

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
 Data File : BF136301.D
 Acq On : 30 Nov 2023 00:34
 Operator : CG\JU
 Sample : 05312-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-4(170FT)(5-10)

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-BF112723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136301.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.428	565	568	572	rBV	510591	420043	15.07%	1.390%
2	6.428	735	738	750	rVB	501153	431522	15.49%	1.428%
3	6.804	798	802	805	rBV	777507	589317	21.15%	1.951%
4	7.063	842	846	851	rBV	74095	67796	2.43%	0.224%
5	7.357	892	896	901	rBV	323688	253281	9.09%	0.838%
6	8.081	1013	1019	1021	rBV	796163	843622	30.27%	2.792%
7	8.104	1021	1023	1026	rVV	3483142	2786574	100.00%	9.223%
8	8.151	1026	1031	1038	rVB	100228	103996	3.73%	0.344%
9	8.675	1117	1120	1124	rBV	51445	39950	1.43%	0.132%
10	8.792	1137	1140	1143	rVB	538894	397312	14.26%	1.315%
11	8.892	1153	1157	1160	rVB	301711	232251	8.33%	0.769%
12	9.157	1198	1202	1205	rBV	650668	478207	17.16%	1.583%
13	9.257	1212	1219	1222	rBV2	169369	204793	7.35%	0.678%
14	9.416	1242	1246	1251	rBV2	69875	101580	3.65%	0.336%
15	9.492	1254	1259	1262	rVV	109257	114789	4.12%	0.380%
16	9.522	1262	1264	1267	rVV	78410	64552	2.32%	0.214%
17	9.563	1267	1271	1273	rVV2	62151	62317	2.24%	0.206%
18	9.610	1277	1279	1284	rVB2	41703	53251	1.91%	0.176%
19	9.698	1290	1294	1297	rBV	346887	285166	10.23%	0.944%
20	9.775	1304	1307	1311	rVB	144452	105934	3.80%	0.351%
21	9.839	1311	1318	1321	rBV	736974	697575	25.03%	2.309%
22	9.869	1321	1323	1327	rVB	128517	106352	3.82%	0.352%
23	10.004	1340	1346	1349	rBV7	17956	38157	1.37%	0.126%
24	10.039	1349	1352	1355	rBV	460505	393493	14.12%	1.302%
25	10.098	1360	1362	1366	rVB3	37402	38739	1.39%	0.128%
26	10.275	1389	1392	1395	rBV	211975	164114	5.89%	0.543%
27	10.386	1408	1411	1417	rBV	734133	573255	20.57%	1.897%
28	10.498	1424	1430	1433	rBV	126884	140670	5.05%	0.466%
29	10.545	1435	1438	1442	rVB	102070	84790	3.04%	0.281%
30	10.628	1447	1452	1456	rVV3	245617	297286	10.67%	0.984%
31	10.675	1456	1460	1464	rVB6	26472	42841	1.54%	0.142%
32	10.751	1470	1473	1481	rBV	355035	461375	16.56%	1.527%
33	10.939	1500	1505	1507	rBV2	80674	98276	3.53%	0.325%
34	11.092	1524	1531	1535	rBV4	42528	76503	2.75%	0.253%
35	11.133	1535	1538	1542	rVB2	38607	36490	1.31%	0.121%
36	11.204	1547	1550	1552	rVV	381161	309172	11.10%	1.023%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.228	1552	1554	1561	rVB2	227456	265795	9.54%	0.880%
38	11.328	1568	1571	1573	rBV	716179	654867	23.50%	2.167%
39	11.357	1573	1576	1579	rVV	2704704	2124182	76.23%	7.031%
40	11.404	1581	1584	1588	rVV	687570	552881	19.84%	1.830%
41	11.439	1588	1590	1594	rVB2	44651	50209	1.80%	0.166%
42	11.475	1594	1596	1600	rBV3	39157	52780	1.89%	0.175%
43	11.516	1600	1603	1606	rVB3	38768	38437	1.38%	0.127%
44	11.563	1606	1611	1613	rBV	213029	211536	7.59%	0.700%
45	11.586	1613	1615	1618	rVB	67719	61299	2.20%	0.203%
46	11.633	1620	1623	1626	rVV	418200	346323	12.43%	1.146%
47	11.798	1648	1651	1653	rBV4	40837	51669	1.85%	0.171%
48	11.833	1654	1657	1659	rVB	158524	116851	4.19%	0.387%
49	11.863	1659	1662	1665	rVB	247969	210223	7.54%	0.696%
50	11.910	1665	1670	1672	rBV2	74998	88492	3.18%	0.293%
51	11.945	1672	1676	1679	rBV	471971	471836	16.93%	1.562%
52	12.016	1685	1688	1690	rBV3	47405	51498	1.85%	0.170%
53	12.039	1690	1692	1695	rVV	338615	290259	10.42%	0.961%
54	12.133	1705	1708	1710	rBV	137504	117697	4.22%	0.390%
55	12.198	1716	1719	1721	rBV2	32702	45771	1.64%	0.151%
56	12.263	1728	1730	1732	rBV2	30987	36296	1.30%	0.120%
57	12.327	1736	1741	1745	rVV2	88705	143048	5.13%	0.473%
58	12.386	1748	1751	1754	rVV2	115505	111234	3.99%	0.368%
59	12.433	1755	1759	1763	rVB	279171	287433	10.31%	0.951%
60	12.469	1763	1765	1770	rBV4	64728	86117	3.09%	0.285%
61	12.551	1775	1779	1782	rBV	2659792	2201822	79.02%	7.288%
62	12.645	1792	1795	1798	rBV	189018	178289	6.40%	0.590%
63	12.745	1810	1812	1813	rBV	46897	40255	1.44%	0.133%
64	12.780	1813	1818	1821	rVV	2155996	1909830	68.54%	6.321%
65	12.804	1821	1822	1825	rVB	130439	93000	3.34%	0.308%
66	12.898	1835	1838	1840	rBV	118522	118940	4.27%	0.394%
67	12.922	1840	1842	1847	rVV2	656359	648487	23.27%	2.146%
68	12.998	1850	1855	1858	rBV2	95844	168886	6.06%	0.559%
69	13.110	1871	1874	1877	rVB	325852	308439	11.07%	1.021%
70	13.174	1881	1885	1888	rVV2	348712	358517	12.87%	1.187%
71	13.210	1888	1891	1895	rVV2	170239	166363	5.97%	0.551%
72	13.304	1905	1907	1910	rVB	95945	73085	2.62%	0.242%
73	13.333	1910	1912	1916	rBV	86814	77443	2.78%	0.256%
74	13.510	1940	1942	1945	rBV2	100853	96664	3.47%	0.320%
75	13.727	1977	1979	1982	rVB	82990	73740	2.65%	0.244%
76	13.757	1982	1984	1986	rBV	120684	101958	3.66%	0.337%

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77	13.780	1986	1988	1992	rVV2	103481	90966	3.26%	0.301%
78	13.951	2015	2017	2018	rBV	53688	46734	1.68%	0.155%
79	13.980	2018	2022	2025	rVV2	1208052	1681979	60.36%	5.567%
80	14.010	2025	2027	2030	rVB	787979	593357	21.29%	1.964%
81	14.086	2038	2040	2044	rVB	63687	51880	1.86%	0.172%
82	14.127	2044	2047	2049	rBV	71179	66711	2.39%	0.221%
83	14.163	2051	2053	2057	rVB3	83491	92070	3.30%	0.305%
84	14.369	2086	2088	2091	rVB	107187	105044	3.77%	0.348%
85	14.404	2092	2094	2098	rVB	74225	73983	2.65%	0.245%
86	14.469	2102	2105	2107	rBV2	134610	121220	4.35%	0.401%
87	14.498	2107	2110	2111	rBV	53764	48244	1.73%	0.160%
88	14.627	2130	2132	2137	rVB3	64016	60673	2.18%	0.201%
89	15.033	2196	2201	2204	rBV	534426	827742	29.70%	2.740%
90	15.139	2216	2219	2224	rVB2	148083	181622	6.52%	0.601%
91	15.339	2249	2253	2259	rVB	302342	382958	13.74%	1.268%
92	15.404	2260	2264	2270	rVB	436654	512202	18.38%	1.695%
93	15.468	2271	2275	2278	rBV	355400	434426	15.59%	1.438%
94	15.498	2278	2280	2283	rVB	84030	78363	2.81%	0.259%
95	16.968	2525	2530	2539	rVB2	148484	308998	11.09%	1.023%
96	17.421	2602	2607	2614	rVB	92500	176359	6.33%	0.584%

