LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

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-BF071620.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	5.416	563	566	578	rVB	628191	631076	37.10%	2.623%
2	6.440	737	740	752	rBV	641727	647605	38.07%	2.692%
3	6.640	770	774	779	rBV3	33099	38381	2.26%	0.160%
4	6.804	799	802	806	rBV	957225	841809	49.49%	3.499%
5	7.069	844	847	852	rBV2	25622	32463	1.91%	0.135%
6	7.363	894	897	902	rVB	381446	340786	20.04%	1.417%
7	7.839	974	978	982	rBV5	17657	30086	1.77%	0.125%
8	8.092	1015	1021	1023	rBV	1225164	1084416	63.75%	4.508%
9	8.110	1023	1024	1027	rVV	175561	124070	7.29%	0.516%
10	8.151	1027	1031	1034	rVV2	32550	47507	2.79%	0.197%
11	8.510	1089	1092	1094	rBV	32383	30536	1.80%	0.127%
12	8.681	1118	1121	1124	rBV2	39708	36321	2.14%	0.151%
13	8.804	1139	1142	1145	rVB	141238	107209	6.30%	0.446%
14	8.904	1155	1159	1163	rVB	115835	106997	6.29%	0.445%
15	9.110	1191	1194	1199	rVV3	55421	47521	2.79%	0.198%
16	9.163	1200	1203	1208	rVB	995884	772667	45.43%	3.212%
17	9.245	1214	1217	1219	rBV2	76797	71208	4.19%	0.296%
18	9.363	1234	1237	1242	rVB	46131	50649	2.98%	0.211%
19	9.433	1244	1249	1252	rBV	88795	121123	7.12%	0.503%
20	9.504	1258	1261	1263	rBV	137806	125704	7.39%	0.523%
21	9.528	1263	1265	1267	rVV	90280	73984	4.35%	0.308%
22	9.557	1267	1270	1274	rVV2	184958	217710	12.80%	0.905%
23	9.622	1278	1281	1286	rVB	80004	85266	5.01%	0.354%
24	9.704	1292	1295	1299	rBV	221861	180231	10.60%	0.749%
25	9.775	1305	1307	1309	rVV	55201	40625	2.39%	0.169%
26	9.845	1312	1319	1322	rBV	1417808	1163936	68.43%	4.838%
27	9.875	1322	1324	1328	rVV	197738	183398	10.78%	0.762%
28	9.910	1328	1330	1334	rVB4	30845	30231	1.78%	0.126%
29	9.951	1334	1337	1341	rBV2	52468	70788	4.16%	0.294%
30	9.998	1341	1345	1348	rBV3	32085	54465	3.20%	0.226%
31	10.045	1349	1353	1357	rVV	134674	140821	8.28%	0.585%
32	10.086	1357	1360	1369	rVB3	92856	109658	6.45%	0.456%
33	10.157	1369	1372	1375	rBV2	85850	102435	6.02%	0.426%
34	10.186	1375	1377	1380	rVV	49415	44802	2.63%	0.186%

LSC Area Percent Report

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Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.251	1384	1388	1390	rBV2	68787	84757	4.98%	0.352%
36	10.275	1390	1392	1394	rVB2	73972	58028	3.41%	0.241%
37	10.298	1394	1396	1399	rBV	41375	33233	1.95%	0.138%
38	10.392	1409	1412	1418	rVV	210438	221283	13.01%	0.920%
39	10.457	1418	1423	1425	rVV2	54606	62393	3.67%	0.259%
40	10.480	1425	1427	1428	rVV2	41240	40052	2.35%	0.166%
41	10.498	1428	1430	1435	rVV2	78987	88442	5.20%	0.368%
42	10.545	1435	1438	1442	rVB2	58825	67350	3.96%	0.280%
43	10.633	1447	1453	1457	rBV	462286	431307	25.36%	1.793%
44	10.757	1469	1474	1478	rBV2	166632	212395	12.49%	0.883%
45	10.816	1481	1484	1486	rBV	84105	90456	5.32%	0.376%
46	10.851	1487	1490	1492	rVV2	68699	79049	4.65%	0.329%
47	10.880	1492	1495	1497	rVV	65952	53653	3.15%	0.223%
48	10.904	1497	1499	1501	rVB2	42743	29633	1.74%	0.123%
49	10.939	1501	1505	1507	rBV2	98925	115879	6.81%	0.482%
50	10.969	1507	1510	1512	rVV2	63934	60596	3.56%	0.252%
51	10.992	1512	1514	1517	rVB3	64006	55928	3.29%	0.232%
52	11.027	1517	1520	1523	rBV2	85597	72782	4.28%	0.303%
53	11.133	1536	1538	1542	rVB3	46271	44264	2.60%	0.184%
54	11.192	1546	1548	1551	rVV	68643	80126	4.71%	0.333%
55	11.227	1551	1554	1558	rVB	168397	161677	9.51%	0.672%
56	11.333	1568	1572	1574	rBV	1049518	1093048	64.26%	4.544%
57	11.357	1574	1576	1579	rVV	978650	797581	46.89%	3.315%
58	11.404	1582	1584	1587	rVB	410088	312428	18.37%	1.299%
59	11.439	1587	1590	1593	rBV2	75811	88220	5.19%	0.367%
60	11.563	1608	1611	1618	rVB	79634	95567	5.62%	0.397%
61	11.622	1618	1621	1624	rVB	89131	79936	4.70%	0.332%
62	11.663	1625	1628	1633	rVB2	87014	89115	5.24%	0.370%
63	11.745	1640	1642	1645	rVB	57259	50943	3.00%	0.212%
64	11.833	1654	1657	1659	rBV	231138	200940	11.81%	0.835%
65	11.863	1659	1662	1665	rVB	274189	251413	14.78%	1.045%
66	11.904	1667	1669	1672	rVV	118445	109456	6.44%	0.455%
67	11.945	1672	1676	1678	rVV2	391270	415784	24.44%	1.728%
68	11.969	1678	1680	1684	rVB	168489	143717	8.45%	0.597%
69	12.027	1688	1690	1694	rVV2	57345	56620	3.33%	0.235%
70	12.063	1694	1696	1699	rVB2	47790	42776	2.51%	0.178%
71	12.127	1704	1707	1709	rVV	161885	140852	8.28%	0.586%

LSC Area Percent Report

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Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.157	1709	1712	1715	rVB2	67360	78218	4.60%	0.325%
73	12.257	1727	1729	1731	rBV	48815	53110	3.12%	0.221%
74	12.274	1731	1732	1735	rVB	68093	45947	2.70%	0.191%
75	12.310	1735	1738	1740	rBV	94822	88927	5.23%	0.370%
76	12.333	1740	1742	1744	rVB2	70392	54550	3.21%	0.227%
77	12.380	1747	1750	1753	rBV	212409	226640	13.32%	0.942%
78	12.422	1753	1757	1762	rVB3	172386	299361	17.60%	1.244%
79	12.469	1762	1765	1770	rBV2	129220	167352	9.84%	0.696%
80	12.545	1774	1778	1781	rBV	1556106	1301178	76.50%	5.409%
81	12.586	1783	1785	1787	rBV	48649	40737	2.40%	0.169%
82	12.639	1791	1794	1797	rBV2	98864	96500	5.67%	0.401%
83	12.698	1801	1804	1807	rBV3	70744	81433	4.79%	0.339%
84	12.774	1811	1817	1820	rBV	1616464	1655897	97.35%	6.883%
85	12.892	1834	1837	1838	rBV2	69804	70586	4.15%	0.293%
86	12.916	1838	1841	1848	rVB	779613	809427	47.59%	3.365%
87	12.992	1851	1854	1857	rVV	95918	121748	7.16%	0.506%
88	13.080	1866	1869	1870	rBV4	88797	104008	6.11%	0.432%
89	13.098	1870	1872	1875	rVB	284494	252590	14.85%	1.050%
90	13.145	1878	1880	1881	rBV2	69797	53385	3.14%	0.222%
91	13.169	1881	1884	1886	rVB	192557	166581	9.79%	0.692%
92	13.204	1887	1890	1893	rBV2	186486	173563	10.20%	0.721%
93	13.298	1903	1906	1908	rBV	121550	93874	5.52%	0.390%
94	13.327	1908	1911	1914	rBV	136279	129675	7.62%	0.539%
95	13.816	1992	1994	1999	rVB2	127051	133321	7.84%	0.554%
96	13.968	2015	2020	2023	rBV2	1261386	1700916	100.00%	7.071%
97	13.998	2023	2025	2028	rVB	620832	458295	26.94%	1.905%
98	15.004	2193	2196	2199	rBV	407864	548857	32.27%	2.282%
99	15.363	2254	2257	2262	rVB	363337	423797	24.92%	1.762%
100	15.427	2264	2268	2271	rBV	579902	727590	42.78%	3.025%

