LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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	5.404	561	564	580	rBV	266770	362334	23.75%	1.511%
2	6.434	735	739	752	rBV	257906	371209	24.33%	1.548%
3	6.792	797	800	818	rVB	831997	744409	48.79%	3.105%
4	7.057	842	845	851	rBV2	13402	18281	1.20%	0.076%
5	7.357	893	896	901	rBV	222555	241625	15.84%	1.008%
6	8.081	1015	1019	1040	rVB	919237	1087345	71.26%	4.536%
7	8.792	1137	1140	1148	rBV	84377	94239	6.18%	0.393%
8	8.892	1153	1157	1166	rVB	113477	122724	8.04%	0.512%
9	9.151	1198	1201	1212	rBV	556118	557099	36.51%	2.324%
10	9.233	1212	1215	1217	rVV	23412	22665	1.49%	0.095%
11	9.257	1217	1219	1224	rVB2	33364	36880	2.42%	0.154%
12	9.351	1233	1235	1241	rVB2	25039	32627	2.14%	0.136%
13	9.422	1243	1247	1251	rBV2	72288	100187	6.57%	0.418%
14	9.492	1256	1259	1262	rVV	140279	147744	9.68%	0.616%
15	9.522	1262	1264	1266	rVV	81129	73992	4.85%	0.309%
16	9.551	1266	1269	1276	rVV2	82646	112678	7.38%	0.470%
17	9.610	1276	1279	1284	rVB	71772	79477	5.21%	0.332%
18	9.692	1291	1293	1298	rBV	149272	133742	8.77%	0.558%
19	9.763	1303	1305	1310	rVB	24031	21703	1.42%	0.091%
20	9.833	1310	1317	1320	rBV	1273169	1157292	75.85%	4.827%
21	9.869	1320	1323	1327	rVB	212732	212885	13.95%	0.888%
22	9.939	1332	1335	1340	rBV2	41376	52408	3.43%	0.219%
23	9.992	1340	1344	1346	rBV3	20712	31634	2.07%	0.132%
24	10.039	1348	1352	1356	rVV2	171413	179858	11.79%	0.750%
25	10.075	1356	1358	1362	rVB	59456	57127	3.74%	0.238%
26	10.151	1367	1371	1374	rBV2	66451	77246	5.06%	0.322%
27	10.180	1374	1376	1378	rVV	46523	36507	2.39%	0.152%
28	10.239	1382	1386	1388	rBV3	53361	67810	4.44%	0.283%
29	10.263	1388	1390	1392	rVB2	54921	42115	2.76%	0.176%
30	10.333	1397	1402	1404	rBV5	28829	39167	2.57%	0.163%
31	10.380	1407	1410	1416	rVV	337979	349746	22.92%	1.459%
32	10.445	1416	1421	1423	rVV2	39153	58115	3.81%	0.242%
33	10.469	1423	1425	1427	rVV3	45685	48220	3.16%	0.201%
34	10.492	1427	1429	1432	rVV2	40401	43184	2.83%	0.180%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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	10.539	1434	1437	1440	rVB	66316	67229	4.41%	0.280%
36	10.627	1445	1452	1463	rBV2	279776	390834	25.61%	1.630%
37	10.751	1468	1473	1479	rVB3	81279	120218	7.88%	0.501%
38	10.822	1482	1485	1487	rBV3	25553	20194	1.32%	0.084%
39	10.927	1499	1503	1506	rBV2	94887	128458	8.42%	0.536%
40	10.957	1506	1508	1511	rVV2	85740	78218	5.13%	0.326%
41	11.016	1515	1518	1521	rVV	55864	52070	3.41%	0.217%
42	11.057	1521	1525	1527	rVV2	35940	51476	3.37%	0.215%
43	11.080	1527	1529	1534	rVV2	46773	51459	3.37%	0.215%
44	11.127	1534	1537	1540	rVV3	39585	39806	2.61%	0.166%
45	11.186	1541	1547	1549	rVV3	56193	89457	5.86%	0.373%
46	11.216	1549	1552	1558	rVB	208328	199285	13.06%	0.831%
47	11.322	1566	1570	1572	rBV	1228231	1113386	72.97%	4.644%
48	11.345	1572	1574	1578	rVV	1743898	1525848	100.00%	6.365%
49	11.398	1580	1583	1586	rVV	409881	376160	24.65%	1.569%
50	11.433	1586	1589	1592	rVV2	88678	110774	7.26%	0.462%
51	11.480	1595	1597	1603	rVV4	37469	69844	4.58%	0.291%
52	11.557	1606	1610	1616	rVV	132235	173663	11.38%	0.724%
53	11.616	1617	1620	1623	rVV2	84371	85596	5.61%	0.357%
54	11.651	1623	1626	1632	rVB2	106045	128332	8.41%	0.535%
55	11.739	1637	1641	1645	rVB	77279	87824	5.76%	0.366%
56	11.780	1645	1648	1650	rBV3	28467	30426	1.99%	0.127%
57	11.821	1652	1655	1658	rVV	312608	309447	20.28%	1.291%
58	11.851	1658	1660	1664	rVB	406796	327814	21.48%	1.367%
59	11.898	1665	1668	1671	rBV	109011	106883	7.00%	0.446%
60	11.933	1671	1674	1677	rVV	472451	515403	33.78%	2.150%
61	11.957	1677	1678	1683	rVB	230067	166834	10.93%	0.696%
62	12.021	1684	1689	1693	rBV3	58434	85930	5.63%	0.358%
63	12.057	1693	1695	1698	rBV	57117	46282	3.03%	0.193%
64	12.116	1702	1705	1708	rVV	163075	172930	11.33%	0.721%
65	12.151	1708	1711	1716	rVB2	100971	109602	7.18%	0.457%
66	12.192	1716	1718	1720	rBV	23726	20625	1.35%	0.086%
67	12.251	1725	1728	1729	rBV	58963	46689	3.06%	0.195%
68	12.269	1729	1731	1733	rVV	65623	47330	3.10%	0.197%
69	12.298	1733	1736	1738	rVV2	147802	132385	8.68%	0.552%
70	12.321	1738	1740	1743	rVB2	86758	77282	5.06%	0.322%
71	12.374	1745	1749	1751	rBV	247183	243809	15.98%	1.017%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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	12.410	1751	1755	1757	rVV3	167286	201708	13.22%	0.841%
73	12.433	1757	1759	1761	rVB	62724	48843	3.20%	0.204%
74	12.463	1761	1764	1768	rBV3	95048	148111	9.71%	0.618%
75	12.498	1768	1770	1772	rVB	40902	31816	2.09%	0.133%
76	12.539	1773	1777	1780	rBV	1452454	1300825	85.25%	5.426%
77	12.580	1782	1784	1786	rVV	54033	53032	3.48%	0.221%
78	12.633	1790	1793	1795	rBV2	52249	43663	2.86%	0.182%
79	12.686	1800	1802	1805	rBV2	77951	75863	4.97%	0.316%
80	12.768	1809	1816	1822	rBV	1227694	1512496	99.12%	6.309%
81	12.821	1822	1825	1829	rVB2	91181	105773	6.93%	0.441%
82	12.880	1833	1835	1836	rBV	57133	47599	3.12%	0.199%
83	12.904	1836	1839	1842	rBV	525713	425814	27.91%	1.776%
84	12.986	1849	1853	1859	rBV5	106783	189217	12.40%	0.789%
85	13.039	1860	1862	1864	rBV3	52134	43680	2.86%	0.182%
86	13.092	1868	1871	1874	rVB	267641	267147	17.51%	1.114%
87	13.139	1877	1879	1880	rVV	70767	56433	3.70%	0.235%
88	13.163	1880	1883	1885	rVV	180018	171481	11.24%	0.715%
89	13.198	1886	1889	1897	rVB2	186626	230004	15.07%	0.959%
90	13.292	1902	1905	1907	rBV	119733	95943	6.29%	0.400%
91	13.321	1907	1910	1913	rBV	125781	118379	7.76%	0.494%
92	13.515	1941	1943	1946	rVB	86733	78076	5.12%	0.326%
93	13.715	1975	1977	1979	rVB	95862	76126	4.99%	0.318%
94	13.739	1979	1981	1983	rBV	69019	49481	3.24%	0.206%
95	13.963	2014	2019	2022	rBV2	1060338	1450217	95.04%	6.049%
96	13.992	2022	2024	2027	rVB	465378	366999	24.05%	1.531%
97	15.004	2192	2196	2203	rVB	360354	669750	43.89%	2.794%
98	15.298	2244	2246	2251	rVB	262753	285408	18.70%	1.191%
99	15.362	2253	2257	2263	rVV	382650	518619	33.99%	2.163%
100	15.421	2263	2267	2282	rVB2	662785	1096673	71.87%	4.575%

Sum of corrected areas: 23973252

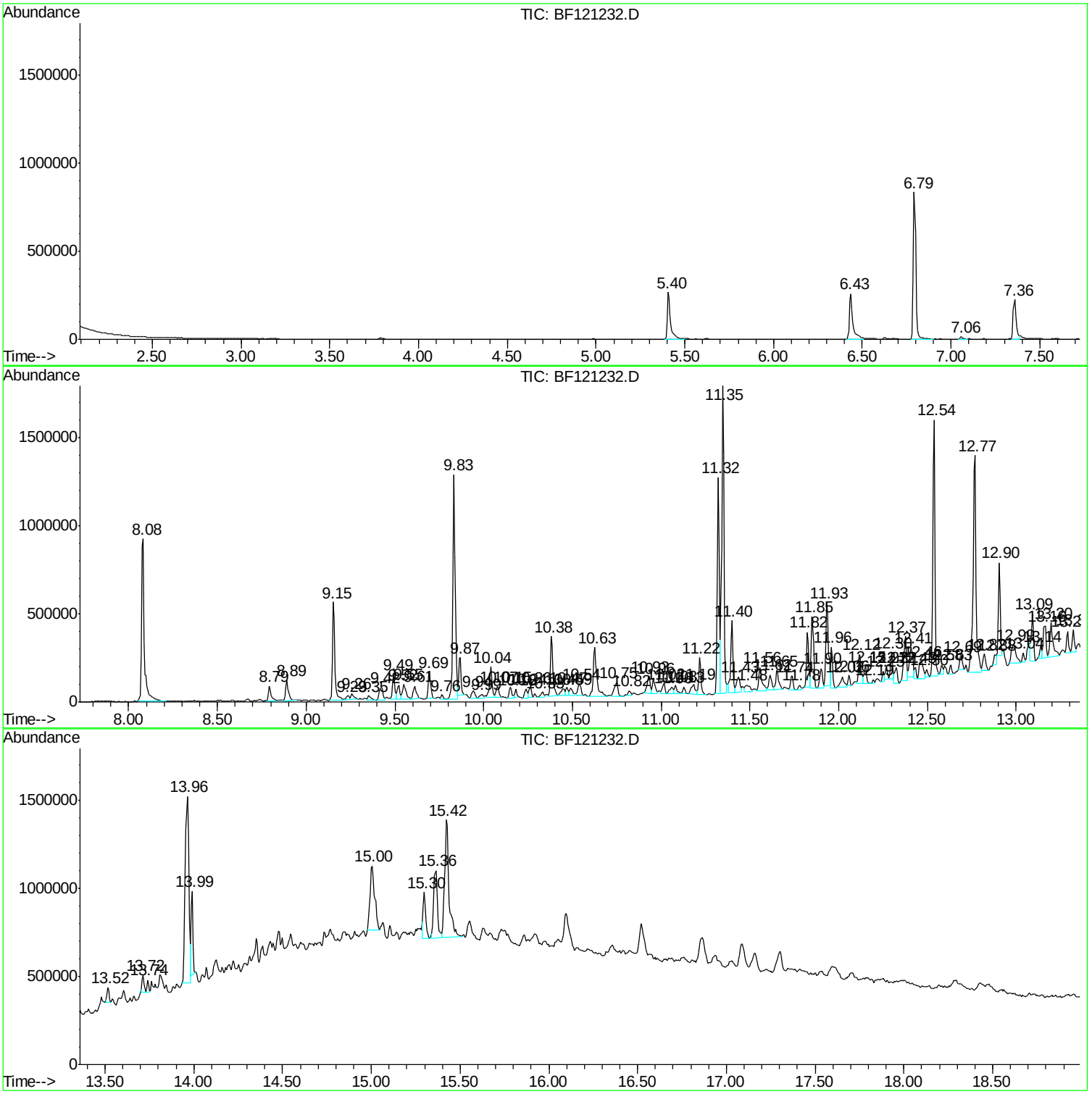
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
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Sample : L3586-02 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 8420

