

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132633.D
 Acq On : 03 Mar 2023 17:33
 Operator : CG\JU
 Sample : 01770-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

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-BF022223.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132633.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.234	445	450	461	rVB	1419235	1769442	48.13%	3.663%
2	5.628	512	517	520	rBV	3918721	3676514	100.00%	7.611%
3	6.628	682	687	690	rBV	3339661	3498940	95.17%	7.244%
4	6.998	747	750	754	rBV	1279564	1042830	28.36%	2.159%
5	7.563	842	846	849	rBV	2642868	2295487	62.44%	4.752%
6	8.286	965	969	971	rBV	1472238	1196761	32.55%	2.478%
7	8.304	971	972	977	rVB	70347	46733	1.27%	0.097%
8	8.998	1087	1090	1093	rBV	70205	54487	1.48%	0.113%
9	9.098	1101	1107	1110	rBV	50787	40162	1.09%	0.083%
10	9.357	1147	1151	1155	rBV	3856675	3437082	93.49%	7.115%
11	9.463	1166	1169	1173	rVB	55050	48717	1.33%	0.101%
12	9.627	1191	1197	1200	rBV	57576	79182	2.15%	0.164%
13	9.698	1206	1209	1212	rBV	89651	89042	2.42%	0.184%
14	9.727	1212	1214	1216	rVB	55125	41140	1.12%	0.085%
15	9.816	1226	1229	1231	rBV	52773	45425	1.24%	0.094%
16	9.904	1241	1244	1248	rBV	148082	125470	3.41%	0.260%
17	10.022	1260	1264	1265	rBV	63925	50923	1.39%	0.105%
18	10.045	1265	1268	1271	rVV	1353809	1100695	29.94%	2.279%
19	10.080	1271	1274	1277	rVB	454730	376796	10.25%	0.780%
20	10.145	1282	1285	1289	rVV	31786	41753	1.14%	0.086%
21	10.204	1289	1295	1299	rVV2	40508	61501	1.67%	0.127%
22	10.251	1299	1303	1306	rVV	263890	241635	6.57%	0.500%
23	10.286	1306	1309	1313	rVB	55843	52770	1.44%	0.109%
24	10.357	1318	1321	1324	rBV2	49827	53739	1.46%	0.111%
25	10.386	1324	1326	1331	rVB	46704	42777	1.16%	0.089%
26	10.451	1331	1337	1339	rBV2	48667	65508	1.78%	0.136%
27	10.598	1358	1362	1367	rVB	454253	412300	11.21%	0.854%
28	10.680	1374	1376	1378	rVB	94450	70001	1.90%	0.145%
29	10.757	1386	1389	1392	rVB2	175996	177752	4.83%	0.368%
30	10.839	1399	1403	1407	rBV	2108399	1896226	51.58%	3.926%
31	10.945	1417	1421	1429	rVB5	74724	123478	3.36%	0.256%
32	11.145	1448	1455	1458	rBV3	93357	121892	3.32%	0.252%
33	11.227	1466	1469	1472	rVB2	42581	46212	1.26%	0.096%
34	11.274	1472	1477	1478	rBV3	58789	77928	2.12%	0.161%
35	11.298	1478	1481	1485	rVV3	72642	93776	2.55%	0.194%
36	11.345	1486	1489	1493	rVV2	54158	64752	1.76%	0.134%

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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-BF022223.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.386	1493	1496	1502	rVV3	78524	129598	3.53%	0.268%
38	11.439	1502	1505	1510	rVB	165161	145570	3.96%	0.301%
39	11.545	1519	1523	1524	rBV	1041276	972875	26.46%	2.014%
40	11.569	1524	1527	1530	rVV	1990357	1639845	44.60%	3.395%
41	11.616	1530	1535	1538	rVV	414645	382838	10.41%	0.793%
42	11.645	1538	1540	1544	rVB2	39902	49859	1.36%	0.103%
43	11.774	1557	1562	1567	rBV2	100360	144757	3.94%	0.300%
44	11.874	1576	1579	1584	rVB2	61089	58015	1.58%	0.120%
45	12.051	1605	1609	1611	rBV2	311040	395879	10.77%	0.820%
46	12.074	1611	1613	1617	rVB	377158	291781	7.94%	0.604%
47	12.121	1618	1621	1624	rVB	133590	103063	2.80%	0.213%
48	12.163	1624	1628	1630	rBV2	376767	434580	11.82%	0.900%
49	12.339	1655	1658	1661	rBV	169586	152728	4.15%	0.316%
50	12.368	1661	1663	1667	rVB2	148856	120286	3.27%	0.249%
51	12.521	1686	1689	1691	rVB	60705	48046	1.31%	0.099%
52	12.545	1691	1693	1696	rVB2	60202	52205	1.42%	0.108%
53	12.598	1698	1702	1705	rBV	187760	205277	5.58%	0.425%
54	12.639	1705	1709	1711	rVV2	81971	118508	3.22%	0.245%
55	12.657	1711	1712	1714	rVB	80133	39248	1.07%	0.081%
56	12.686	1714	1717	1722	rBV2	131574	151817	4.13%	0.314%
57	12.768	1727	1731	1734	rBV	2192606	1947778	52.98%	4.032%
58	12.804	1734	1737	1739	rBV2	52187	42875	1.17%	0.089%
59	12.827	1739	1741	1743	rBV2	55311	38629	1.05%	0.080%
60	12.863	1743	1747	1749	rVB	114746	116495	3.17%	0.241%
61	12.892	1749	1752	1754	rBV2	41651	41368	1.13%	0.086%
62	12.921	1754	1757	1759	rBV	65664	63203	1.72%	0.131%
63	12.998	1767	1770	1775	rVB	1811614	1703587	46.34%	3.527%
64	13.045	1775	1778	1782	rVB2	117030	126601	3.44%	0.262%
65	13.133	1786	1793	1797	rBV	3234432	3072993	83.58%	6.362%
66	13.210	1802	1806	1811	rBV2	160136	281922	7.67%	0.584%
67	13.304	1818	1822	1823	rBV3	140205	173176	4.71%	0.359%
68	13.327	1823	1826	1828	rVB	299703	289542	7.88%	0.599%
69	13.392	1834	1837	1840	rBV	243850	184896	5.03%	0.383%
70	13.433	1840	1844	1846	rVV2	205811	219132	5.96%	0.454%
71	13.457	1846	1848	1851	rVB3	47850	44421	1.21%	0.092%
72	13.486	1851	1853	1856	rBV2	51799	59093	1.61%	0.122%
73	13.527	1857	1860	1862	rBV	129828	109809	2.99%	0.227%
74	13.557	1862	1865	1868	rVV	127903	111808	3.04%	0.231%
75	13.698	1887	1889	1892	rBV3	48453	55256	1.50%	0.114%
76	13.839	1910	1913	1918	rVB	221463	219332	5.97%	0.454%

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77	13.951	1927	1932	1935	rBV2	256815	314174	8.55%	0.650%
78	13.980	1935	1937	1939	rVV	186078	151095	4.11%	0.313%
79	14.004	1939	1941	1943	rVV	152193	156448	4.26%	0.324%
80	14.027	1943	1945	1946	rVV	214235	203771	5.54%	0.422%
81	14.045	1946	1948	1956	rVB	298776	369119	10.04%	0.764%
82	14.121	1959	1961	1967	rVB	64337	67057	1.82%	0.139%
83	14.204	1970	1975	1978	rVV2	1666399	2480884	67.48%	5.136%
84	14.233	1978	1980	1987	rVB	1055297	934669	25.42%	1.935%
85	14.310	1991	1993	1995	rBV	92960	81079	2.21%	0.168%
86	14.351	1997	2000	2002	rBV2	135262	131558	3.58%	0.272%
87	14.433	2010	2014	2016	rBV2	90673	113193	3.08%	0.234%
88	14.462	2017	2019	2021	rVB	67970	50523	1.37%	0.105%
89	14.592	2036	2041	2044	rBV	244655	262714	7.15%	0.544%
90	14.627	2044	2047	2050	rVV2	144170	137119	3.73%	0.284%
91	14.721	2061	2063	2066	rBV2	106907	103942	2.83%	0.215%
92	14.745	2066	2067	2071	rVB2	94432	79595	2.16%	0.165%
93	15.292	2156	2160	2164	rBV	850622	1422475	38.69%	2.945%
94	15.409	2177	2180	2184	rBV	170758	191528	5.21%	0.397%
95	15.621	2212	2216	2223	rVB	476643	649747	17.67%	1.345%
96	15.692	2224	2228	2234	rVB	683922	855841	23.28%	1.772%
97	15.762	2235	2240	2243	rVV	889928	1224764	33.31%	2.536%
98	15.792	2243	2245	2252	rVB2	197113	269676	7.34%	0.558%
99	17.356	2506	2511	2520	rVB2	237257	481038	13.08%	0.996%
100	17.845	2589	2594	2605	rVB	168273	373868	10.17%	0.774%

