LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122452.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	8	14	rVB	506335	643231	5.97%	0.390%
2	5.075	502	508	511	rBV	1567407	1785756	16.58%	1.082%
3	5.481	573	577	581	rBV	3043521	3086244	28.66%	1.870%
4	6.492	744	749	758	rBV	3334415	3231757	30.01%	1.959%
5	6.863	808	812	815	rBV	1321129	1051816	9.77%	0.637%
6	7.422	900	907	913	rBV	2196598	2097972	19.48%	1.271%
7	8.151	1025	1031	1032	rBV	1445081	1362953	12.66%	0.826%
8	8.169	1032	1034	1038	rVV	1881334	1603763	14.89%	0.972%
9	8.863	1147	1152	1157	rBV	1096405	903324	8.39%	0.547%
10	8.963	1164	1169	1173	rBV	1295480	1086605	10.09%	0.659%
11	9.227	1209	1214	1217	rBV	4088289	3391318	31.49%	2.055%
12	9.327	1223	1231	1237	rBV2	451674	516839	4.80%	0.313%
13	9.422	1244	1247	1254	rVB	307898	357851	3.32%	0.217%
14	9.492	1254	1259	1263	rBV	477836	641452	5.96%	0.389%
15	9.563	1267	1271	1274	rVV	812688	843743	7.84%	0.511%
16	9.592	1274	1276	1278	rVV	547411	446140	4.14%	0.270%
17	9.622	1278	1281	1285	rVV	397151	365701	3.40%	0.222%
18	9.680	1287	1291	1297	rVV	523900	597977	5.55%	0.362%
19	9.769	1300	1306	1310	rVB	754303	733662	6.81%	0.445%
20	9.910	1323	1330	1332	rBV2	1636941	1770407	16.44%	1.073%
21	9.939	1332	1335	1338	rVV	2728406	2399189	22.28%	1.454%
22	10.063	1352	1356	1360	rBV2	503035	568952	5.28%	0.345%
23	10.110	1360	1364	1368	rVB	1745466	1527307	14.18%	0.926%
24	10.222	1379	1383	1386	rBV2	323000	388875	3.61%	0.236%
25	10.316	1394	1399	1401	rVV	313015	472769	4.39%	0.287%
26	10.457	1419	1423	1428	rVV	3092647	2755446	25.59%	1.670%
27	10.504	1428	1431	1432	rVV	436397	375207	3.48%	0.227%
28	10.522	1432	1434	1436	rVV	704042	658329	6.11%	0.399%
29	10.539	1436	1437	1440	rVV2	705669	600411	5.58%	0.364%
30	10.610	1447	1449	1455	rVB	651595	680499	6.32%	0.412%
31	10.698	1458	1464	1468	rVV	2917187	3057372	28.39%	1.853%
32	11.004	1509	1516	1519	rVV2	861152	1250232	11.61%	0.758%
33	11.033	1519	1521	1524	rVV2	664484	662957	6.16%	0.402%
34	11.086	1527	1530	1533	rVV	553581	545374	5.06%	0.331%
35	11.157	1539	1542	1546	rVV2	445838	565471	5.25%	0.343%
36	11.198	1546	1549	1553	rVV4	282850	362016	3.36%	0.219%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.257	1553	1559	1562	rVV3	507324	819157	7.61%	0.496%
38	11.292	1562	1565	1571	rVB	1229971	1172927	10.89%	0.711%
39	11.398	1577	1583	1584	rBV	1259832	1283103	11.92%	0.778%
40	11.433	1584	1589	1591	rVV	8972488	10726023	99.61%	6.501%
41	11.480	1591	1597	1599	rVV	4517073	4209612	39.09%	2.551%
42	11.504	1599	1601	1604	rVB2	530708	484887	4.50%	0.294%
43	11.627	1615	1622	1624	rBV	1246443	1205047	11.19%	0.730%
44	11.692	1630	1633	1636	rVV	462404	416386	3.87%	0.252%
45	11.727	1636	1639	1645	rVB2	552939	512283	4.76%	0.310%
46	11.810	1650	1653	1658	rVB	366124	368016	3.42%	0.223%
47	11.904	1663	1669	1671	rBV	2585463	2509334	23.30%	1.521%
48	11.933	1671	1674	1677	rVB	2909359	2671237	24.81%	1.619%
49	11.980	1678	1682	1684	rBV	1319490	1283193	11.92%	0.778%
50	12.016	1684	1688	1690	rVV	3783645	4054483	37.65%	2.457%
51	12.039	1690	1692	1695	rVB	1894371	1457750	13.54%	0.883%
52	12.198	1710	1719	1721	rBV	1516390	1534155	14.25%	0.930%
53	12.345	1739	1744	1747	rBV2	564256	713066	6.62%	0.432%
54	12.380	1747	1750	1752	rBV	466372	387384	3.60%	0.235%
55	12.457	1759	1763	1766	rBV	1058319	1315158	12.21%	0.797%
56	12.498	1766	1770	1772	rVV2	869986	1090594	10.13%	0.661%
57	12.551	1776	1779	1784	rBV3	407643	638759	5.93%	0.387%
58	12.639	1788	1794	1796	rBV	7835284	9008950	83.66%	5.460%
59	12.710	1804	1806	1809	rVB	429646	390091	3.62%	0.236%
60	12.768	1814	1816	1820	rVV	444543	501636	4.66%	0.304%
61	12.857	1824	1831	1835	rBV2	7178260	10767892	100.00%	6.526%
62	12.892	1835	1837	1843	rVB2	516628	671593	6.24%	0.407%
63	12.963	1846	1849	1850	rVV	579235	456280	4.24%	0.277%
64	12.986	1850	1853	1860	rVB2	3018253	3240054	30.09%	1.964%
65	13.068	1861	1867	1870	rBV3	853715	1357345	12.61%	0.823%
66	13.151	1878	1881	1882	rVV3	638131	678564	6.30%	0.411%
67	13.174	1882	1885	1888	rVB	2258369	2089574	19.41%	1.266%
68	13.239	1888	1896	1899	rBV	1895813	2335301	21.69%	1.415%
69	13.280	1899	1903	1905	rVV2	1275199	1330132	12.35%	0.806%
70	13.368	1915	1918	1921	rBV	757073	642470	5.97%	0.389%
71	13.404	1921	1924	1927	rBV	859912	805419	7.48%	0.488%
72	13.657	1964	1967	1969	rBV2	336794	412700	3.83%	0.250%
73	13.792	1986	1990	1993	rBV2	697526	933283	8.67%	0.566%
74	13.821	1993	1995	1997	rVV	1068438	972312	9.03%	0.589%
75	13.845	1997	1999	2004	rVV2	758388	1125139	10.45%	0.682%
76	13.892	2005	2007	2014	rVB2	419096	545570	5.07%	0.331%

LSC Area Percent Report

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Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.045	2026	2033	2036	rBV2	4628111	7023729	65.23%	4.257%
78	14.080	2036	2039	2044	rVB	4485075	4373514	40.62%	2.651%
79	14.157	2049	2052	2055	rVV	741249	707729	6.57%	0.429%
80	14.268	2068	2071	2075	rVB2	345196	462998	4.30%	0.281%
81	14.433	2095	2099	2102	rVV	1168713	1281362	11.90%	0.777%
82	14.468	2102	2105	2108	rVB	644344	589669	5.48%	0.357%
83	14.527	2109	2115	2118	rVV3	738368	1093244	10.15%	0.663%
84	14.557	2118	2120	2122	rVV	677164	654092	6.07%	0.396%
85	14.580	2122	2124	2128	rVV	868268	709850	6.59%	0.430%
86	14.627	2128	2132	2139	rVB3	347334	523874	4.87%	0.317%
87	15.104	2207	2213	2216	rBV	3101279	5577923	51.80%	3.381%
88	15.204	2227	2230	2234	rVB	886637	904603	8.40%	0.548%
89	15.409	2259	2265	2270	rVB	2179965	3089610	28.69%	1.872%
90	15.474	2270	2276	2281	rVB	3355408	4703454	43.68%	2.851%
91	15.533	2281	2286	2288	rBV	1148401	1445327	13.42%	0.876%
92	15.562	2288	2291	2297	rVB2	1209092	1633619	15.17%	0.990%
93	16.098	2378	2382	2391	rVB2	377874	647816	6.02%	0.393%
94	16.821	2501	2505	2508	rBV	186671	342931	3.18%	0.208%
95	17.021	2531	2539	2546	rVB2	1543350	3298703	30.63%	1.999%
96	17.192	2562	2568	2572	rBV	370142	687405	6.38%	0.417%
97	17.251	2572	2578	2582	rBV2	355260	712581	6.62%	0.432%
98	17.474	2608	2616	2626	rVB	1129003	2640862	24.53%	1.601%
99	17.698	2648	2654	2660	rVB	413697	816602	7.58%	0.495%
100	18.868	2846	2853	2866	rBV7	149938	574910	5.34%	0.348%

