LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121486.D
Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-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-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	2.146	5	10	23	rVB	1109441	1431185	26.69%	1.679%
2	5.069	504	507	521	rVB	52712	77516	1.45%	0.091%
3	5.475	571	576	579	rBV	3396303	3075060	57.35%	3.607%
4	6.481	743	747	750	rBV	3536566	3161736	58.97%	3.708%
5	6.863	808	812	815	rBV	2154445	1842651	34.37%	2.161%
6	7.422	902	907	910	rBV	2464589	2175251	40.57%	2.551%
7	8.145	1026	1030	1032	rBV	2762782	2294949	42.80%	2.692%
8	8.163	1032	1033	1041	rVB	315017	237427	4.43%	0.278%
9	8.857	1148	1151	1157	rVB	192070	151102	2.82%	0.177%
10	8.957	1163	1168	1173	rBV	163913	139450	2.60%	0.164%
11	9.222	1208	1213	1216	rBV	4769992	4144421	77.30%	4.861%
12	9.322	1227	1230	1235	rVB	77436	87348	1.63%	0.102%
13	9.486	1252	1258	1262	rBV	82874	124798	2.33%	0.146%
14	9.557	1265	1270	1272	rVV	163747	154726	2.89%	0.181%
15	9.586	1272	1275	1277	rVV	88321	87165	1.63%	0.102%
16	9.610	1277	1279	1284	rVV	194482	185472	3.46%	0.218%
17	9.675	1286	1290	1296	rVV	86050	97897	1.83%	0.115%
18	9.757	1299	1304	1308	rBV	236889	211204	3.94%	0.248%
19	9.898	1322	1328	1331	rBV	2865944	2534019	47.26%	2.972%
20	9.933	1331	1334	1337	rVB	571525	491609	9.17%	0.577%
21	10.057	1350	1355	1359	rBV2	54713	67399	1.26%	0.079%
22	10.104	1359	1363	1367	rVV	464053	424023	7.91%	0.497%
23	10.216	1378	1382	1385	rBV	71049	76819	1.43%	0.090%
24	10.304	1392	1397	1399	rBV3	76441	95971	1.79%	0.113%
25	10.445	1417	1421	1426	rBV	793202	666772	12.44%	0.782%
26	10.604	1445	1448	1454	rVB	200676	187013	3.49%	0.219%
27	10.686	1454	1462	1466	rBV	2466042	2361990	44.05%	2.770%
28	10.733	1466	1470	1474	rVB2	59231	82966	1.55%	0.097%
29	10.810	1479	1483	1489	rVB4	93231	121527	2.27%	0.143%
30	10.992	1508	1514	1517	rBV3	174351	253652	4.73%	0.298%
31	11.022	1517	1519	1522	rVV2	98973	90051	1.68%	0.106%
32	11.074	1525	1528	1531	rVV	77986	81713	1.52%	0.096%
33	11.122	1531	1536	1538	rVV3	112247	143979	2.69%	0.169%
34	11.145	1538	1540	1545	rVV2	135353	150453	2.81%	0.176%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121486.D
Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.186	1545	1547	1551	rVV	177698	164832	3.07%	0.193%
36	11.233	1551	1555	1560	rVV4	124381	234546	4.37%	0.275%
37	11.280	1560	1563	1569	rVB	389889	347729	6.49%	0.408%
38	11.386	1577	1581	1583	rBV	2571909	2473382	46.13%	2.901%
39	11.410	1583	1585	1588	rVV	5108431	4545155	84.77%	5.331%
40	11.463	1588	1594	1597	rVV	1570606	1438526	26.83%	1.687%
41	11.492	1597	1599	1602	rVB	168618	147464	2.75%	0.173%
42	11.610	1614	1619	1622	rBV2	536939	608108	11.34%	0.713%
43	11.680	1629	1631	1634	rBV2	145450	110524	2.06%	0.130%
44	11.716	1634	1637	1641	rVB3	110614	93122	1.74%	0.109%
45	11.798	1648	1651	1656	rVB	67107	79278	1.48%	0.093%
46	11.886	1660	1666	1668	rBV	671305	603531	11.26%	0.708%
47	11.916	1668	1671	1675	rVV	1084026	1036934	19.34%	1.216%
48	11.963	1675	1679	1681	rVV	388793	342659	6.39%	0.402%
49	11.998	1681	1685	1687	rVV	1048317	1068198	19.92%	1.253%
50	12.021	1687	1689	1692	rVB	424028	336030	6.27%	0.394%
51	12.086	1698	1700	1703	rVB2	99126	84634	1.58%	0.099%
52	12.180	1713	1716	1718	rBV	469590	385143	7.18%	0.452%
53	12.204	1718	1720	1723	rVB	272493	210608	3.93%	0.247%
54	12.333	1739	1742	1744	rVB	132480	103062	1.92%	0.121%
55	12.363	1744	1747	1749	rBV	108048	90400	1.69%	0.106%
56	12.386	1749	1751	1753	rVB	129996	98260	1.83%	0.115%
57	12.433	1756	1759	1762	rBV	312679	349563	6.52%	0.410%
58	12.474	1763	1766	1771	rVB3	234220	305312	5.69%	0.358%
59	12.521	1771	1774	1779	rVB2	255008	288097	5.37%	0.338%
60	12.604	1783	1788	1791	rBV	5531645	5087734	94.89%	5.967%
61	12.692	1801	1803	1806	rBV2	144274	140273	2.62%	0.165%
62	12.751	1810	1813	1817	rVB	186745	170066	3.17%	0.199%
63	12.833	1820	1827	1832	rBV2	4315007	5361680	100.00%	6.289%
64	12.874	1832	1834	1839	rVB2	247862	280386	5.23%	0.329%
65	12.945	1843	1846	1847	rBV	303933	249281	4.65%	0.292%
66	12.968	1847	1850	1857	rVB	3624657	3709527	69.19%	4.351%
67	13.045	1858	1863	1866	rBV2	332663	558462	10.42%	0.655%
68	13.074	1866	1868	1871	rVB	138467	98922	1.84%	0.116%
69	13.157	1875	1882	1885	rVB2	724892	1002848	18.70%	1.176%
70	13.186	1885	1887	1889	rBV2	73518	83411	1.56%	0.098%
71	13.221	1890	1893	1896	rVB	527951	430747	8.03%	0.505%

LSC Area Percent Report

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Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.257	1896	1899	1902	rBV2	493787	490474	9.15%	0.575%
73	13.286	1902	1904	1907	rVB	100196	78031	1.46%	0.092%
74	13.315	1907	1909	1912	rBV3	101208	108079	2.02%	0.127%
75	13.351	1912	1915	1918	rBV	288217	220551	4.11%	0.259%
76	13.380	1918	1920	1924	rBV2	285301	270478	5.04%	0.317%
77	13.457	1930	1933	1938	rVB4	153912	178768	3.33%	0.210%
78	13.533	1943	1946	1947	rBV	93688	111228	2.07%	0.130%
79	13.663	1965	1968	1972	rVB	290840	330503	6.16%	0.388%
80	13.774	1983	1987	1989	rBV2	387796	468748	8.74%	0.550%
81	13.804	1989	1992	1994	rVV	497615	498115	9.29%	0.584%
82	13.827	1994	1996	2000	rVV2	373773	531560	9.91%	0.623%
83	13.868	2000	2003	2010	rVB3	771333	879208	16.40%	1.031%
84	14.021	2022	2029	2032	rBV3	3277047	4825894	90.01%	5.660%
85	14.051	2032	2034	2040	rVB	2337403	2075922	38.72%	2.435%
86	14.133	2045	2048	2050	rVV	335545	259795	4.85%	0.305%
87	14.245	2064	2067	2071	rBV2	231836	311419	5.81%	0.365%
88	14.410	2093	2095	2098	rVB	395293	314842	5.87%	0.369%
89	14.445	2099	2101	2104	rVV	279630	226445	4.22%	0.266%
90	14.504	2108	2111	2114	rVV2	309431	352489	6.57%	0.413%
91	14.533	2114	2116	2118	rVV	253708	248460	4.63%	0.291%
92	14.557	2118	2120	2124	rVB3	276658	256537	4.78%	0.301%
93	15.068	2203	2207	2210	rBV	1839417	2699730	50.35%	3.166%
94	15.174	2222	2225	2232	rVB	457753	547209	10.21%	0.642%
95	15.374	2255	2259	2265	rVB	1127445	1498941	27.96%	1.758%
96	15.433	2265	2269	2275	rBV	1635255	2133655	39.79%	2.503%
97	15.498	2276	2280	2283	rVV	1454942	1901690	35.47%	2.230%
98	15.527	2283	2285	2292	rVB2	585613	799591	14.91%	0.938%
99	16.962	2524	2529	2538	rVB2	679351	1389878	25.92%	1.630%
100	17.403	2599	2604	2615	rVB	502973	1023218	19.08%	1.200%

Sum of corrected areas: 85259206

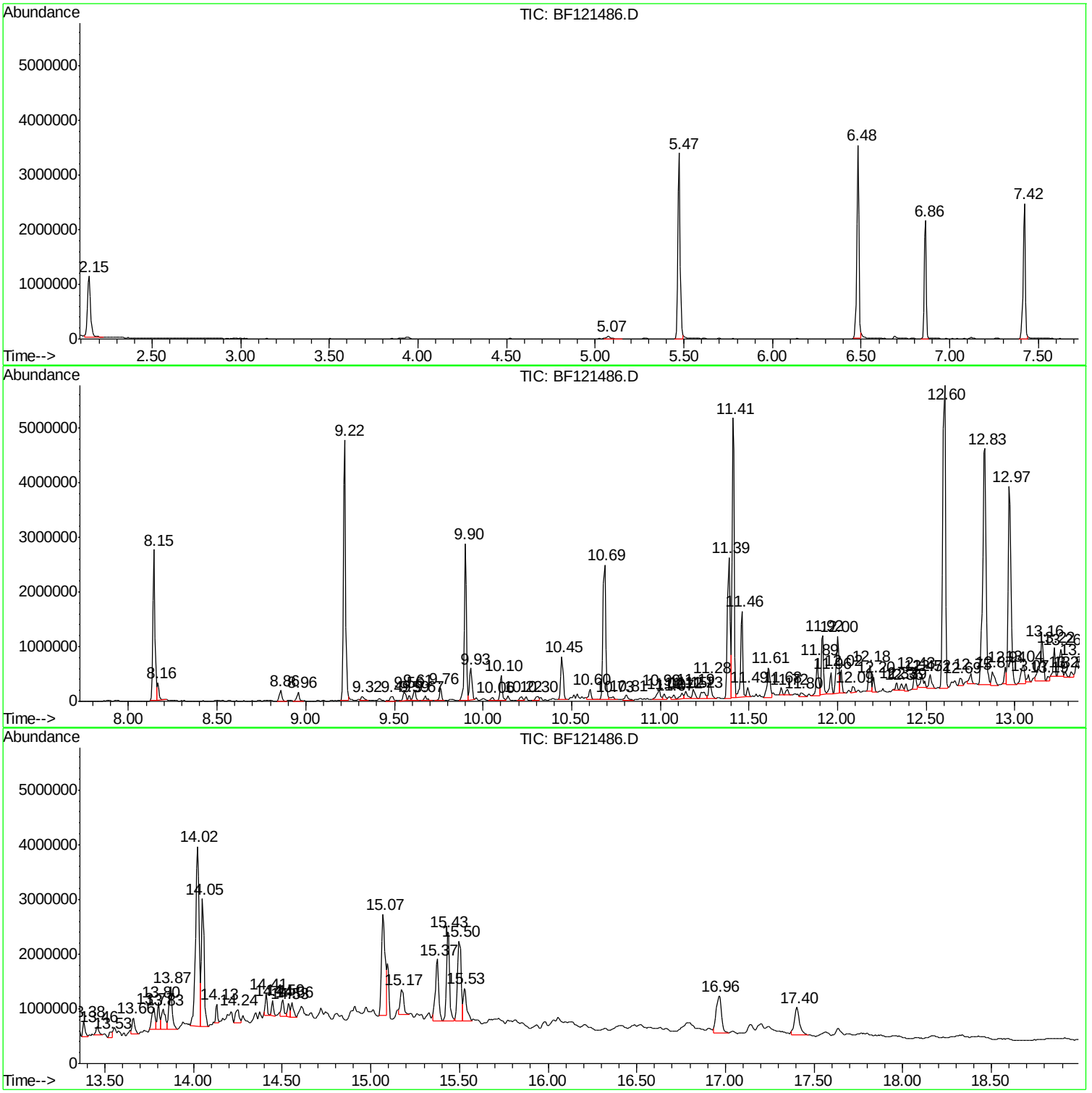
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121486.D
Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