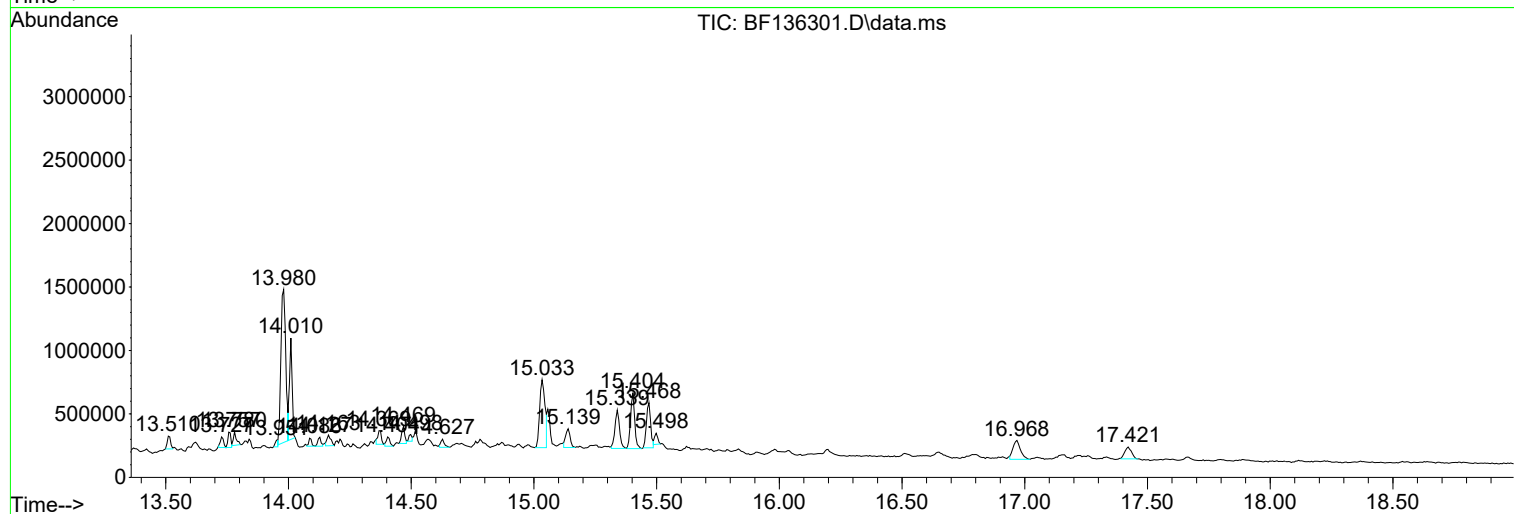
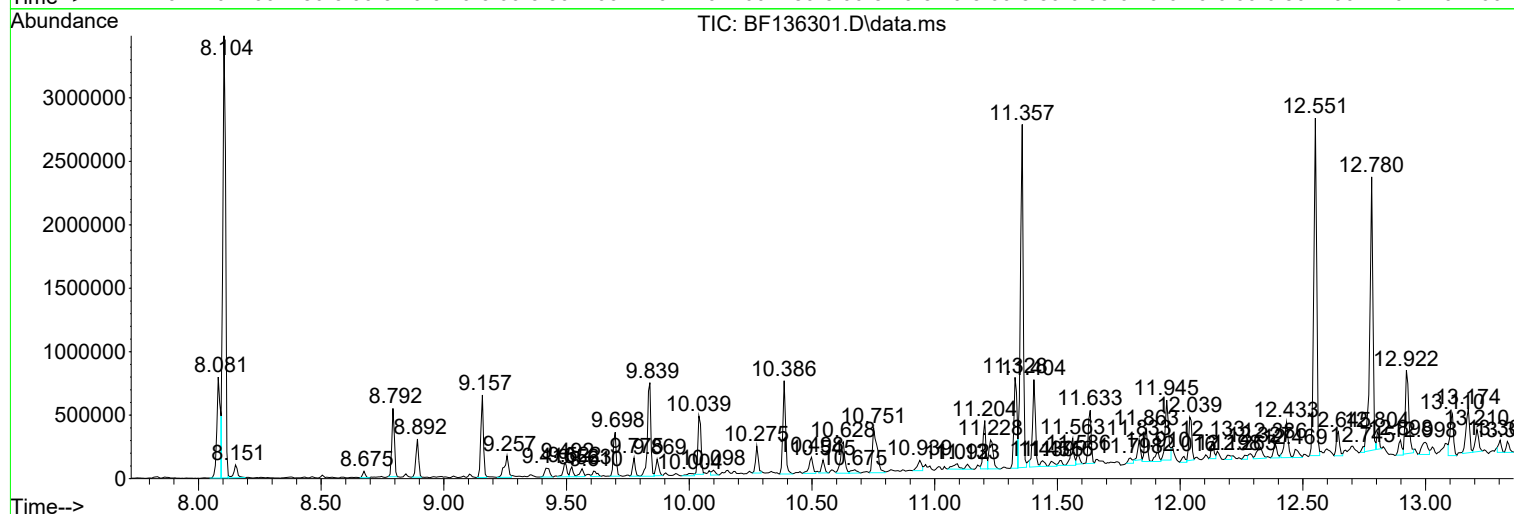
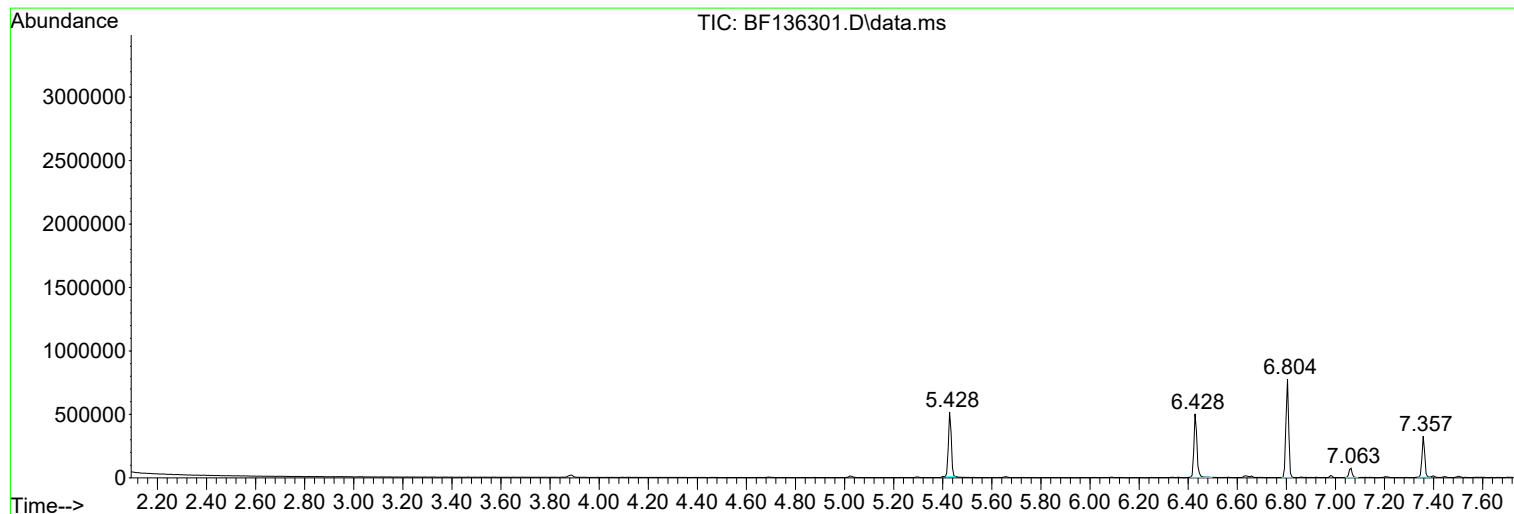
Sum of corrected areas: 30213323

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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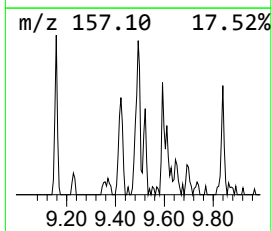
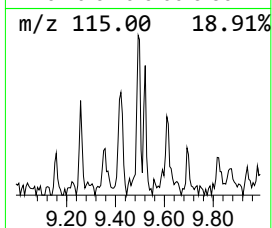
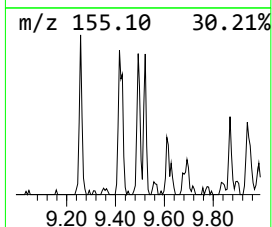
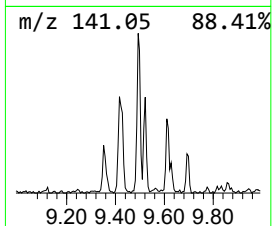
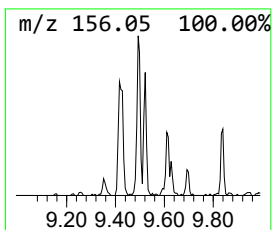
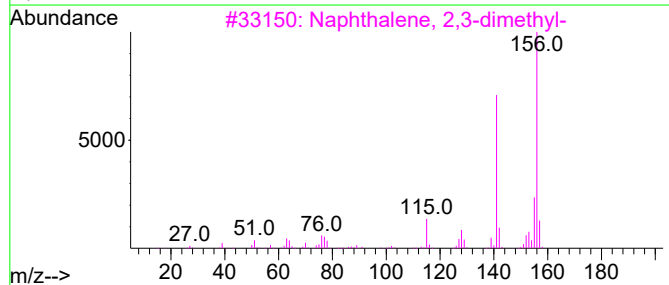
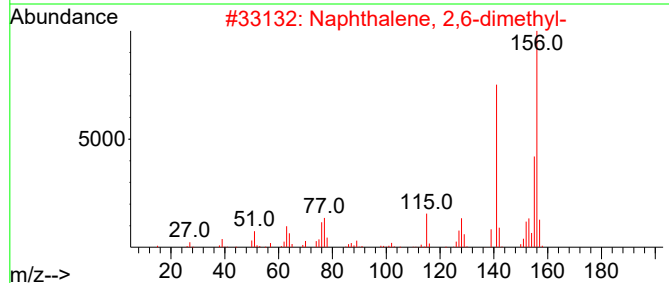
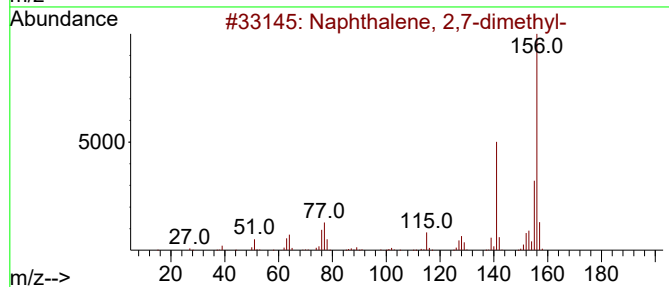
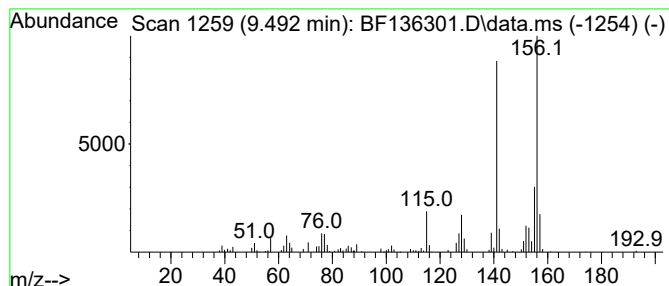
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.492	3.29 ng	114789	Acenaphthene-d10	9.839

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



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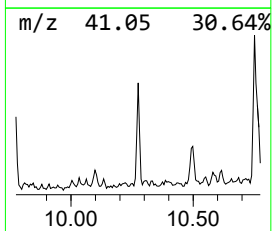
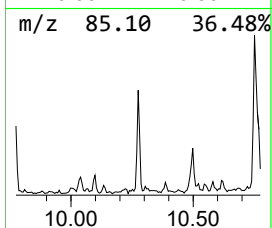
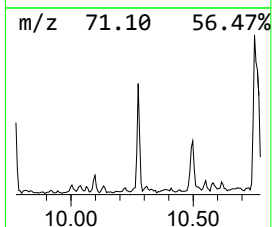
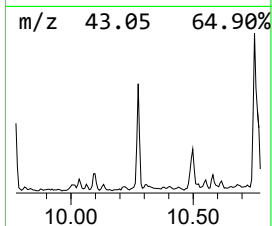
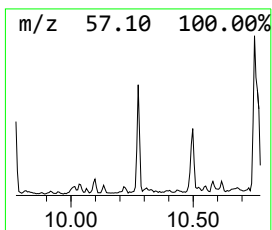
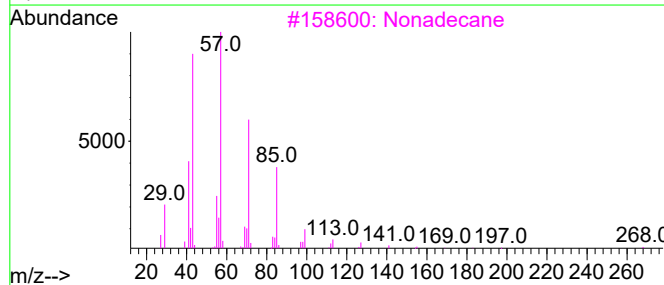
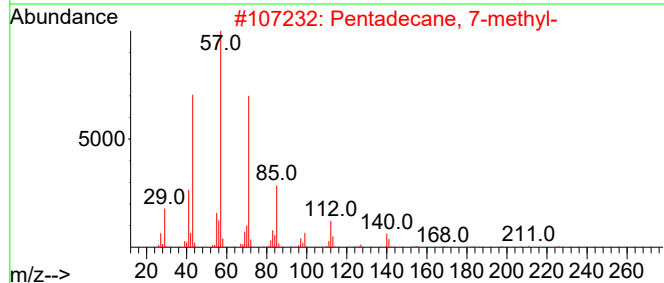
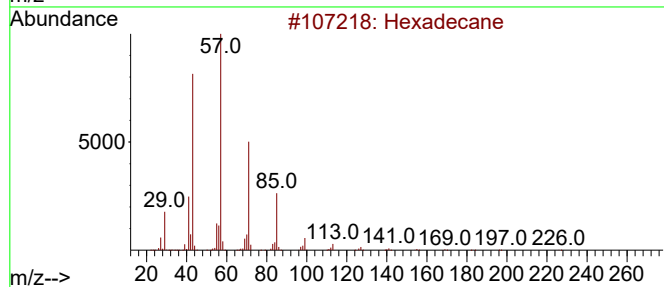
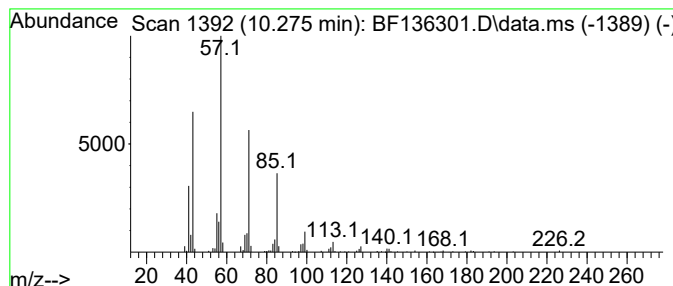
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.275	4.71 ng	164114	Acenaphthene-d10	9.839

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	96
2			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	91
3			Nonadecane	268	C19H40	000629-92-5	91
4			Tridecane	184	C13H28	000629-50-5	90
5			Heptadecane	240	C17H36	000629-78-7	90



