LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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	2.128	3	7	21	rVB	1718377	2214287	16.92%	1.237%
2	5.469	570	575	578	rBV	4240811	4082695	31.19%	2.281%
3	6.475	741	746	753	rBV	4044612	4279097	32.69%	2.391%
4	6.681	777	781	788	rBV	325129	339983	2.60%	0.190%
5	6.851	807	810	814	rBV	1975062	1542534	11.78%	0.862%
6	7.416	901	906	909	rBV	3031586	2906416	22.20%	1.624%
7	8.139	1024	1029	1031	rBV	2174683	2081704	15.90%	1.163%
8	8.157	1031	1032	1036	rVB	452130	275397	2.10%	0.154%
9	9.216	1207	1212	1215	rBV	6308118	5399039	41.25%	3.016%
10	9.610	1276	1279	1283	rVV	995523	907692	6.93%	0.507%
11	9.757	1299	1304	1307	rBV	1076944	951215	7.27%	0.531%
12	9.892	1321	1327	1331	rBV	2649044	2428963	18.56%	1.357%
13	10.439	1417	1420	1426	rVB2	401657	455372	3.48%	0.254%
14	10.680	1456	1461	1465	rBV	3763547	3729857	28.49%	2.084%
15	10.810	1479	1483	1489	rVB2	400738	519644	3.97%	0.290%
16	10.992	1504	1514	1517	rBV3	349371	561203	4.29%	0.314%
17	11.122	1531	1536	1538	rVV3	462971	604648	4.62%	0.338%
18	11.139	1538	1539	1541	rVV	445285	343943	2.63%	0.192%
19	11.186	1545	1547	1551	rVV2	290692	303185	2.32%	0.169%
20	11.228	1551	1554	1558	rVV	499323	667477	5.10%	0.373%
21	11.280	1560	1563	1568	rVB2	337548	404105	3.09%	0.226%
22	11.386	1577	1581	1582	rBV	2515689	2510661	19.18%	1.403%
23	11.410	1582	1585	1588	rVV	4630169	3815189	29.15%	2.132%
24	11.457	1588	1593	1596	rVV	1817014	1522545	11.63%	0.851%
25	11.486	1596	1598	1602	rVV2	423194	412249	3.15%	0.230%
26	11.633	1621	1623	1629	rBV	286284	327871	2.50%	0.183%
27	11.680	1629	1631	1634	rVB	470562	325861	2.49%	0.182%
28	11.886	1660	1666	1668	rBV	1299917	1257496	9.61%	0.703%
29	11.916	1668	1671	1675	rVB	2467790	2105713	16.09%	1.176%
30	11.963	1675	1679	1681	rBV	1106726	1047730	8.00%	0.585%
31	11.998	1681	1685	1687	rVV	2366664	2505408	19.14%	1.400%
32	12.022	1687	1689	1693	rVB	1089339	880869	6.73%	0.492%
33	12.180	1713	1716	1718	rBV	1126142	858385	6.56%	0.480%
34	12.204	1718	1720	1723	rVB2	392546	349295	2.67%	0.195%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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	12.333	1736	1742	1744	rBV	414756	528197	4.04%	0.295%
36	12.363	1744	1747	1749	rBV	485157	374151	2.86%	0.209%
37	12.386	1749	1751	1754	rVB	539519	412474	3.15%	0.230%
38	12.433	1754	1759	1763	rBV	1312823	1790284	13.68%	1.000%
39	12.474	1763	1766	1768	rVV	894435	981124	7.50%	0.548%
40	12.527	1772	1775	1780	rVB2	1240515	1523674	11.64%	0.851%
41	12.610	1783	1789	1792	rBV	9276704	10960560	83.73%	6.124%
42	12.692	1801	1803	1807	rBV	1112860	1091457	8.34%	0.610%
43	12.751	1810	1813	1817	rVB3	603954	594576	4.54%	0.332%
44	12.839	1821	1828	1832	rBV2	8746857	13089781	100.00%	7.313%
45	12.880	1832	1835	1840	rVB2	959824	1269028	9.69%	0.709%
46	12.945	1843	1846	1848	rBV	1180058	1154179	8.82%	0.645%
47	12.974	1848	1851	1857	rVB2	6080152	6362078	48.60%	3.555%
48	13.051	1858	1864	1867	rBV3	1483311	2508251	19.16%	1.401%
49	13.133	1875	1878	1880	rBV2	1238106	1492283	11.40%	0.834%
50	13.157	1880	1882	1885	rVB	2497155	2354332	17.99%	1.315%
51	13.204	1885	1890	1891	rBV3	301890	483519	3.69%	0.270%
52	13.227	1891	1894	1896	rVB	1532679	1338068	10.22%	0.748%
53	13.263	1896	1900	1903	rBV2	2265425	2513184	19.20%	1.404%
54	13.292	1903	1905	1907	rVB	391021	299639	2.29%	0.167%
55	13.322	1907	1910	1913	rBV3	484611	633168	4.84%	0.354%
56	13.357	1913	1916	1918	rVB	1097199	955499	7.30%	0.534%
57	13.386	1918	1921	1924	rBV2	1103184	1148902	8.78%	0.642%
58	13.463	1930	1934	1939	rVB4	309398	521015	3.98%	0.291%
59	13.639	1961	1964	1966	rBV2	393101	477669	3.65%	0.267%
60	13.669	1966	1969	1973	rVB	1080484	1244358	9.51%	0.695%
61	13.774	1983	1987	1990	rBV3	1010664	1319108	10.08%	0.737%
62	13.804	1990	1992	1994	rVV	1315625	1114901	8.52%	0.623%
63	13.827	1994	1996	2002	rVV3	904825	1235926	9.44%	0.691%
64	13.874	2002	2004	2011	rVB2	1632092	1925479	14.71%	1.076%
65	13.945	2011	2016	2023	rBV2	332813	679356	5.19%	0.380%
66	14.027	2023	2030	2033	rBV2	6899045	10226231	78.12%	5.713%
67	14.063	2033	2036	2041	rVB	5844332	6013968	45.94%	3.360%
68	14.139	2046	2049	2052	rBV	739595	562218	4.30%	0.314%
69	14.174	2052	2055	2057	rBV2	344021	344873	2.63%	0.193%
70	14.245	2064	2067	2072	rBV4	503389	855206	6.53%	0.478%
71	14.286	2072	2074	2076	rVB2	344702	285956	2.18%	0.160%

LSC Area Percent Report

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Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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	14.351	2082	2085	2088	rBV3	289152	380211	2.90%	0.212%
73	14.380	2088	2090	2092	rVV	430618	434122	3.32%	0.243%
74	14.416	2092	2096	2099	rVV	1862047	2051021	15.67%	1.146%
75	14.451	2099	2102	2106	rVB	949370	901944	6.89%	0.504%
76	14.510	2106	2112	2115	rBV2	811760	1290287	9.86%	0.721%
77	14.539	2115	2117	2119	rVV	887392	760795	5.81%	0.425%
78	14.563	2119	2121	2124	rVB2	822814	689091	5.26%	0.385%
79	14.610	2127	2129	2135	rVB3	507022	627460	4.79%	0.351%
80	14.727	2145	2149	2151	rBV4	392820	529186	4.04%	0.296%
81	14.804	2159	2162	2166	rBV5	311568	448688	3.43%	0.251%
82	14.980	2189	2192	2195	rBV3	300036	340398	2.60%	0.190%
83	15.086	2203	2210	2212	rBV	4245197	7365294	56.27%	4.115%
84	15.110	2212	2214	2217	rVV	3023562	2667986	20.38%	1.491%
85	15.151	2219	2221	2223	rVV2	381630	371306	2.84%	0.207%
86	15.186	2223	2227	2230	rVB	1278077	1394415	10.65%	0.779%
87	15.268	2238	2241	2242	rBV2	314875	313398	2.39%	0.175%
88	15.386	2255	2261	2266	rVB	2674612	3808797	29.10%	2.128%
89	15.451	2266	2272	2277	rBV	4156205	5556685	42.45%	3.105%
90	15.510	2277	2282	2284	rBV	1532535	2025910	15.48%	1.132%
91	15.539	2284	2287	2293	rVB2	1415886	1966916	15.03%	1.099%
92	15.986	2359	2363	2367	rBV2	276533	382976	2.93%	0.214%
93	16.062	2373	2376	2380	rVB2	293462	360130	2.75%	0.201%
94	16.786	2496	2499	2502	rBV2	198011	319996	2.44%	0.179%
95	16.986	2525	2533	2539	rVB2	1907652	4010377	30.64%	2.241%
96	17.051	2542	2544	2554	rVB2	203484	399116	3.05%	0.223%
97	17.157	2556	2562	2566	rBV	489849	946350	7.23%	0.529%
98	17.215	2567	2572	2577	rBV2	429405	793208	6.06%	0.443%
99	17.427	2601	2608	2624	rVB	1283475	3050714	23.31%	1.704%
100	17.657	2641	2647	2661	rVB2	501113	1216326	9.29%	0.680%