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 : BF121486.D
Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
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Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

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

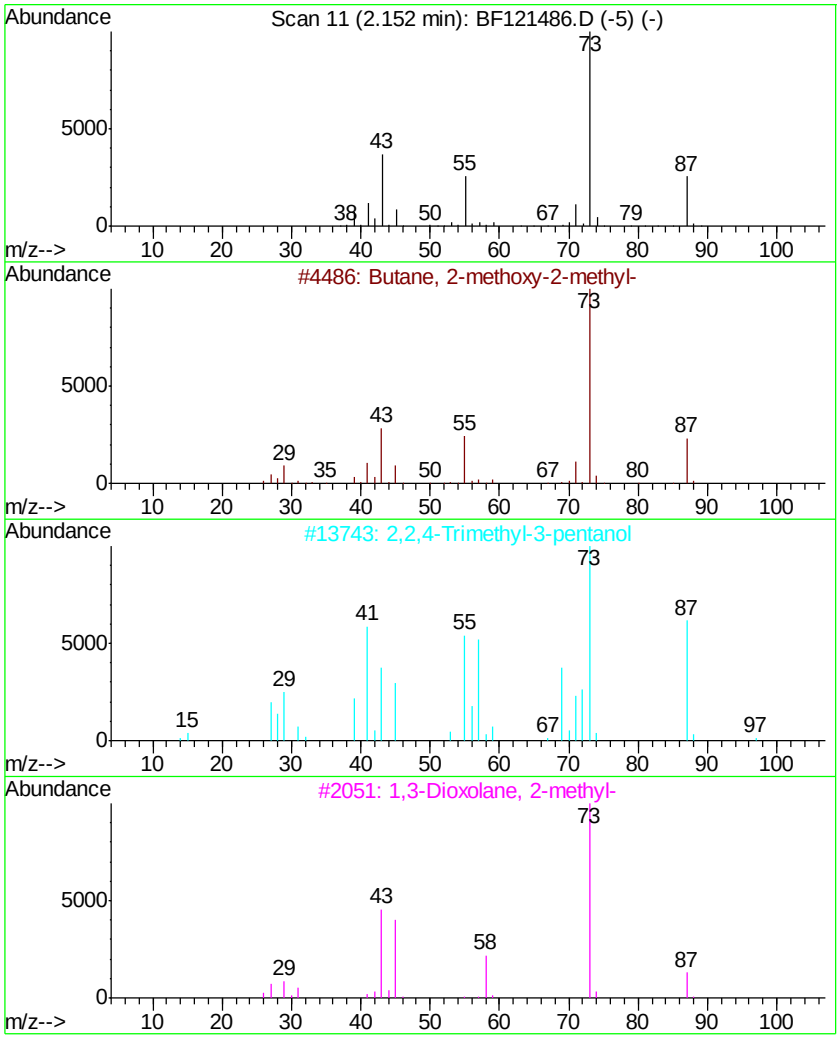
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

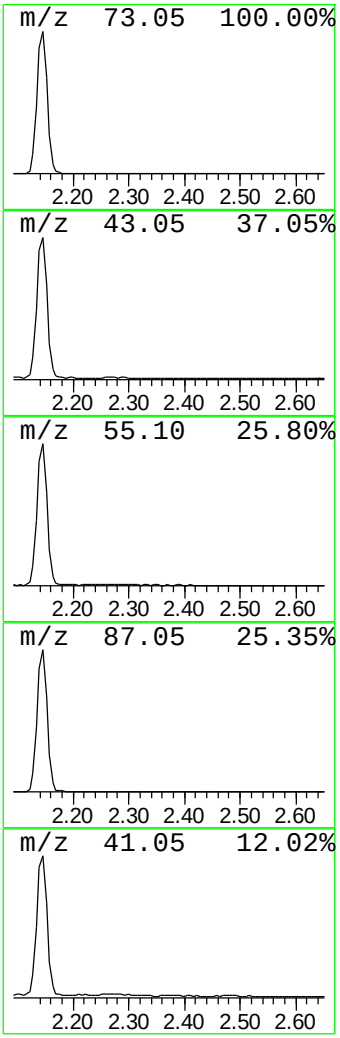
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	15.53 ng	1431190	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\BF083120\
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Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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

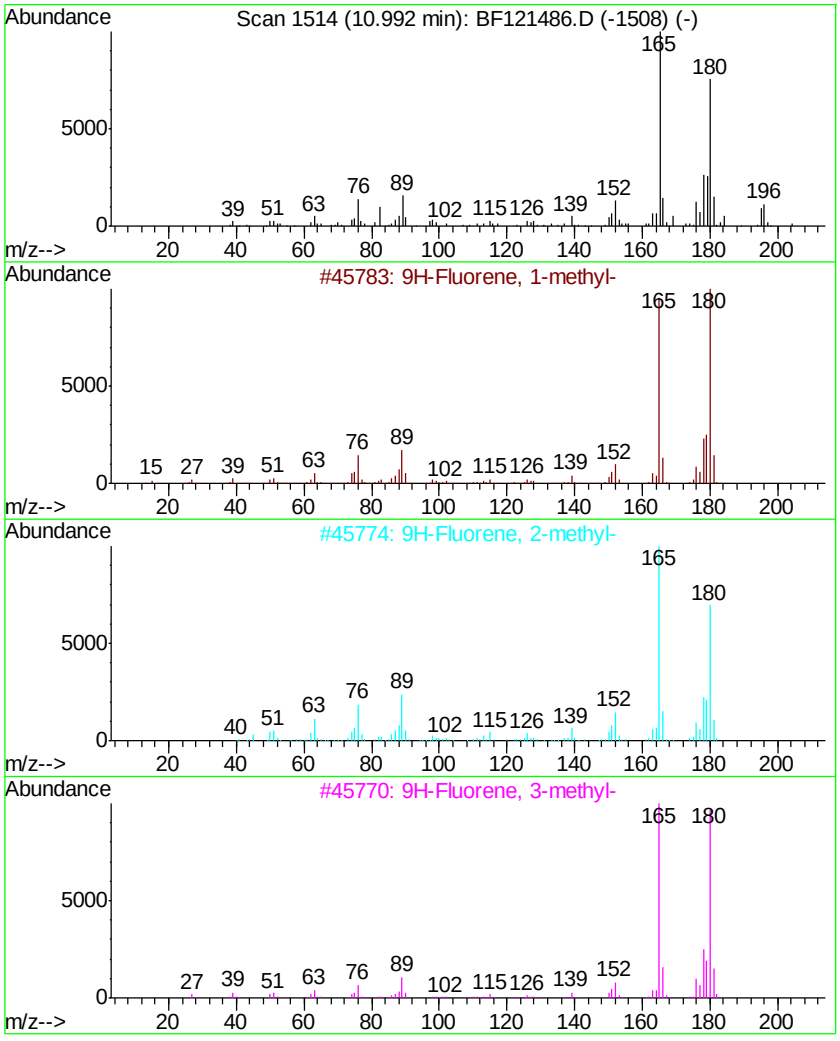
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

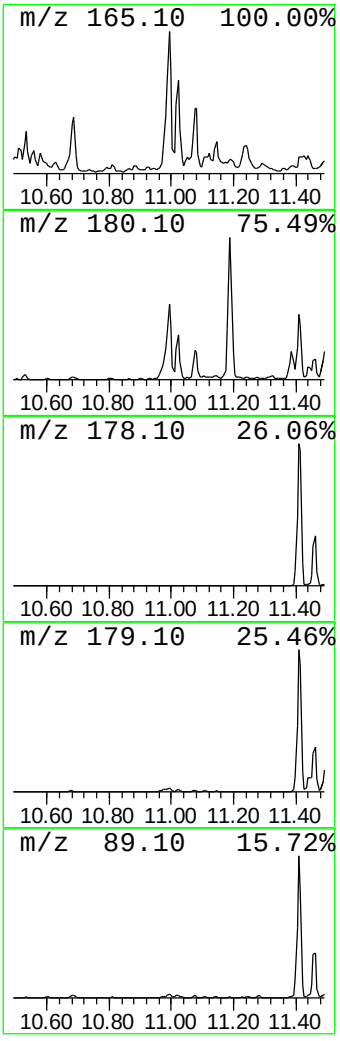
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	2.05 ng	253652	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Library Search Compound Report

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Acq On : 31 Aug 2020 19:32
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ClientSampleId : LINDEN-JOP-BH-10-B

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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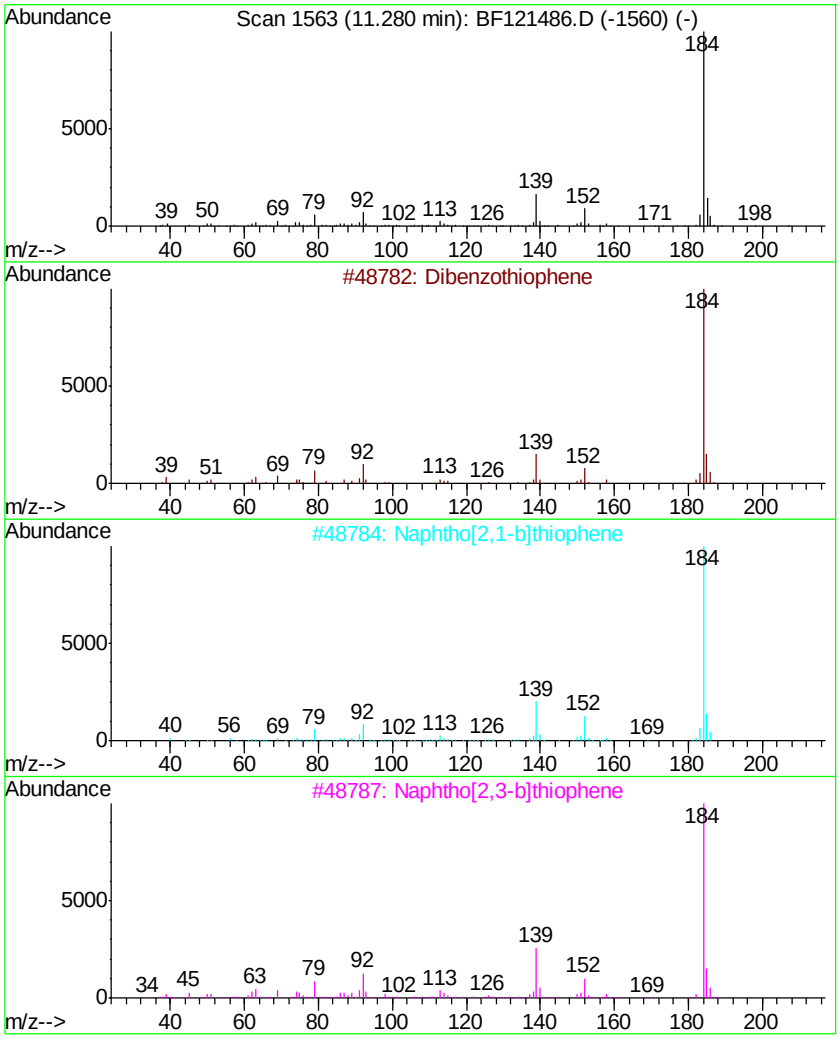
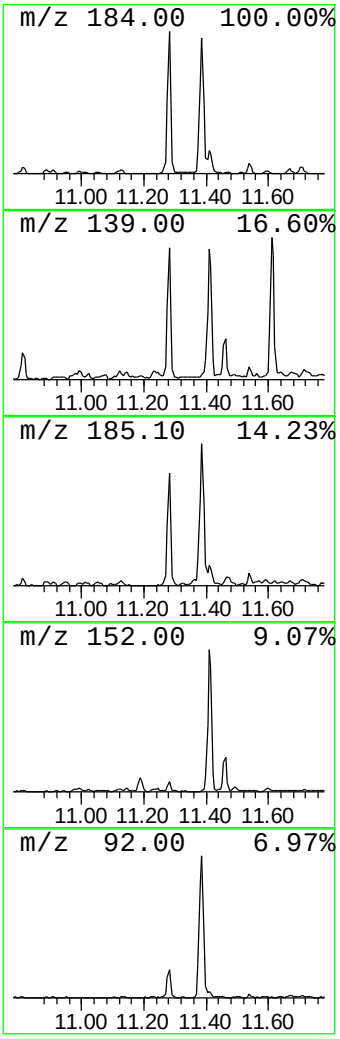
Peak Number 3 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	2.81 ng	347729	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Library Search Compound Report

