LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123625.D
Acq On : 19 Apr 2021 16:36
Operator : JU/CG
Sample : M2051-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124055

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-BF041521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123625.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	13	rVB	2692932	3267539	53.91%	3.364%
2	3.363	212	217	230	rBV	218085	478544	7.90%	0.493%
3	5.486	574	578	582	rBV	6473132	5884133	97.08%	6.059%
4	6.498	745	750	753	rBV	6693669	6061183	100.00%	6.241%
5	6.686	779	782	788	rBV	159202	163385	2.70%	0.168%
6	6.863	808	812	815	rBV	1889067	1451033	23.94%	1.494%
7	7.422	898	907	910	rBV	4166246	4044911	66.73%	4.165%
8	8.145	1026	1030	1032	rBV	2084061	2006123	33.10%	2.066%
9	8.169	1032	1034	1037	rVV	3497253	2671789	44.08%	2.751%
10	8.216	1039	1042	1048	rVB	147160	134134	2.21%	0.138%
11	8.863	1148	1152	1155	rBV	837207	688582	11.36%	0.709%
12	8.957	1164	1168	1172	rVB	434189	407603	6.72%	0.420%
13	9.227	1209	1214	1217	rBV	6425121	5520110	91.07%	5.684%
14	9.327	1229	1231	1232	rVV	281315	275922	4.55%	0.284%
15	9.345	1232	1234	1243	rVV	925930	785748	12.96%	0.809%
16	9.422	1244	1247	1252	rVB	128668	118673	1.96%	0.122%
17	9.492	1254	1259	1262	rBV2	129977	183140	3.02%	0.189%
18	9.563	1268	1271	1273	rBV	203256	184335	3.04%	0.190%
19	9.592	1273	1276	1278	rVV	119571	112389	1.85%	0.116%
20	9.616	1278	1280	1284	rVV	615853	524152	8.65%	0.540%
21	9.763	1302	1305	1310	rVB	246590	216380	3.57%	0.223%
22	9.904	1326	1329	1332	rVB	2067617	1818692	30.01%	1.873%
23	9.939	1332	1335	1338	rVB	2624379	1973133	32.55%	2.032%
24	10.063	1351	1356	1360	rBV	115080	112343	1.85%	0.116%
25	10.110	1360	1364	1367	rBV	1256714	975697	16.10%	1.005%
26	10.451	1419	1422	1426	rBV	1421935	1314582	21.69%	1.354%
27	10.498	1426	1430	1432	rBV3	226630	326700	5.39%	0.336%
28	10.539	1435	1437	1439	rVB2	179921	132752	2.19%	0.137%
29	10.610	1447	1449	1453	rVB	228449	189974	3.13%	0.196%
30	10.698	1458	1464	1467	rBV	4840529	4210397	69.46%	4.335%
31	10.816	1480	1484	1492	rVB5	197698	266064	4.39%	0.274%
32	10.886	1492	1496	1499	rBV4	97975	112278	1.85%	0.116%
33	11.004	1513	1516	1518	rVB2	144520	124063	2.05%	0.128%
34	11.198	1546	1549	1553	rVB2	339868	290466	4.79%	0.299%
35	11.257	1553	1559	1562	rVV3	199819	299632	4.94%	0.309%
36	11.292	1562	1565	1570	rVB	409921	378188	6.24%	0.389%

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124055

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-BF041521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.398	1579	1583	1585	rBV	2039624	2126328	35.08%	2.189%
38	11.421	1585	1587	1590	rVV	5443656	4217670	69.58%	4.343%
39	11.468	1590	1595	1598	rVV	971431	889383	14.67%	0.916%
40	11.504	1598	1601	1604	rVB2	144023	140183	2.31%	0.144%
41	11.621	1616	1621	1624	rBV	296667	267103	4.41%	0.275%
42	11.692	1630	1633	1636	rBV	199262	149124	2.46%	0.154%
43	11.898	1664	1668	1670	rBV	494058	397136	6.55%	0.409%
44	11.927	1670	1673	1677	rVV	1097416	932046	15.38%	0.960%
45	11.974	1677	1681	1683	rVV	183109	200502	3.31%	0.206%
46	12.010	1683	1687	1689	rVV	991758	971571	16.03%	1.000%
47	12.033	1689	1691	1694	rVB	322872	258433	4.26%	0.266%
48	12.192	1715	1718	1720	rBV	415894	340612	5.62%	0.351%
49	12.215	1720	1722	1725	rVB2	189721	153738	2.54%	0.158%
50	12.345	1741	1744	1746	rVB	134756	110557	1.82%	0.114%
51	12.374	1746	1749	1751	rBV	169703	125097	2.06%	0.129%
52	12.451	1758	1762	1765	rBV	405998	428081	7.06%	0.441%
53	12.486	1765	1768	1770	rVV2	295094	302386	4.99%	0.311%
54	12.533	1773	1776	1781	rVB2	301537	310483	5.12%	0.320%
55	12.615	1786	1790	1793	rBV	5079835	4404461	72.67%	4.535%
56	12.657	1793	1797	1798	rBV2	110784	131108	2.16%	0.135%
57	12.762	1813	1815	1818	rVV	144115	128214	2.12%	0.132%
58	12.845	1822	1829	1832	rBV	4290206	4596577	75.84%	4.733%
59	12.892	1834	1837	1842	rVB2	198338	284164	4.69%	0.293%
60	12.957	1842	1848	1850	rBV	270500	338119	5.58%	0.348%
61	12.986	1850	1853	1856	rVV	5146129	4282542	70.66%	4.409%
62	13.057	1860	1865	1869	rBV4	365862	560204	9.24%	0.577%
63	13.145	1877	1880	1881	rVV3	257125	239498	3.95%	0.247%
64	13.168	1881	1884	1887	rVB	612112	615299	10.15%	0.634%
65	13.233	1891	1895	1898	rBV	376192	377081	6.22%	0.388%
66	13.274	1898	1902	1904	rBV2	583666	541046	8.93%	0.557%
67	13.368	1914	1918	1920	rBV	346237	300445	4.96%	0.309%
68	13.398	1920	1923	1927	rBV	370094	333881	5.51%	0.344%
69	13.674	1964	1970	1975	rVB	389482	477935	7.89%	0.492%
70	13.786	1985	1989	1992	rBV2	336228	483166	7.97%	0.497%
71	13.821	1992	1995	1996	rBV	234358	181750	3.00%	0.187%
72	13.839	1996	1998	2003	rBV2	193187	200108	3.30%	0.206%
73	13.880	2003	2005	2008	rBV	223251	245444	4.05%	0.253%
74	14.033	2024	2031	2035	rBV2	2293786	3681237	60.73%	3.790%
75	14.068	2035	2037	2042	rVB	2015650	1717897	28.34%	1.769%
76	14.151	2048	2051	2053	rBV	176232	131760	2.17%	0.136%

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77	14.257	2066	2069	2074	rVB2	111627	172589	2.85%	0.178%
78	14.392	2090	2092	2094	rBV	133076	121268	2.00%	0.125%
79	14.427	2094	2098	2101	rVV	453766	556202	9.18%	0.573%
80	14.462	2101	2104	2107	rVV	349911	308558	5.09%	0.318%
81	14.521	2108	2114	2117	rVV3	258415	402213	6.64%	0.414%
82	14.556	2117	2120	2121	rVV	288178	293125	4.84%	0.302%
83	14.574	2121	2123	2127	rVV4	241944	245240	4.05%	0.253%
84	14.627	2127	2132	2136	rVB3	121934	192343	3.17%	0.198%
85	14.821	2162	2165	2169	rBV3	118592	163853	2.70%	0.169%
86	15.092	2206	2211	2214	rBV	1501793	2318194	38.25%	2.387%
87	15.174	2222	2225	2227	rBV2	155797	171562	2.83%	0.177%
88	15.198	2227	2229	2234	rVB	250855	245870	4.06%	0.253%
89	15.398	2259	2263	2269	rVB	930850	1218004	20.10%	1.254%
90	15.462	2269	2274	2280	rVB	1265273	1540195	25.41%	1.586%
91	15.527	2280	2285	2288	rBV	1078117	1397875	23.06%	1.439%
92	15.556	2288	2290	2296	rVB2	435126	555377	9.16%	0.572%
93	16.009	2363	2367	2373	rBV2	177553	261351	4.31%	0.269%
94	16.092	2378	2381	2385	rBV5	85308	125921	2.08%	0.130%
95	16.821	2500	2505	2508	rBV2	107544	207616	3.43%	0.214%
96	17.009	2531	2537	2545	rVB3	547686	1065306	17.58%	1.097%
97	17.192	2565	2568	2572	rVB2	87644	124961	2.06%	0.129%
98	17.245	2574	2577	2582	rBV3	91489	156711	2.59%	0.161%
99	17.456	2607	2613	2625	rVB	406272	862643	14.23%	0.888%
100	17.692	2649	2653	2658	rVB	78240	136950	2.26%	0.141%

