

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136160.D
 Acq On : 06 Nov 2023 17:59
 Operator : CG\JU
 Sample : 05256-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-11

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-BF103023.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136160.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	12	rVB	235895	300943	13.08%	0.811%
2	5.451	567	572	575	rBV	1952977	1788224	77.73%	4.817%
3	6.451	737	742	745	rBV	1835169	1793322	77.95%	4.830%
4	6.816	801	804	808	rBV	583194	468022	20.34%	1.261%
5	7.381	895	900	903	rBV	1449546	1181765	51.37%	3.183%
6	8.098	1018	1022	1024	rBV	813197	617242	26.83%	1.663%
7	8.116	1024	1025	1031	rVB	148608	105172	4.57%	0.283%
8	8.810	1140	1143	1146	rBV	77996	54158	2.35%	0.146%
9	8.910	1157	1160	1163	rVB	80119	57685	2.51%	0.155%
10	9.180	1202	1206	1209	rBV	2782900	2192103	95.29%	5.904%
11	9.510	1258	1262	1265	rBV	68515	69107	3.00%	0.186%
12	9.716	1291	1297	1302	rVB	131327	106900	4.65%	0.288%
13	9.857	1315	1321	1324	rBV	838045	667533	29.02%	1.798%
14	9.886	1324	1326	1330	rVB	205296	162166	7.05%	0.437%
15	10.057	1352	1355	1359	rVB	141833	130675	5.68%	0.352%
16	10.404	1411	1414	1420	rVB	202182	175622	7.63%	0.473%
17	10.563	1438	1441	1447	rVB	80606	73162	3.18%	0.197%
18	10.645	1451	1455	1459	rVV	1460649	1299774	56.50%	3.501%
19	10.774	1474	1477	1482	rVB4	55820	60074	2.61%	0.162%
20	10.957	1501	1508	1510	rBV4	56647	84305	3.66%	0.227%
21	11.086	1525	1530	1532	rBV2	52701	63922	2.78%	0.172%
22	11.151	1538	1541	1545	rVB	132055	110118	4.79%	0.297%
23	11.198	1545	1549	1552	rVV2	48247	59090	2.57%	0.159%
24	11.245	1554	1557	1562	rVB	118030	114686	4.99%	0.309%
25	11.351	1571	1575	1576	rBV	589854	538993	23.43%	1.452%
26	11.374	1576	1579	1582	rVV	1999846	1720838	74.80%	4.635%
27	11.421	1582	1587	1590	rVV	408890	367790	15.99%	0.991%
28	11.580	1612	1614	1616	rVB	148145	109423	4.76%	0.295%
29	11.651	1623	1626	1629	rBV2	69061	61899	2.69%	0.167%
30	11.680	1629	1631	1636	rVB3	70218	57848	2.51%	0.156%
31	11.851	1655	1660	1663	rBV	276025	271429	11.80%	0.731%
32	11.880	1663	1665	1670	rVB	414758	382220	16.61%	1.030%
33	11.927	1670	1673	1676	rBV	119455	101716	4.42%	0.274%
34	11.963	1676	1679	1682	rBV	391921	432510	18.80%	1.165%
35	11.986	1682	1683	1688	rVB	217174	138248	6.01%	0.372%
36	12.151	1708	1711	1713	rBV	197173	167979	7.30%	0.452%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.174	1713	1715	1718	rVB2	205613	163861	7.12%	0.441%
38	12.410	1748	1755	1758	rBV	193848	230796	10.03%	0.622%
39	12.445	1758	1761	1763	rVV2	87644	104554	4.54%	0.282%
40	12.492	1766	1769	1774	rVB	164127	176440	7.67%	0.475%
41	12.574	1778	1783	1786	rBV	2333061	2156322	93.73%	5.808%
42	12.633	1786	1793	1796	rBV4	50604	86437	3.76%	0.233%
43	12.704	1801	1805	1806	rBV2	55278	54785	2.38%	0.148%
44	12.721	1806	1808	1812	rVB	80938	71216	3.10%	0.192%
45	12.804	1816	1822	1825	rBV	2143883	2300463	100.00%	6.196%
46	12.851	1827	1830	1835	rVB2	102737	137914	6.00%	0.371%
47	12.921	1838	1842	1843	rBV2	114172	112223	4.88%	0.302%
48	12.951	1843	1847	1850	rVV	1692252	1517810	65.98%	4.088%
49	13.021	1853	1859	1862	rBV2	178411	285403	12.41%	0.769%
50	13.104	1870	1873	1875	rVV3	131425	151286	6.58%	0.407%
51	13.127	1875	1877	1881	rVB	258811	248262	10.79%	0.669%
52	13.198	1886	1889	1891	rVB	156231	122593	5.33%	0.330%
53	13.233	1891	1895	1898	rBV2	270392	263149	11.44%	0.709%
54	13.327	1908	1911	1914	rVB	163687	127153	5.53%	0.342%
55	13.357	1914	1916	1920	rBV	170004	139642	6.07%	0.376%
56	13.439	1926	1930	1934	rBV5	41913	65073	2.83%	0.175%
57	13.539	1939	1947	1949	rBV6	79603	161007	7.00%	0.434%
58	13.639	1957	1964	1969	rBV	239502	324324	14.10%	0.874%
59	13.704	1973	1975	1977	rVV	51411	52100	2.26%	0.140%
60	13.751	1978	1983	1986	rVV2	230264	331954	14.43%	0.894%
61	13.780	1986	1988	1990	rVV	200123	195860	8.51%	0.528%
62	13.804	1990	1992	1997	rVV2	184916	249320	10.84%	0.672%
63	13.851	1997	2000	2004	rVB	240396	217100	9.44%	0.585%
64	14.004	2019	2026	2029	rBV2	1271548	1930356	83.91%	5.199%
65	14.033	2029	2031	2038	rVV	1110419	1135910	49.38%	3.060%
66	14.110	2042	2044	2047	rVV	169701	154943	6.74%	0.417%
67	14.151	2047	2051	2052	rVV3	100259	122553	5.33%	0.330%
68	14.198	2056	2059	2061	rVV2	100793	124624	5.42%	0.336%
69	14.233	2061	2065	2068	rVV2	113758	164164	7.14%	0.442%
70	14.262	2068	2070	2073	rVB2	75088	64823	2.82%	0.175%
71	14.333	2078	2082	2084	rBV3	56641	67217	2.92%	0.181%
72	14.357	2084	2086	2088	rBV	62148	61414	2.67%	0.165%
73	14.398	2088	2093	2095	rVV	264483	263585	11.46%	0.710%
74	14.427	2095	2098	2102	rVB2	168336	174197	7.57%	0.469%
75	14.468	2102	2105	2106	rBV3	56301	52213	2.27%	0.141%
76	14.492	2106	2109	2111	rVV2	114759	116513	5.06%	0.314%

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77	14.521	2111	2114	2116	rVV	145939	139222	6.05%	0.375%
78	14.545	2116	2118	2121	rVB3	106494	99997	4.35%	0.269%
79	14.598	2125	2127	2133	rVB3	80932	83258	3.62%	0.224%
80	14.704	2141	2145	2147	rBV3	67758	80982	3.52%	0.218%
81	14.733	2148	2150	2156	rVB4	54100	81296	3.53%	0.219%
82	14.786	2156	2159	2161	rBV2	71018	75797	3.29%	0.204%
83	14.827	2164	2166	2170	rVB2	60785	50850	2.21%	0.137%
84	14.968	2186	2190	2193	rBV2	66525	85728	3.73%	0.231%
85	15.062	2201	2206	2209	rBV	880317	1417581	61.62%	3.818%
86	15.092	2209	2211	2214	rVB	488994	418974	18.21%	1.129%
87	15.168	2221	2224	2228	rVB	190828	204098	8.87%	0.550%
88	15.374	2254	2259	2264	rVB	520597	677031	29.43%	1.824%
89	15.439	2264	2270	2276	rBV	763826	995189	43.26%	2.681%
90	15.498	2276	2280	2283	rVV	333705	415395	18.06%	1.119%
91	15.527	2283	2285	2293	rVB2	203973	292907	12.73%	0.789%
92	15.945	2353	2356	2361	rVB4	31346	51169	2.22%	0.138%
93	15.992	2361	2364	2369	rBV5	24793	51954	2.26%	0.140%
94	16.074	2375	2378	2383	rVB2	38952	51848	2.25%	0.140%
95	16.833	2503	2507	2515	rVB3	56138	125968	5.48%	0.339%
96	17.003	2530	2536	2546	rVB2	233470	532392	23.14%	1.434%
97	17.198	2563	2569	2573	rBV2	48980	96504	4.19%	0.260%
98	17.256	2575	2579	2584	rVV2	33201	57835	2.51%	0.156%
99	17.468	2607	2615	2625	rBV	171882	390503	16.97%	1.052%
100	17.703	2651	2655	2662	rVB2	47465	83860	3.65%	0.226%