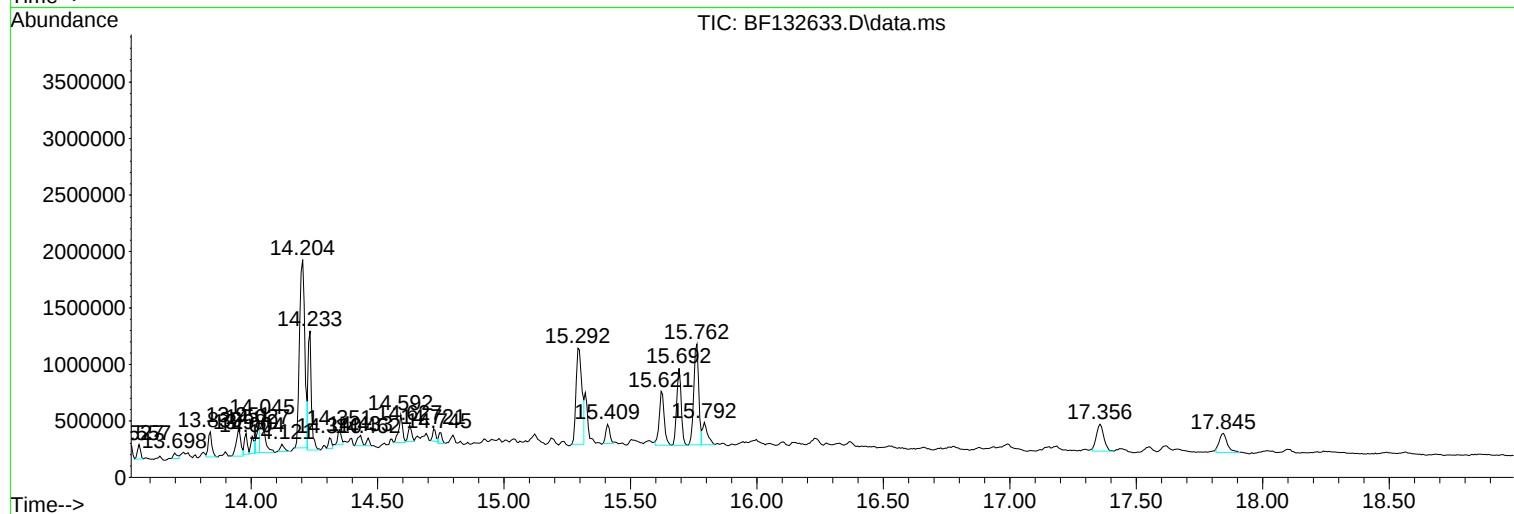
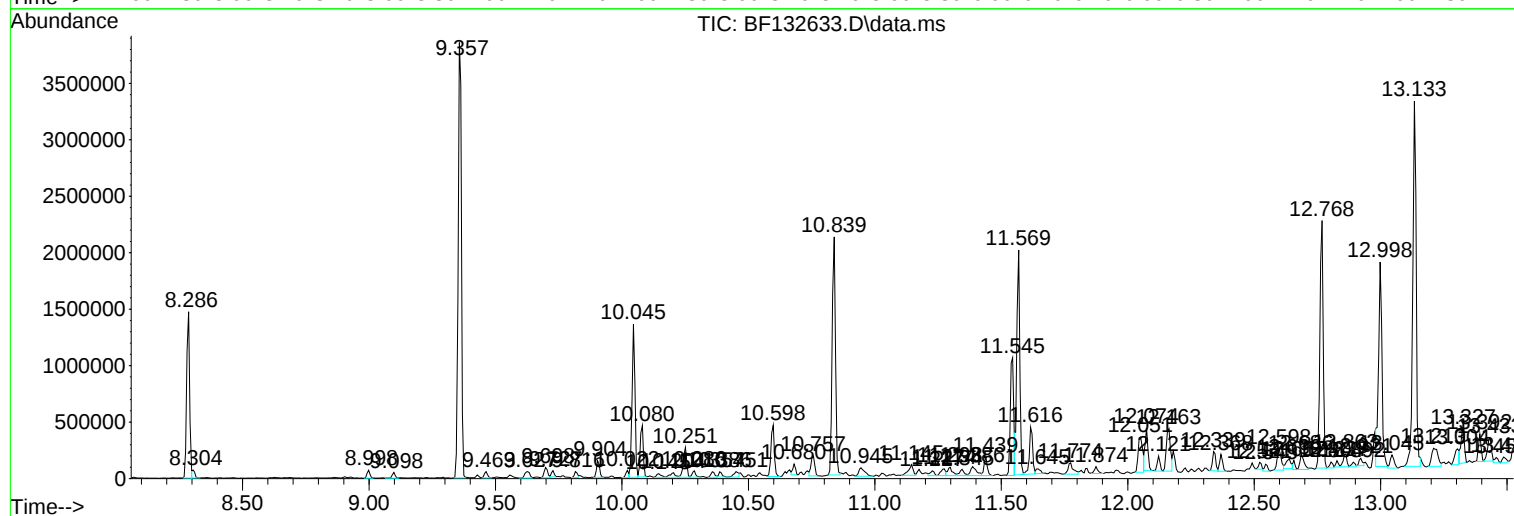
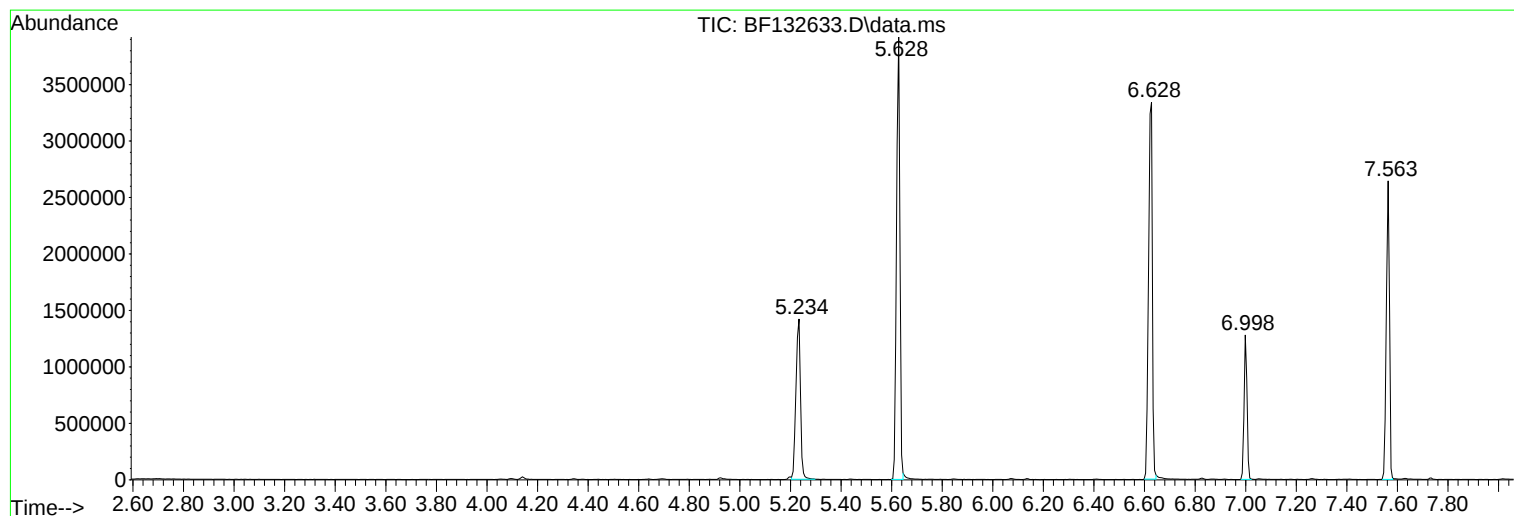
Sum of corrected areas: 48304396

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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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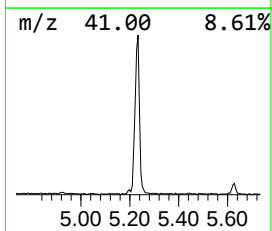
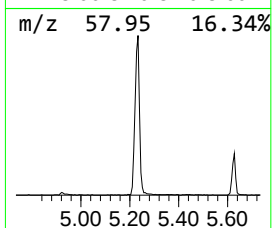
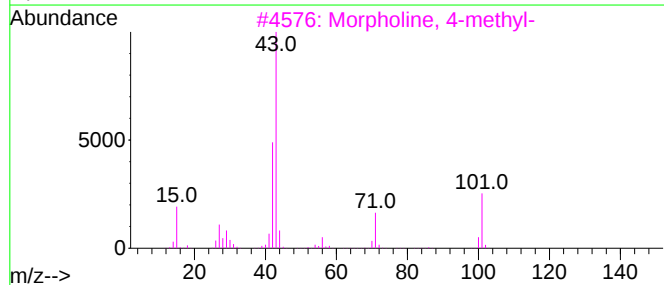
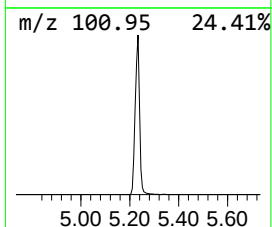
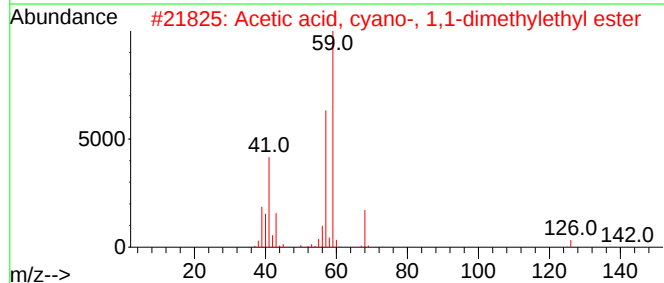
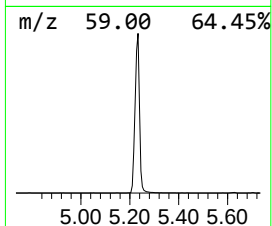
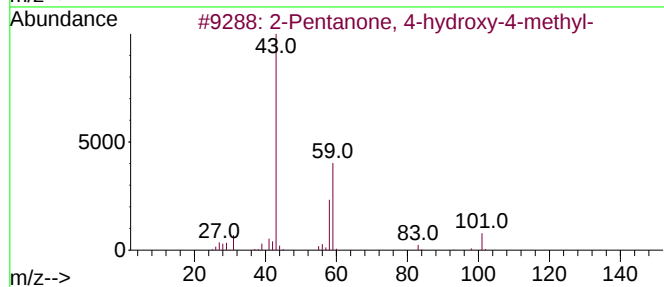
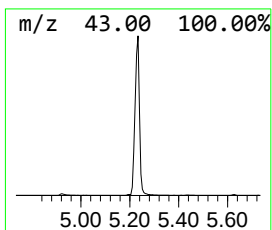
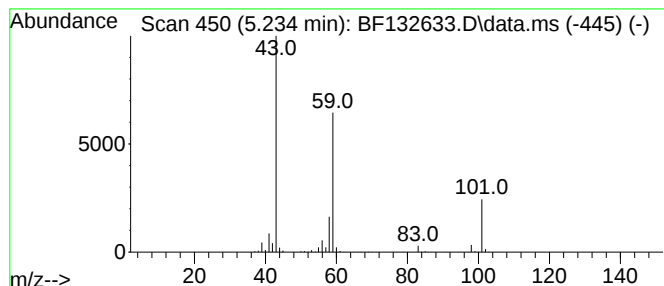
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.234	33.94 ng	1769440	1,4-Dichlorobenzene-d4	6.998

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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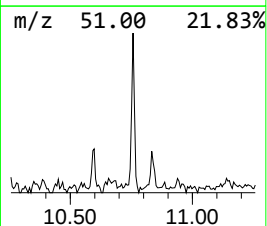
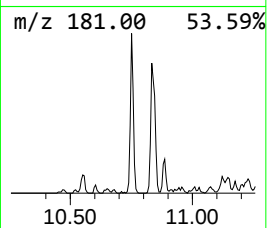
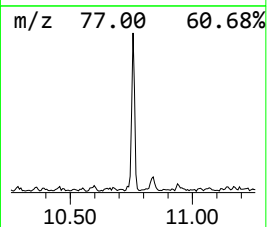
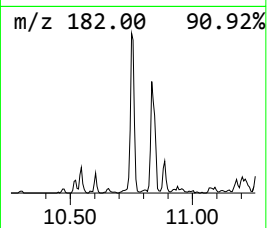
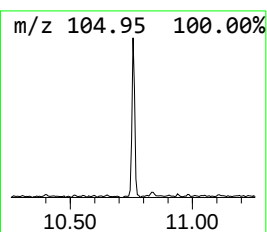
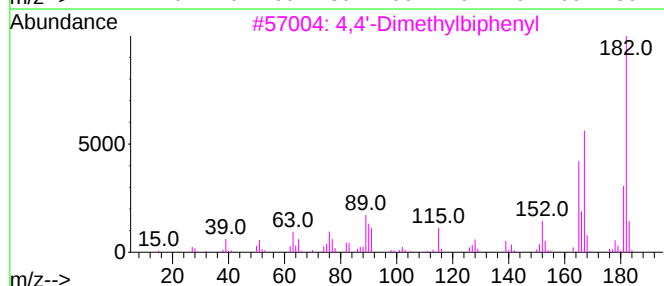
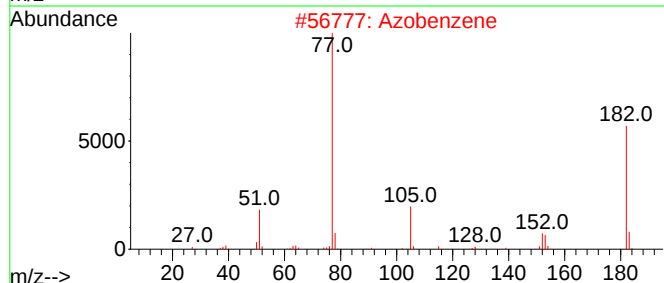
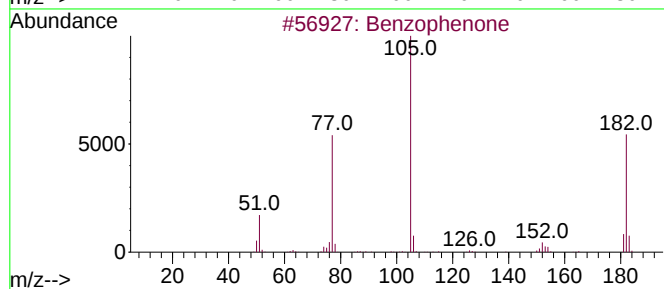
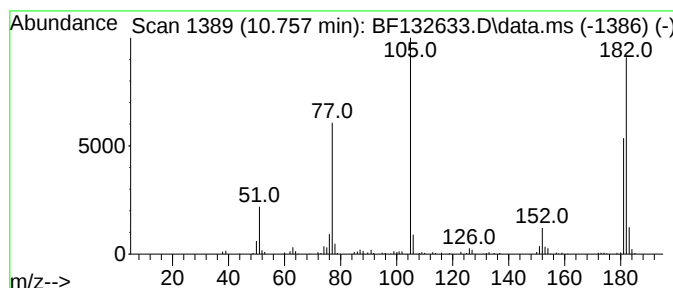
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.757	3.23 ng	177752	Acenaphthene-d10	10.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	87
2			Azobenzene	182	C12H10N2	000103-33-3	47
3			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
4			9H-Xanthene	182	C13H10O	000092-83-1	45
5			3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	35