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

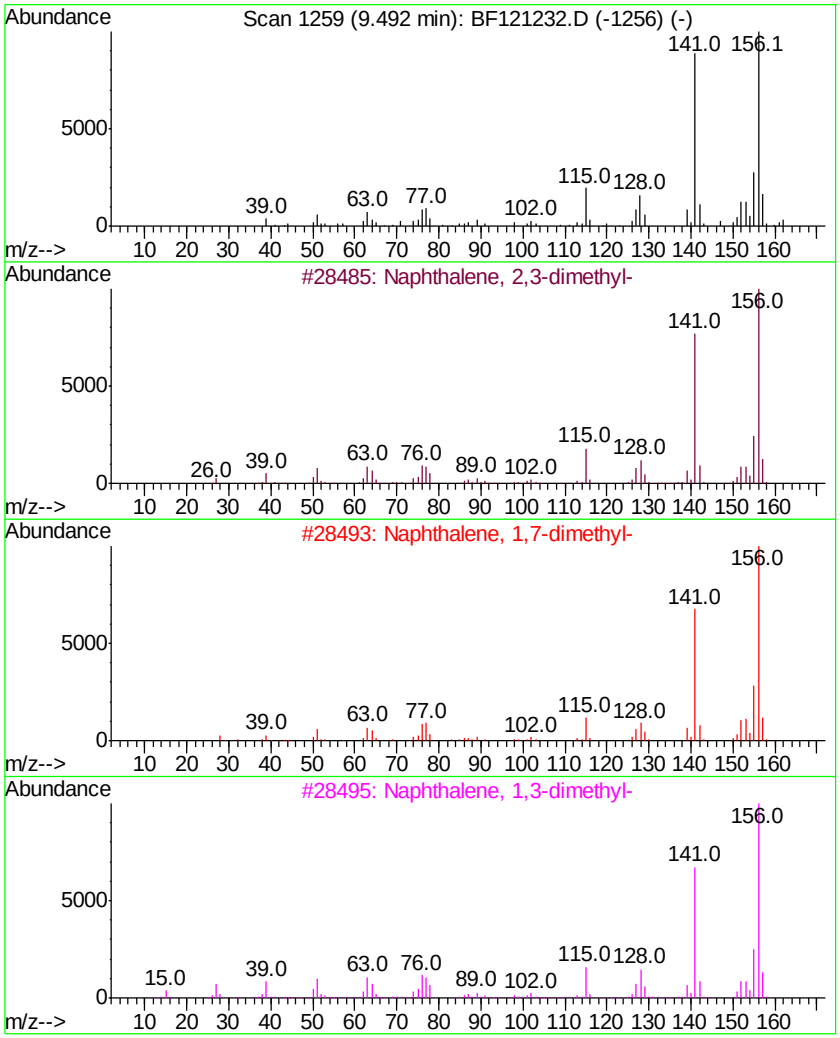
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

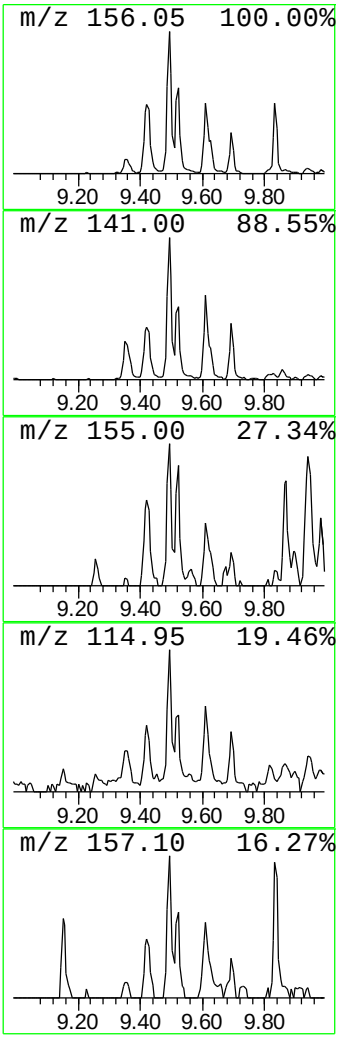
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	2.55 ng	147744	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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

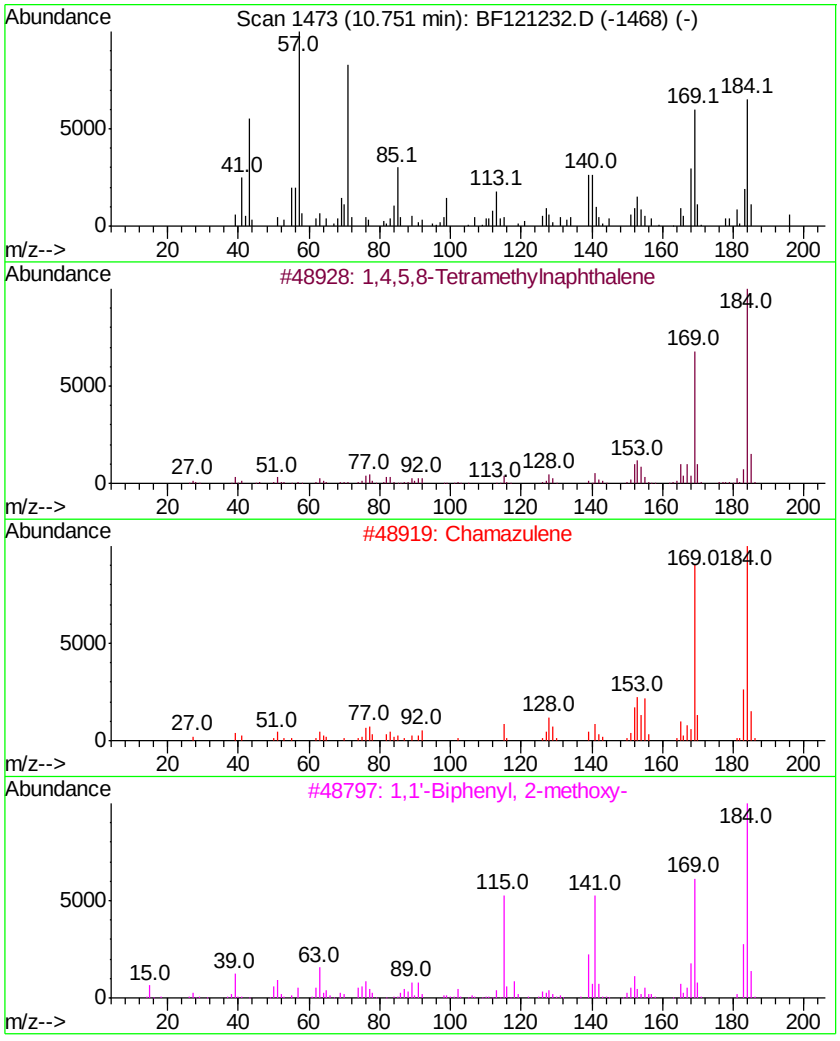
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

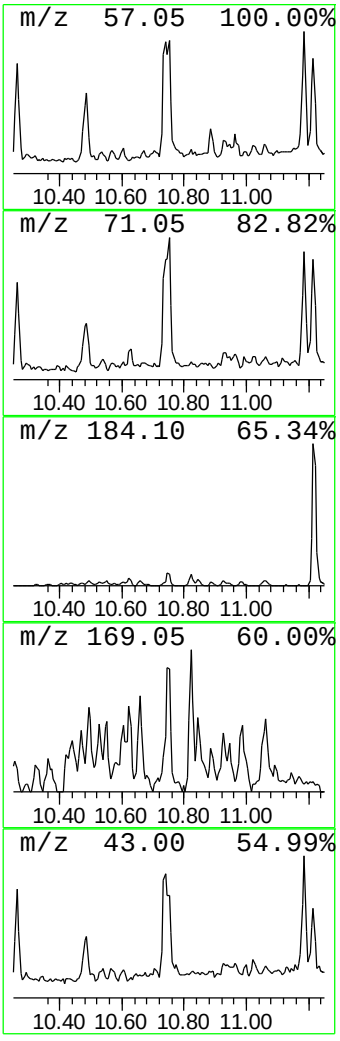
****

Peak Number 2 1,4,5,8-Tetramethylnaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	2.16 ng	120218	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	70
2	Chamazulene	184	C14H16	000529-05-5	55
3	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	41
4	Dodecane	170	C12H26	000112-40-3	38
5	1,3-Diethyl-2-vinyl-2-methyl-1,3...	184	C9H20N2Si	051169-45-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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

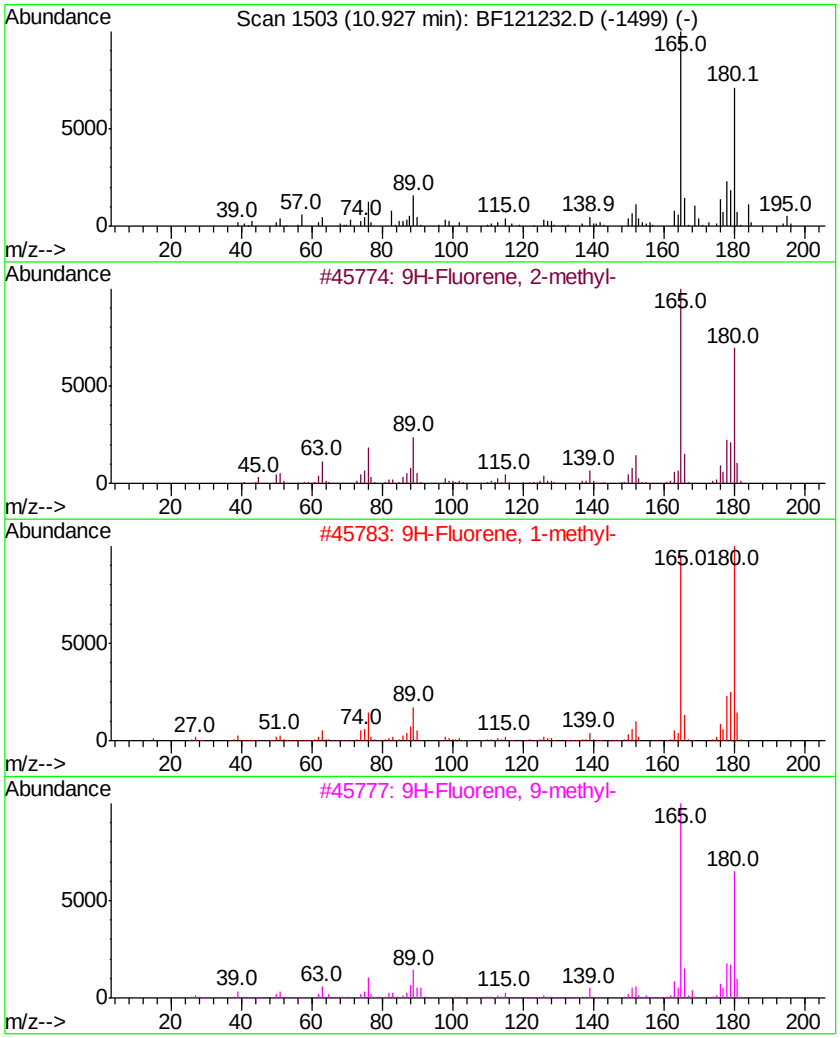
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