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Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-B

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

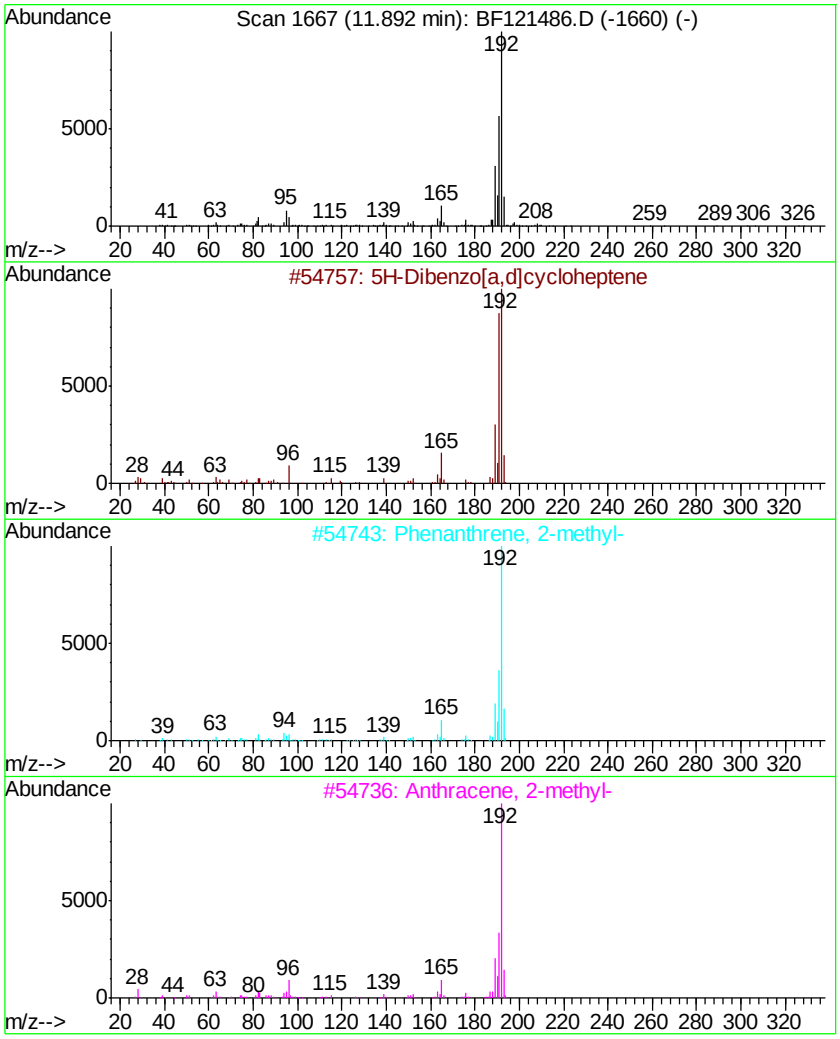
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

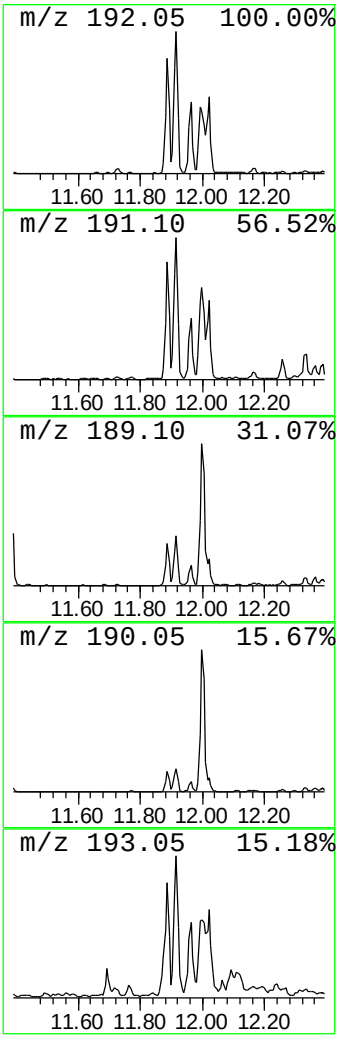
****

Peak Number 4 5H-Dibenzo[a,d]cycloheptene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	4.88 ng	603531	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

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Data File : BF121486.D
Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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

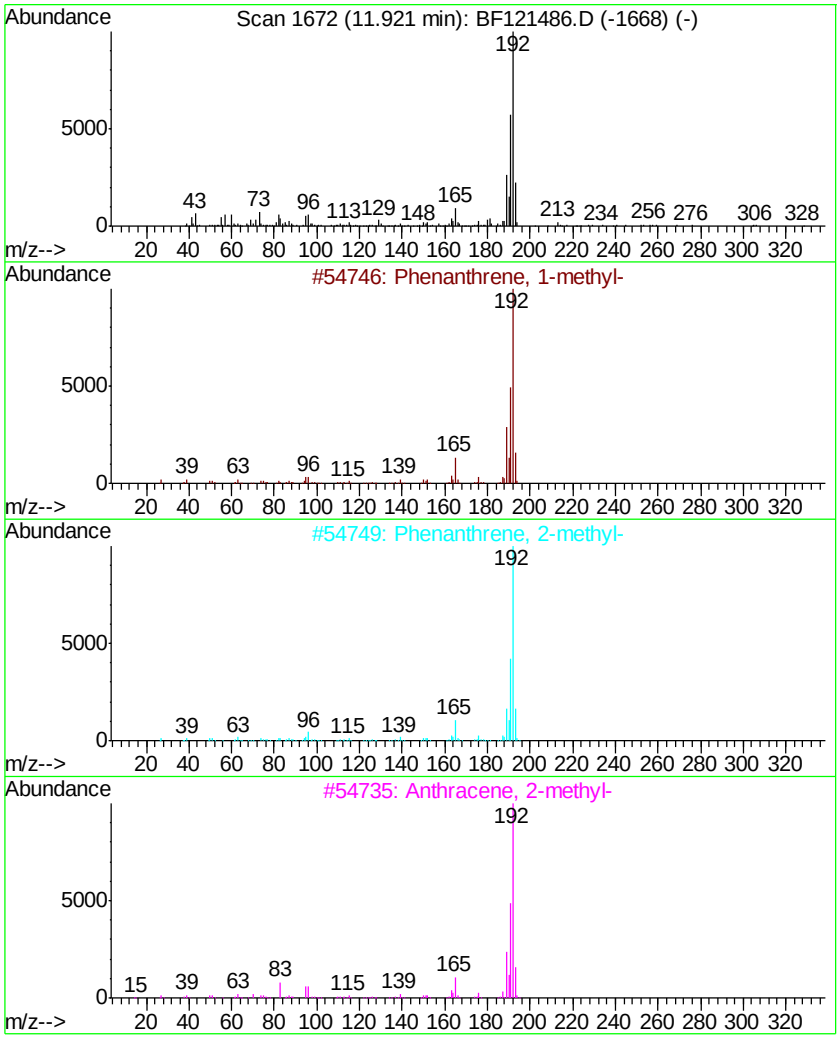
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

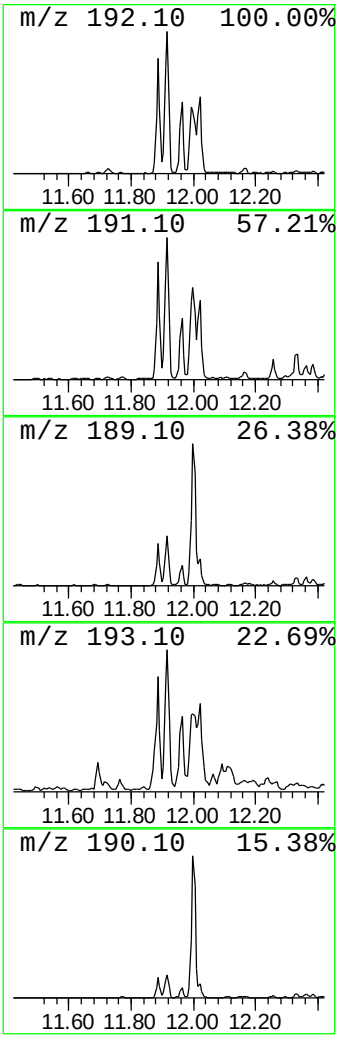
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	8.38 ng	1036930	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

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Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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

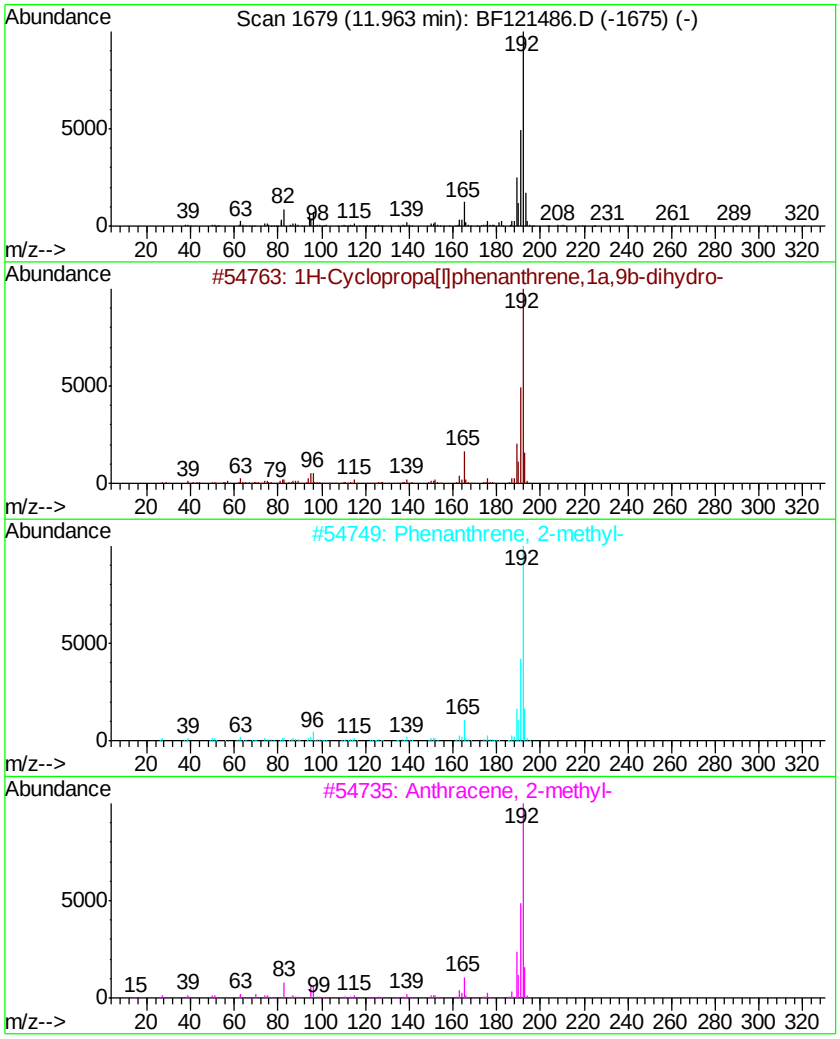
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