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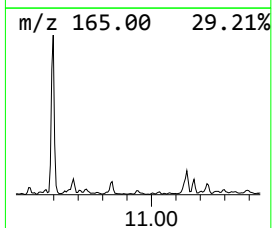
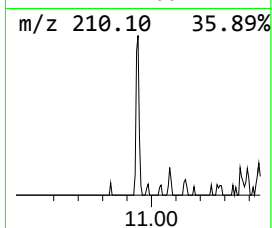
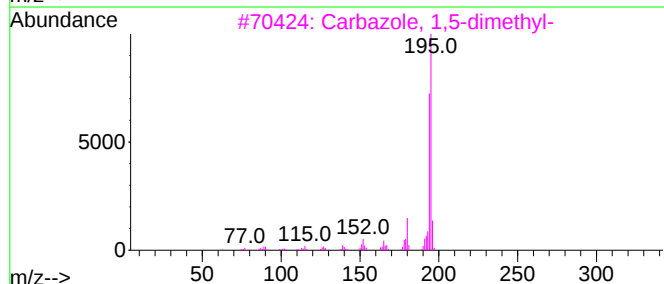
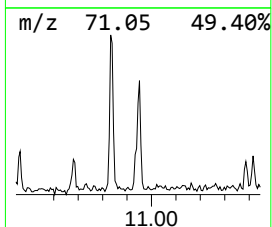
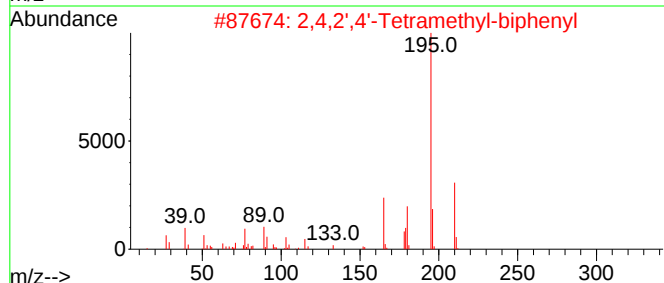
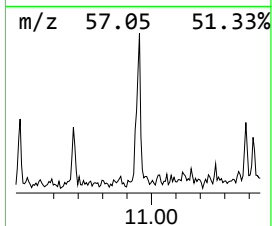
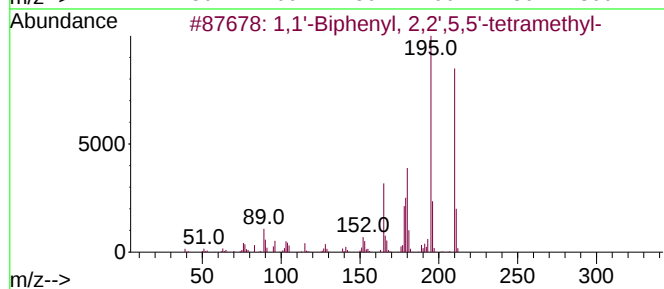
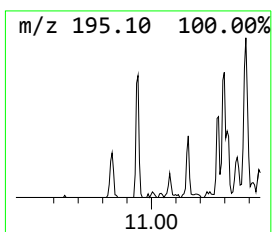
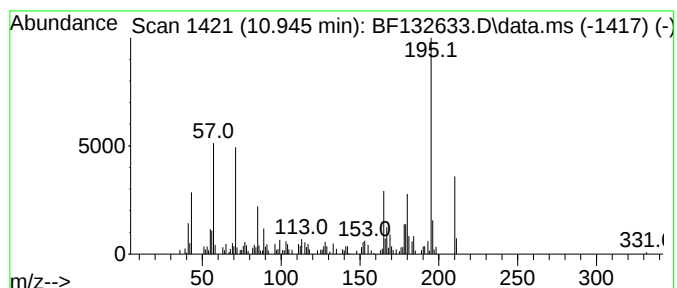
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.945	2.54 ng	123478	Phenanthrene-d10		11.545	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-		210	C16H18	003075-84-1	70
2	2,4,2',4'-Tetramethyl-biphenyl		210	C16H18	1000486-97-7	64
3	Carbazole, 1,5-dimethyl-		195	C14H13N	051640-60-9	62
4	Carbazole, 2,6-dimethyl-		195	C14H13N	078787-80-1	58
5	Carbazole, 4,5-dimethyl-		195	C14H13N	018992-66-0	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
Operator : CG\JU
Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

