

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142544.D
 Acq On : 23 May 2025 19:27
 Operator : RC/JU
 Sample : Q2109-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-02-MHF

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-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142544.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	487	496	507	rBV	135271	195586	6.34%	0.521%
2	5.510	558	564	569	rBV	1224278	1592973	51.61%	4.247%
3	6.516	729	735	741	rBV	1217859	1703271	55.18%	4.541%
4	6.898	794	800	805	rBV	500950	631288	20.45%	1.683%
5	7.457	886	895	900	rBV	769143	993942	32.20%	2.650%
6	7.710	934	938	945	rVB	30317	40159	1.30%	0.107%
7	8.181	1010	1018	1026	rBV2	645495	1037243	33.60%	2.765%
8	8.892	1134	1139	1143	rVB	154780	186302	6.04%	0.497%
9	8.992	1151	1156	1160	rVB	244373	309118	10.01%	0.824%
10	9.251	1195	1200	1205	rBV	1498236	1903809	61.68%	5.075%
11	9.351	1210	1217	1223	rBV2	51402	92472	3.00%	0.247%
12	9.451	1230	1234	1240	rVB	46668	72395	2.35%	0.193%
13	9.516	1240	1245	1250	rBV	163719	259042	8.39%	0.691%
14	9.592	1253	1258	1261	rVV	226192	334275	10.83%	0.891%
15	9.616	1261	1262	1266	rVV	123967	129492	4.20%	0.345%
16	9.651	1266	1268	1274	rVV3	36762	51938	1.68%	0.138%
17	9.710	1274	1278	1287	rVV	100285	162123	5.25%	0.432%
18	9.792	1288	1292	1297	rVB	180053	231732	7.51%	0.618%
19	9.933	1308	1316	1319	rBV	618701	842220	27.28%	2.245%
20	9.969	1319	1322	1326	rVV	402151	481852	15.61%	1.285%
21	10.039	1330	1334	1338	rVV	41093	59528	1.93%	0.159%
22	10.086	1338	1342	1346	rVV2	22208	38116	1.23%	0.102%
23	10.139	1346	1351	1355	rVV	374191	483737	15.67%	1.290%
24	10.175	1355	1357	1365	rVB	71950	84764	2.75%	0.226%
25	10.251	1365	1370	1372	rBV2	65606	88989	2.88%	0.237%
26	10.281	1372	1375	1380	rVB	50491	62997	2.04%	0.168%
27	10.339	1380	1385	1391	rBV2	49225	115716	3.75%	0.308%
28	10.481	1404	1409	1415	rVB	636579	840292	27.22%	2.240%
29	10.551	1415	1421	1422	rBV3	70043	111262	3.60%	0.297%
30	10.645	1432	1437	1443	rVB2	252218	359723	11.65%	0.959%
31	10.722	1444	1450	1455	rBV	848814	1110284	35.97%	2.960%
32	10.763	1455	1457	1462	rVB2	25333	36414	1.18%	0.097%
33	10.845	1466	1471	1477	rVB	62378	95323	3.09%	0.254%
34	11.028	1496	1502	1505	rBV	124210	198458	6.43%	0.529%
35	11.057	1505	1507	1511	rVB2	51875	57070	1.85%	0.152%
36	11.116	1513	1517	1520	rVB	52433	65328	2.12%	0.174%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M

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37	11.157	1520	1524	1526	rBV2	34045	54319	1.76%	0.145%
38	11.275	1540	1544	1548	rBV2	44985	76524	2.48%	0.204%
39	11.322	1548	1552	1562	rVB	159669	226190	7.33%	0.603%
40	11.451	1564	1574	1578	rBV2	1949829	3086752	100.00%	8.229%

41	11.498	1578	1582	1586	rVV	474496	591669	19.17%	1.577%
42	11.533	1586	1588	1593	rVB2	42094	45849	1.49%	0.122%
43	11.651	1604	1608	1615	rBV	172202	236111	7.65%	0.629%
44	11.722	1616	1620	1622	rVV2	40360	55777	1.81%	0.149%
45	11.751	1622	1625	1631	rVB3	41715	60630	1.96%	0.162%

46	11.839	1636	1640	1644	rVB	31696	41101	1.33%	0.110%
47	11.927	1650	1655	1656	rBV	240463	294207	9.53%	0.784%
48	11.951	1656	1659	1664	rVV2	426977	599312	19.42%	1.598%
49	11.998	1664	1667	1670	rVV	109049	155850	5.05%	0.415%
50	12.039	1670	1674	1682	rVB2	539294	873813	28.31%	2.329%

51	12.222	1701	1705	1715	rVB	120415	196251	6.36%	0.523%
52	12.404	1733	1736	1738	rBV	28686	34519	1.12%	0.092%
53	12.474	1744	1748	1751	rBV	108752	152155	4.93%	0.406%
54	12.516	1751	1755	1760	rVV2	90954	154452	5.00%	0.412%
55	12.574	1761	1765	1771	rVB4	42862	74724	2.42%	0.199%

56	12.645	1771	1777	1781	rBV	1692635	2236069	72.44%	5.961%
57	12.698	1781	1786	1789	rBV2	32657	66968	2.17%	0.179%
58	12.733	1789	1792	1796	rVB	89154	97378	3.15%	0.260%
59	12.792	1799	1802	1808	rVB3	55125	77080	2.50%	0.205%
60	12.869	1808	1815	1821	rBV	1489581	2407729	78.00%	6.419%

61	12.916	1821	1823	1828	rVB2	68041	90894	2.94%	0.242%
62	13.010	1831	1839	1846	rVB	1101192	1515517	49.10%	4.040%
63	13.086	1847	1852	1855	rBV2	128202	225058	7.29%	0.600%
64	13.192	1863	1870	1875	rVB	320058	551844	17.88%	1.471%
65	13.263	1878	1882	1885	rVV	336051	415440	13.46%	1.108%

66	13.298	1885	1888	1896	rVB3	168447	264189	8.56%	0.704%
67	13.392	1901	1904	1907	rVV	87821	117055	3.79%	0.312%
68	13.421	1907	1909	1918	rVB2	98387	139021	4.50%	0.371%
69	13.680	1950	1953	1956	rBV2	51605	79975	2.59%	0.213%
70	13.816	1973	1976	1979	rBV	94288	138378	4.48%	0.369%

71	14.063	2012	2018	2021	rBV2	1084975	1822788	59.05%	4.859%
72	14.092	2021	2023	2029	rVB	632703	810001	26.24%	2.159%
73	14.174	2034	2037	2040	rVB	125499	146386	4.74%	0.390%
74	14.451	2081	2084	2088	rVB	121535	138285	4.48%	0.369%
75	15.127	2193	2199	2207	rBV	596362	1446531	46.86%	3.856%

76	15.233	2214	2217	2222	rVB	131869	175497	5.69%	0.468%
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ClientSampleId :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.433	2247	2251	2257	rVB	316481	481290	15.59%	1.283%
78	15.498	2257	2262	2268	rVB	494717	751822	24.36%	2.004%
79	15.563	2268	2273	2277	rBV	350613	597494	19.36%	1.593%
80	17.068	2523	2529	2537	rVB2	160932	353060	11.44%	0.941%
81	17.521	2601	2606	2622	rVB	122745	296150	9.59%	0.789%