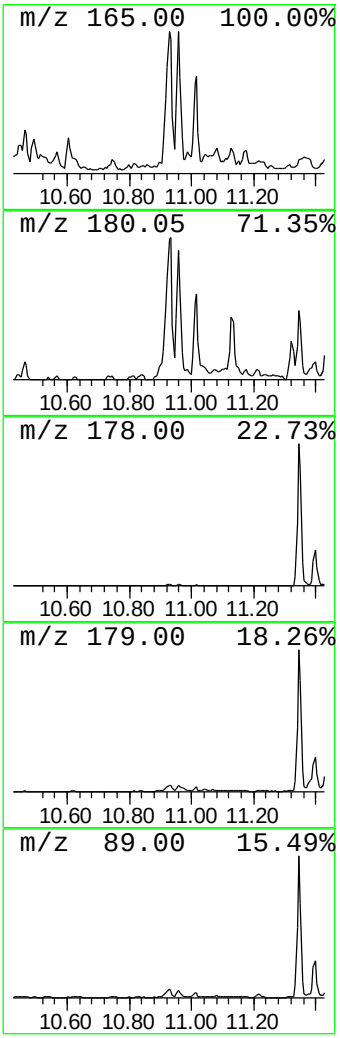
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	2.31 ng	128458	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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

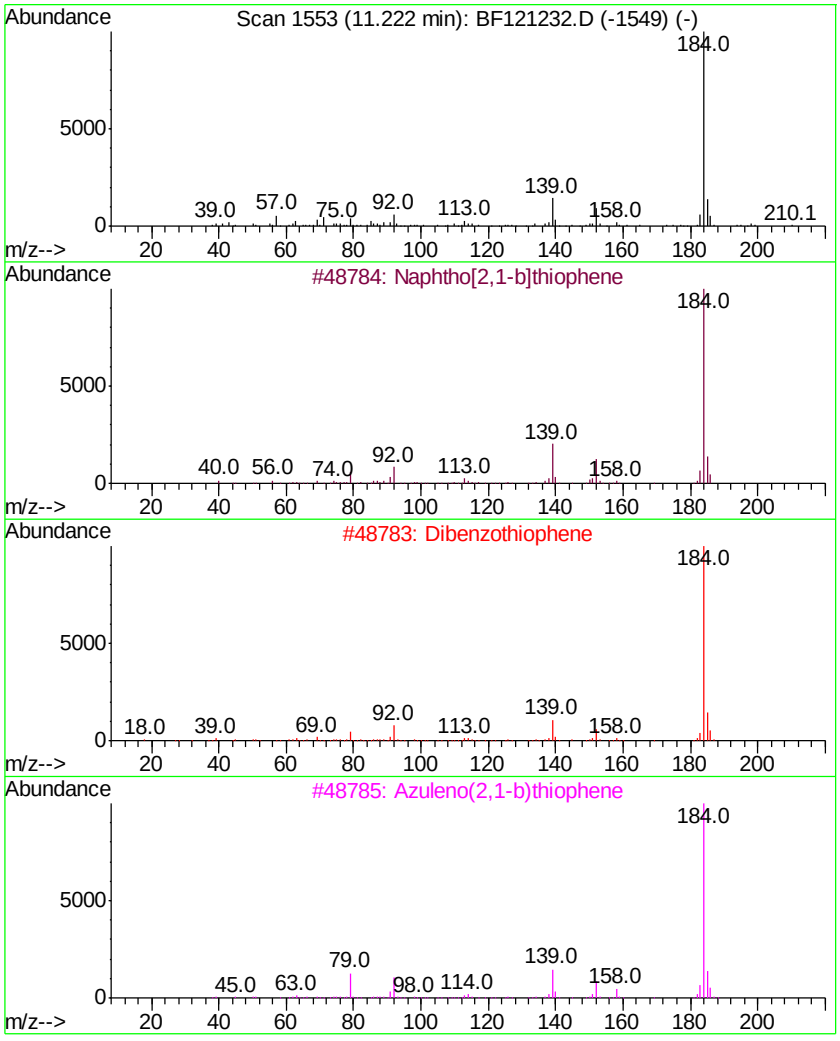
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

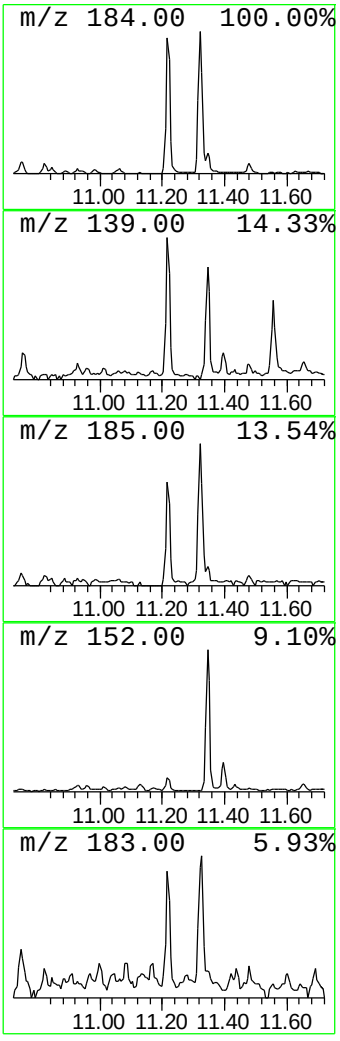
****

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.58 ng	199285	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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

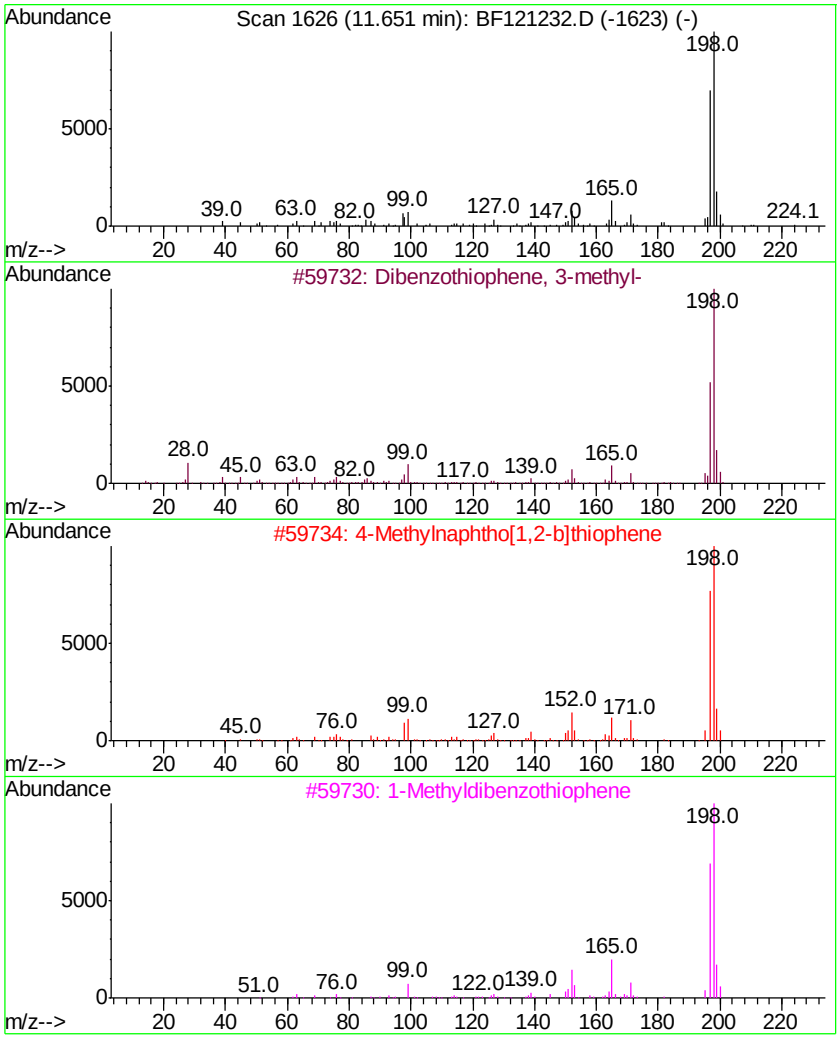
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

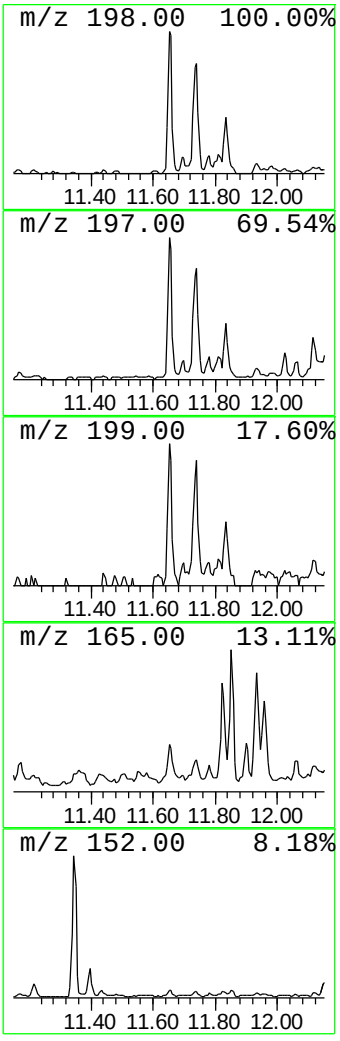
****

Peak Number 5 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	2.31 ng	128332	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	97
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Operator : JU/CG
Sample : L3586-02 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 8420

