LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123949.D
Acq On : 15 May 2021 17:20
Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05-COMP

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-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123949.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.175	9	15	21	rBV	392785	499855	38.75%	2.598%
2	2.287	29	34	40	rVB2	26987	37791	2.93%	0.196%
3	5.510	578	582	585	rBV	856289	771781	59.82%	4.012%
4	6.516	748	753	756	rBV	886361	807464	62.59%	4.197%
5	6.904	815	819	822	rBV	323979	270527	20.97%	1.406%
6	7.463	909	914	917	rVB	596208	560227	43.42%	2.912%
7	8.186	1031	1037	1039	rBV	418220	341625	26.48%	1.776%
8	8.204	1039	1040	1045	rVB	34499	23316	1.81%	0.121%
9	9.263	1216	1220	1223	rBV	1020758	849870	65.88%	4.418%
10	9.651	1283	1286	1290	rVB	134918	100976	7.83%	0.525%
11	9.939	1328	1335	1338	rBV	440320	360976	27.98%	1.876%
12	9.974	1338	1341	1344	rVB	128516	99691	7.73%	0.518%
13	10.145	1366	1370	1374	rBV	47707	44249	3.43%	0.230%
14	10.486	1425	1428	1432	rBV	98698	75039	5.82%	0.390%
15	10.727	1464	1469	1473	rBV	552560	506270	39.24%	2.632%
16	10.845	1485	1489	1494	rBB2	24007	27025	2.09%	0.140%
17	11.033	1515	1521	1524	rBV5	17159	29218	2.26%	0.152%
18	11.227	1551	1554	1559	rVB	33847	30488	2.36%	0.158%
19	11.292	1559	1565	1568	rBV5	19122	29985	2.32%	0.156%
20	11.321	1568	1570	1573	rVB	47104	37882	2.94%	0.197%
21	11.427	1585	1588	1590	rBV	356470	309707	24.01%	1.610%
22	11.451	1590	1592	1595	rVV	864882	715235	55.44%	3.718%
23	11.504	1595	1601	1604	rVV	205901	191204	14.82%	0.994%
24	11.533	1604	1606	1609	rVB	35102	26826	2.08%	0.139%
25	11.651	1620	1626	1629	rBV2	99710	99237	7.69%	0.516%
26	11.927	1670	1673	1675	rBV	83785	68945	5.34%	0.358%
27	11.957	1675	1678	1682	rVV2	176471	174989	13.56%	0.910%
28	12.004	1682	1686	1689	rVV	54115	46937	3.64%	0.244%
29	12.045	1689	1693	1695	rVV2	146828	166683	12.92%	0.866%
30	12.063	1695	1696	1699	rVB	68318	41766	3.24%	0.217%
31	12.221	1721	1723	1725	rBV	74117	65926	5.11%	0.343%
32	12.245	1725	1727	1731	rVB	76724	61820	4.79%	0.321%
33	12.480	1763	1767	1770	rVV	61673	61212	4.74%	0.318%
34	12.521	1770	1774	1775	rVV4	36383	44563	3.45%	0.232%
35	12.563	1778	1781	1786	rVB4	46789	53600	4.15%	0.279%
36	12.645	1791	1795	1798	rBV	1331179	1228249	95.20%	6.385%

LSC Area Percent Report

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Acq On : 15 May 2021 17:20
Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05-COMP

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-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.698	1798	1804	1808	rVB5	27076	45012	3.49%	0.234%
38	12.768	1813	1816	1818	rBV3	22344	32535	2.52%	0.169%
39	12.792	1818	1820	1823	rVV	50054	44112	3.42%	0.229%
40	12.874	1827	1834	1839	rBV	1133282	1290113	100.00%	6.706%
41	12.921	1839	1842	1846	rVB2	52894	66390	5.15%	0.345%
42	12.986	1850	1853	1855	rBV	68316	70136	5.44%	0.365%
43	13.015	1855	1858	1863	rVB	747580	717301	55.60%	3.729%
44	13.092	1865	1871	1873	rBV4	76430	126857	9.83%	0.659%
45	13.115	1873	1875	1878	rVB	33983	28499	2.21%	0.148%
46	13.174	1882	1885	1887	rVV2	67596	88304	6.84%	0.459%
47	13.198	1887	1889	1892	rVB2	162720	132591	10.28%	0.689%
48	13.262	1897	1900	1903	rBV	113997	98586	7.64%	0.512%
49	13.304	1903	1907	1909	rBV2	122526	127154	9.86%	0.661%
50	13.327	1909	1911	1914	rVB4	40664	40987	3.18%	0.213%
51	13.362	1914	1917	1920	rBV4	26084	34134	2.65%	0.177%
52	13.392	1920	1922	1925	rVB	59692	53589	4.15%	0.279%
53	13.421	1925	1927	1931	rBV	65602	76711	5.95%	0.399%
54	13.498	1937	1940	1943	rVB5	23200	23853	1.85%	0.124%
55	13.598	1954	1957	1959	rVV4	33406	48180	3.73%	0.250%
56	13.621	1959	1961	1964	rVB2	28402	31790	2.46%	0.165%
57	13.704	1972	1975	1980	rVB	99857	119630	9.27%	0.622%
58	13.815	1990	1994	1997	rBV2	118836	153735	11.92%	0.799%
59	13.845	1997	1999	2001	rVV	111435	108937	8.44%	0.566%
60	13.868	2001	2003	2007	rVV2	112266	161643	12.53%	0.840%
61	13.909	2007	2010	2017	rVB2	246401	264753	20.52%	1.376%
62	13.986	2018	2023	2030	rBV2	41975	79123	6.13%	0.411%
63	14.068	2030	2037	2040	rBV3	849672	1225607	95.00%	6.371%
64	14.098	2040	2042	2047	rVB	639666	643531	49.88%	3.345%
65	14.180	2053	2056	2059	rVV	90184	83202	6.45%	0.433%
66	14.209	2059	2061	2063	rVV3	27395	23795	1.84%	0.124%
67	14.257	2066	2069	2071	rVB2	67271	66656	5.17%	0.346%
68	14.292	2071	2075	2078	rBV2	86903	108000	8.37%	0.561%
69	14.327	2079	2081	2083	rVB2	37089	26448	2.05%	0.137%
70	14.386	2088	2091	2094	rBV4	23179	33320	2.58%	0.173%
71	14.421	2094	2097	2099	rVV2	45366	48915	3.79%	0.254%
72	14.457	2100	2103	2106	rVV	141915	144649	11.21%	0.752%
73	14.492	2106	2109	2113	rVV	92089	97523	7.56%	0.507%
74	14.551	2113	2119	2121	rVV2	96452	139851	10.84%	0.727%
75	14.580	2121	2124	2126	rVV3	84234	85719	6.64%	0.446%
76	14.604	2126	2128	2132	rVV4	92405	87192	6.76%	0.453%

LSC Area Percent Report

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Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05-COMP

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-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.656	2132	2137	2143	rVB4	55440	103465	8.02%	0.538%
78	14.709	2143	2146	2149	rBV3	26466	26143	2.03%	0.136%
79	14.762	2153	2155	2159	rBV5	55411	73799	5.72%	0.384%
80	14.804	2159	2162	2166	rVB6	27661	38146	2.96%	0.198%
81	14.962	2187	2189	2192	rVB3	38829	31884	2.47%	0.166%
82	15.068	2206	2207	2212	rVB5	31446	28424	2.20%	0.148%
83	15.133	2212	2218	2221	rBV	480752	841237	65.21%	4.373%
84	15.204	2228	2230	2233	rBV3	22848	26413	2.05%	0.137%
85	15.233	2233	2235	2239	rVB	99057	106349	8.24%	0.553%
86	15.327	2247	2251	2252	rBV4	35758	43881	3.40%	0.228%
87	15.439	2265	2270	2276	rVB	270675	378913	29.37%	1.970%
88	15.503	2276	2281	2287	rBV	396986	510390	39.56%	2.653%
89	15.562	2287	2291	2294	rVV	172406	237777	18.43%	1.236%
90	15.598	2294	2297	2304	rVB	151295	202245	15.68%	1.051%
91	16.062	2372	2376	2380	rVB7	21066	33999	2.64%	0.177%
92	16.103	2380	2383	2386	rBV5	27529	39498	3.06%	0.205%
93	16.621	2468	2471	2475	rVB5	19060	22394	1.74%	0.116%
94	16.874	2511	2514	2515	rBV3	19886	20952	1.62%	0.109%
95	17.068	2540	2547	2554	rVB2	155493	313487	24.30%	1.630%
96	17.245	2572	2577	2583	rBV3	25547	58175	4.51%	0.302%
97	17.303	2583	2587	2592	rVV4	22787	45148	3.50%	0.235%
98	17.521	2615	2624	2628	rBV	115061	221399	17.16%	1.151%
99	17.750	2658	2663	2669	rBV2	30107	65310	5.06%	0.339%
100	18.809	2839	2843	2848	rBV7	14178	27491	2.13%	0.143%

