LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

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-BF091020.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	5.398	559	563	578	rBV	1561909	1465236	84.75%	4.693%
2	6.057	672	675	679	rVB	382560	342107	19.79%	1.096%
3	6.422	733	737	746	rBV	1700398	1565032	90.52%	5.013%
4	6.781	795	798	802	rBV	876468	790381	45.71%	2.532%
5	6.898	815	818	822	rBV	149935	125087	7.23%	0.401%
6	7.345	890	894	897	rBV	1185723	946310	54.73%	3.031%
7	8.069	1013	1017	1020	rBV	1259219	1030296	59.59%	3.300%
8	8.781	1133	1138	1141	rBV2	54042	47438	2.74%	0.152%
9	8.881	1151	1155	1159	rVB	75738	62317	3.60%	0.200%
10	9.145	1195	1200	1203	rBV	2032233	1728974	100.00%	5.538%
11	9.410	1240	1245	1248	rBV	55698	71311	4.12%	0.228%
12	9.480	1253	1257	1259	rVV	138027	124226	7.18%	0.398%
13	9.504	1259	1261	1264	rVV	65718	60274	3.49%	0.193%
14	9.539	1264	1267	1273	rVB2	199528	222117	12.85%	0.711%
15	9.598	1273	1277	1282	rBV	59526	64410	3.73%	0.206%
16	9.680	1288	1291	1295	rVB	305598	256044	14.81%	0.820%
17	9.822	1308	1315	1318	rBV	1342333	1130757	65.40%	3.622%
18	9.851	1318	1320	1324	rVB	157773	139528	8.07%	0.447%
19	9.928	1329	1333	1337	rVB3	36580	48196	2.79%	0.154%
20	9.980	1337	1342	1344	rBV5	27643	44454	2.57%	0.142%
21	10.028	1346	1350	1353	rVV	115050	115089	6.66%	0.369%
22	10.063	1353	1356	1359	rVB	71043	53522	3.10%	0.171%
23	10.098	1359	1362	1365	rVB	117280	93398	5.40%	0.299%
24	10.133	1365	1368	1371	rBV2	82662	98660	5.71%	0.316%
25	10.227	1380	1384	1386	rBV3	53183	75089	4.34%	0.241%
26	10.275	1390	1392	1395	rBV	71436	52918	3.06%	0.170%
27	10.369	1405	1408	1414	rVB	203926	212118	12.27%	0.679%
28	10.433	1414	1419	1421	rBV2	50014	59497	3.44%	0.191%
29	10.480	1424	1427	1429	rVV2	45306	41533	2.40%	0.133%
30	10.522	1431	1434	1438	rVV2	45040	46418	2.68%	0.149%
31	10.610	1443	1449	1453	rVV	1054783	934311	54.04%	2.993%
32	10.733	1466	1470	1476	rVB3	98028	107889	6.24%	0.346%
33	10.916	1497	1501	1504	rVV2	99738	143425	8.30%	0.459%
34	10.945	1504	1506	1509	rVV2	84402	83025	4.80%	0.266%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.998	1512	1515	1518	rVV	79238	80210	4.64%	0.257%
36	11.045	1518	1523	1525	rVV2	48778	85368	4.94%	0.273%
37	11.069	1525	1527	1532	rVV2	71459	95680	5.53%	0.306%
38	11.110	1532	1534	1539	rVV2	74850	95721	5.54%	0.307%
39	11.157	1539	1542	1547	rVV4	59062	103471	5.98%	0.331%
40	11.204	1547	1550	1555	rVB	132755	129700	7.50%	0.415%
41	11.304	1564	1567	1569	rBV	1081742	979545	56.65%	3.138%
42	11.333	1569	1572	1575	rVV	1085288	983483	56.88%	3.150%
43	11.380	1577	1580	1583	rVB	400486	324323	18.76%	1.039%
44	11.416	1583	1586	1589	rBV2	85552	96601	5.59%	0.309%
45	11.539	1600	1607	1610	rBV	106923	137012	7.92%	0.439%
46	11.639	1621	1624	1627	rVB	82401	78557	4.54%	0.252%
47	11.722	1635	1638	1641	rVB	58652	59452	3.44%	0.190%
48	11.810	1649	1653	1655	rVV	294781	276143	15.97%	0.885%
49	11.833	1655	1657	1662	rVB	406103	354764	20.52%	1.136%
50	11.880	1662	1665	1668	rBV	166440	167597	9.69%	0.537%
51	11.922	1668	1672	1674	rVV2	466792	524779	30.35%	1.681%
52	11.939	1674	1675	1680	rVB	233577	191350	11.07%	0.613%
53	12.039	1690	1692	1695	rBV2	55208	42279	2.45%	0.135%
54	12.104	1698	1703	1705	rVV2	143427	161244	9.33%	0.516%
55	12.127	1705	1707	1710	rVB2	90679	90904	5.26%	0.291%
56	12.233	1723	1725	1726	rBV	59542	46941	2.71%	0.150%
57	12.251	1726	1728	1731	rVV	103394	88070	5.09%	0.282%
58	12.280	1731	1733	1736	rVV	138406	142345	8.23%	0.456%
59	12.310	1736	1738	1740	rVB	114857	89956	5.20%	0.288%
60	12.357	1740	1746	1749	rBV	352793	403029	23.31%	1.291%
61	12.392	1749	1752	1755	rVV	190671	258612	14.96%	0.828%
62	12.416	1755	1756	1758	rVB	105009	45603	2.64%	0.146%
63	12.445	1758	1761	1765	rBV2	141971	194145	11.23%	0.622%
64	12.521	1770	1774	1777	rBV	1514607	1242937	71.89%	3.981%
65	12.557	1777	1780	1783	rVV2	67437	111707	6.46%	0.358%
66	12.580	1783	1784	1787	rVV2	64018	55226	3.19%	0.177%
67	12.616	1787	1790	1792	rVB	107164	95743	5.54%	0.307%
68	12.669	1797	1799	1803	rVV3	73092	106006	6.13%	0.340%
69	12.751	1807	1813	1815	rBV	1457320	1470592	85.06%	4.710%
70	12.804	1819	1822	1826	rVB2	145977	179296	10.37%	0.574%
71	12.863	1830	1832	1833	rVV2	69620	54372	3.14%	0.174%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.892	1833	1837	1844	rVB	1704764	1584743	91.66%	5.076%
73	12.963	1845	1849	1853	rBV2	162478	253447	14.66%	0.812%
74	13.021	1857	1859	1861	rBV	61750	51933	3.00%	0.166%
75	13.057	1861	1865	1866	rBV3	140894	183030	10.59%	0.586%
76	13.074	1866	1868	1871	rVB	325120	286628	16.58%	0.918%
77	13.121	1871	1876	1877	rBV5	90490	103750	6.00%	0.332%
78	13.139	1877	1879	1882	rVV	169942	148220	8.57%	0.475%
79	13.180	1883	1886	1889	rVB2	279008	226726	13.11%	0.726%
80	13.245	1894	1897	1898	rBV2	56717	60669	3.51%	0.194%
81	13.274	1899	1902	1904	rVV	213995	192381	11.13%	0.616%
82	13.304	1904	1907	1909	rVV	227694	206292	11.93%	0.661%
83	13.327	1909	1911	1915	rVB4	78818	82851	4.79%	0.265%
84	13.363	1915	1917	1919	rBV2	68721	50756	2.94%	0.163%
85	13.645	1963	1965	1968	rVB	67668	56371	3.26%	0.181%
86	13.692	1969	1973	1976	rVV2	187931	295020	17.06%	0.945%
87	13.745	1980	1982	1984	rVV	92705	96830	5.60%	0.310%
88	13.798	1988	1991	1999	rVB4	162901	297263	17.19%	0.952%
89	13.945	2011	2016	2019	rBV2	1116055	1493527	86.38%	4.784%
90	13.974	2019	2021	2028	rVB	582531	502918	29.09%	1.611%
91	14.027	2028	2030	2032	rBV	63685	64106	3.71%	0.205%
92	14.051	2032	2034	2036	rVB	78944	50750	2.94%	0.163%
93	14.333	2080	2082	2085	rVB	216158	164531	9.52%	0.527%
94	14.363	2085	2087	2091	rVB	118235	97869	5.66%	0.313%
95	14.457	2100	2103	2105	rBV2	148660	135526	7.84%	0.434%
96	14.974	2187	2191	2194	rBV	440669	644054	37.25%	2.063%
97	15.268	2238	2241	2247	rVB	282902	361020	20.88%	1.156%
98	15.333	2248	2252	2257	rVB	423673	509286	29.46%	1.631%
99	15.392	2258	2262	2265	rBV	582795	708284	40.97%	2.269%
100	16.815	2501	2504	2512	rVB2	175146	286992	16.60%	0.919%

Sum of corrected areas: 31219923

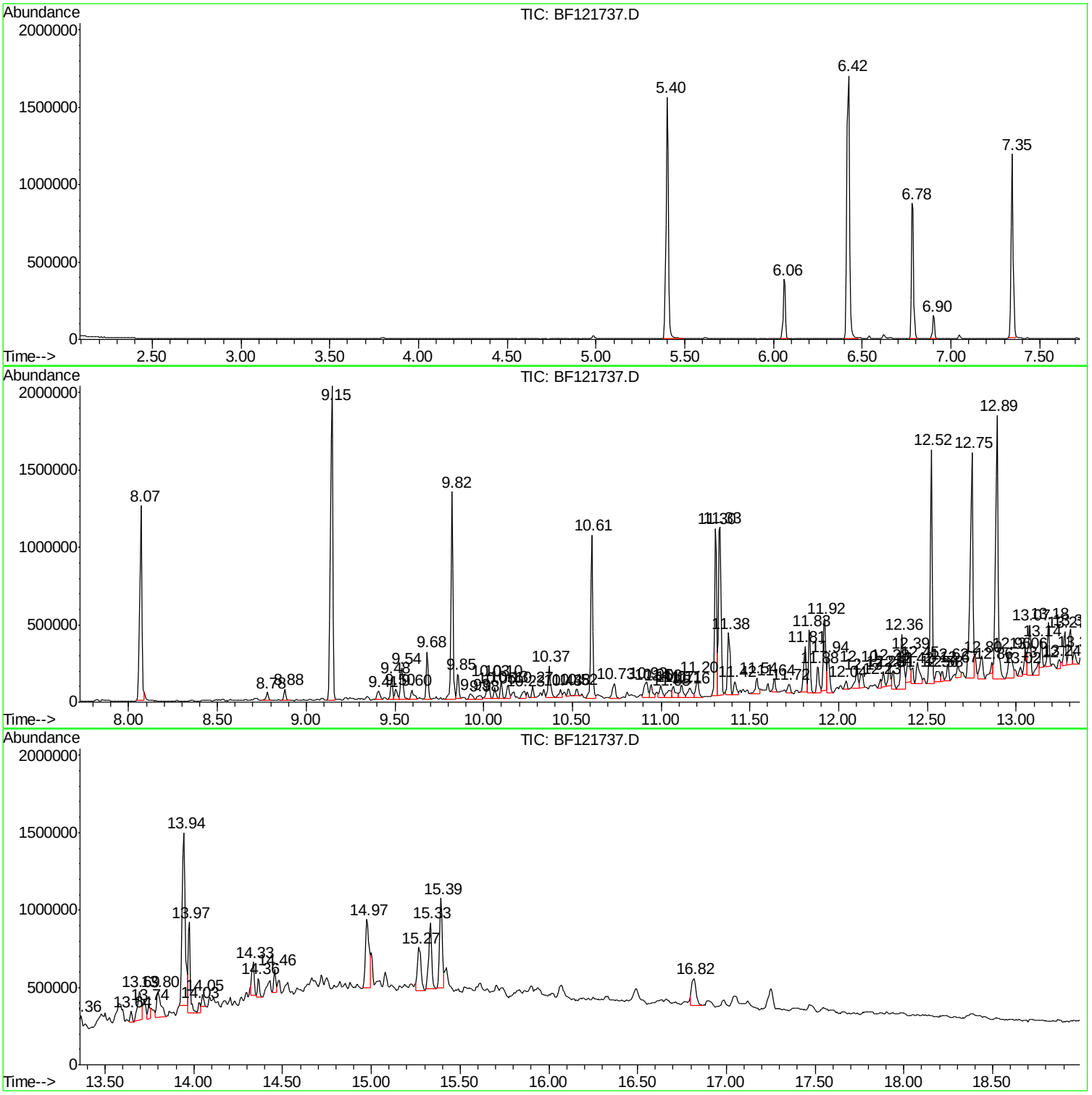
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

