

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123996.D
 Acq On : 19 May 2021 18:22
 Operator : JU/CG
 Sample : M2437-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	4	9	16	rBV	103336	126418	12.01%	0.980%
2	5.510	577	582	588	rBV	204904	177978	16.90%	1.379%
3	6.516	749	753	758	rVB	246600	192317	18.26%	1.490%
4	6.904	815	819	822	rBV	432131	319388	30.33%	2.475%
5	7.457	910	913	918	rBV	159273	131188	12.46%	1.017%
6	8.187	1034	1037	1040	rBV	529034	416988	39.60%	3.232%
7	9.263	1216	1220	1223	rBV	253465	205584	19.52%	1.593%
8	9.804	1309	1312	1316	rBV	51982	46321	4.40%	0.359%
9	9.945	1332	1336	1339	rBV	568364	473571	44.97%	3.670%
10	9.975	1339	1341	1345	rVB	37988	30806	2.93%	0.239%
11	10.145	1365	1370	1374	rBV2	22578	17827	1.69%	0.138%
12	10.492	1425	1429	1432	rVB	27442	26311	2.50%	0.204%
13	10.728	1465	1469	1473	rBV	153127	133336	12.66%	1.033%
14	11.233	1552	1555	1559	rVB	25207	24887	2.36%	0.193%
15	11.328	1568	1571	1574	rVB	28022	22642	2.15%	0.175%
16	11.428	1585	1588	1590	rBV	488699	446834	42.44%	3.463%
17	11.457	1590	1593	1596	rVV	514480	472508	44.87%	3.662%
18	11.504	1599	1601	1604	rVV	110740	81633	7.75%	0.633%
19	11.657	1622	1627	1629	rBV2	49450	49074	4.66%	0.380%
20	11.722	1634	1638	1641	rVV3	22051	22841	2.17%	0.177%
21	11.763	1641	1645	1649	rVB4	15058	18238	1.73%	0.141%
22	11.933	1668	1674	1676	rVV	77233	83432	7.92%	0.647%
23	11.957	1676	1678	1683	rVB	118048	101384	9.63%	0.786%
24	12.004	1683	1686	1689	rBV	38657	35301	3.35%	0.274%
25	12.045	1689	1693	1695	rVV2	121844	131282	12.47%	1.017%
26	12.063	1695	1696	1699	rVB	59704	43788	4.16%	0.339%
27	12.227	1720	1724	1726	rBV	66843	62850	5.97%	0.487%
28	12.245	1726	1727	1731	rVB	75638	57781	5.49%	0.448%
29	12.375	1747	1749	1752	rBV2	29603	21167	2.01%	0.164%
30	12.433	1756	1759	1761	rVB3	20405	18248	1.73%	0.141%
31	12.480	1763	1767	1770	rBV2	61892	66620	6.33%	0.516%
32	12.522	1770	1774	1776	rVV3	36153	45074	4.28%	0.349%
33	12.563	1779	1781	1787	rVB3	57724	67811	6.44%	0.526%
34	12.645	1791	1795	1799	rVV	1078136	1008531	95.78%	7.816%
35	12.692	1799	1803	1804	rVV4	16452	19281	1.83%	0.149%
36	12.704	1804	1805	1808	rVV3	25800	20492	1.95%	0.159%

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37	12.739	1808	1811	1813	rVB	36339	27424	2.60%	0.213%
38	12.775	1813	1817	1818	rBV4	26422	33151	3.15%	0.257%
39	12.792	1818	1820	1824	rVV	39090	45898	4.36%	0.356%
40	12.875	1828	1834	1839	rBV	1006446	1052975	100.00%	8.160%

41	12.922	1839	1842	1848	rVB3	45511	53884	5.12%	0.418%
42	12.992	1850	1854	1855	rBV	53205	48644	4.62%	0.377%
43	13.010	1855	1857	1864	rVB2	219632	251161	23.85%	1.946%
44	13.092	1865	1871	1874	rBV2	62765	109491	10.40%	0.849%
45	13.174	1882	1885	1887	rVV2	64014	77918	7.40%	0.604%

46	13.198	1887	1889	1892	rVB	119917	104317	9.91%	0.808%
47	13.269	1898	1901	1903	rVV	71432	64167	6.09%	0.497%
48	13.304	1903	1907	1910	rVV2	103767	117985	11.20%	0.914%
49	13.333	1910	1912	1915	rVV3	22115	22340	2.12%	0.173%
50	13.363	1915	1917	1920	rVV3	22875	31957	3.03%	0.248%

51	13.398	1920	1923	1925	rVV	60757	52359	4.97%	0.406%
52	13.427	1925	1928	1932	rVV3	65858	70454	6.69%	0.546%
53	13.463	1932	1934	1938	rVV5	13231	18772	1.78%	0.145%
54	13.504	1938	1941	1945	rVB5	18191	26255	2.49%	0.203%
55	13.586	1951	1955	1957	rBV5	25301	40736	3.87%	0.316%

56	13.704	1969	1975	1980	rBV	84693	110560	10.50%	0.857%
57	13.822	1990	1995	1998	rVV2	81081	123899	11.77%	0.960%
58	13.851	1998	2000	2002	rVV	88528	80196	7.62%	0.622%
59	13.874	2002	2004	2008	rVV2	81895	114391	10.86%	0.887%
60	13.916	2008	2011	2017	rVB	116414	130315	12.38%	1.010%

61	13.986	2021	2023	2029	rVV3	19197	30378	2.88%	0.235%
62	14.069	2029	2037	2040	rVV3	678955	963194	91.47%	7.465%
63	14.098	2040	2042	2049	rVV	458008	429779	40.82%	3.331%
64	14.180	2053	2056	2058	rVV	72730	61777	5.87%	0.479%
65	14.210	2059	2061	2063	rVV2	36409	34287	3.26%	0.266%

66	14.257	2067	2069	2072	rVV2	37637	36333	3.45%	0.282%
67	14.298	2072	2076	2079	rVV2	47481	72877	6.92%	0.565%
68	14.333	2079	2082	2083	rVB2	23534	22055	2.09%	0.171%
69	14.392	2089	2092	2094	rBV4	25606	33159	3.15%	0.257%
70	14.421	2095	2097	2099	rVV3	38666	35853	3.40%	0.278%

71	14.457	2099	2103	2106	rVV	104990	116459	11.06%	0.903%
72	14.492	2106	2109	2113	rVB2	67318	65810	6.25%	0.510%
73	14.551	2113	2119	2122	rBV5	52093	79063	7.51%	0.613%
74	14.580	2122	2124	2127	rVV3	37516	42968	4.08%	0.333%
75	14.604	2127	2128	2132	rVB4	42288	34654	3.29%	0.269%

76	14.645	2132	2135	2136	rBV3	21397	19040	1.81%	0.148%
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77	14.763	2153	2155	2159	rBV5	26785	37276	3.54%	0.289%
78	14.804	2159	2162	2167	rVB7	23424	31522	2.99%	0.244%
79	14.851	2167	2170	2175	rBV6	25556	36965	3.51%	0.286%
80	14.963	2183	2189	2194	rVB5	30839	65539	6.22%	0.508%
81	15.033	2197	2201	2203	rBV5	27418	32059	3.04%	0.248%
82	15.133	2212	2218	2221	rBV	335374	588557	55.89%	4.561%
83	15.204	2228	2230	2233	rVB3	21255	19386	1.84%	0.150%
84	15.239	2233	2236	2240	rVB2	79731	86459	8.21%	0.670%
85	15.327	2248	2251	2253	rBV4	28441	34089	3.24%	0.264%
86	15.439	2264	2270	2276	rVB	215226	281488	26.73%	2.181%
87	15.504	2276	2281	2287	rVB	294867	378721	35.97%	2.935%
88	15.568	2287	2292	2295	rBV	241118	320551	30.44%	2.484%
89	15.598	2295	2297	2304	rVB2	99726	123065	11.69%	0.954%
90	16.010	2364	2367	2372	rBV6	12240	19879	1.89%	0.154%
91	16.051	2372	2374	2379	rVV6	19022	26670	2.53%	0.207%
92	16.139	2385	2389	2394	rBV7	16249	20502	1.95%	0.159%
93	16.498	2446	2450	2458	rVB10	11010	21970	2.09%	0.170%
94	16.898	2507	2518	2525	rBV9	29268	105621	10.03%	0.819%
95	17.068	2542	2547	2554	rVB2	116474	237612	22.57%	1.841%
96	17.157	2557	2562	2565	rBV6	12583	20643	1.96%	0.160%
97	17.257	2576	2579	2583	rVB3	24348	37621	3.57%	0.292%
98	17.310	2583	2588	2592	rBV7	22465	46554	4.42%	0.361%
99	17.521	2619	2624	2632	rBV2	82338	166198	15.78%	1.288%
100	17.768	2661	2666	2672	rBV4	26540	57945	5.50%	0.449%