Sum of corrected areas: 19237136

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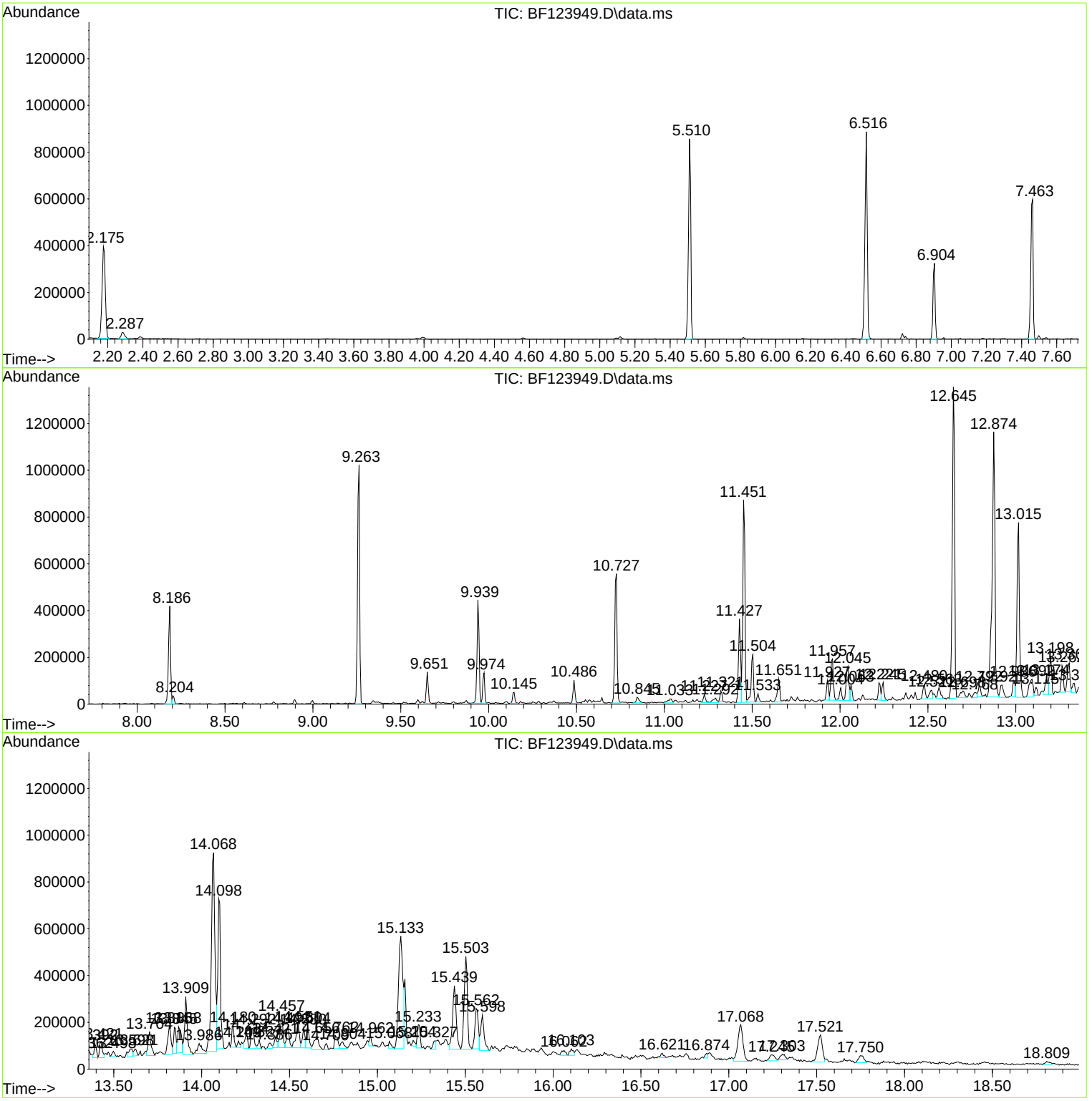
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.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\BF051521\
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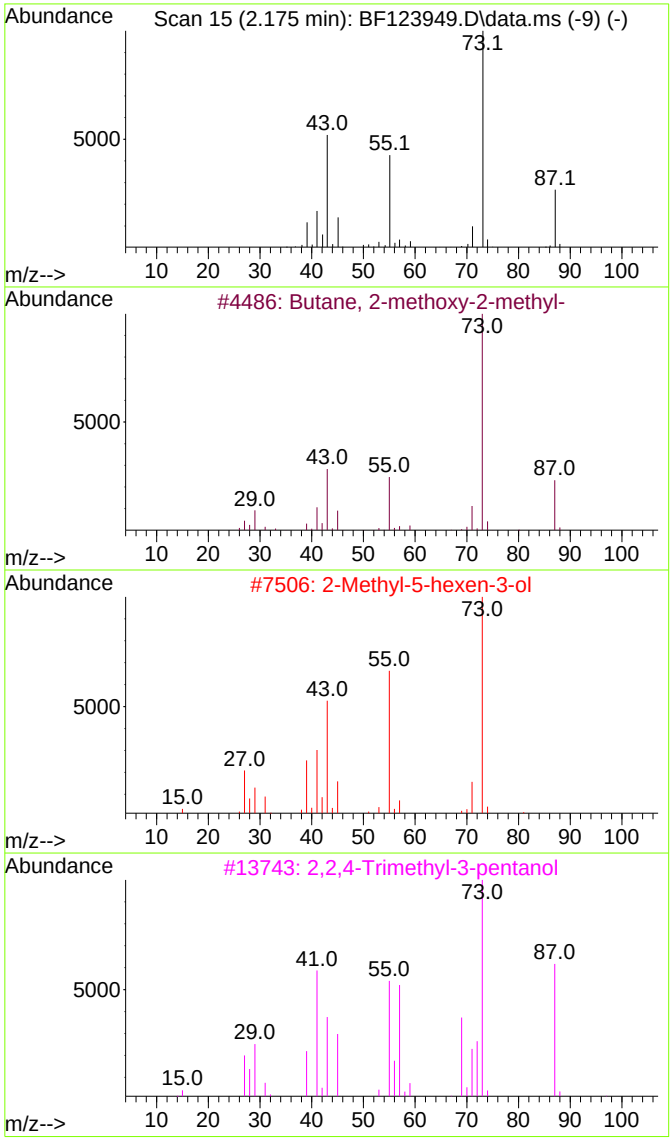
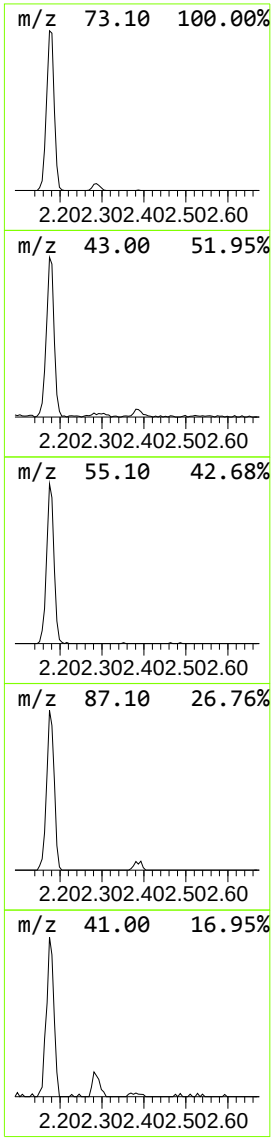
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.175	36.95 ng	499855	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	38
5	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
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Instrument :
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SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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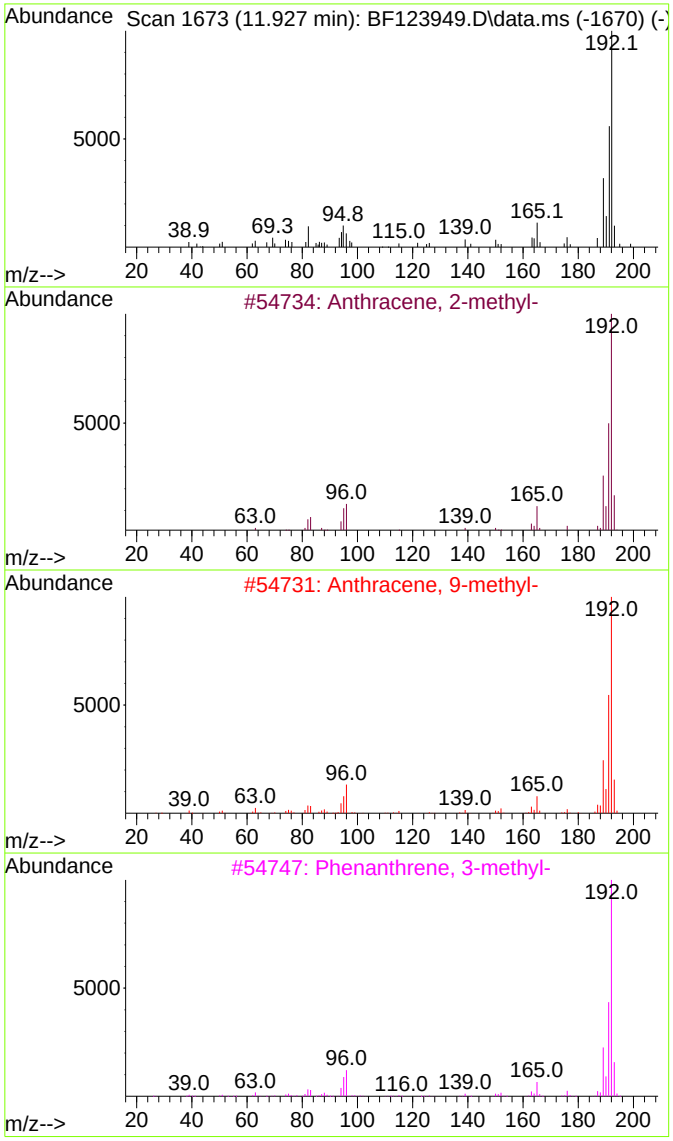
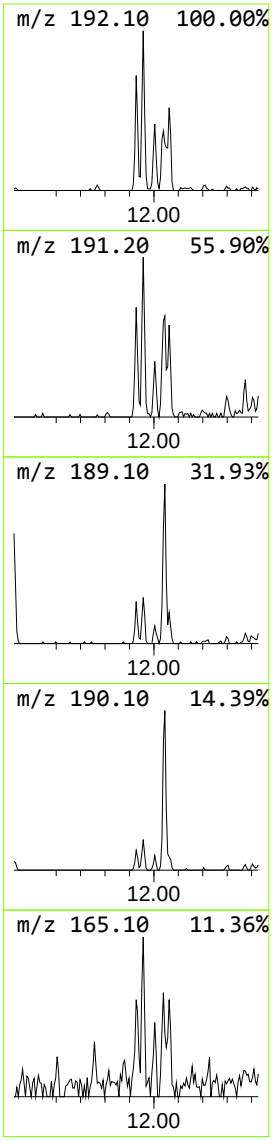
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	4.45 ng	68945	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





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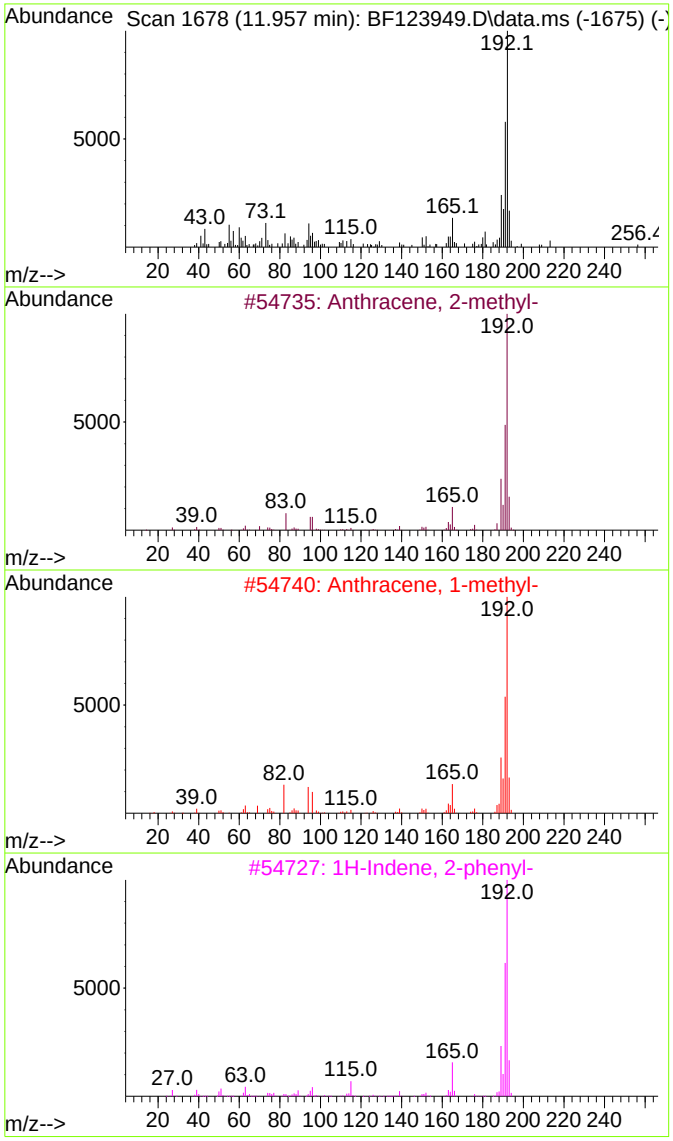
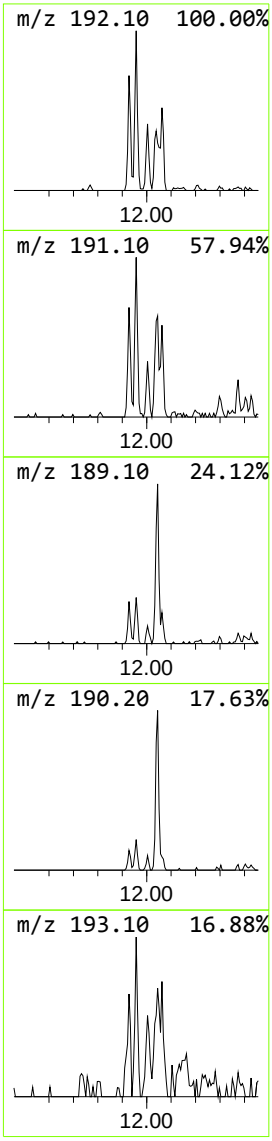
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	11.30 ng	174989	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
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Sample : M2392-14
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