Sum of corrected areas: 24056226

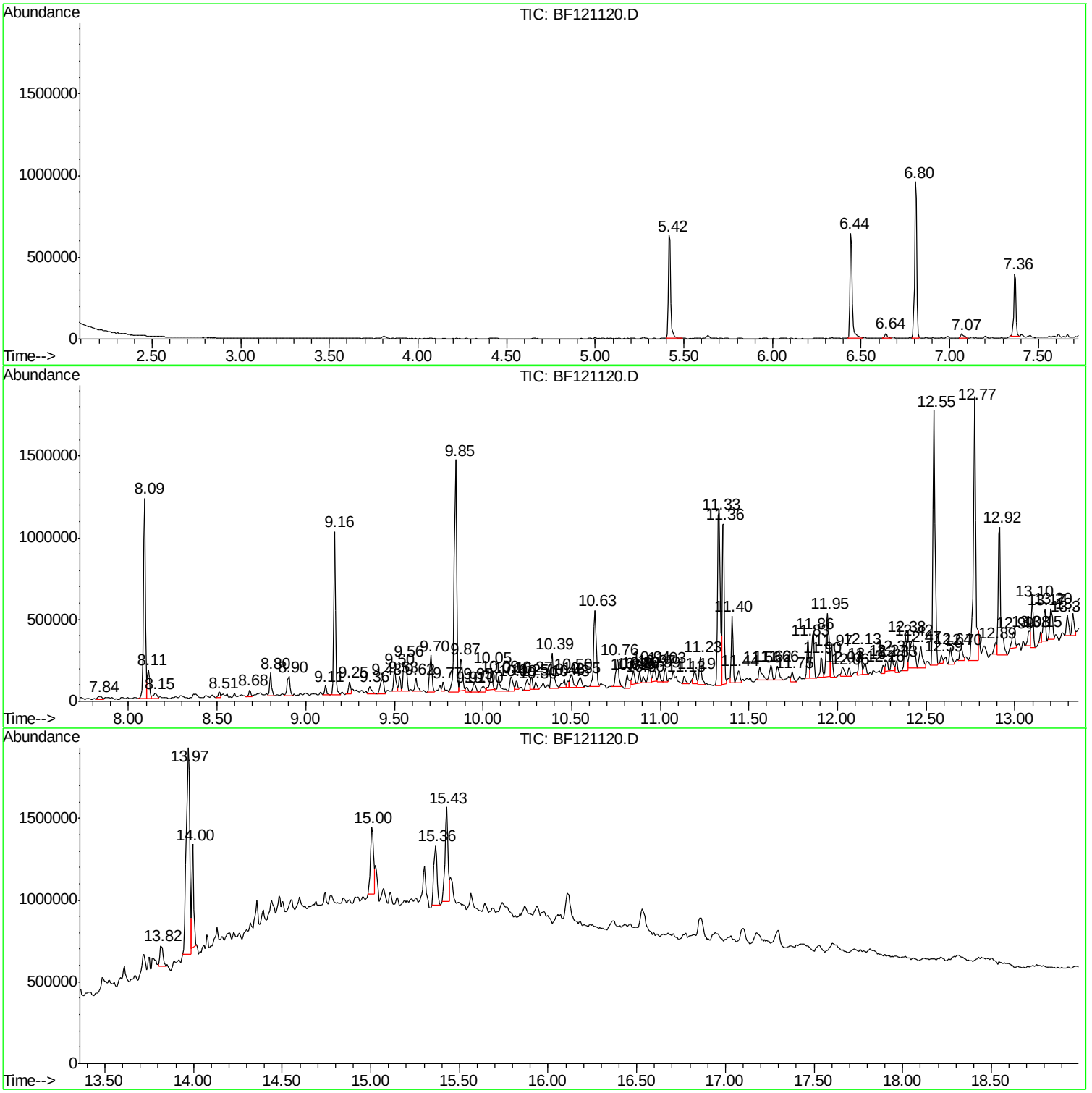
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

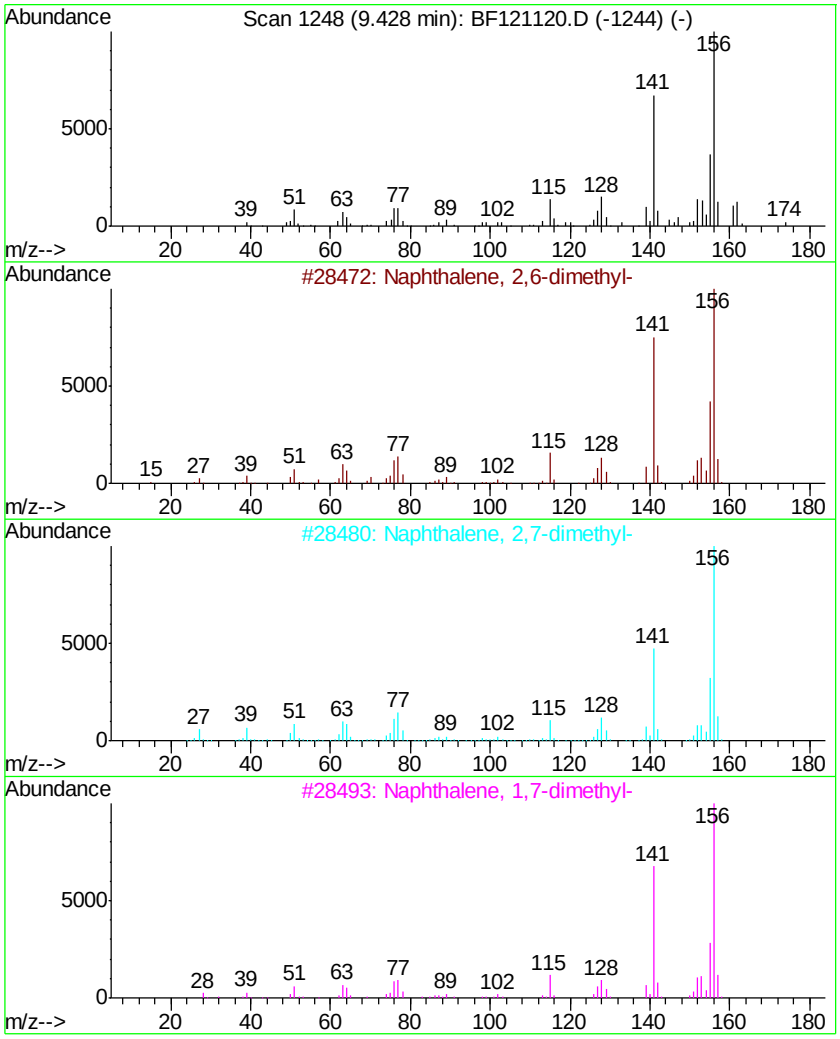
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

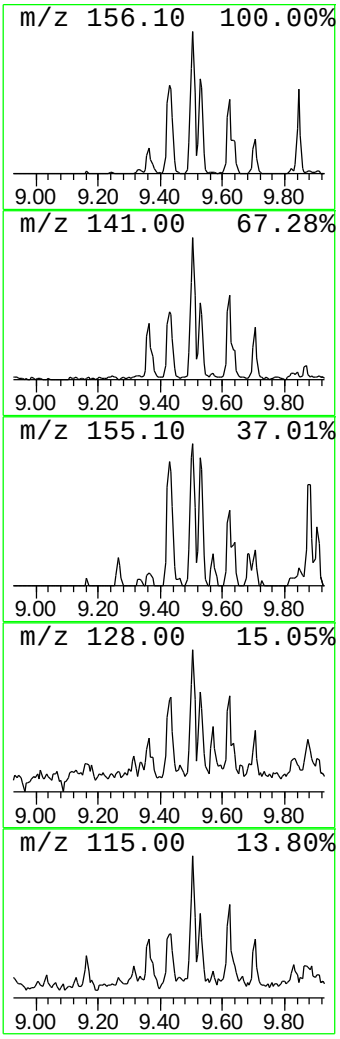
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	2.08 ng	121123	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

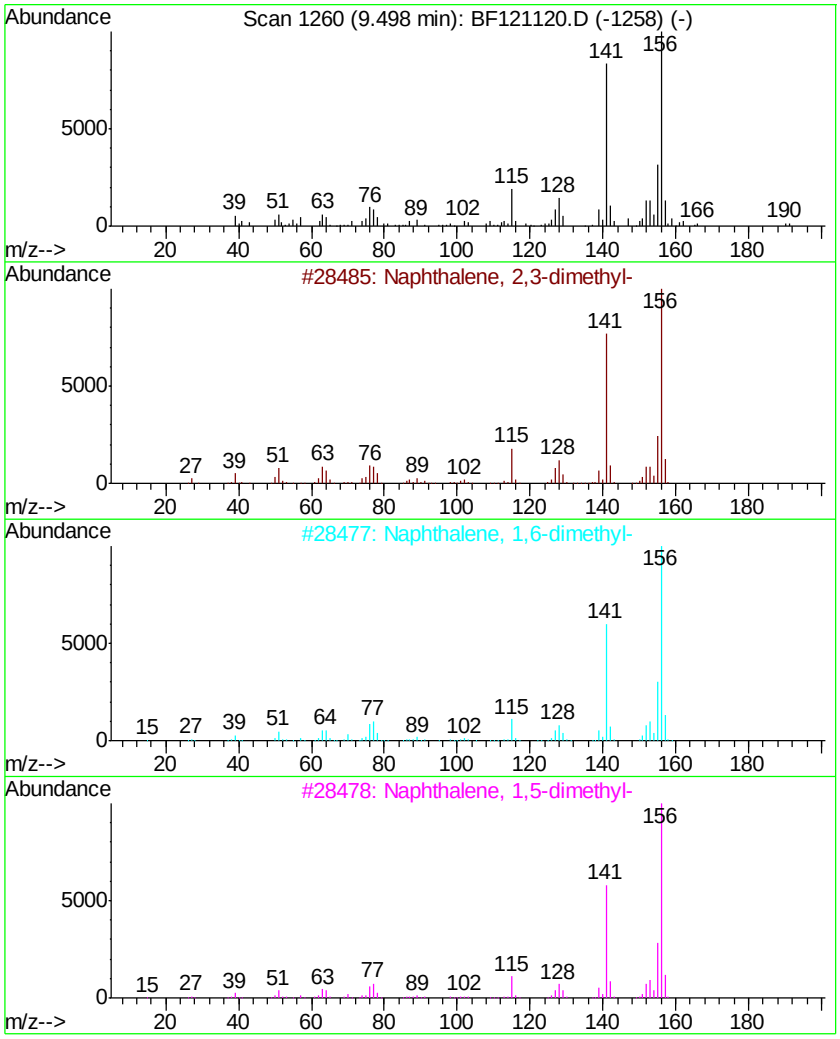
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

