LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121492.D
Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-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	6.863	808	812	817	rBV	1932792	1612747	10.28%	0.766%
2	8.145	1026	1030	1032	rBV	2465593	1962746	12.51%	0.932%
3	9.222	1209	1213	1218	rVB	715758	667209	4.25%	0.317%
4	9.486	1254	1258	1261	rBV	505094	656102	4.18%	0.312%
5	9.557	1267	1270	1273	rBV	1268805	1277171	8.14%	0.607%
6	9.675	1287	1290	1292	rBV	797017	691088	4.40%	0.328%
7	9.763	1299	1305	1309	rBV2	791473	848596	5.41%	0.403%
8	9.898	1322	1328	1331	rBV	2271722	2306492	14.70%	1.096%
9	9.933	1331	1334	1337	rVV	1366825	1164600	7.42%	0.553%
10	10.004	1342	1346	1350	rVV3	487091	686821	4.38%	0.326%
11	10.057	1350	1355	1358	rVV2	423619	623234	3.97%	0.296%
12	10.104	1359	1363	1366	rVV	1002385	1072823	6.84%	0.510%
13	10.145	1366	1370	1373	rVB	1123553	984865	6.28%	0.468%
14	10.216	1378	1382	1385	rBV	1139803	1168575	7.45%	0.555%
15	10.310	1393	1398	1399	rBV	736784	881762	5.62%	0.419%
16	10.398	1408	1413	1415	rVV4	625843	675382	4.30%	0.321%
17	10.445	1418	1421	1427	rVV3	1117857	1280775	8.16%	0.608%
18	10.516	1427	1433	1435	rVV2	891867	1280964	8.16%	0.609%
19	10.563	1438	1441	1443	rVV2	670550	659763	4.20%	0.313%
20	10.598	1443	1447	1452	rVB5	518991	1088133	6.93%	0.517%
21	10.686	1457	1462	1466	rVB2	674035	773780	4.93%	0.368%
22	10.816	1479	1484	1487	rVB4	852994	955596	6.09%	0.454%
23	10.998	1510	1515	1517	rBV3	882056	1069388	6.81%	0.508%
24	11.022	1517	1519	1523	rVV2	833102	860454	5.48%	0.409%
25	11.080	1527	1529	1532	rVB	796846	611979	3.90%	0.291%
26	11.192	1545	1548	1552	rVB3	688572	649021	4.14%	0.308%
27	11.239	1552	1556	1561	rBV5	369603	666080	4.24%	0.316%
28	11.286	1561	1564	1575	rVB	822246	1118669	7.13%	0.531%
29	11.386	1578	1581	1583	rBV	1712971	1728793	11.02%	0.821%
30	11.416	1583	1586	1589	rVB	6967776	6566948	41.84%	3.120%
31	11.463	1592	1594	1597	rVB	2329006	1863855	11.88%	0.885%
32	11.498	1597	1600	1603	rBV2	607847	801153	5.10%	0.381%
33	11.686	1630	1632	1634	rVB	925743	637998	4.07%	0.303%
34	11.721	1634	1638	1643	rVB2	1339230	1281237	8.16%	0.609%

LSC Area Percent Report

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Data File : BF121492.D
Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	11.804	1649	1652	1656	rVB	561447	597547	3.81%	0.284%
36	11.892	1663	1667	1670	rVV	3489334	3611157	23.01%	1.715%
37	11.921	1670	1672	1676	rVB	4422262	3629365	23.13%	1.724%
38	11.969	1676	1680	1683	rBV	1833667	1753280	11.17%	0.833%
39	12.004	1683	1686	1689	rVV2	5225908	6321930	40.28%	3.003%
40	12.027	1689	1690	1694	rVB	3355972	2388925	15.22%	1.135%
41	12.127	1704	1707	1709	rVB2	777923	709092	4.52%	0.337%
42	12.186	1714	1717	1720	rVV	1982072	1952743	12.44%	0.928%
43	12.216	1720	1722	1727	rVB2	1419195	1421421	9.06%	0.675%
44	12.316	1737	1739	1741	rBV	849812	892333	5.69%	0.424%
45	12.339	1741	1743	1745	rVV2	1129705	973781	6.20%	0.463%
46	12.368	1745	1748	1750	rVV	1227297	1045100	6.66%	0.496%
47	12.392	1750	1752	1755	rVB2	1086314	822838	5.24%	0.391%
48	12.445	1755	1761	1764	rBV	3742058	4760967	30.34%	2.262%
49	12.480	1764	1767	1770	rVV2	2236664	3029494	19.30%	1.439%
50	12.533	1773	1776	1781	rBV2	2328275	3052373	19.45%	1.450%
51	12.616	1785	1790	1793	rBV	9065454	10347049	65.93%	4.915%
52	12.651	1793	1796	1798	rVV	680141	703053	4.48%	0.334%
53	12.668	1798	1799	1803	rVB2	751753	632936	4.03%	0.301%
54	12.745	1809	1812	1813	rBV2	566971	620539	3.95%	0.295%
55	12.851	1823	1830	1833	rBV	10703967	15693987	100.00%	7.455%
56	12.892	1833	1837	1840	rVB2	1371932	1699946	10.83%	0.808%
57	13.051	1860	1864	1871	rBV3	2320402	3815453	24.31%	1.813%
58	13.110	1871	1874	1876	rBV	937410	800396	5.10%	0.380%
59	13.139	1876	1879	1881	rBV2	1810940	2252894	14.36%	1.070%
60	13.163	1881	1883	1886	rVB	3027506	2897423	18.46%	1.376%
61	13.210	1886	1891	1892	rBV3	679523	945073	6.02%	0.449%
62	13.233	1892	1895	1897	rVB	1425540	1255260	8.00%	0.596%
63	13.268	1897	1901	1904	rBV2	3054945	3102849	19.77%	1.474%
64	13.327	1909	1911	1914	rVV2	666624	733588	4.67%	0.348%
65	13.363	1914	1917	1919	rVV	3156843	2939566	18.73%	1.396%
66	13.392	1919	1922	1925	rVV	3167155	3001440	19.12%	1.426%
67	13.421	1925	1927	1931	rVV4	476033	604751	3.85%	0.287%
68	13.474	1933	1936	1939	rVB4	712742	947603	6.04%	0.450%
69	13.674	1963	1970	1974	rBV2	2035422	3032024	19.32%	1.440%
70	13.786	1984	1989	1992	rBV3	2415104	3739876	23.83%	1.777%
71	13.815	1992	1994	1996	rVV	1934837	1644640	10.48%	0.781%

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Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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Peak separation: 5

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

72	13.839	1996	1998	2001	rVV2	1858306	1890653	12.05%	0.898%
73	13.880	2003	2005	2009	rVB	1879784	1766953	11.26%	0.839%
74	14.033	2025	2031	2034	rBV2	6533617	10106276	64.40%	4.801%
75	14.068	2034	2037	2044	rVB	6897159	8260221	52.63%	3.924%
76	14.121	2044	2046	2048	rBV	970811	907711	5.78%	0.431%
77	14.145	2048	2050	2054	rVV	1349620	1396735	8.90%	0.664%
78	14.198	2054	2059	2066	rVB6	1069678	2486981	15.85%	1.181%
79	14.292	2073	2075	2078	rVB	906564	748377	4.77%	0.356%
80	14.357	2083	2086	2088	rBV3	530588	583736	3.72%	0.277%
81	14.386	2088	2091	2093	rBV	845485	778520	4.96%	0.370%
82	14.427	2093	2098	2101	rBV	2813391	3156797	20.11%	1.500%
83	14.457	2101	2103	2106	rVB	1986212	1547839	9.86%	0.735%
84	14.498	2107	2110	2111	rBV2	702221	835923	5.33%	0.397%
85	14.551	2116	2119	2121	rVV	2139342	2103402	13.40%	0.999%
86	14.568	2121	2122	2125	rVV	1188621	965822	6.15%	0.459%
87	14.615	2126	2130	2134	rVV3	1031345	1440812	9.18%	0.684%
88	14.674	2137	2140	2145	rVB4	522052	655564	4.18%	0.311%
89	14.757	2152	2154	2161	rVB2	648026	1091300	6.95%	0.518%
90	14.815	2161	2164	2166	rVV2	610506	680900	4.34%	0.323%
91	14.851	2167	2170	2174	rVB2	873938	1032093	6.58%	0.490%
92	15.092	2205	2211	2214	rBV	3915720	7174397	45.71%	3.408%
93	15.192	2225	2228	2231	rVB	945812	910071	5.80%	0.432%
94	15.398	2257	2263	2268	rVB	2887727	4135993	26.35%	1.965%
95	15.462	2268	2274	2278	rVB	4094518	5631008	35.88%	2.675%
96	15.515	2279	2283	2286	rVV	1179312	1559359	9.94%	0.741%
97	15.551	2286	2289	2295	rVB2	1148066	1832218	11.67%	0.870%
98	16.080	2376	2379	2383	rVB3	454227	600754	3.83%	0.285%
99	16.998	2529	2535	2542	rVB2	1762526	3430146	21.86%	1.629%
100	17.451	2604	2612	2624	rVB	1377322	3248523	20.70%	1.543%

Sum of corrected areas: 210506575

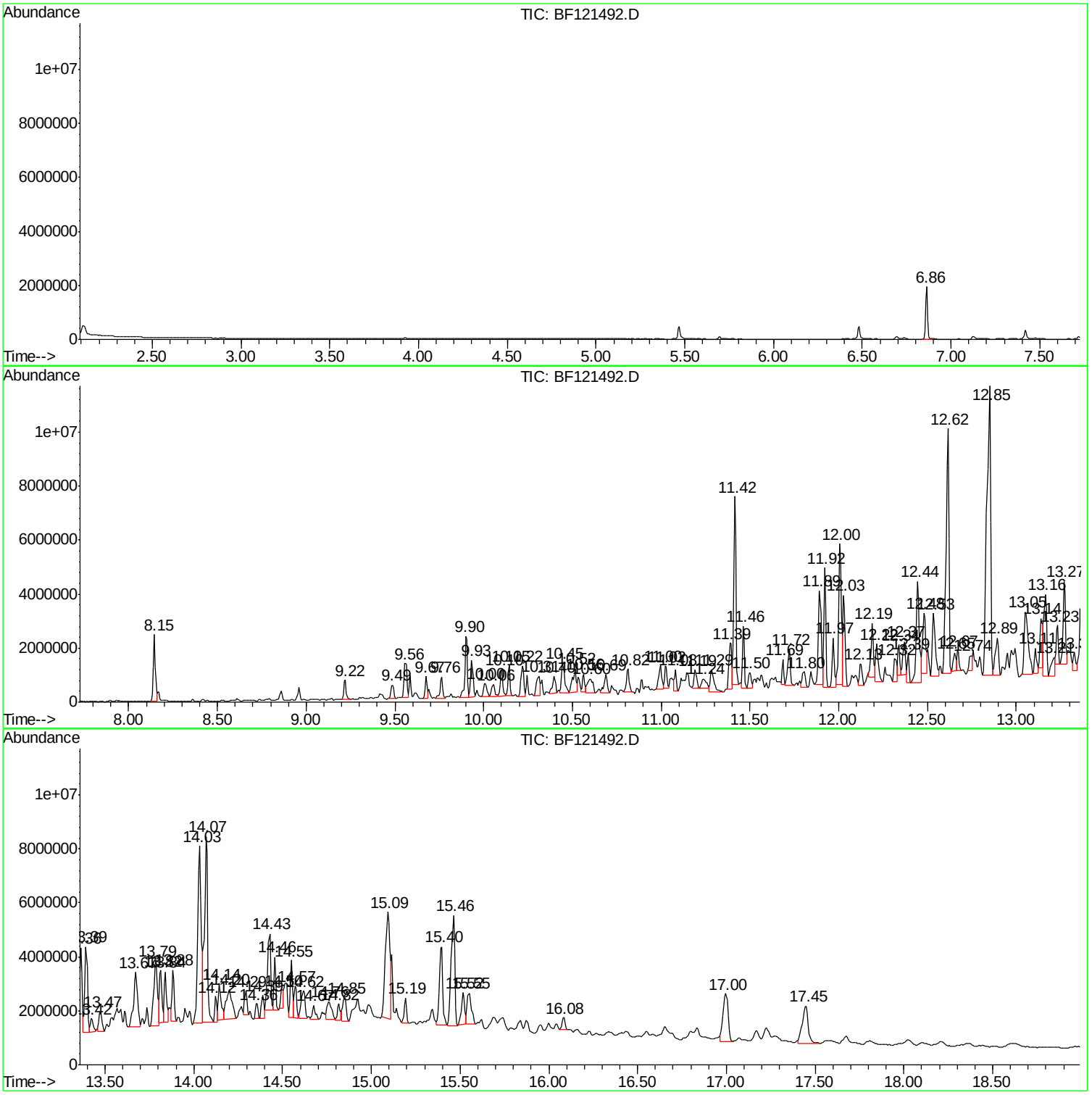
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121492.D
Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121492.D
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Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-C