Sum of corrected areas: 97121065

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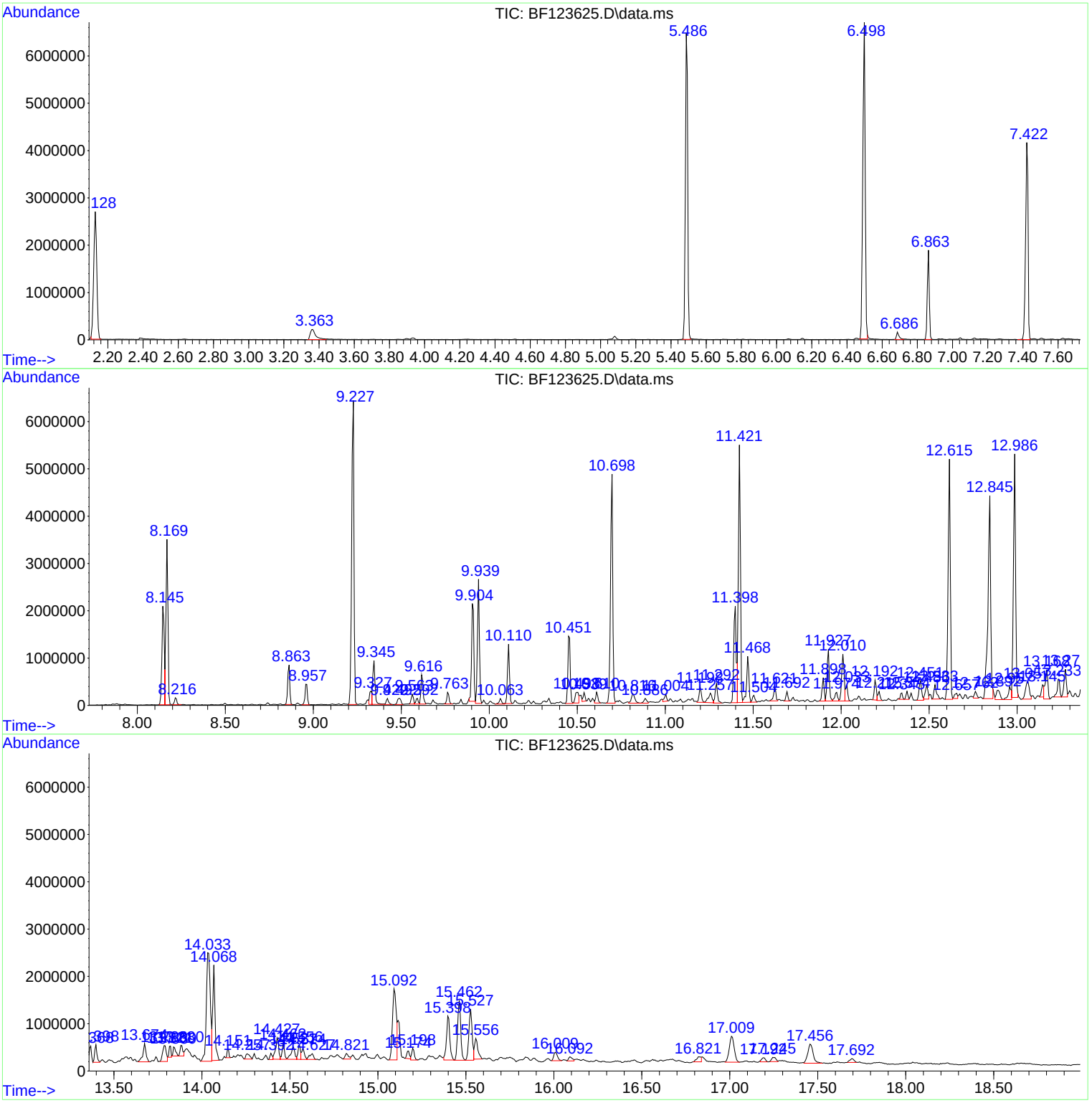
Instrument :
BNA_F
ClientSampleId :
0124055

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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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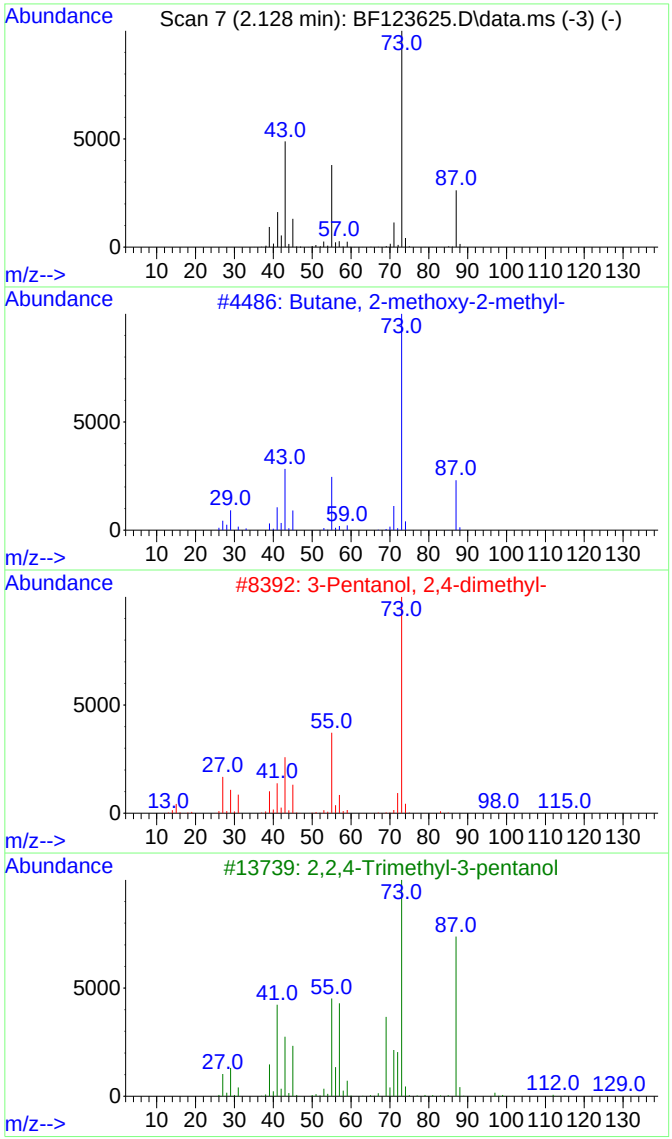
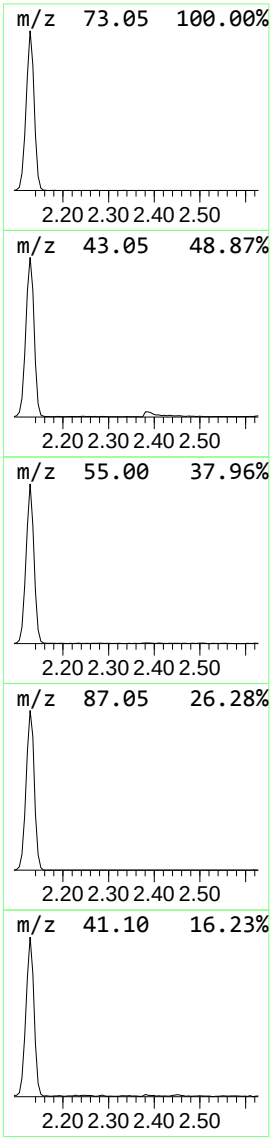
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	45.04 ng	3267540	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	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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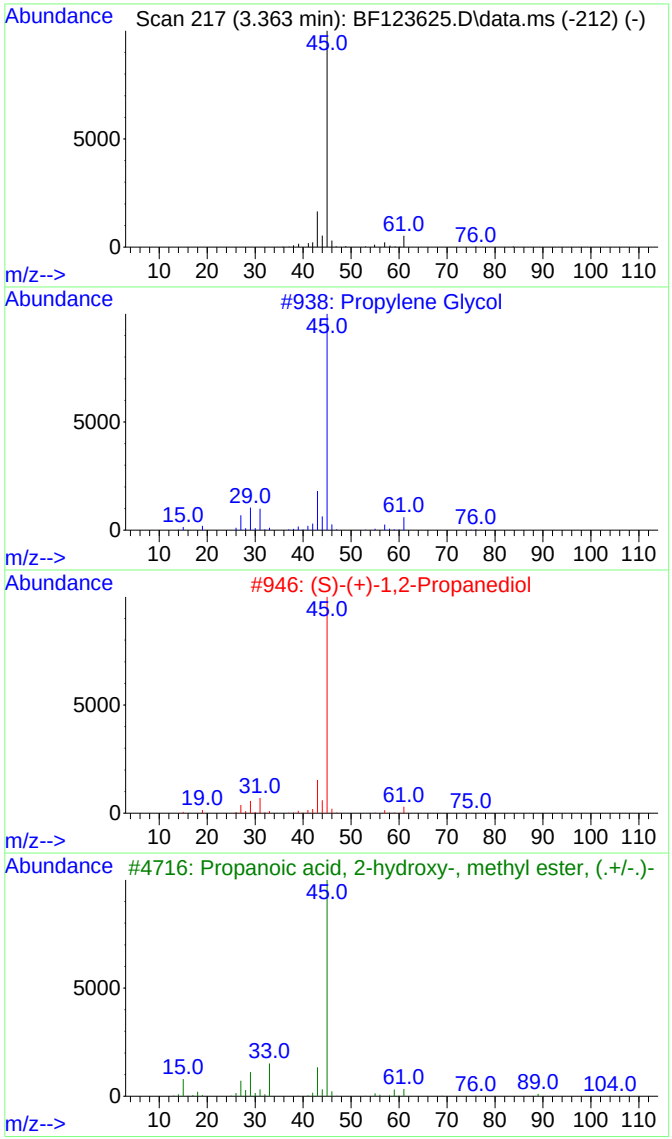
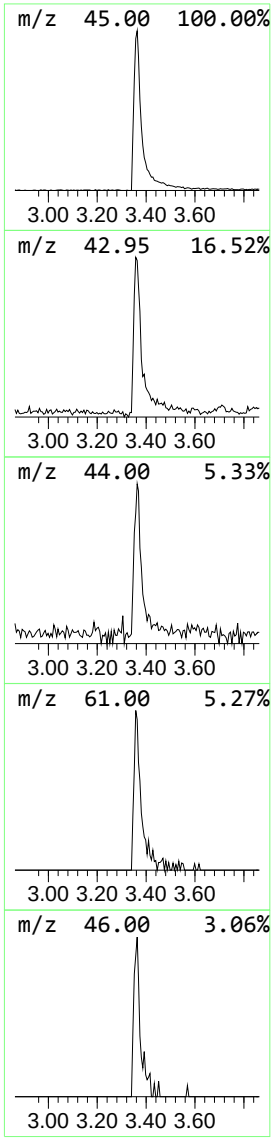
****