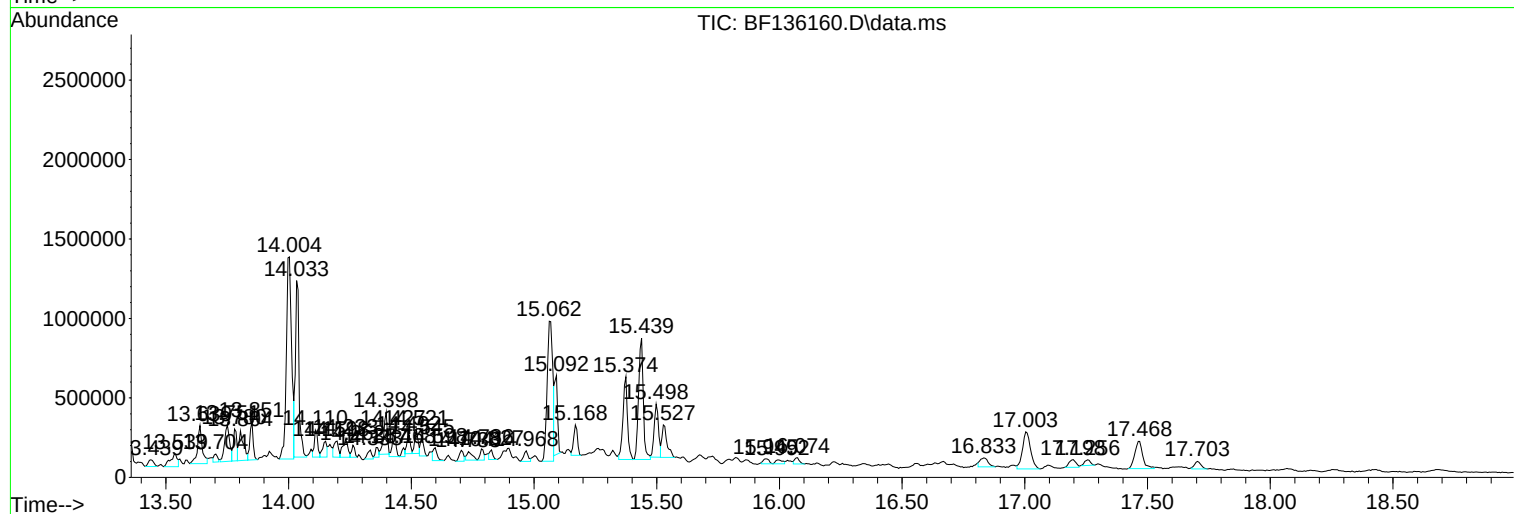
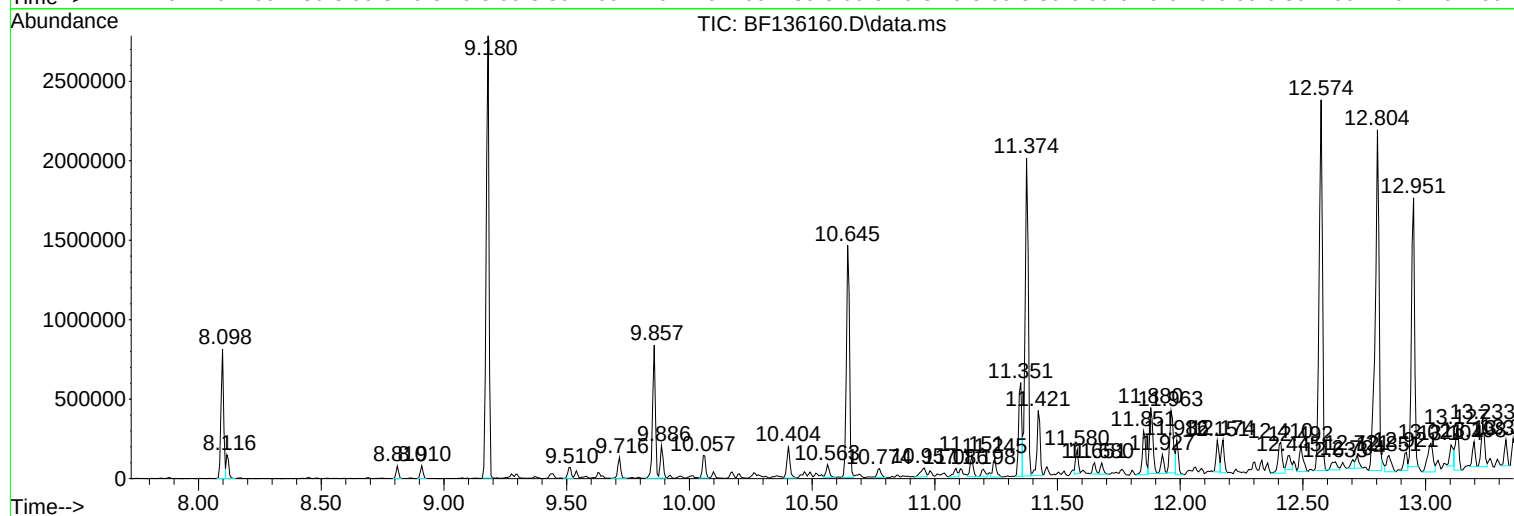
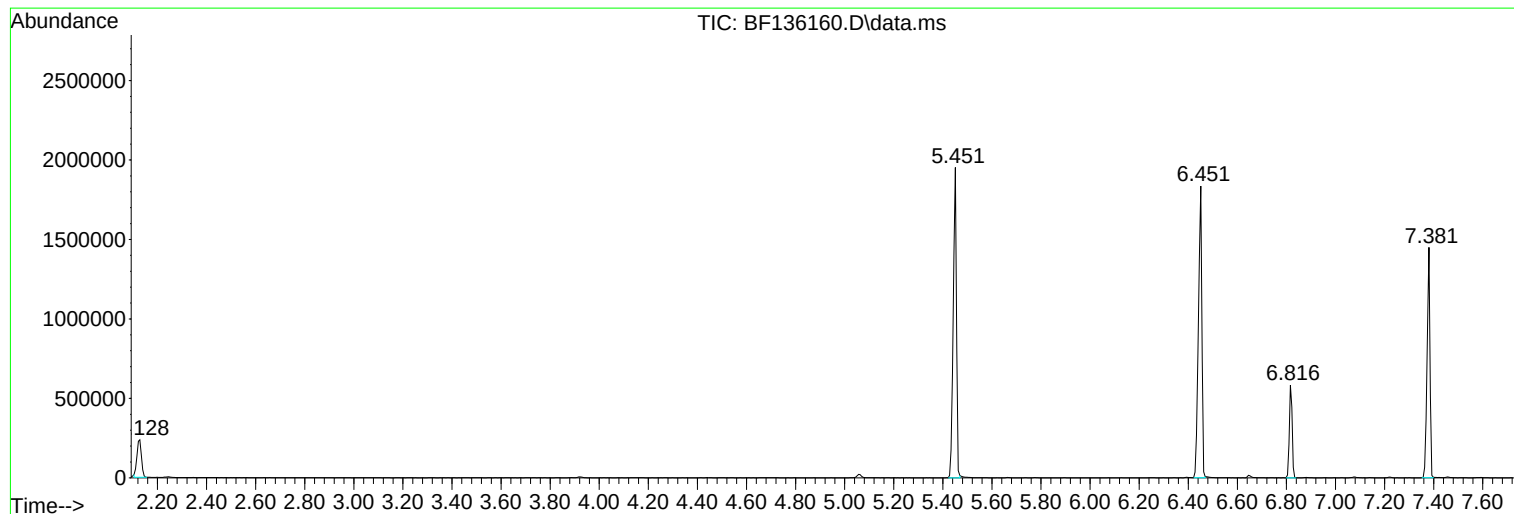
Sum of corrected areas: 37126560

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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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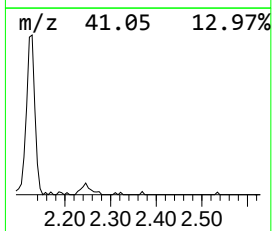
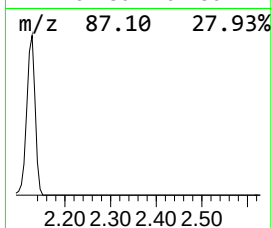
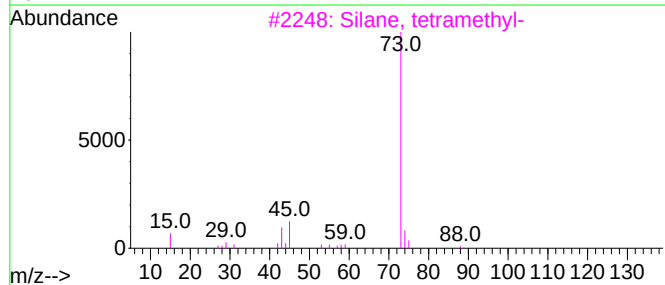
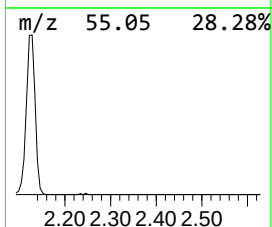
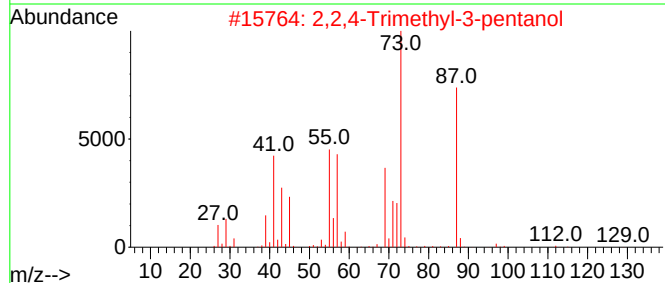
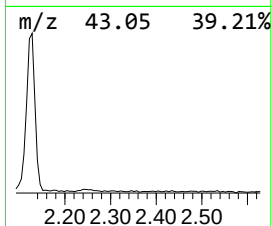
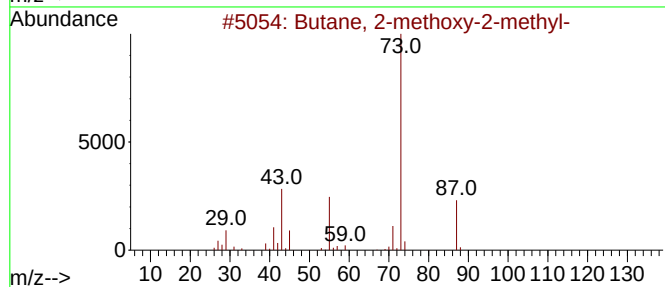
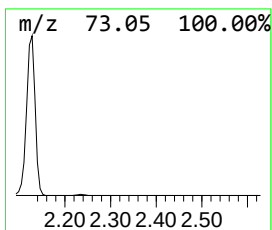
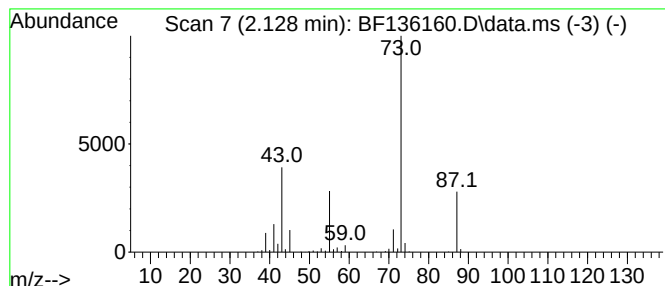
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	12.86 ng	300943	1,4-Dichlorobenzene-d4	6.816

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
4			1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



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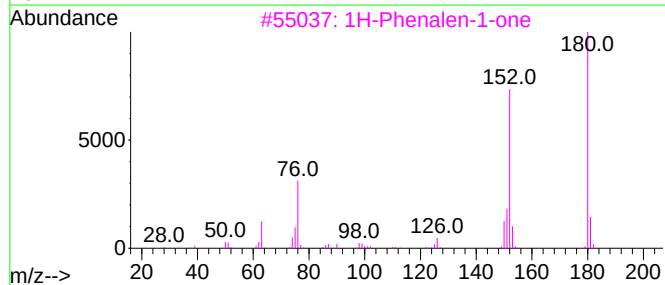
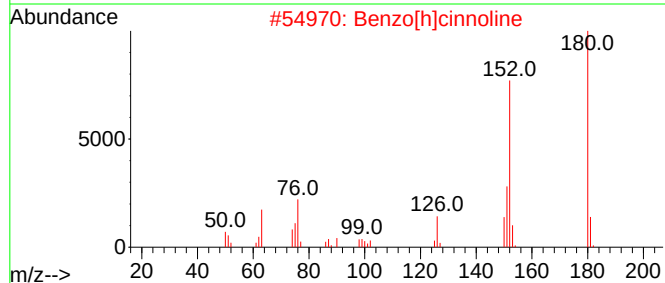
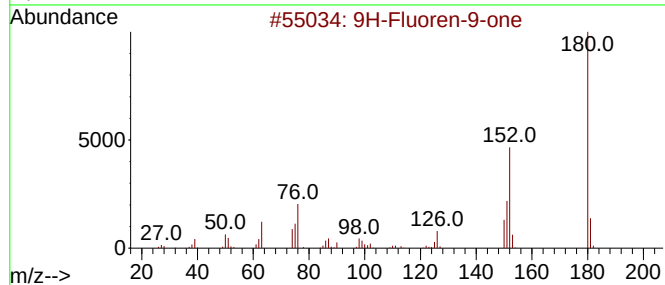
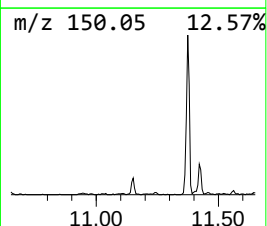
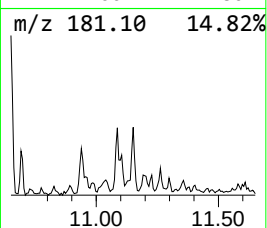
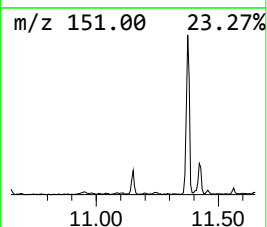
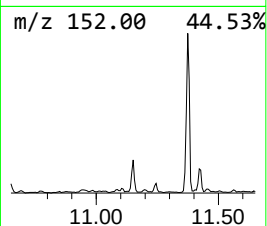
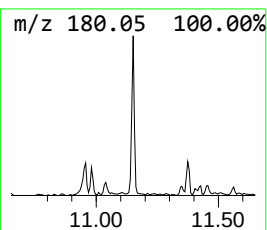
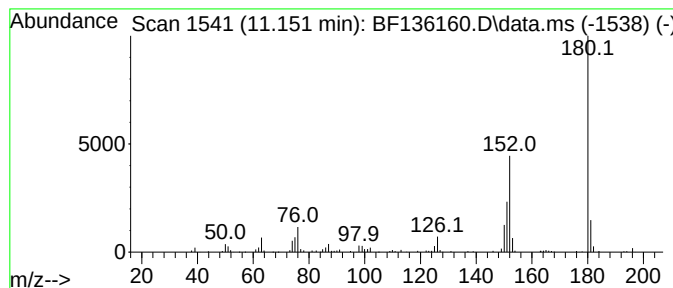
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.151	4.09 ng	110118	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
4			Phenazine	180	C12H8N2	000092-82-0	43
5			1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	42



