

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133859.D
 Acq On : 20 Jun 2023 16:41
 Operator : CG\JU
 Sample : 03214-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HYATT-PIPE-TP

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: BF133859.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	18	rVB	106666	135249	14.30%	0.793%
2	5.487	575	578	593	rVB	501053	455825	48.20%	2.674%
3	6.486	745	748	756	rBV	452634	446276	47.19%	2.618%
4	6.692	778	783	788	rBV2	48810	67600	7.15%	0.397%
5	6.857	807	811	818	rBV	644912	502564	53.14%	2.948%
6	7.416	903	906	910	rBV	311235	268438	28.38%	1.575%
7	7.710	954	956	961	rVB	112301	92440	9.77%	0.542%
8	8.133	1025	1028	1031	rBV	648870	591710	62.56%	3.471%
9	8.157	1031	1032	1036	rVB	199917	114580	12.11%	0.672%
10	8.351	1060	1065	1070	rBV	98816	84786	8.96%	0.497%
11	8.410	1072	1075	1084	rVV	105136	96793	10.23%	0.568%
12	8.851	1147	1150	1153	rVB2	231615	186917	19.76%	1.096%
13	8.945	1163	1166	1170	rBV	98875	91848	9.71%	0.539%
14	9.133	1194	1198	1200	rVV	42929	42901	4.54%	0.252%
15	9.210	1208	1211	1216	rVB	706105	532718	56.33%	3.125%
16	9.292	1221	1225	1227	rVV2	84138	78220	8.27%	0.459%
17	9.410	1242	1245	1250	rVB2	32996	46559	4.92%	0.273%
18	9.480	1251	1257	1260	rBV	72358	103377	10.93%	0.606%
19	9.551	1266	1269	1271	rVV	87848	83331	8.81%	0.489%
20	9.575	1271	1273	1275	rVV	53998	53590	5.67%	0.314%
21	9.598	1275	1277	1278	rVV	112220	86800	9.18%	0.509%
22	9.616	1278	1280	1285	rVV	135264	121968	12.90%	0.715%
23	9.669	1285	1289	1294	rVV3	40059	50312	5.32%	0.295%
24	9.757	1300	1304	1307	rBV	359905	323982	34.26%	1.901%
25	9.804	1310	1312	1314	rVV	68408	49738	5.26%	0.292%
26	9.892	1324	1327	1331	rVB	664461	551000	58.26%	3.232%
27	10.004	1342	1346	1349	rBV2	33327	43244	4.57%	0.254%
28	10.057	1349	1355	1358	rBV6	29076	53751	5.68%	0.315%
29	10.098	1358	1362	1366	rVB2	44548	55676	5.89%	0.327%
30	10.139	1366	1369	1374	rBV3	36592	43343	4.58%	0.254%
31	10.204	1377	1380	1383	rBV2	67954	82908	8.77%	0.486%
32	10.304	1393	1397	1398	rBV2	67696	75992	8.03%	0.446%
33	10.322	1398	1400	1403	rVV2	86433	71359	7.55%	0.419%
34	10.351	1403	1405	1408	rVB	66264	52784	5.58%	0.310%
35	10.457	1421	1423	1427	rVB2	47609	44689	4.73%	0.262%
36	10.551	1434	1439	1444	rBV3	69420	93239	9.86%	0.547%

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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

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

37	10.610	1444	1449	1451	rBV4	42921	60748	6.42%	0.356%
38	10.686	1457	1462	1466	rBV	338915	327515	34.63%	1.921%
39	10.810	1479	1483	1490	rVB	192516	254758	26.94%	1.494%
40	11.145	1538	1540	1545	rVB	45968	41882	4.43%	0.246%
41	11.192	1545	1548	1552	rVV2	47531	48094	5.09%	0.282%
42	11.251	1556	1558	1561	rVV	95577	83603	8.84%	0.490%
43	11.280	1561	1563	1568	rVB2	105926	103690	10.96%	0.608%
44	11.386	1578	1581	1583	rBV	659143	543073	57.42%	3.186%
45	11.410	1583	1585	1591	rVV	190893	179049	18.93%	1.050%
46	11.463	1591	1594	1597	rVB	95663	77482	8.19%	0.455%
47	11.498	1597	1600	1603	rBV3	47483	63040	6.67%	0.370%
48	11.633	1619	1623	1625	rBV5	32180	51634	5.46%	0.303%
49	11.680	1629	1631	1634	rVV2	109029	96177	10.17%	0.564%
50	11.721	1635	1638	1644	rVB	65148	68298	7.22%	0.401%
51	11.804	1649	1652	1656	rVB	48408	54929	5.81%	0.322%
52	11.892	1664	1667	1669	rBV	149359	131292	13.88%	0.770%
53	11.921	1669	1672	1677	rVV	194801	196184	20.74%	1.151%
54	11.968	1677	1680	1683	rVV	73127	84675	8.95%	0.497%
55	12.004	1683	1686	1688	rVV2	182571	205725	21.75%	1.207%
56	12.027	1688	1690	1694	rVB	126052	105887	11.20%	0.621%
57	12.092	1698	1701	1704	rVV	84107	76741	8.11%	0.450%
58	12.127	1704	1707	1710	rVB	58883	47579	5.03%	0.279%
59	12.186	1715	1717	1720	rVV2	92722	94474	9.99%	0.554%
60	12.216	1720	1722	1726	rVB2	68089	81128	8.58%	0.476%
61	12.339	1741	1743	1746	rVV	75875	63252	6.69%	0.371%
62	12.368	1746	1748	1751	rVV	114020	111109	11.75%	0.652%
63	12.392	1751	1752	1755	rVB	87207	67498	7.14%	0.396%
64	12.445	1758	1761	1764	rBV	263656	268446	28.38%	1.575%
65	12.480	1764	1767	1770	rVV	172342	201199	21.27%	1.180%
66	12.533	1773	1776	1779	rBV3	114970	130600	13.81%	0.766%
67	12.610	1786	1789	1792	rBV	387324	330725	34.97%	1.940%
68	12.651	1794	1796	1798	rVV	63968	67030	7.09%	0.393%
69	12.704	1802	1805	1807	rBV	107161	89650	9.48%	0.526%
70	12.763	1813	1815	1819	rBV2	51468	69612	7.36%	0.408%
71	12.839	1825	1828	1831	rBV	848182	819077	86.60%	4.805%
72	12.898	1835	1838	1841	rVB	143259	142664	15.08%	0.837%
73	12.980	1849	1852	1860	rVB	578775	609439	64.44%	3.575%
74	13.057	1862	1865	1872	rBV3	130514	211522	22.36%	1.241%
75	13.115	1873	1875	1877	rBV	57141	45378	4.80%	0.266%
76	13.145	1877	1880	1881	rBV3	105084	97816	10.34%	0.574%

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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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
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77	13.215	1890	1892	1894	rBV	75298	64678	6.84%	0.379%
78	13.239	1894	1896	1898	rVV	67206	49162	5.20%	0.288%
79	13.274	1899	1902	1906	rVB	258112	217699	23.02%	1.277%
80	13.368	1915	1918	1920	rVB	206539	164867	17.43%	0.967%
81	13.398	1920	1923	1926	rVB	203223	176533	18.67%	1.036%
82	13.433	1926	1929	1934	rVB3	76334	89521	9.47%	0.525%
83	13.563	1949	1951	1955	rBV4	51661	49148	5.20%	0.288%
84	13.680	1969	1971	1976	rVB	127458	132499	14.01%	0.777%
85	13.745	1979	1982	1985	rVB	94948	81774	8.65%	0.480%
86	13.780	1985	1988	1989	rBV	106360	107286	11.34%	0.629%
87	13.845	1997	1999	2001	rBV	69642	64658	6.84%	0.379%
88	13.892	2005	2007	2010	rVB3	98845	97389	10.30%	0.571%
89	14.045	2028	2033	2036	rBV2	695459	945774	100.00%	5.548%
90	14.074	2036	2038	2045	rVB	302390	279879	29.59%	1.642%
91	14.139	2045	2049	2053	rBV3	105617	166180	17.57%	0.975%
92	14.439	2098	2100	2103	rVB	170876	139138	14.71%	0.816%
93	14.468	2103	2105	2109	rBV	88681	79903	8.45%	0.469%
94	14.562	2119	2121	2123	rBV2	100897	74949	7.92%	0.440%
95	15.109	2210	2214	2217	rBV2	197420	290786	30.75%	1.706%
96	15.421	2264	2267	2274	rVB	173310	241637	25.55%	1.417%
97	15.486	2274	2278	2285	rBV	247544	348402	36.84%	2.044%
98	15.556	2286	2290	2293	rBV	306438	370567	39.18%	2.174%
99	17.098	2548	2552	2559	rVB2	106220	201198	21.27%	1.180%
100	17.568	2628	2632	2641	rVB	165168	334124	35.33%	1.960%

