

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133875.D
 Acq On : 21 Jun 2023 17:25
 Operator : CG\JU
 Sample : 03296-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-01

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-BF060923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133875.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	6	11	17	rBV	517553	665388	18.43%	1.441%
2	2.269	25	31	39	rVB2	29268	46561	1.29%	0.101%
3	5.098	507	512	523	rBV	805246	1005469	27.85%	2.177%
4	5.498	575	580	583	rBV	2257113	2073208	57.43%	4.488%
5	5.881	641	645	651	rBV	57606	51356	1.42%	0.111%
6	6.139	686	689	693	rVB	165607	139201	3.86%	0.301%
7	6.498	745	750	753	rBV	2157308	2046622	56.70%	4.431%
8	6.857	808	811	815	rBV	738128	649611	18.00%	1.406%
9	6.934	821	824	828	rVB	175666	133573	3.70%	0.289%
10	7.422	903	907	910	rBV	1591619	1319254	36.55%	2.856%
11	8.139	1025	1029	1031	rBV	955418	751016	20.80%	1.626%
12	8.157	1031	1032	1037	rVB	143216	105725	2.93%	0.229%
13	8.851	1147	1150	1153	rBV	59262	45873	1.27%	0.099%
14	9.216	1208	1212	1215	rBV	2802448	2195936	60.83%	4.754%
15	9.898	1324	1328	1331	rBV	785187	665199	18.43%	1.440%
16	9.927	1331	1333	1337	rVB	409505	302611	8.38%	0.655%
17	10.098	1357	1362	1366	rBV	118978	119200	3.30%	0.258%
18	10.445	1417	1421	1427	rBV	243613	206039	5.71%	0.446%
19	10.610	1446	1449	1452	rVB2	135839	131153	3.63%	0.284%
20	10.686	1458	1462	1466	rBV	1264039	1138478	31.54%	2.465%
21	10.816	1479	1484	1490	rVB4	55533	69141	1.92%	0.150%
22	10.998	1508	1515	1517	rBV3	47867	67929	1.88%	0.147%
23	11.192	1545	1548	1552	rVB	79785	67234	1.86%	0.146%
24	11.251	1552	1558	1561	rVV3	41351	67222	1.86%	0.146%
25	11.286	1561	1564	1569	rVB	114469	104752	2.90%	0.227%
26	11.392	1578	1582	1584	rBV	656935	683712	18.94%	1.480%
27	11.416	1584	1586	1590	rVV	2035993	1704462	47.22%	3.690%
28	11.469	1590	1595	1598	rVV	635527	560115	15.52%	1.213%
29	11.498	1598	1600	1603	rVB2	50066	48738	1.35%	0.106%
30	11.621	1615	1621	1629	rBV2	238155	277703	7.69%	0.601%
31	11.686	1629	1632	1636	rVV3	75779	66709	1.85%	0.144%
32	11.721	1636	1638	1642	rVB2	42794	43586	1.21%	0.094%
33	11.892	1662	1667	1670	rBV	209636	222817	6.17%	0.482%
34	11.921	1670	1672	1676	rVV	467092	411742	11.41%	0.891%
35	11.969	1676	1680	1683	rVV2	126548	134125	3.72%	0.290%
36	12.010	1683	1687	1689	rVV	484529	492024	13.63%	1.065%

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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-BF060923.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.027	1689	1690	1695	rVB	167369	115406	3.20%	0.250%
38	12.192	1715	1718	1720	rBV	196588	155153	4.30%	0.336%
39	12.216	1720	1722	1726	rVB	185294	156784	4.34%	0.339%
40	12.339	1741	1743	1746	rVB	54648	49838	1.38%	0.108%
41	12.374	1746	1749	1751	rBV	53732	46244	1.28%	0.100%
42	12.398	1751	1753	1756	rVB	61871	49453	1.37%	0.107%
43	12.445	1757	1761	1765	rBV2	113174	165334	4.58%	0.358%
44	12.486	1765	1768	1770	rVV	93019	89352	2.48%	0.193%
45	12.533	1773	1776	1781	rBV	133179	144079	3.99%	0.312%
46	12.621	1785	1791	1794	rBV	3197351	3269327	90.57%	7.078%
47	12.674	1798	1800	1803	rVB	67873	54164	1.50%	0.117%
48	12.710	1803	1806	1808	rBV2	80768	70698	1.96%	0.153%
49	12.763	1812	1815	1823	rVB2	123104	187388	5.19%	0.406%
50	12.851	1823	1830	1834	rBV2	2928535	3609838	100.00%	7.815%
51	12.892	1834	1837	1842	rVB2	131608	154125	4.27%	0.334%
52	12.963	1845	1849	1850	rBV	212214	195725	5.42%	0.424%
53	12.986	1850	1853	1860	rVB	2101494	2027337	56.16%	4.389%
54	13.063	1860	1866	1869	rBV2	178722	322955	8.95%	0.699%
55	13.098	1869	1872	1874	rVB	167582	141360	3.92%	0.306%
56	13.145	1877	1880	1882	rBV3	144729	177263	4.91%	0.384%
57	13.174	1882	1885	1888	rVB	506498	450796	12.49%	0.976%
58	13.204	1888	1890	1893	rBV2	42437	62149	1.72%	0.135%
59	13.239	1893	1896	1899	rVV	412224	329115	9.12%	0.713%
60	13.274	1899	1902	1905	rVV2	277468	309644	8.58%	0.670%
61	13.304	1905	1907	1910	rVB	154597	130331	3.61%	0.282%
62	13.333	1910	1912	1914	rBV	60712	49592	1.37%	0.107%
63	13.368	1914	1918	1921	rBV2	203572	229420	6.36%	0.497%
64	13.398	1921	1923	1927	rBV2	145373	152838	4.23%	0.331%
65	13.563	1949	1951	1955	rBV3	40353	64513	1.79%	0.140%
66	13.598	1955	1957	1960	rVB2	65139	62403	1.73%	0.135%
67	13.657	1964	1967	1969	rBV2	60204	67067	1.86%	0.145%
68	13.686	1969	1972	1976	rVB	173270	193817	5.37%	0.420%
69	13.798	1987	1991	1993	rBV2	258170	284912	7.89%	0.617%
70	13.827	1993	1996	1998	rVV	288880	309275	8.57%	0.670%
71	13.851	1998	2000	2005	rVV2	271952	400355	11.09%	0.867%
72	13.898	2005	2008	2014	rVB2	291756	330759	9.16%	0.716%
73	13.968	2017	2020	2026	rVB	65745	78645	2.18%	0.170%
74	14.045	2026	2033	2037	rBV2	1911923	2959724	81.99%	6.408%
75	14.080	2037	2039	2044	rVB	1518712	1440716	39.91%	3.119%
76	14.157	2049	2052	2055	rVV	415518	391135	10.84%	0.847%

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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

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77	14.198	2056	2059	2061	rVV2	104721	131542	3.64%	0.285%
78	14.245	2065	2067	2069	rVV	142475	129283	3.58%	0.280%
79	14.263	2069	2070	2072	rVV	119018	122556	3.40%	0.265%
80	14.280	2072	2073	2076	rVV	163155	109498	3.03%	0.237%
81	14.310	2076	2078	2081	rVB	53394	53104	1.47%	0.115%
82	14.404	2092	2094	2096	rBV2	61121	51370	1.42%	0.111%
83	14.439	2096	2100	2103	rVV	248962	248094	6.87%	0.537%
84	14.474	2103	2106	2110	rVB2	130560	128654	3.56%	0.279%
85	14.533	2112	2116	2119	rVV2	124971	170725	4.73%	0.370%
86	14.562	2119	2121	2123	rVV2	135716	118380	3.28%	0.256%
87	14.586	2123	2125	2128	rVB2	215884	185051	5.13%	0.401%
88	14.621	2129	2131	2133	rBV	56250	58881	1.63%	0.127%
89	14.757	2151	2154	2156	rBV2	113126	113287	3.14%	0.245%
90	14.839	2165	2168	2171	rBV3	62232	64919	1.80%	0.141%
91	14.945	2184	2186	2189	rVB2	62666	52809	1.46%	0.114%
92	15.121	2210	2216	2219	rBV	1005341	1806625	50.05%	3.911%
93	15.227	2231	2234	2238	rVB	211985	220164	6.10%	0.477%
94	15.433	2264	2269	2275	rVB	583068	825046	22.86%	1.786%
95	15.504	2275	2281	2286	rVB	862441	1149712	31.85%	2.489%
96	15.562	2286	2291	2294	rBV	327105	455116	12.61%	0.985%
97	15.592	2294	2296	2303	rVB	262154	338005	9.36%	0.732%
98	17.109	2548	2554	2562	rVB2	337536	685792	19.00%	1.485%
99	17.586	2628	2635	2646	rVB	236787	521163	14.44%	1.128%
100	17.833	2673	2677	2685	rVB	76659	157231	4.36%	0.340%