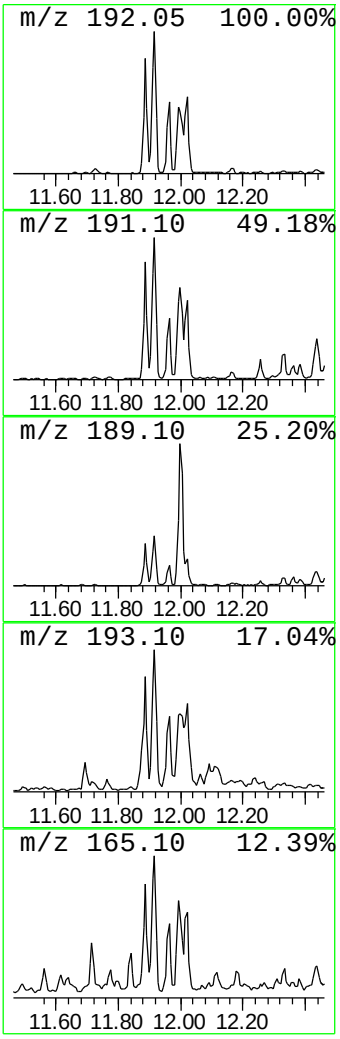
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.77 ng	342659	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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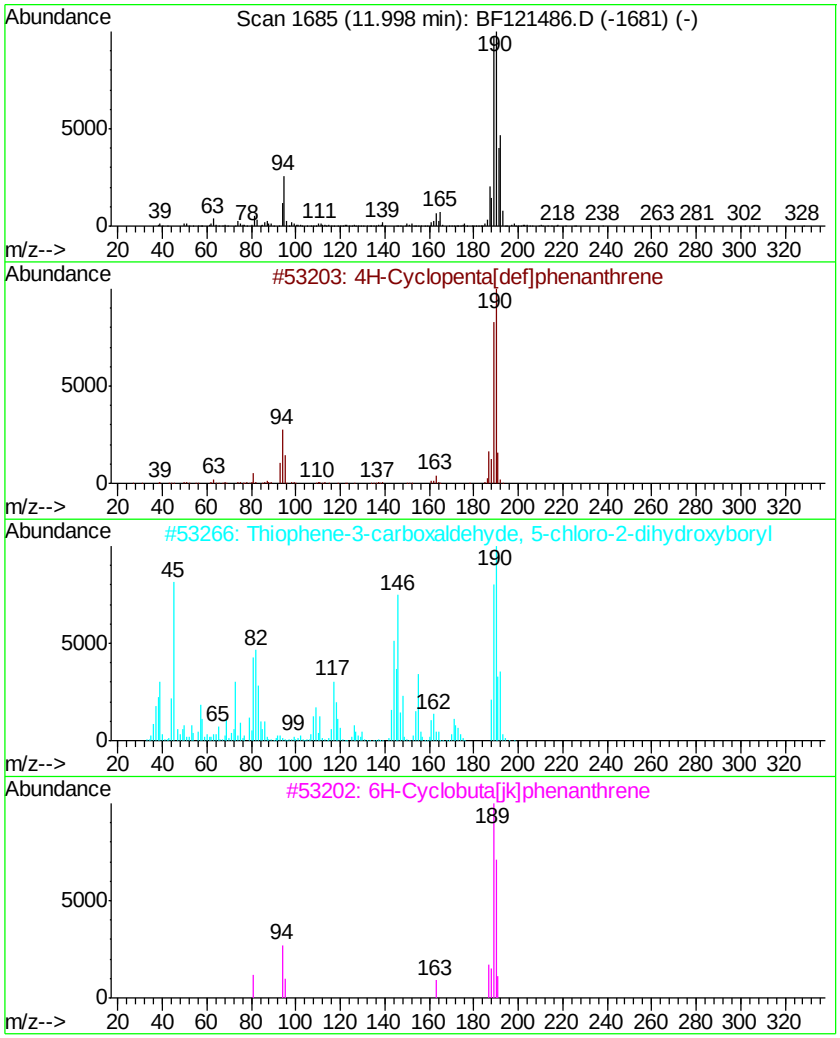
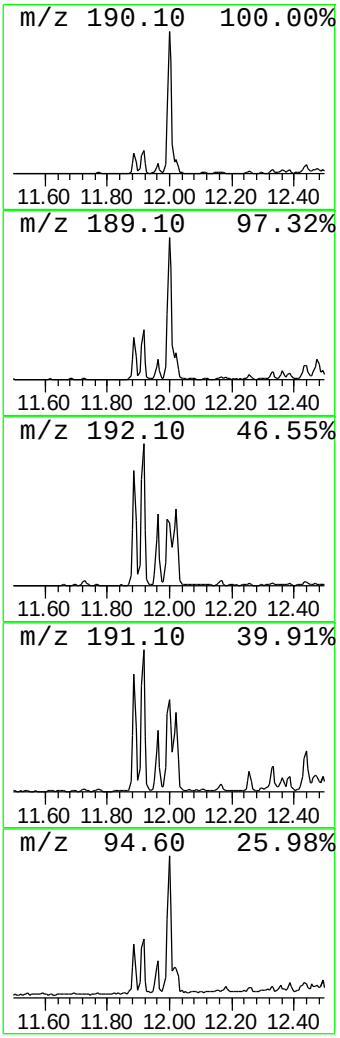
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.64 ng	1068200	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





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Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-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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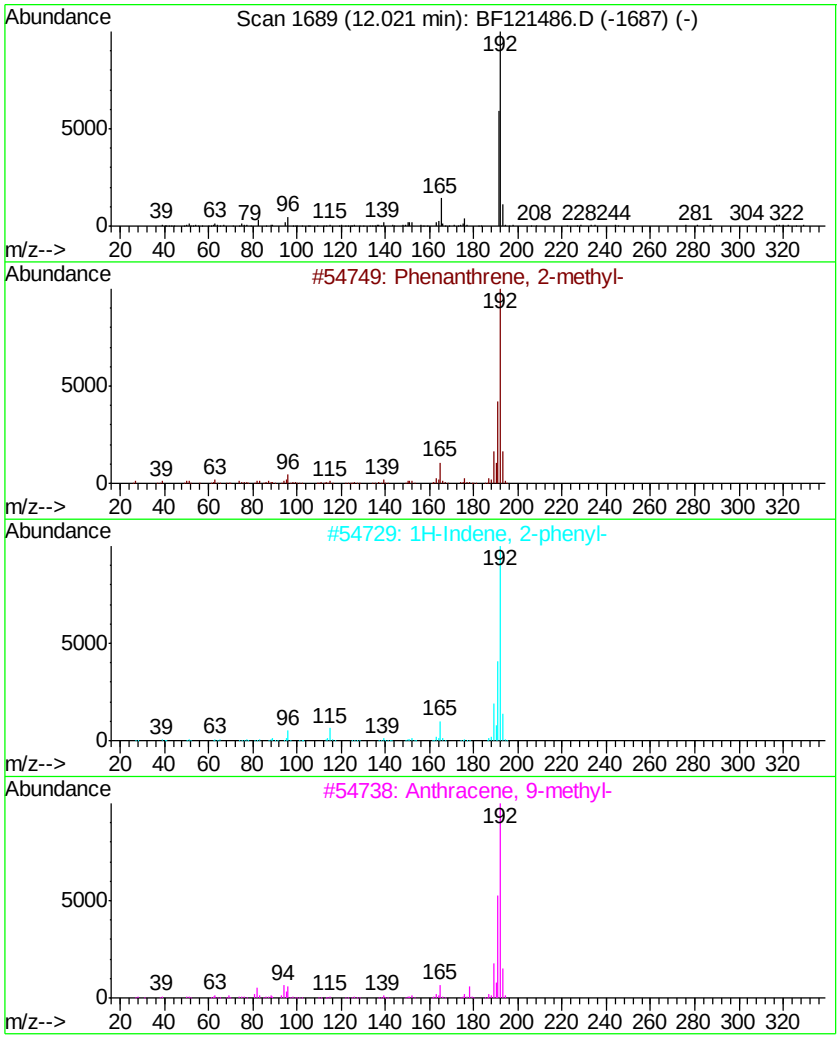
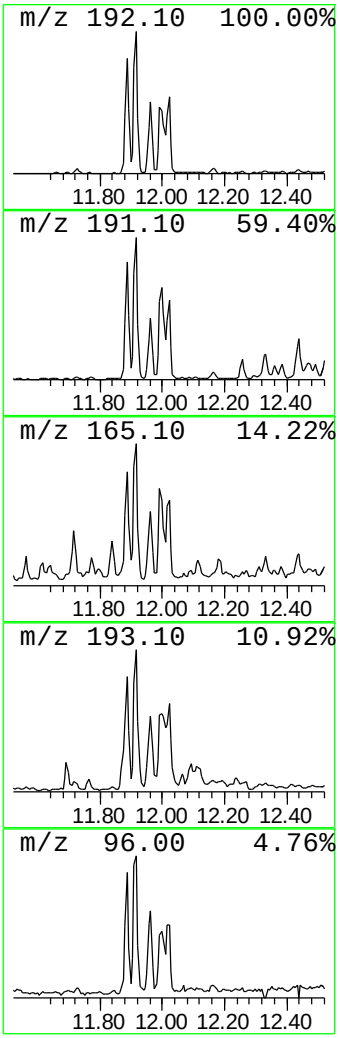
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.72 ng	336030	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80