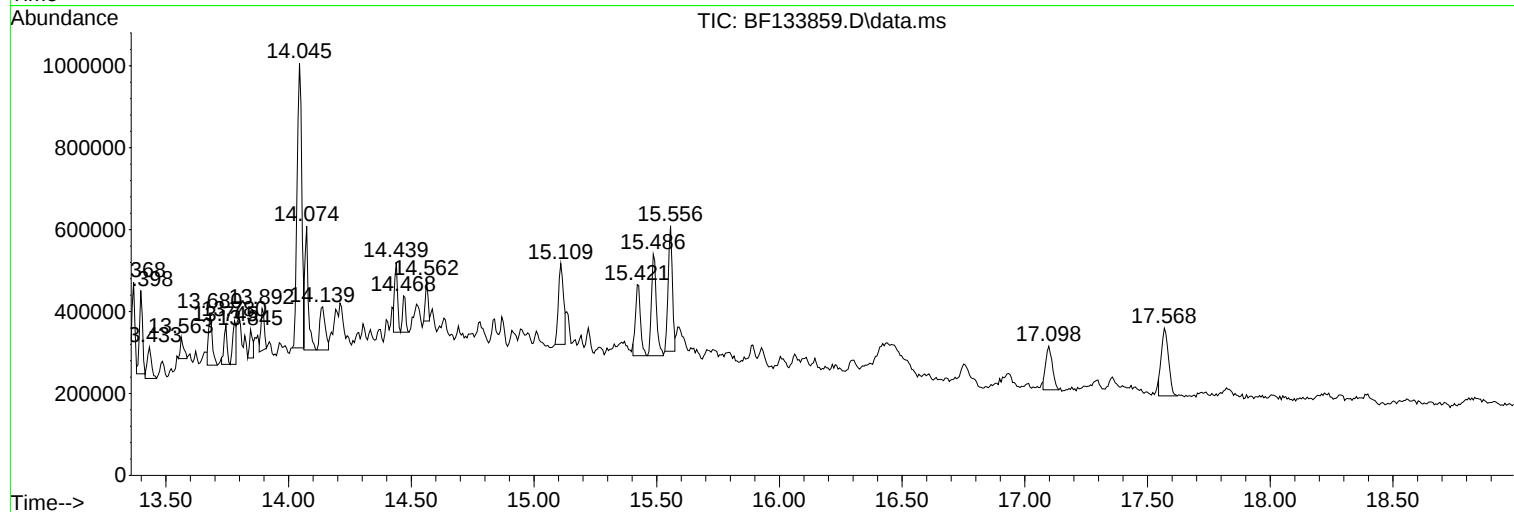
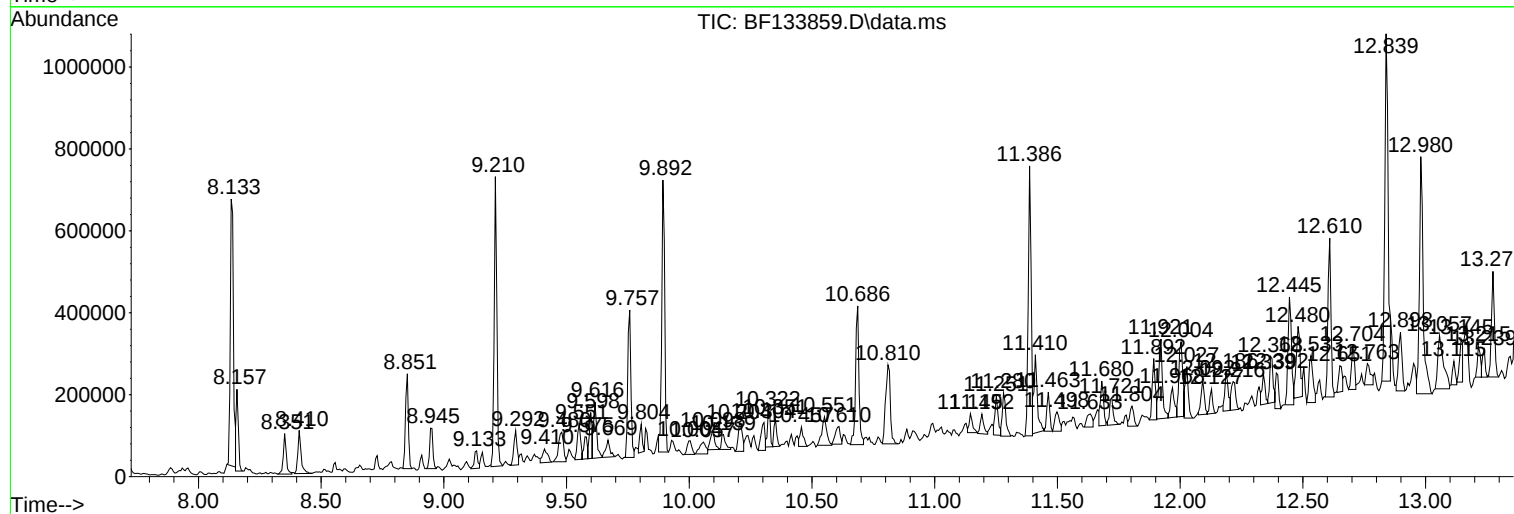
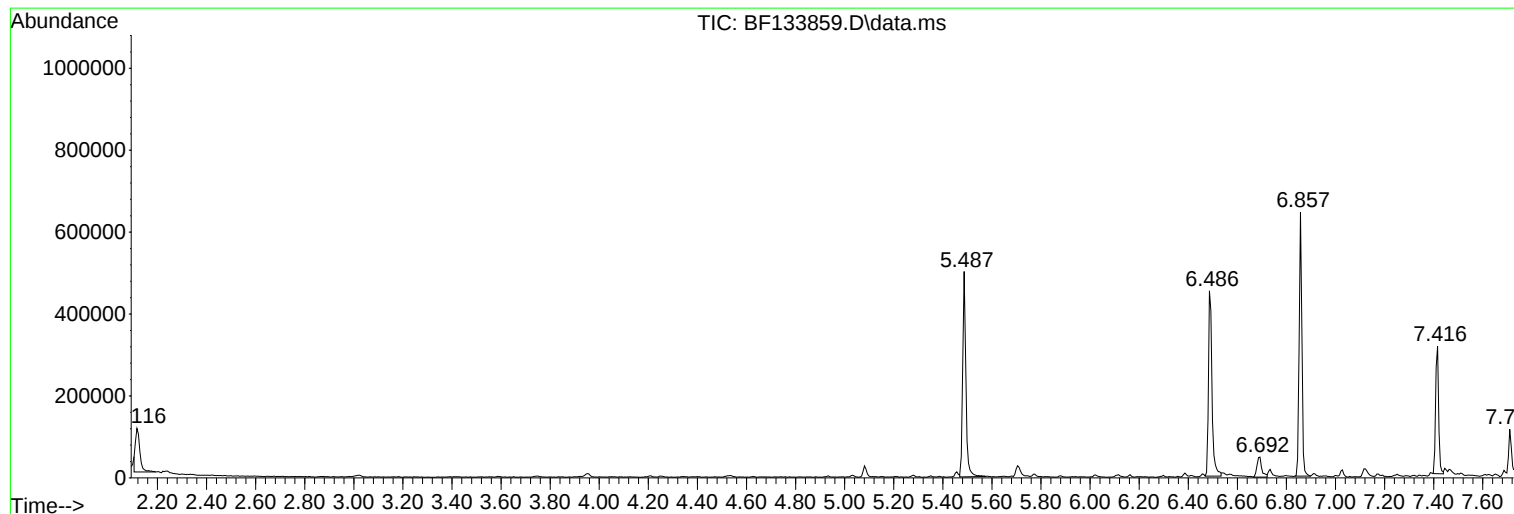
Sum of corrected areas: 17046932

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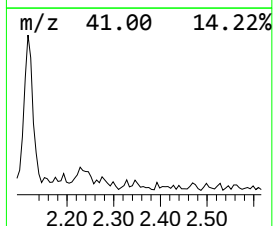
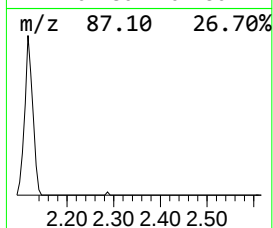
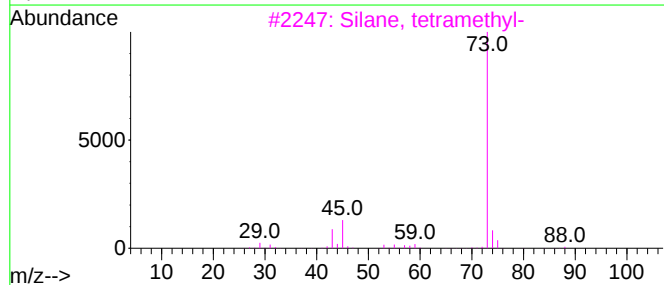
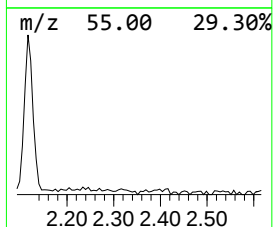
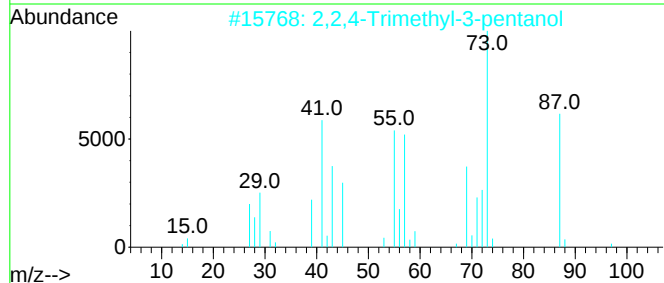
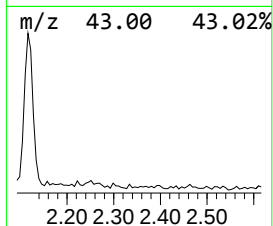
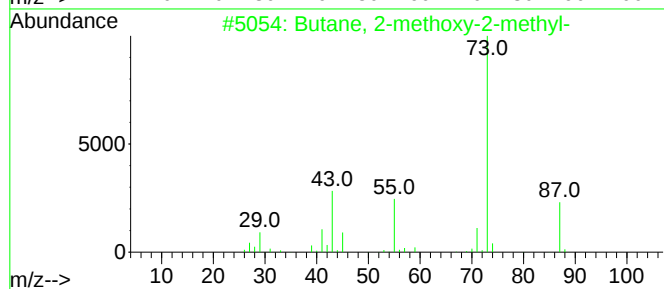
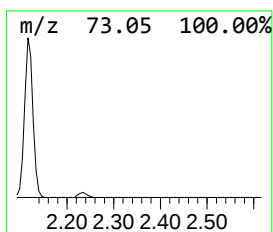
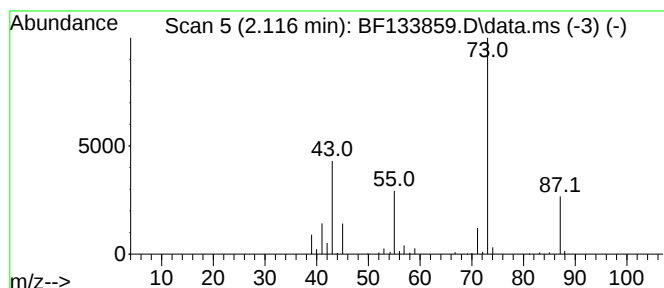
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.116	5.38 ng	135249	1,4-Dichlorobenzene-d4	6.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	50
3			Silane, tetramethyl-	88	C4H12Si	000075-76-3	37
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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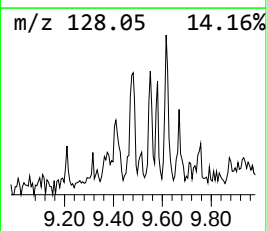
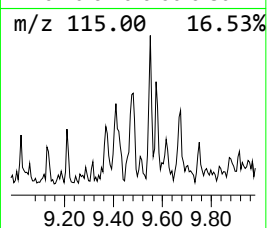
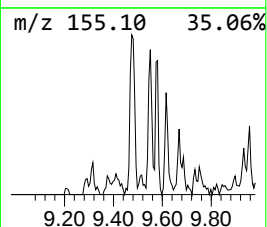
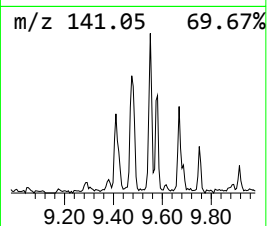
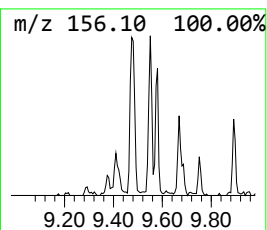
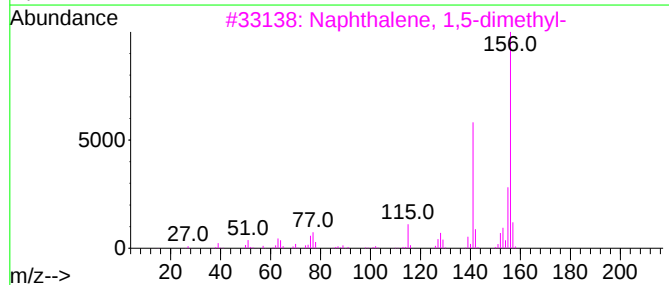
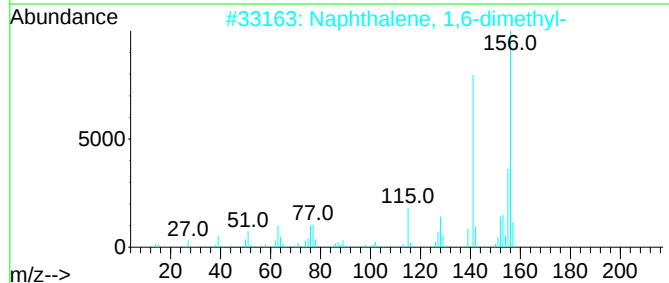
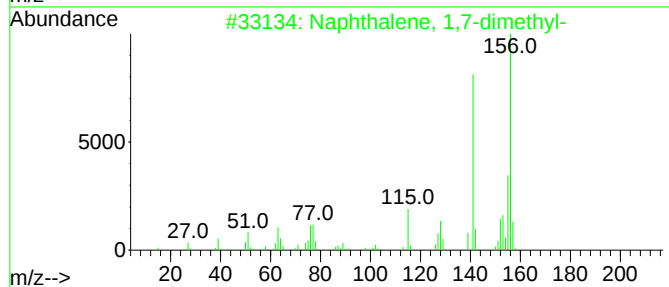
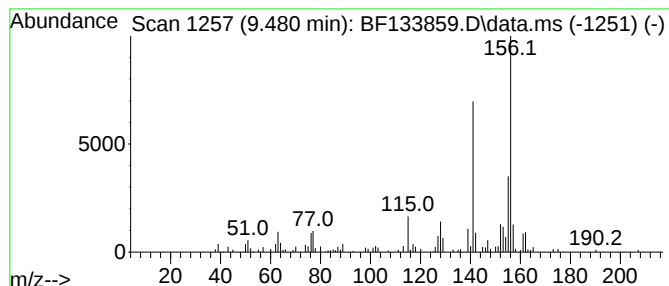
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.480	3.75 ng	103377	Acenaphthene-d10	9.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