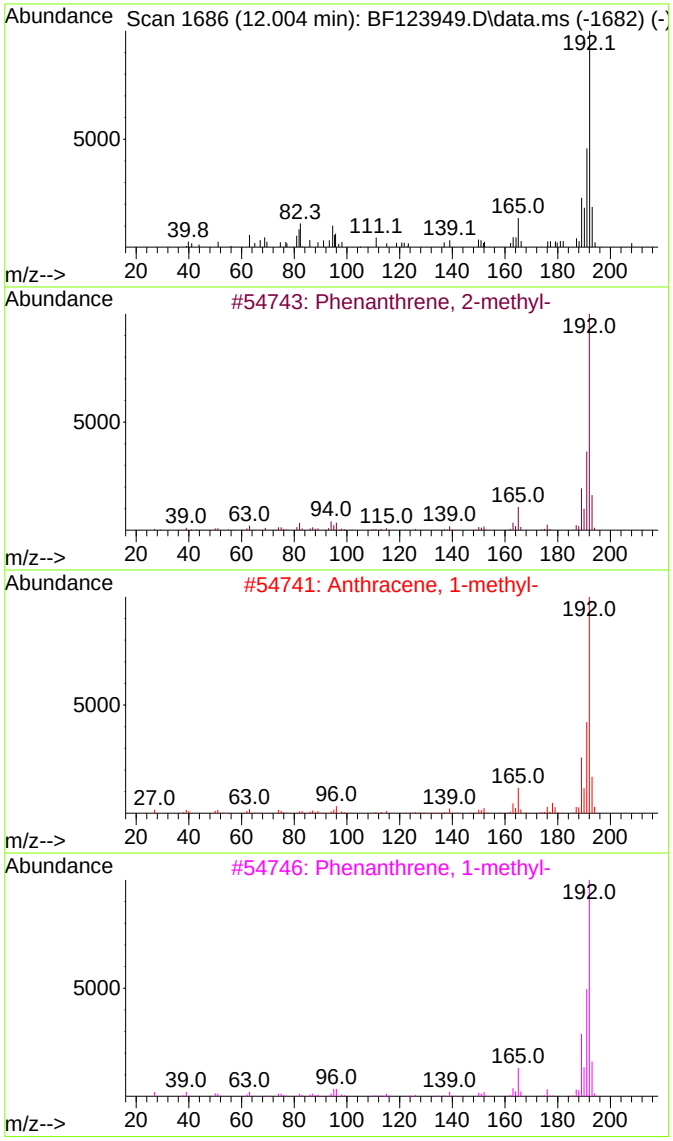
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

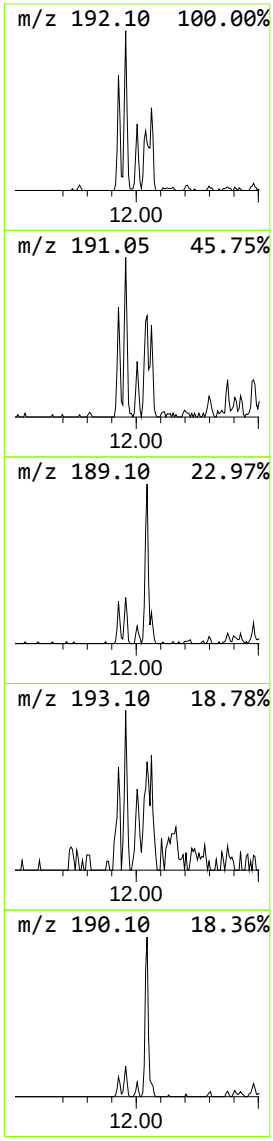
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	3.03 ng	46937	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123949.D
Acq On : 15 May 2021 17:20
Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

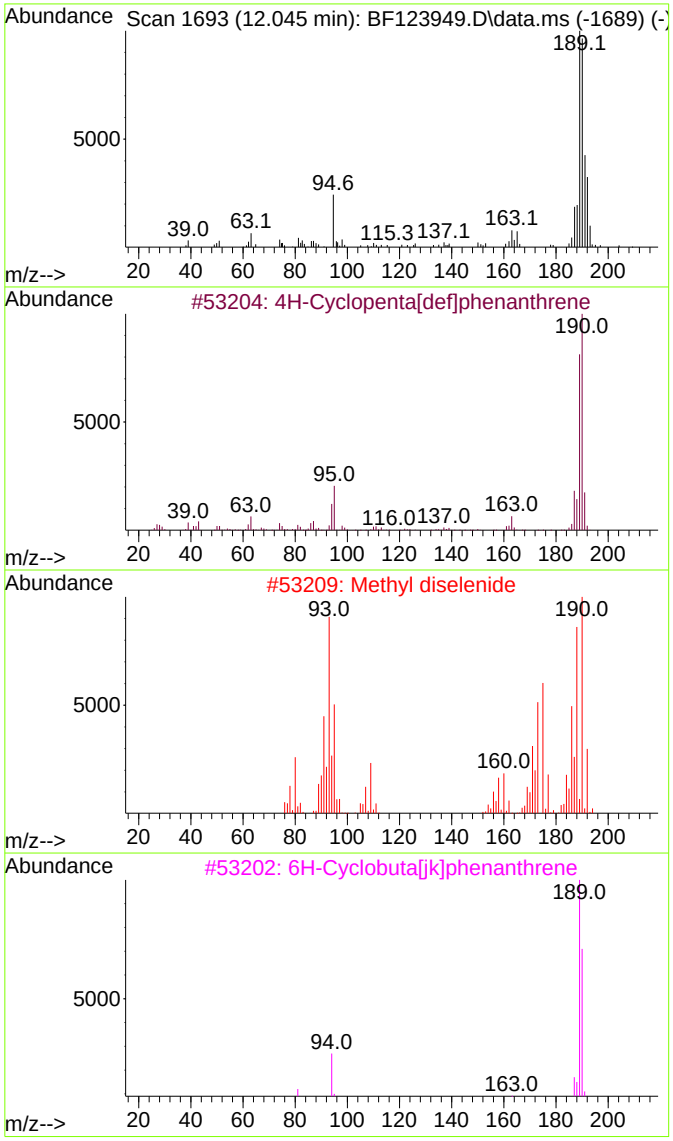
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

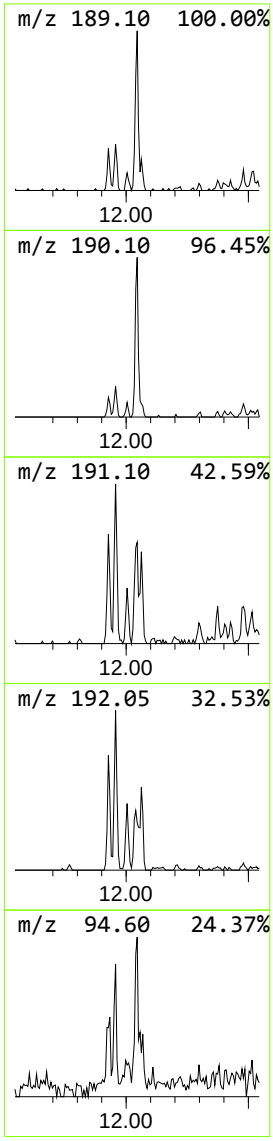
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	10.76 ng	166683	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27





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Operator : JU/CG
Sample : M2392-14
Misc :
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ClientSampleId :
SB-05-COMP

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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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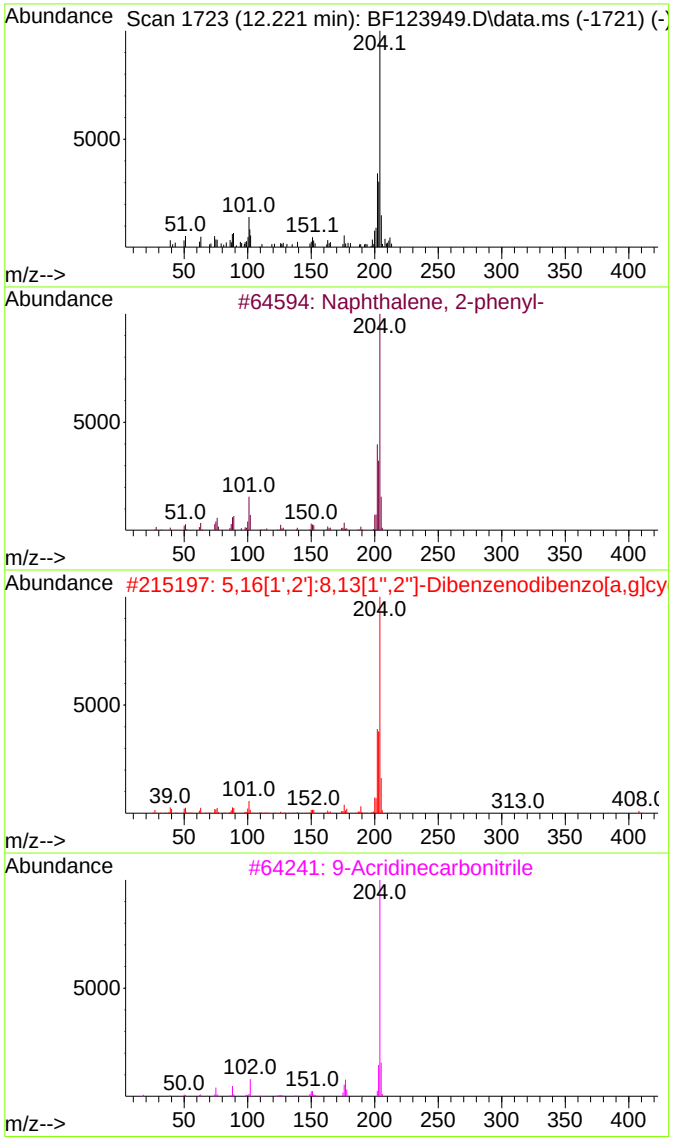
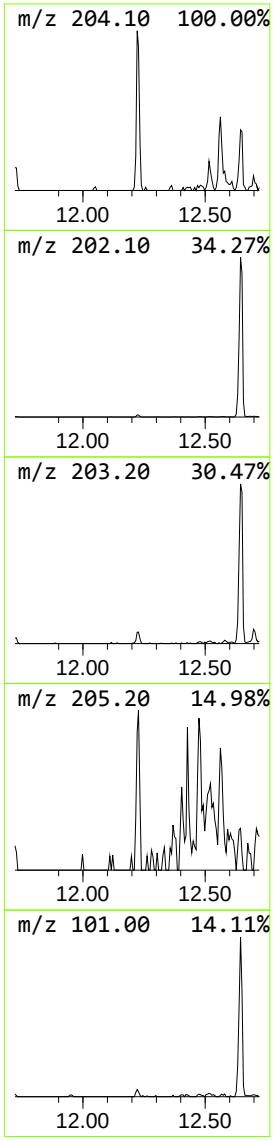
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.221	4.26 ng	65926	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	64
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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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