Sum of corrected areas: 178985503

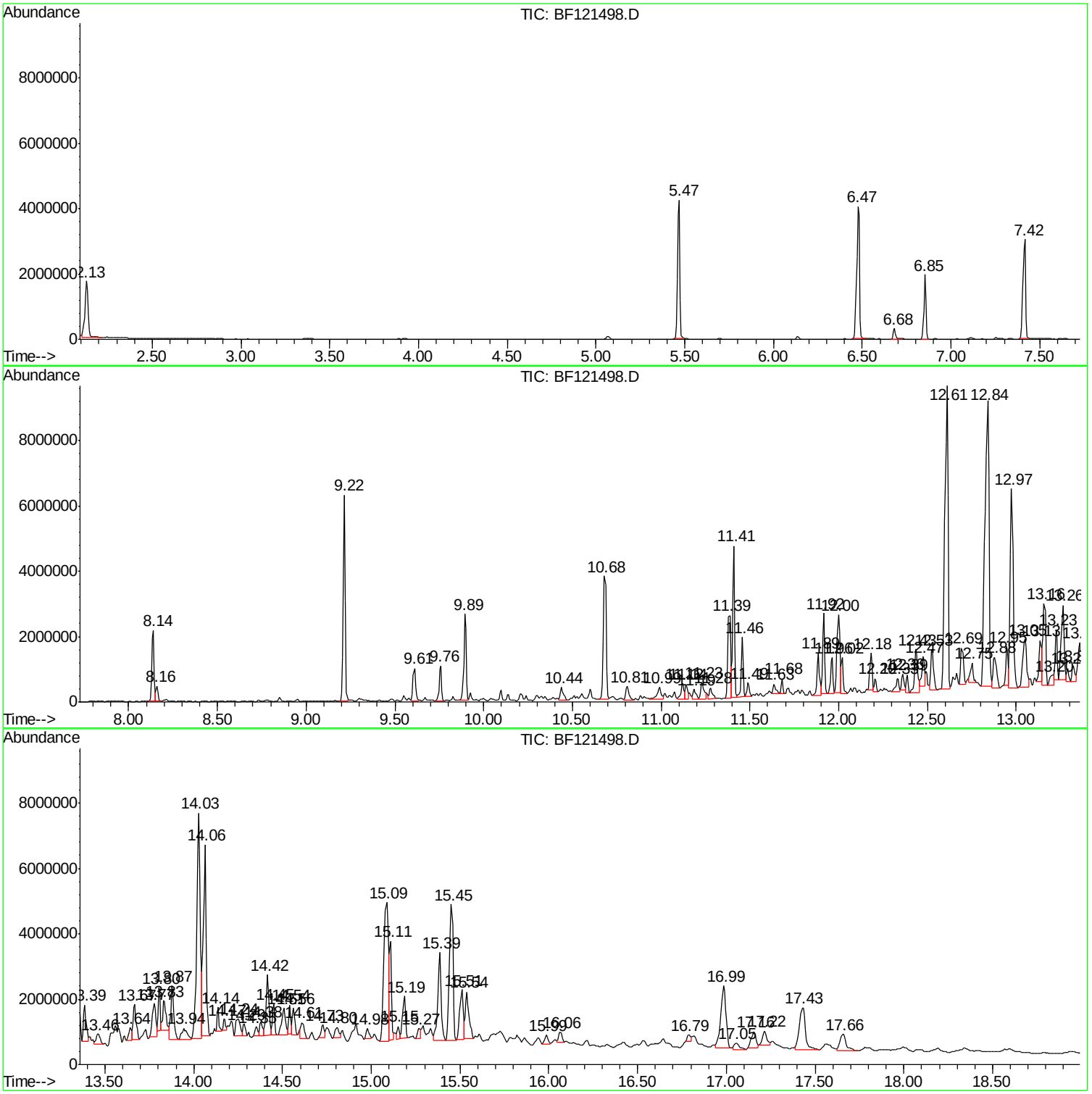
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-C

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

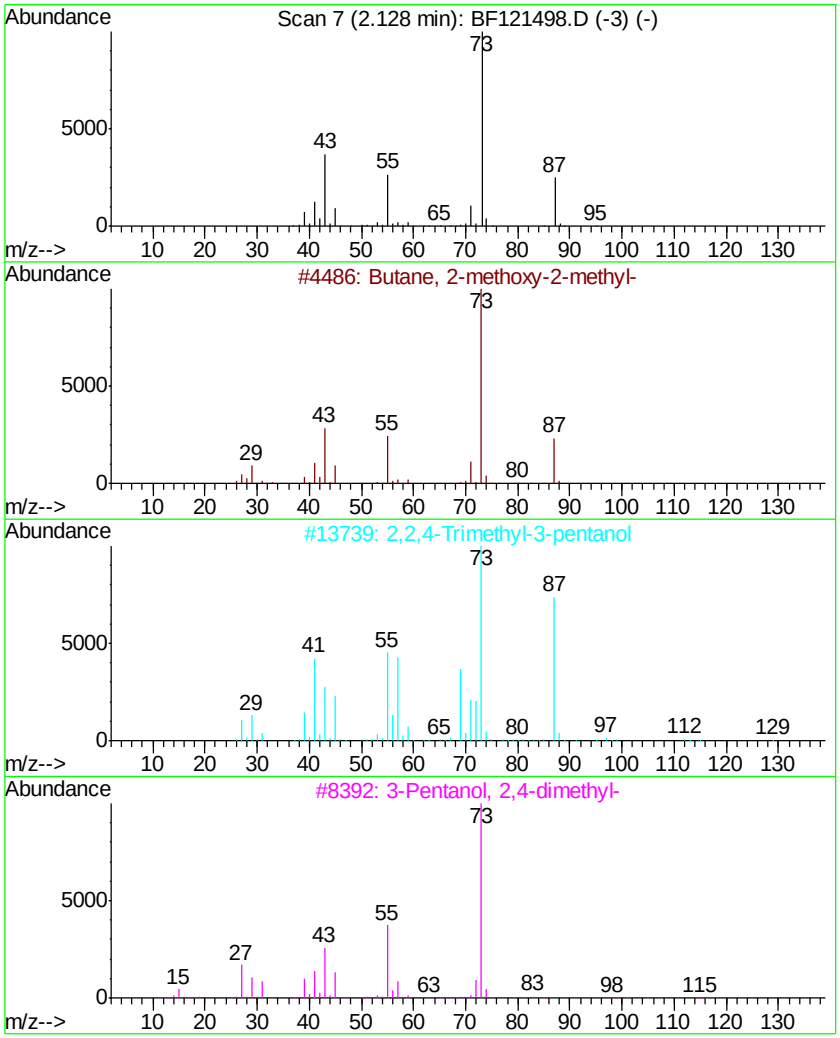
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

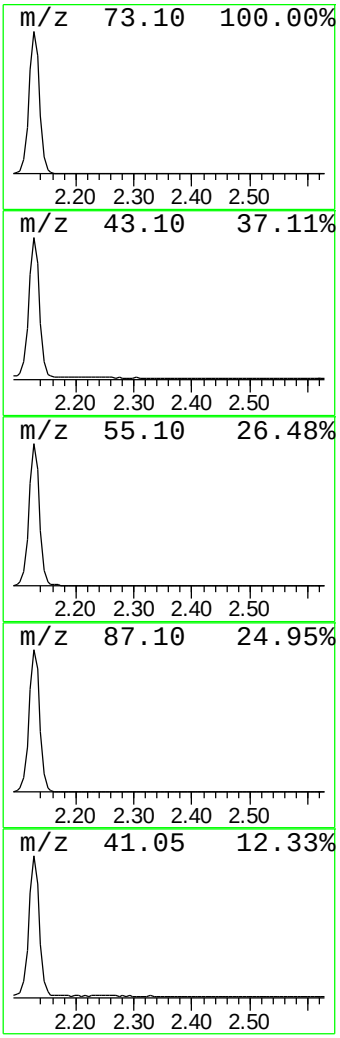
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	28.71 ng	2214290	1,4-Dichlorobenzene-d4	6.85

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	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	32
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-C

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

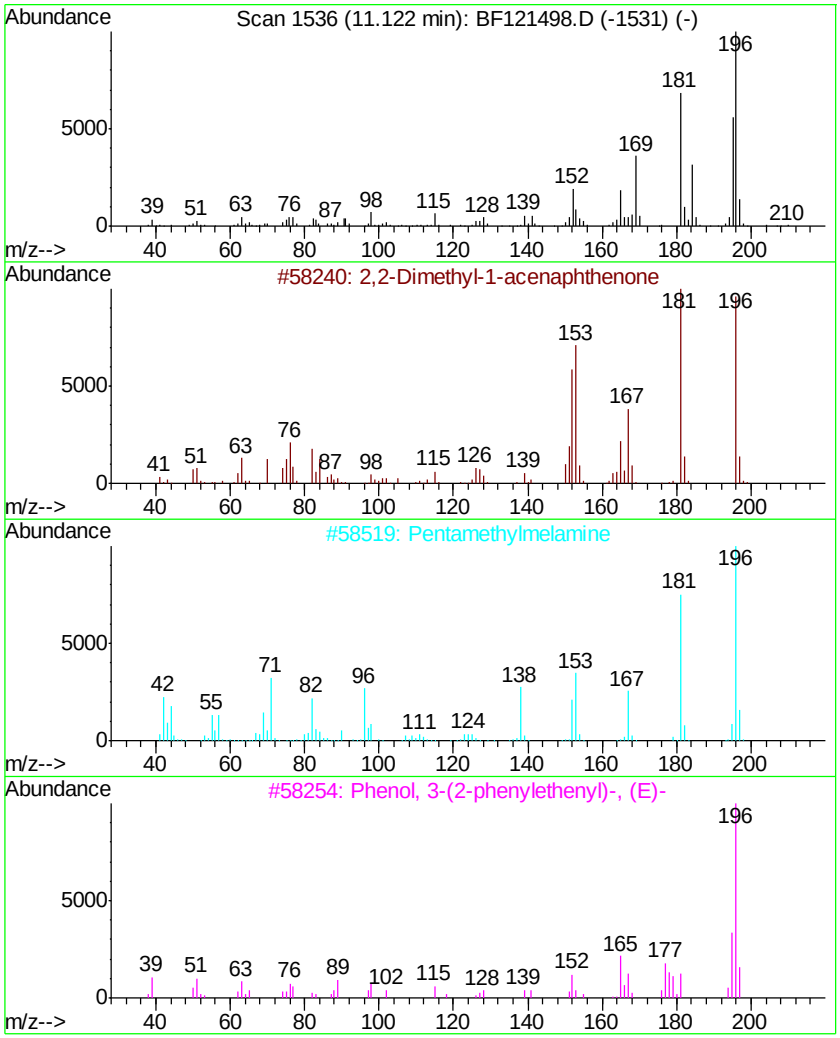
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

