

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135379.D
 Acq On : 21 Sep 2023 14:32
 Operator : CG\JU
 Sample : 04501-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

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-BF091123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135379.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.799	287	291	297	rVB	22114	33053	1.07%	0.092%
2	4.993	490	494	501	rBV	40659	54145	1.76%	0.150%
3	5.387	557	561	572	rBV	2860651	2999227	97.53%	8.316%
4	6.404	729	734	751	rBV	3052047	3075152	100.00%	8.526%
5	6.598	761	767	772	rBV2	33610	69717	2.27%	0.193%
6	6.757	790	794	801	rVB	1143316	906880	29.49%	2.514%
7	7.322	886	890	893	rBV	2209496	1920294	62.45%	5.324%
8	8.034	1005	1011	1014	rBV	1390406	1150645	37.42%	3.190%
9	8.457	1079	1083	1085	rBV	45900	39858	1.30%	0.111%
10	8.845	1146	1149	1153	rVB	57463	53263	1.73%	0.148%
11	9.057	1182	1185	1190	rVB	46599	34307	1.12%	0.095%
12	9.116	1190	1195	1198	rBV	3323425	2878357	93.60%	7.981%
13	9.234	1212	1215	1218	rVB	62521	57355	1.87%	0.159%
14	9.381	1236	1240	1243	rBV2	47480	61145	1.99%	0.170%
15	9.451	1249	1252	1254	rBV	84007	80862	2.63%	0.224%
16	9.516	1261	1263	1265	rVB2	52010	35972	1.17%	0.100%
17	9.569	1269	1272	1277	rVB	38781	44823	1.46%	0.124%
18	9.651	1283	1286	1291	rBV	118100	102794	3.34%	0.285%
19	9.792	1303	1310	1313	rBV	1306446	1125092	36.59%	3.119%
20	9.822	1313	1315	1320	rVB	166762	144402	4.70%	0.400%
21	9.898	1325	1328	1332	rVB2	29220	34802	1.13%	0.096%
22	9.945	1332	1336	1340	rBV5	19968	35104	1.14%	0.097%
23	9.998	1340	1345	1349	rVV2	92561	97765	3.18%	0.271%
24	10.033	1349	1351	1355	rVB2	38475	35703	1.16%	0.099%
25	10.110	1360	1364	1367	rBV	41885	50200	1.63%	0.139%
26	10.198	1375	1379	1381	rBV2	35008	38638	1.26%	0.107%
27	10.339	1400	1403	1409	rVB	239688	214578	6.98%	0.595%
28	10.498	1427	1430	1434	rVB	50498	46527	1.51%	0.129%
29	10.586	1441	1445	1458	rVB	1463797	1456403	47.36%	4.038%
30	10.710	1462	1466	1472	rVB3	77500	111267	3.62%	0.308%
31	10.892	1492	1497	1499	rBV2	66740	77857	2.53%	0.216%
32	10.922	1499	1502	1505	rVB	43728	41171	1.34%	0.114%
33	11.092	1528	1531	1535	rVB2	44682	40219	1.31%	0.112%
34	11.180	1543	1546	1551	rVB	135572	127757	4.15%	0.354%
35	11.286	1560	1564	1565	rBV	945215	892793	29.03%	2.475%
36	11.310	1565	1568	1571	rVV	1274405	1149341	37.38%	3.187%

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Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

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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-BF091123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.357	1571	1576	1579	rVB	244654	232859	7.57%	0.646%
38	11.398	1579	1583	1585	rBV2	47692	50318	1.64%	0.140%
39	11.522	1599	1604	1611	rBV	115343	139883	4.55%	0.388%
40	11.580	1611	1614	1617	rVV	71329	66350	2.16%	0.184%
41	11.616	1617	1620	1625	rVV	84231	89895	2.92%	0.249%
42	11.698	1629	1634	1638	rVB2	55327	87002	2.83%	0.241%
43	11.786	1646	1649	1652	rBV	238029	224206	7.29%	0.622%
44	11.816	1652	1654	1659	rVV2	498599	505760	16.45%	1.402%
45	11.863	1659	1662	1665	rVV	81348	95610	3.11%	0.265%
46	11.898	1665	1668	1671	rVV	422489	445590	14.49%	1.235%
47	11.922	1671	1672	1677	rVB	169568	117508	3.82%	0.326%
48	12.022	1687	1689	1692	rVB	44403	35948	1.17%	0.100%
49	12.086	1697	1700	1702	rVV	144886	131647	4.28%	0.365%
50	12.116	1702	1705	1710	rVB	125172	125029	4.07%	0.347%
51	12.233	1723	1725	1728	rVB	48082	39433	1.28%	0.109%
52	12.269	1728	1731	1733	rBV	68459	62447	2.03%	0.173%
53	12.292	1733	1735	1737	rVB2	58605	43494	1.41%	0.121%
54	12.339	1739	1743	1746	rBV	193358	186822	6.08%	0.518%
55	12.380	1746	1750	1752	rVV2	114272	131696	4.28%	0.365%
56	12.427	1755	1758	1762	rBV3	97233	136538	4.44%	0.379%
57	12.504	1767	1771	1775	rBV	1656751	1403051	45.63%	3.890%
58	12.545	1775	1778	1780	rVV2	52608	59743	1.94%	0.166%
59	12.604	1784	1788	1792	rVV3	69119	109671	3.57%	0.304%
60	12.651	1794	1796	1800	rVV2	91344	116659	3.79%	0.323%
61	12.733	1804	1810	1816	rVV	1385425	1537246	49.99%	4.262%
62	12.786	1816	1819	1823	rVB2	73789	100911	3.28%	0.280%
63	12.880	1831	1835	1838	rBV	2169771	1878519	61.09%	5.208%
64	12.951	1843	1847	1852	rBV3	111557	188275	6.12%	0.522%
65	13.039	1859	1862	1864	rBV4	104296	132843	4.32%	0.368%
66	13.063	1864	1866	1870	rVB	271636	251998	8.19%	0.699%
67	13.133	1872	1878	1880	rBV	225306	227469	7.40%	0.631%
68	13.169	1880	1884	1888	rBV2	186667	189170	6.15%	0.524%
69	13.263	1897	1900	1902	rVB	128732	106069	3.45%	0.294%
70	13.292	1902	1905	1909	rBV	139029	117679	3.83%	0.326%
71	13.457	1931	1933	1937	rBV4	31827	35621	1.16%	0.099%
72	13.551	1946	1949	1951	rBV2	50446	54783	1.78%	0.152%
73	13.580	1951	1954	1958	rVB2	98938	107139	3.48%	0.297%
74	13.686	1967	1972	1975	rBV2	170705	212515	6.91%	0.589%
75	13.716	1975	1977	1979	rVV	121783	106006	3.45%	0.294%
76	13.739	1979	1981	1983	rVV	104995	101234	3.29%	0.281%

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 Integrator: RTE
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 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 >
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77	13.792	1987	1990	1993	rVB	136337	124923	4.06%	0.346%
78	13.880	1999	2005	2007	rBV4	69518	158962	5.17%	0.441%
79	13.939	2010	2015	2018	rVV2	1065429	1594571	51.85%	4.421%
80	13.969	2018	2020	2027	rVB	679730	577054	18.77%	1.600%
81	14.027	2027	2030	2031	rBV	49269	41657	1.35%	0.115%
82	14.045	2031	2033	2036	rVB	105748	77264	2.51%	0.214%
83	14.110	2039	2044	2047	rVV4	69738	110771	3.60%	0.307%
84	14.292	2073	2075	2077	rBV2	45305	45900	1.49%	0.127%
85	14.333	2077	2082	2085	rVV	164613	219966	7.15%	0.610%
86	14.363	2085	2087	2091	rVV	100123	102291	3.33%	0.284%
87	14.416	2093	2096	2100	rVV3	278544	312312	10.16%	0.866%
88	14.457	2100	2103	2105	rVV	121641	118519	3.85%	0.329%
89	14.480	2105	2107	2110	rVB	100125	83563	2.72%	0.232%
90	14.721	2145	2148	2151	rBV2	67418	79805	2.60%	0.221%
91	14.827	2163	2166	2169	rBV3	49745	62353	2.03%	0.173%
92	14.980	2188	2192	2195	rBV	441141	632764	20.58%	1.754%
93	15.057	2202	2205	2208	rVV	241140	251249	8.17%	0.697%
94	15.092	2208	2211	2215	rVB	79466	85191	2.77%	0.236%
95	15.280	2240	2243	2250	rVB	280035	348641	11.34%	0.967%
96	15.345	2250	2254	2259	rBV	395929	476854	15.51%	1.322%
97	15.410	2260	2265	2268	rBV	511995	655294	21.31%	1.817%
98	15.639	2301	2304	2309	rVB3	98340	141278	4.59%	0.392%
99	16.886	2511	2516	2526	rVB2	129231	261236	8.50%	0.724%
100	17.333	2587	2592	2604	rVB	88663	202835	6.60%	0.562%