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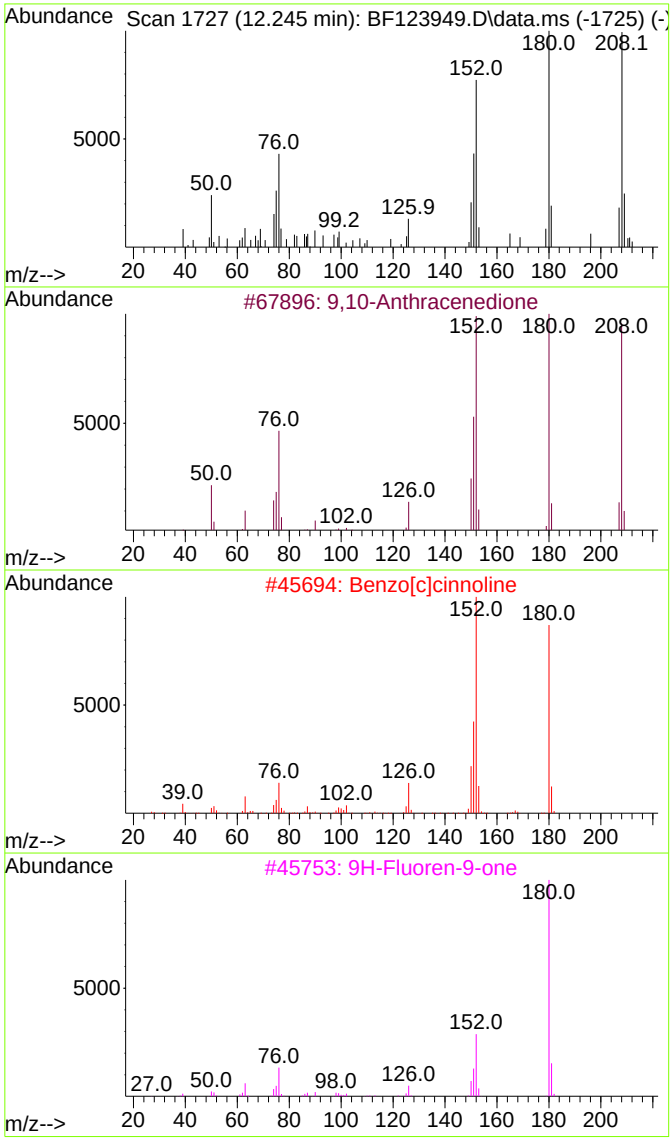
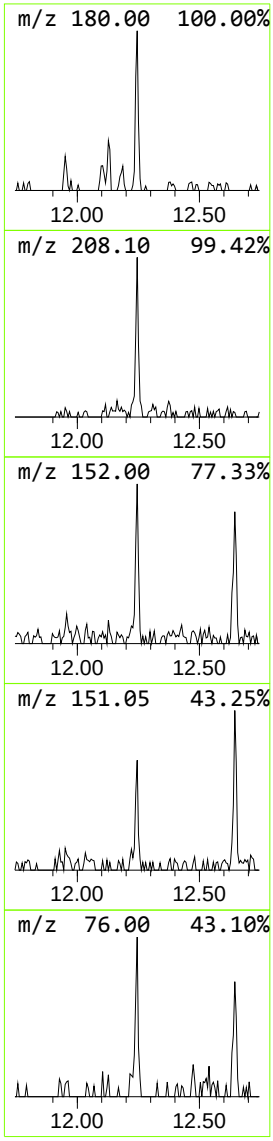
Peak Number 7 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	3.99 ng	61820	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	47
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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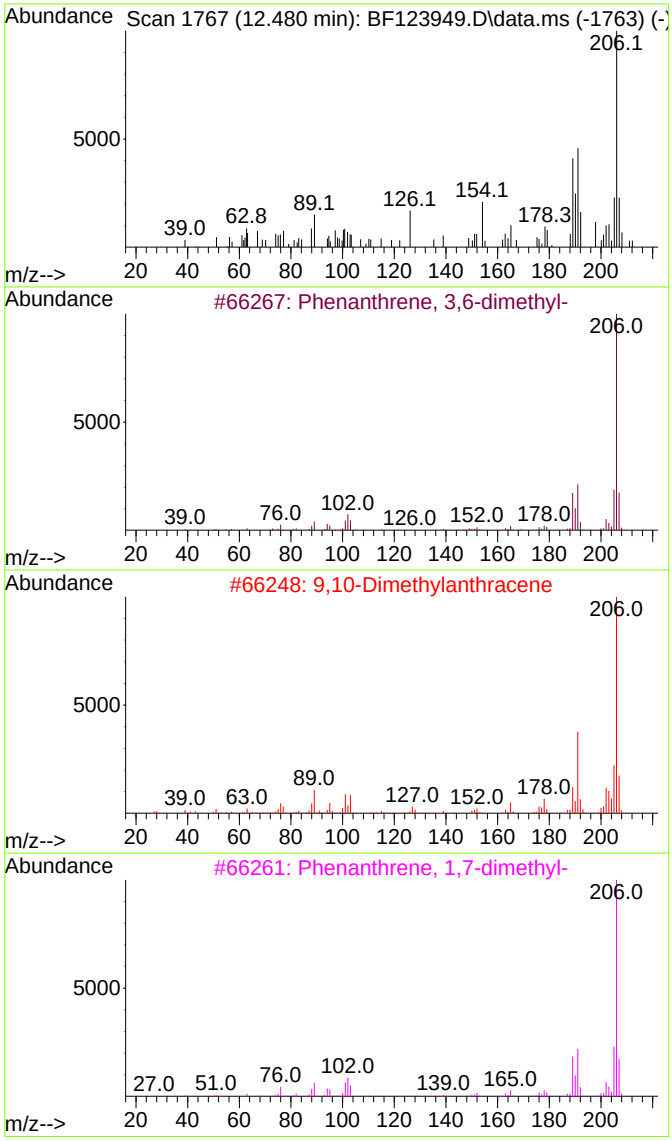
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

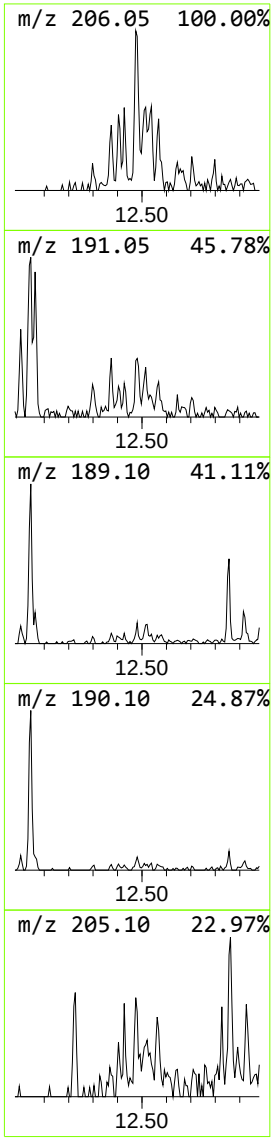
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	3.95 ng	61212	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70





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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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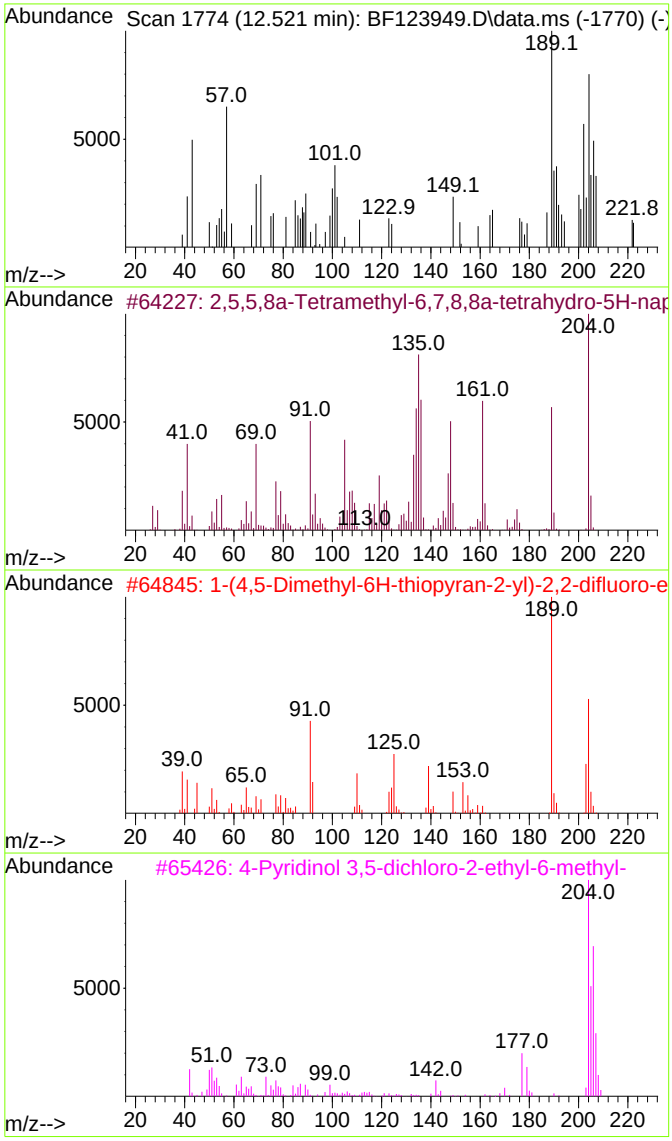
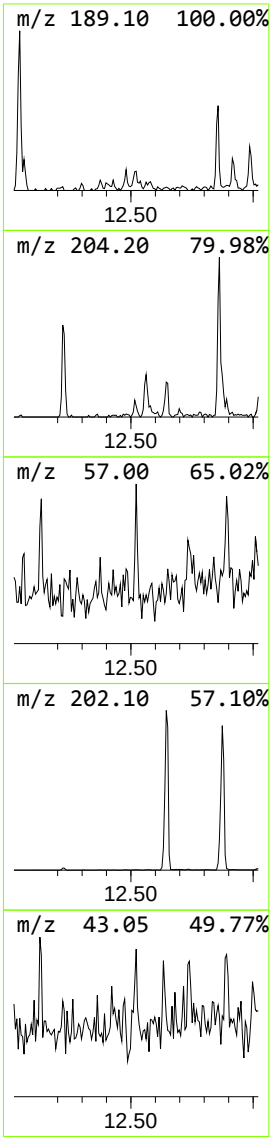
Peak Number 9 unknown12.521 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.521	2.88 ng	44563	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	35
2	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	32
3	4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	30
4	5-Amino-6,8-dimethoxyquinoline	204	C11H12N2O2	1000213-95-2	16
5	N-[Tris(methyloxymethyl)methyl]-...	249	C11H23NO5	1000378-71-0	14