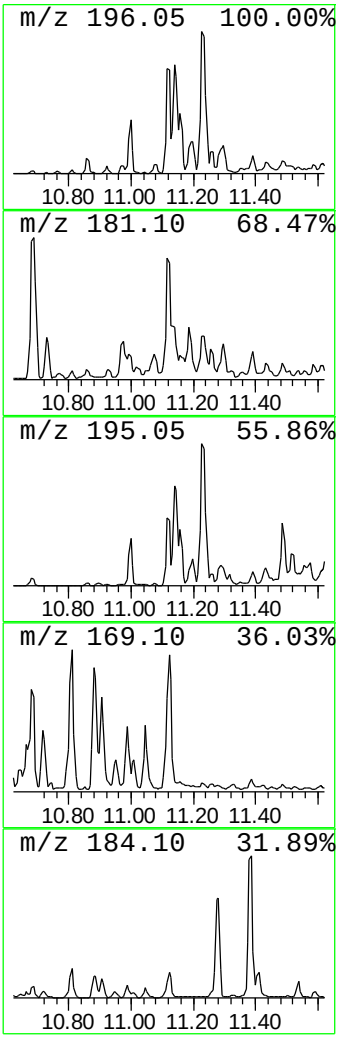
****

Peak Number 2 2,2-Dimethyl-1-acenaphthenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	4.82 ng	604648	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	60
2	Pentamethylmelamine	196	C8H16N6	035832-09-8	52
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	49
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
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Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-C

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

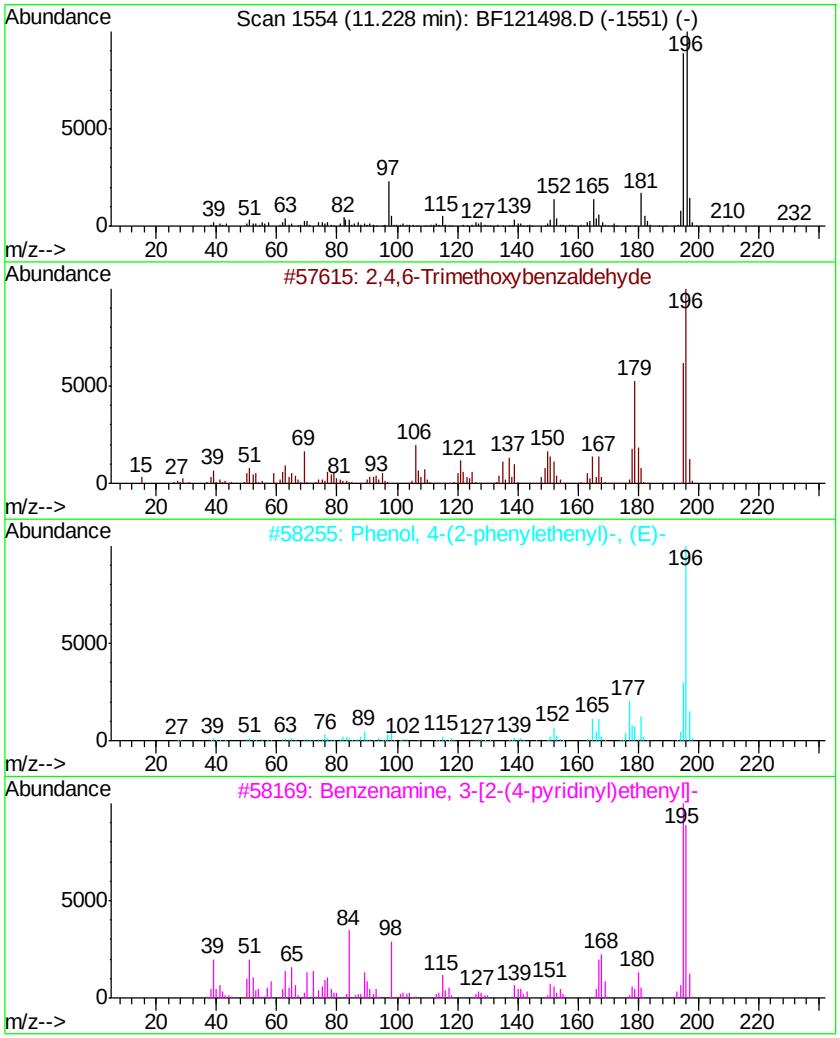
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

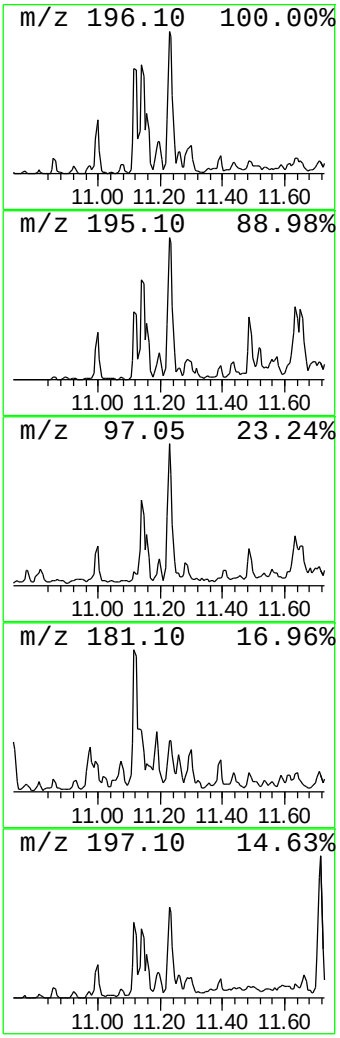
****

Peak Number 3 2,4,6-Trimethoxybenzaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	5.32 ng	667477	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
3	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-C

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

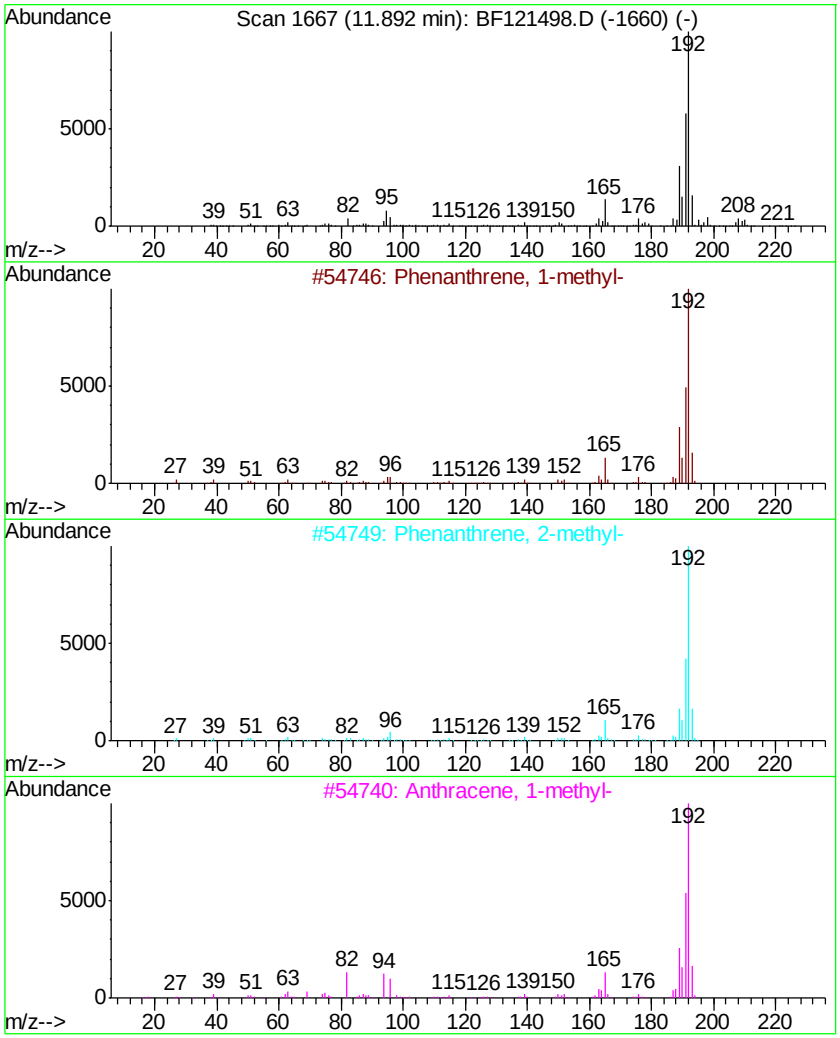
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