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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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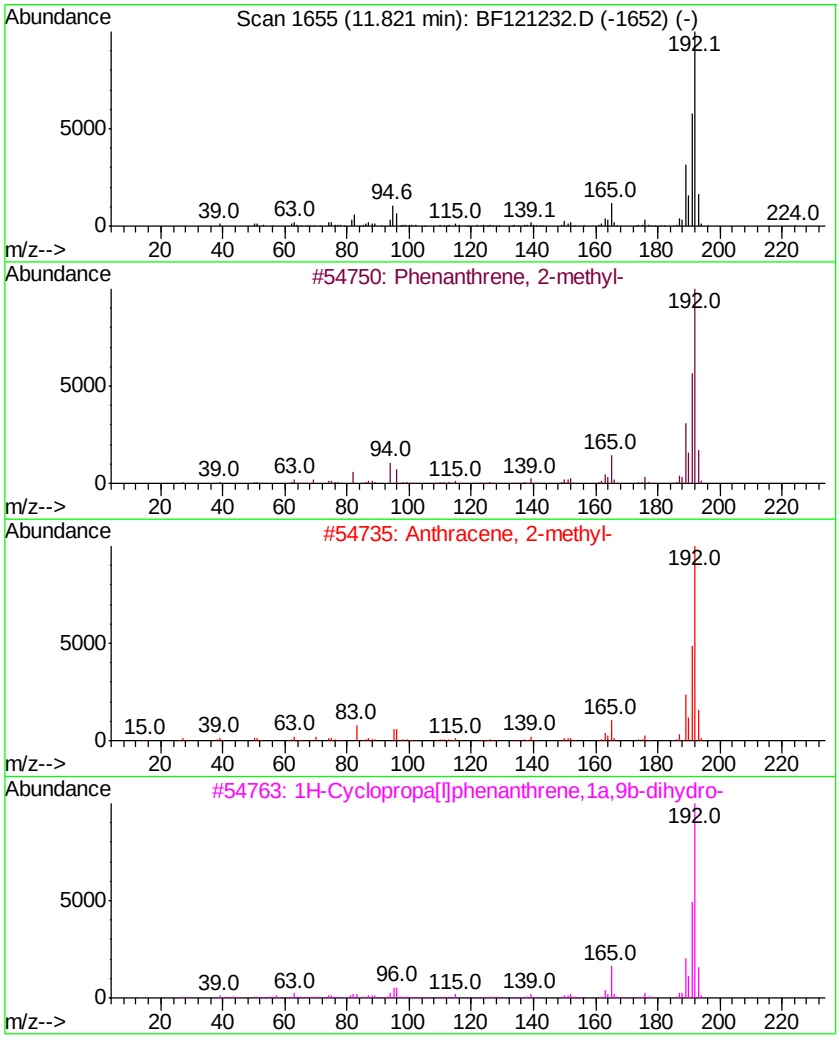
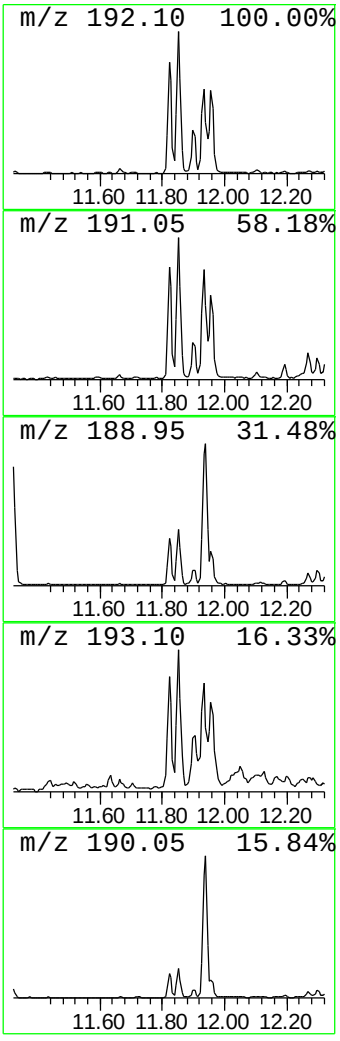
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	5.56 ng	309447	Phenanthrene-d10	11.32

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Instrument : BNA_F
ClientSampleId : 8420

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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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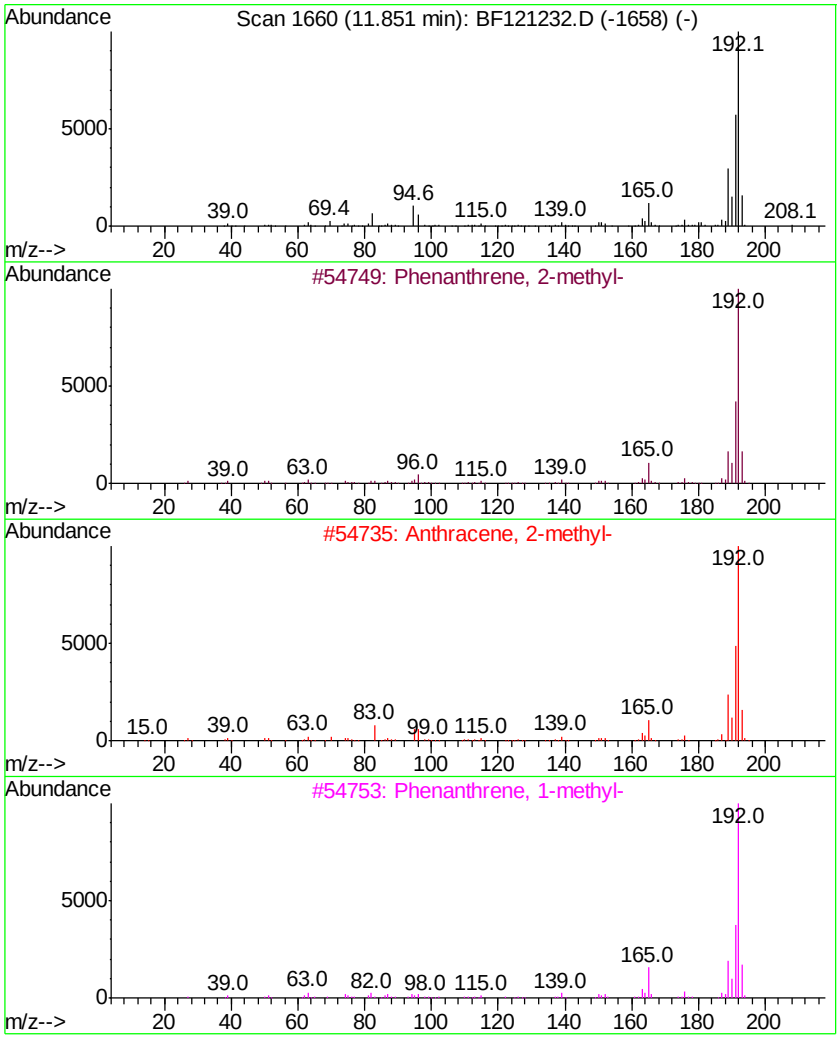
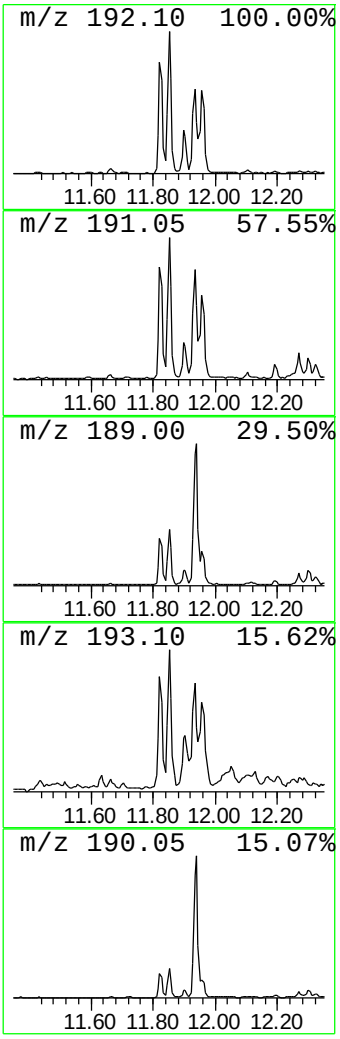
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	5.89 ng	327814	Phenanthrene-d10	11.32

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Instrument : BNA_F
ClientSampleId : 8420