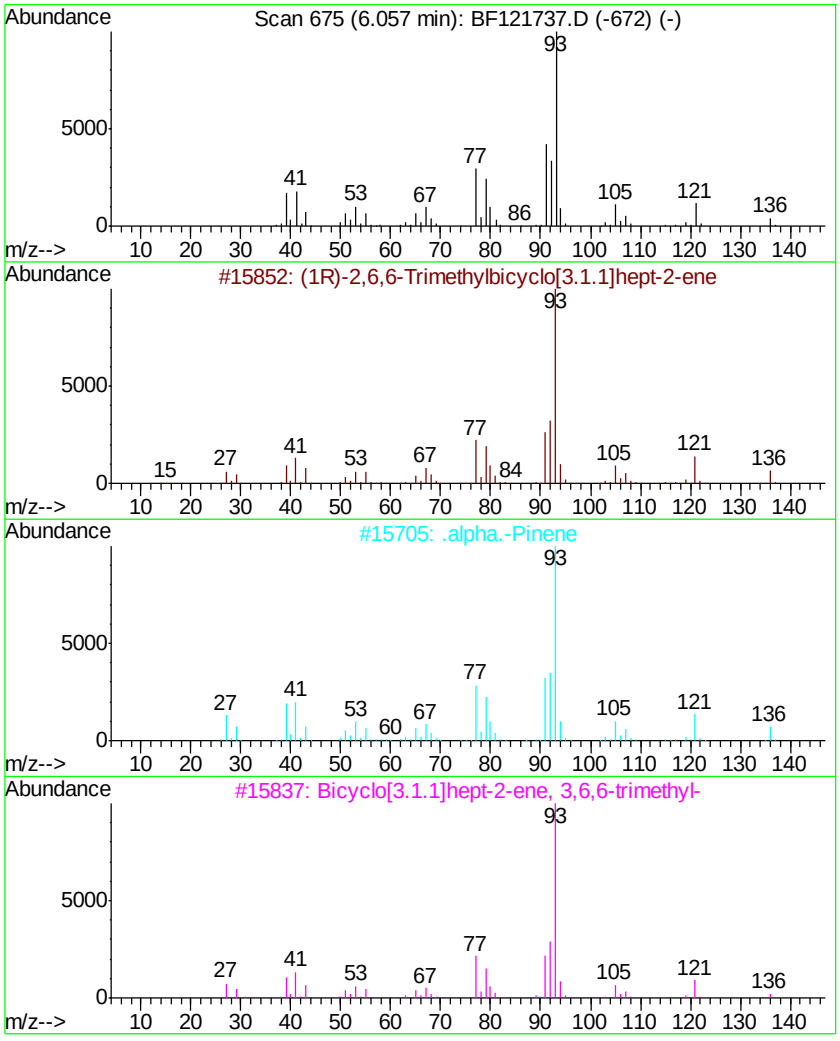
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

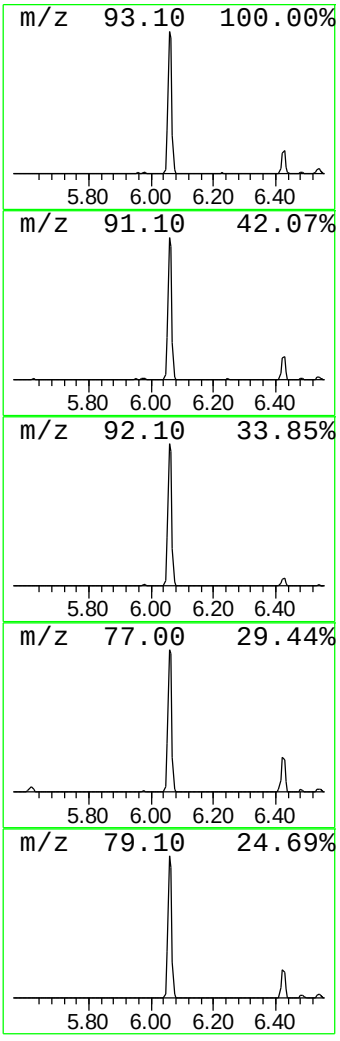
****

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	8.66 ng	342107	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	94
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
4	3-Carene	136	C10H16	013466-78-9	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

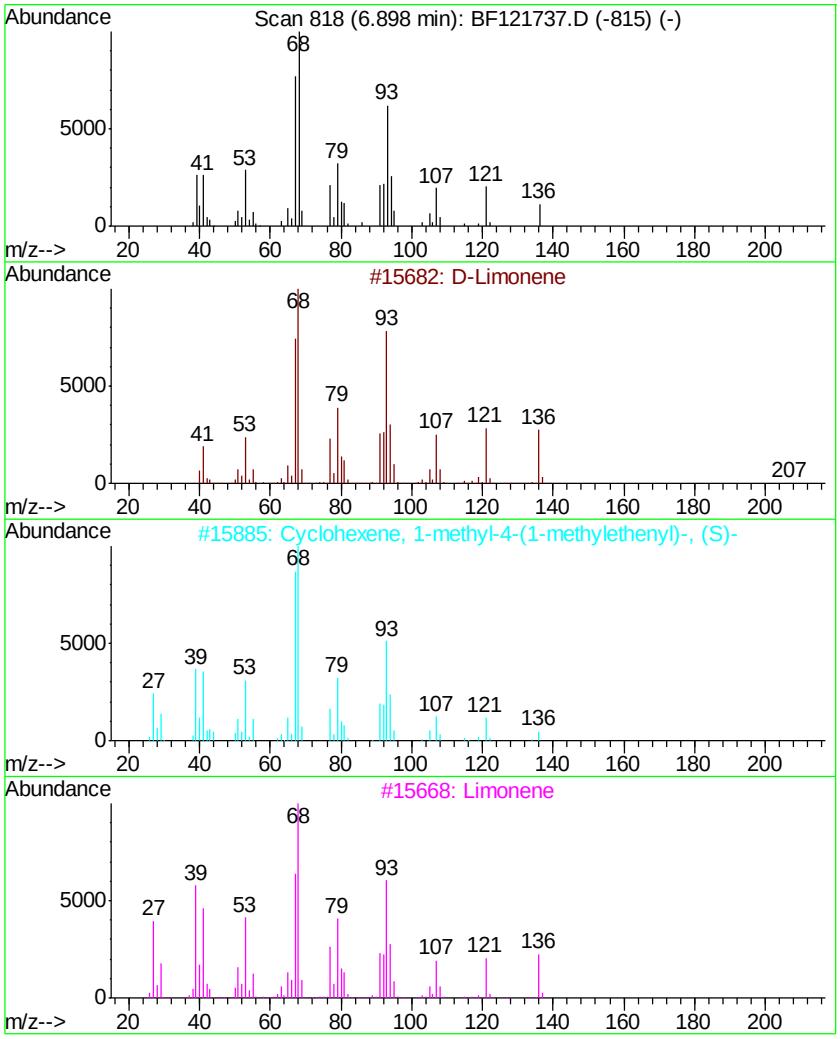
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

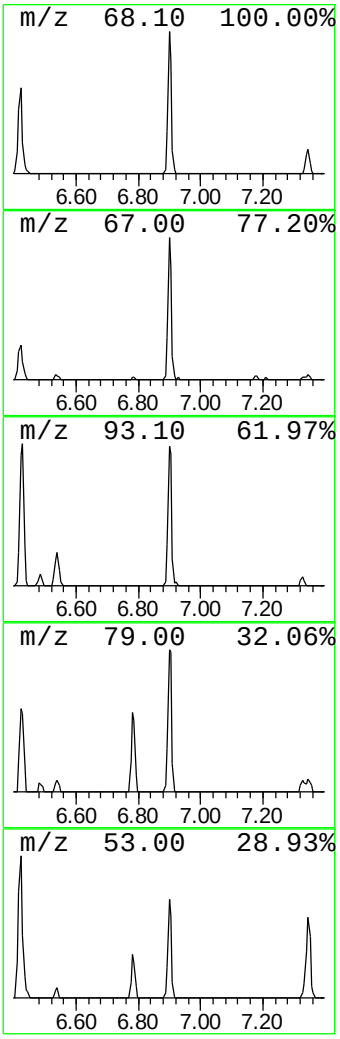
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 D-Limonene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	3.17 ng	125087	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	94
3	Limonene	136	C10H16	000138-86-3	91
4	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	83
5	Cyclohexanol, 1-methyl-4-(1-meth...	196	C12H20O2	010198-23-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
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Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

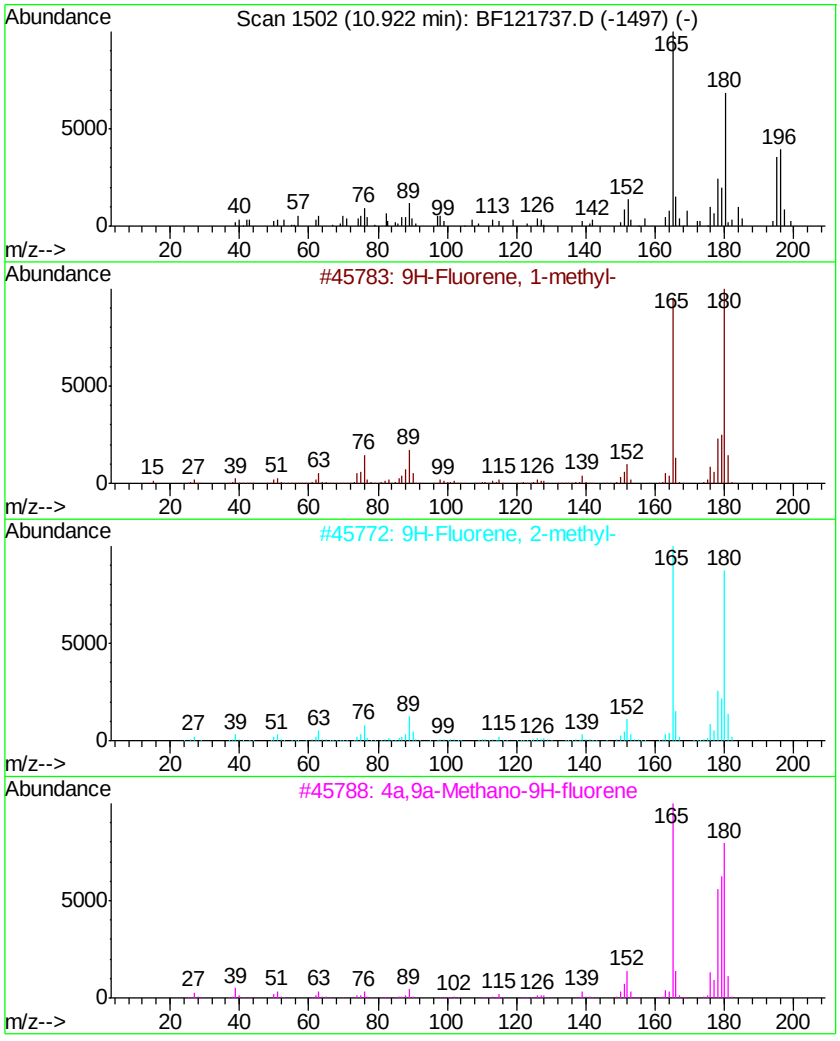
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