Peak Number 2 Propylene Glycol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.363	6.60 ng	478544	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	90
2	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	56
3	Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	002155-30-8	40
4	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	9
5	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
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TIC Library : C:\DATABASE\NIST11.L
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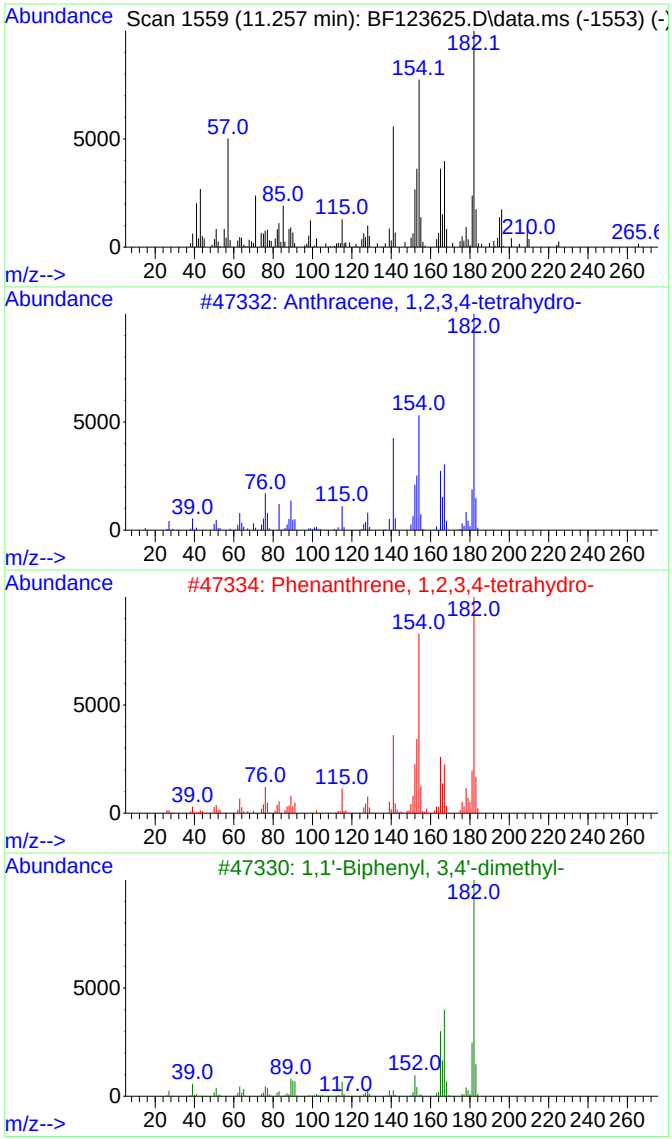
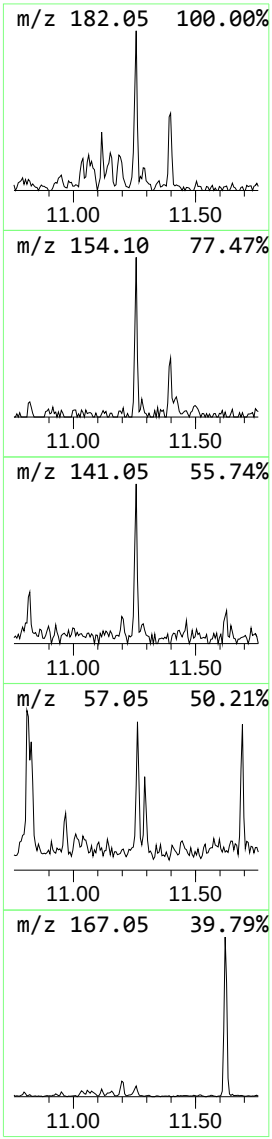
****
Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	2.82 ng	299632	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	94
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	89
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	86
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124055

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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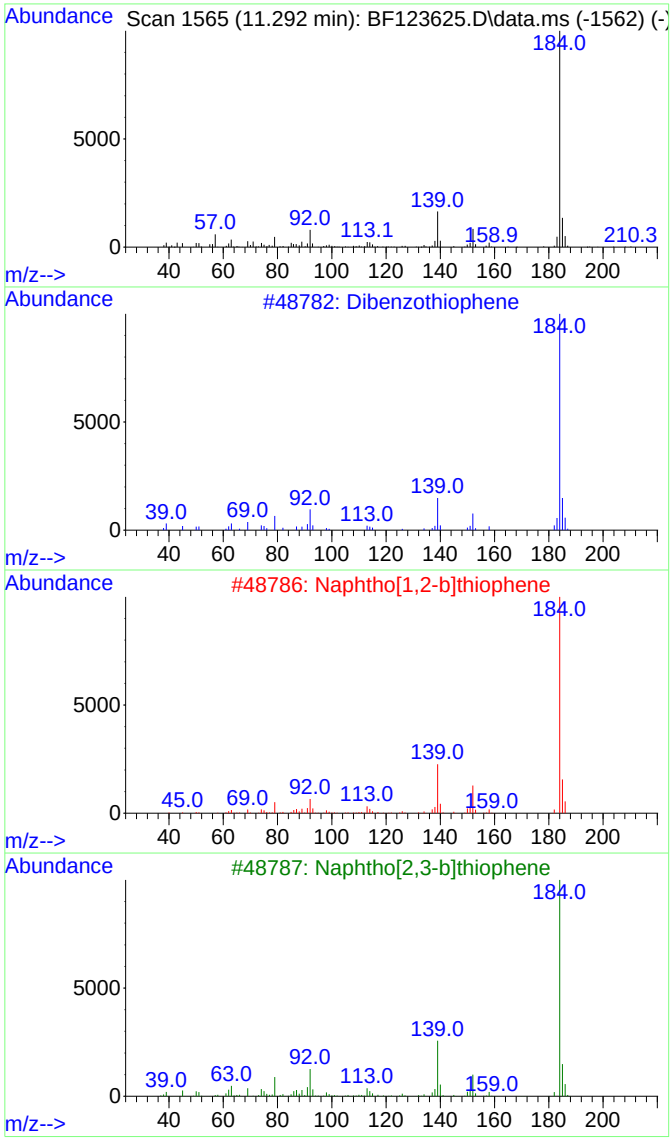
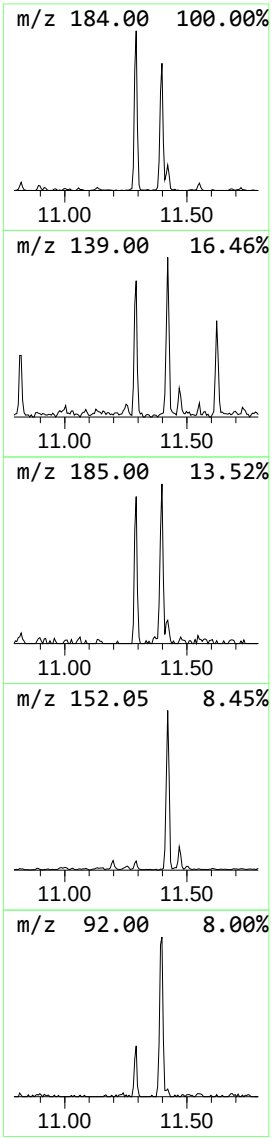
Peak Number 4 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	3.56 ng	378188	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	86





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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

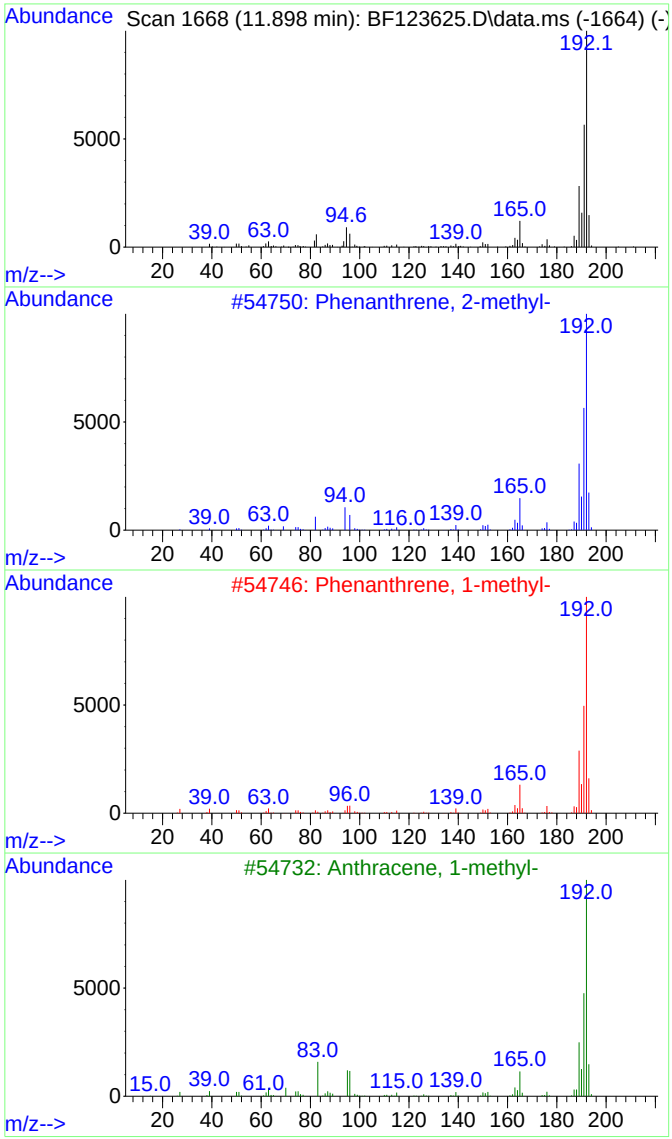
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

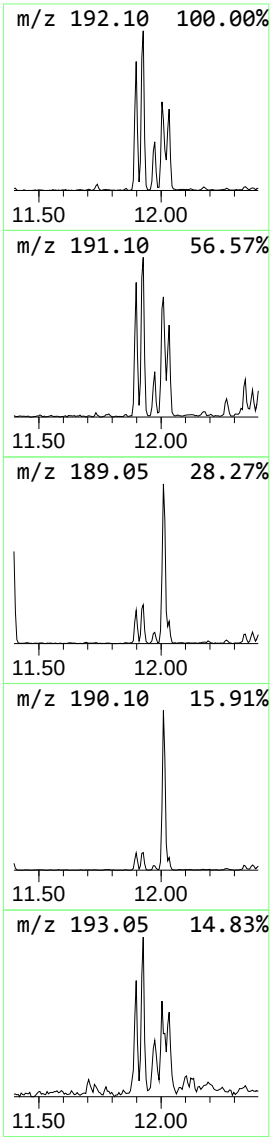
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	3.74 ng	397136	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Acq On : 19 Apr 2021 16:36
Operator : JU/CG
Sample : M2051-05
Misc :
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Instrument : BNA_F
ClientSampleId : 0124055