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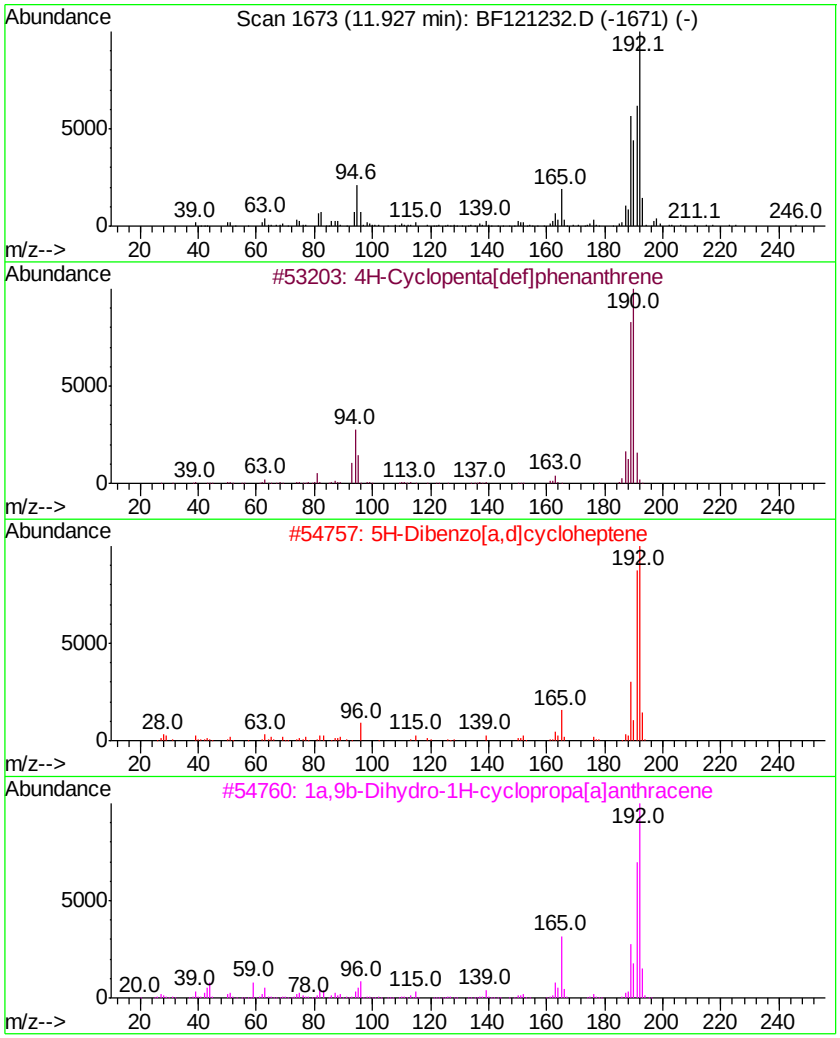
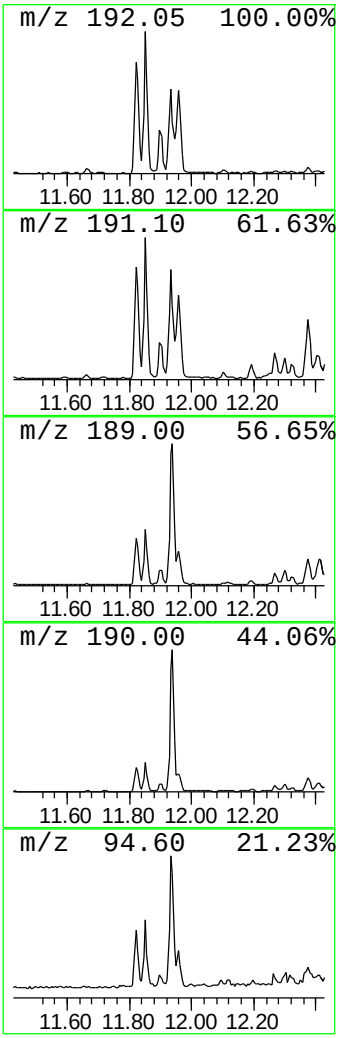
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	9.26 ng	515403	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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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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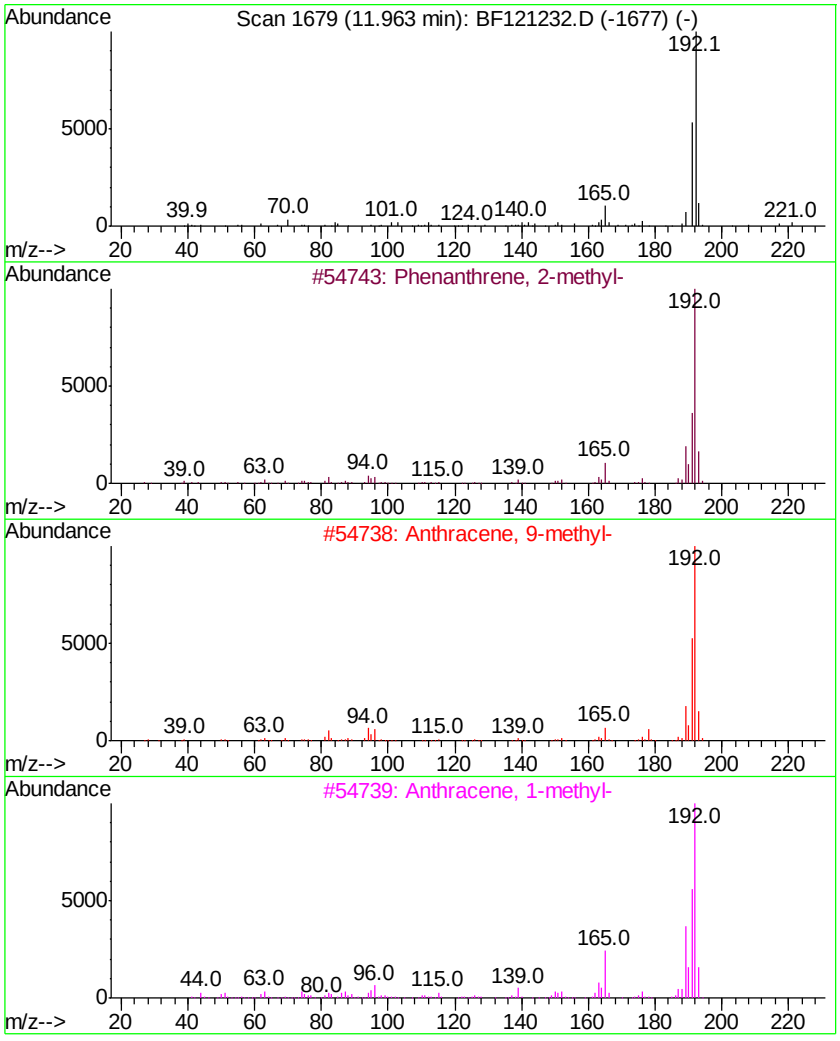
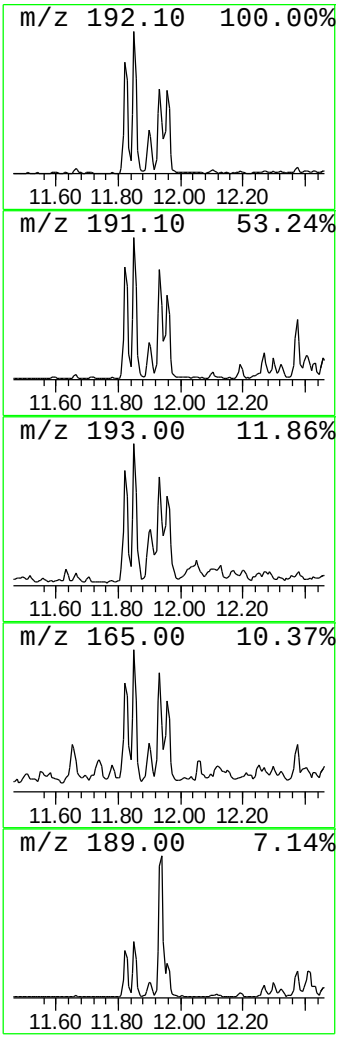
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.00 ng	166834	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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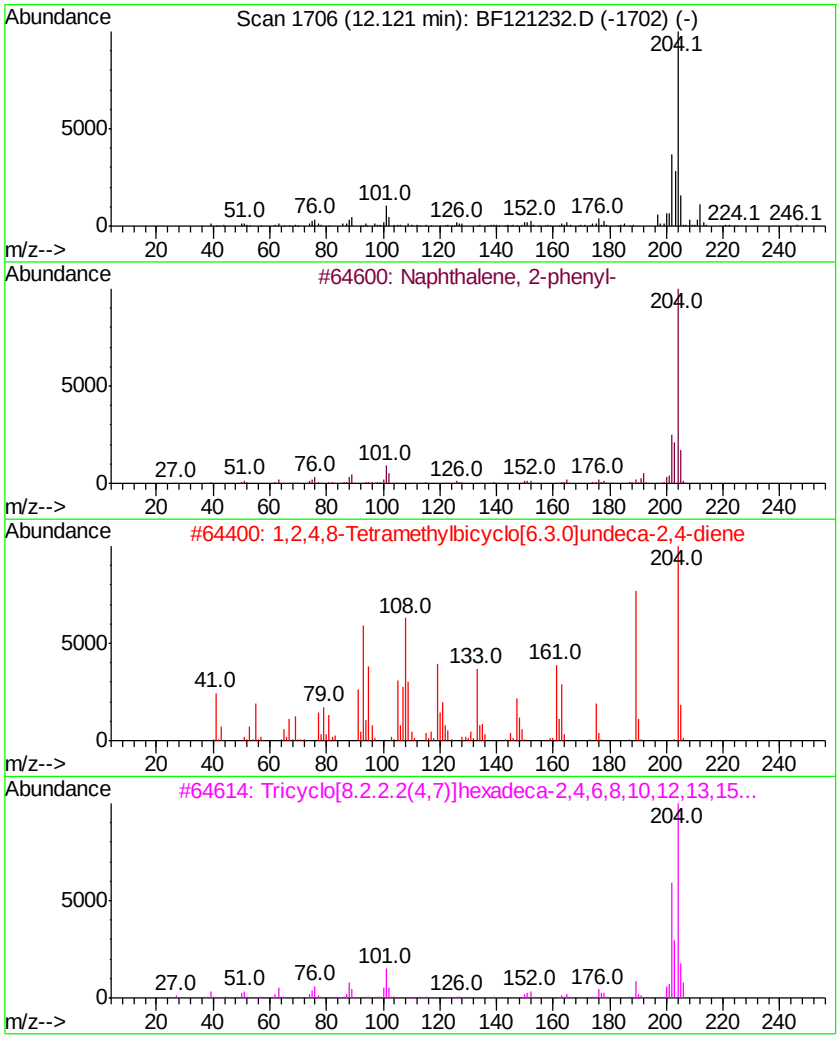
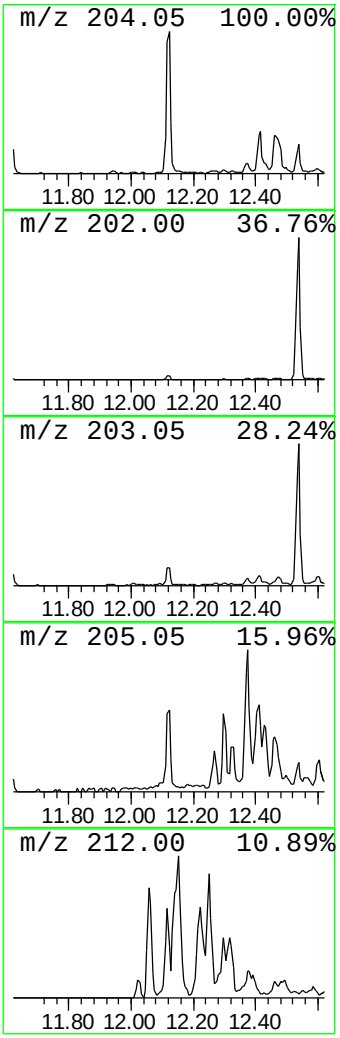
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.11 ng	172930	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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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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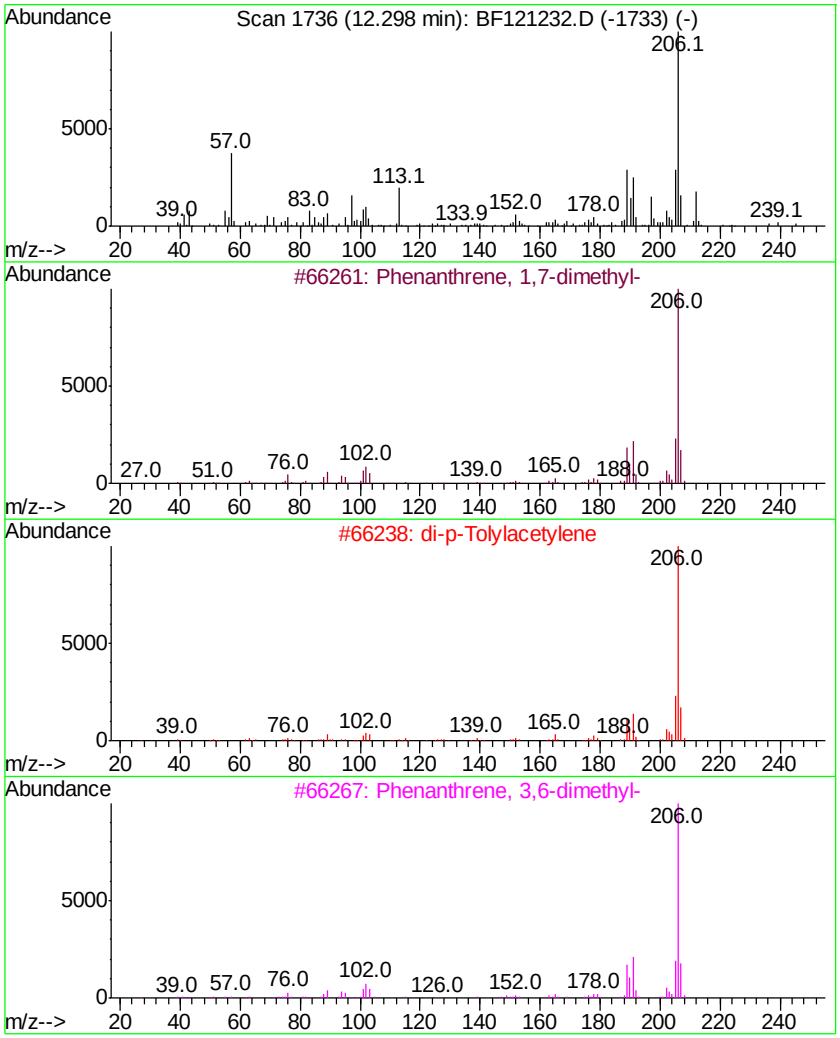
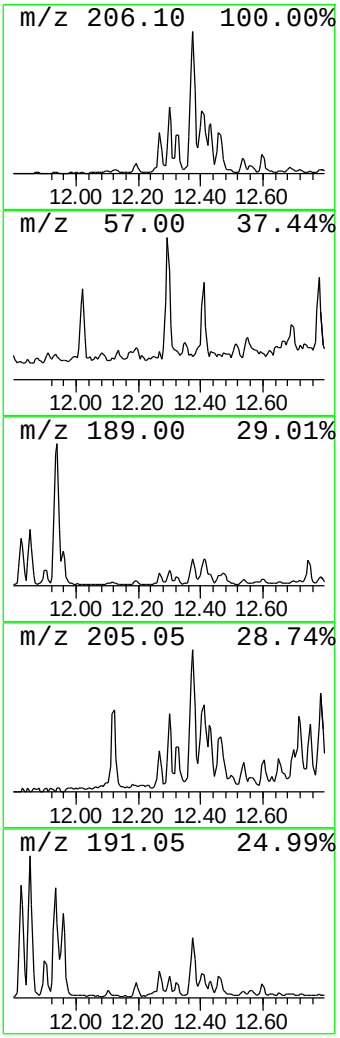
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.38 ng	132385	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64