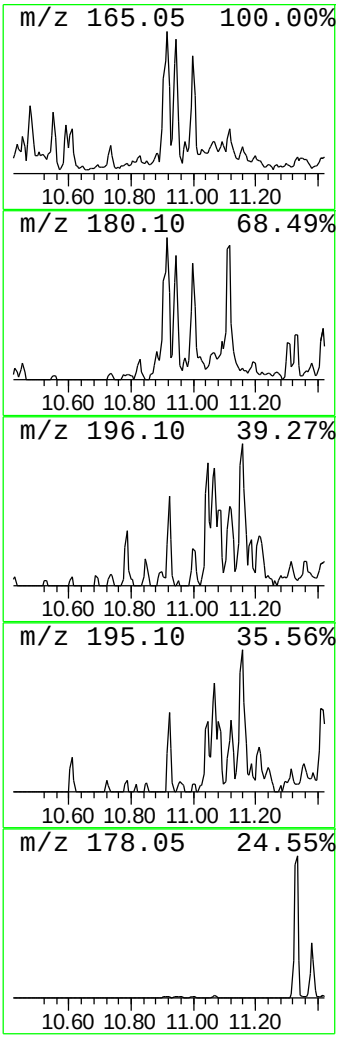
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.93 ng	143425	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

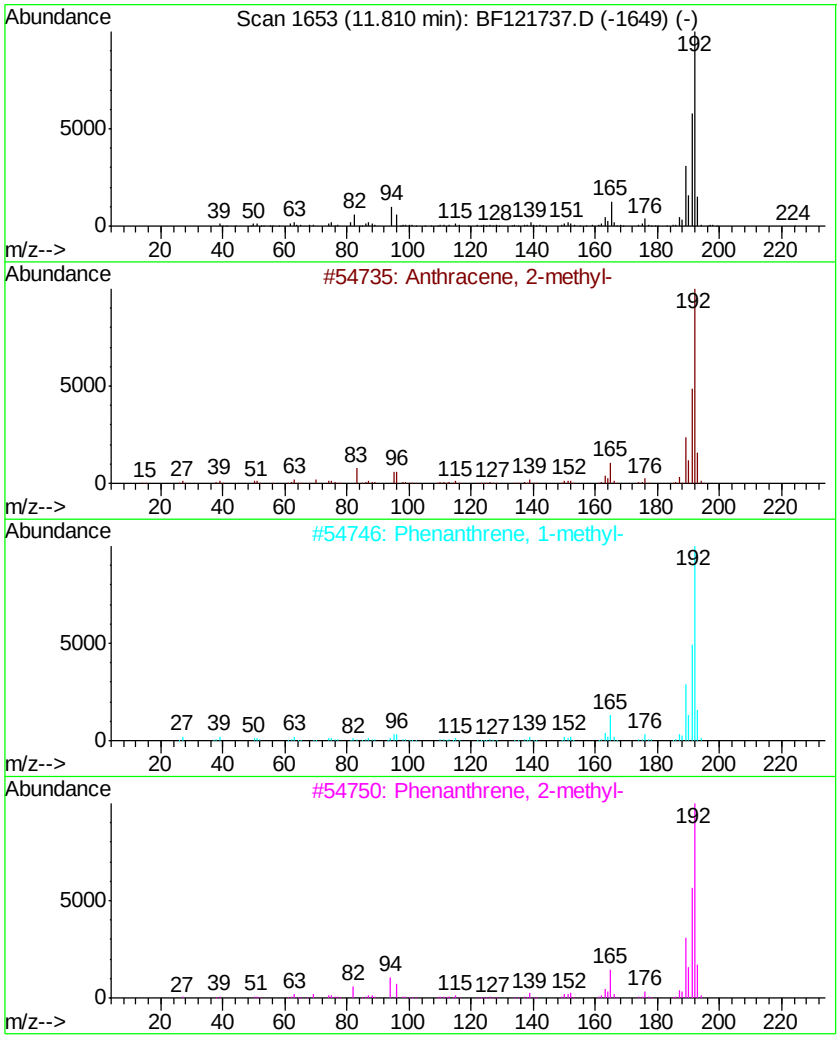
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

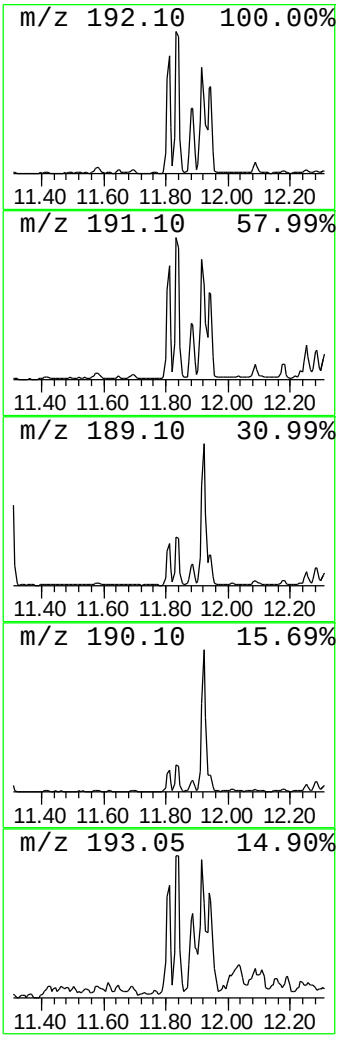
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	5.64 ng	276143	Phenanthrene-d10	11.30

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

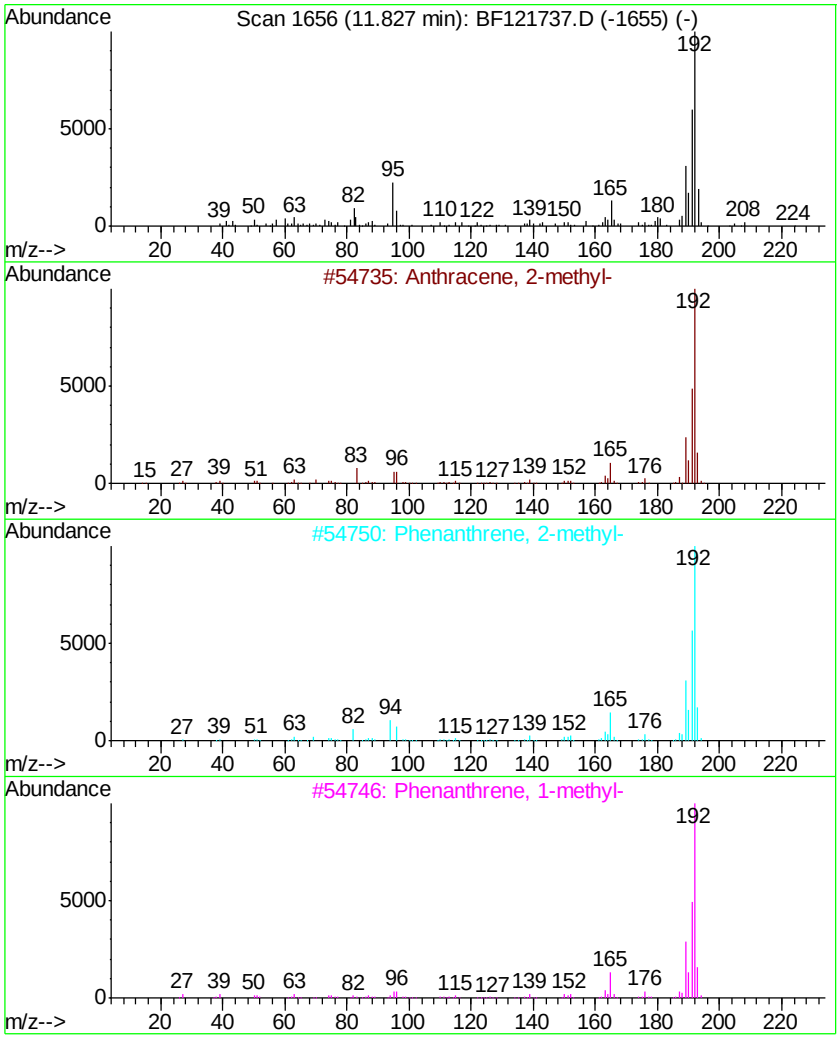
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

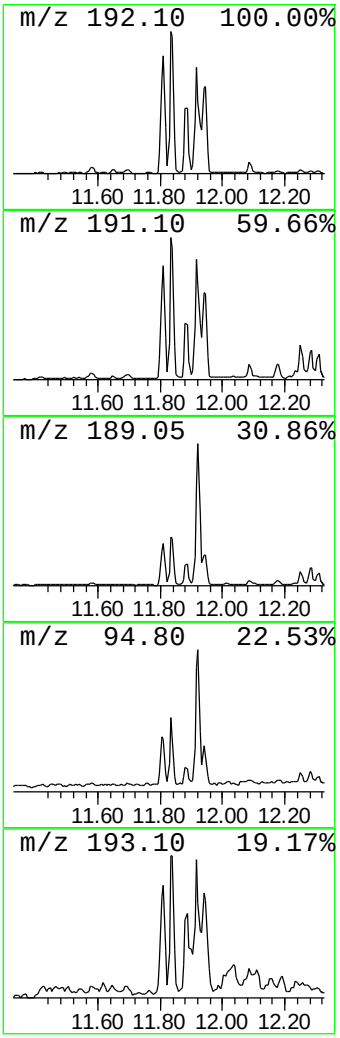
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	7.24 ng	354764	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95