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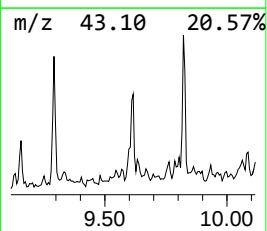
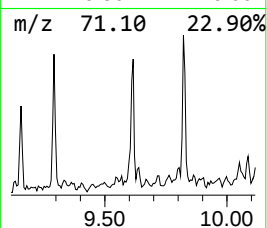
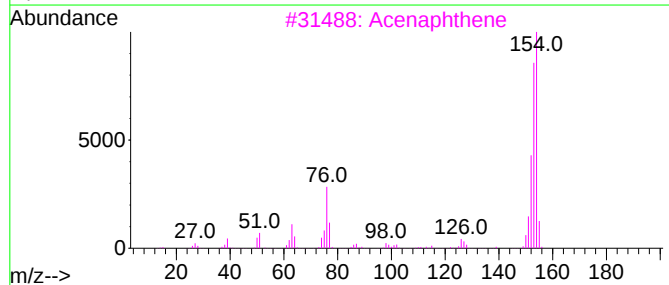
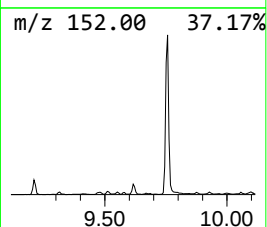
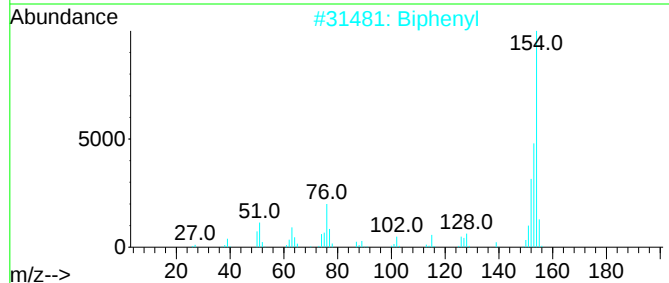
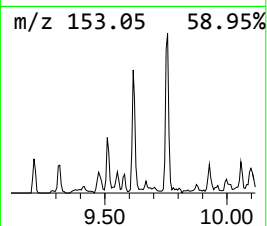
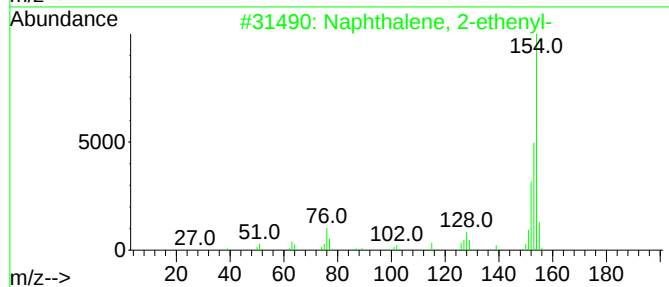
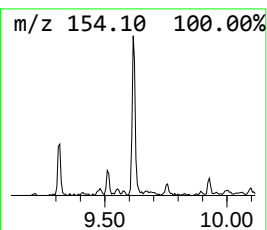
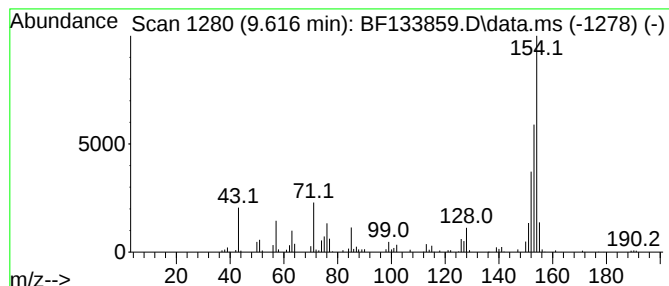
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2-ethenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	4.43 ng	121968	Acenaphthene-d10	9.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	95
2			Biphenyl	154	C12H10	000092-52-4	86
3			Acenaphthene	154	C12H10	000083-32-9	62
4			1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	43
5			3-Quinolines carbonitrile	154	C10H6N2	034846-64-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HYATT-PIPE-TP