Sum of corrected areas: 165002183

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
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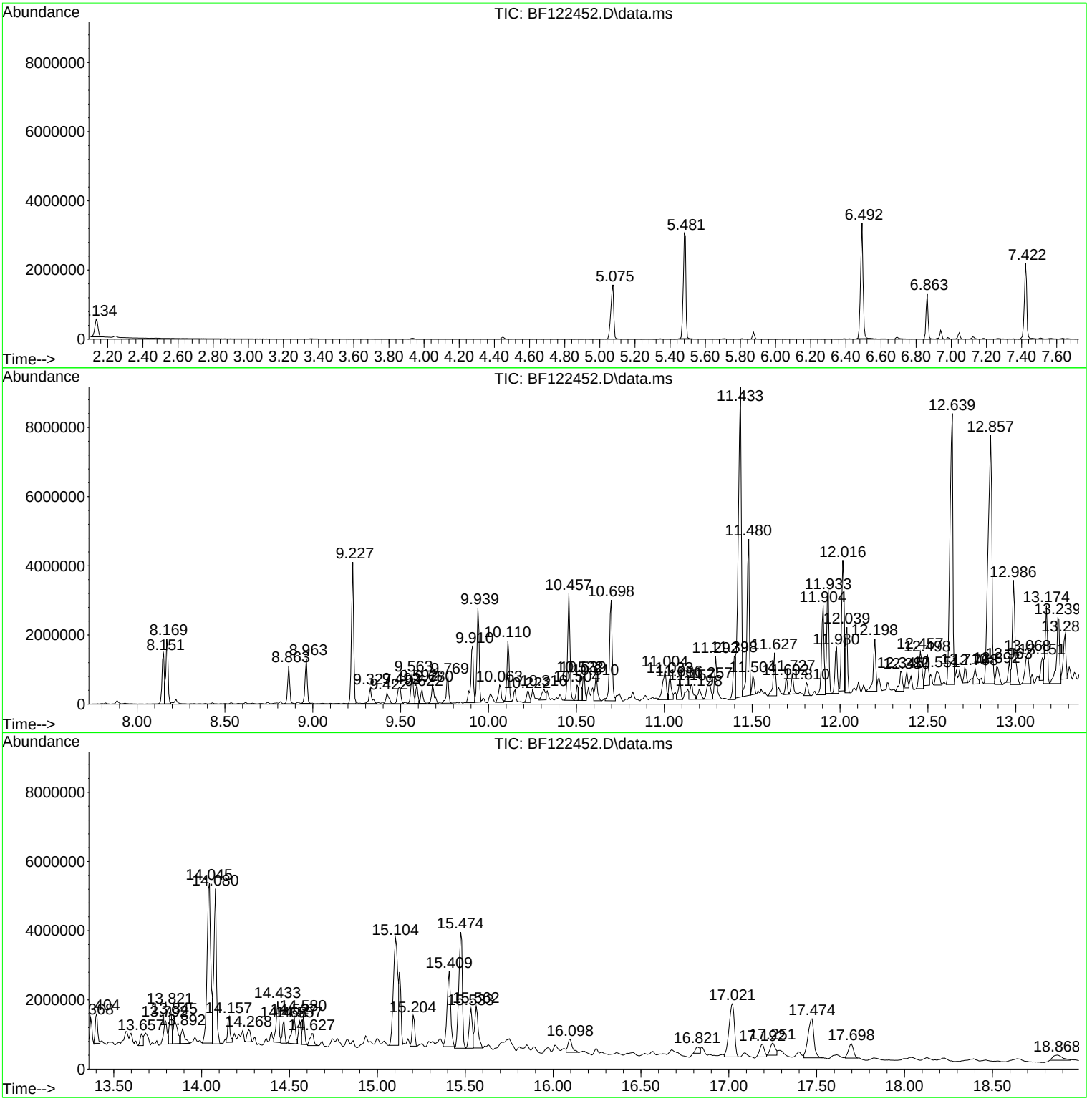
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

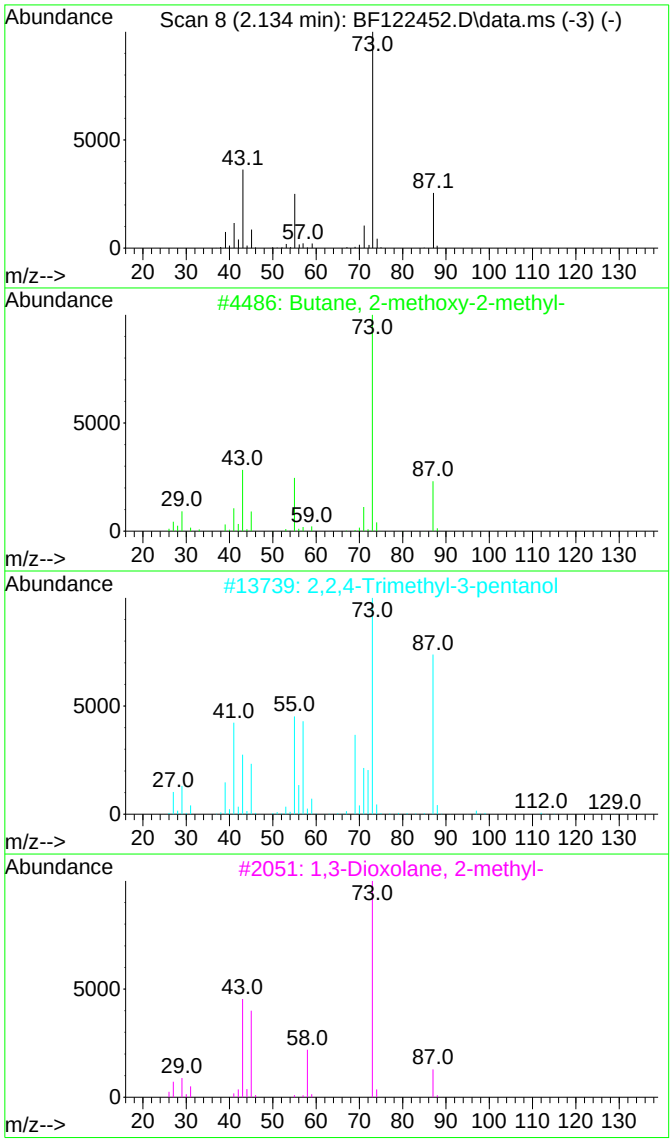
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

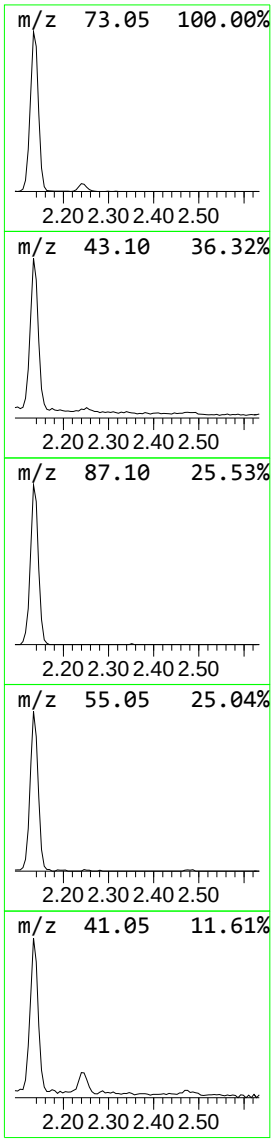
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	12.23 ng	643231	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06

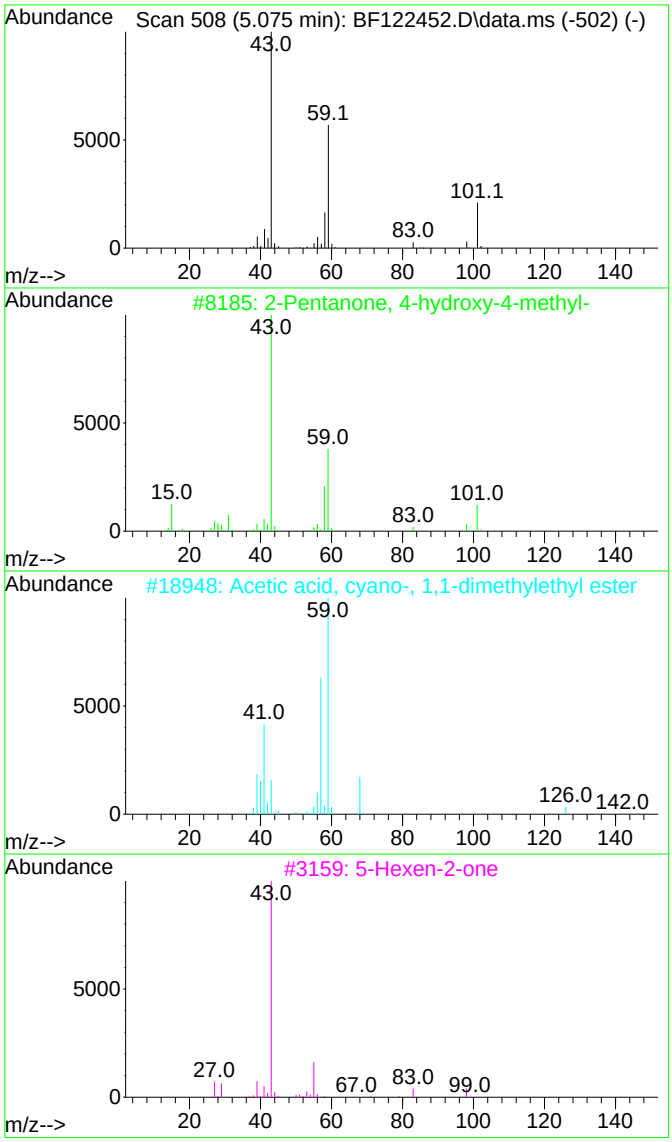
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

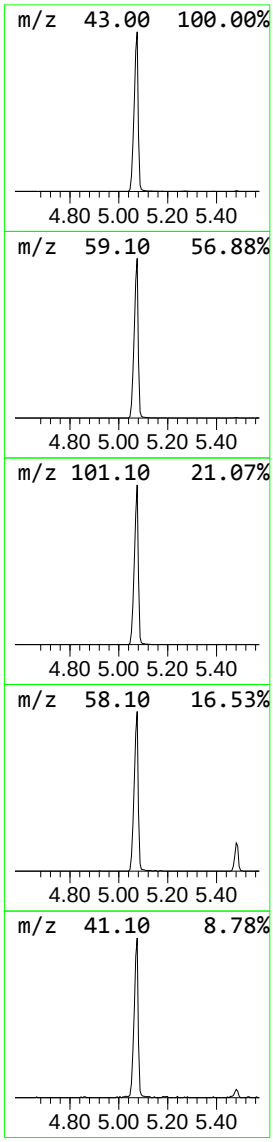
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.075	33.96 ng	1785760	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9
5	Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
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Sample : L4836-06
Misc :
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Instrument : BNA_F
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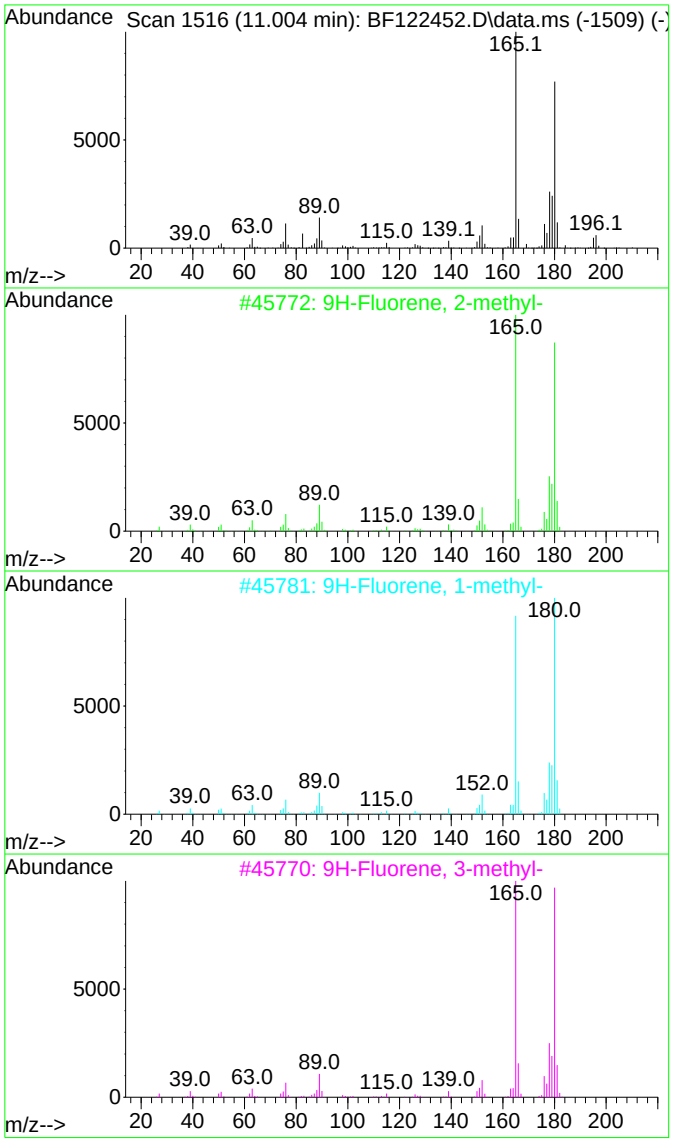
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