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Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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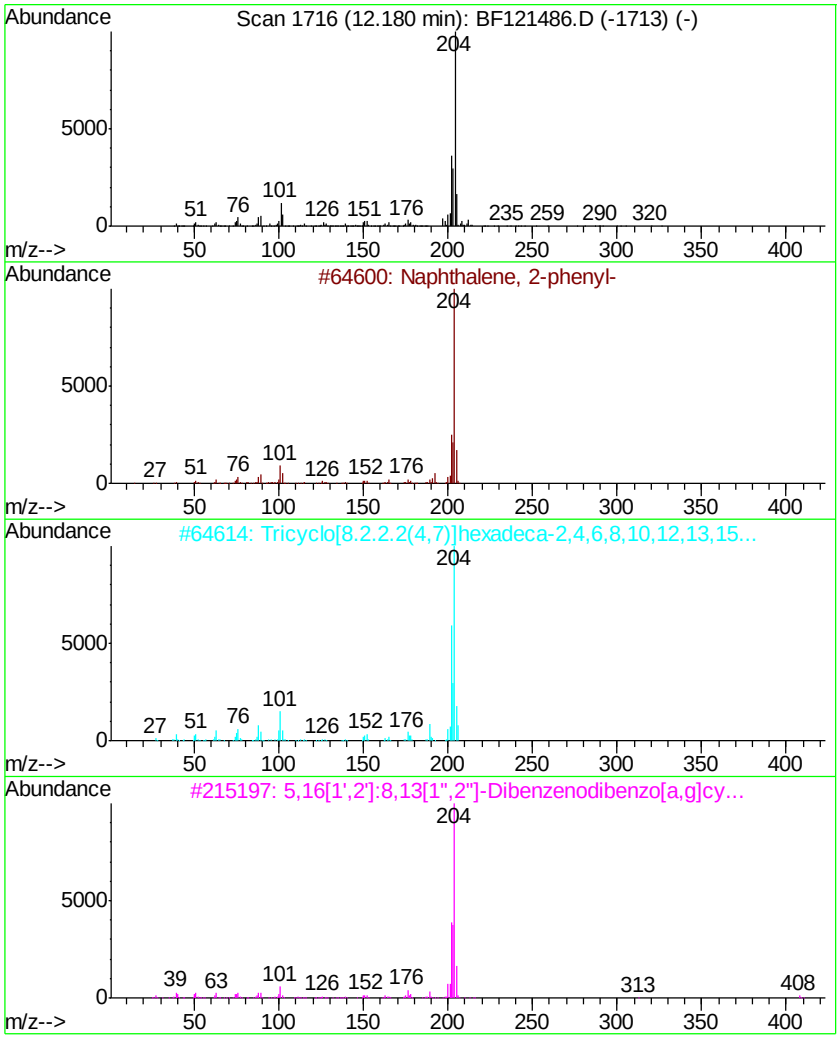
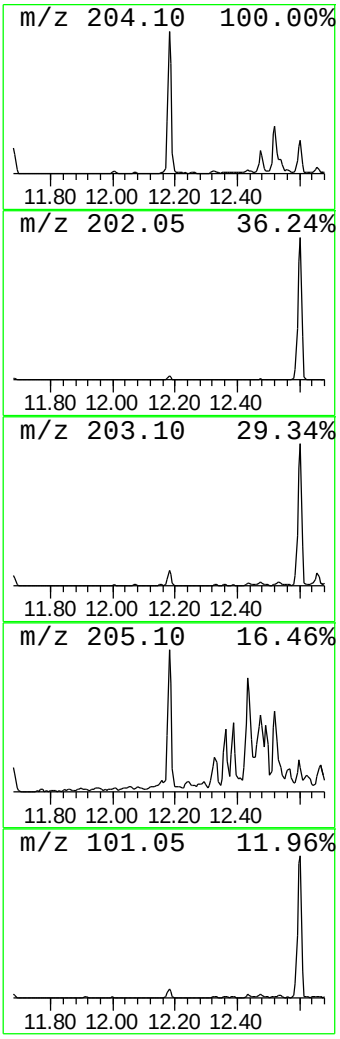
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	3.11 ng	385143	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
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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Acq On : 31 Aug 2020 19:32
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Sample : L3847-15
Misc :
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ClientSampleId : LINDEN-JOP-BH-10-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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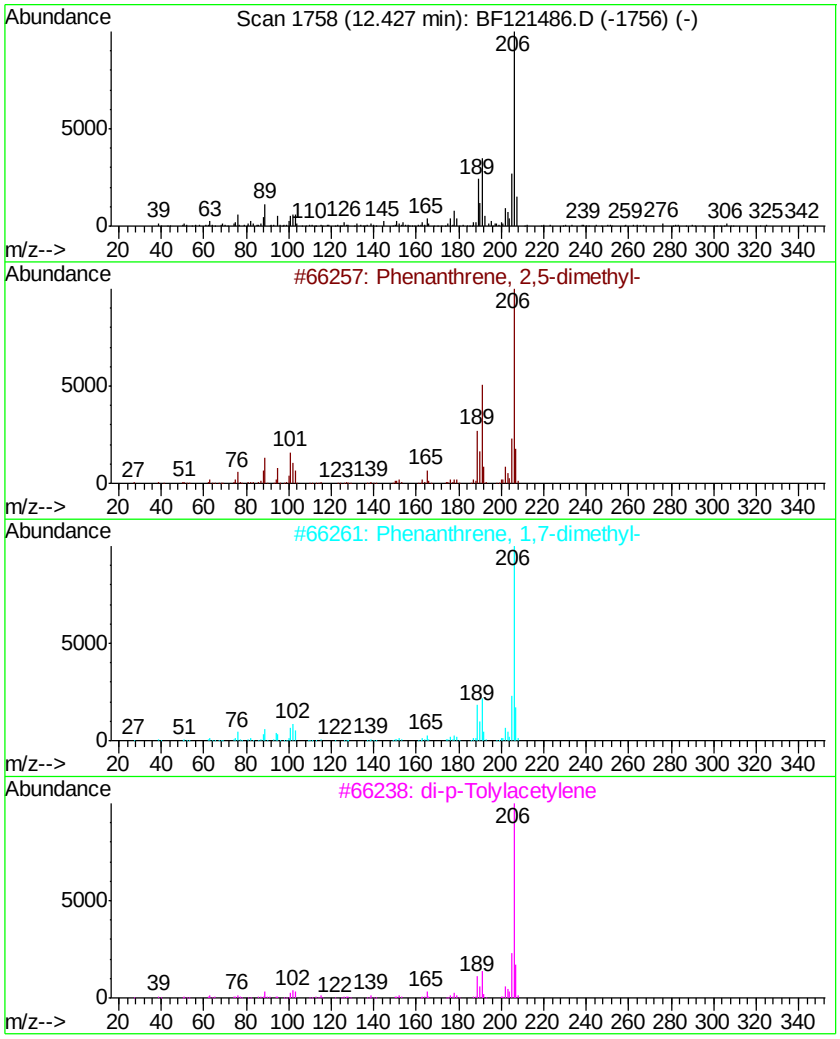
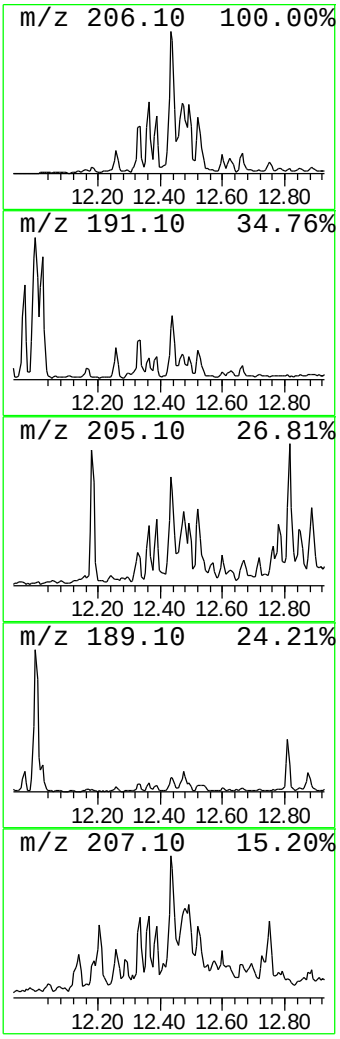
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.83 ng	349563	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, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-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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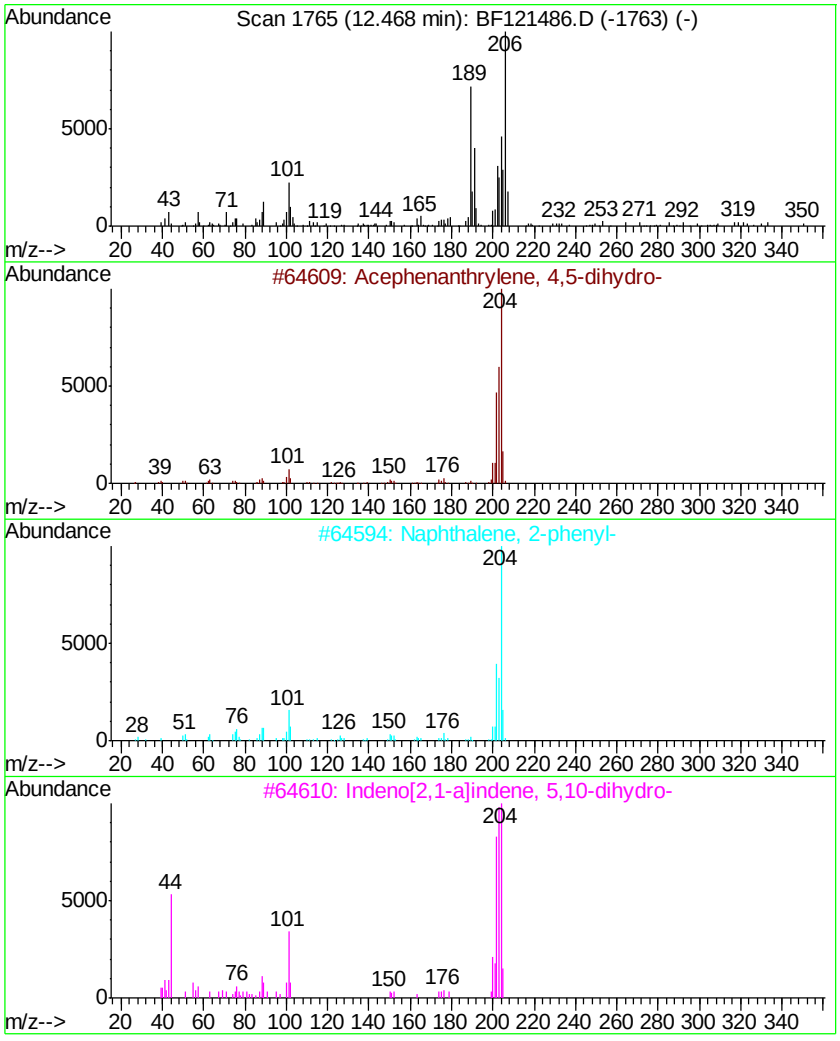
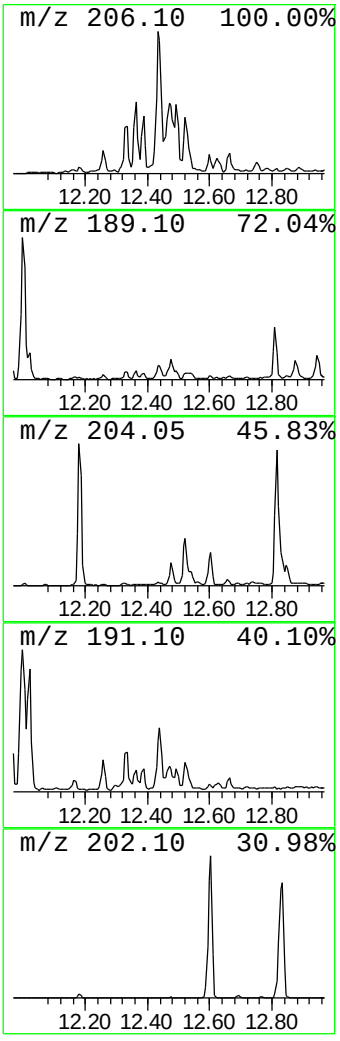
Peak Number 11 unknown12.47 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.47 ng	305312	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	35
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	25





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Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-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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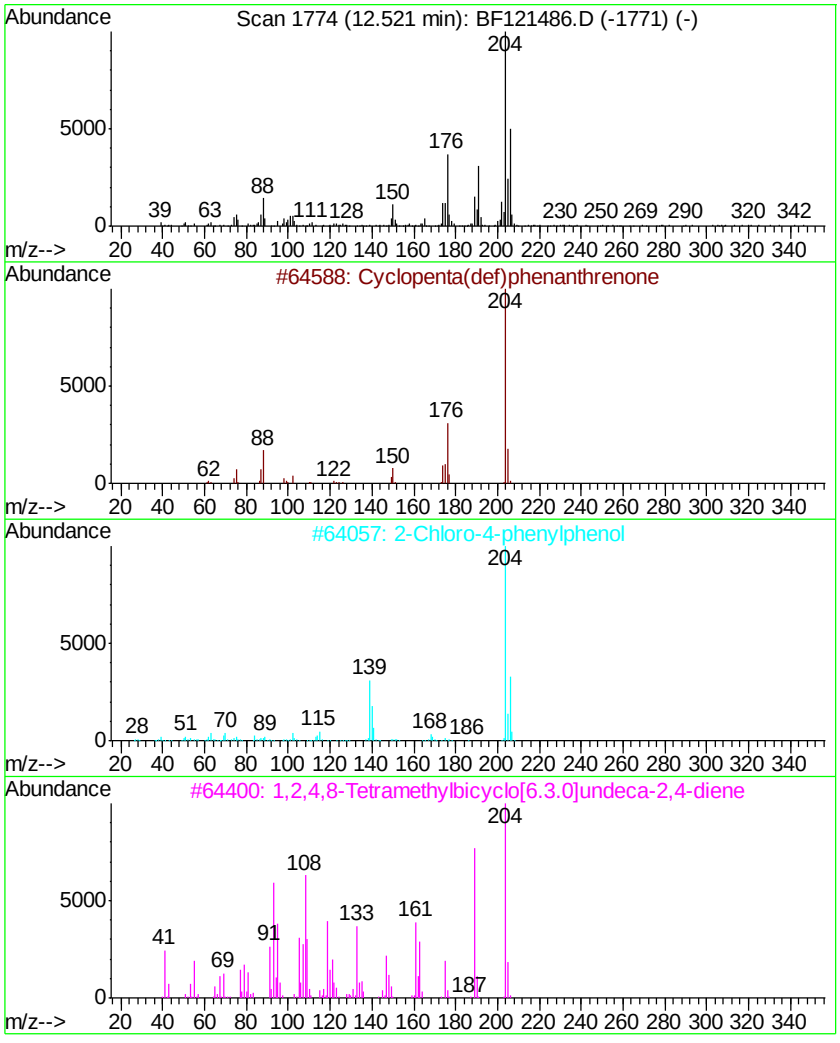
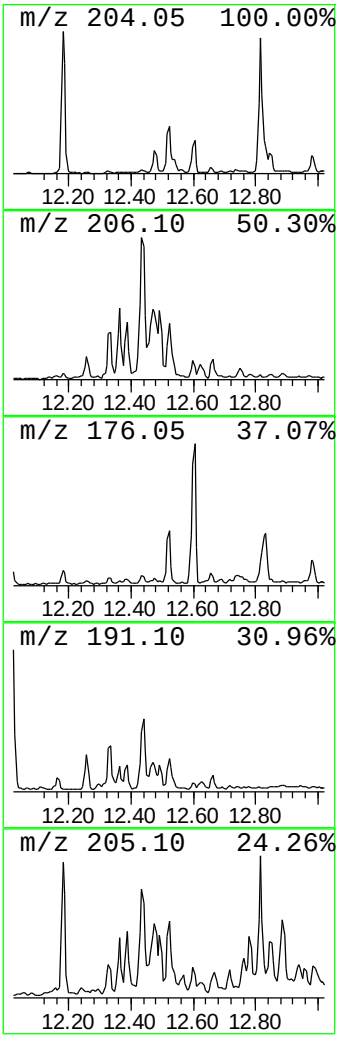
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.33 ng	288097	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