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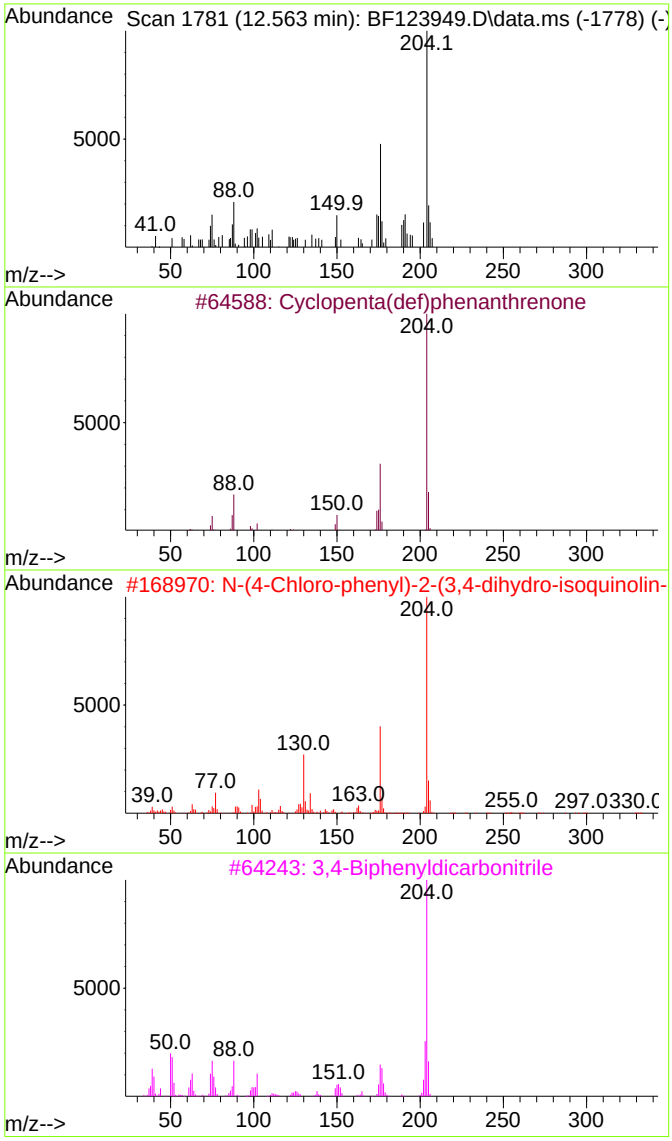
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

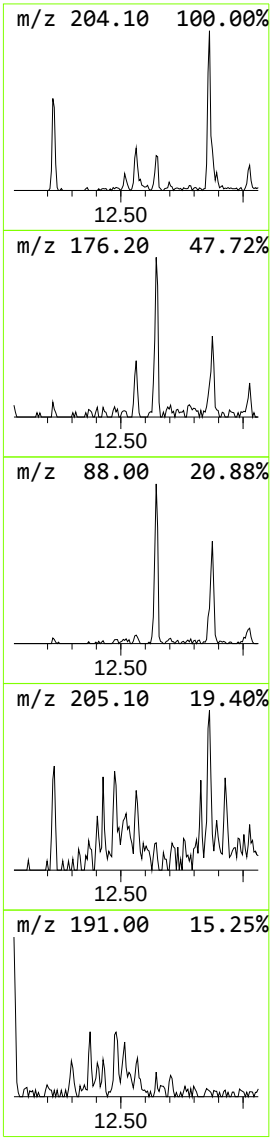
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	3.46 ng	53600	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
5	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	42





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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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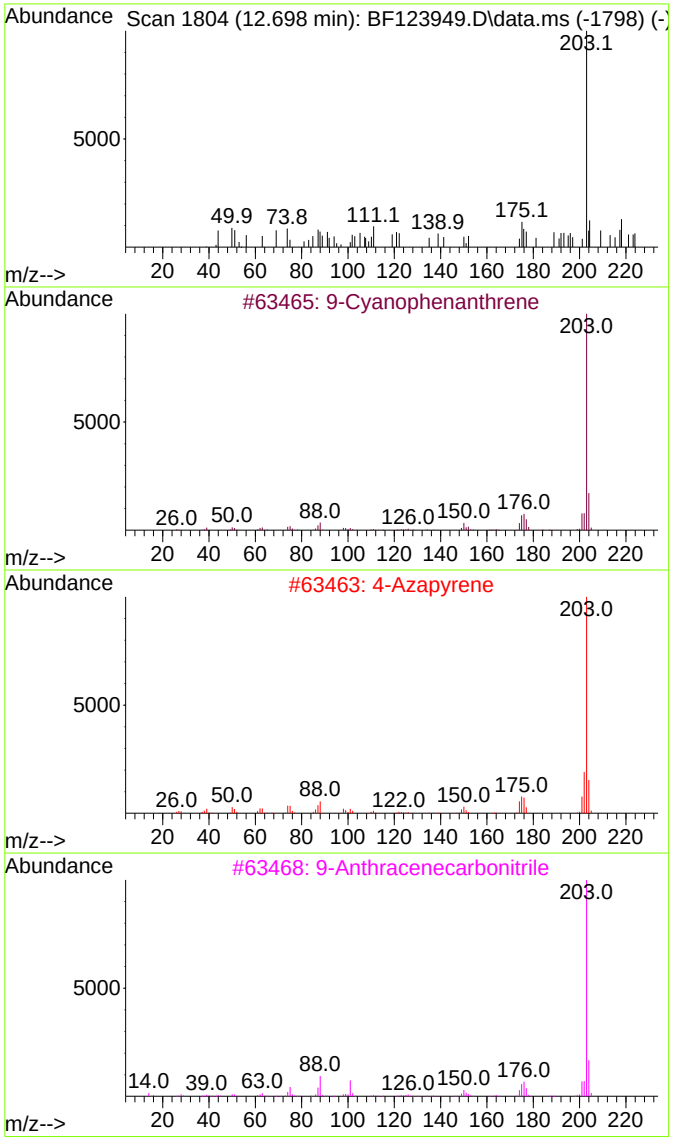
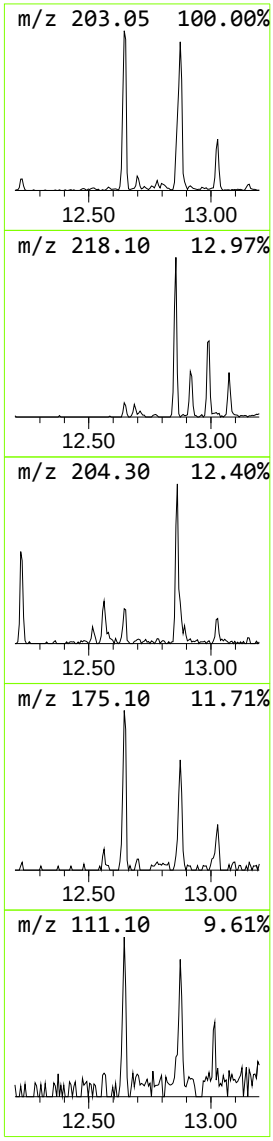
Peak Number 11 9-Cyanophenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.698	2.91 ng	45012	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Cyanophenanthrene	203	C15H9N	002510-55-6	64
2	4-Azapyrene	203	C15H9N	000194-03-6	58
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	52
4	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	52
5	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	52





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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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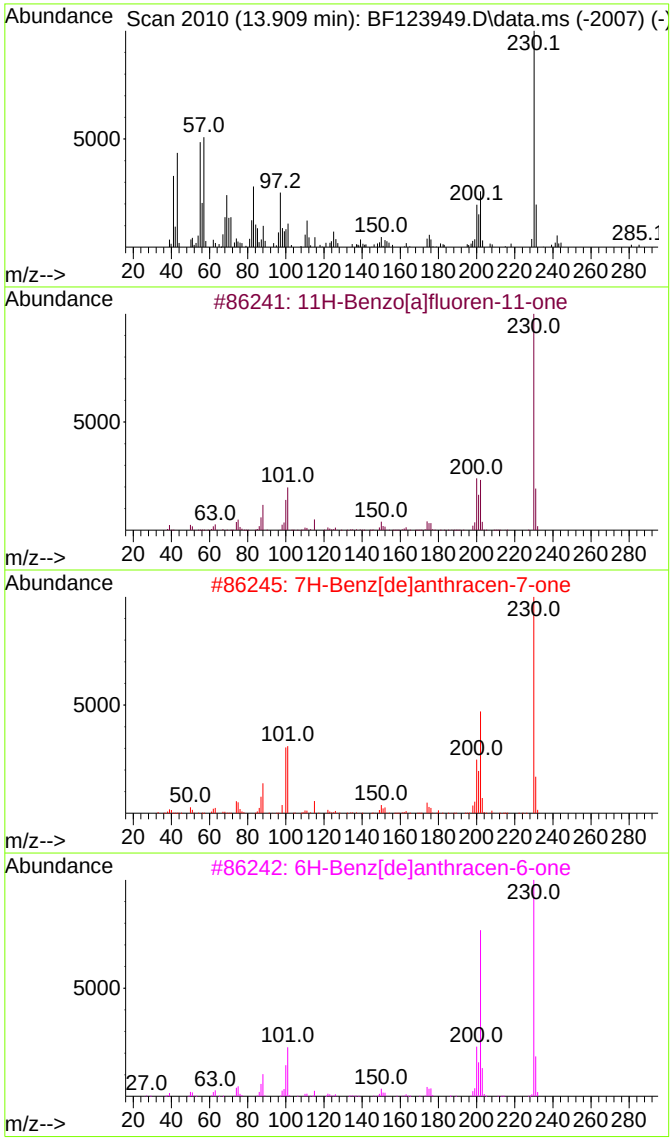
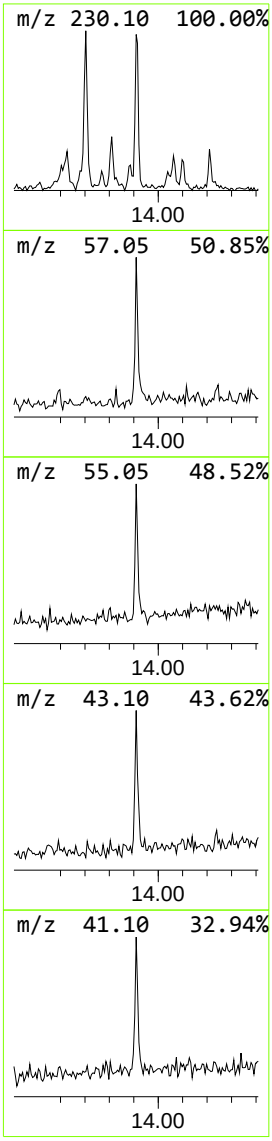
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	4.32 ng	264753	Chrysene-d12	14.074

