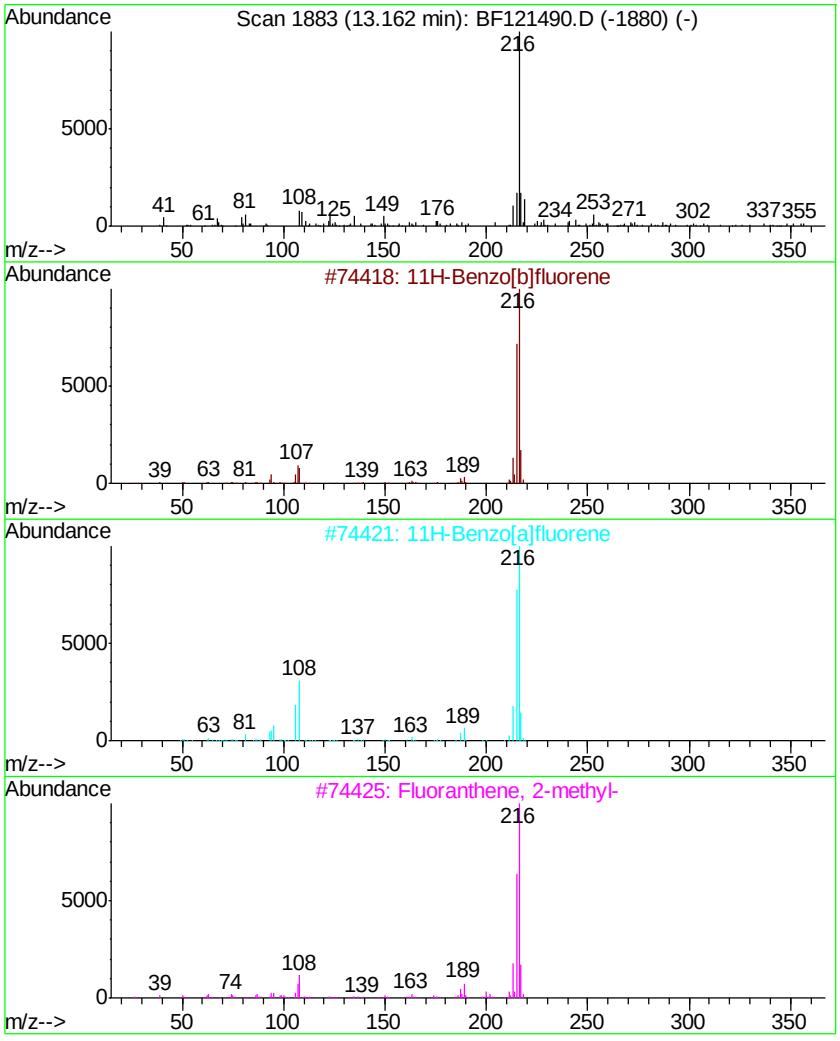
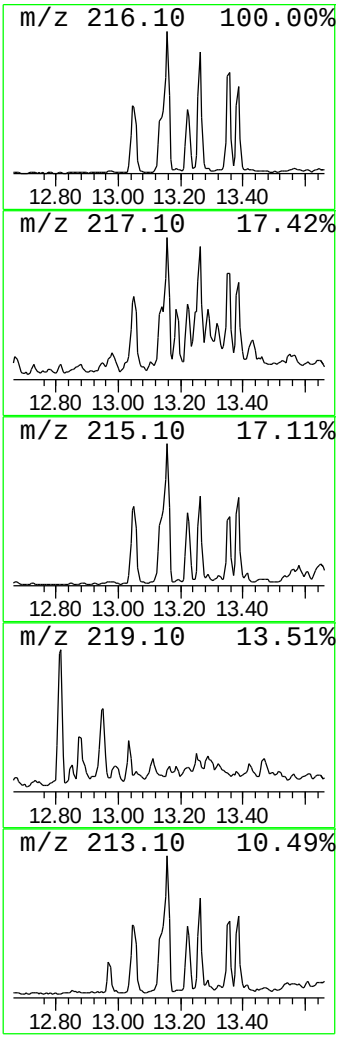
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.49 ng	609325	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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Sample : L3847-01 2X
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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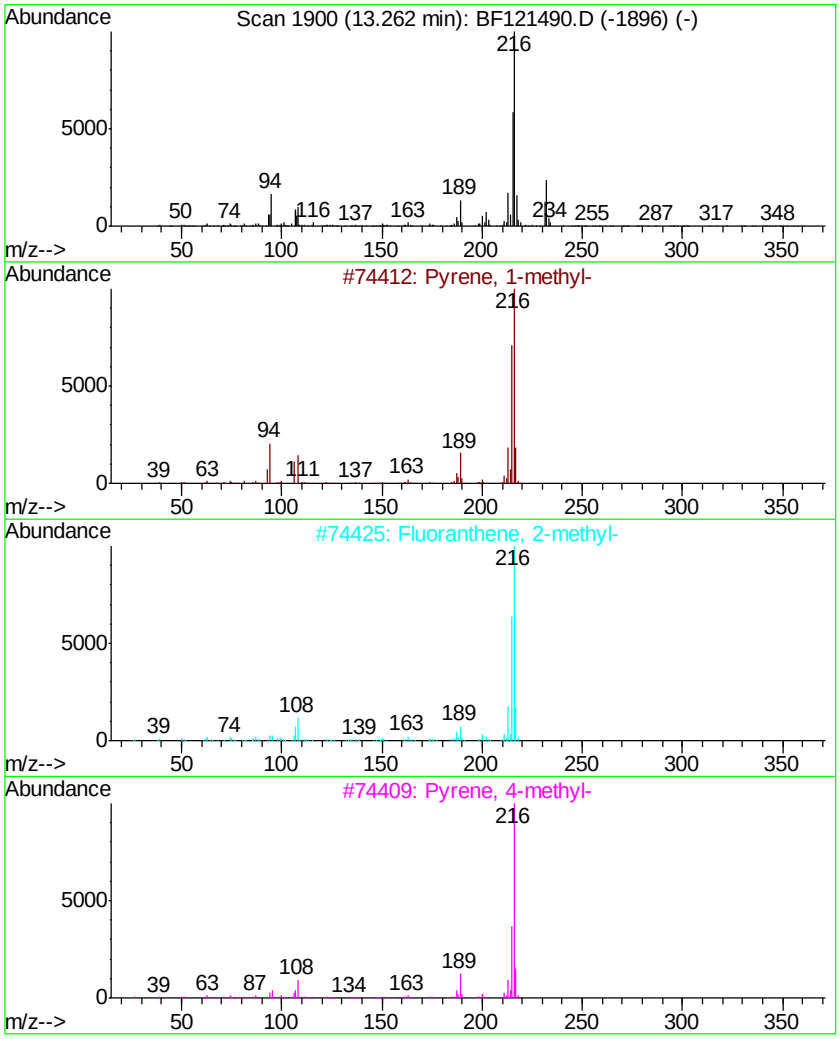
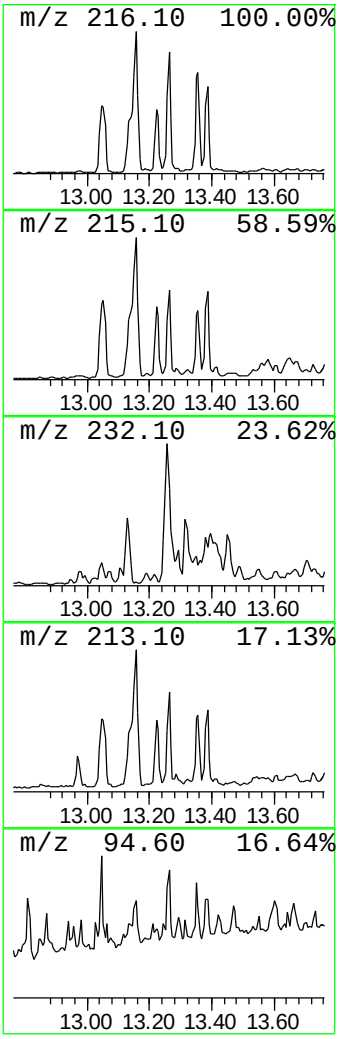