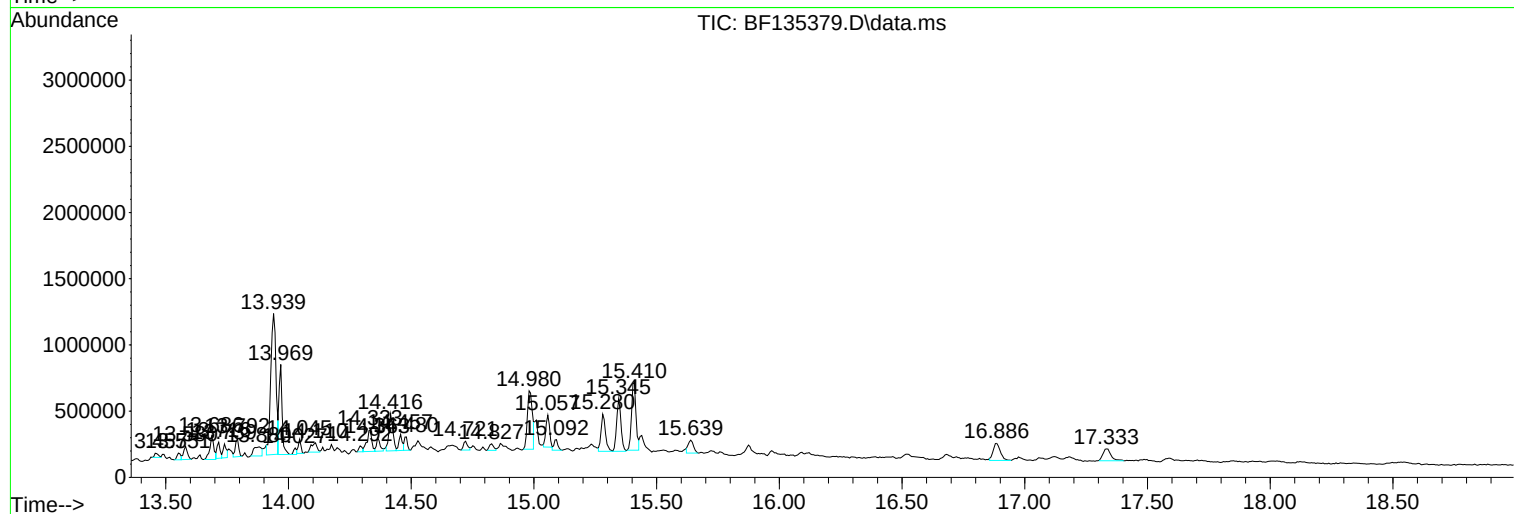
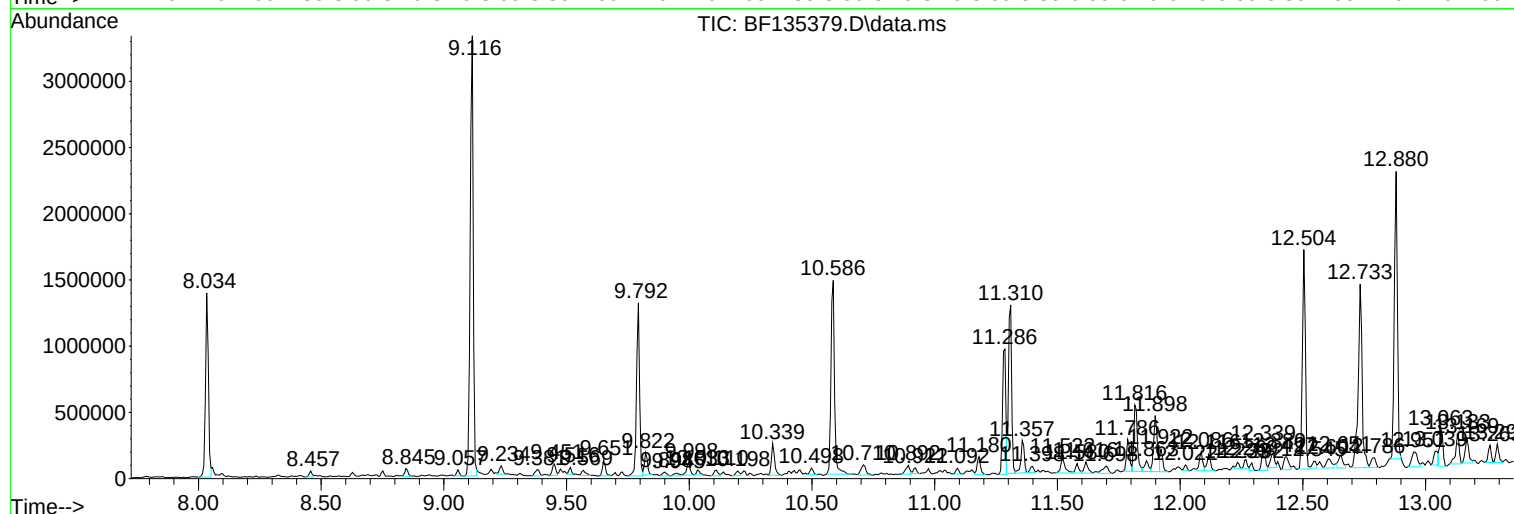
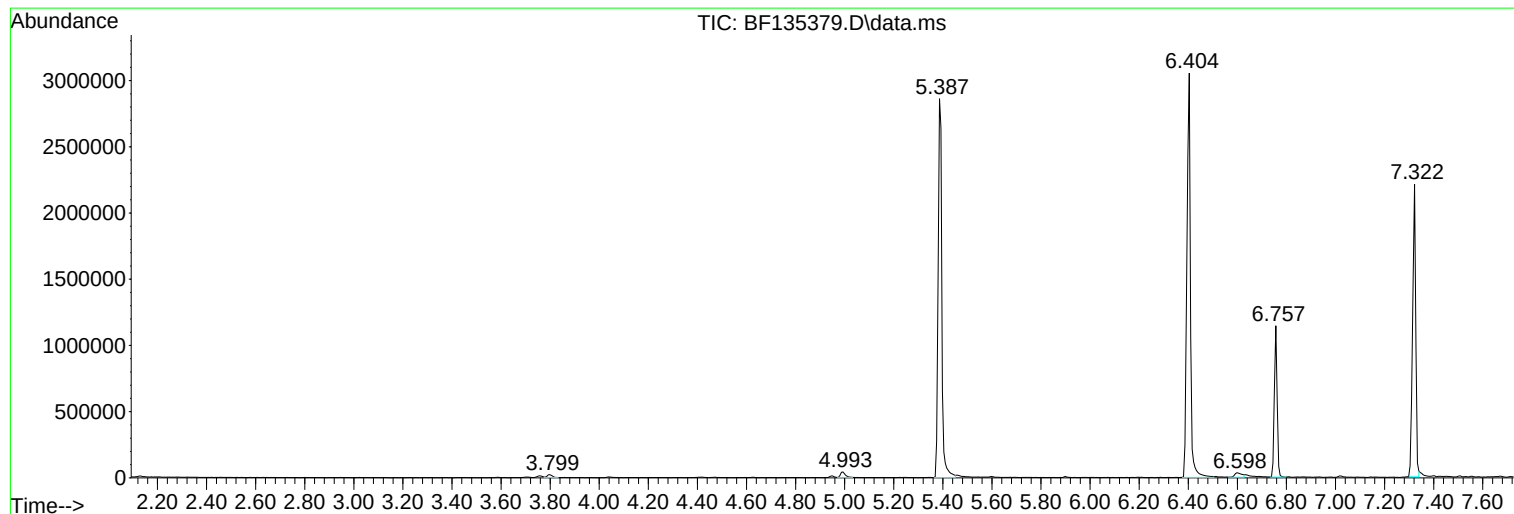
Sum of corrected areas: 36067357

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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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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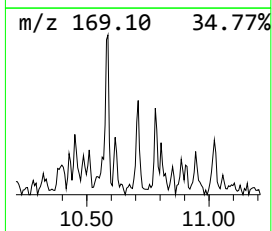
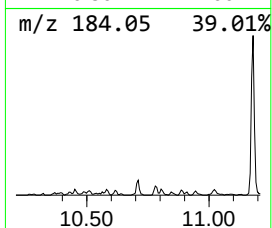
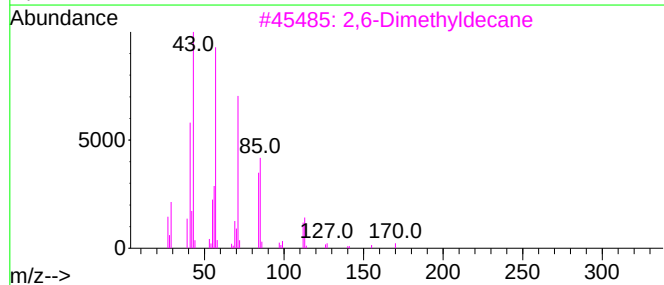
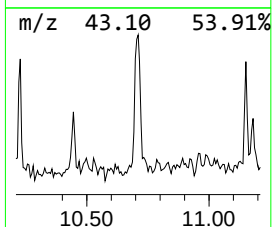
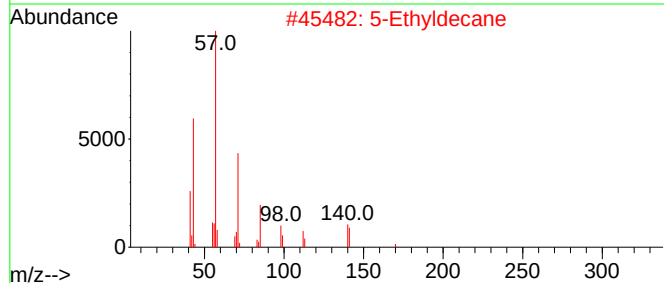
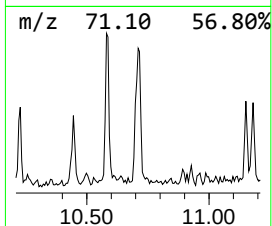
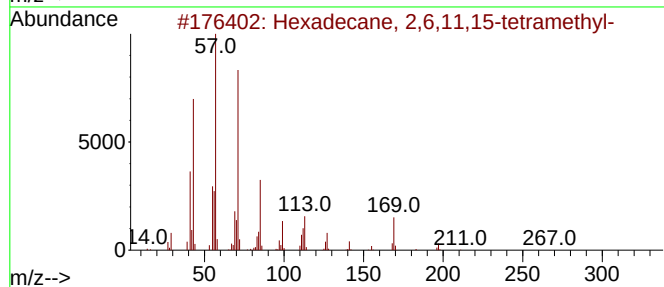
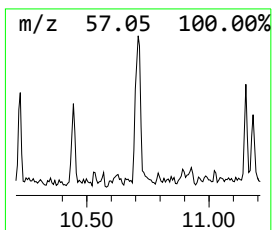
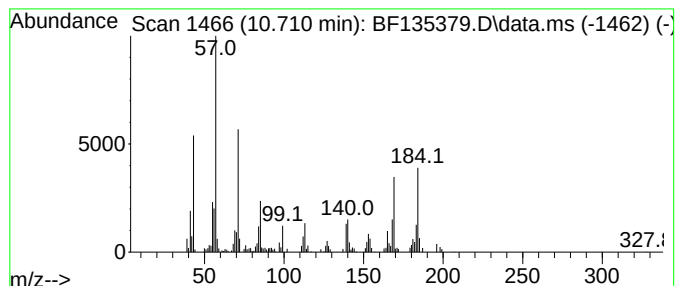
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown10.710 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.710	2.49 ng	111267	Phenanthrene-d10	11.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38
2			5-Ethyldecane	170	C12H26	017302-36-2	30
3			2,6-Dimethyldecane	170	C12H26	013150-81-7	30
4			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30
5			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	25



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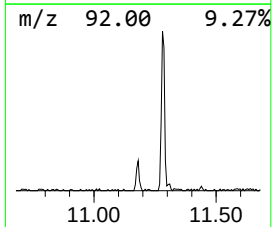
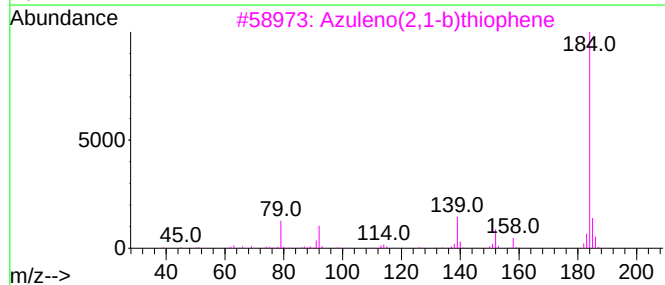
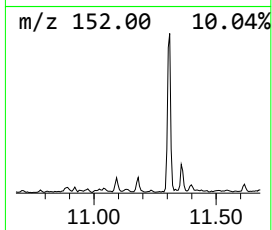
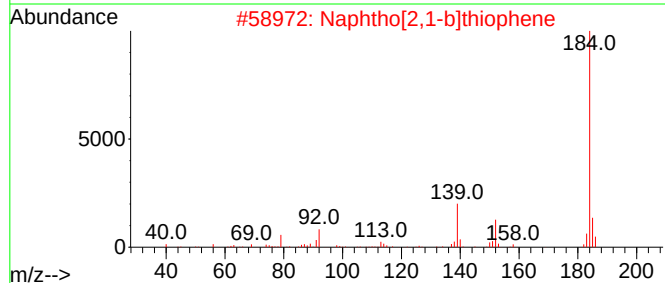
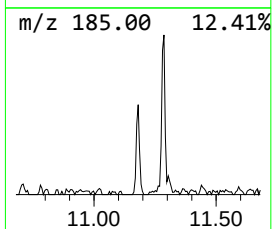
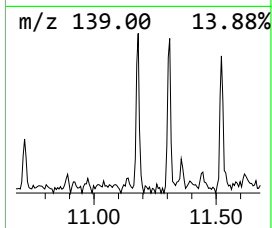
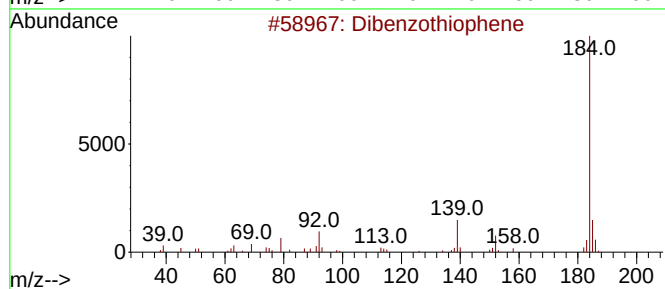
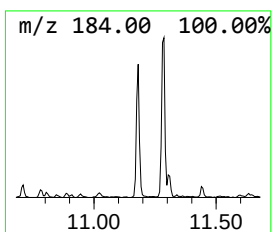
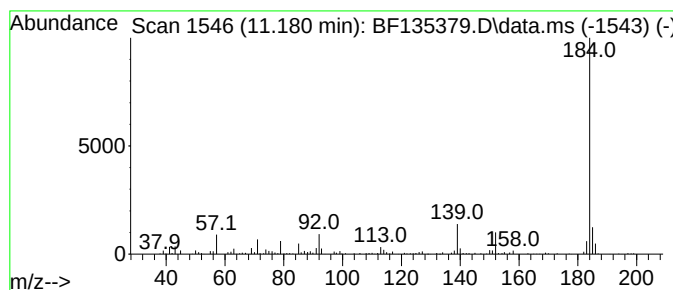
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	2.86 ng	127757	Phenanthrene-d10	11.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	96
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
5			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87