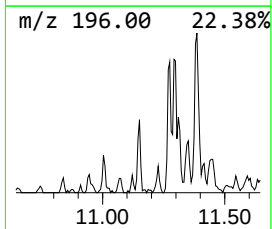
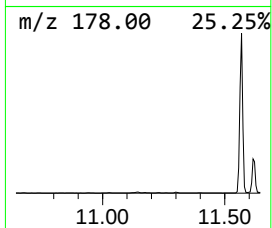
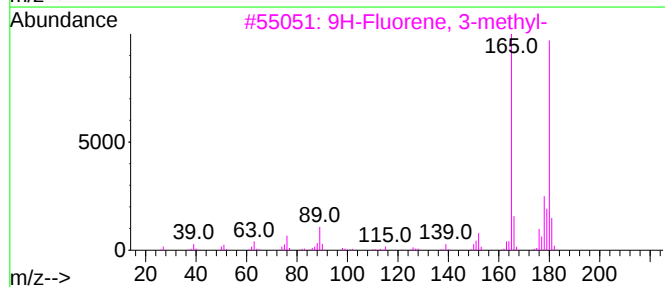
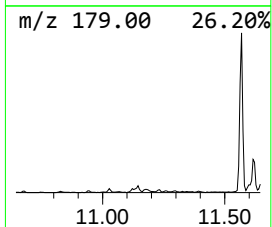
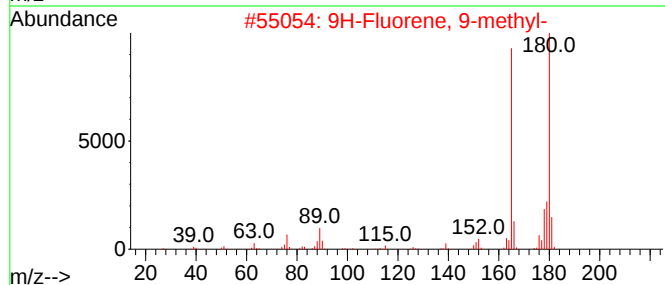
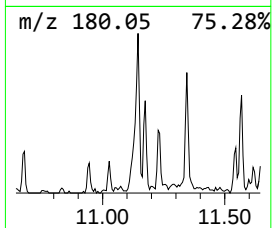
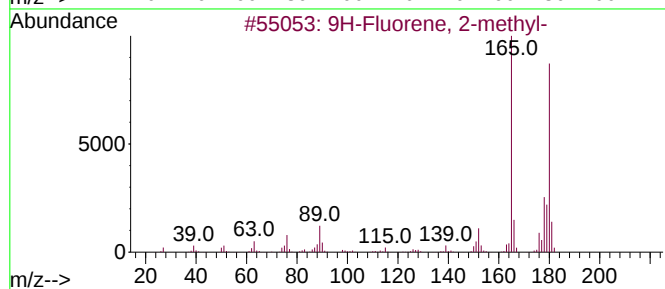
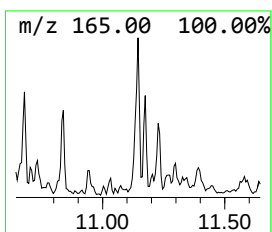
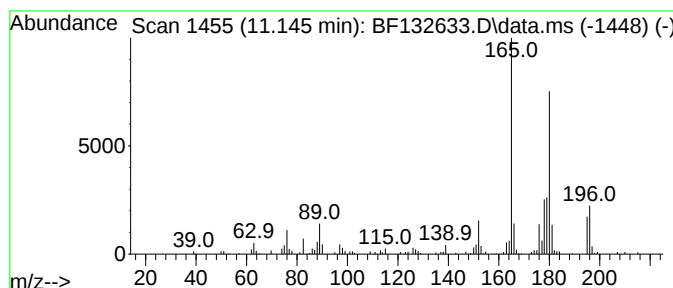
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.145	2.51 ng	121892	Phenanthrene-d10	11.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
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Operator : CG\JU
Sample : 01770-01
Misc :
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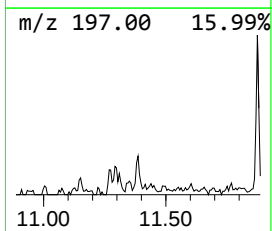
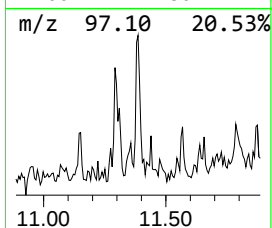
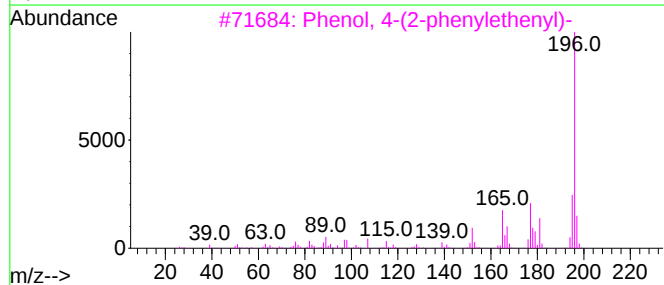
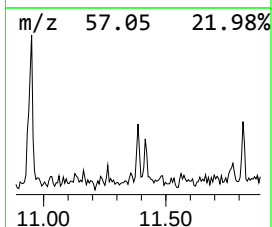
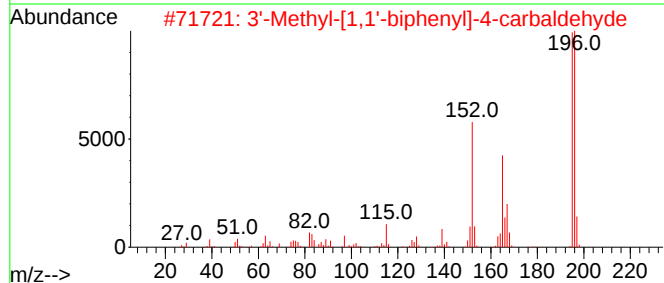
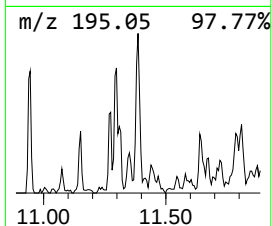
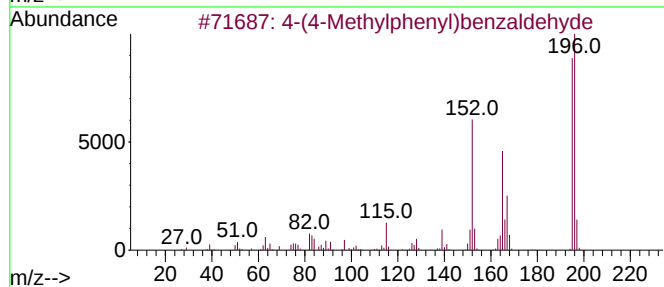
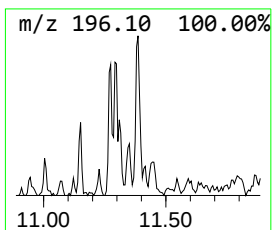
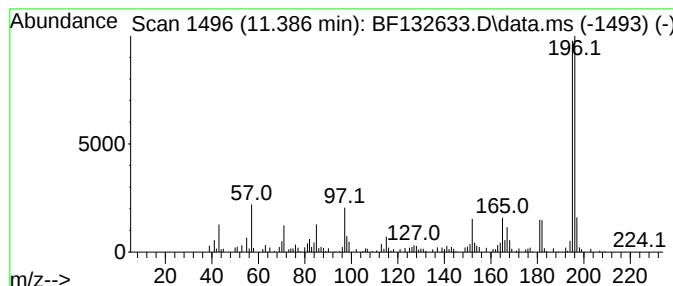
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4-(4-Methylphenyl)benzaldehyde Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.386	2.66 ng	129598	Phenanthrene-d10		11.545	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde		196	C14H12O	036393-42-7	94
2	3'-Methyl-[1,1'-biphenyl]-4-carb...		196	C14H12O	400744-83-4	93
3	Phenol, 4-(2-phenylethenyl)-		196	C14H12O	003839-46-1	64
4	Phenol, 4-(2-phenylethenyl)-, (E)-		196	C14H12O	006554-98-9	64
5	Phenol, 3-(2-phenylethenyl)-, (E)-		196	C14H12O	017861-18-6	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
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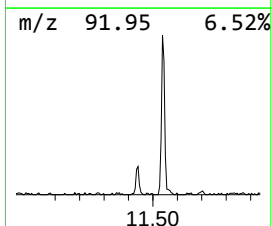
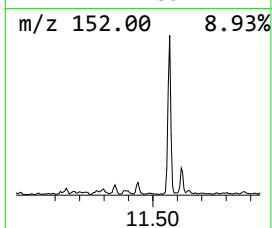
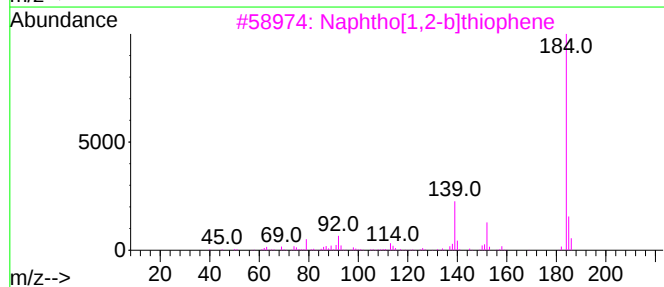
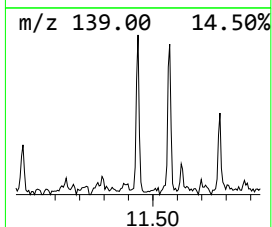
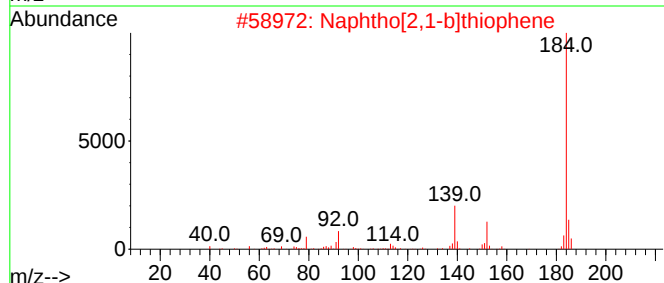
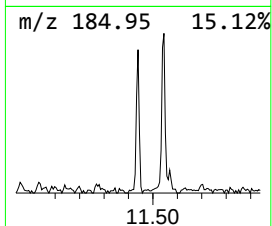
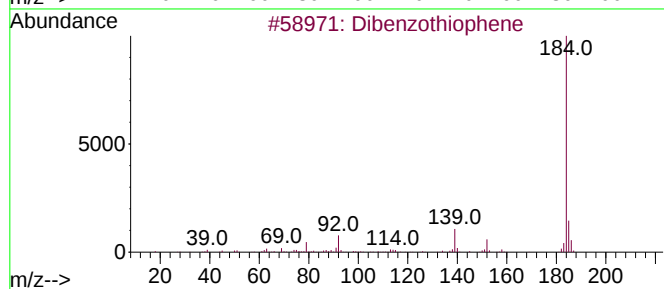
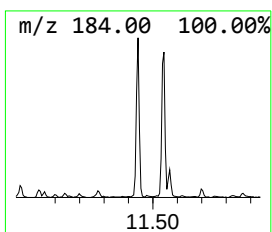
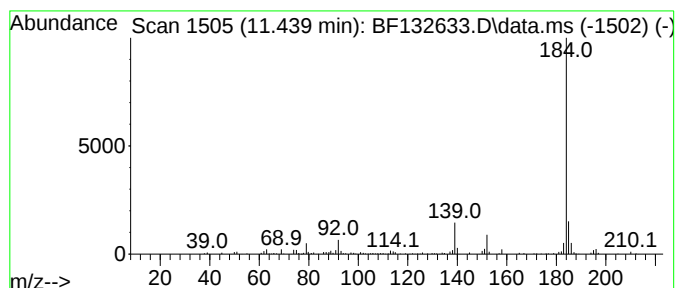
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.439	2.99 ng	145570	Phenanthrene-d10	11.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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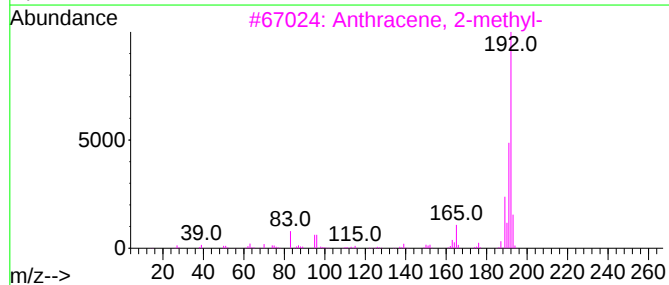
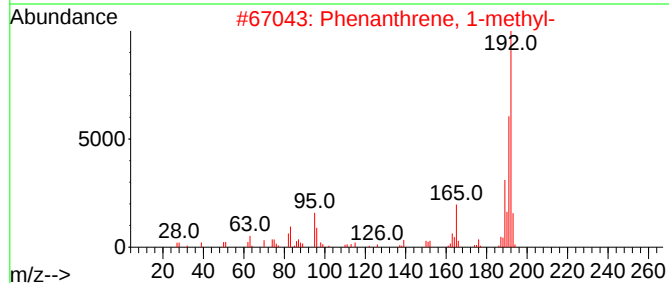
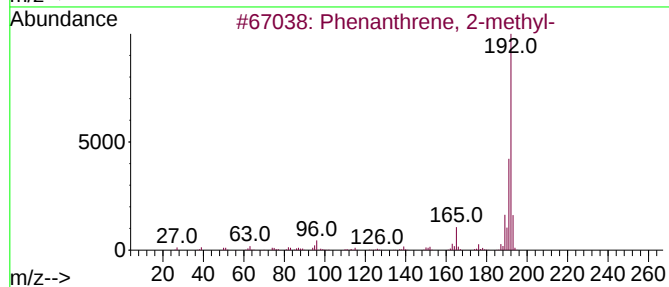
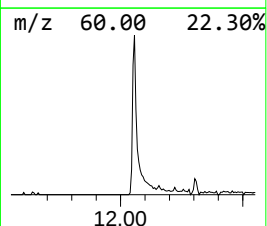
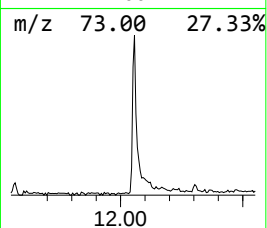
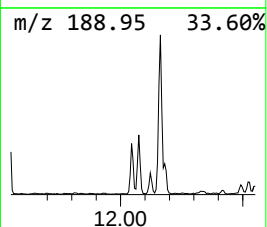
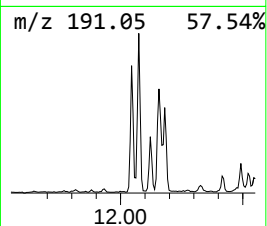
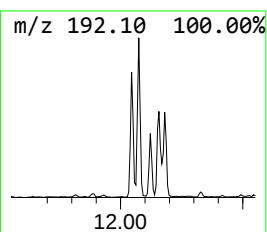
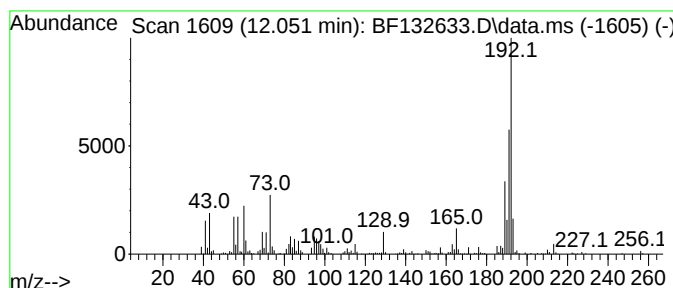
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.051	8.14 ng	395879	Phenanthrene-d10	11.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
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Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

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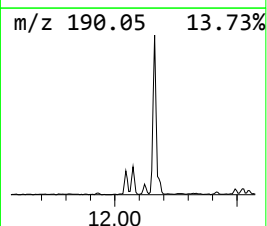
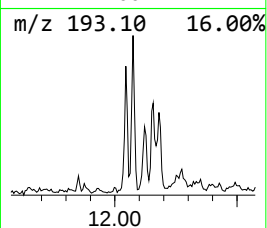
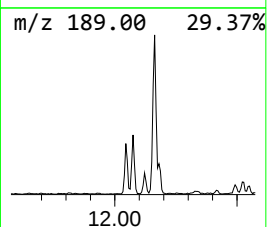
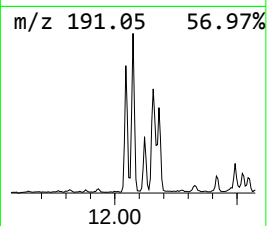
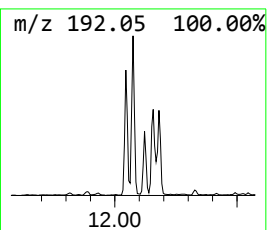
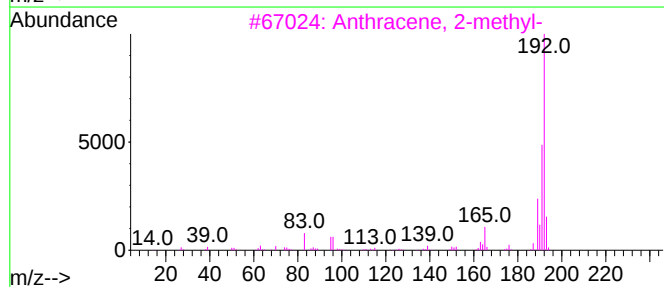
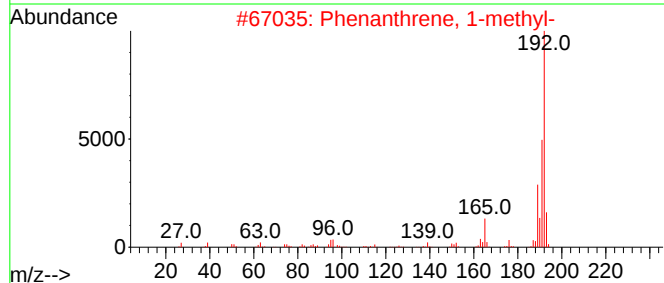
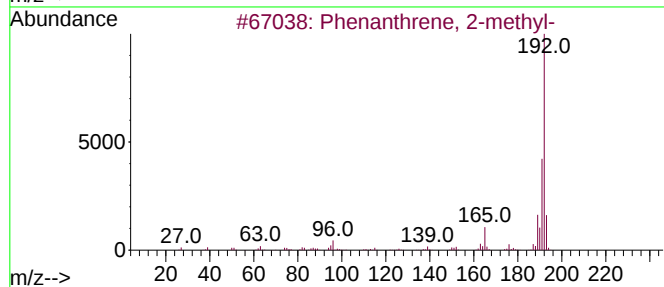
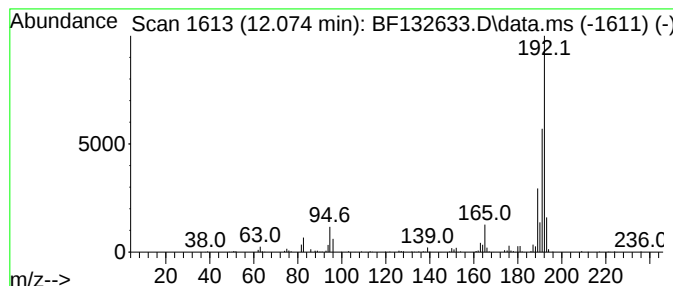
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	6.00 ng	291781	Phenanthrene-d10	11.545