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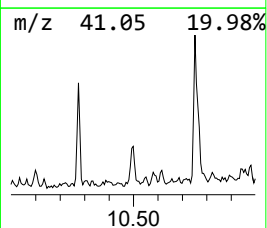
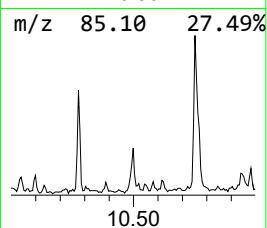
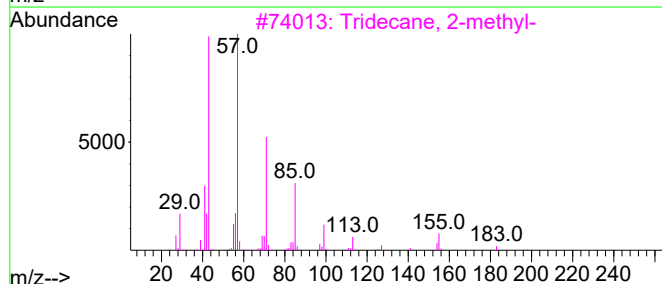
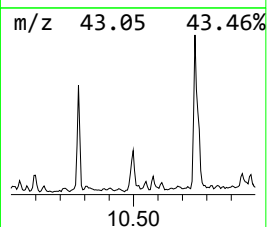
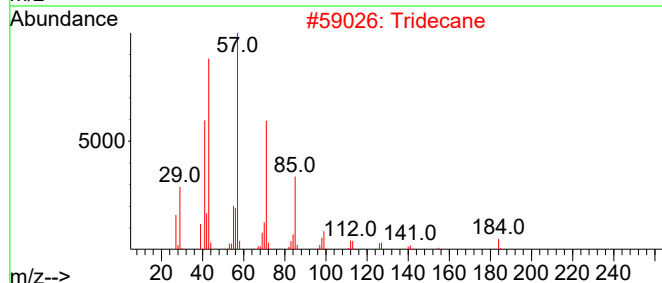
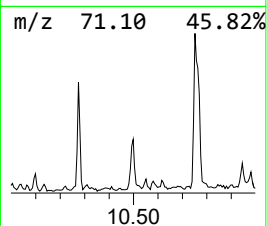
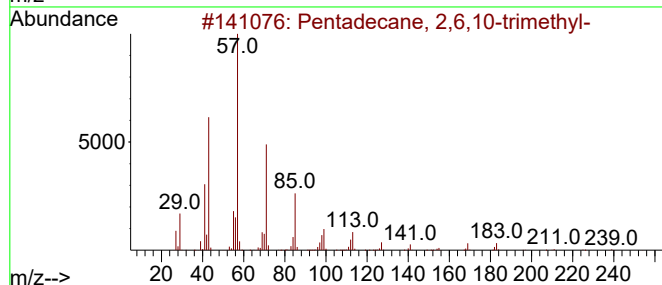
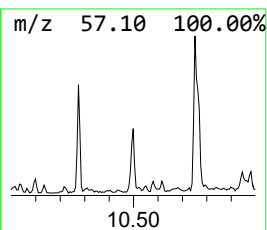
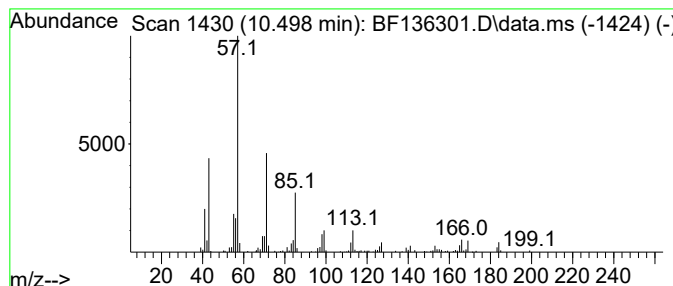
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentadecane, 2,6,10-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.498	4.03 ng	140670	Acenaphthene-d10	9.839

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2			Tridecane	184	C13H28	000629-50-5	81
3			Tridecane, 2-methyl-	198	C14H30	001560-96-9	72
4			Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	62
5			Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-4(170FT)(5-10)

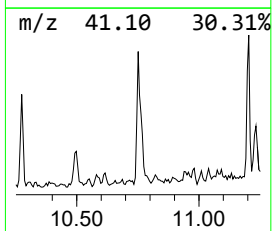
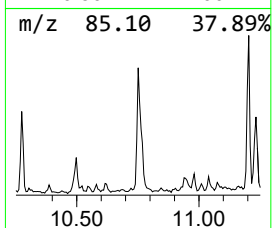
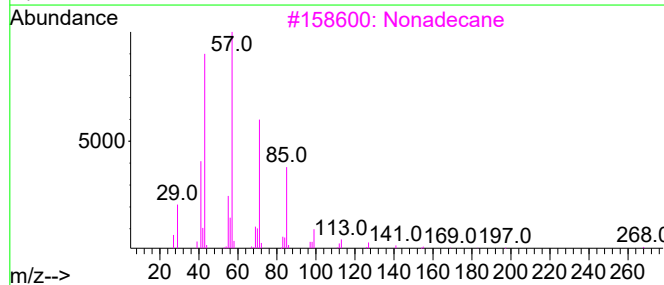
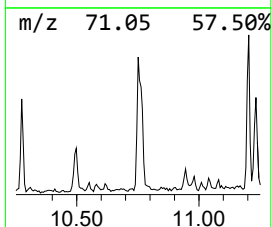
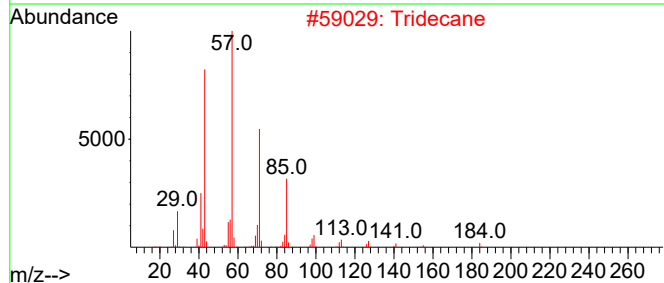
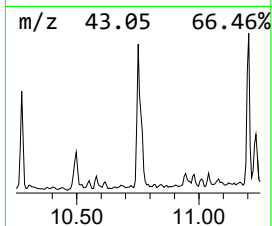
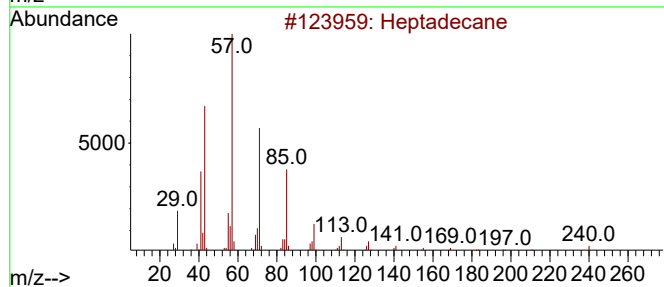
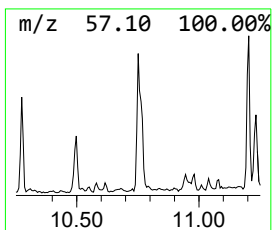
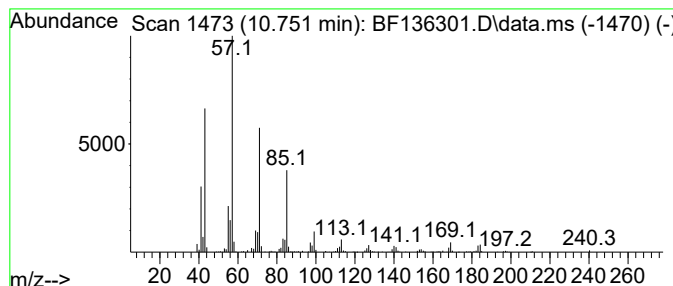
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.751	14.09 ng	461375	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	93
2			Tridecane	184	C13H28	000629-50-5	93
3			Nonadecane	268	C19H40	000629-92-5	87
4			Pentadecane	212	C15H32	000629-62-9	80
5			Tridecane, 7-hexyl-	268	C19H40	007225-66-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

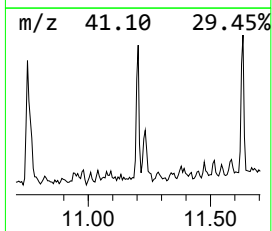
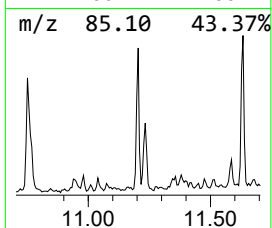
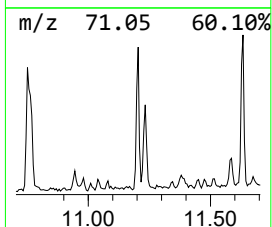
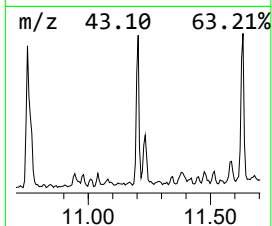
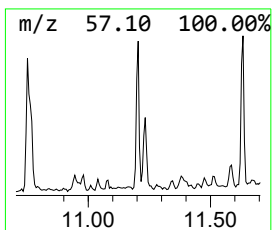
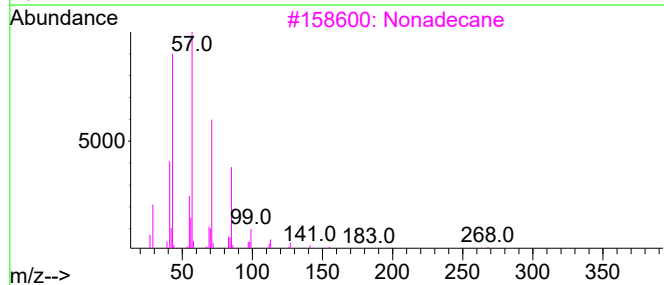
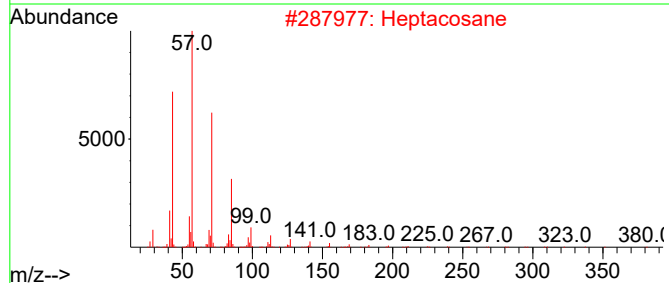
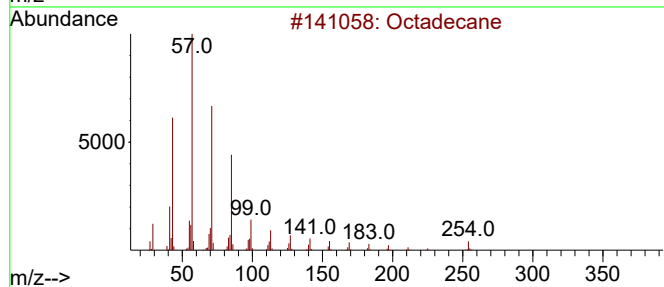
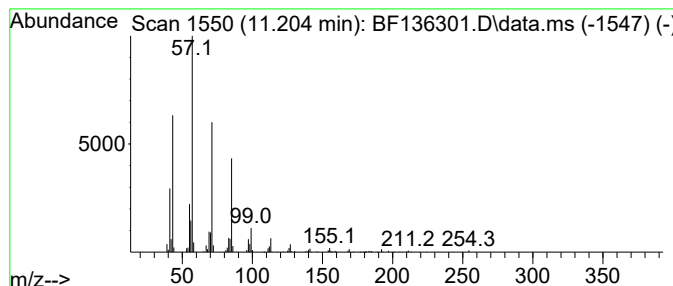
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.204	9.44 ng	309172	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	94
2			Heptacosane	380	C27H56	000593-49-7	91
3			Nonadecane	268	C19H40	000629-92-5	91
4			Heptadecane	240	C17H36	000629-78-7	90
5			Heneicosane	296	C21H44	000629-94-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

