

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135095.D
 Acq On : 05 Sep 2023 14:59
 Operator : CG\JU
 Sample : 04110-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-24(4-5)

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-BF083023.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135095.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.398	559	563	567	rVV	1611582	1548081	63.22%	3.659%
2	6.410	730	735	738	rBV	1806974	1602629	65.45%	3.788%
3	6.769	793	796	803	rVB	712560	586608	23.96%	1.386%
4	7.333	887	892	895	rBV	1317793	1129981	46.15%	2.671%
5	8.051	1009	1014	1016	rBV	903074	826754	33.76%	1.954%
6	8.069	1016	1017	1021	rVV	533478	362839	14.82%	0.858%
7	8.763	1132	1135	1139	rVB	193625	144791	5.91%	0.342%
8	8.863	1149	1152	1155	rBV	113320	89149	3.64%	0.211%
9	9.128	1193	1197	1200	rBV	2212659	1799960	73.51%	4.254%
10	9.463	1251	1254	1257	rVV	75508	74319	3.04%	0.176%
11	9.810	1306	1313	1315	rBV	860882	800690	32.70%	1.892%
12	9.839	1315	1318	1322	rVB	726779	567416	23.17%	1.341%
13	10.010	1344	1347	1352	rVV	232724	208183	8.50%	0.492%
14	10.357	1402	1406	1409	rBV	384813	319115	13.03%	0.754%
15	10.516	1431	1433	1437	rVB	75449	64464	2.63%	0.152%
16	10.598	1443	1447	1451	rBV	1114484	956126	39.05%	2.260%
17	10.727	1465	1469	1476	rVB2	111494	144272	5.89%	0.341%
18	10.910	1493	1500	1502	rBV3	57087	90009	3.68%	0.213%
19	11.157	1537	1542	1546	rBV4	85996	154893	6.33%	0.366%
20	11.198	1546	1549	1554	rVB	141093	144427	5.90%	0.341%
21	11.304	1563	1567	1568	rBV	703817	657306	26.84%	1.553%
22	11.327	1568	1571	1574	rVV	2311498	1894859	77.39%	4.478%
23	11.374	1574	1579	1582	rVV	603549	545585	22.28%	1.289%
24	11.410	1582	1585	1588	rVV	111110	95437	3.90%	0.226%
25	11.533	1600	1606	1609	rBV2	308771	298485	12.19%	0.705%
26	11.804	1647	1652	1654	rBV	207942	181070	7.39%	0.428%
27	11.833	1654	1657	1662	rVV2	514664	524729	21.43%	1.240%
28	11.880	1662	1665	1668	rVV	128747	122381	5.00%	0.289%
29	11.916	1668	1671	1674	rVV	406022	430501	17.58%	1.017%
30	11.939	1674	1675	1680	rVB	142823	86410	3.53%	0.204%
31	12.104	1700	1703	1705	rBV	160256	131402	5.37%	0.311%
32	12.127	1705	1707	1710	rVB	87201	72914	2.98%	0.172%
33	12.251	1723	1728	1731	rBV	63486	66301	2.71%	0.157%
34	12.357	1742	1746	1749	rVV	132467	145175	5.93%	0.343%
35	12.398	1749	1753	1758	rVV2	87464	150408	6.14%	0.355%
36	12.445	1758	1761	1765	rVB2	76617	84804	3.46%	0.200%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.527	1770	1775	1778	rBV	2288189	2237649	91.38%	5.288%
38	12.580	1780	1784	1787	rVV2	37342	63791	2.61%	0.151%
39	12.621	1787	1791	1796	rBV2	60806	111148	4.54%	0.263%
40	12.668	1796	1799	1803	rVV	77637	92145	3.76%	0.218%
41	12.751	1807	1813	1819	rBV2	1849272	2332009	95.24%	5.511%
42	12.798	1819	1821	1827	rVB2	104486	119836	4.89%	0.283%
43	12.868	1829	1833	1835	rBV	139597	137190	5.60%	0.324%
44	12.898	1835	1838	1845	rVB	1363408	1254453	51.23%	2.965%
45	12.974	1845	1851	1853	rBV2	118840	208254	8.51%	0.492%
46	13.004	1853	1856	1858	rVB	72485	61839	2.53%	0.146%
47	13.057	1861	1865	1866	rVV4	89825	93907	3.84%	0.222%
48	13.080	1866	1869	1872	rVB	412416	379936	15.52%	0.898%
49	13.145	1876	1880	1883	rBV	352499	336897	13.76%	0.796%
50	13.186	1883	1887	1889	rBV2	191691	213762	8.73%	0.505%
51	13.210	1889	1891	1894	rVB2	94588	84630	3.46%	0.200%
52	13.274	1899	1902	1905	rBV	91848	90540	3.70%	0.214%
53	13.310	1905	1908	1911	rBV2	104288	106332	4.34%	0.251%
54	13.486	1931	1938	1939	rBV4	85870	147469	6.02%	0.349%
55	13.510	1939	1942	1945	rVV2	103093	120875	4.94%	0.286%
56	13.568	1948	1952	1954	rBV2	69824	88441	3.61%	0.209%
57	13.592	1954	1956	1960	rVB	100342	111508	4.55%	0.264%
58	13.704	1971	1975	1977	rBV	222488	215121	8.79%	0.508%
59	13.733	1977	1980	1982	rBV	152823	127468	5.21%	0.301%
60	13.757	1982	1984	1985	rBV	121536	97410	3.98%	0.230%
61	13.804	1990	1992	1993	rBV	87372	67537	2.76%	0.160%
62	13.874	2001	2004	2009	rVB	55342	65690	2.68%	0.155%
63	13.951	2010	2017	2021	rBV2	1542660	2448604	100.00%	5.787%
64	13.986	2021	2023	2026	rVB	1336241	1045039	42.68%	2.470%
65	14.062	2033	2036	2039	rVB	342336	263145	10.75%	0.622%
66	14.151	2048	2051	2053	rVV	161683	151345	6.18%	0.358%
67	14.168	2053	2054	2055	rVV	92992	62900	2.57%	0.149%
68	14.186	2055	2057	2060	rVV	177392	157997	6.45%	0.373%
69	14.310	2070	2078	2080	rBV3	102156	185532	7.58%	0.438%
70	14.345	2080	2084	2087	rVB	263820	269364	11.00%	0.637%
71	14.380	2087	2090	2093	rVB	139899	123338	5.04%	0.291%
72	14.439	2097	2100	2103	rVV2	166772	172652	7.05%	0.408%
73	14.468	2103	2105	2107	rVV	136403	131740	5.38%	0.311%
74	14.492	2107	2109	2113	rVB2	238372	190925	7.80%	0.451%
75	14.545	2116	2118	2124	rVB2	113947	123775	5.05%	0.293%
76	14.657	2134	2137	2140	rBV2	136324	151471	6.19%	0.358%

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77	14.733	2148	2150	2154	rBV3	59488	85366	3.49%	0.202%
78	14.768	2154	2156	2161	rVB3	57545	63250	2.58%	0.149%
79	14.839	2165	2168	2172	rVV	106664	137486	5.61%	0.325%
80	14.904	2176	2179	2183	rVV3	52545	71208	2.91%	0.168%
81	14.945	2184	2186	2190	rVV	56844	66066	2.70%	0.156%
82	15.009	2191	2197	2199	rVV	1326199	2129708	86.98%	5.033%
83	15.027	2199	2200	2204	rVV	824017	702643	28.70%	1.661%
84	15.080	2206	2209	2211	rVV2	67700	83544	3.41%	0.197%
85	15.109	2211	2214	2217	rVB	319833	323191	13.20%	0.764%
86	15.198	2226	2229	2230	rBV2	67203	69486	2.84%	0.164%
87	15.309	2242	2248	2254	rVB	780655	1118903	45.70%	2.644%
88	15.374	2254	2259	2263	rVV	1323142	1620764	66.19%	3.830%
89	15.433	2264	2269	2271	rVV	461754	622720	25.43%	1.472%
90	15.462	2271	2274	2280	rVB	464843	599420	24.48%	1.417%
91	15.745	2320	2322	2326	rVV2	60611	78927	3.22%	0.187%
92	15.786	2327	2329	2336	rVB4	65195	109834	4.49%	0.260%
93	15.915	2347	2351	2355	rBV2	43188	73367	3.00%	0.173%
94	15.992	2360	2364	2370	rVB3	96662	147895	6.04%	0.350%
95	16.721	2484	2488	2489	rBV	53717	71984	2.94%	0.170%
96	16.915	2514	2521	2528	rVB2	528047	1079840	44.10%	2.552%
97	17.086	2545	2550	2555	rBV	105431	216614	8.85%	0.512%
98	17.145	2556	2560	2565	rVV2	82509	146254	5.97%	0.346%
99	17.362	2589	2597	2607	rBV	371690	838264	34.23%	1.981%
100	17.598	2631	2637	2648	rVB	140248	309473	12.64%	0.731%