Library Search Compound Report

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Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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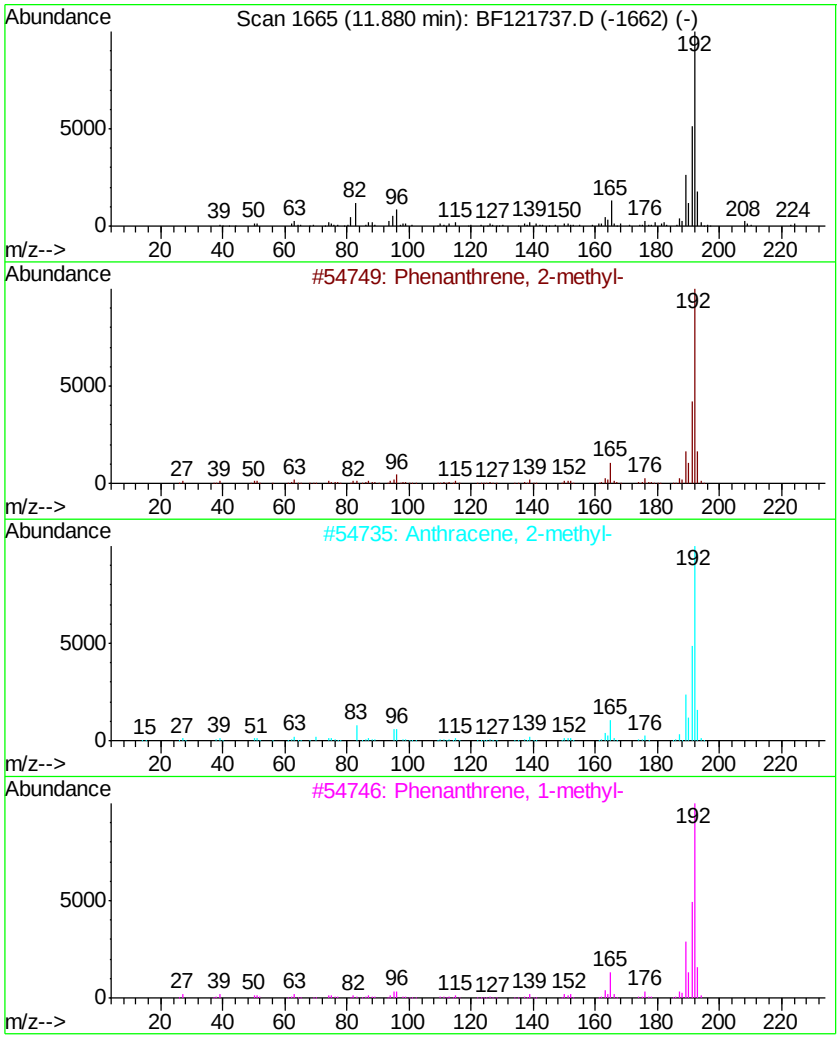
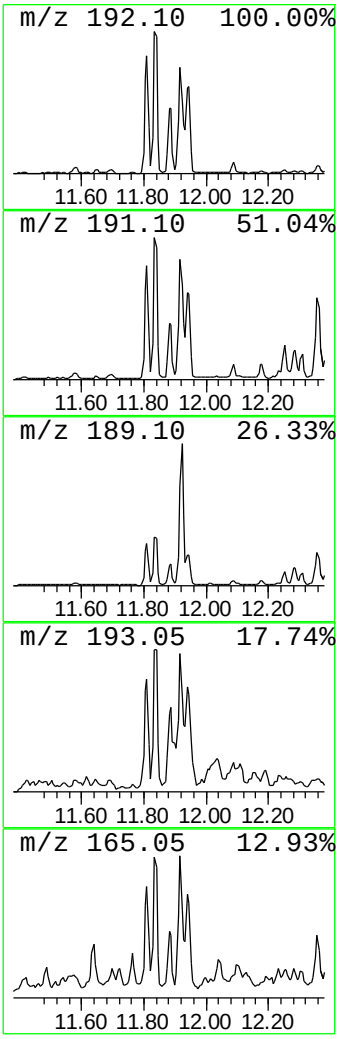
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	3.42 ng	167597	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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ClientSampleId : OR-03-092820

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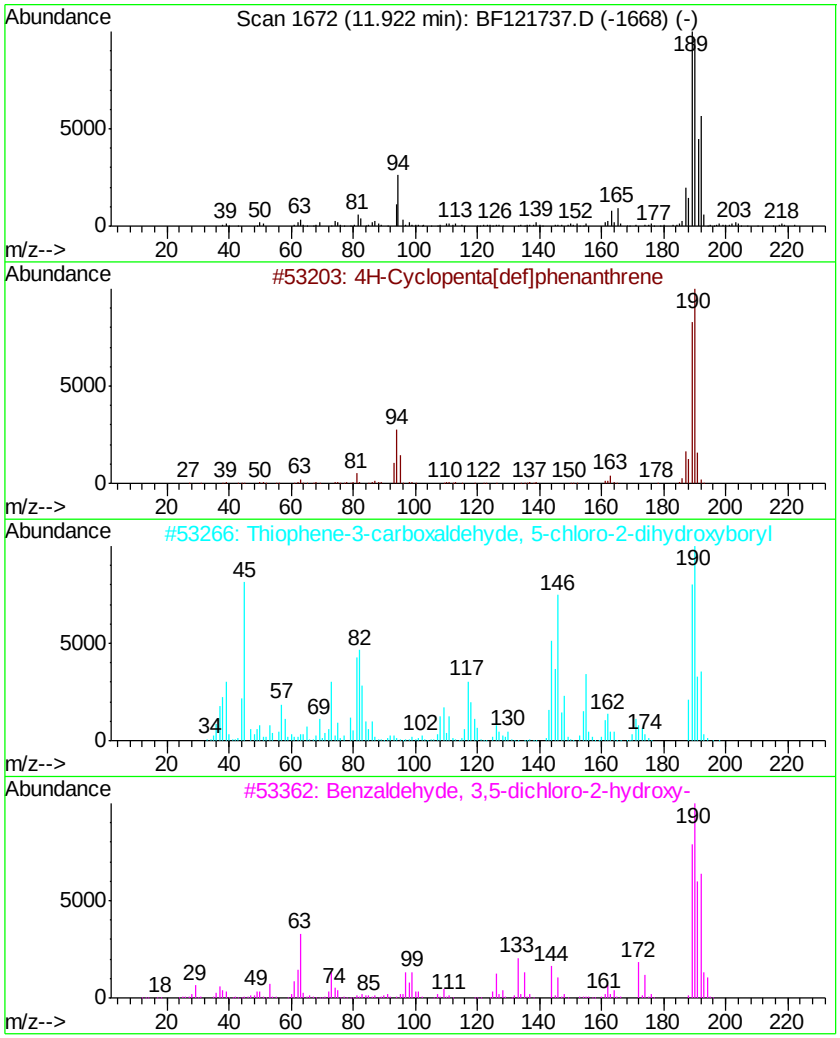
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

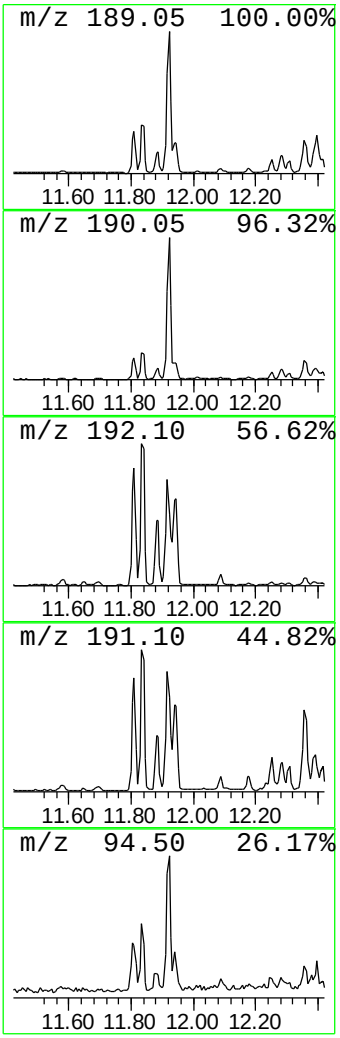
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	10.71 ng	524779	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

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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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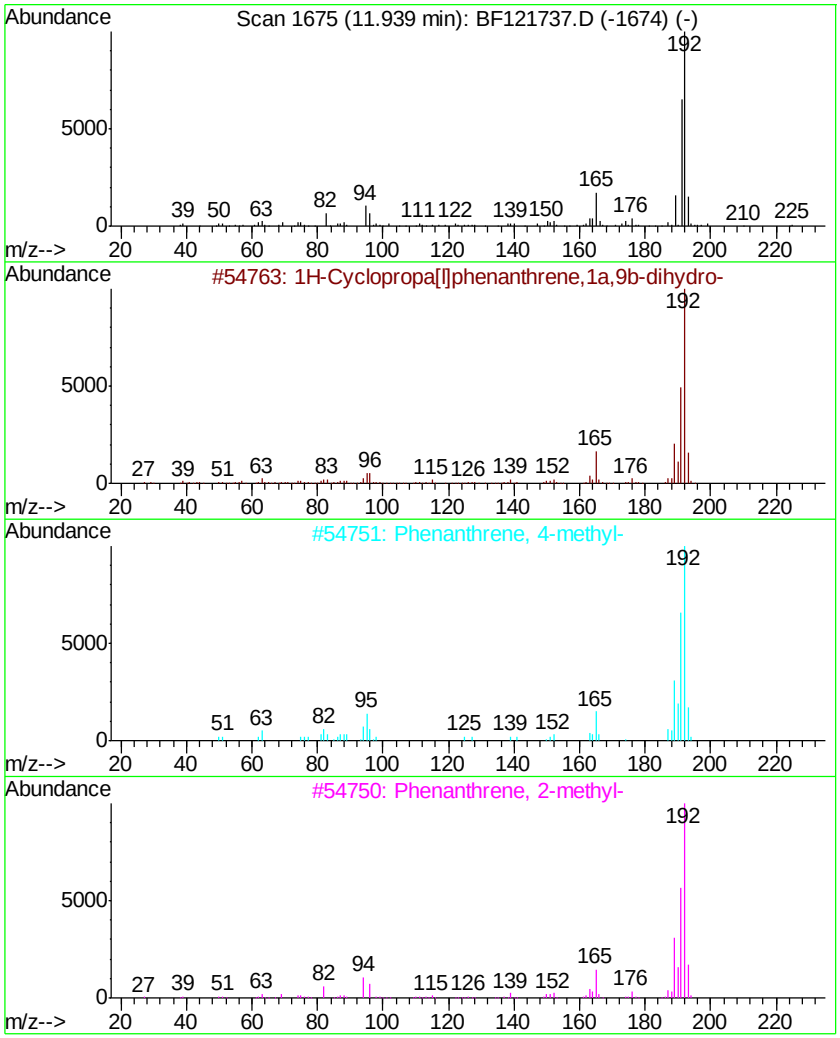
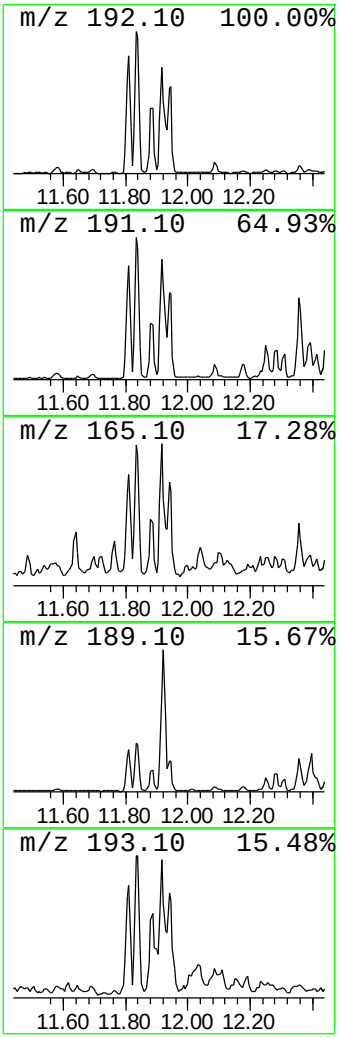
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	3.91 ng	191350	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId : OR-03-092820