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.99 ng	732775	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Misc :
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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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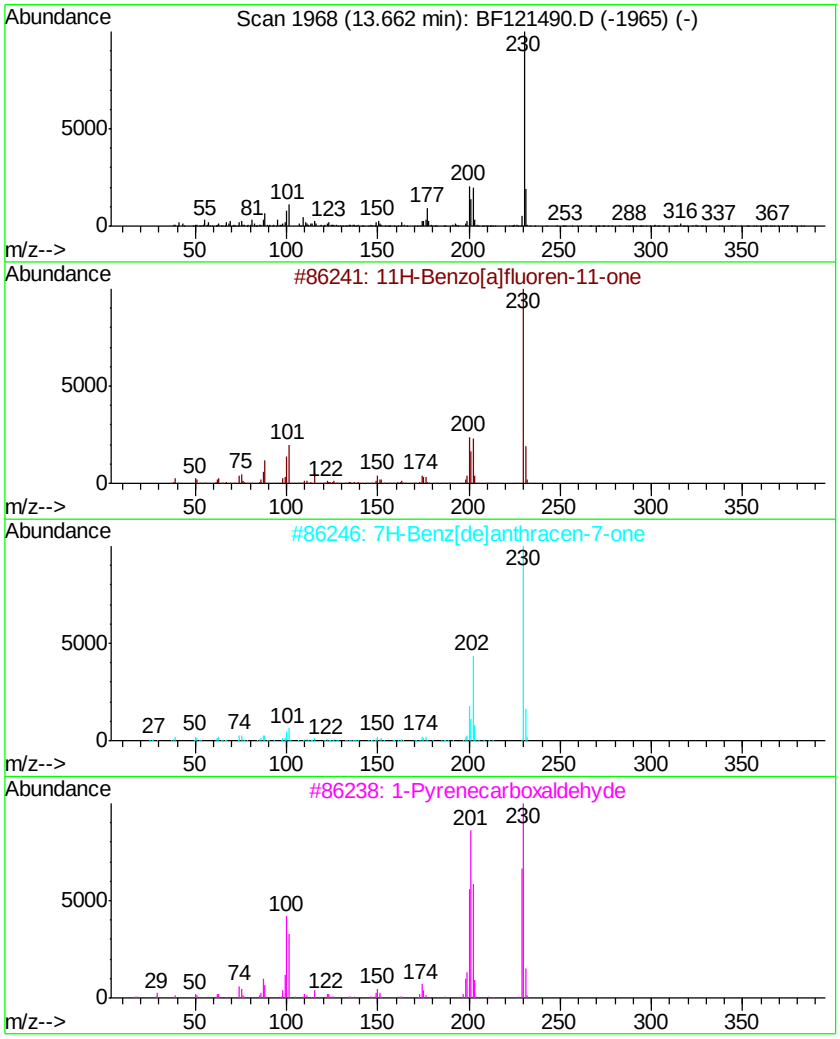
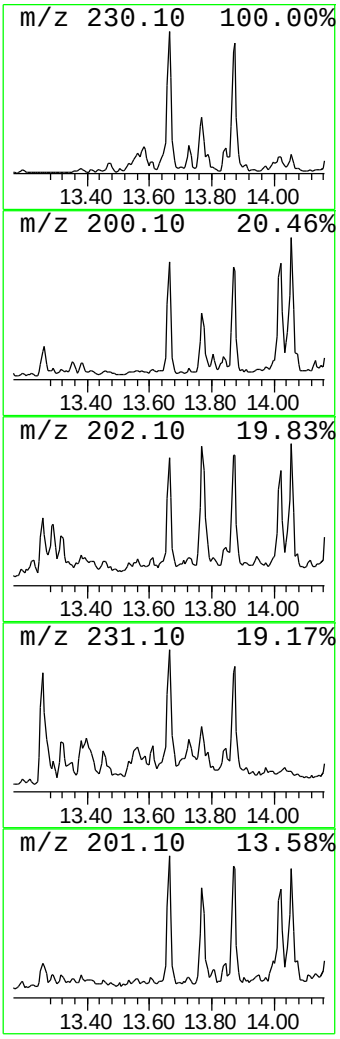
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	2.77 ng	679193	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	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