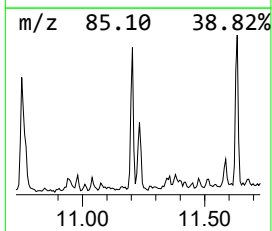
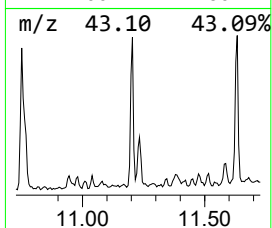
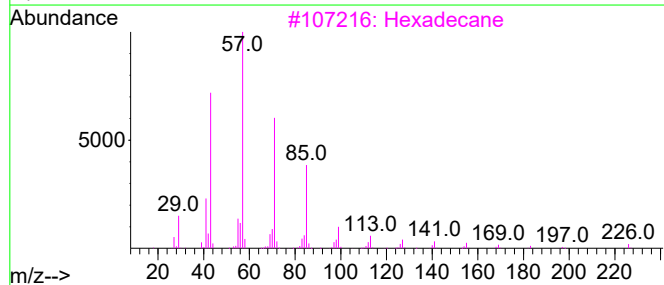
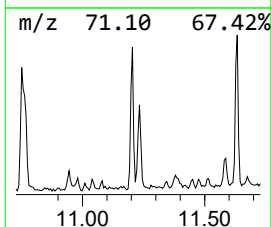
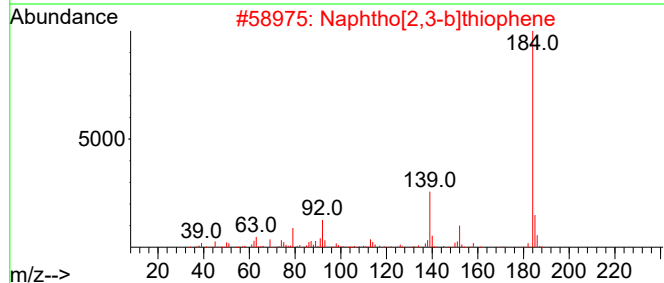
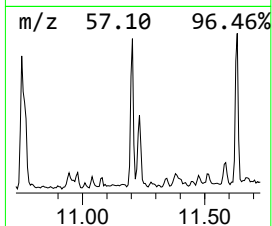
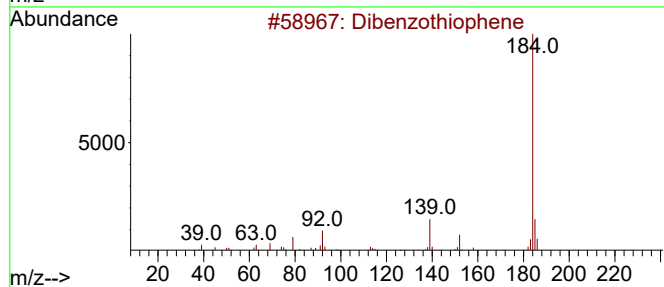
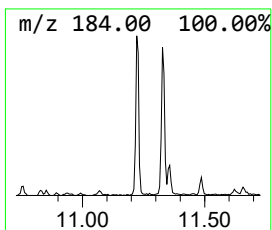
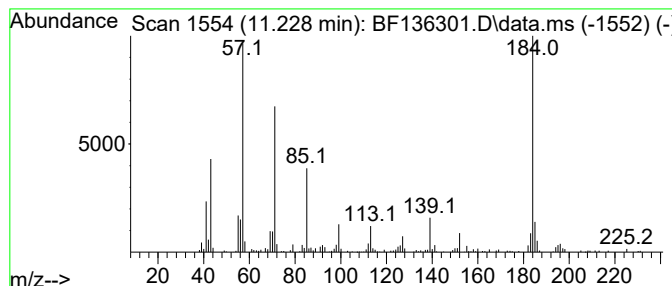
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.227 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	8.12 ng	265795	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	46
2			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	46
3			Hexadecane	226	C16H34	000544-76-3	43
4			Heneicosane	296	C21H44	000629-94-7	43
5			Nonadecane	268	C19H40	000629-92-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

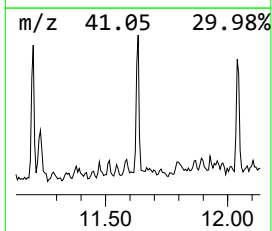
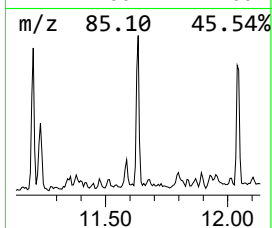
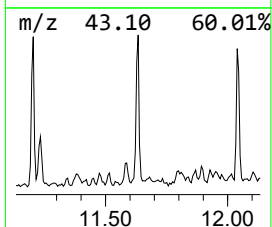
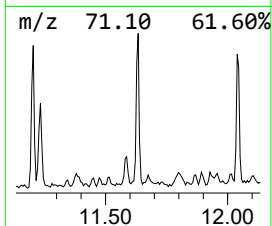
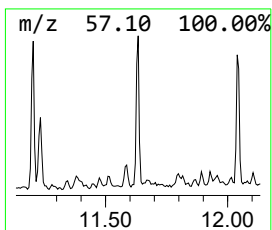
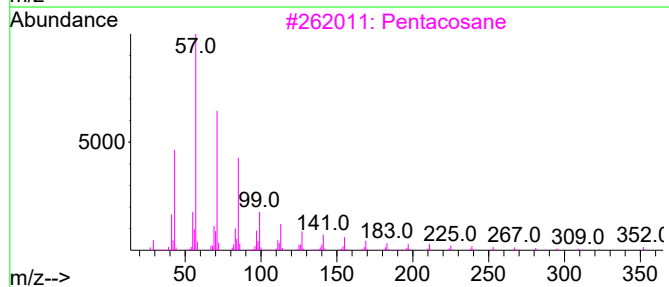
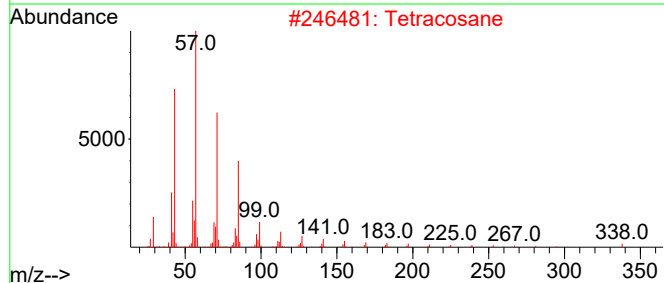
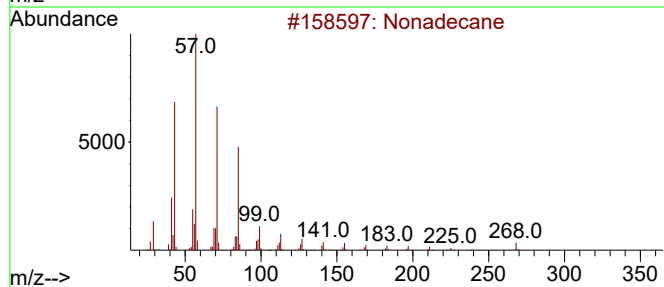
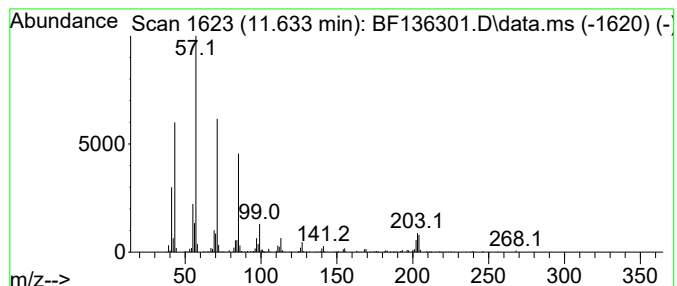
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.633	10.58 ng	346323	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	95
2			Tetracosane	338	C24H50	000646-31-1	87
3			Pentacosane	352	C25H52	000629-99-2	86
4			Hexadecane	226	C16H34	000544-76-3	86
5			Heneicosane	296	C21H44	000629-94-7	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

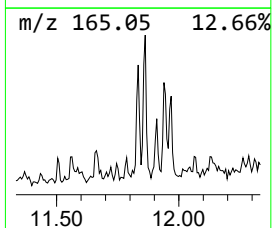
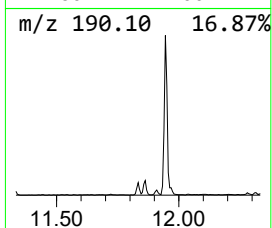
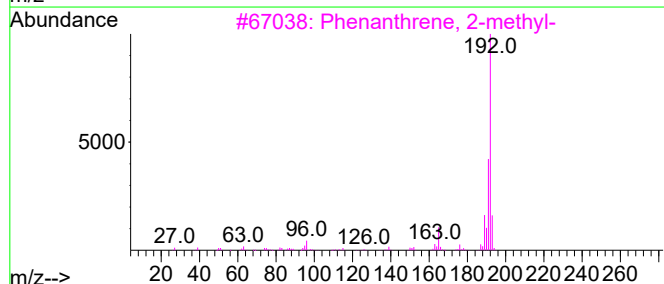
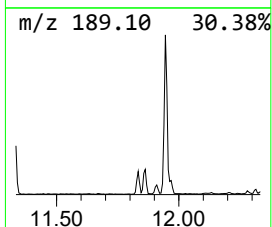
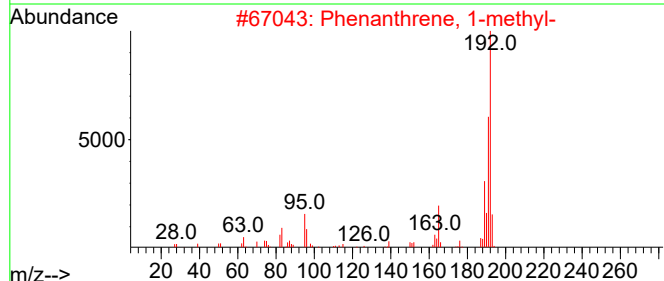
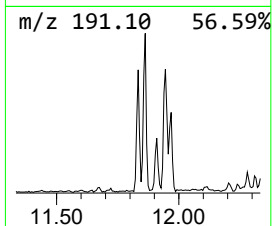
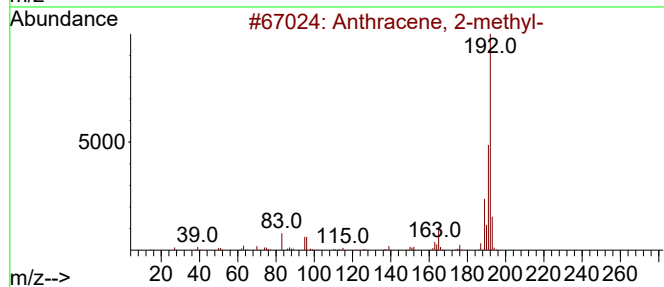
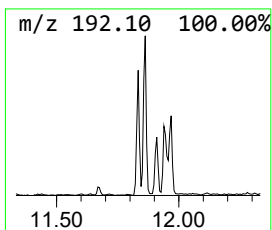
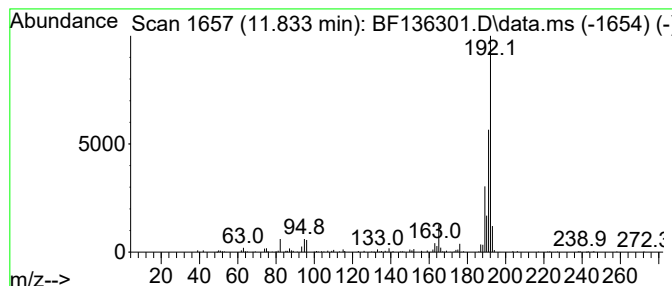
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	3.57 ng	116851	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
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Acq On : 30 Nov 2023 00:34
Operator : CG\JU
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Instrument :
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P-4(170FT)(5-10)