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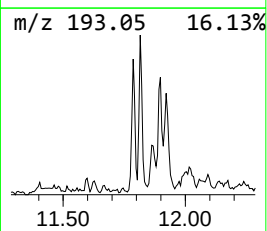
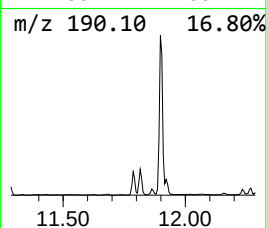
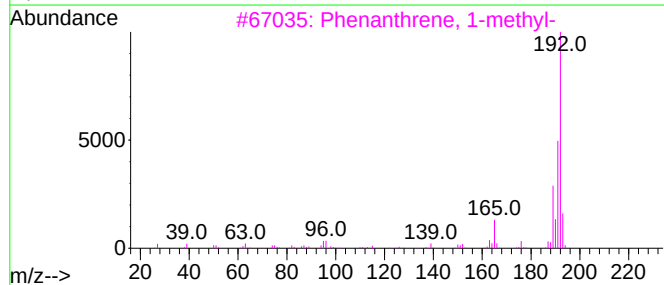
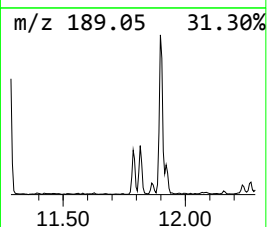
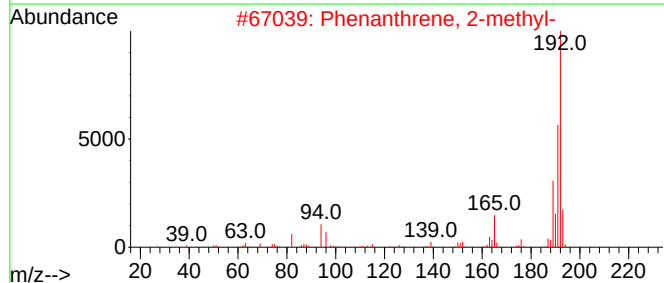
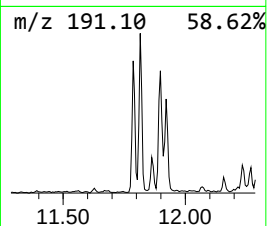
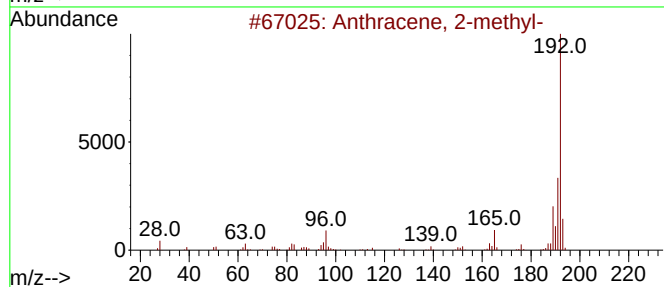
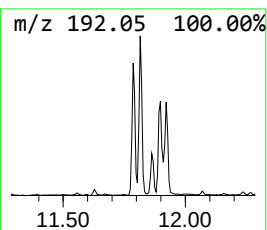
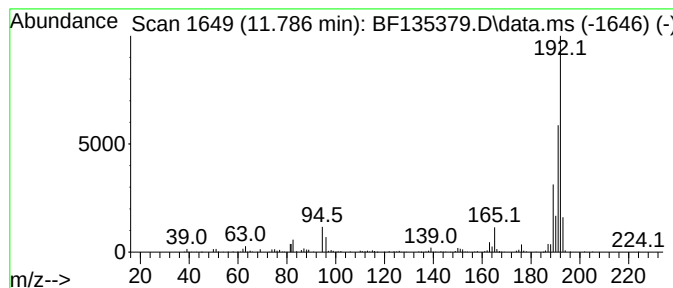
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.786	5.02 ng	224206	Phenanthrene-d10	11.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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Acq On : 21 Sep 2023 14:32
Operator : CG\JU
Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

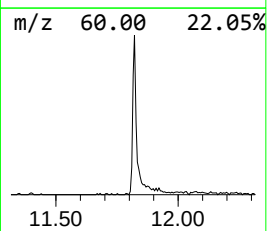
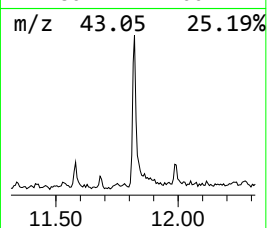
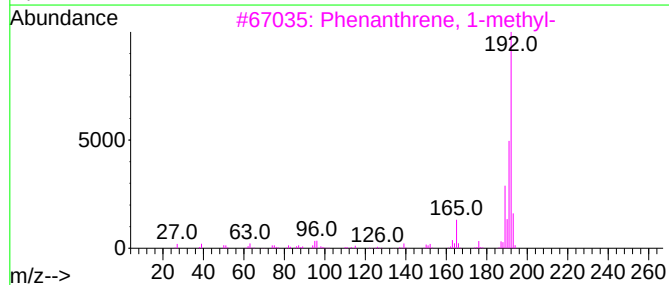
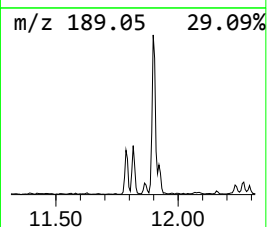
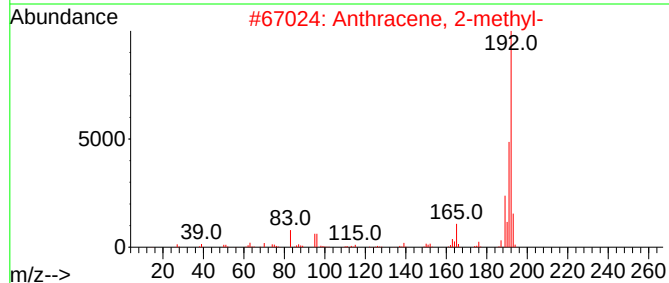
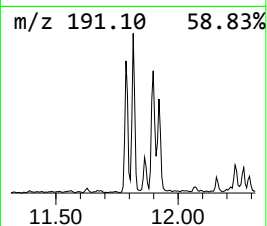
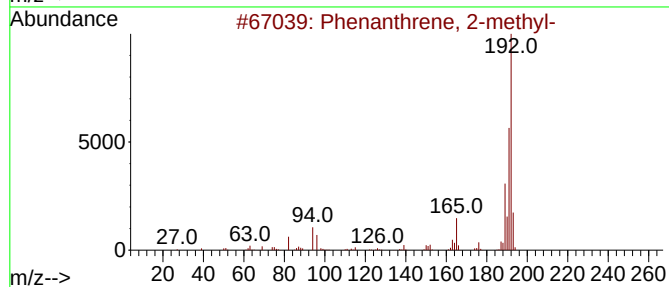
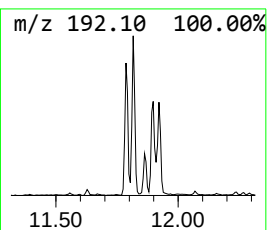
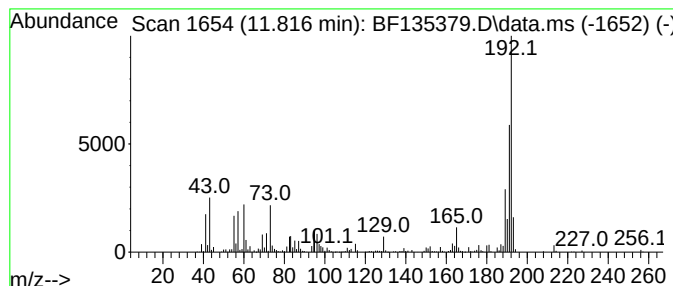
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.816	11.33 ng	505760	Phenanthrene-d10		11.286	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-		192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-		192	C15H12	000779-02-2	96
5	Anthracene, 1-methyl-		192	C15H12	000610-48-0	93