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

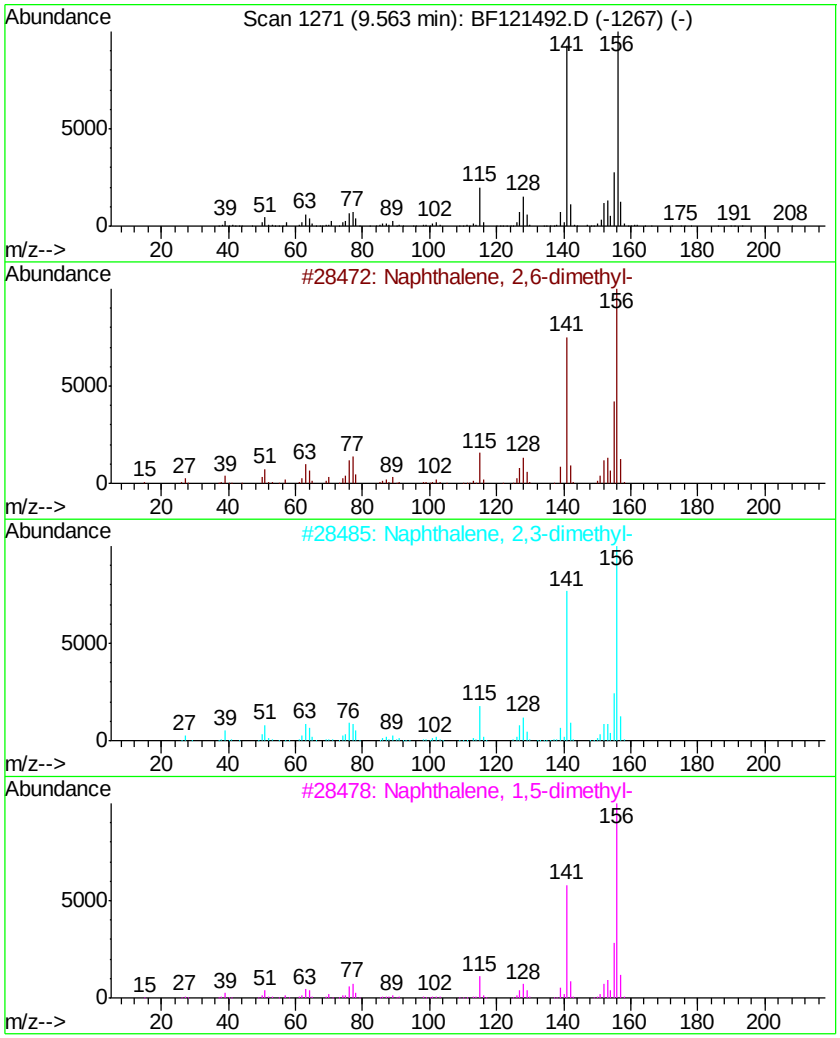
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

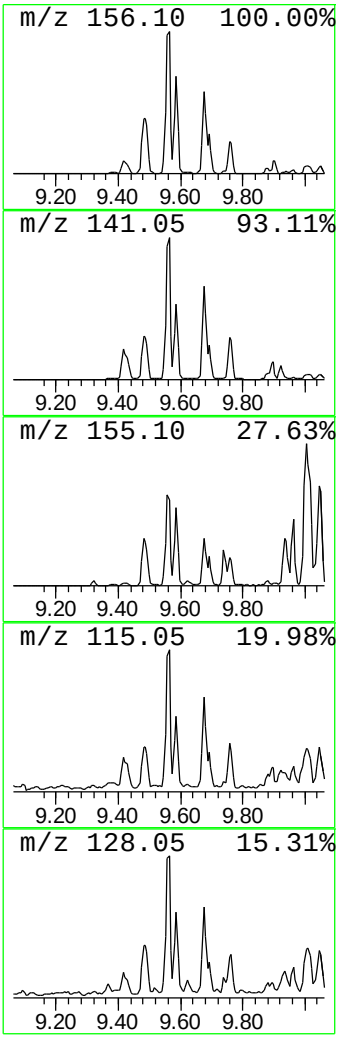
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	11.07 ng	1277170	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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

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

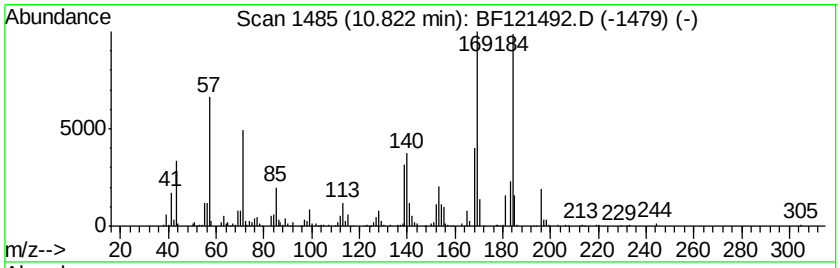
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

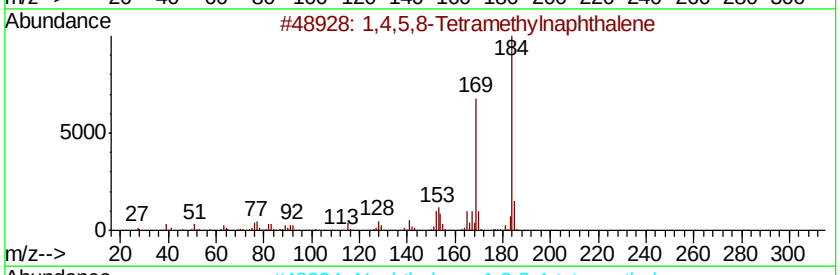
****

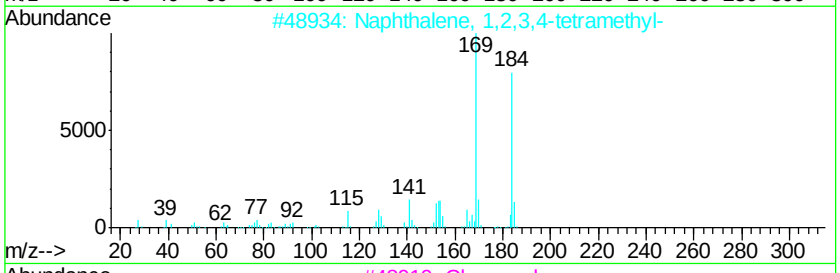
Peak Number 2 1,4,5,8-Tetramethylnaphthalene Concentration Rank 20

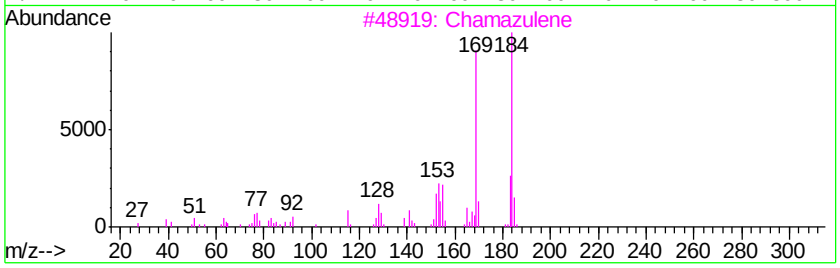
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	11.06 ng	955596	Phenanthrene-d10	11.39

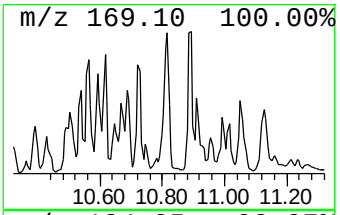
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	70
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	64
3	Chamazulene	184	C14H16	000529-05-5	60
4	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	46
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	46

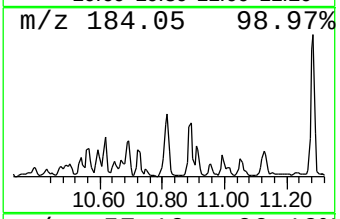


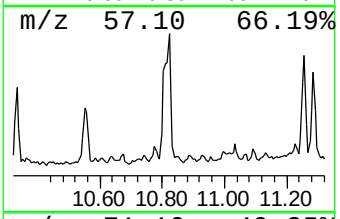


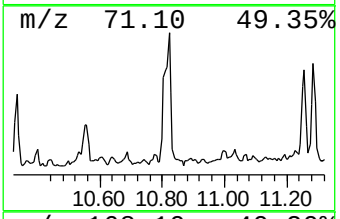


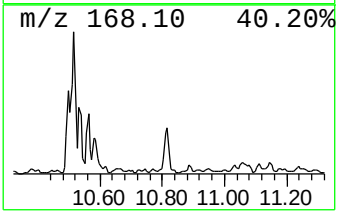












Library Search Compound Report

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

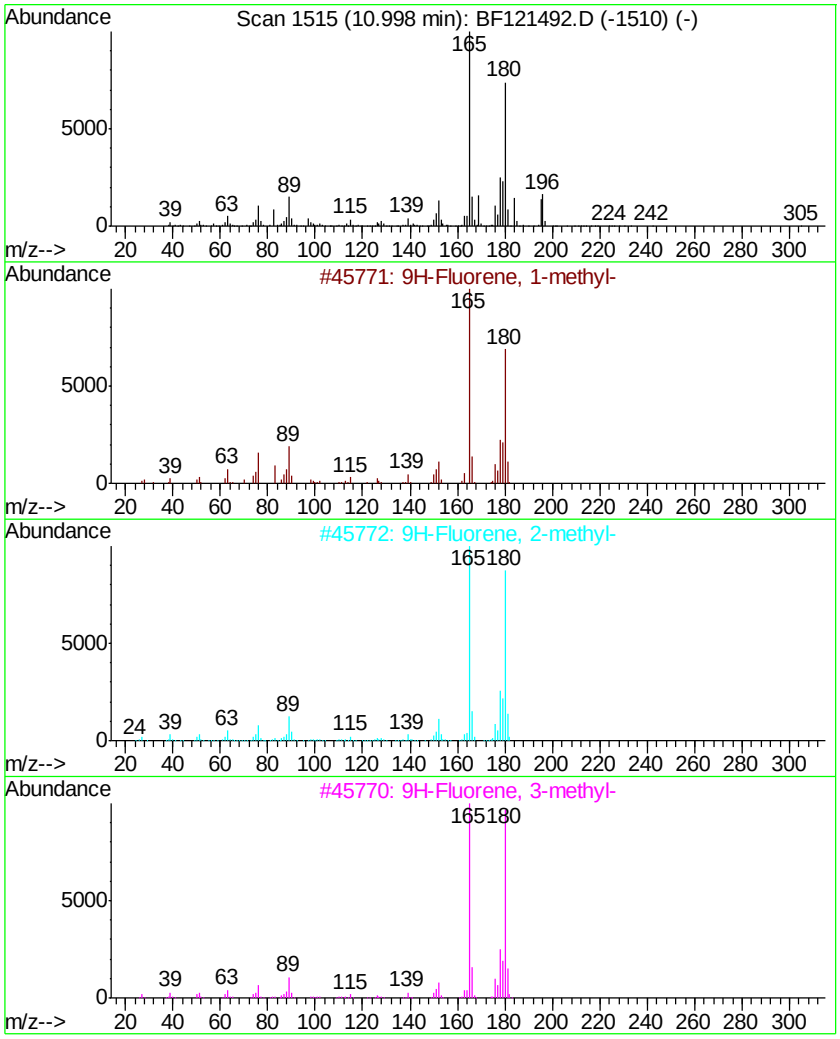
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