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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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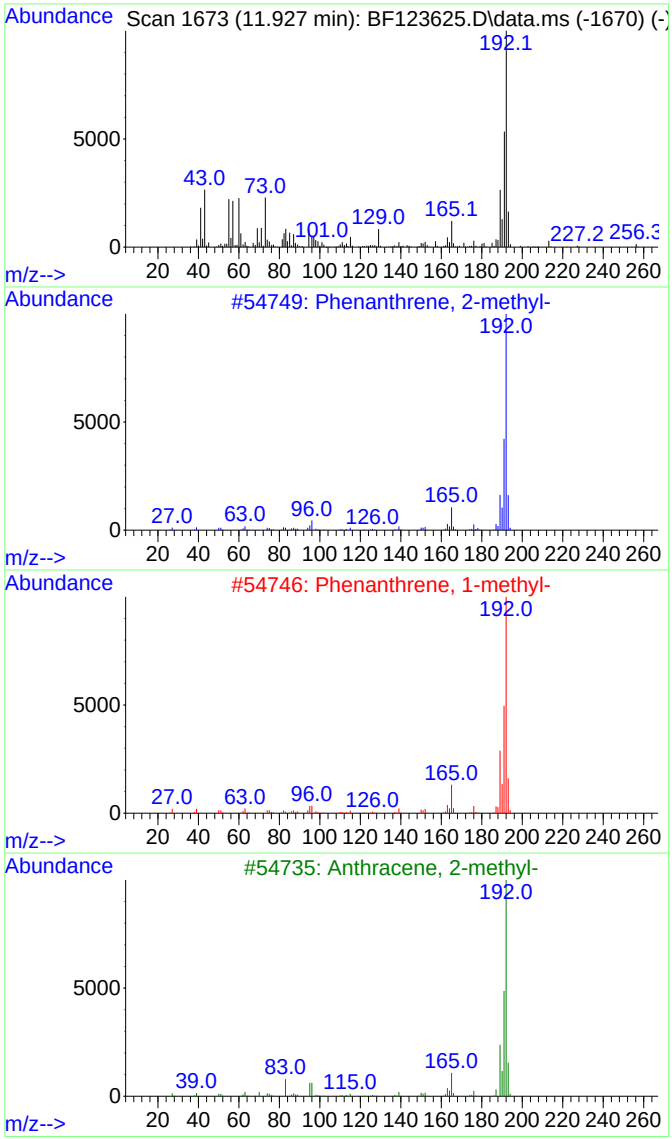
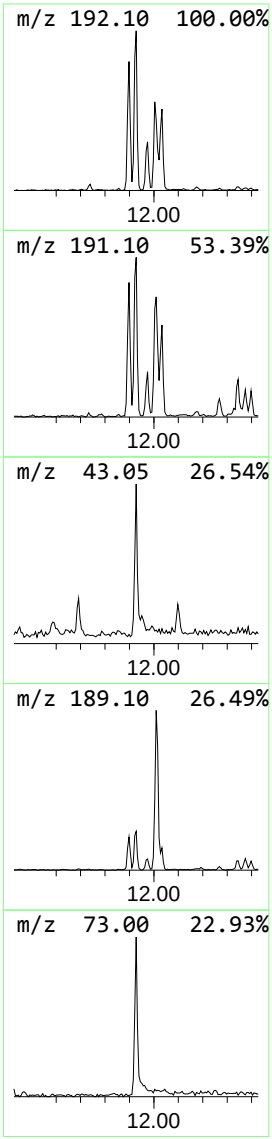
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	8.77 ng	932046	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Sample : M2051-05
Misc :
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Instrument : BNA_F
ClientSampleId : 0124055

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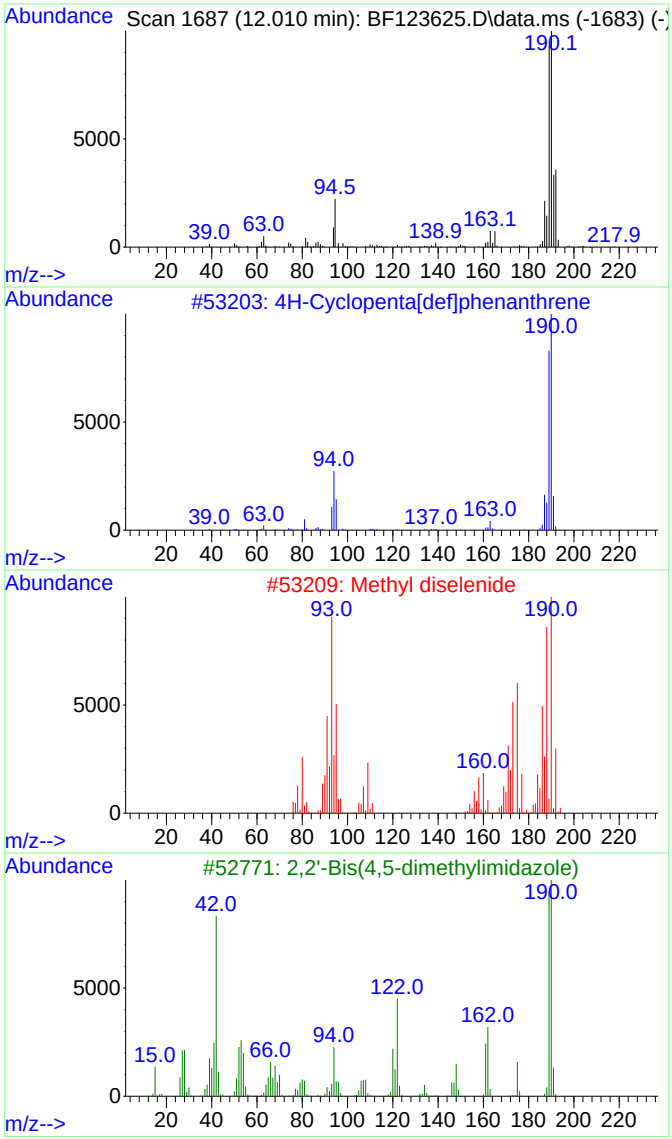
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

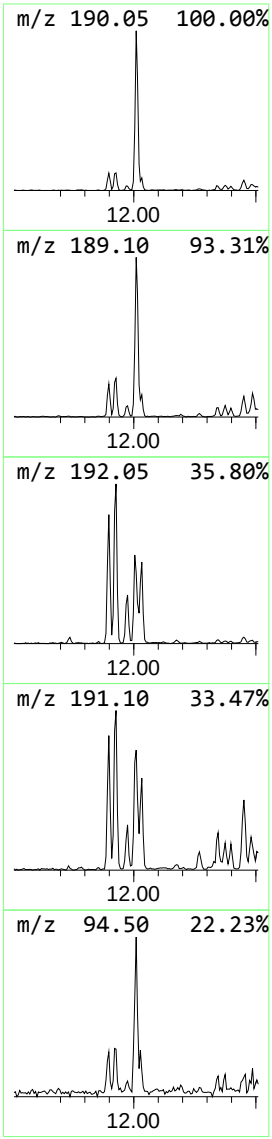
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	9.14 ng	971571	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Sample : M2051-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124055

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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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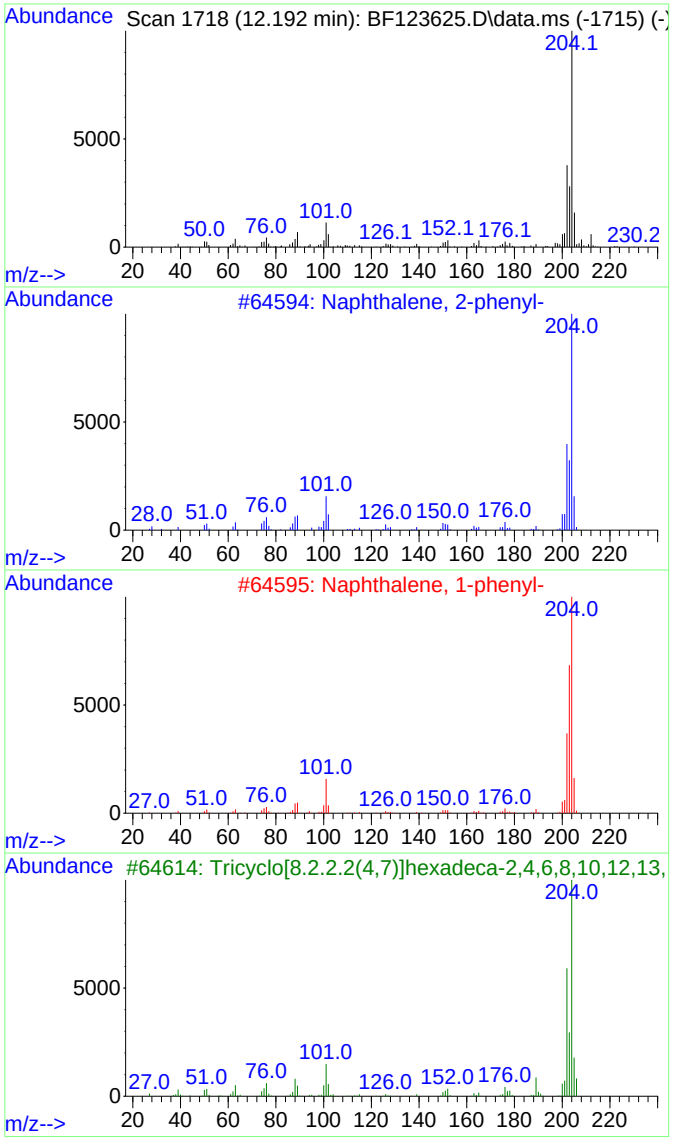
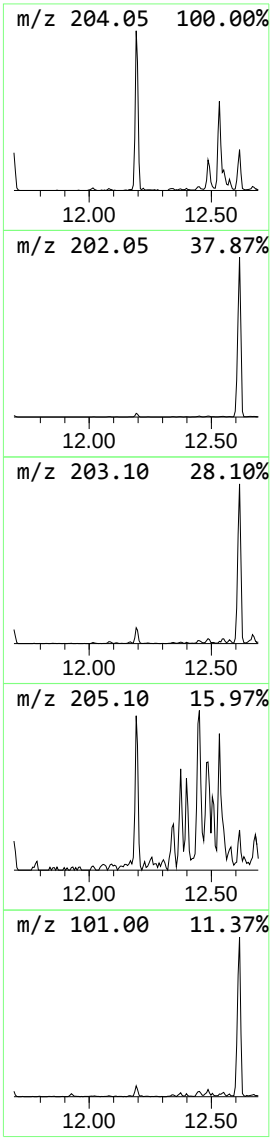
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	3.20 ng	340612	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59