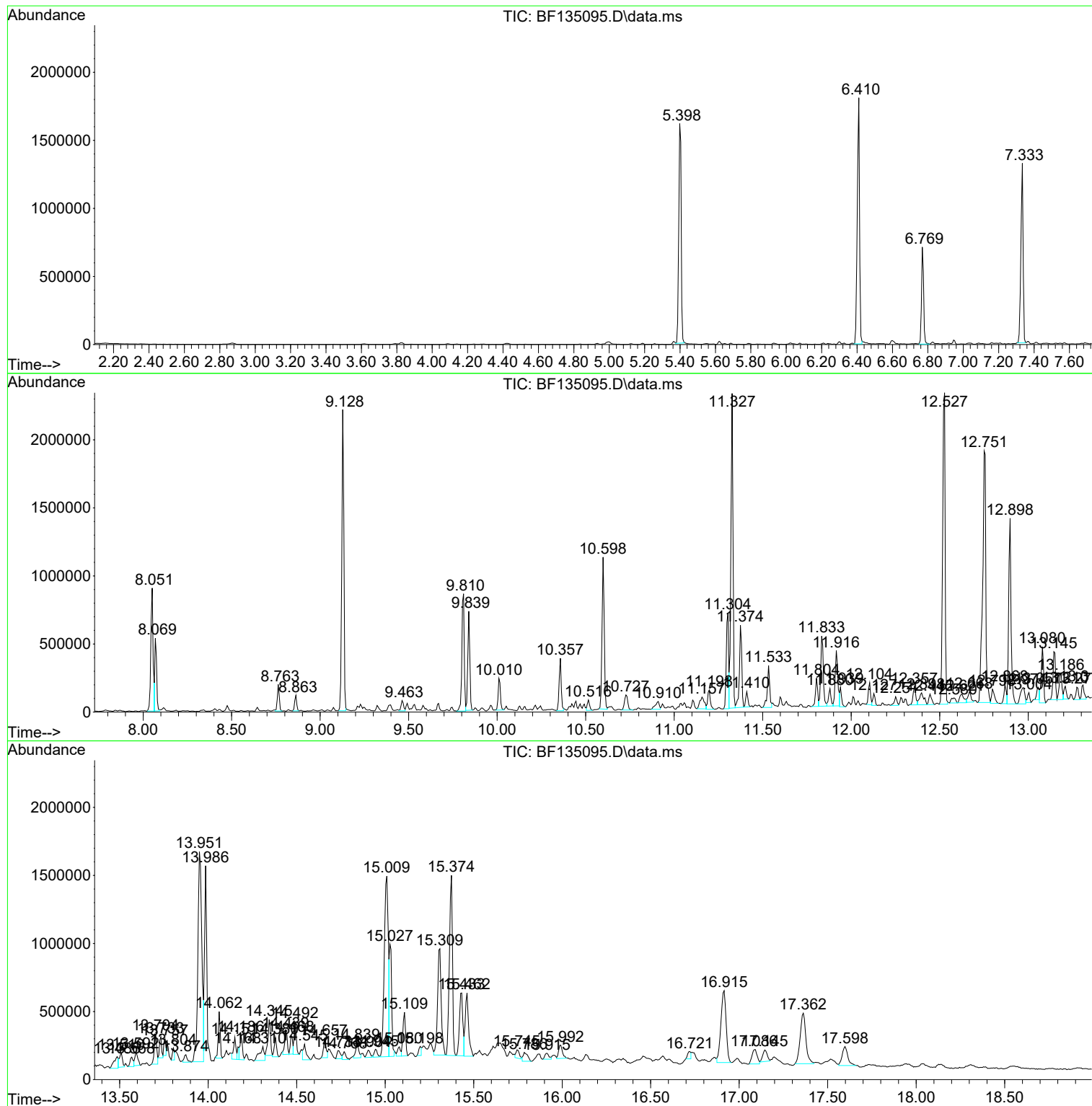
Sum of corrected areas: 42312344

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
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Instrument :
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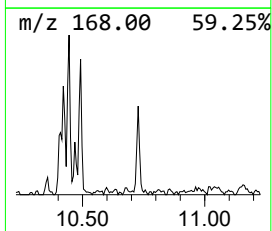
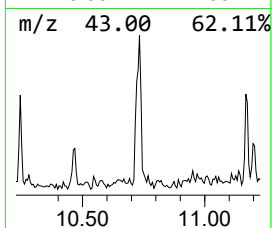
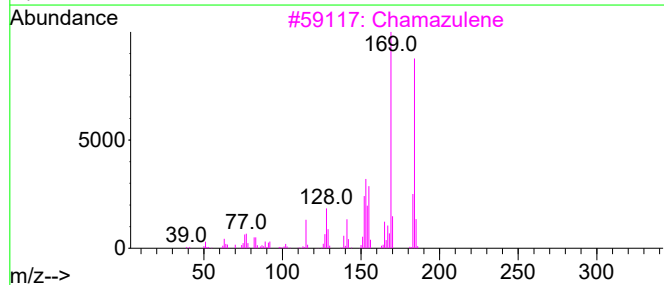
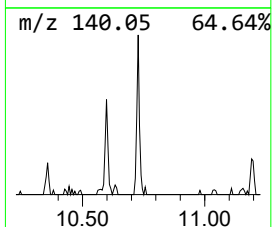
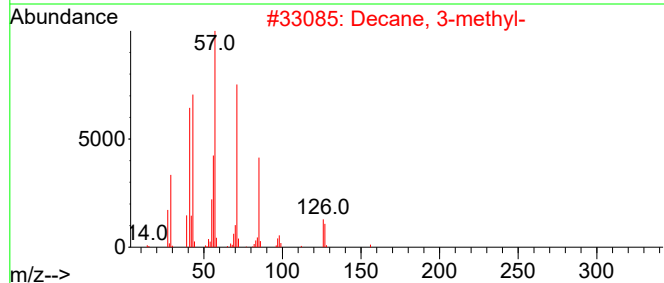
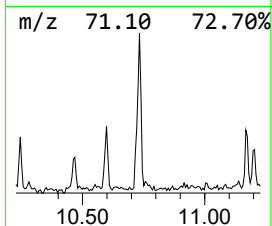
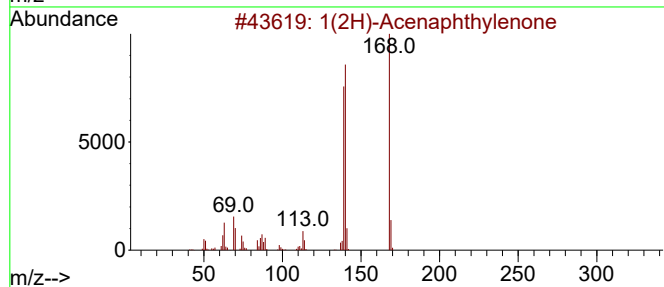
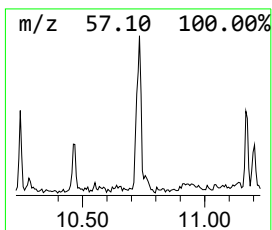
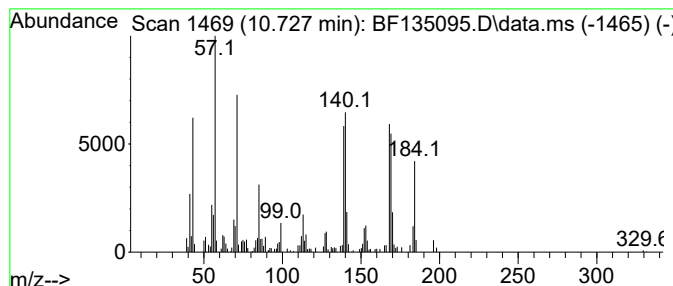
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown10.727 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.727	4.39 ng	144272	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	42
2			Decane, 3-methyl-	156	C11H24	013151-34-3	25
3			Chamazulene	184	C14H16	000529-05-5	25
4			Tridecane, 3-methyl-	198	C14H30	006418-41-3	22
5			Pyridine, 3-(phenylmethyl)-	169	C12H11N	000620-95-1	20



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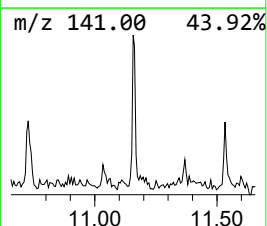
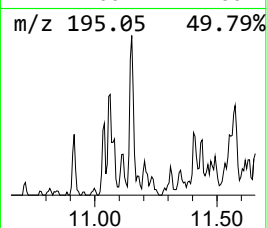
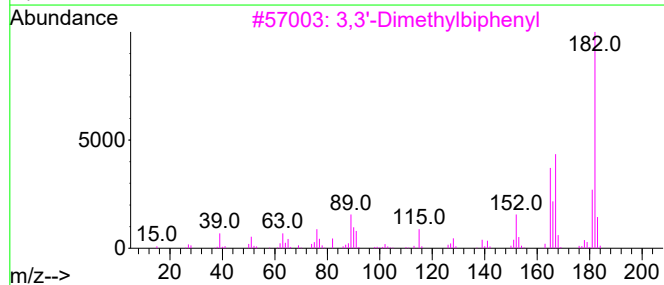
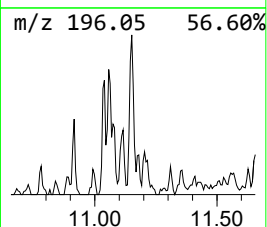
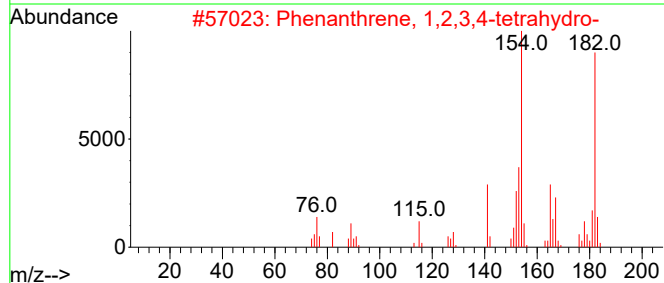
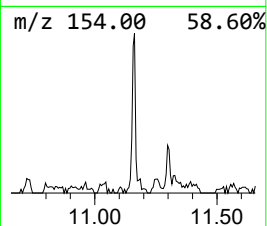
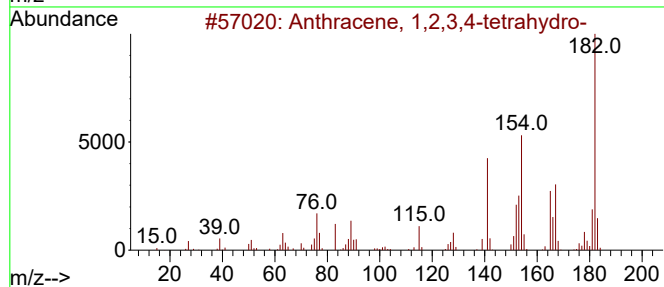
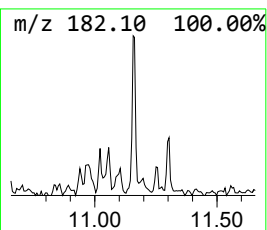
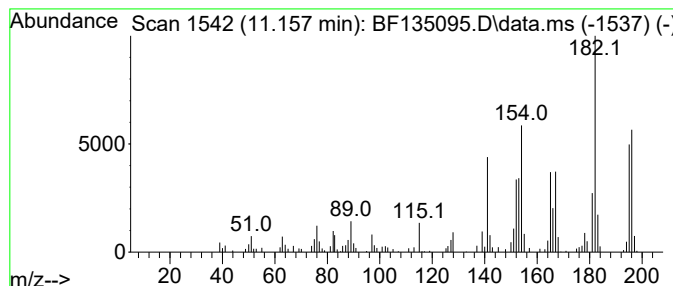
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	4.71 ng	154893	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	95
2			Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	87
3			3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50
4			1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
5			Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	46