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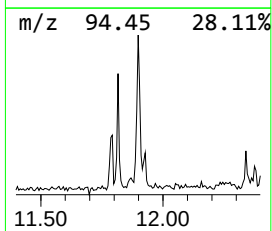
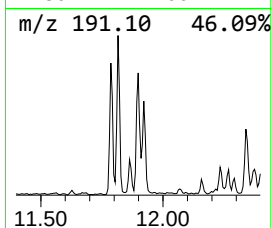
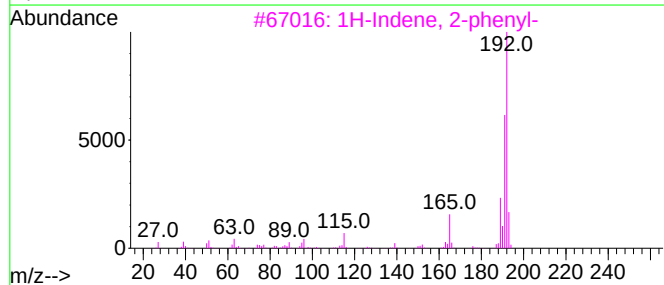
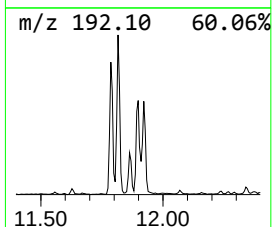
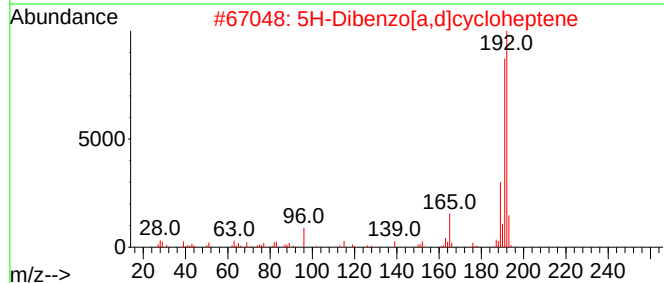
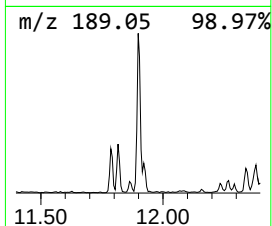
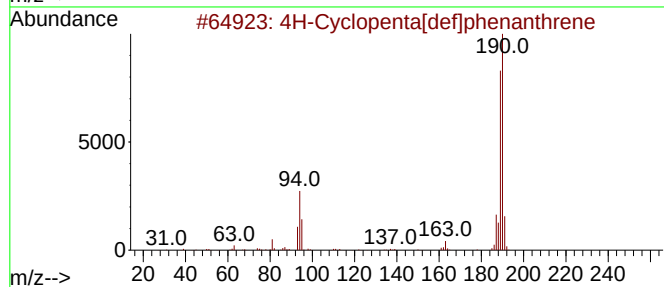
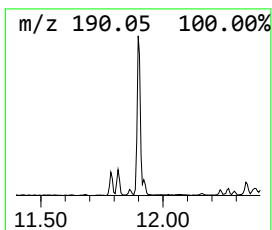
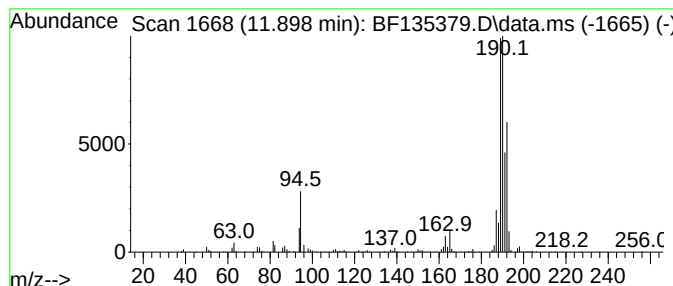
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	9.98 ng	445590	Phenanthrene-d10	11.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	35
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
Acq On : 21 Sep 2023 14:32
Operator : CG\JU
Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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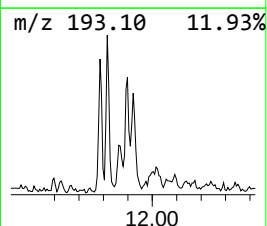
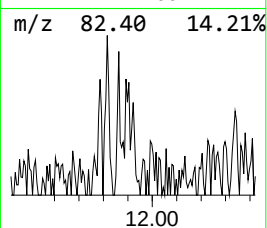
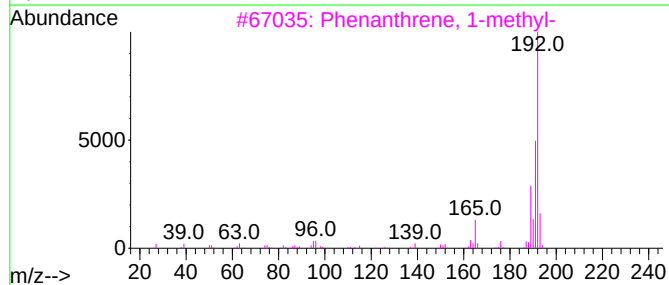
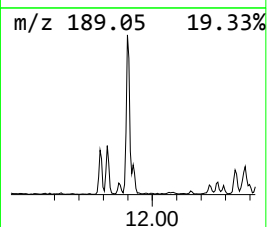
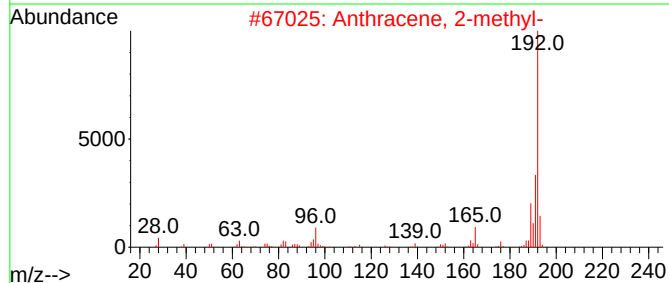
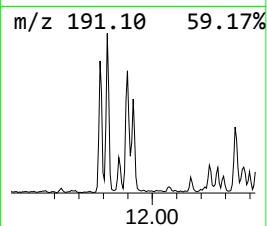
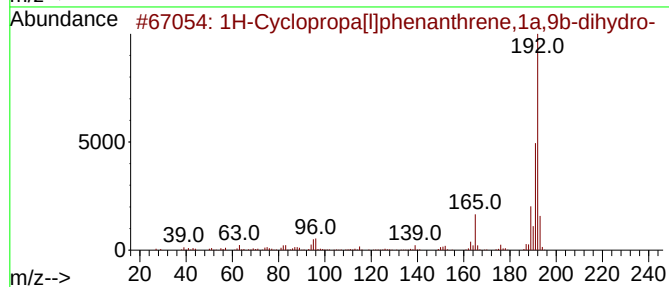
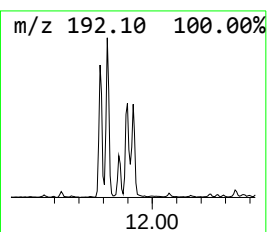
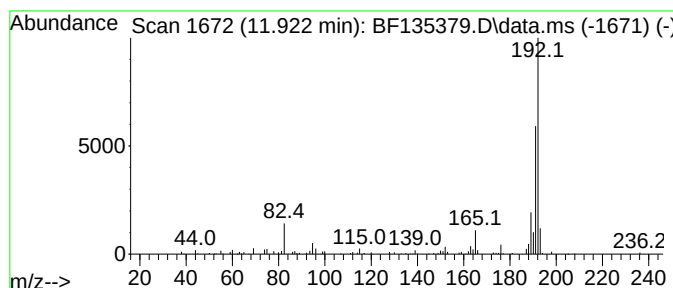
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	2.63 ng	117508	Phenanthrene-d10	11.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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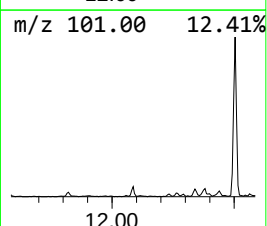
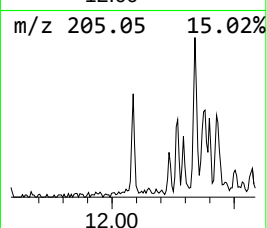
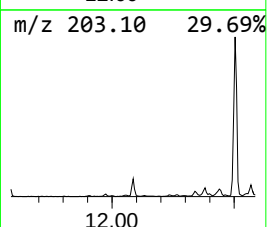
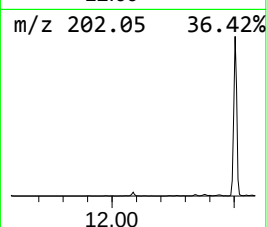
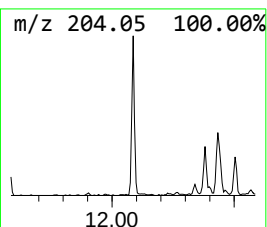
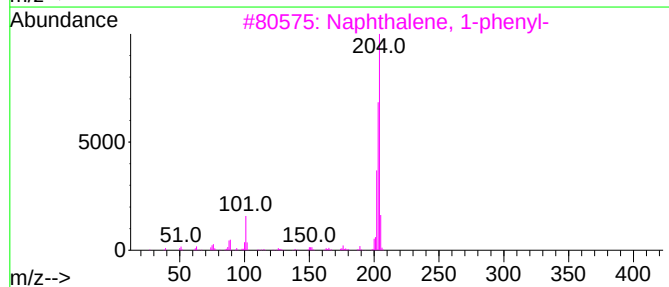
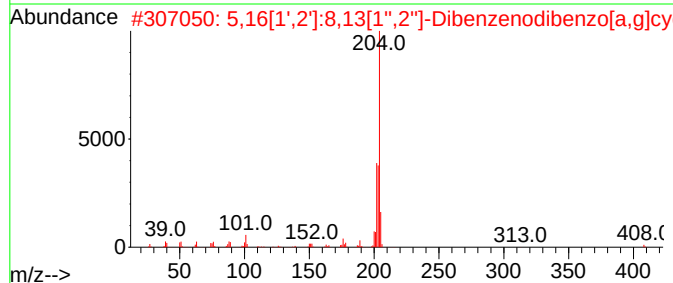
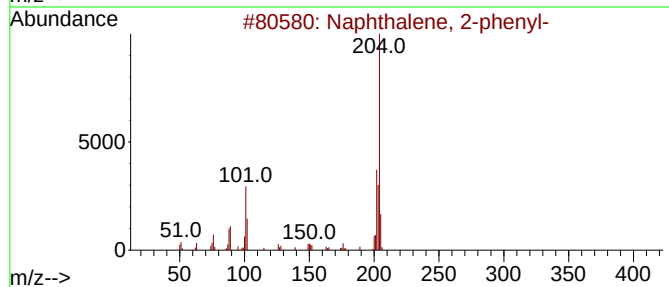
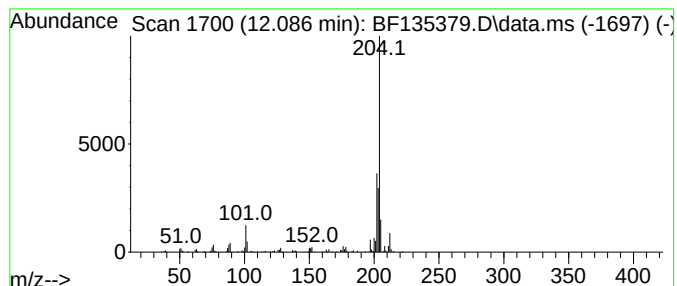
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.086	2.95 ng	131647	Phenanthrene-d10	11.286	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52



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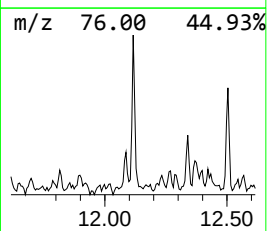
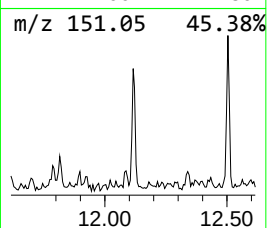
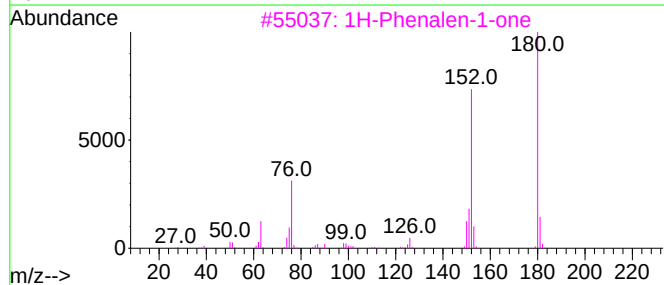
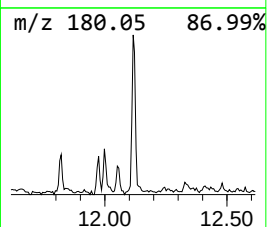
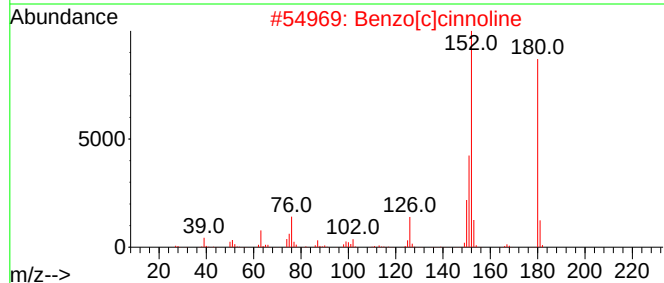
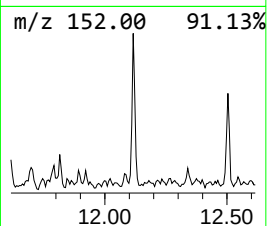
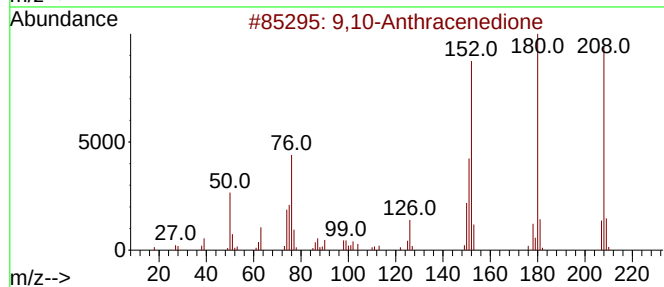
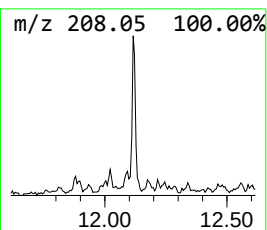
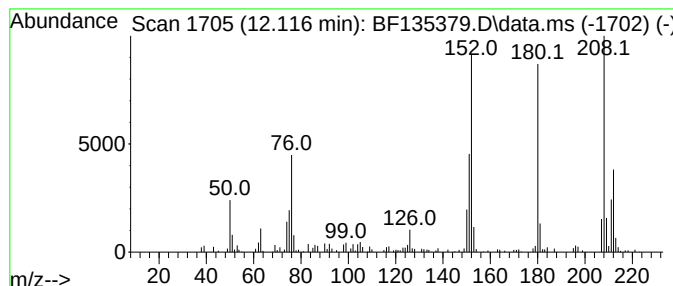
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.116	2.80 ng	125029	Phenanthrene-d10		11.286	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione		208	C14H8O2	000084-65-1	94
2	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	91
3	1H-Phenalen-1-one		180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione		208	C14H8O2	000635-12-1	46
5	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	38