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
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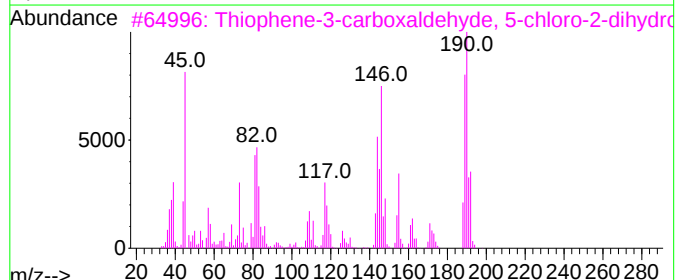
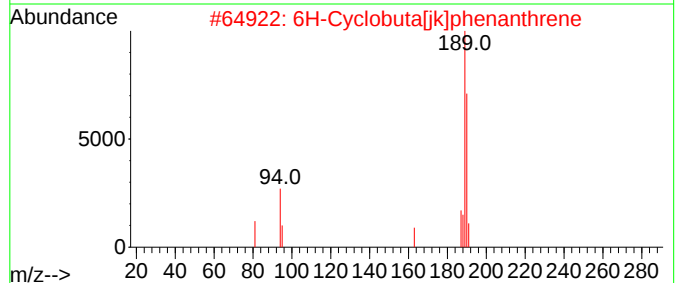
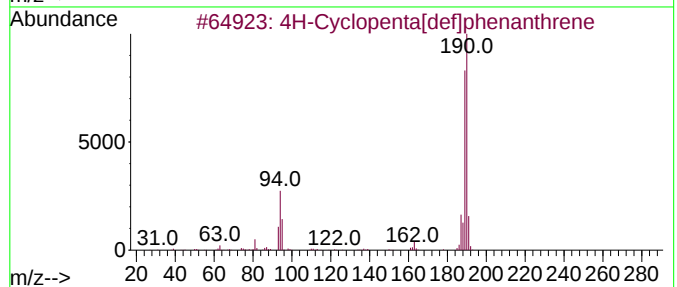
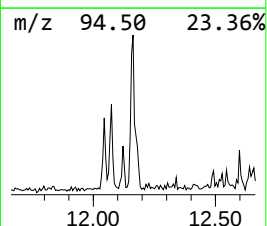
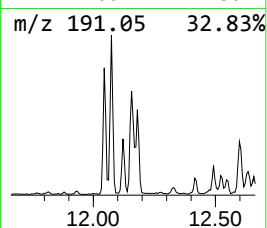
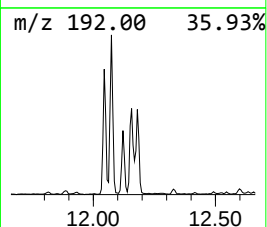
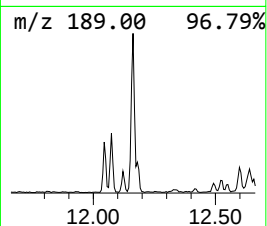
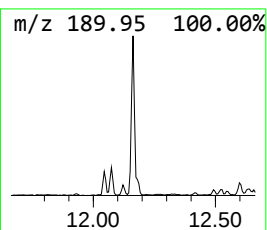
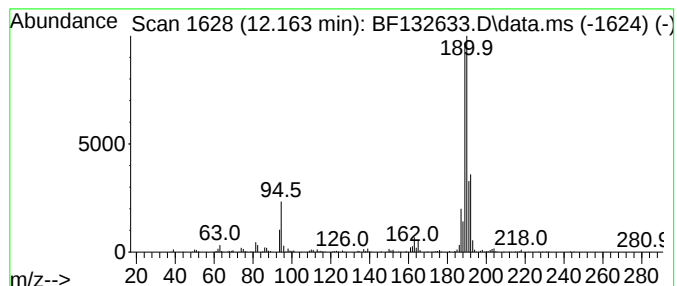
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	8.93 ng	434580	Phenanthrene-d10	11.545

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
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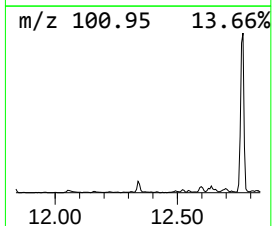
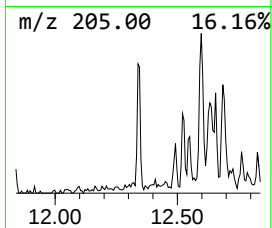
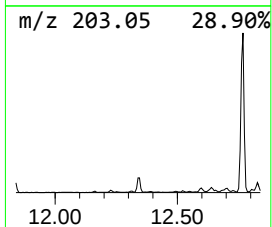
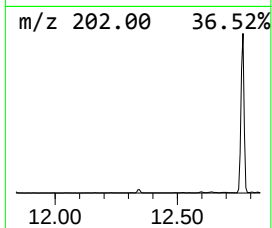
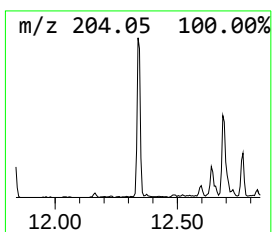
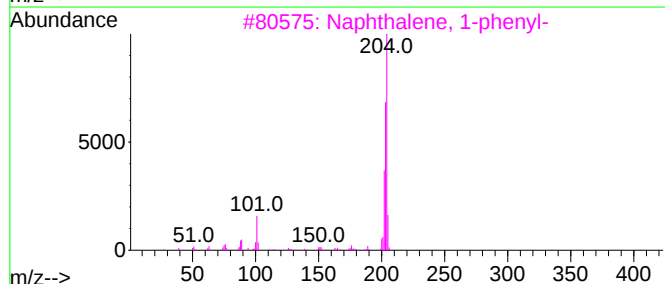
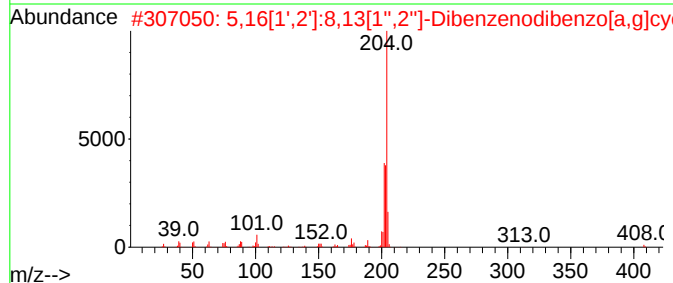
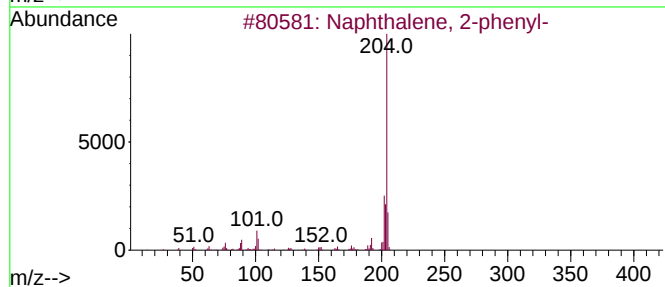
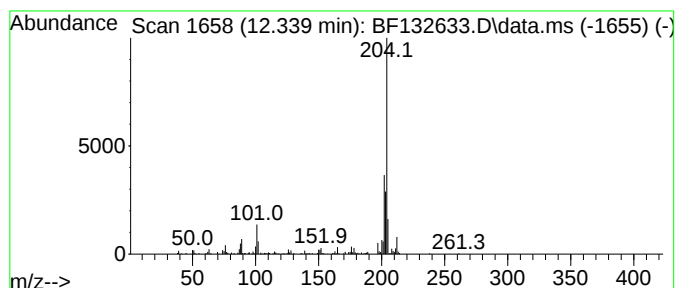
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	3.14 ng	152728	Phenanthrene-d10	11.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5			5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
Operator : CG\JU
Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

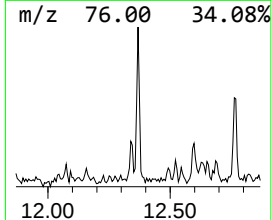
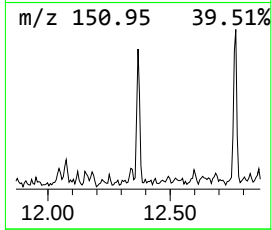
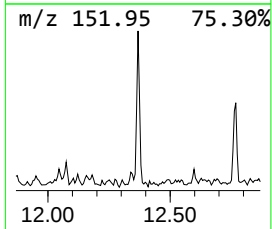
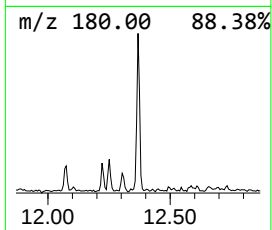
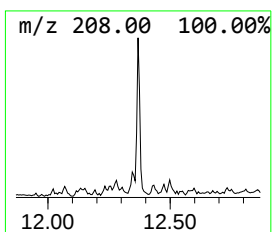
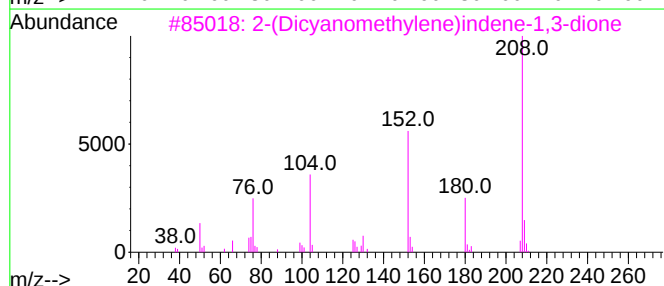
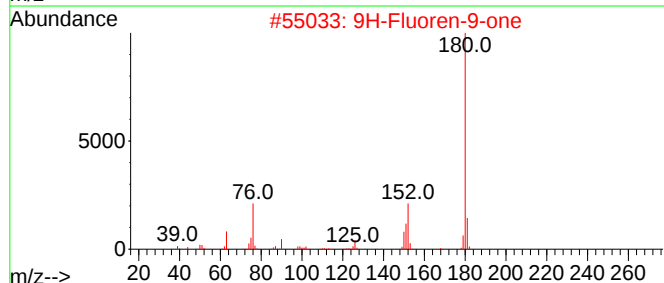
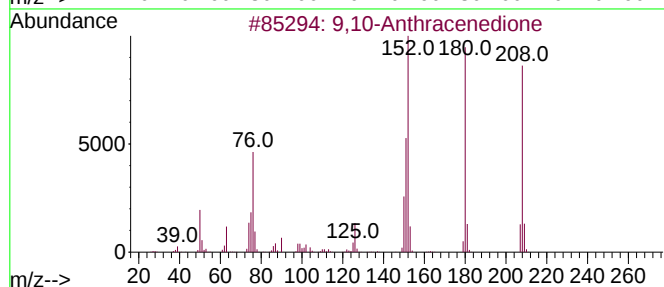
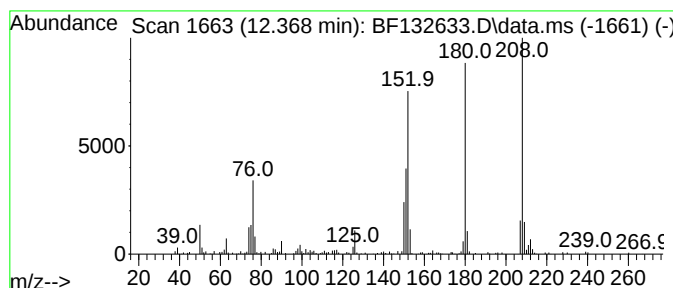
Instrument :
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ClientSampleId :
VNJ-223