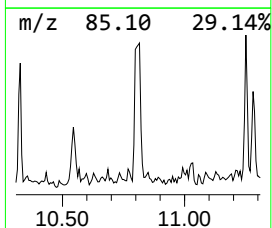
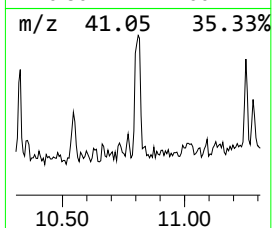
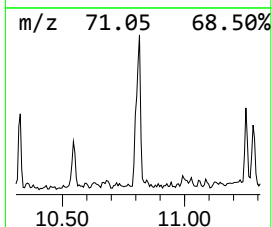
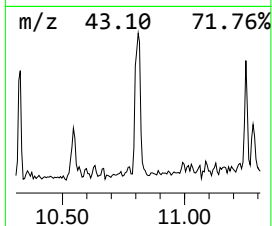
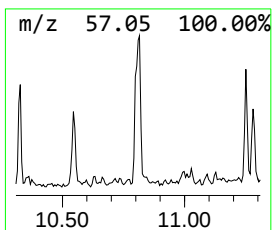
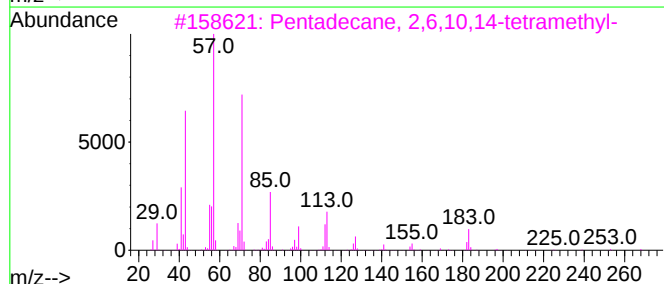
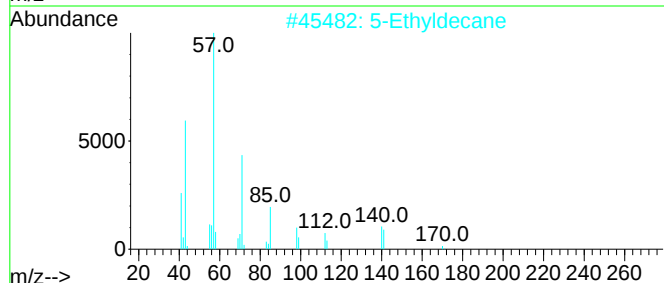
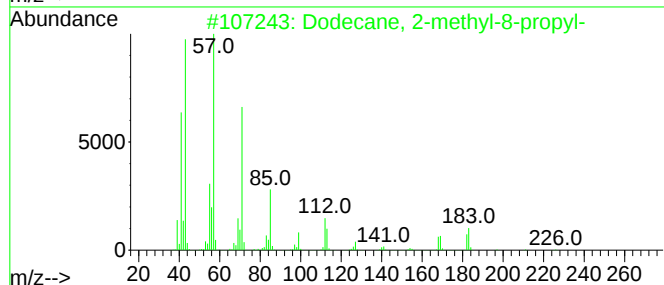
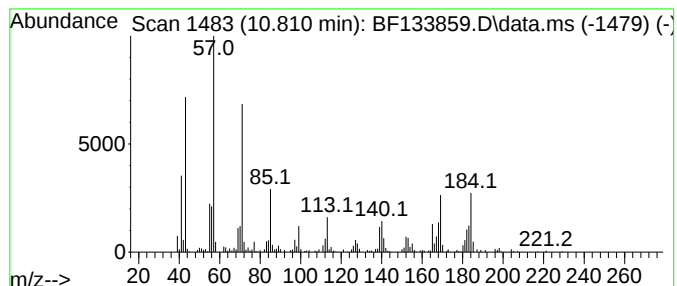
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown10.810 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.810	9.38 ng	254758	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	46
2			5-Ethyldecane	170	C12H26	017302-36-2	42
3			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	41
4			Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	38
5			Decane, 2-methyl-	156	C11H24	006975-98-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
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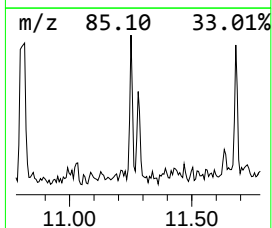
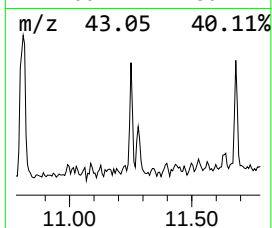
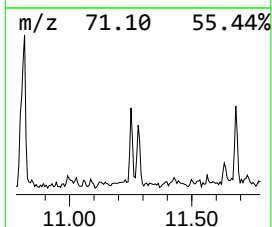
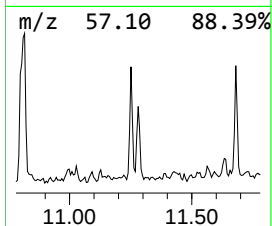
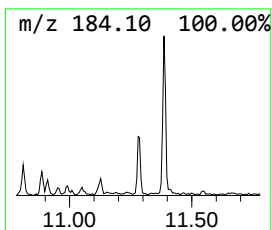
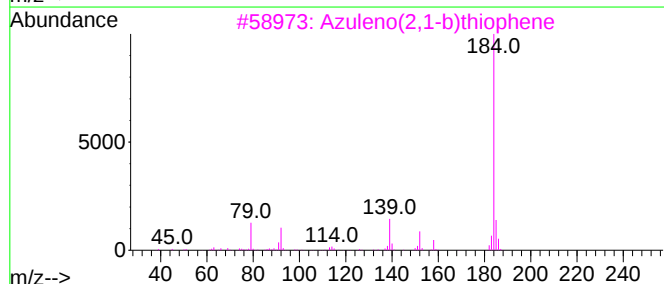
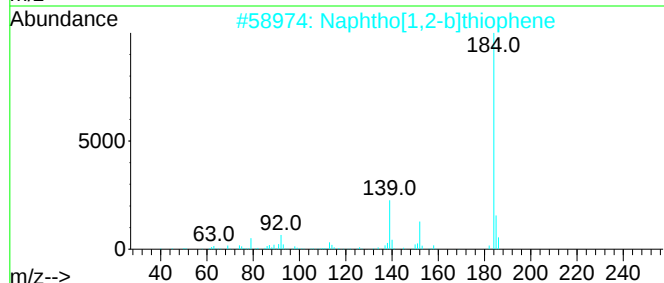
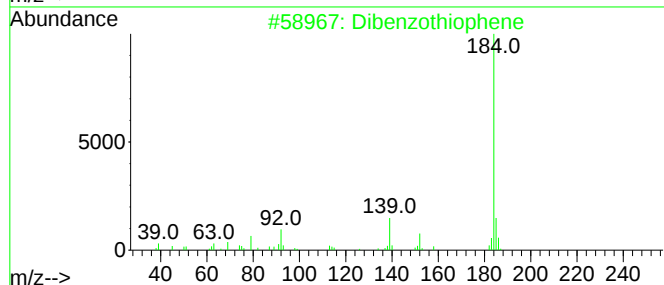
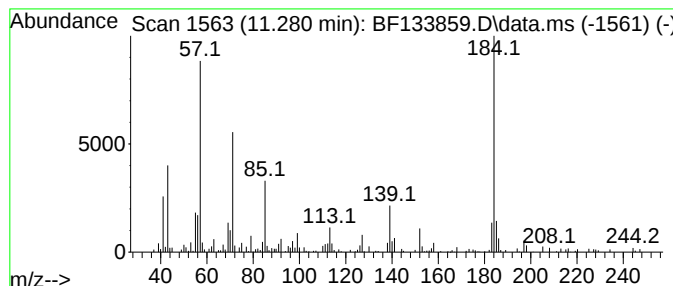
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.280	3.82 ng	103690	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	64
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	60
3			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	58
4			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	58
5			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
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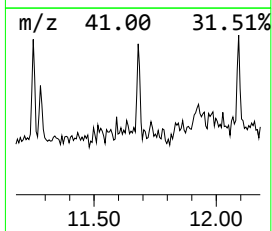
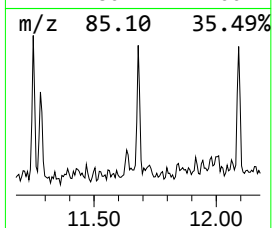
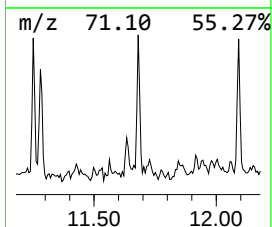
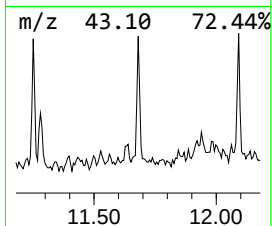
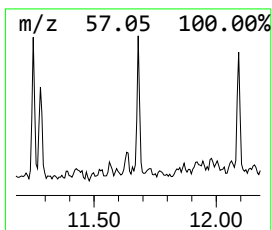
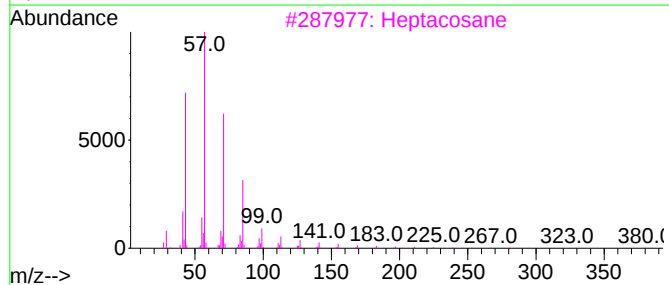
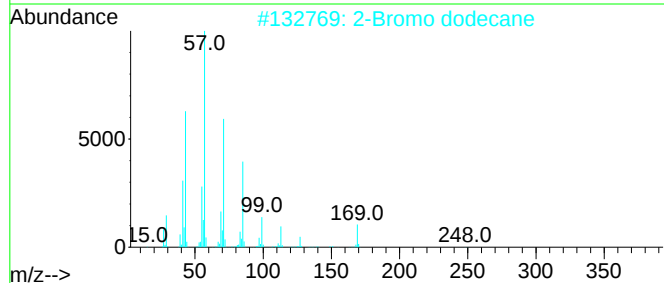
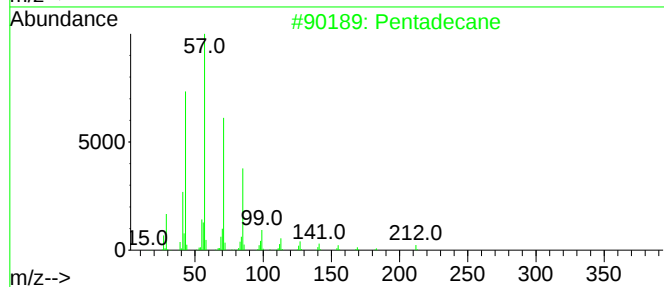
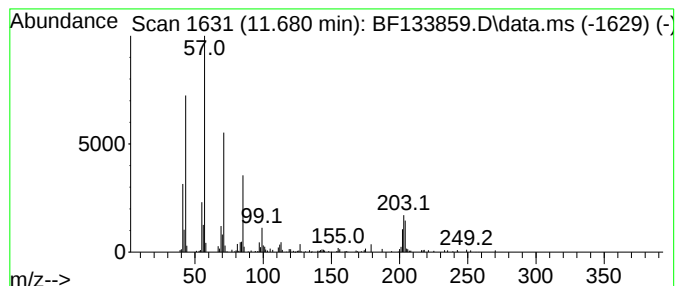
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.680	3.54 ng	96177	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	58
2			2-Bromo dodecane	248	C12H25Br	013187-99-0	58
3			Heptacosane	380	C27H56	000593-49-7	58
4			Octacosane	394	C28H58	000630-02-4	58
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
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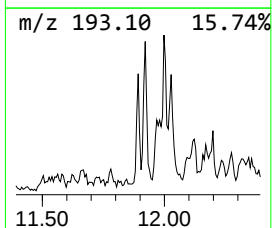
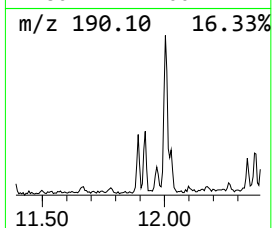
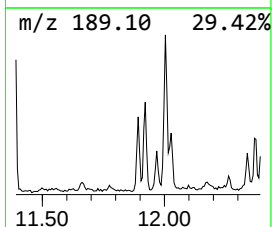
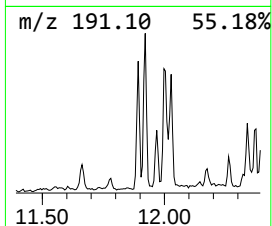
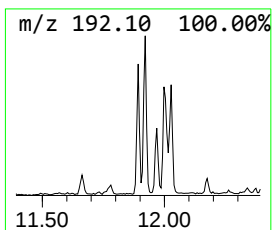
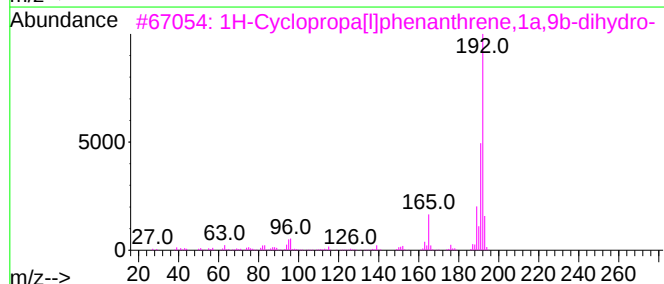
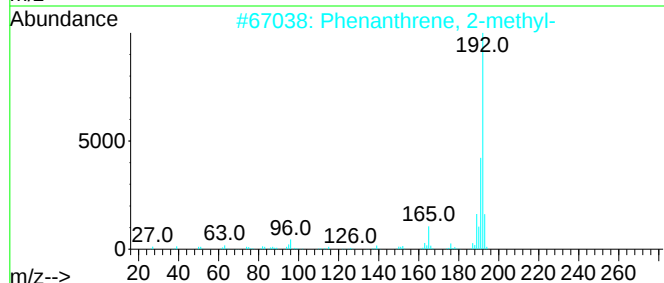
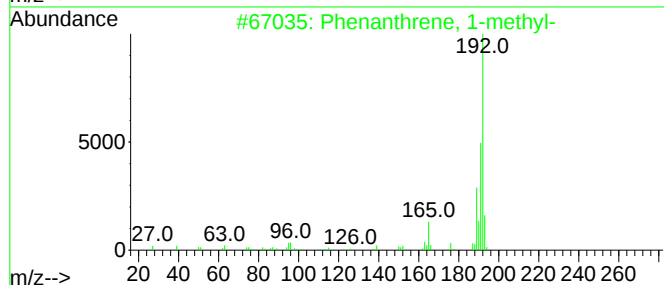
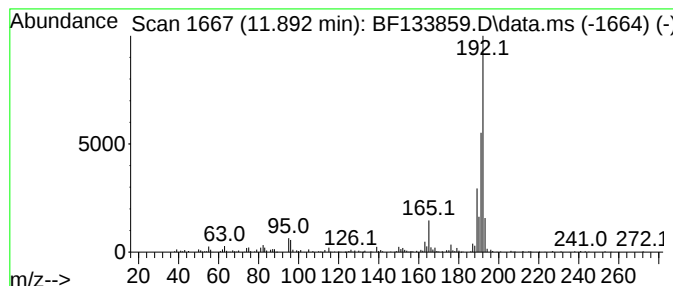
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	4.84 ng	131292	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
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ClientSampleId :
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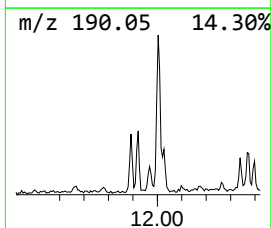
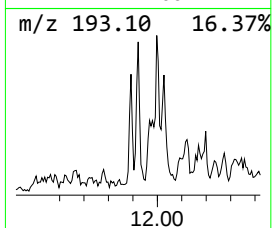
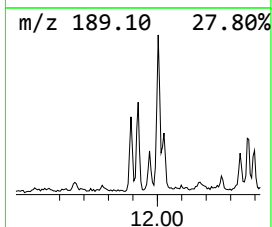
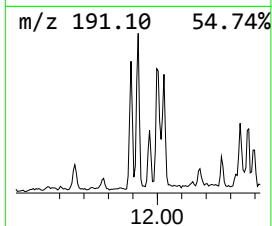
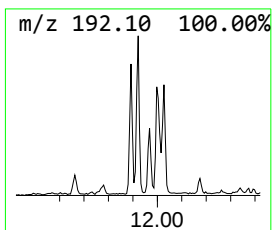
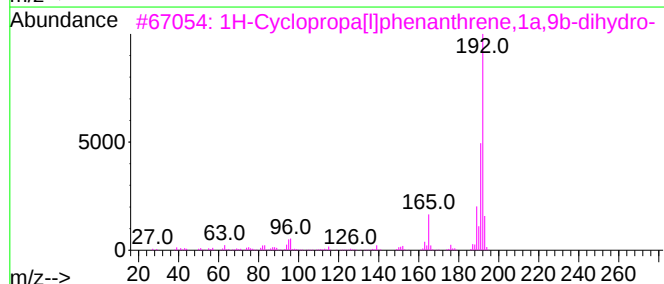
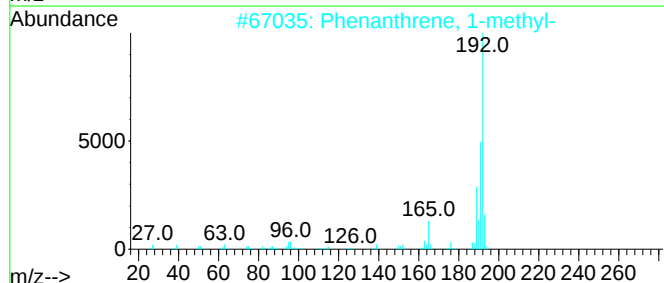
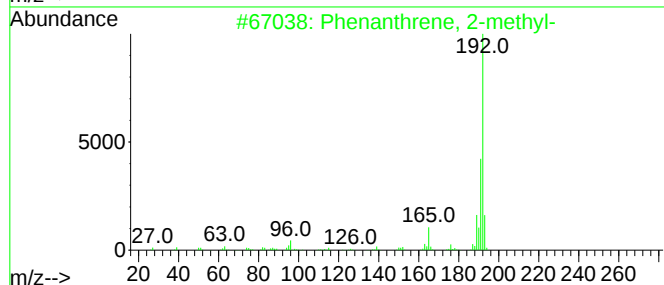
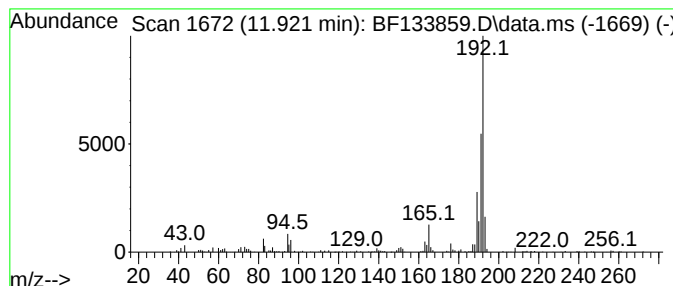
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	7.22 ng	196184	Phenanthrene-d10	11.386