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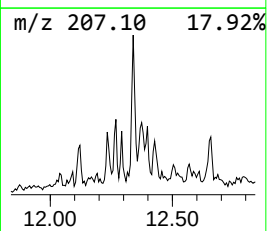
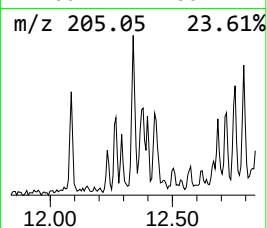
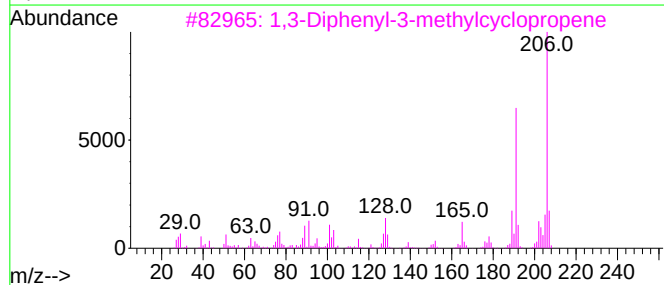
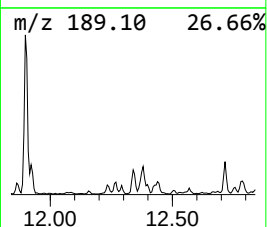
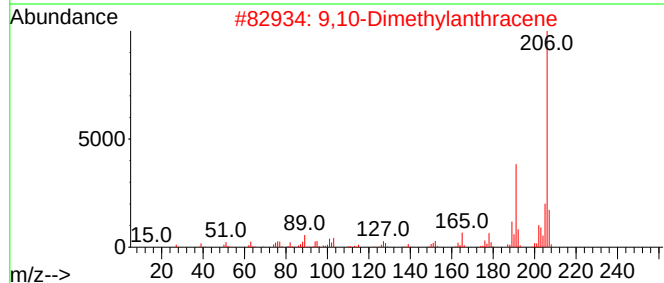
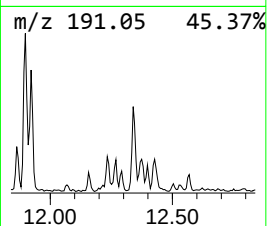
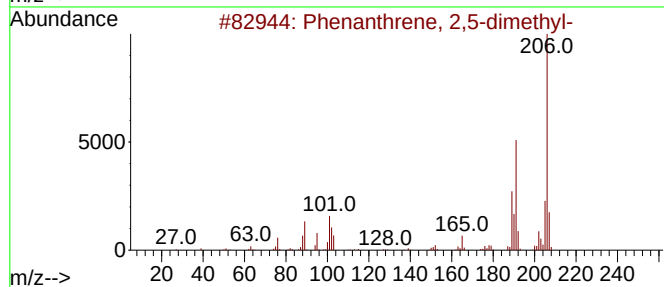
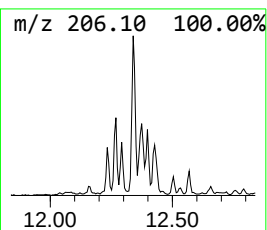
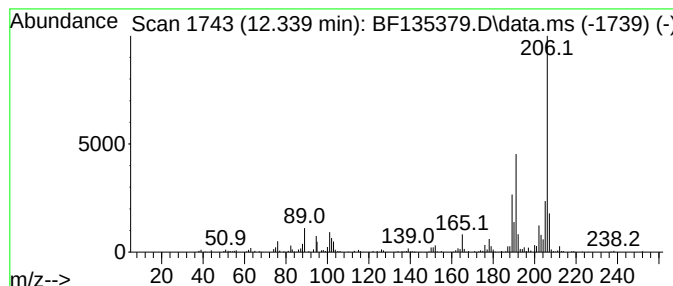
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	4.19 ng	186822	Phenanthrene-d10	11.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
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ClientSampleId :
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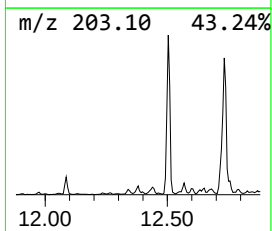
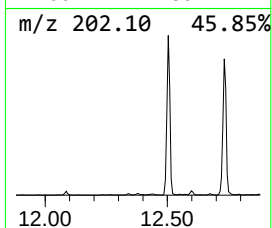
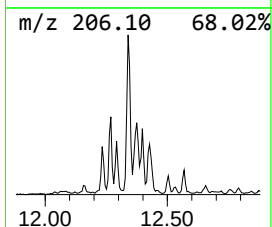
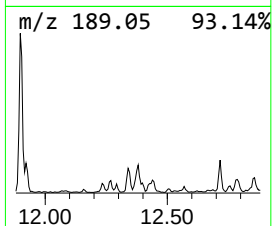
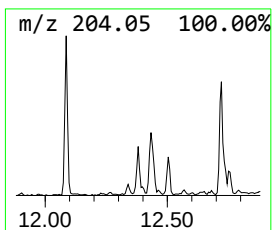
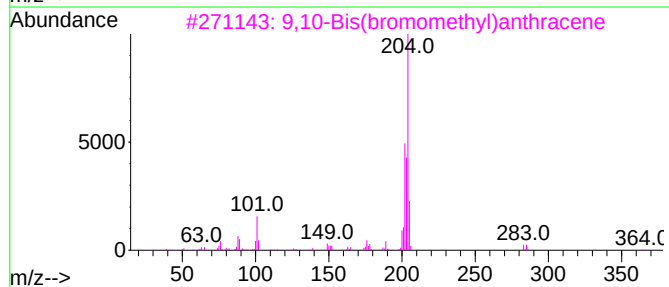
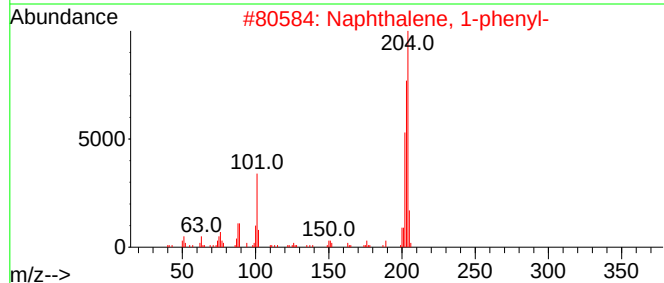
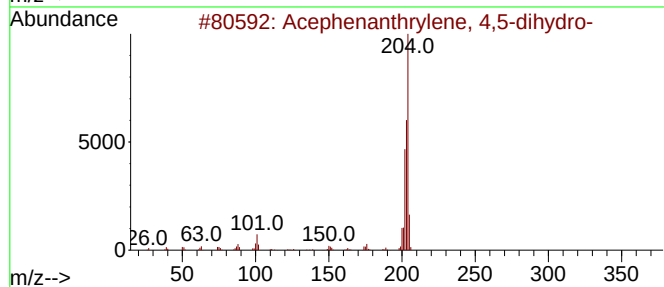
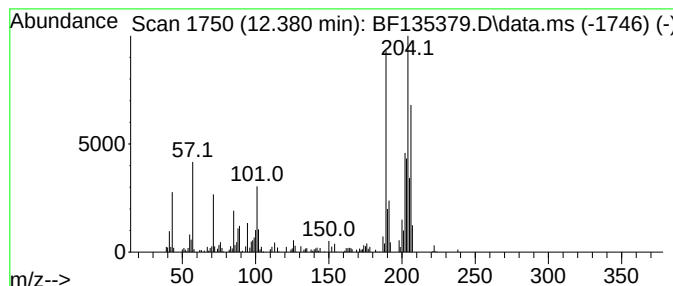
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.380 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	2.95 ng	131696	Phenanthrene-d10	11.286

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
5		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
Acq On : 21 Sep 2023 14:32
Operator : CG\JU
Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-1

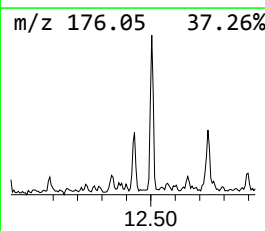
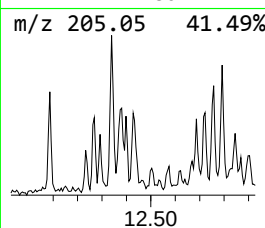
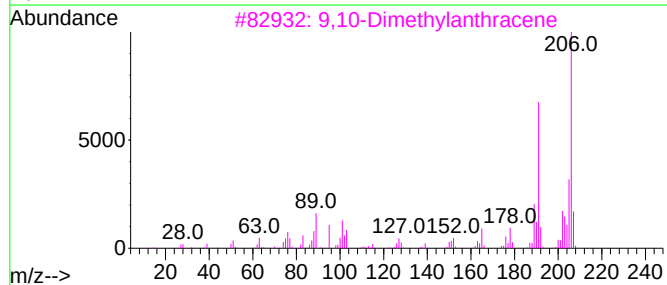
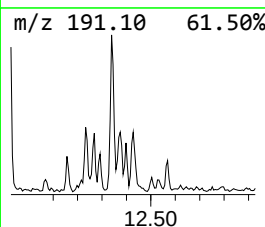
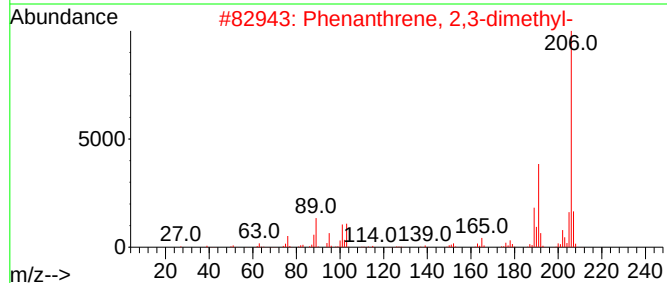
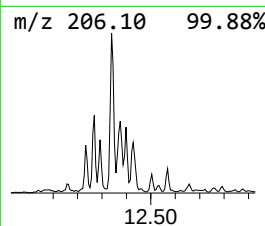
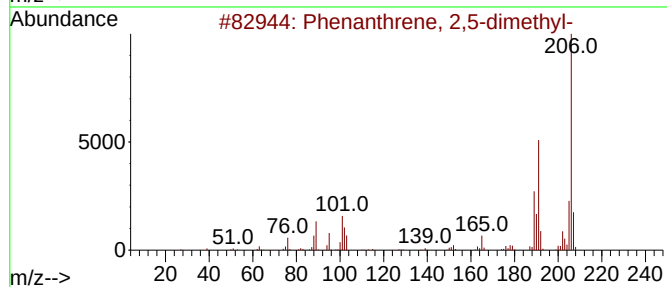
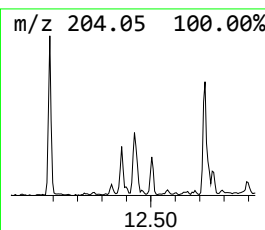
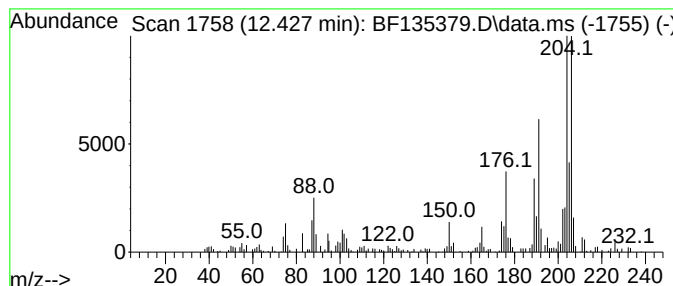
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	3.06 ng	136538	Phenanthrene-d10	11.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	52
4			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	51
5			Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	50