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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 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.368	2.47 ng	120286	Phenanthrene-d10	11.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	2-(Dicyanomethylene)indene-1,3-dione	208	C12H4N2O2	016954-74-8	53
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
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Sample : 01770-01
Misc :
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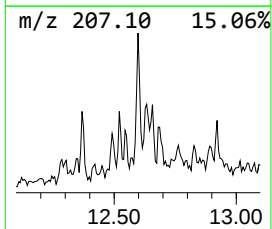
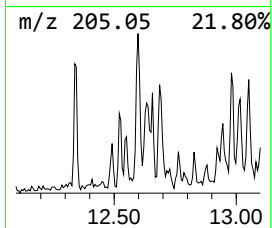
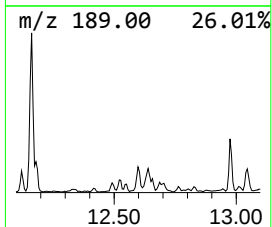
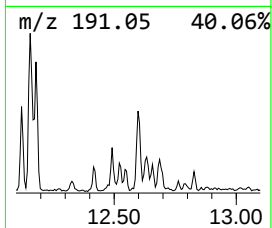
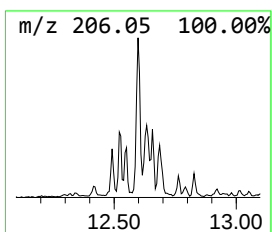
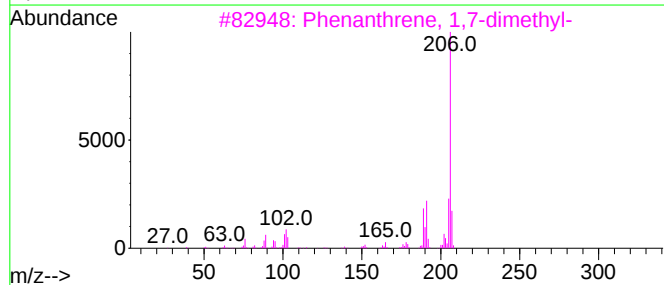
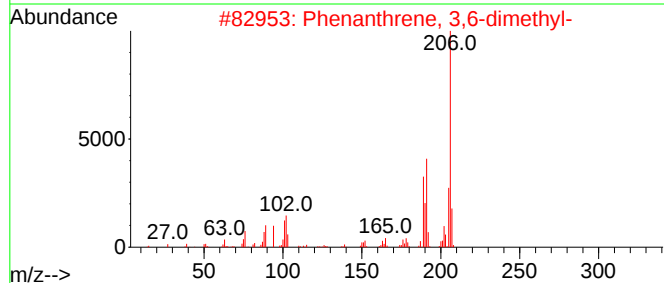
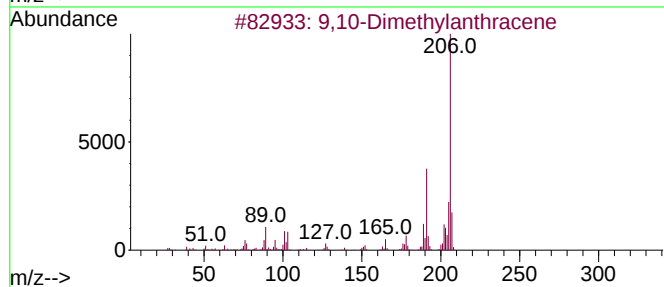
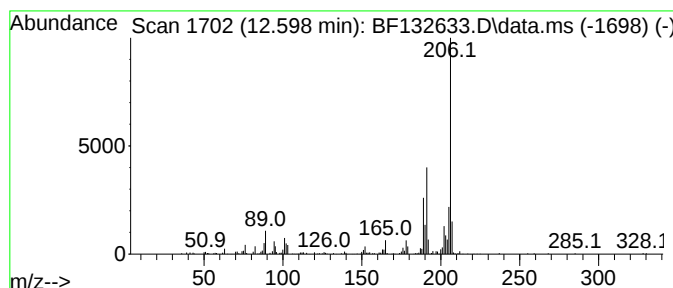
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Dimethylantracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.598	4.22 ng	205277	Phenanthrene-d10		11.545	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene		206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-		206	C16H14	000483-87-4	93
4	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	93
5	Anthracene, 1,4-dimethyl-		206	C16H14	000781-92-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
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Sample : 01770-01
Misc :
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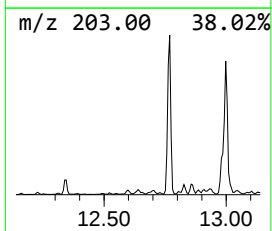
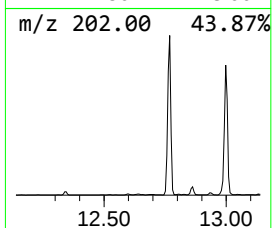
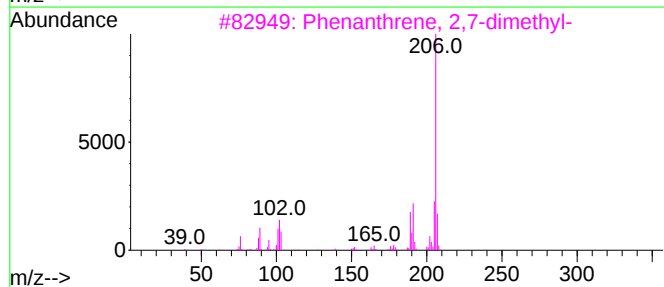
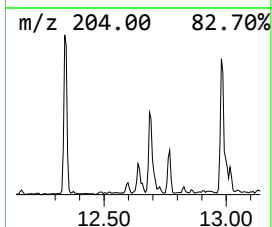
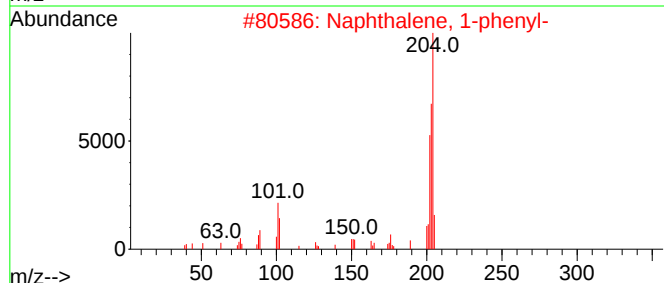
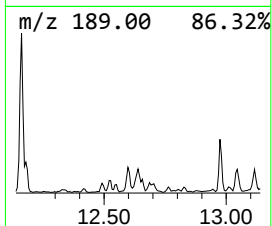
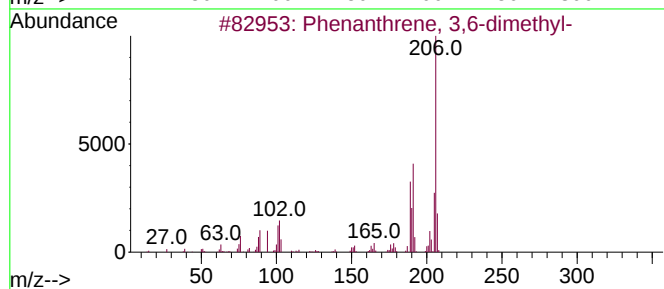
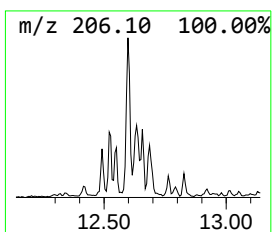
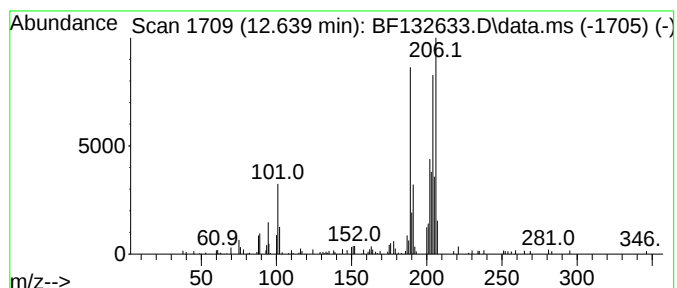
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.639 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.639	2.44 ng	118508	Phenanthrene-d10		11.545	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	46
2	Naphthalene, 1-phenyl-		204	C16H12	000605-02-7	35
3	Phenanthrene, 2,7-dimethyl-		206	C16H14	001576-69-8	30
4	Pyrene, 4,5,9,10-tetrahydro-		206	C16H14	000781-17-9	30
5	di-p-Tolylacetylene		206	C16H14	002789-88-0	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
Operator : CG\JU
Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

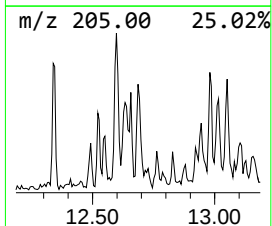
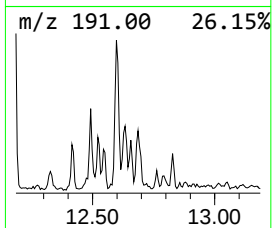
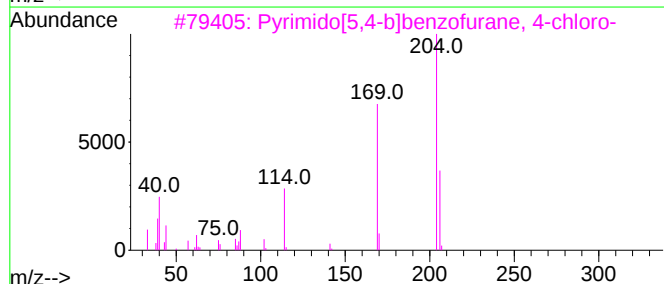
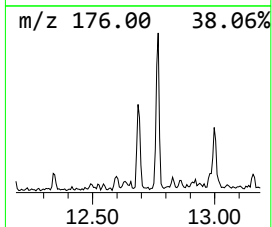
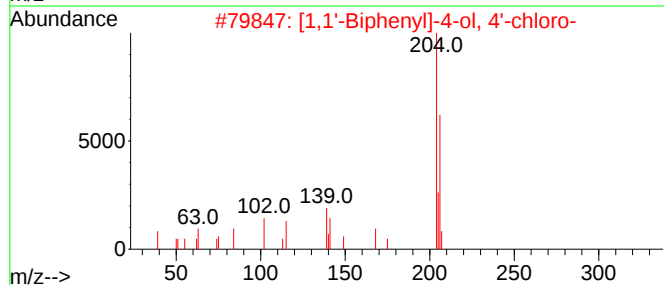
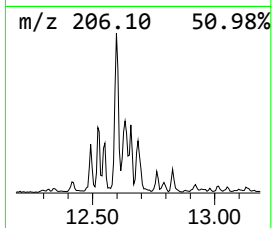
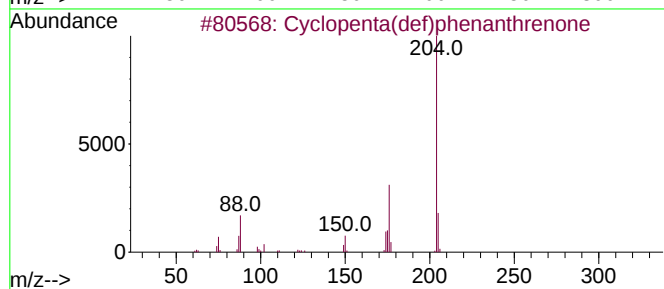
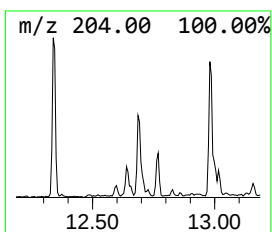
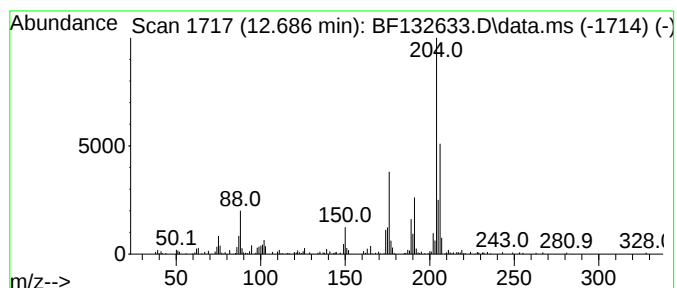
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.686	3.12 ng	151817	Phenanthrene-d10		11.545	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone		204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-		204	C12H9ClO	028034-99-3	46
3	Pyrimido[5,4-b]benzofurane, 4-ch...		204	C10H5ClN2O	039876-88-5	38
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile		204	C14H8N2	001591-30-6	35
5	1,2,4,8-Tetramethylbicyclo[6.3.0...		204	C15H24	137235-51-9	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
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Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