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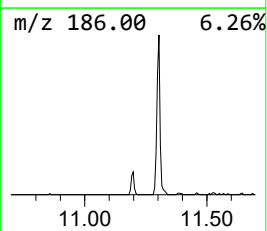
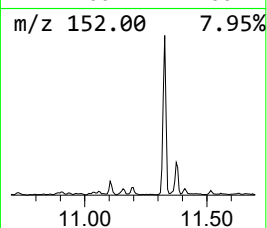
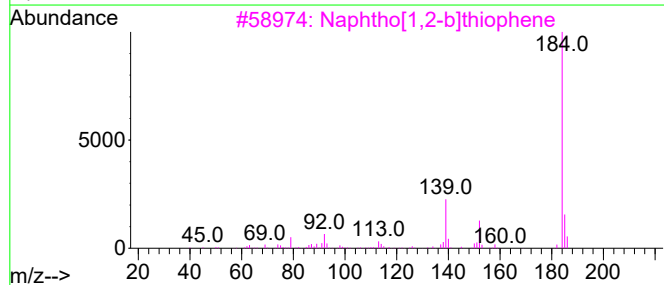
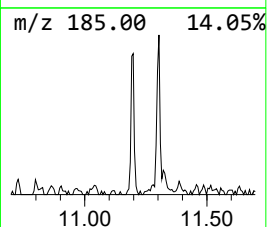
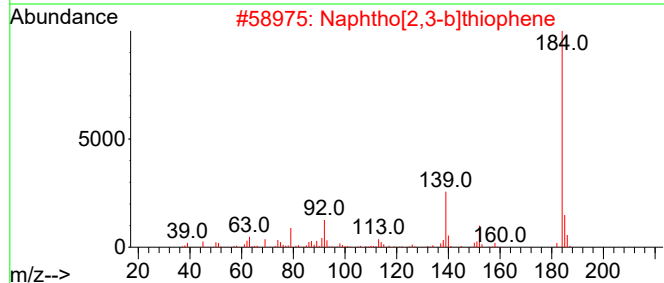
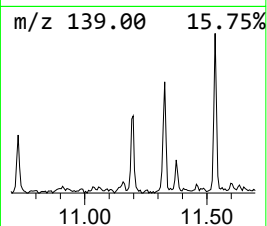
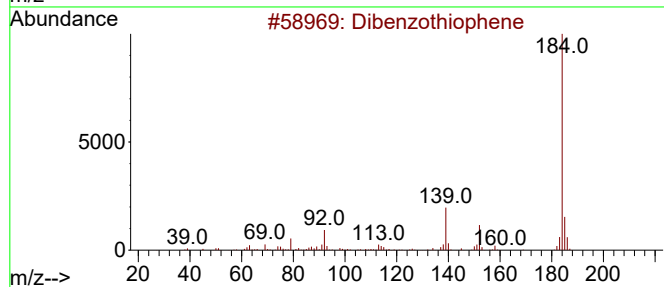
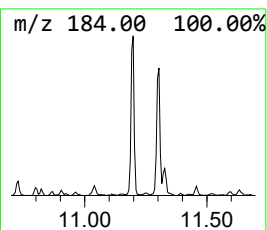
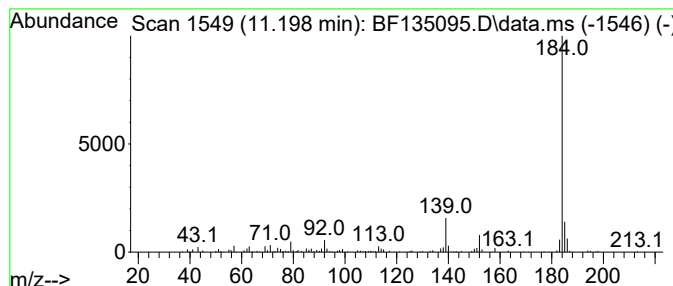
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
11.198	4.39 ng	144427	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	96
2			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90



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Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-24(4-5)

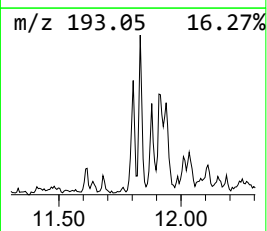
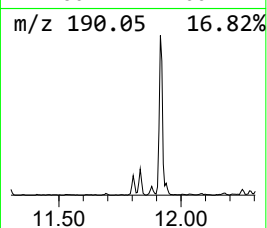
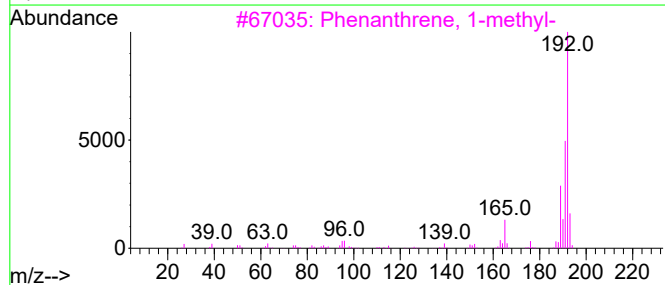
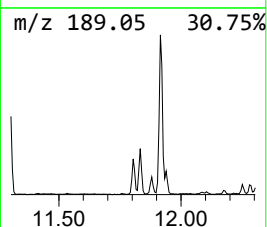
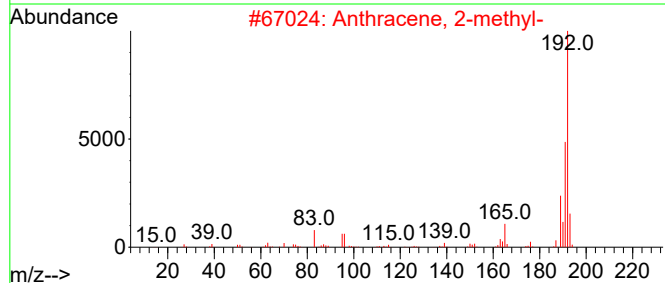
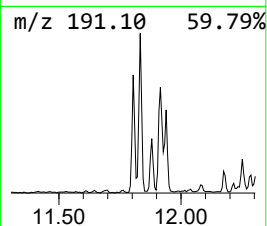
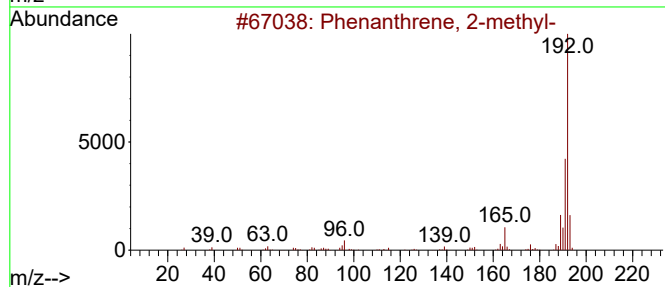
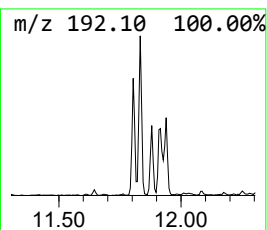
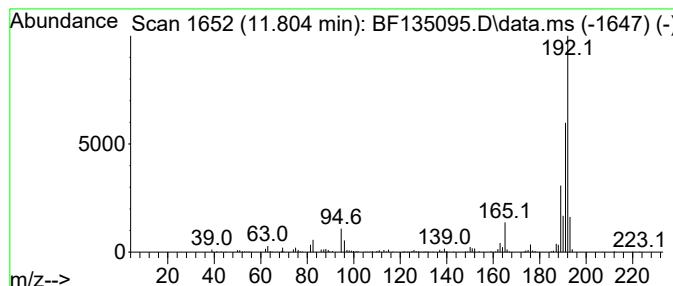
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	5.51 ng	181070	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
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Instrument :
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ClientSampleId :
TP-24(4-5)

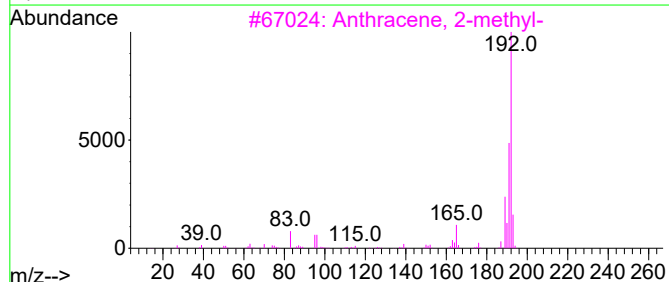
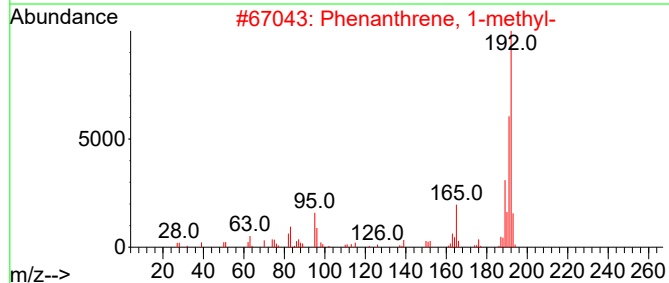
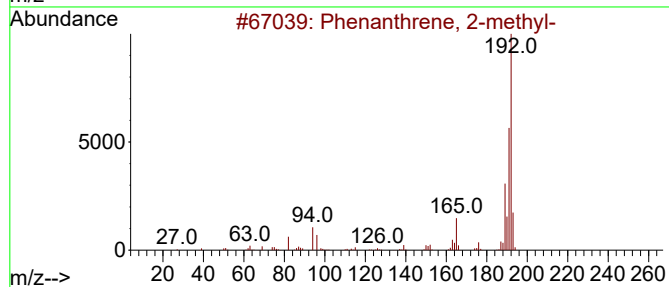
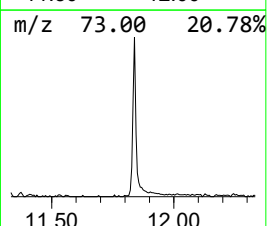
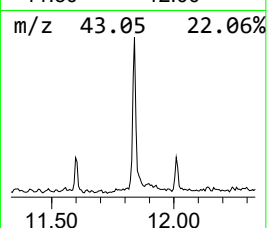
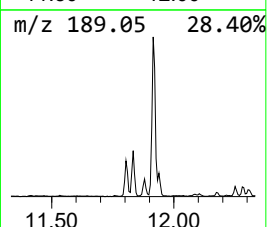
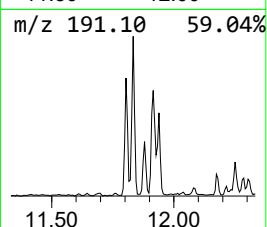
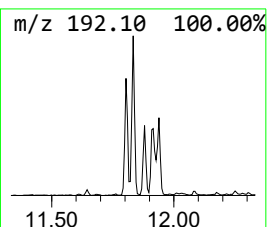
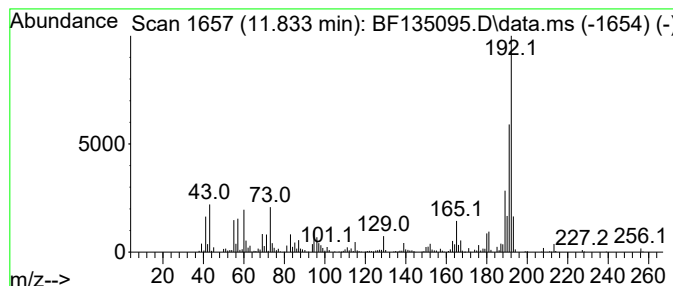
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	15.97 ng	524729	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-24(4-5)