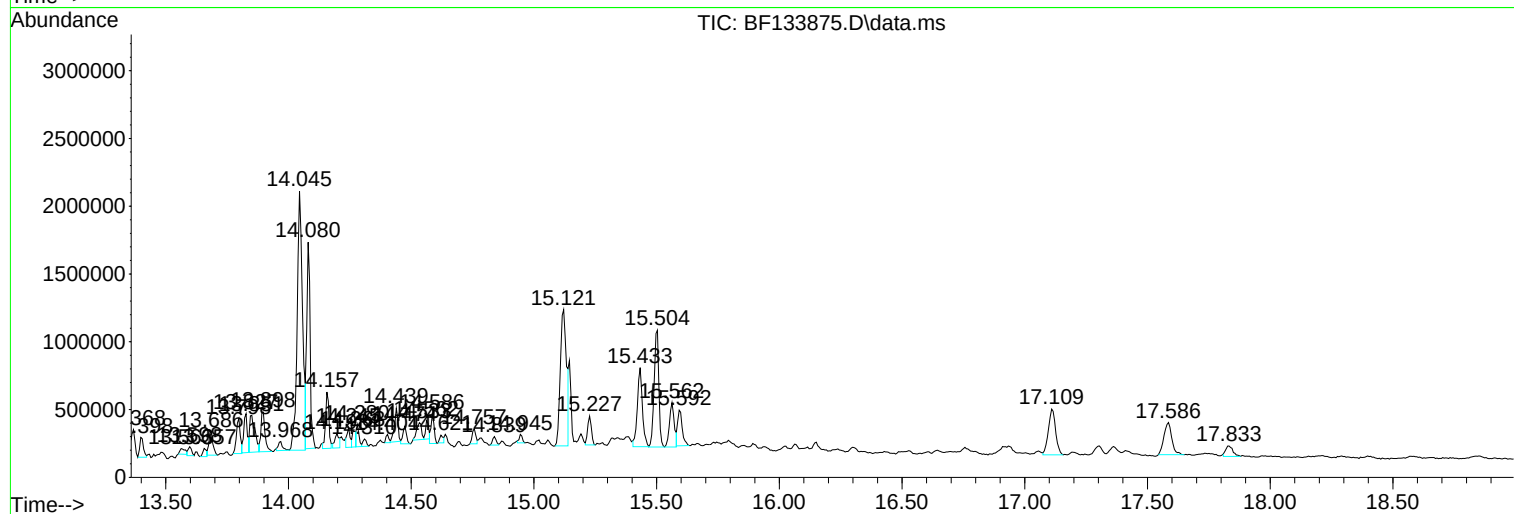
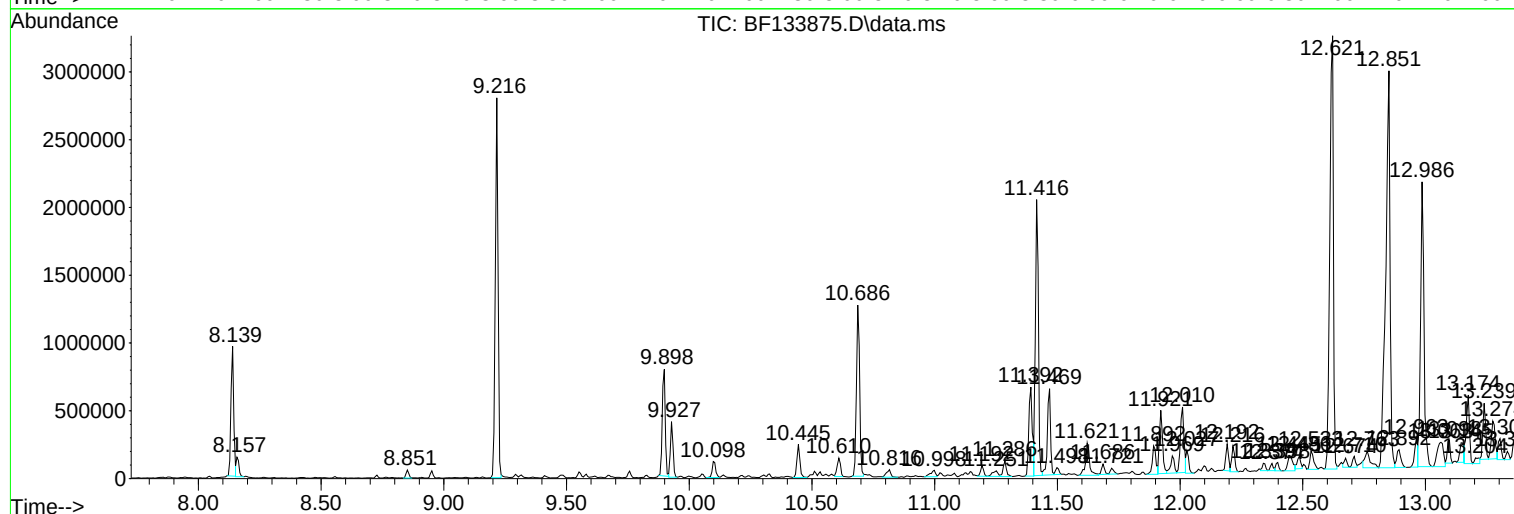
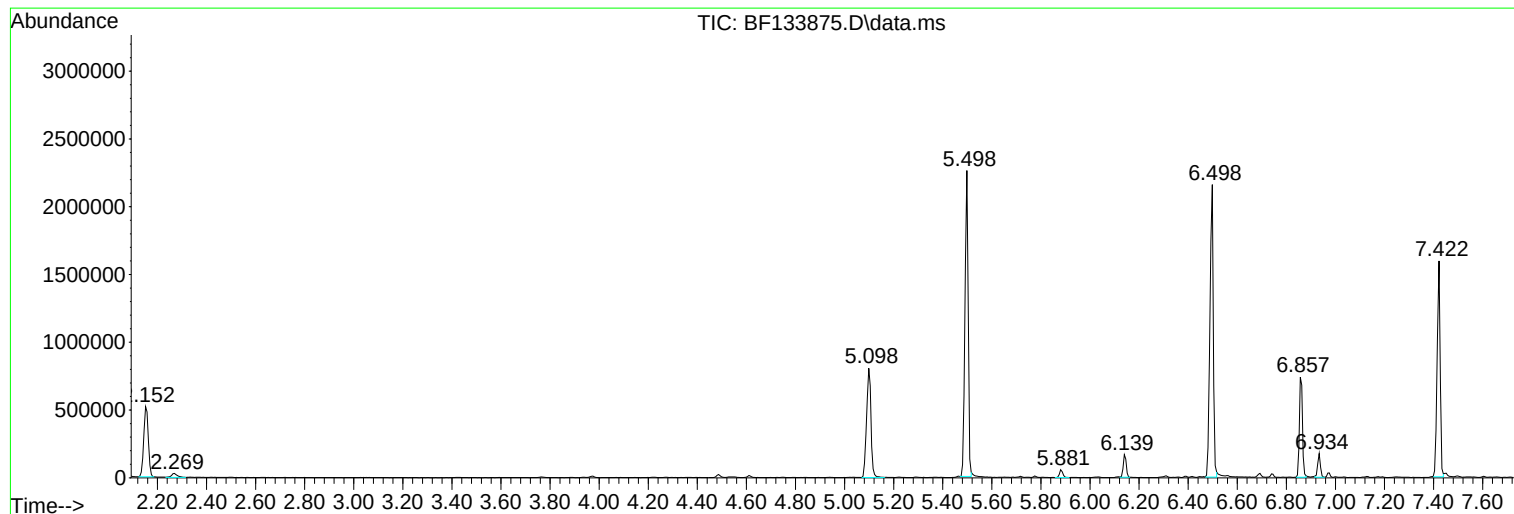
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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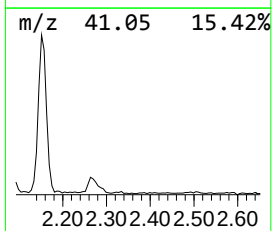
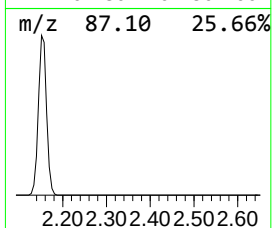
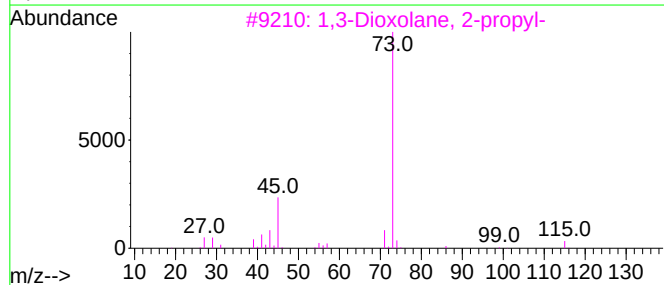
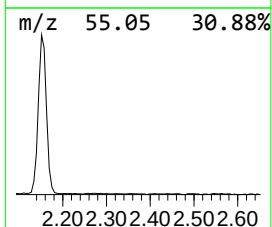
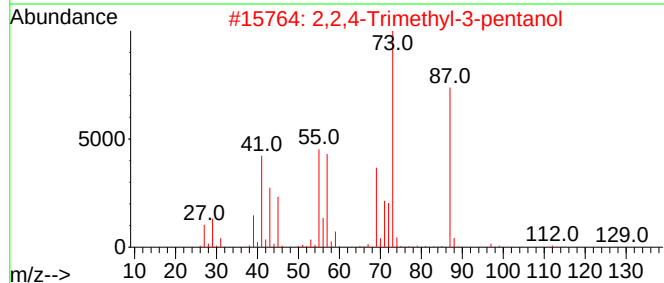
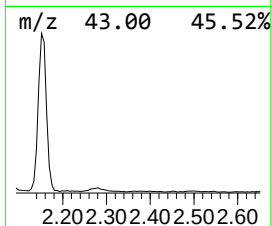
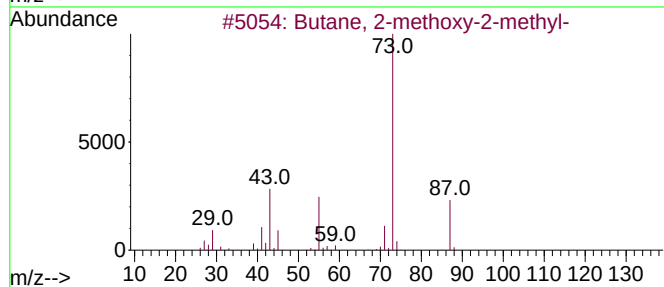
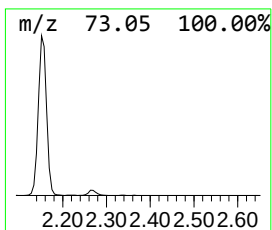
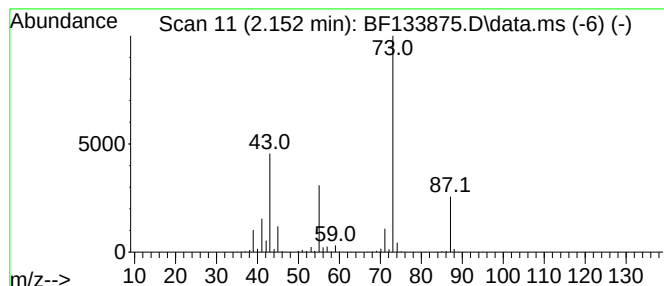
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	20.49 ng	665388	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-propyl-	116	C6H12O2	003390-13-4	23
4			Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5			Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



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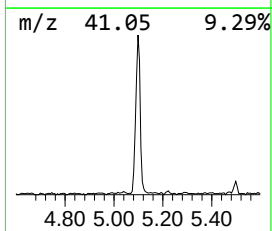
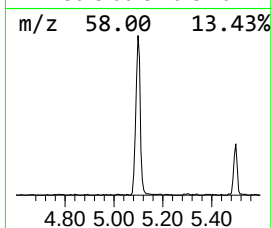
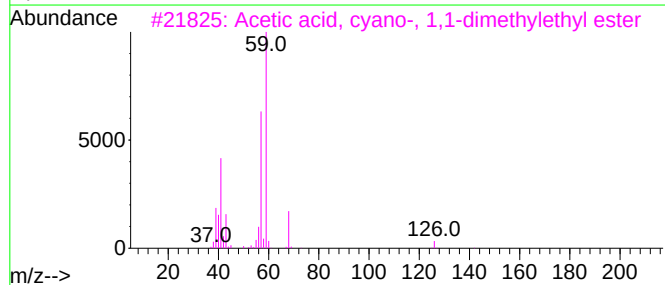
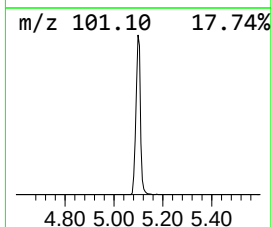
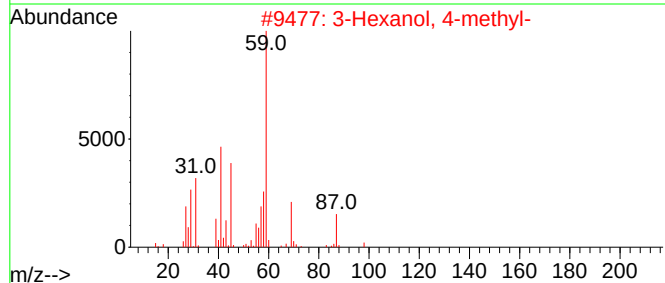
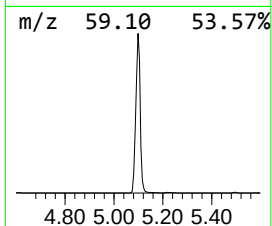
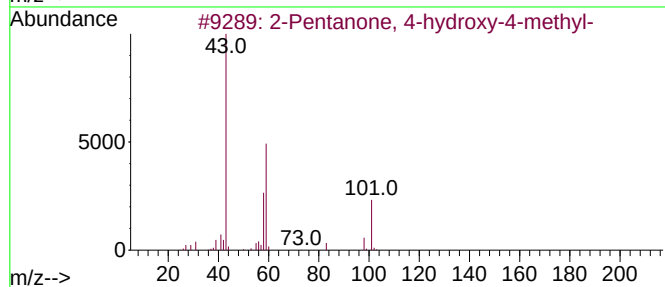
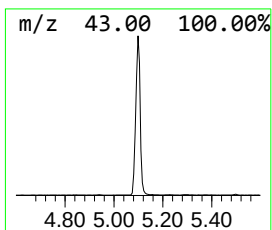
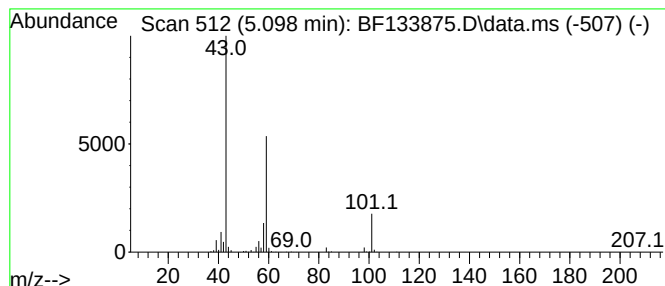
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.098	30.96 ng	1005470	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	56
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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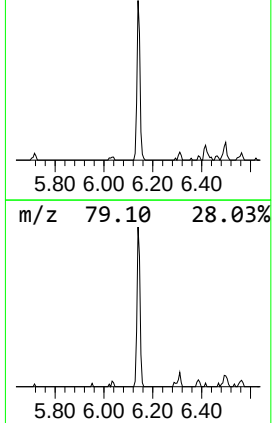
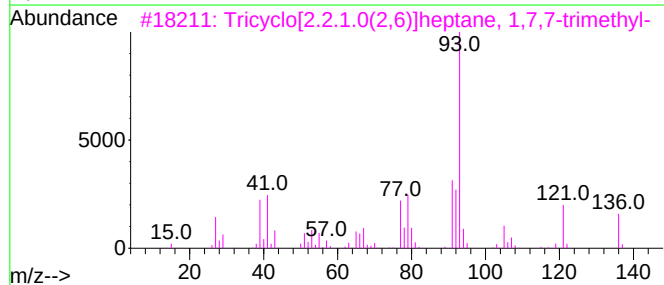
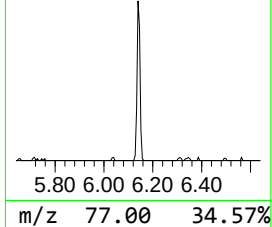
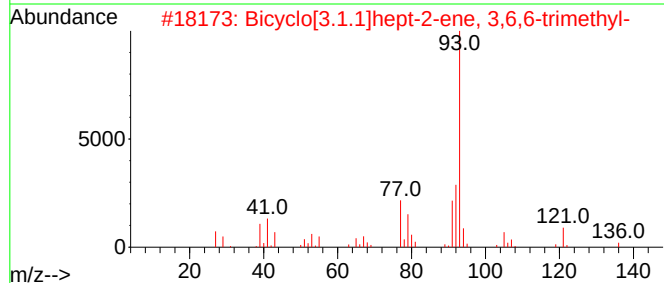
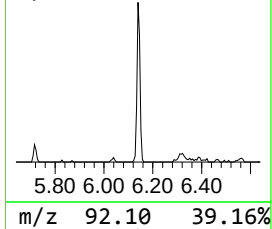
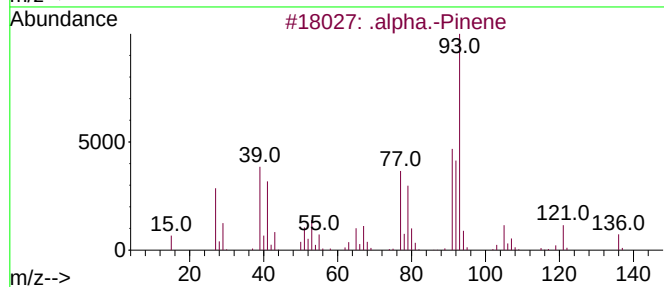
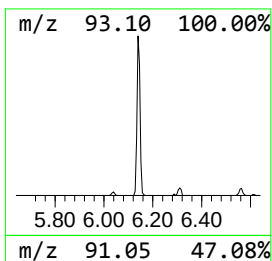
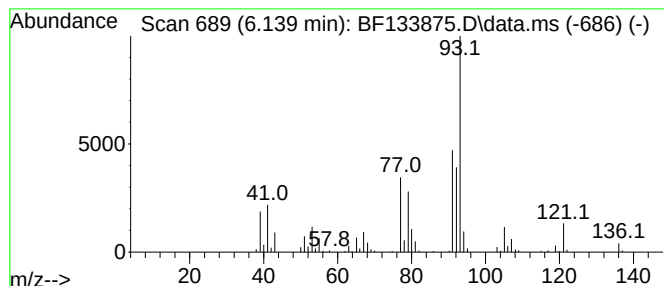
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 .alpha.-Pinene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.139	4.29 ng	139201	1,4-Dichlorobenzene-d4	6.863