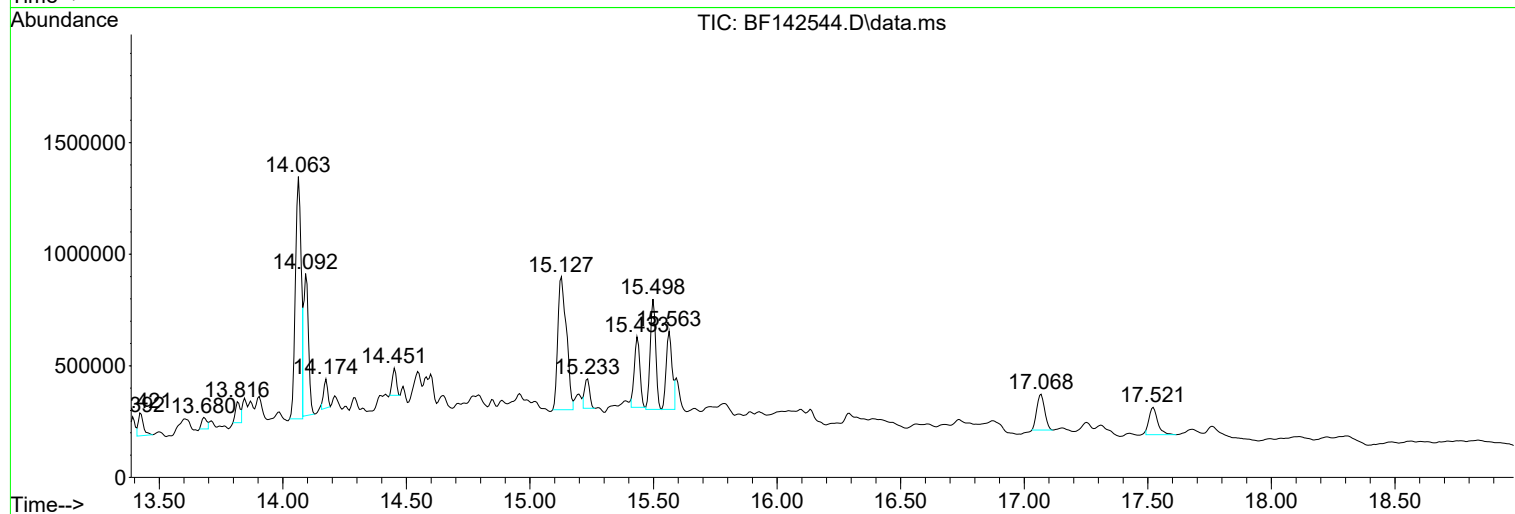
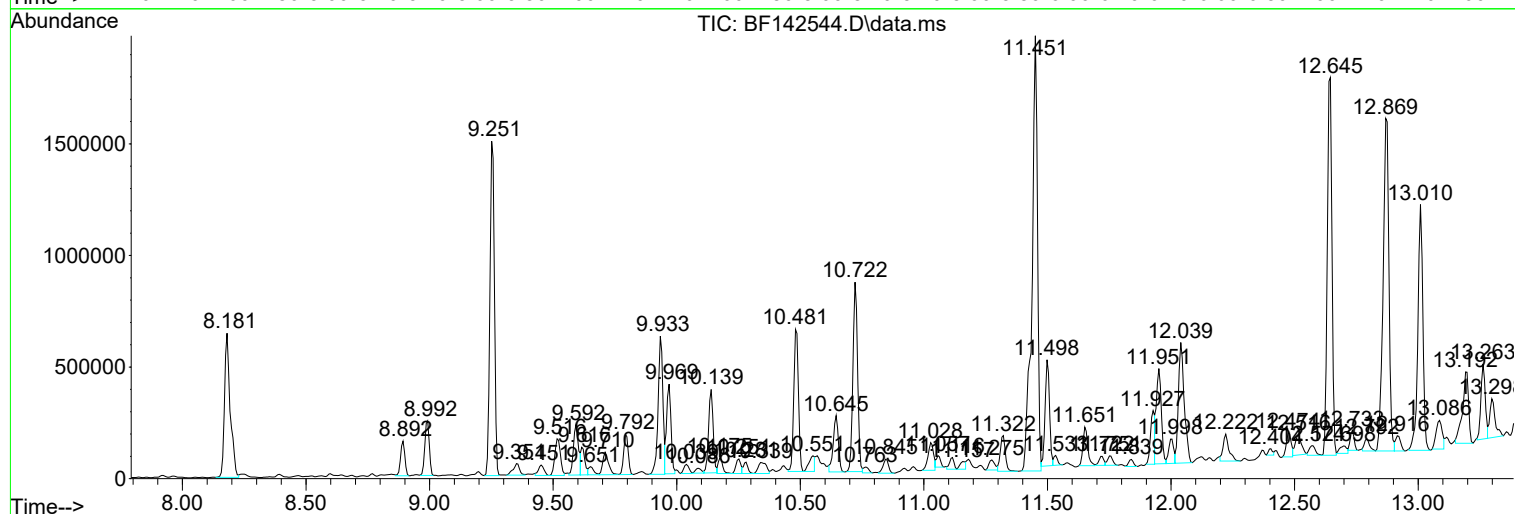
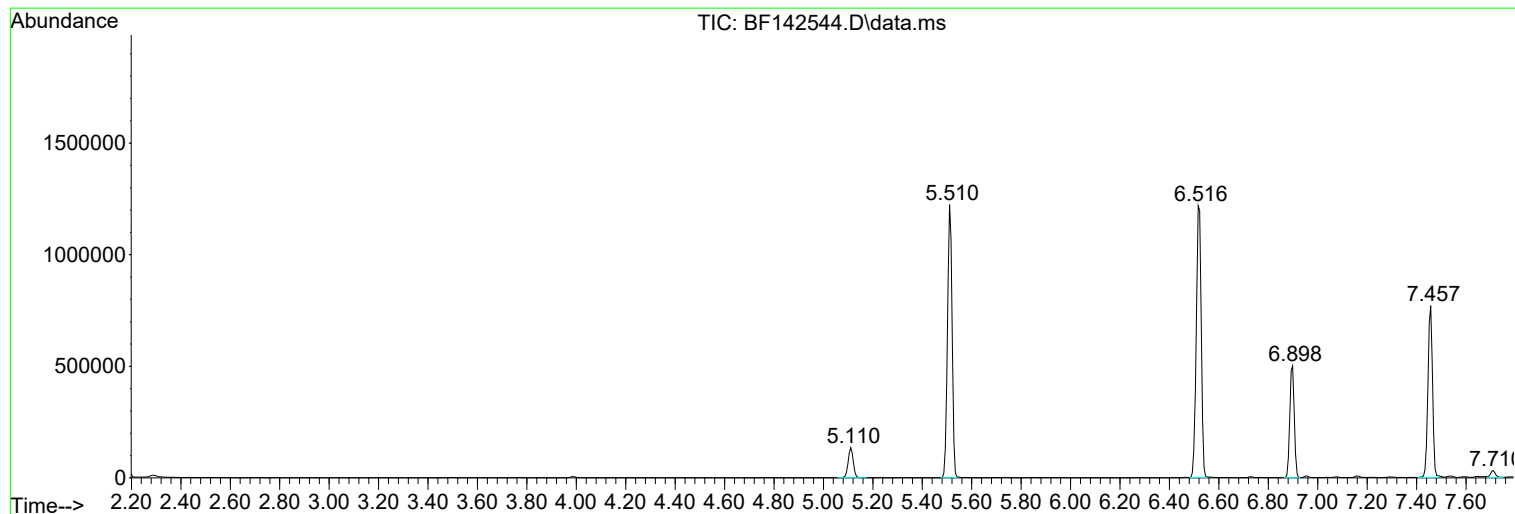
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Instrument :
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TP-02-MHF

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF052325\
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Sample : Q2109-01
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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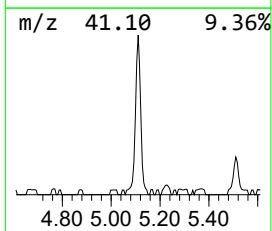
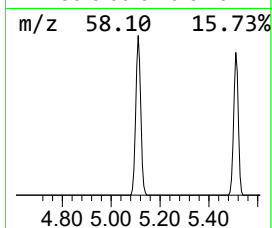
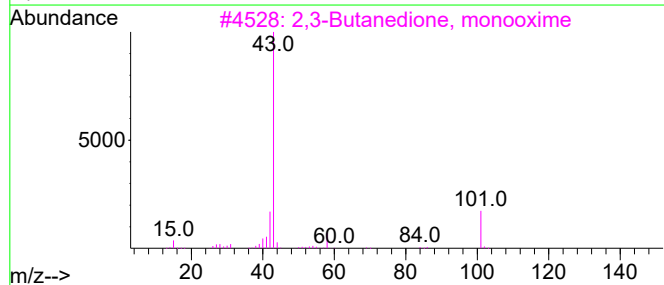
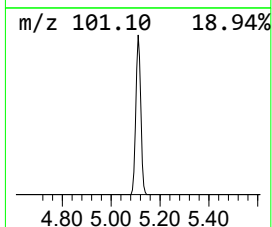
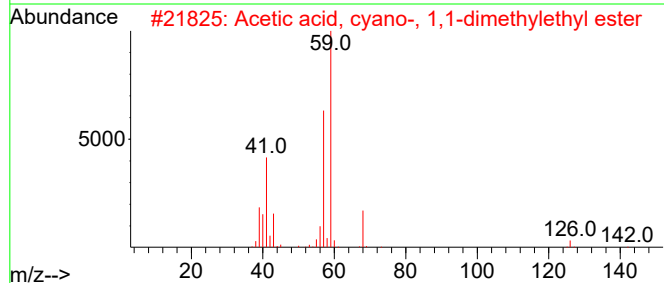
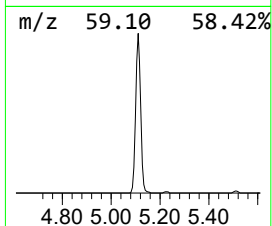
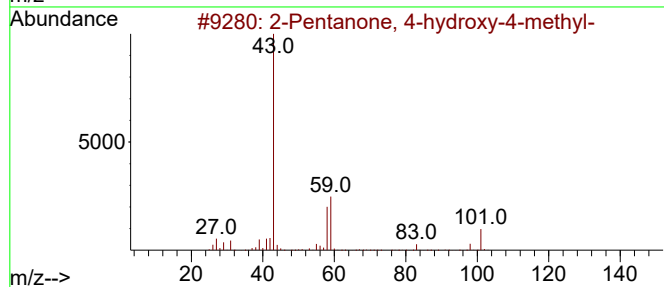
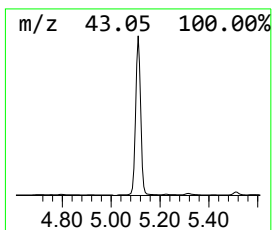
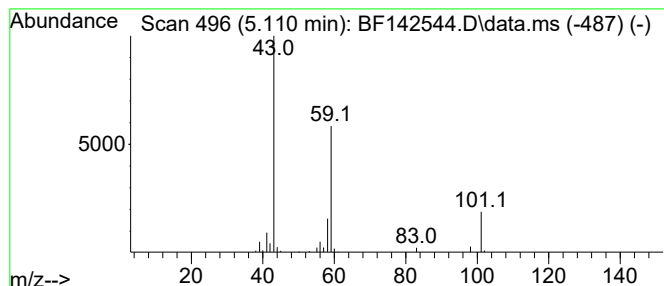
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	6.20 ng	195586	1,4-Dichlorobenzene-d4	6.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32		
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16		
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



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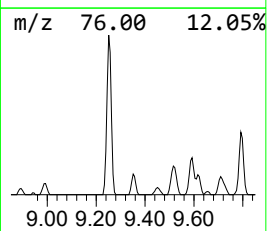
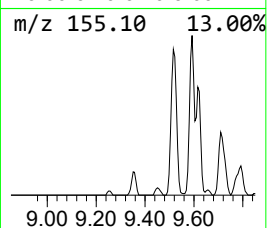
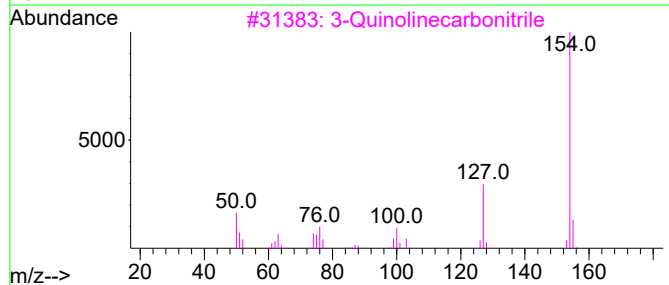
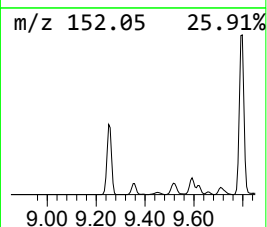
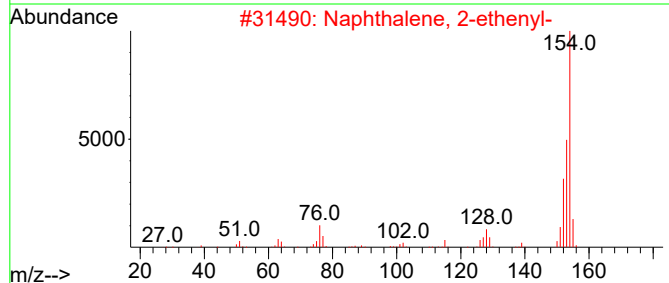
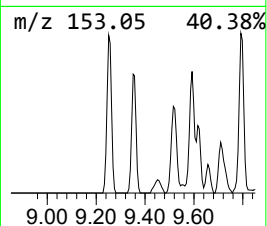
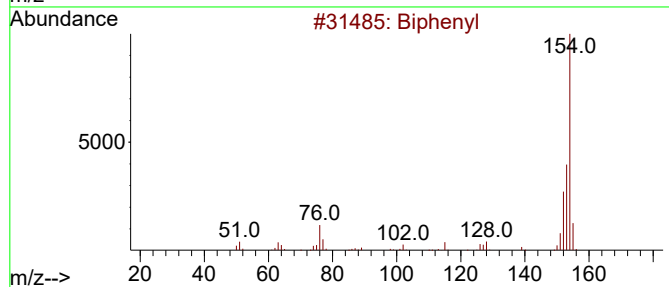
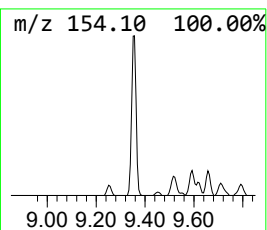
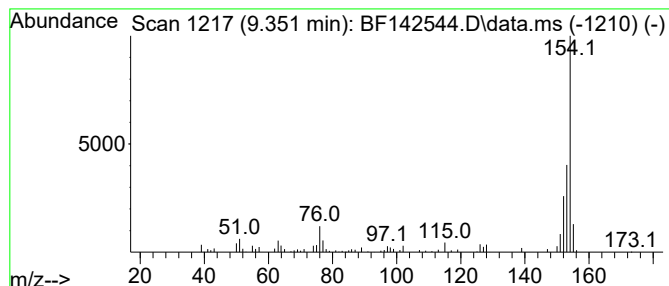
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 2-ethenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.351	2.20 ng	92472	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Biphenyl	154	C12H10	000092-52-4	95
2			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	91
3			3-Quinolinecarbonitrile	154	C10H6N2	034846-64-5	49
4			Acenaphthene	154	C12H10	000083-32-9	47
5			6-Cyanoquinoline	154	C10H6N2	023395-72-4	43