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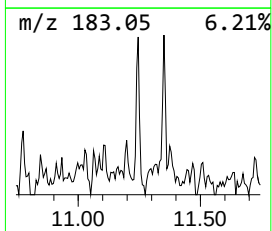
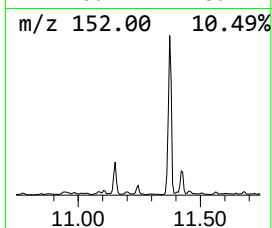
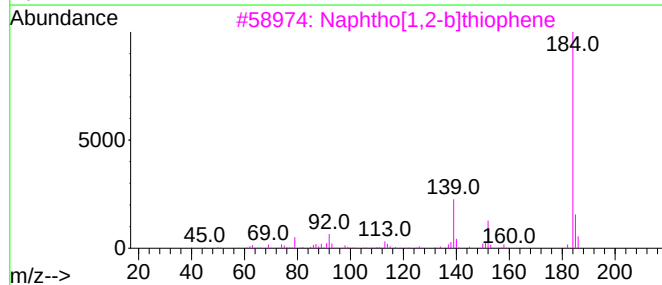
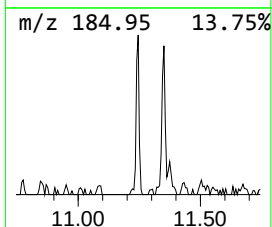
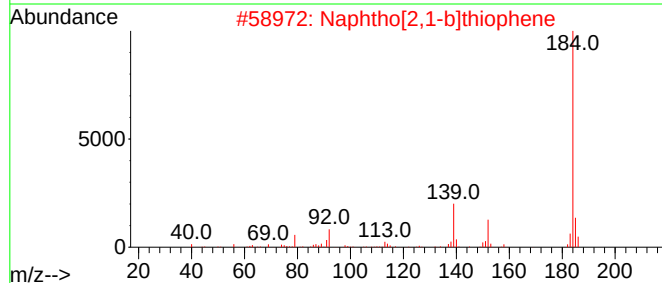
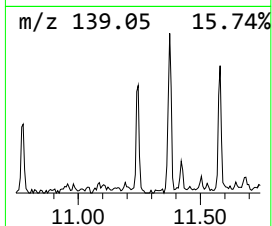
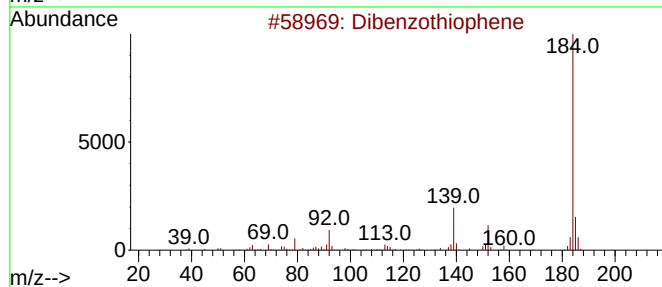
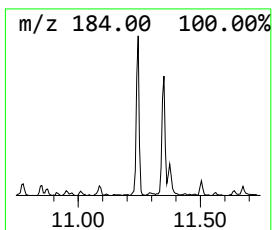
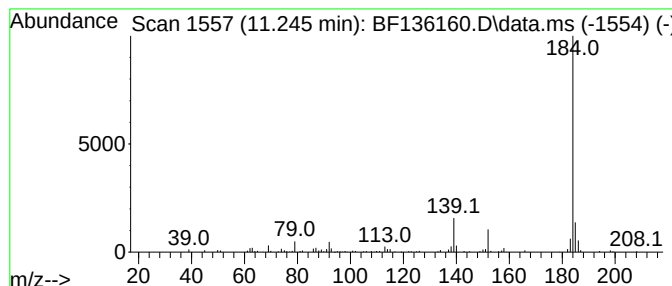
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.245	4.26 ng	114686	Phenanthrene-d10		11.351	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dibenzothiophene		184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene		184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene		184	C12H8S	000234-41-3	90
4	Azuleno(2,1-b)thiophene		184	C12H8S	000248-13-5	87
5	1,1'-Biphenyl, 2-methoxy-		184	C13H12O	000086-26-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-11

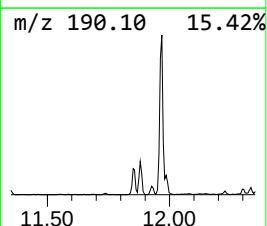
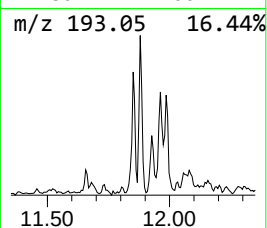
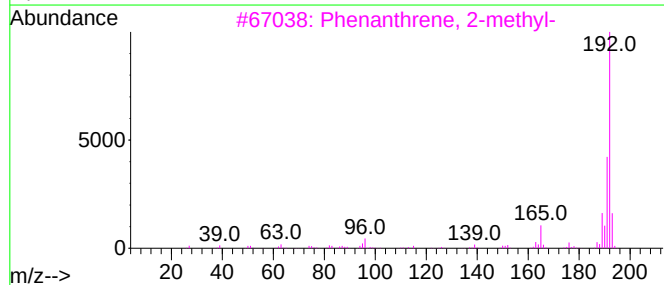
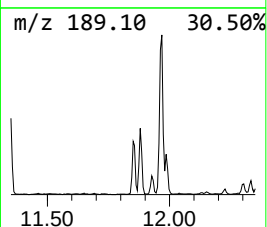
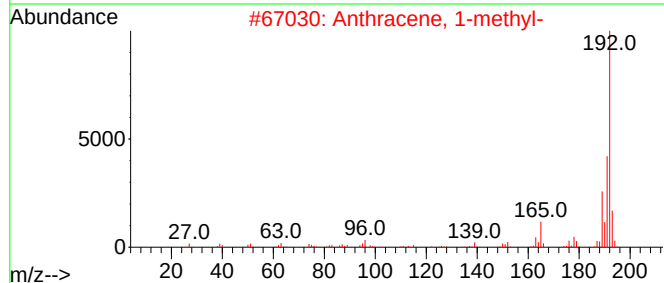
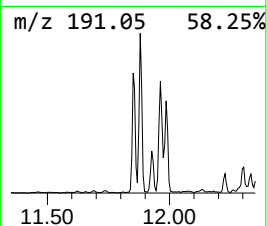
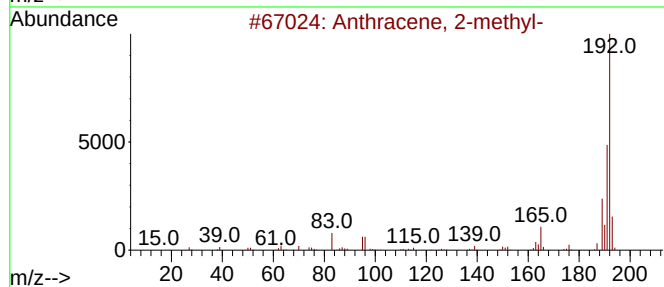
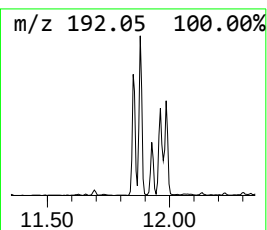
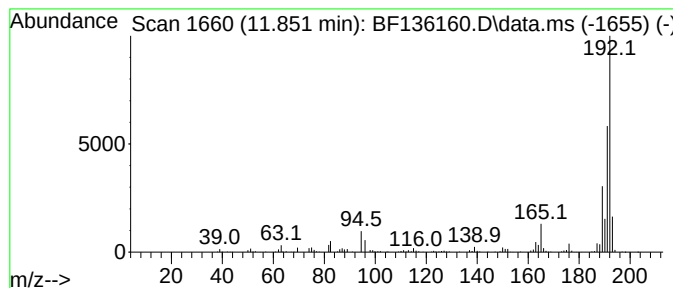
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	10.07 ng	271429	Phenanthrene-d10	11.351

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
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ClientSampleId :
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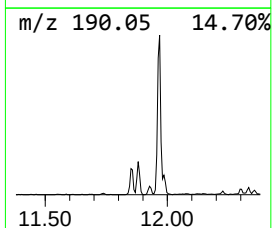
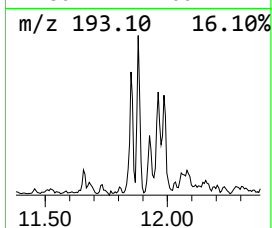
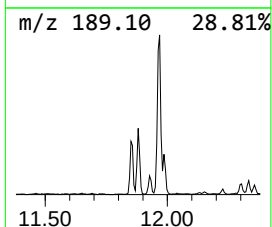
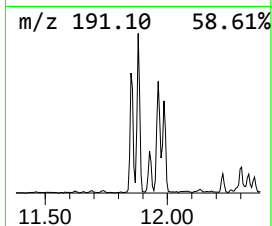
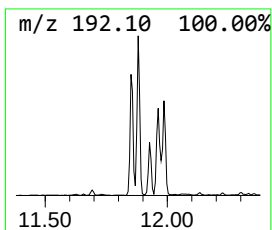
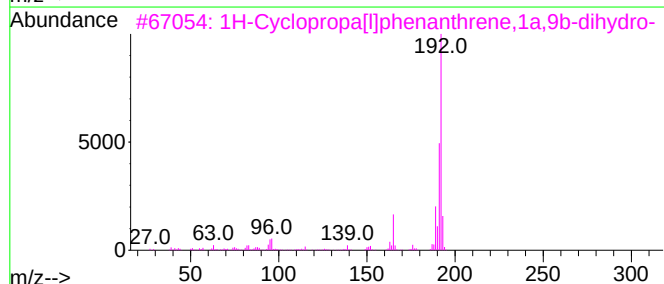
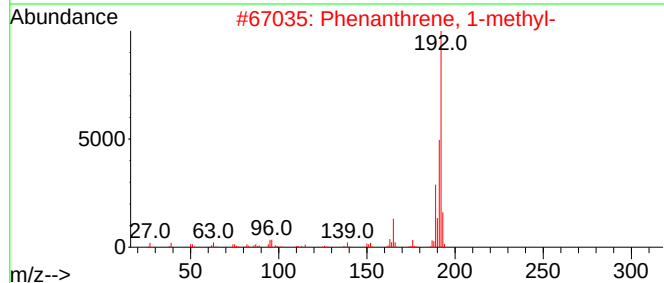
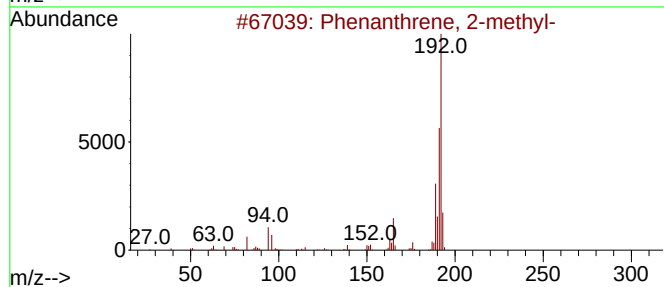
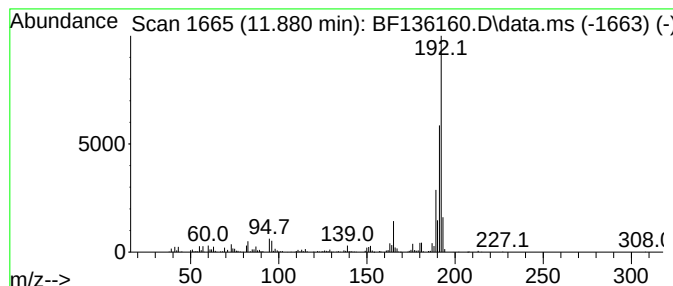
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	14.18 ng	382220	Phenanthrene-d10	11.351