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Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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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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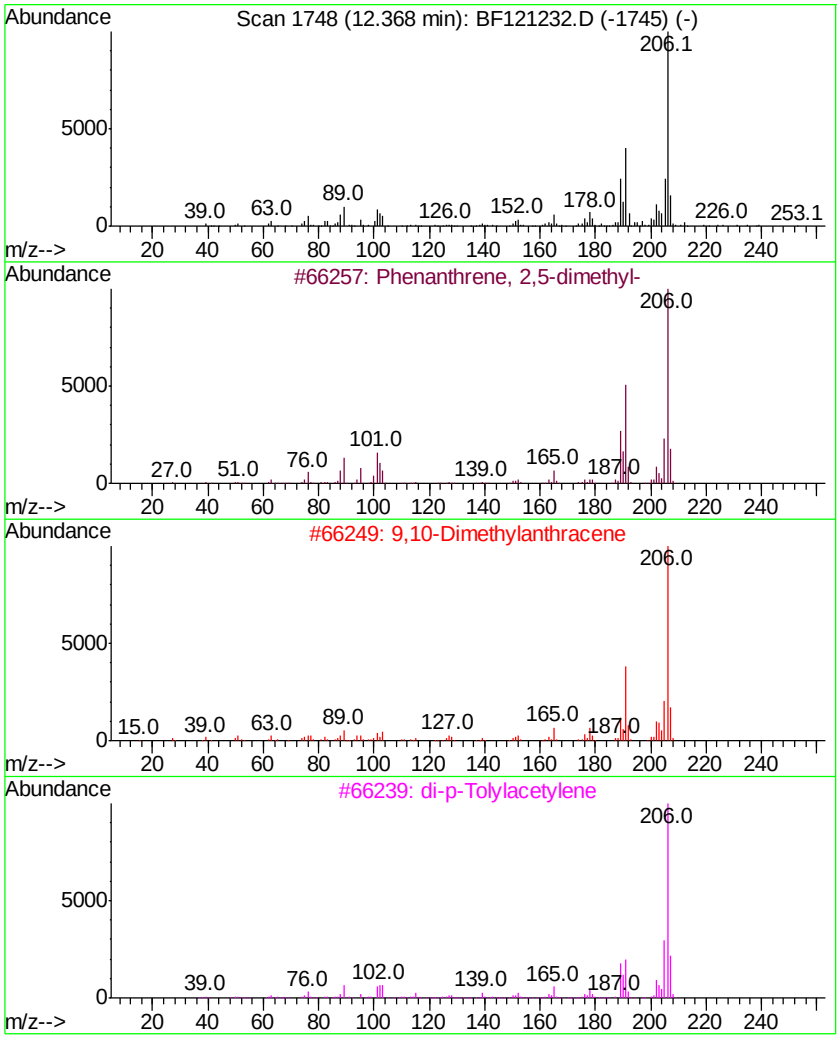
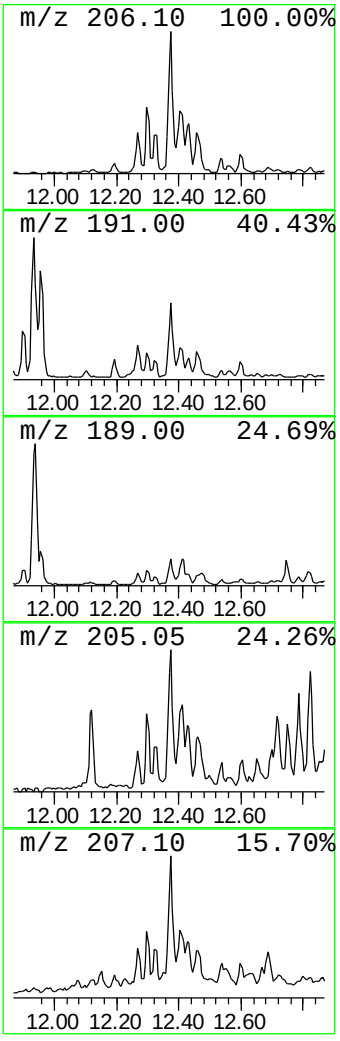
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.38 ng	243809	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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ClientSampleId : 8420

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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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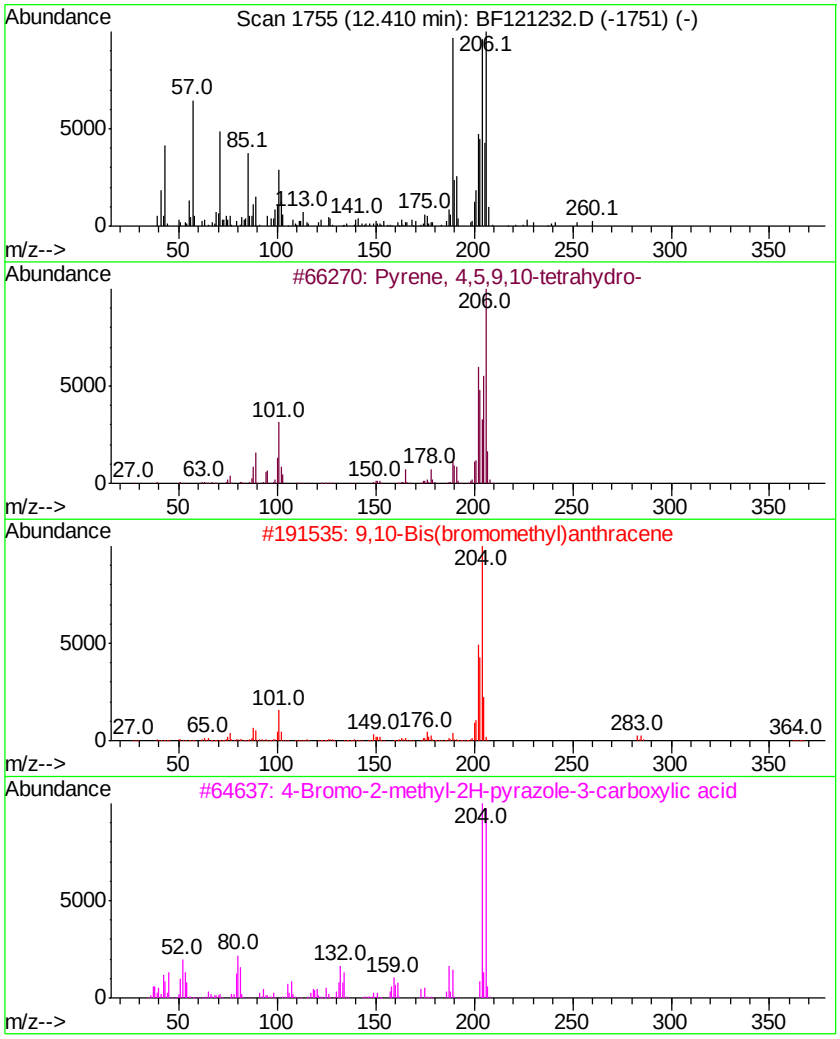
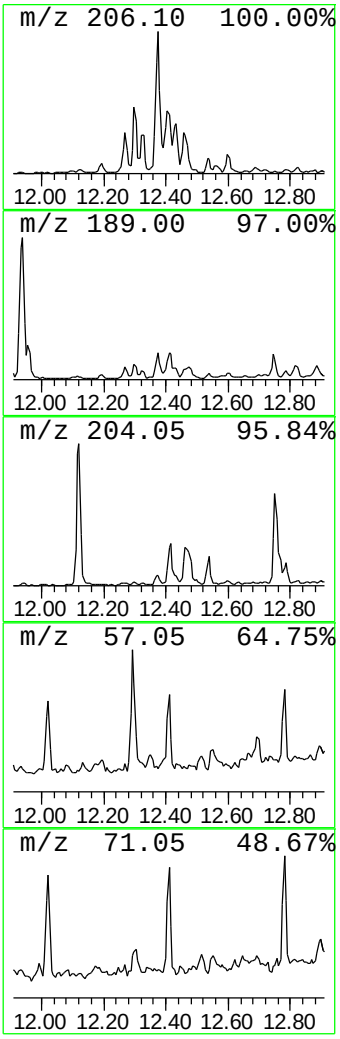
Peak Number 13 unknown12.41 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	3.62 ng	201708	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27
3	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	27
4	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	25





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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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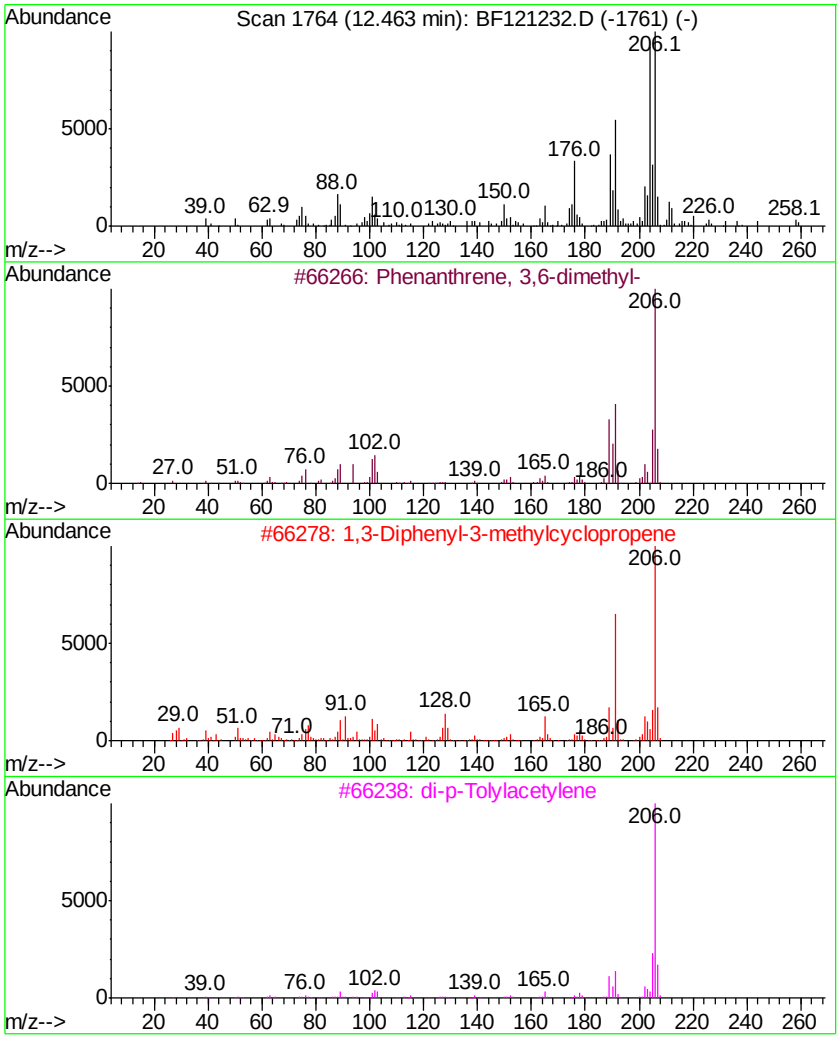
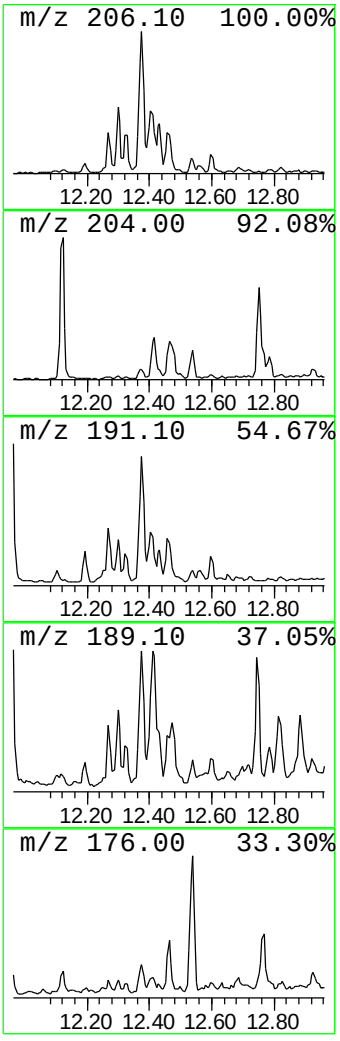
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.66 ng	148111	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	60
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	55
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	50