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Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-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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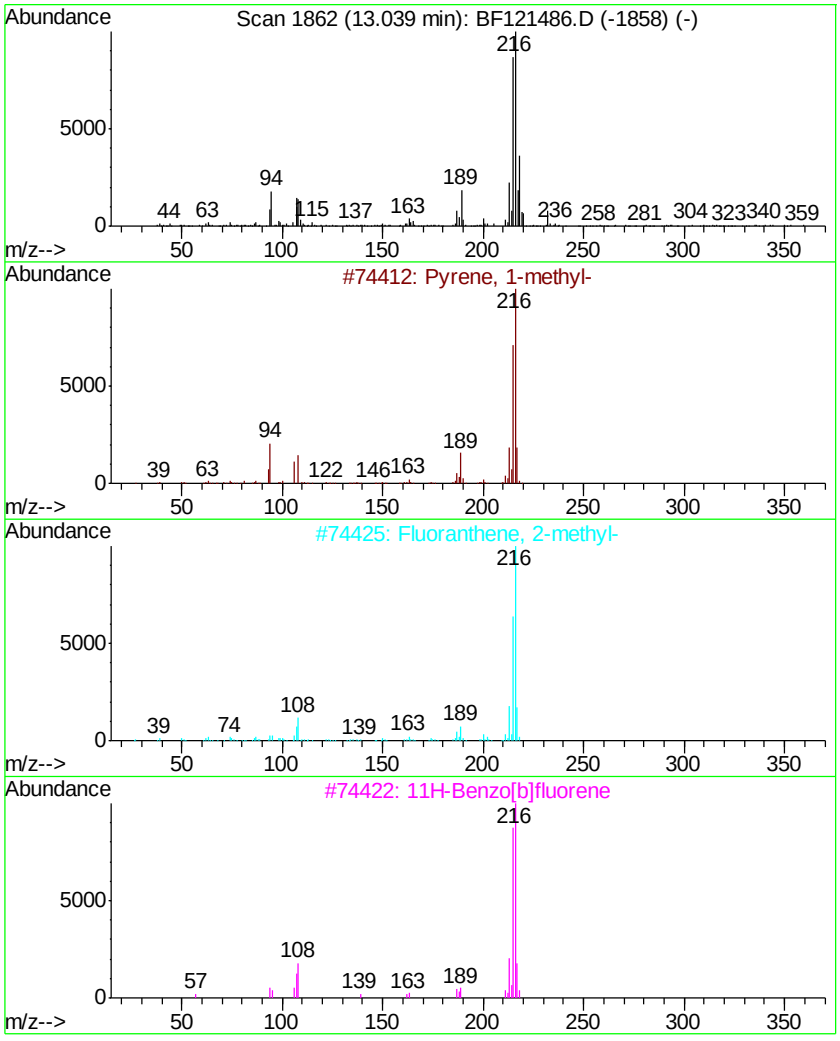
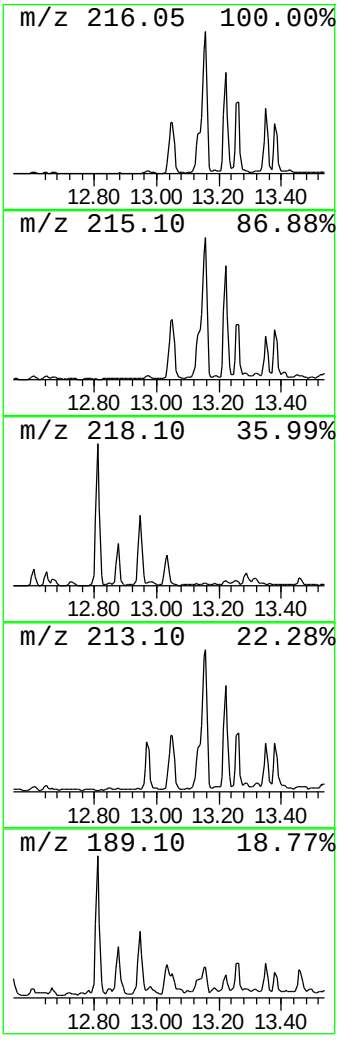
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.31 ng	558462	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	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-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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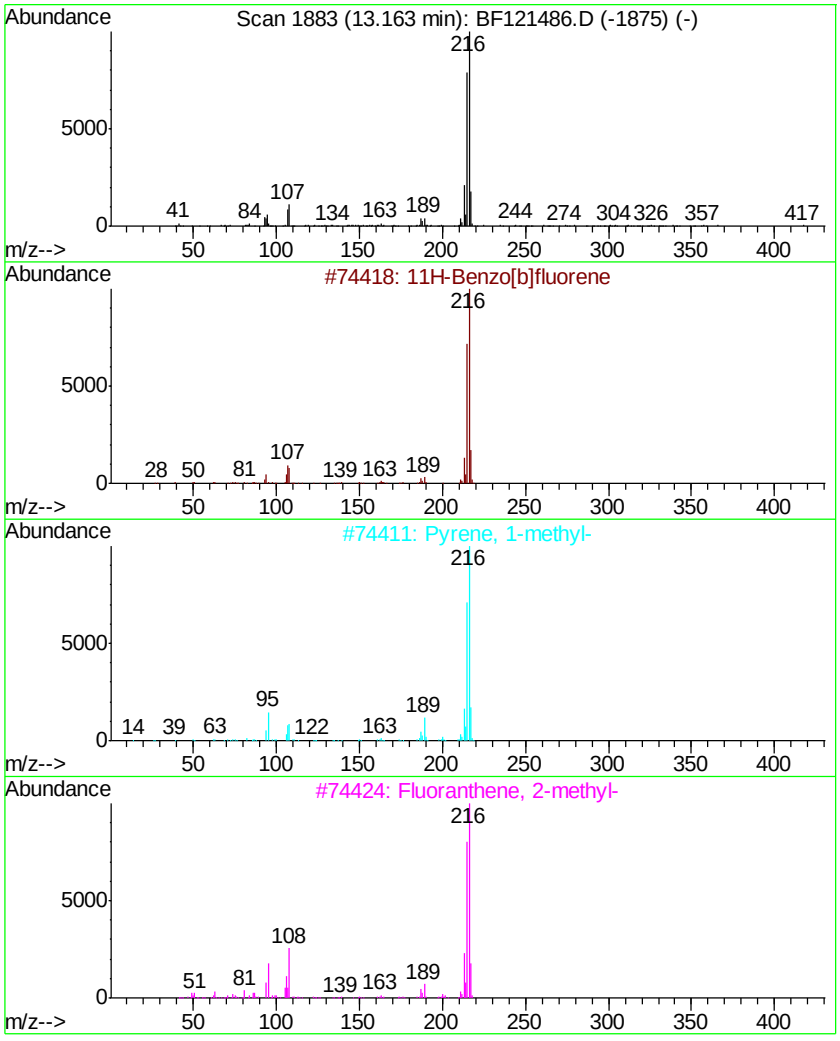
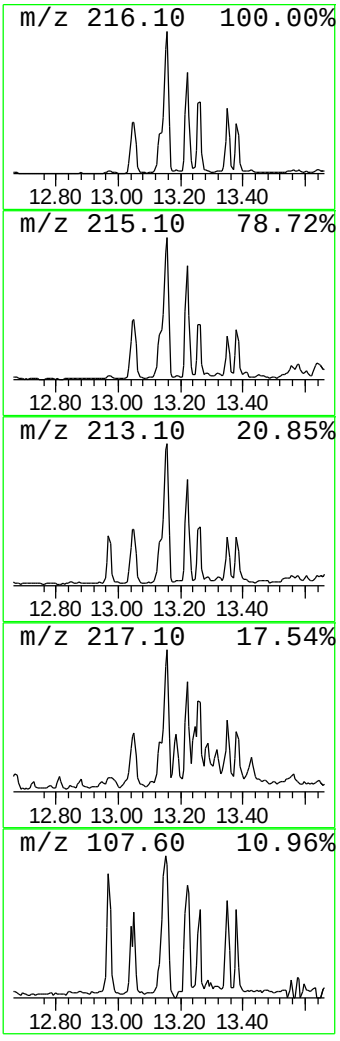
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.16 ng	1002850	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-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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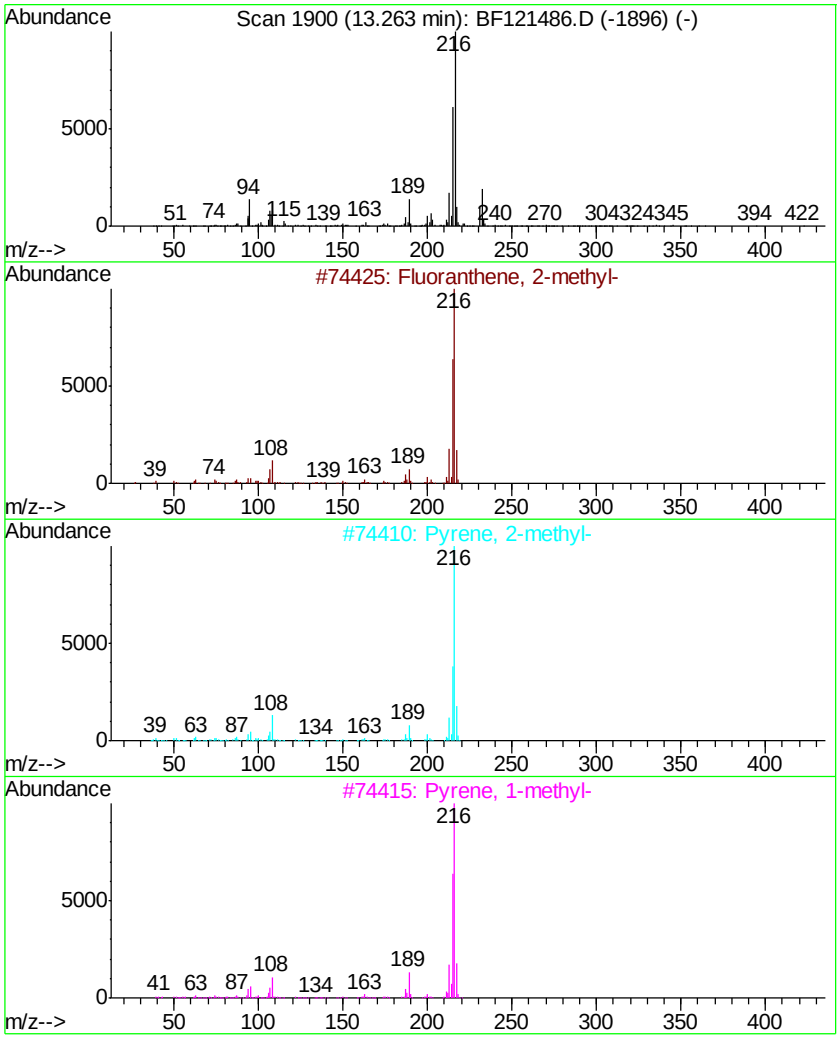
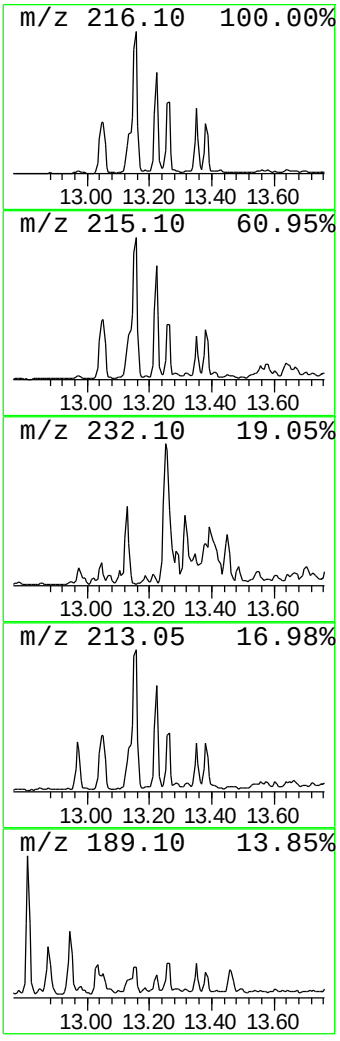
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.03 ng	490474	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	49





