

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135636.D
 Acq On : 06 Oct 2023 18:57
 Operator : CG\JU
 Sample : 04736-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11939

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: BF135636.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.340	379	383	395	rBV	226164	315511	4.09%	0.320%
2	4.981	485	492	510	rBV	2683068	4569344	59.20%	4.630%
3	5.387	557	561	589	rBV	4000952	4274934	55.38%	4.331%
4	5.763	621	625	631	rBV	134349	121890	1.58%	0.123%
5	6.393	728	732	753	rBV	3851753	4498790	58.28%	4.558%
6	6.740	787	791	801	rVB	1050246	908930	11.78%	0.921%
7	7.310	883	888	891	rBV	2831081	2795991	36.22%	2.833%
8	8.016	1004	1008	1017	rBV	1328463	1194961	15.48%	1.211%
9	8.616	1107	1110	1117	rBV	535926	498106	6.45%	0.505%
10	9.098	1186	1192	1195	rBV	4422023	4254815	55.12%	4.311%
11	9.216	1207	1212	1219	rVB	381297	376215	4.87%	0.381%
12	9.357	1232	1236	1241	rBV3	101269	176795	2.29%	0.179%
13	9.434	1245	1249	1251	rVV	209970	197335	2.56%	0.200%
14	9.551	1266	1269	1278	rVB	178501	205993	2.67%	0.209%
15	9.633	1281	1283	1287	rVB	181921	163944	2.12%	0.166%
16	9.775	1299	1307	1310	rBV	1490753	1347816	17.46%	1.366%
17	9.810	1310	1313	1316	rVB	1944748	1665063	21.57%	1.687%
18	9.933	1329	1334	1336	rBV2	310045	314980	4.08%	0.319%
19	9.981	1338	1342	1346	rVV2	869251	737809	9.56%	0.748%
20	10.022	1346	1349	1358	rVB2	180404	217779	2.82%	0.221%
21	10.092	1358	1361	1364	rBV	310009	289902	3.76%	0.294%
22	10.186	1372	1377	1379	rBV	185904	224874	2.91%	0.228%
23	10.286	1390	1394	1397	rVV3	259394	298526	3.87%	0.302%
24	10.328	1397	1401	1406	rVV	1768767	1623781	21.04%	1.645%
25	10.392	1406	1412	1413	rVV	726478	913459	11.83%	0.925%
26	10.410	1413	1415	1417	rVV2	487638	420302	5.44%	0.426%
27	10.433	1417	1419	1421	rVV2	286917	292908	3.79%	0.297%
28	10.481	1425	1427	1431	rVB	812161	789818	10.23%	0.800%
29	10.575	1438	1443	1446	rBV	2728359	2864053	37.10%	2.902%
30	10.616	1448	1450	1453	rVB	250999	191308	2.48%	0.194%
31	10.675	1457	1460	1462	rBV	694890	667288	8.64%	0.676%
32	10.704	1462	1465	1469	rVB2	913825	952248	12.34%	0.965%
33	10.810	1479	1483	1487	rVB5	112399	184106	2.39%	0.187%
34	10.880	1487	1495	1497	rBV3	546624	773533	10.02%	0.784%
35	10.904	1497	1499	1502	rVV	343282	291663	3.78%	0.296%
36	10.957	1506	1508	1511	rVB	421783	353247	4.58%	0.358%

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37	11.004	1511	1516	1518	rBV2	486665	629684	8.16%	0.638%
38	11.028	1518	1520	1522	rVV	442866	373976	4.84%	0.379%
39	11.080	1526	1529	1533	rVV	686176	633913	8.21%	0.642%
40	11.116	1533	1535	1540	rVV3	518676	671215	8.70%	0.680%
41	11.163	1540	1543	1552	rVB	946383	1026500	13.30%	1.040%
42	11.275	1555	1562	1563	rBV	1068533	1227149	15.90%	1.243%
43	11.304	1563	1567	1569	rVV	4565356	4802997	62.22%	4.866%
44	11.345	1572	1574	1577	rVB	973425	862600	11.17%	0.874%
45	11.386	1577	1581	1586	rVB3	218741	395112	5.12%	0.400%
46	11.516	1597	1603	1609	rBV4	311524	774032	10.03%	0.784%
47	11.563	1609	1611	1613	rVV	433918	343087	4.44%	0.348%
48	11.604	1615	1618	1623	rVV2	248076	372531	4.83%	0.377%
49	11.680	1626	1631	1637	rBV5	190563	350514	4.54%	0.355%
50	11.775	1643	1647	1650	rBV	1112772	997460	12.92%	1.011%
51	11.804	1650	1652	1656	rVB2	1482520	1356032	17.57%	1.374%
52	11.851	1658	1660	1663	rVB	441971	374909	4.86%	0.380%
53	11.892	1663	1667	1669	rBV	2408954	2611540	33.83%	2.646%
54	12.069	1694	1697	1702	rVV	933427	936255	12.13%	0.949%
55	12.110	1702	1704	1708	rVV2	350922	319309	4.14%	0.324%
56	12.222	1720	1723	1725	rBV	264681	186997	2.42%	0.189%
57	12.251	1725	1728	1731	rVB2	283038	227031	2.94%	0.230%
58	12.280	1731	1733	1737	rVB	173399	144483	1.87%	0.146%
59	12.327	1737	1741	1744	rBV	543816	591857	7.67%	0.600%
60	12.369	1744	1748	1754	rVB2	347915	539689	6.99%	0.547%
61	12.427	1754	1758	1765	rVB3	447859	647050	8.38%	0.656%
62	12.510	1765	1772	1775	rBV	5480840	7719085	100.00%	7.821%
63	12.563	1779	1781	1784	rVB2	215575	180842	2.34%	0.183%
64	12.645	1792	1795	1798	rVB	578868	486577	6.30%	0.493%
65	12.733	1803	1810	1814	rBV3	4271545	6992183	90.58%	7.084%
66	12.774	1814	1817	1822	rVB2	390762	441179	5.72%	0.447%
67	12.845	1825	1829	1830	rBV	462175	435314	5.64%	0.441%
68	12.869	1830	1833	1836	rVB	3085020	2761851	35.78%	2.798%
69	12.945	1841	1846	1850	rBV3	430751	785992	10.18%	0.796%
70	13.033	1857	1861	1862	rBV2	323718	401111	5.20%	0.406%
71	13.057	1862	1865	1868	rVB	1267584	1160414	15.03%	1.176%
72	13.122	1868	1876	1879	rBV	1210564	1187690	15.39%	1.203%
73	13.157	1879	1882	1885	rVV2	556026	714759	9.26%	0.724%
74	13.216	1889	1892	1895	rVB3	152217	150840	1.95%	0.153%
75	13.251	1895	1898	1901	rBV	282672	237573	3.08%	0.241%
76	13.280	1901	1903	1907	rBV3	274190	273552	3.54%	0.277%

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77	13.539	1944	1947	1950	rBV2	144238	175454	2.27%	0.178%
78	13.574	1950	1953	1956	rVB	252686	234870	3.04%	0.238%
79	13.680	1967	1971	1973	rBV	671955	661213	8.57%	0.670%
80	13.704	1973	1975	1977	rVV	451478	398253	5.16%	0.403%
81	13.727	1977	1979	1981	rVV	267997	267630	3.47%	0.271%
82	13.751	1981	1983	1986	rVV2	213935	249259	3.23%	0.253%
83	13.786	1986	1989	1991	rVV	225945	206602	2.68%	0.209%
84	13.845	1995	1999	2006	rVB	210671	328982	4.26%	0.333%
85	13.927	2006	2013	2016	rBV2	1907060	3085661	39.97%	3.126%
86	13.957	2016	2018	2026	rVB	1568150	1537105	19.91%	1.557%
87	14.039	2029	2032	2034	rVB	308373	277990	3.60%	0.282%
88	14.286	2071	2074	2076	rBV2	163362	172086	2.23%	0.174%
89	14.321	2076	2080	2083	rVV	320911	341229	4.42%	0.346%
90	14.351	2083	2085	2088	rVB2	146331	129737	1.68%	0.131%
91	14.645	2132	2135	2138	rBV3	145736	170597	2.21%	0.173%
92	14.816	2162	2164	2168	rVB	118411	123013	1.59%	0.125%
93	14.974	2186	2191	2199	rBV	962769	1771919	22.96%	1.795%
94	15.080	2206	2209	2213	rVB	147493	166399	2.16%	0.169%
95	15.274	2238	2242	2249	rVB	518221	616131	7.98%	0.624%
96	15.339	2249	2253	2258	rBV	656640	798123	10.34%	0.809%
97	15.398	2259	2263	2266	rVV	576732	708486	9.18%	0.718%
98	15.433	2266	2269	2275	rVB2	172262	249413	3.23%	0.253%
99	16.886	2509	2516	2523	rBV2	202987	447805	5.80%	0.454%
100	17.333	2587	2592	2604	rVB	131247	289627	3.75%	0.293%

Sum of corrected areas: 98700485

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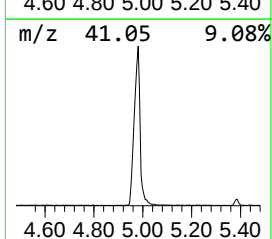
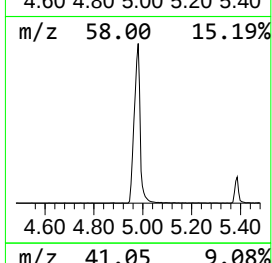
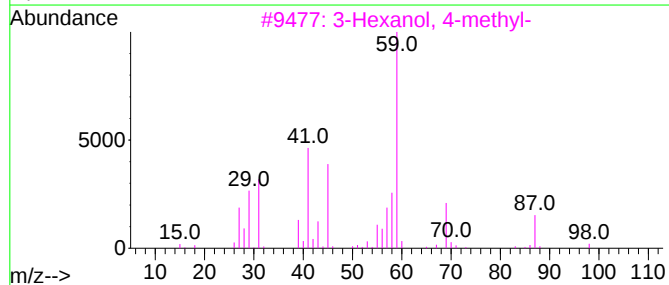
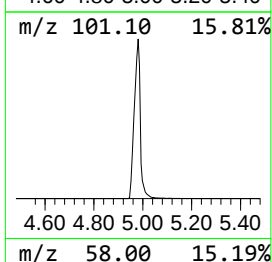
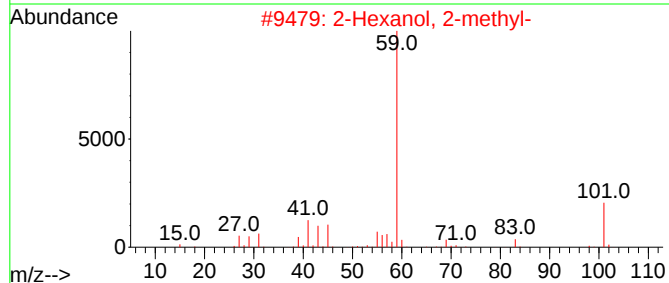
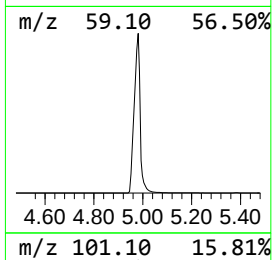
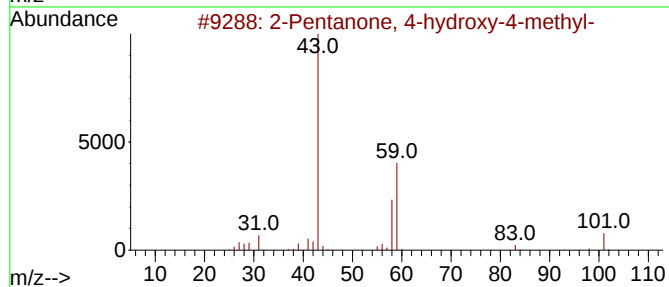
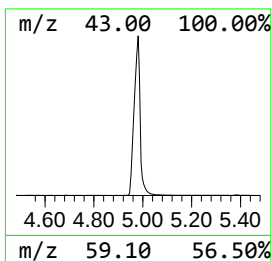
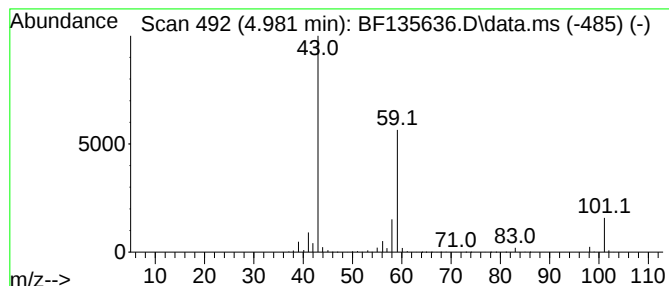
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.981	100.54 ng	4569340	1,4-Dichlorobenzene-d4	6.740