5	p-Terphenyl	230	C18H14	000092-94-4	47





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Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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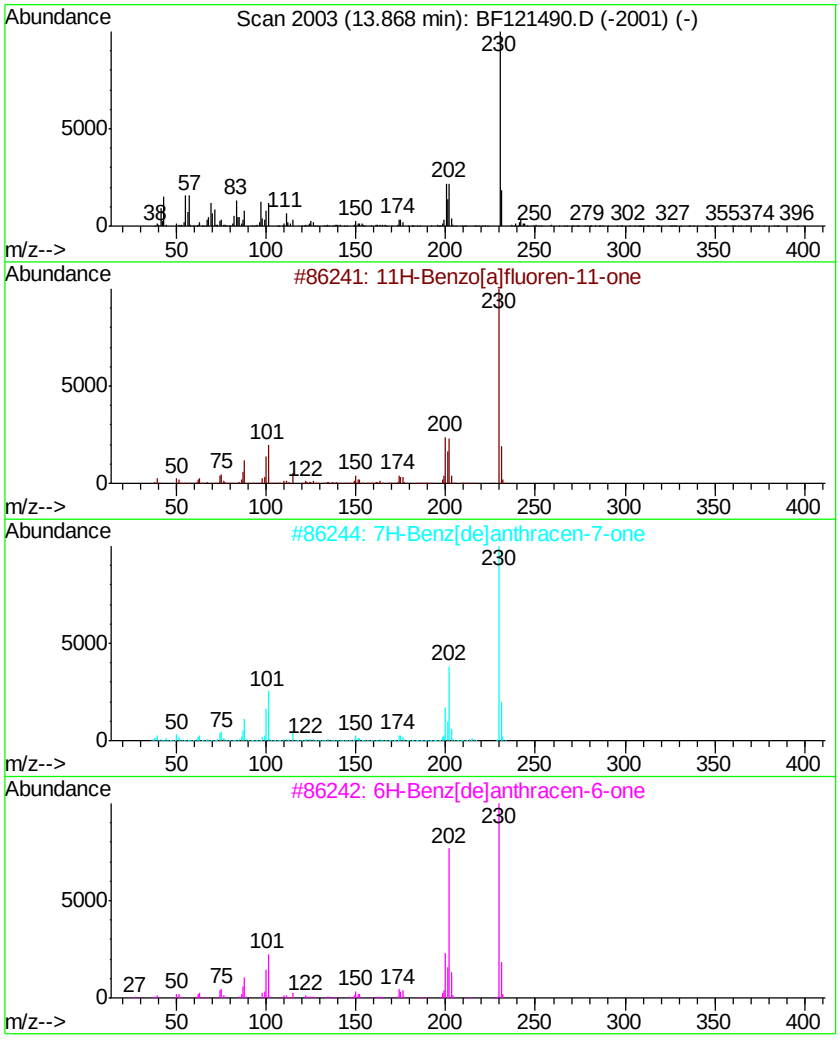
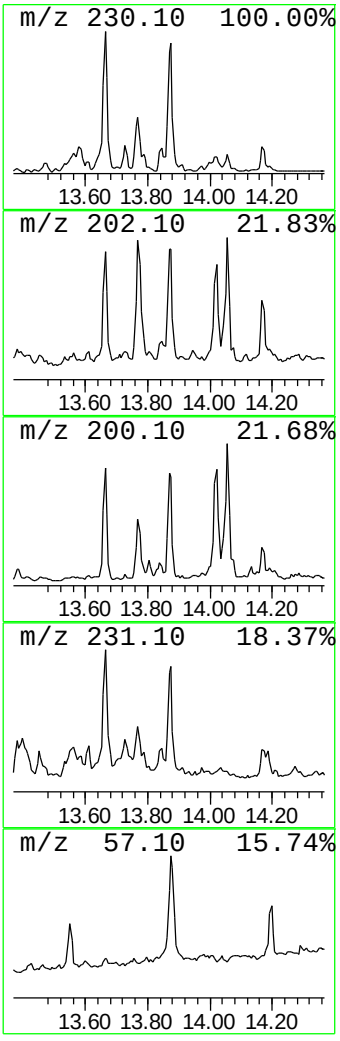
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.76 ng	920883	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	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59
4	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	52