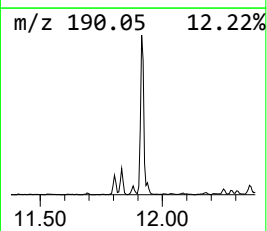
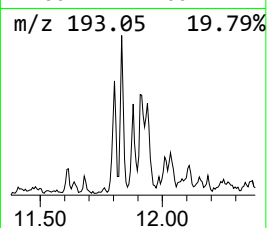
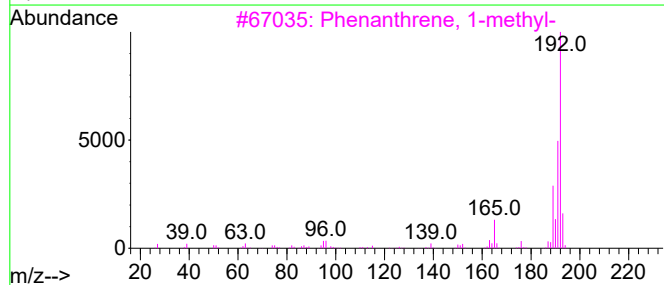
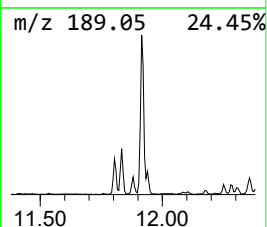
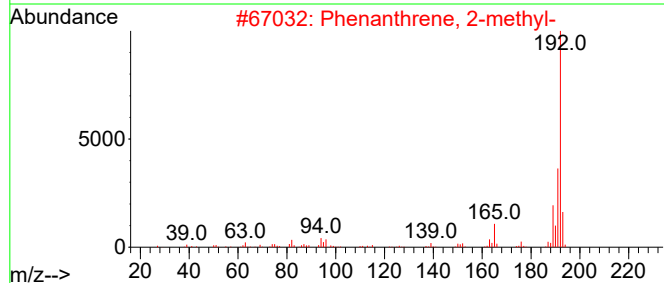
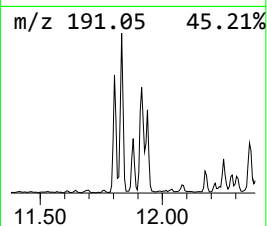
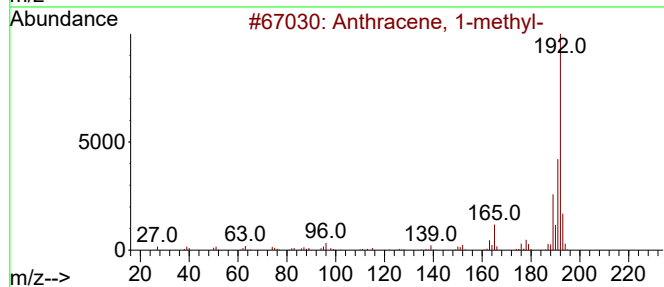
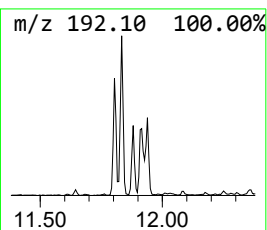
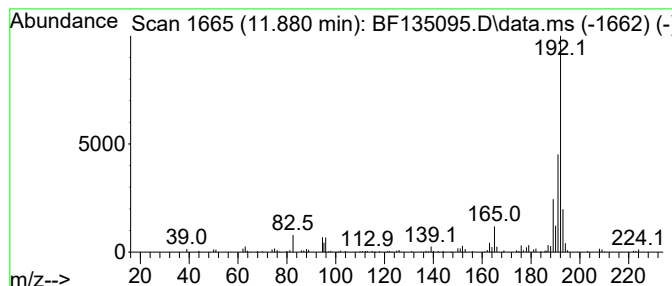
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	3.72 ng	122381	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

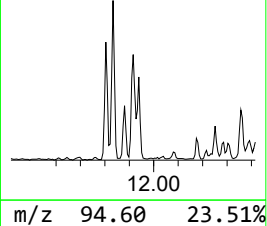
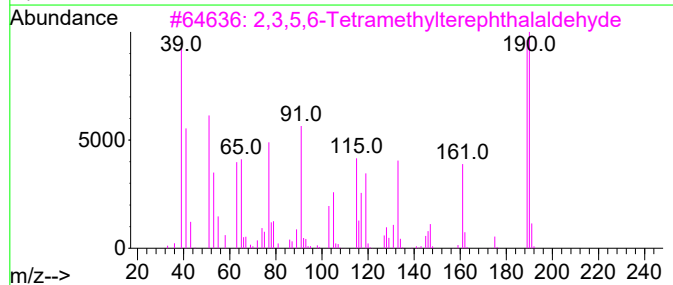
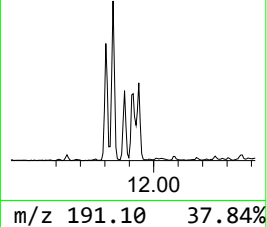
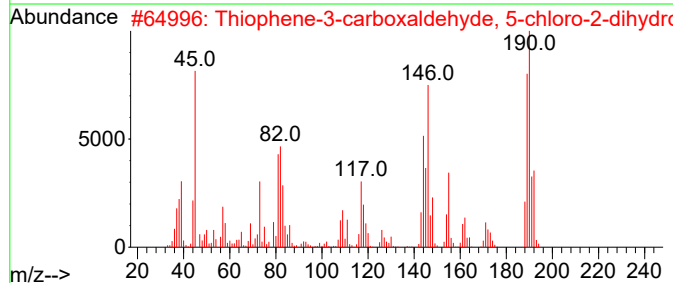
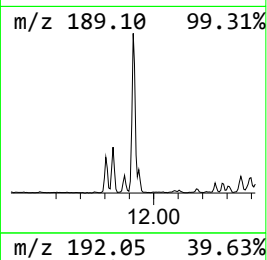
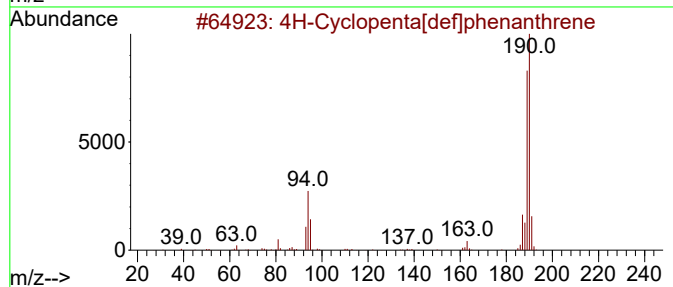
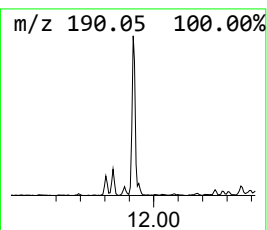
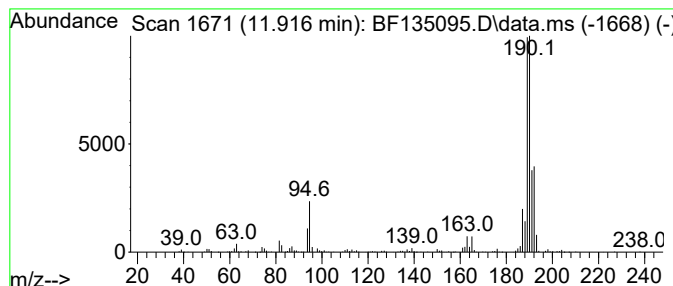
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.916	13.10 ng	430501	Phenanthrene-d10		11.304	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...		190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthald...		190	C12H14O2	007072-01-7	47
4	6H-Cyclobuta[jk]phenanthrene		190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)		190	C10H14N4	069286-06-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
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Sample : 04110-17
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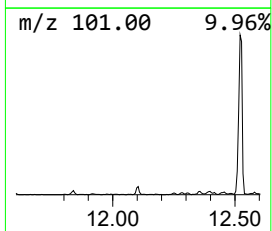
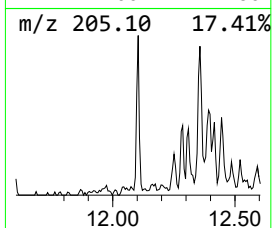
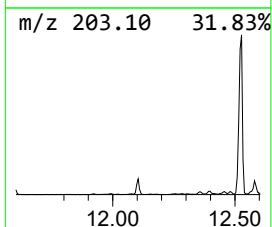
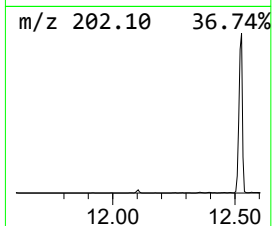
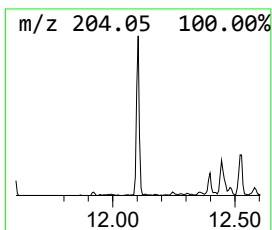
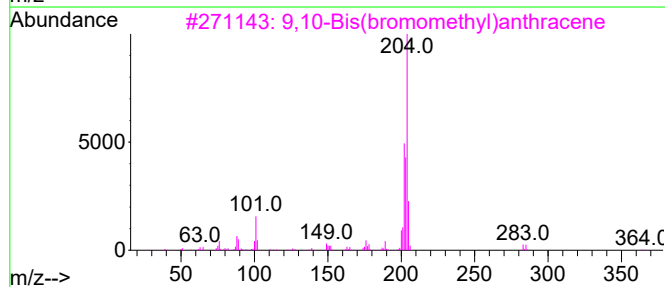
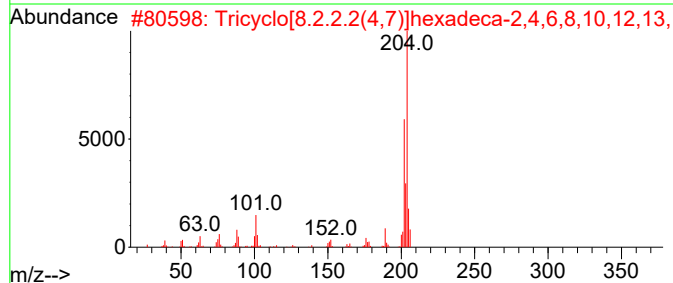
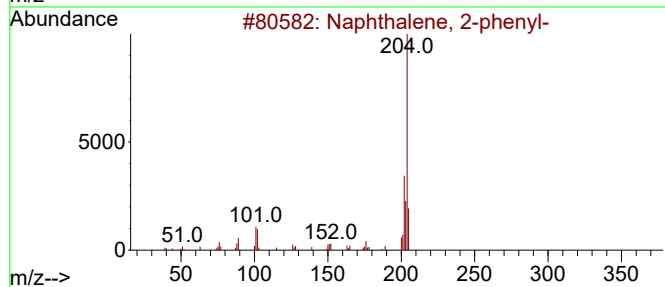
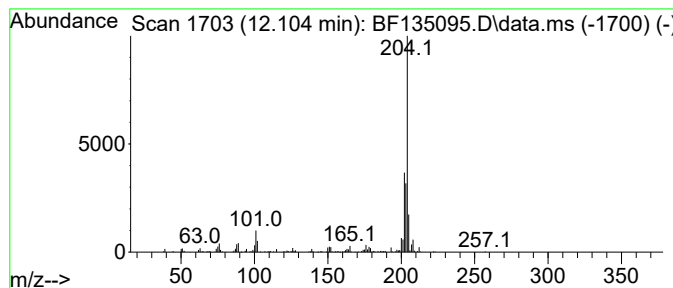
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.104	4.00 ng	131402	Phenanthrene-d10	11.304	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
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ClientSampleId :
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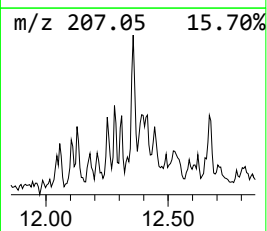
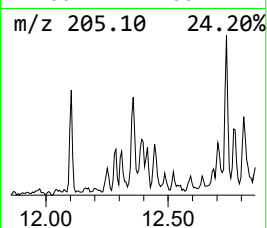
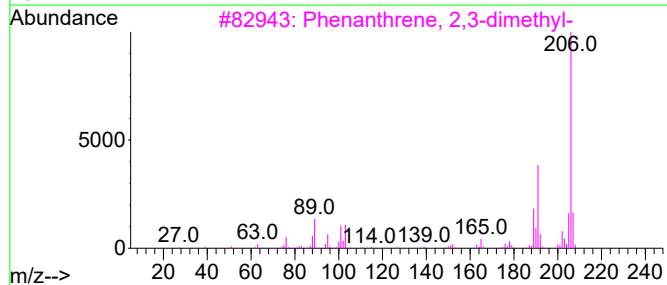
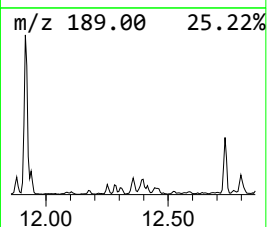
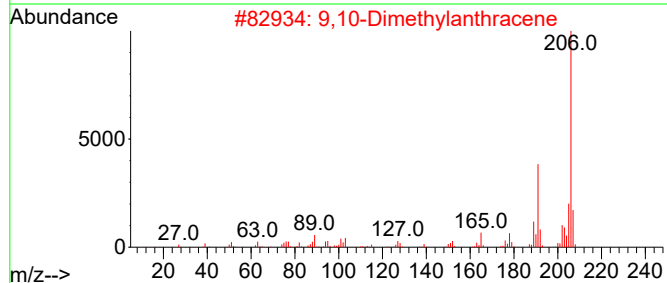
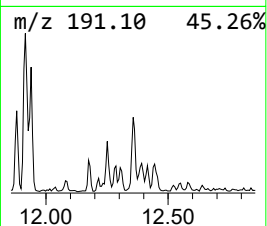
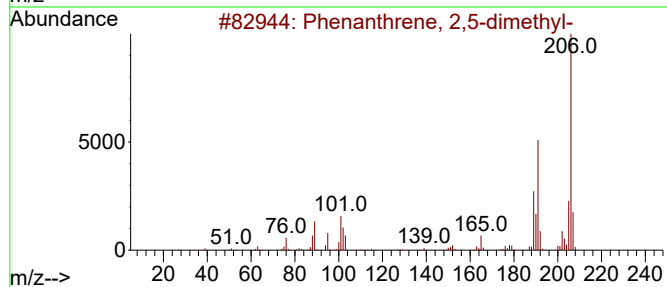
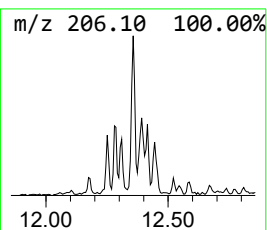
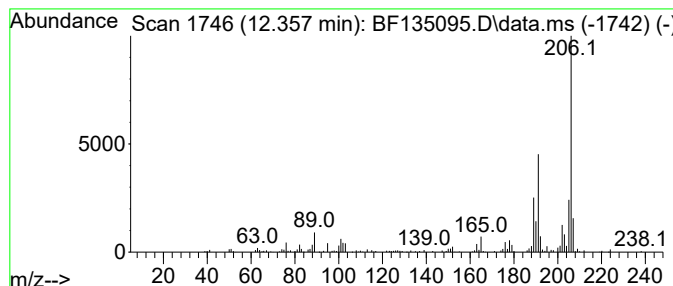
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	4.42 ng	145175	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-24(4-5)