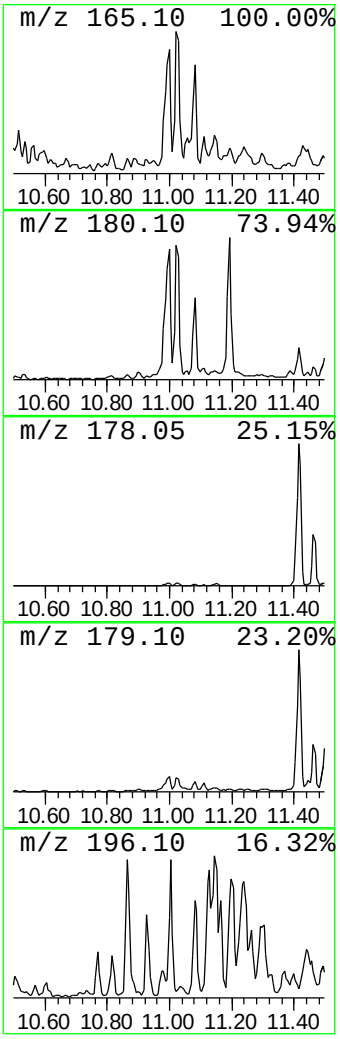
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	12.37 ng	1069390	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	49





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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-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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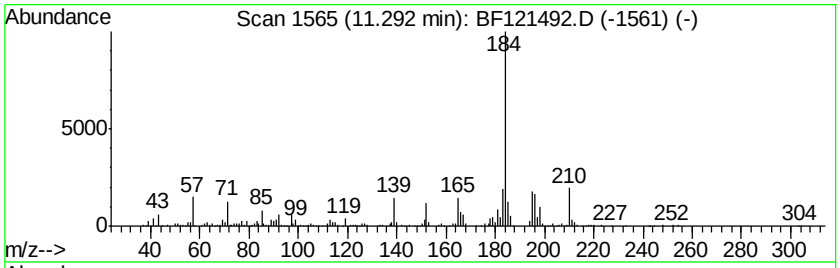
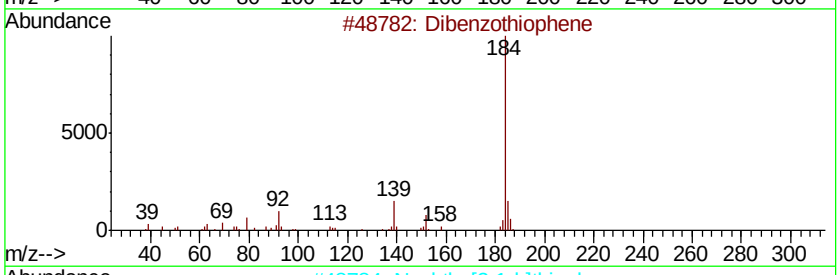
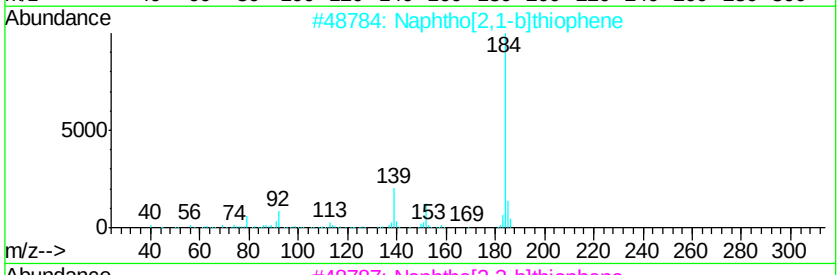
Peak Number 4 Dibenzothiophene Concentration Rank 14

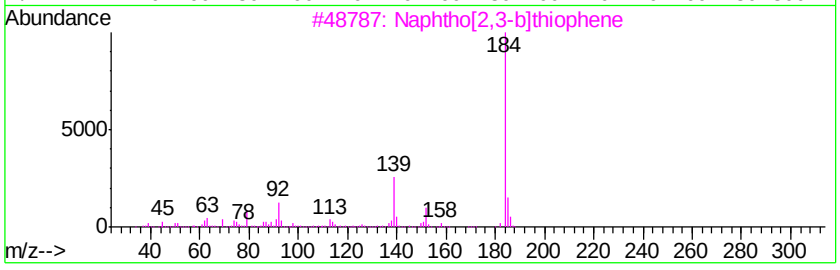
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	12.94 ng	1118670	Phenanthrene-d10	11.39

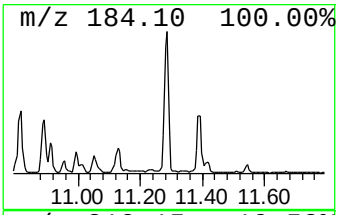
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87

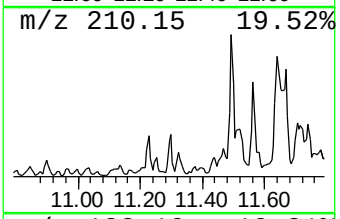


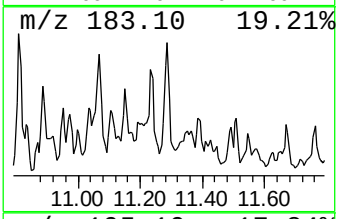


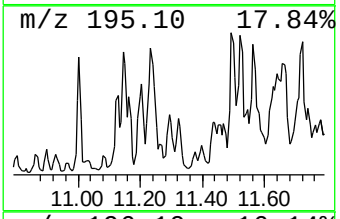


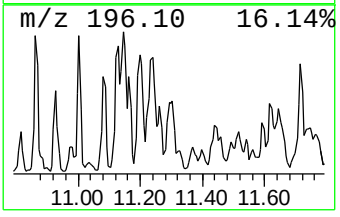












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Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-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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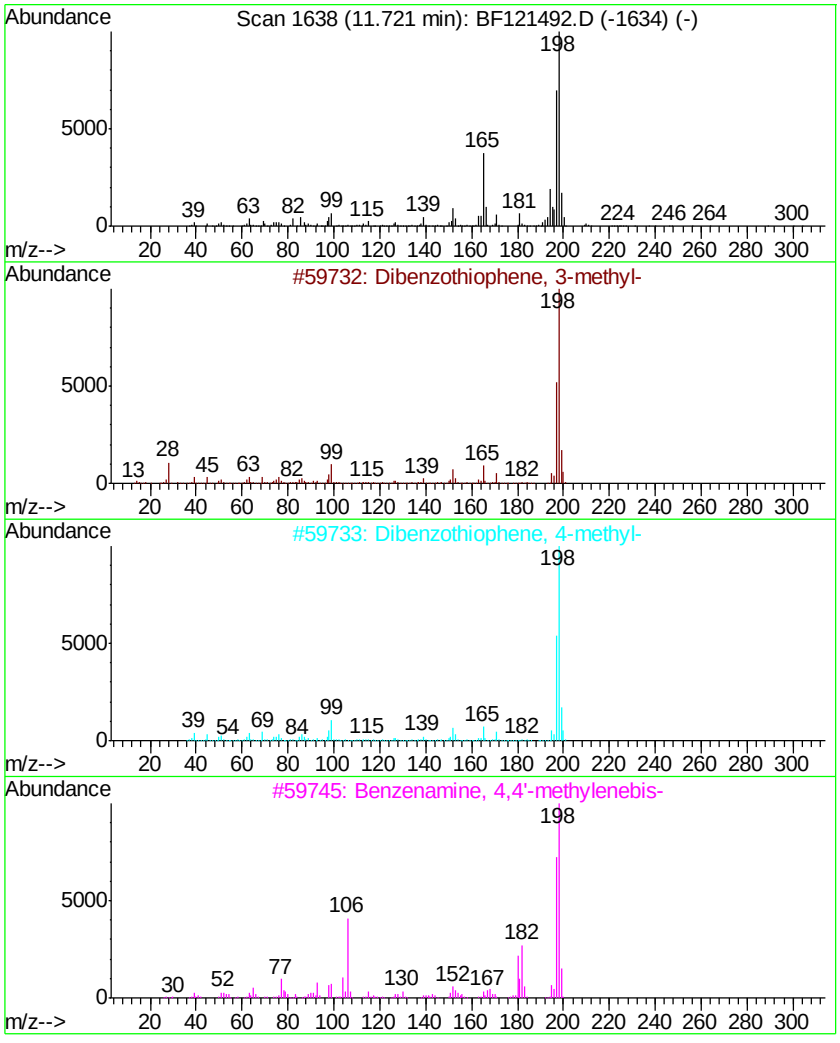
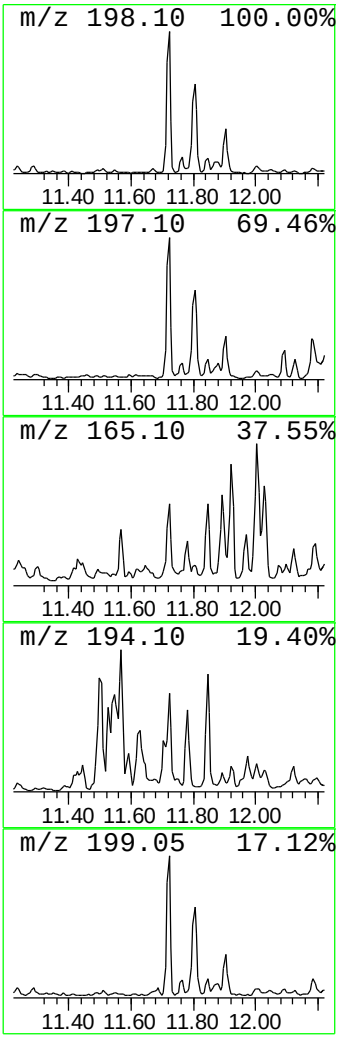
Peak Number 5 Dibenzothiophene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	14.82 ng	1281240	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	89
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
4	Thioxanthene	198	C13H10S	000261-31-4	53
5	Tacrine	198	C13H14N2	000321-64-2	52





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ClientSampleId : LINDEN-JOP-BH-08-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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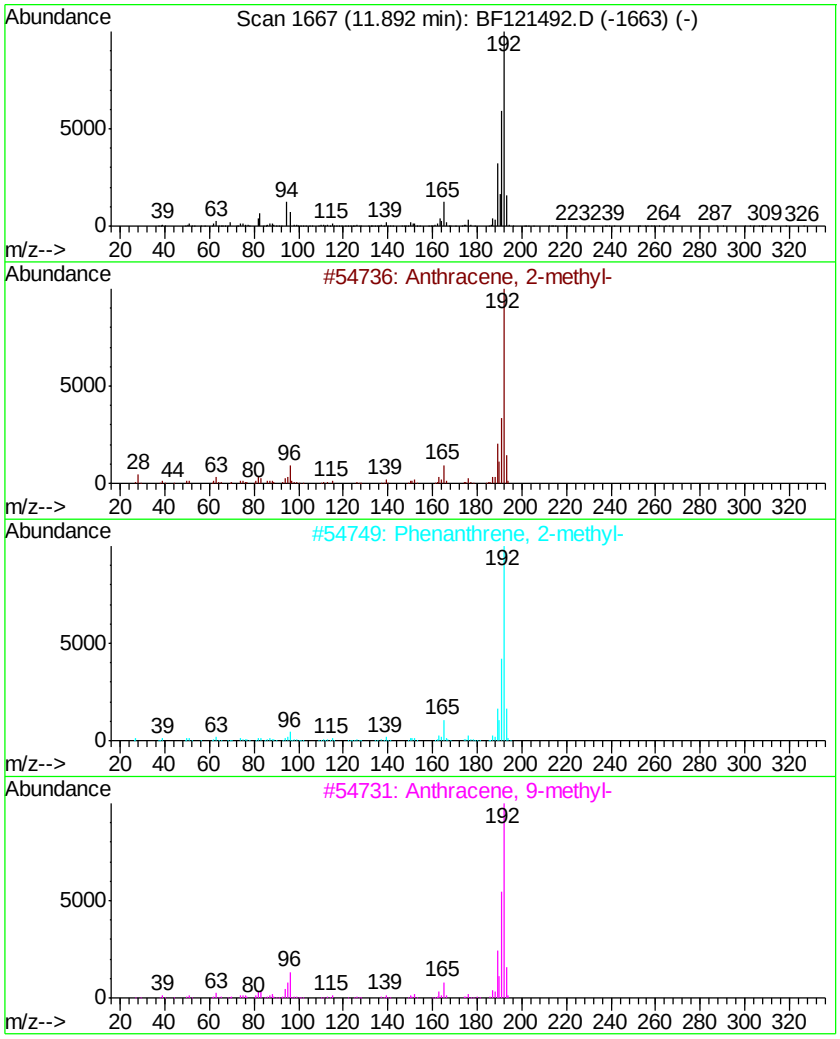
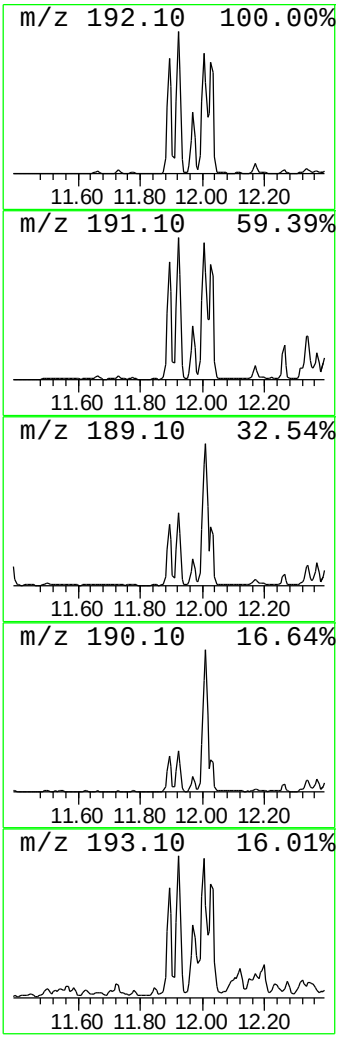
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	41.78 ng	3611160	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	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