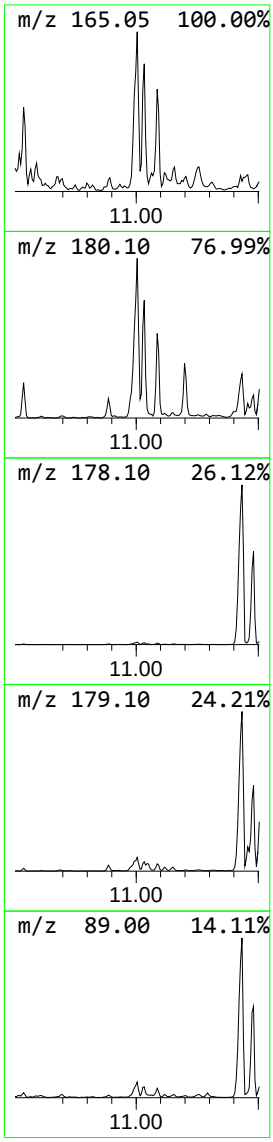
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.004	19.49 ng	1250230	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87
5	(E)-Stilbene	180	C14H12	000103-30-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

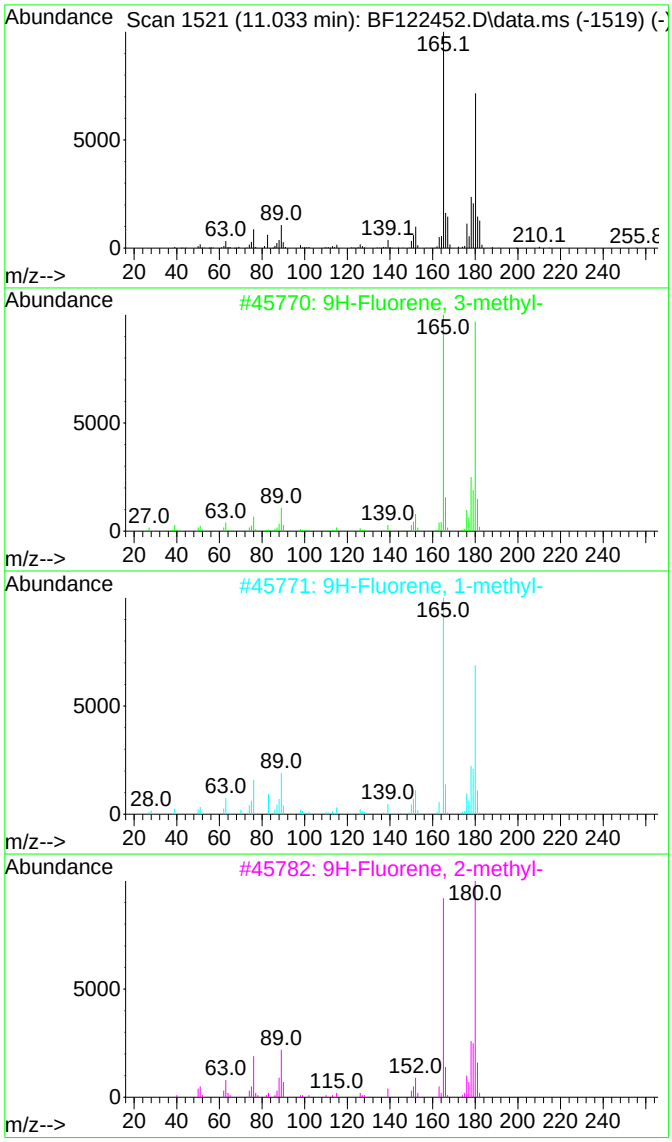
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

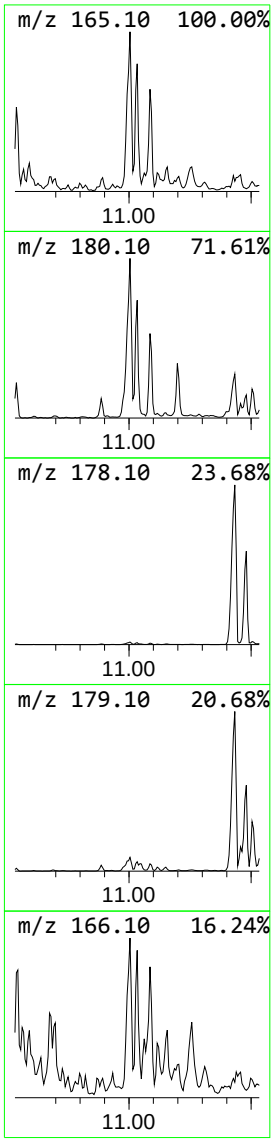
****

Peak Number 4 9H-Fluorene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.033	10.33 ng	662957	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

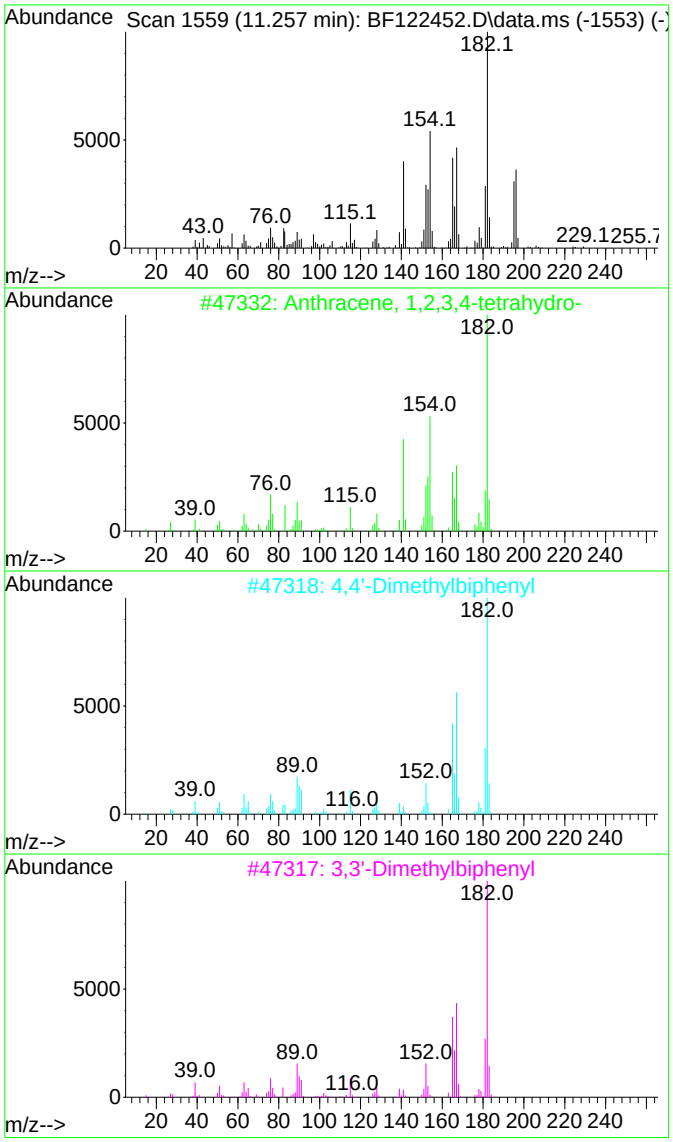
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

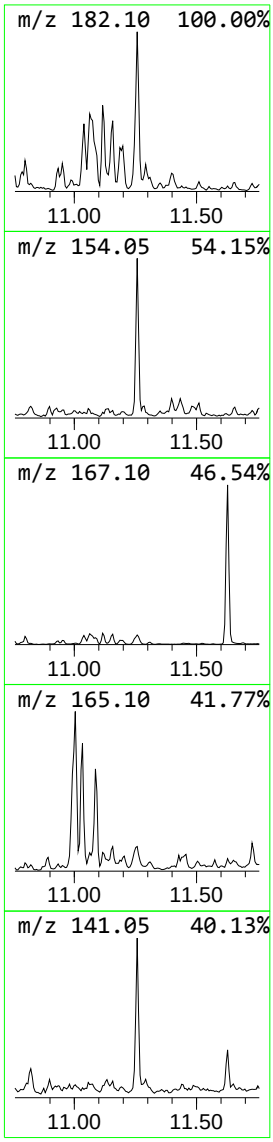
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	12.77 ng	819157	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	78
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	53
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	49





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Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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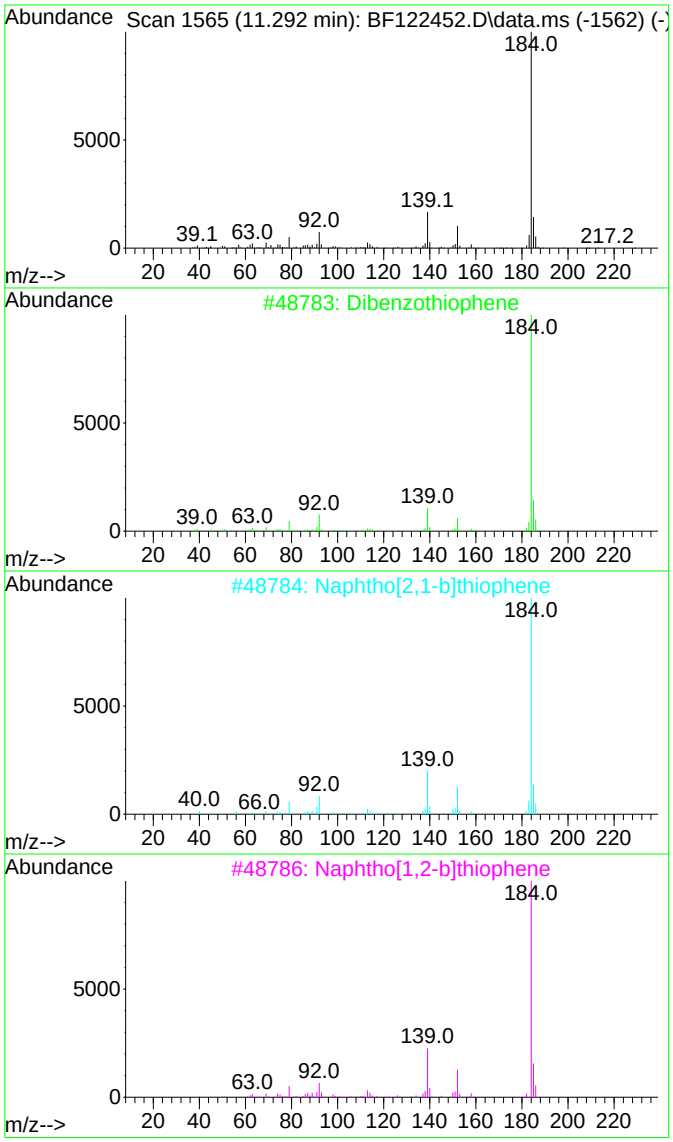
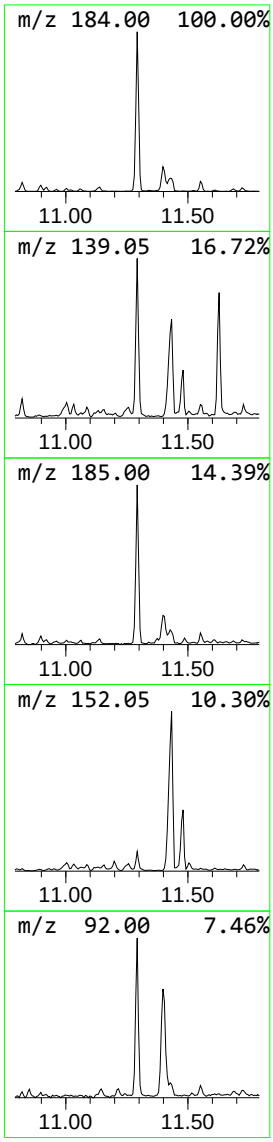
Peak Number 6 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	18.28 ng	1172930	Phenanthrene-d10	11.398