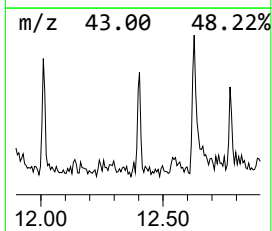
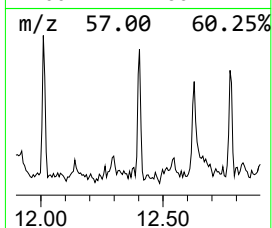
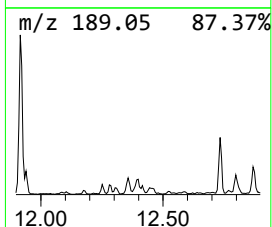
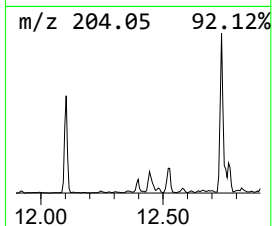
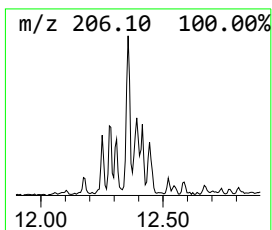
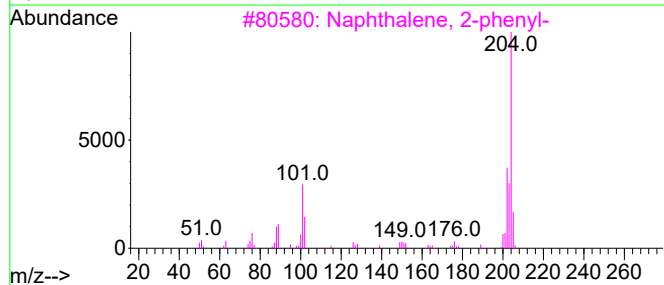
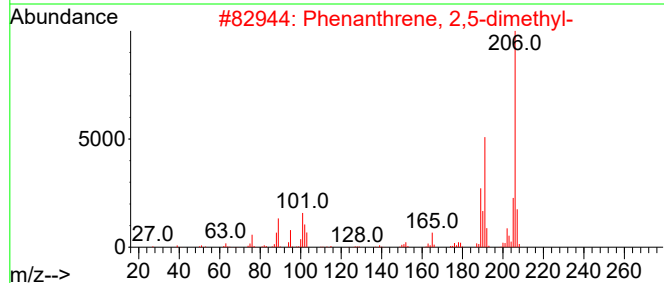
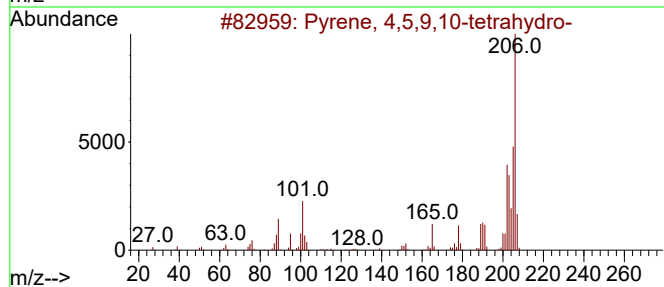
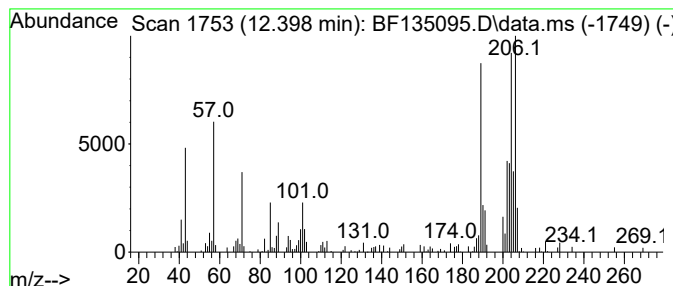
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.398 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	4.58 ng	150408	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	30
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

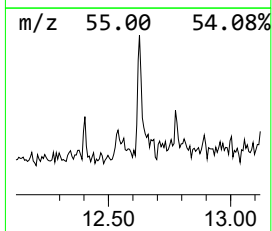
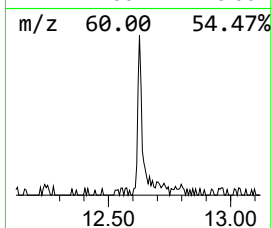
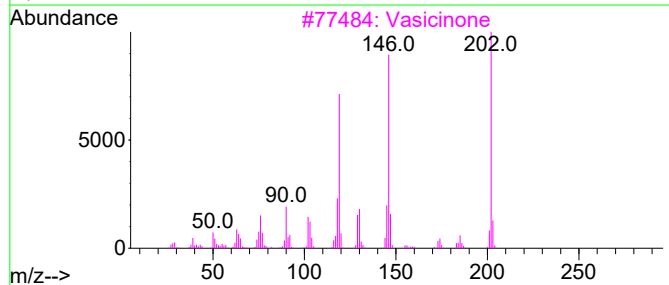
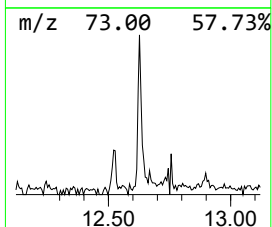
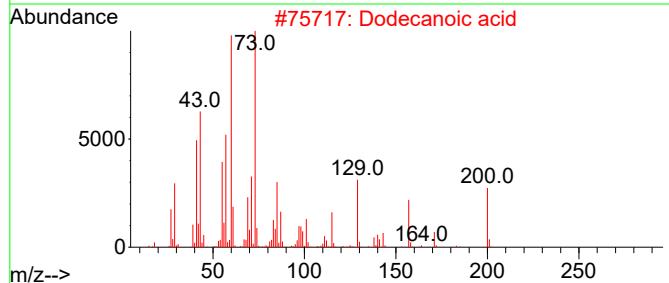
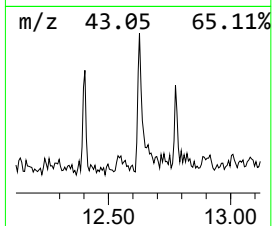
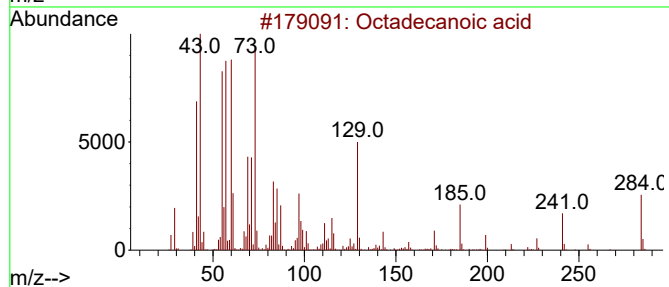
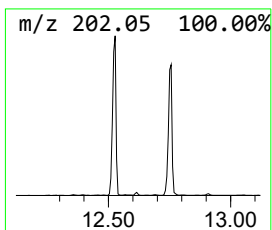
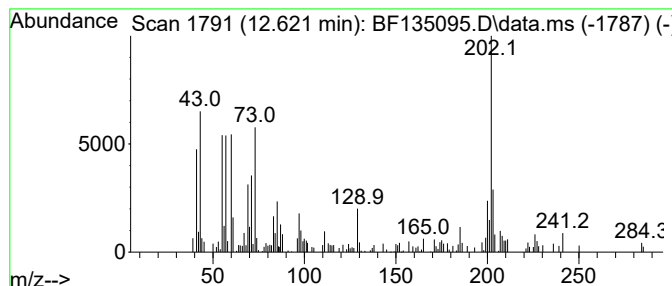
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TP-24(4-5)