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Instrument :
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ClientSampleId :
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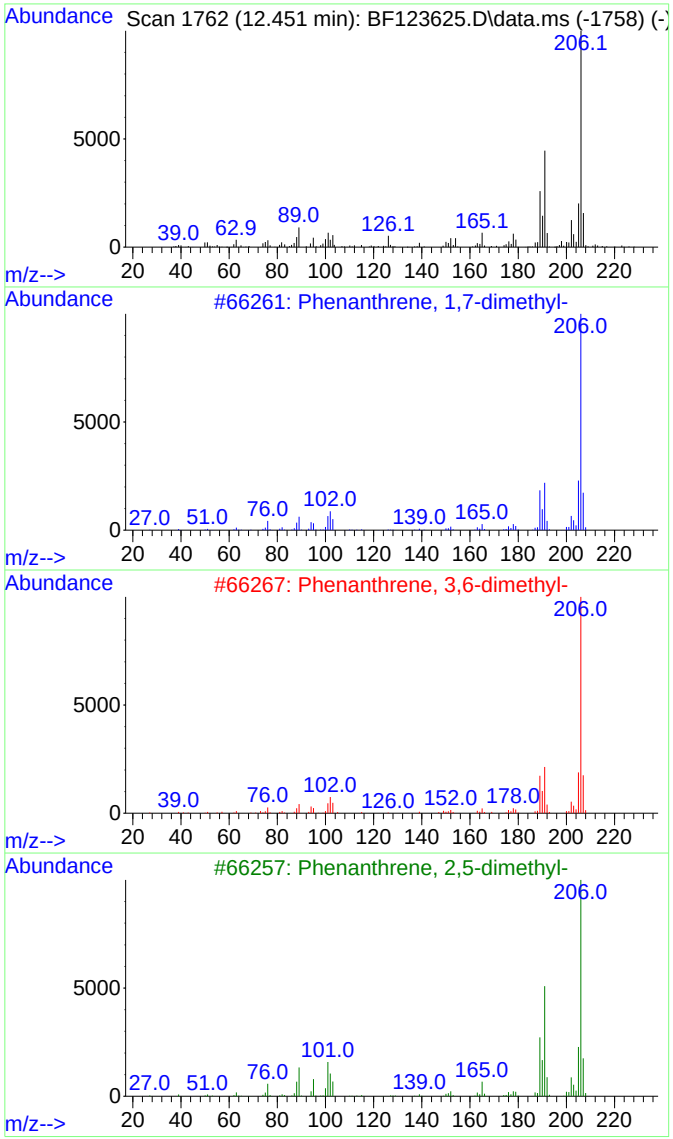
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

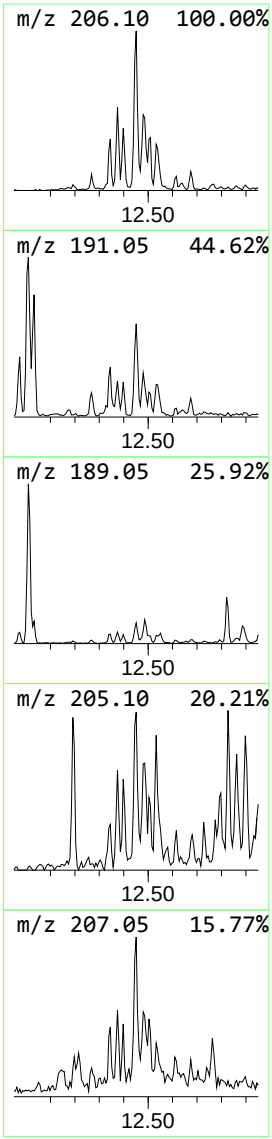
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	4.03 ng	428081	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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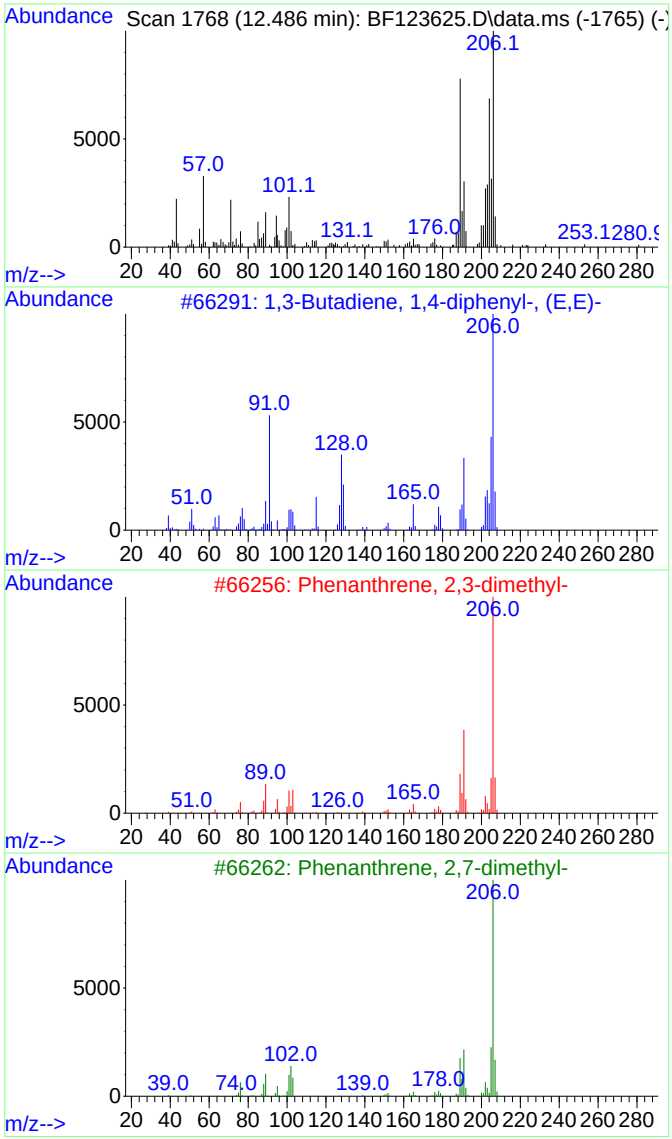
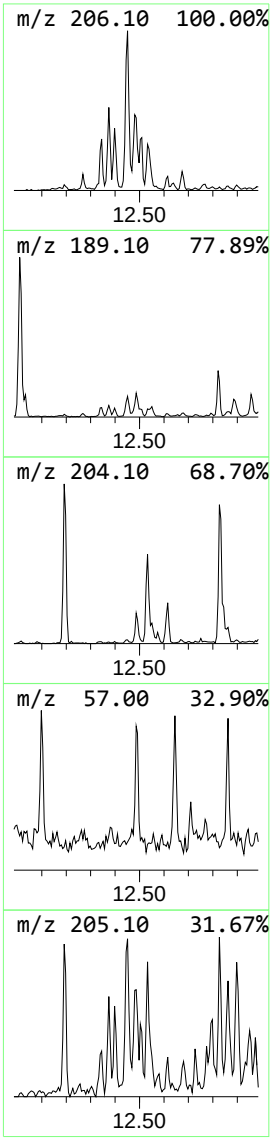
Peak Number 10 unknown12.48 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	2.84 ng	302386	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	46
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	42
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	41
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38





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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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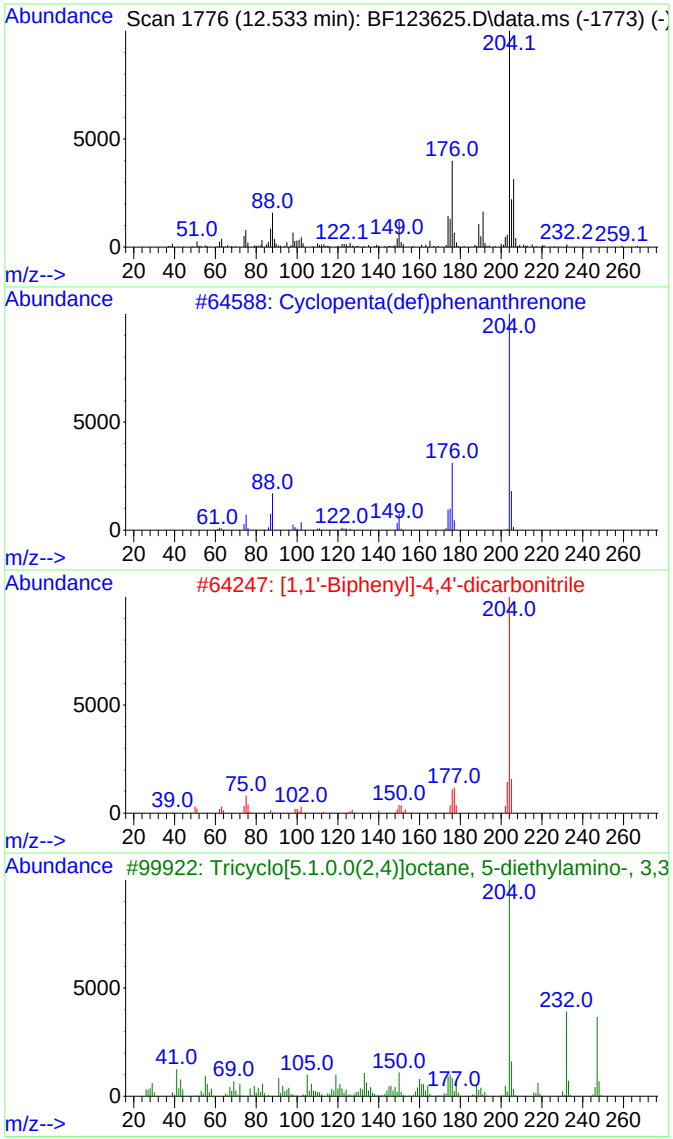
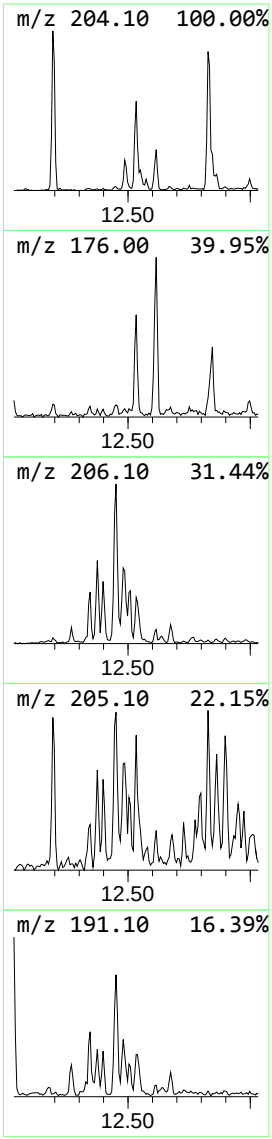
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	2.92 ng	310483	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Sample : M2051-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124055