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Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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

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

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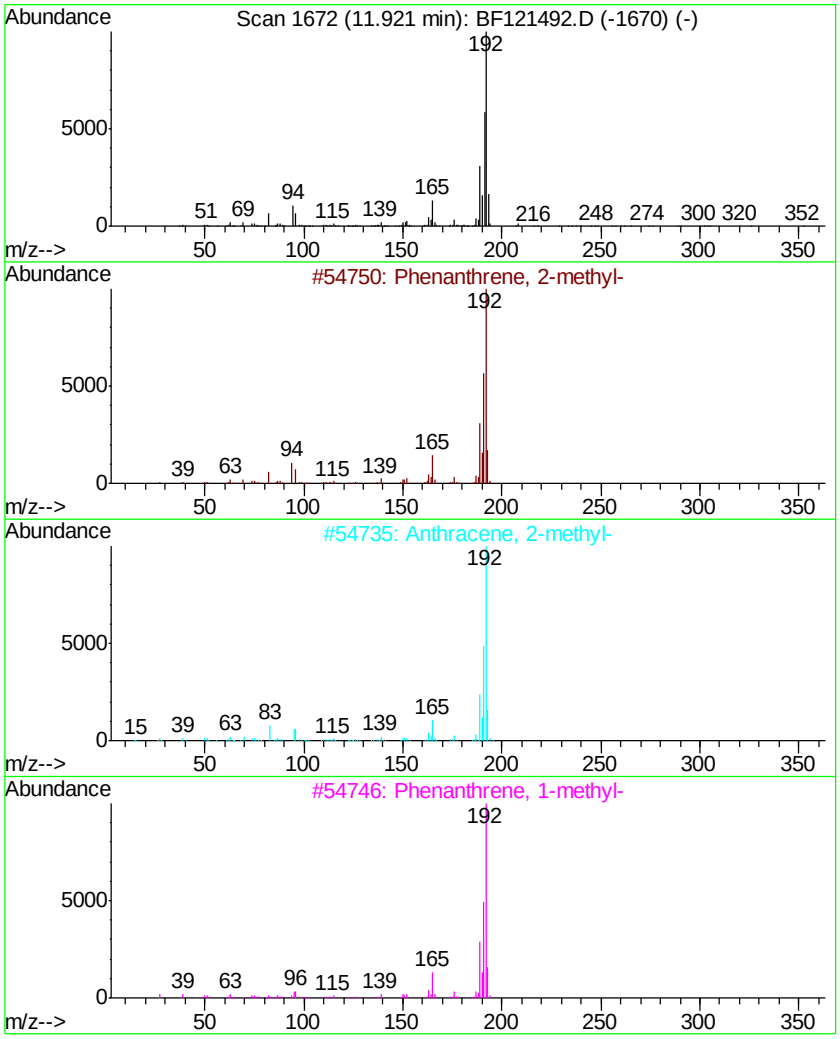
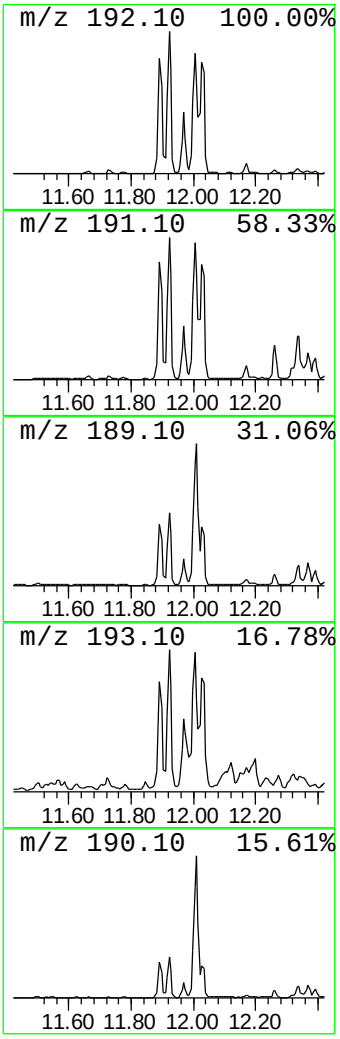
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	41.99 ng	3629370	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





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ClientSampleId : LINDEN-JOP-BH-08-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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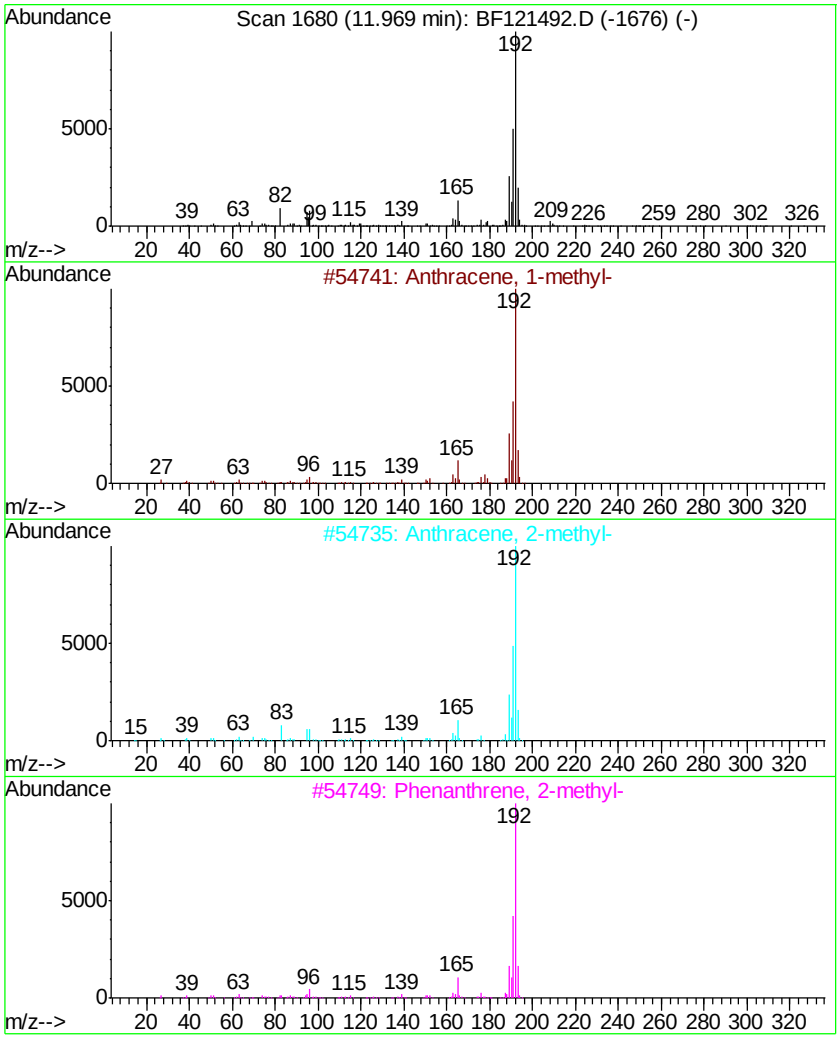
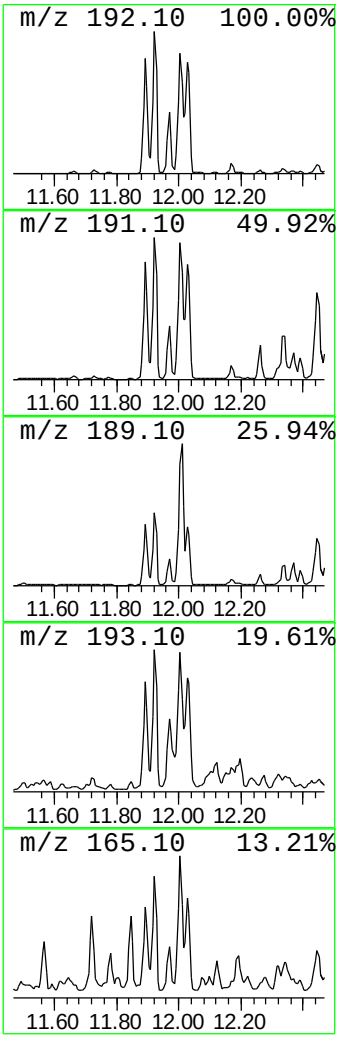
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	20.28 ng	1753280	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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ClientSampleId : LINDEN-JOP-BH-08-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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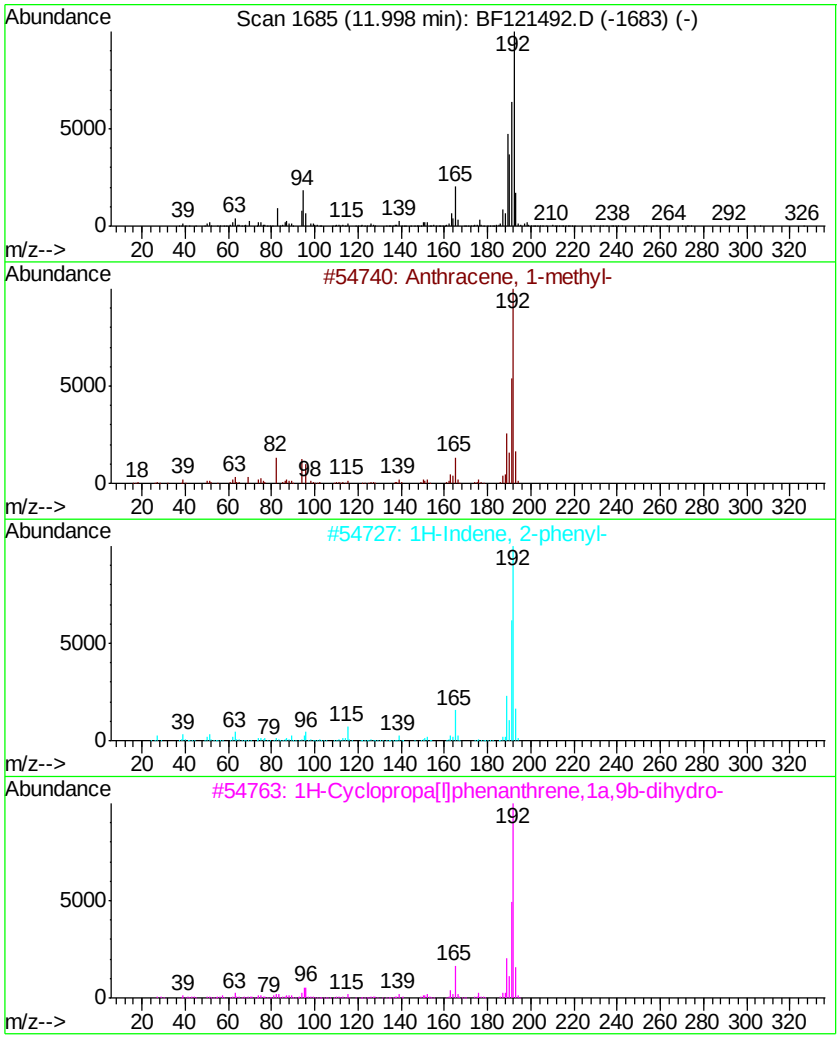
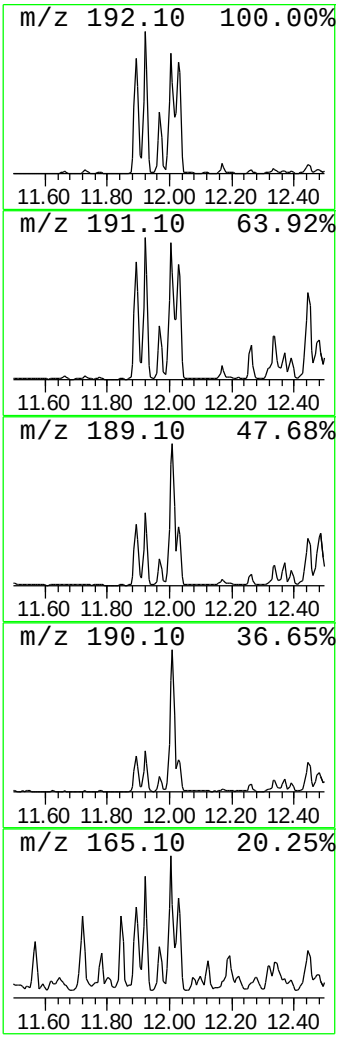
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	73.14 ng	6321930	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55