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		.alpha.-Pinene	136	C10H16	000080-56-8	94
2		Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
3		Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
4		.gamma.-Terpinene	136	C10H16	000099-85-4	90
5		trans-.beta.-Ocimene	136	C10H16	003779-61-1	90



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Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
Operator : CG\JU
Sample : 03296-13
Misc :
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Instrument :
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ClientSampleId :
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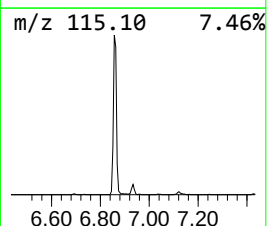
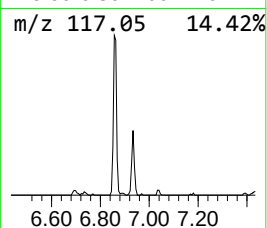
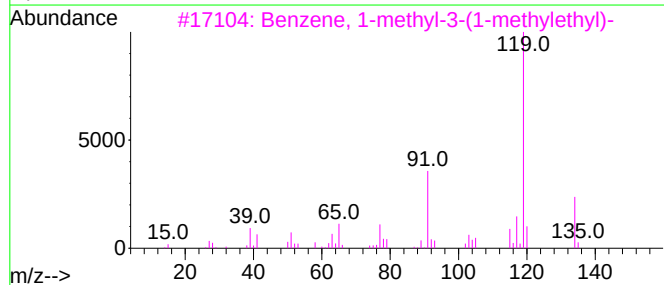
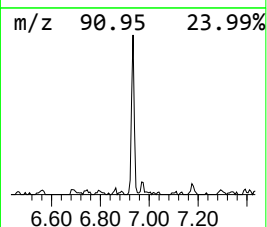
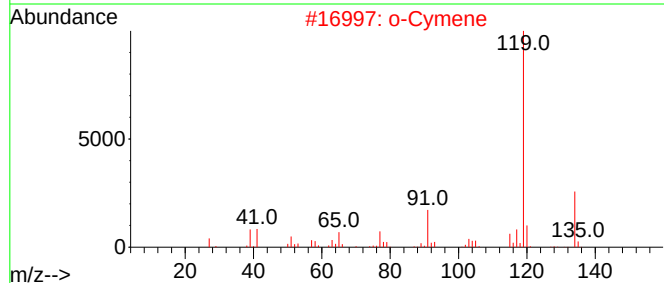
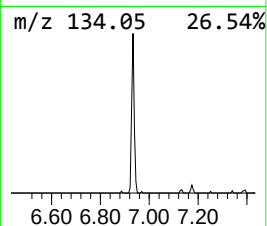
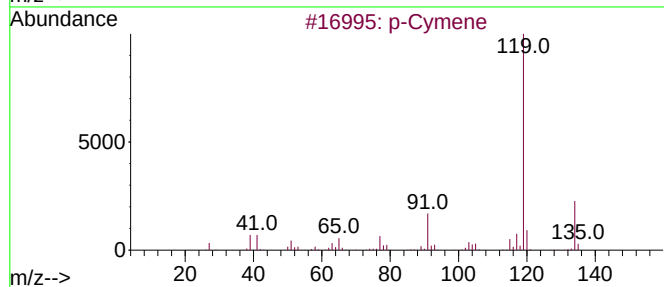
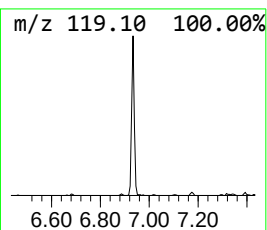
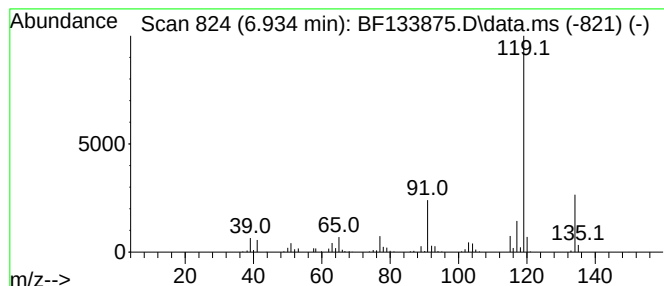
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 p-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.934	4.11 ng	133573	1,4-Dichlorobenzene-d4	6.863

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	94
2			o-Cymene	134	C10H14	000527-84-4	94
3			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