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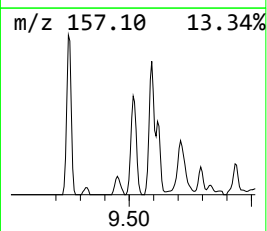
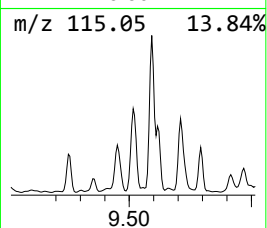
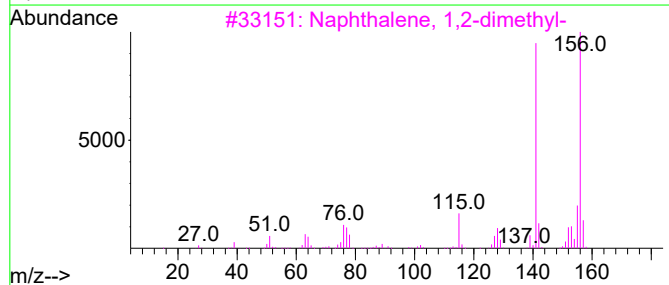
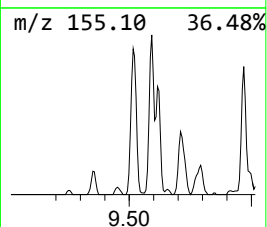
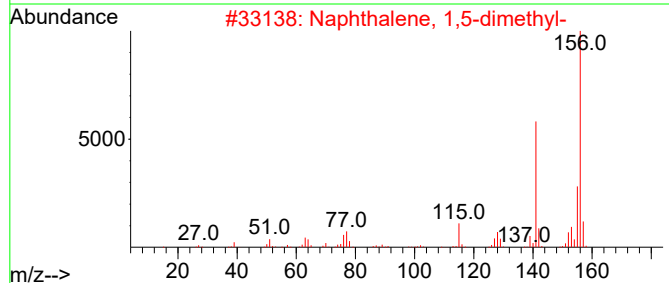
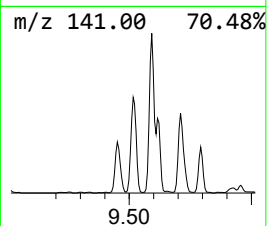
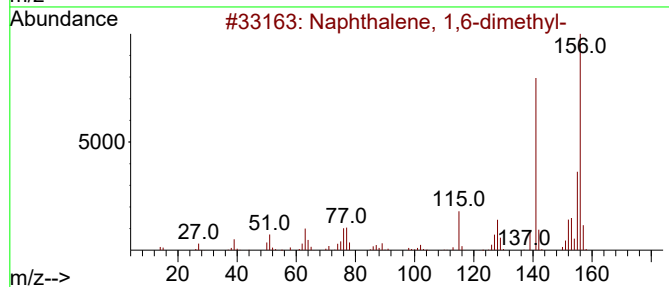
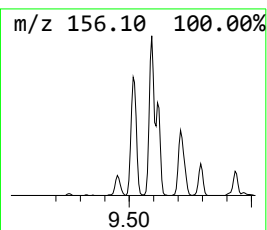
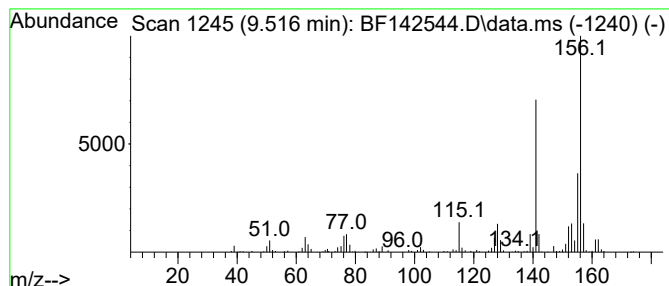
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	6.15 ng	259042	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



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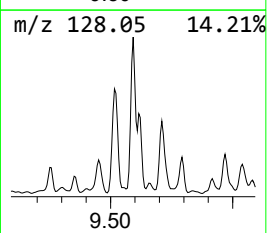
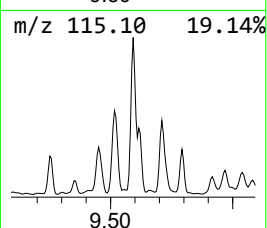
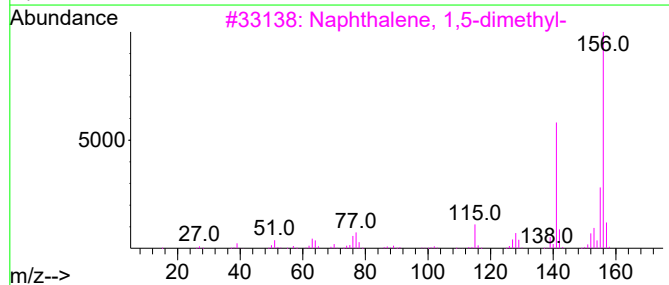
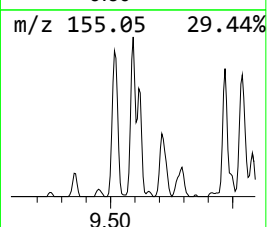
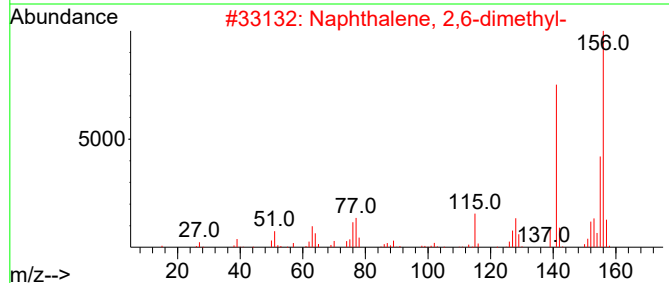
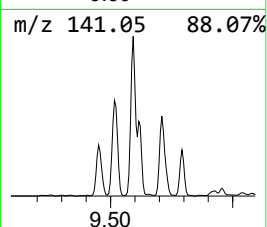
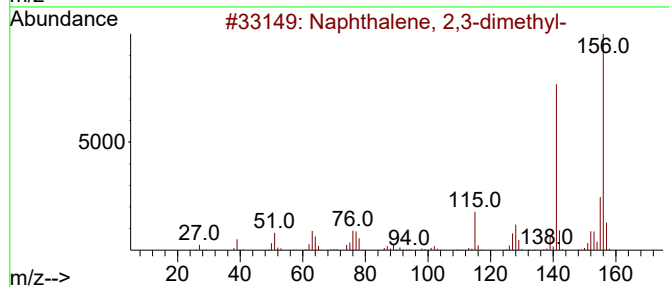
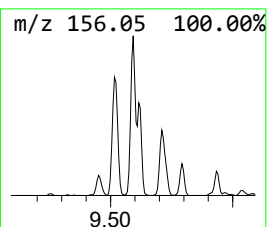
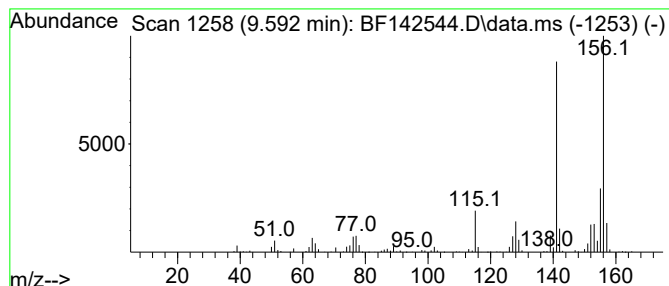
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.592	7.94 ng	334275	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-02-MHF