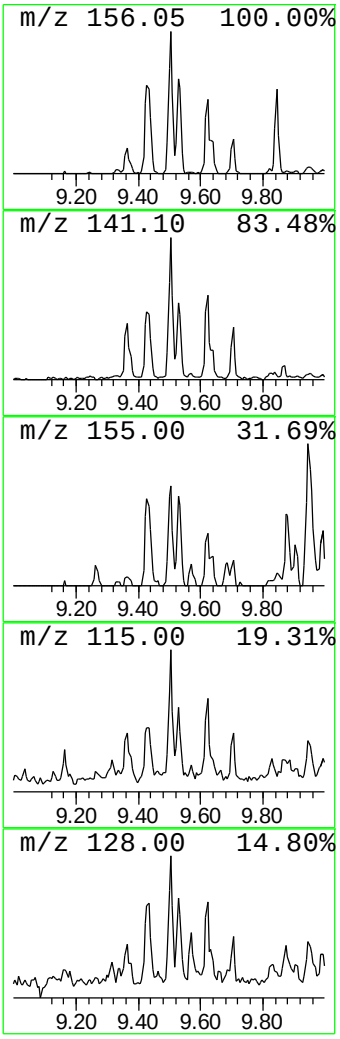
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	2.16 ng	125704	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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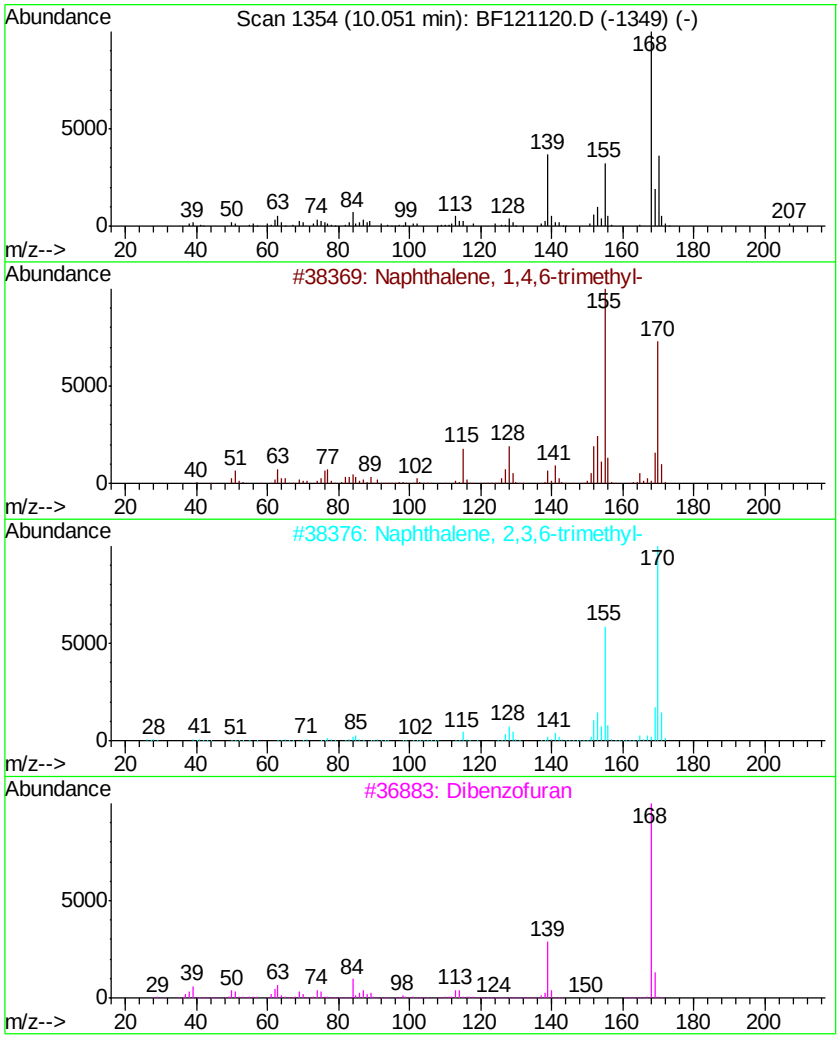
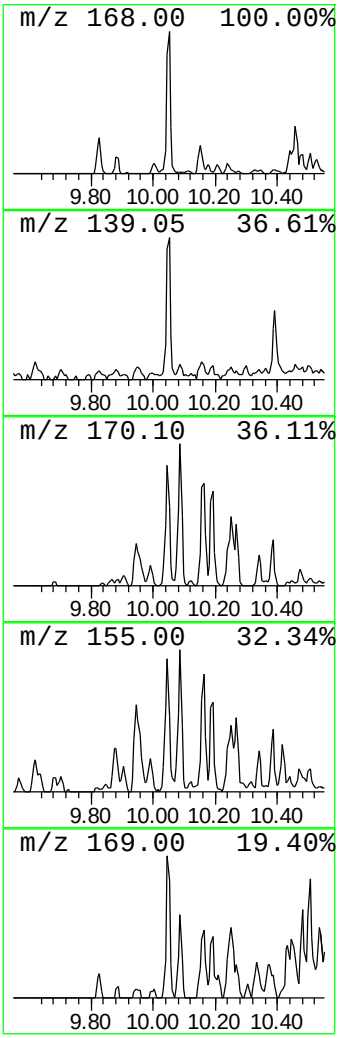
Peak Number 3 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	2.42 ng	140821	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
3	Dibenzofuran	168	C12H8O	000132-64-9	45
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	42
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

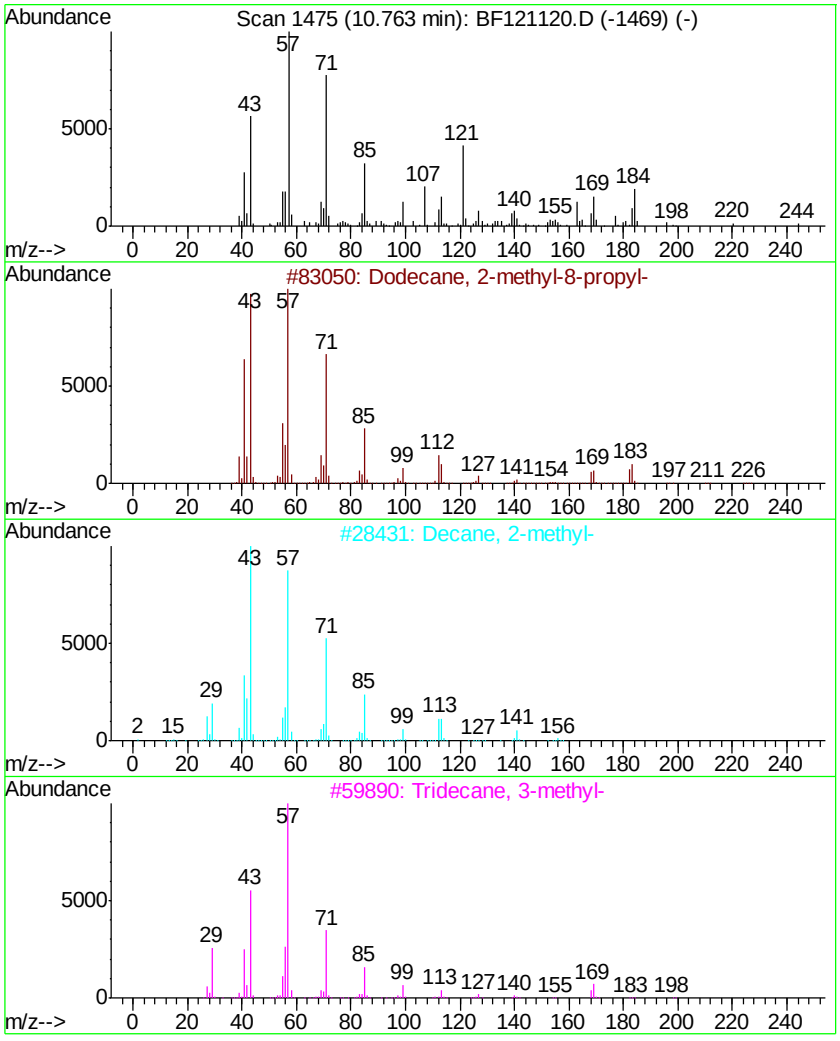
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

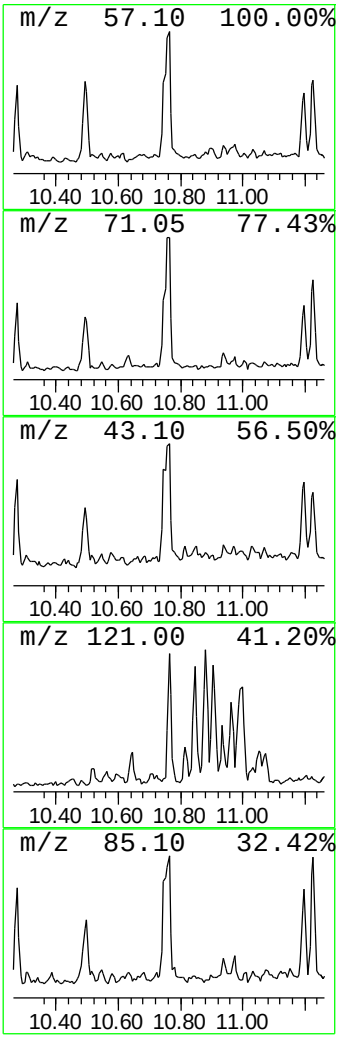
****

Peak Number 4 unknown10.76 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.89 ng	212395	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	49
2	Decane, 2-methyl-	156	C11H24	006975-98-0	46
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	38
5	Sulfurous acid, nonyl pentyl ester	278	C14H30O3S	1000309-14-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

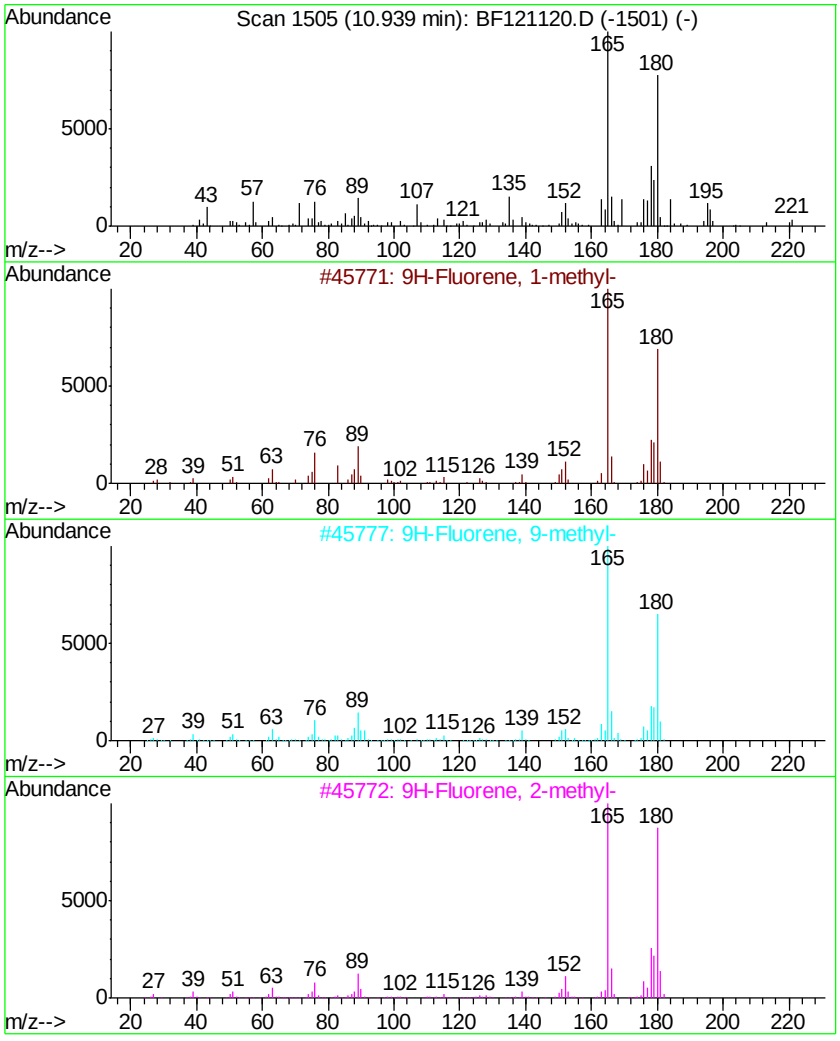
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