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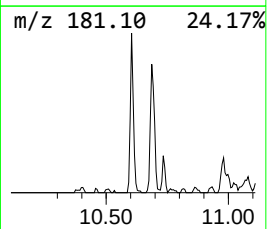
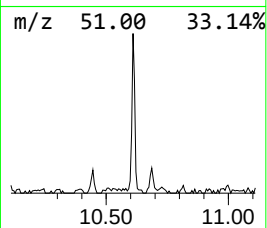
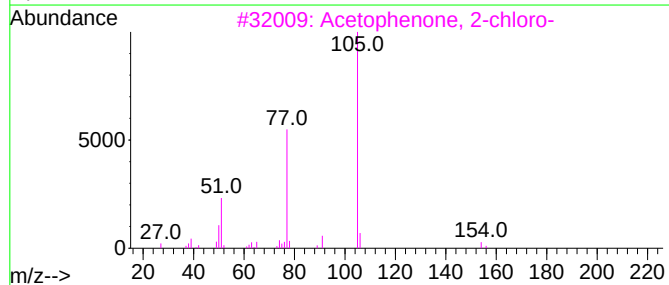
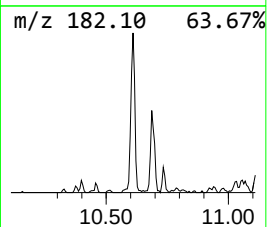
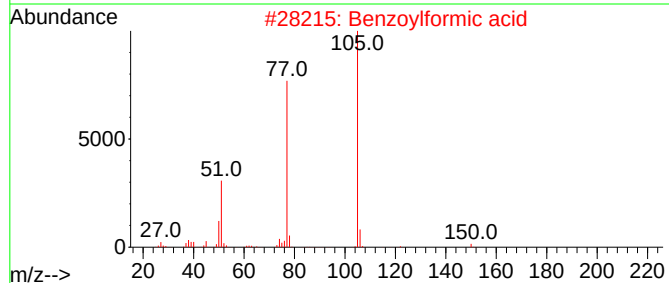
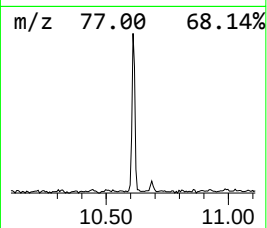
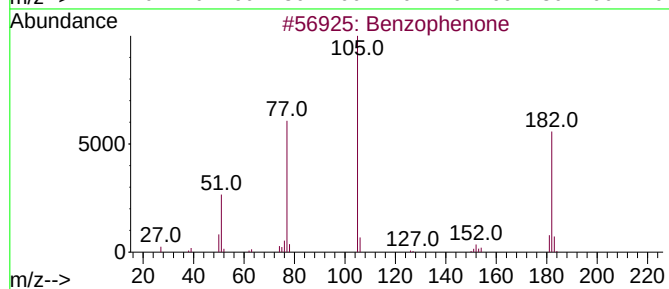
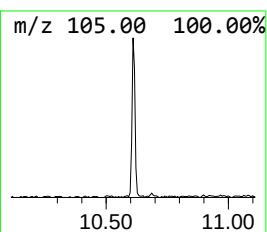
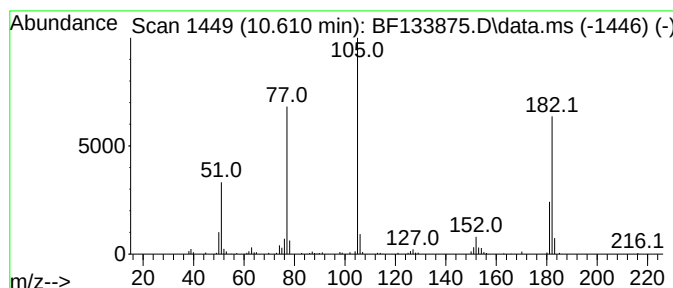
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	3.94 ng	131153	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	94
2			Benzoylformic acid	150	C8H6O3	000611-73-4	49
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
4			Ethyl 2-benzoyl-4-cyanobutanoate	245	C14H15NO3	1000486-83-9	43
5			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
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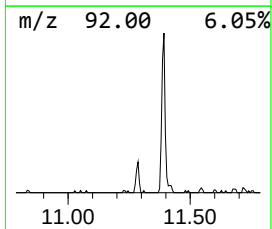
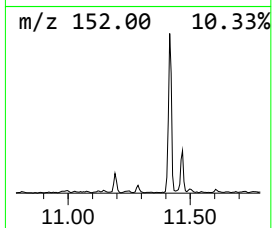
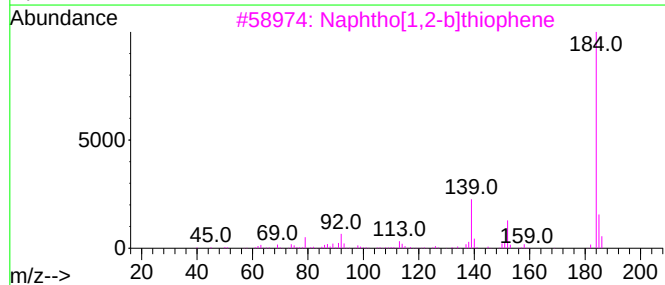
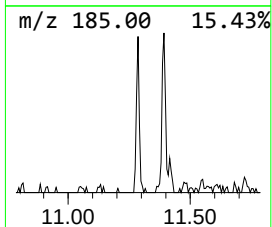
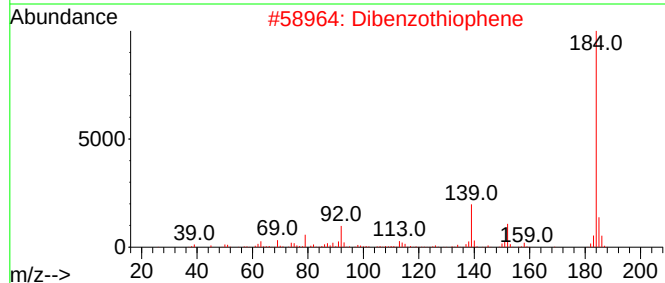
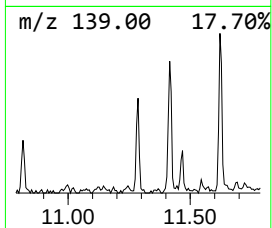
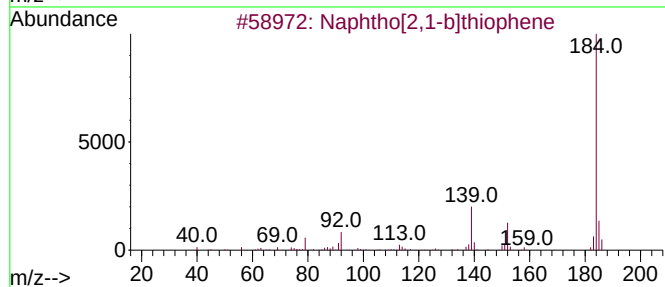
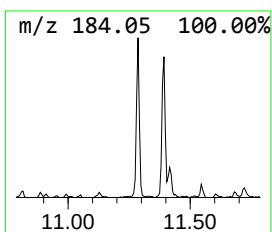
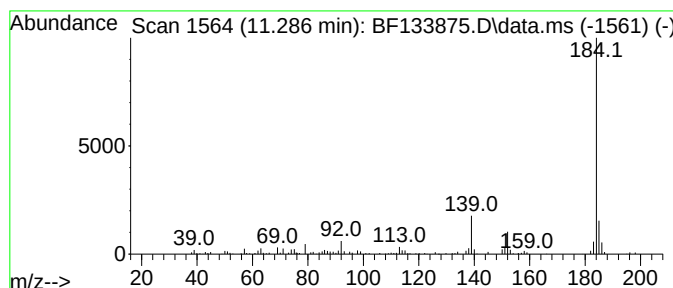
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	3.06 ng	104752	Phenanthrene-d10	11.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
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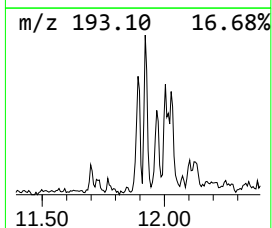
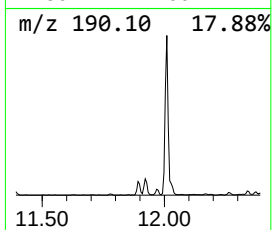
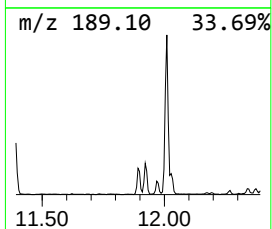
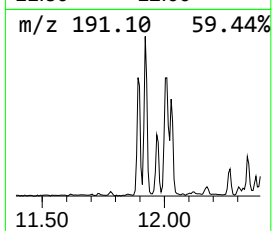
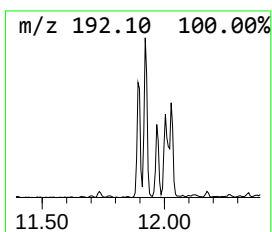
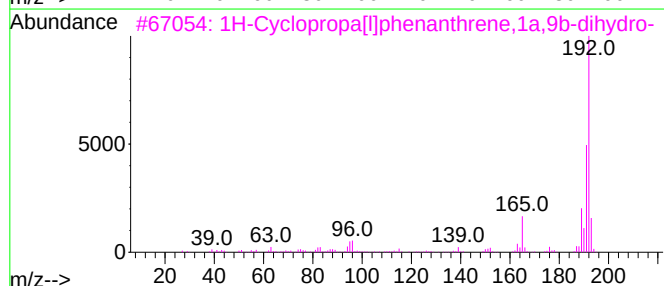
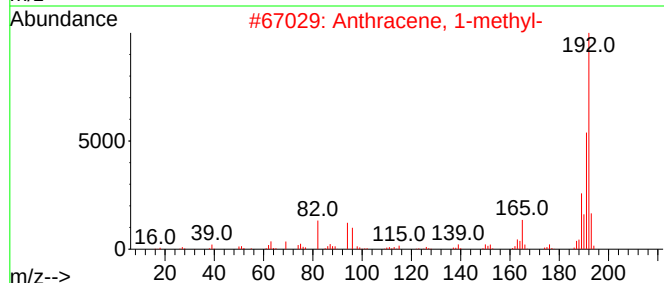
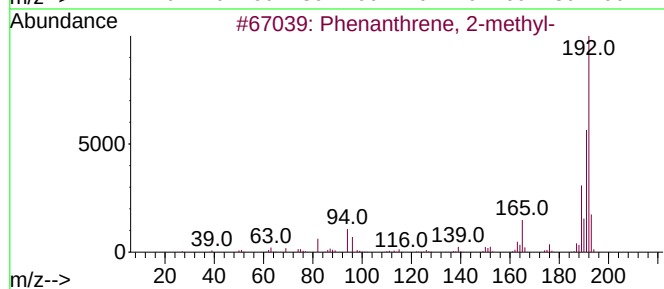
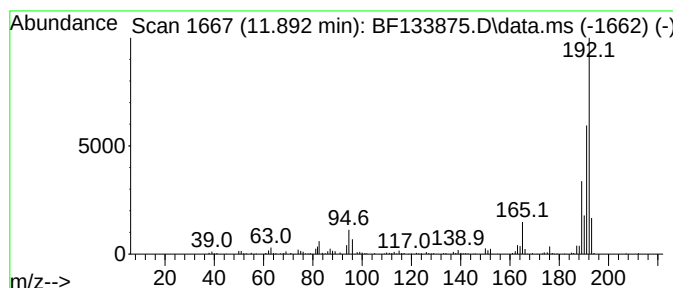
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.892	6.52 ng	222817	Phenanthrene-d10		11.392	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-		192	C15H12	000610-48-0	93
3	1H-Cyclopropa[1]phenanthrene,1a,...		192	C15H12	000949-41-7	91
4	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	91
5	Anthracene, 2-methyl-		192	C15H12	000613-12-7	90



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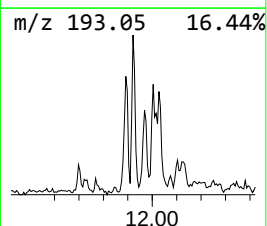
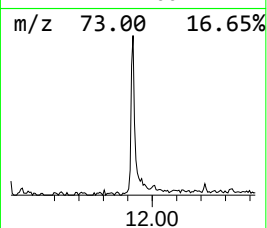
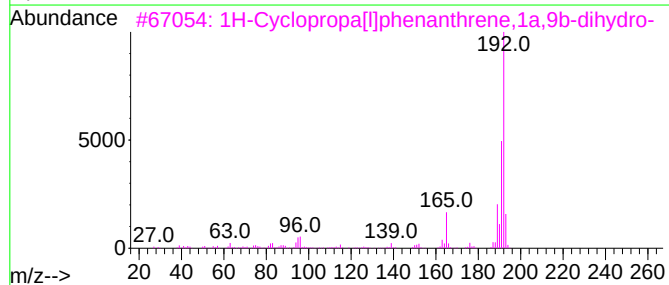
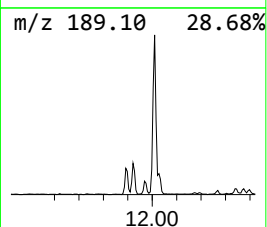
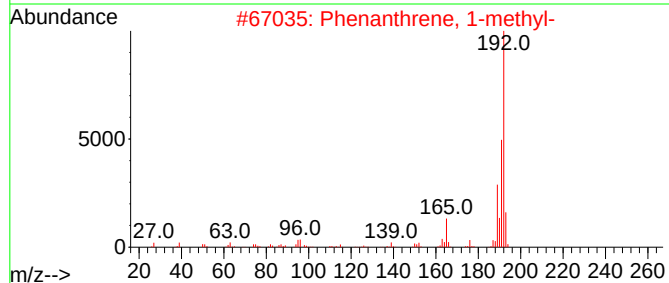
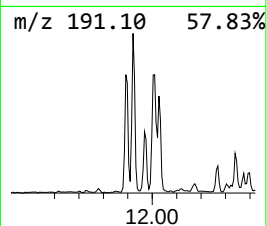
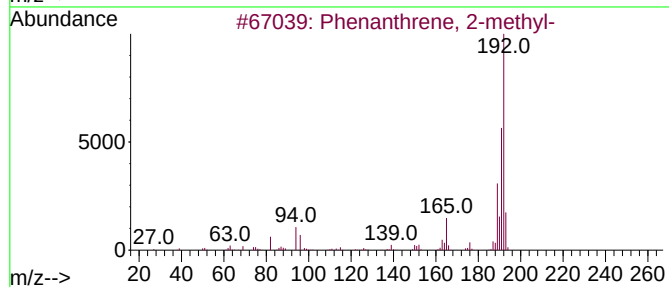
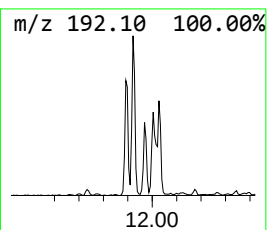
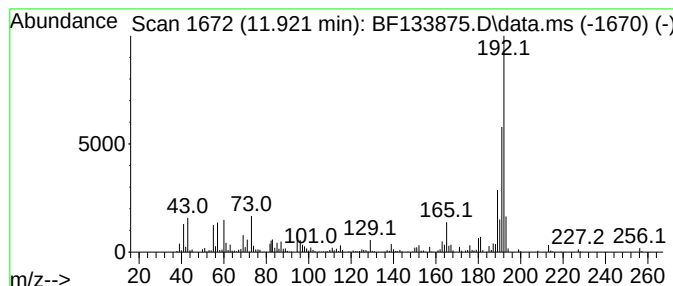
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	12.04 ng	411742	Phenanthrene-d10	11.392

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			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