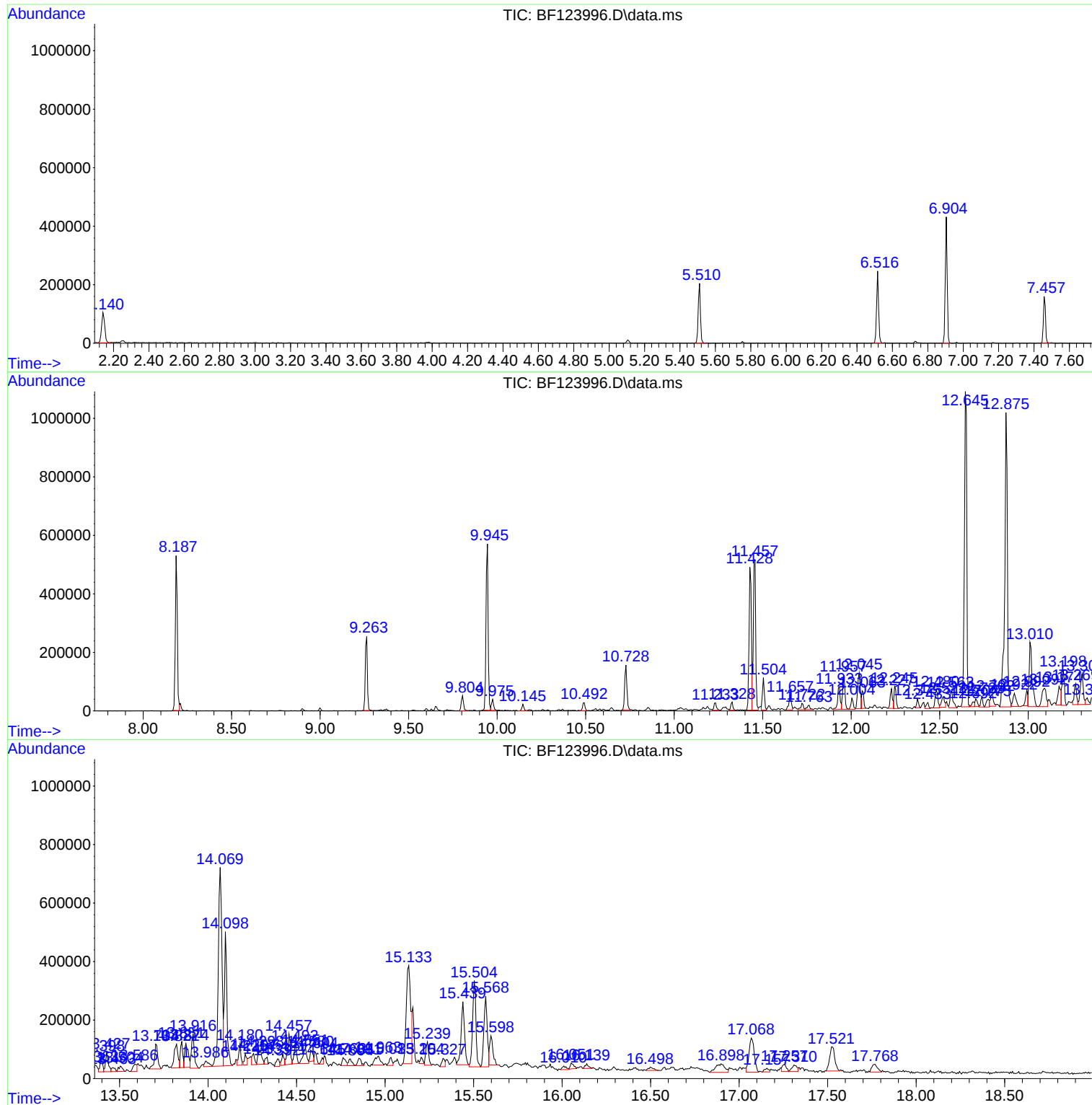
Sum of corrected areas: 12903559

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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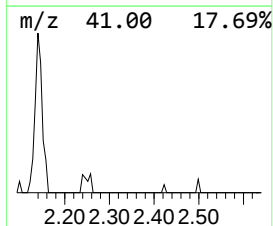
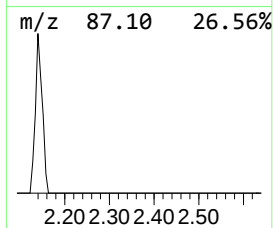
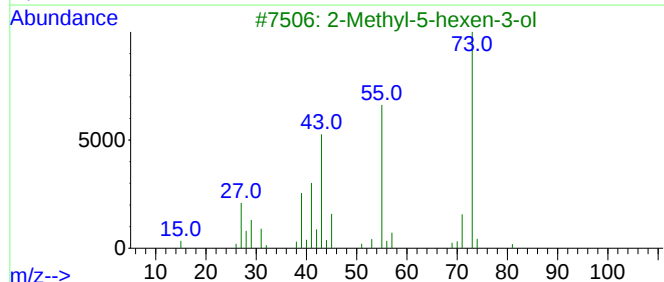
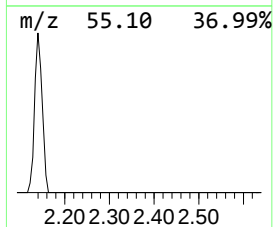
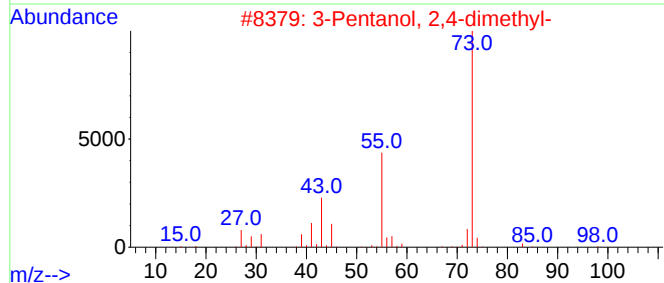
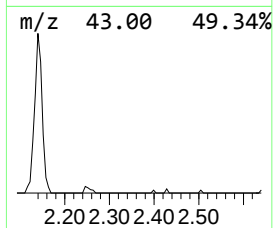
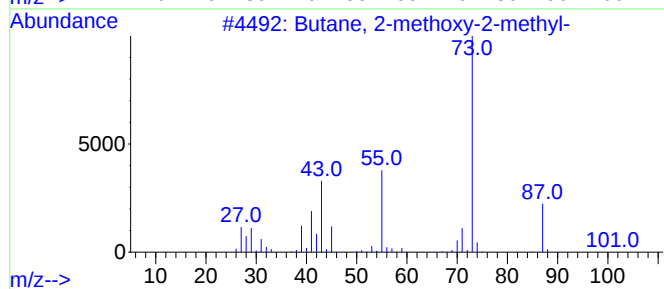
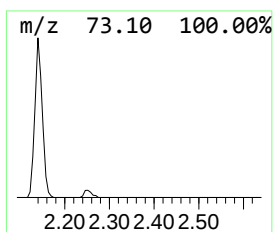
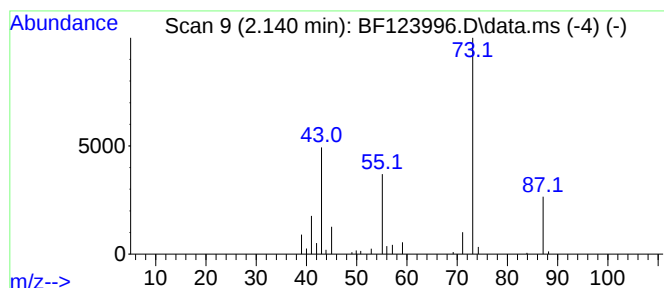
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	7.92 ng	126418	1,4-Dichlorobenzene-d4	6.904