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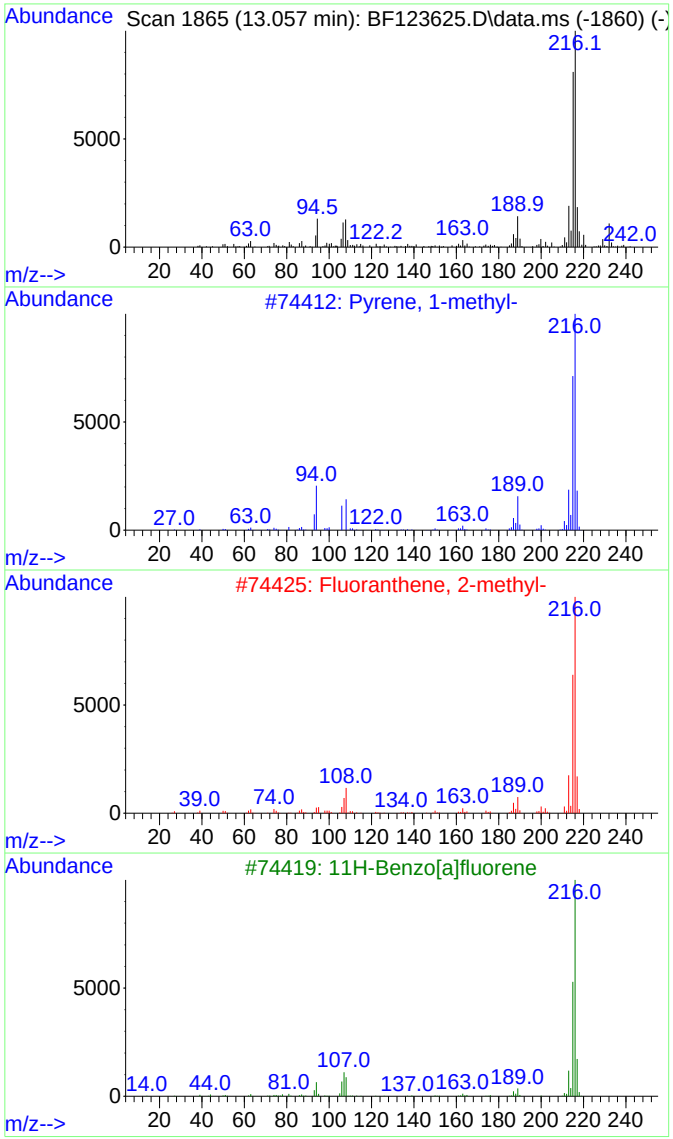
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

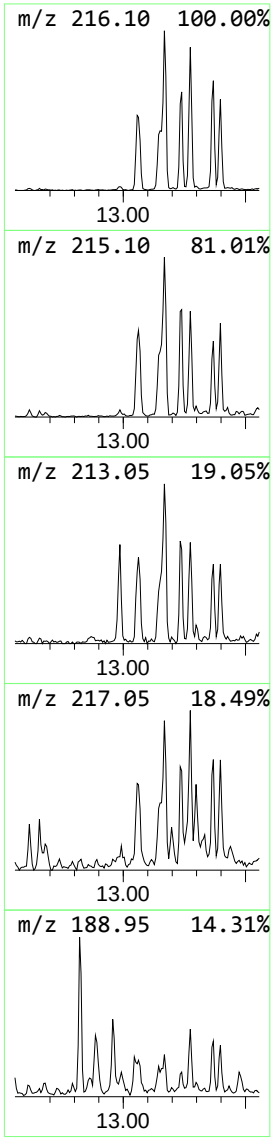
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.057	3.04 ng	560204	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Sample : M2051-05
Misc :
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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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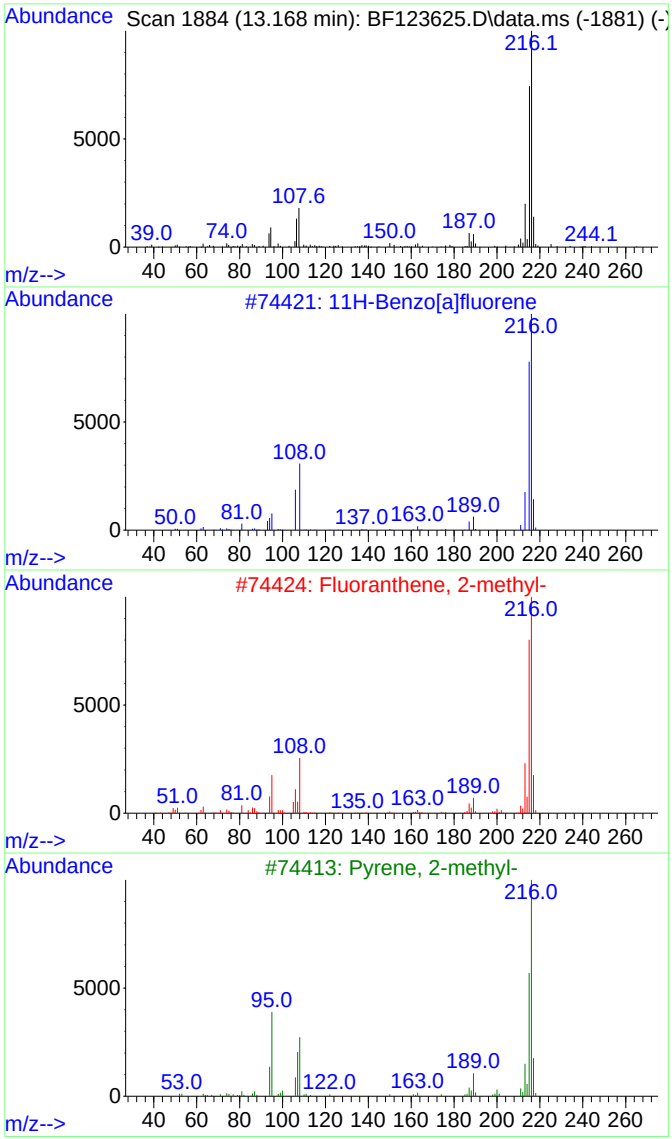
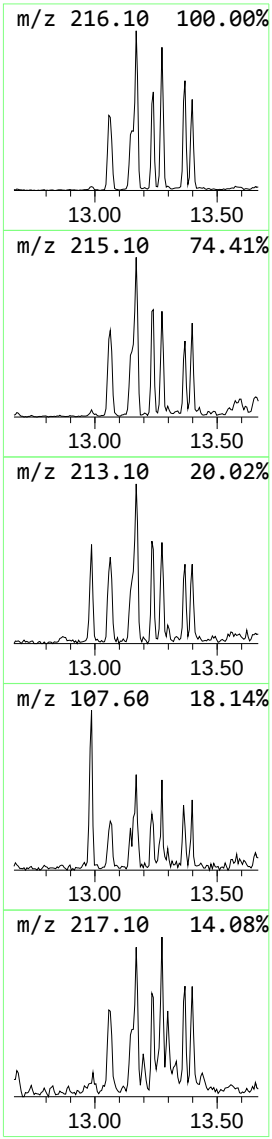
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.168	3.34 ng	615299	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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ClientSampleId : 0124055