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





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Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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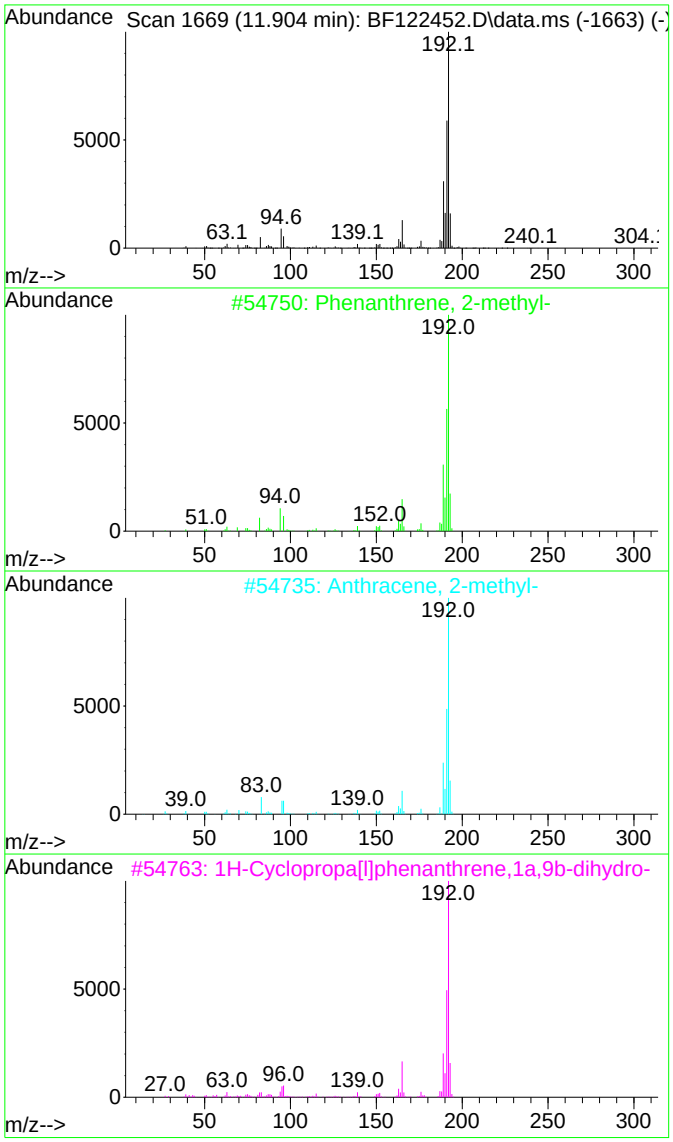
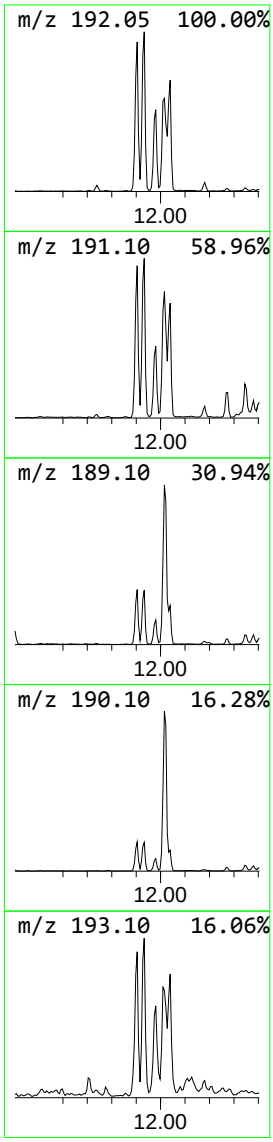
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	39.11 ng	2509330	Phenanthrene-d10	11.398

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	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

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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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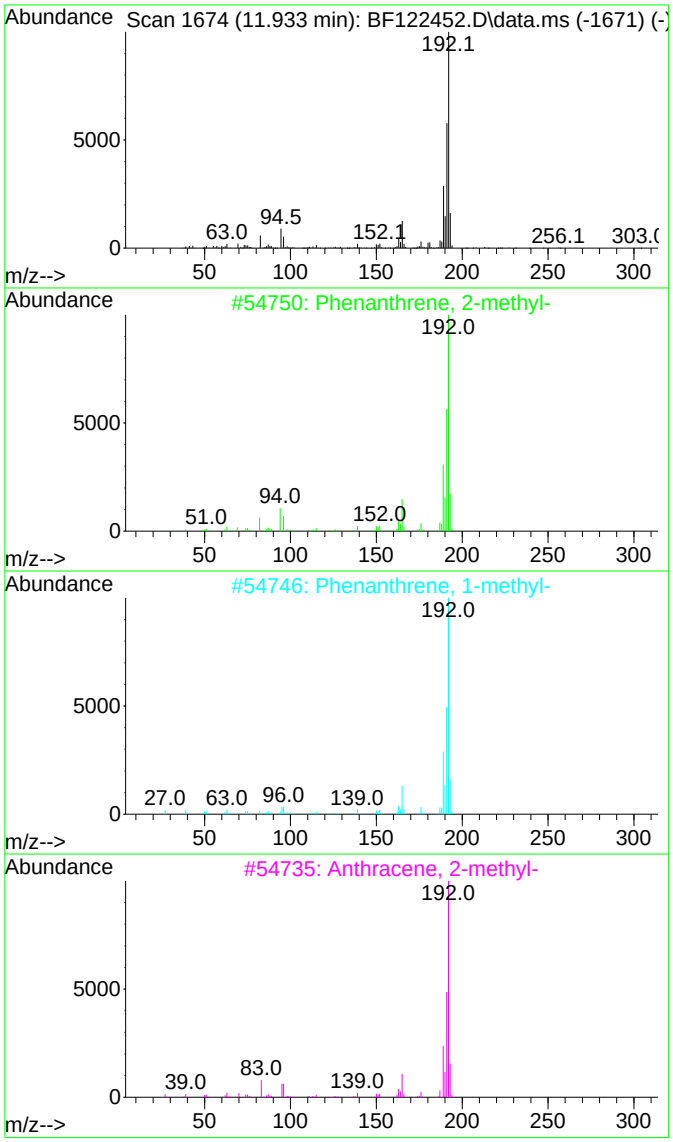
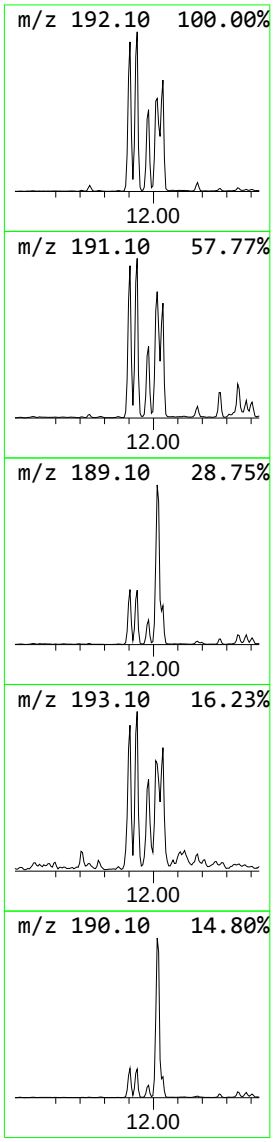
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	41.64 ng	2671240	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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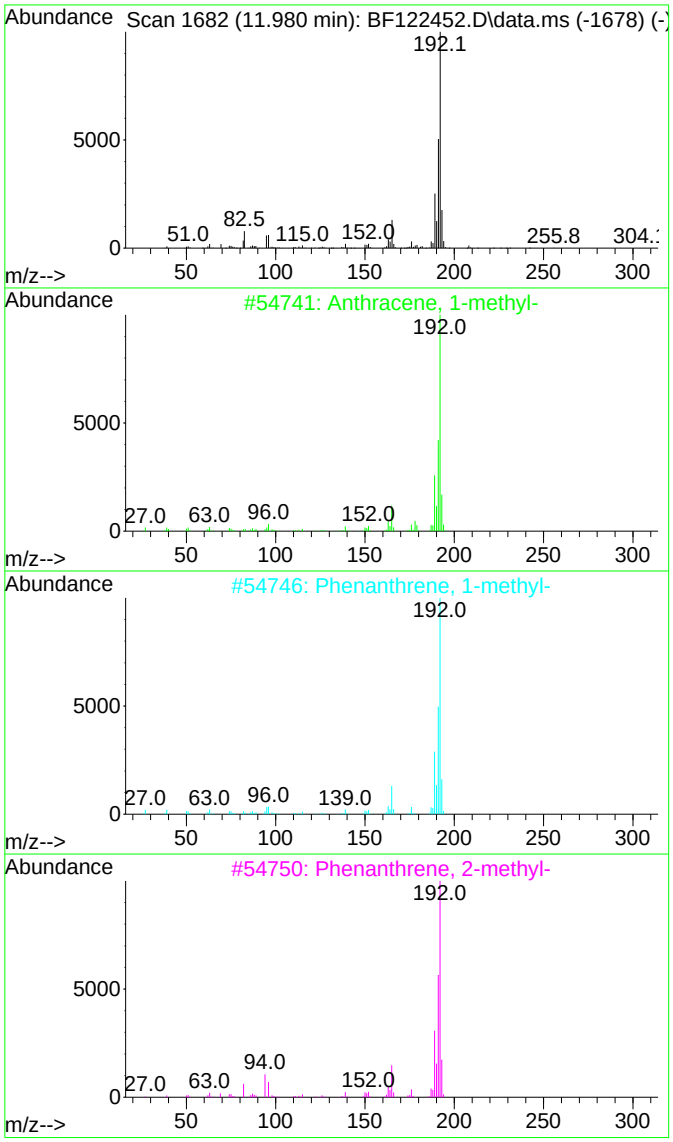
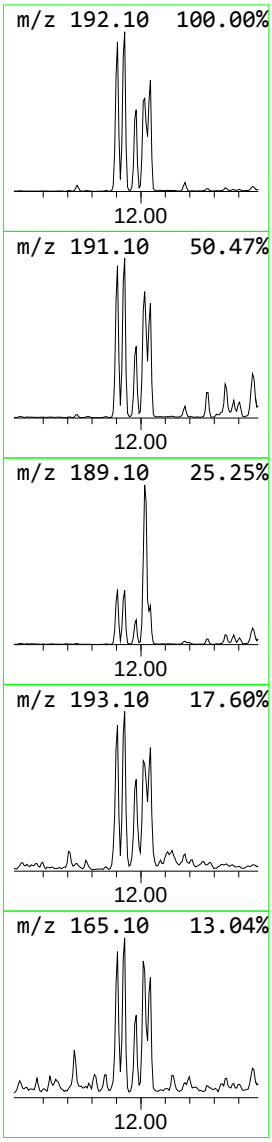
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	20.00 ng	1283190	Phenanthrene-d10	11.398