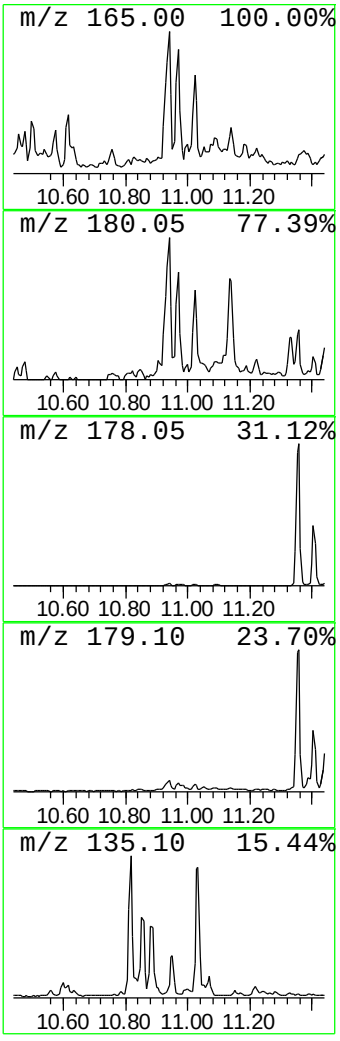
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	2.12 ng	115879	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	62
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	52





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Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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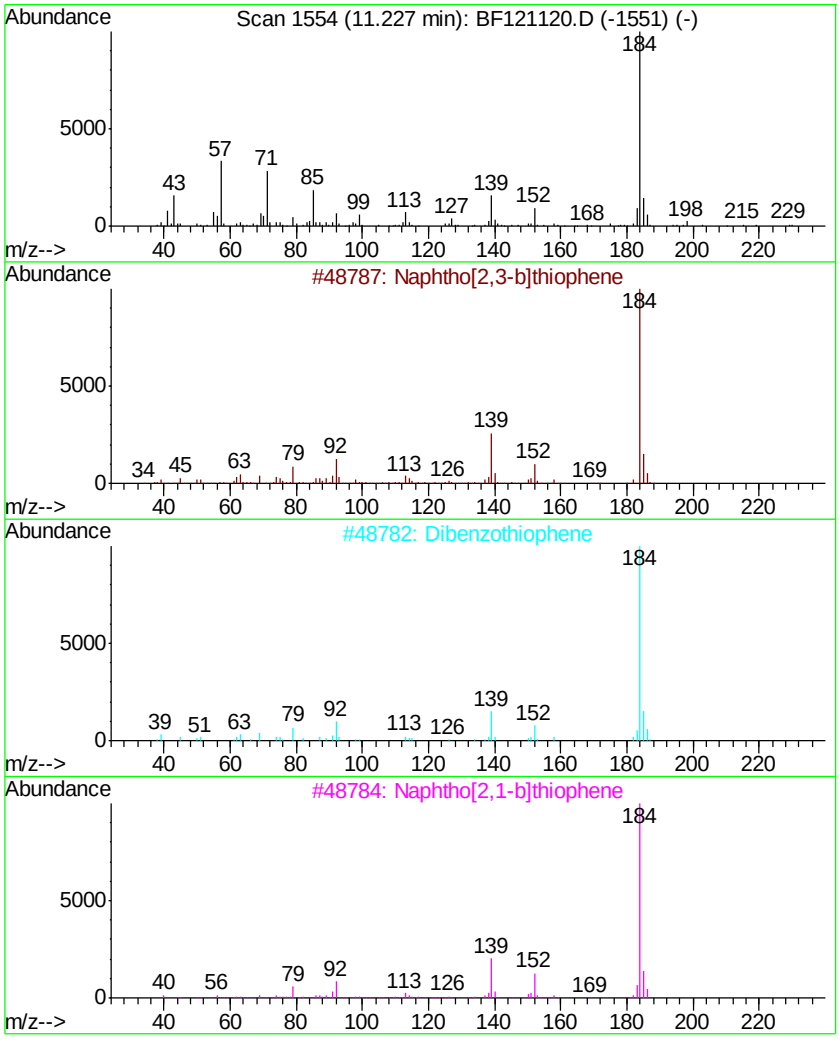
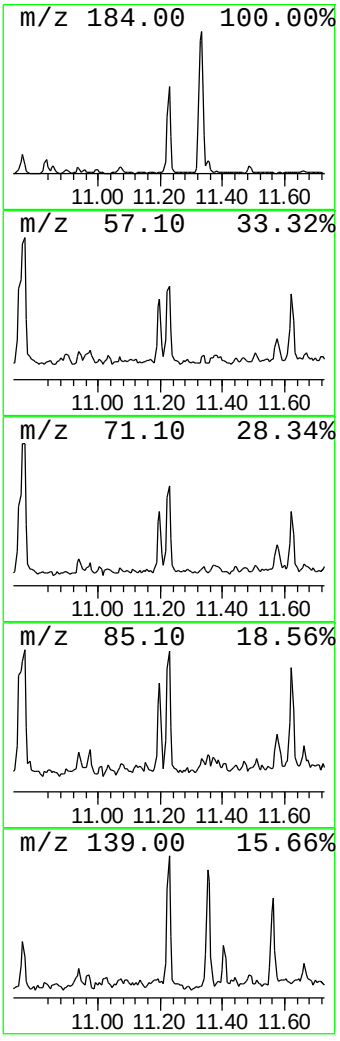
Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.96 ng	161677	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	92
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	89
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	68
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	58





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Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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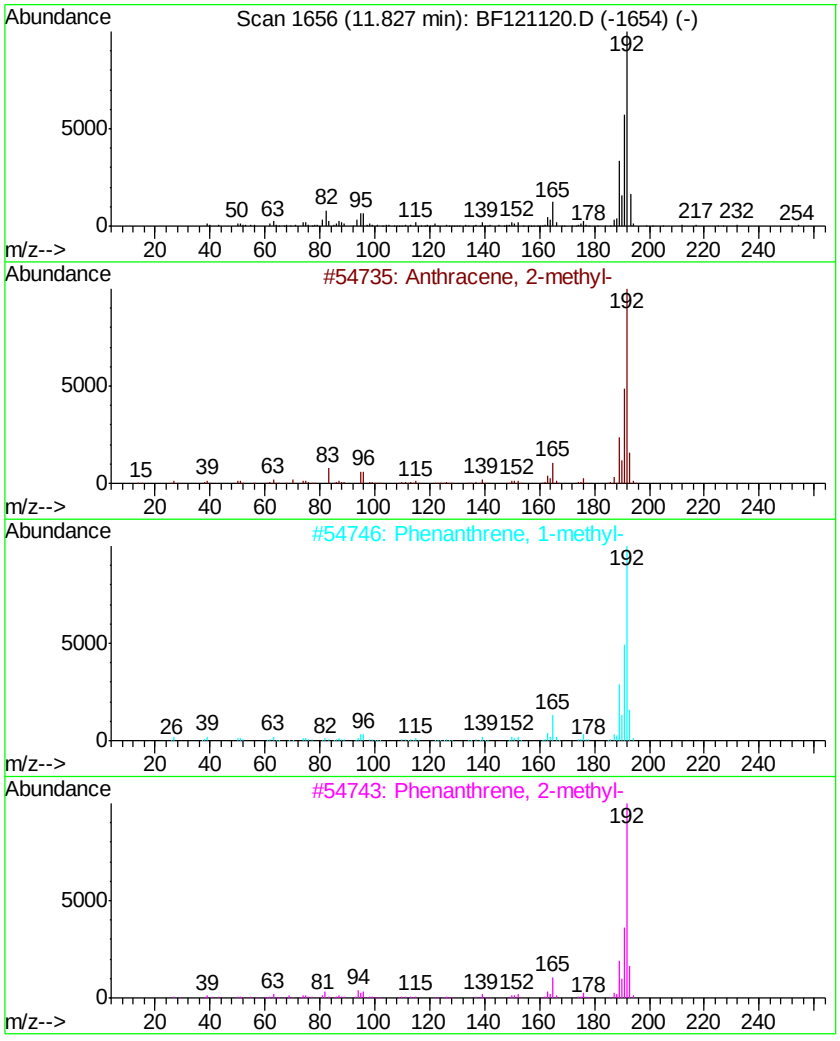
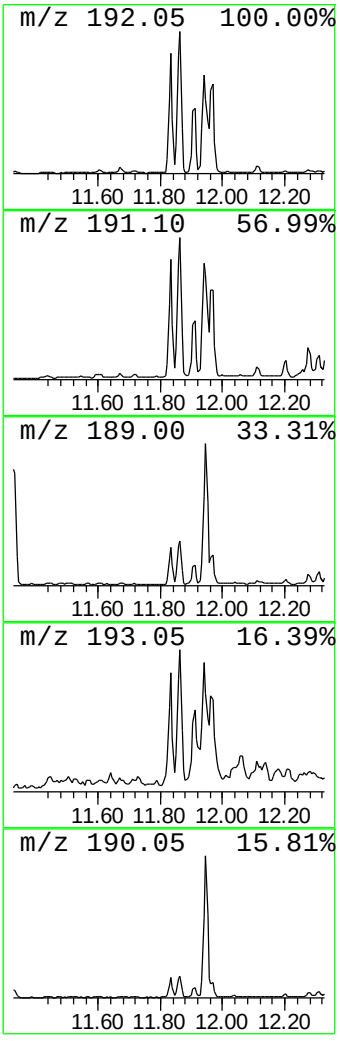
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.68 ng	200940	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