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			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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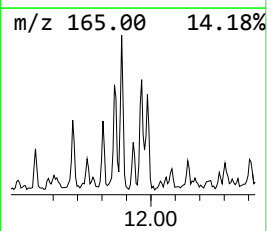
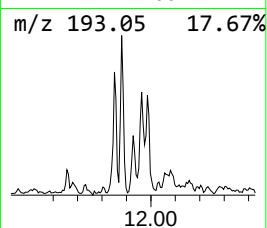
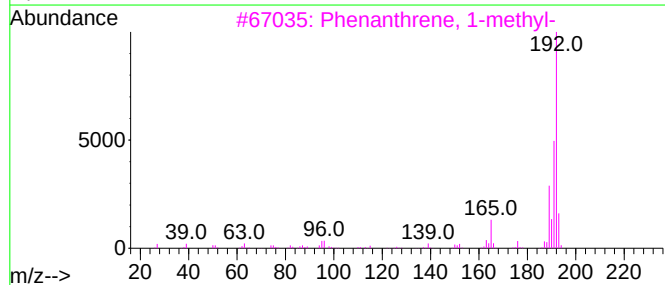
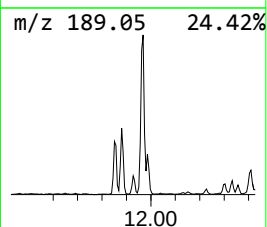
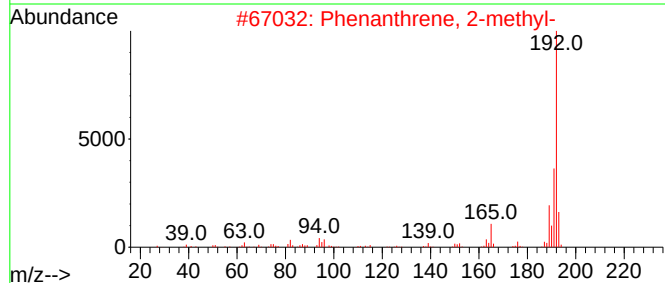
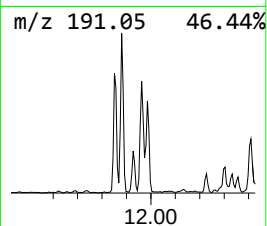
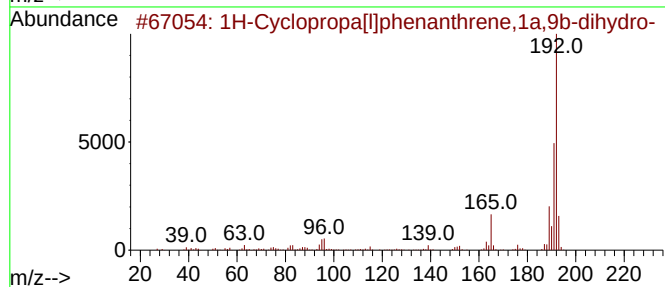
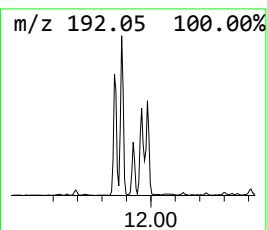
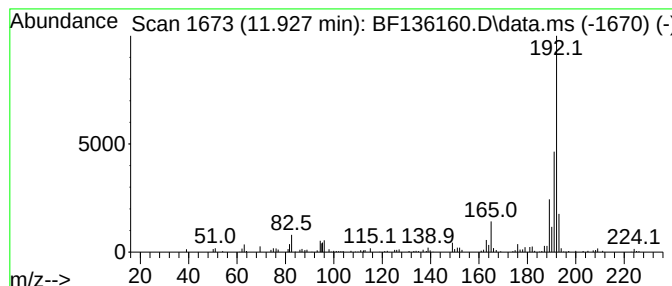
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.77 ng	101716	Phenanthrene-d10	11.351

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
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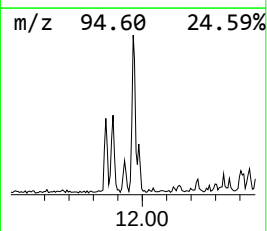
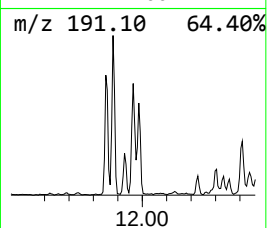
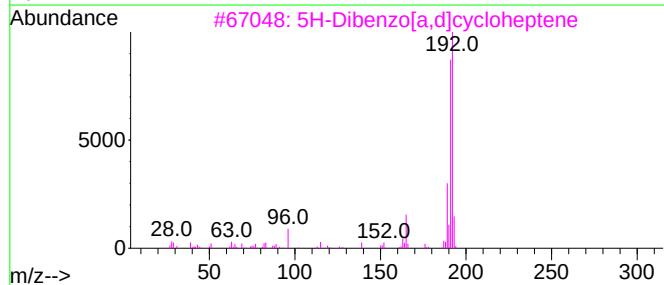
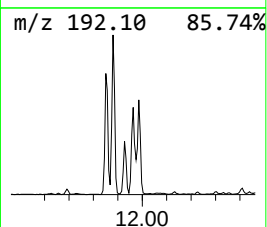
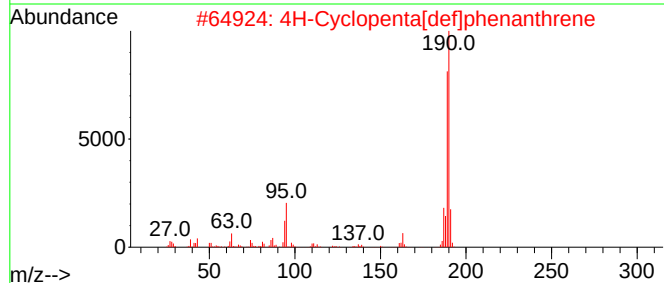
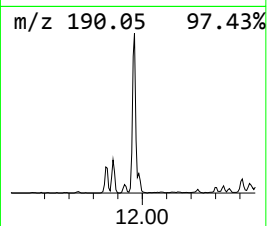
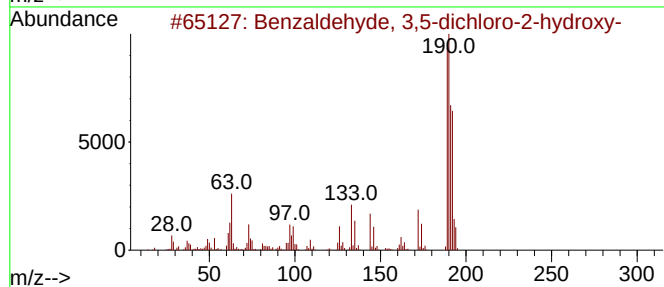
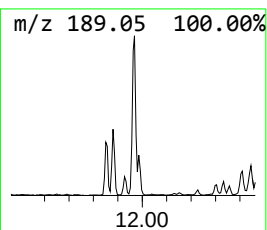
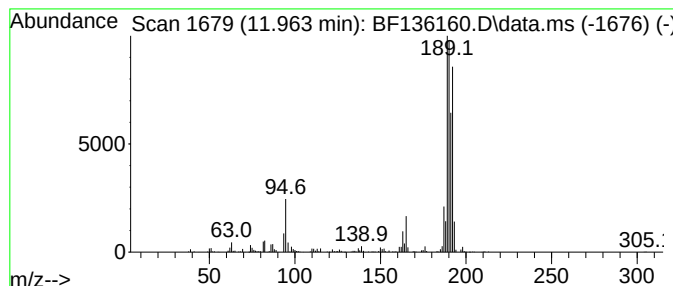
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.963	16.05 ng	432510	Phenanthrene-d10		11.351	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...		190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	55
3	5H-Dibenzo[a,d]cycloheptene		192	C15H12	000256-81-5	42
4	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	42
5	Anthracene, 1-methyl-		192	C15H12	000610-48-0	41