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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 Octadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.621	3.38 ng	111148	Phenanthrene-d10		11.304	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octadecanoic acid		284	C18H36O2	000057-11-4	93
2	Dodecanoic acid		200	C12H24O2	000143-07-7	52
3	Vasicinone		202	C11H10N2O2	000486-64-6	38
4	Benzene, 1,1'-(1,3-butadiyne-1,4...		202	C16H10	000886-66-8	38
5	Pyrene		202	C16H10	000129-00-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
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Misc :
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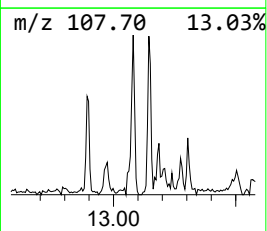
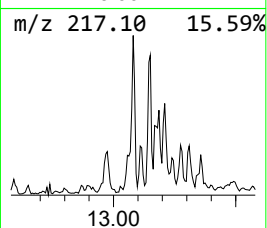
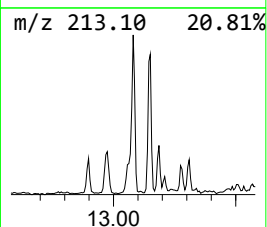
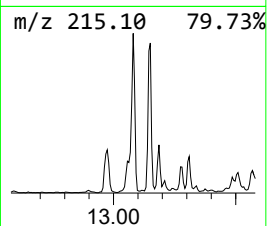
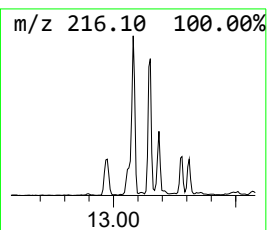
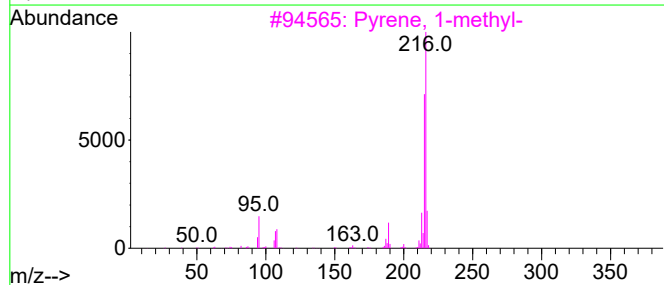
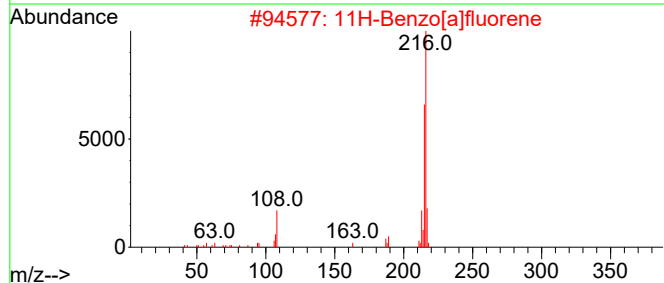
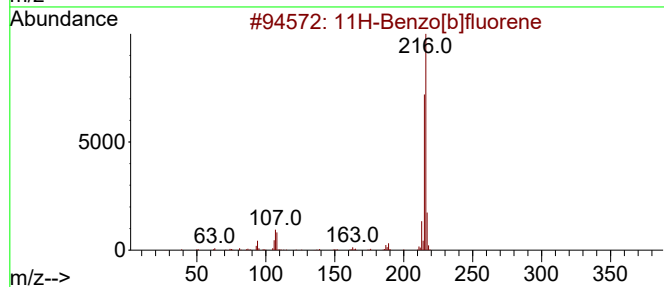
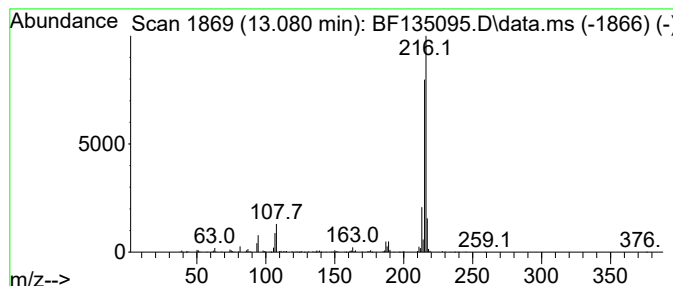
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.080	3.10 ng	379936	Chrysene-d12	13.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
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Operator : CG\JU
Sample : 04110-17
Misc :
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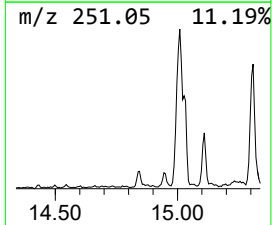
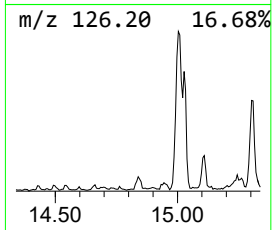
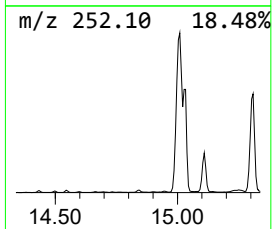
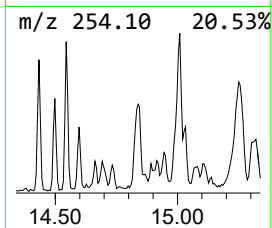
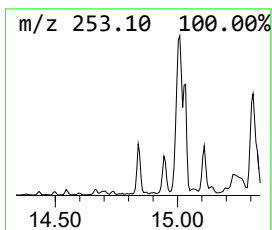
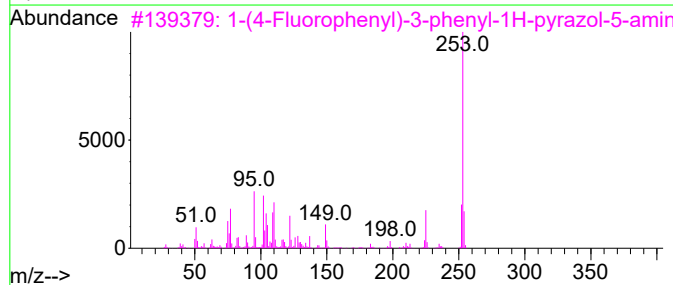
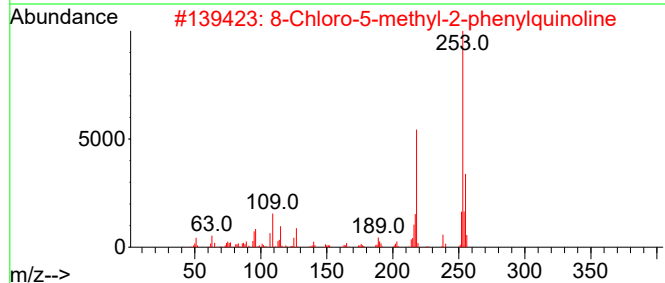
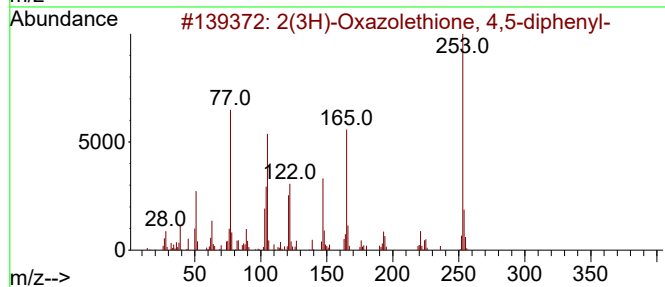
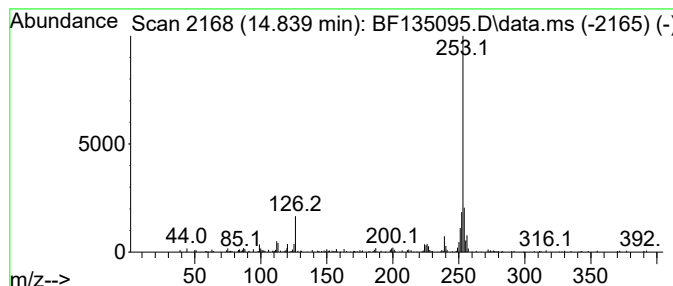
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 2(3H)-Oxazolethione, 4,5-di... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.839	4.42 ng	137486	Perylene-d12	15.433	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Oxazolethione, 4,5-diphenyl-	253	C15H11NOS	006670-13-9	64
2	8-Chloro-5-methyl-2-phenylquinoline	253	C16H12ClN	025413-16-5	59
3	1-(4-Fluorophenyl)-3-phenyl-1H-p...	253	C15H12FN3	072411-51-9	59
4	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	56
5	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

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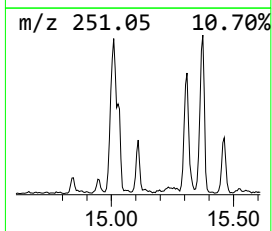
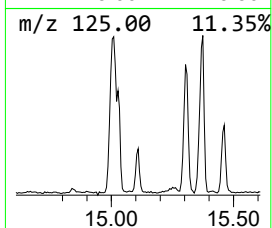
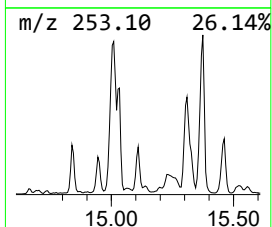
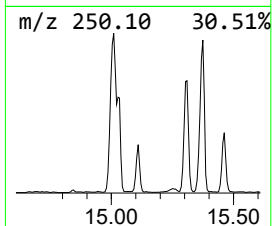
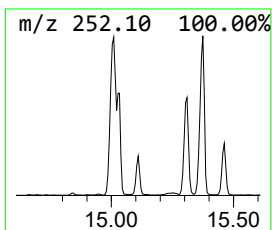
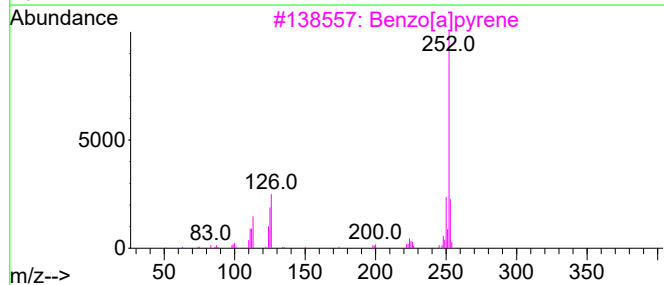
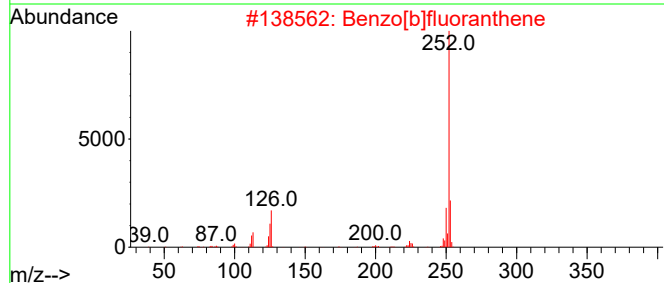
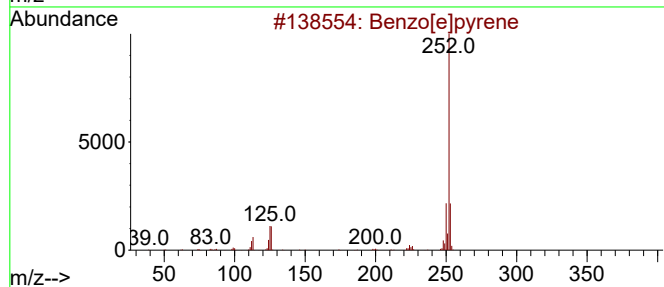
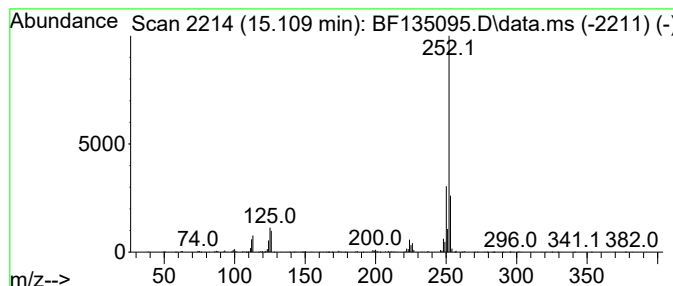
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.110	10.38 ng	323191	Perylene-d12	15.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	95
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3			Benzo[a]pyrene	252	C20H12	000050-32-8	90
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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TP-24(4-5)