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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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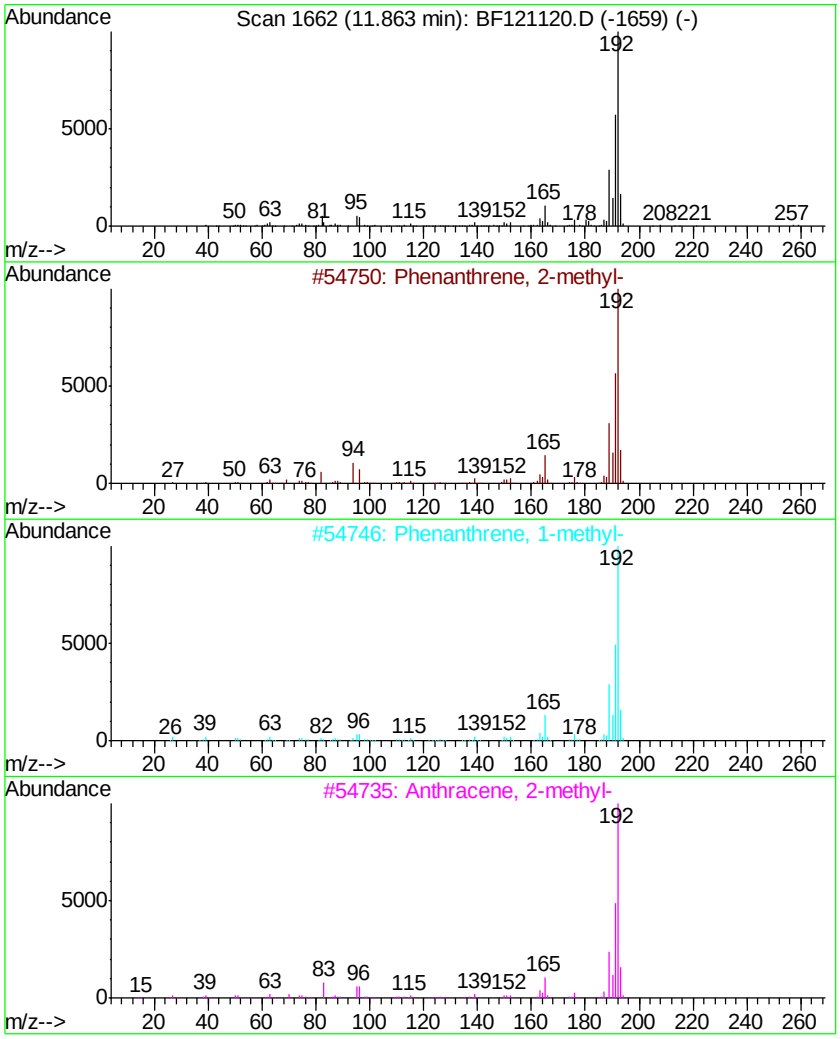
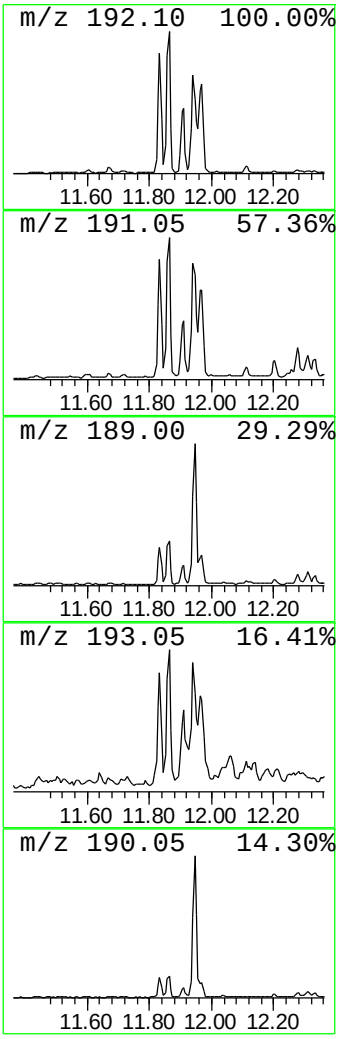
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.60 ng	251413	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

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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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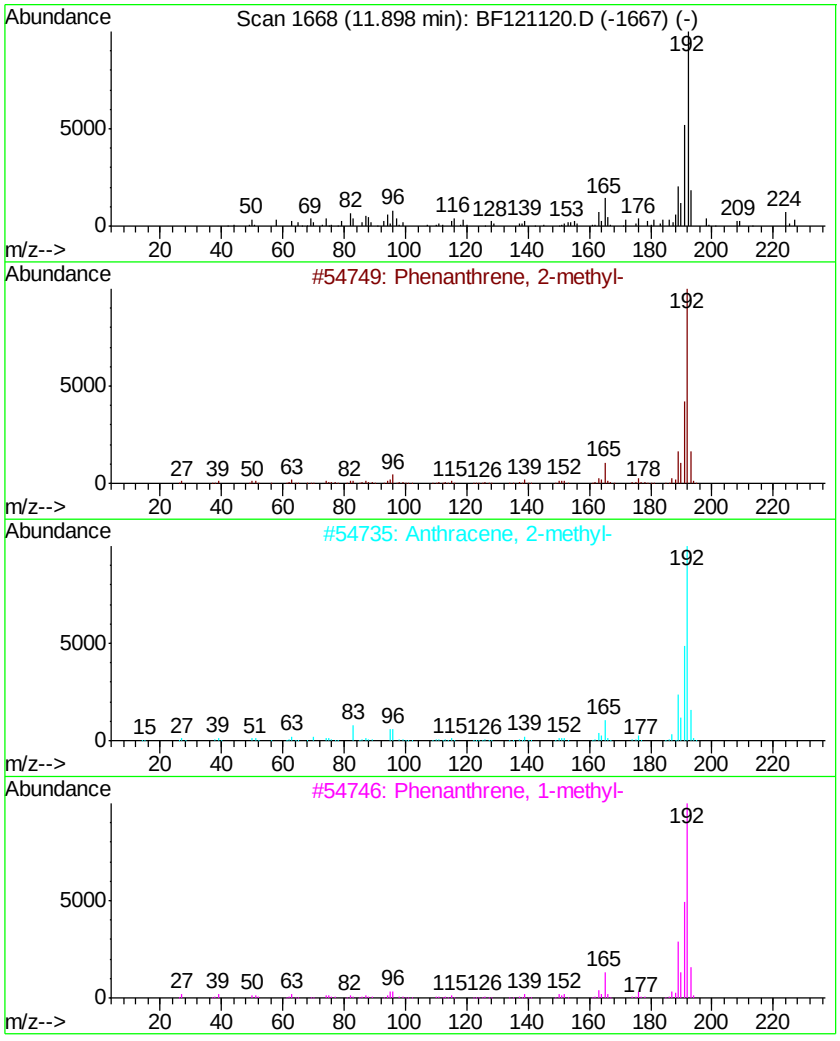
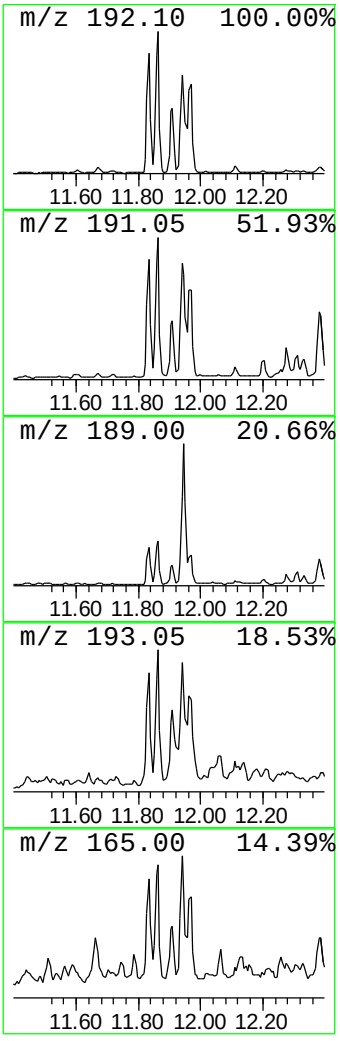
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.00 ng	109456	Phenanthrene-d10	11.33

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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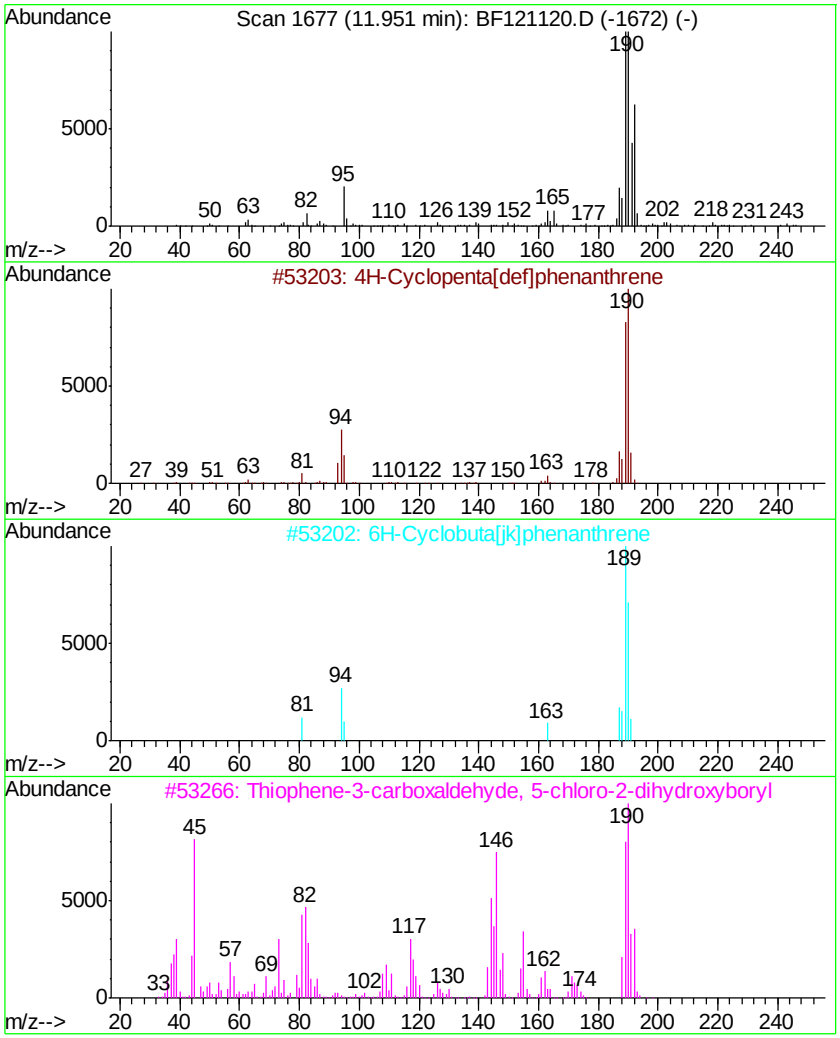
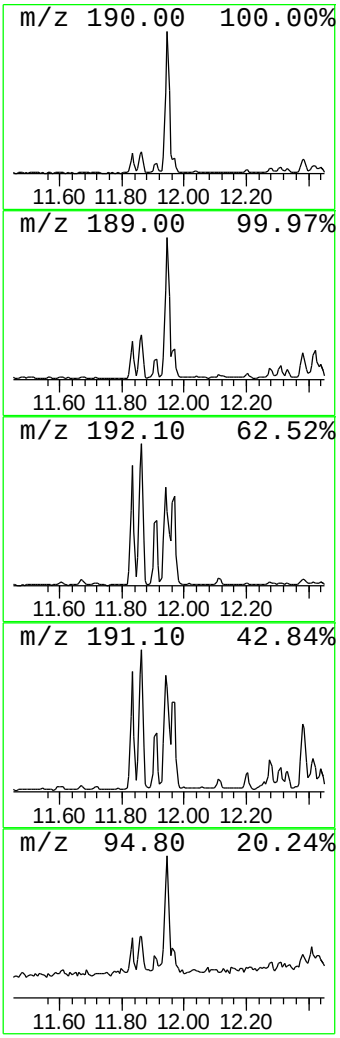
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	7.61 ng	415784	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22