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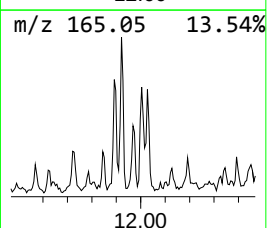
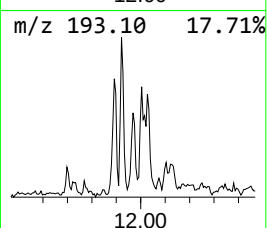
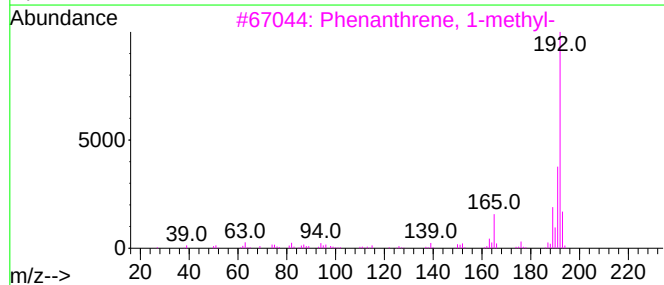
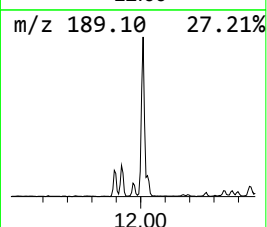
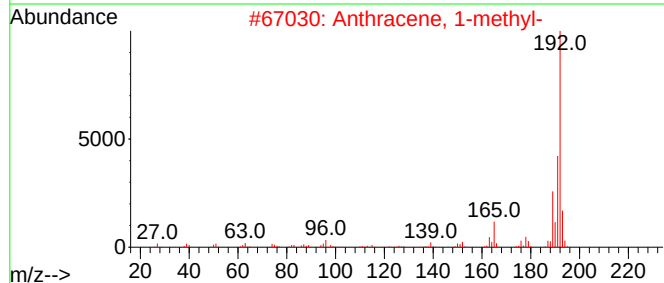
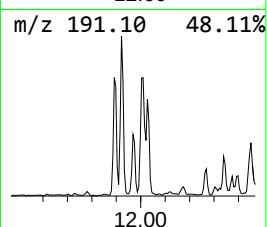
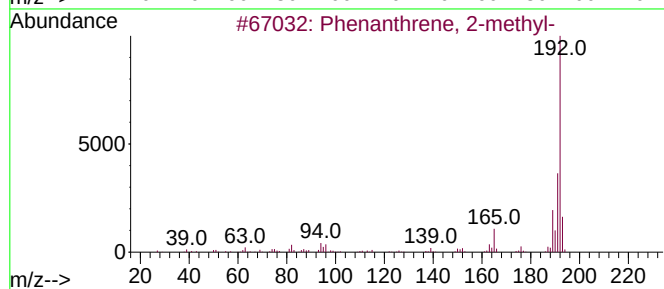
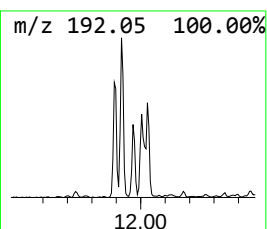
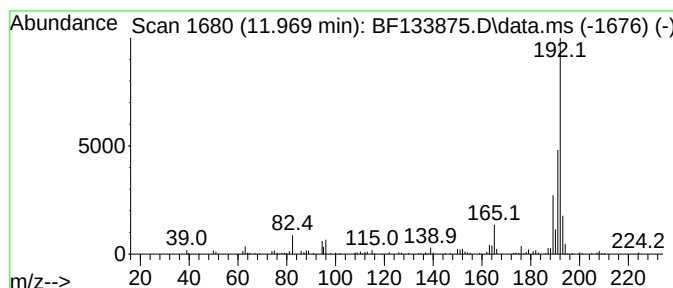
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.969	3.92 ng	134125	Phenanthrene-d10		11.392	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-		192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	96
4	1H-Indene, 2-phenyl-		192	C15H12	004505-48-0	93
5	1H-Cyclopropa[1]phenanthrene,1a,...		192	C15H12	000949-41-7	93



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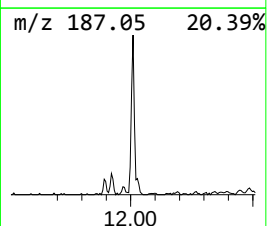
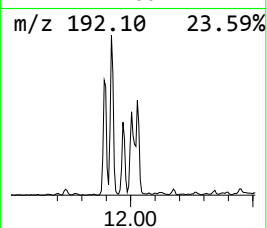
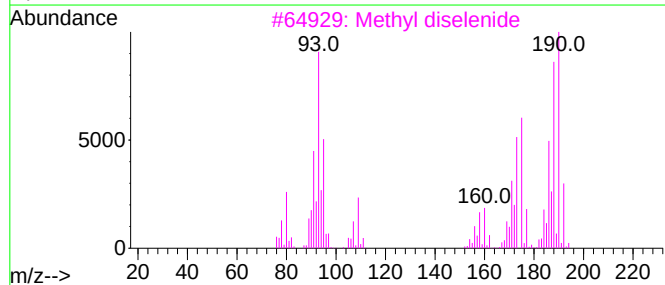
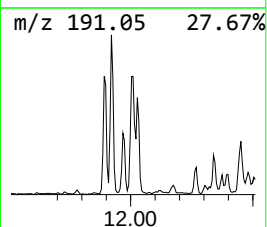
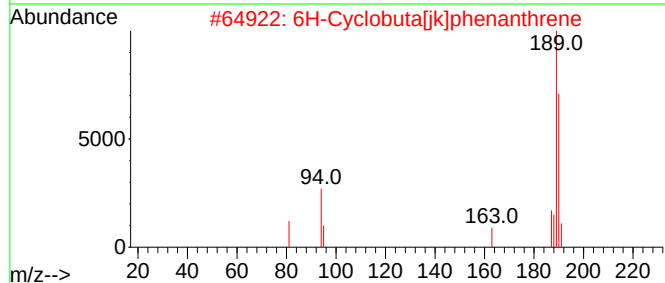
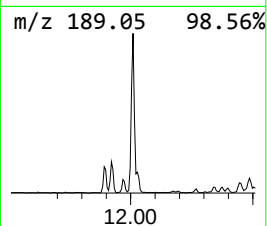
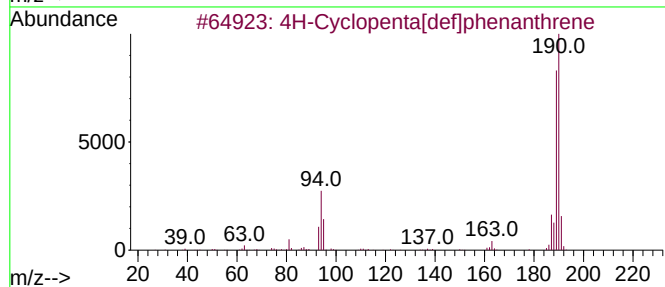
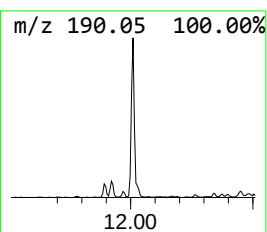
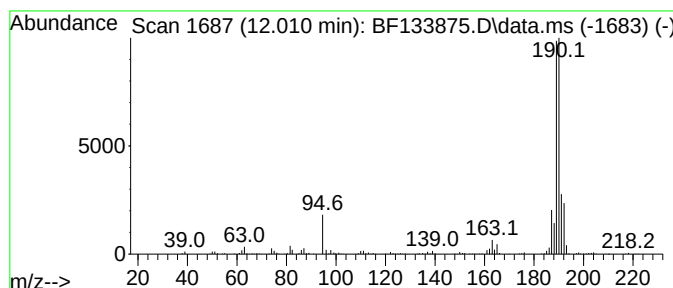
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.010	14.39 ng	492024	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
Operator : CG\JU
Sample : 03296-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