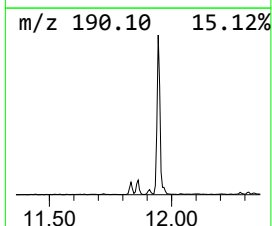
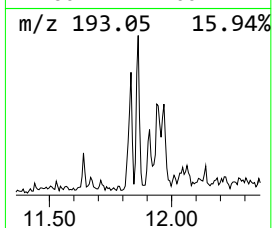
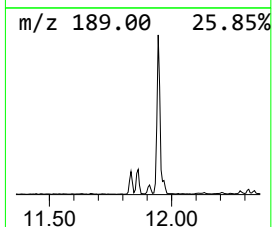
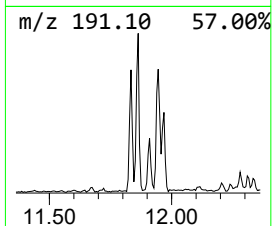
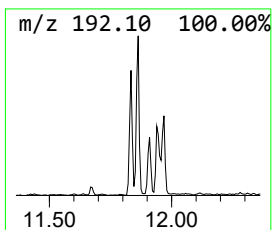
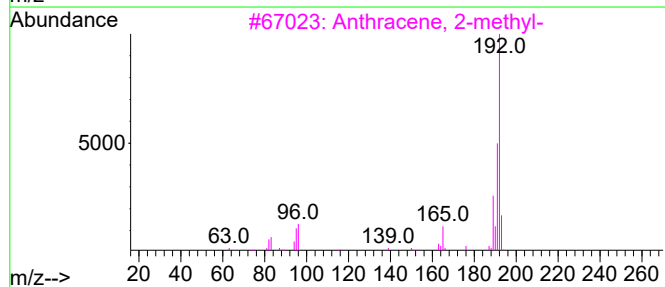
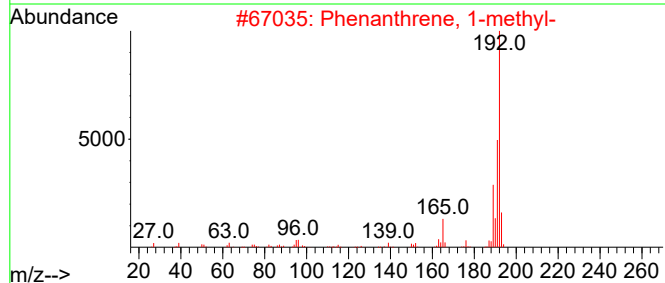
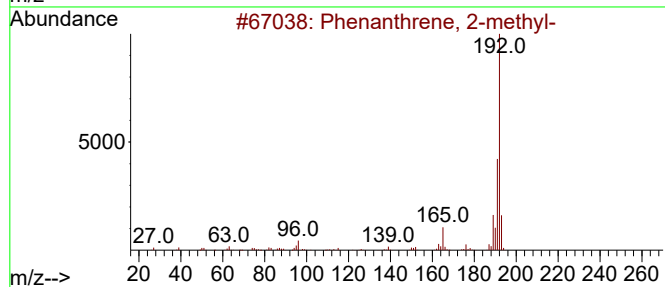
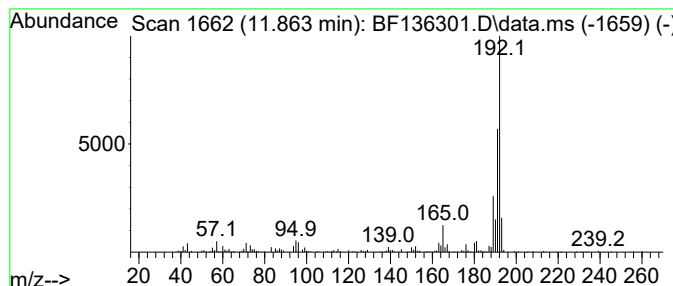
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	6.42 ng	210223	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
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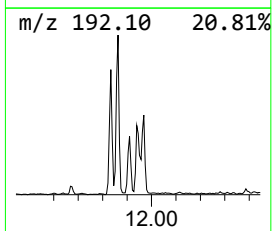
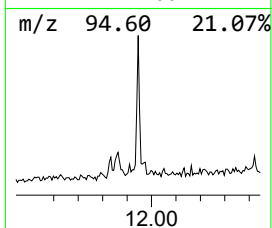
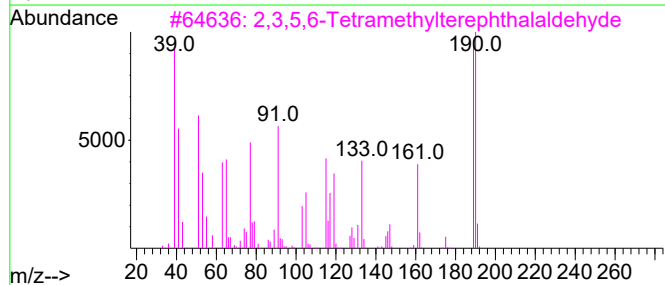
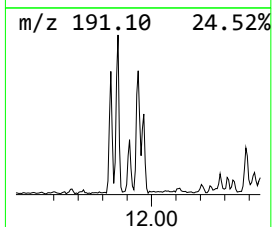
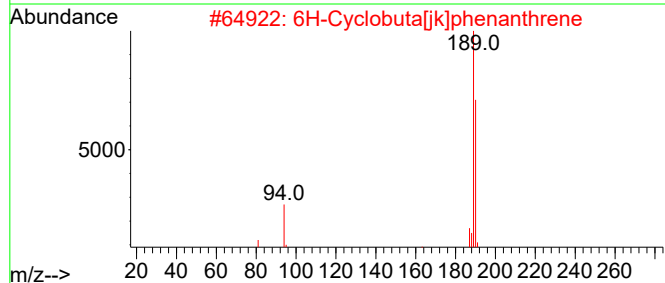
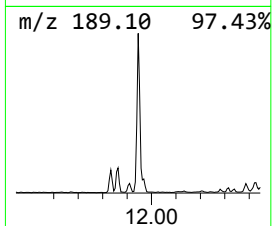
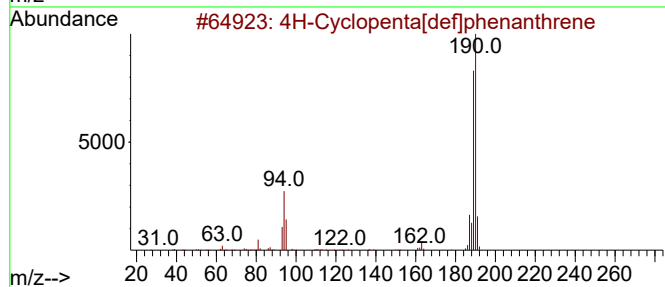
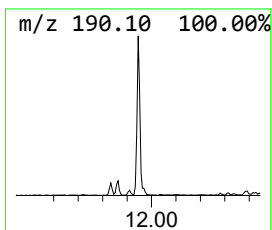
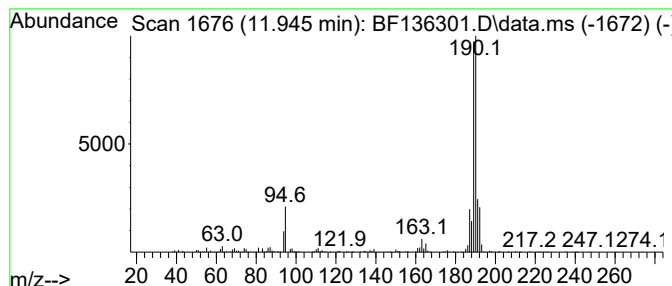
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P-4(170FT)(5-10)

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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 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.945	14.41 ng	471836	Phenanthrene-d10	11.328	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

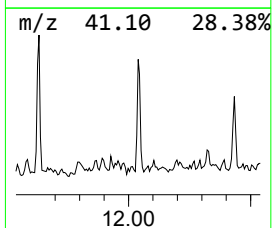
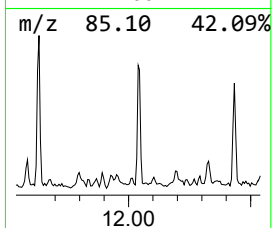
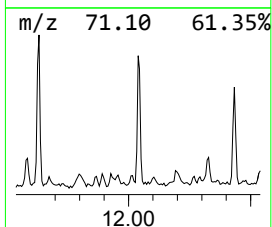
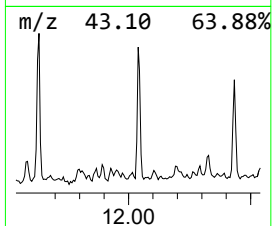
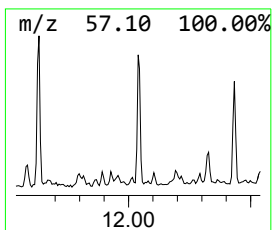
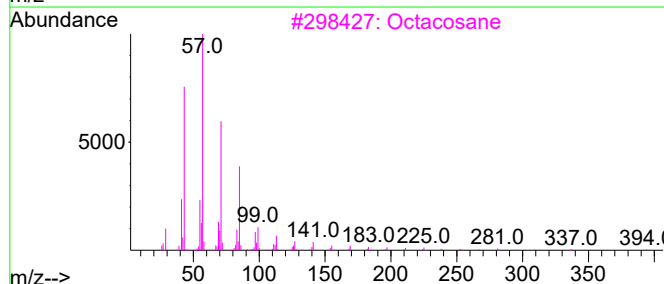
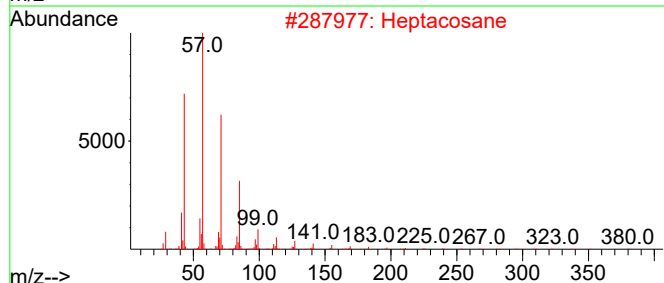
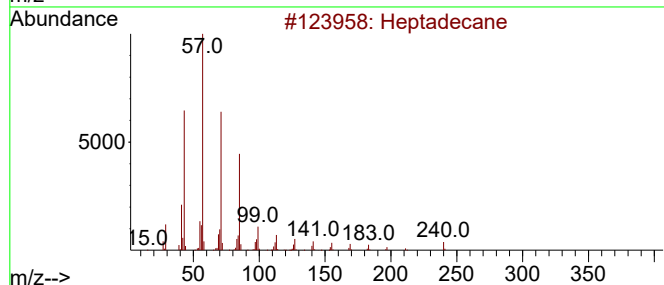
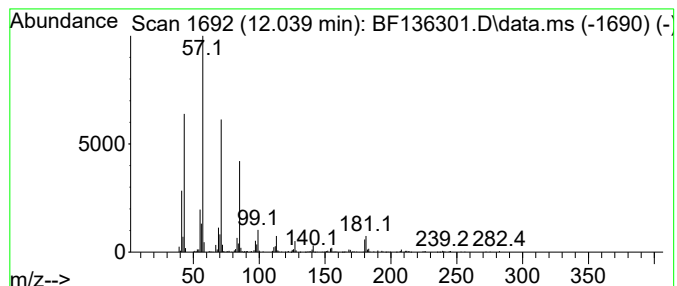
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	8.86 ng	290259	Phenanthrene-d10	11.328

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane	240	C17H36	000629-78-7	91
2		Heptacosane	380	C27H56	000593-49-7	90
3		Octacosane	394	C28H58	000630-02-4	87
4		Tetracosane	338	C24H50	000646-31-1	87
5		Tridecane, 3-ethyl-	212	C15H32	013286-73-2	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
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P-4(170FT)(5-10)