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
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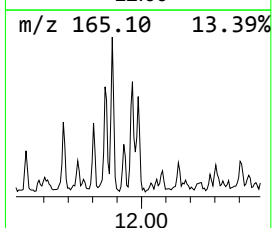
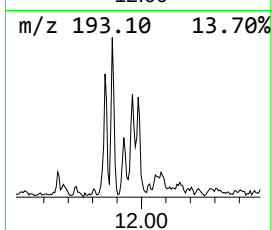
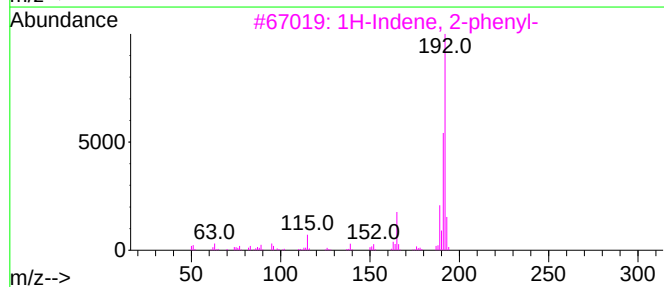
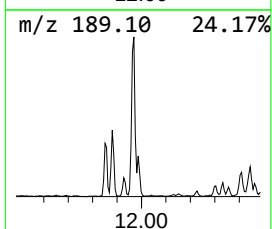
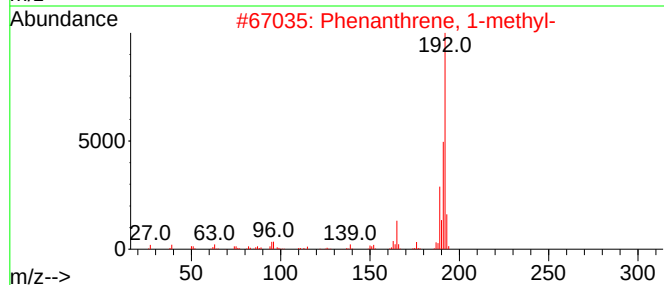
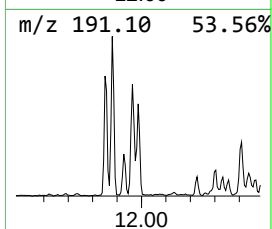
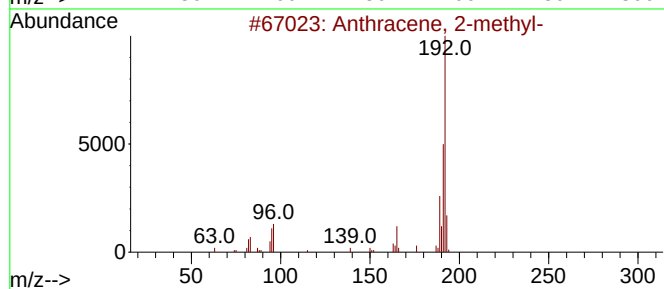
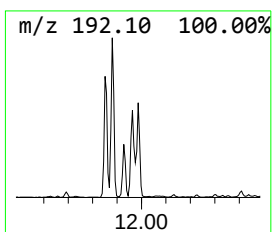
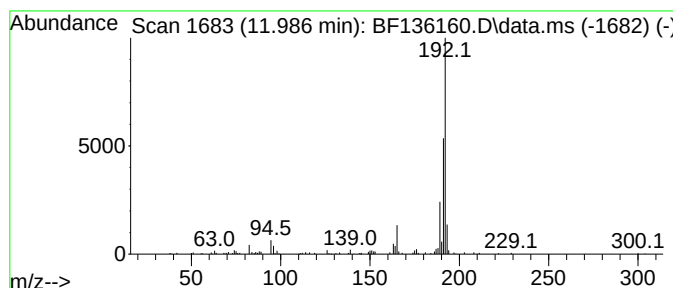
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.986	5.13 ng	138248	Phenanthrene-d10	11.351	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
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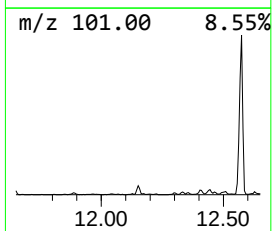
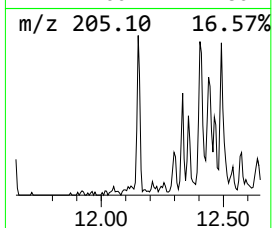
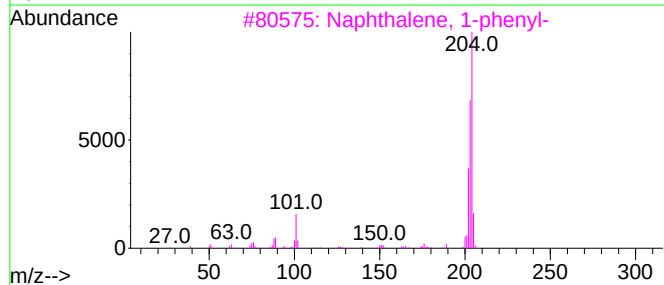
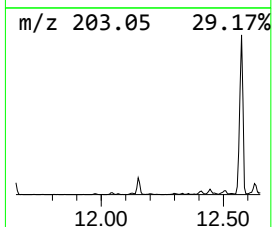
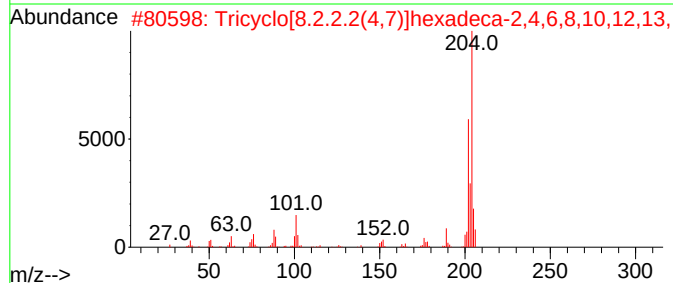
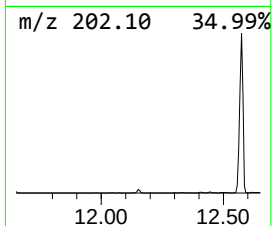
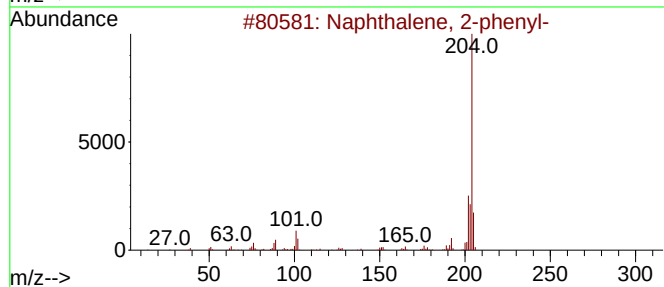
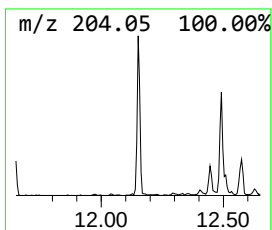
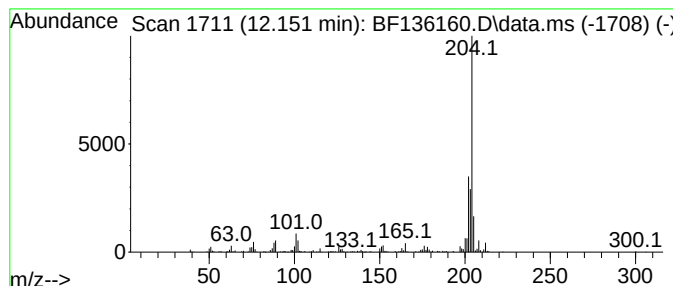
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	6.23 ng	167979	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
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Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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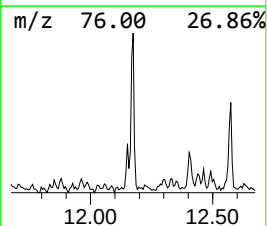
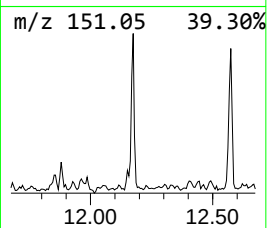
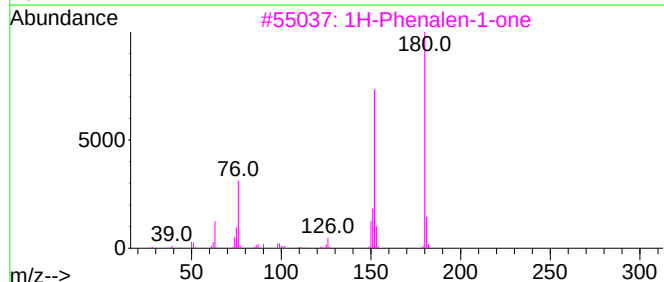
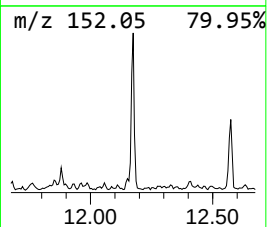
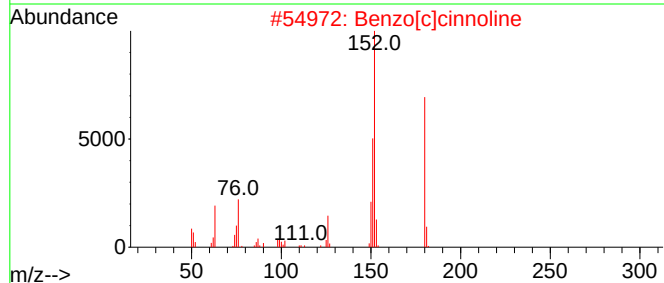
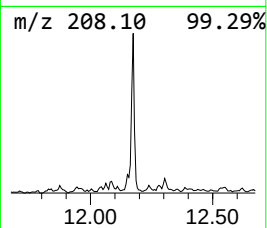
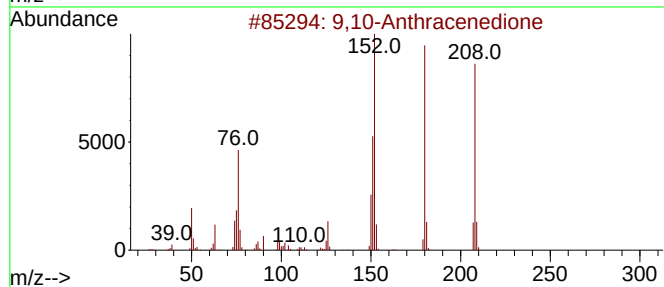
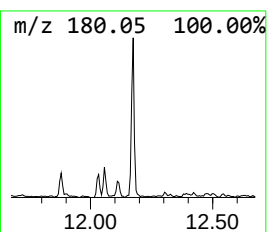
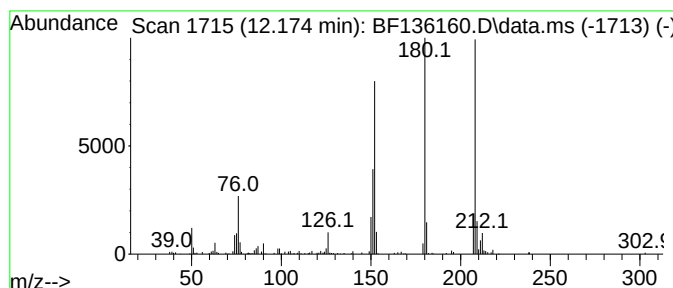
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	6.08 ng	163861	Phenanthrene-d10	11.351

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-11

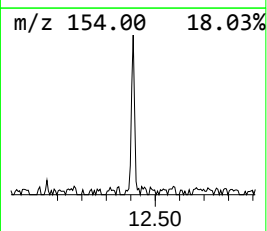
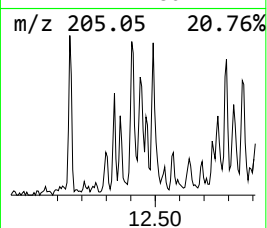
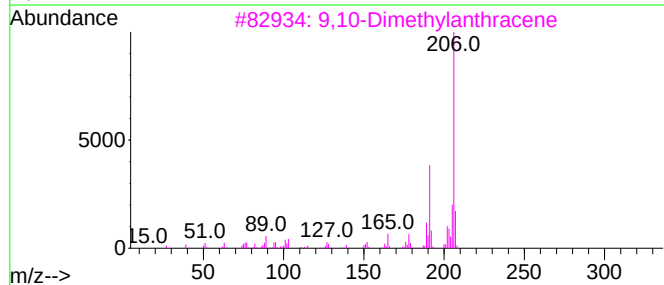
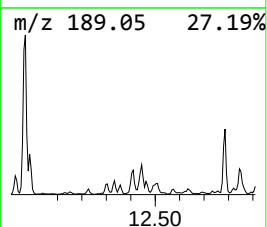
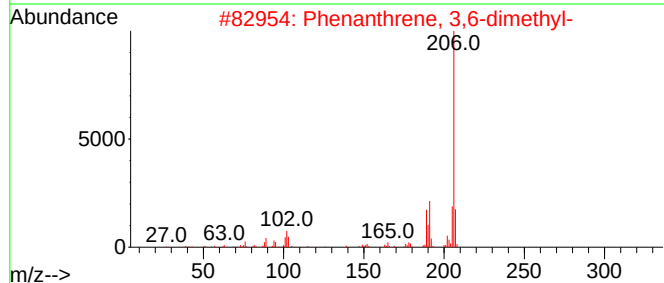
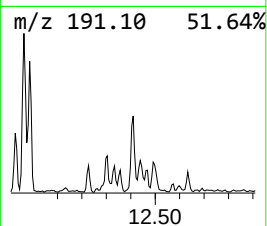
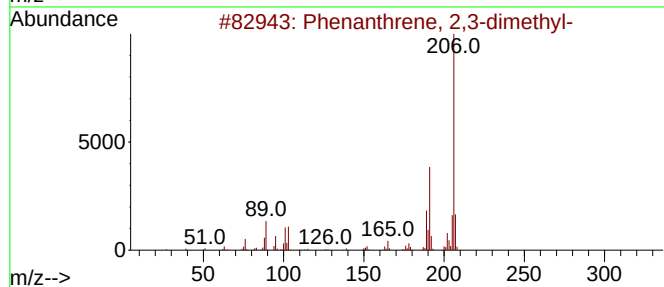
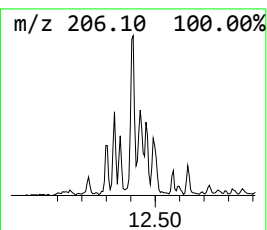
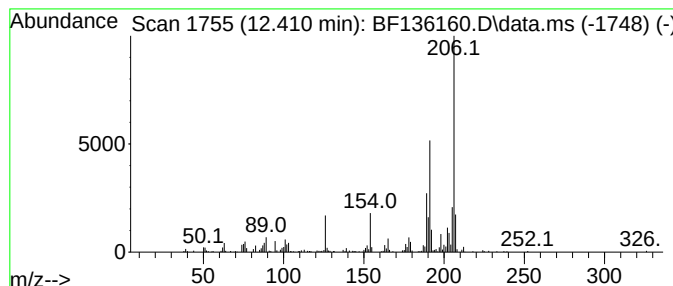
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	8.56 ng	230796	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
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Sample : 05256-05
Misc :
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ClientSampleId :
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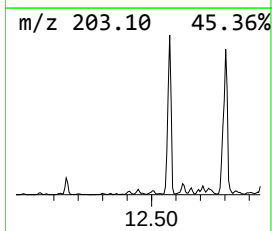
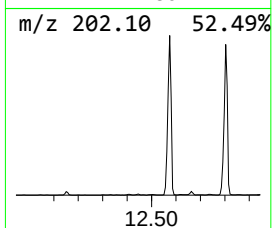
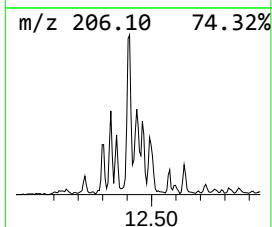
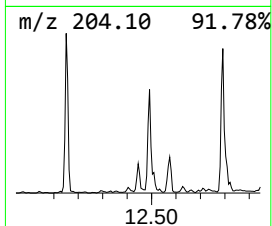
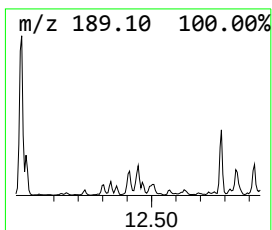
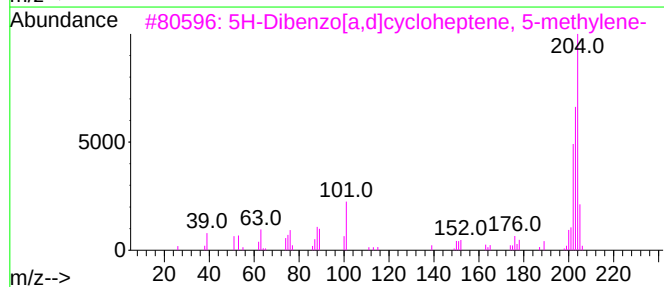
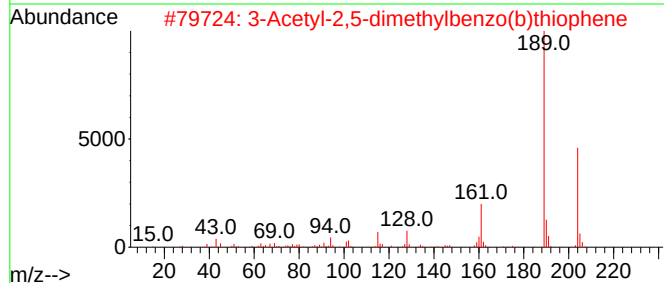
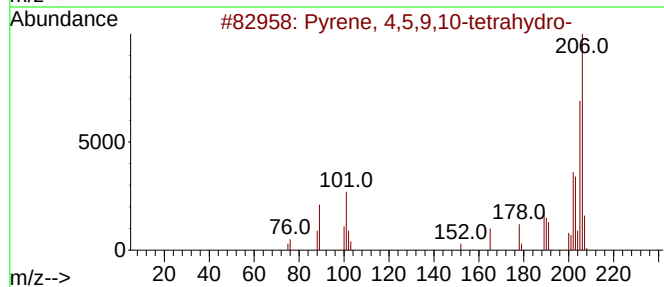
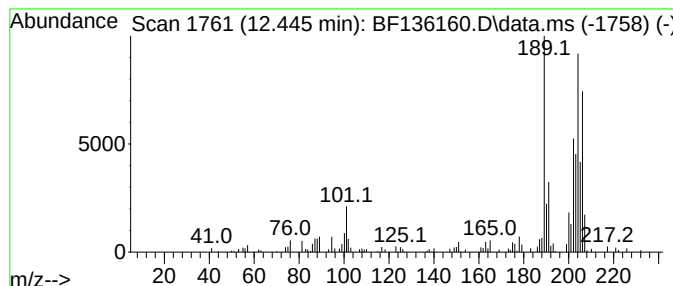
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.445 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	3.88 ng	104554	Phenanthrene-d10	11.351