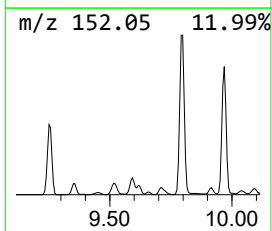
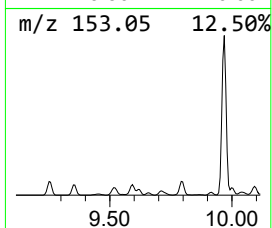
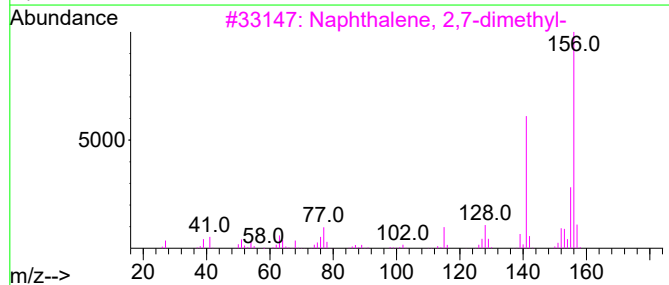
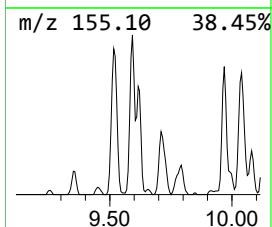
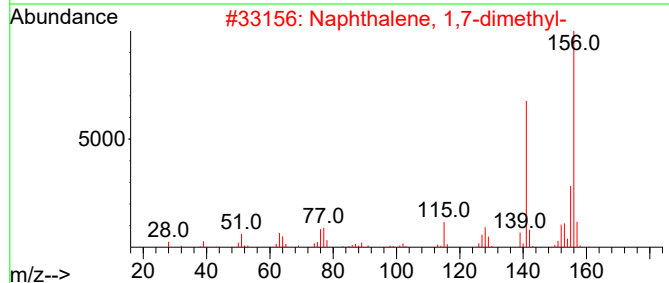
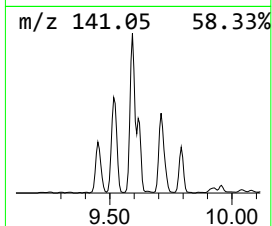
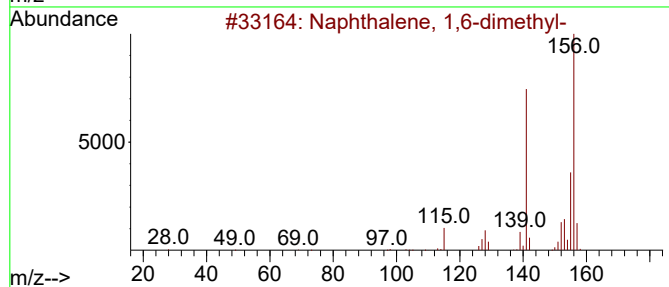
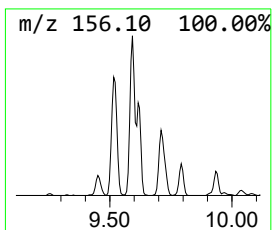
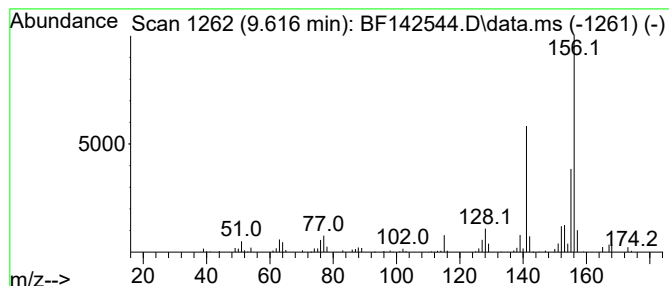
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	3.08 ng	129492	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-02-MHF

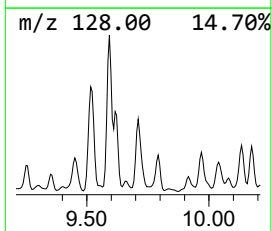
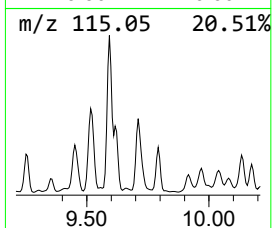
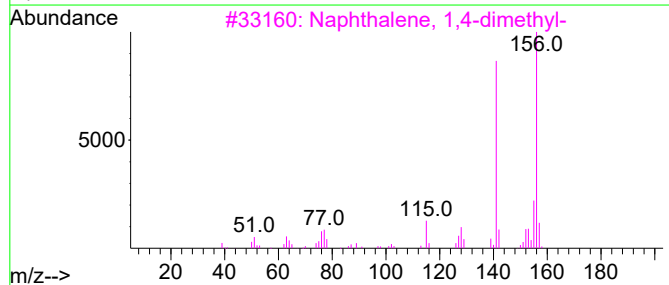
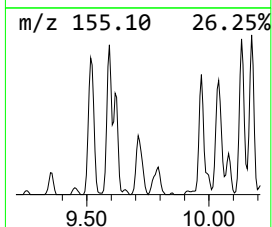
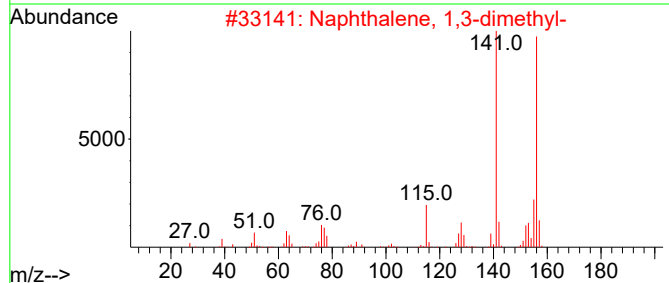
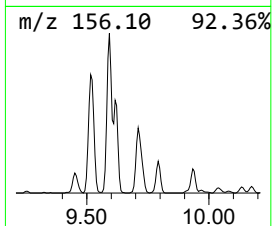
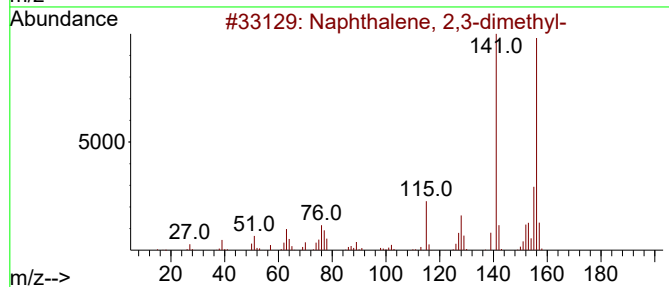
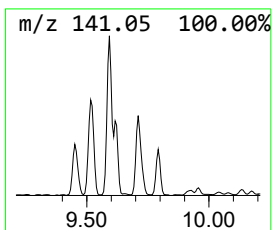
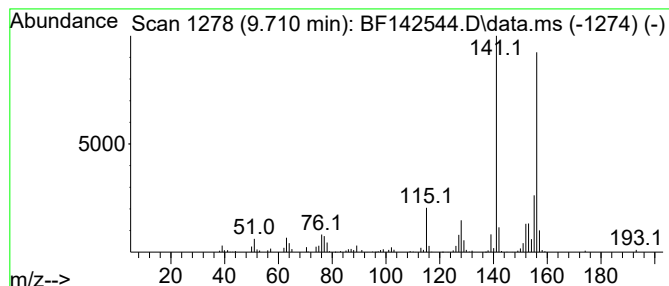
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.710	3.85 ng	162123	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

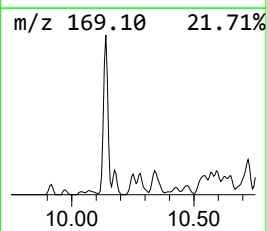
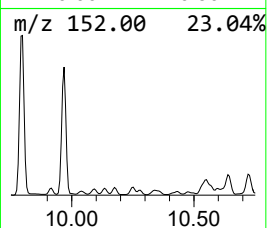
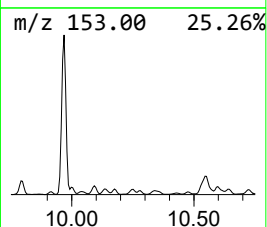
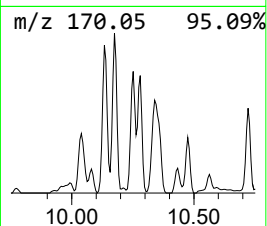
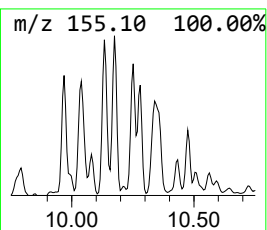
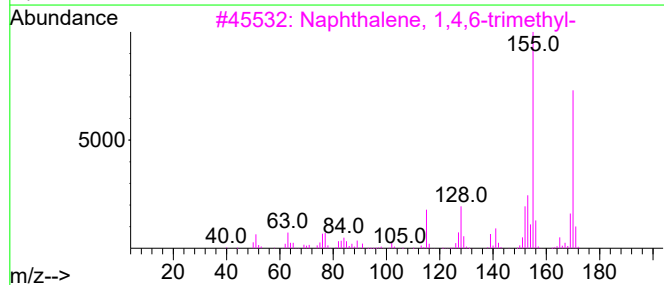
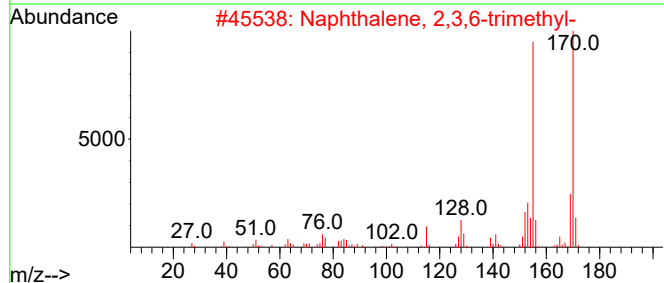
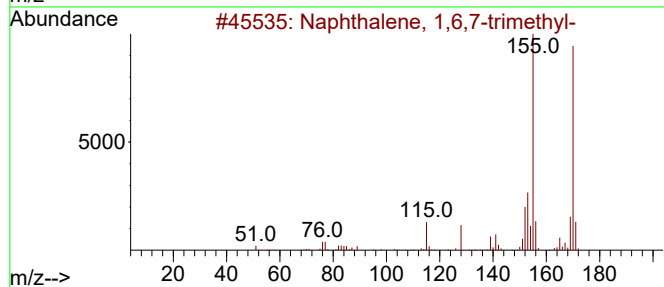
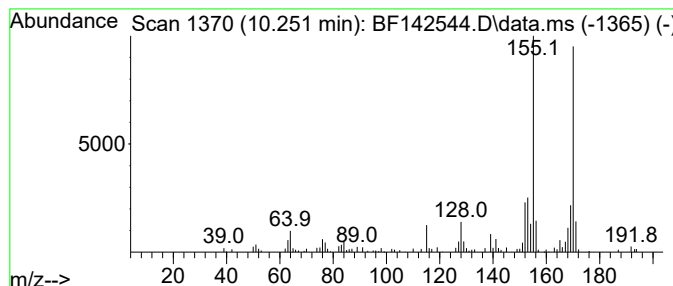
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.251	2.11 ng	88989	Acenaphthene-d10	9.933	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
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Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