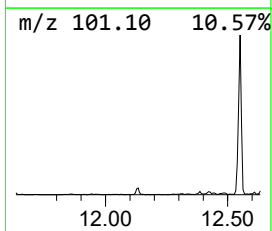
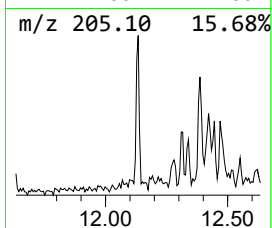
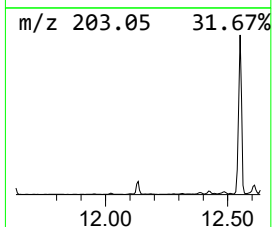
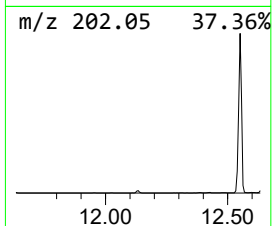
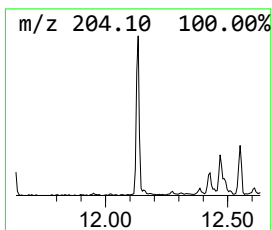
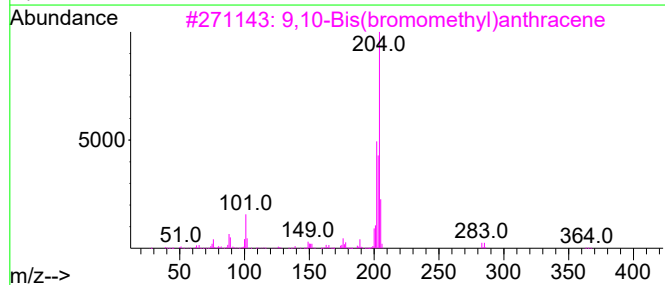
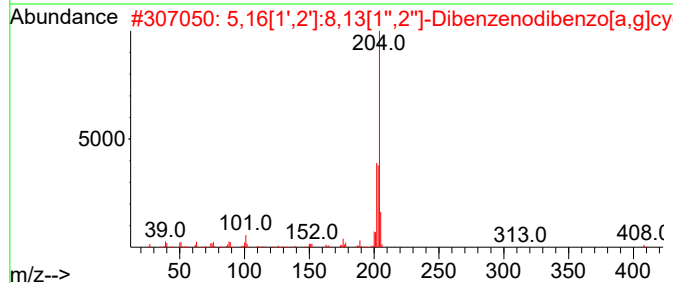
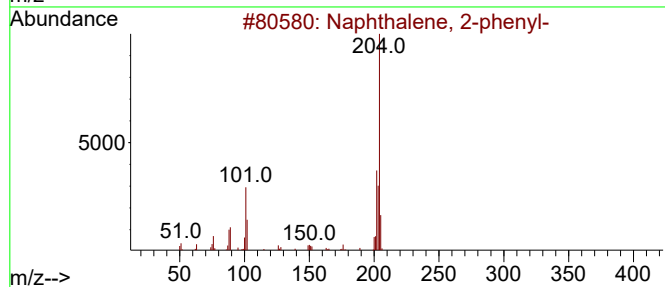
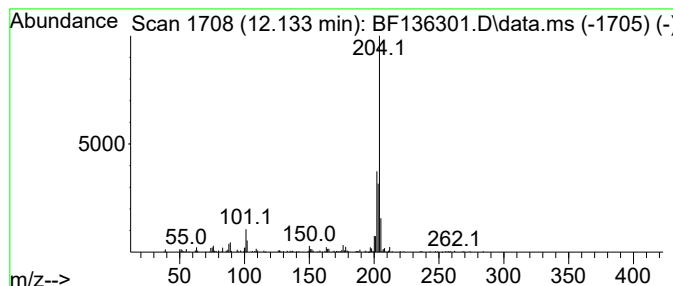
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	3.59 ng	117697	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	74
4			6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
P-4(170FT)(5-10)

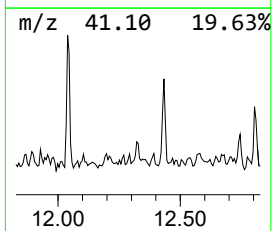
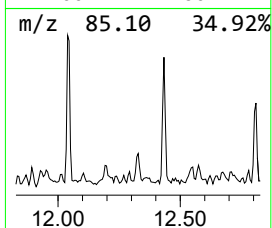
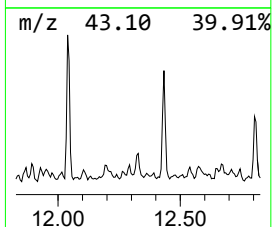
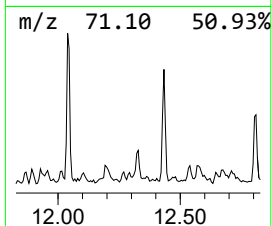
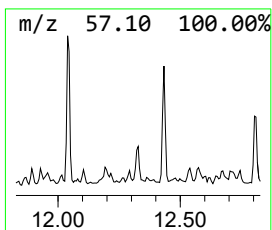
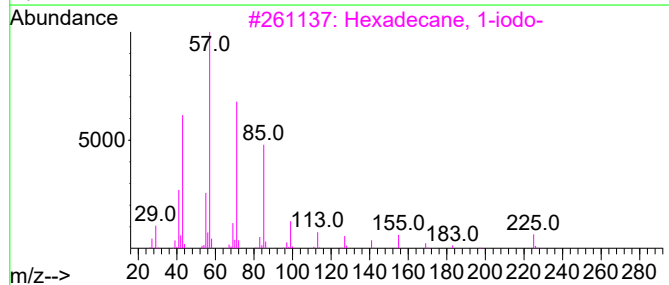
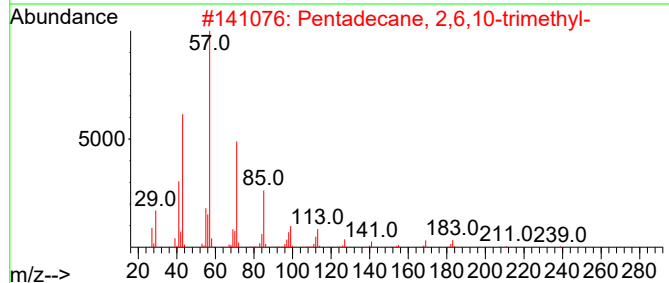
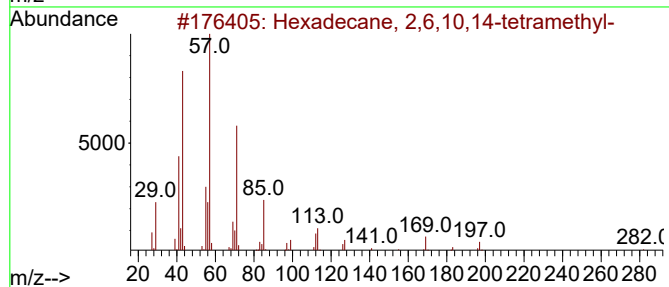
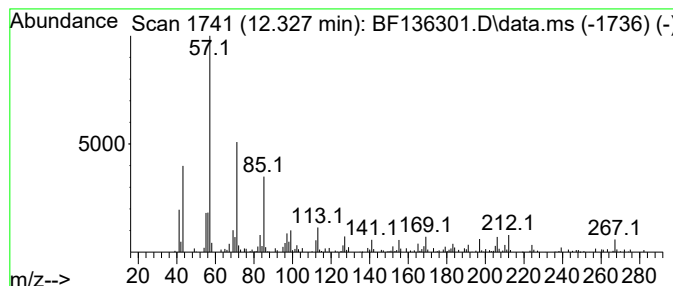
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane, 2,6,10,14-tetra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.328	4.37 ng	143048	Phenanthrene-d10	11.328

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	89
2		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	87
3		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	83
4		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	81
5		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
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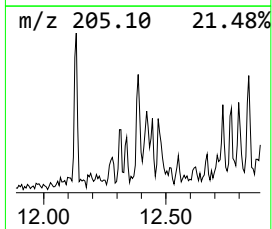
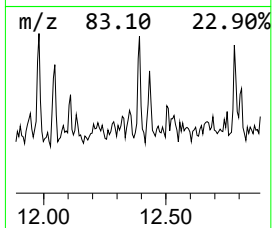
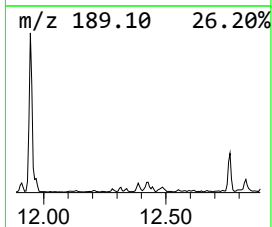
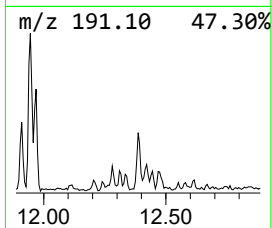
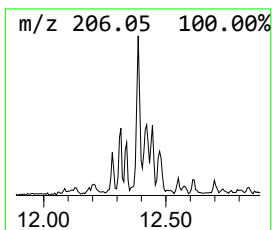
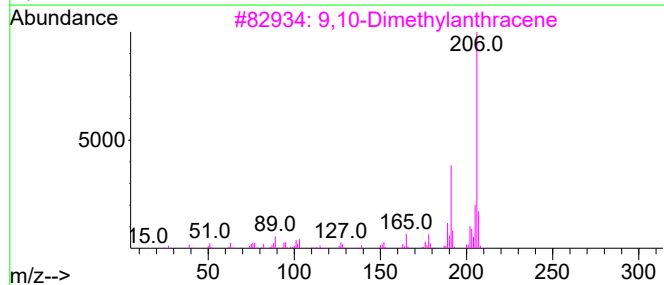
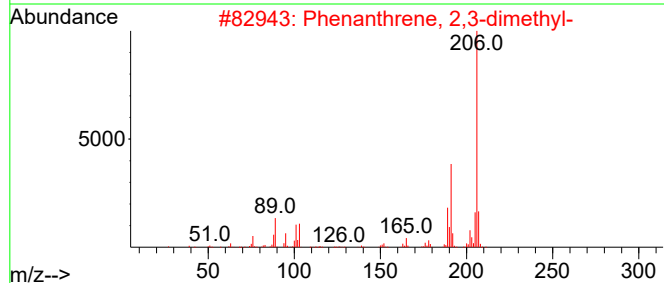
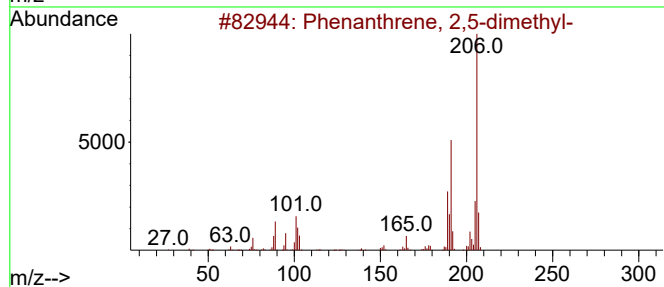
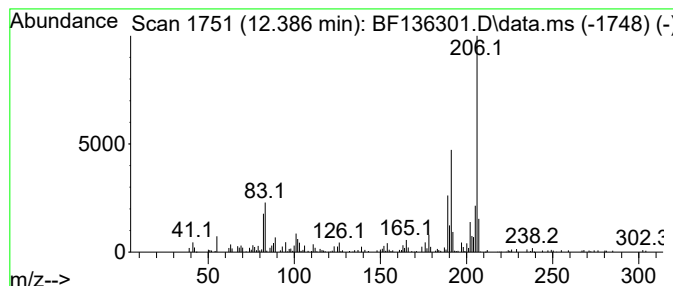
Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.386	3.40 ng	111234	Phenanthrene-d10		11.328	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene		206	C16H14	000781-43-1	86
4	Phenanthrene, 2,7-dimethyl-		206	C16H14	001576-69-8	76
5	3,4-Dimethylphenanthrene		206	C16H14	1000452-24-5	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
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ALS Vial : 20 Sample Multiplier: 1