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38	
2	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	30	
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30	
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30	
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	25	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
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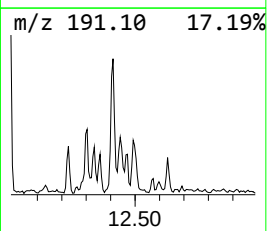
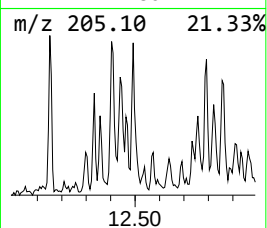
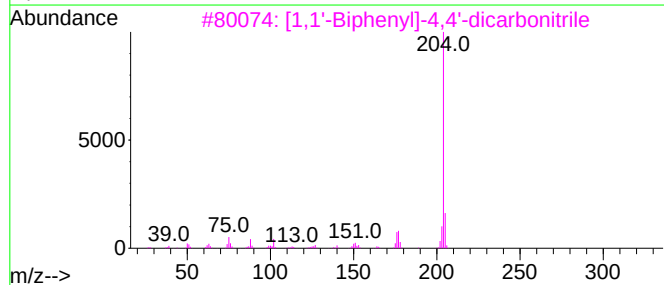
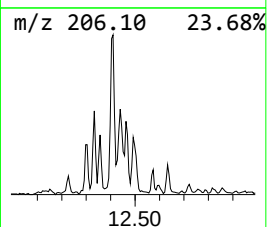
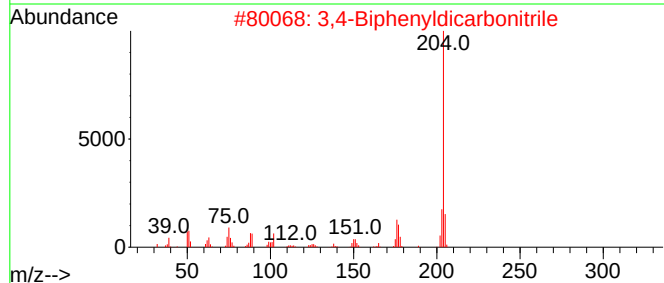
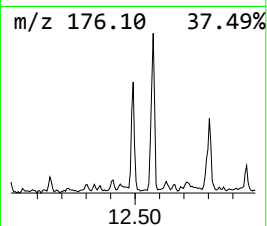
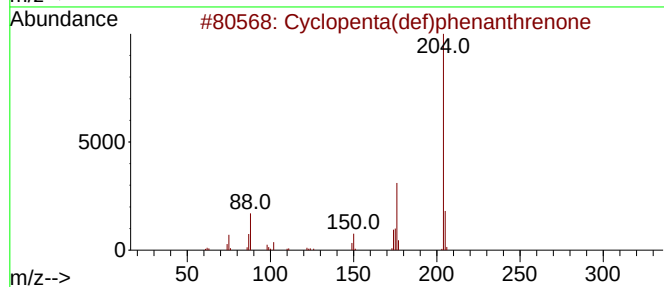
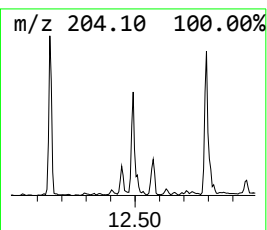
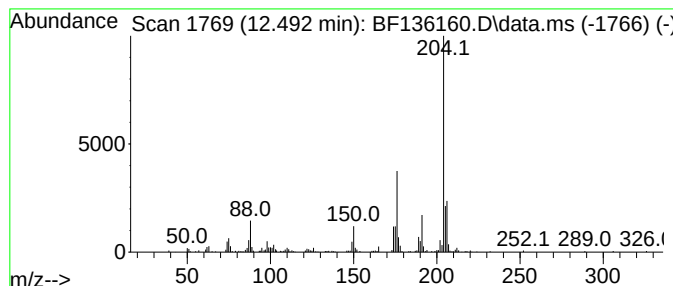
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	6.55 ng	176440	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
4			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
5			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
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Sample : 05256-05
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ALS Vial : 13 Sample Multiplier: 1

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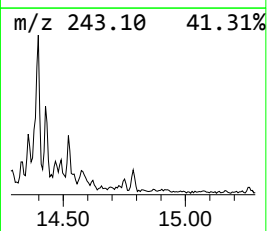
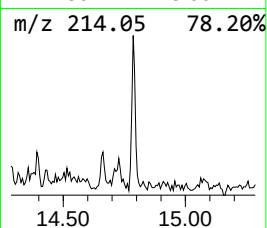
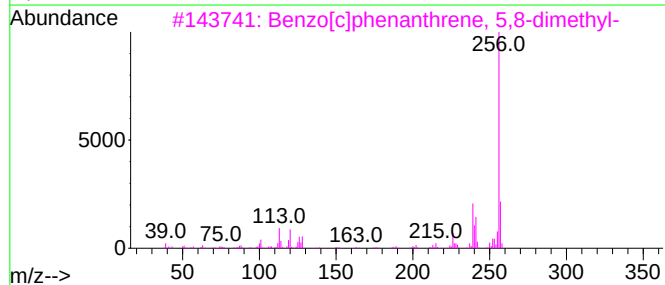
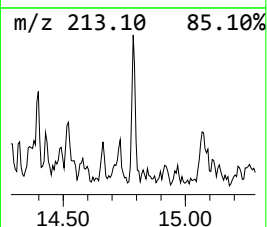
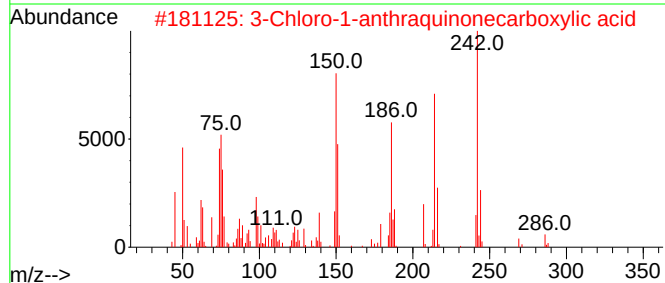
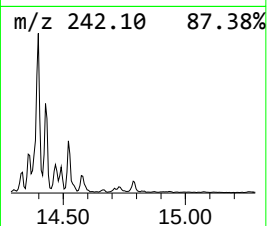
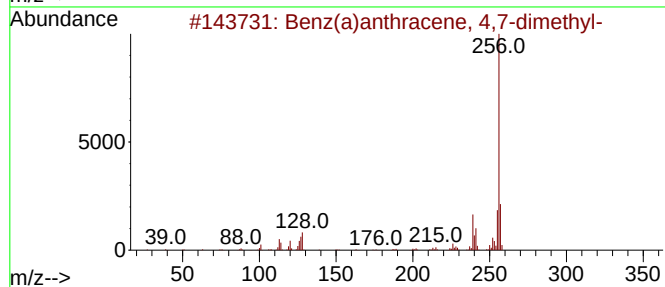
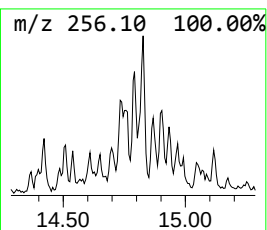
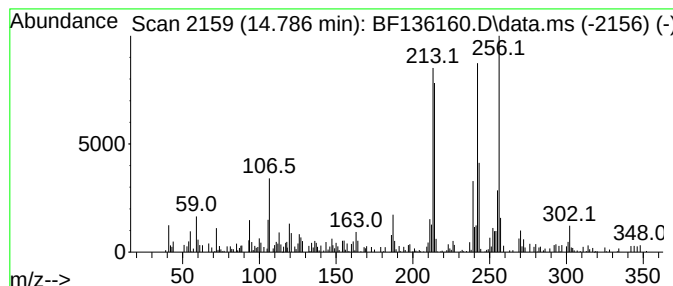
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown14.786 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	3.65 ng	75797	Perylene-d12	15.498

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	25
2		3-Chloro-1-anthraquinonecarboxyl...	286	C15H7ClO4	025186-71-4	25
3		Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	25
4		Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	25
5		Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