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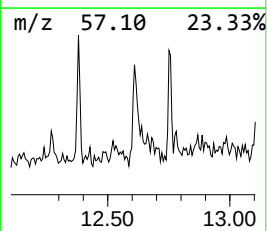
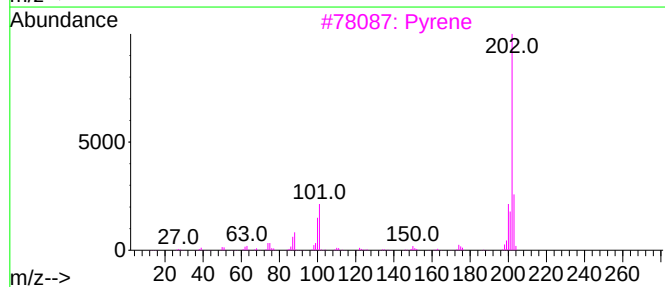
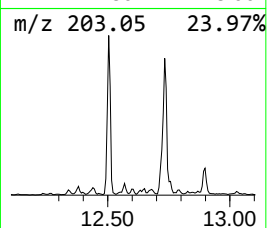
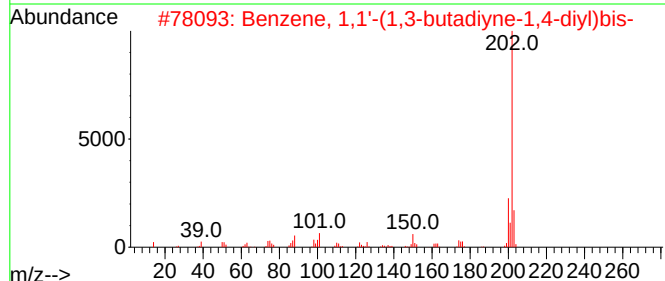
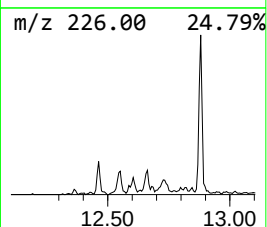
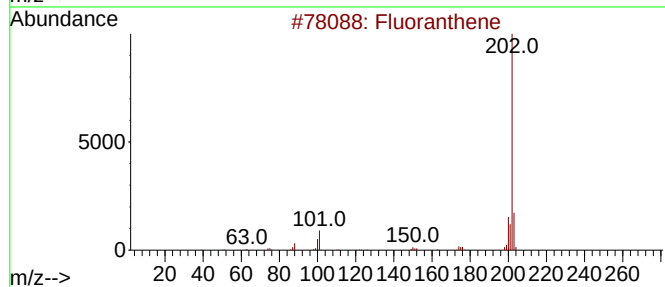
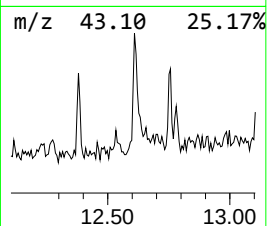
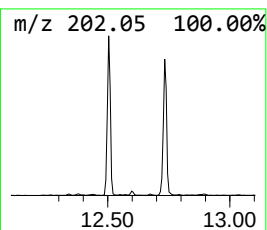
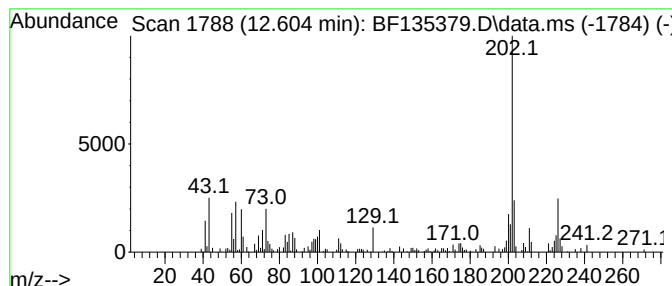
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.604	2.46 ng	109671	Phenanthrene-d10	11.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene	202	C16H10	000206-44-0	60
2			Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	55
3			Pyrene	202	C16H10	000129-00-0	49
4			4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	42
5			Tryptophan, N,N'-bis(trimethylsi...	362	C18H30N2O2Si2	007765-10-8	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
Acq On : 21 Sep 2023 14:32
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Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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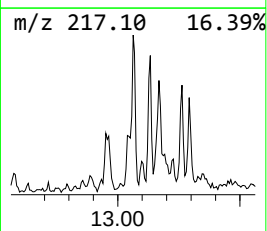
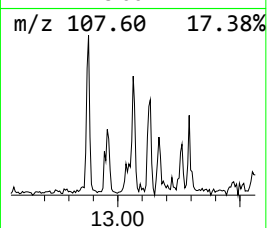
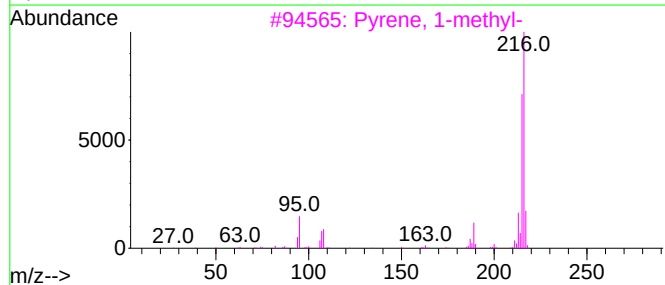
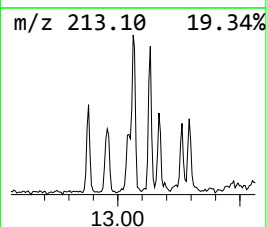
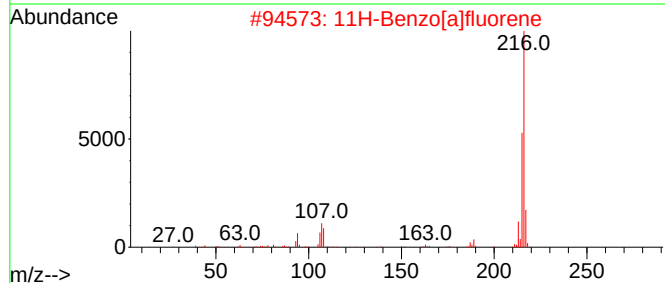
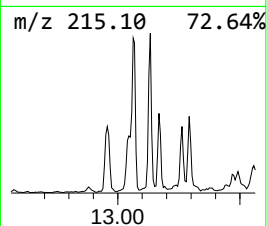
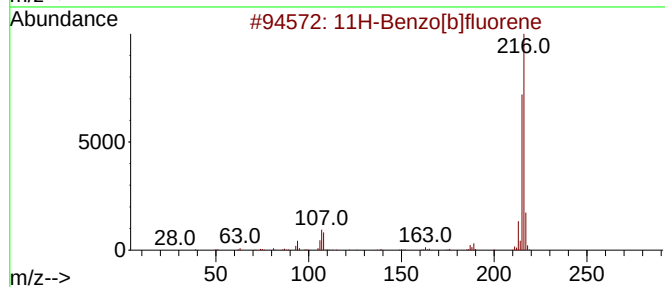
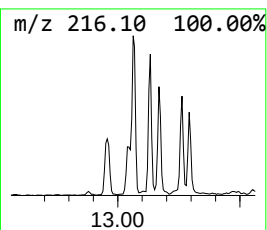
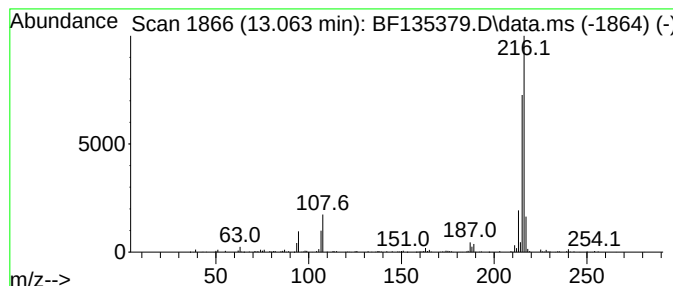
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	3.16 ng	251998	Chrysene-d12	13.939

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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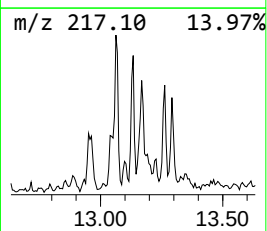
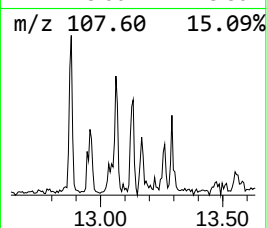
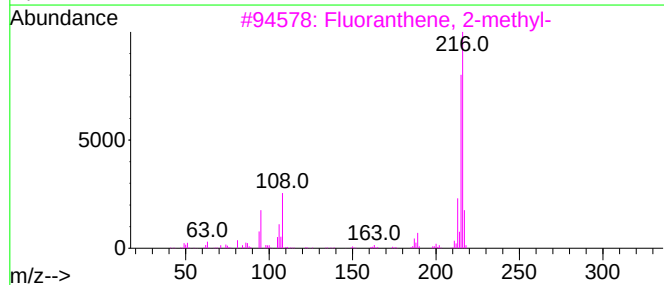
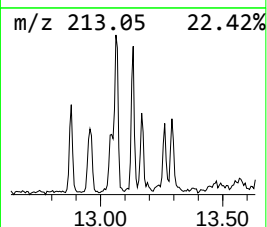
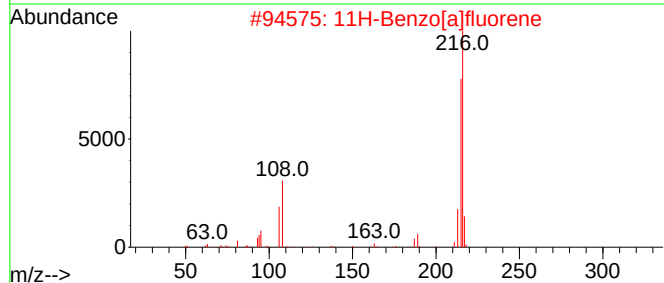
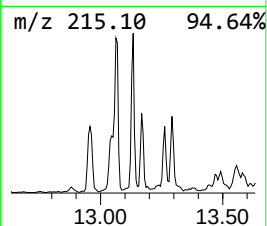
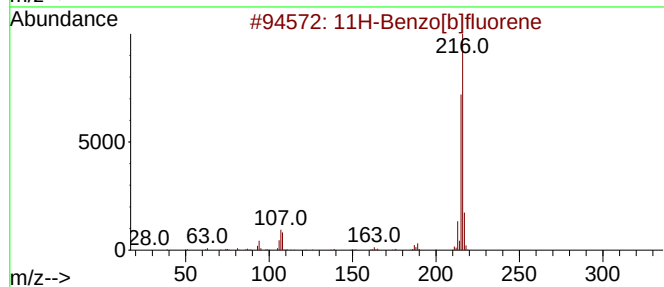
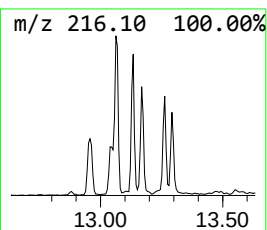
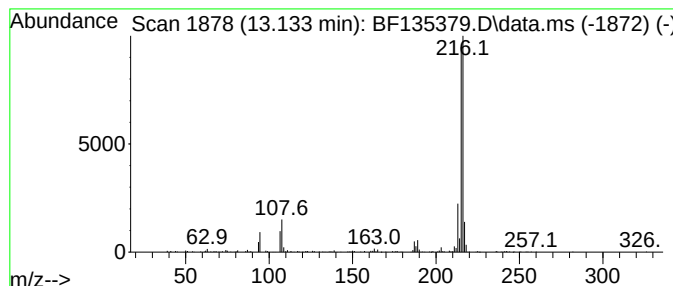
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	2.85 ng	227469	Chrysene-d12	13.939