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Sample : L3847-05 5X
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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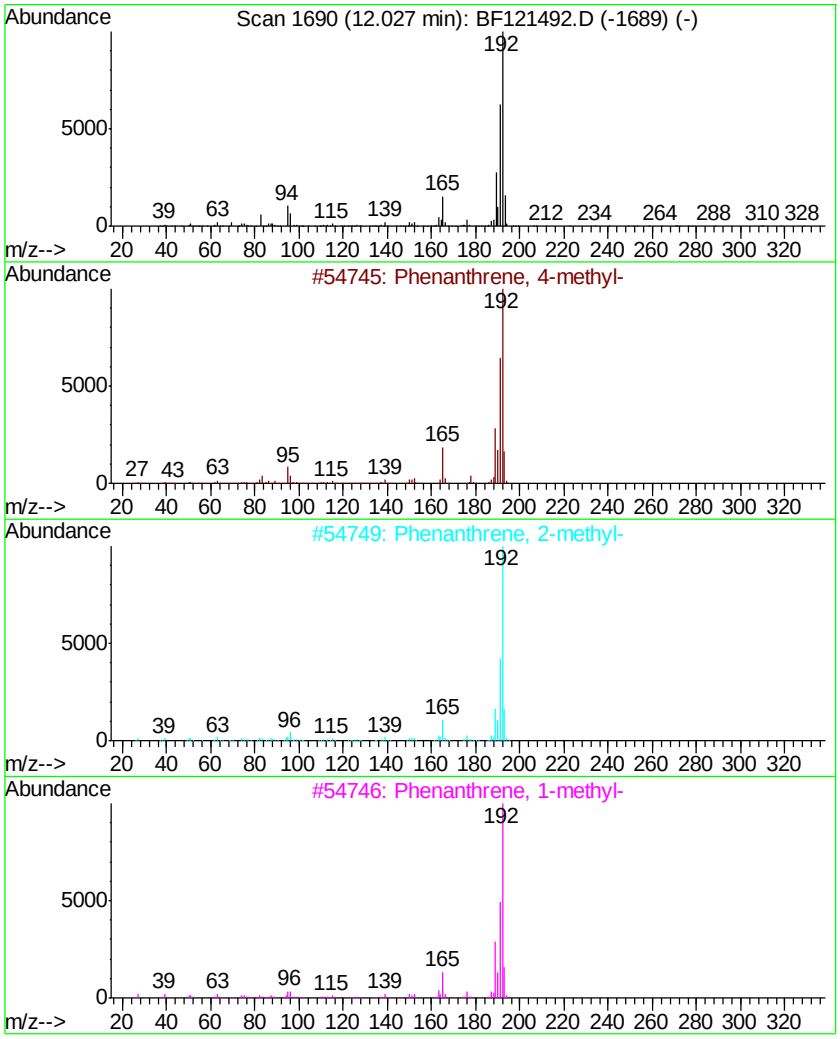
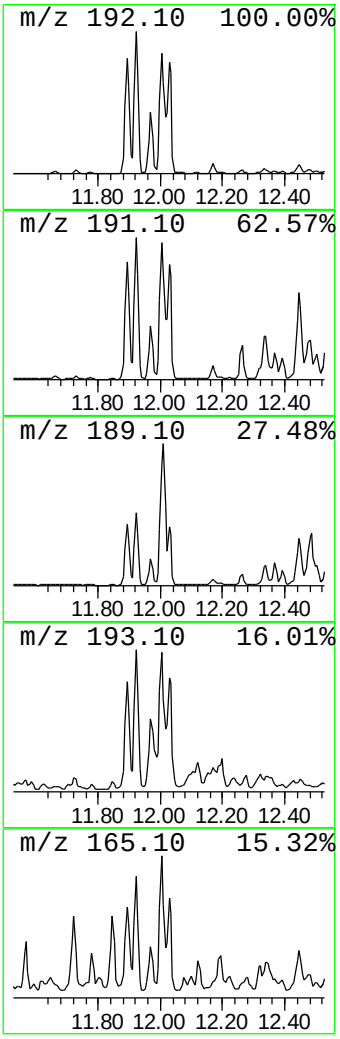
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	27.64 ng	2388930	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





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Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-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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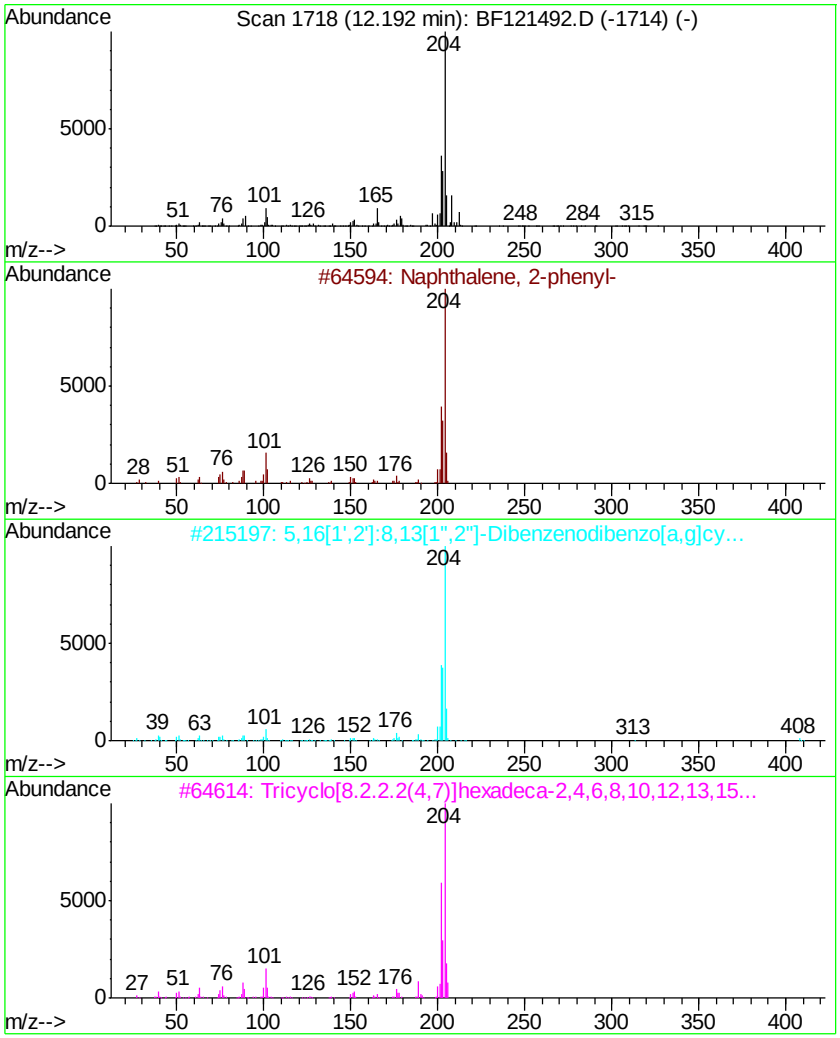
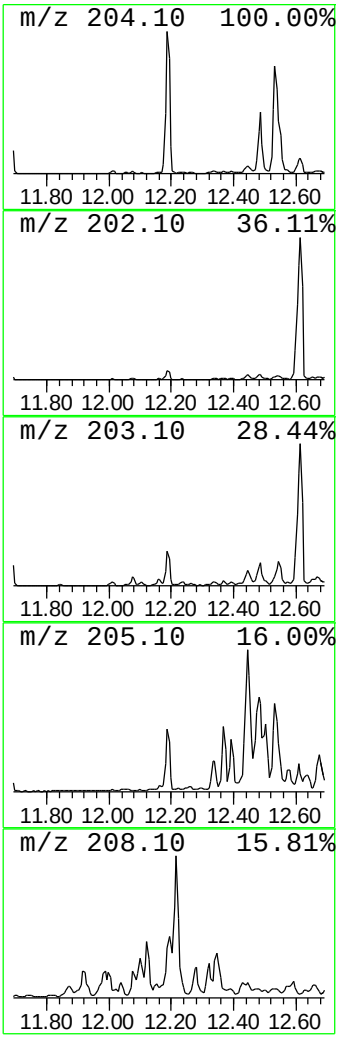
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	22.59 ng	1952740	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





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

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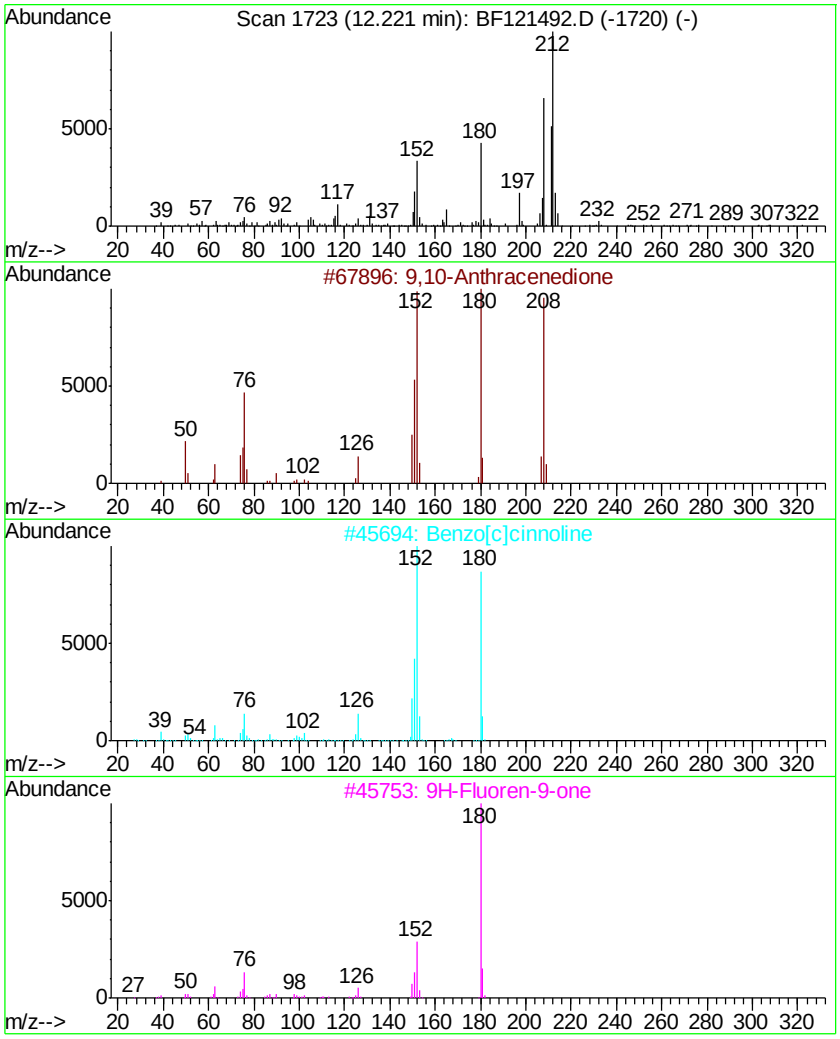
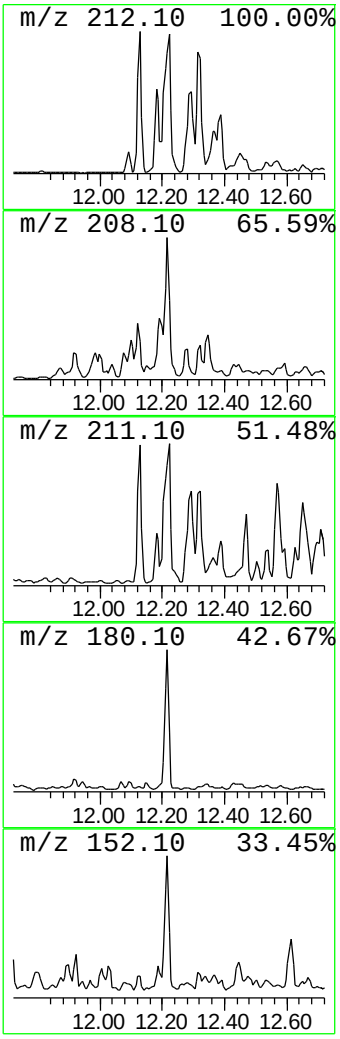
Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	16.44 ng	1421420	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