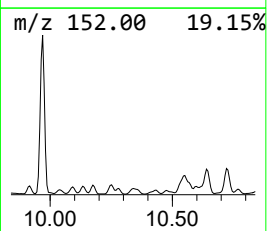
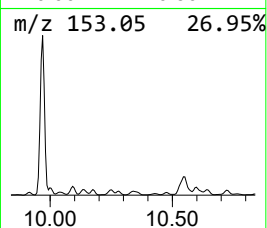
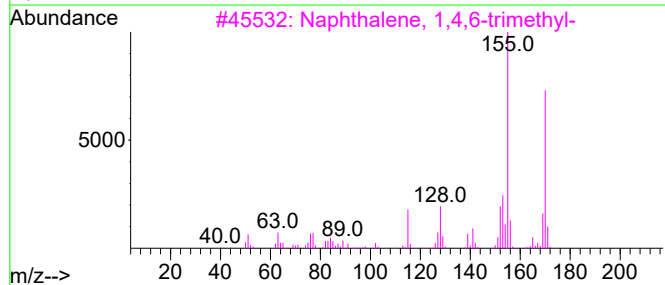
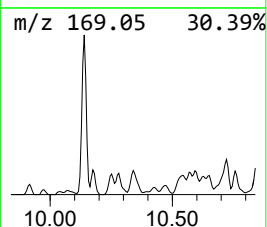
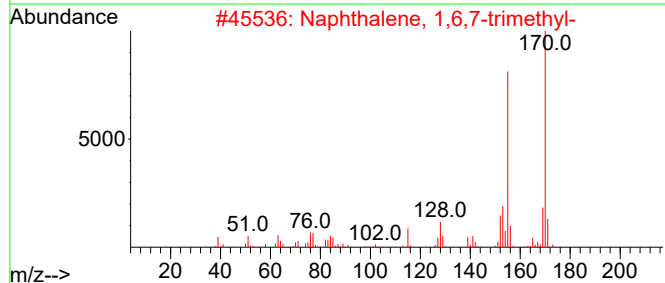
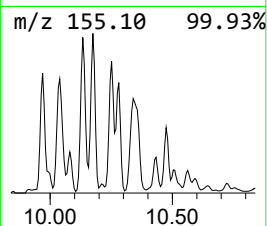
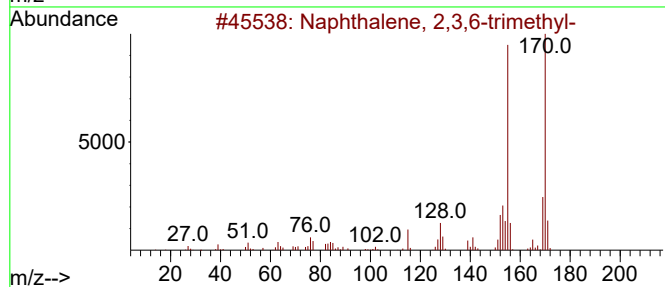
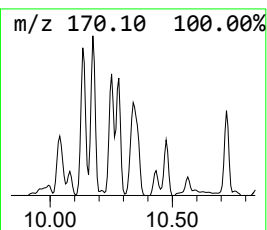
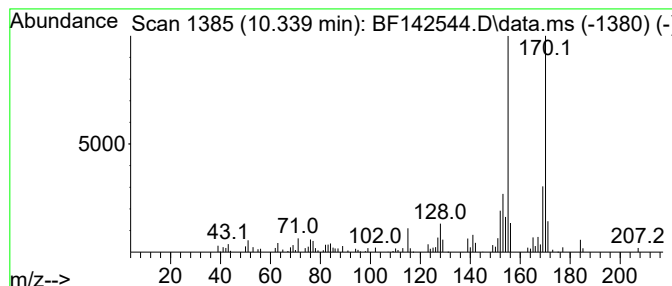
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.339	2.75 ng	115716	Acenaphthene-d10	9.933	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-02-MHF

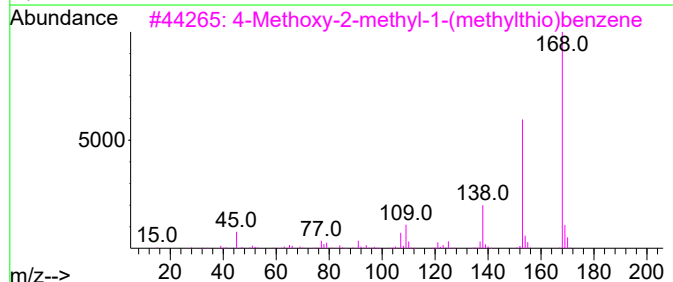
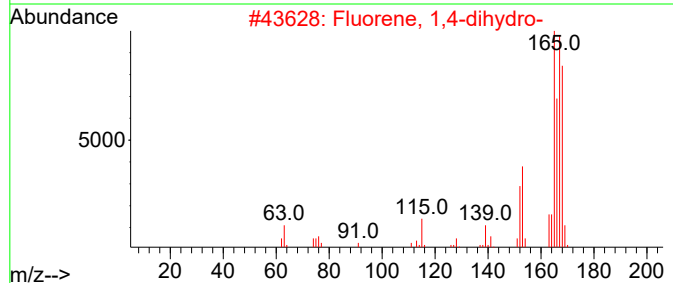
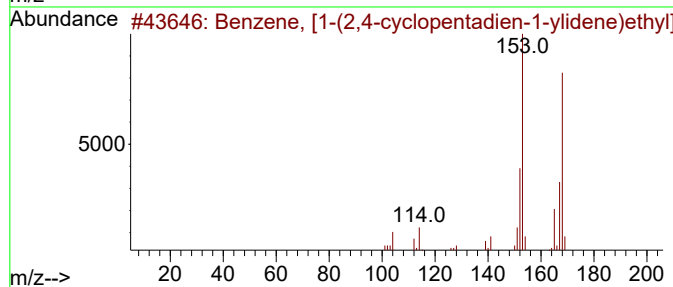
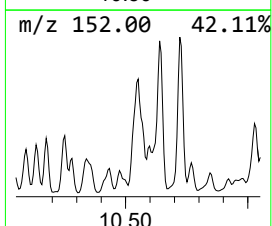
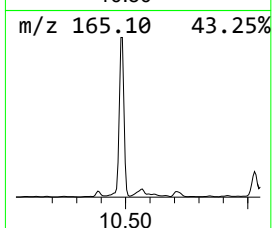
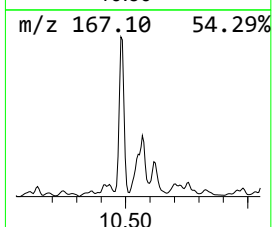
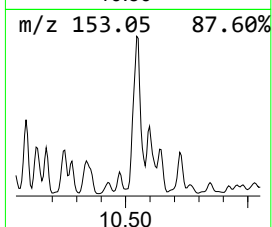
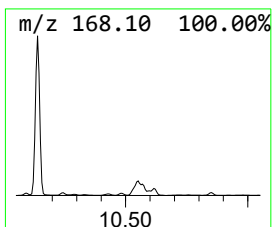
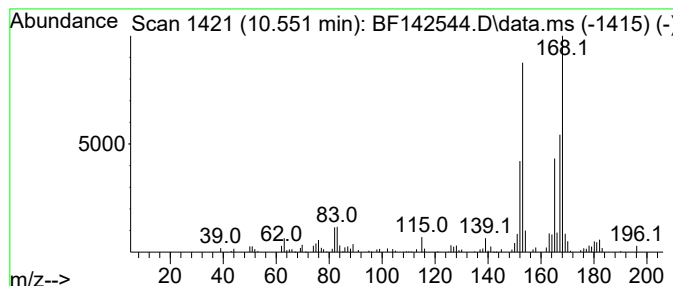
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, [1-(2,4-cyclopenta... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.551	2.64 ng	111262	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	74
2			Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	43
3			4-Methoxy-2-methyl-1-(methylthio...	168	C9H12OS	022583-04-6	43
4			4-Methylthio-2,6-xyleneol	168	C9H12OS	007379-49-9	43
5			Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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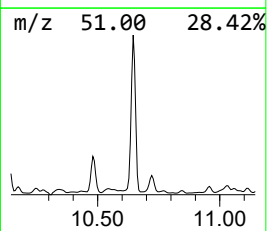
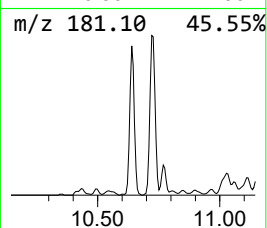
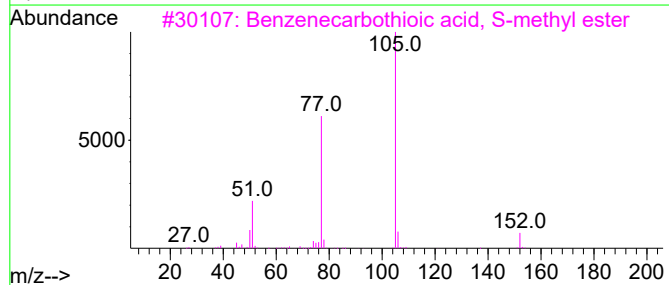
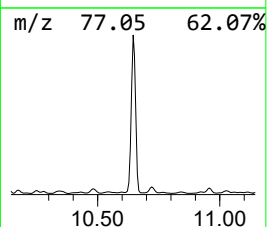
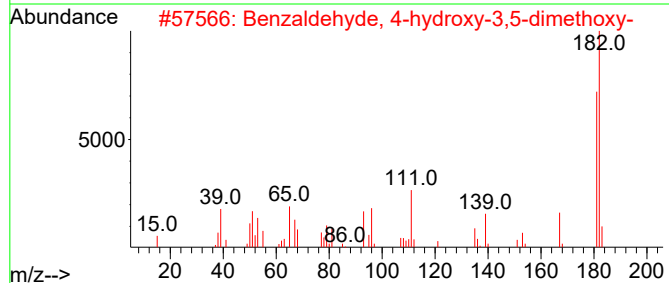
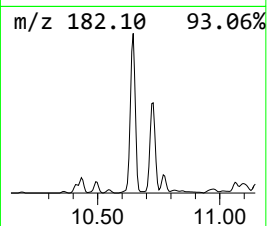
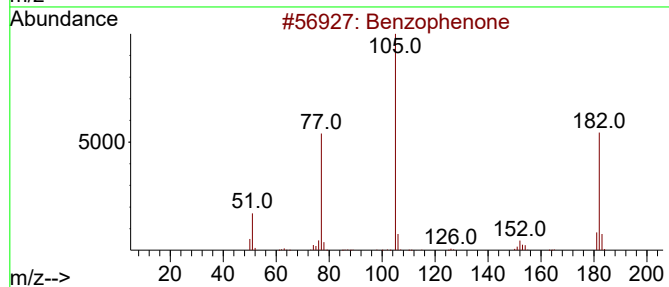
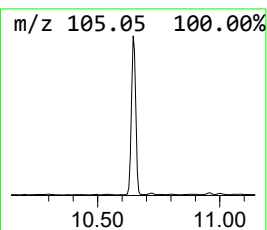
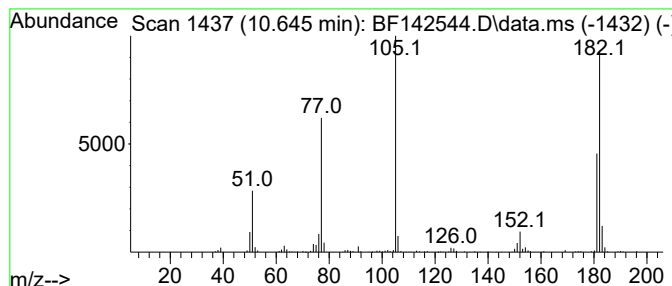
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	8.54 ng	359723	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	87
2			Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	46
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	38
4			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	38
5			3,5-Dimethoxybenzoic acid	182	C9H10O4	001132-21-4	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
TP-02-MHF