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
3			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	17
4			Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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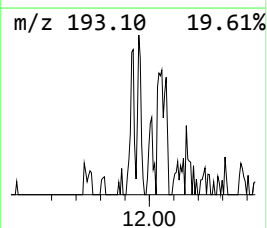
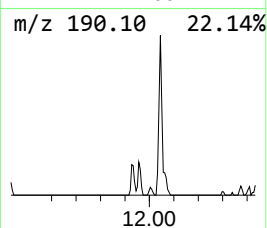
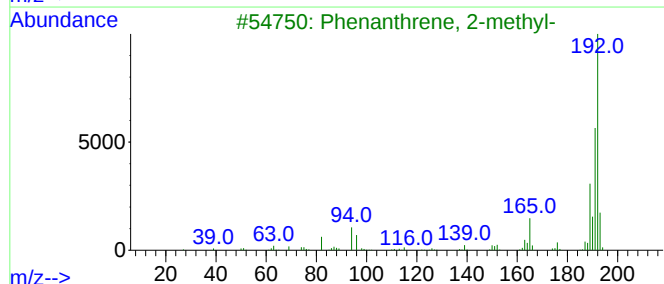
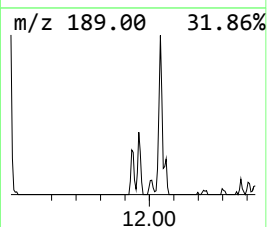
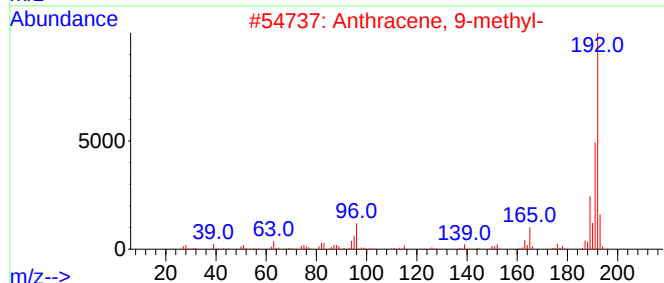
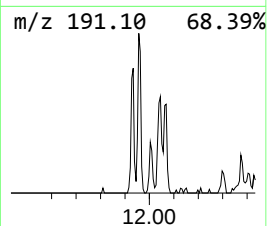
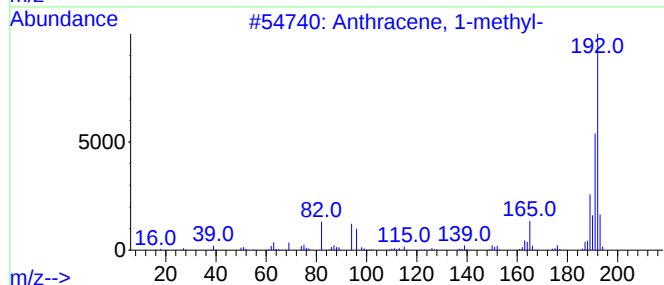
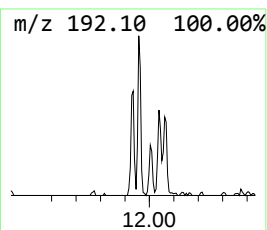
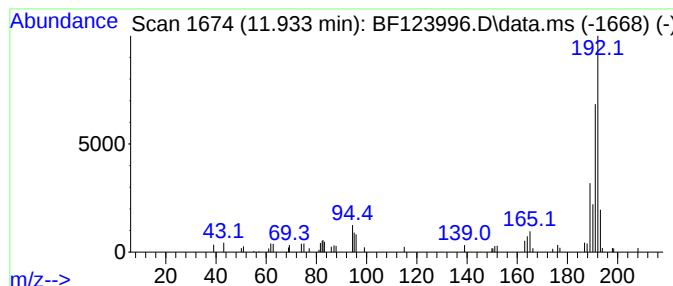
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	3.73 ng	83432	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	76
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	76