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





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Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

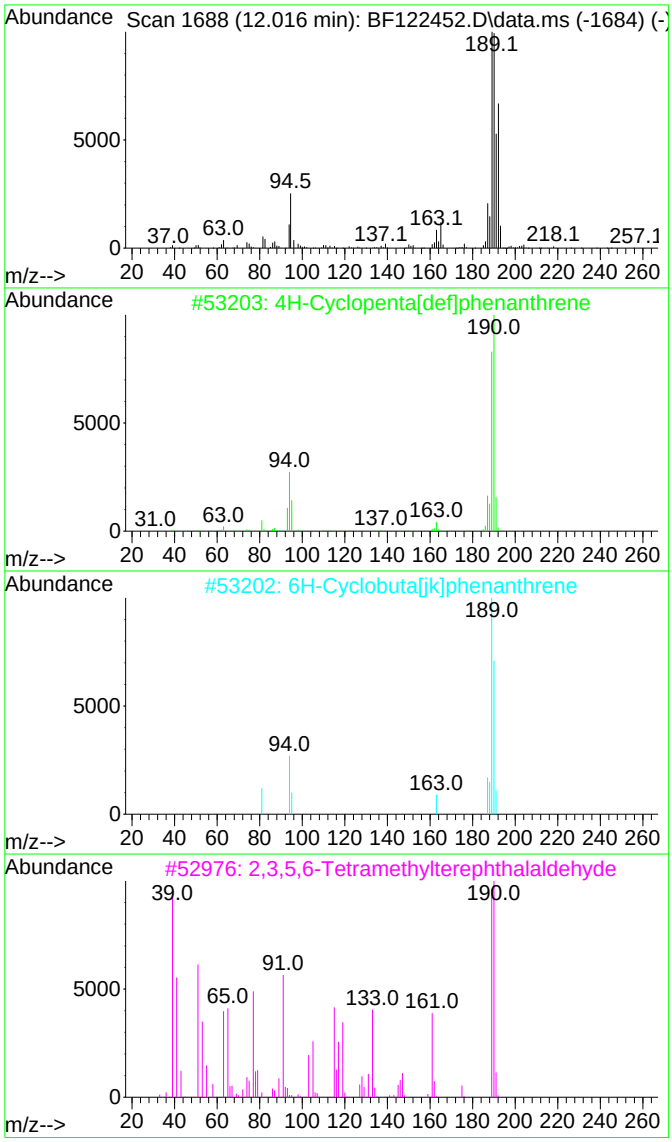
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

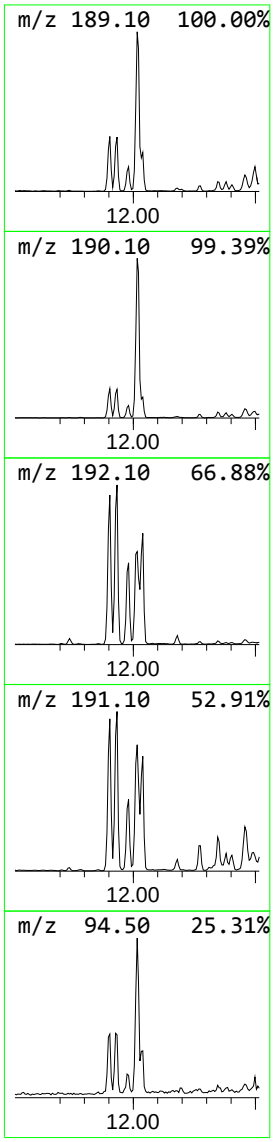
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	63.20 ng	4054480	Phenanthrene-d10	11.398

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	58
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27