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	52
4	9H-Furo[2,3-f][1]benzopyran-9-on...	230	C13H10O4	017226-76-5	38
5	p-Terphenyl	230	C18H14	000092-94-4	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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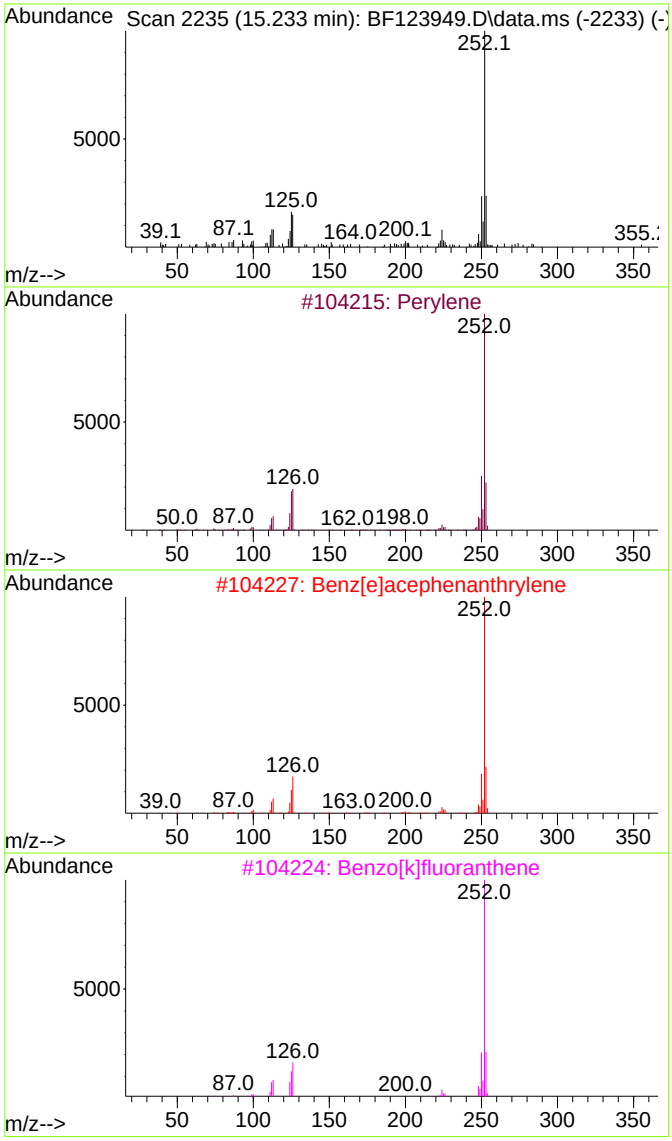
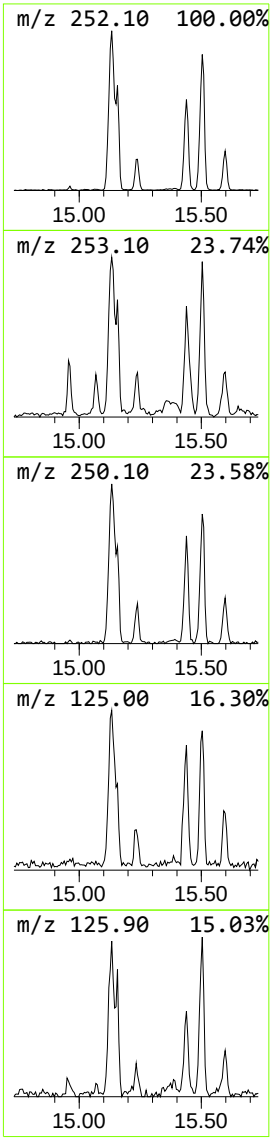
Peak Number 13 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	8.95 ng	106349	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[e]pyrene	252	C20H12	000192-97-2	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	76





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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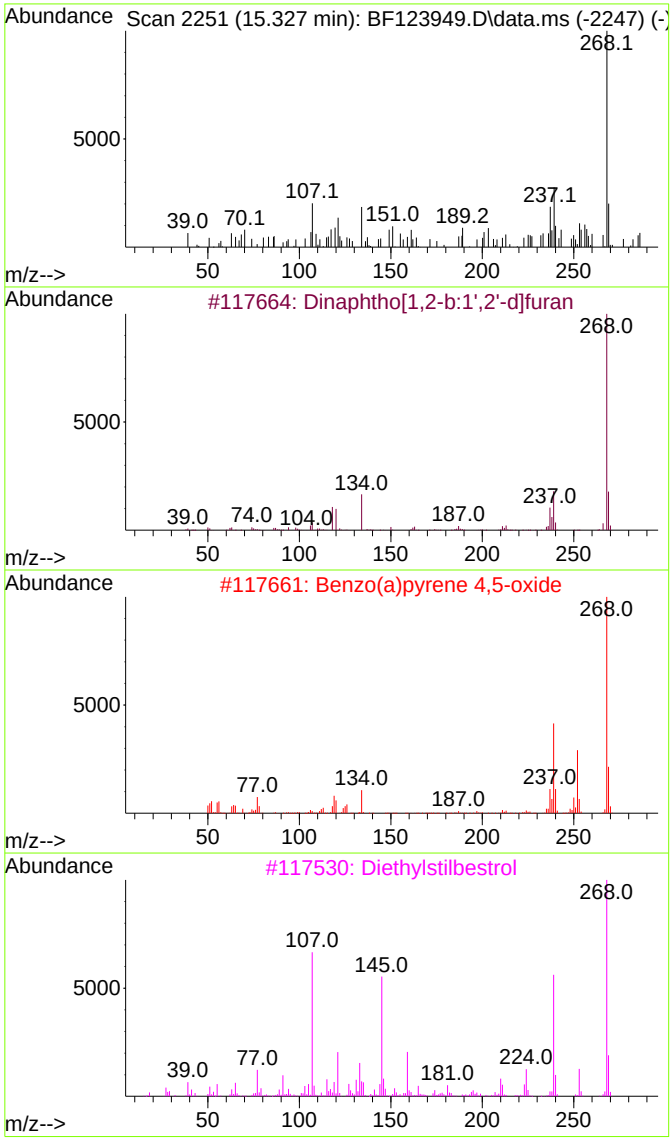
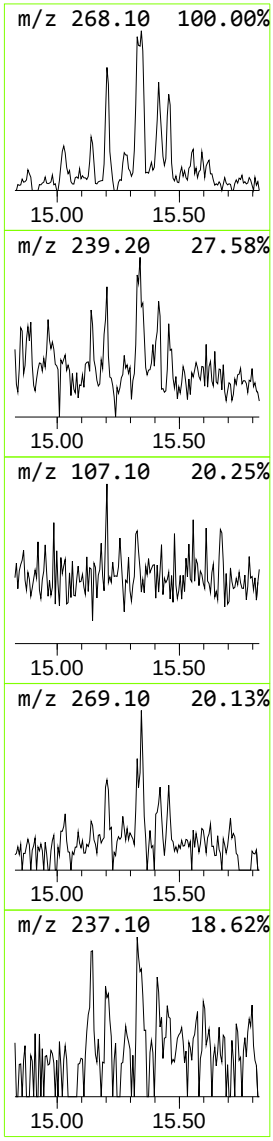
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.327	3.69 ng	43881	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	76
3	Diethylstilbestrol	268	C18H20O2	000056-53-1	72
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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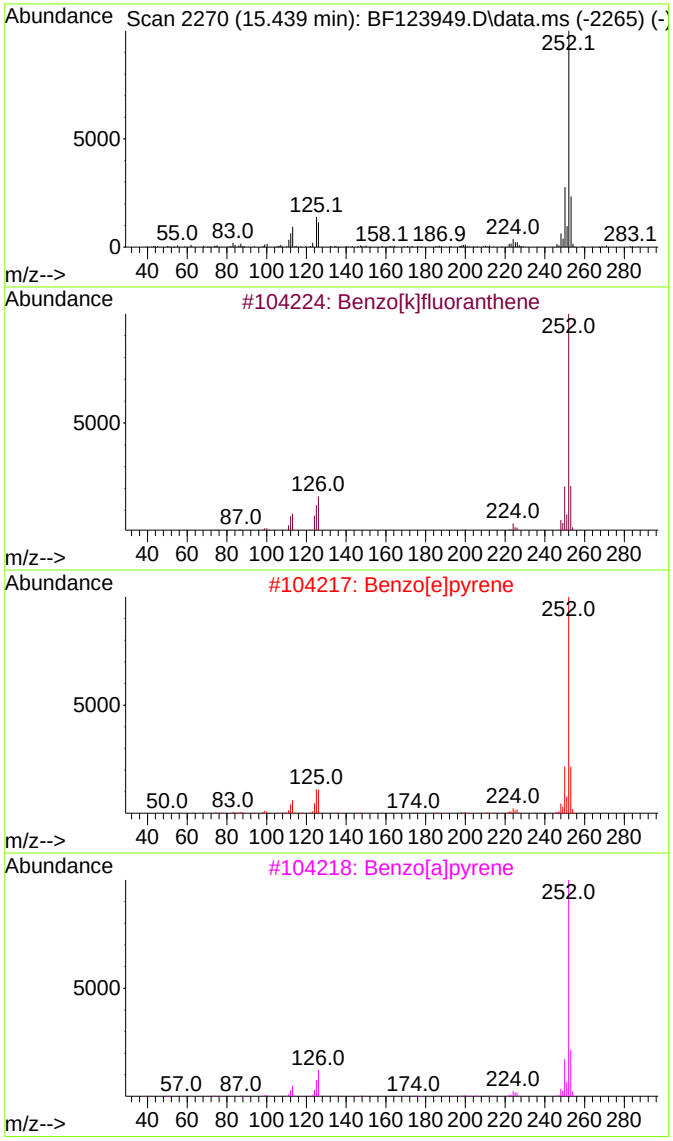
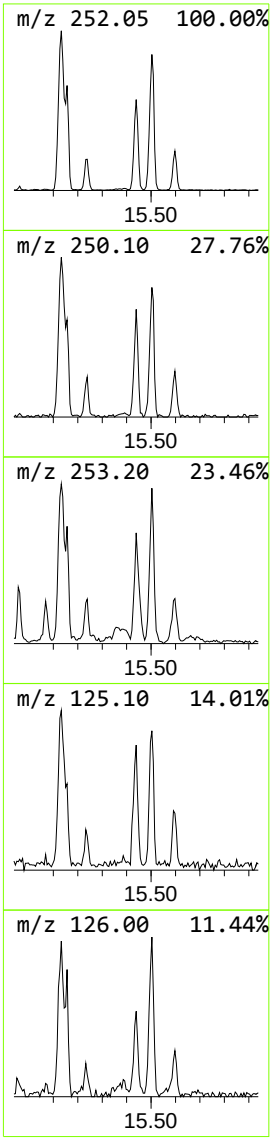
Peak Number 15 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.439	31.87 ng	378913	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	89