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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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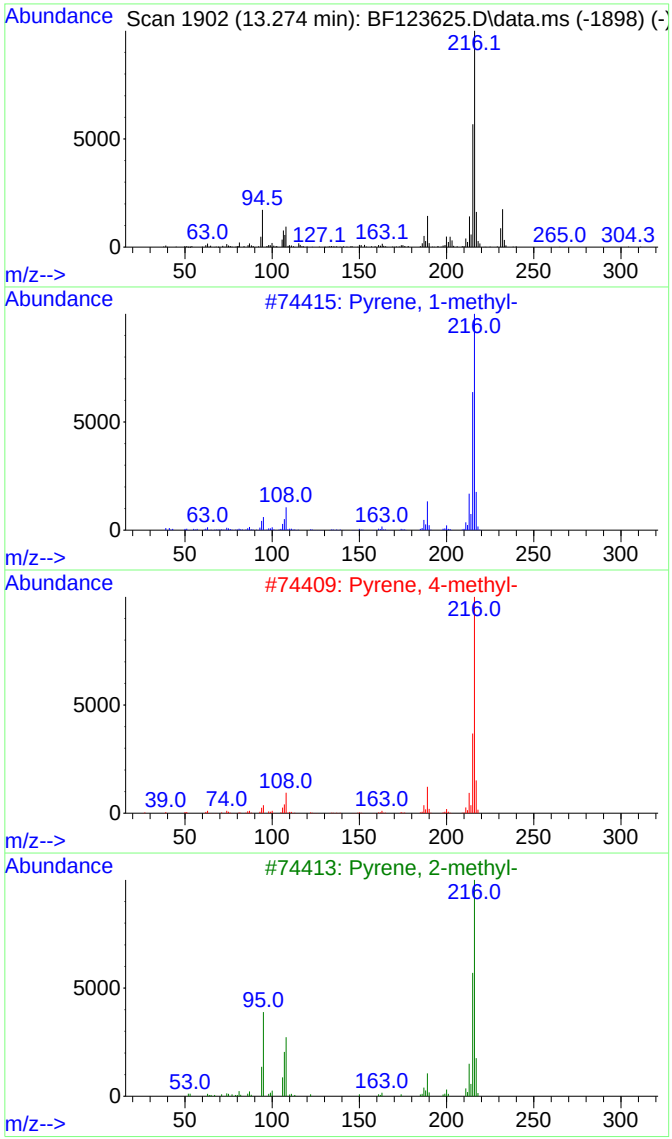
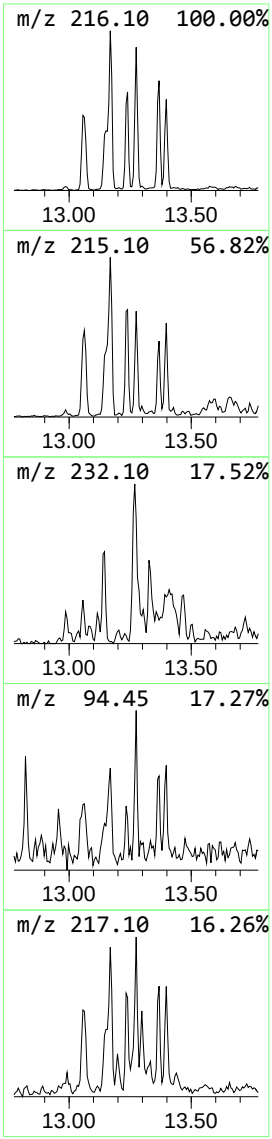
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.274	2.94 ng	541046	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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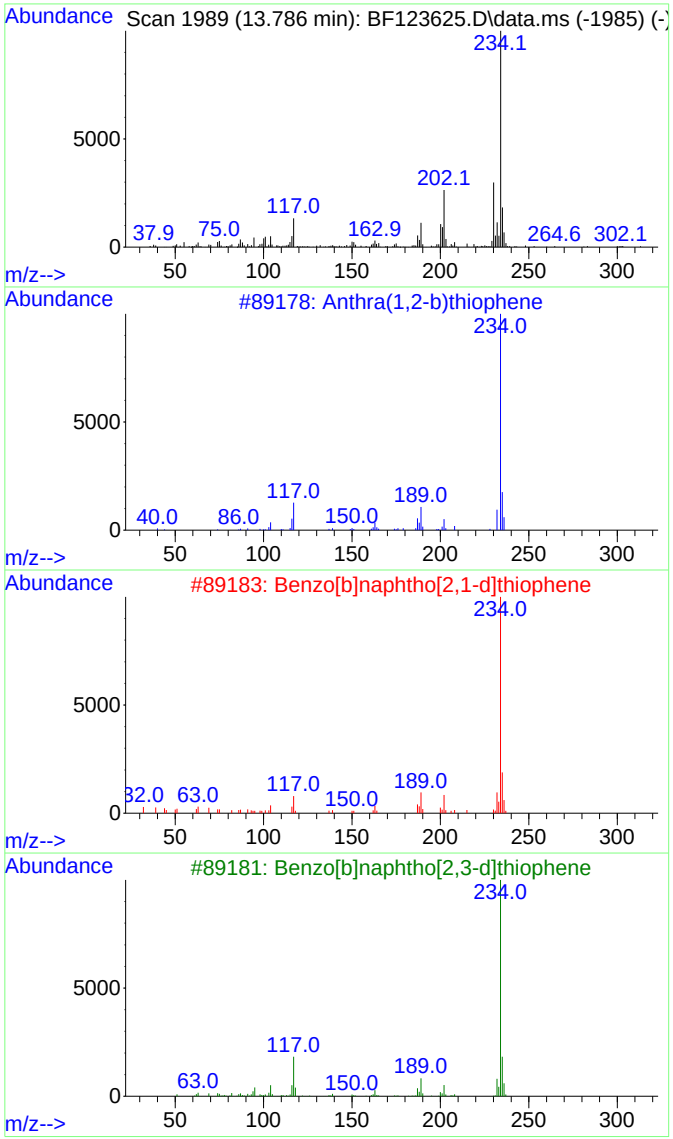
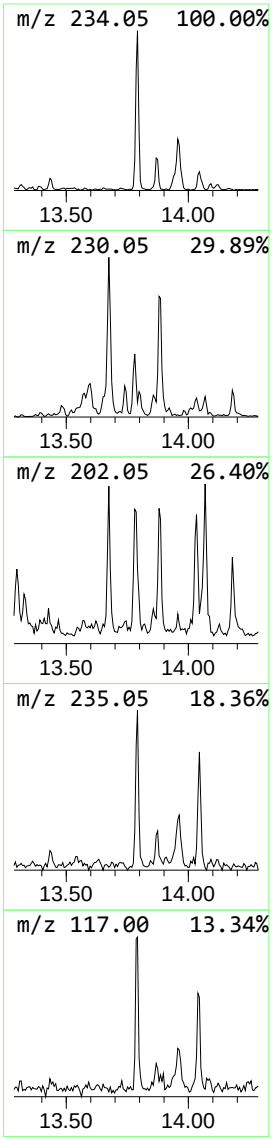
Peak Number 15 Anthra(1,2-b)thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	2.63 ng	483166	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
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	93
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	60





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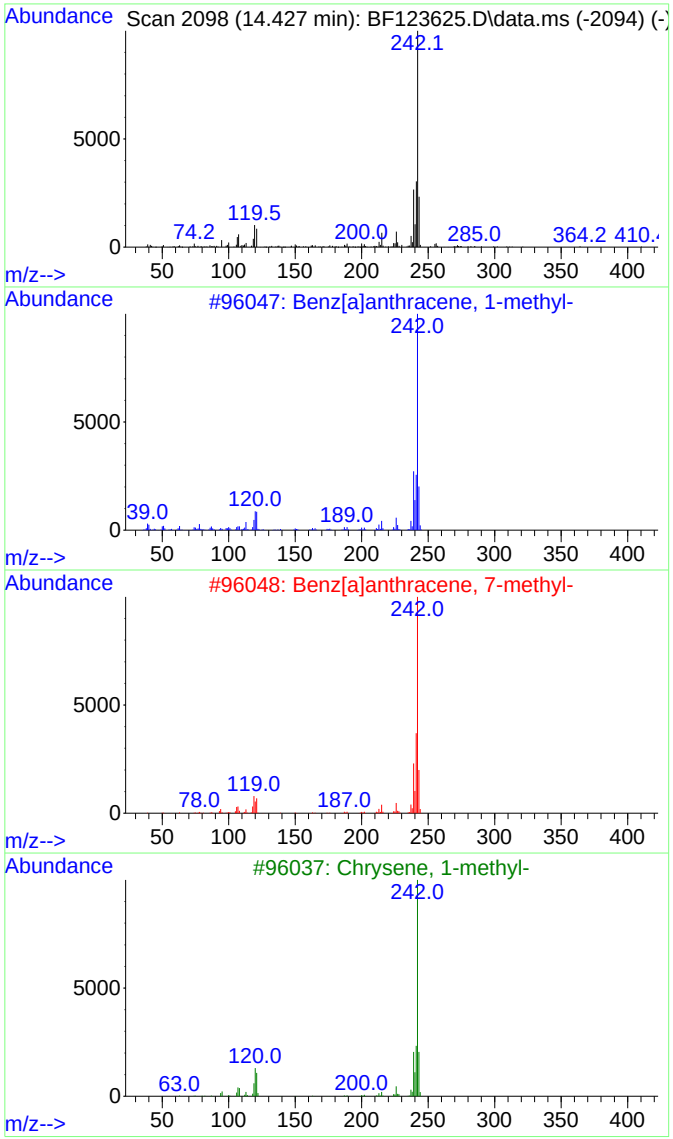
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

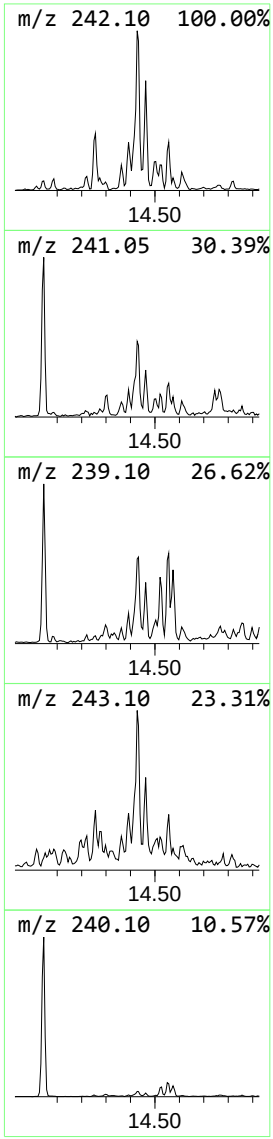
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benz[a]anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.427	3.02 ng	556202	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124055

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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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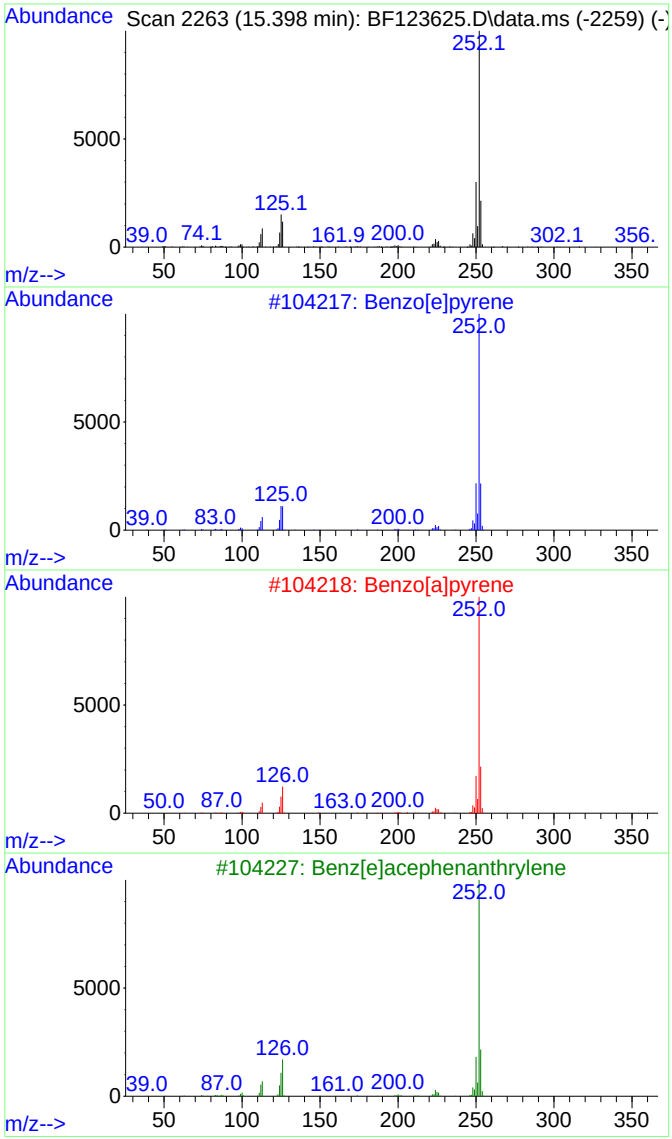
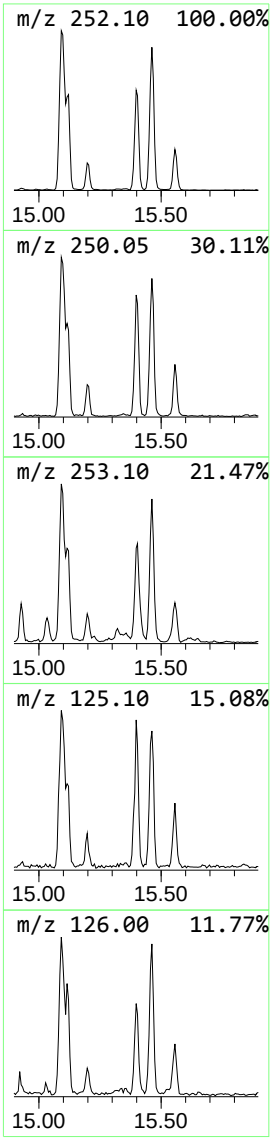
Peak Number 18 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	17.43 ng	1218000	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123625.D
Acq On : 19 Apr 2021 16:36
Operator : JU/CG
Sample : M2051-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124055