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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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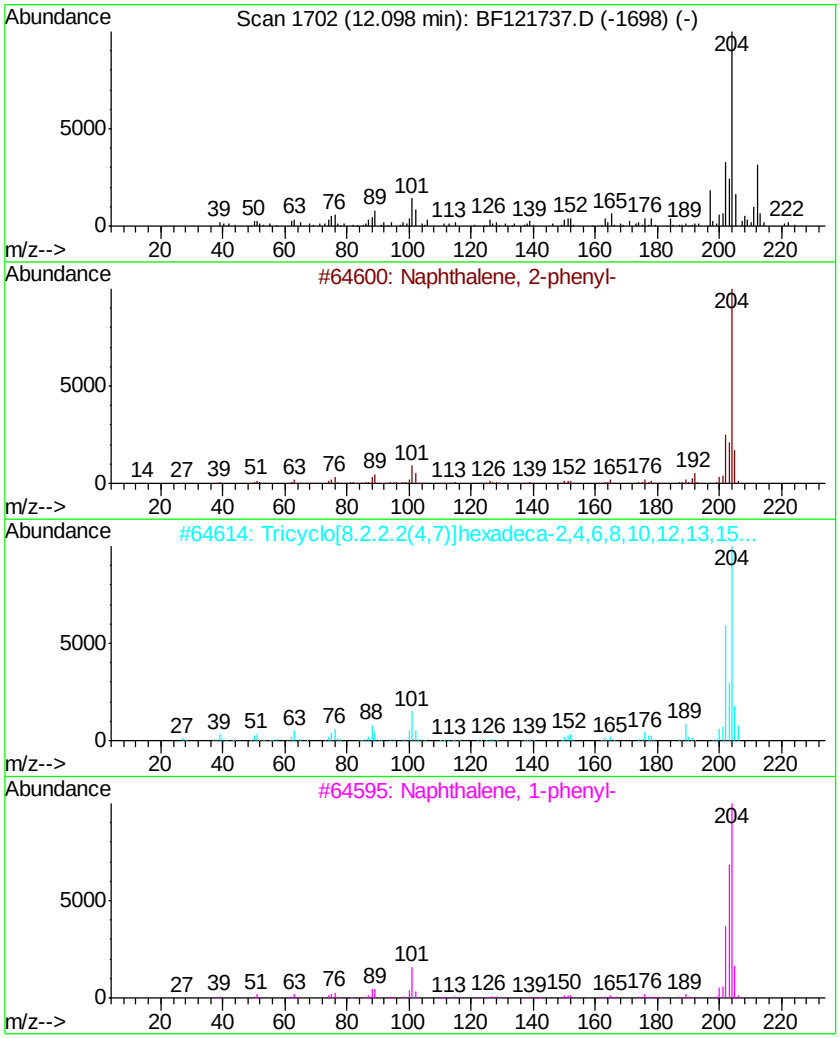
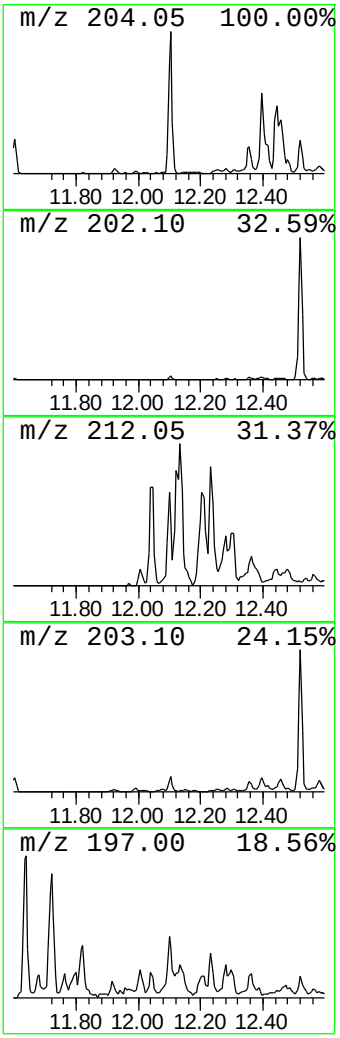
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.29 ng	161244	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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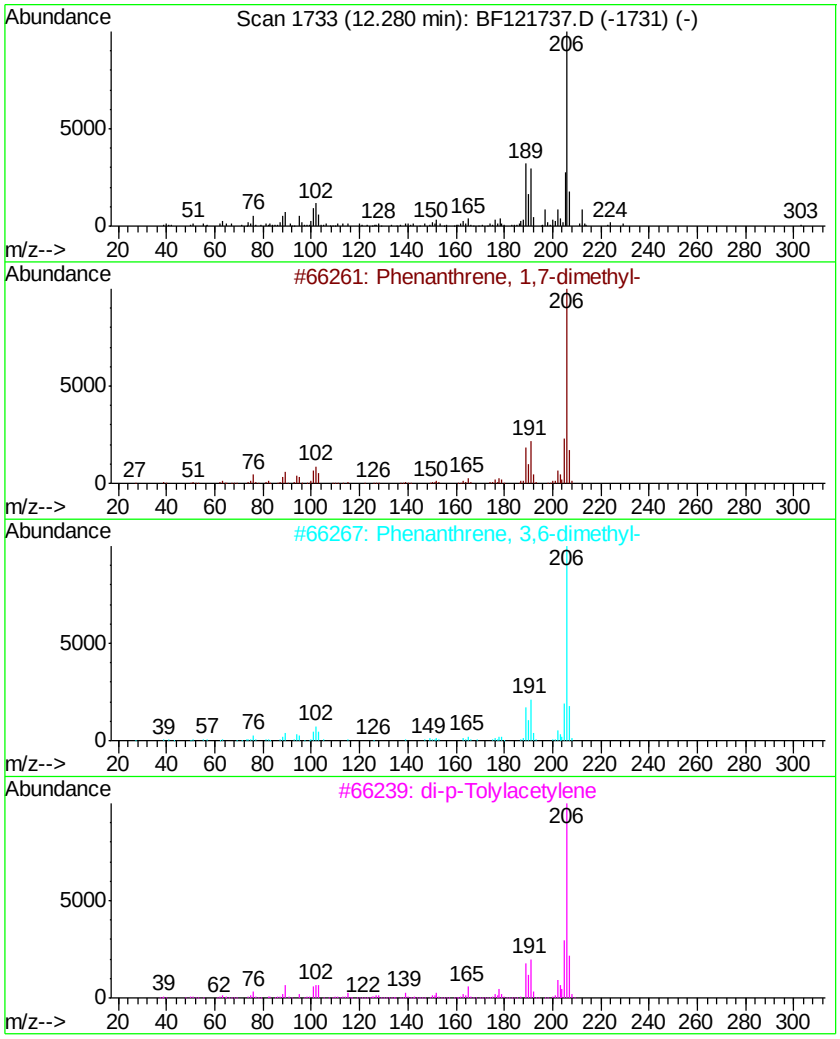
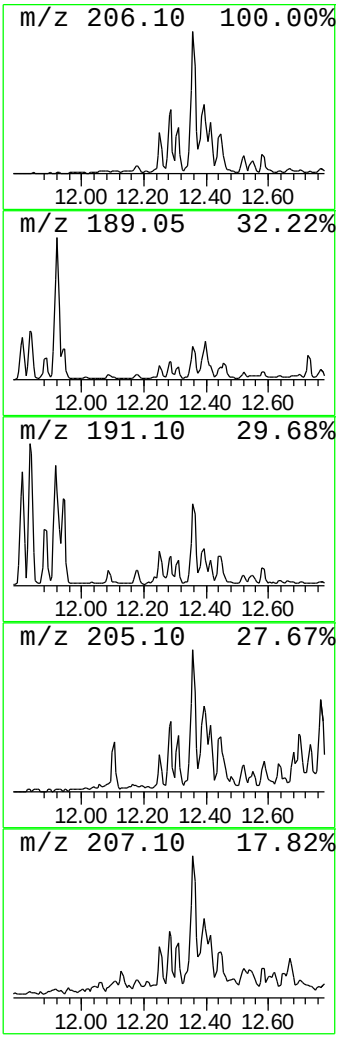
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.91 ng	142345	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76





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Sample : L3869-11 2X
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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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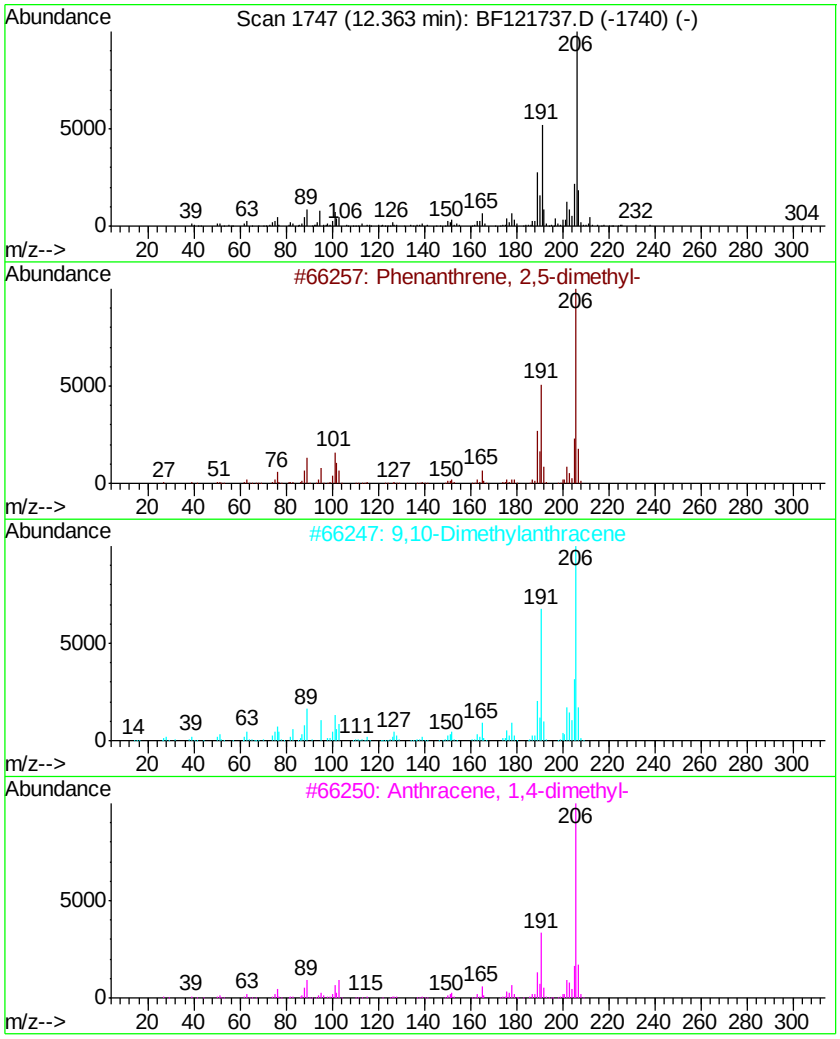
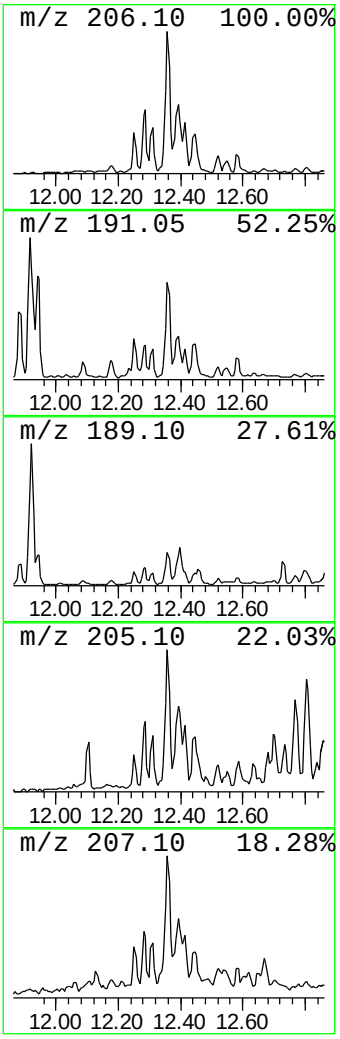
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	8.23 ng	403029	Phenanthrene-d10	11.30

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	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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Sample : L3869-11 2X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-092820