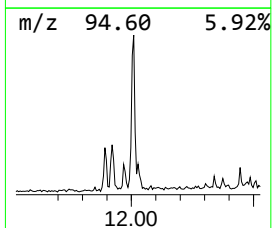
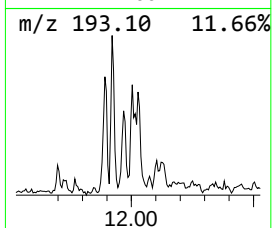
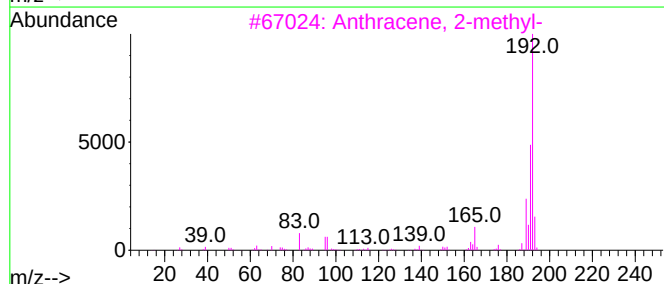
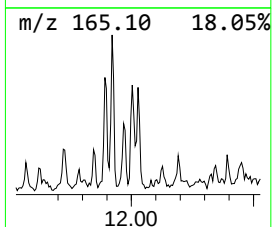
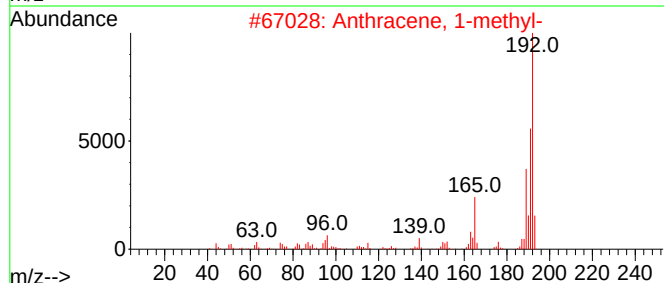
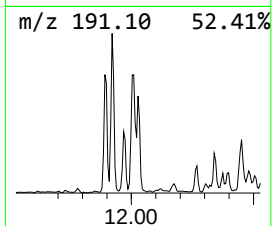
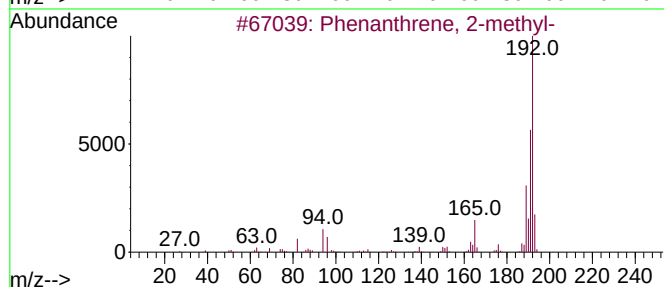
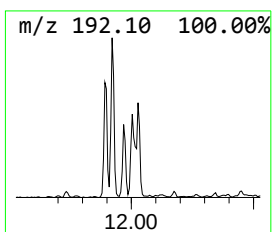
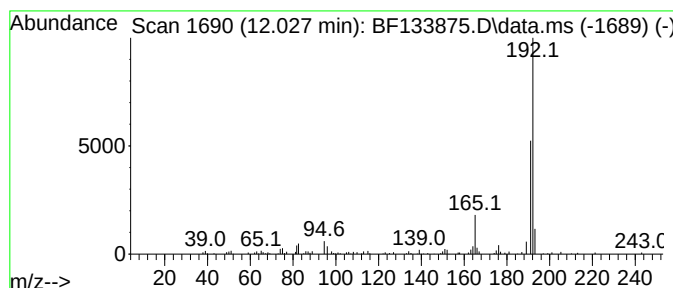
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	3.38 ng	115406	Phenanthrene-d10	11.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
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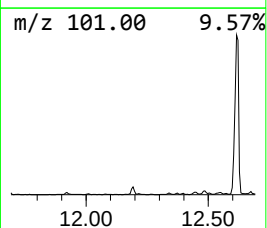
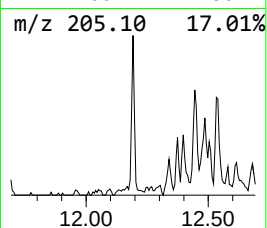
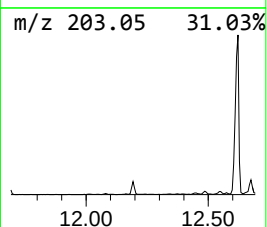
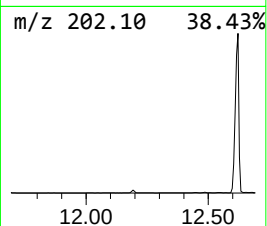
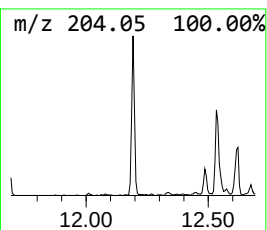
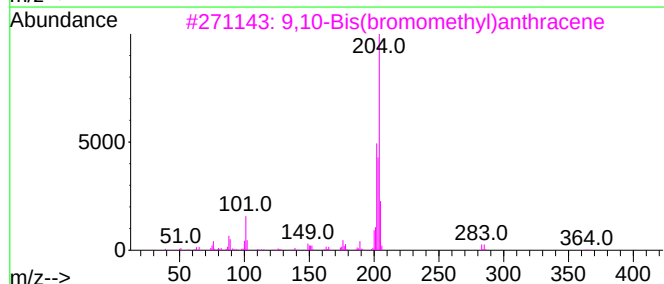
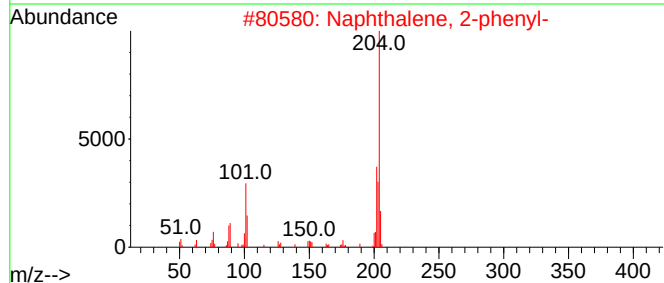
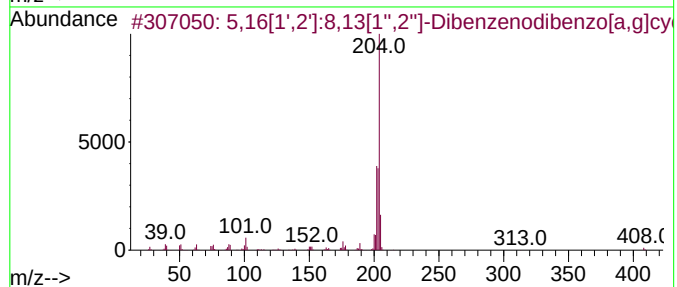
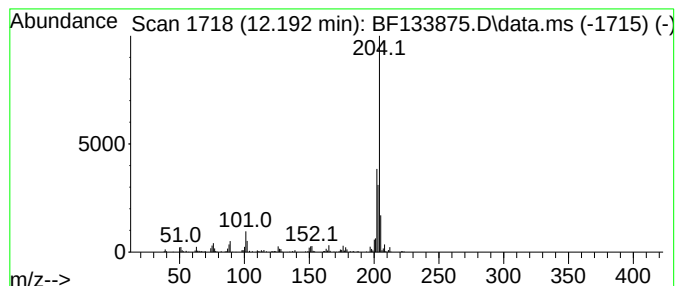
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.192	4.54 ng	155153	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
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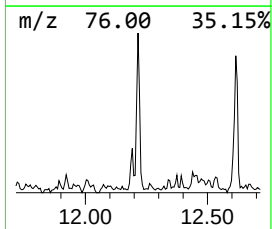
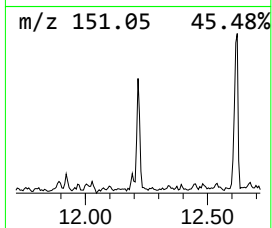
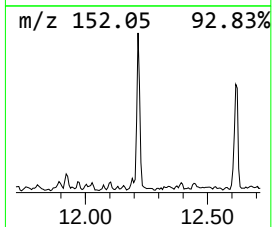
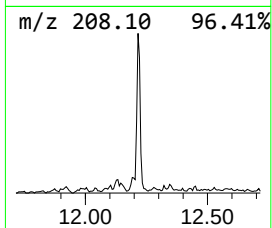
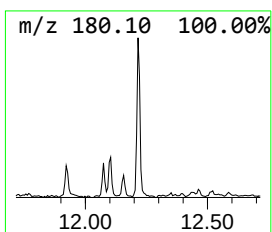
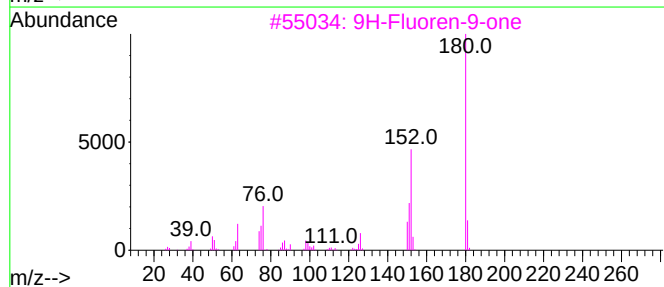
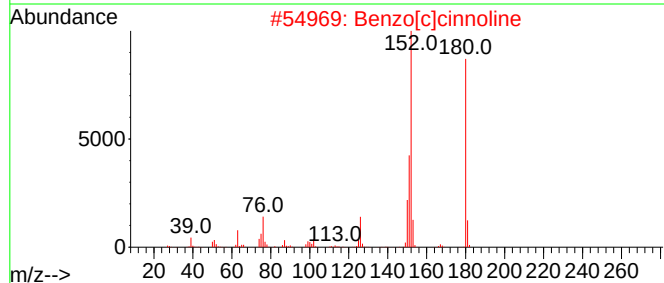
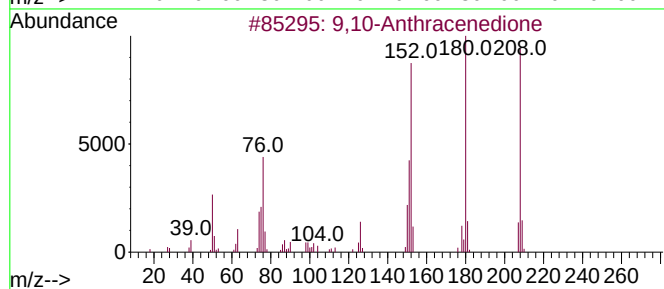
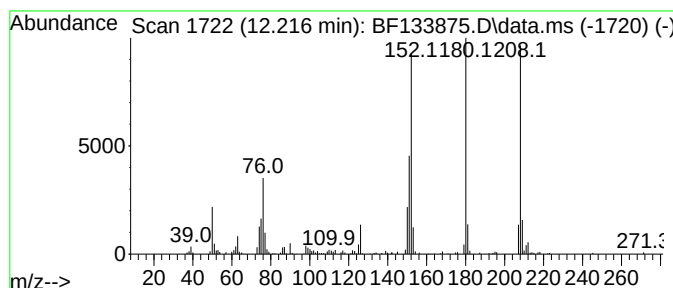
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.216	4.59 ng	156784	Phenanthrene-d10		11.392	
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	83
3	9H-Fluoren-9-one		180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one		180	C13H8O	000548-39-0	64
5	1,4-Anthracenedione		208	C14H8O2	000635-12-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
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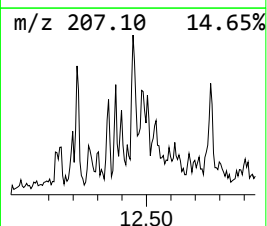
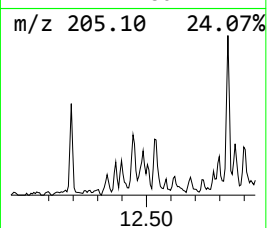
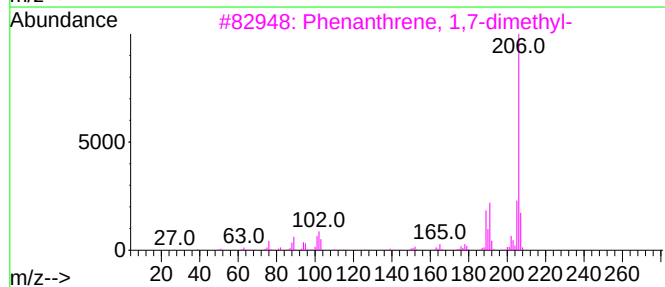
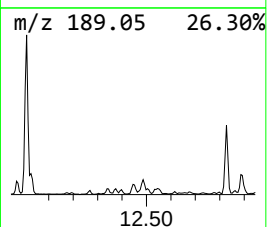
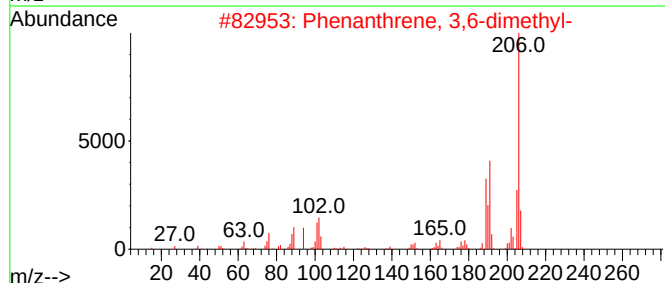
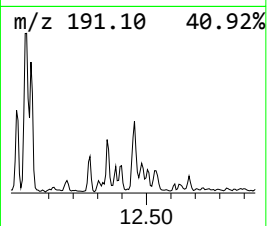
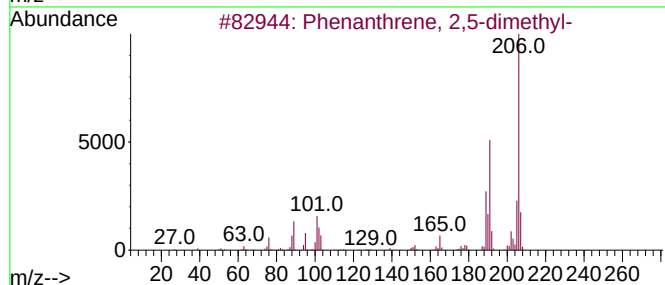
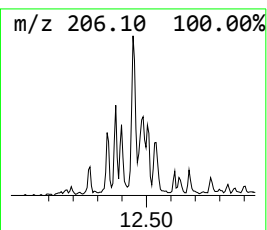
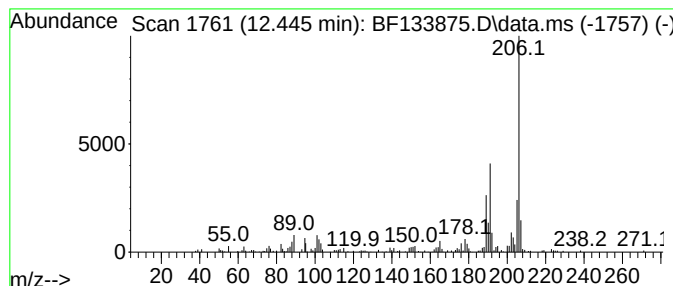
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	4.84 ng	165334	Phenanthrene-d10	11.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
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ClientSampleId :
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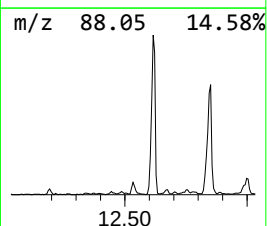
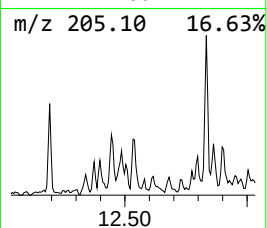
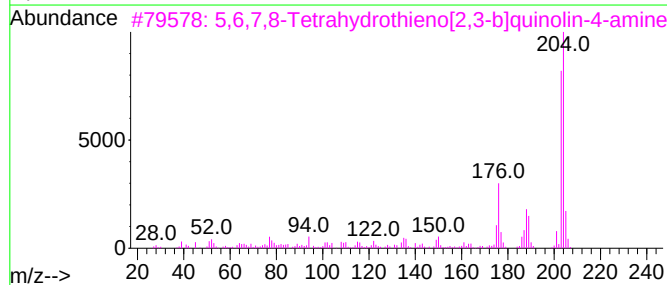
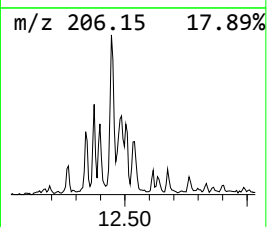
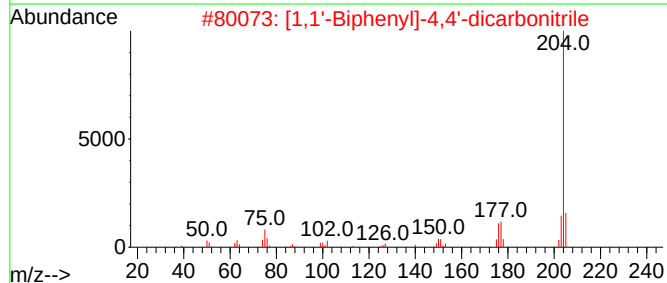
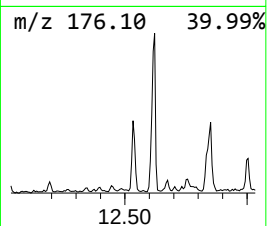
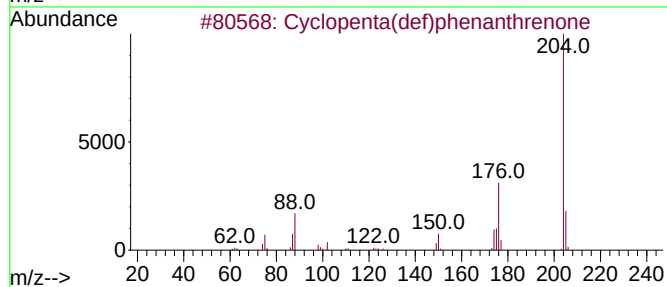
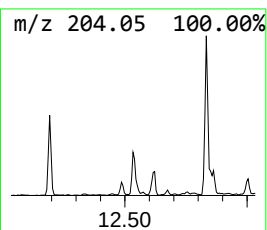
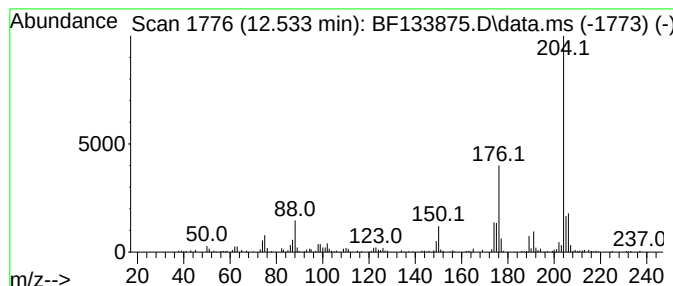
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	4.21 ng	144079	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
4			Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	43
5			N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
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ALS Vial : 11 Sample Multiplier: 1