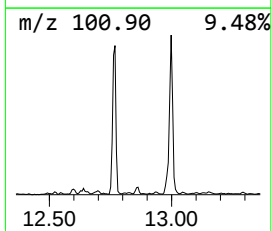
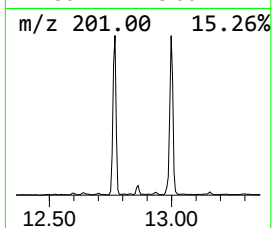
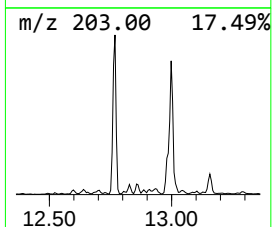
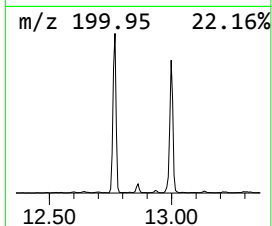
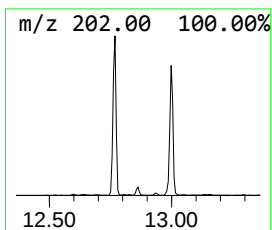
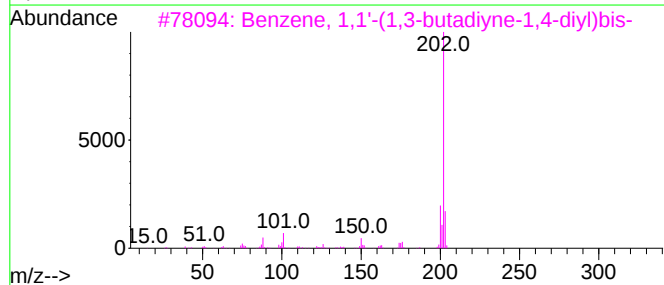
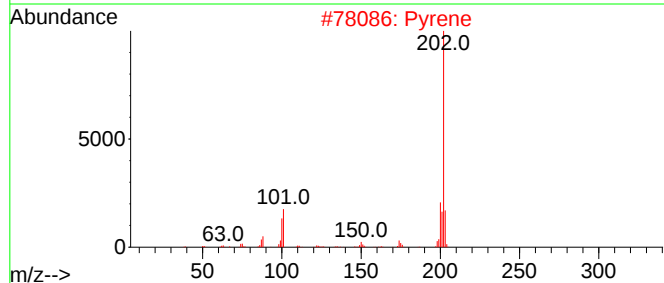
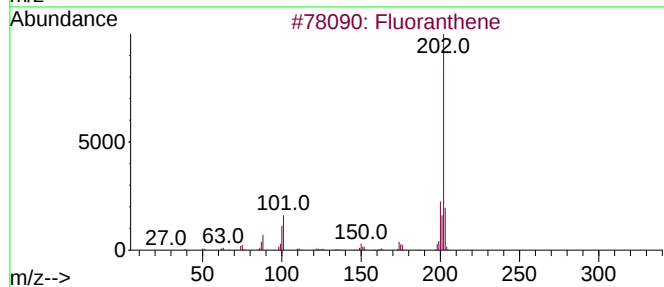
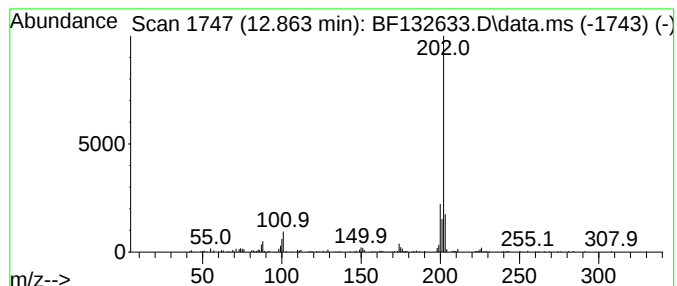
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.863	2.39 ng	116495	Phenanthrene-d10			11.545
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Fluoranthene		202	C16H10	000206-44-0	94
2	Pyrene		202	C16H10	000129-00-0	89
3	Benzene, 1,1'-(1,3-butadiyne-1,4...		202	C16H10	000886-66-8	74
4	1,4-Pentadiyn-3-one, 1,5-diphenyl-		230	C17H10O	015814-30-9	72
5	l-Leucine, N-methyl-N-(2-methoxy...		485	C28H55NO5	1010328-55-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
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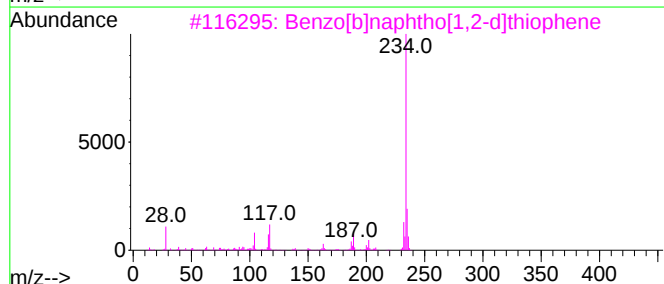
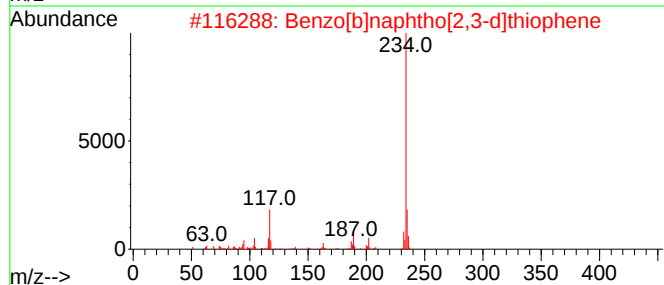
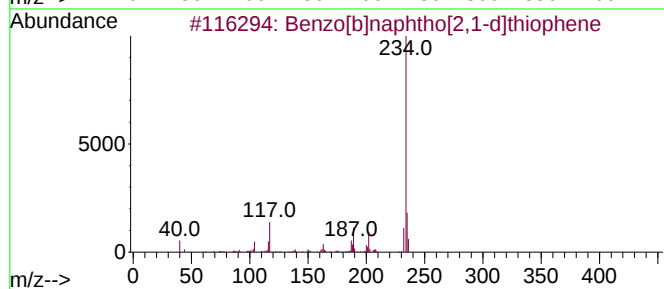
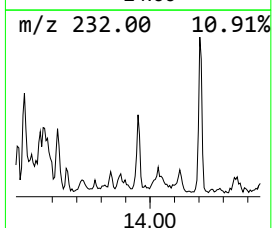
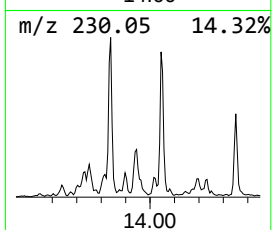
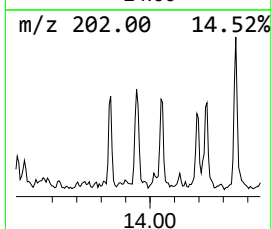
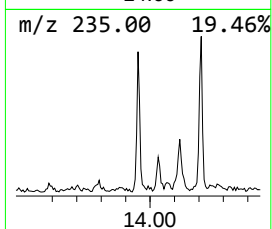
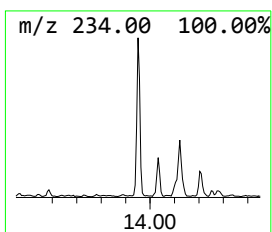
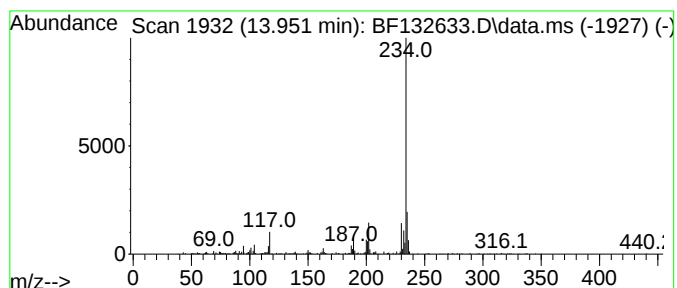
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ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.951	2.53 ng	314174	Chrysene-d12		14.204	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene		234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene		234	C16H10S	000243-46-9	90
3	Benzo[b]naphtho[1,2-d]thiophene		234	C16H10S	000205-43-6	74
4	pyrido[1',2':1,2]imidazo[4,5-b]q...		234	C14H10N4	1000401-06-3	64
5	Quinoxalino[2,3-b]quinoxaline, 5...		234	C14H10N4	000531-46-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
Operator : CG\JU
Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