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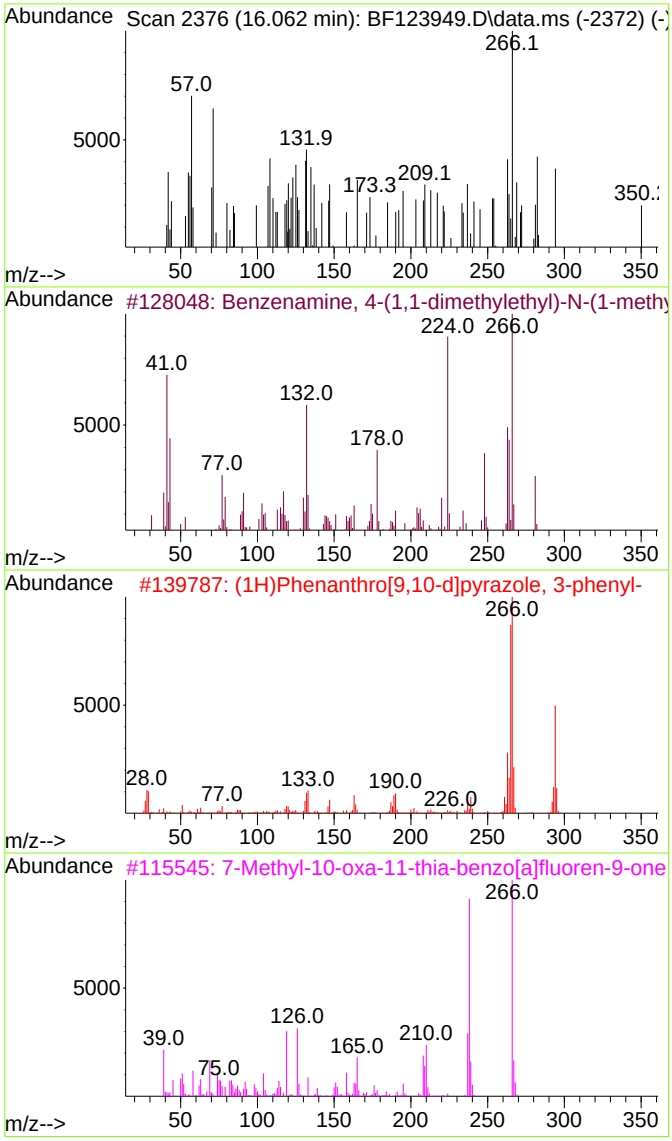
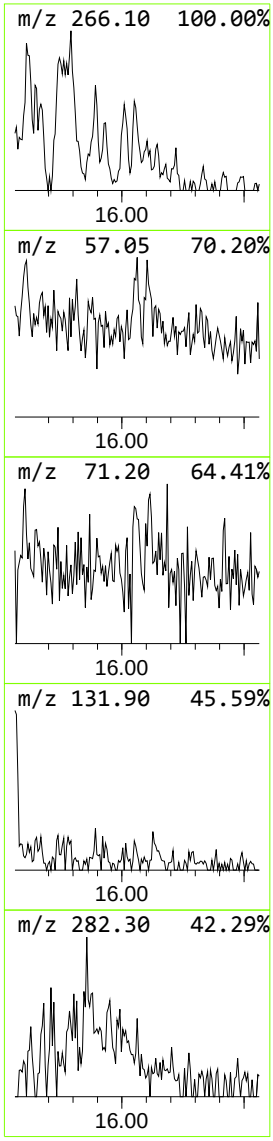
Peak Number 16 unknown16.062 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.062	2.86 ng	33999	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4-(1,1-dimethylethy...	281	C13H19N3O4	033629-45-7	27
2	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	25
3	7-Methyl-10-oxa-11-thia-benzo[a]...	266	C16H10O2S	1000300-04-7	18
4	1,2,3-Benzotriazin-4(3H)-one, 3-...	266	C15H14N4O	055649-81-5	14
5	6-Nitro-2-phenyl-4-quinolinol	266	C15H10N2O3	056983-10-9	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123949.D
Acq On : 15 May 2021 17:20
Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.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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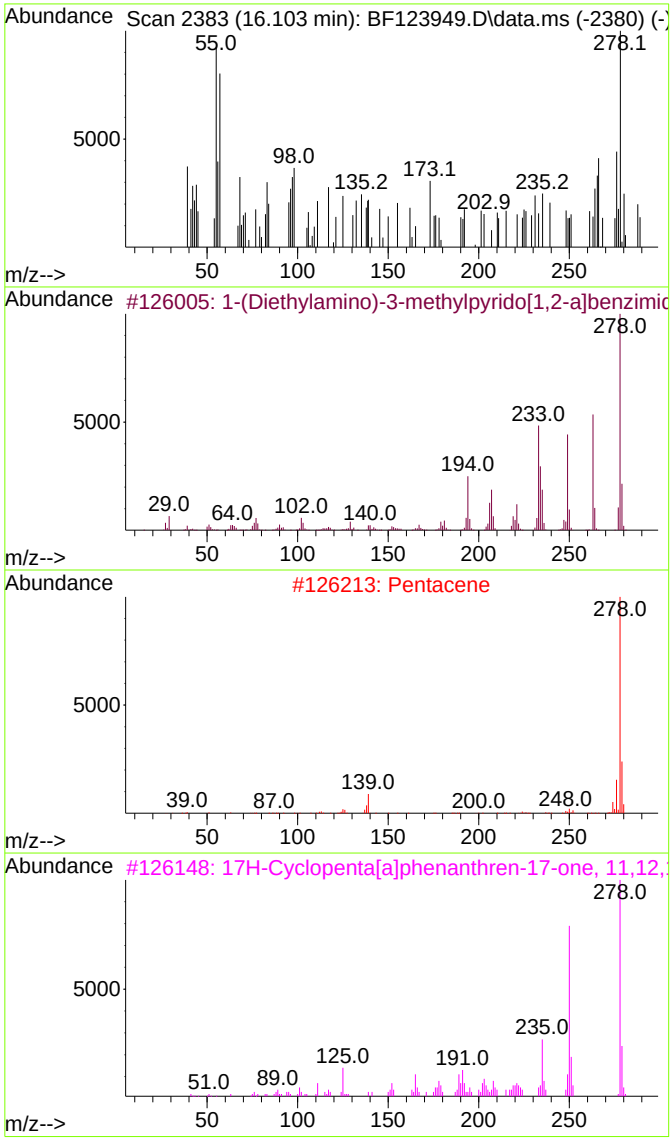
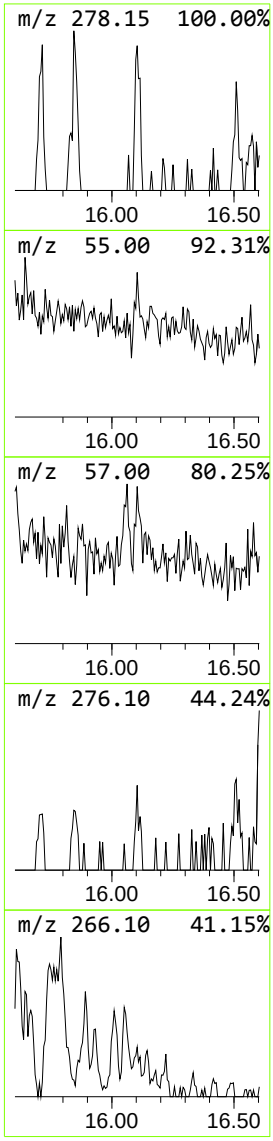
Peak Number 17 unknown16.104 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.104	3.32 ng	39498	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Diethylamino)-3-methylpyrido[...	278	C17H18N4	1000331-84-4	22
2	Pentacene	278	C22H14	000135-48-8	16
3	17H-Cyclopenta[a]phenanthren-17-...	278	C19H18O2	056614-59-6	14
4	2-Cinnamylidene-6-methoxycoumara...	278	C18H14O3	077765-15-2	14
5	8H-Pyrazolo[5,1-a]isoindol-8-one...	278	C17H14N2O2	021138-13-6	14





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Data File : BF123949.D
Acq On : 15 May 2021 17:20
Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.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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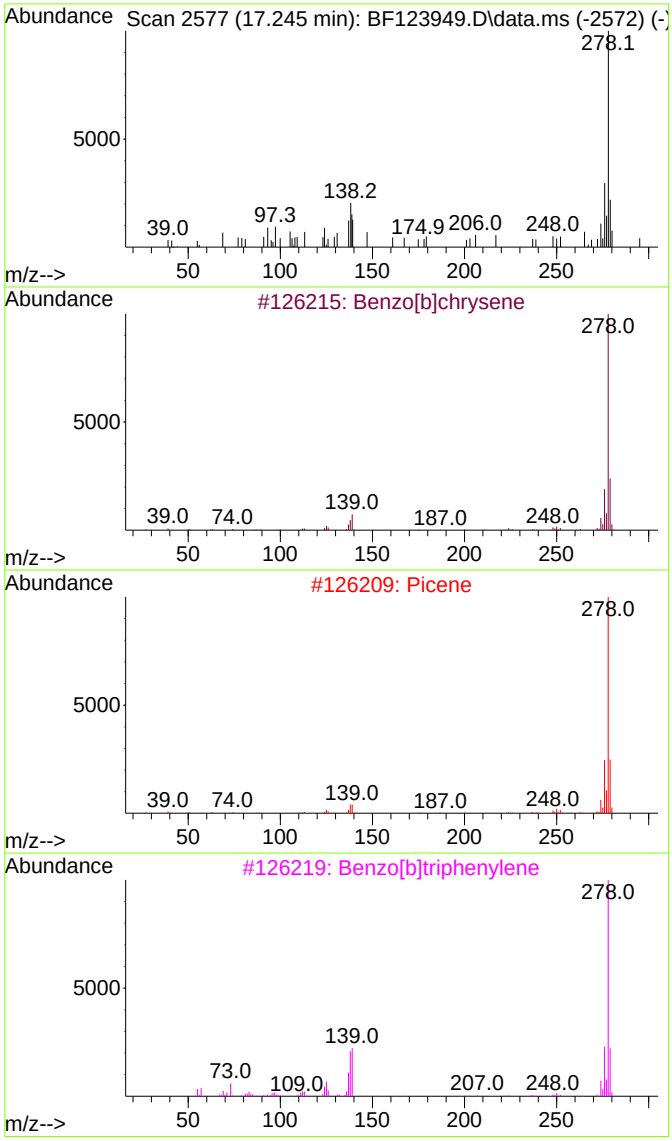
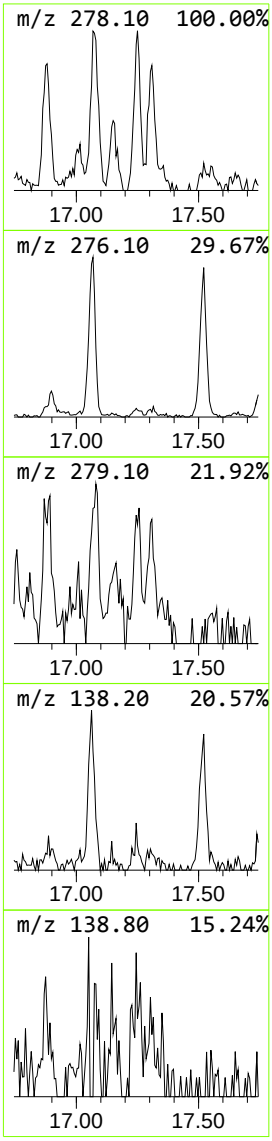
Peak Number 18 Benzo[b]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.245	4.89 ng	58175	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	81
2	Picene	278	C22H14	000213-46-7	81
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	81
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	74