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33		
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32		
5	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9		



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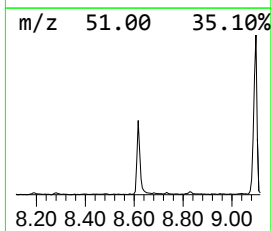
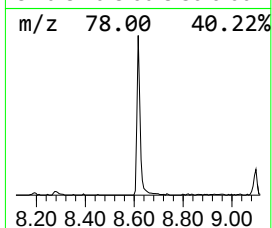
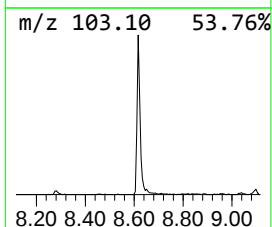
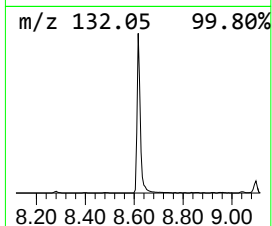
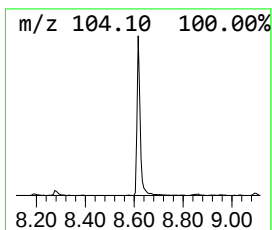
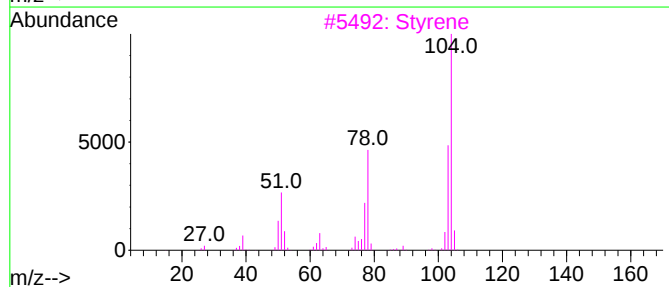
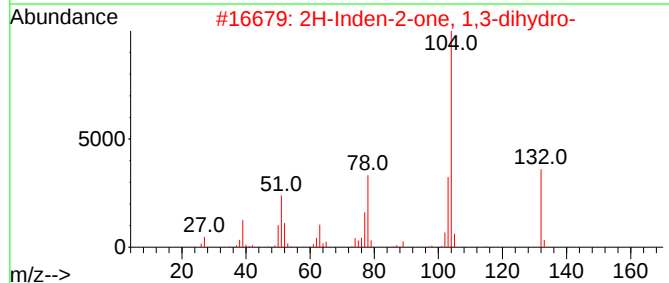
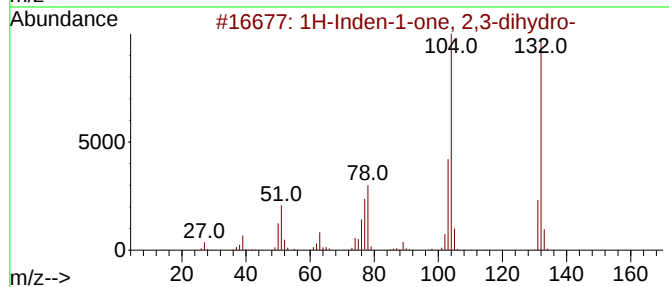
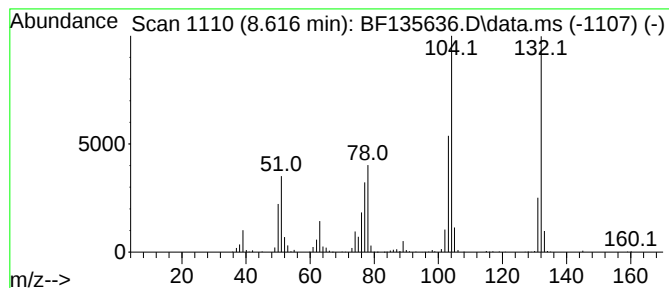
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.616	8.34 ng	498106	Naphthalene-d8	8.016

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	96
2		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	76
3		Styrene	104	C8H8	000100-42-5	64
4		1H-Indenol	132	C9H8O	056631-57-3	60
5		Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	60



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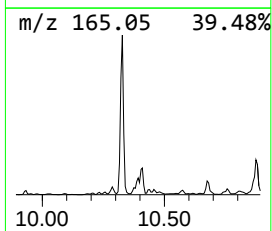
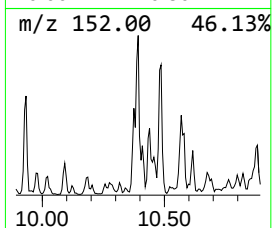
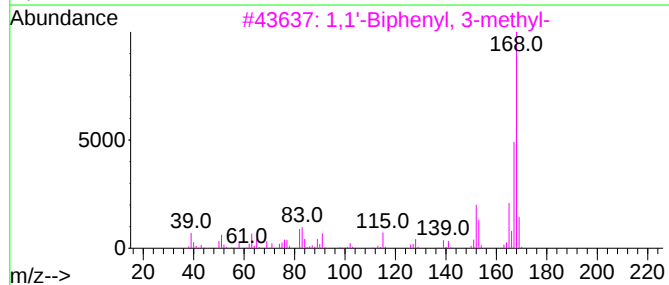
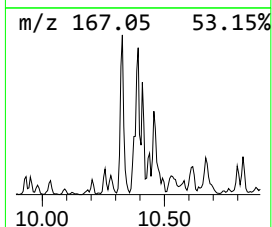
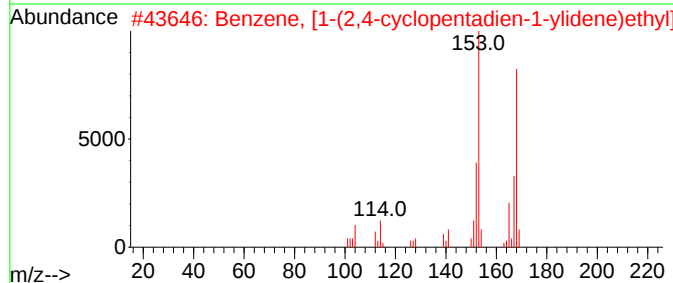
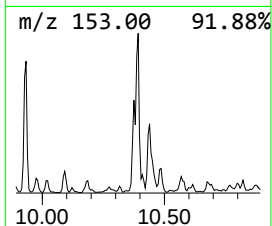
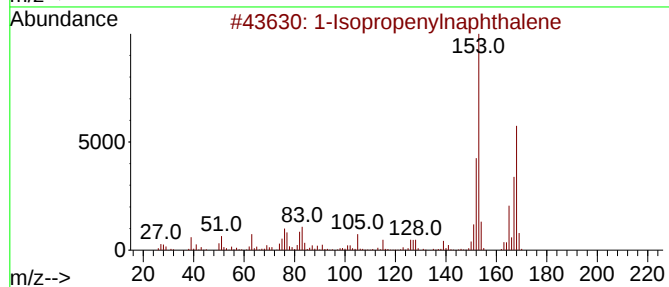
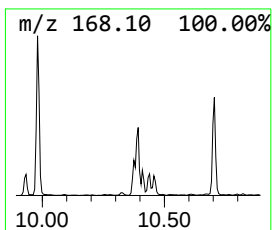
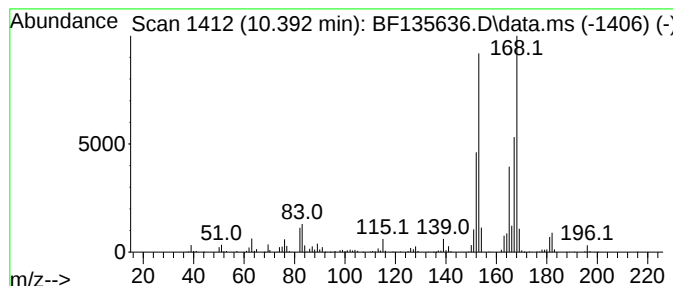
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.392	13.55 ng	913459	Acenaphthene-d10	9.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3			1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	52
4			1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50
5			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43



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Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