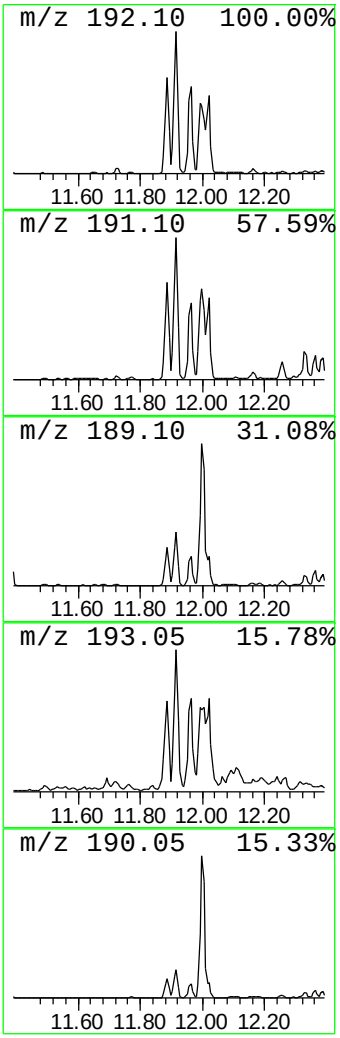
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	10.02 ng	1257500	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-C

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

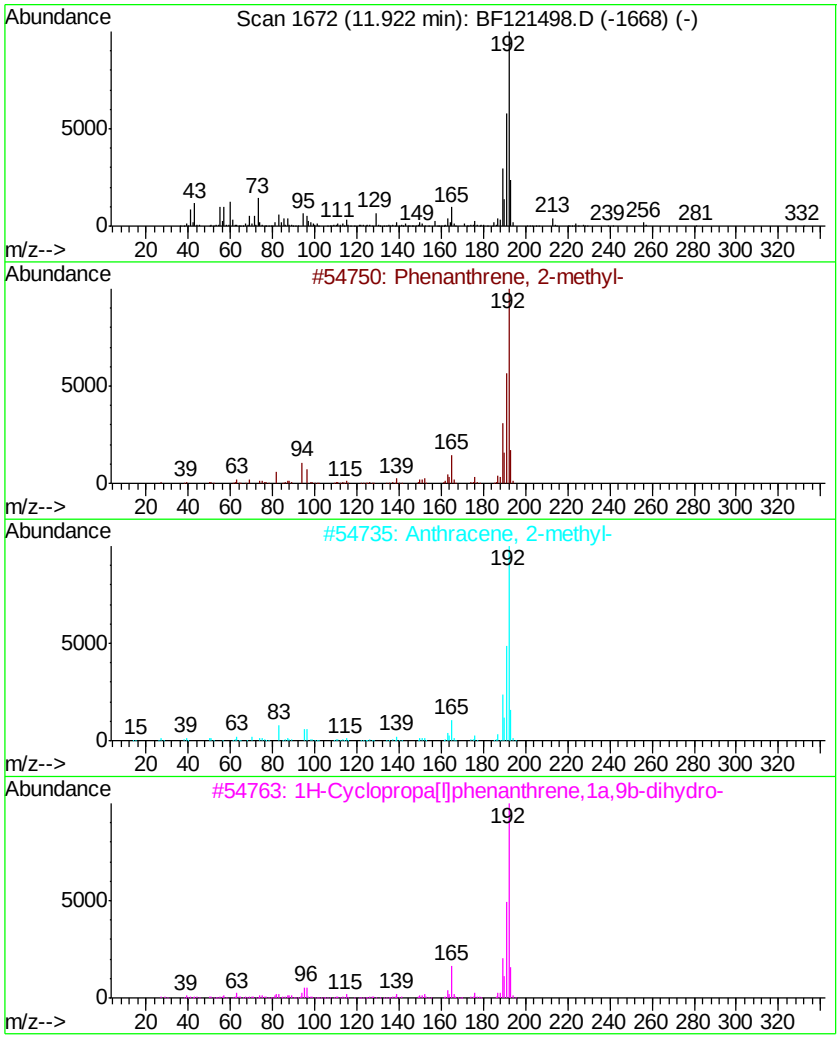
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

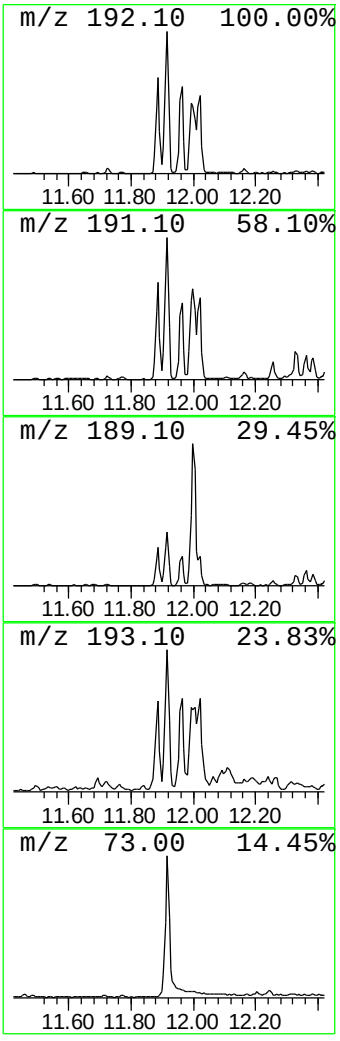
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	16.77 ng	2105710	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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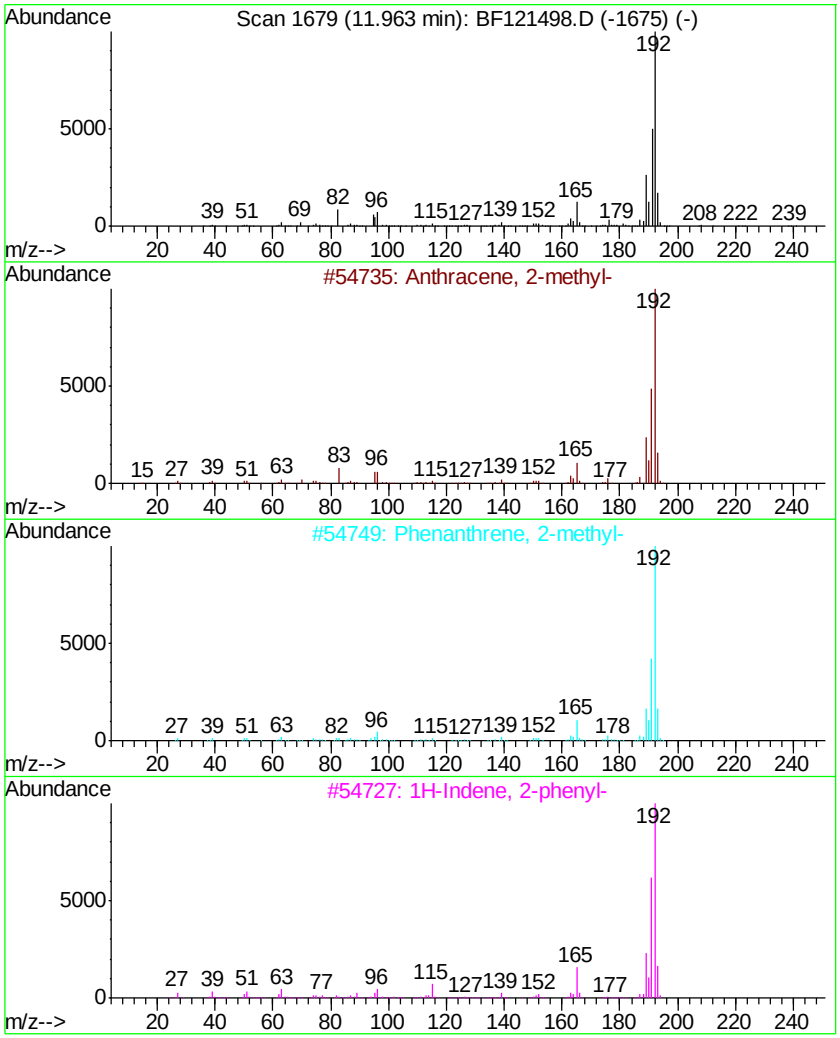
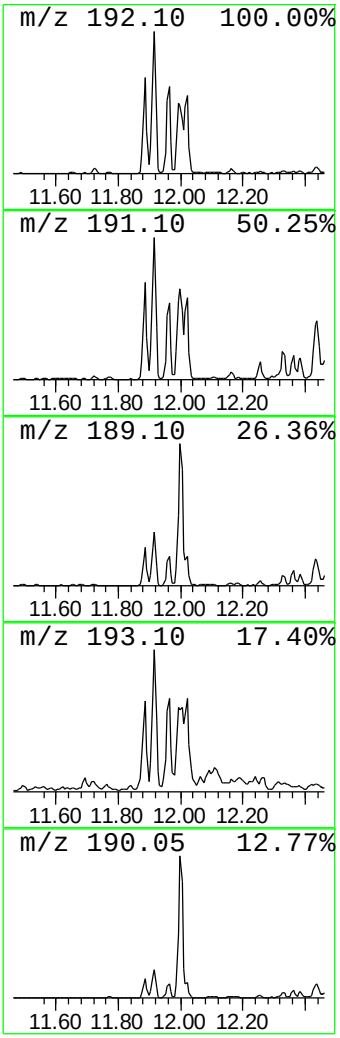
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	8.35 ng	1047730	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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Library Search Compound Report