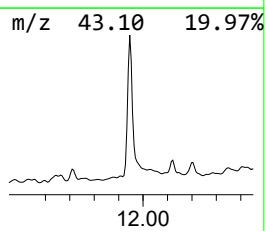
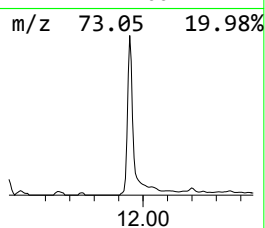
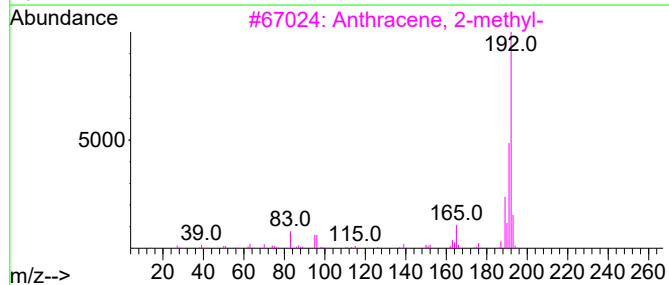
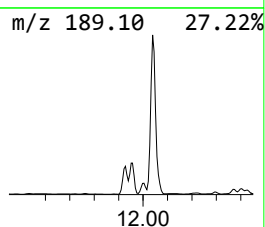
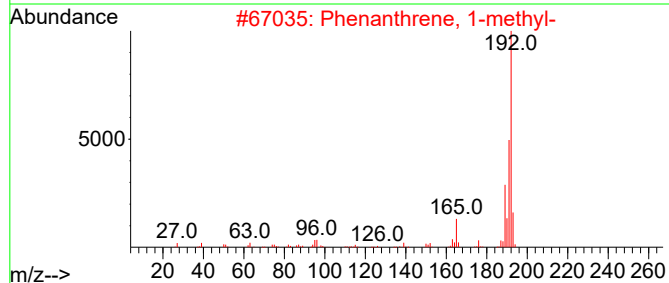
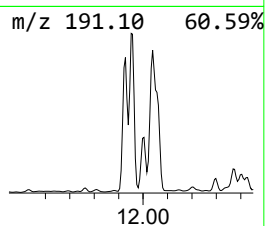
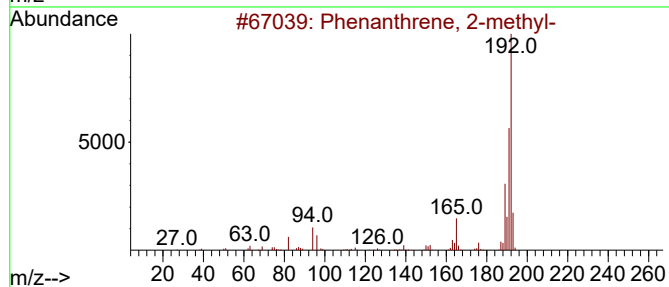
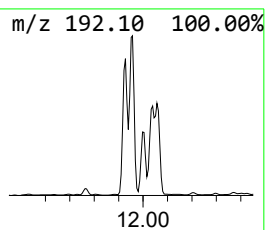
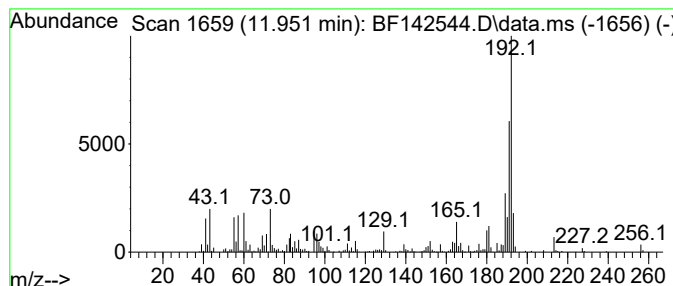
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	3.88 ng	599312	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
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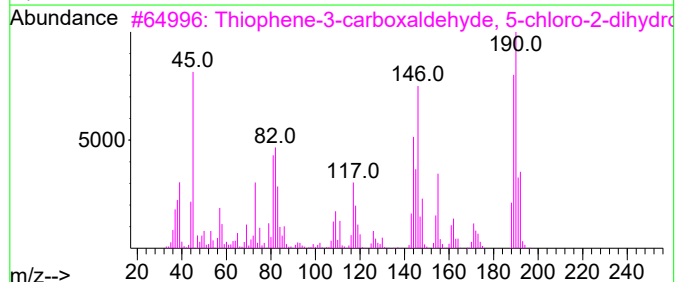
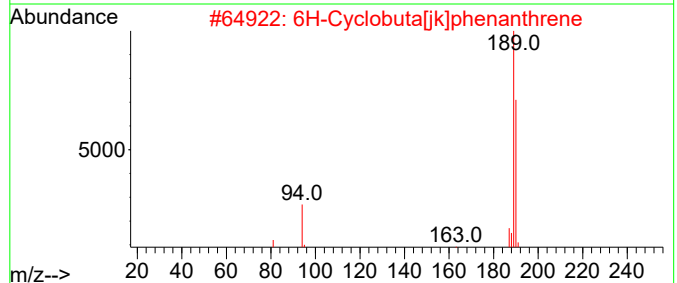
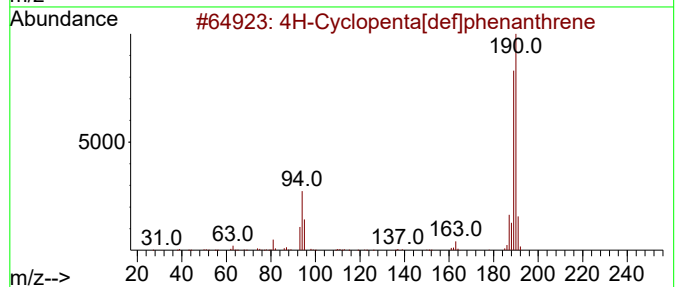
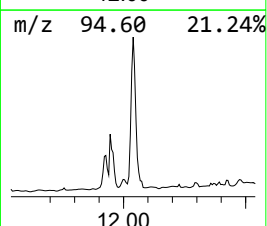
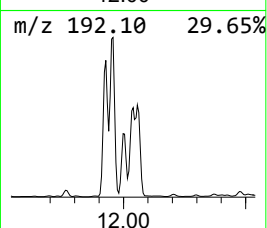
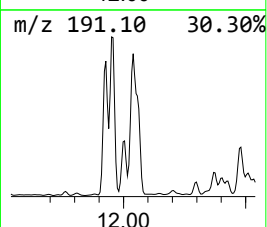
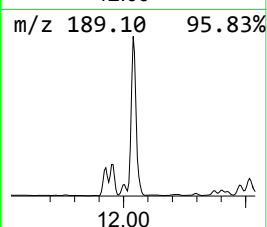
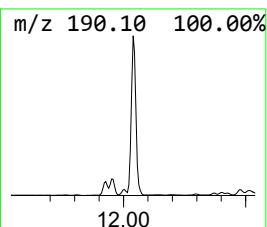
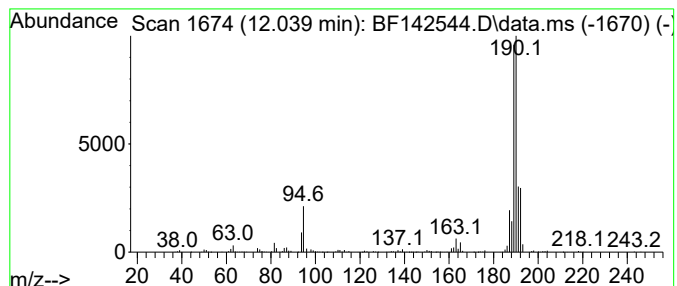
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	5.66 ng	873813	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5			Methyl diselenide	190	C2H6Se2	007101-31-7	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
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Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