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ClientSampleId : LINDEN-JOP-BH-10-B

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

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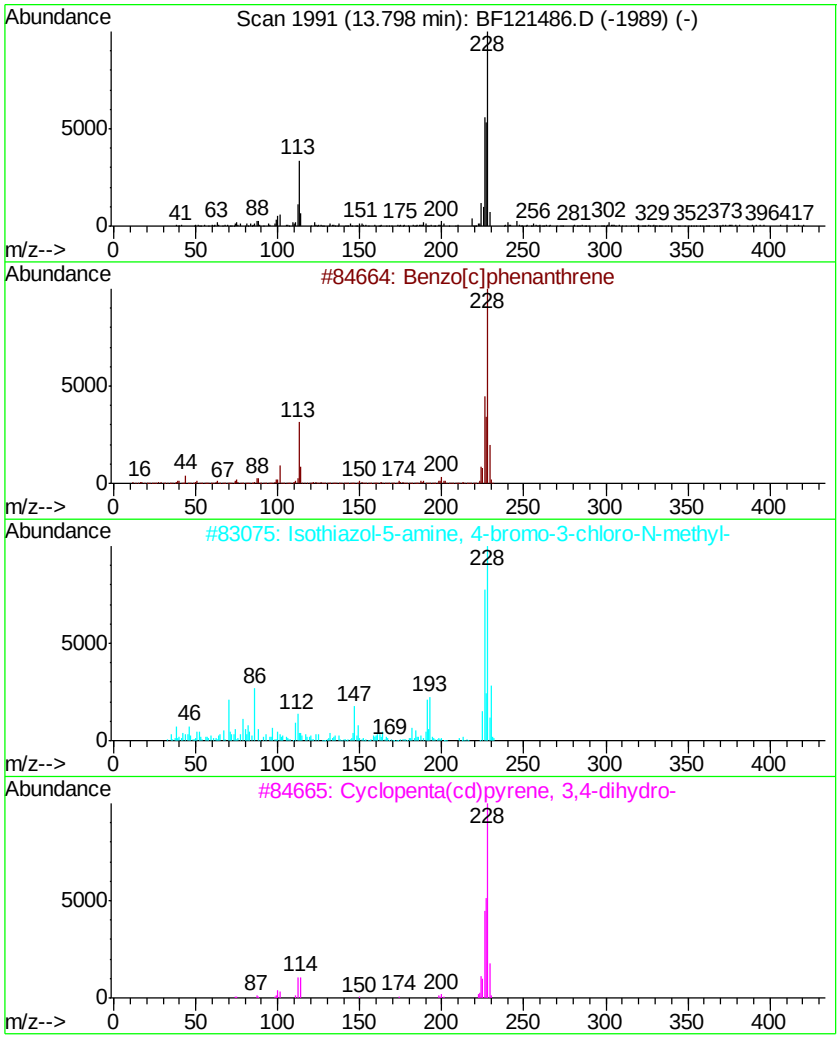
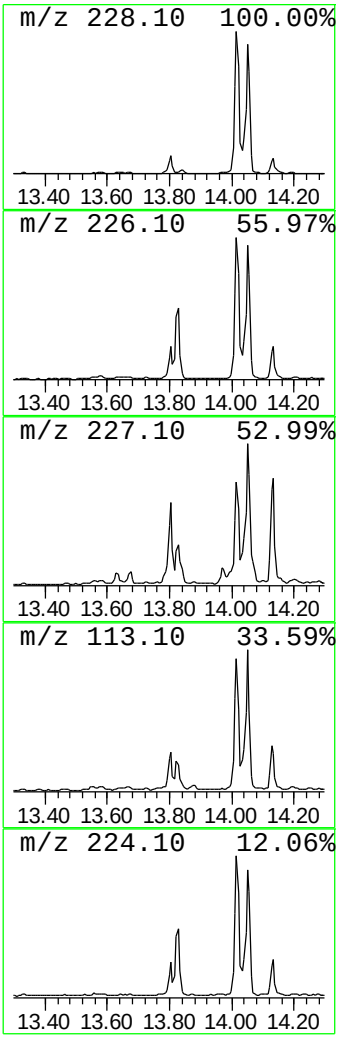
Peak Number 16 Benzo[c]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	2.06 ng	498115	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
4	Triphenylene	228	C18H12	000217-59-4	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	41





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121486.D
Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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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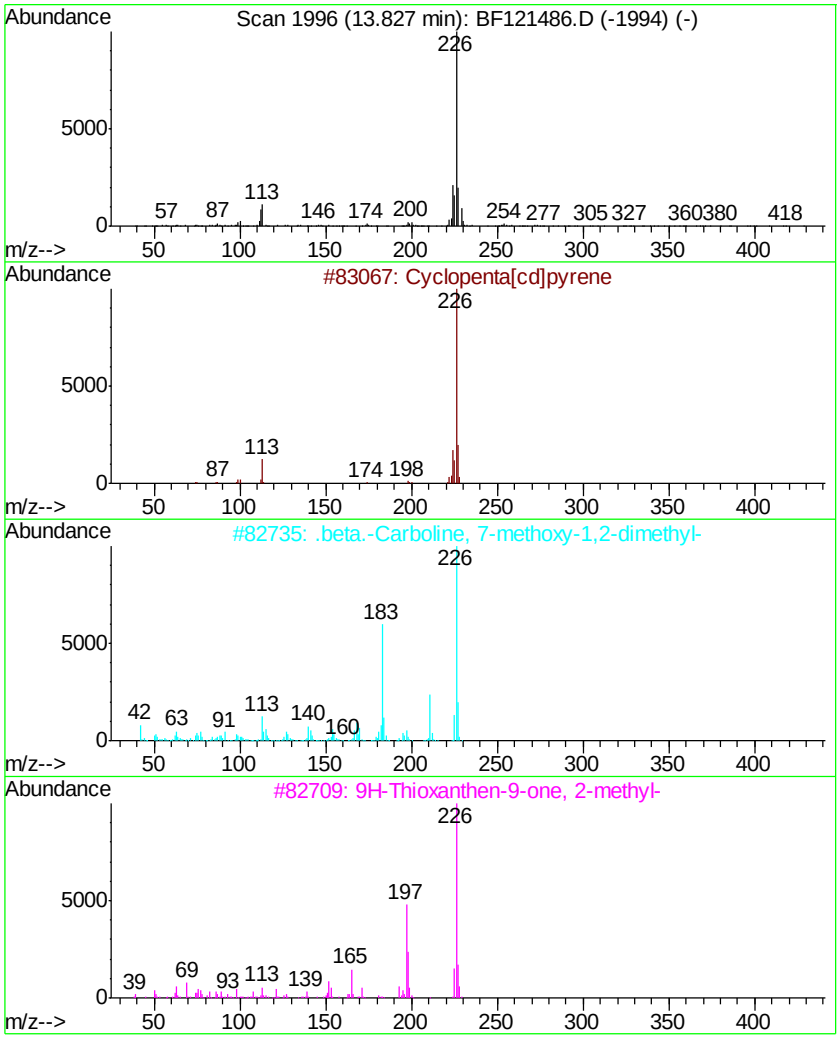
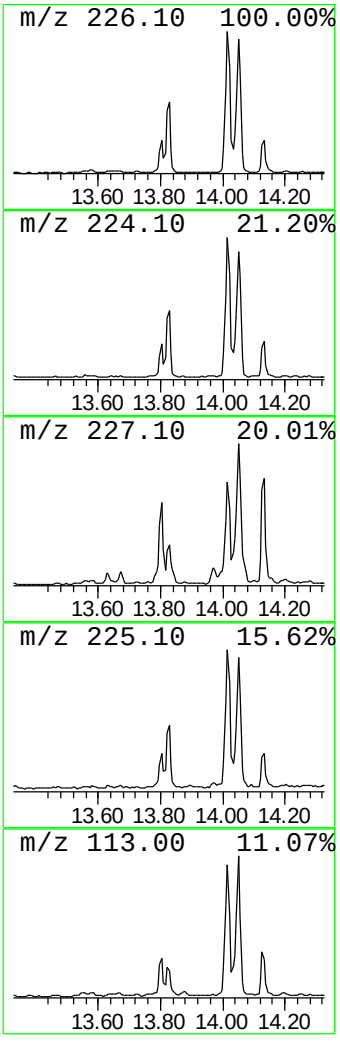
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.20 ng	531560	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	93
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	53
4	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	42
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38





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Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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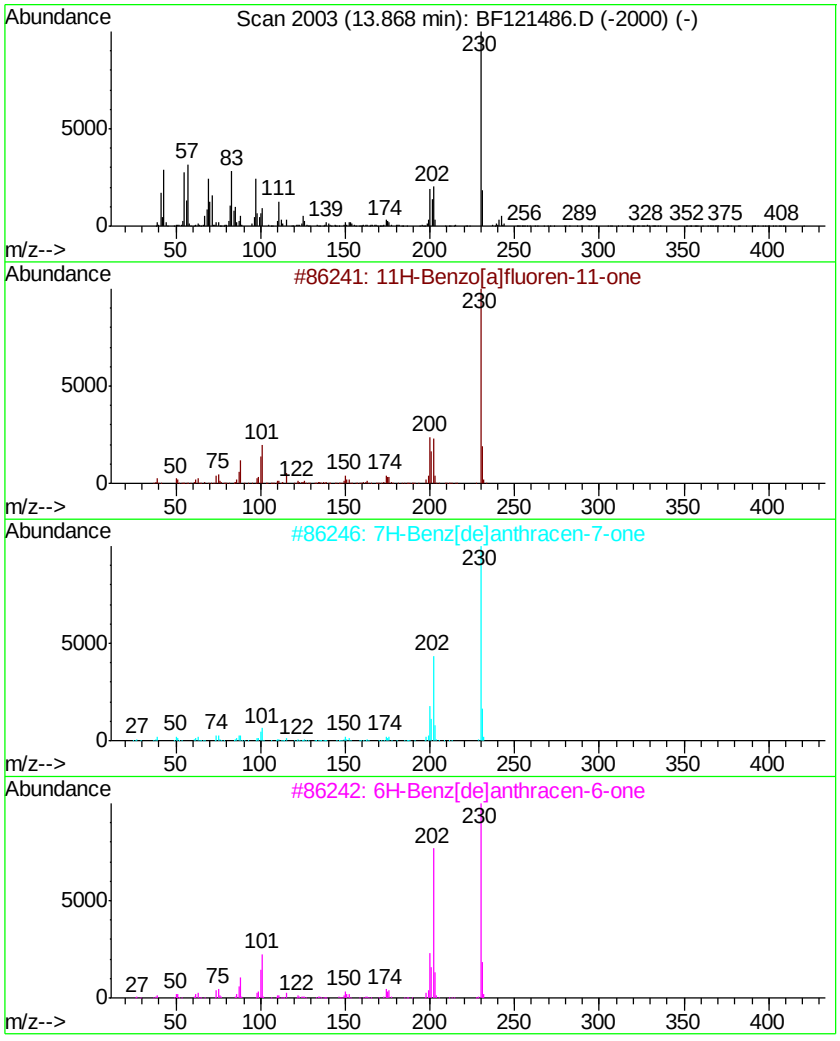
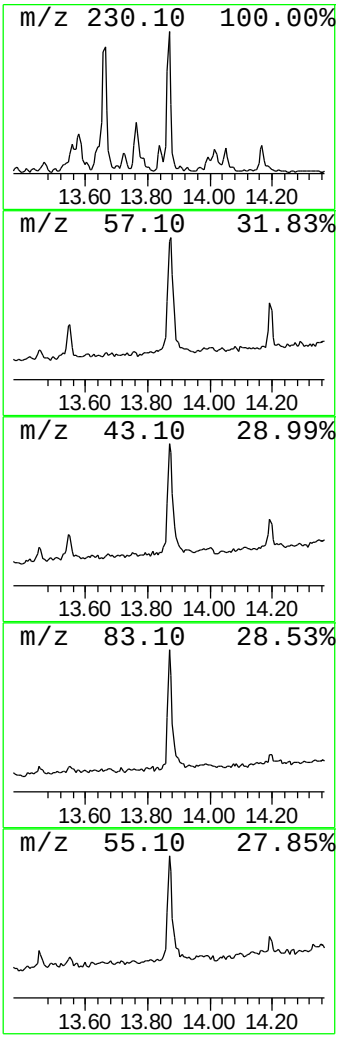
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.64 ng	879208	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	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
4	m-Terphenyl	230	C18H14	000092-06-8	38
5	o-Terphenyl	230	C18H14	000084-15-1	38