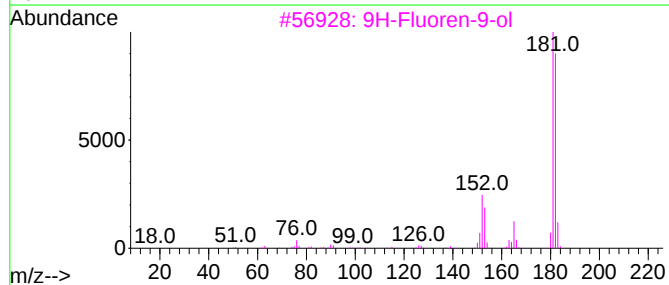
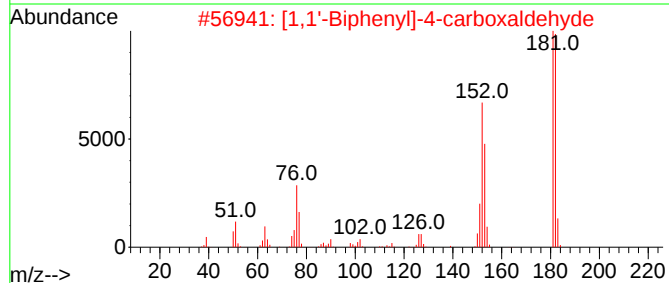
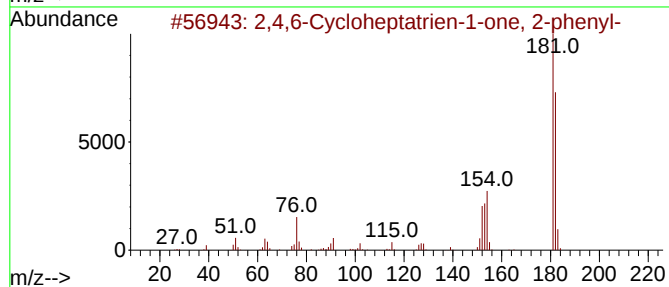
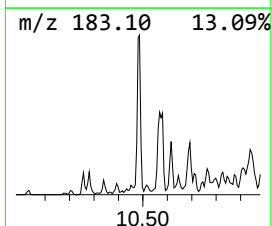
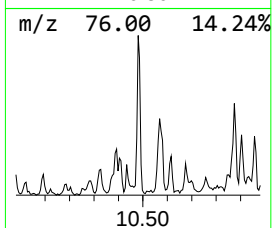
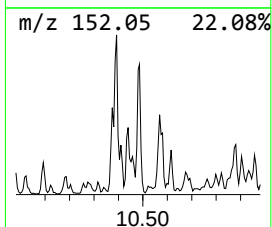
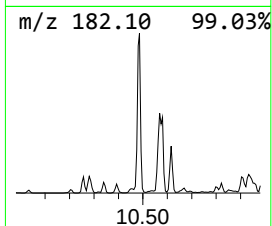
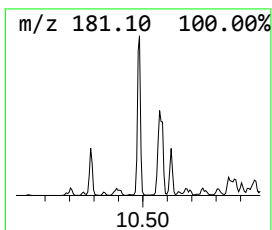
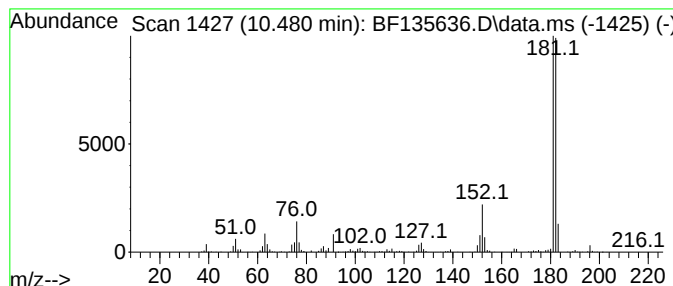
Instrument :
BNA_F
ClientSampleId :
72-11939

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 4 2,4,6-Cycloheptatrien-1-one... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.480	11.72 ng	789818	Acenaphthene-d10		9.775	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...		182	C13H10O	014562-09-5	91
2	[1,1'-Biphenyl]-4-carboxaldehyde		182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol		182	C13H10O	001689-64-1	78
4	9H-Fluoren-3-ol		182	C13H10O	006344-67-8	76
5	2-Hydroxyfluorene		182	C13H10O	002443-58-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
72-11939

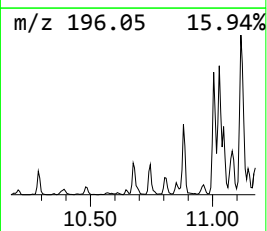
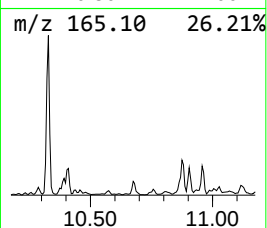
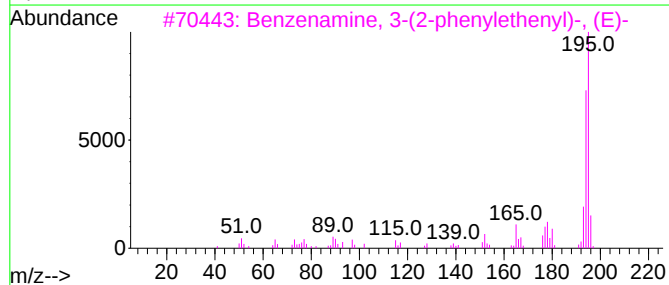
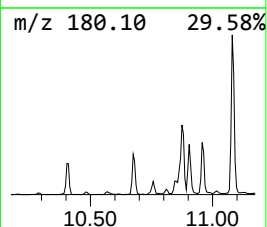
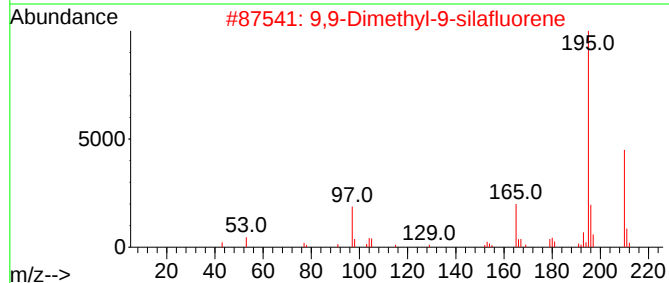
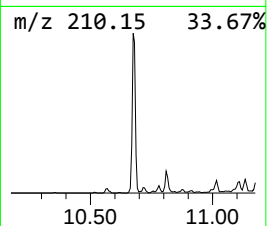
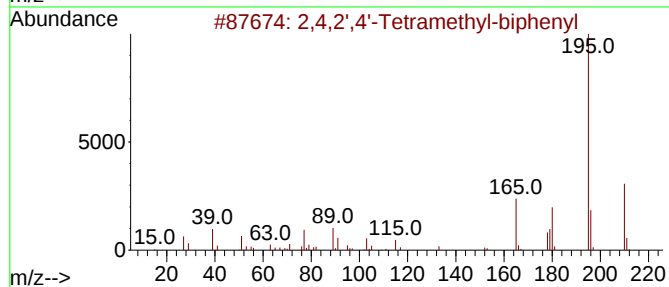
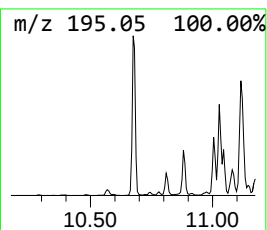
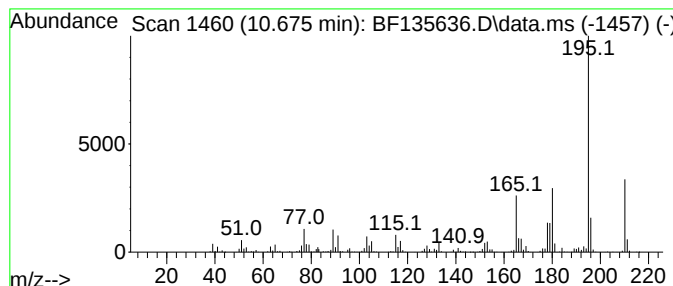
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2,4,2',4'-Tetramethyl-biphenyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	10.88 ng	667288	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,2',4'-Tetramethyl-biphenyl	210	C16H18	1000486-97-7	93		
2	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	62		
3	Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	58		
4	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	52		
5	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	50		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

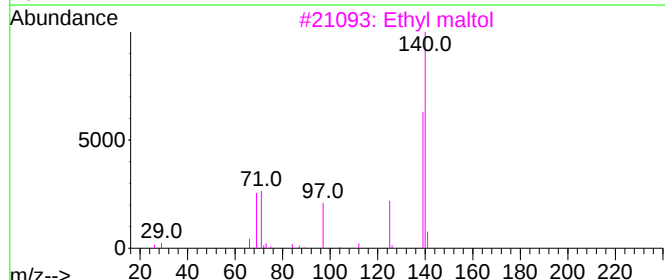
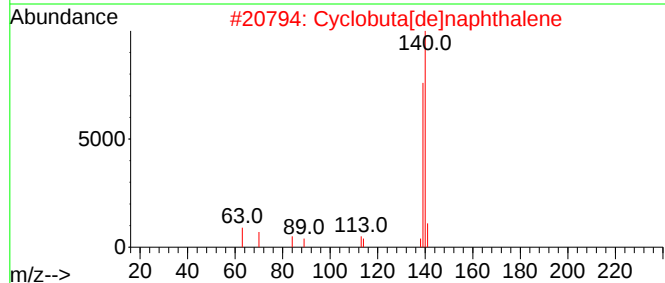
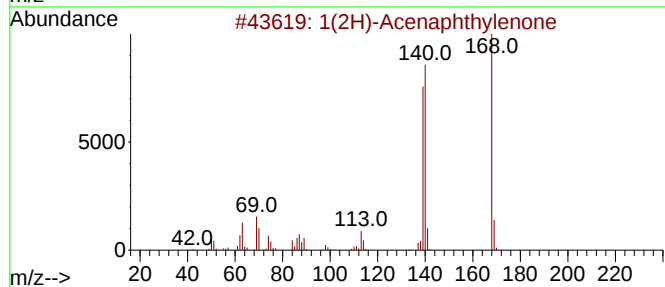
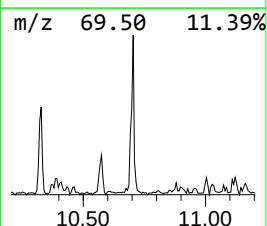
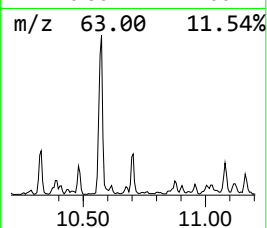
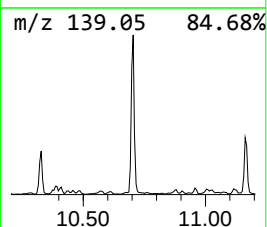
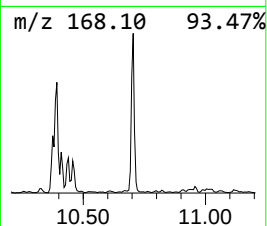
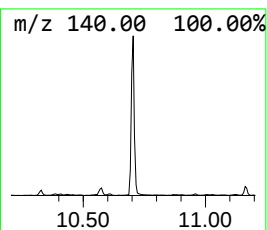
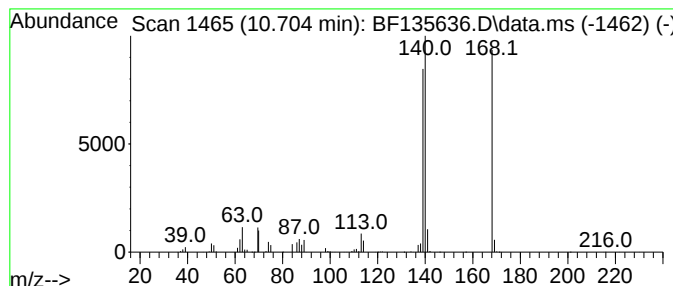
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1(2H)-Acenaphthylenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD			R.T.
10.704	15.52 ng	952248	Phenanthrene-d10			11.275
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone		168	C12H8O	002235-15-6	94
2	Cyclobuta[de]naphthalene		140	C11H8	024973-91-9	58
3	Ethyl maltol		140	C7H8O3	004940-11-8	49
4	Benzaldehyde, 4-fluoro-3-hydroxy-		140	C7H5FO2	103438-85-3	47
5	Benzaldehyde, 2-fluoro-3-hydroxy-		140	C7H5FO2	103438-86-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