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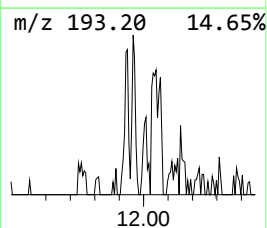
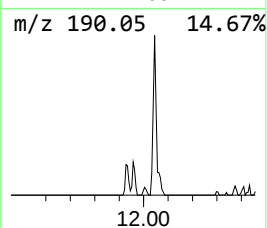
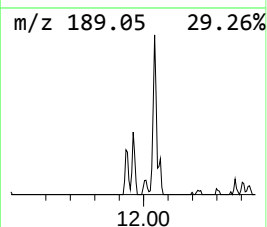
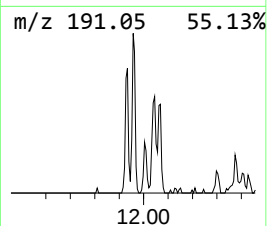
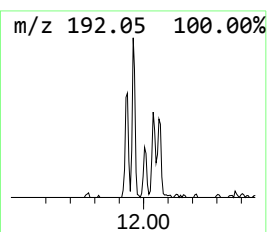
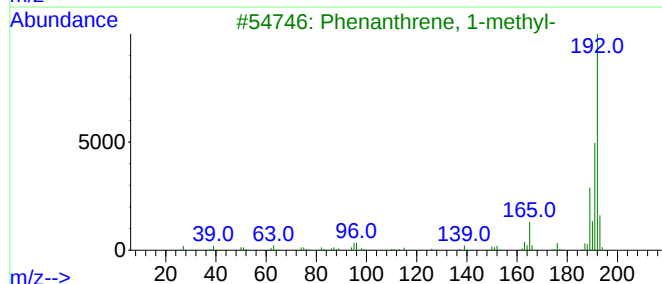
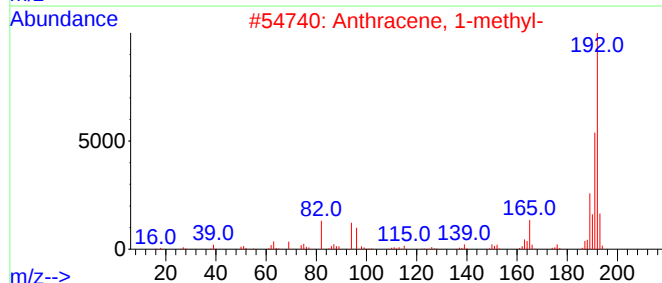
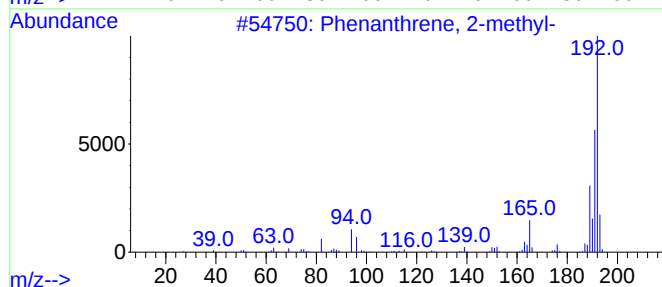
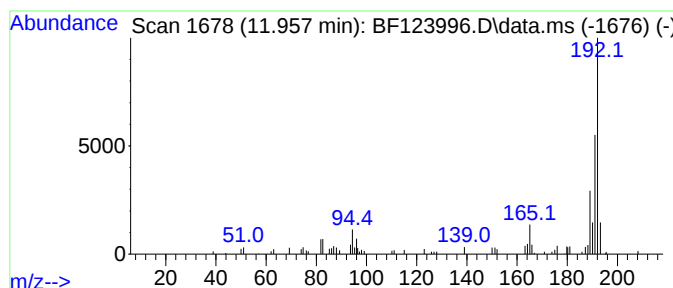
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	4.54 ng	101384	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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Data File : BF123996.D
Acq On : 19 May 2021 18:22
Operator : JU/CG
Sample : M2437-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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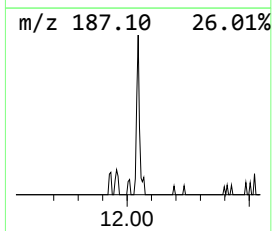
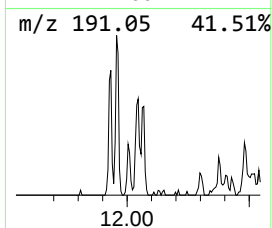
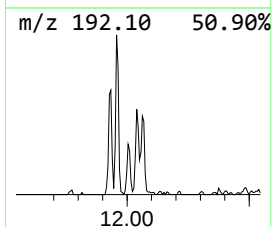
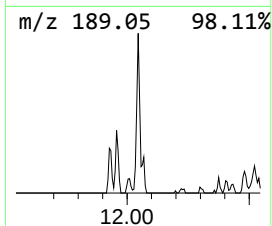
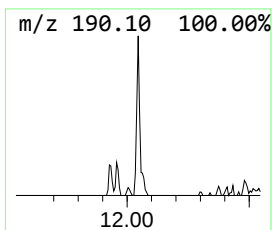
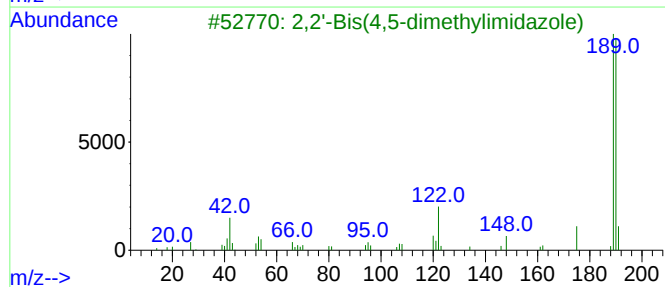
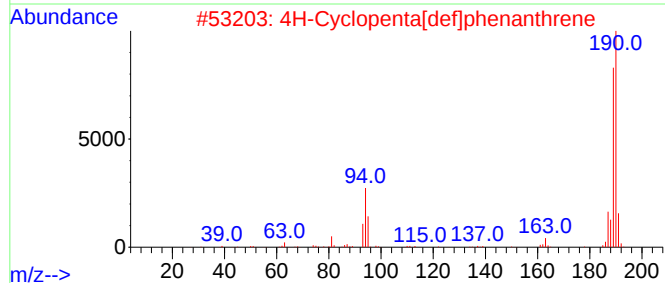
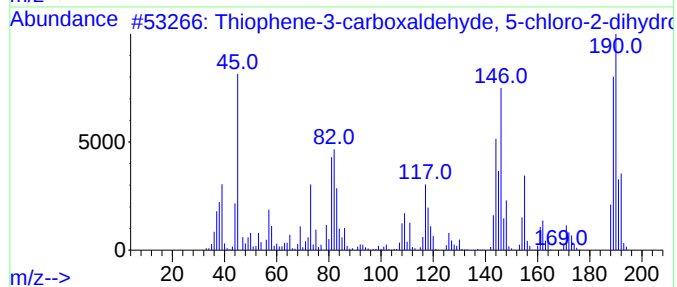
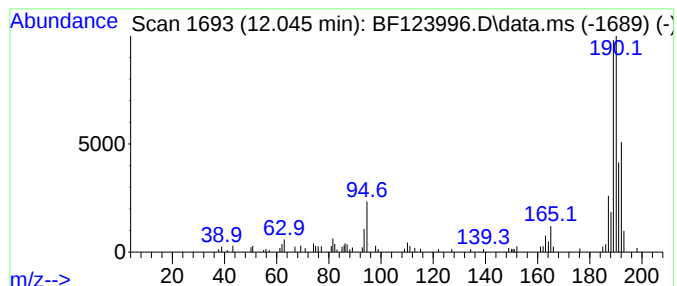
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Thiophene-3-carboxaldehyde,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	5.88 ng	131282	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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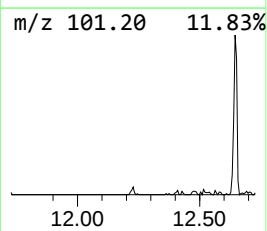
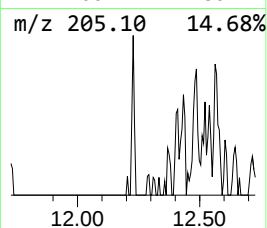
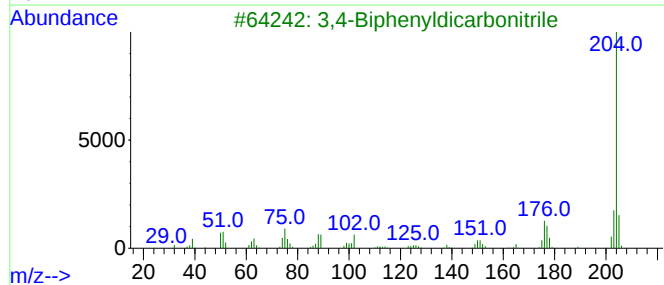
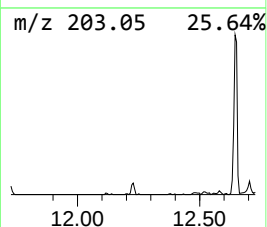