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Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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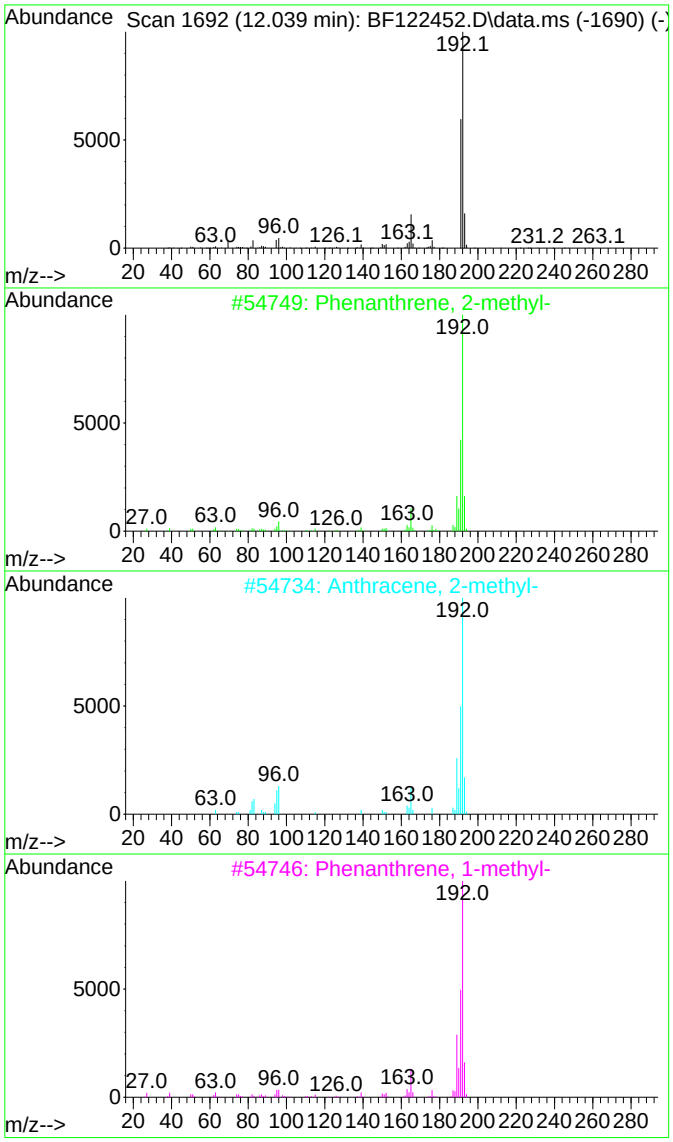
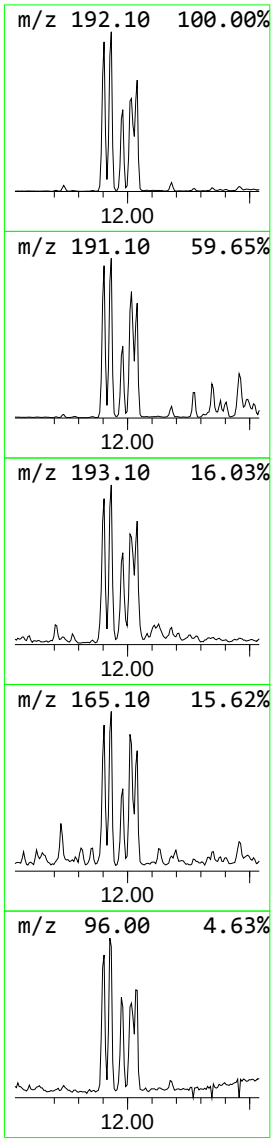
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	22.72 ng	1457750	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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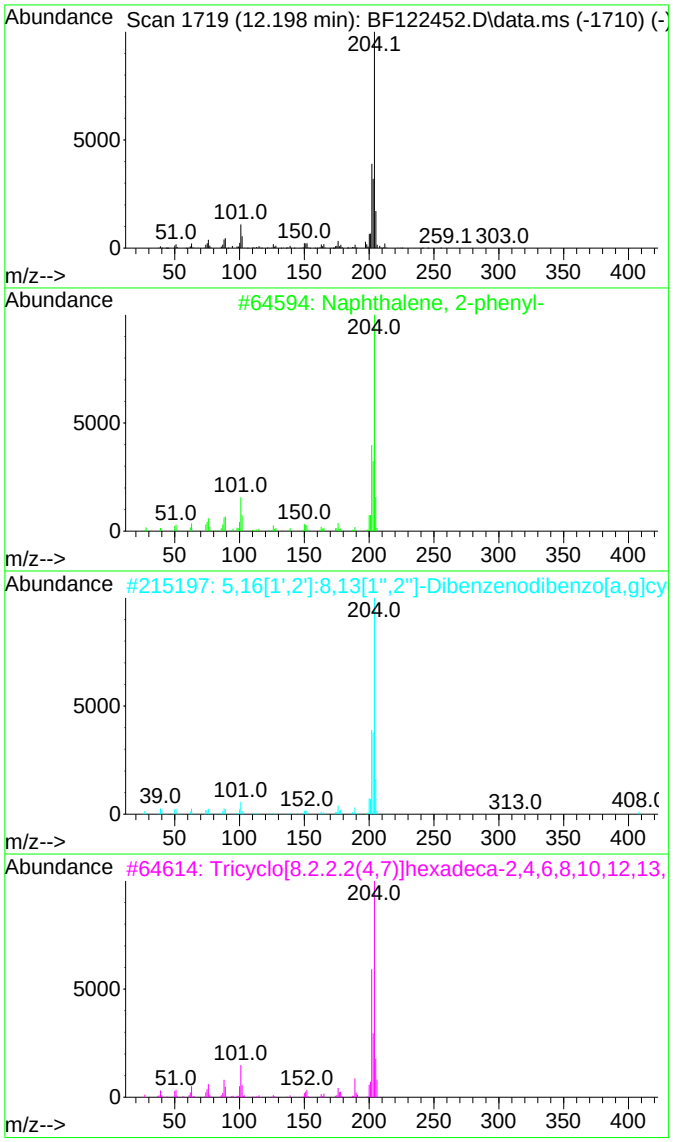
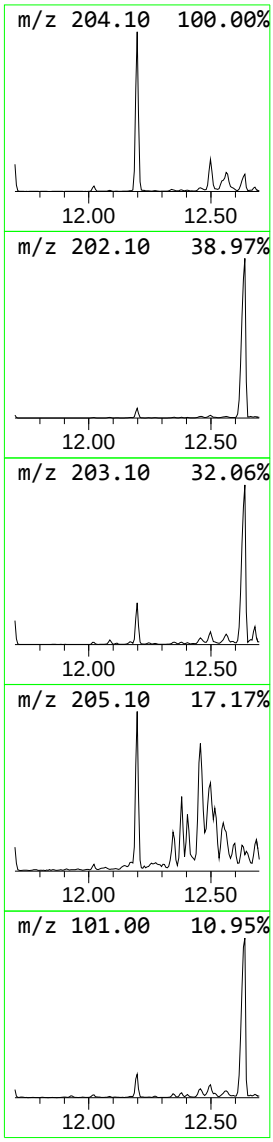
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	23.91 ng	1534160	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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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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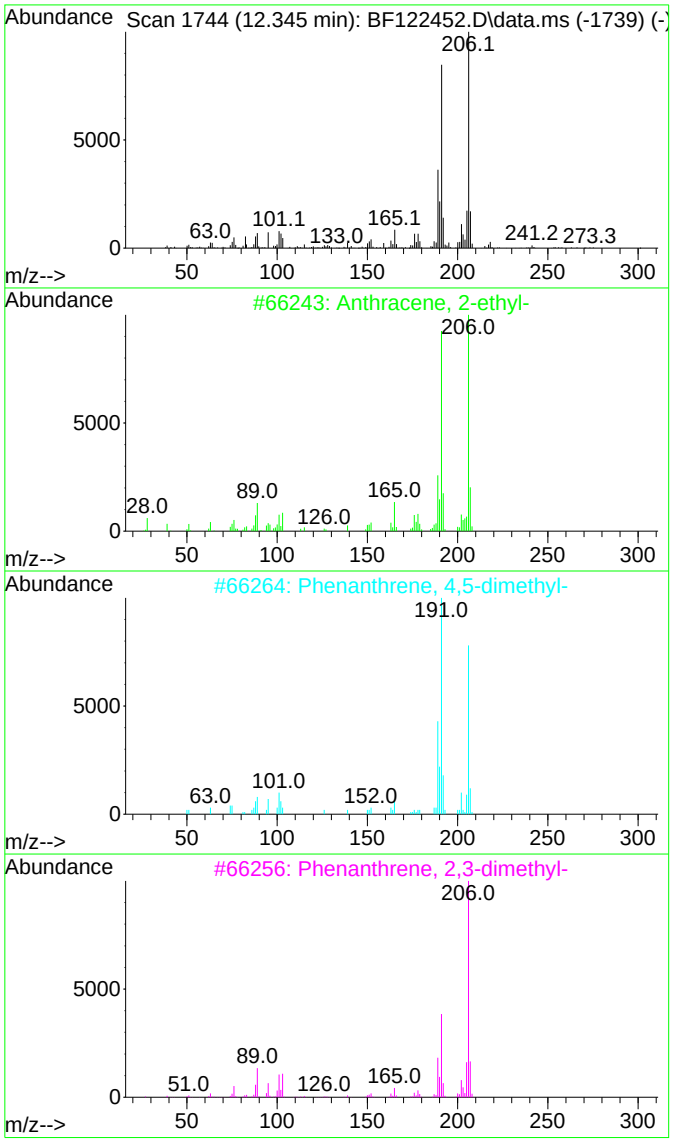
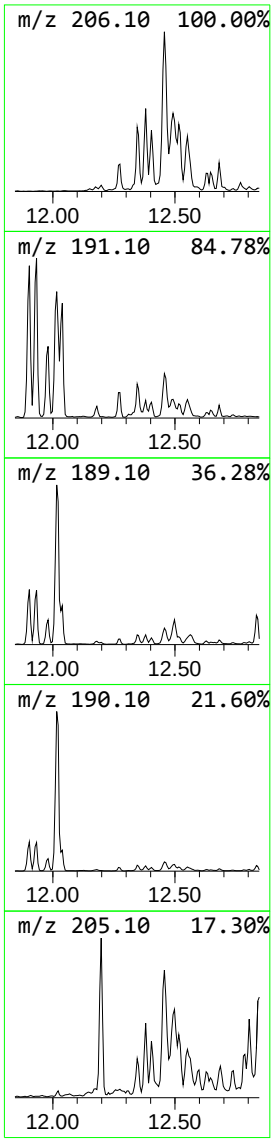
Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	11.11 ng	713066	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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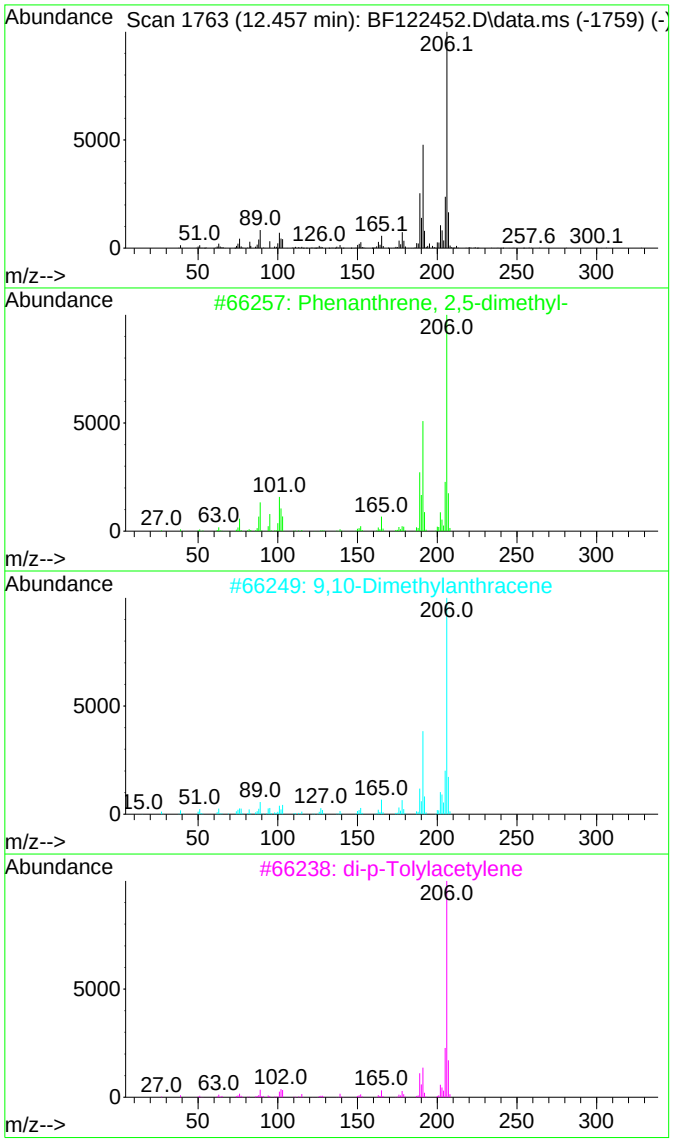
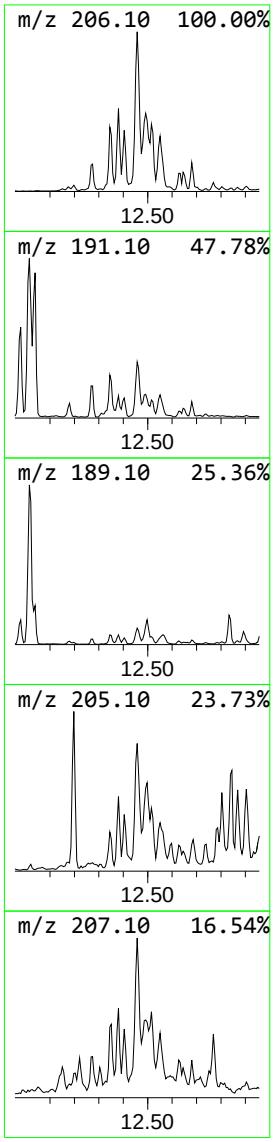
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	20.50 ng	1315160	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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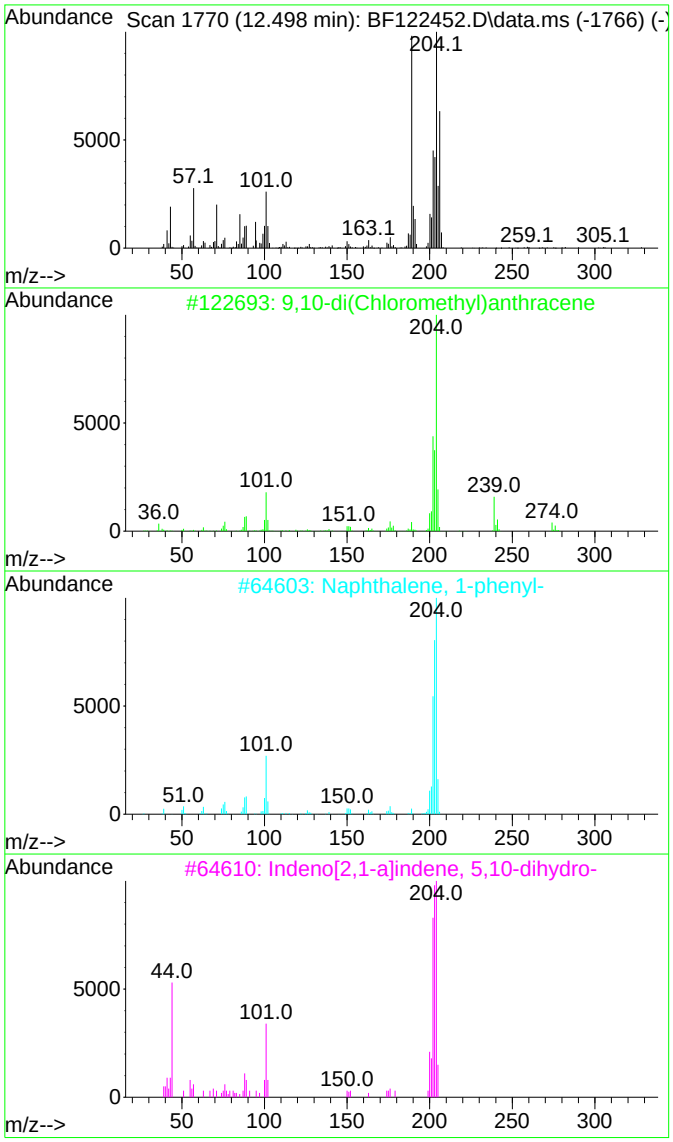
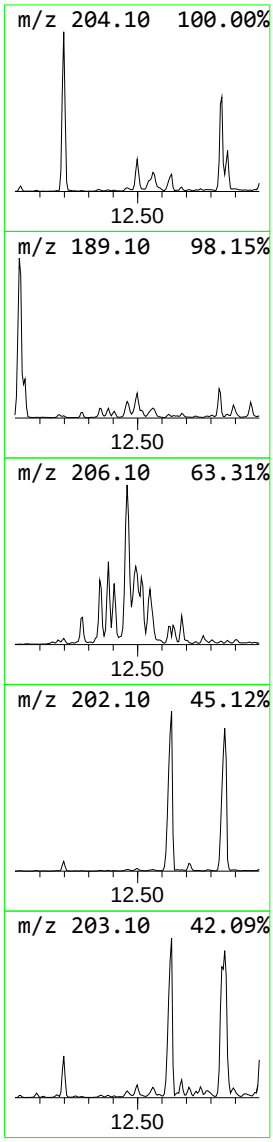
Peak Number 15 unknown12.498 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	17.00 ng	1090590	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	49
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
5	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	46