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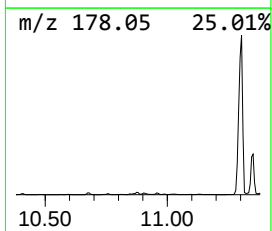
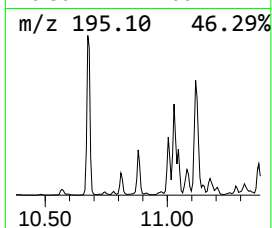
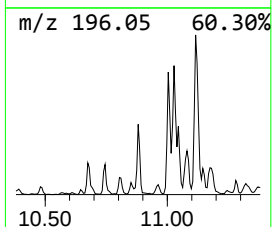
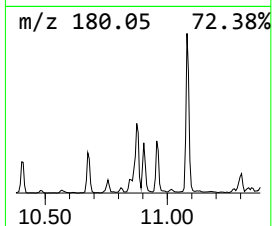
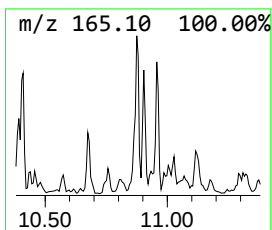
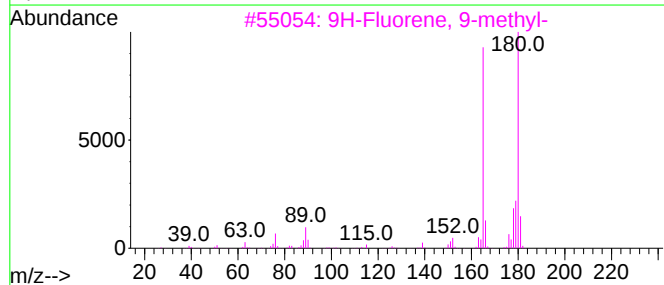
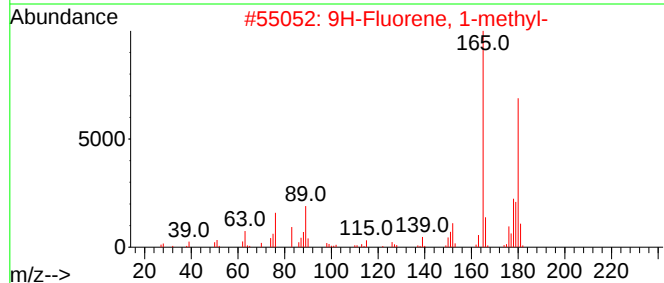
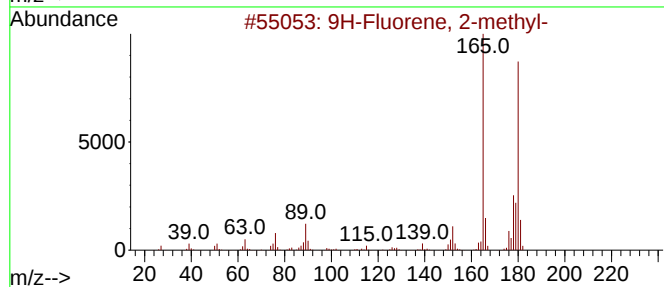
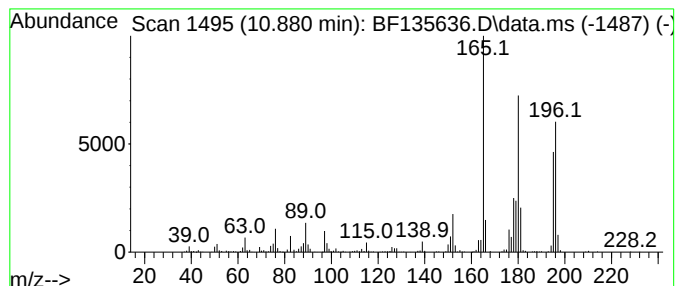
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.881	12.61 ng	773533	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
4			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	50
5			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
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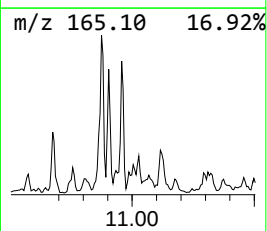
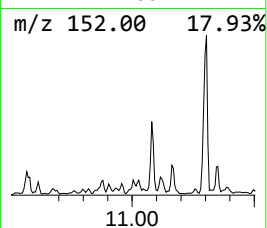
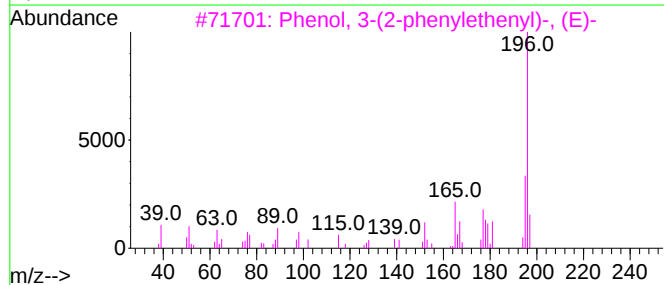
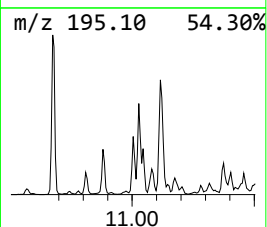
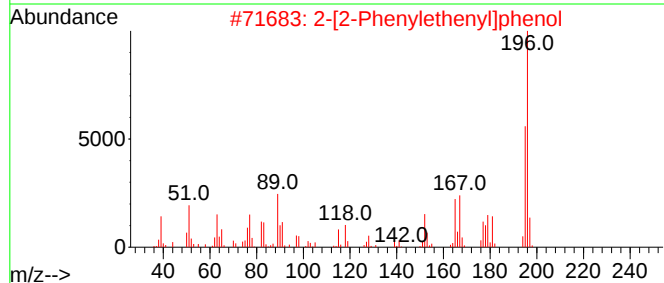
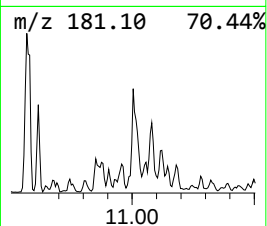
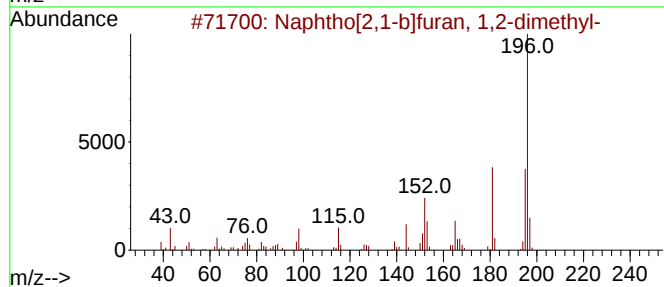
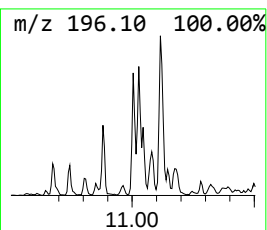
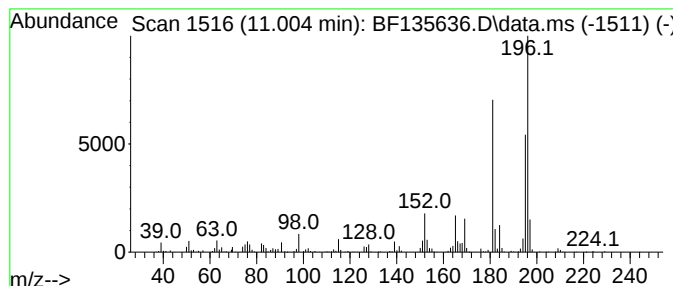
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.004	10.26 ng	629684	Phenanthrene-d10	11.275	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	83
2	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	62
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
4	Pentamethylmelamine	196	C8H16N6	035832-09-8	52
5	phenol, 2-[(ethylamino)methyl]-4...	196	C9H12N2O3	1000400-09-7	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
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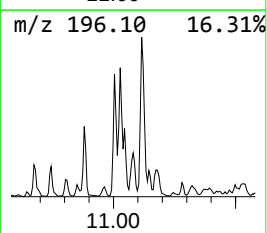
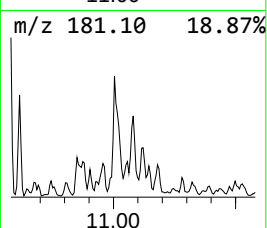
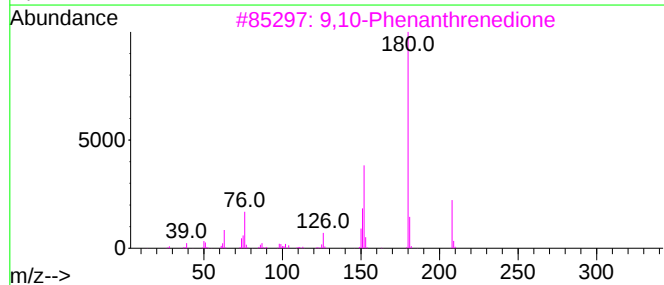
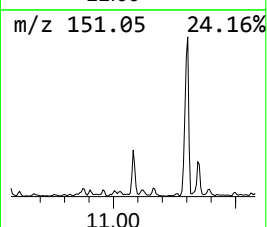
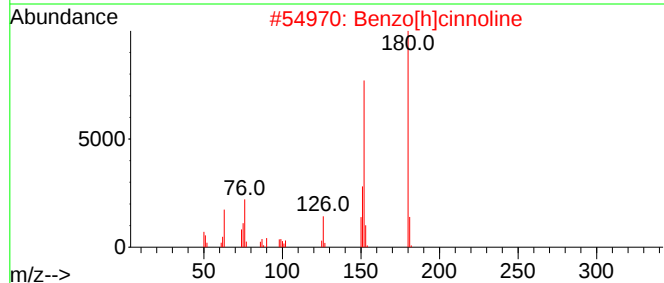
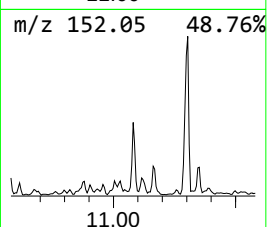
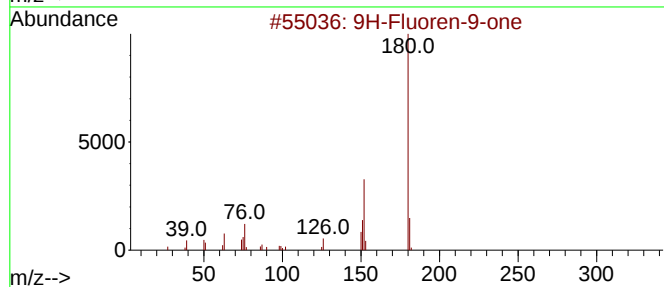
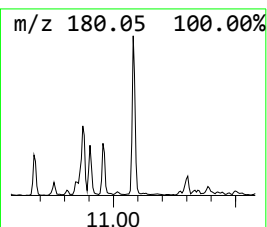
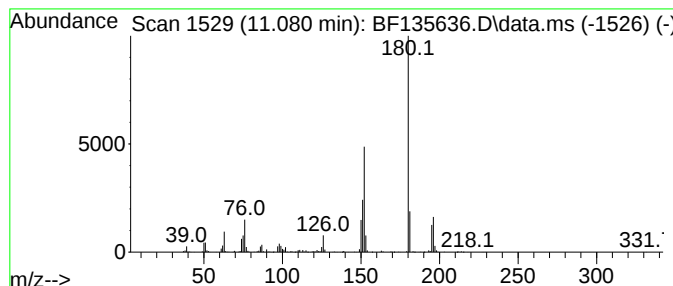
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.081	10.33 ng	633913	Phenanthrene-d10		11.275	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one		180	C13H8O	000486-25-9	93
2	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	90
3	9,10-Phenanthredione		208	C14H8O2	000084-11-7	87
4	1H-Phenalen-1-one		180	C13H8O	000548-39-0	49
5	2,3-Diazaphenanthrene		180	C12H8N2	000229-72-1	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
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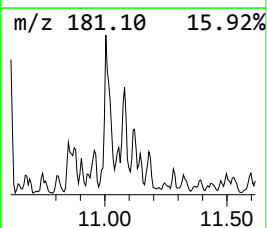
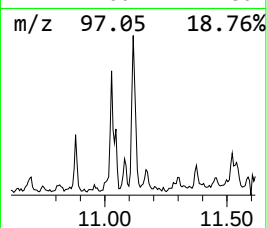
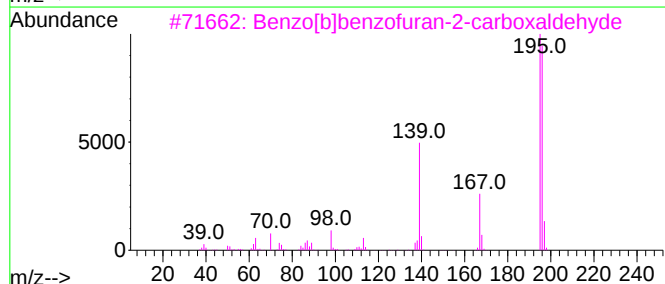
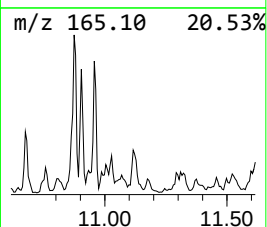
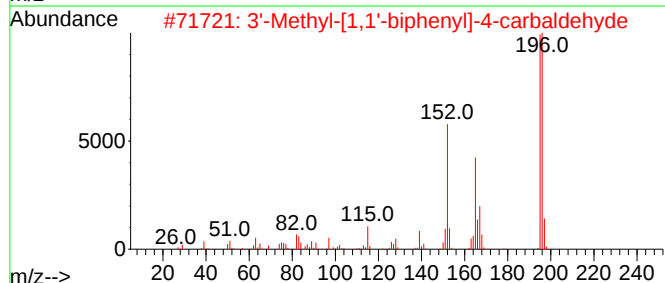
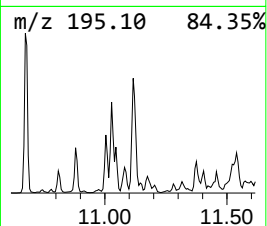
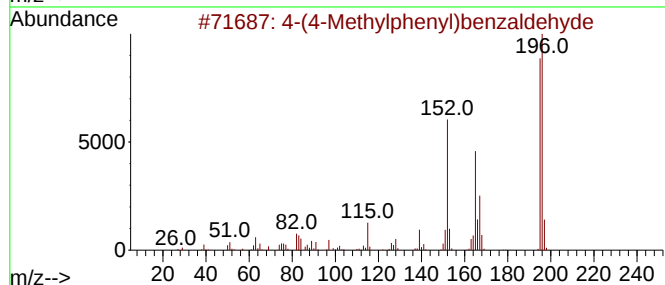
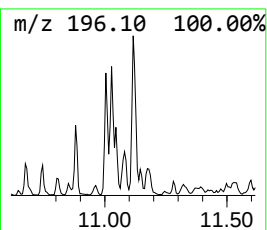
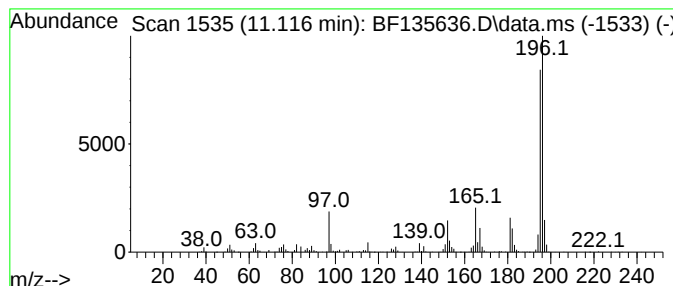
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4-(4-Methylphenyl)benzaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.116	10.94 ng	671215	Phenanthrene-d10			11.275
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
2		3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	87
3		Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	68
4		Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	64
5		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
72-11939