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	96
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
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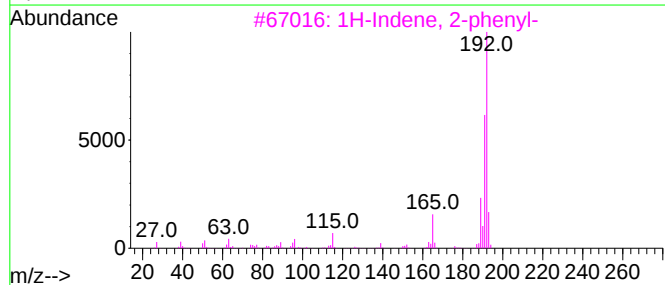
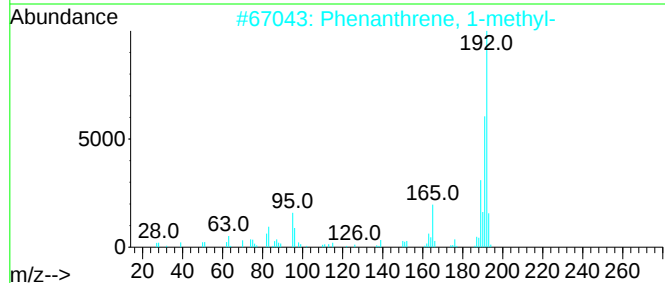
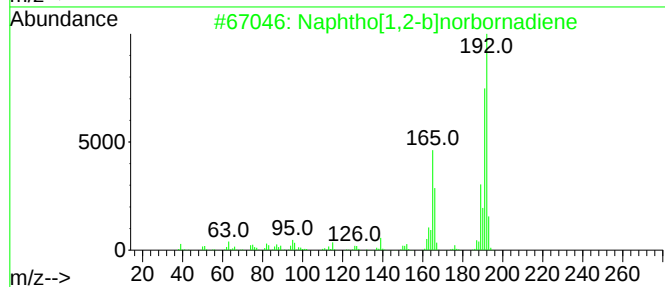
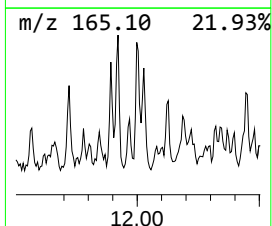
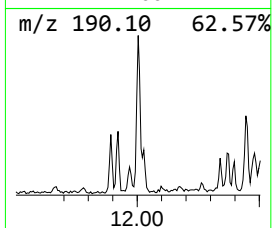
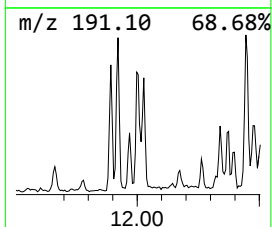
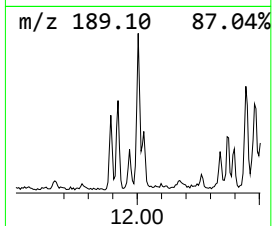
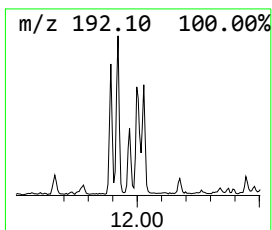
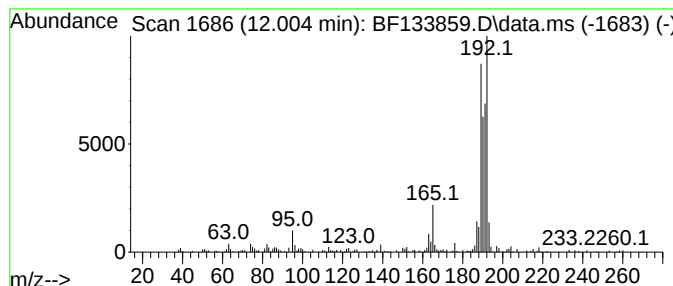
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphtho[1,2-b]norbornadiene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	7.58 ng	205725	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	55
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	55
4			1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
5			8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
HYATT-PIPE-TP

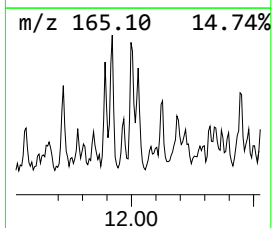
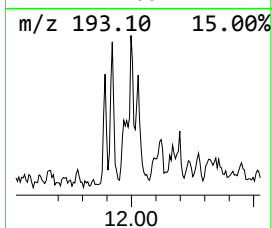
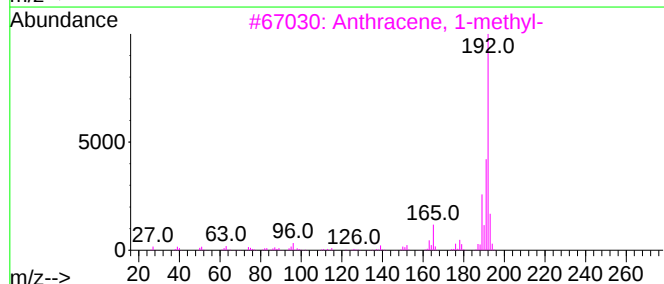
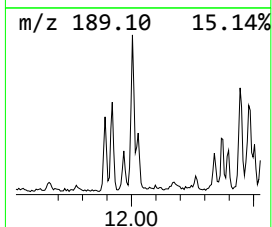
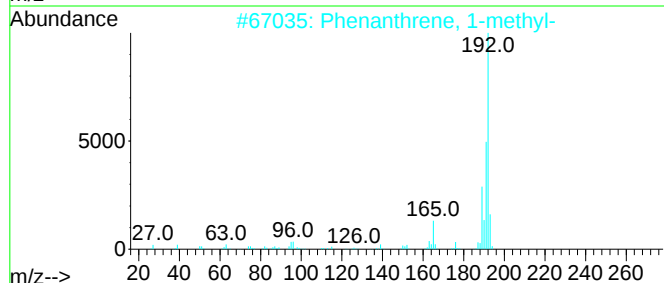
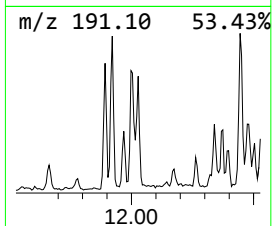
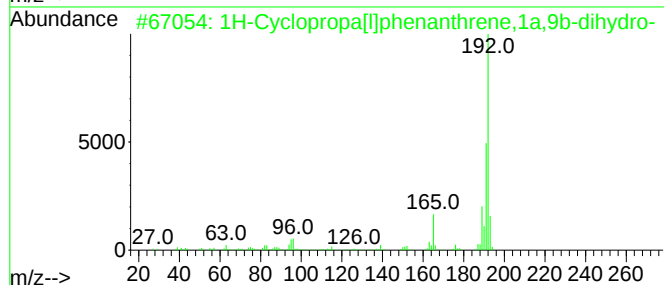
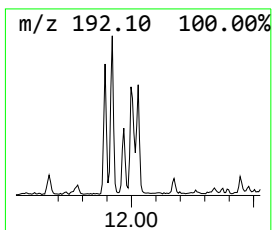
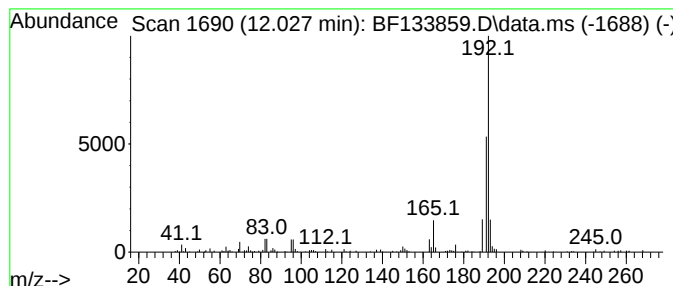
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	3.90 ng	105887	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

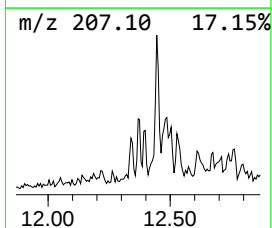
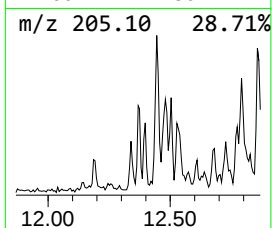
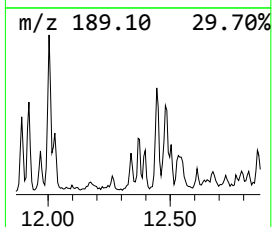
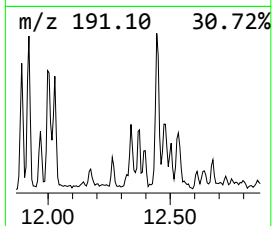
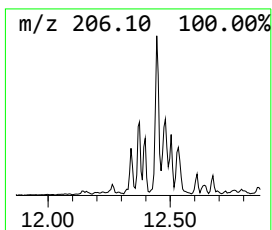
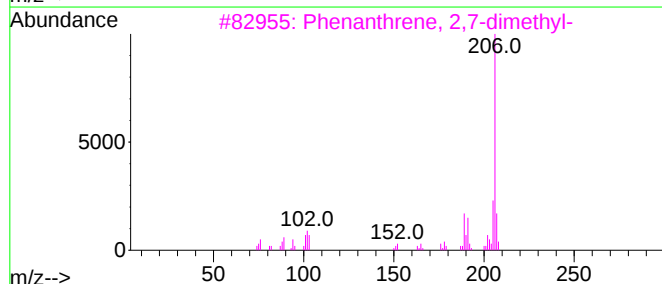
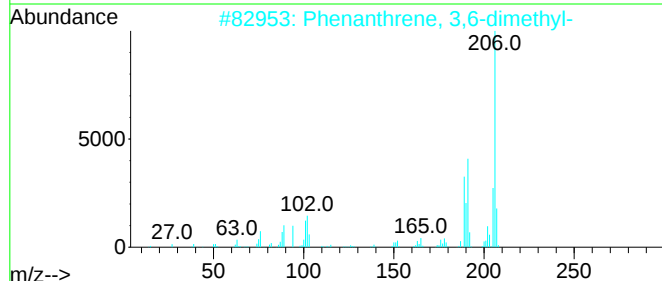
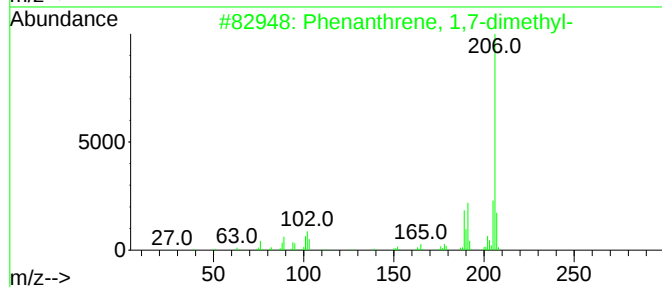
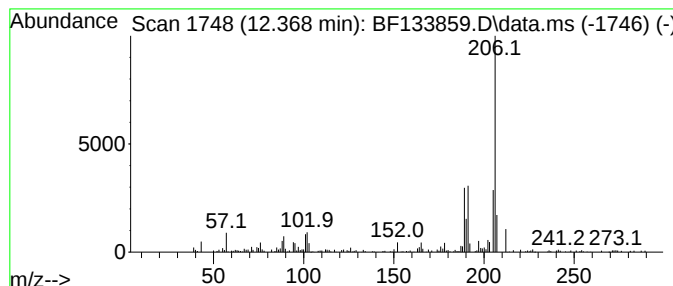
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	4.09 ng	111109	Phenanthrene-d10	11.386

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	93
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	68
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