5	m-Terphenyl	230	C18H14	000092-06-8	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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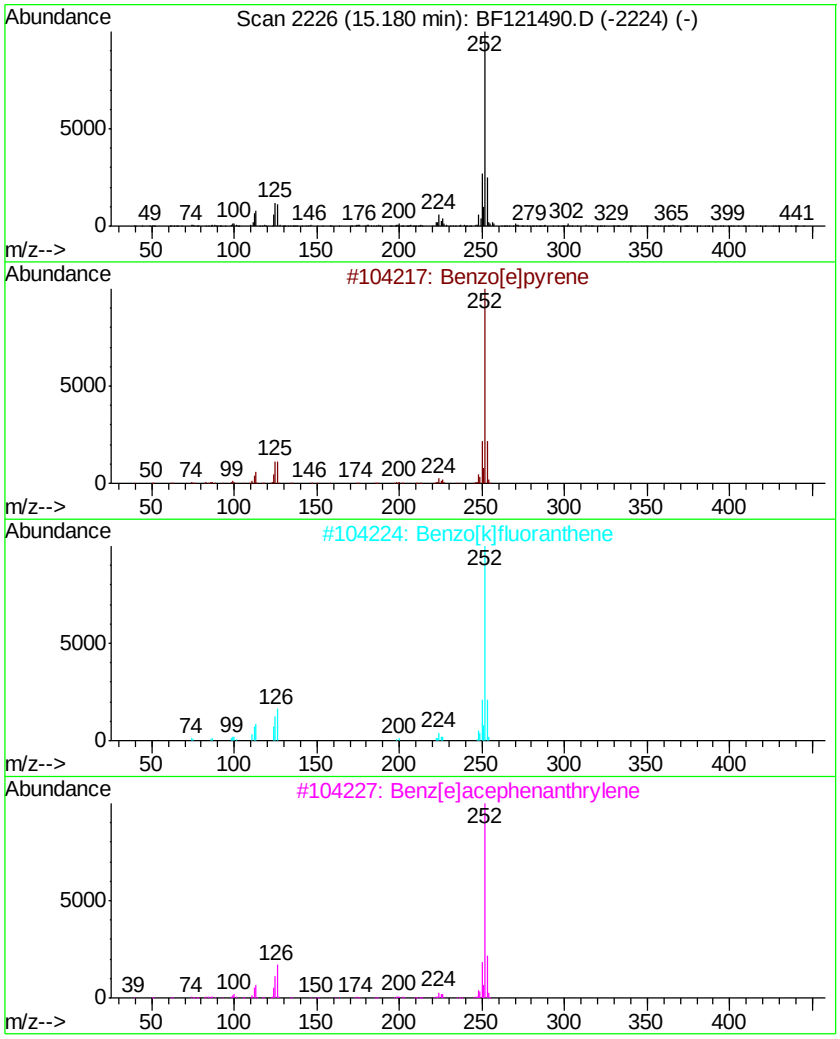
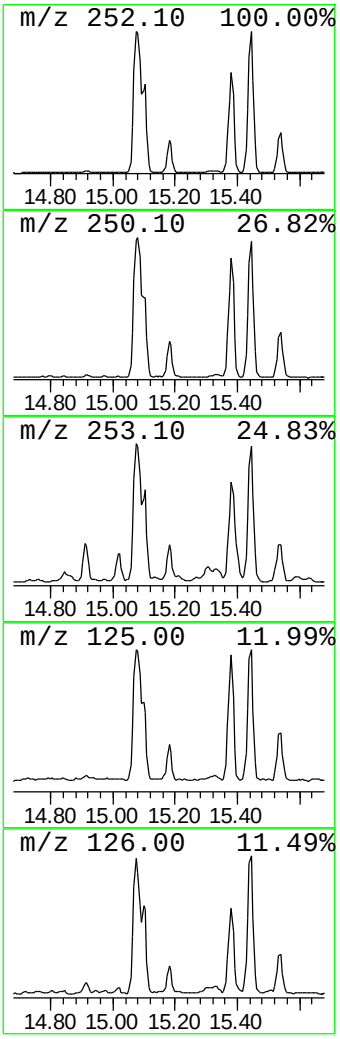
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	6.90 ng	470209	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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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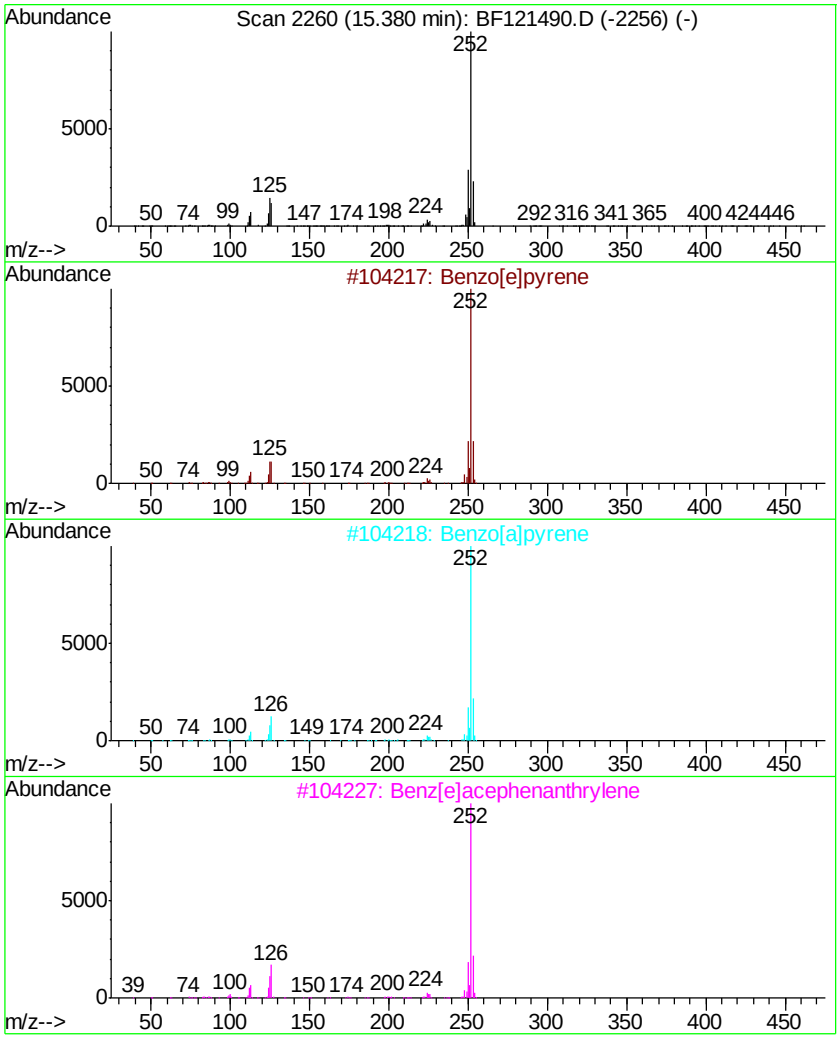
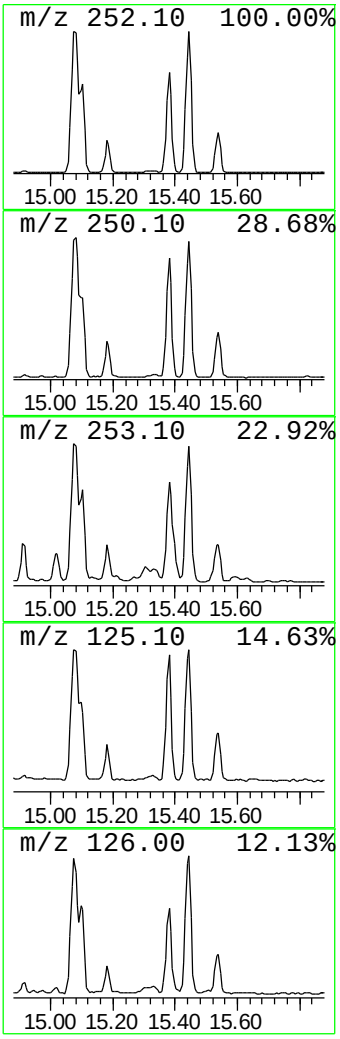