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

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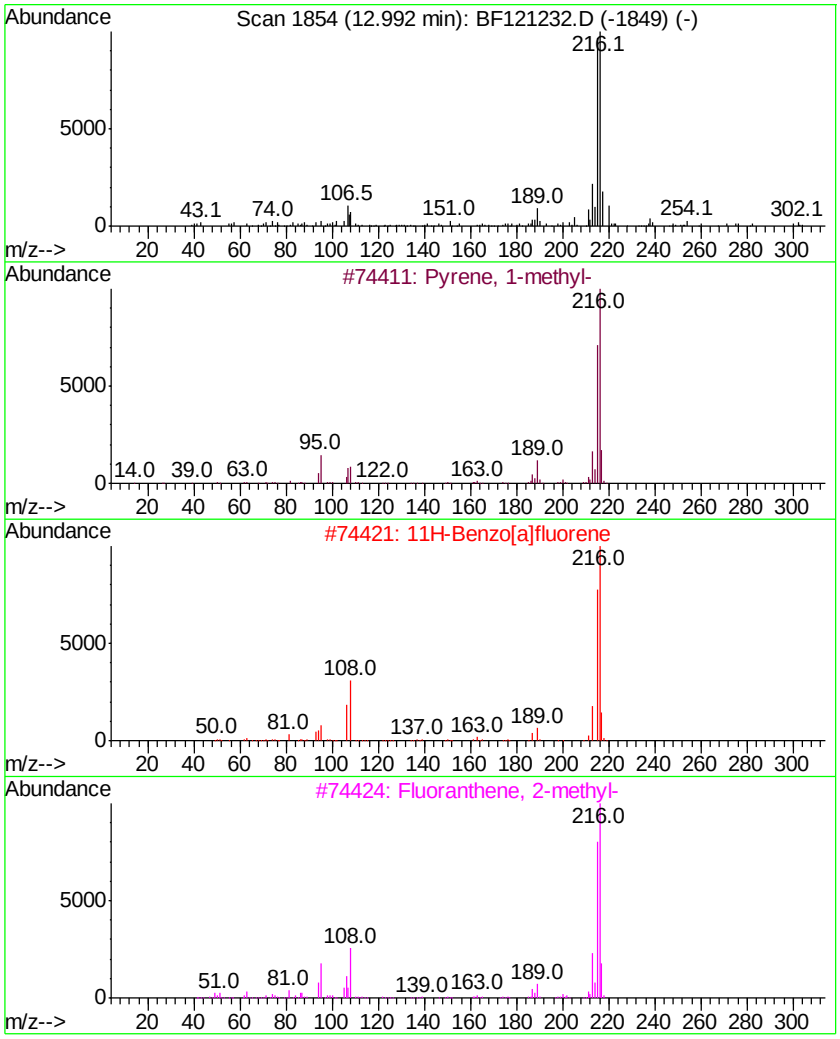
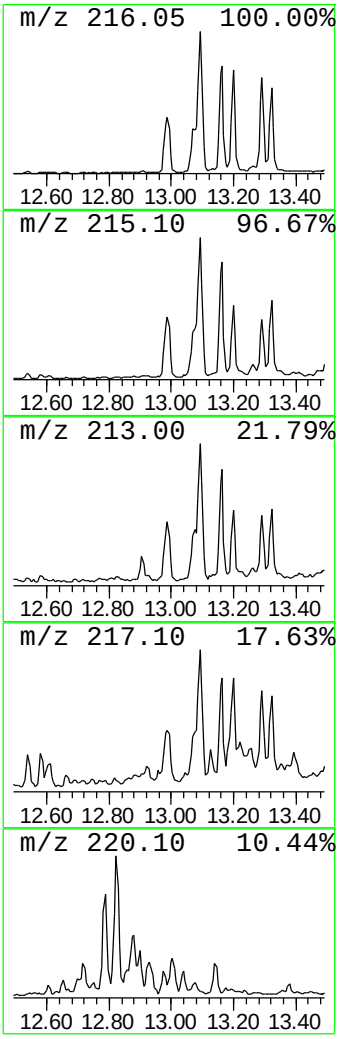
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.61 ng	189217	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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