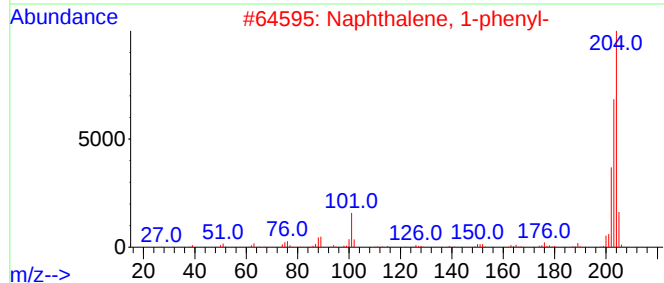
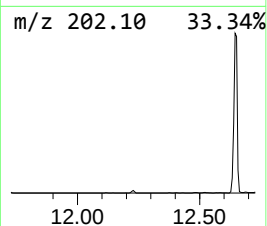
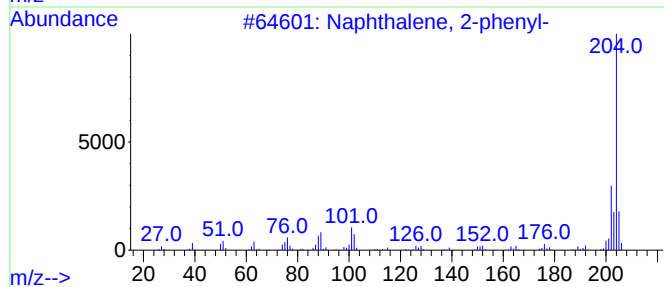
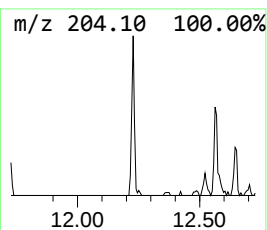
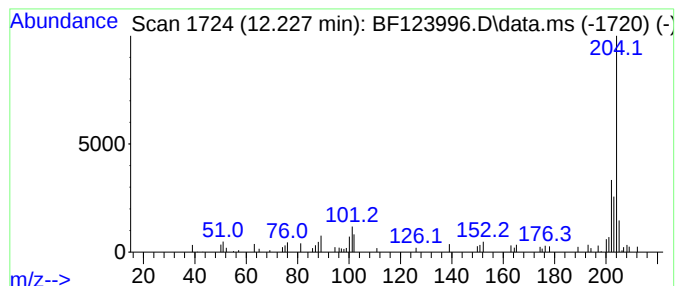
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	2.81 ng	62850	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
3			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5			5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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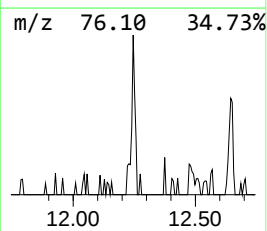
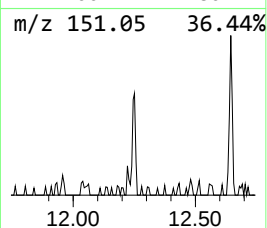
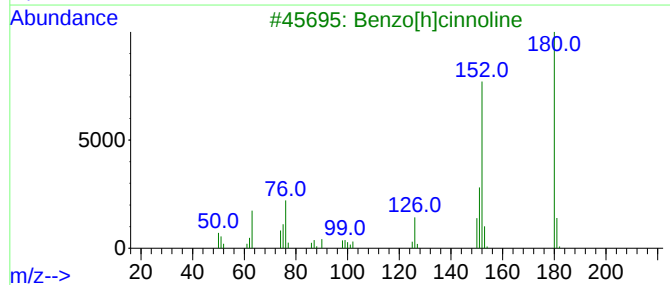
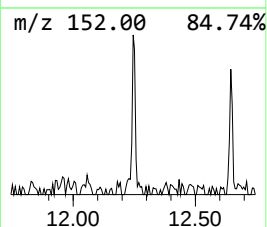
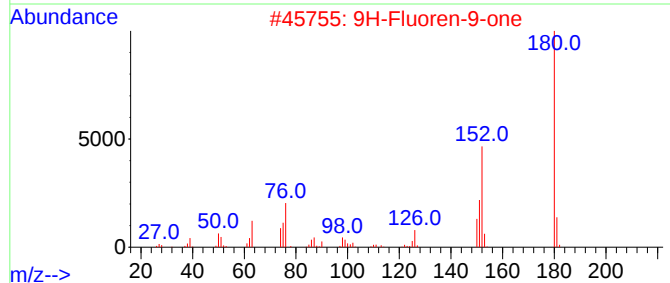
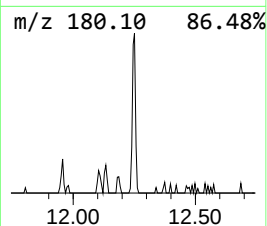
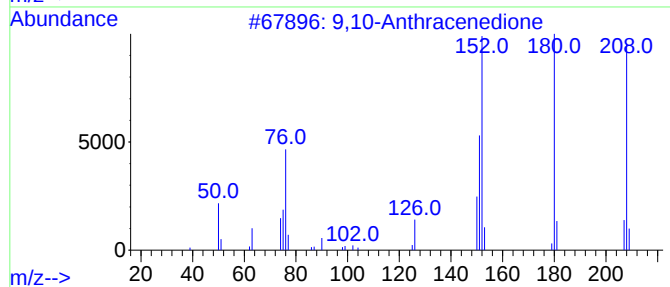
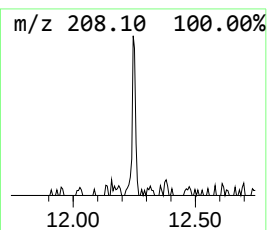
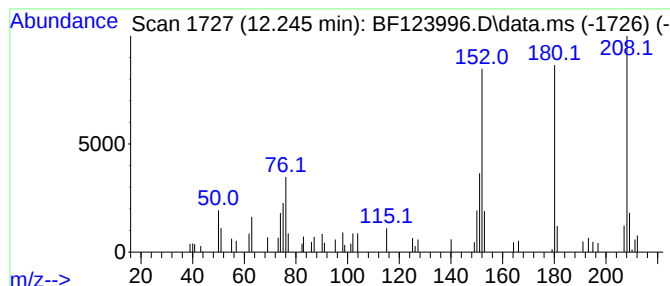
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	2.59 ng	57781	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
4			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
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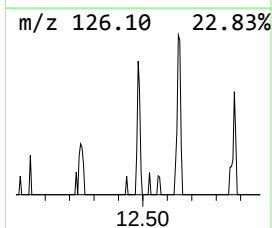
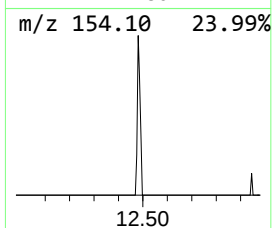
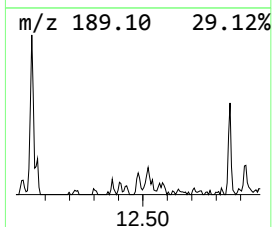
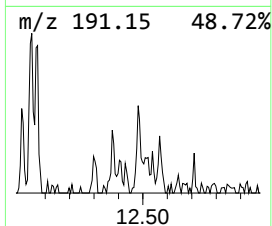
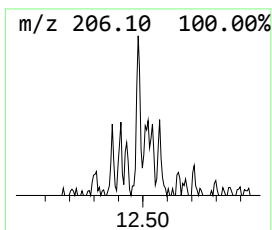
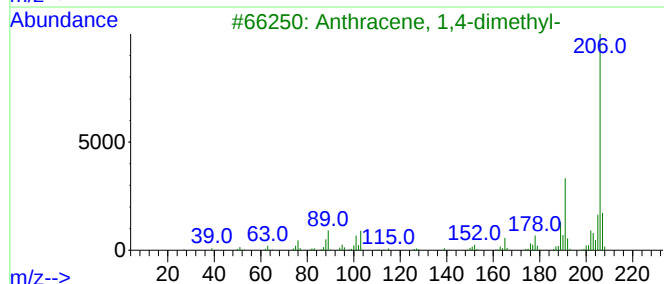
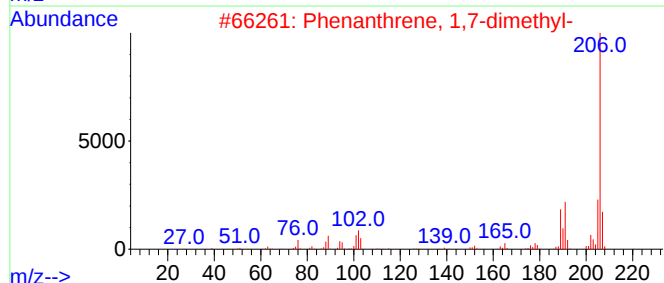
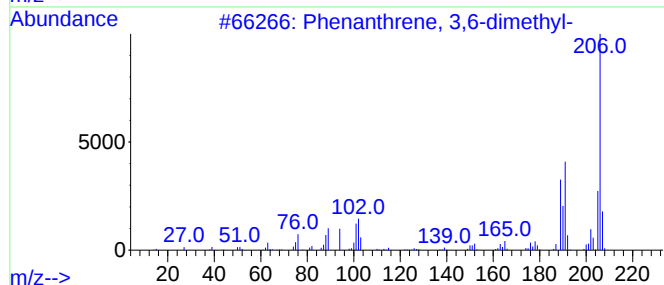
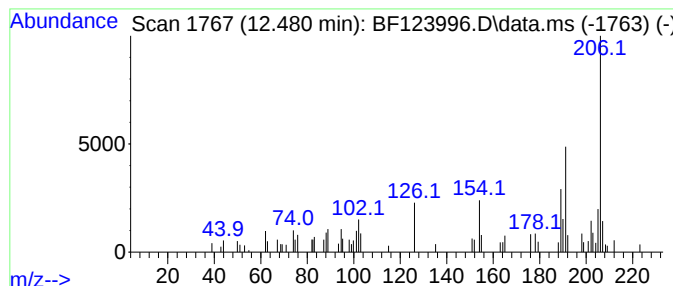
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	2.98 ng	66620	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83