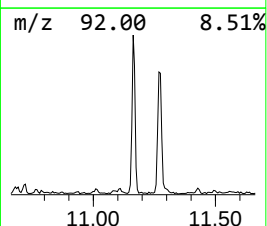
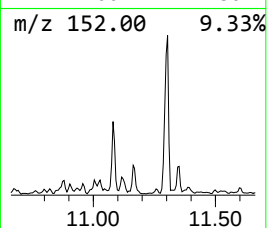
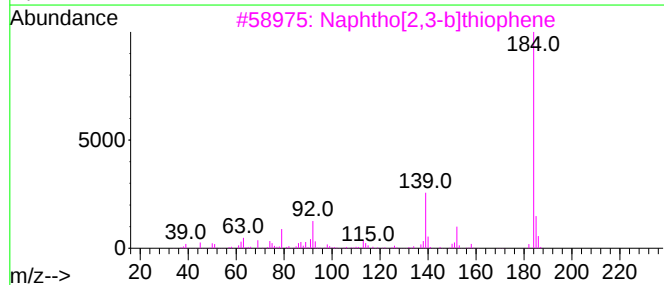
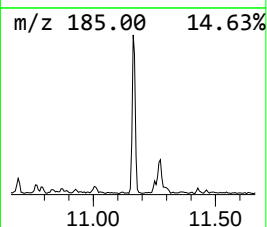
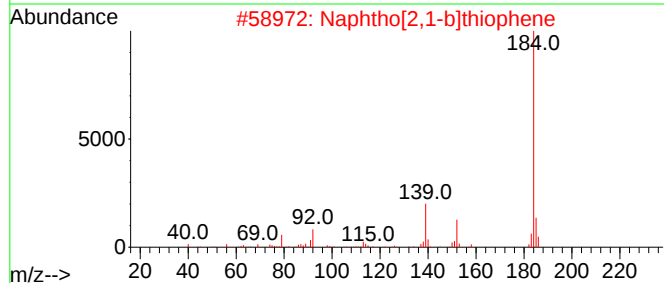
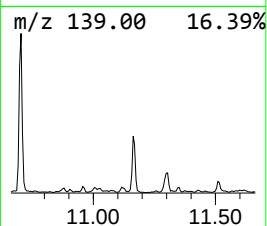
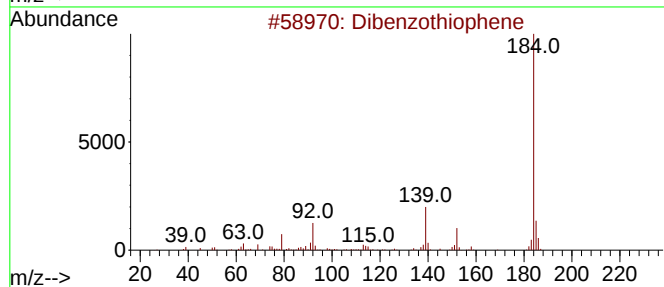
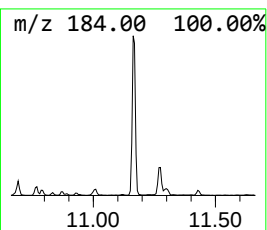
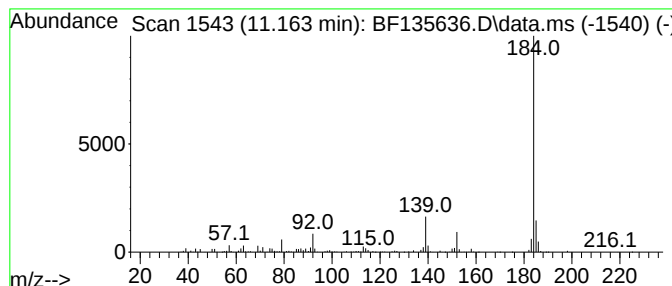
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	16.73 ng	1026500	Phenanthrene-d10	11.275

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	96
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
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Instrument :
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ClientSampleId :
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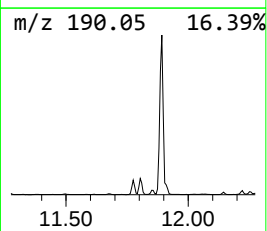
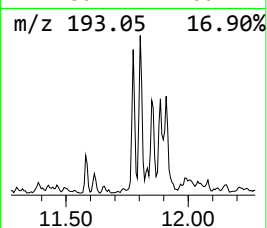
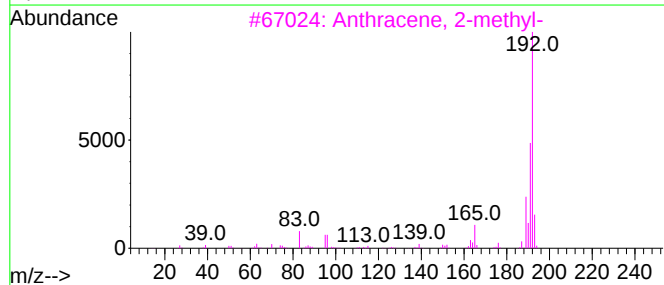
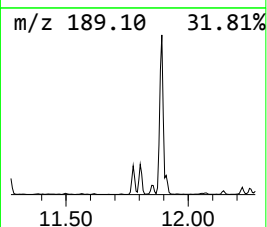
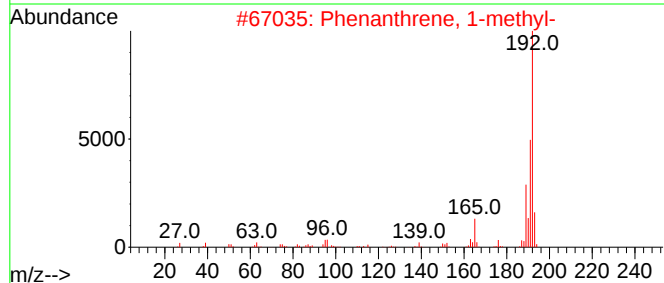
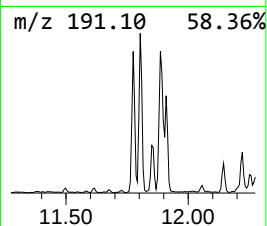
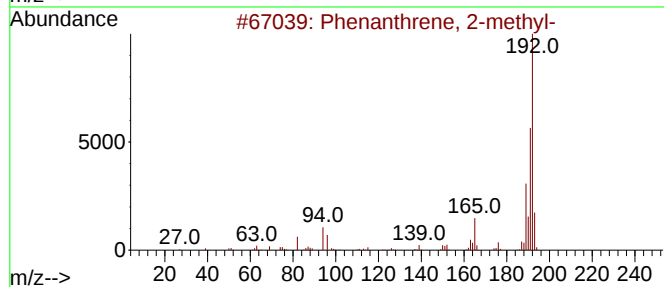
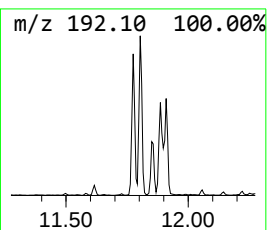
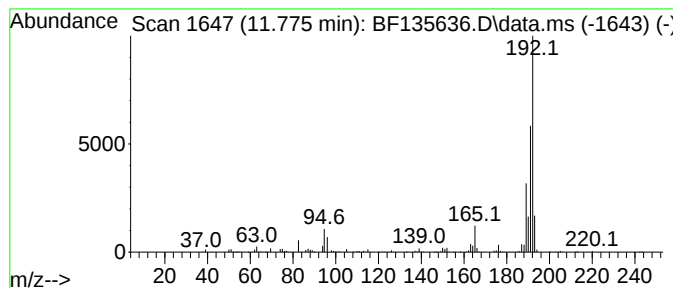
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	16.26 ng	997460	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