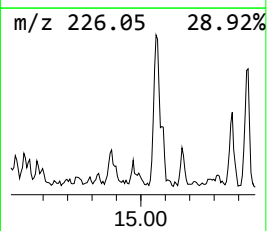
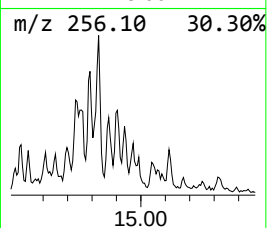
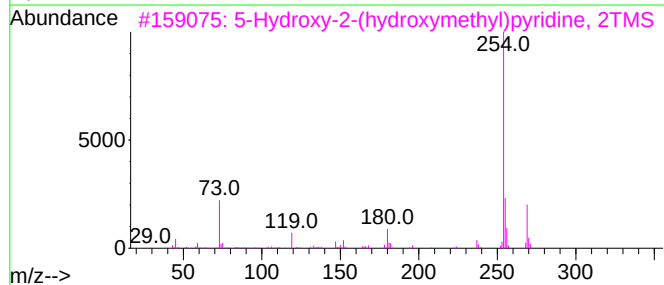
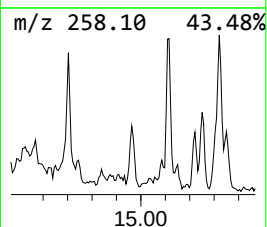
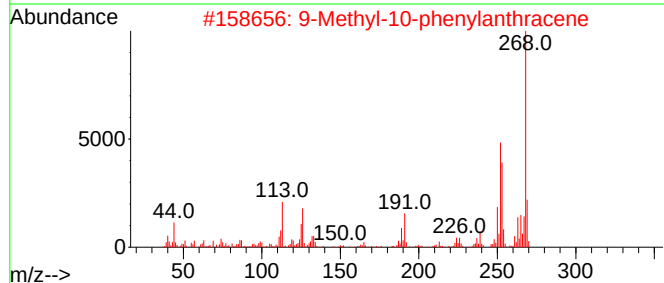
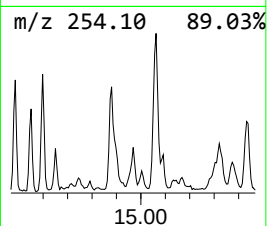
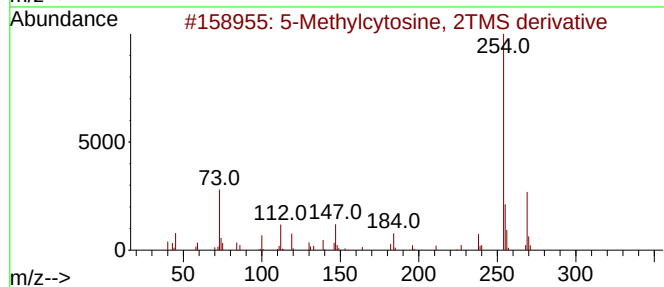
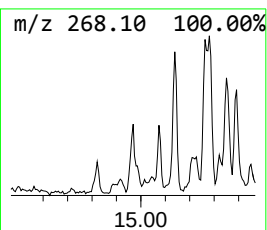
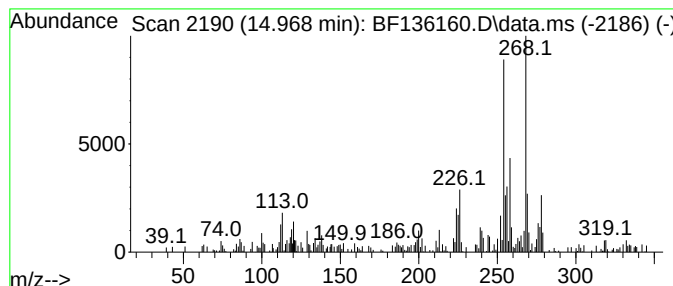
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.968 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.968	4.13 ng	85728	Perylene-d12	15.498		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		5-Methylcytosine, 2TMS derivative	269	C11H23N3OSi2	032865-88-6	30
2		9-Methyl-10-phenylanthracene	268	C21H16	013425-08-6	25
3		5-Hydroxy-2-(hydroxymethyl)pyrid...	269	C12H23N02Si2	1453812-47-9	22
4		Simeton, TMS derivative	269	C11H23N5OSi	1000485-51-4	20
5		2-(4-Fluorophenyl)imidazo[2,1-b]...	268	C15H9FN2S	007067-87-0	20



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
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Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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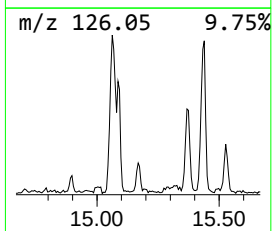
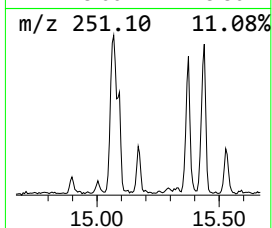
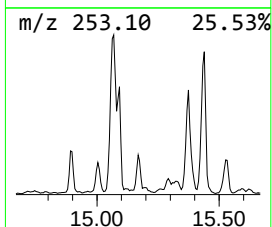
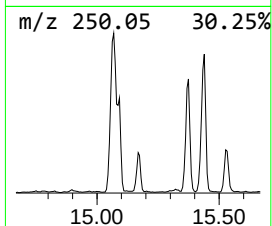
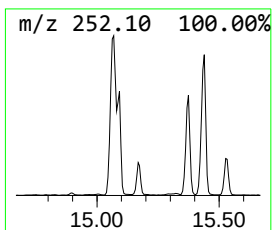
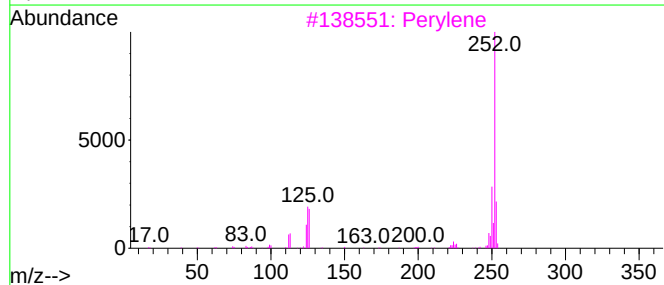
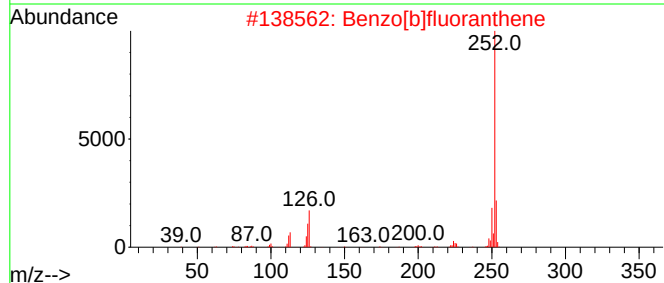
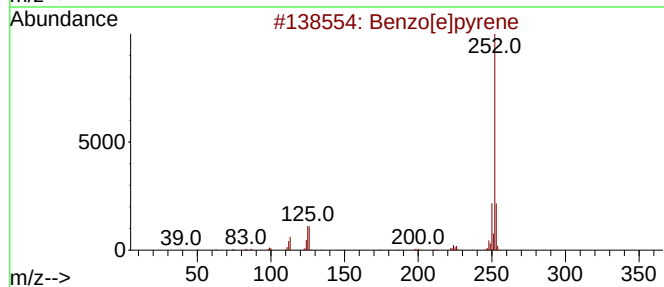
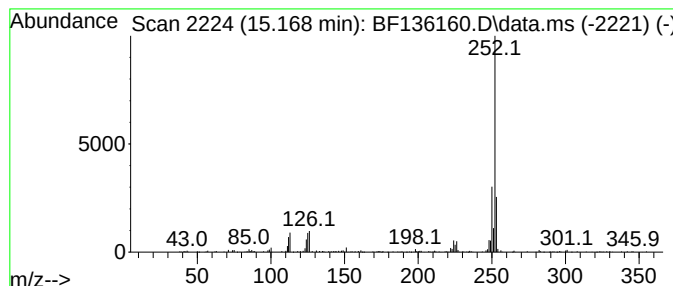
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.168	9.83 ng	204098	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	90
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
3			Perylene	252	C20H12	000198-55-0	89
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
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Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-11

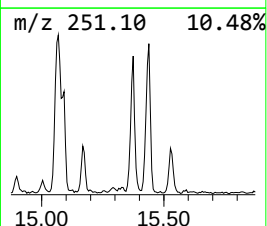
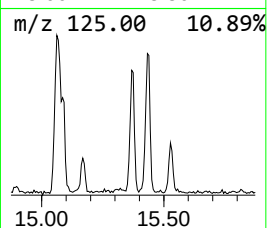
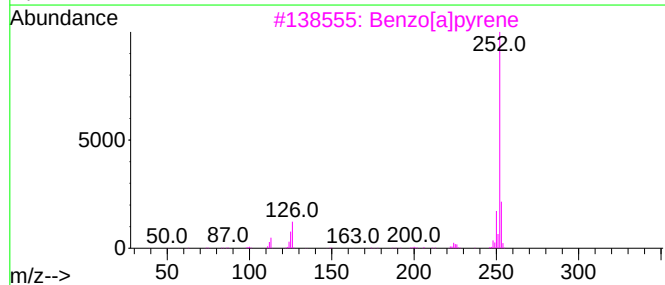
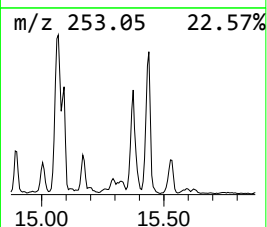
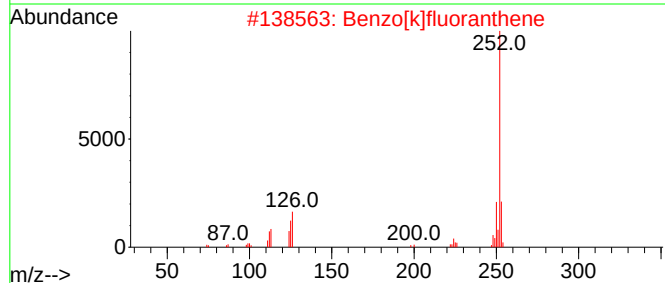
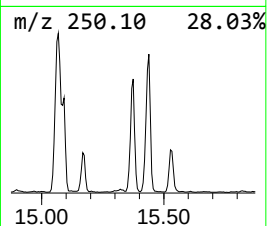
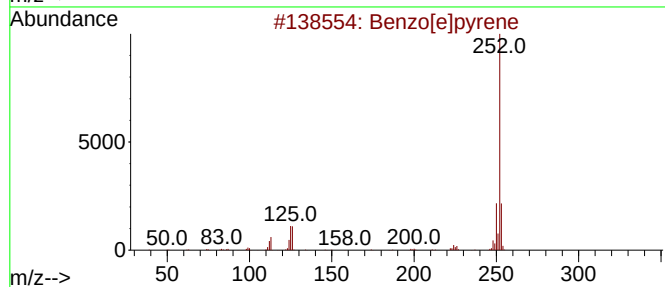
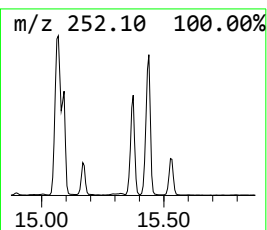
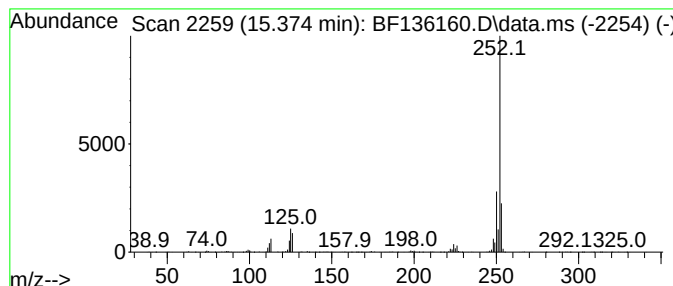
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.374	32.60 ng	677031	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Benzo[a]pyrene	252	C20H12	000050-32-8	93
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5			Perylene	252	C20H12	000198-55-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-11