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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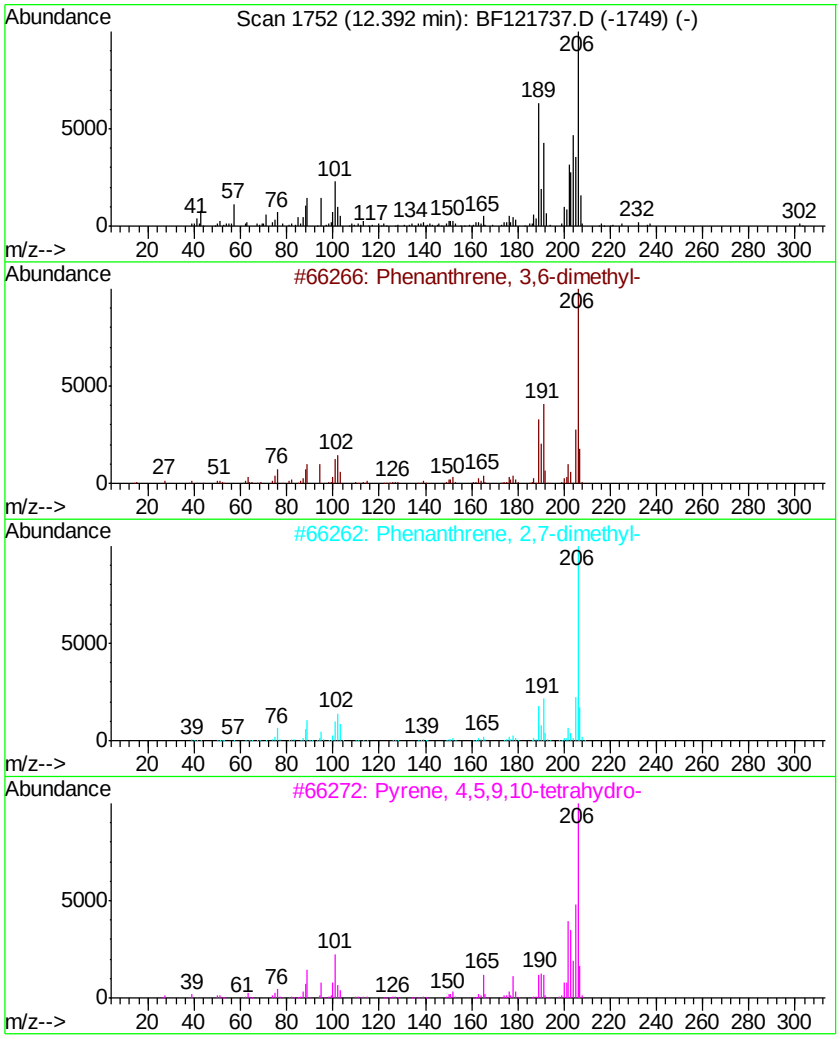
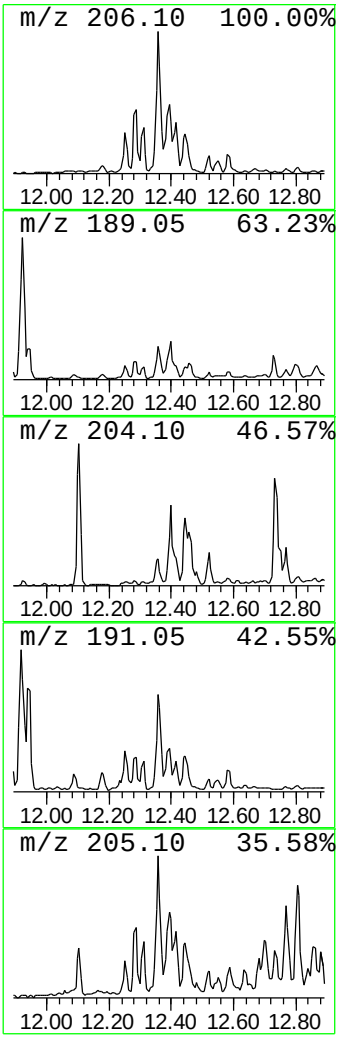
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	5.28 ng	258612	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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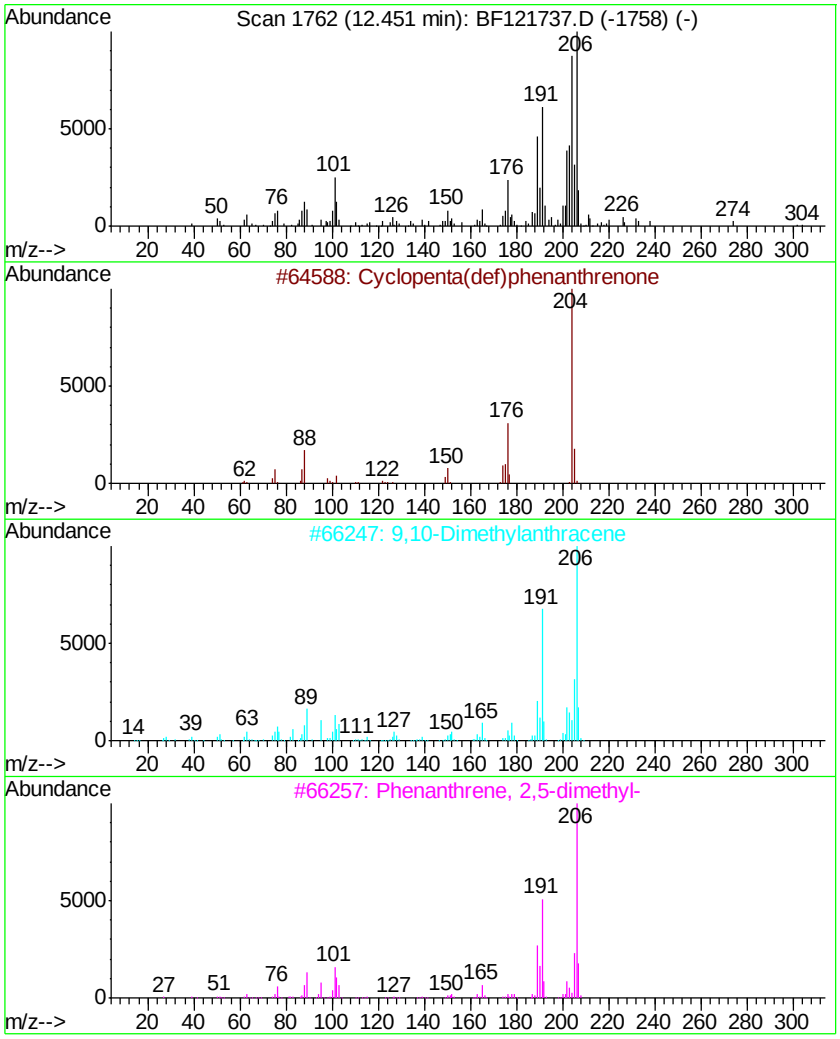
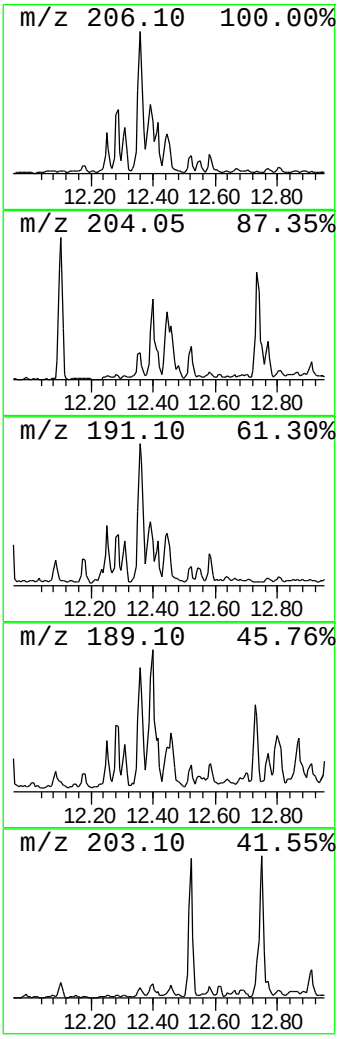
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.96 ng	194145	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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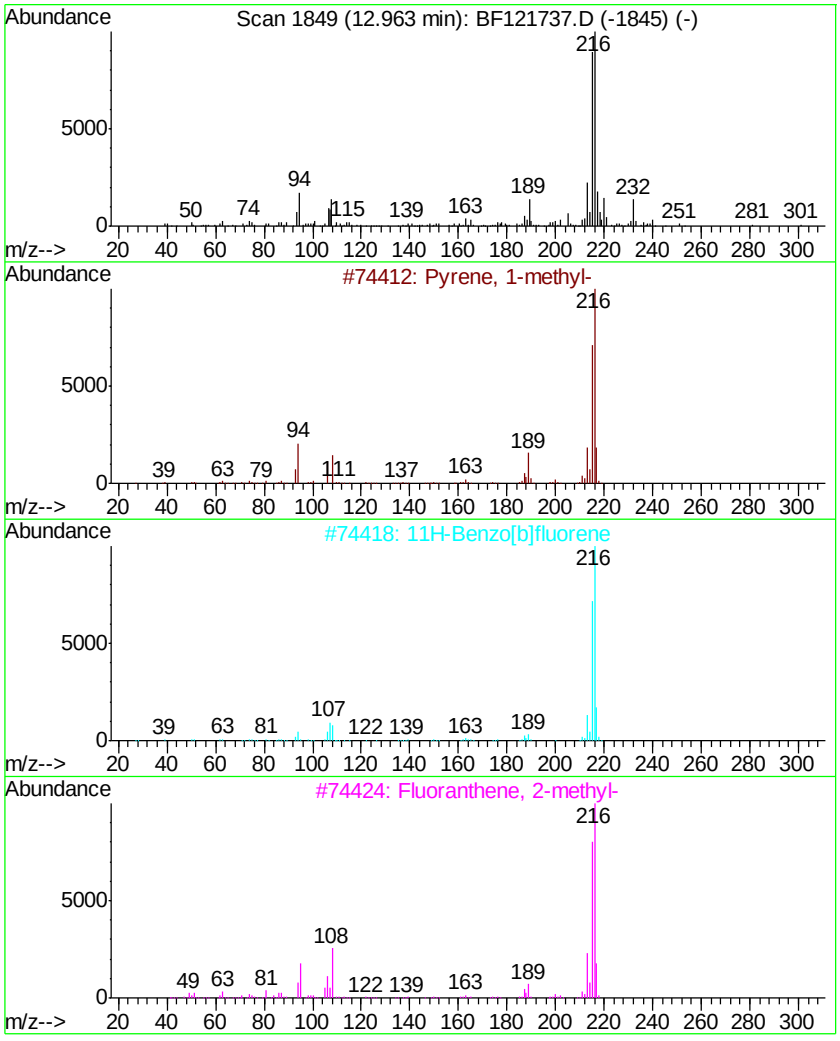
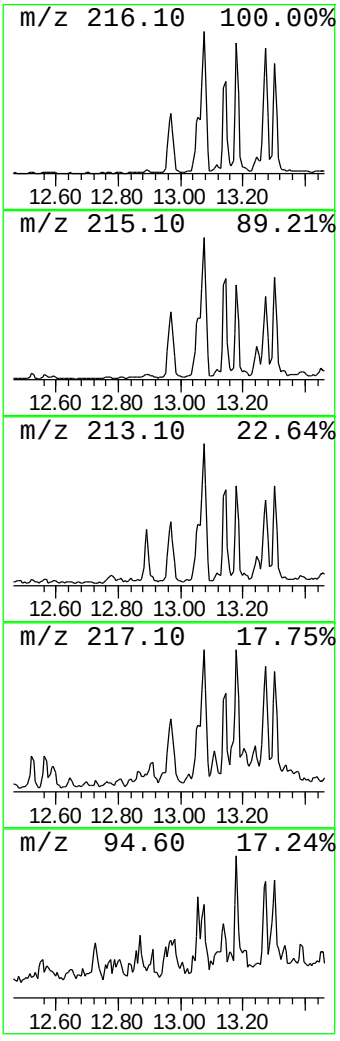
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.39 ng	253447	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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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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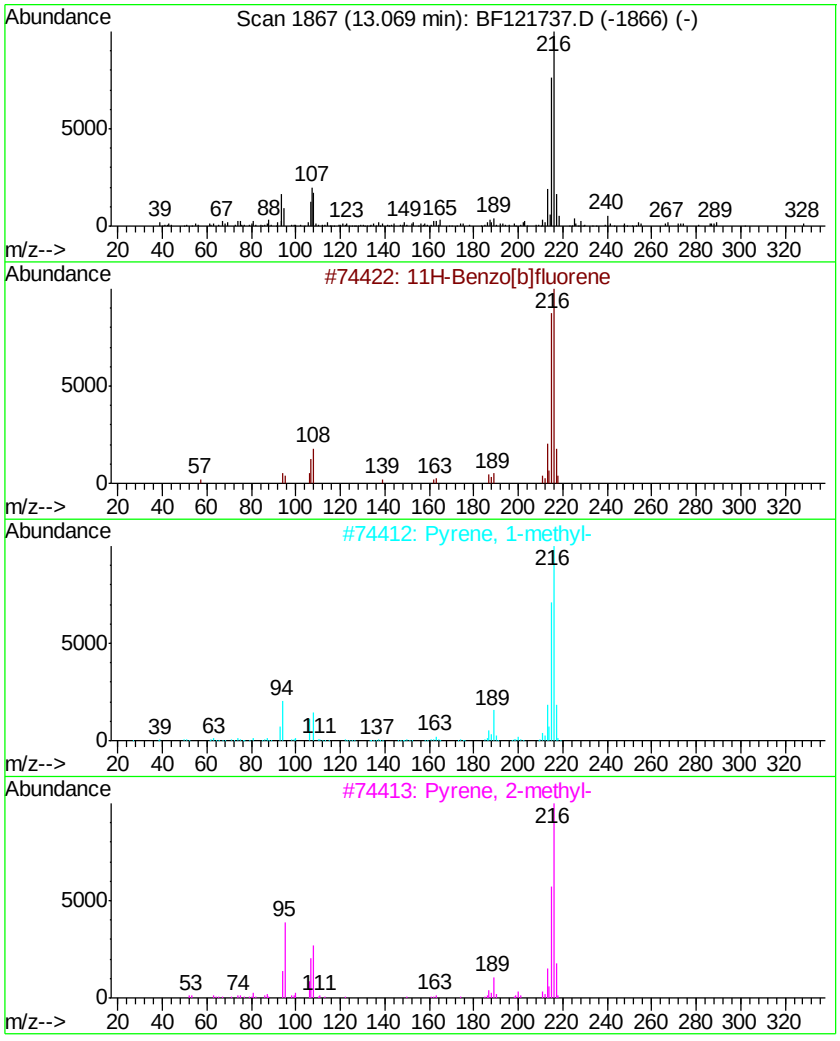
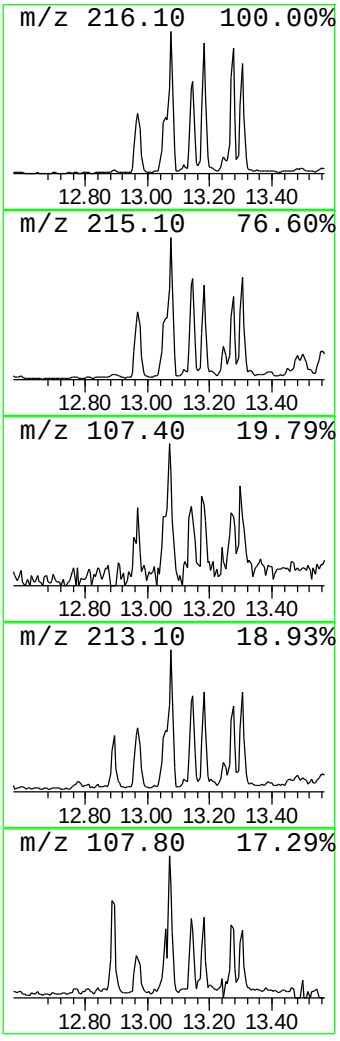
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.84 ng	286628	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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