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Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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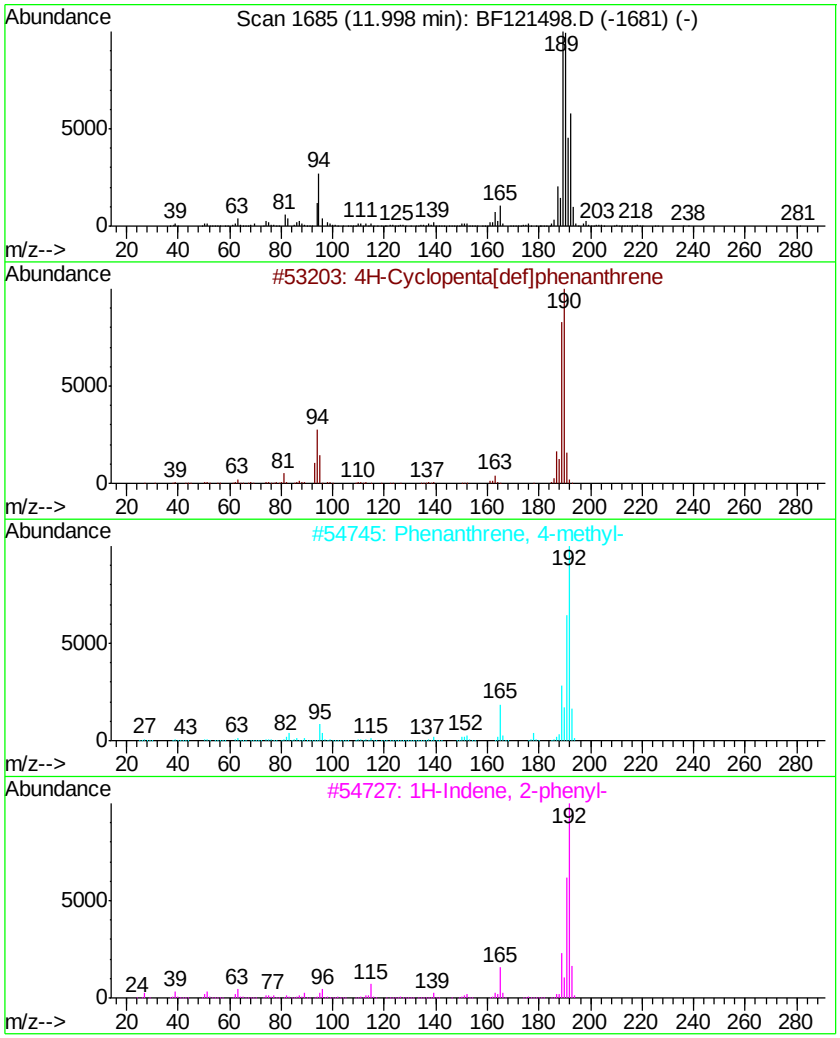
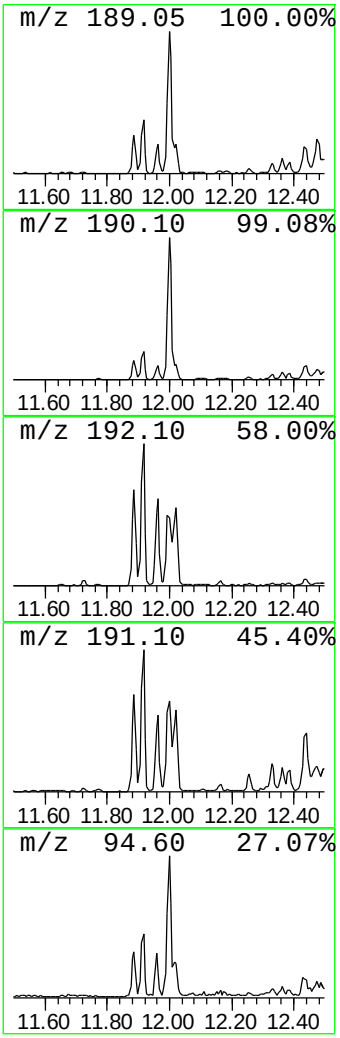
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	19.96 ng	2505410	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	35
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