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Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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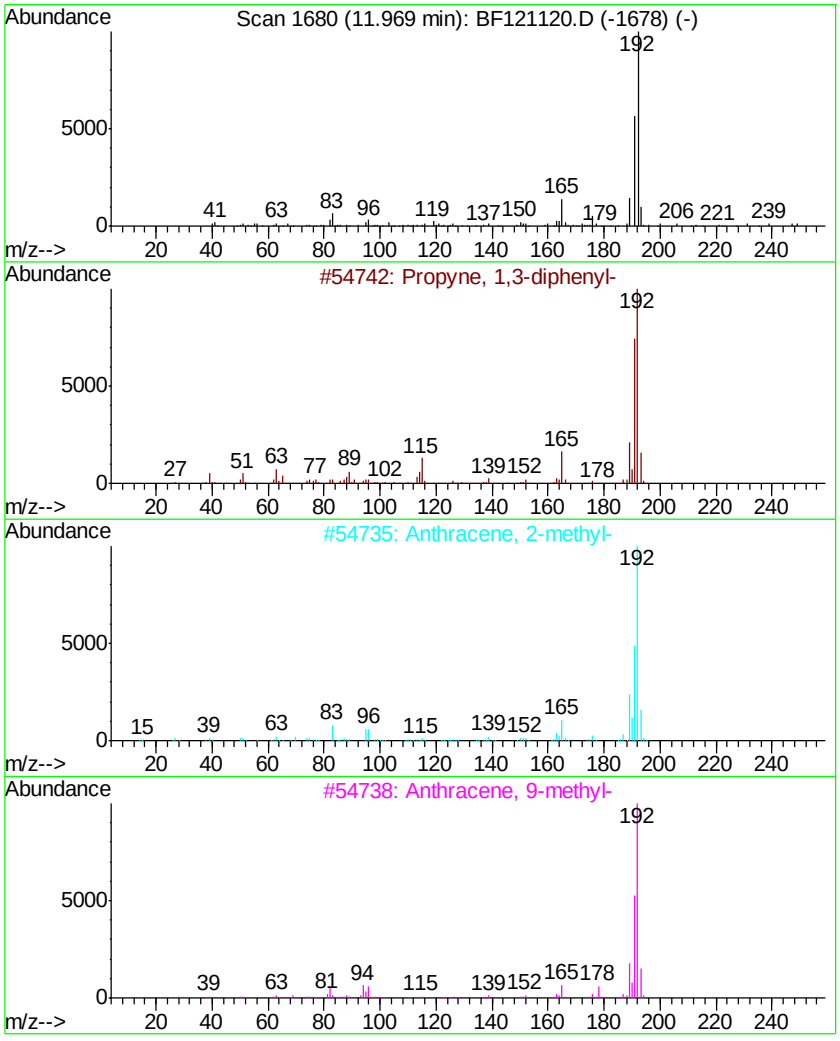
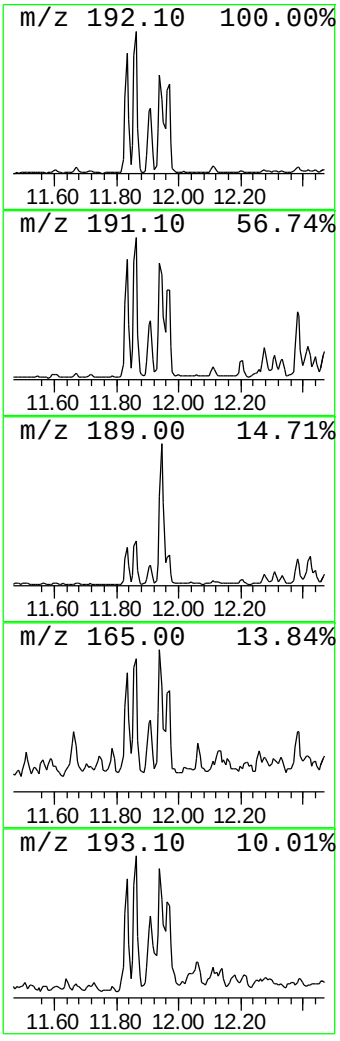
Peak Number 11 Propyne, 1,3-diphenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.63 ng	143717	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	72
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
4	3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	64
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





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Sample : L3436-02 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 2

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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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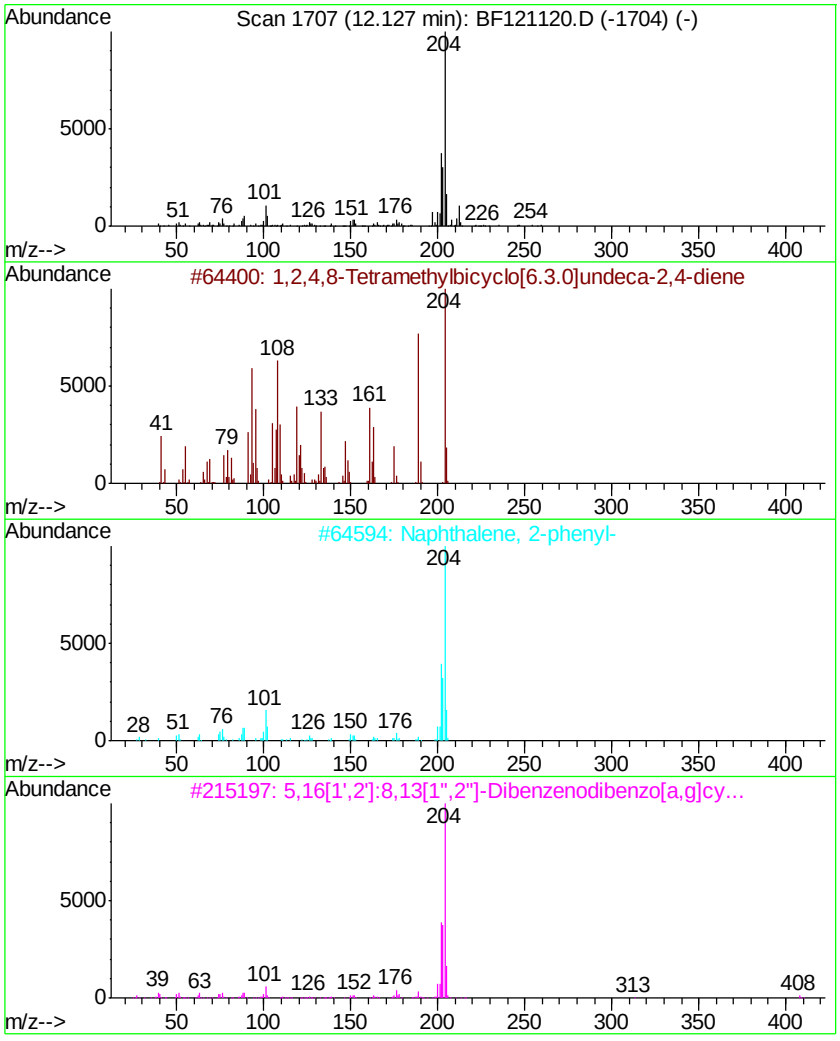
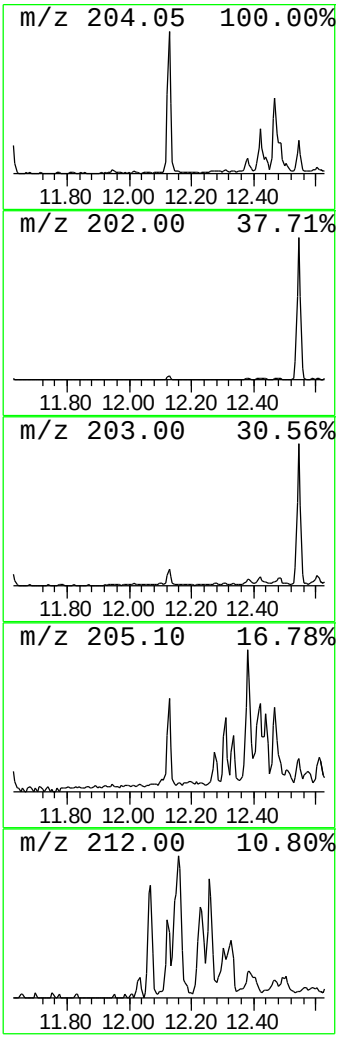
Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.58 ng	140852	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	80
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