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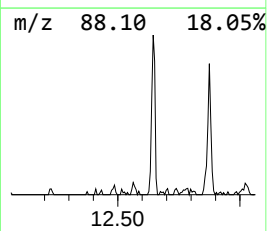
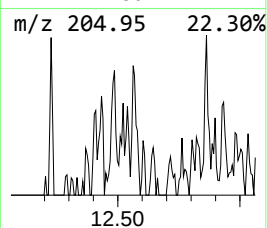
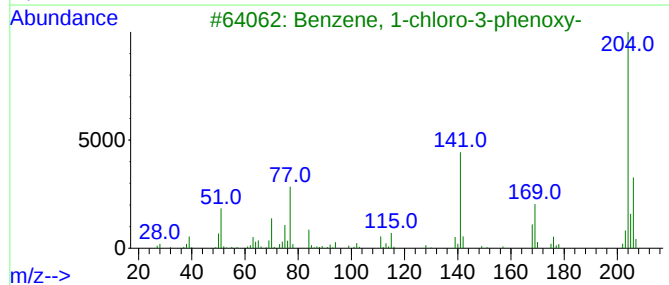
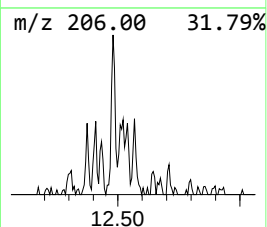
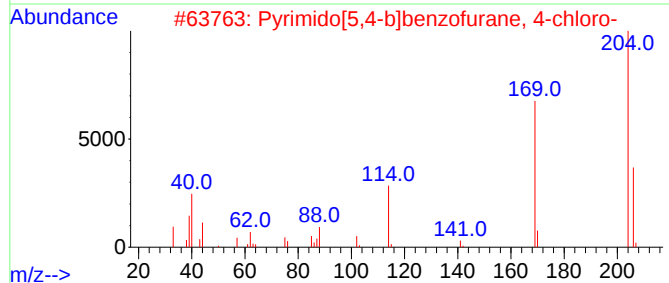
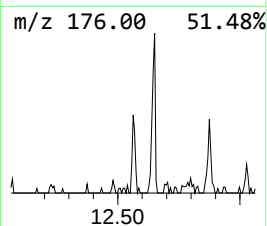
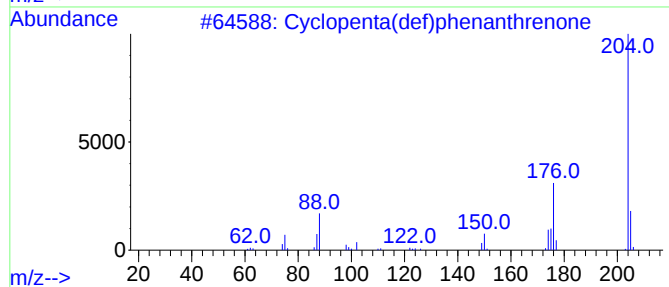
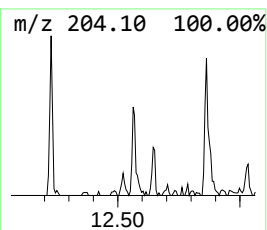
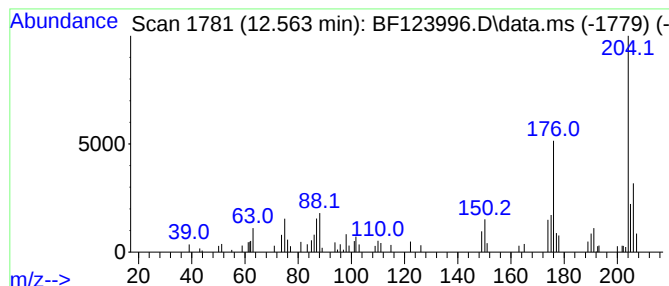
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	3.04 ng	67811	Phenanthrene-d10	11.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2			Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
3			Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	38
4			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38
5			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	35