Library Search Compound Report

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Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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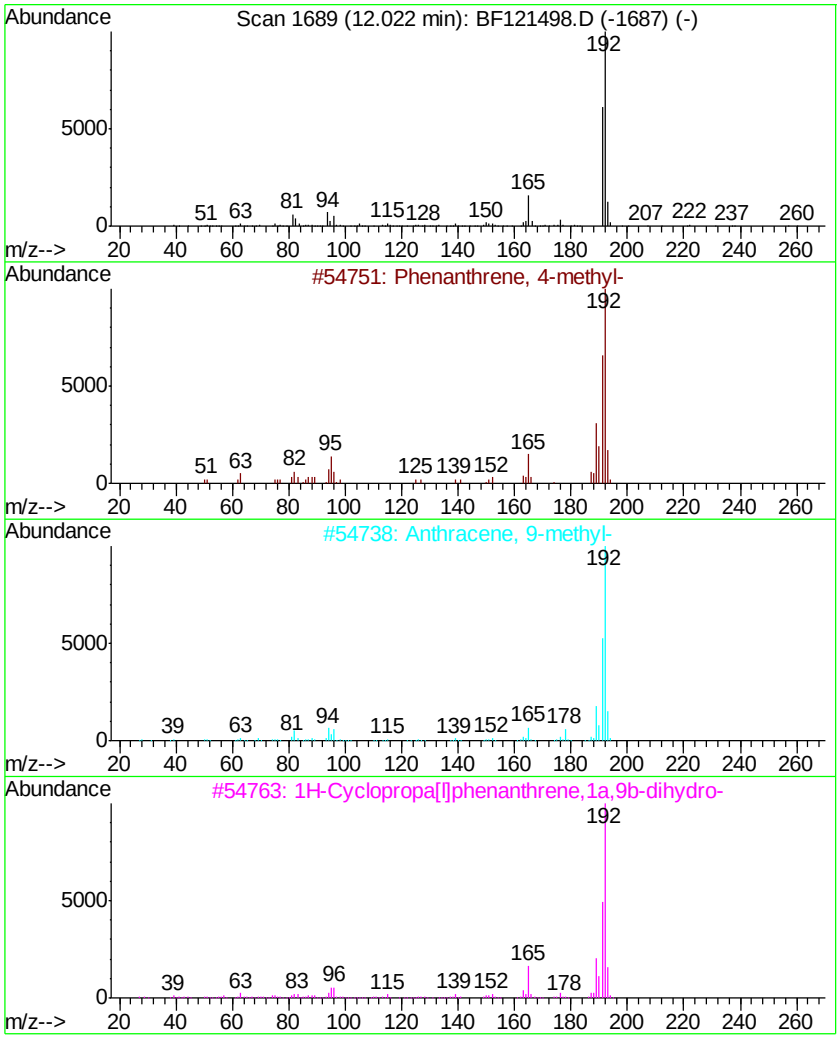
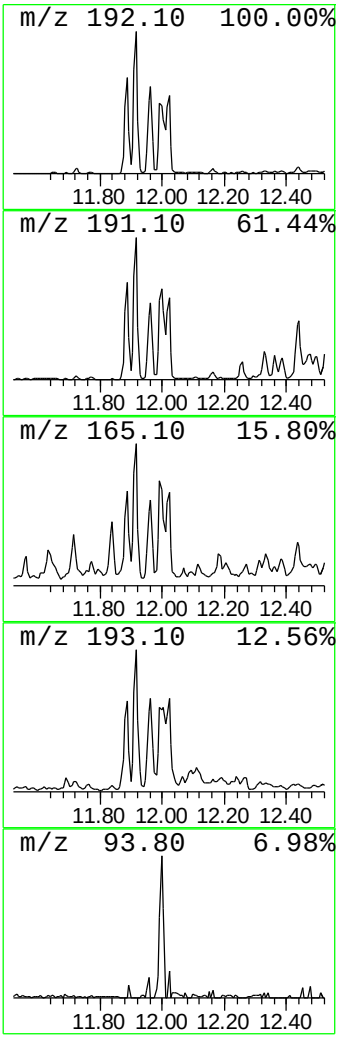
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.02 ng	880869	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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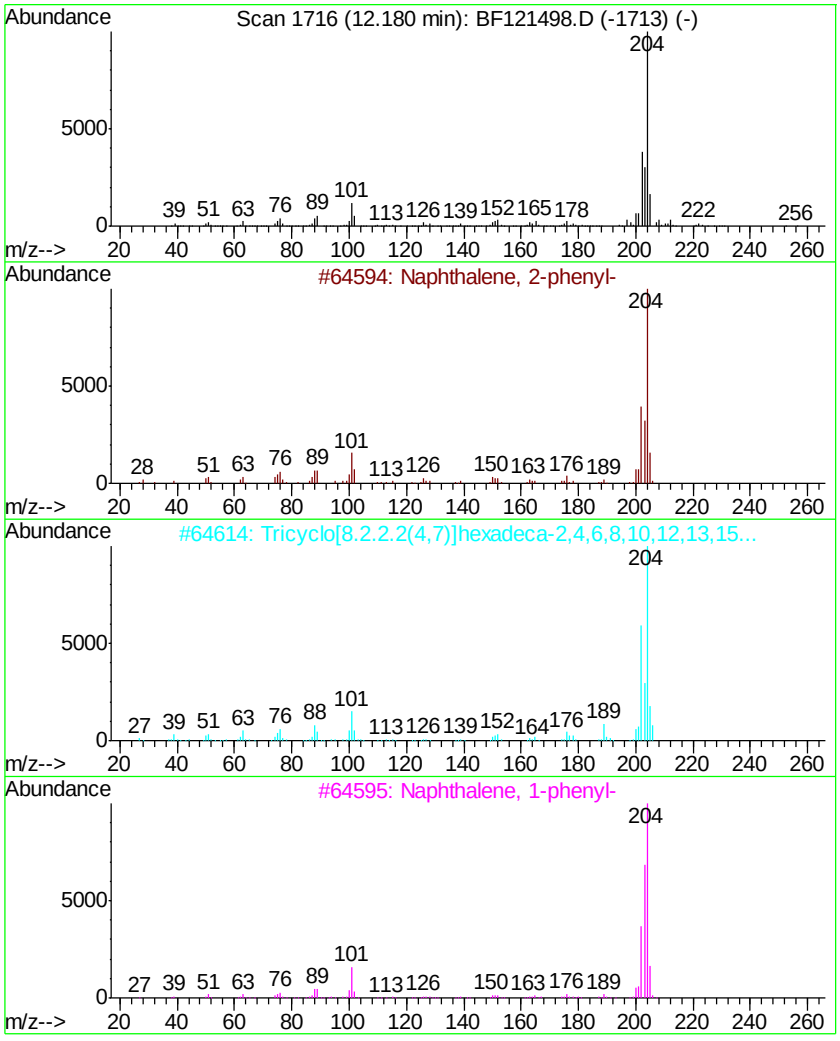
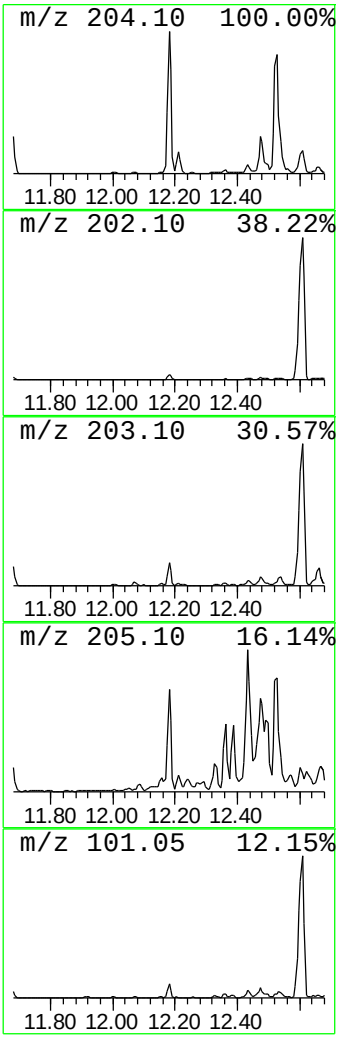
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	6.84 ng	858385	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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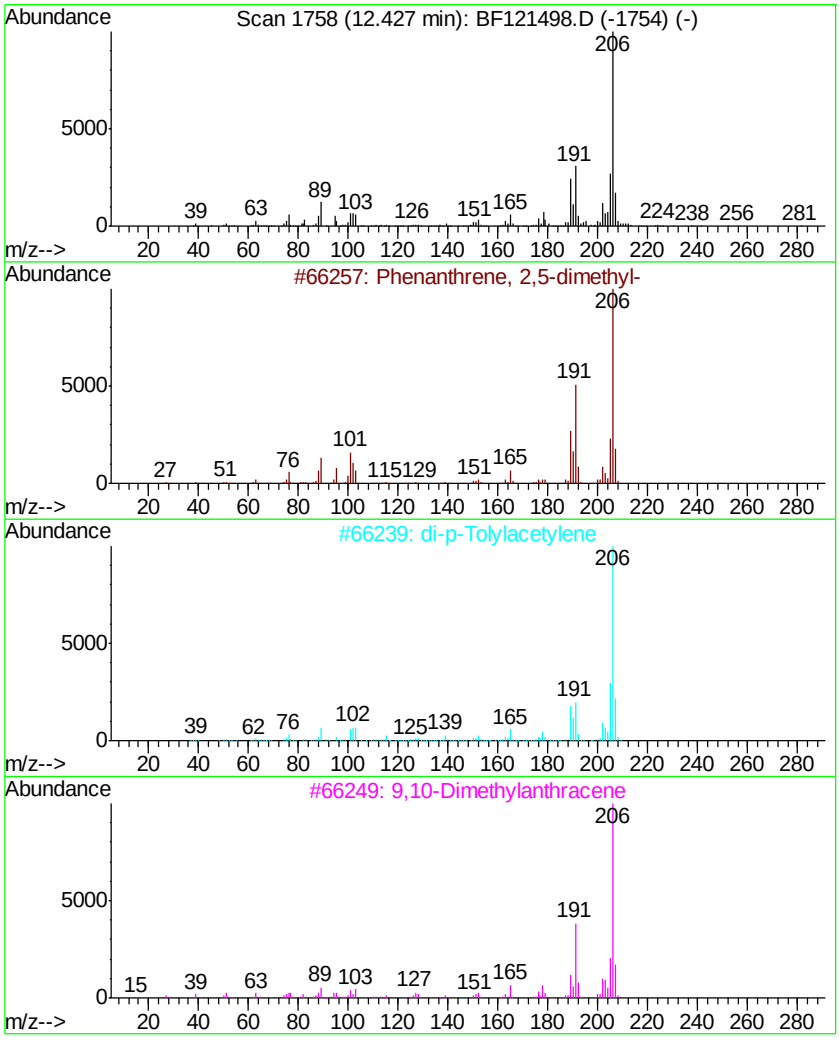
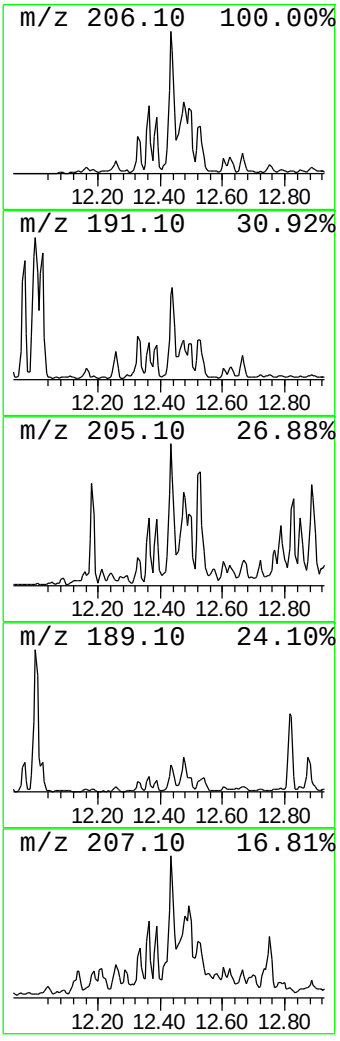
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	14.26 ng	1790280	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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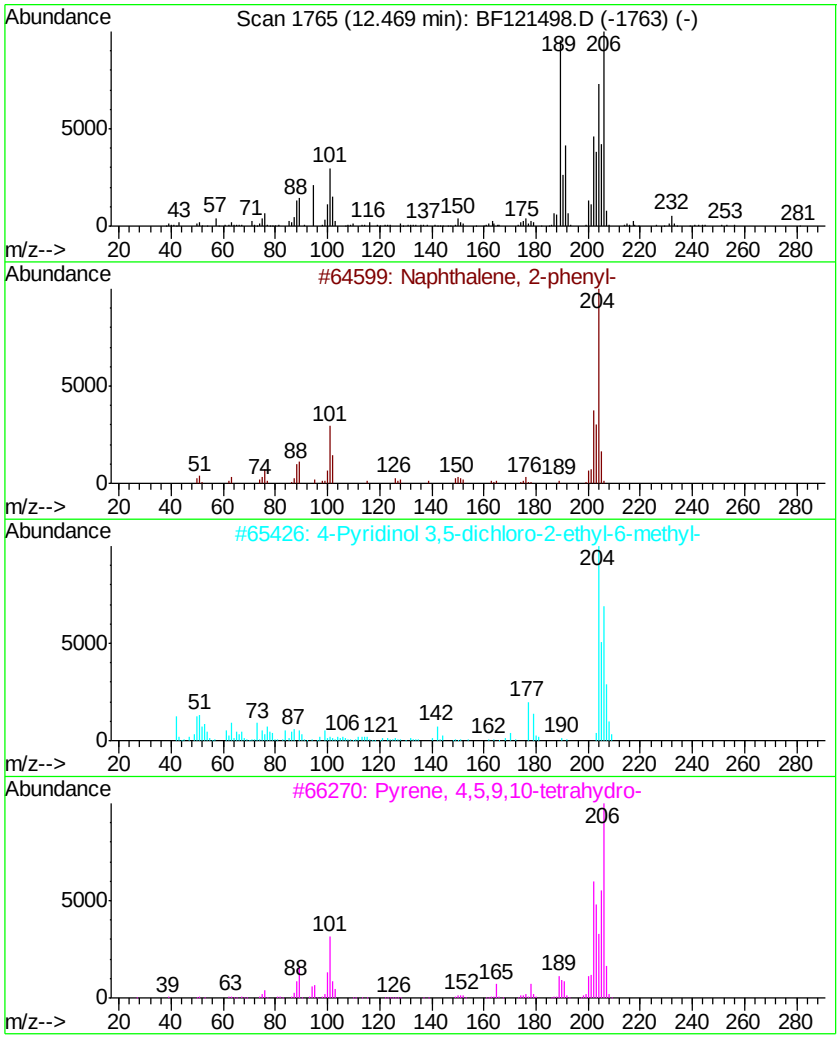
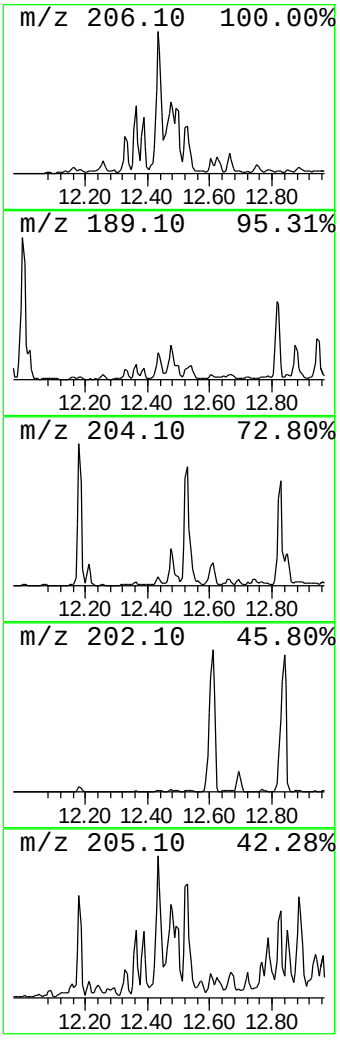
Peak Number 11 unknown12.47 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	7.82 ng	981124	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2	4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30
5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27