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Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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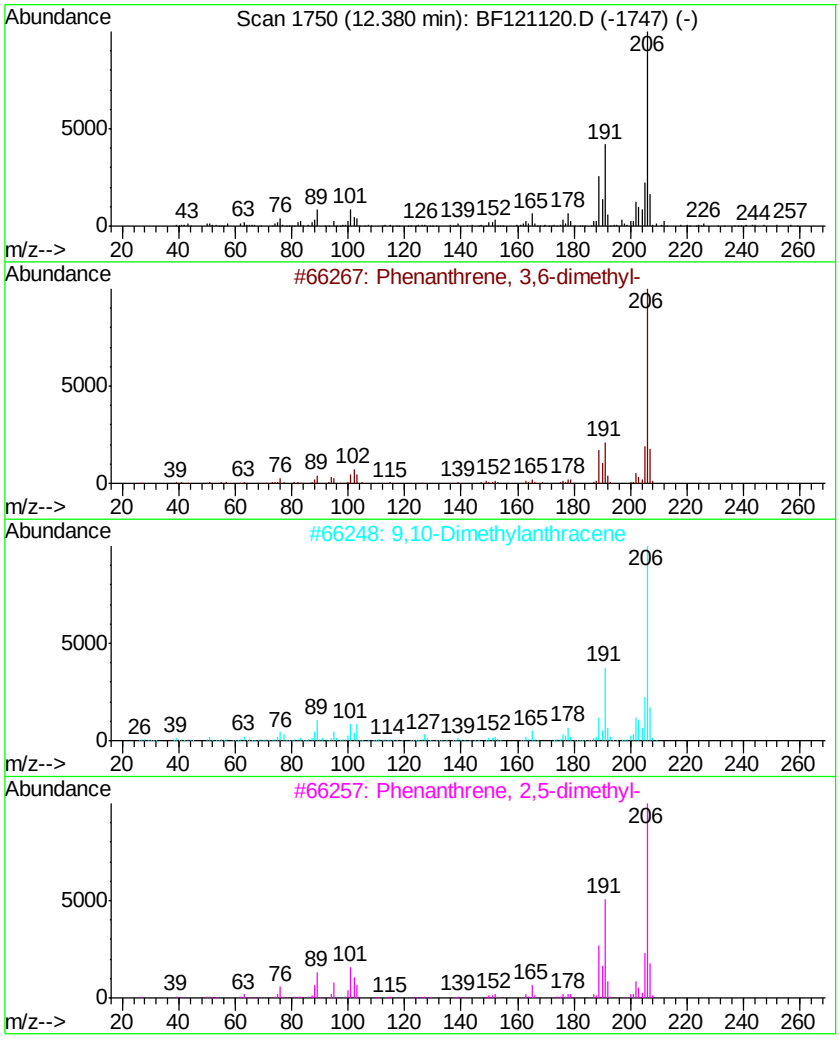
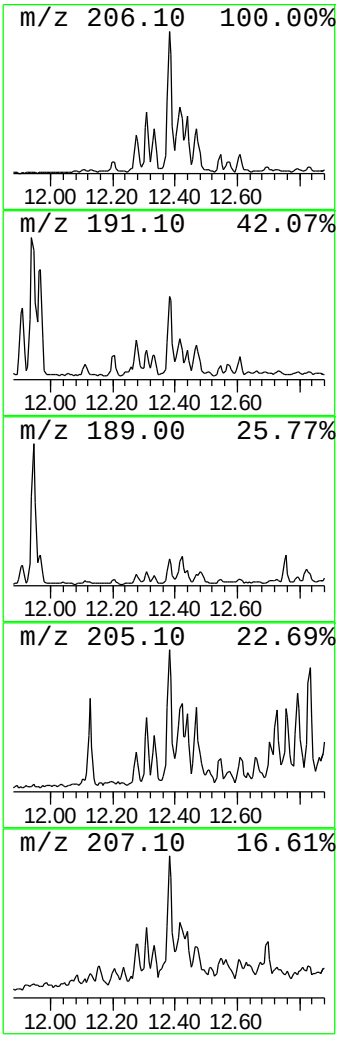
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	4.15 ng	226640	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





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Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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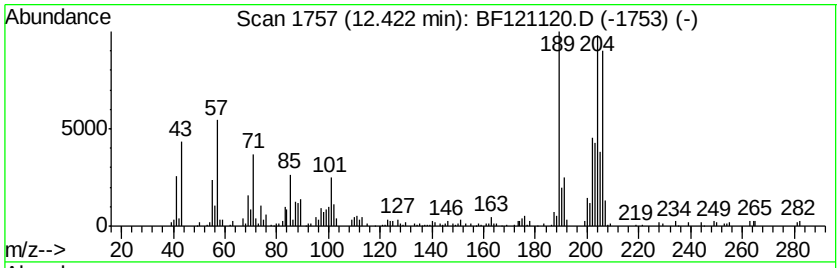
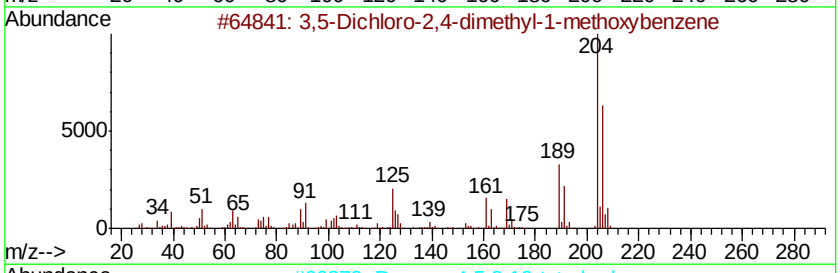
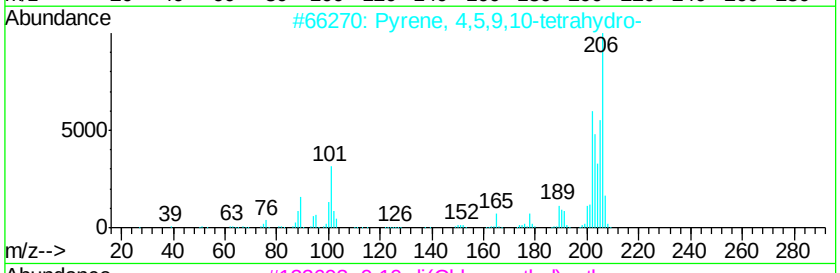
Peak Number 14 unknown12.42 Concentration Rank 2

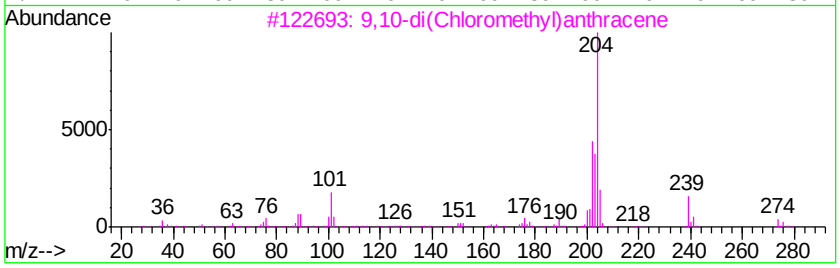
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.48 ng	299361	Phenanthrene-d10	11.33

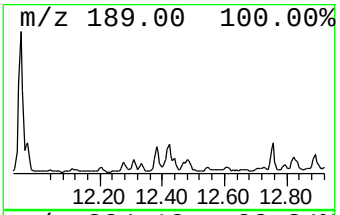
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	25

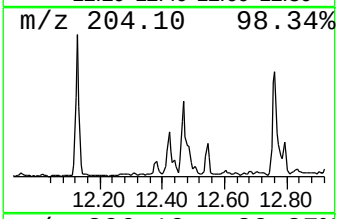


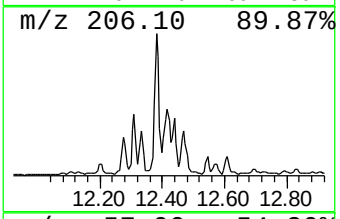


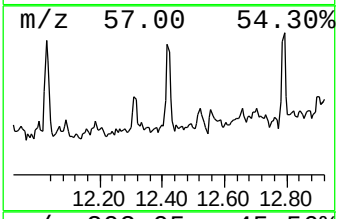


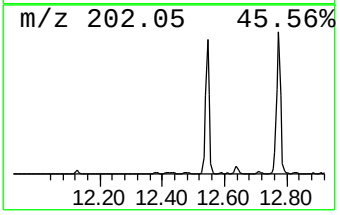












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Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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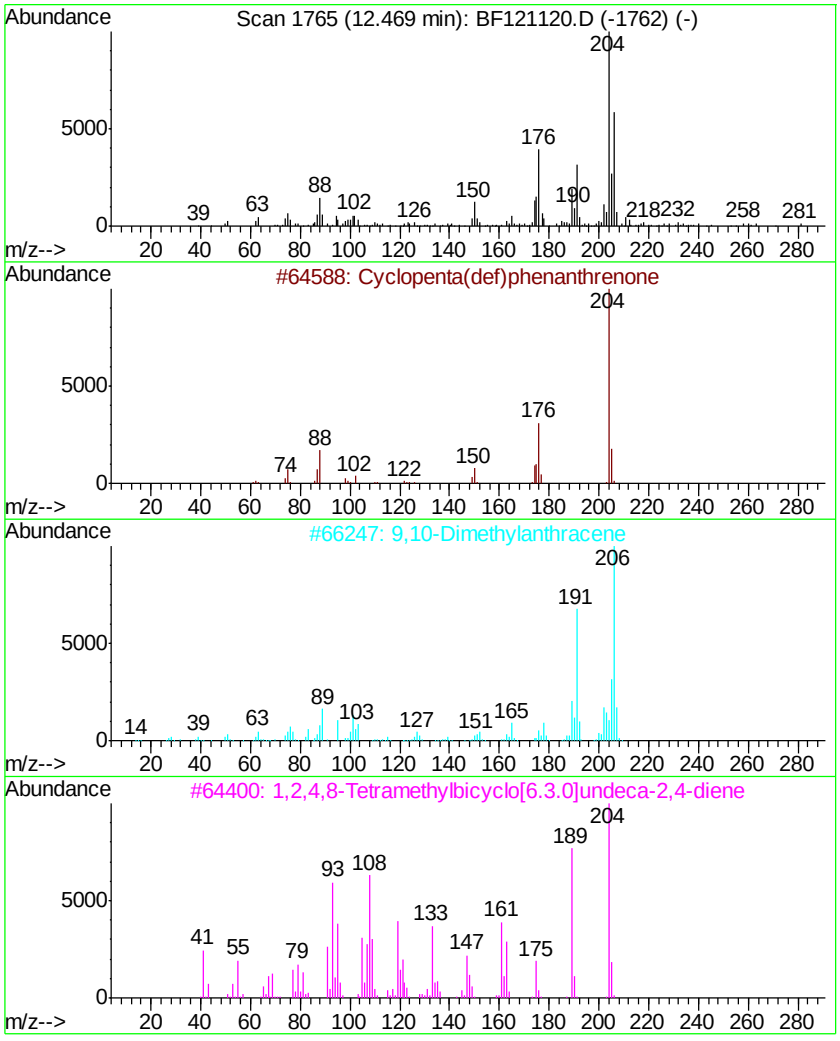
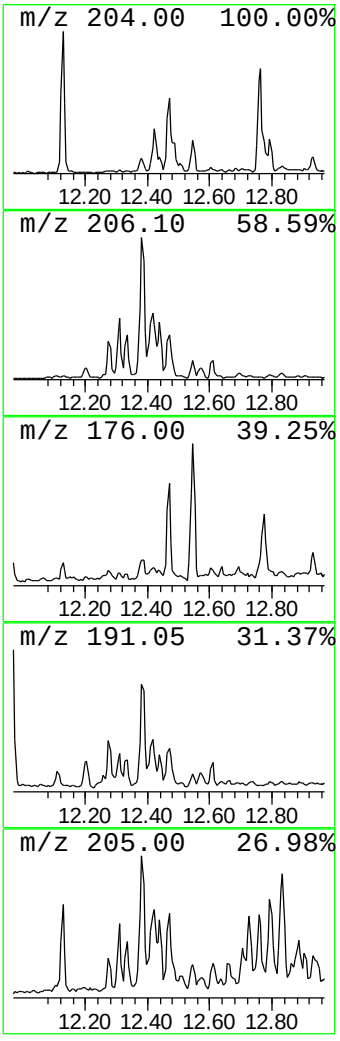
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.06 ng	167352	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	35
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