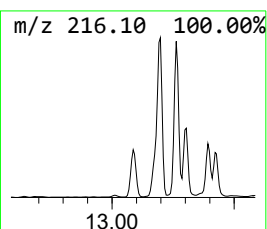
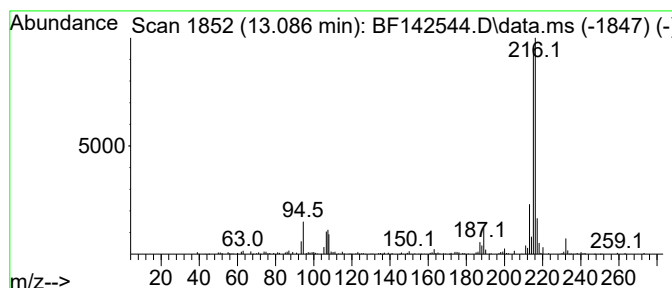
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.086	2.47 ng	225058	Chrysene-d12	14.069	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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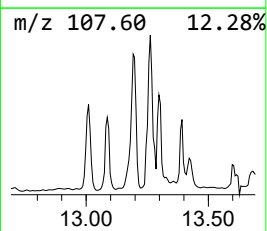
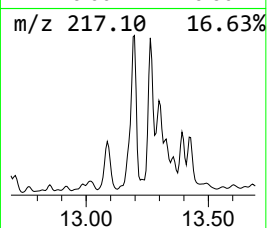
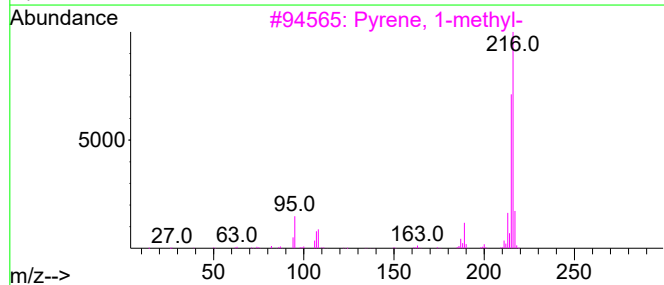
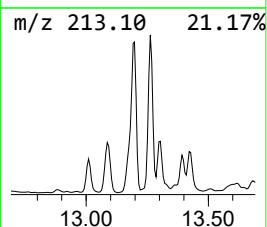
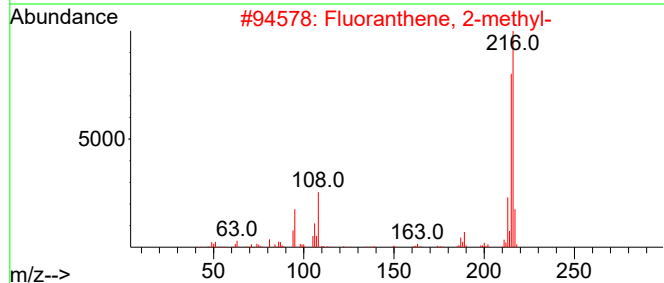
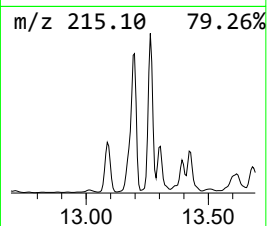
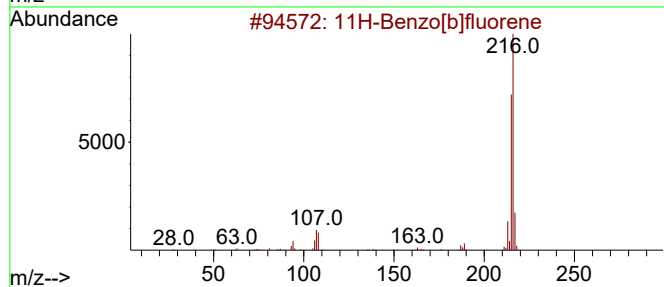
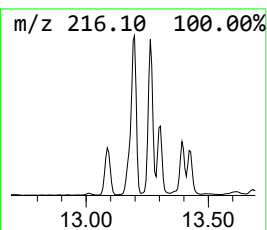
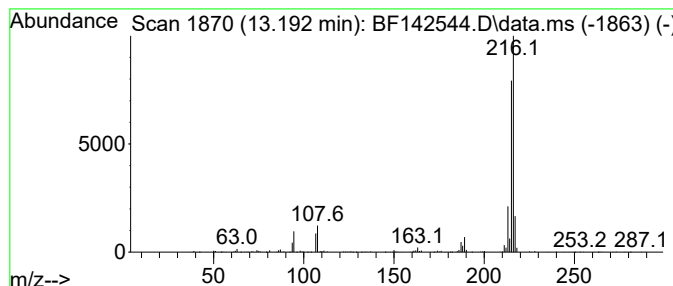
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	6.05 ng	551844	Chrysene-d12	14.069

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
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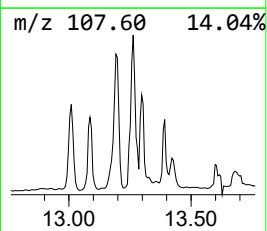
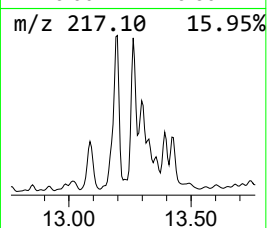
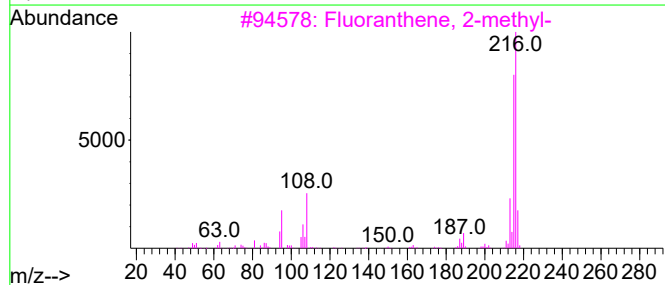
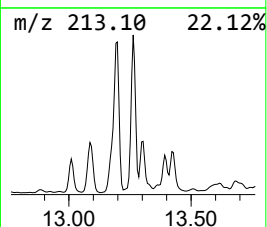
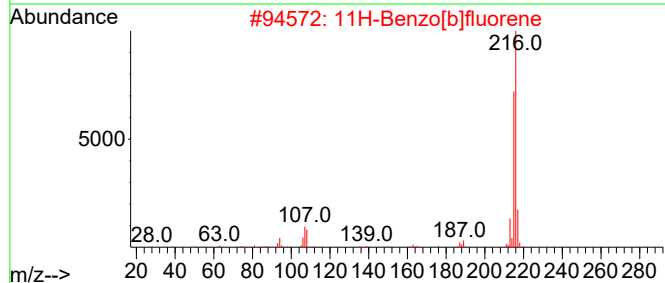
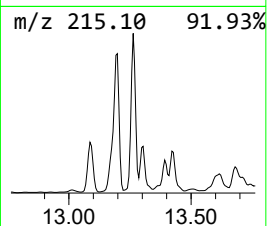
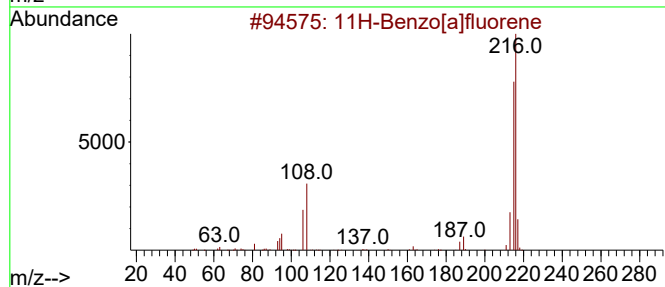
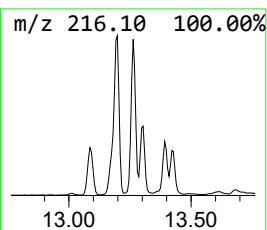
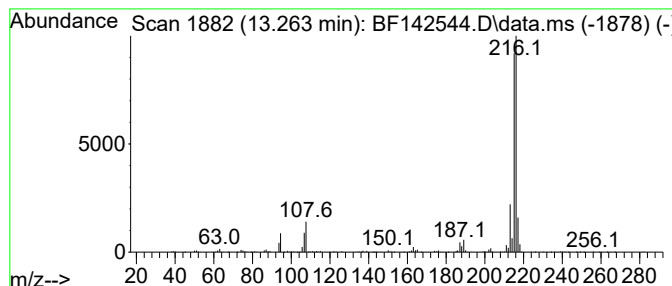
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.263	4.56 ng	415440	Chrysene-d12	14.069

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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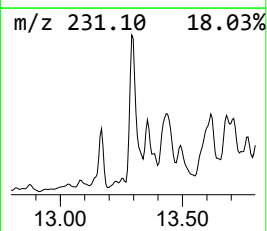
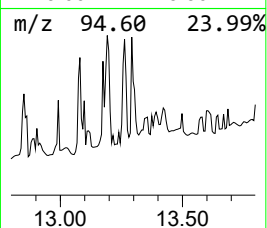
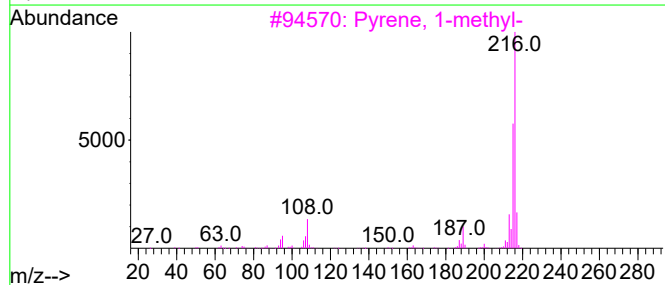
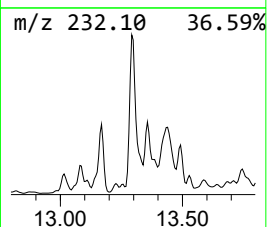
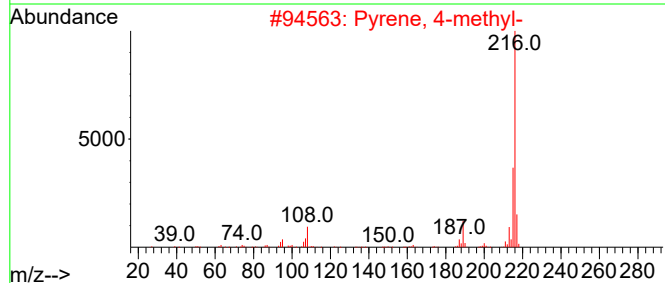
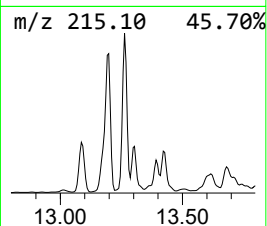
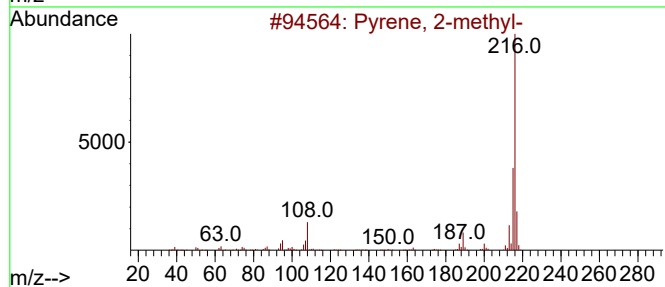
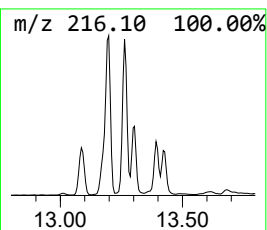
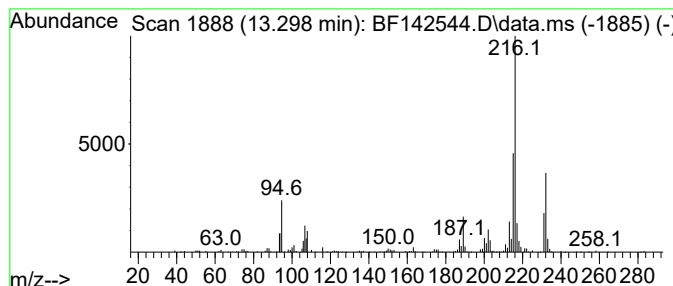
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	2.90 ng	264189	Chrysene-d12	14.069