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	26.39 ng	1798350	Perylene-d12	15.51

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083120\
Data File : BF121490.D
Acq On : 31 Aug 2020 21:35
Operator : JU/CG
Sample : L3847-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-A

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...	2.13	18.5	ng	1650260	1	6.86	1781610	20.0
Tetradecane	10.81	2.4	ng	230319	4	11.39	1963490	20.0
Dibenzothiophene	11.28	2.3	ng	229360	4	11.39	1963490	20.0
Anthracene, 2-met...	11.89	5.2	ng	505755	4	11.39	1963490	20.0
Phenanthrene, 2-m...	11.92	9.2	ng	901775	4	11.39	1963490	20.0
1H-Cyclopropa[l]p...	11.96	3.2	ng	315540	4	11.39	1963490	20.0
4H-Cyclopenta[def...	12.00	10.6	ng	1037300	4	11.39	1963490	20.0
Phenanthrene, 1-m...	12.02	2.8	ng	278302	4	11.39	1963490	20.0
Naphthalene, 2-ph...	12.19	3.4	ng	328987	4	11.39	1963490	20.0
9,10-Anthracenedione	12.20	2.8	ng	269727	4	11.39	1963490	20.0
Phenanthrene, 2,5...	12.44	4.5	ng	440802	4	11.39	1963490	20.0
unknown12.47	12.47	3.7	ng	366171	4	11.39	1963490	20.0
Cyclopenta(def)ph...	12.52	4.1	ng	398279	4	11.39	1963490	20.0
Pyrene, 1-methyl-	13.04	3.0	ng	733728	5	14.03	4898710	20.0
11H-Benzo[b]fluorene	13.16	2.5	ng	609325	5	14.03	4898710	20.0
Fluoranthene, 2-m...	13.26	3.0	ng	732775	5	14.03	4898710	20.0
11H-Benzo[a]fluor...	13.66	2.8	ng	679193	5	14.03	4898710	20.0
7H-Benz[de]anthra...	13.87	3.8	ng	920883	5	14.03	4898710	20.0
Benzo[e]pyrene	15.18	6.9	ng	470209	6	15.51	1363060	20.0
Perylene	15.38	26.4	ng	1798350	6	15.51	1363060	20.0