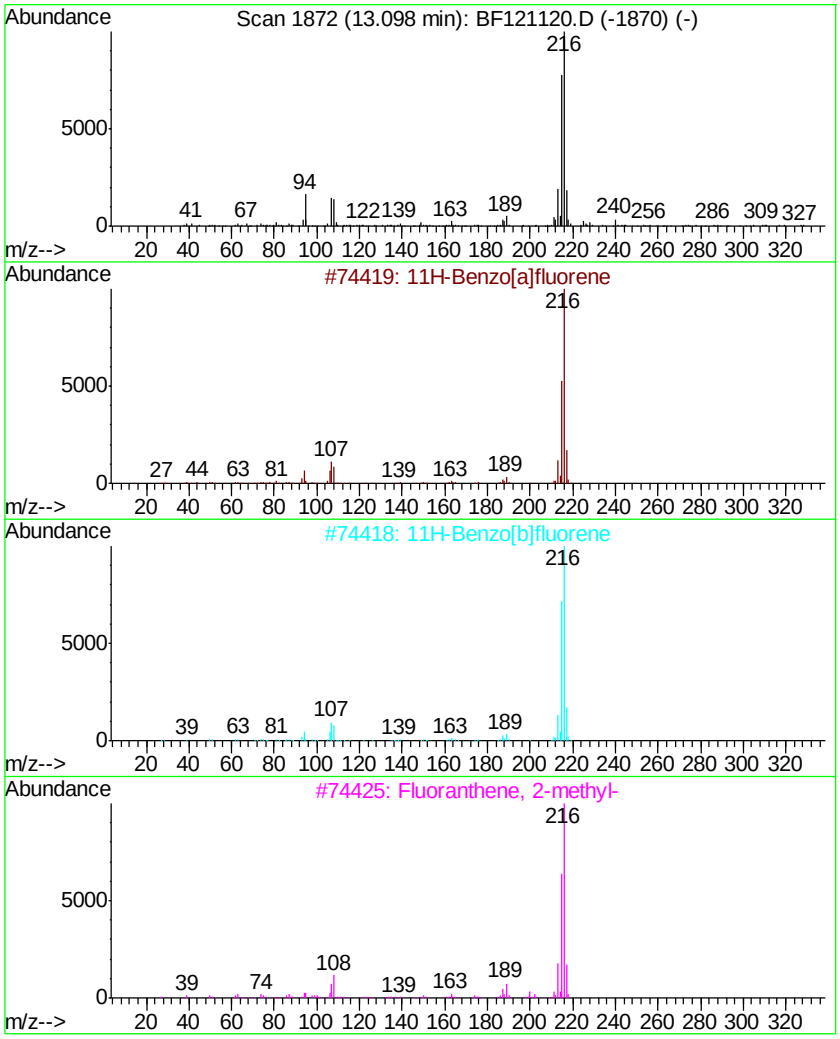
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

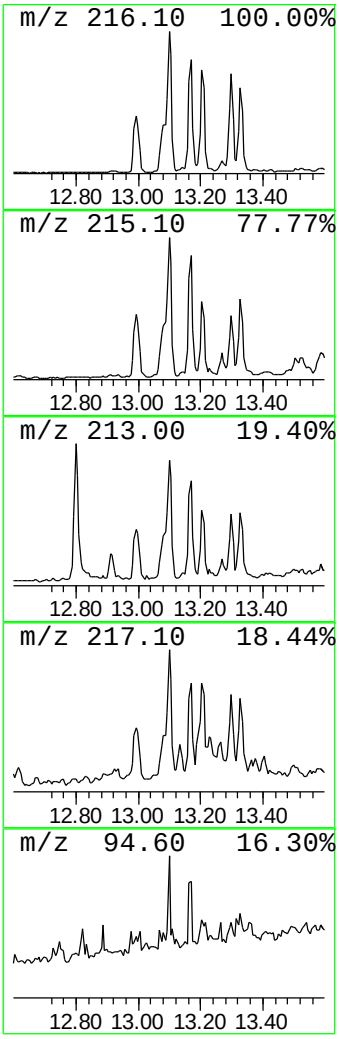
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.97 ng	252590	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

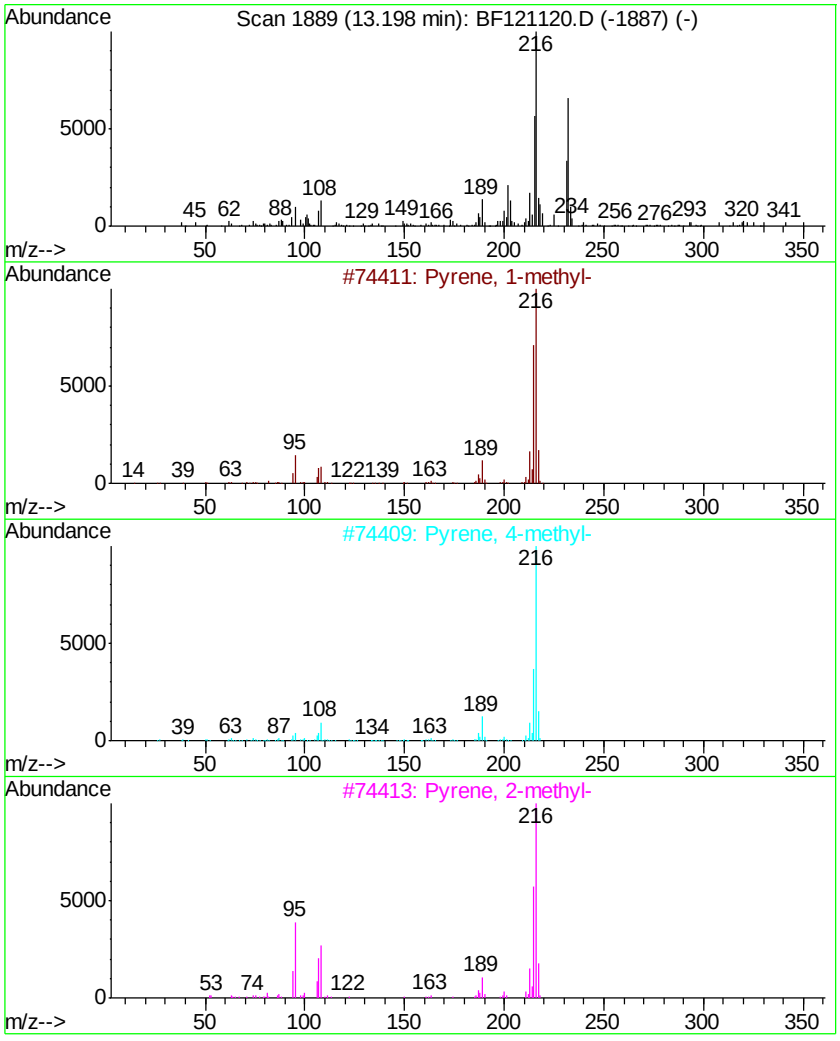
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

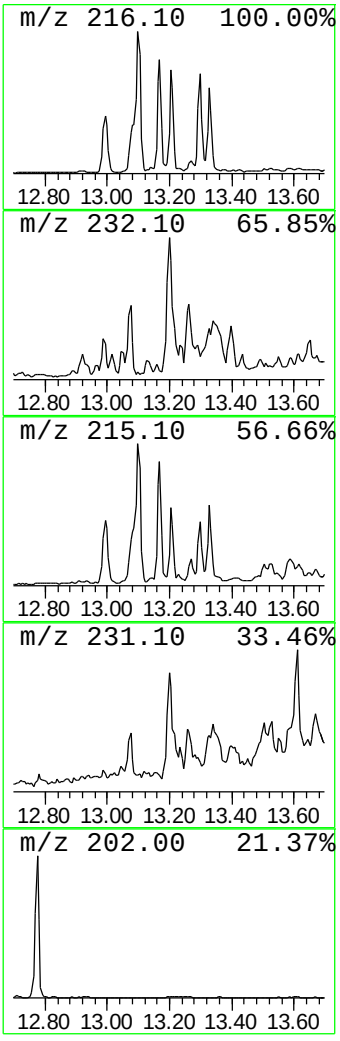
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.04 ng	173563	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
Data File : BF121120.D
Acq On : 30 Jul 2020 00:34
Operator : JU/CG
Sample : L3436-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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-...	9.43	2.1	ng	121123	3	9.85	1163940	20.0
Naphthalene, 2,3-...	9.50	2.2	ng	125704	3	9.85	1163940	20.0
Naphthalene, 1,4,...	10.05	2.4	ng	140821	3	9.85	1163940	20.0
unknown10.76	10.76	3.9	ng	212395	4	11.33	1093050	20.0
9H-Fluorene, 1-me...	10.94	2.1	ng	115879	4	11.33	1093050	20.0
Naphtho[2,3-b]thi...	11.23	3.0	ng	161677	4	11.33	1093050	20.0
Anthracene, 2-met...	11.83	3.7	ng	200940	4	11.33	1093050	20.0
Phenanthrene, 2-m...	11.86	4.6	ng	251413	4	11.33	1093050	20.0
Phenanthrene, 1-m...	11.90	2.0	ng	109456	4	11.33	1093050	20.0
4H-Cyclopenta[def...	11.95	7.6	ng	415784	4	11.33	1093050	20.0
Propyne, 1,3-diph...	11.97	2.6	ng	143717	4	11.33	1093050	20.0
1,2,4,8-Tetrameth...	12.13	2.6	ng	140852	4	11.33	1093050	20.0
Phenanthrene, 3,6...	12.38	4.2	ng	226640	4	11.33	1093050	20.0
unknown12.42	12.42	5.5	ng	299361	4	11.33	1093050	20.0
Cyclopenta(def)ph...	12.47	3.1	ng	167352	4	11.33	1093050	20.0
11H-Benzo[a]fluorene	13.10	3.0	ng	252590	5	13.97	1700920	20.0
Pyrene, 1-methyl-	13.20	2.0	ng	173563	5	13.97	1700920	20.0