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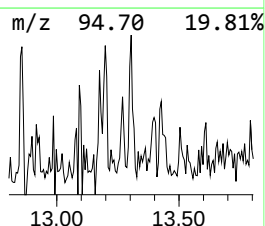
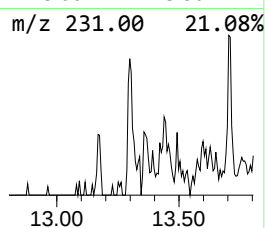
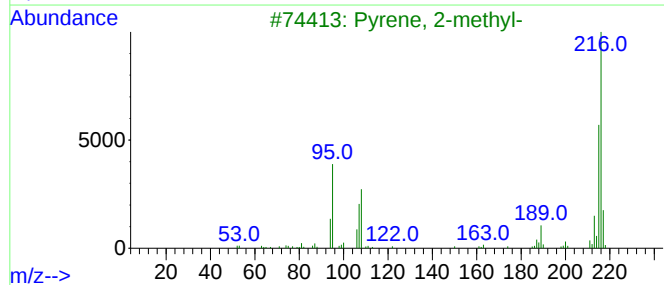
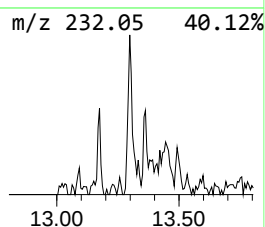
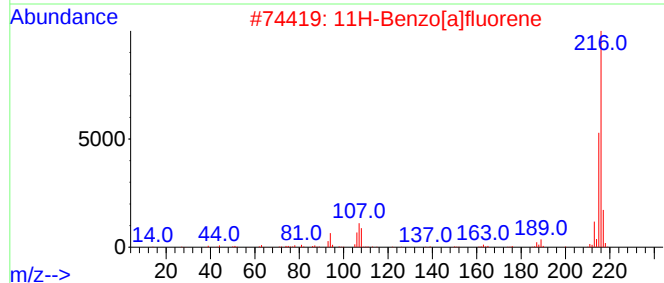
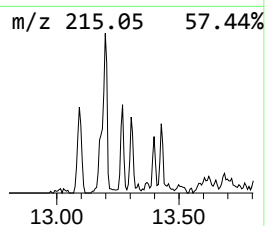
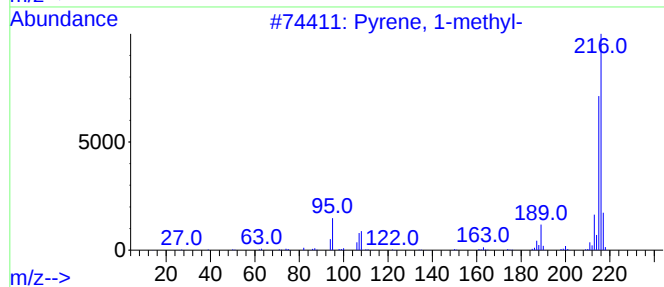
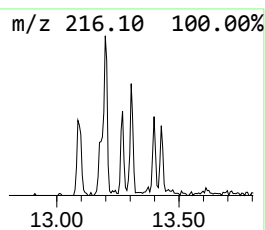
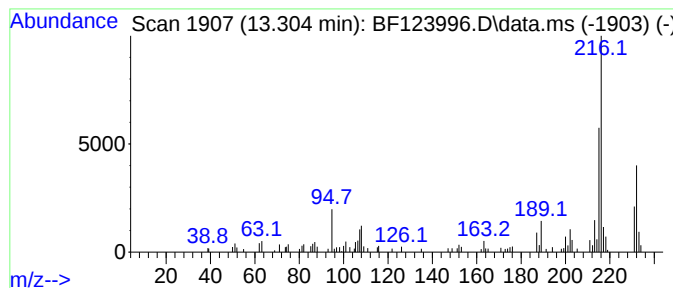
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.304	2.45 ng	117985	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50



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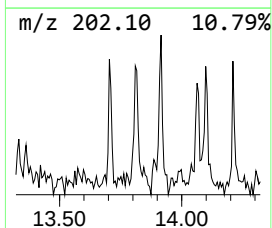
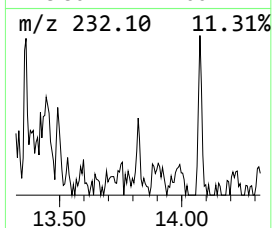
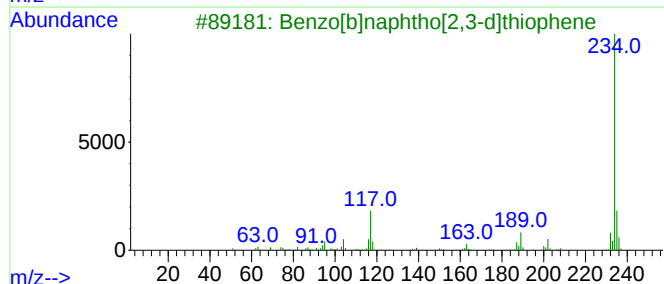
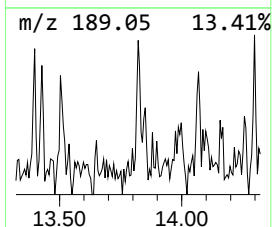
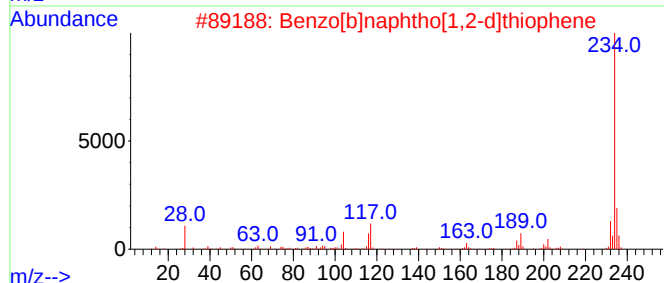
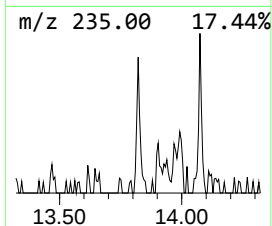
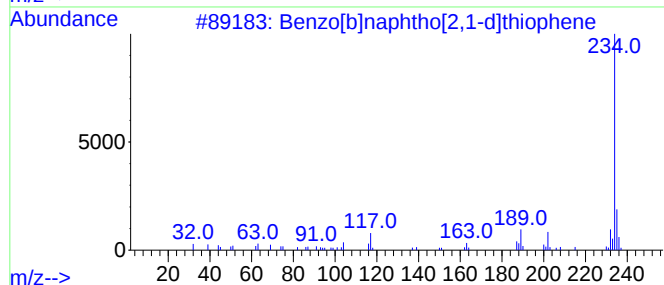
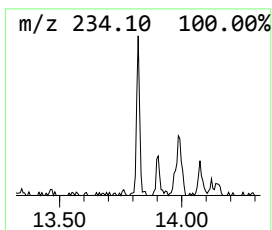
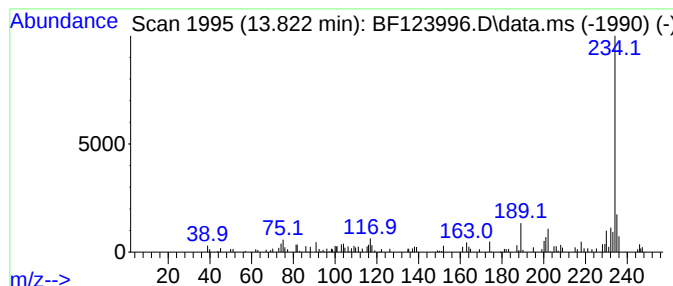
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.822	2.57 ng	123899	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83
4			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	81
5			Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
Acq On : 19 May 2021 18:22
Operator : JU/CG
Sample : M2437-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