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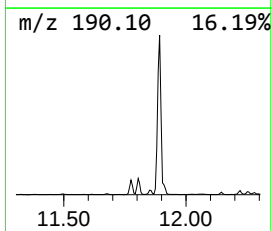
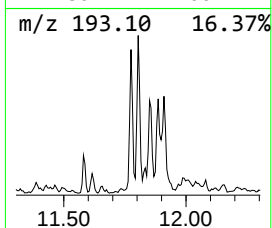
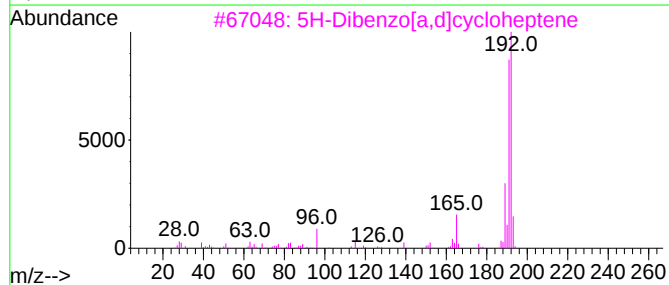
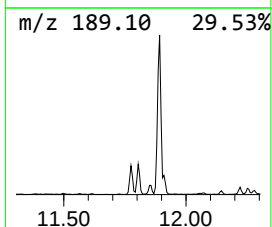
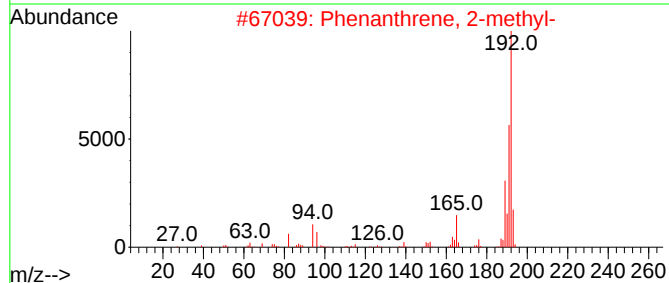
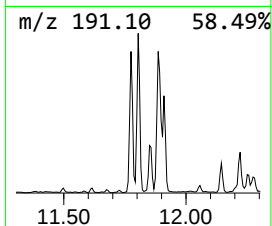
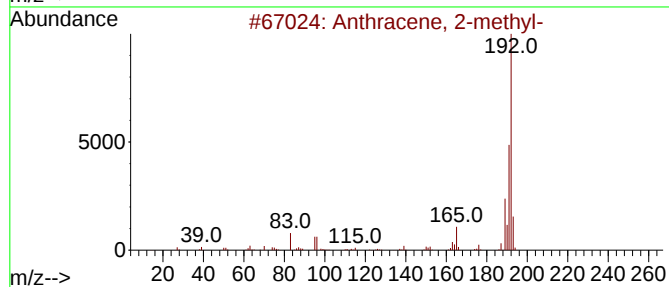
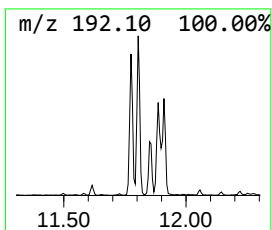
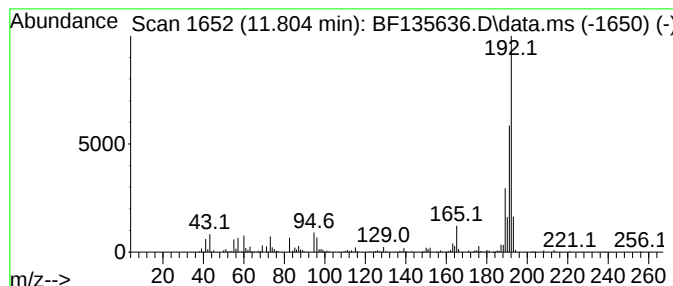
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	22.10 ng	1356030	Phenanthrene-d10	11.275

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
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Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
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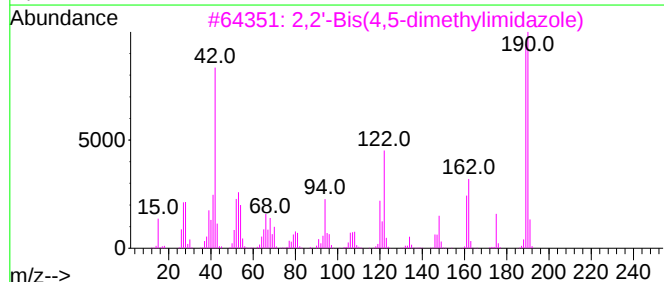
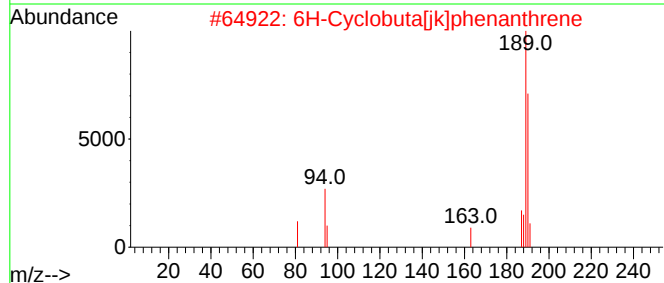
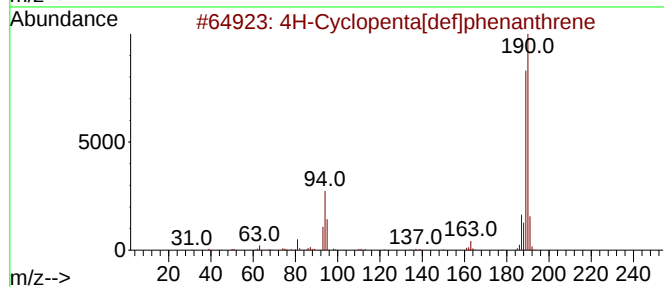
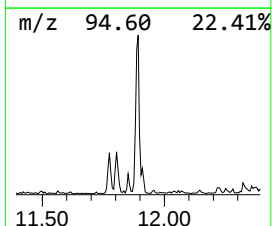
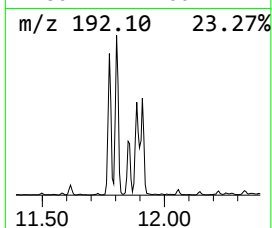
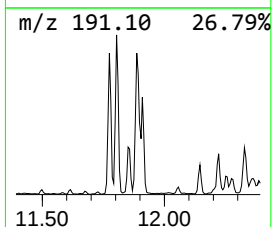
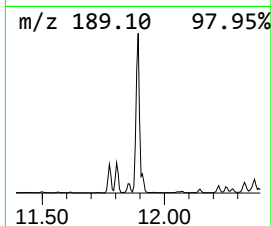
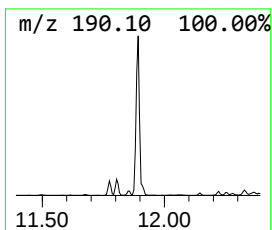
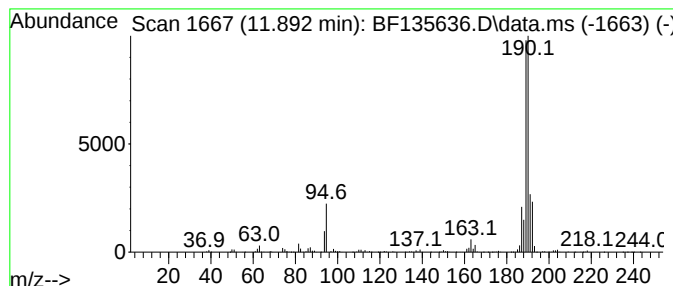
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.892	42.56 ng	2611540	Phenanthrene-d10	11.275	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	Methyl diselenide	190	C2H6Se2	007101-31-7	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
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Misc :
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ClientSampleId :
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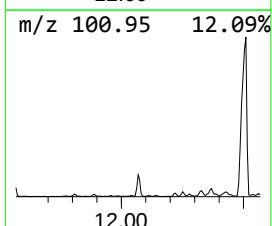
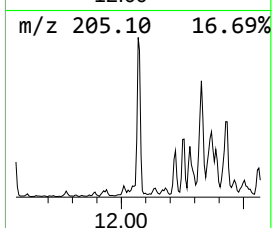
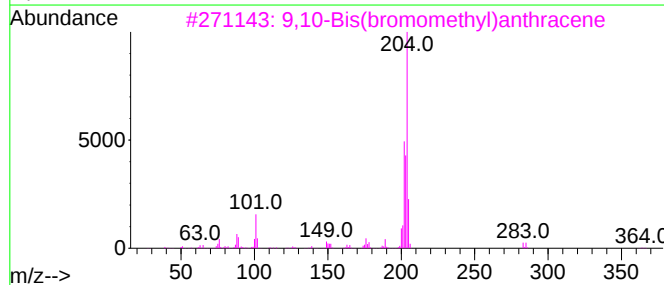
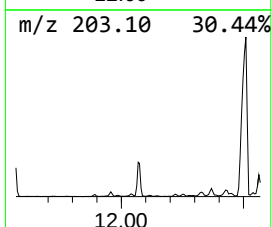
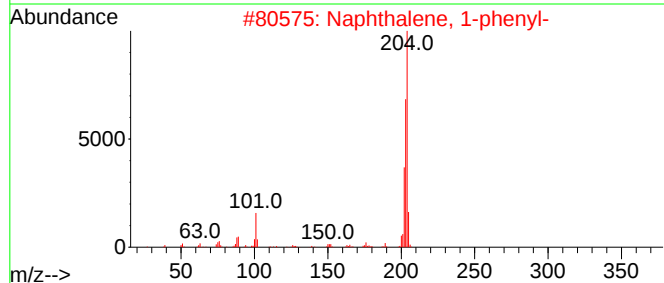
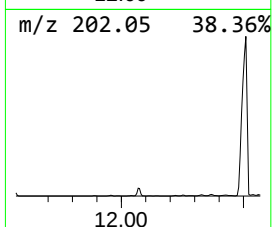
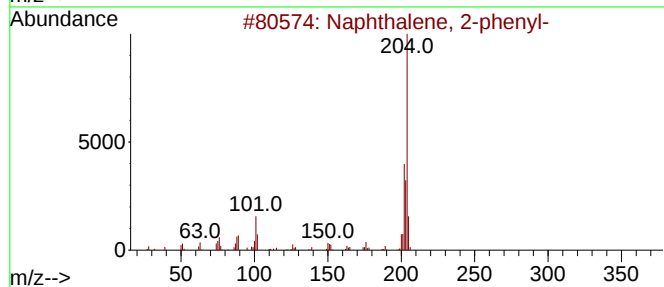
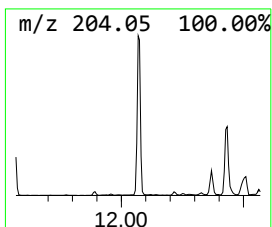
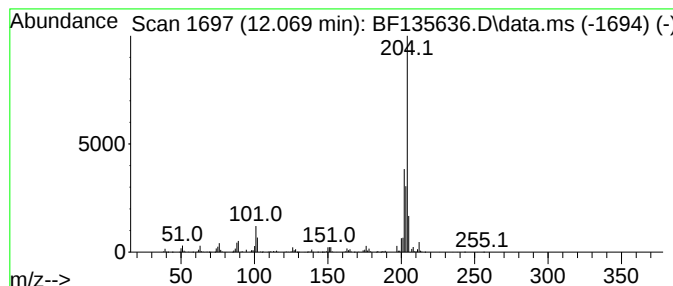
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	15.26 ng	936255	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
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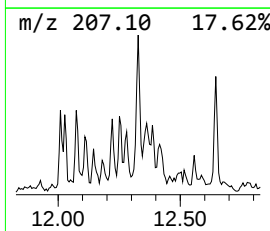
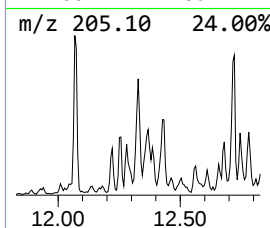
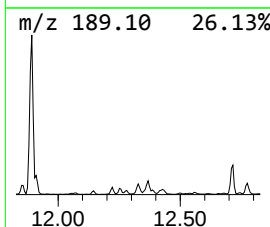
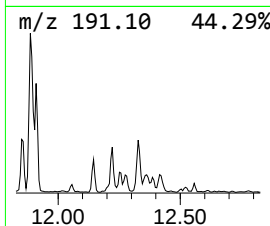
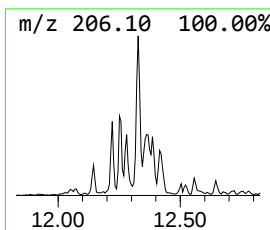
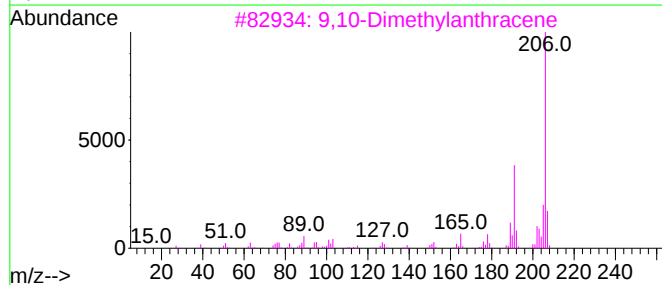
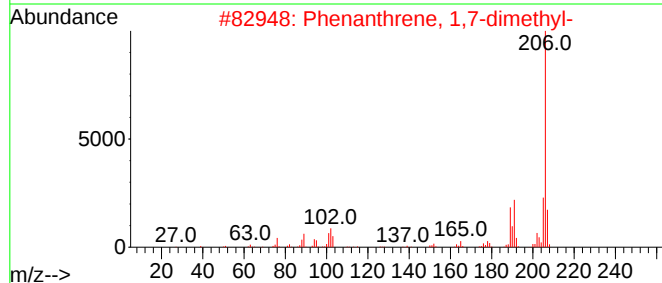
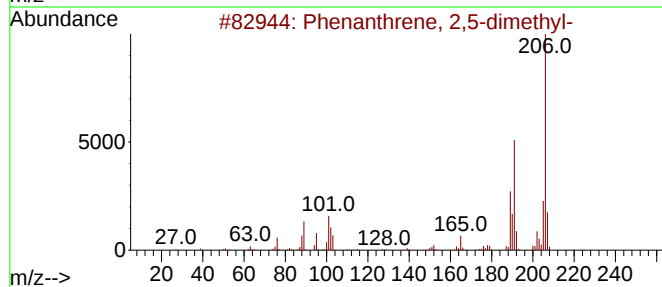
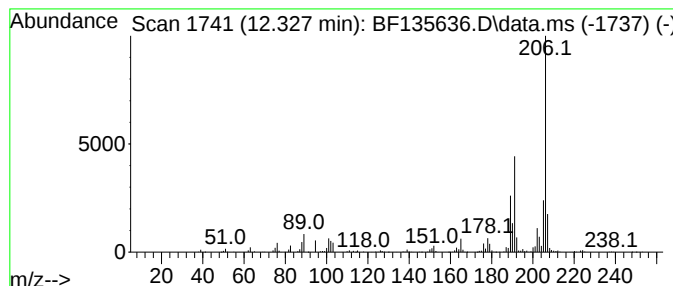
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	9.65 ng	591857	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11939