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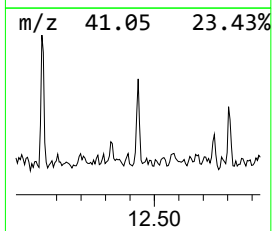
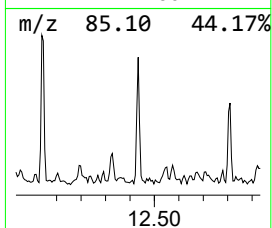
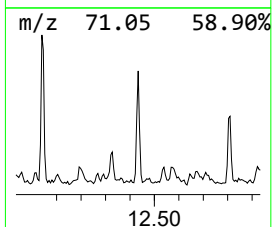
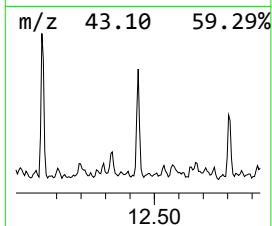
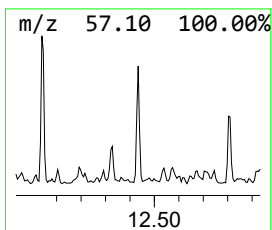
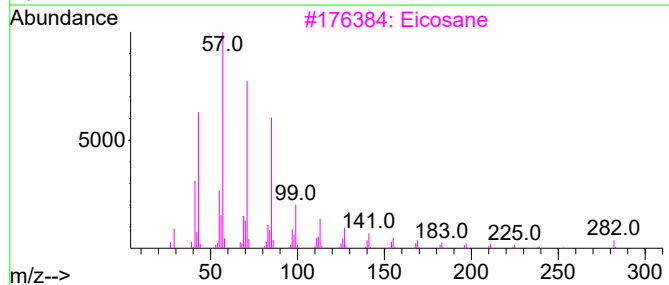
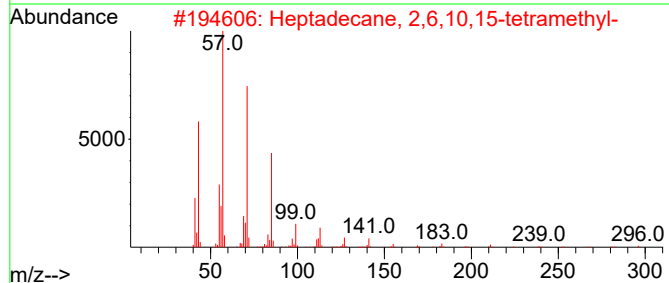
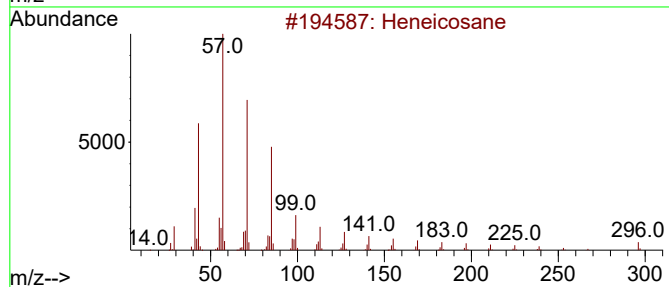
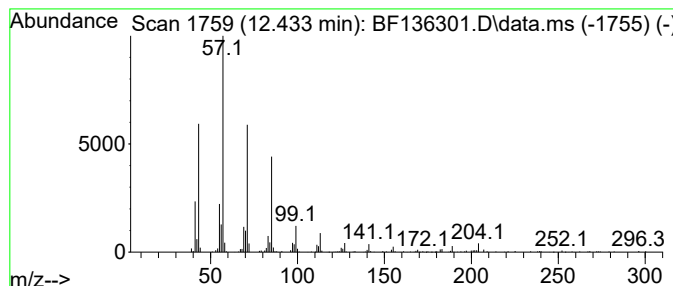
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	8.78 ng	287433	Phenanthrene-d10	11.328

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	97
2			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	96
3			Eicosane	282	C20H42	000112-95-8	94
4			Heptacosane	380	C27H56	000593-49-7	91
5			Nonadecane	268	C19H40	000629-92-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
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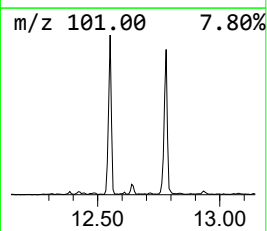
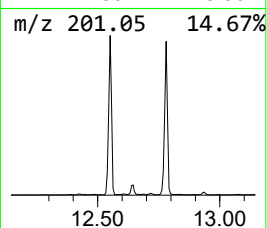
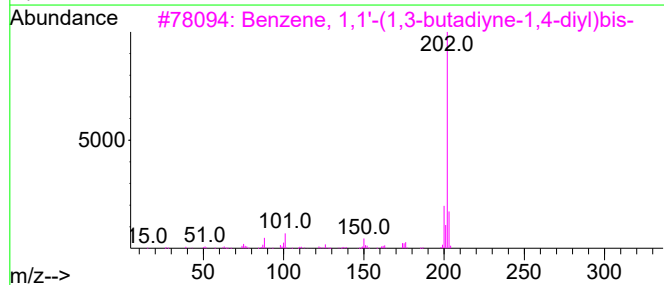
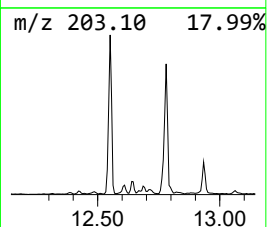
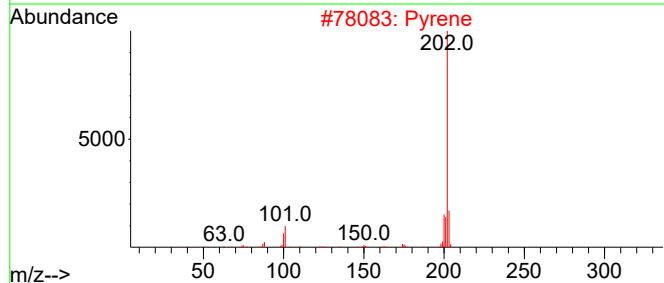
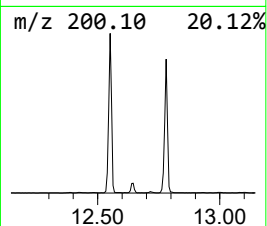
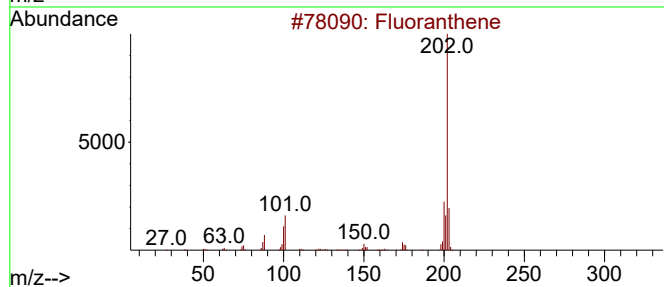
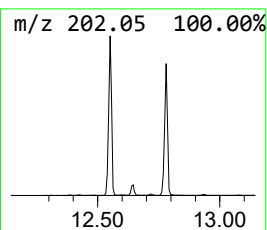
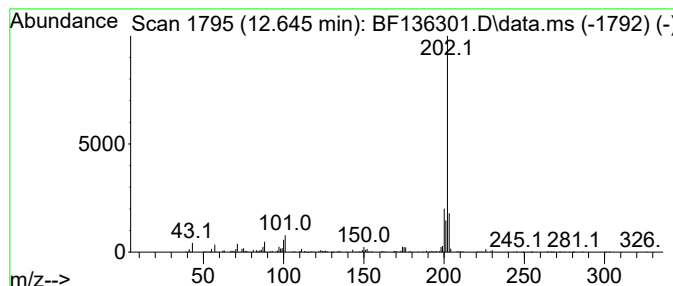
Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.645	5.45 ng	178289	Phenanthrene-d10	11.328	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	94
2	Pyrene	202	C16H10	000129-00-0	81
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	50
5	l-Leucine, N-methyl-N-(2-methoxy...	457	C26H51NO5	1000328-54-9	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

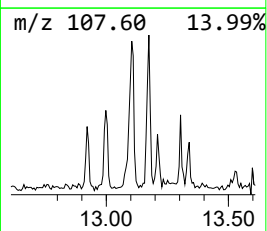
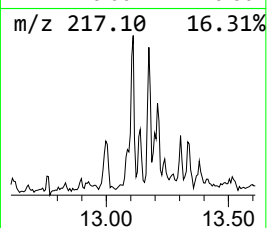
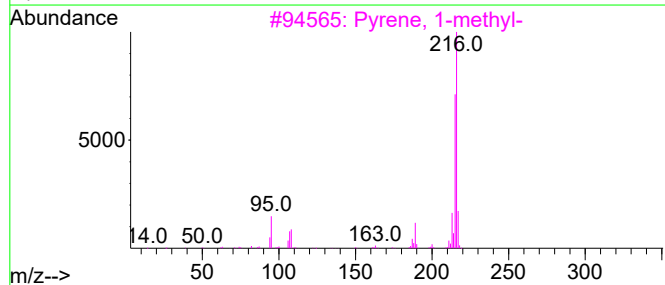
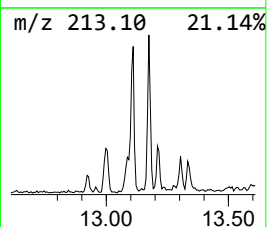
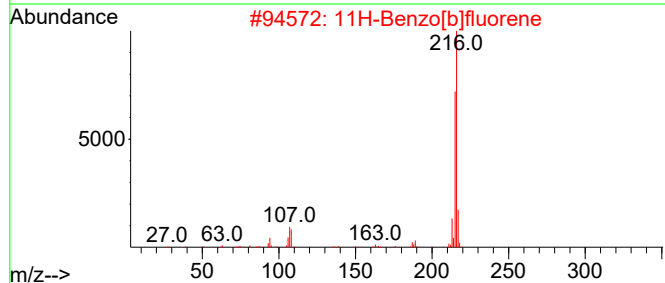
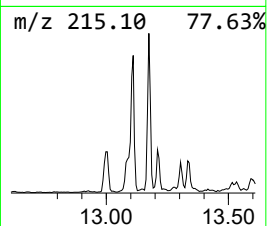
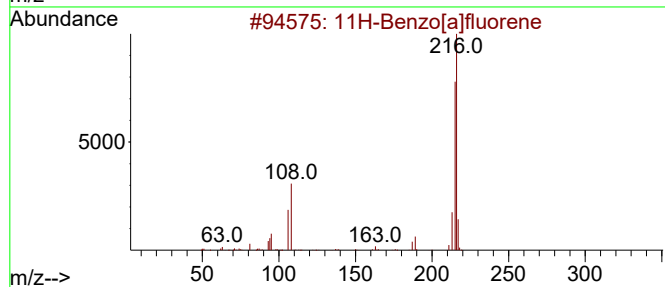
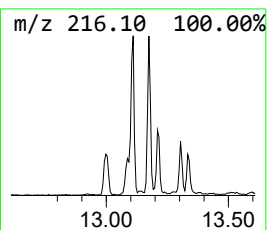
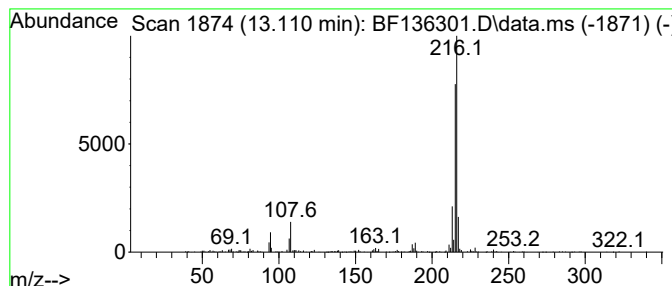
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	3.67 ng	308439	Chrysene-d12	13.986

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-4(170FT)(5-10)