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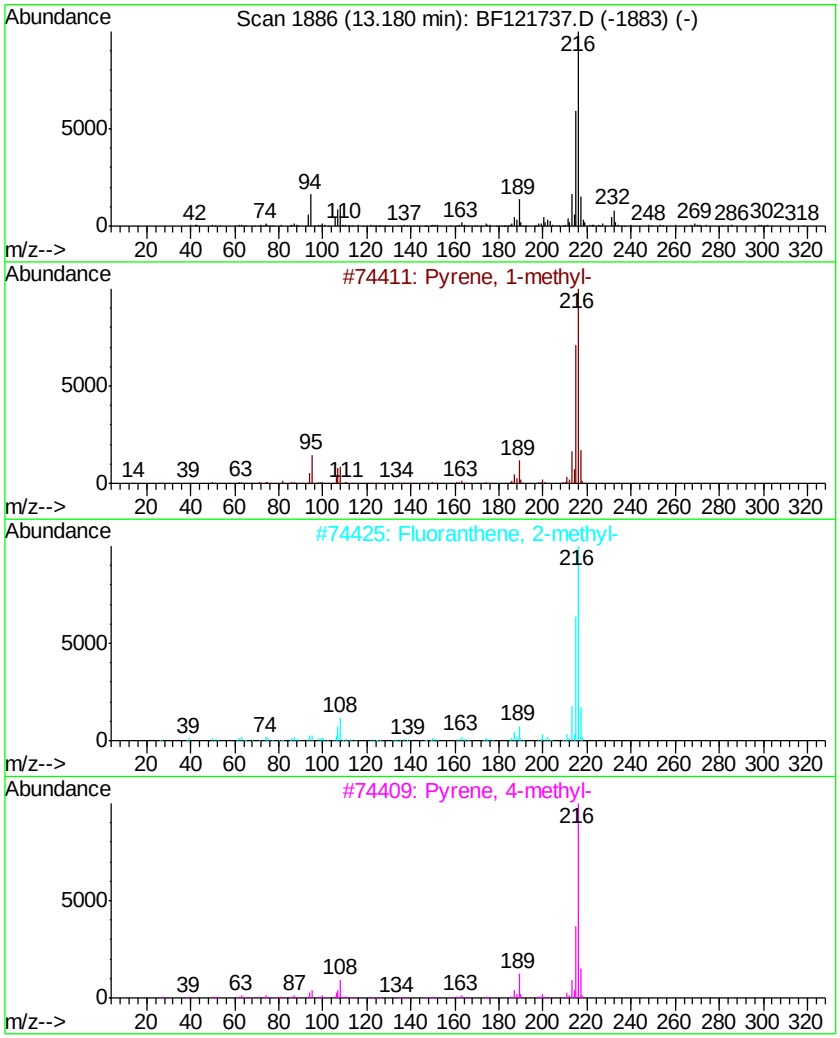
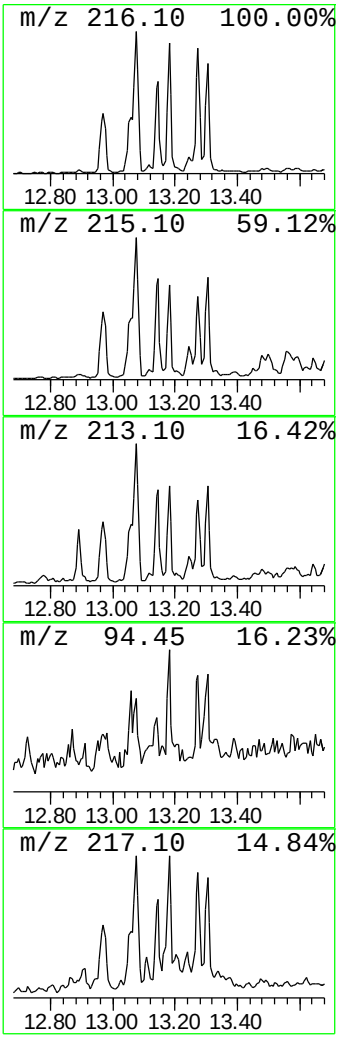
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	3.04 ng	226726	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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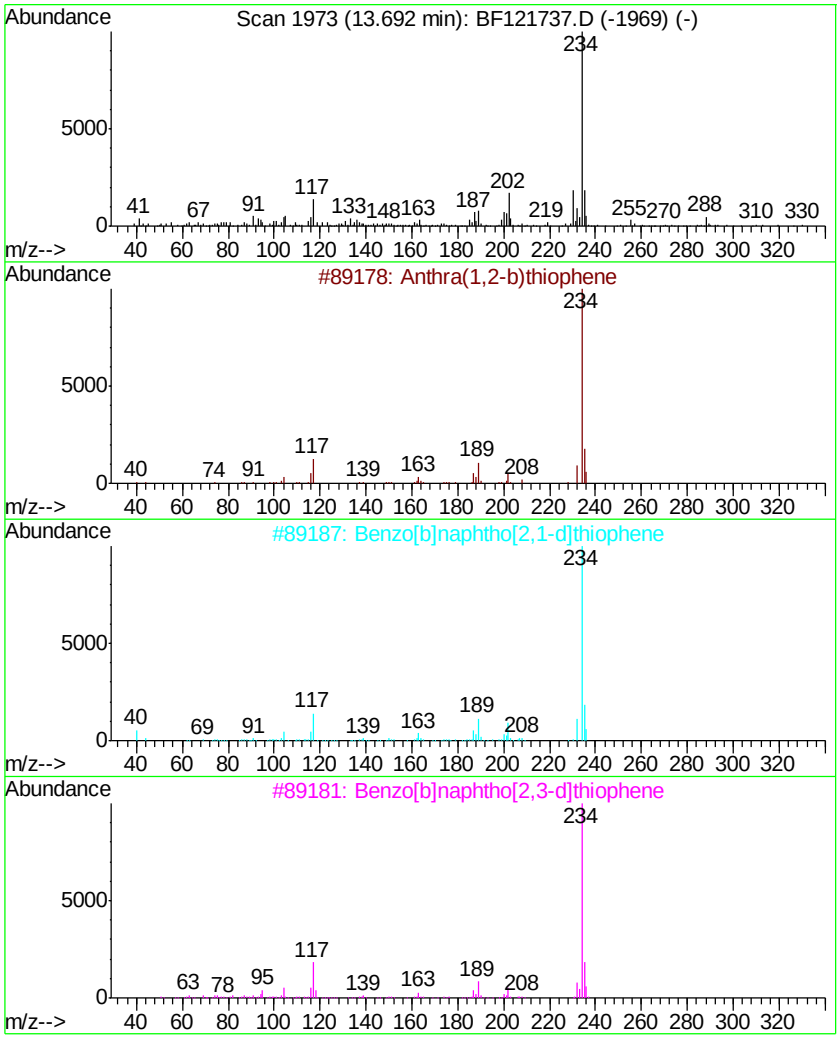
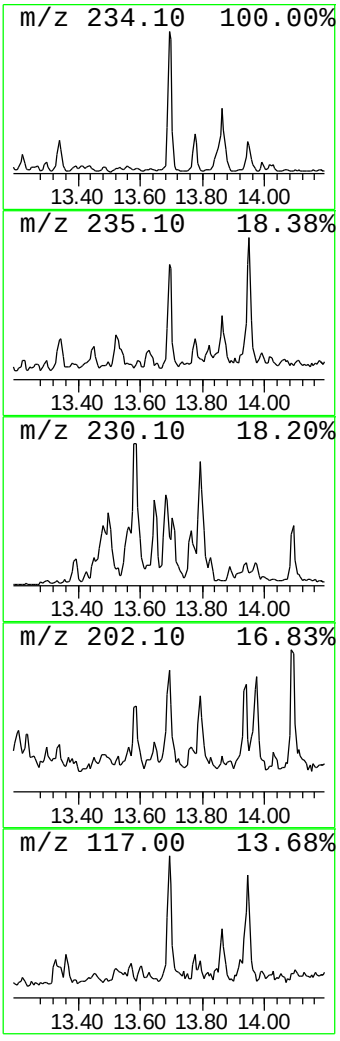
Peak Number 18 Anthra(1,2-b)thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	3.95 ng	295020	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	89
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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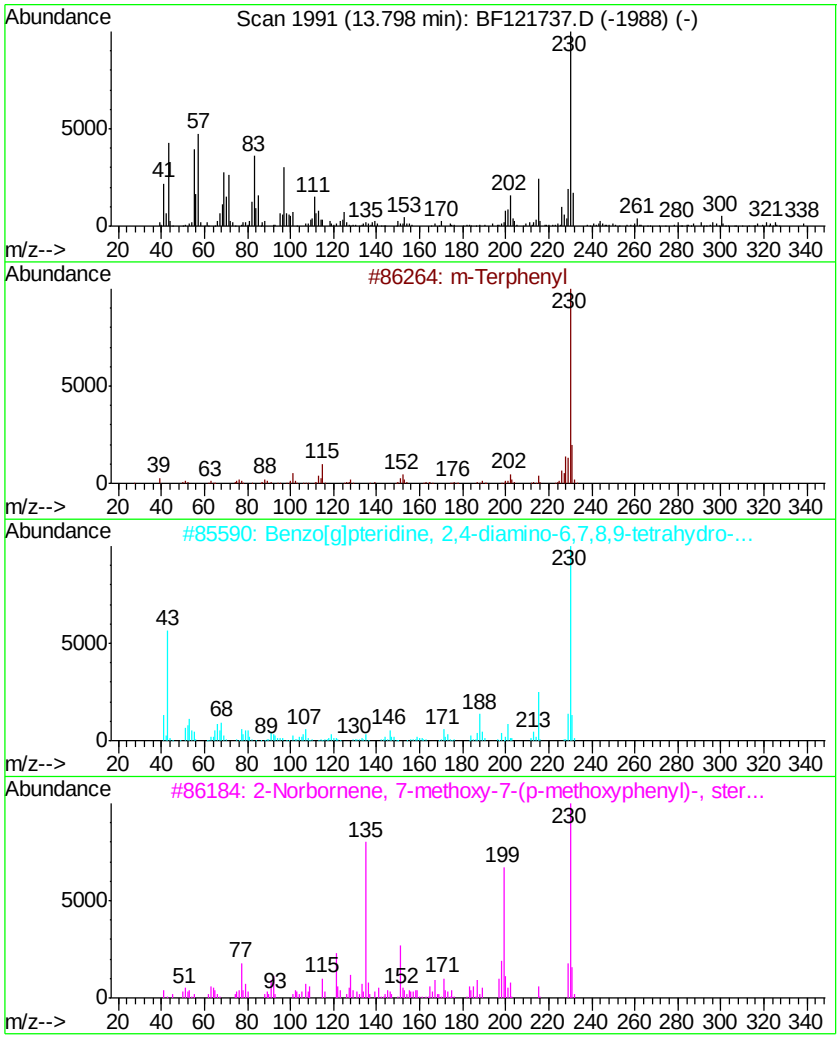
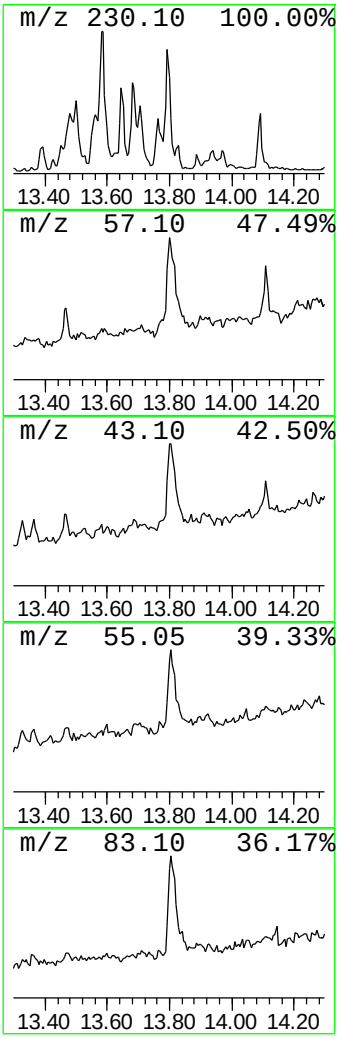
Peak Number 19 m-Terphenyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.98 ng	297263	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Terphenyl	230	C18H14	000092-06-8	50
2	Benzo[g]pteridine, 2,4-diamino-6...	230	C11H14N6	063630-26-2	50
3	2-Norbornene, 7-methoxy-7-(p-met...	230	C15H18O2	027999-78-6	50
4	o-Terphenyl	230	C18H14	000084-15-1	49
5	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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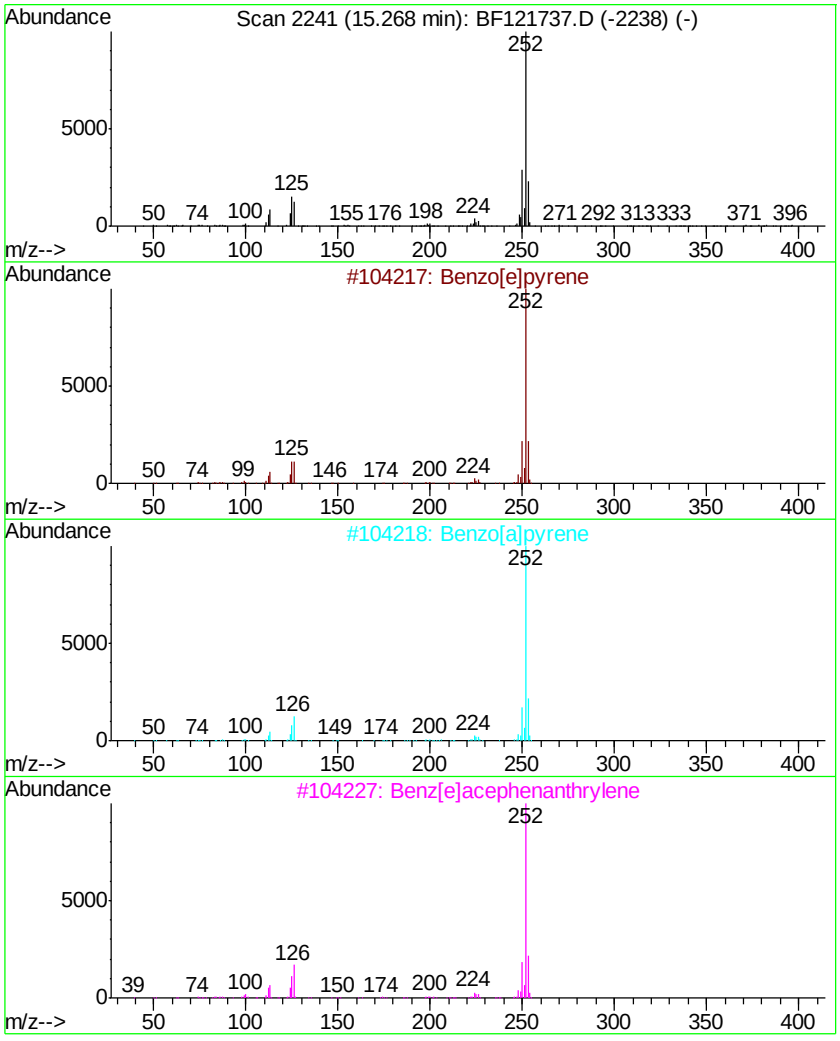
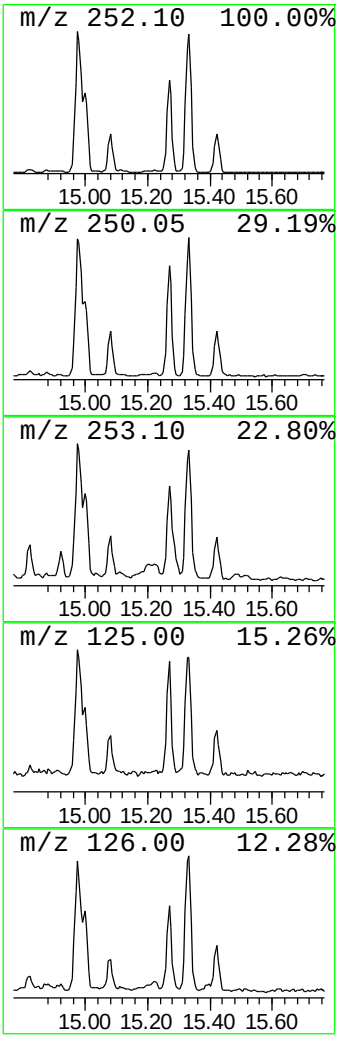
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	10.19 ng	361020	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092920\