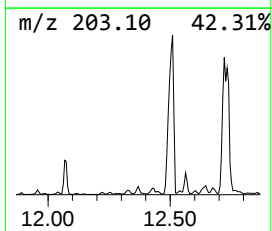
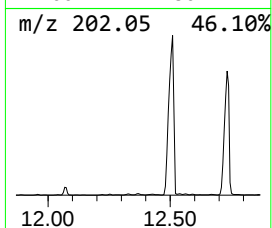
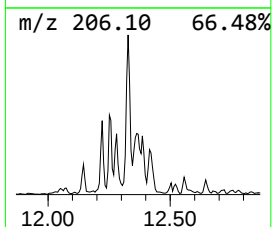
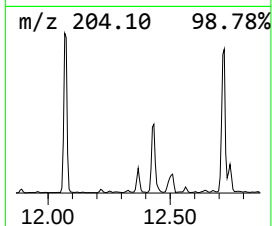
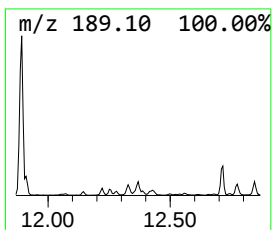
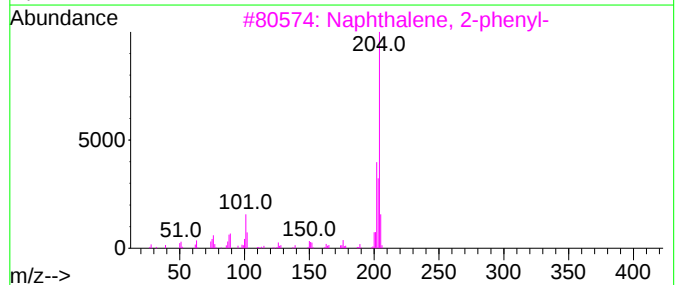
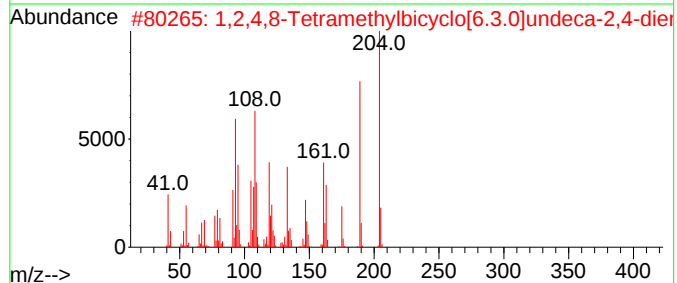
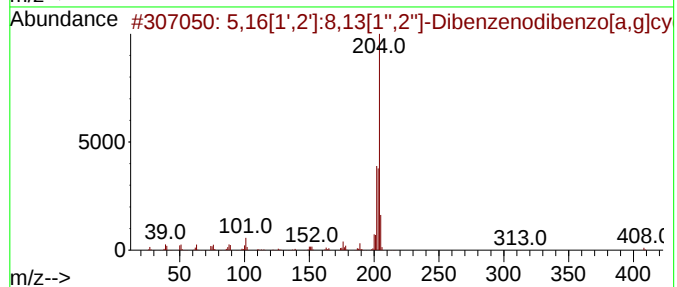
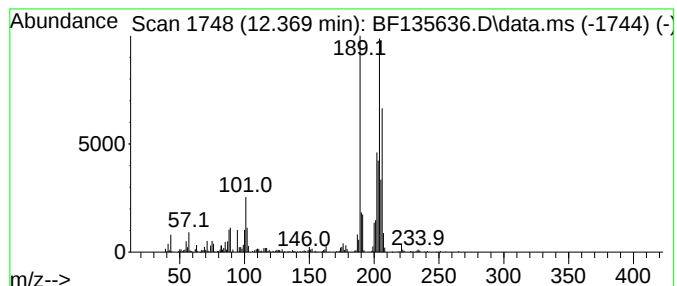
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.369 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	8.80 ng	539689	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:	8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43	
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43		
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38		
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30		
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	25		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

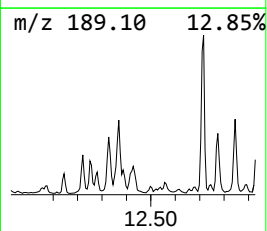
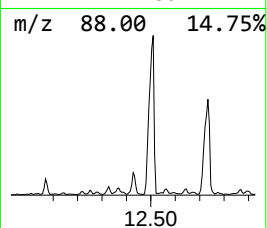
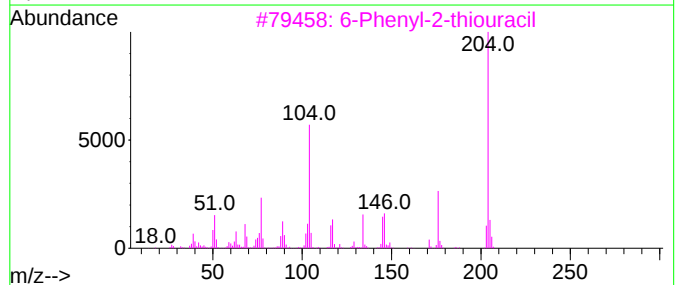
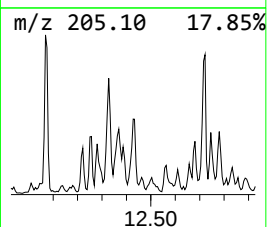
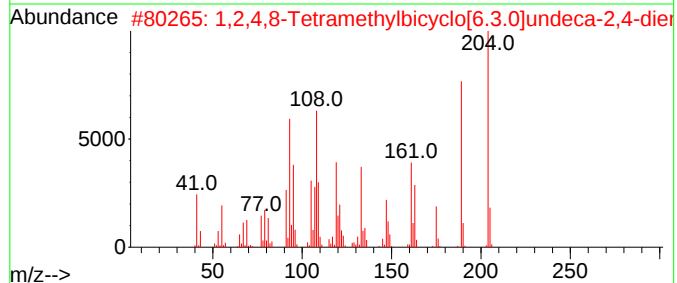
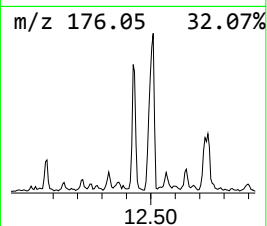
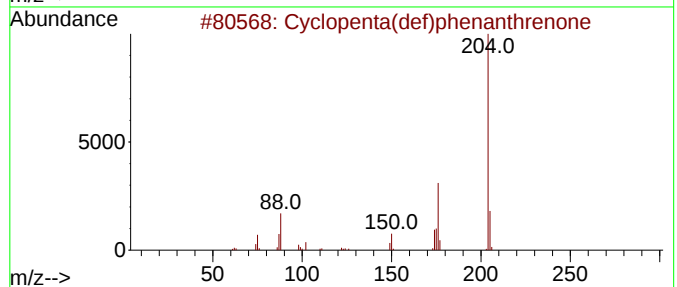
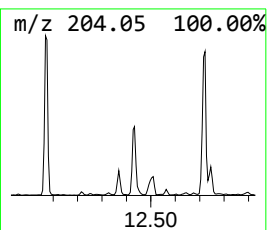
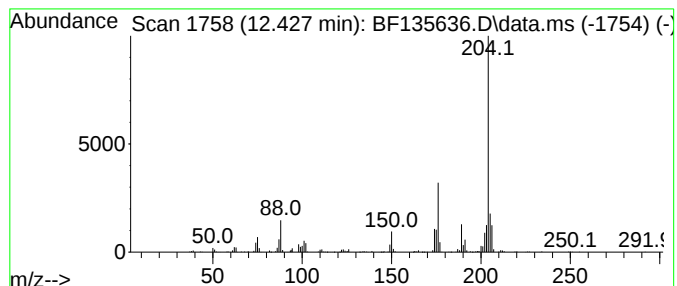
Instrument :
BNA_F
ClientSampleId :
72-11939