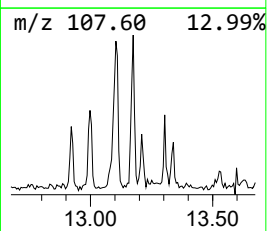
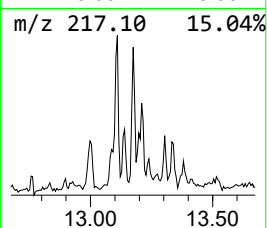
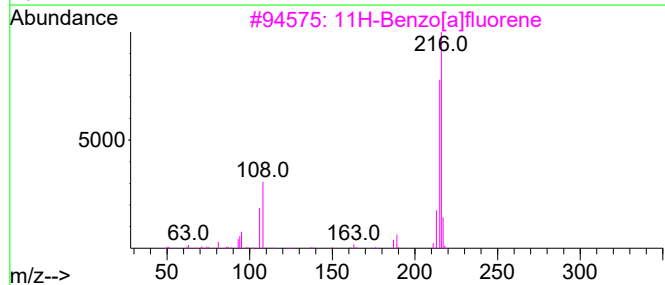
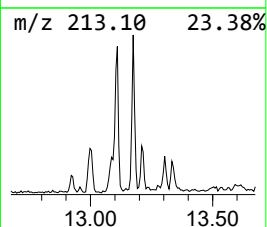
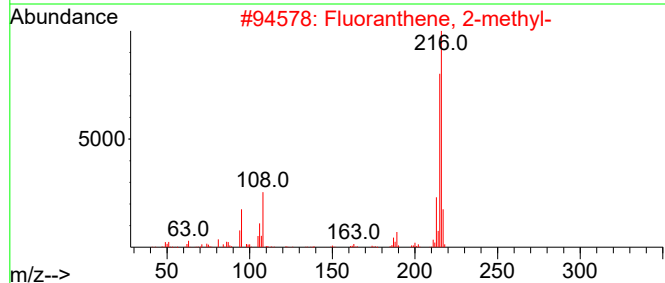
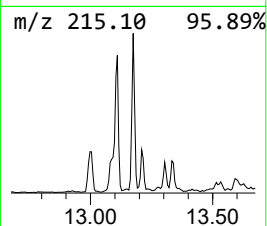
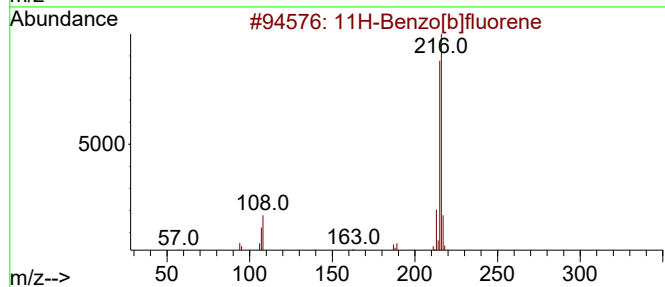
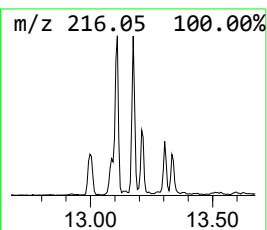
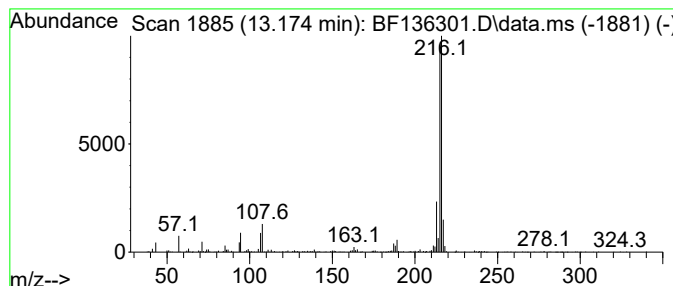
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	4.26 ng	358517	Chrysene-d12	13.986

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64
5			trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-4(170FT)(5-10)

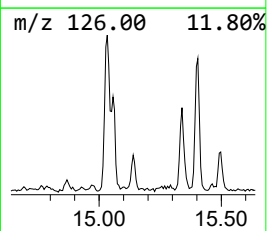
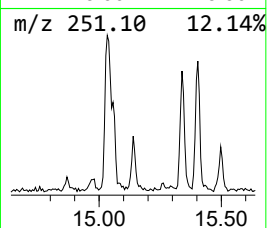
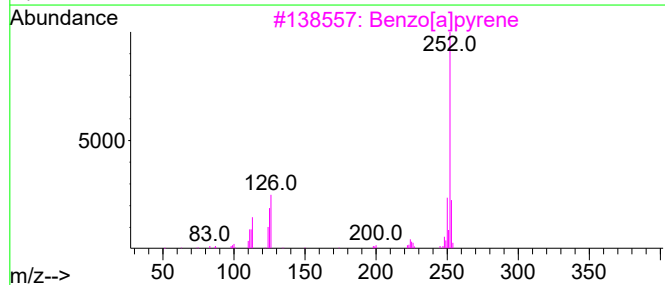
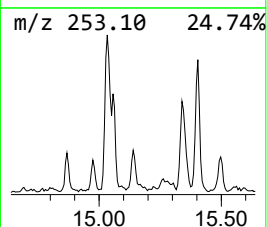
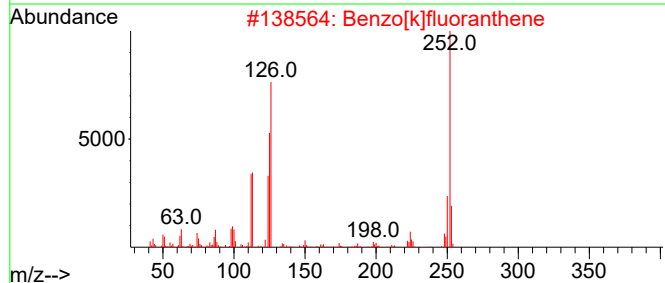
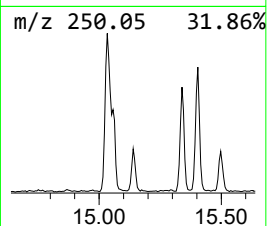
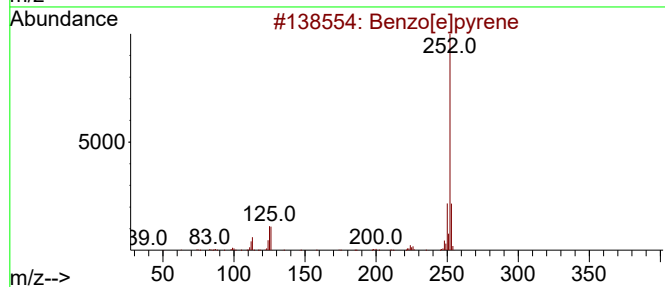
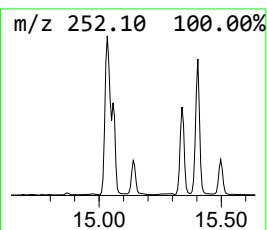
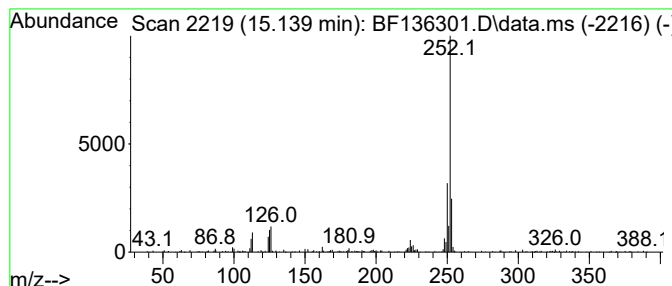
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.139	8.36 ng	181622	Perylene-d12	15.468

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	94
3			Benzo[a]pyrene	252	C20H12	000050-32-8	93
4			Perylene	252	C20H12	000198-55-0	91
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-4(170FT)(5-10)

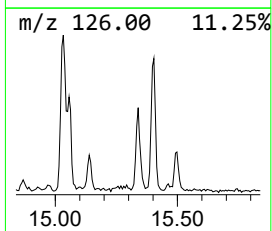
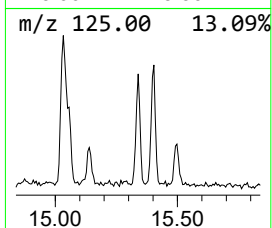
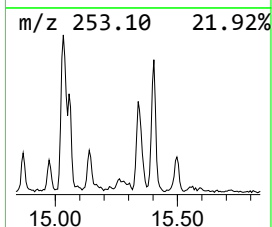
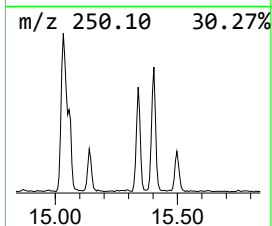
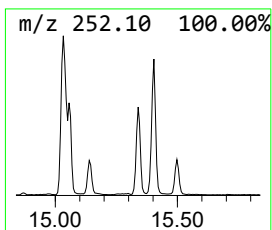
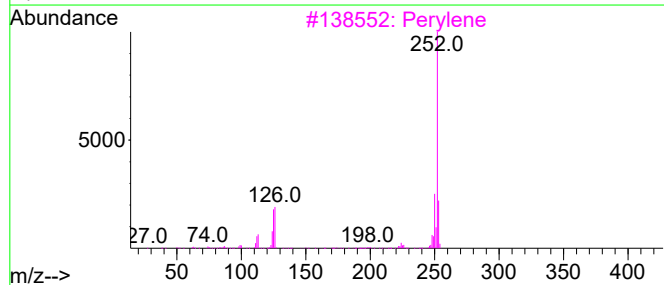
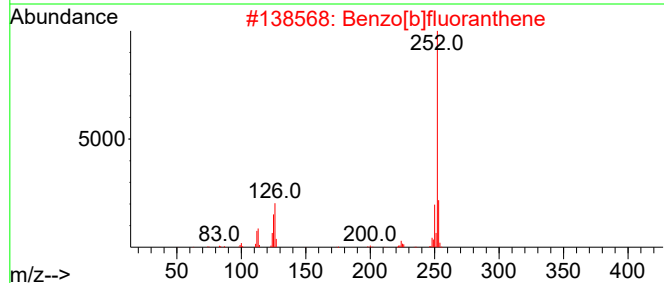
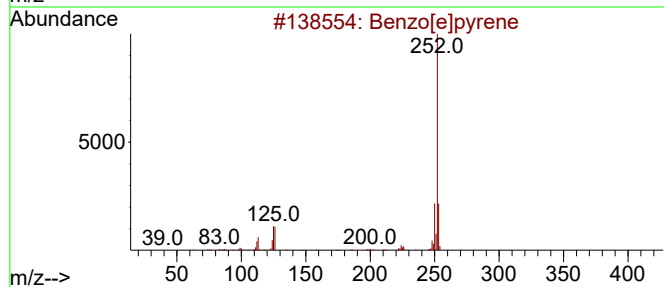
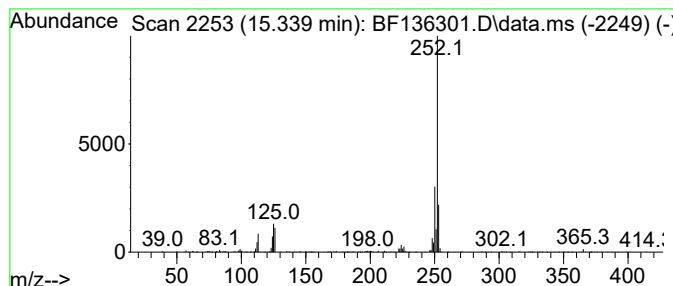
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.339	17.63 ng	382958	Perylene-d12	15.468

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	94
3		Perylene	252	C20H12	000198-55-0	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136301.D
Acq On : 30 Nov 2023 00:34
Operator : CG\JU
Sample : 05312-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-4(170FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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
Naphthalene, 2,...	9.492	3.3	ng	114789	3	9.839	697575	20.0
Hexadecane	10.275	4.7	ng	164114	3	9.839	697575	20.0
Pentadecane, 2,...	10.498	4.0	ng	140670	3	9.839	697575	20.0
Heptadecane	10.751	14.1	ng	461375	4	11.328	654867	20.0
Octadecane	11.204	9.4	ng	309172	4	11.328	654867	20.0
unknown11.227	11.227	8.1	ng	265795	4	11.328	654867	20.0
Nonadecane	11.633	10.6	ng	346323	4	11.328	654867	20.0
Anthracene, 2-m...	11.833	3.6	ng	116851	4	11.328	654867	20.0
Phenanthrene, 2...	11.863	6.4	ng	210223	4	11.328	654867	20.0
4H-Cyclopenta[d...	11.945	14.4	ng	471836	4	11.328	654867	20.0
Heptacosane	12.039	8.9	ng	290259	4	11.328	654867	20.0
Naphthalene, 2-...	12.133	3.6	ng	117697	4	11.328	654867	20.0
Hexadecane, 2,6...	12.328	4.4	ng	143048	4	11.328	654867	20.0
Phenanthrene, 2...	12.386	3.4	ng	111234	4	11.328	654867	20.0
Heneicosane	12.433	8.8	ng	287433	4	11.328	654867	20.0
Benzene, 1,1'-(...	12.645	5.5	ng	178289	4	11.328	654867	20.0
11H-Benzo[a]flu...	13.110	3.7	ng	308439	5	13.986	1681980	20.0
11H-Benzo[b]flu...	13.175	4.3	ng	358517	5	13.986	1681980	20.0
Benzo[e]pyrene	15.139	8.4	ng	181622	6	15.468	434426	20.0
Perylene	15.339	17.6	ng	382958	6	15.468	434426	20.0