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Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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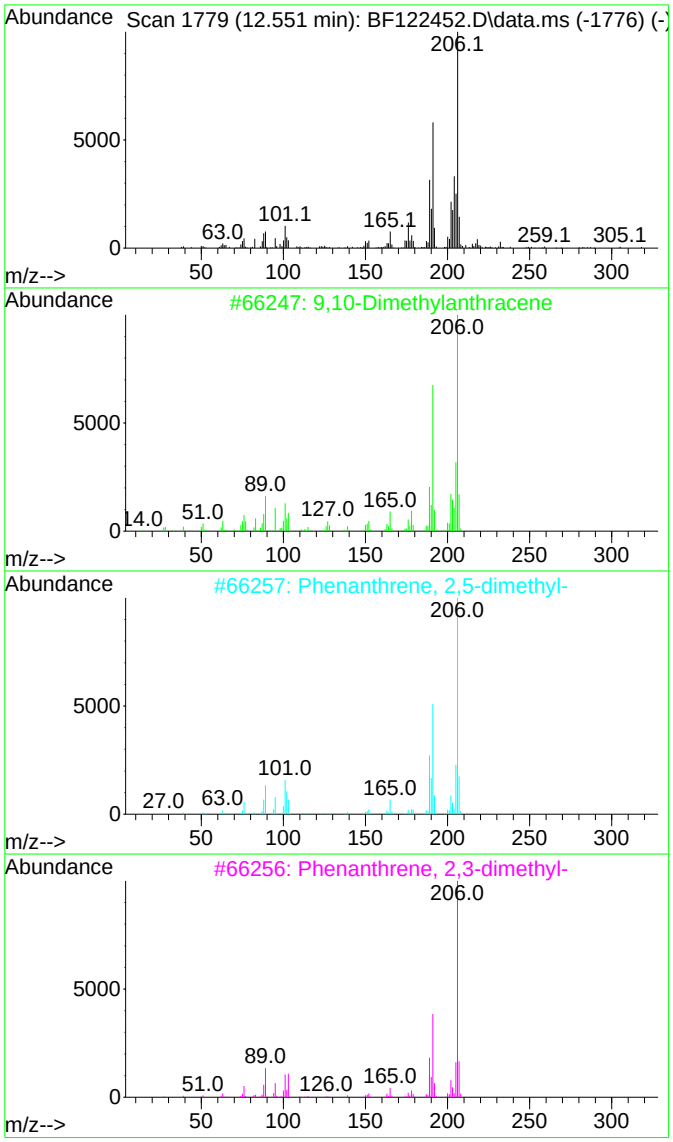
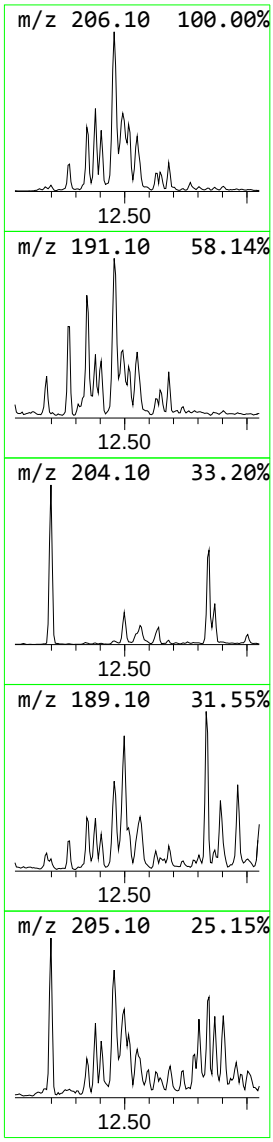
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	9.96 ng	638759	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	76
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74