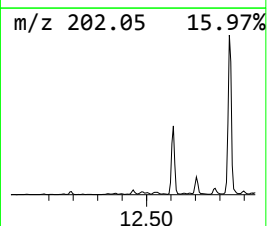
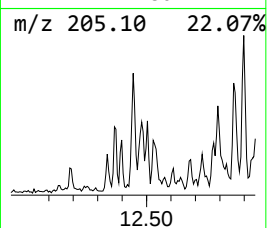
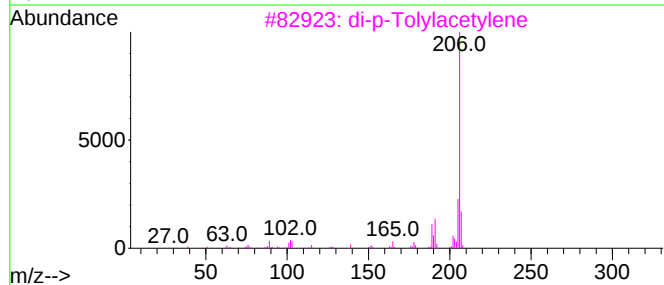
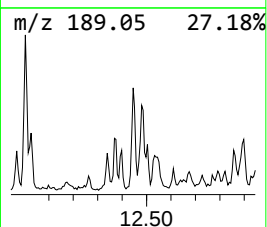
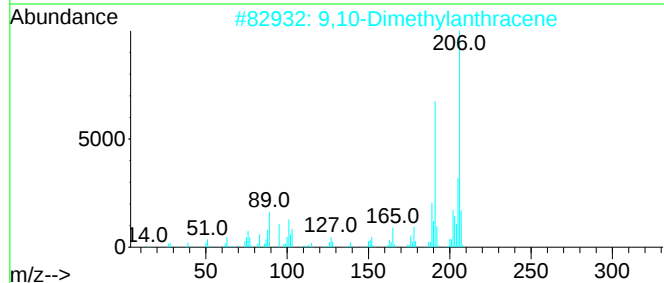
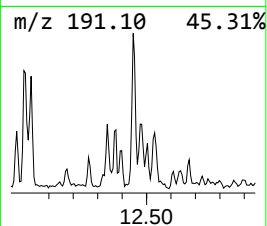
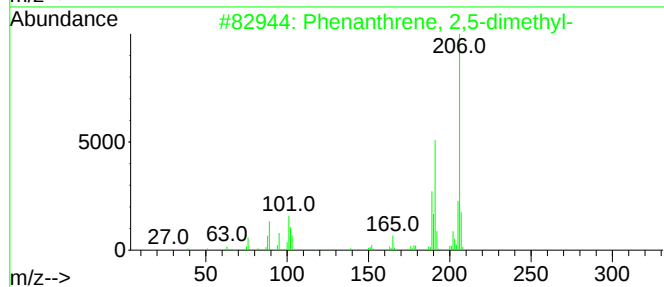
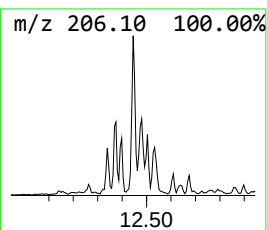
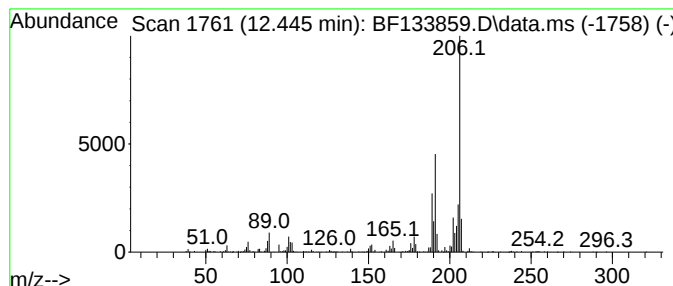
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	9.89 ng	268446	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

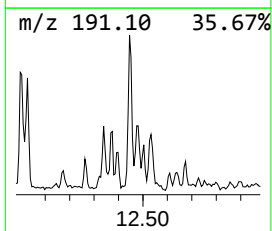
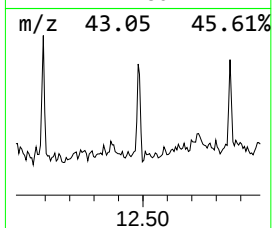
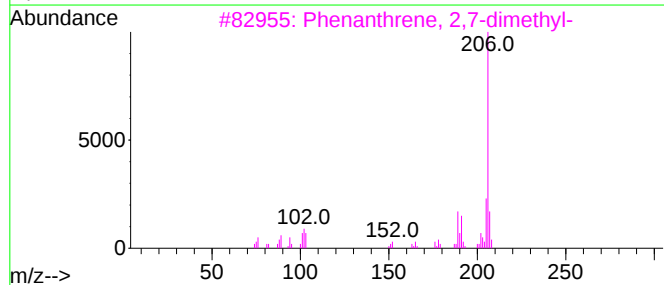
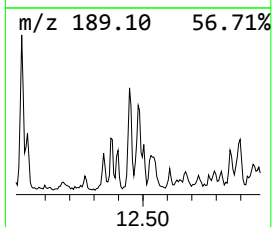
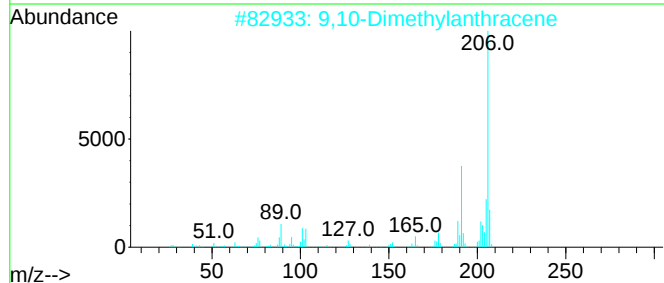
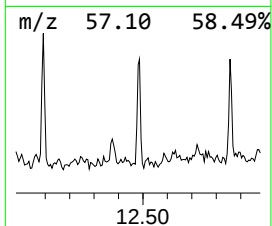
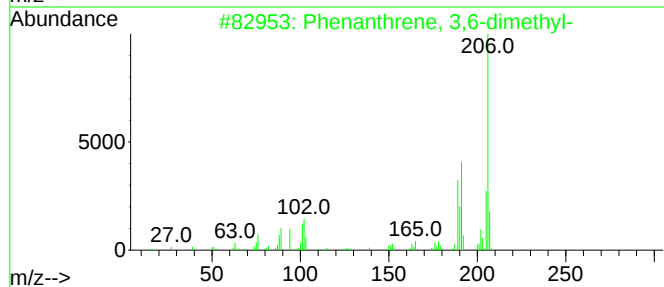
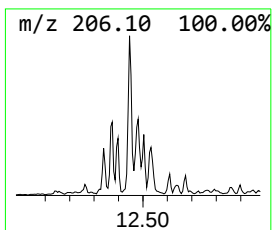
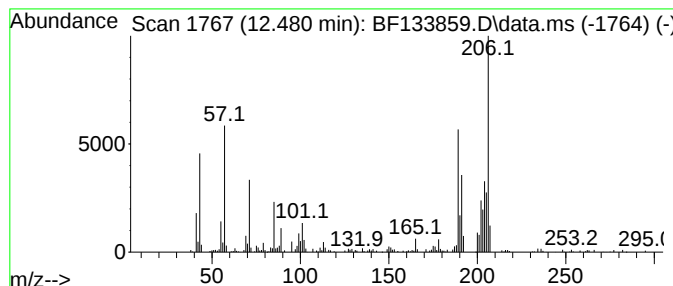
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ClientSampleId :
HYATT-PIPE-TP

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 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.480	7.41 ng	201199	Phenanthrene-d10		11.386	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	78
2	9,10-Dimethylanthracene		206	C16H14	000781-43-1	70
3	Phenanthrene, 2,7-dimethyl-		206	C16H14	001576-69-8	53
4	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	50
5	Phenanthrene, 1,7-dimethyl-		206	C16H14	000483-87-4	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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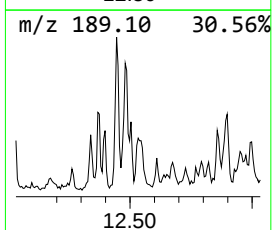
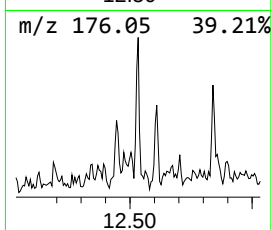
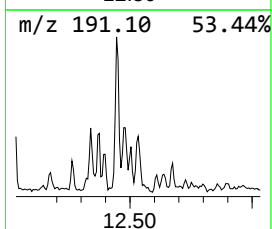
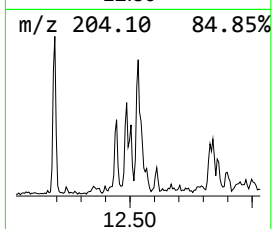
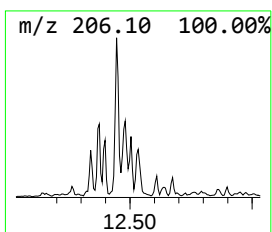
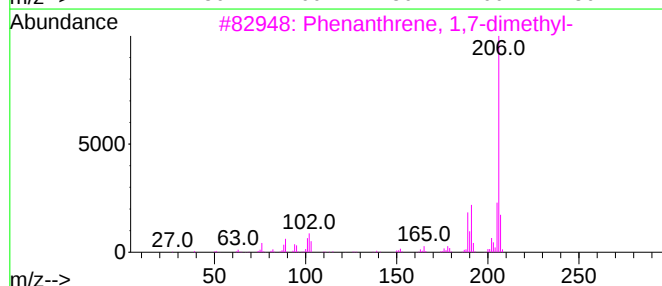
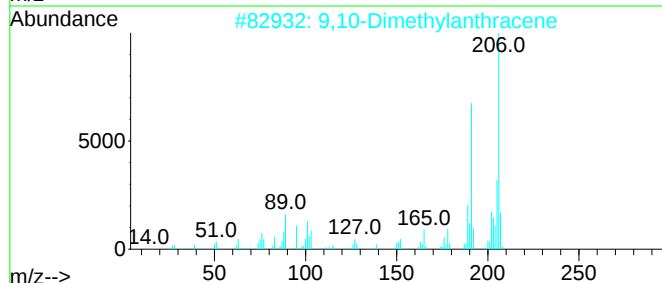
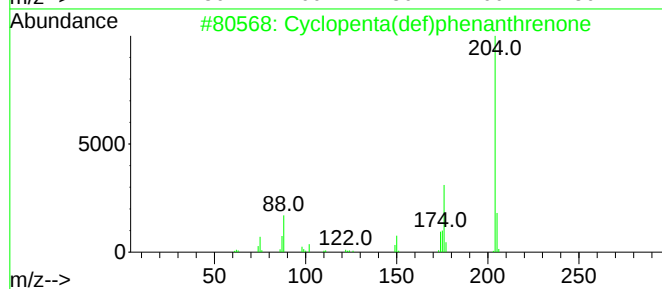
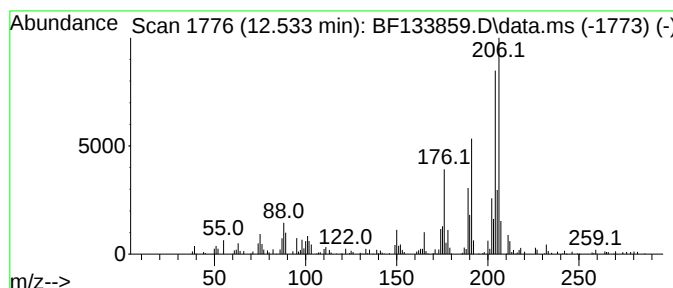
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	4.81 ng	130600	Phenanthrene-d10	11.386

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	64
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	46
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HYATT-PIPE-TP