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 18 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	10.55 ng	647050	Phenanthrene-d10	11.275
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta(def)phenanthrenone	204 C15H8O	005737-13-3 96
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204 C15H24	137235-51-9 53
3		6-Phenyl-2-thiouracil	204 C10H8N2OS	005590-94-3 53
4		3,4-Biphenyldicarbonitrile	204 C14H8N2	004128-63-6 53
5		5,6,7,8-Tetrahydrothieno[2,3-b]q...	204 C11H12N2S	122914-50-5 50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11939

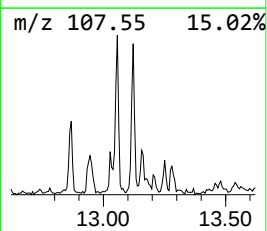
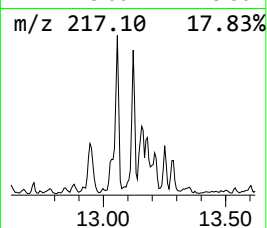
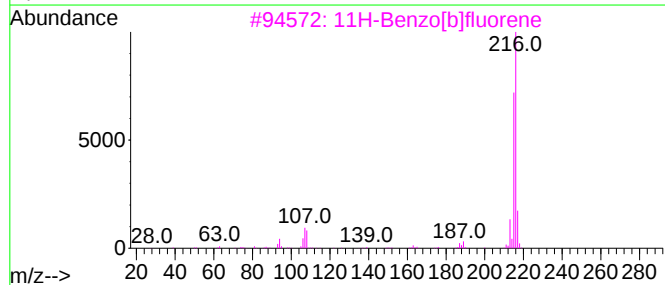
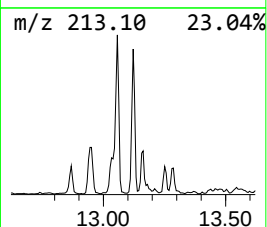
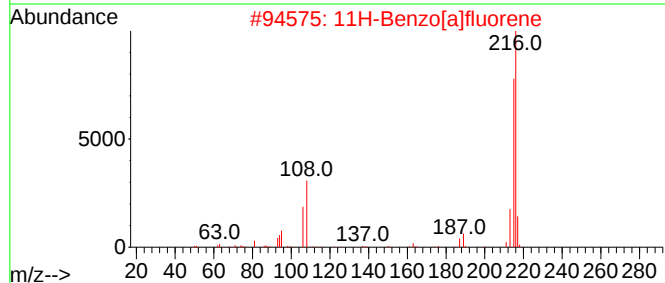
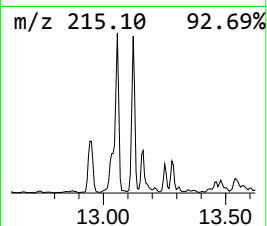
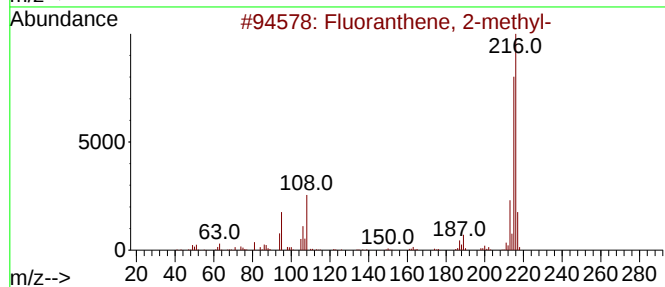
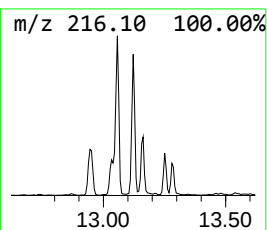
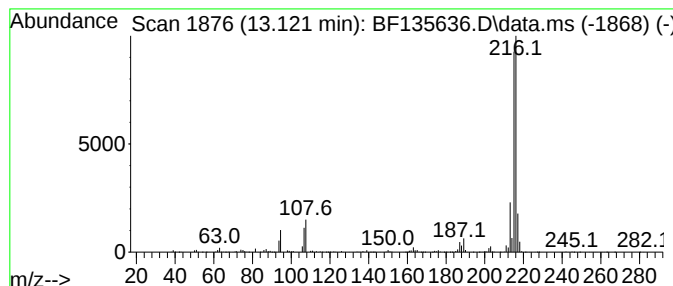
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	7.70 ng	1187690	Chrysene-d12	13.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
5			Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
72-11939

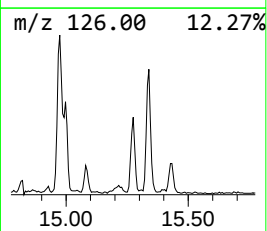
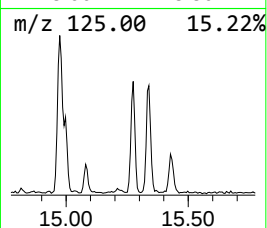
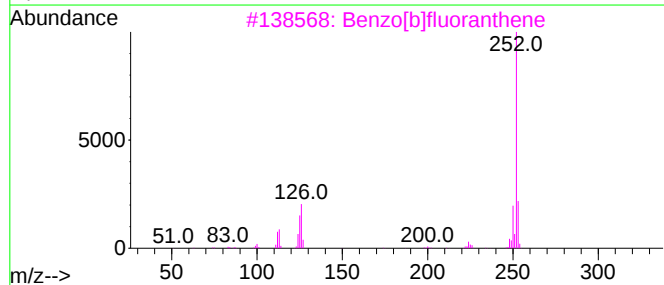
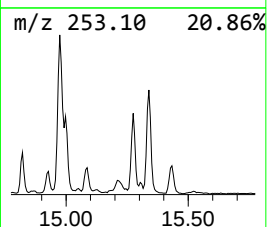
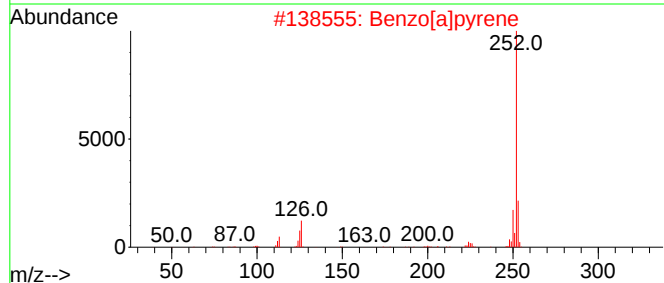
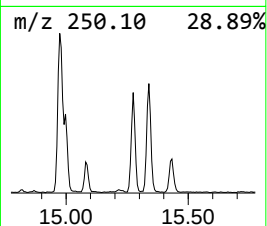
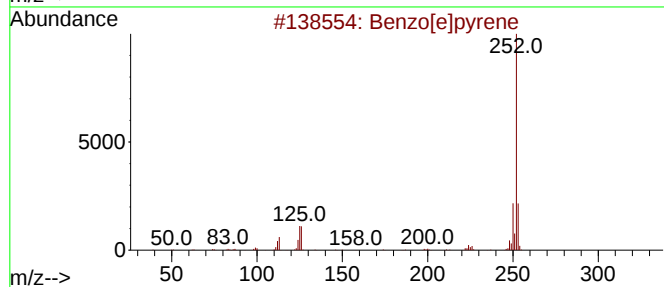
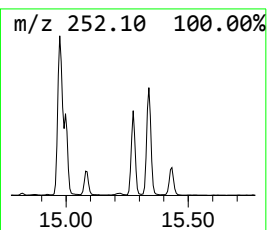
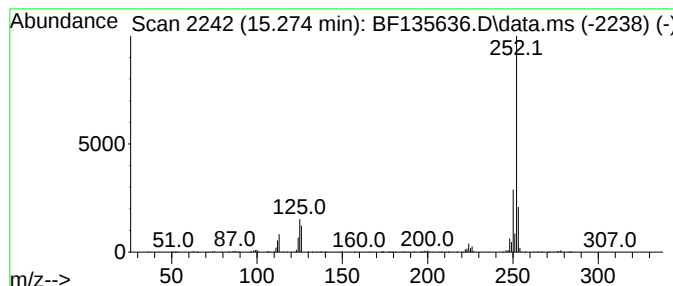
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.274	17.39 ng	616131	Perylene-d12	15.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[a]pyrene	252	C20H12	000050-32-8	96
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5			Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135636.D
Acq On : 06 Oct 2023 18:57
Operator : CG\JU
Sample : 04736-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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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\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.981	100.5	ng	4569340	1	6.740	908930	20.0
1H-Inden-1-one,...	8.616	8.3	ng	498106	2	8.016	1194960	20.0
1-Isopropenylna...	10.392	13.6	ng	913459	3	9.775	1347820	20.0
2,4,6-Cyclohept...	10.480	11.7	ng	789818	3	9.775	1347820	20.0
2,4,2',4'-Tetra...	10.675	10.9	ng	667288	4	11.275	1227150	20.0
1(2H)-Acenaphth...	10.704	15.5	ng	952248	4	11.275	1227150	20.0
9H-Fluorene, 2-...	10.881	12.6	ng	773533	4	11.275	1227150	20.0
Naphtho[2,1-b]f...	11.004	10.3	ng	629684	4	11.275	1227150	20.0
9H-Fluoren-9-one	11.081	10.3	ng	633913	4	11.275	1227150	20.0
4-(4-Methylphen...	11.116	10.9	ng	671215	4	11.275	1227150	20.0
Dibenzothiophene	11.163	16.7	ng	1026500	4	11.275	1227150	20.0
Phenanthrene, 2...	11.775	16.3	ng	997460	4	11.275	1227150	20.0
Anthracene, 2-m...	11.804	22.1	ng	1356030	4	11.275	1227150	20.0
4H-Cyclopenta[d...	11.892	42.6	ng	2611540	4	11.275	1227150	20.0
Naphthalene, 2-...	12.069	15.3	ng	936255	4	11.275	1227150	20.0
Phenanthrene, 2...	12.327	9.7	ng	591857	4	11.275	1227150	20.0
unknown12.369	12.369	8.8	ng	539689	4	11.275	1227150	20.0
Cyclopenta(def)...	12.427	10.6	ng	647050	4	11.275	1227150	20.0
Fluoranthene, 2...	13.121	7.7	ng	1187690	5	13.933	3085660	20.0
Benzo[e]pyrene	15.274	17.4	ng	616131	6	15.398	708486	20.0