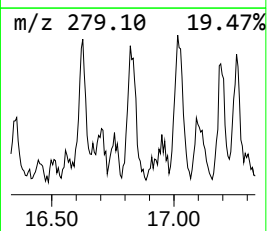
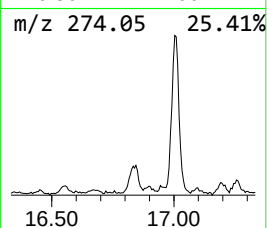
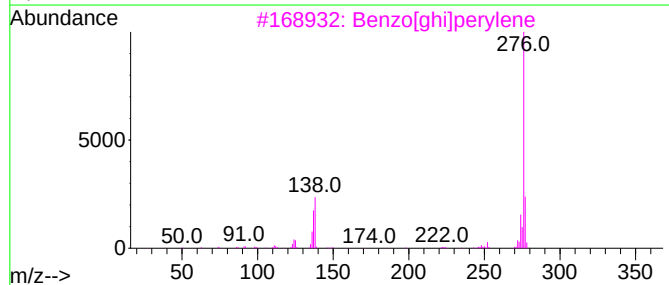
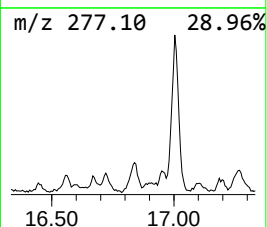
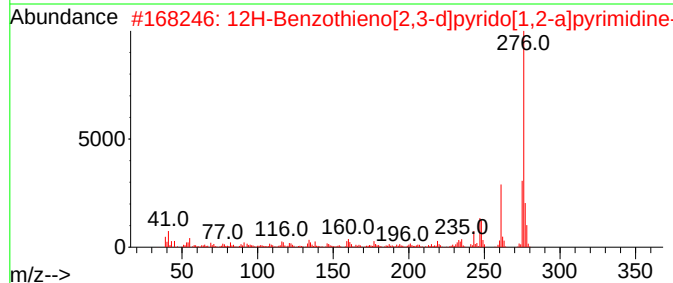
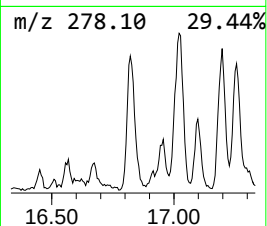
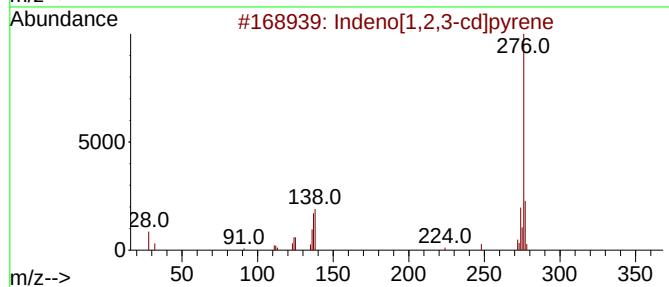
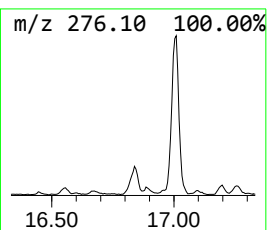
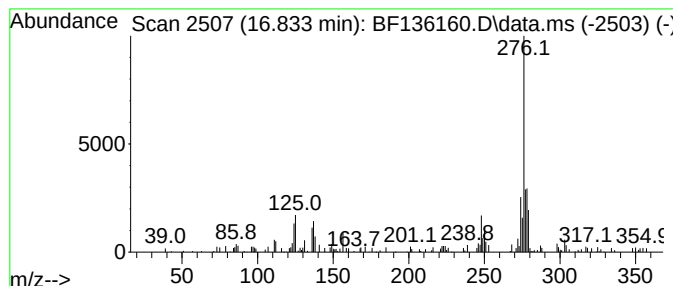
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown16.833 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	6.06 ng	125968	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	55
2			12H-Benzothieno[2,3-d]pyrido[1,2...	276	C14H16N2S2	102254-63-7	47
3			Benzo[ghi]perylene	276	C22H12	000191-24-2	46
4			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	46
5			7-Methoxy-1-phenyl-4,5-dihydro-1...	276	C18H16N2O	1010332-52-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-11

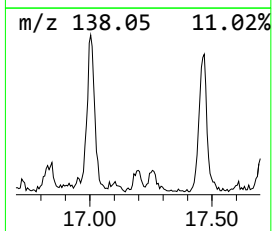
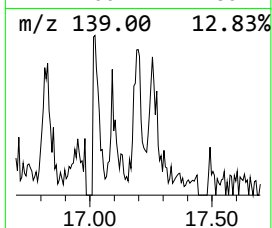
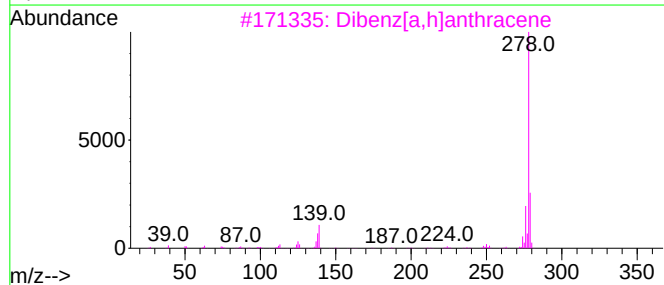
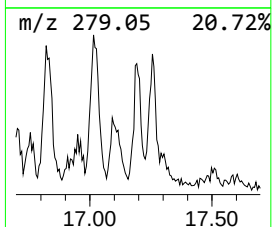
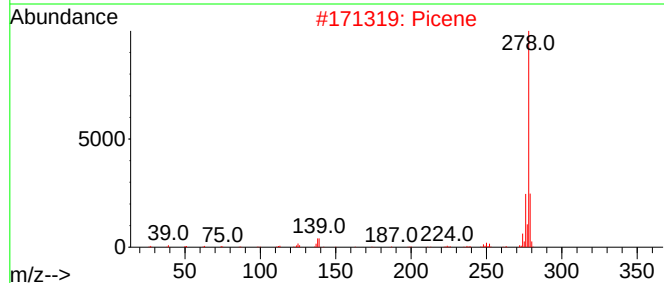
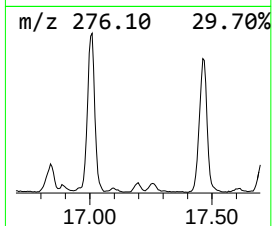
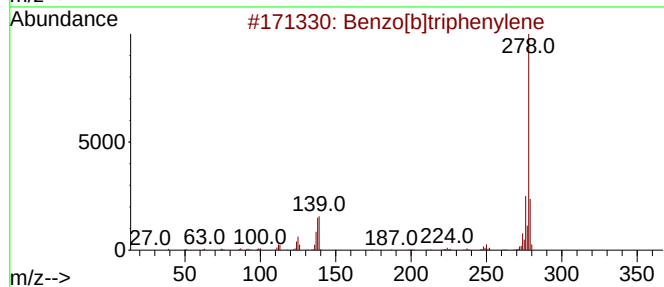
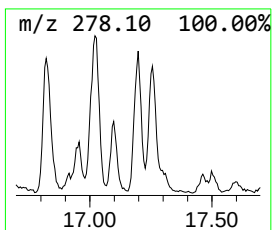
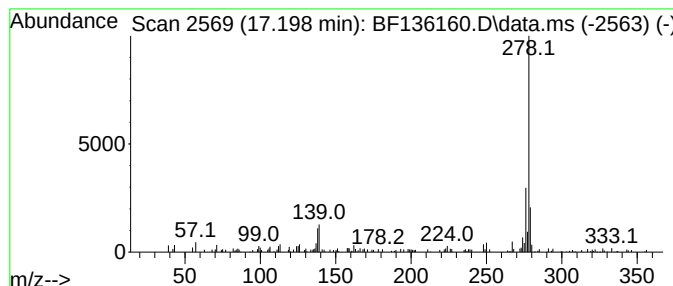
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.198	4.65 ng	96504	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2			Picene	278	C22H14	000213-46-7	91
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
4			Pentacene	278	C22H14	000135-48-8	89
5			Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-11

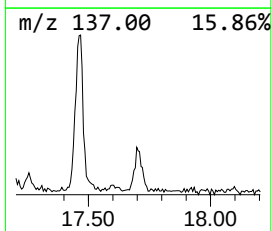
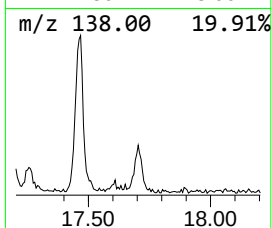
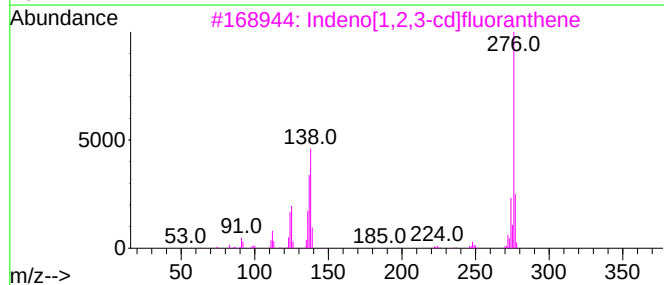
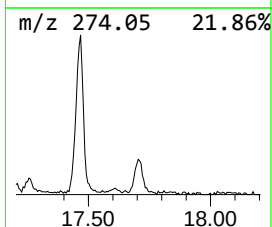
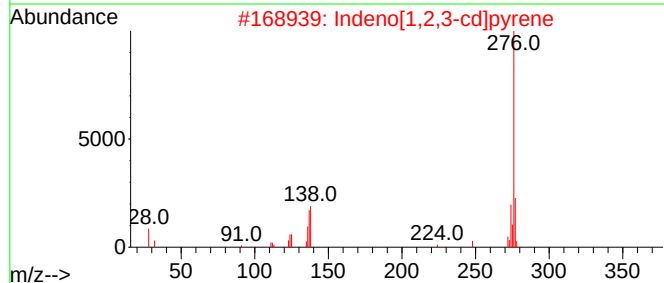
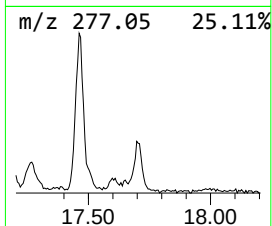
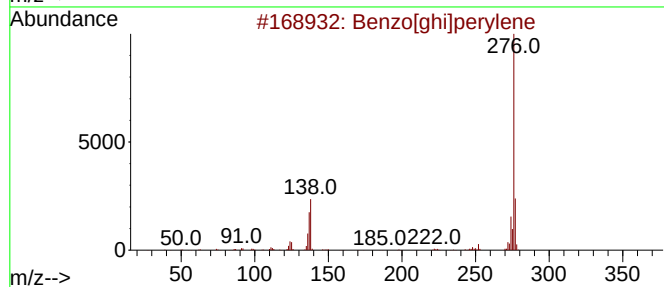
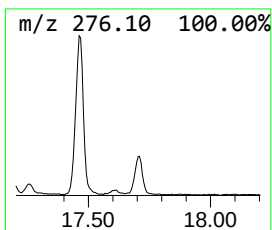
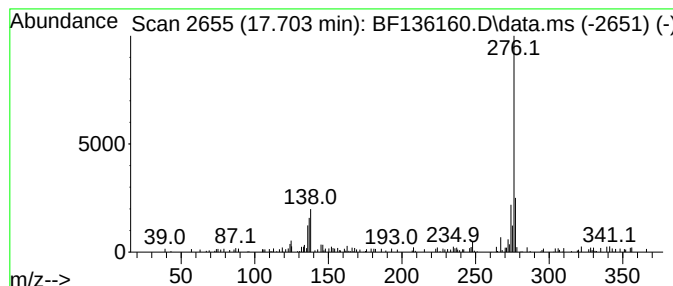
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Indeno[1,2,3-cd]fluoranthene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.703	4.04 ng	83860	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
3			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	91
4			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
5			2-Amino-3-cyano-4,5-diphenylthio...	276	C17H12N2S	042160-34-9	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
Acq On : 06 Nov 2023 17:59
Operator : CG\JU
Sample : 05256-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.128	12.9	ng	300943	1	6.816	468022	20.0
9H-Fluoren-9-one	11.151	4.1	ng	110118	4	11.351	538993	20.0
Dibenzothiophene	11.245	4.3	ng	114686	4	11.351	538993	20.0
Anthracene, 2-m...	11.851	10.1	ng	271429	4	11.351	538993	20.0
Phenanthrene, 2...	11.880	14.2	ng	382220	4	11.351	538993	20.0
1H-Cyclopropa[1...	11.927	3.8	ng	101716	4	11.351	538993	20.0
Benzaldehyde, 3...	11.963	16.1	ng	432510	4	11.351	538993	20.0
Phenanthrene, 1...	11.986	5.1	ng	138248	4	11.351	538993	20.0
Naphthalene, 2-...	12.151	6.2	ng	167979	4	11.351	538993	20.0
9,10-Anthracene...	12.174	6.1	ng	163861	4	11.351	538993	20.0
Phenanthrene, 2...	12.410	8.6	ng	230796	4	11.351	538993	20.0
unknown12.445	12.445	3.9	ng	104554	4	11.351	538993	20.0
Cyclopenta(def)...	12.492	6.5	ng	176440	4	11.351	538993	20.0
unknown14.786	14.786	3.6	ng	75797	6	15.498	415395	20.0
unknown14.968	14.968	4.1	ng	85728	6	15.498	415395	20.0
Benzo[e]pyrene	15.168	9.8	ng	204098	6	15.498	415395	20.0
Perylene	15.374	32.6	ng	677031	6	15.498	415395	20.0
unknown16.833	16.833	6.1	ng	125968	6	15.498	415395	20.0
Benzo[b]triphen...	17.198	4.7	ng	96504	6	15.498	415395	20.0
Indeno[1,2,3-cd...	17.703	4.0	ng	83860	6	15.498	415395	20.0