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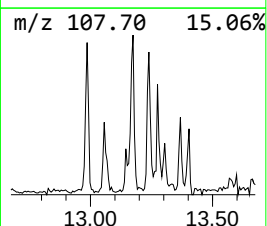
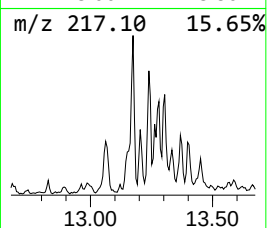
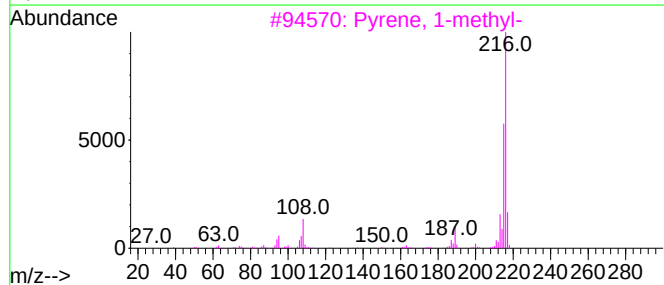
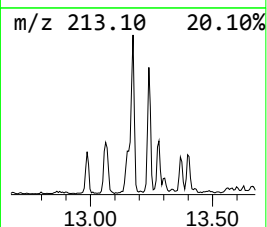
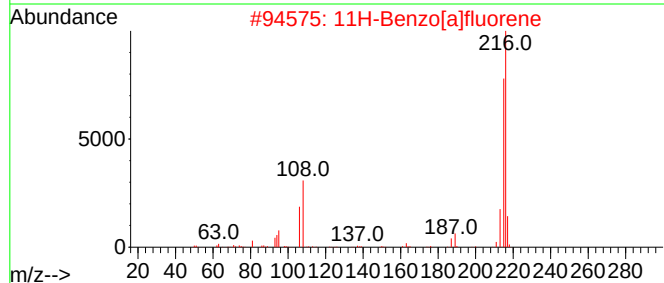
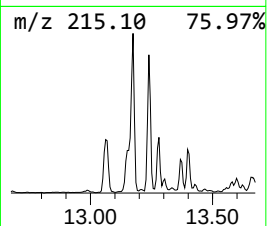
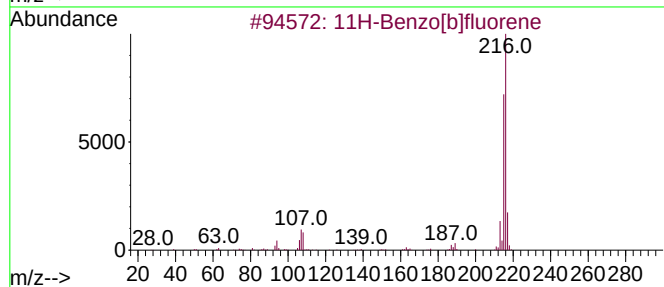
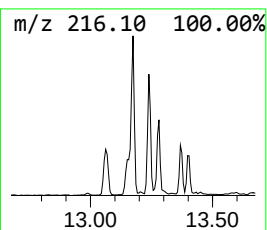
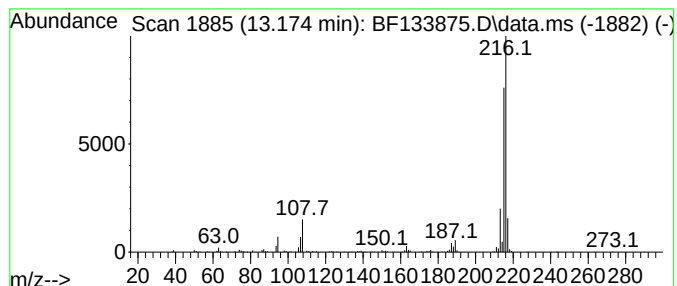
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	3.05 ng	450796	Chrysene-d12	14.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
Operator : CG\JU
Sample : 03296-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

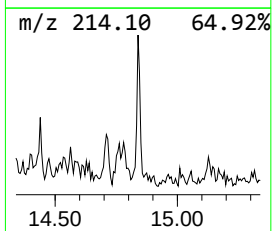
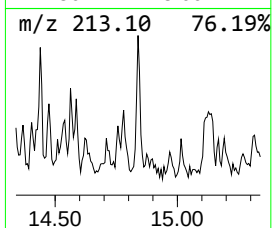
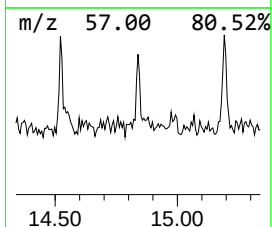
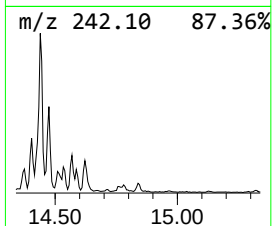
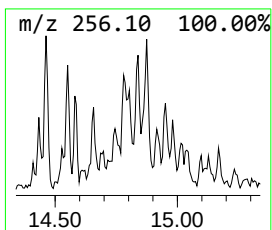
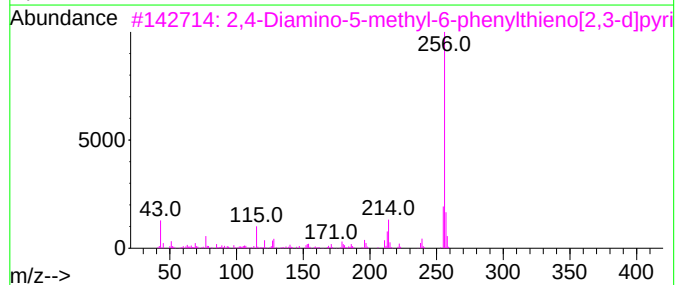
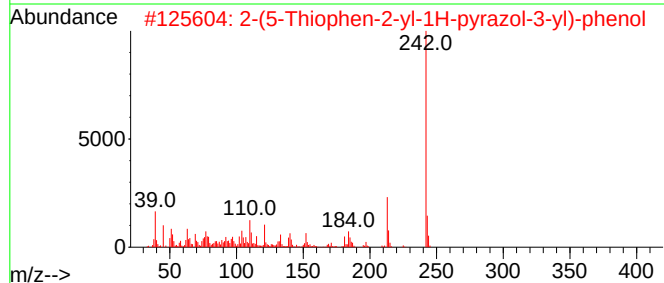
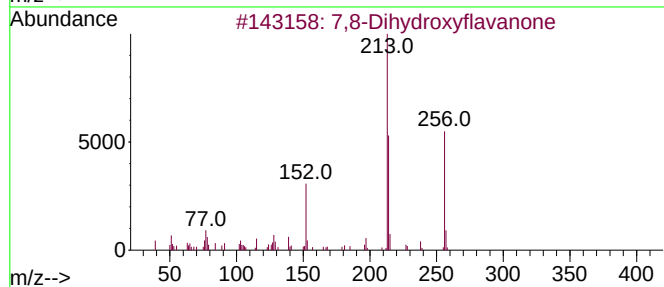
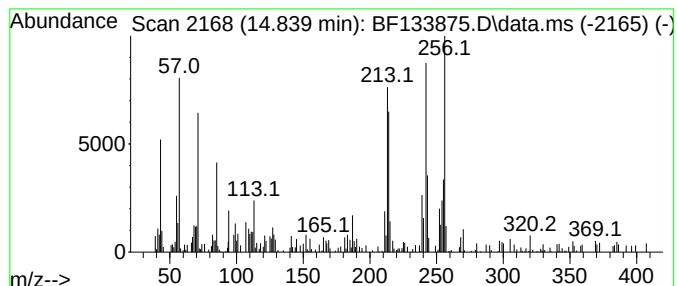
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown14.839 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.839	2.85 ng	64919	Perylene-d12	15.562
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1	7,8-Dihydroxyflavanone	256	C15H12O4	1000428-08-8 35
2	2-(5-Thiophen-2-yl-1H-pyrazol-3-...	242	C13H10N2OS	1000301-11-6 25
3	2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2 25
4	Harmaline	214	C13H14N2O	000304-21-2 18
5	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6 15



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
Operator : CG\JU
Sample : 03296-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