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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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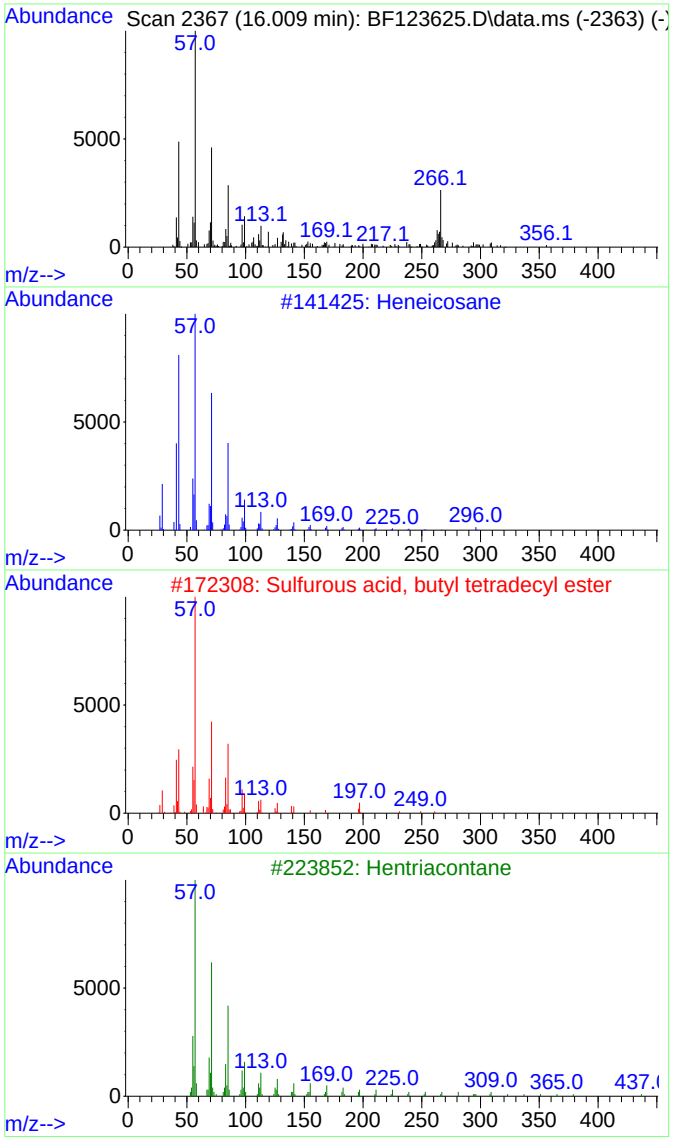
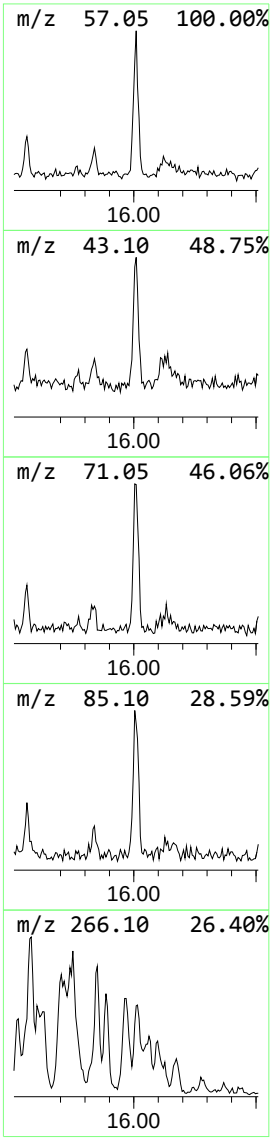
Peak Number 19 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.009	3.74 ng	261351	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	59
3	Hentriacontane	437	C31H64	000630-04-6	58
4	Nonadecane	268	C19H40	000629-92-5	55
5	Hexacosane	366	C26H54	000630-01-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123625.D
Acq On : 19 Apr 2021 16:36
Operator : JU/CG
Sample : M2051-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
0124055

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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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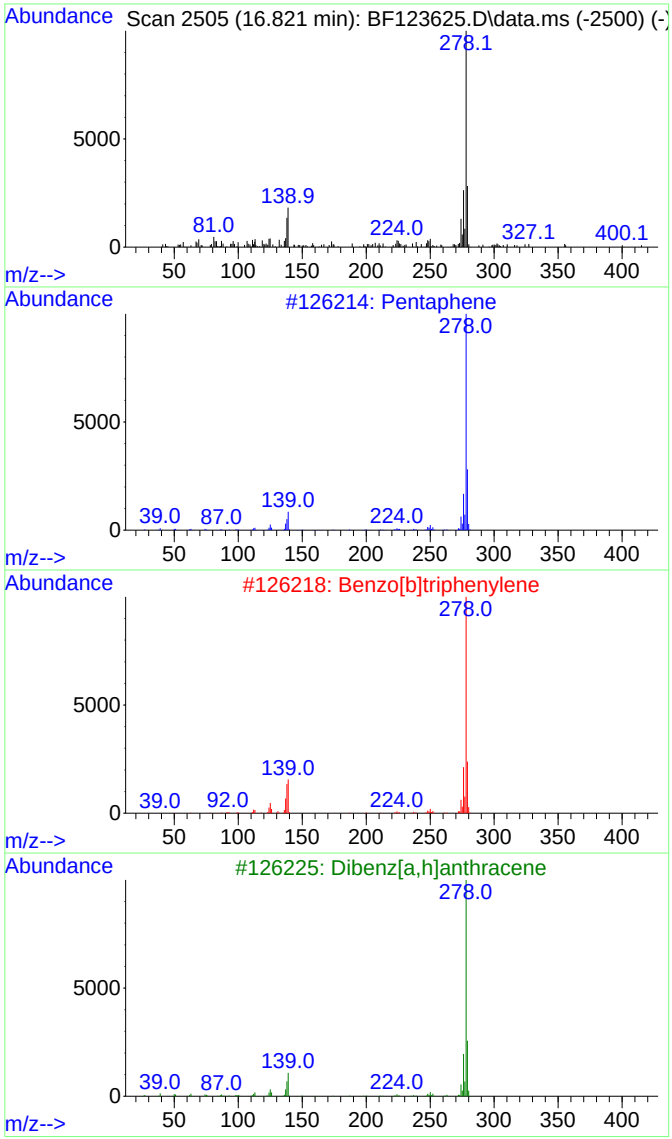
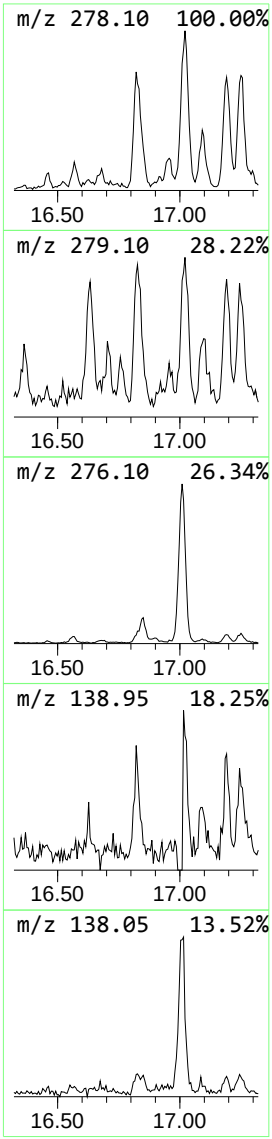
Peak Number 20 Pentaphene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.821	2.97 ng	207616	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	81
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	81
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	74
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	74
5	Benzo[b]chrysene	278	C22H14	000214-17-5	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123625.D
Acq On : 19 Apr 2021 16:36
Operator : JU/CG
Sample : M2051-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0124055

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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...	2.128	45.0	ng	3267540	1	6.863	1451030	20.0
Propylene Glycol	3.363	6.6	ng	478544	1	6.863	1451030	20.0
Anthracene, 1,2...	11.257	2.8	ng	299632	4	11.398	2126330	20.0
Dibenzothiophene	11.292	3.6	ng	378188	4	11.398	2126330	20.0
Phenanthrene, 1...	11.898	3.7	ng	397136	4	11.398	2126330	20.0
Phenanthrene, 2...	11.927	8.8	ng	932046	4	11.398	2126330	20.0
4H-Cyclopenta[d...	12.010	9.1	ng	971571	4	11.398	2126330	20.0
Naphthalene, 2-...	12.192	3.2	ng	340612	4	11.398	2126330	20.0
Phenanthrene, 1...	12.451	4.0	ng	428081	4	11.398	2126330	20.0
unknown12.48	12.486	2.8	ng	302386	4	11.398	2126330	20.0
Cyclopenta(def)...	12.533	2.9	ng	310483	4	11.398	2126330	20.0
Pyrene, 1-methyl-	13.057	3.0	ng	560204	5	14.045	3681240	20.0
11H-Benzo[a]flu...	13.168	3.3	ng	615299	5	14.045	3681240	20.0
Pyrene, 4-methyl-	13.274	2.9	ng	541046	5	14.045	3681240	20.0
Anthra(1,2-b)th...	13.786	2.6	ng	483166	5	14.045	3681240	20.0
Benz[a]anthrace...	14.427	3.0	ng	556202	5	14.045	3681240	20.0
Benzo[e]pyrene	15.398	17.4	ng	1218000	6	15.527	1397880	20.0
Heneicosane	16.009	3.7	ng	261351	6	15.527	1397880	20.0
Pentaphene	16.821	3.0	ng	207616	6	15.527	1397880	20.0