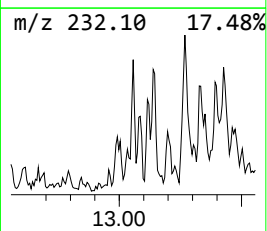
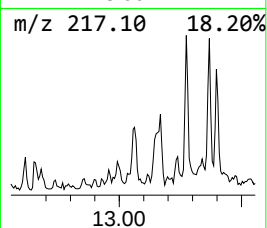
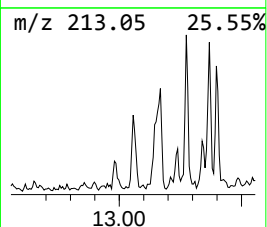
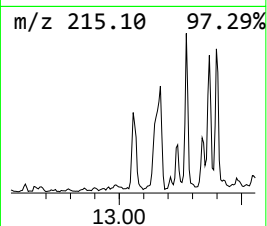
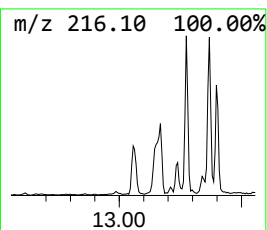
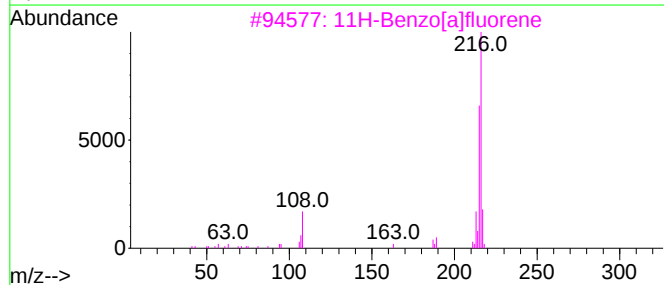
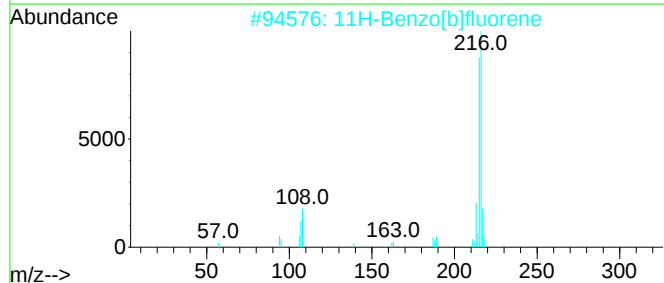
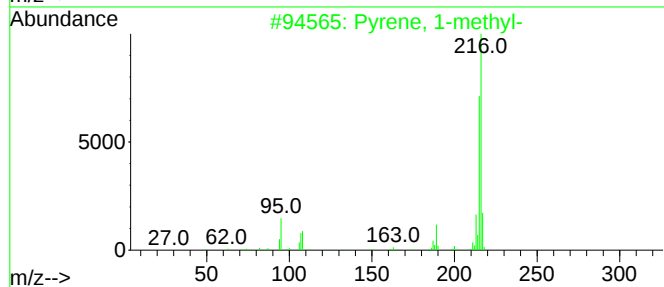
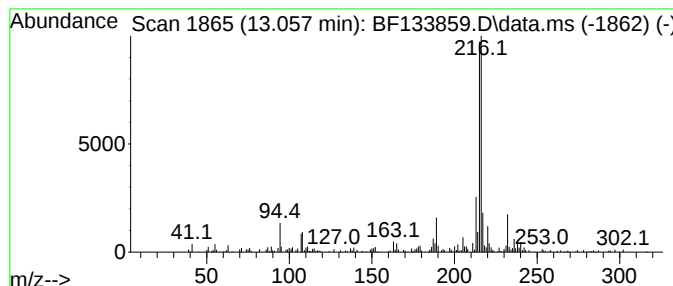
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.057	4.47 ng	211522	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5			Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

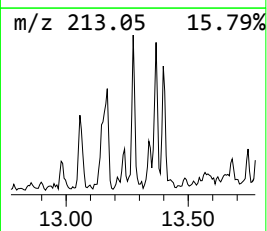
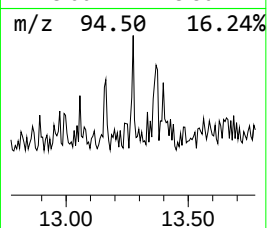
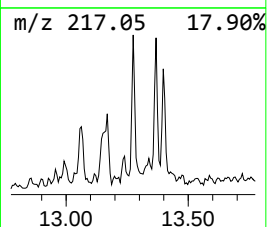
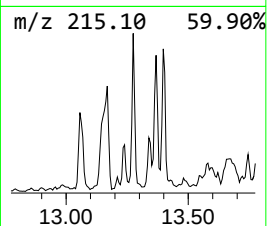
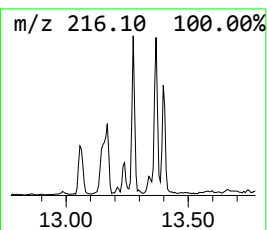
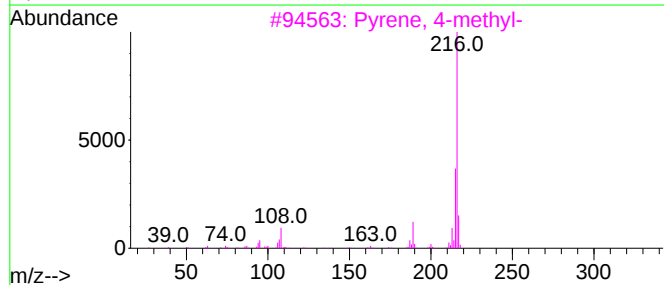
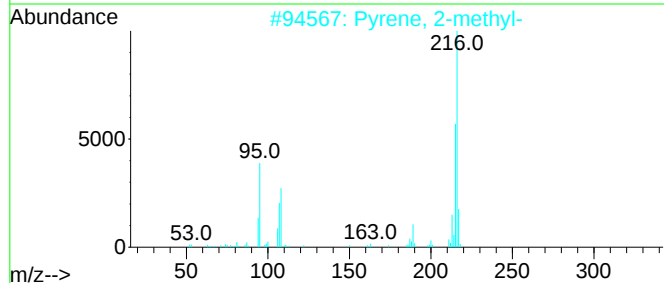
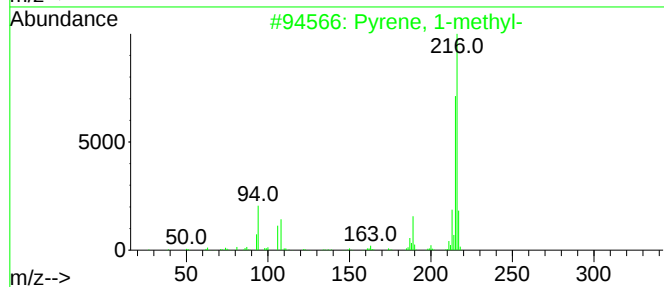
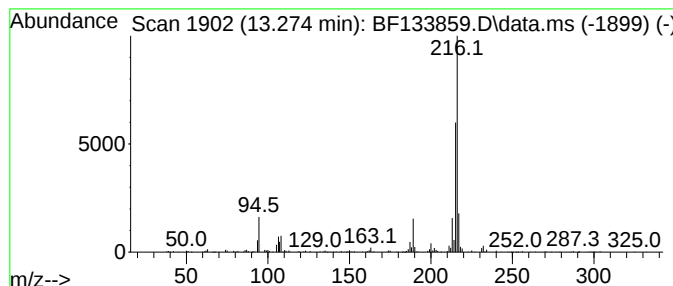
Instrument :
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ClientSampleId :
HYATT-PIPE-TP

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 16 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.274	4.60 ng	217699	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

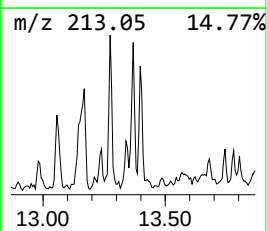
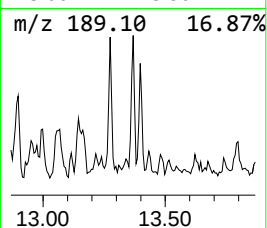
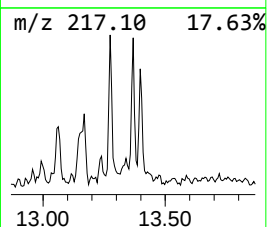
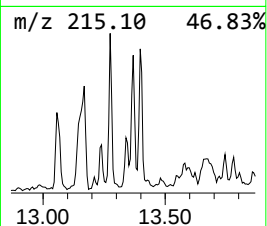
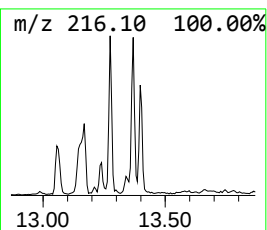
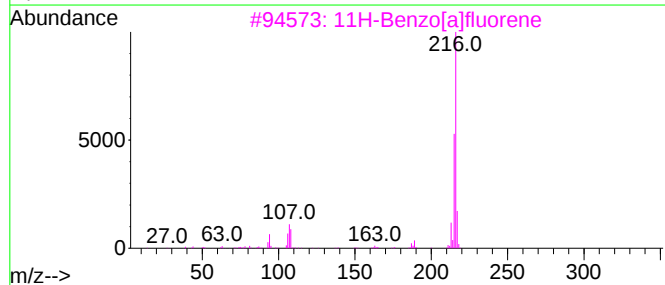
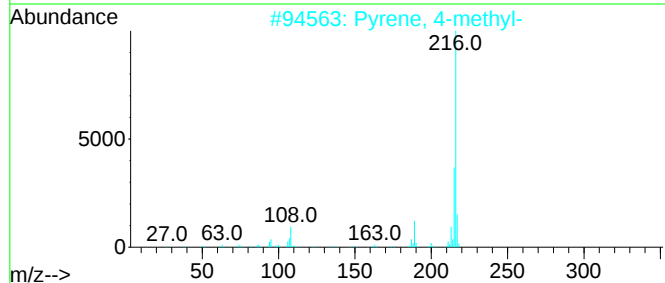
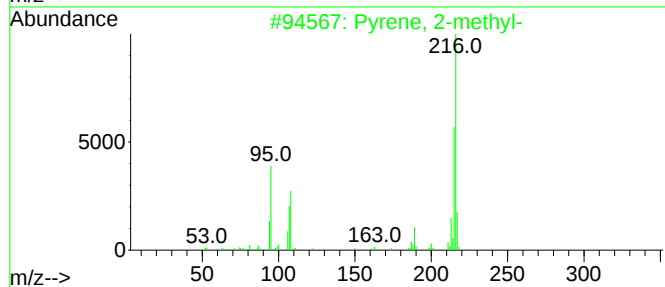
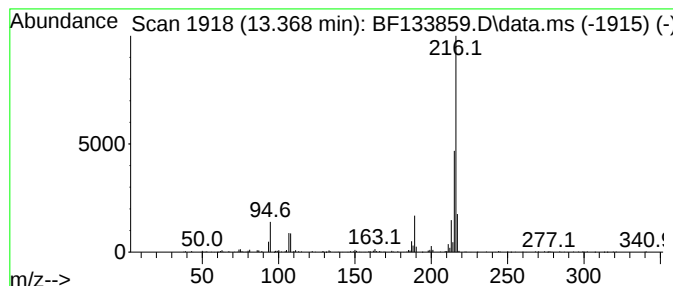
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.368	3.49 ng	164867	Chrysene-d12	14.051

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2		Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		1,2-Difluorostilbene	216	C14H10F2	000643-76-5	64
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

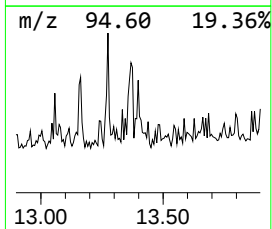
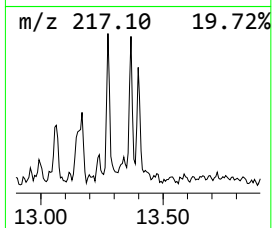
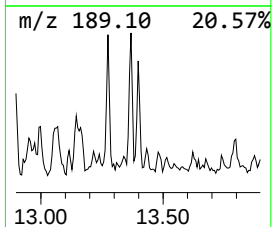
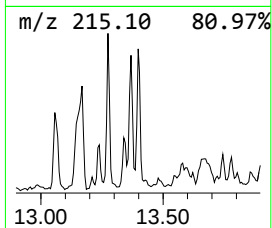
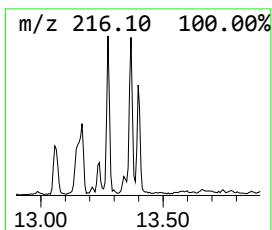
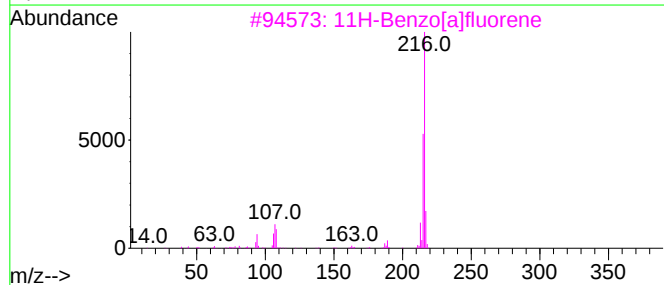
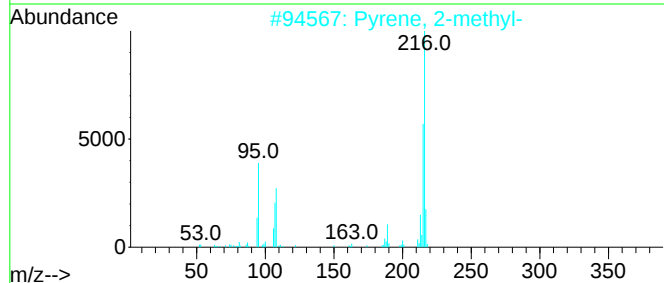
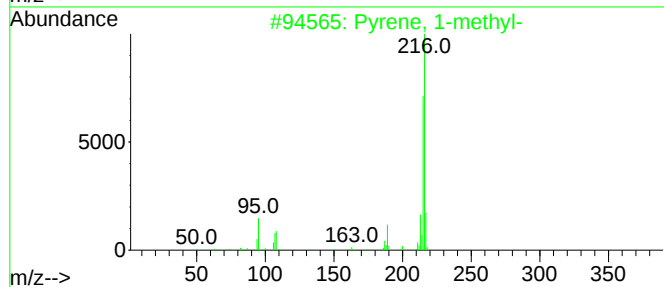
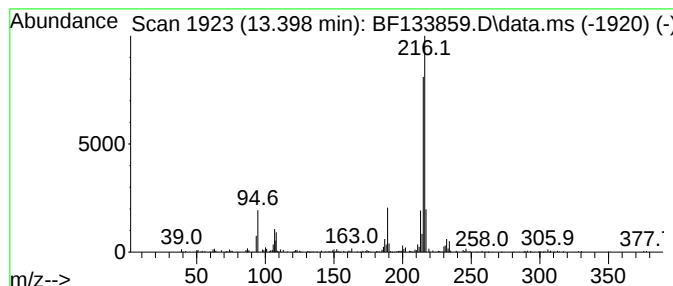
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.398	3.73 ng	176533	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-		216	C17H12		002381-21-7	96
2	Pyrene, 2-methyl-		216	C17H12		003442-78-2	93
3	11H-Benzo[a]fluorene		216	C17H12		000238-84-6	87
4	11H-Benzo[b]fluorene		216	C17H12		000243-17-4	81
5	Fluoranthene, 2-methyl-		216	C17H12		033543-31-6	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