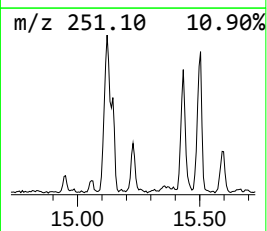
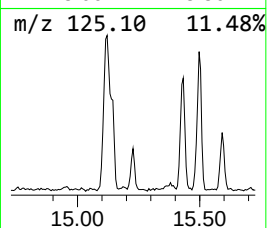
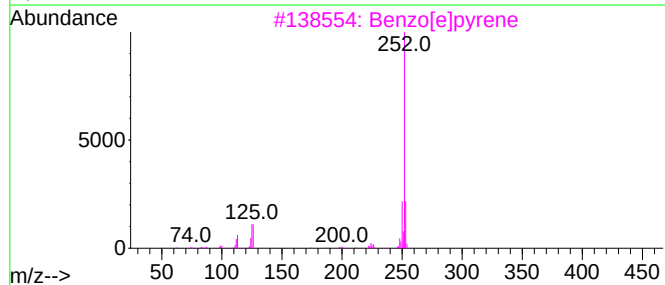
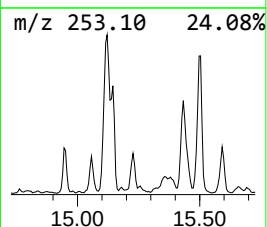
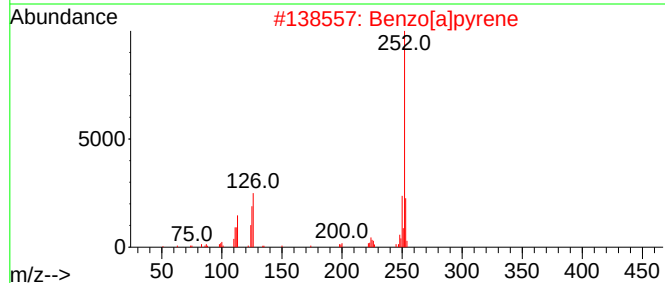
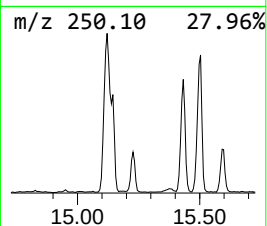
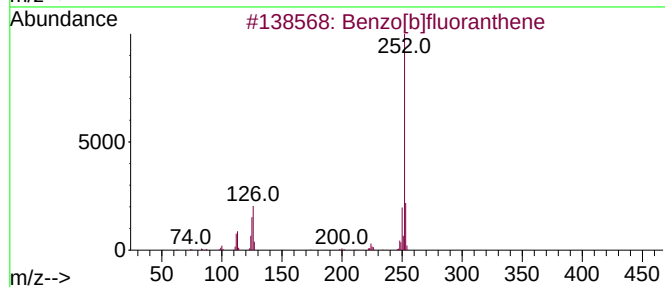
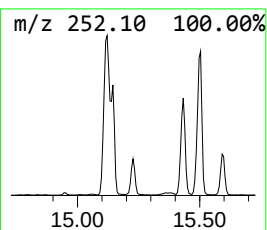
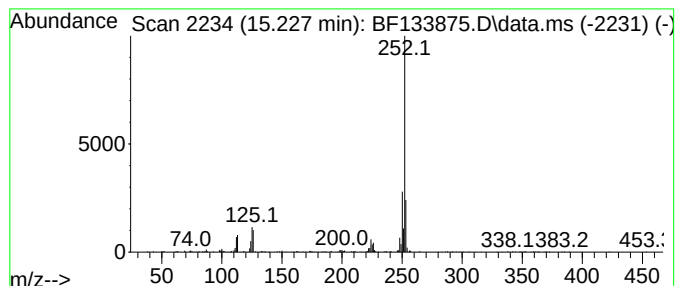
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	9.68 ng	220164	Perylene-d12	15.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2		Benzo[a]pyrene	252	C20H12	000050-32-8	90
3		Benzo[e]pyrene	252	C20H12	000192-97-2	90
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
Operator : CG\JU
Sample : 03296-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

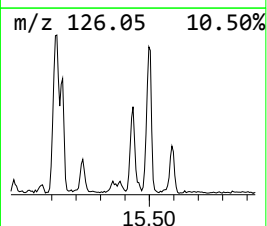
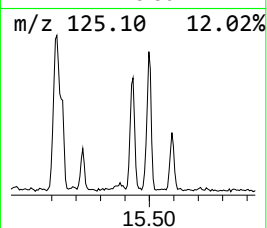
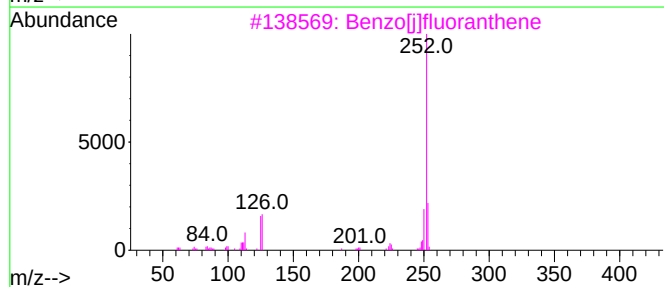
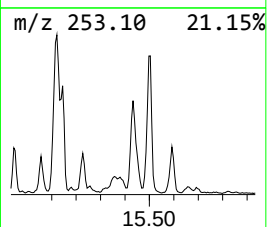
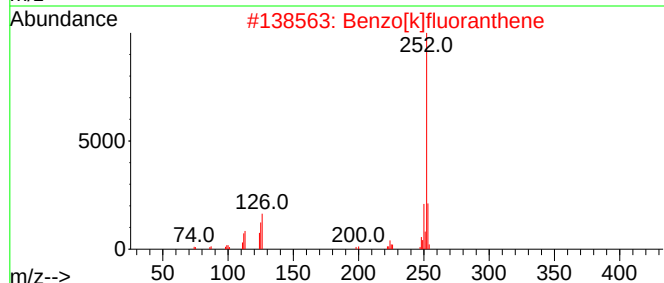
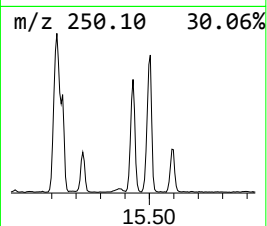
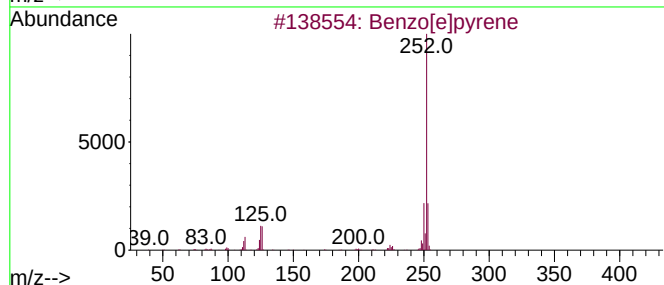
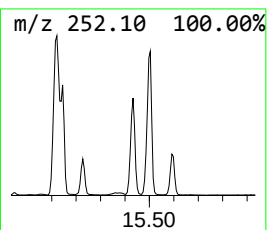
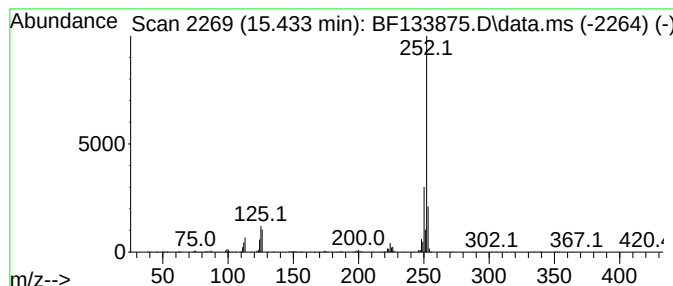
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	36.26 ng	825046	Perylene-d12	15.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5			Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
Operator : CG\JU
Sample : 03296-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

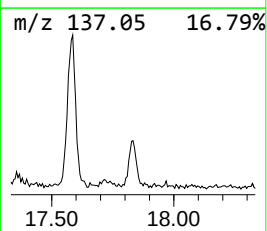
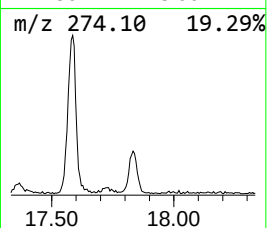
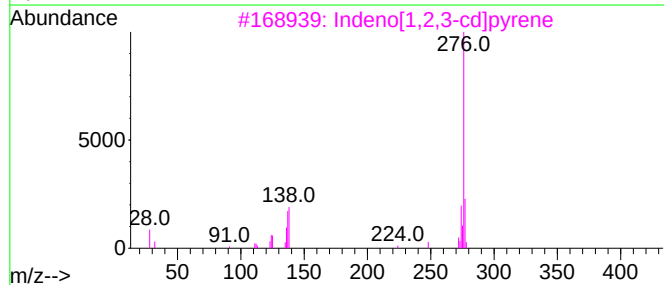
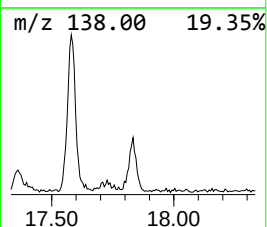
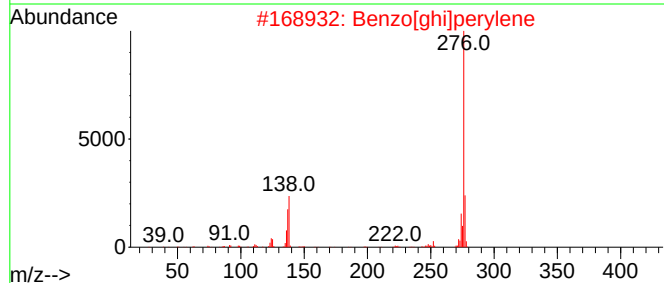
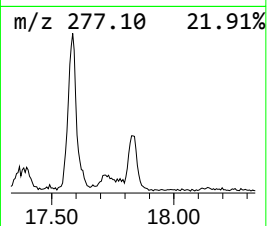
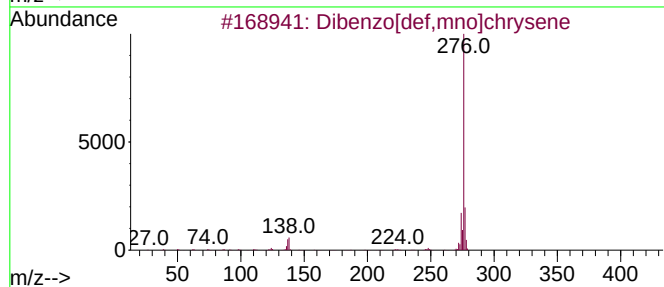
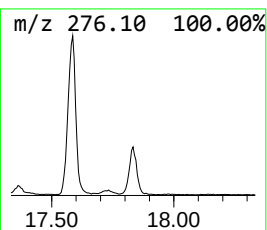
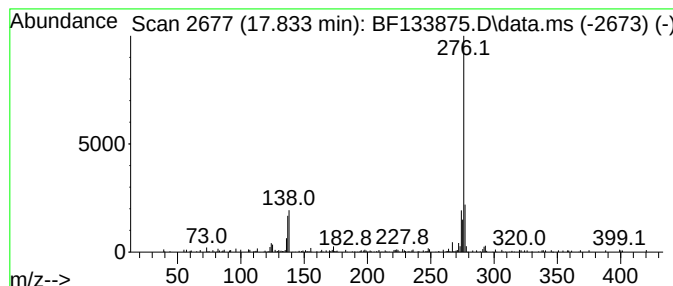
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	6.91 ng	157231	Perylene-d12	15.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2			Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	80
4			1H-benzimidazole, 2,2'-methylene...	276	C17H16N4	1000401-82-9	53
5			1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133875.D
Acq On : 21 Jun 2023 17:25
Operator : CG\JU
Sample : 03296-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.152	20.5	ng	665388	1	6.863	649611	20.0
2-Pentanone, 4-...	5.098	31.0	ng	1005470	1	6.863	649611	20.0
.alpha.-Pinene	6.139	4.3	ng	139201	1	6.863	649611	20.0
p-Cymene	6.934	4.1	ng	133573	1	6.863	649611	20.0
Benzophenone	10.610	3.9	ng	131153	3	9.898	665199	20.0
Naphtho[2,1-b]t...	11.286	3.1	ng	104752	4	11.392	683712	20.0
Phenanthrene, 2...	11.892	6.5	ng	222817	4	11.392	683712	20.0
Phenanthrene, 1...	11.922	12.0	ng	411742	4	11.392	683712	20.0
Anthracene, 1-m...	11.969	3.9	ng	134125	4	11.392	683712	20.0
4H-Cyclopenta[d...	12.010	14.4	ng	492024	4	11.392	683712	20.0
1H-Cyclopropa[1...	12.027	3.4	ng	115406	4	11.392	683712	20.0
5,16[1',2']:8,1...	12.192	4.5	ng	155153	4	11.392	683712	20.0
9,10-Anthracene...	12.216	4.6	ng	156784	4	11.392	683712	20.0
Phenanthrene, 2...	12.445	4.8	ng	165334	4	11.392	683712	20.0
Cyclopenta(def)...	12.533	4.2	ng	144079	4	11.392	683712	20.0
11H-Benzo[b]flu...	13.174	3.0	ng	450796	5	14.057	2959720	20.0
unknown14.839	14.839	2.9	ng	64919	6	15.562	455116	20.0
Perylene	15.227	9.7	ng	220164	6	15.562	455116	20.0
Benzo[e]pyrene	15.433	36.3	ng	825046	6	15.562	455116	20.0
Dibenzo[def,mno...	17.833	6.9	ng	157231	6	15.562	455116	20.0