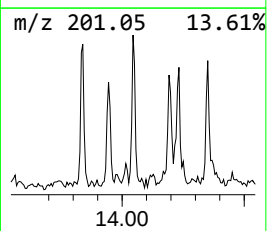
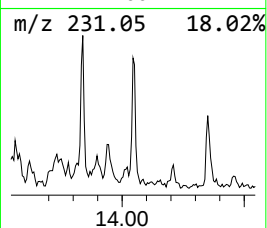
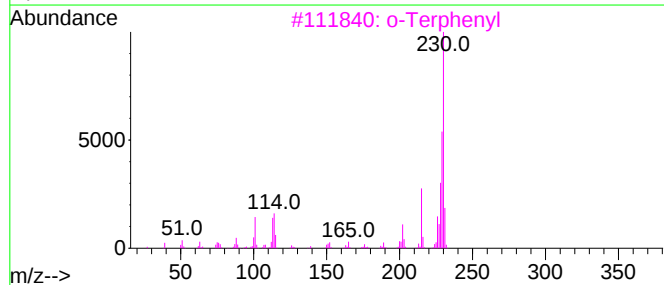
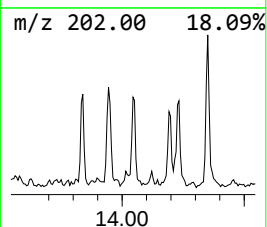
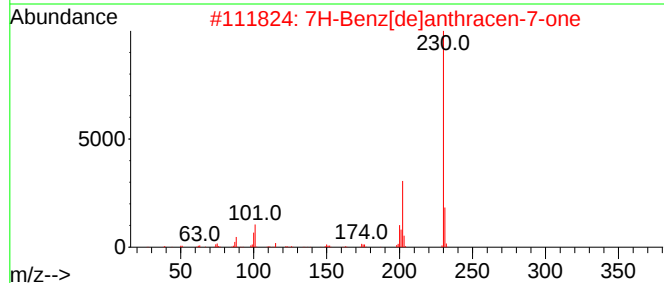
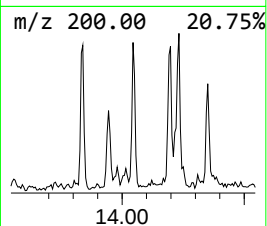
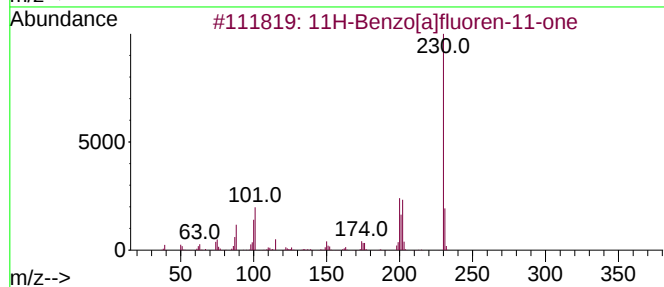
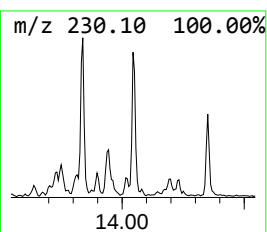
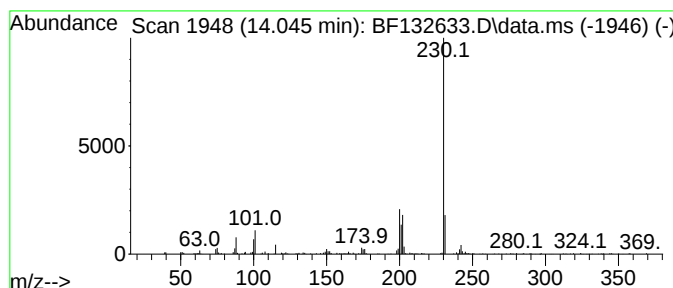
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.045	2.98 ng	369119	Chrysene-d12	14.204	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	o-Terphenyl	230	C18H14	000084-15-1	64
4	4-Isothiazolocarboxitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	53
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
Operator : CG\JU
Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

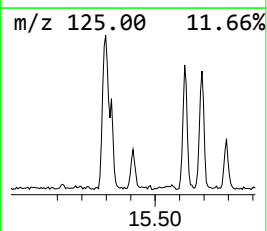
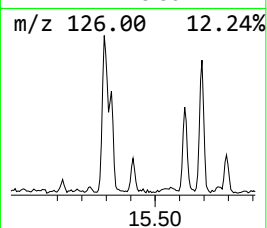
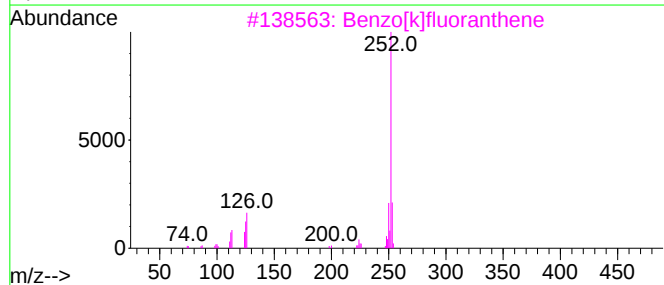
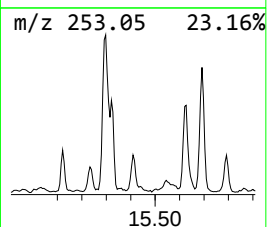
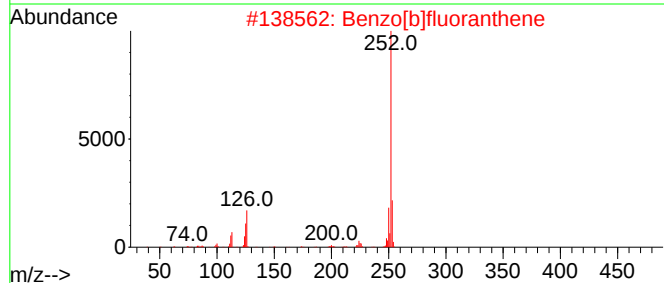
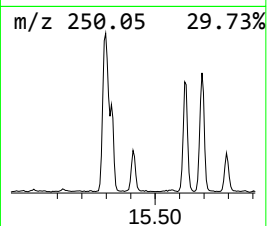
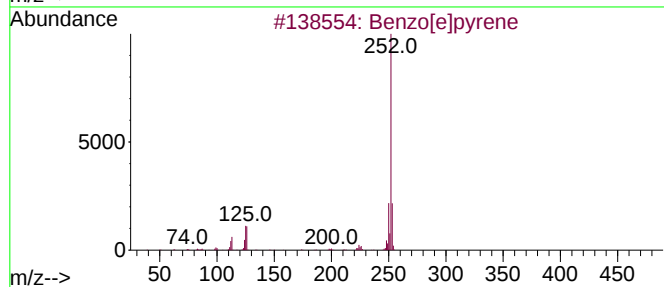
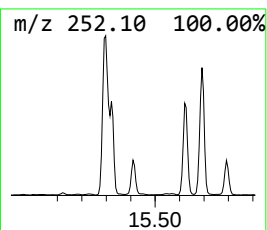
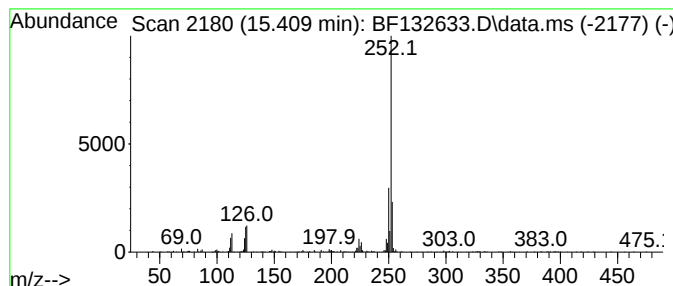
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	3.13 ng	191528	Perylene-d12	15.762

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
Operator : CG\JU
Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

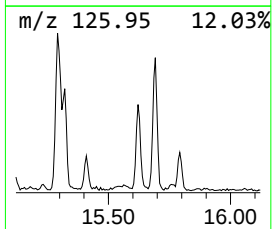
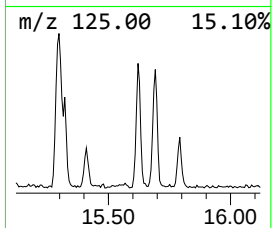
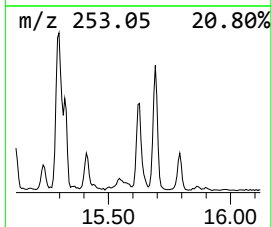
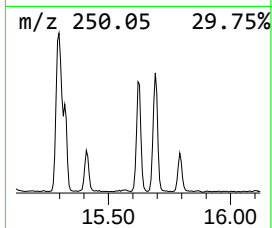
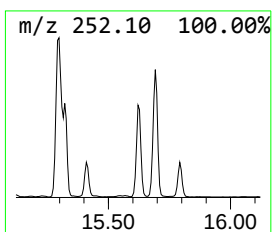
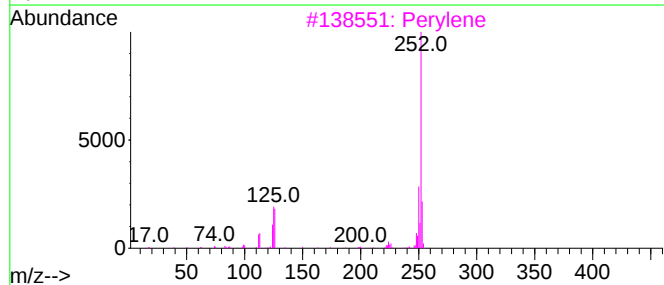
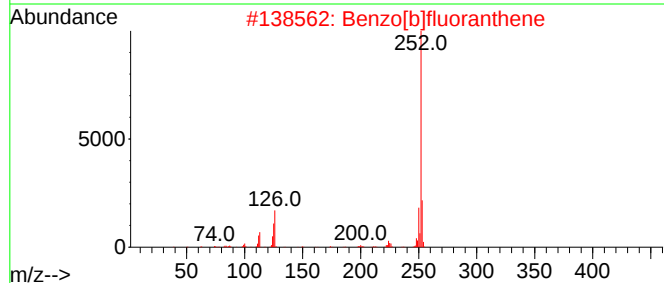
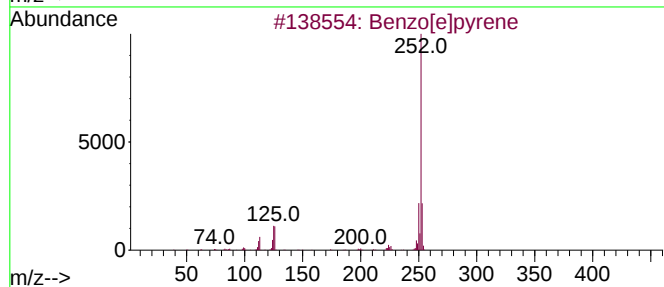
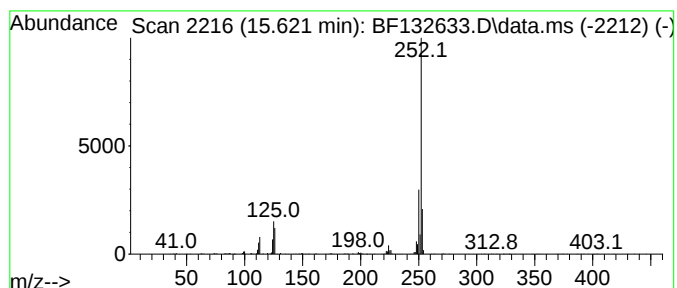
Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.621	10.61 ng	649747	Perylene-d12	15.762	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132633.D
 Acq On : 03 Mar 2023 17:33
 Operator : CG\JU
 Sample : 01770-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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
2-Pentanone, 4-...	5.234	33.9	ng	1769440	1	6.998	1042830	20.0
Benzophenone	10.757	3.2	ng	177752	3	10.045	1100700	20.0
1,1'-Biphenyl, ...	10.945	2.5	ng	123478	4	11.545	972875	20.0
9H-Fluorene, 2-...	11.145	2.5	ng	121892	4	11.545	972875	20.0
4-(4-Methylphen...	11.386	2.7	ng	129598	4	11.545	972875	20.0
Dibenzothiophene	11.439	3.0	ng	145570	4	11.545	972875	20.0
Phenanthrene, 2...	12.051	8.1	ng	395879	4	11.545	972875	20.0
Phenanthrene, 1...	12.074	6.0	ng	291781	4	11.545	972875	20.0
4H-Cyclopenta[d...	12.163	8.9	ng	434580	4	11.545	972875	20.0
Naphthalene, 2-...	12.339	3.1	ng	152728	4	11.545	972875	20.0
9,10-Anthracene...	12.368	2.5	ng	120286	4	11.545	972875	20.0
9,10-Dimethylan...	12.598	4.2	ng	205277	4	11.545	972875	20.0
unknown12.639	12.639	2.4	ng	118508	4	11.545	972875	20.0
Cyclopenta(def)...	12.686	3.1	ng	151817	4	11.545	972875	20.0
Benzene, 1,1'-(...	12.863	2.4	ng	116495	4	11.545	972875	20.0
Benzo[b]naphtho...	13.951	2.5	ng	314174	5	14.204	2480880	20.0
11H-Benzo[a]flu...	14.045	3.0	ng	369119	5	14.204	2480880	20.0
Benzo[e]pyrene	15.410	3.1	ng	191528	6	15.762	1224760	20.0
Perylene	15.621	10.6	ng	649747	6	15.762	1224760	20.0