Library Search Compound Report

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Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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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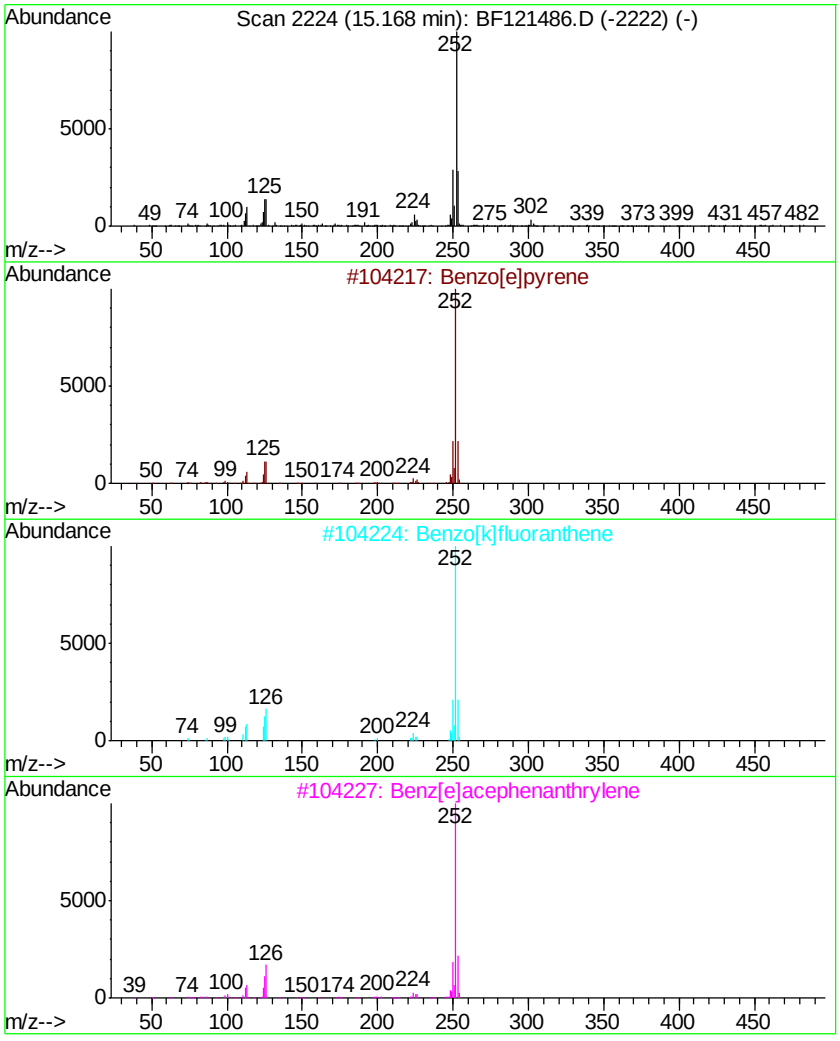
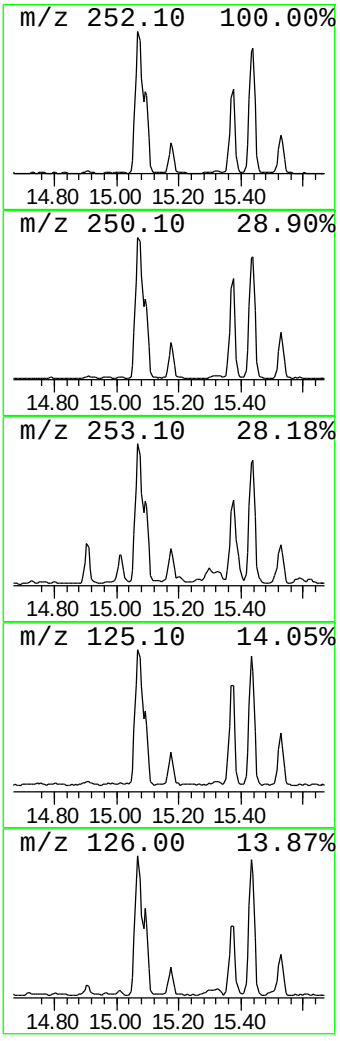
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.75 ng	547209	Perylene-d12	15.50

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	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





Library Search Compound Report

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Data File : BF121486.D
Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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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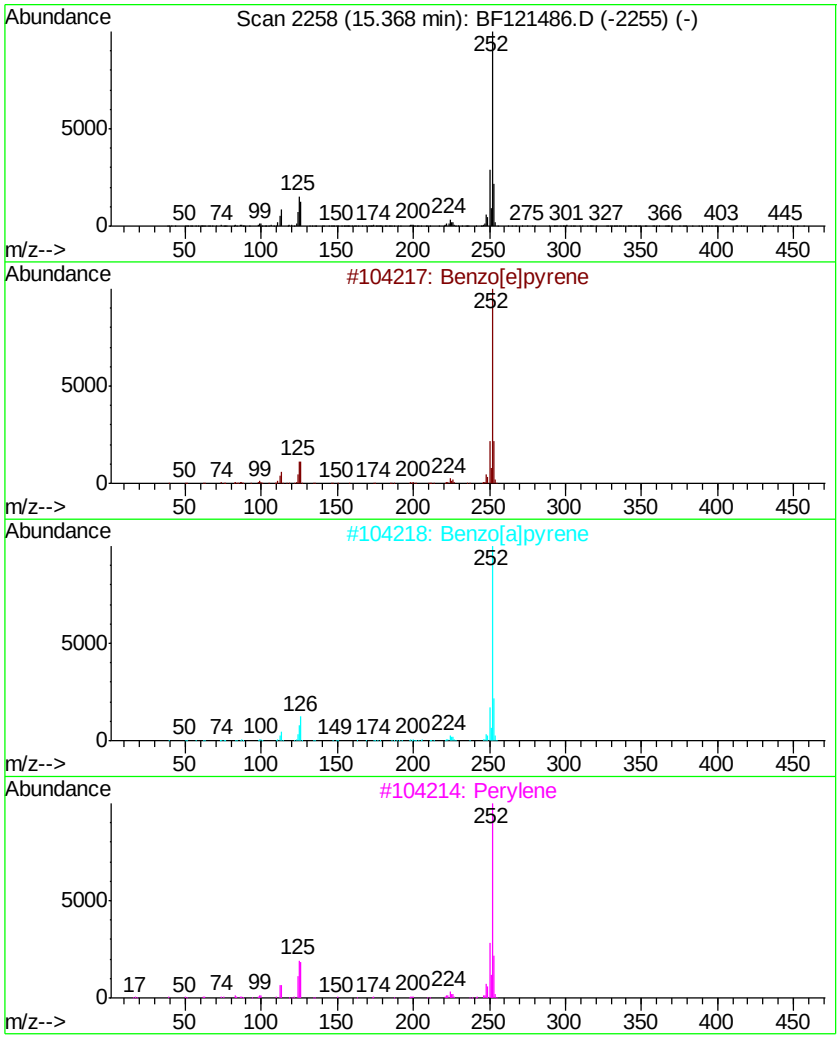
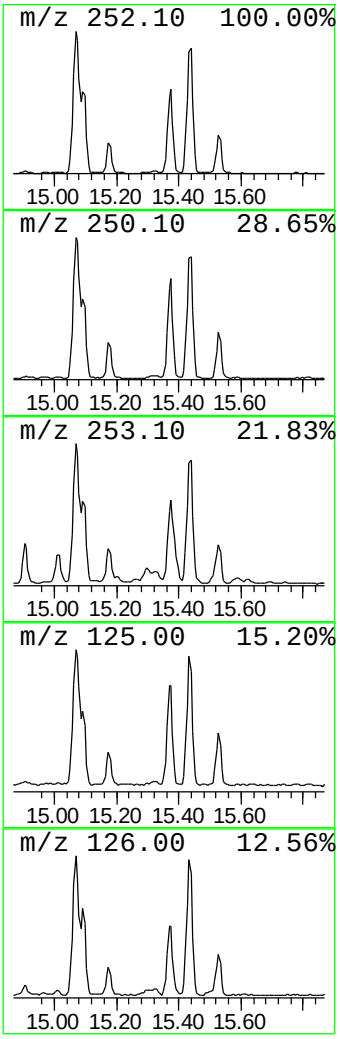
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	15.76 ng	1498940	Perylene-d12	15.50

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	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083120\
Data File : BF121486.D
Acq On : 31 Aug 2020 19:32
Operator : JU/CG
Sample : L3847-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-B

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...	2.15	15.5	ng	1431190	1	6.86	1842650	20.0
9H-Fluorene, 1-me...	10.99	2.0	ng	253652	4	11.39	2473380	20.0
Dibenzothiophene	11.28	2.8	ng	347729	4	11.39	2473380	20.0
5H-Dibenzo[a,d]cy...	11.89	4.9	ng	603531	4	11.39	2473380	20.0
Phenanthrene, 1-m...	11.92	8.4	ng	1036930	4	11.39	2473380	20.0
1H-Cyclopropa[l]p...	11.96	2.8	ng	342659	4	11.39	2473380	20.0
4H-Cyclopenta[def...	12.00	8.6	ng	1068200	4	11.39	2473380	20.0
Phenanthrene, 2-m...	12.02	2.7	ng	336030	4	11.39	2473380	20.0
Naphthalene, 2-ph...	12.18	3.1	ng	385143	4	11.39	2473380	20.0
Phenanthrene, 2,5...	12.43	2.8	ng	349563	4	11.39	2473380	20.0
unknown12.47	12.47	2.5	ng	305312	4	11.39	2473380	20.0
Cyclopenta(def)ph...	12.52	2.3	ng	288097	4	11.39	2473380	20.0
Pyrene, 1-methyl-	13.04	2.3	ng	558462	5	14.03	4825890	20.0
11H-Benzo[b]fluorene	13.16	4.2	ng	1002850	5	14.03	4825890	20.0
Fluoranthene, 2-m...	13.26	2.0	ng	490474	5	14.03	4825890	20.0
Benzo[c]phenanthrene	13.80	2.1	ng	498115	5	14.03	4825890	20.0
Cyclopenta[cd]pyrene	13.83	2.2	ng	531560	5	14.03	4825890	20.0
11H-Benzo[a]fluor...	13.87	3.6	ng	879208	5	14.03	4825890	20.0
Benzo[e]pyrene	15.17	5.8	ng	547209	6	15.50	1901690	20.0
Perylene	15.37	15.8	ng	1498940	6	15.50	1901690	20.0