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

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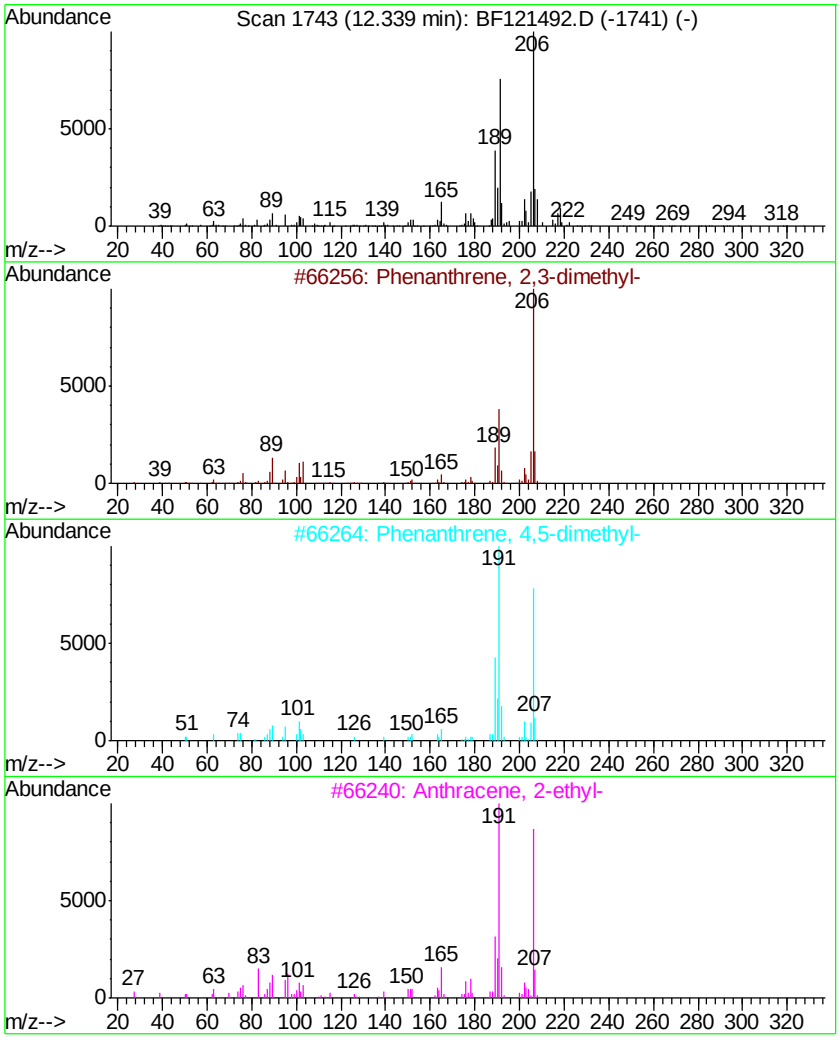
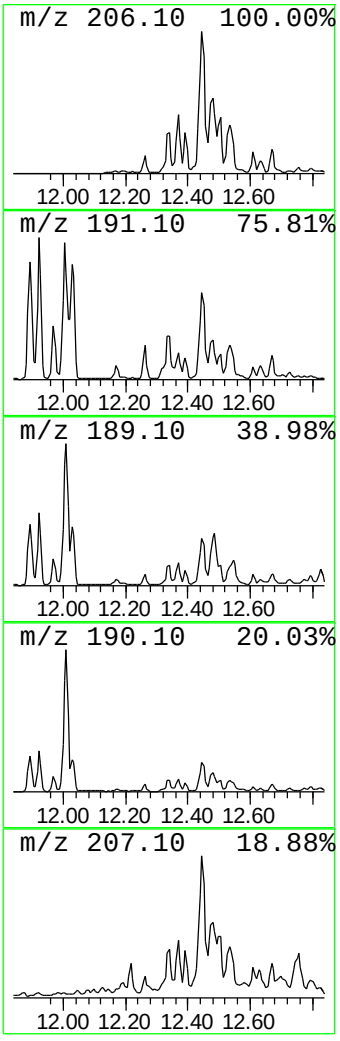
Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	11.27 ng	973781	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	76





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TIC Integration Parameters: LSCINT.P

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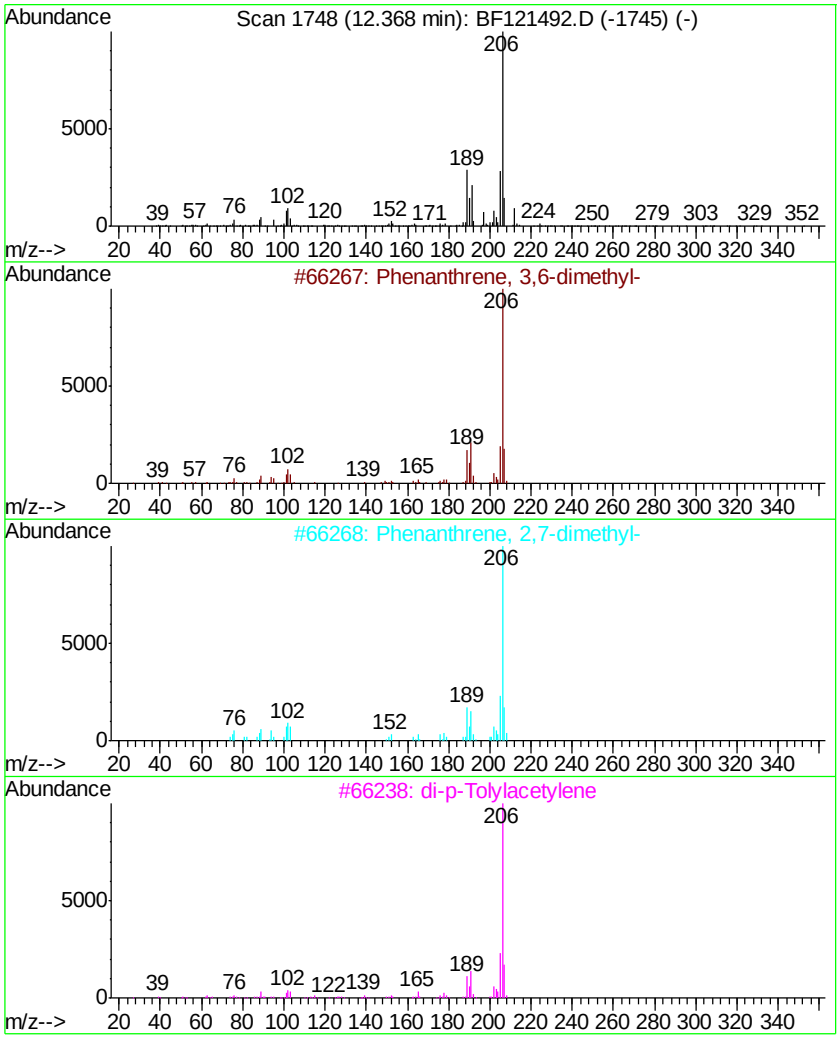
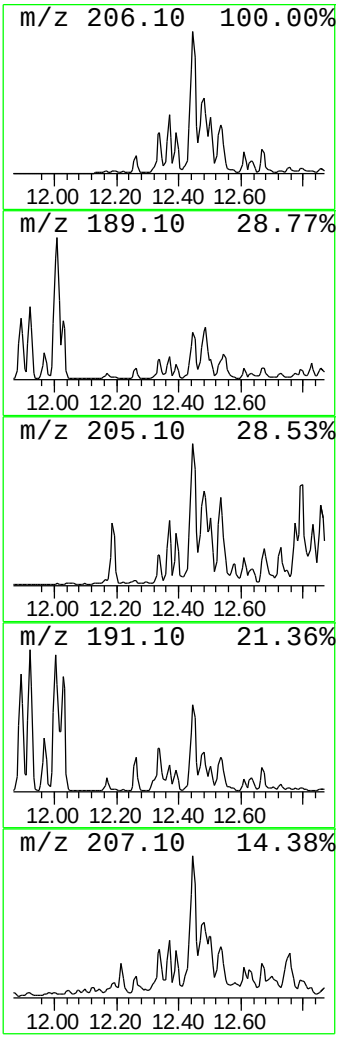
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	12.09 ng	1045100	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64





Library Search Compound Report

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Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-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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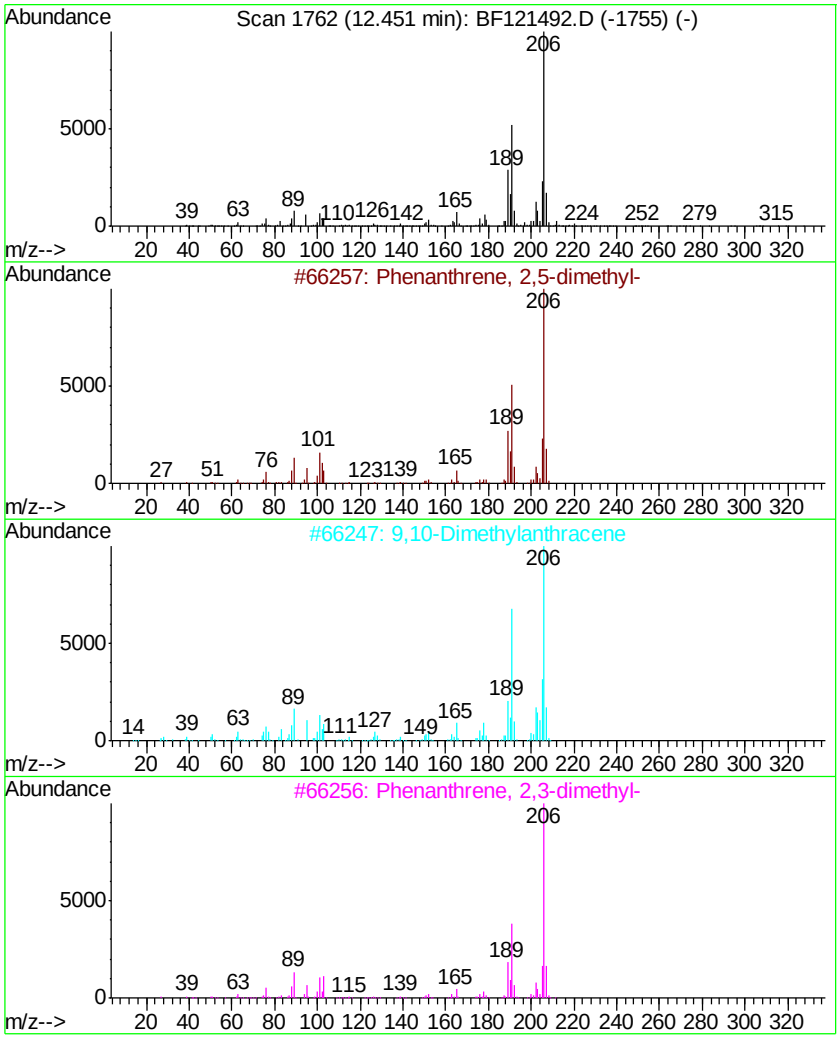
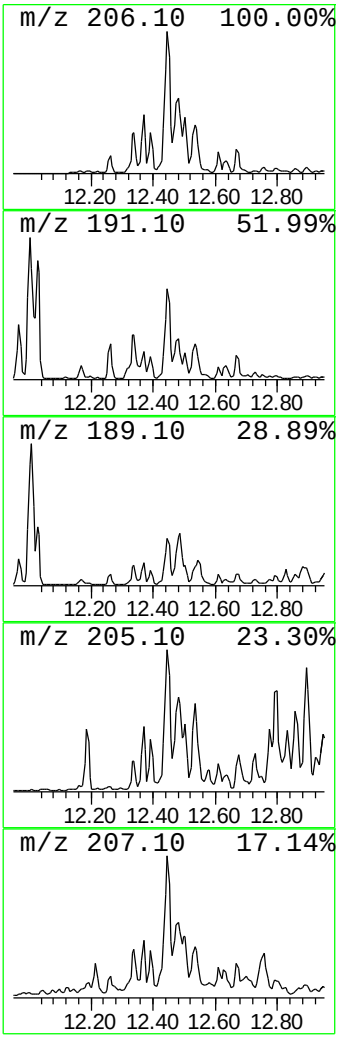
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	55.08 ng	4760970	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	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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