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
2			Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
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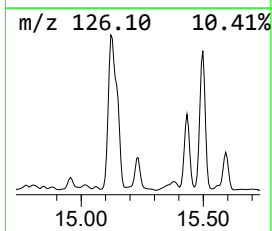
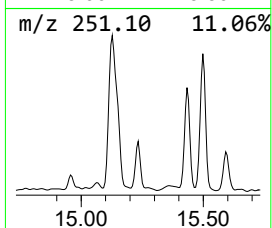
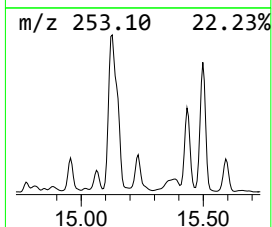
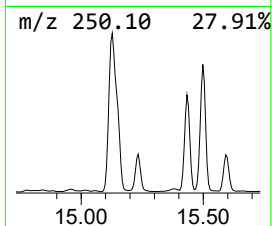
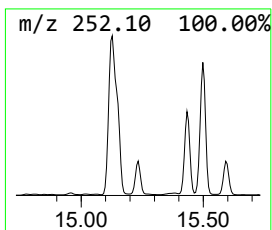
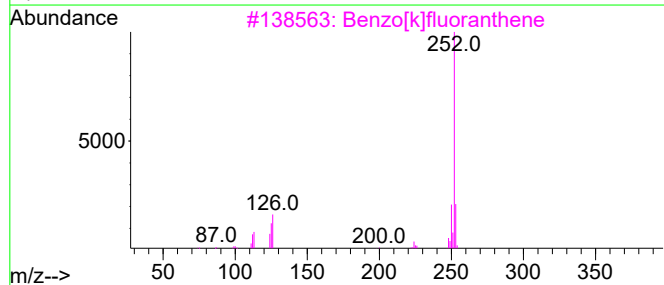
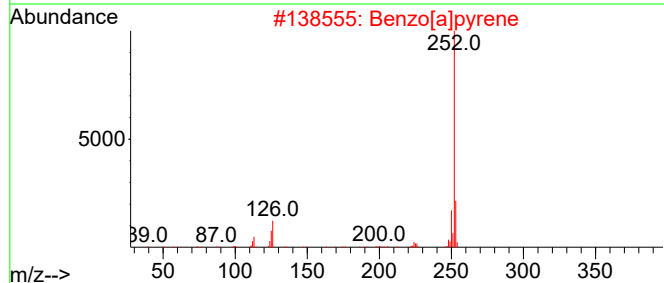
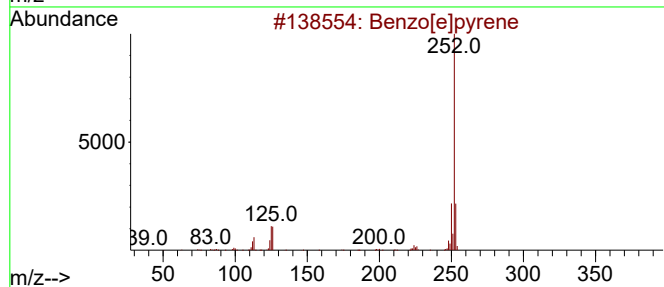
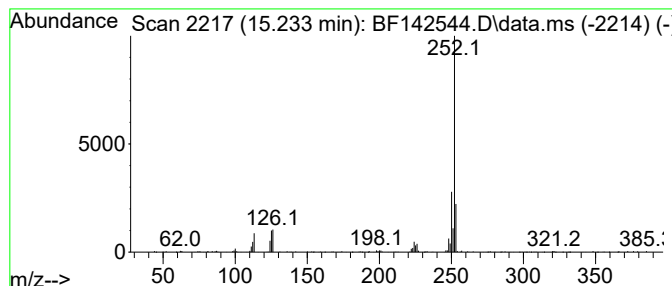
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	5.87 ng	175497	Perylene-d12	15.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	95
2		Benzo[a]pyrene	252	C20H12	000050-32-8	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	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\BF052325\
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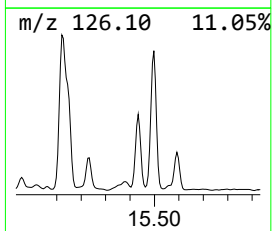
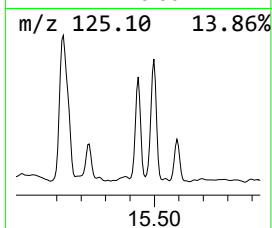
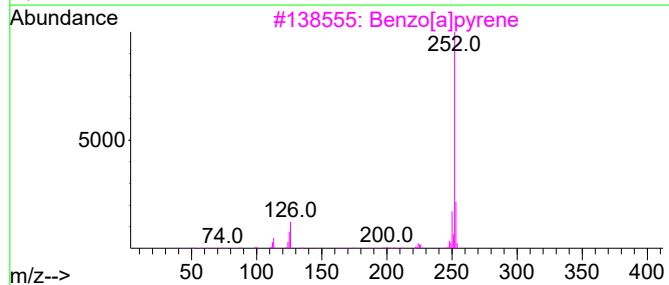
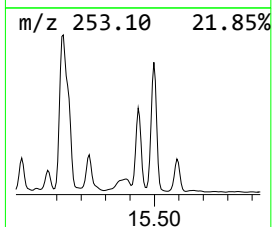
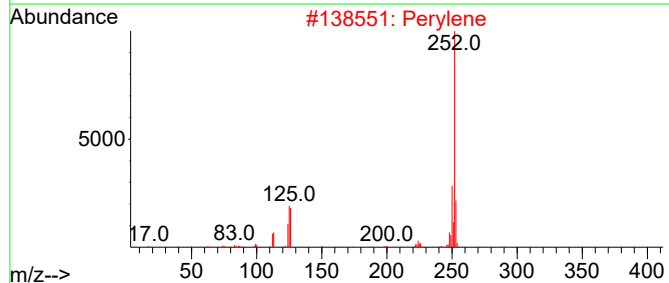
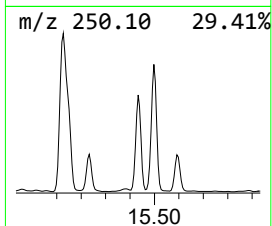
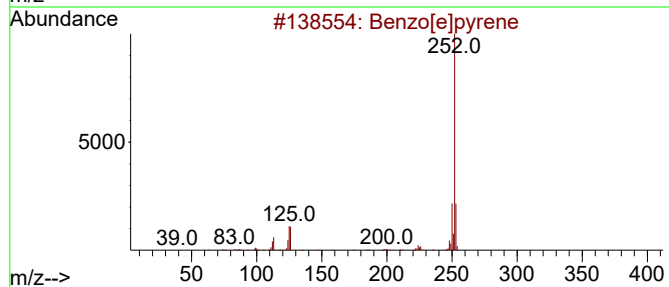
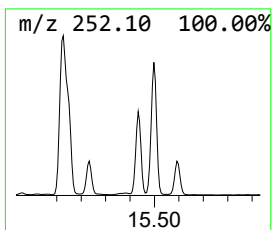
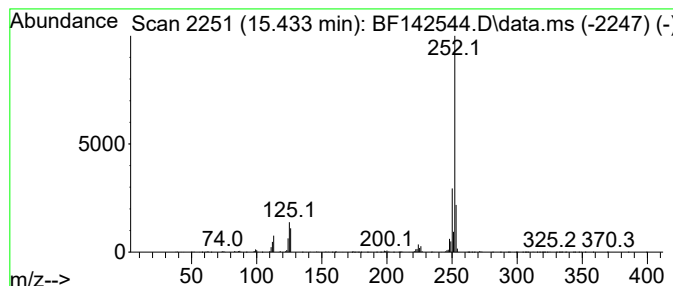
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	16.11 ng	481290	Perylene-d12	15.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Perylene	252	C20H12	000198-55-0	96
3			Benzo[a]pyrene	252	C20H12	000050-32-8	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\BF052325\
Data File : BF142544.D
Acq On : 23 May 2025 19:27
Operator : RC/JU
Sample : Q2109-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-02-MHF

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.110	6.2	ng	195586	1	6.898	631288	20.0
Naphthalene, 2-...	9.351	2.2	ng	92472	3	9.933	842220	20.0
Naphthalene, 1,...	9.516	6.2	ng	259042	3	9.933	842220	20.0
Naphthalene, 2,...	9.592	7.9	ng	334275	3	9.933	842220	20.0
Naphthalene, 1,...	9.616	3.1	ng	129492	3	9.933	842220	20.0
Naphthalene, 1,...	9.710	3.9	ng	162123	3	9.933	842220	20.0
Naphthalene, 1,...	10.251	2.1	ng	88989	3	9.933	842220	20.0
Naphthalene, 2,...	10.339	2.8	ng	115716	3	9.933	842220	20.0
Benzene, [1-(2,...	10.551	2.6	ng	111262	3	9.933	842220	20.0
Benzophenone	10.645	8.5	ng	359723	3	9.933	842220	20.0
Phenanthrene, 2...	11.951	3.9	ng	599312	4	11.428	3086750	20.0
4H-Cyclopenta[d...	12.039	5.7	ng	873813	4	11.428	3086750	20.0
Pyrene, 1-methyl-	13.086	2.5	ng	225058	5	14.069	1822790	20.0
11H-Benzo[b]flu...	13.192	6.0	ng	551844	5	14.069	1822790	20.0
11H-Benzo[a]flu...	13.263	4.6	ng	415440	5	14.069	1822790	20.0
Pyrene, 2-methyl-	13.298	2.9	ng	264189	5	14.069	1822790	20.0
Benzo[e]pyrene	15.233	5.9	ng	175497	6	15.563	597494	20.0
Perylene	15.433	16.1	ng	481290	6	15.563	597494	20.0