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Data File : BF123949.D
Acq On : 15 May 2021 17:20
Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.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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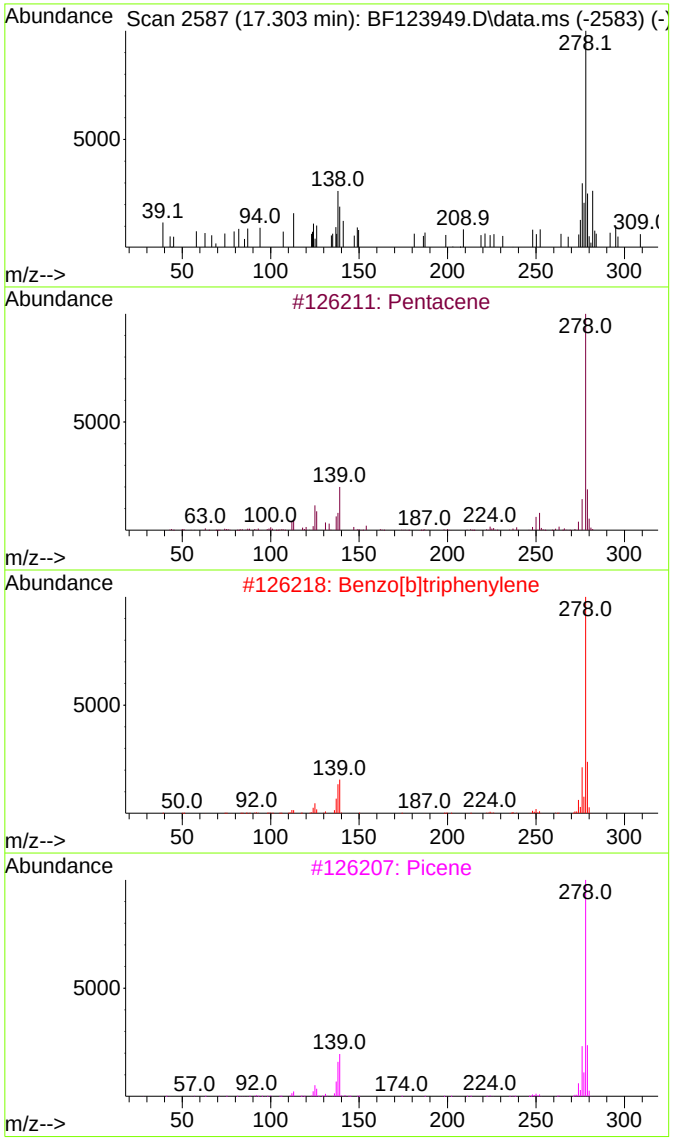
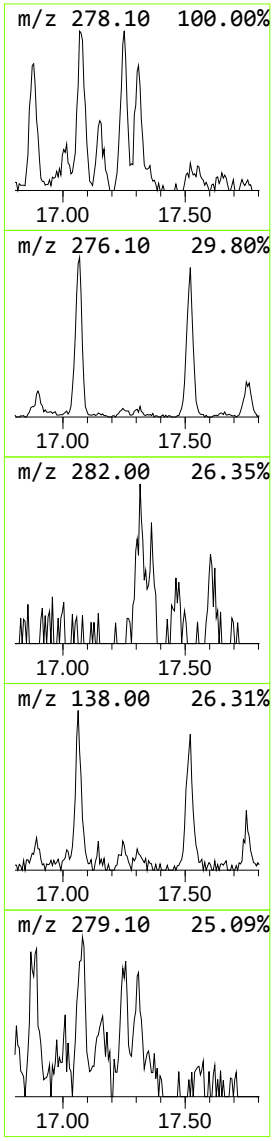
Peak Number 19 unknown17.303 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.303	3.80 ng	45148	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	49
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	47
3	Picene	278	C22H14	000213-46-7	47
4	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	46
5	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	46





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Data File : BF123949.D
Acq On : 15 May 2021 17:20
Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.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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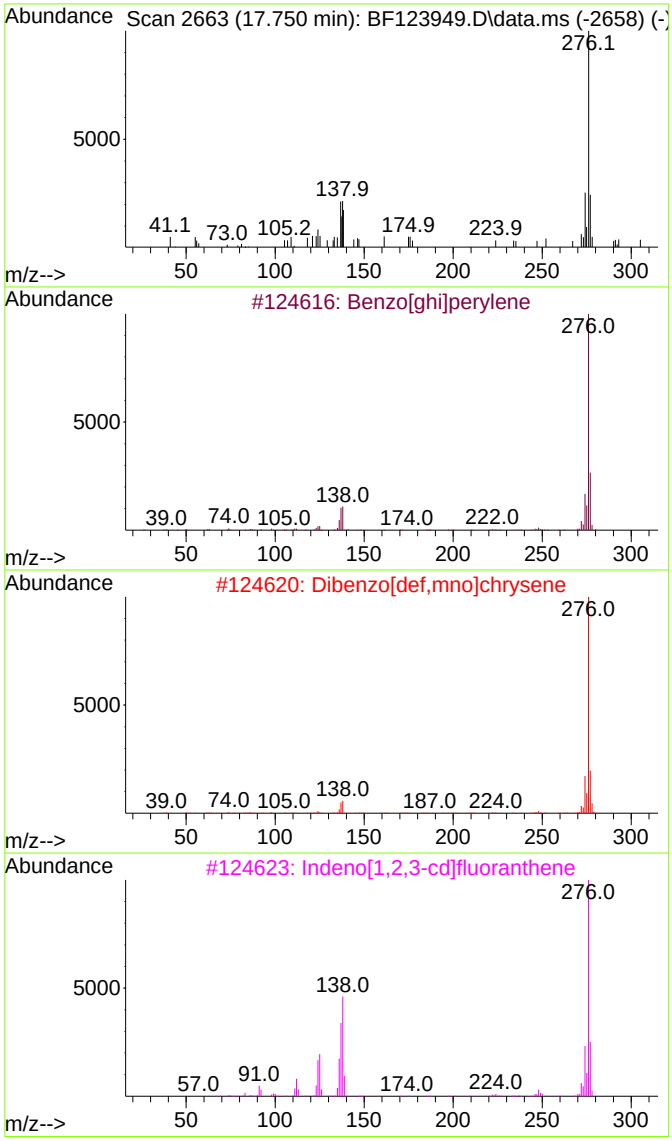
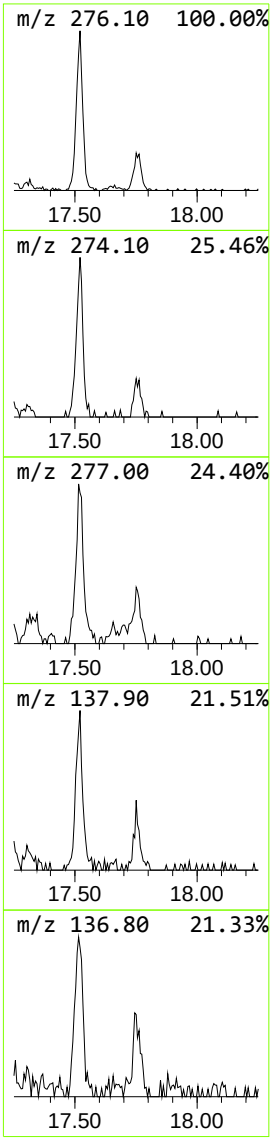
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.750	5.49 ng	65310	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
5	7H-Furo[3,2-g][1]benzopyran-7-on...	276	C14H12O6	018646-72-5	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123949.D
Acq On : 15 May 2021 17:20
Operator : JU/CG
Sample : M2392-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.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...	2.175	37.0	ng	499855	1	6.904	270527	20.0
Anthracene, 2-m...	11.927	4.5	ng	68945	4	11.427	309707	20.0
Anthracene, 1-m...	11.957	11.3	ng	174989	4	11.427	309707	20.0
Phenanthrene, 2...	12.004	3.0	ng	46937	4	11.427	309707	20.0
4H-Cyclopenta[d...	12.045	10.8	ng	166683	4	11.427	309707	20.0
Naphthalene, 2-...	12.221	4.3	ng	65926	4	11.427	309707	20.0
9,10-Anthracene...	12.245	4.0	ng	61820	4	11.427	309707	20.0
Phenanthrene, 3...	12.480	4.0	ng	61212	4	11.427	309707	20.0
unknown12.521	12.521	2.9	ng	44563	4	11.427	309707	20.0
Cyclopenta(def)...	12.563	3.5	ng	53600	4	11.427	309707	20.0
9-Cyanophenanth...	12.698	2.9	ng	45012	4	11.427	309707	20.0
11H-Benzo[a]flu...	13.910	4.3	ng	264753	5	14.074	1225610	20.0
Perylene	15.233	8.9	ng	106349	6	15.568	237777	20.0
Dinaphtho[1,2-b...	15.327	3.7	ng	43881	6	15.568	237777	20.0
Benzo[e]pyrene	15.439	31.9	ng	378913	6	15.568	237777	20.0
unknown16.062	16.062	2.9	ng	33999	6	15.568	237777	20.0
unknown16.104	16.104	3.3	ng	39498	6	15.568	237777	20.0
Benzo[b]chrysene	17.245	4.9	ng	58175	6	15.568	237777	20.0
unknown17.303	17.303	3.8	ng	45148	6	15.568	237777	20.0
Dibenzo[def,mno...	17.750	5.5	ng	65310	6	15.568	237777	20.0