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Sample : L3848-15
Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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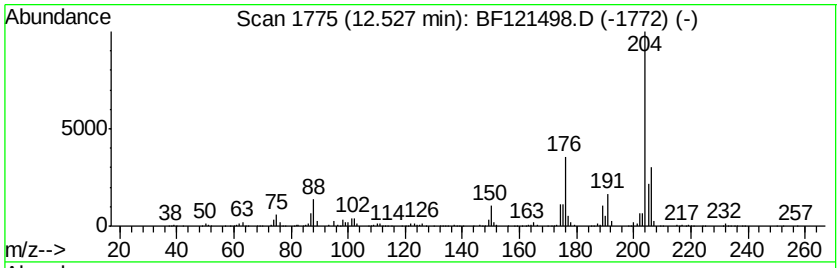
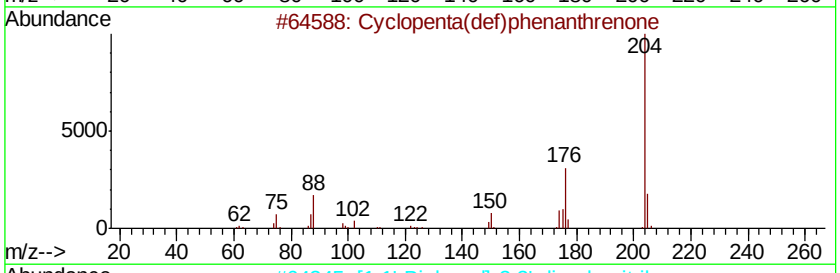
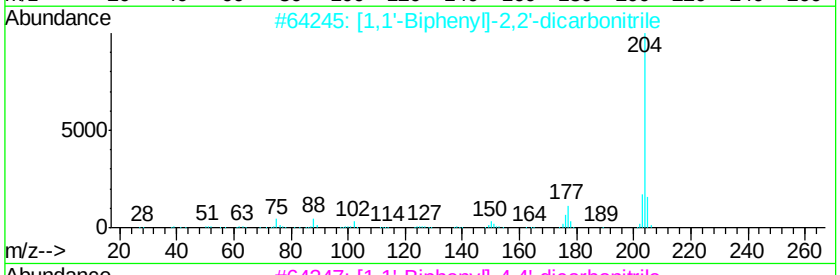
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 7

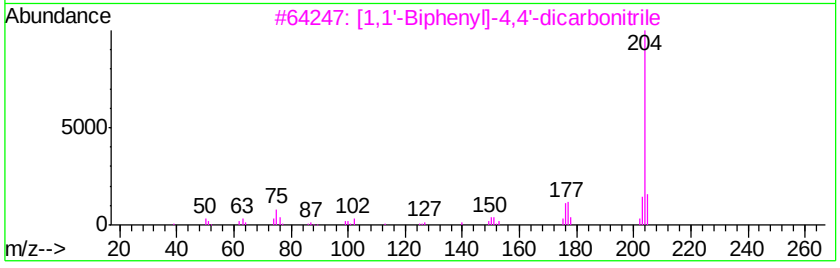
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	12.14 ng	1523670	Phenanthrene-d10	11.39

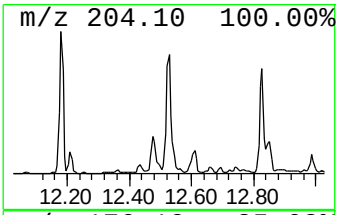
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	47

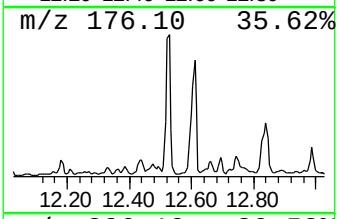


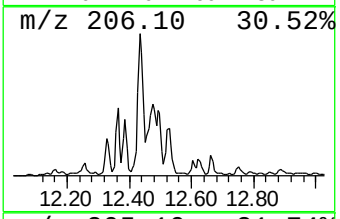


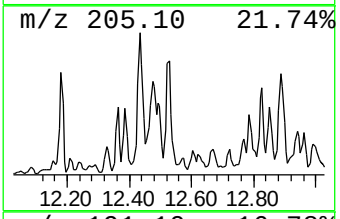


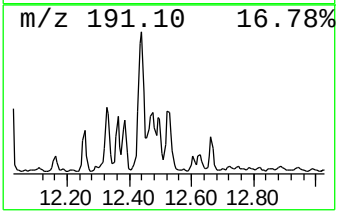












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Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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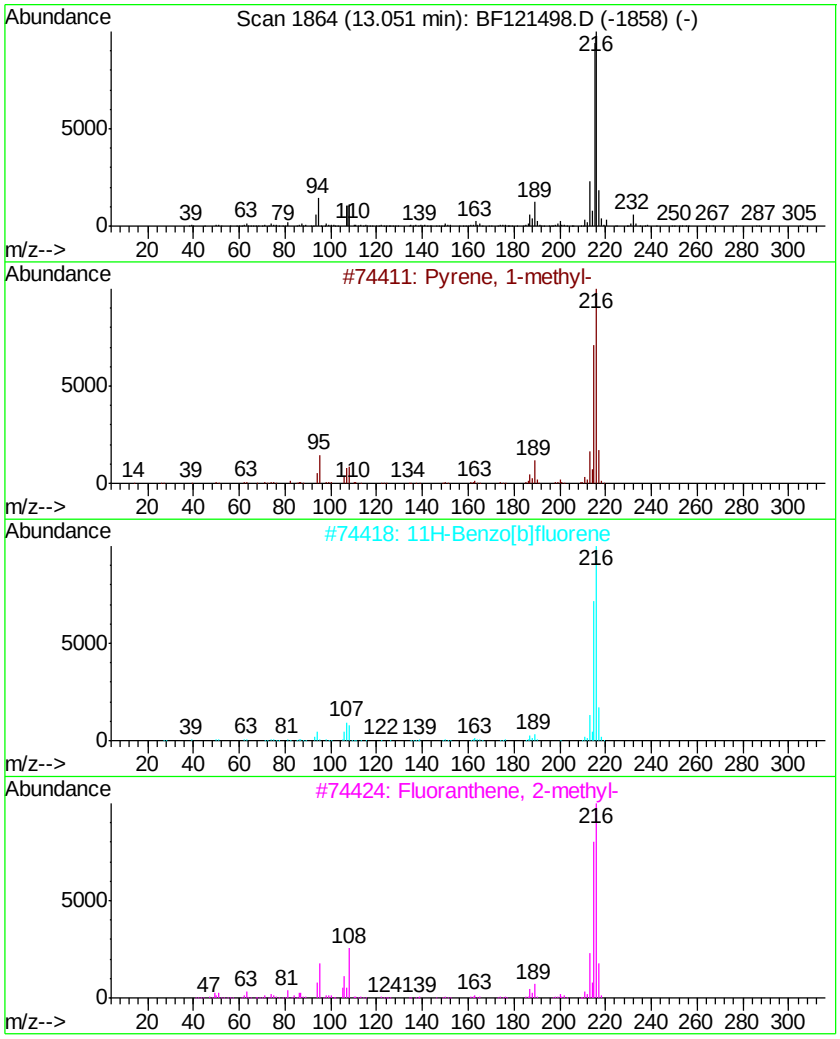
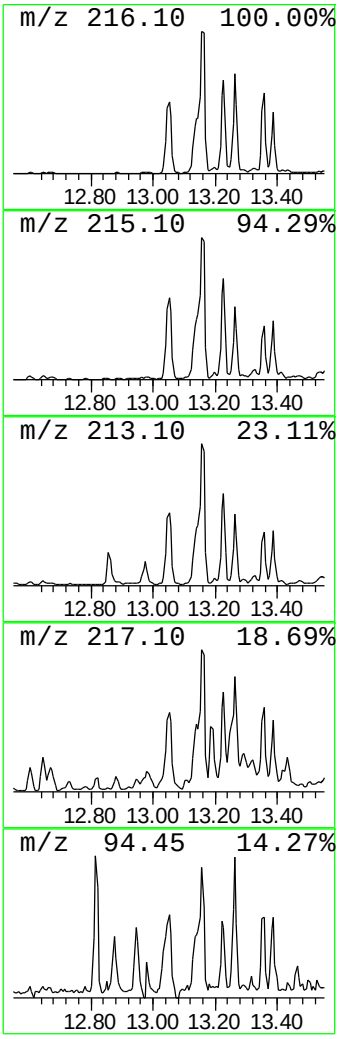
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	4.91 ng	2508250	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-C