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4			Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58
5			6,6'-Dimethoxy-2,2'-bipyridile	216	C12H12N2O2	039858-88-3	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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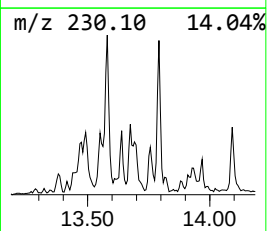
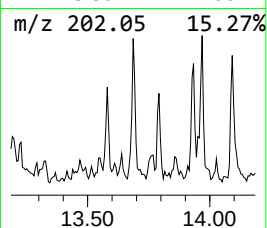
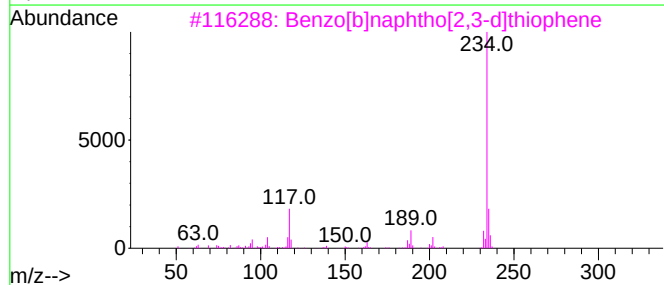
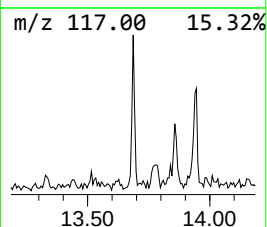
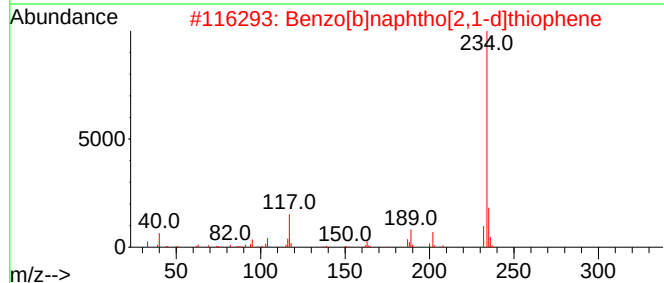
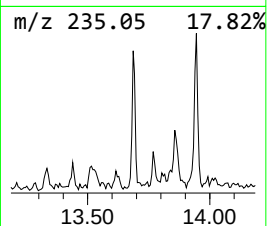
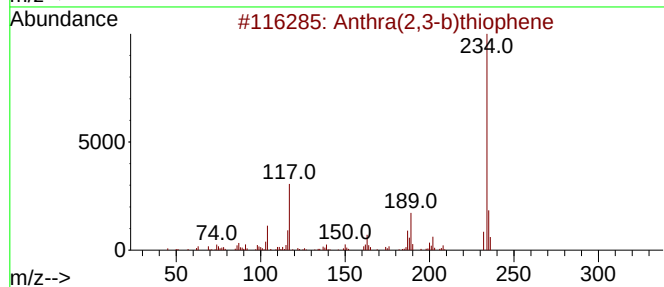
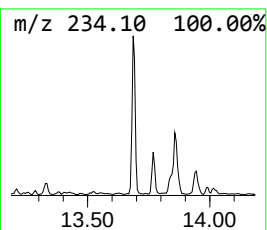
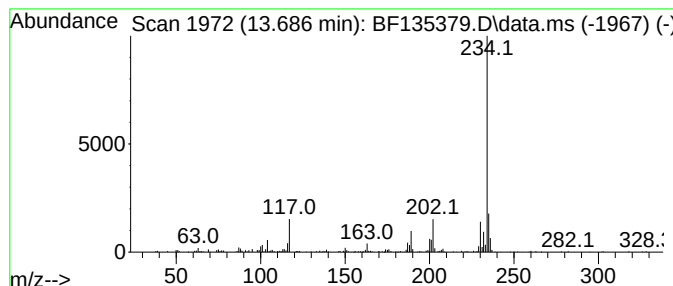
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthra(2,3-b)thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.686	2.67 ng	212515	Chrysene-d12	13.939	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	76
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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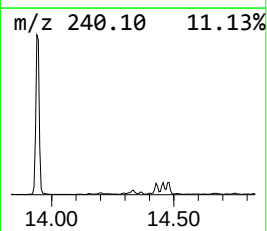
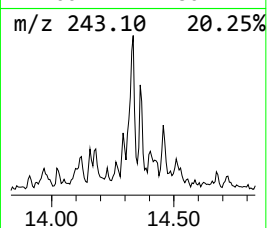
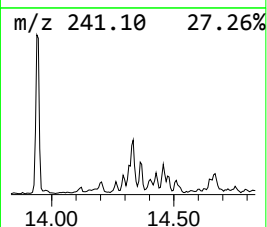
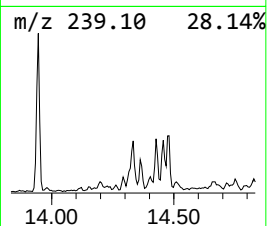
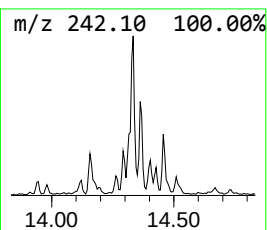
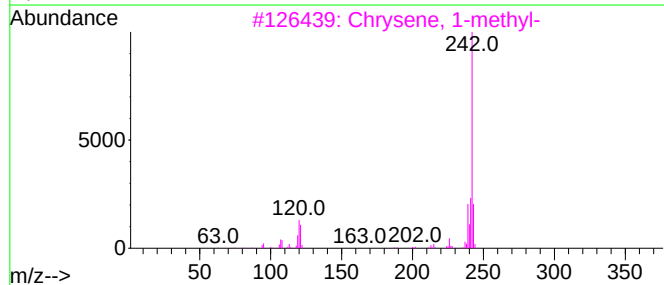
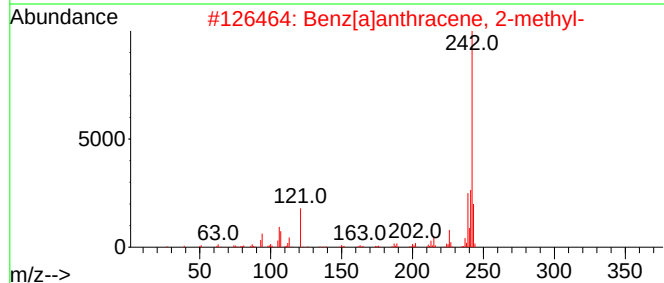
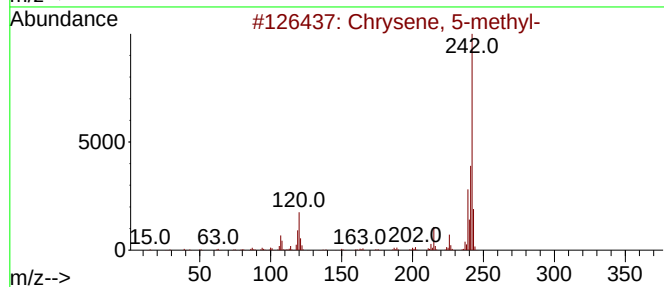
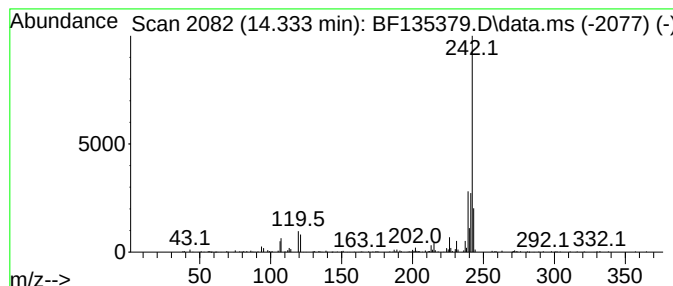
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Chrysene, 5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.333	2.76 ng	219966	Chrysene-d12	13.939

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
2		Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93
3		Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5		Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

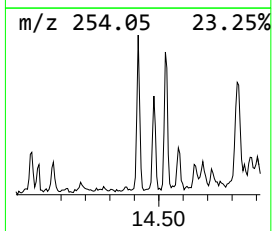
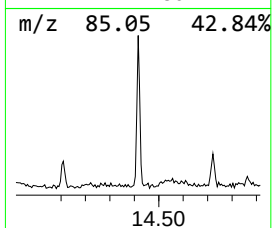
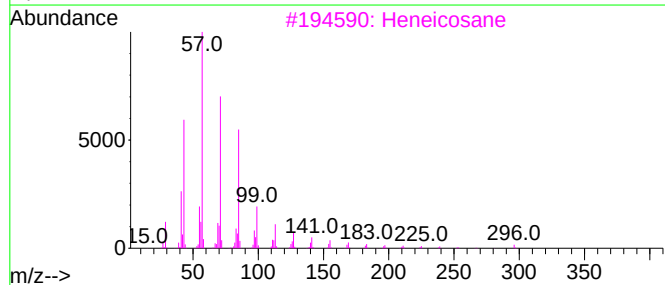
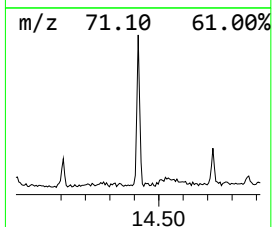
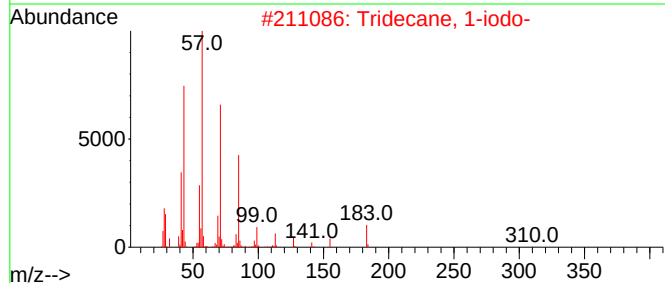
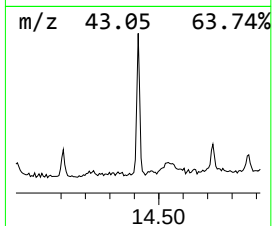
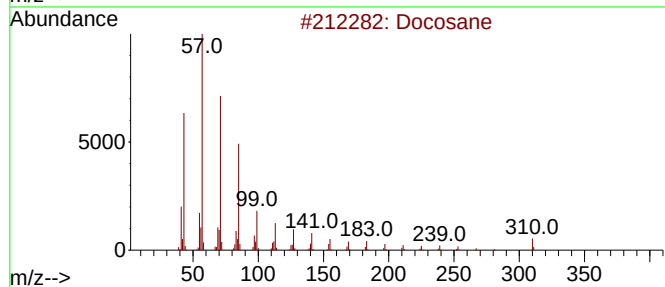
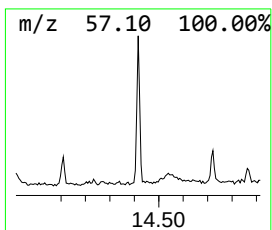
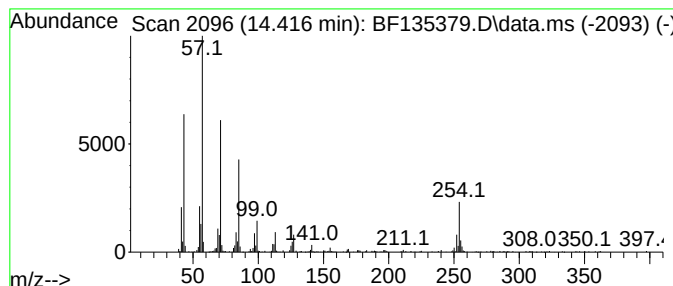
Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Docosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.416	3.92 ng	312312	Chrysene-d12	13.939	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	93
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	89
3	Heneicosane	296	C21H44	000629-94-7	70
4	Hexacosane	366	C26H54	000630-01-3	68
5	Heptadecane	240	C17H36	000629-78-7	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
Acq On : 21 Sep 2023 14:32
Operator : CG\JU
Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