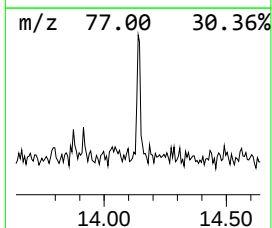
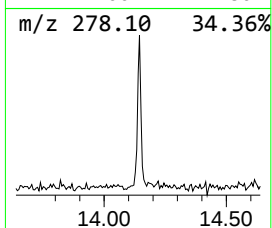
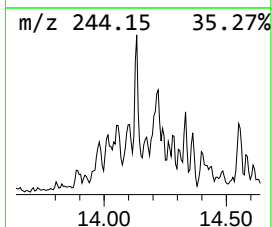
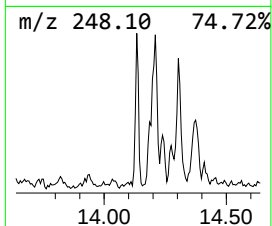
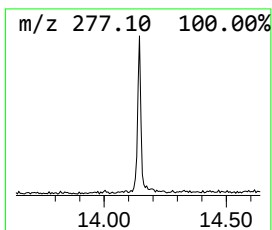
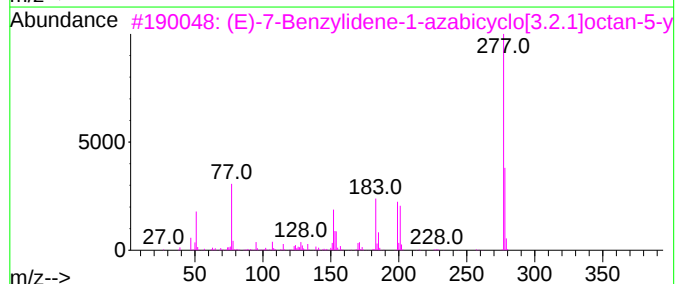
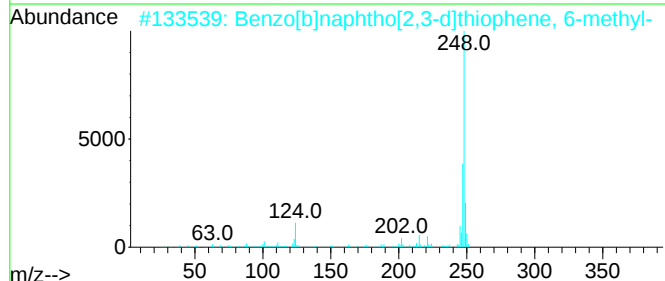
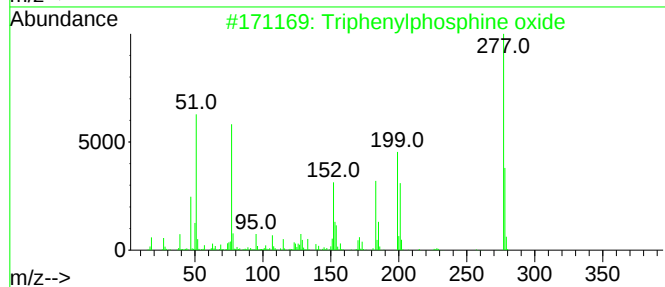
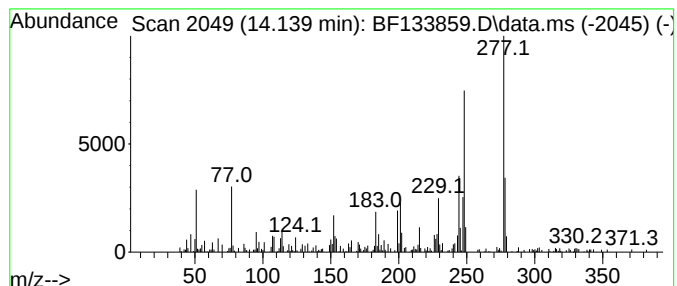
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Triphenylphosphine oxide Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.139	3.51 ng	166180	Chrysene-d12	14.051

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Triphenylphosphine oxide	278	C18H15OP	000791-28-6	55
2		Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	42
3		(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19N03S	1000483-83-4	42
4		10-Methylbenzo[b]naphtho[2,1-d]t...	248	C17H12S	083821-58-3	30
5		2-Methylbenzo[b]naphtho[2,1-d]th...	248	C17H12S	1000326-06-8	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
Data File : BF133859.D
Acq On : 20 Jun 2023 16:41
Operator : CG\JU
Sample : 03214-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

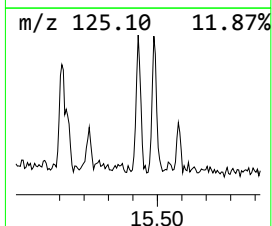
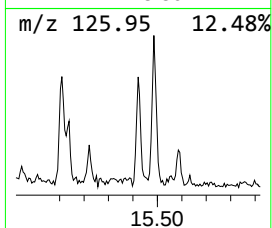
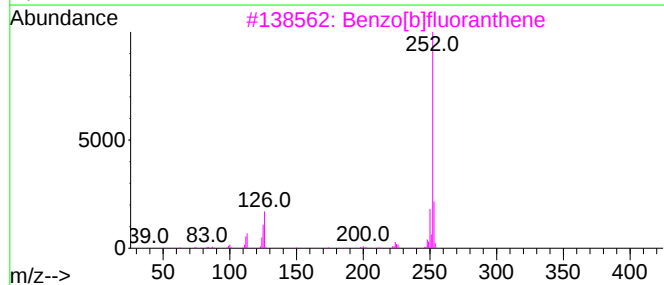
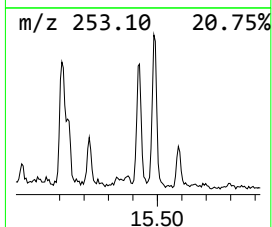
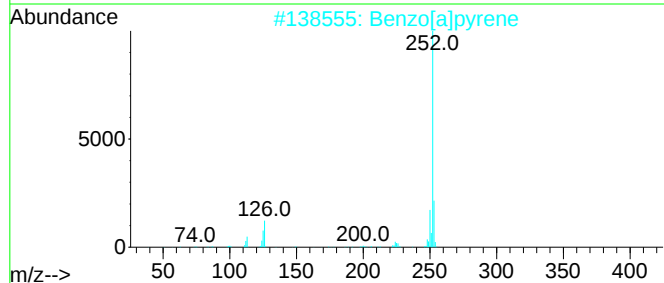
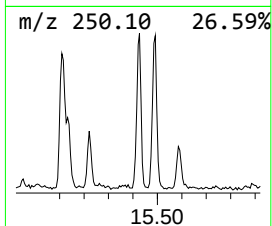
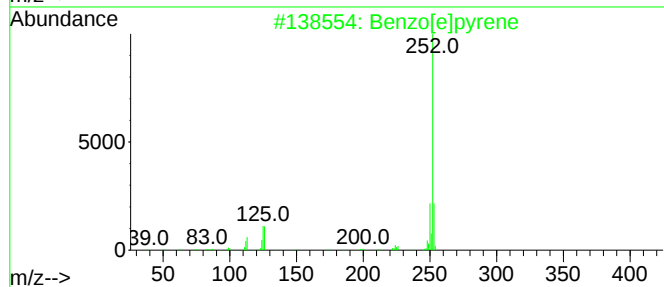
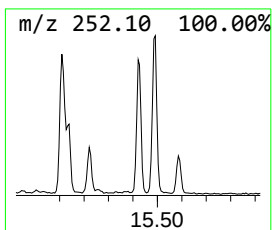
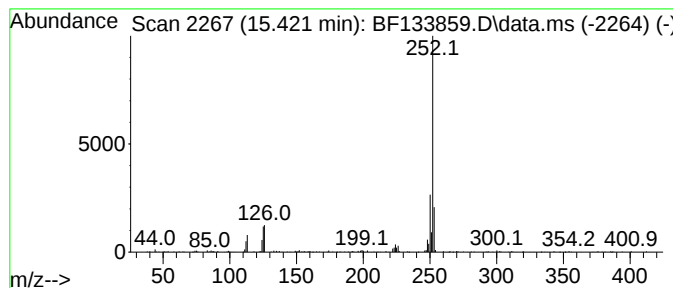
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	13.04 ng	241637	Perylene-d12	15.557

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	94
2			Benzo[a]pyrene	252	C20H12	000050-32-8	94
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5			Perylene	252	C20H12	000198-55-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133859.D
 Acq On : 20 Jun 2023 16:41
 Operator : CG\JU
 Sample : 03214-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HYATT-PIPE-TP

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.116	5.4	ng	135249	1	6.857	502564	20.0
Naphthalene, 1,...	9.480	3.8	ng	103377	3	9.892	551000	20.0
Naphthalene, 2-...	9.616	4.4	ng	121968	3	9.892	551000	20.0
unknown10.810	10.810	9.4	ng	254758	4	11.386	543073	20.0
Dibenzothiophene	11.280	3.8	ng	103690	4	11.386	543073	20.0
Pentadecane	11.680	3.5	ng	96177	4	11.386	543073	20.0
Phenanthrene, 1...	11.892	4.8	ng	131292	4	11.386	543073	20.0
Phenanthrene, 2...	11.921	7.2	ng	196184	4	11.386	543073	20.0
Naphtho[1,2-b]n...	12.004	7.6	ng	205725	4	11.386	543073	20.0
1H-Cyclopropa[1...	12.027	3.9	ng	105887	4	11.386	543073	20.0
Phenanthrene, 1...	12.368	4.1	ng	111109	4	11.386	543073	20.0
Phenanthrene, 2...	12.445	9.9	ng	268446	4	11.386	543073	20.0
Phenanthrene, 3...	12.480	7.4	ng	201199	4	11.386	543073	20.0
Cyclopenta(def)...	12.533	4.8	ng	130600	4	11.386	543073	20.0
Pyrene, 1-methyl-	13.057	4.5	ng	211522	5	14.051	945774	20.0
Pyrene, 2-methyl-	13.274	4.6	ng	217699	5	14.051	945774	20.0
Pyrene, 4-methyl-	13.368	3.5	ng	164867	5	14.051	945774	20.0
11H-Benzo[a]flu...	13.398	3.7	ng	176533	5	14.051	945774	20.0
Triphenylphosph...	14.139	3.5	ng	166180	5	14.051	945774	20.0
Benzo[e]pyrene	15.421	13.0	ng	241637	6	15.557	370567	20.0