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

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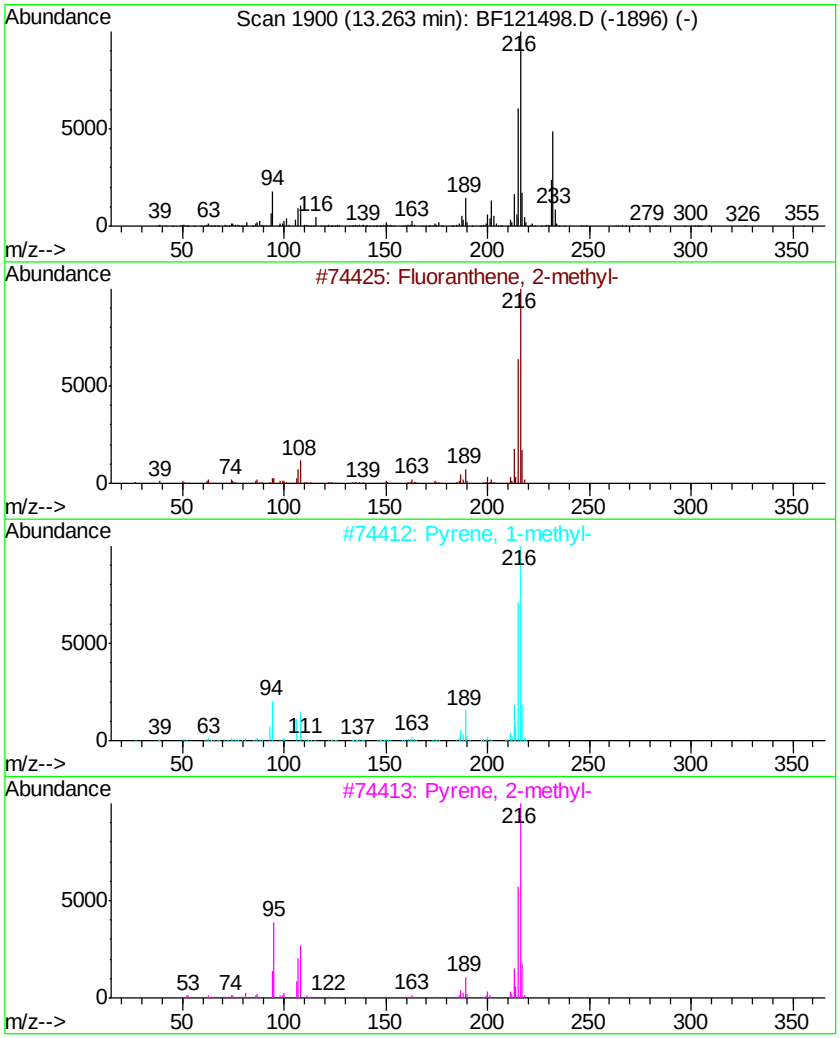
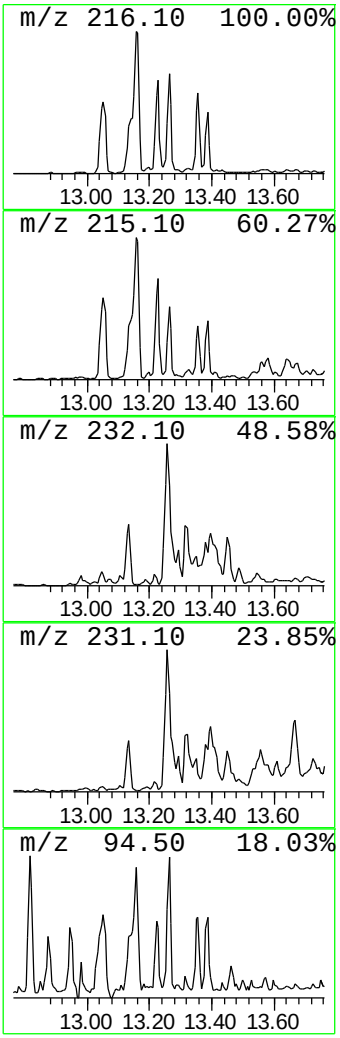
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	4.92 ng	2513180	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55





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Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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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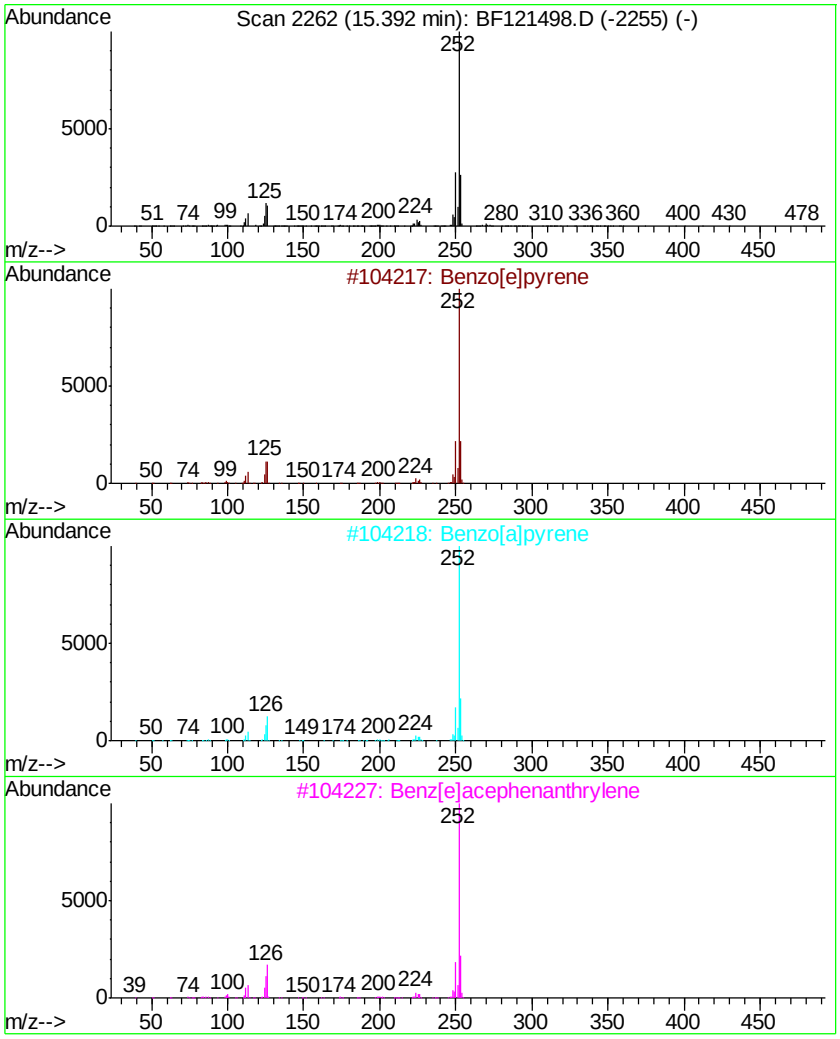
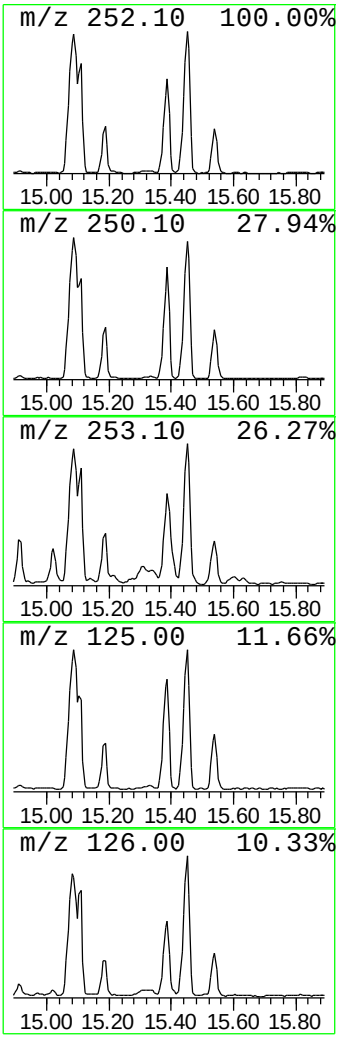
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	37.60 ng	3808800	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
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\BF090120\
Data File : BF121498.D
Acq On : 1 Sep 2020 16:01
Operator : JU/CG
Sample : L3848-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-04-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...	2.13	28.7	ng	2214290	1	6.85	1542530	20.0
2,2-Dimethyl-1-ac...	11.12	4.8	ng	604648	4	11.39	2510660	20.0
2,4,6-Trimethoxyb...	11.23	5.3	ng	667477	4	11.39	2510660	20.0
Phenanthrene, 1-m...	11.89	10.0	ng	1257500	4	11.39	2510660	20.0
Phenanthrene, 2-m...	11.92	16.8	ng	2105710	4	11.39	2510660	20.0
Anthracene, 2-met...	11.96	8.3	ng	1047730	4	11.39	2510660	20.0
4H-Cyclopenta[def...	12.00	20.0	ng	2505410	4	11.39	2510660	20.0
Phenanthrene, 4-m...	12.02	7.0	ng	880869	4	11.39	2510660	20.0
Naphthalene, 2-ph...	12.18	6.8	ng	858385	4	11.39	2510660	20.0
Phenanthrene, 2,5...	12.43	14.3	ng	1790280	4	11.39	2510660	20.0
unknown12.47	12.47	7.8	ng	981124	4	11.39	2510660	20.0
Cyclopenta(def)ph...	12.53	12.1	ng	1523670	4	11.39	2510660	20.0
Pyrene, 1-methyl-	13.05	4.9	ng	2508250	5	14.03	10226200	20.0
Fluoranthene, 2-m...	13.26	4.9	ng	2513180	5	14.03	10226200	20.0
Benzo[e]pyrene	15.39	37.6	ng	3808800	6	15.51	2025910	20.0