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

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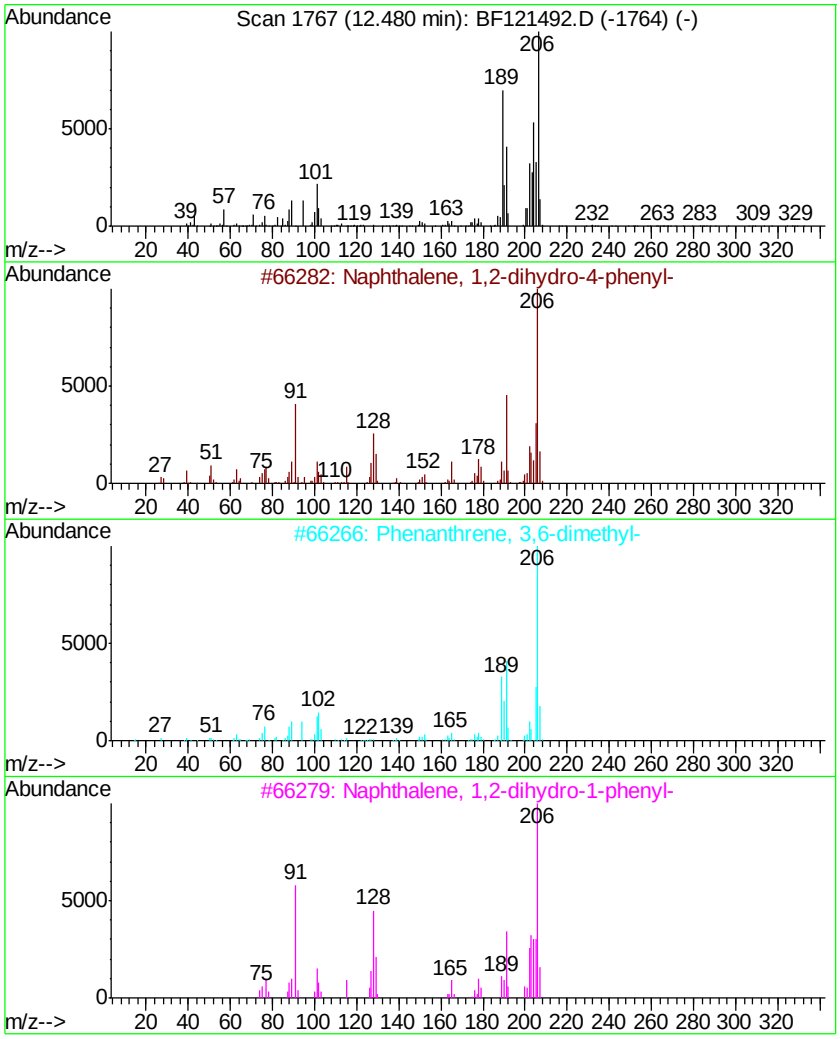
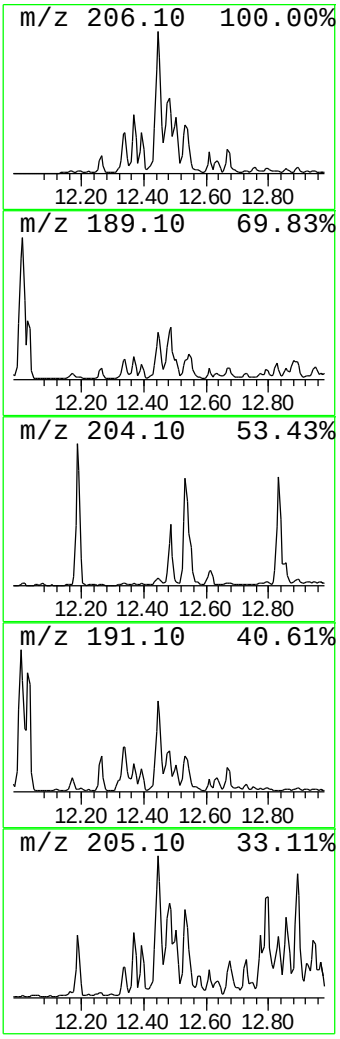
Peak Number 16 unknown12.48 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	35.05 ng	3029490	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	46
4	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	46
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46





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Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-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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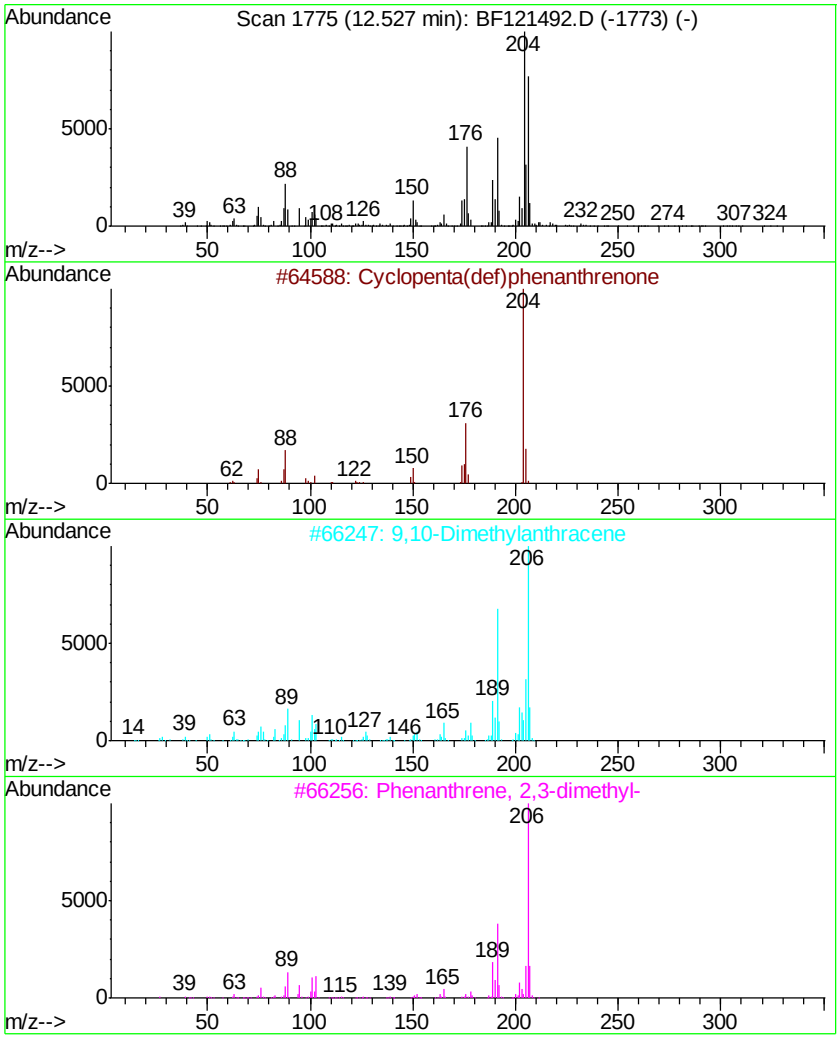
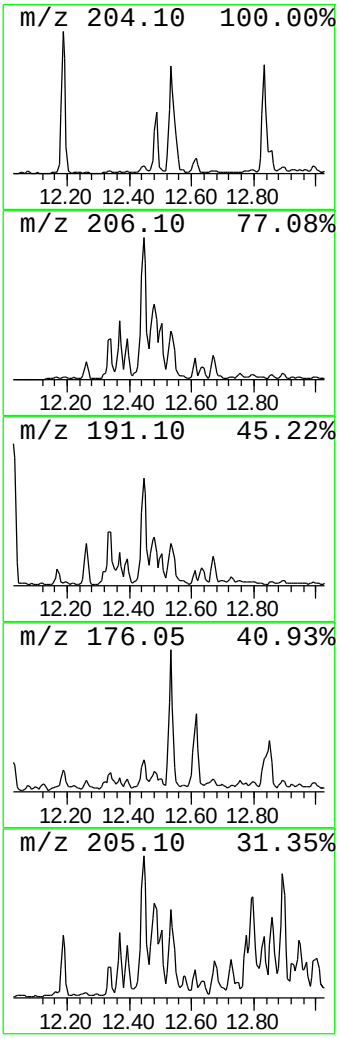
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	35.31 ng	3052370	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	62
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	46
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41





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Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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

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

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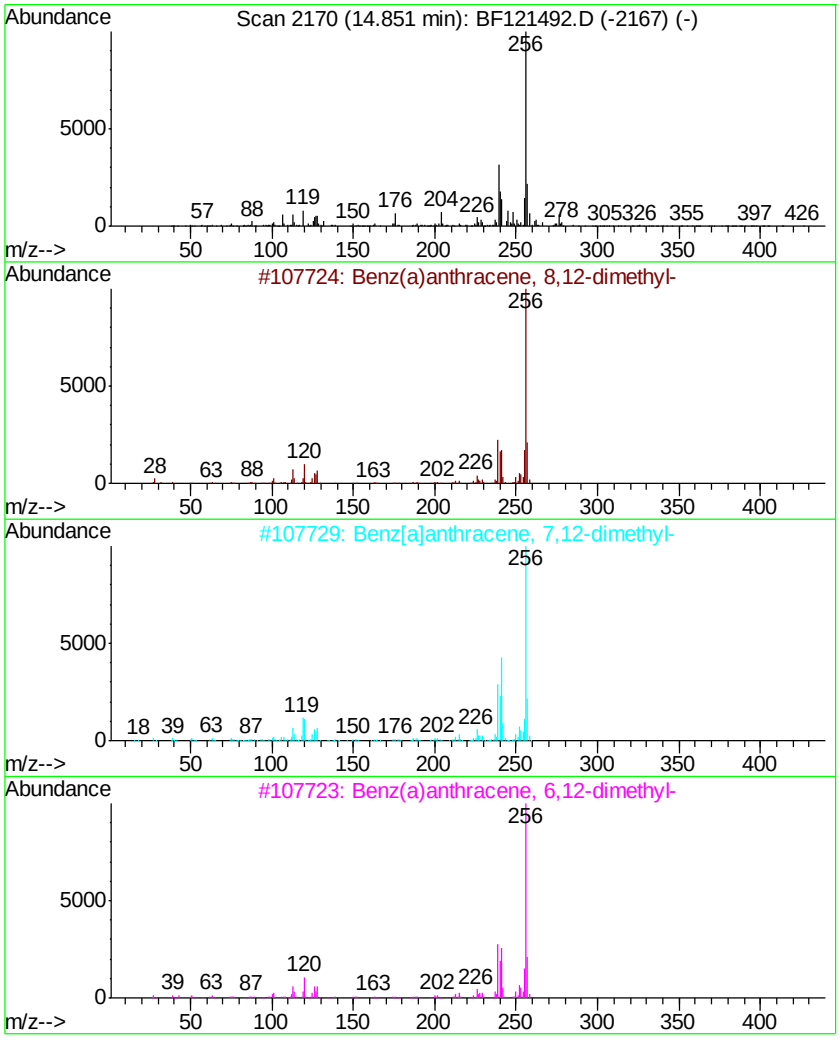
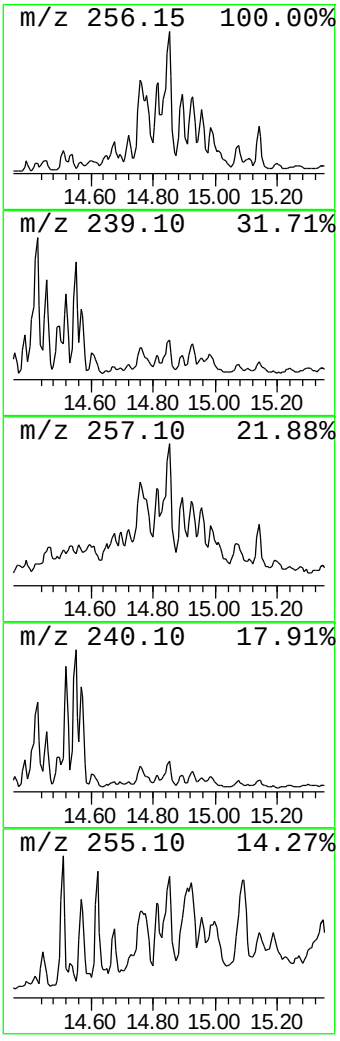
Peak Number 18 Benz(a)anthracene, 8,12-dim... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	13.24 ng	1032090	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	93
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	90
3	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	90
4	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	89
5	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	81