Data File : BF121737.D
Acq On : 29 Sep 2020 18:21
Operator : JU/CG
Sample : L3869-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-092820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
(1R)-2,6,6-Trimet...	6.06	8.7	ng	342107	1	6.79	790381	20.0
D-Limonene	6.90	3.2	ng	125087	1	6.79	790381	20.0
9H-Fluorene, 1-me...	10.92	2.9	ng	143425	4	11.30	979545	20.0
Anthracene, 2-met...	11.81	5.6	ng	276143	4	11.30	979545	20.0
Phenanthrene, 2-m...	11.83	7.2	ng	354764	4	11.30	979545	20.0
Phenanthrene, 1-m...	11.88	3.4	ng	167597	4	11.30	979545	20.0
4H-Cyclopenta[def...	11.92	10.7	ng	524779	4	11.30	979545	20.0
1H-Cyclopropa[l]p...	11.94	3.9	ng	191350	4	11.30	979545	20.0
Naphthalene, 2-ph...	12.10	3.3	ng	161244	4	11.30	979545	20.0
Phenanthrene, 1,7...	12.28	2.9	ng	142345	4	11.30	979545	20.0
Phenanthrene, 2,5...	12.36	8.2	ng	403029	4	11.30	979545	20.0
Phenanthrene, 3,6...	12.39	5.3	ng	258612	4	11.30	979545	20.0
Cyclopenta(def)ph...	12.45	4.0	ng	194145	4	11.30	979545	20.0
Pyrene, 1-methyl-	12.96	3.4	ng	253447	5	13.94	1493530	20.0
11H-Benzo[b]fluorene	13.07	3.8	ng	286628	5	13.94	1493530	20.0
Fluoranthene, 2-m...	13.18	3.0	ng	226726	5	13.94	1493530	20.0
Anthra(1,2-b)thio...	13.69	4.0	ng	295020	5	13.94	1493530	20.0
m-Terphenyl	13.80	4.0	ng	297263	5	13.94	1493530	20.0
Benzo[e]pyrene	15.27	10.2	ng	361020	6	15.39	708284	20.0