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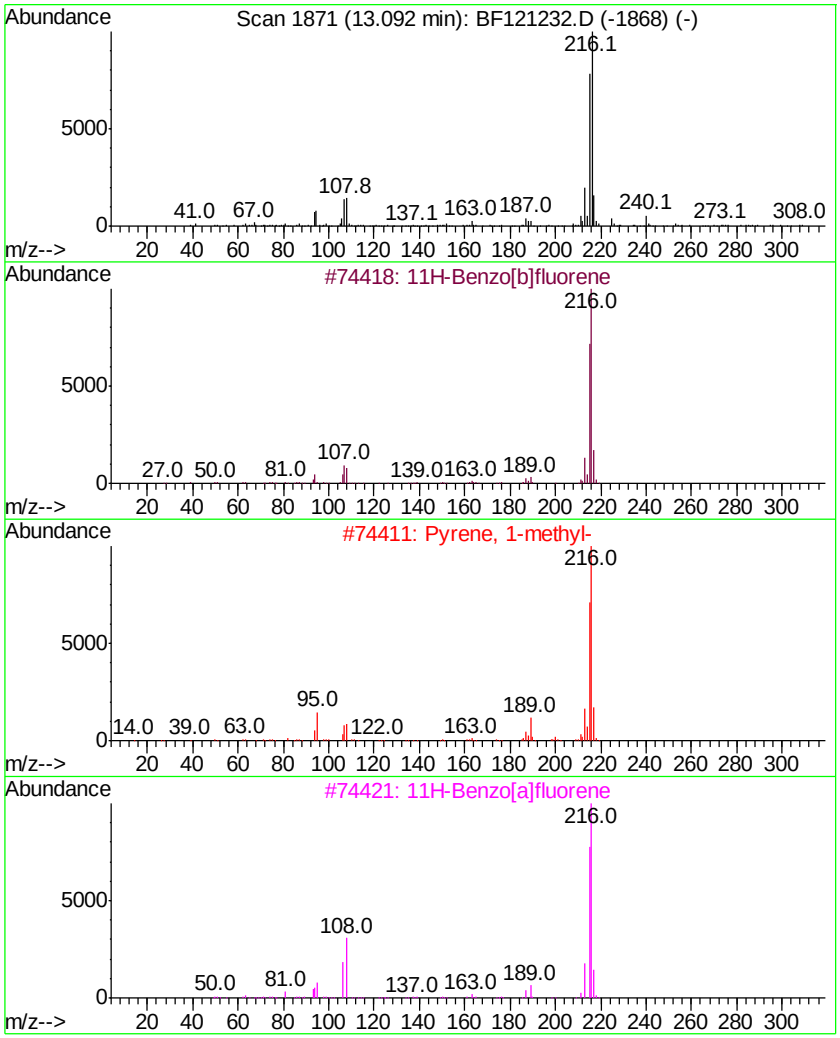
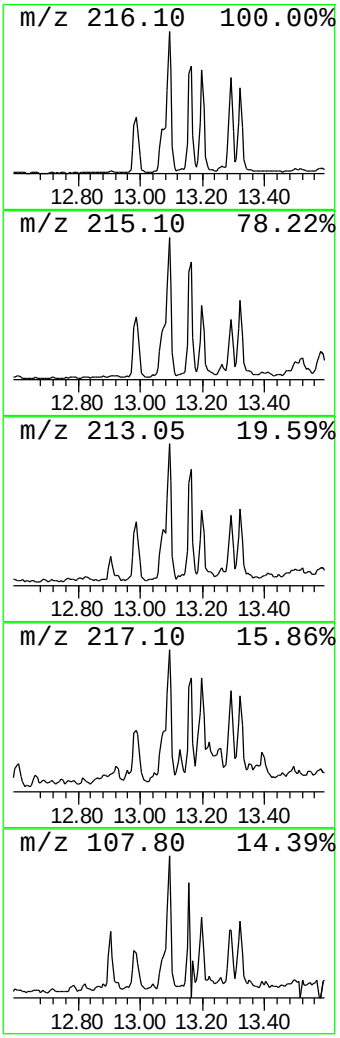
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.68 ng	267147	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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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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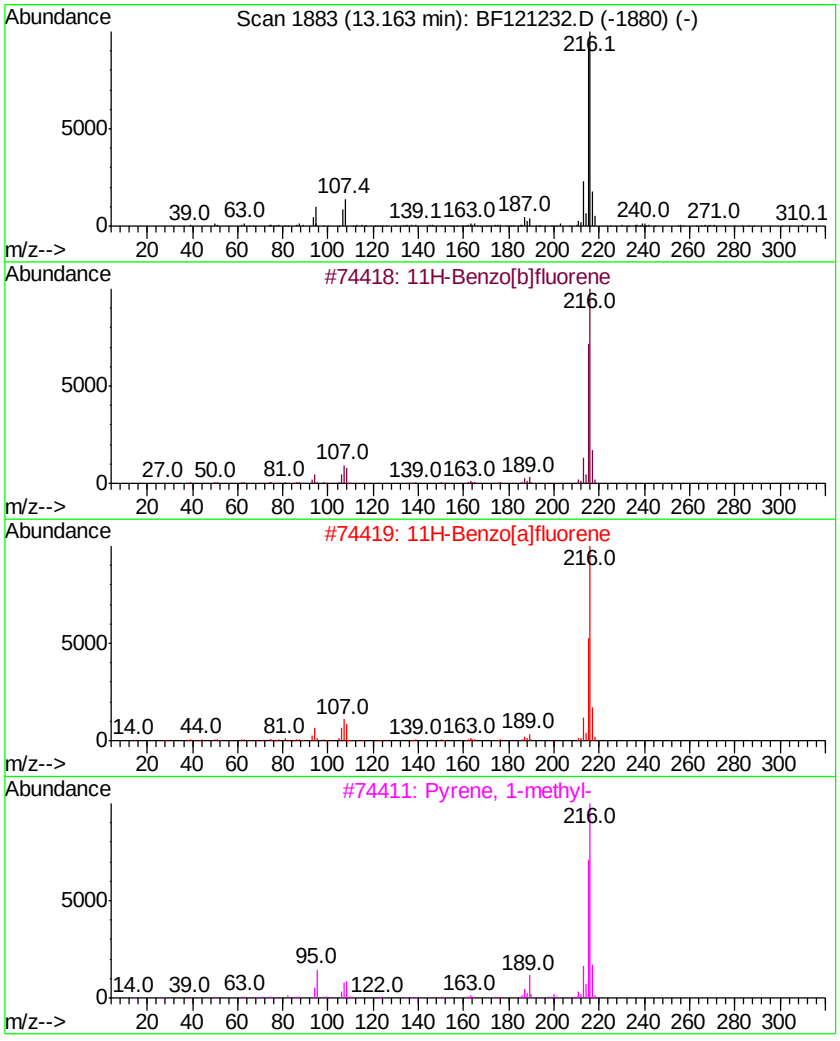
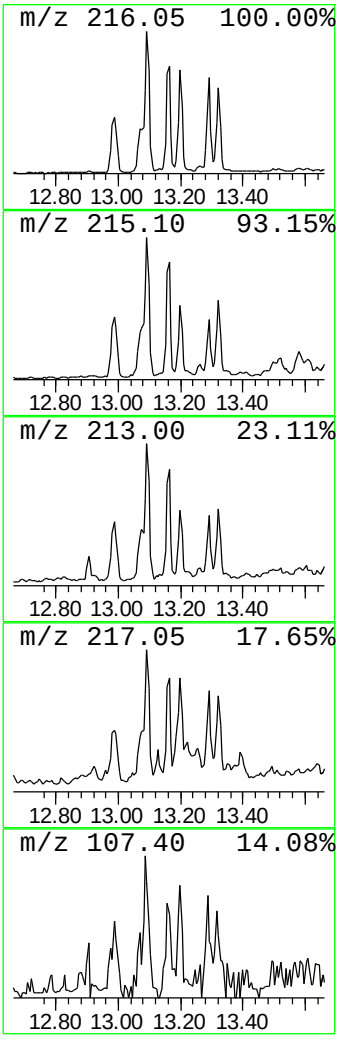
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.36 ng	171481	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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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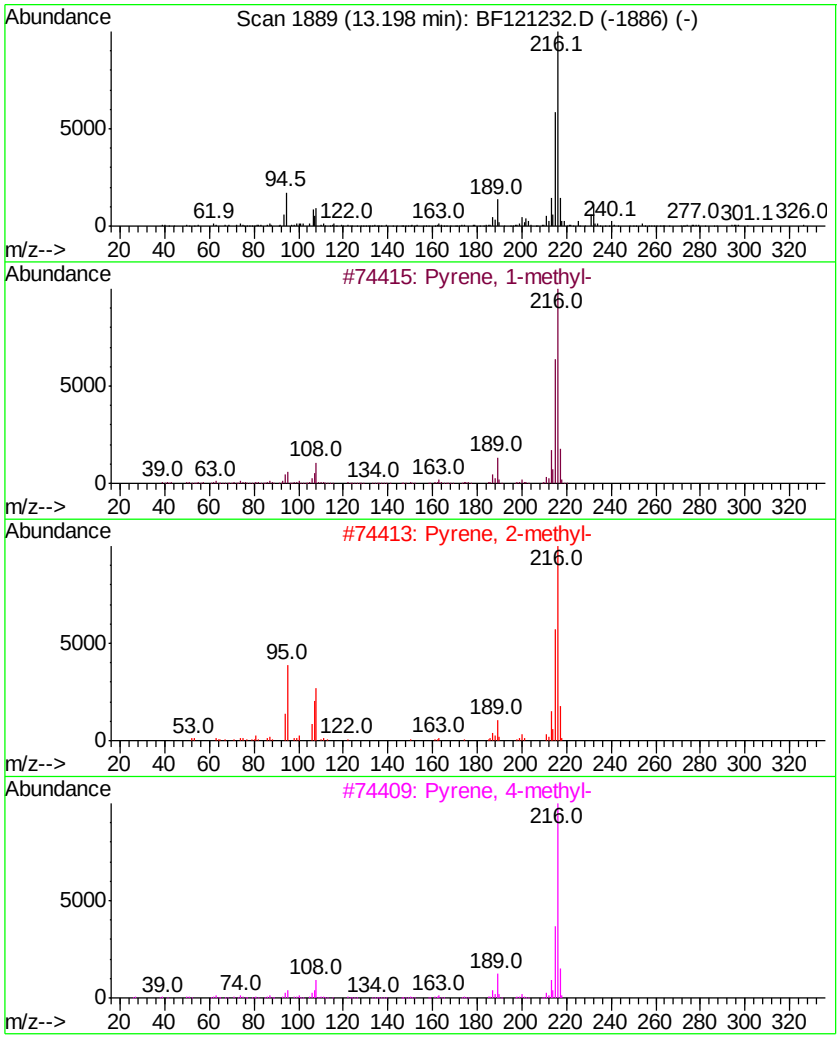
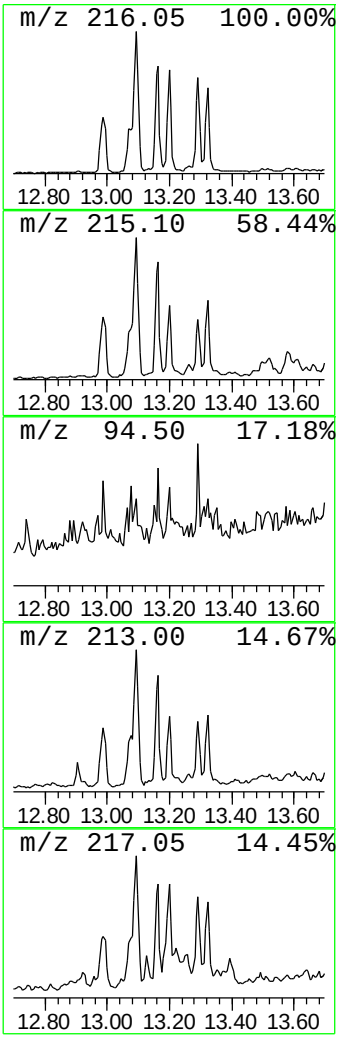
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	3.17 ng	230004	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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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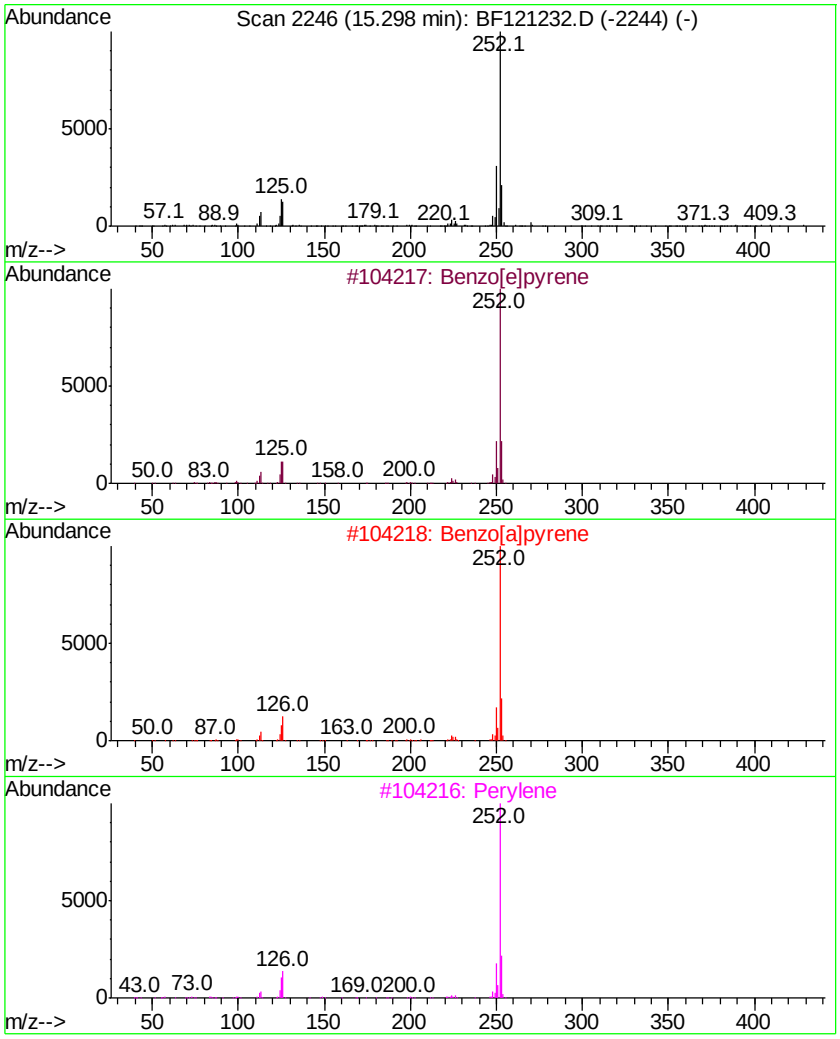
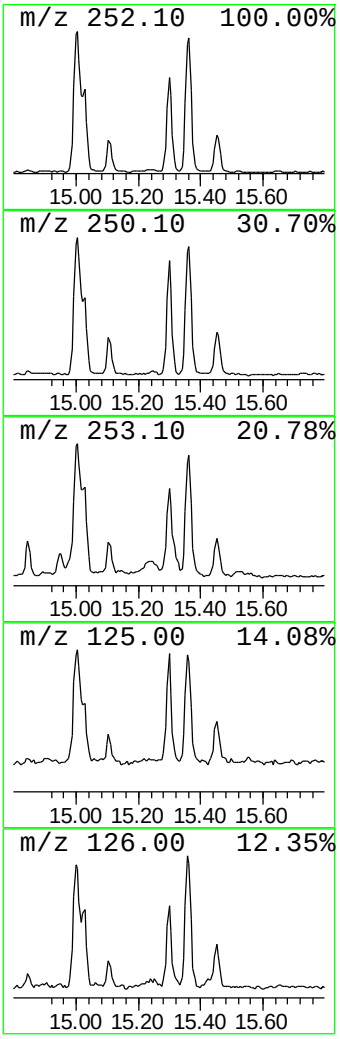
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	5.20 ng	285408	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080720\
Data File : BF121232.D
Acq On : 7 Aug 2020 15:29
Operator : JU/CG
Sample : L3586-02 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8420

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, 2,3-...	9.49	2.5	ng	147744	3	9.83	1157290	20.0
1,4,5,8-Tetrameth...	10.75	2.2	ng	120218	4	11.32	1113390	20.0
9H-Fluorene, 2-me...	10.93	2.3	ng	128458	4	11.32	1113390	20.0
Naphtho[2,1-b]thi...	11.22	3.6	ng	199285	4	11.32	1113390	20.0
Dibenzothiophene,...	11.65	2.3	ng	128332	4	11.32	1113390	20.0
Phenanthrene, 2-m...	11.82	5.6	ng	309447	4	11.32	1113390	20.0
Anthracene, 2-met...	11.85	5.9	ng	327814	4	11.32	1113390	20.0
4H-Cyclopenta[def...	11.93	9.3	ng	515403	4	11.32	1113390	20.0
Anthracene, 9-met...	11.96	3.0	ng	166834	4	11.32	1113390	20.0
Naphthalene, 2-ph...	12.12	3.1	ng	172930	4	11.32	1113390	20.0
Phenanthrene, 1,7...	12.30	2.4	ng	132385	4	11.32	1113390	20.0
Phenanthrene, 2,5...	12.37	4.4	ng	243809	4	11.32	1113390	20.0
unknown12.41	12.41	3.6	ng	201708	4	11.32	1113390	20.0
Phenanthrene, 3,6...	12.46	2.7	ng	148111	4	11.32	1113390	20.0
Fluoranthene, 2-m...	12.99	2.6	ng	189217	5	13.96	1450220	20.0
11H-Benzo[a]fluorene	13.09	3.7	ng	267147	5	13.96	1450220	20.0
11H-Benzo[b]fluorene	13.16	2.4	ng	171481	5	13.96	1450220	20.0
Pyrene, 1-methyl-	13.20	3.2	ng	230004	5	13.96	1450220	20.0
Benzo[e]pyrene	15.30	5.2	ng	285408	6	15.42	1096670	20.0