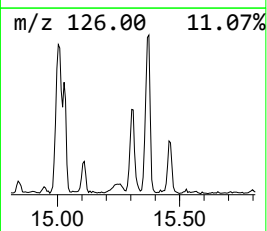
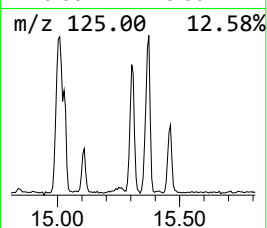
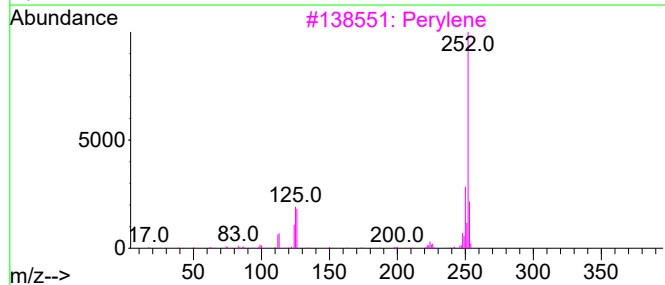
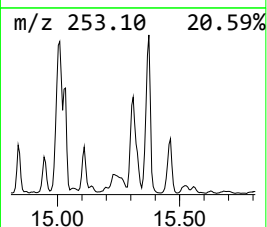
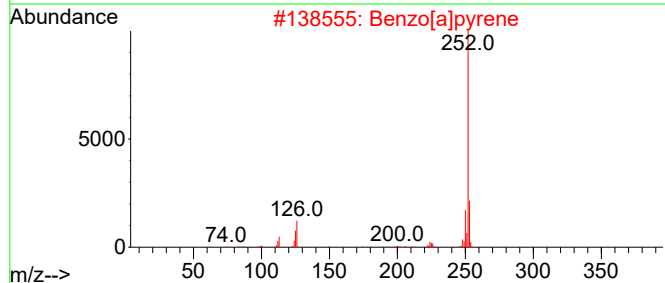
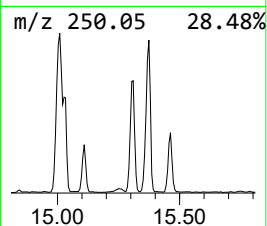
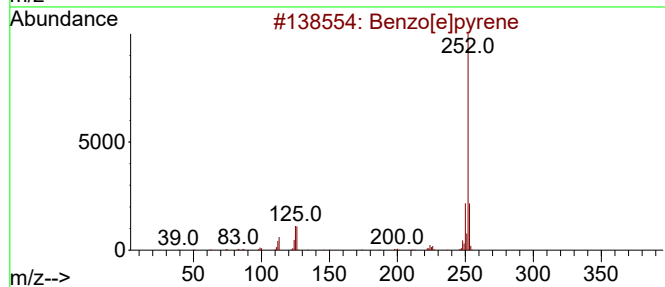
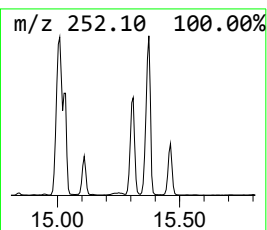
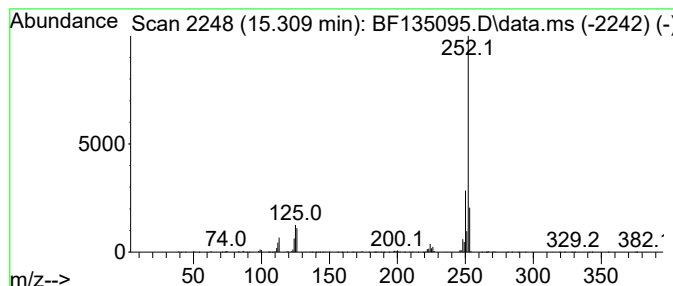
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	35.94 ng	1118900	Perylene-d12	15.433

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-24(4-5)

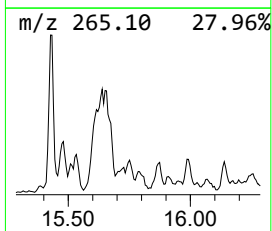
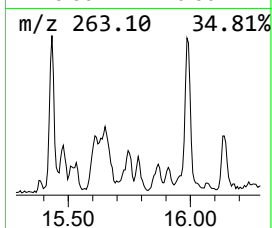
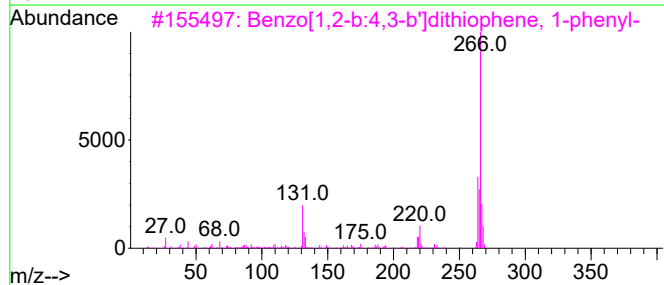
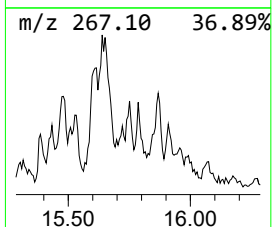
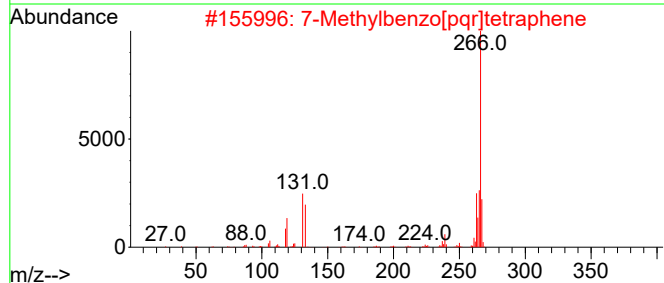
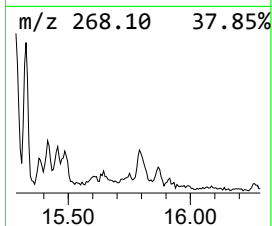
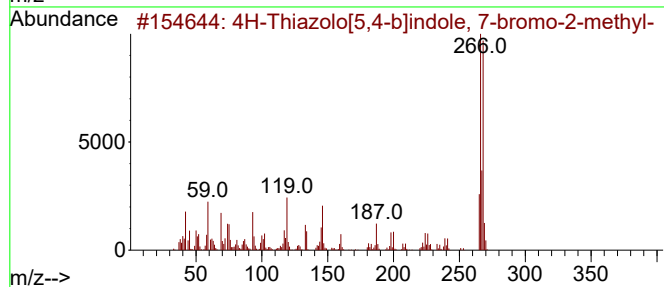
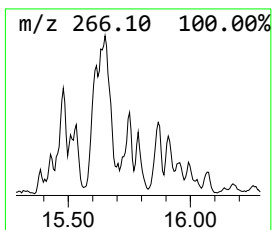
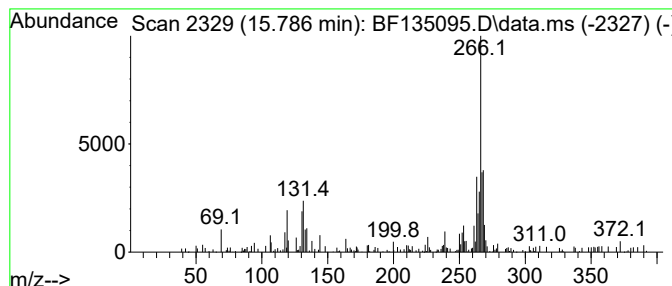
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4H-Thiazolo[5,4-b]indole, 7... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.786	3.53 ng	109834	Perylene-d12	15.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Thiazolo[5,4-b]indole, 7-brom...	266	C10H7BrN2S	1000337-12-4	60
2			7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	58
3			Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	50
4			4-(1-Azepanyl)-3-chloroaniline, ...	266	C14H19ClN2O	1000506-20-9	49
5			Mazindol	284	C16H13ClN2O	022232-71-9	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
TP-24(4-5)

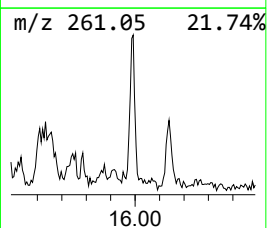
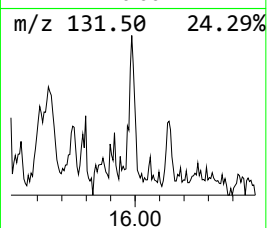
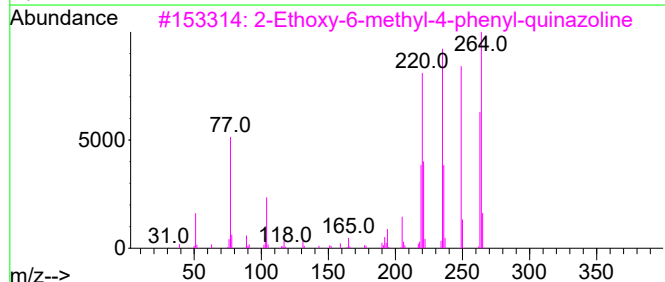
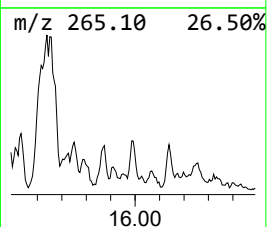
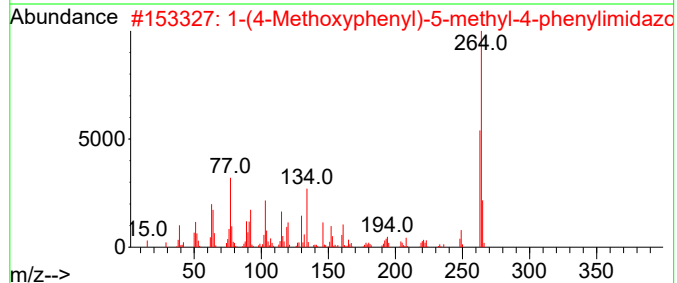
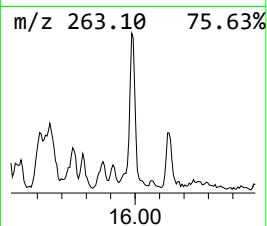
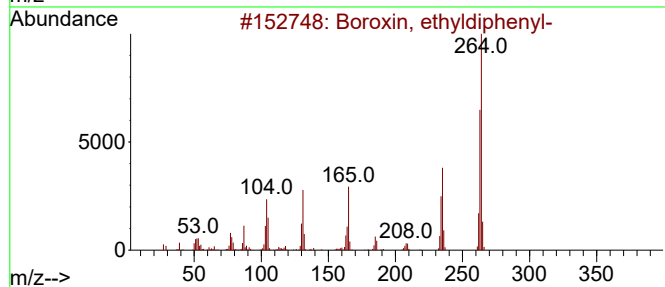
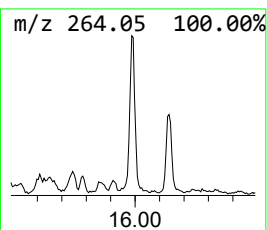
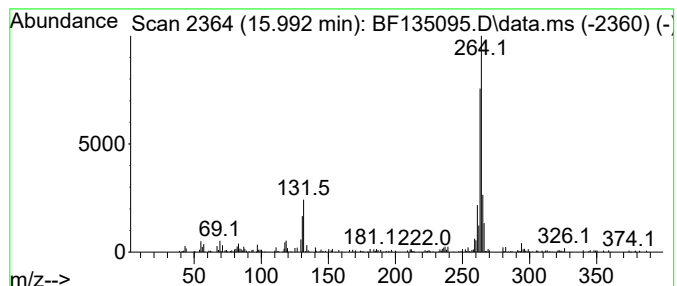
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Boroxin, ethyldiphenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.992	4.75 ng	147895	Perylene-d12	15.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	50
2			1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	42
3			2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	38
4			1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10C1N3S	068364-67-0	38
5			Tricyclo[10.2.2.2(5,8)]octadeca...	264	C20H24	024777-38-6	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-24(4-5)