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Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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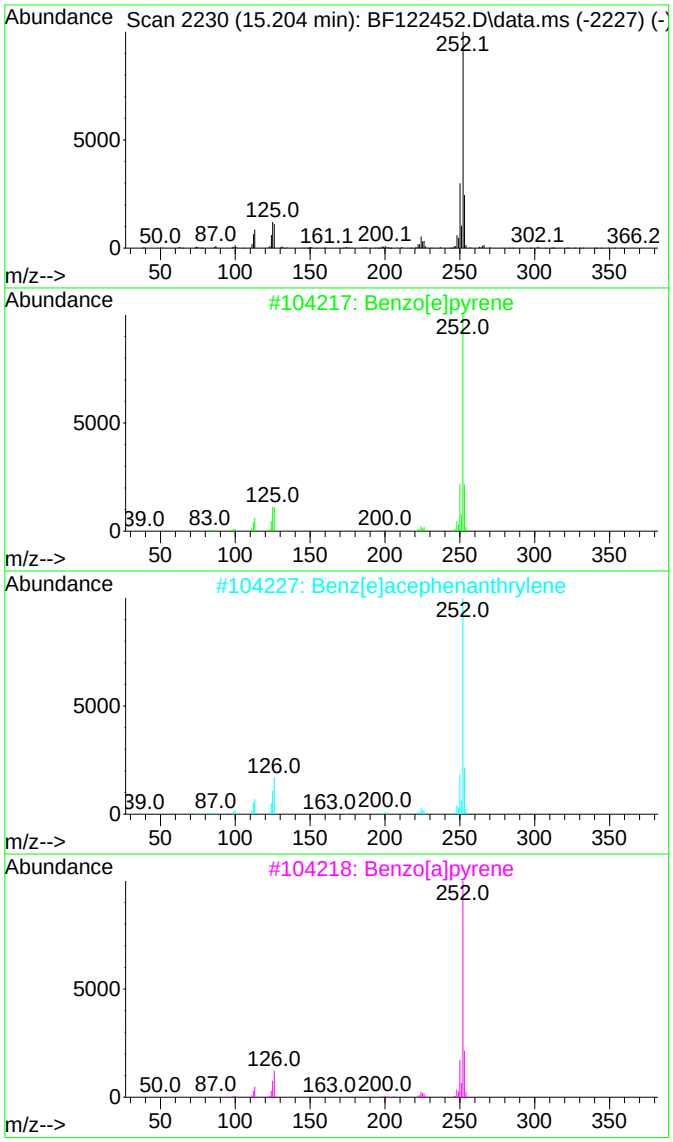
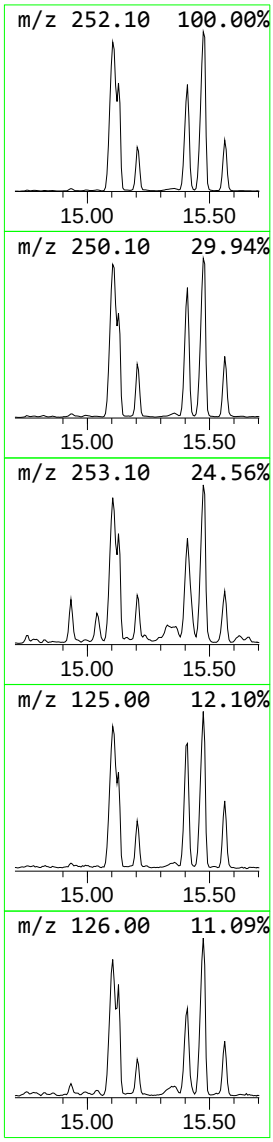
Peak Number 17 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	12.52 ng	904603	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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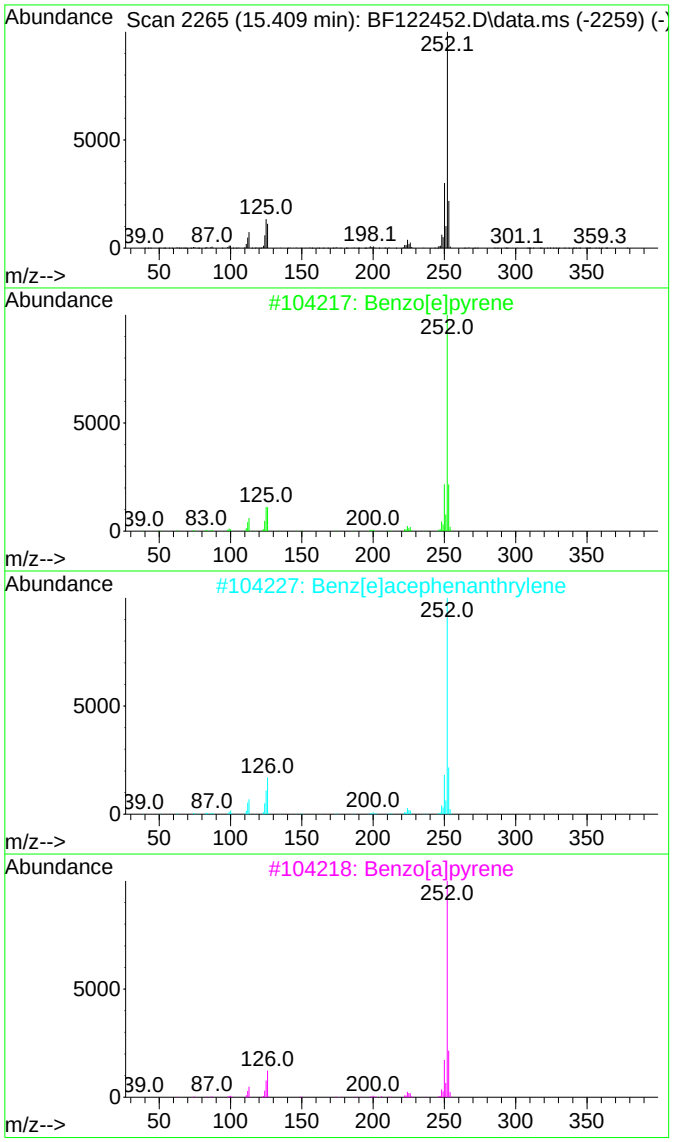
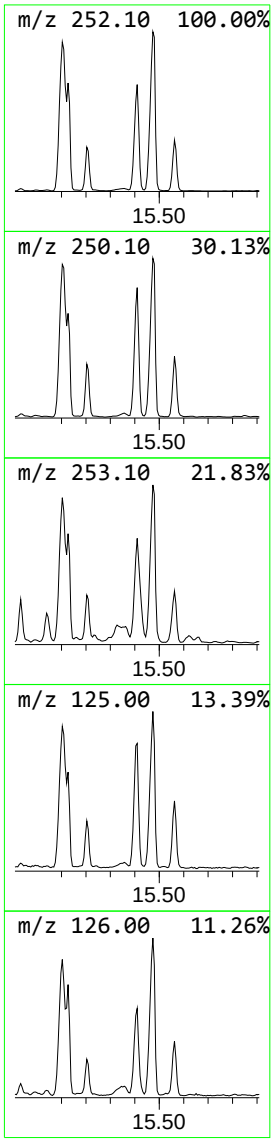
Peak Number 18 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.409	42.75 ng	3089610	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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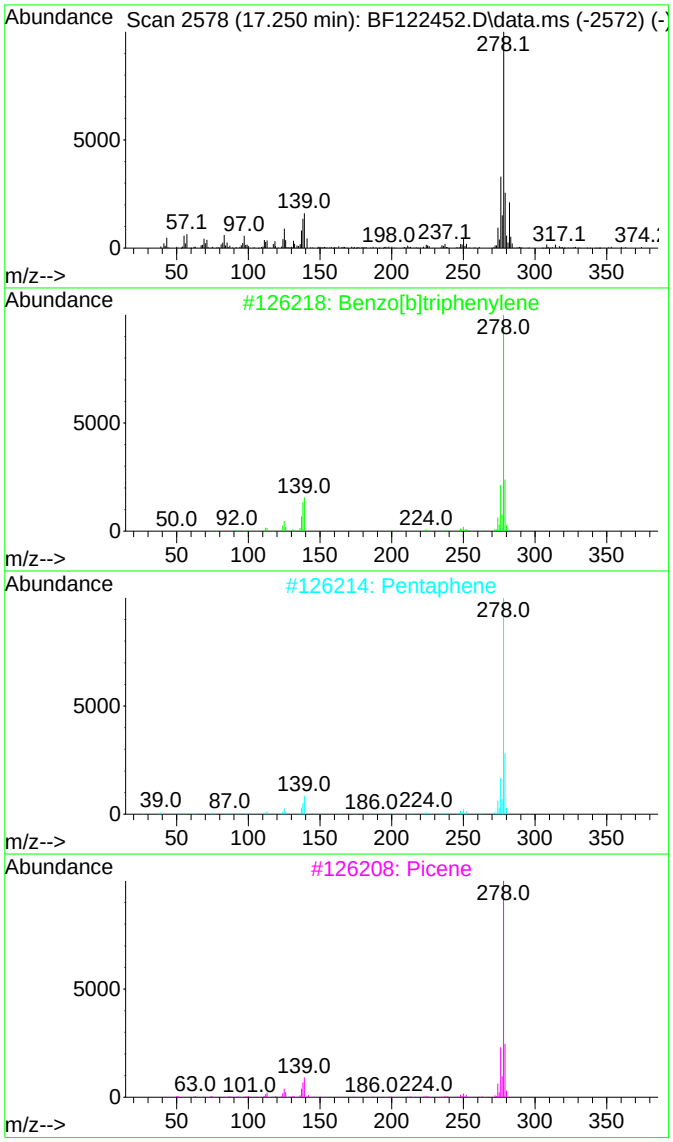
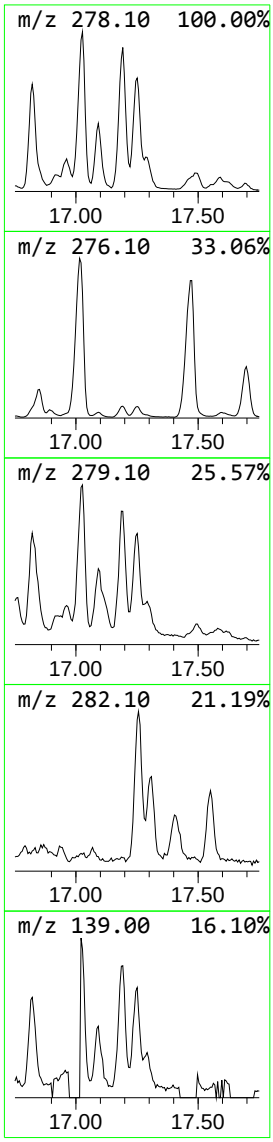
Peak Number 19 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.250	9.86 ng	712581	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Pentaphene	278	C22H14	000222-93-5	97
3	Picene	278	C22H14	000213-46-7	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.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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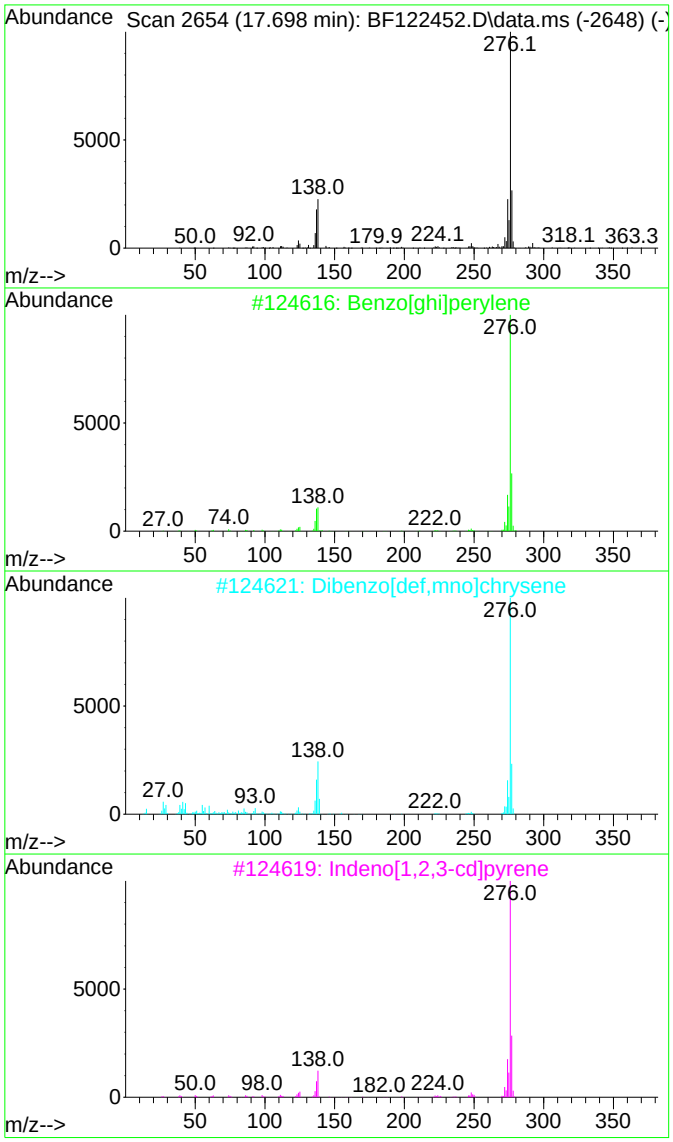
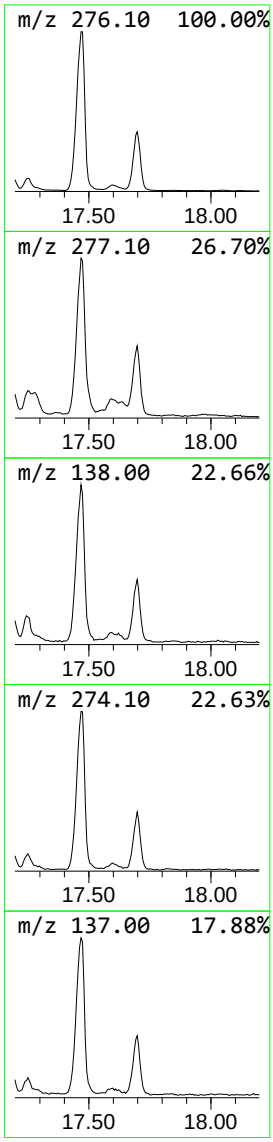
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.698	11.30 ng	816602	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	98
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.134	12.2	ng	643231	1	6.863	1051820	20.0
2-Pentanone, 4-...	5.075	34.0	ng	1785760	1	6.863	1051820	20.0
9H-Fluorene, 2-...	11.004	19.5	ng	1250230	4	11.398	1283100	20.0
9H-Fluorene, 3-...	11.033	10.3	ng	662957	4	11.398	1283100	20.0
Anthracene, 1,2...	11.257	12.8	ng	819157	4	11.398	1283100	20.0
Dibenzothiophene	11.292	18.3	ng	1172930	4	11.398	1283100	20.0
Phenanthrene, 2...	11.904	39.1	ng	2509330	4	11.398	1283100	20.0
Phenanthrene, 1...	11.933	41.6	ng	2671240	4	11.398	1283100	20.0
Anthracene, 1-m...	11.980	20.0	ng	1283190	4	11.398	1283100	20.0
4H-Cyclopenta[d...	12.016	63.2	ng	4054480	4	11.398	1283100	20.0
Anthracene, 2-m...	12.039	22.7	ng	1457750	4	11.398	1283100	20.0
Naphthalene, 2-...	12.198	23.9	ng	1534160	4	11.398	1283100	20.0
Anthracene, 2-e...	12.345	11.1	ng	713066	4	11.398	1283100	20.0
Phenanthrene, 2...	12.457	20.5	ng	1315160	4	11.398	1283100	20.0
unknown12.498	12.498	17.0	ng	1090590	4	11.398	1283100	20.0
9,10-Dimethylan...	12.551	10.0	ng	638759	4	11.398	1283100	20.0
Benzo[e]pyrene	15.204	12.5	ng	904603	6	15.533	1445330	20.0
Perylene	15.409	42.8	ng	3089610	6	15.533	1445330	20.0
Benzo[b]triphen...	17.250	9.9	ng	712581	6	15.533	1445330	20.0
Dibenzo[def,mno...	17.698	11.3	ng	816602	6	15.533	1445330	20.0