Library Search Compound Report

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Data File : BF121492.D
Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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

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

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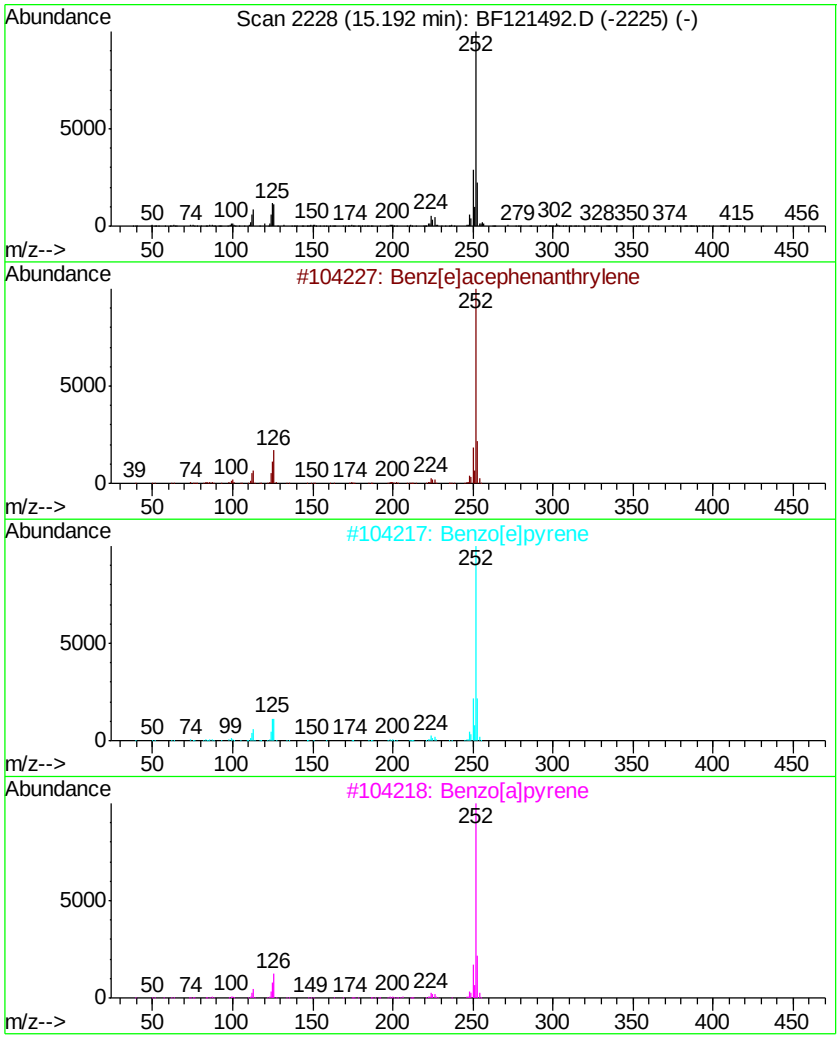
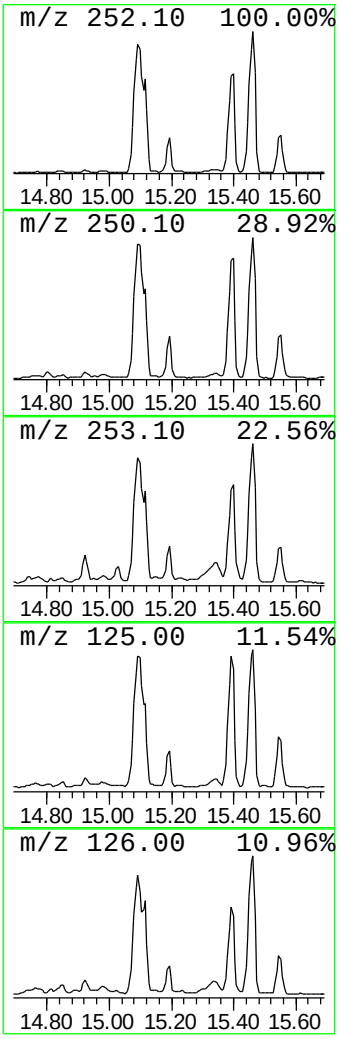
Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	11.67 ng	910071	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Library Search Compound Report

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Data File : BF121492.D
Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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

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

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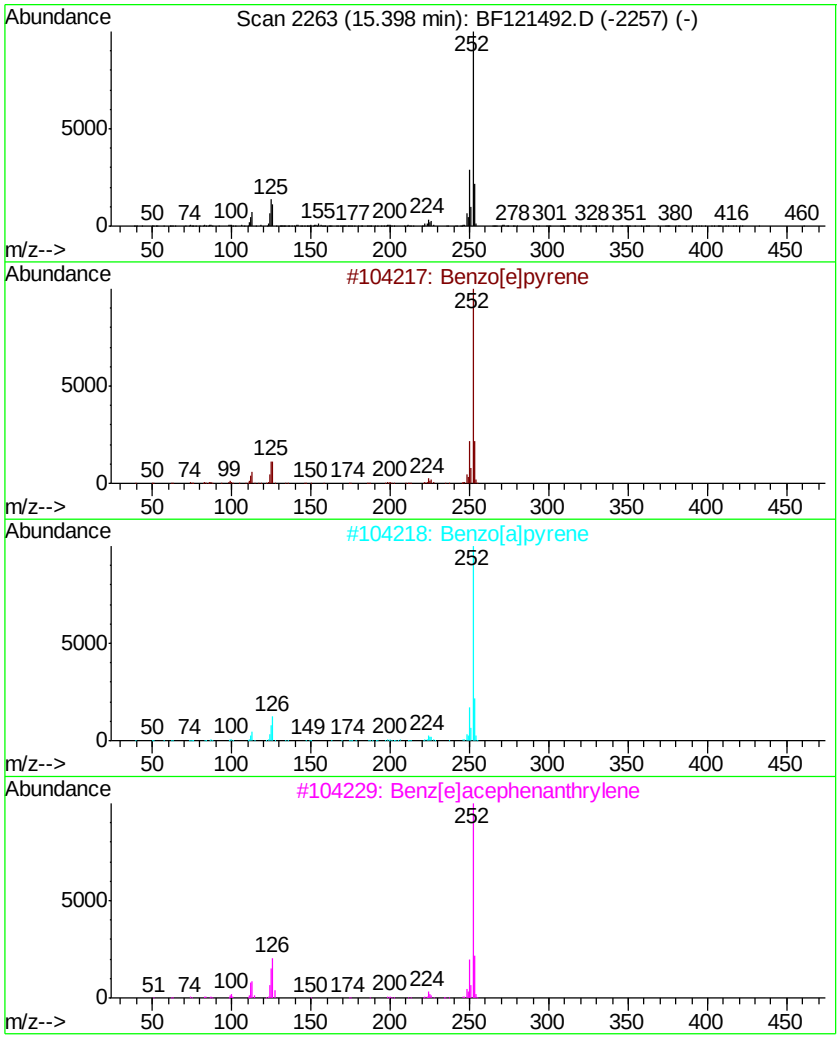
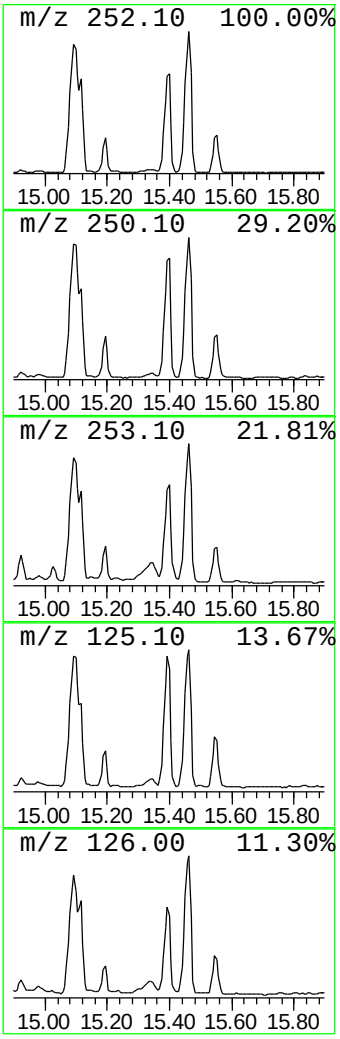
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	53.05 ng	4135990	Perylene-d12	15.52

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	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

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Data File : BF121492.D
Acq On : 31 Aug 2020 22:36
Operator : JU/CG
Sample : L3847-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-08-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
Naphthalene, 2,6-...	9.56	11.1	ng	1277170	3	9.90	2306490	20.0
1,4,5,8-Tetrameth...	10.82	11.1	ng	955596	4	11.39	1728790	20.0
9H-Fluorene, 1-me...	11.00	12.4	ng	1069390	4	11.39	1728790	20.0
Dibenzothiophene	11.29	12.9	ng	1118670	4	11.39	1728790	20.0
Dibenzothiophene,...	11.72	14.8	ng	1281240	4	11.39	1728790	20.0
Anthracene, 2-met...	11.89	41.8	ng	3611160	4	11.39	1728790	20.0
Phenanthrene, 2-m...	11.92	42.0	ng	3629370	4	11.39	1728790	20.0
Anthracene, 1-met...	11.97	20.3	ng	1753280	4	11.39	1728790	20.0
1H-Indene, 2-phenyl-	12.00	73.1	ng	6321930	4	11.39	1728790	20.0
Phenanthrene, 4-m...	12.03	27.6	ng	2388930	4	11.39	1728790	20.0
Naphthalene, 2-ph...	12.19	22.6	ng	1952740	4	11.39	1728790	20.0
9,10-Anthracenedione	12.22	16.4	ng	1421420	4	11.39	1728790	20.0
Phenanthrene, 2,3...	12.34	11.3	ng	973781	4	11.39	1728790	20.0
Phenanthrene, 3,6...	12.37	12.1	ng	1045100	4	11.39	1728790	20.0
Phenanthrene, 2,5...	12.45	55.1	ng	4760970	4	11.39	1728790	20.0
unknown12.48	12.48	35.0	ng	3029490	4	11.39	1728790	20.0
Cyclopenta(def)ph...	12.53	35.3	ng	3052370	4	11.39	1728790	20.0
Benz(a)anthracene...	14.85	13.2	ng	1032090	6	15.52	1559360	20.0
Benzo[e]pyrene	15.19	11.7	ng	910071	6	15.52	1559360	20.0
Perylene	15.40	53.0	ng	4135990	6	15.52	1559360	20.0