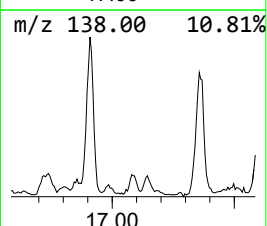
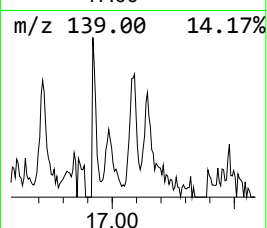
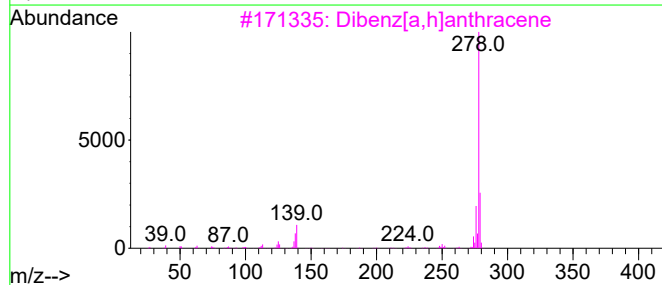
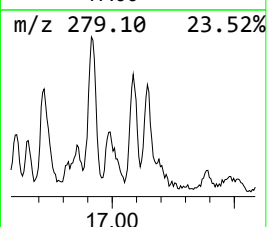
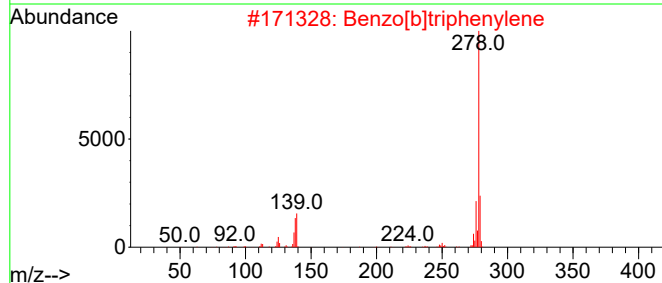
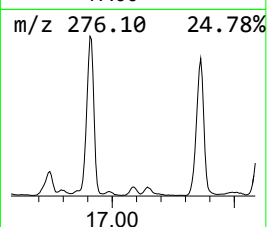
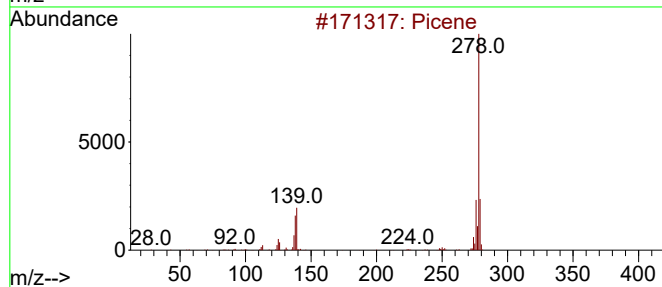
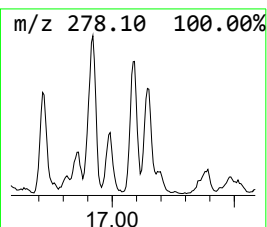
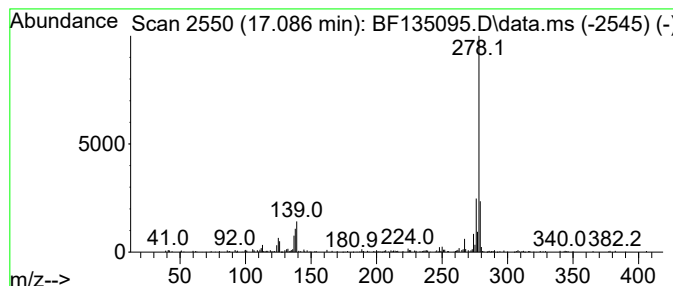
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	6.96 ng	216614	Perylene-d12	15.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	98
2			Benzo[b]triphenylene	278	C22H14	000215-58-7	96
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4			Benzo[b]chrysene	278	C22H14	000214-17-5	94
5			Pentaphene	278	C22H14	000222-93-5	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135095.D
Acq On : 05 Sep 2023 14:59
Operator : CG\JU
Sample : 04110-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-24(4-5)

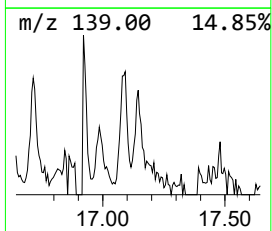
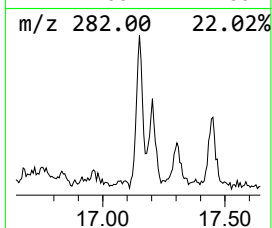
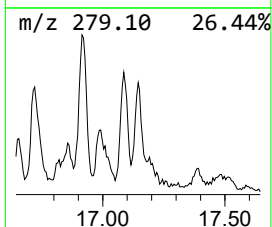
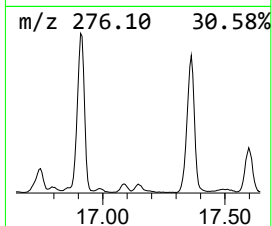
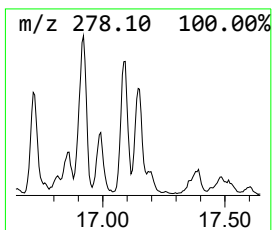
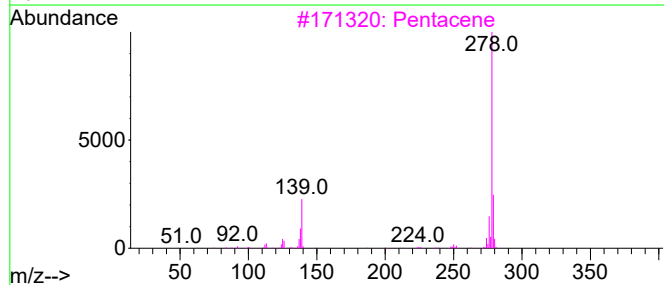
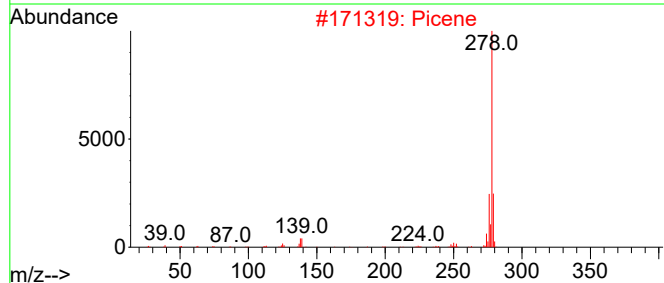
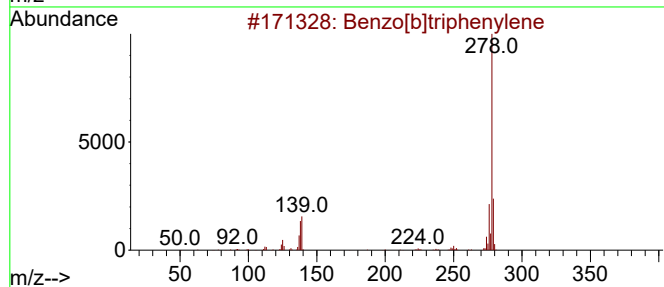
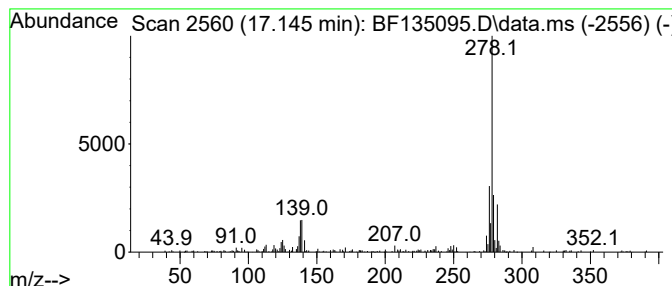
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.145	4.70 ng	146254	Perylene-d12	15.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2			Picene	278	C22H14	000213-46-7	93
3			Pentacene	278	C22H14	000135-48-8	92
4			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5			Benzo[a]naphthacene	278	C22H14	000226-88-0	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135095.D
 Acq On : 05 Sep 2023 14:59
 Operator : CG\JU
 Sample : 04110-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-24(4-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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
unknown10.727	10.727	4.4	ng	144272	4	11.304	657306	20.0
Anthracene, 1,2...	11.157	4.7	ng	154893	4	11.304	657306	20.0
Dibenzothiophene	11.198	4.4	ng	144427	4	11.304	657306	20.0
Phenanthrene, 2...	11.804	5.5	ng	181070	4	11.304	657306	20.0
Phenanthrene, 1...	11.833	16.0	ng	524729	4	11.304	657306	20.0
Anthracene, 1-m...	11.880	3.7	ng	122381	4	11.304	657306	20.0
4H-Cyclopenta[d...	11.916	13.1	ng	430501	4	11.304	657306	20.0
Naphthalene, 2-...	12.104	4.0	ng	131402	4	11.304	657306	20.0
Phenanthrene, 2...	12.357	4.4	ng	145175	4	11.304	657306	20.0
unknown12.398	12.398	4.6	ng	150408	4	11.304	657306	20.0
Octadecanoic acid	12.621	3.4	ng	111148	4	11.304	657306	20.0
11H-Benzo[b]flu...	13.080	3.1	ng	379936	5	13.963	2448600	20.0
2(3H)-Oxazoleth...	14.839	4.4	ng	137486	6	15.433	622720	20.0
Benzo[e]pyrene	15.110	10.4	ng	323191	6	15.433	622720	20.0
Perylene	15.310	35.9	ng	1118900	6	15.433	622720	20.0
4H-Thiazolo[5,4...	15.786	3.5	ng	109834	6	15.433	622720	20.0
Boroxin, ethyld...	15.992	4.8	ng	147895	6	15.433	622720	20.0
Picene	17.086	7.0	ng	216614	6	15.433	622720	20.0
Benzo[b]triphen...	17.145	4.7	ng	146254	6	15.433	622720	20.0