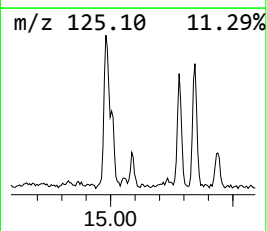
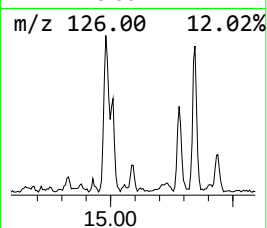
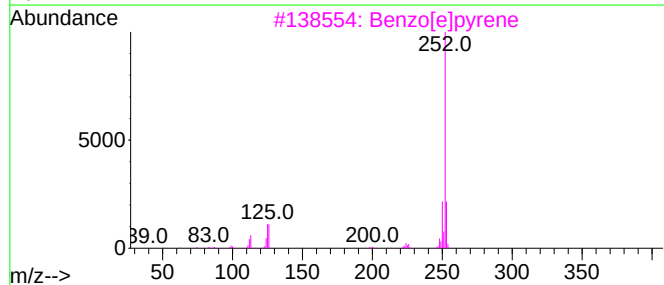
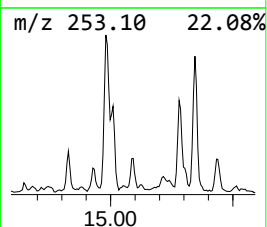
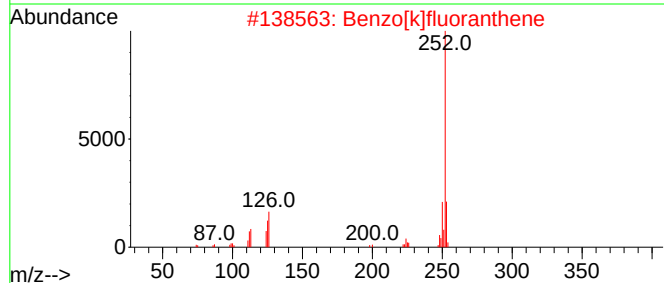
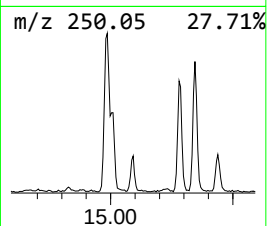
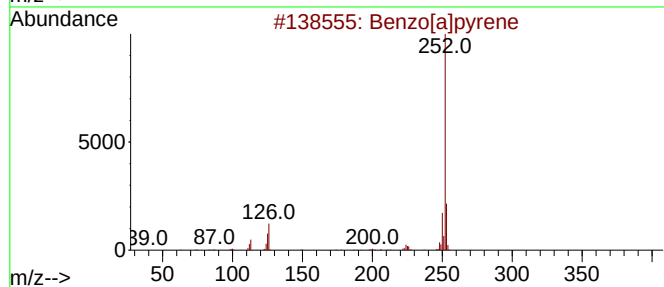
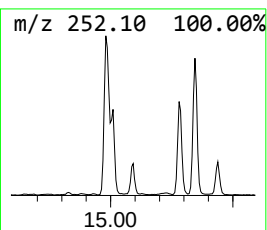
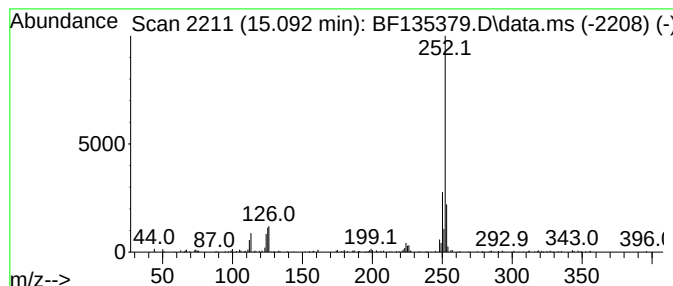
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	2.60 ng	85191	Perylene-d12	15.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[a]pyrene	252	C20H12	000050-32-8	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3			Benzo[e]pyrene	252	C20H12	000192-97-2	93
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
Acq On : 21 Sep 2023 14:32
Operator : CG\JU
Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

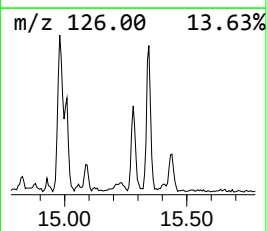
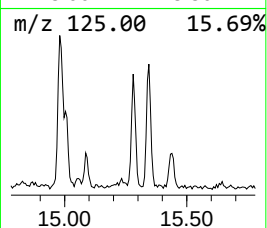
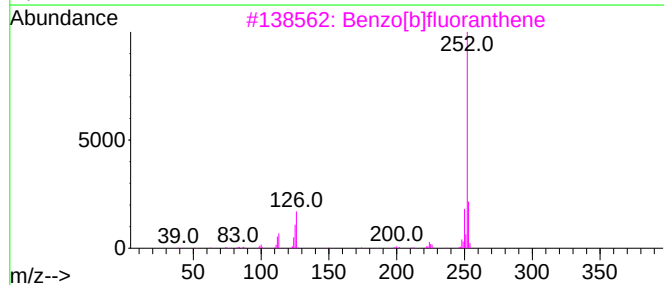
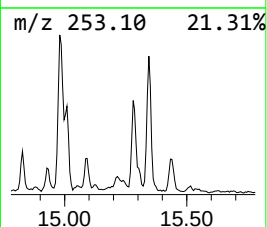
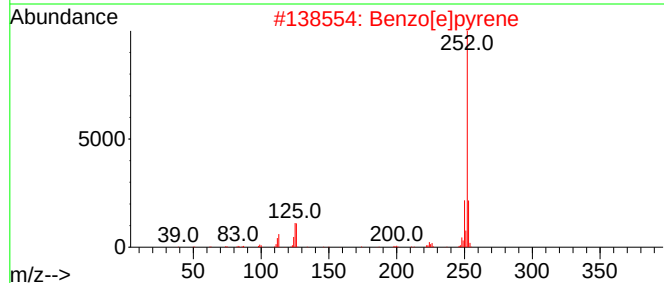
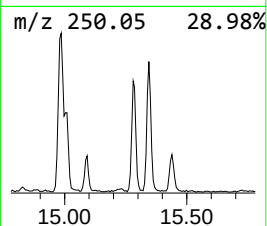
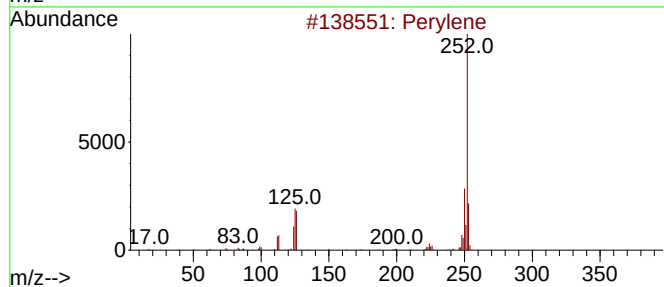
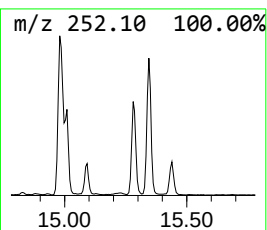
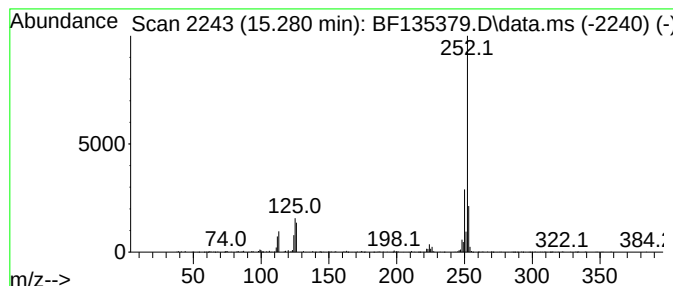
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	10.64 ng	348641	Perylene-d12	15.410

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	99
3		Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
Acq On : 21 Sep 2023 14:32
Operator : CG\JU
Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

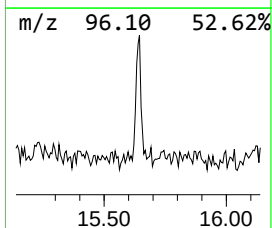
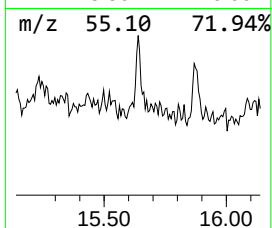
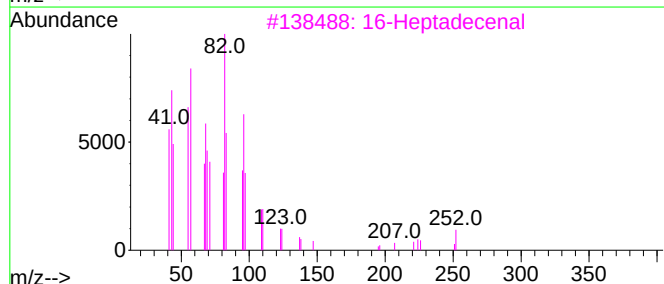
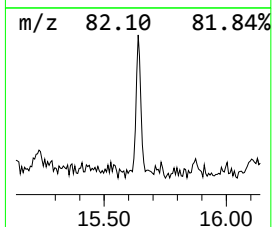
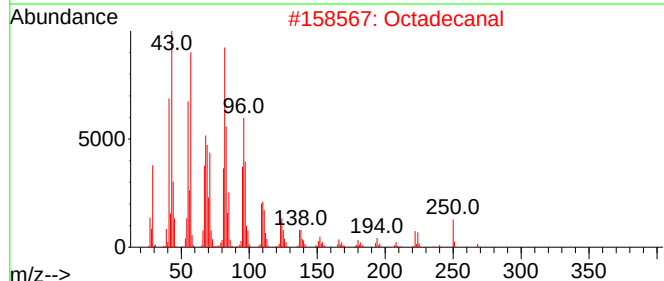
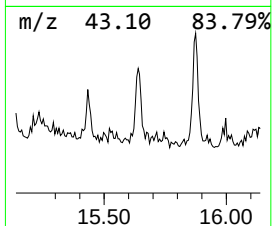
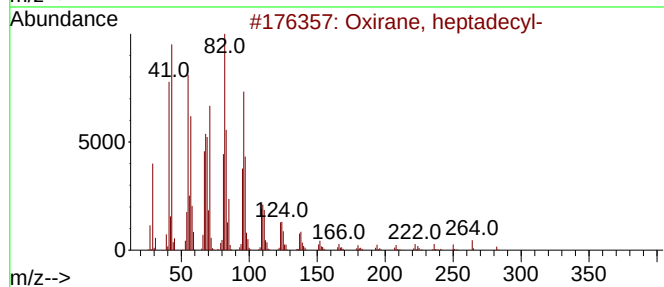
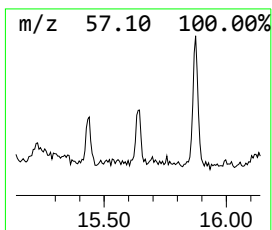
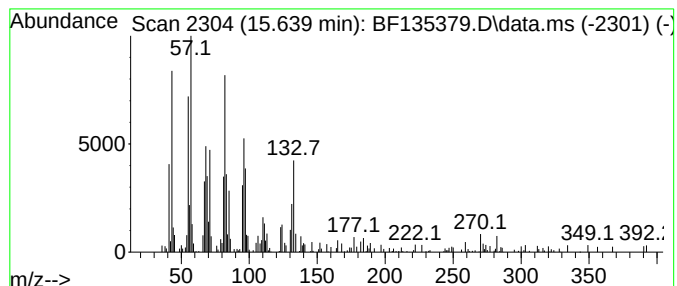
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Oxirane, heptadecyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.639	4.31 ng	141278	Perylene-d12	15.410

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	89
2		Octadecanal	268	C18H36O	000638-66-4	72
3		16-Heptadecenal	252	C17H32O	1010144-57-9	64
4		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	64
5		Heptadecanal	254	C17H34O	1000376-70-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
Acq On : 21 Sep 2023 14:32
Operator : CG\JU
Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown10.710	10.710	2.5	ng	111267	4	11.286	892793	20.0
Dibenzothiophene	11.181	2.9	ng	127757	4	11.286	892793	20.0
Anthracene, 2-m...	11.786	5.0	ng	224206	4	11.286	892793	20.0
Phenanthrene, 2...	11.816	11.3	ng	505760	4	11.286	892793	20.0
4H-Cyclopenta[d...	11.898	10.0	ng	445590	4	11.286	892793	20.0
1H-Cyclopropa[1...	11.922	2.6	ng	117508	4	11.286	892793	20.0
Naphthalene, 2-...	12.086	3.0	ng	131647	4	11.286	892793	20.0
9,10-Anthracene...	12.116	2.8	ng	125029	4	11.286	892793	20.0
Phenanthrene, 2...	12.339	4.2	ng	186822	4	11.286	892793	20.0
unknown12.380	12.380	3.0	ng	131696	4	11.286	892793	20.0
Phenanthrene, 2...	12.427	3.1	ng	136538	4	11.286	892793	20.0
Benzene, 1,1'-(...	12.604	2.5	ng	109671	4	11.286	892793	20.0
11H-Benzo[b]flu...	13.063	3.2	ng	251998	5	13.939	1594570	20.0
11H-Benzo[a]flu...	13.133	2.9	ng	227469	5	13.939	1594570	20.0
Anthra(2,3-b)th...	13.686	2.7	ng	212515	5	13.939	1594570	20.0
Chrysene, 5-met...	14.333	2.8	ng	219966	5	13.939	1594570	20.0
Docosane	14.416	3.9	ng	312312	5	13.939	1594570	20.0
Benzo[e]pyrene	15.092	2.6	ng	85191	6	15.410	655294	20.0
Perylene	15.280	10.6	ng	348641	6	15.410	655294	20.0
Oxirane, heptad...	15.639	4.3	ng	141278	6	15.410	655294	20.0