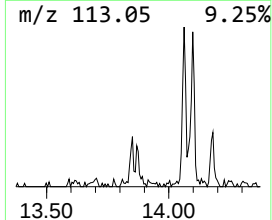
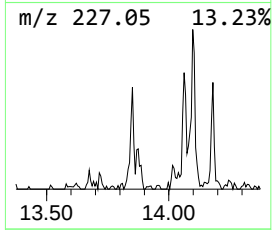
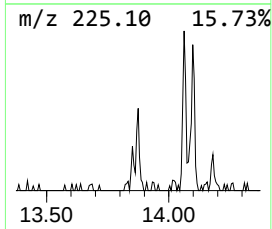
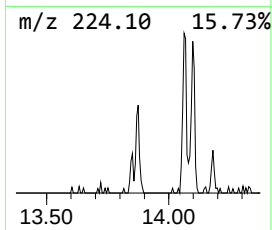
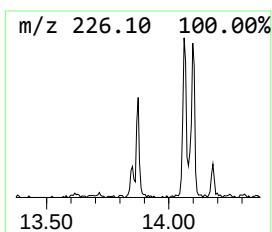
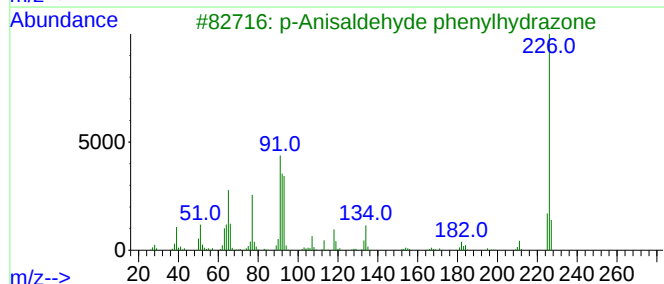
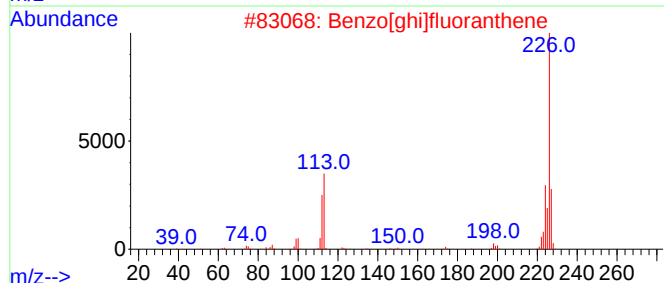
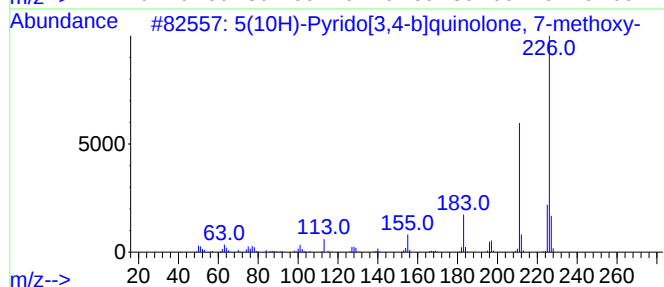
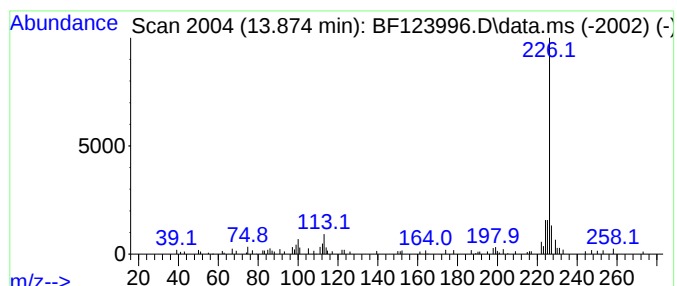
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 5(10H)-Pyrido[3,4-b]quinolo... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.874	2.38 ng	114391	Chrysene-d12		14.074	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5(10H)-Pyrido[3,4-b]quinolone, 7...		226	C13H10N2O2	1000256-99-5	72
2	Benzo[ghi]fluoranthene		226	C18H10	000203-12-3	53
3	p-Anisaldehyde phenylhydrazone		226	C14H14N2O	000622-73-1	50
4	9H-Xanthen-9-one, 4-methoxy-		226	C14H10O3	006702-58-5	45
5	9H-Pyrido[3,4-b]indole, 7-methox...		226	C14H14N2O	143502-37-8	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
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Sample : M2437-02 5X
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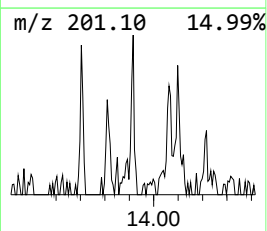
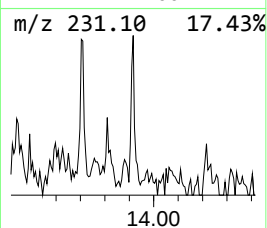
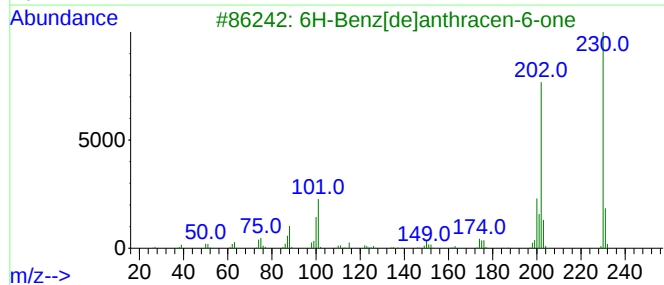
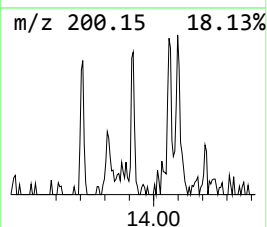
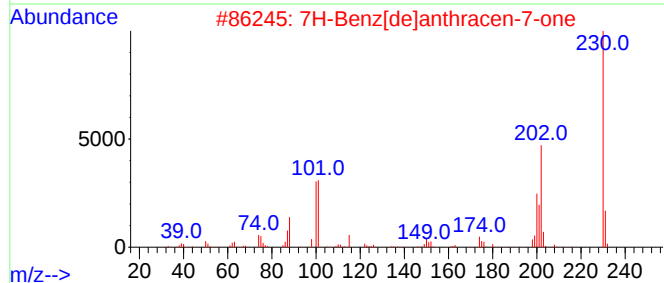
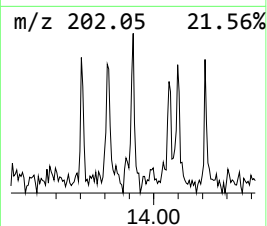
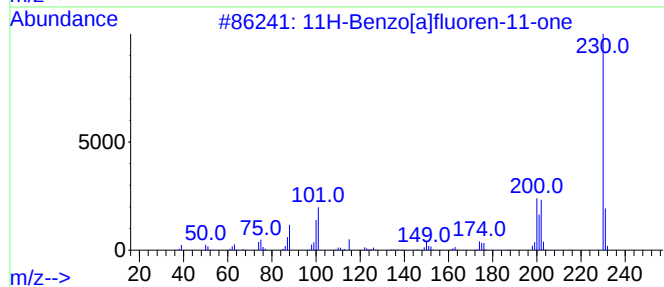
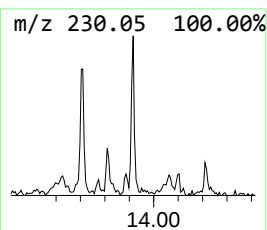
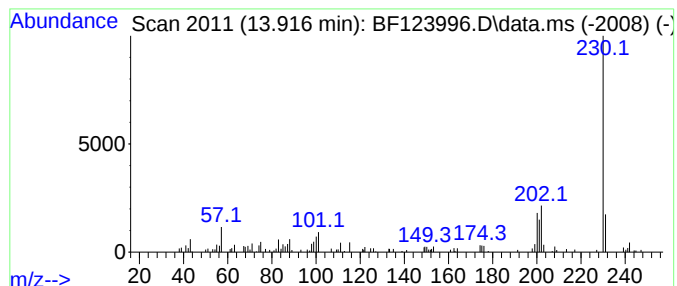
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	2.71 ng	130315	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
4			9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	64
5			o-Terphenyl	230	C18H14	000084-15-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
Acq On : 19 May 2021 18:22
Operator : JU/CG
Sample : M2437-02 5X
Misc :
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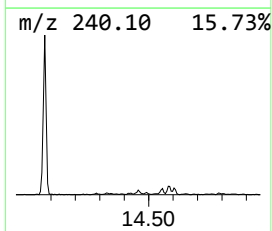
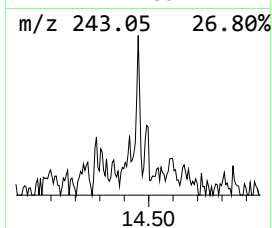
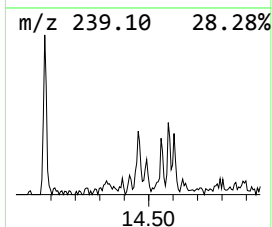
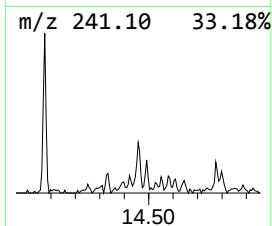
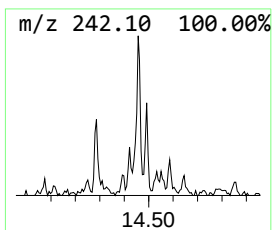
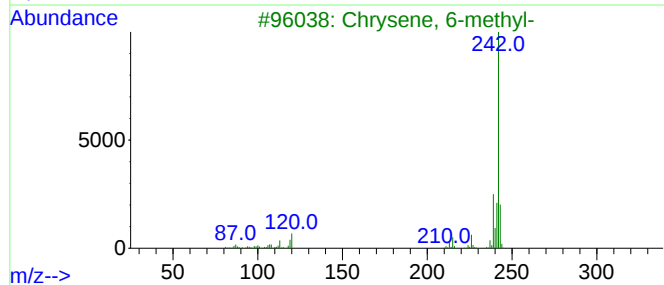
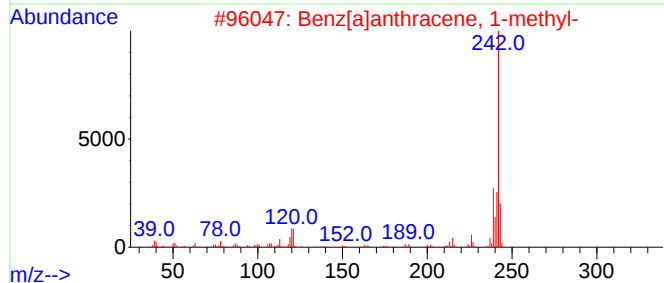
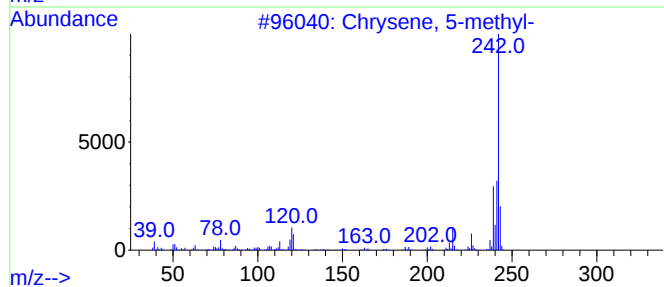
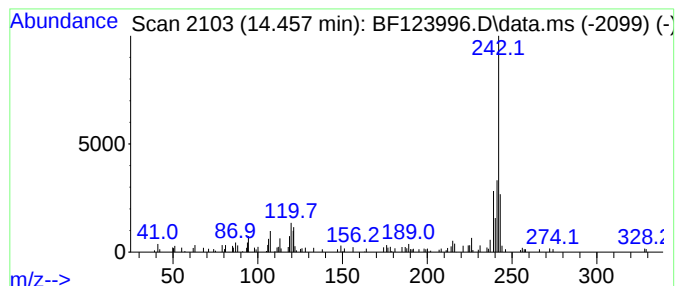
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Chrysene, 5-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	2.42 ng	116459	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
2			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	83
3			Chrysene, 6-methyl-	242	C19H14	001705-85-7	76
4			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	76
5			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
Acq On : 19 May 2021 18:22
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Sample : M2437-02 5X
Misc :
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Instrument :
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ClientSampleId :
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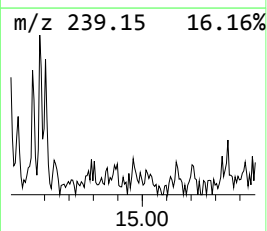
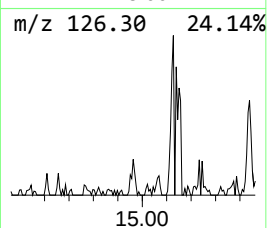
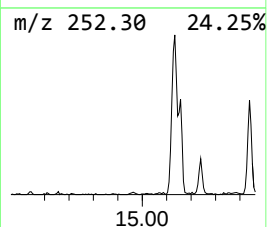
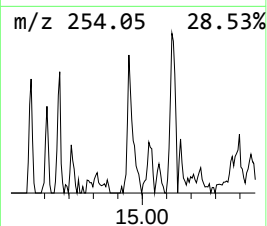
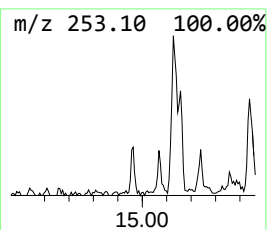
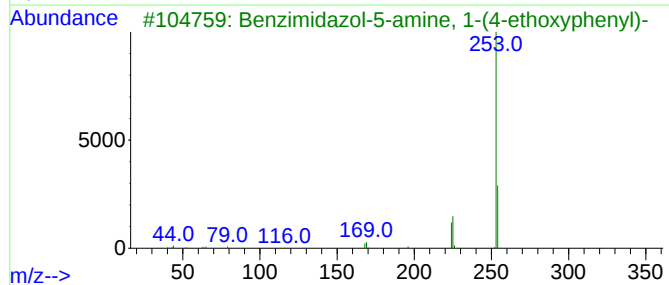
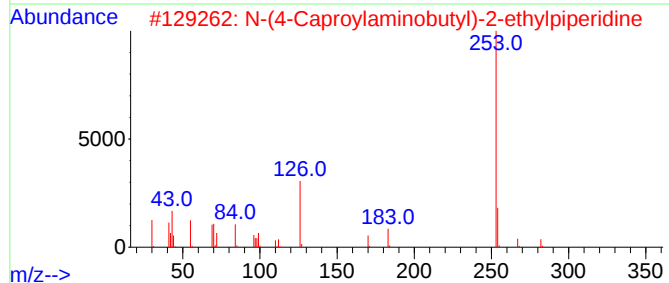
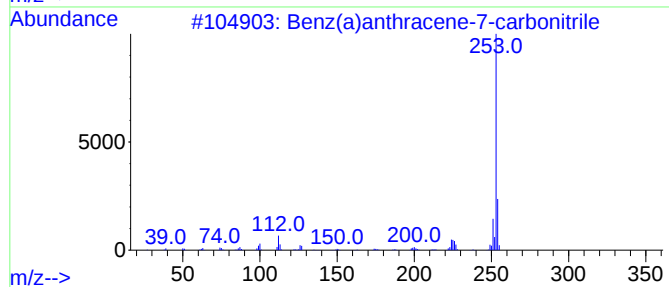
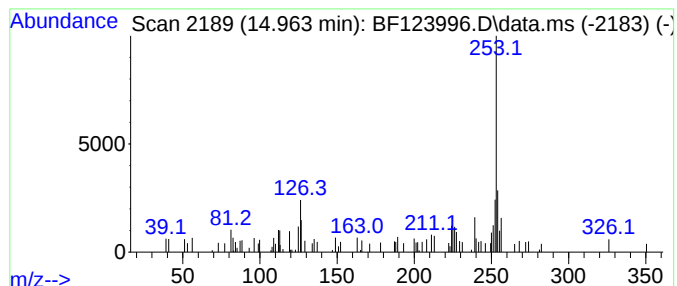
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown14.963 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.963	4.09 ng	65539	Perylene-d12	15.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	49
2			N-(4-Caproylaminobutyl)-2-ethylp...	282	C17H34N2O	1000306-09-9	47
3			Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	47
4			2(1H)-Quinolinone, 3-hydroxy-4-(...	253	C15H11N3O	014484-44-7	40
5			(+)-1-Methylcholanthrene	268	C21H16	1000126-56-0	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
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Misc :
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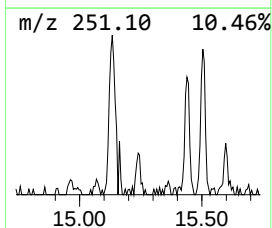
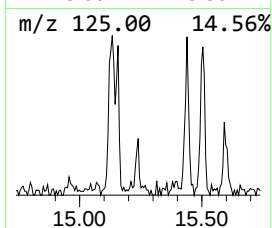
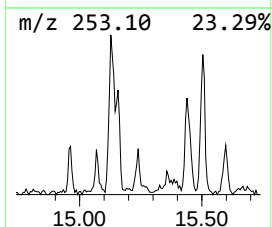
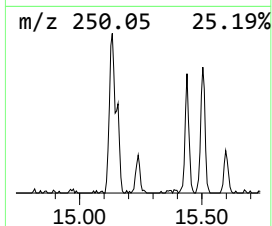
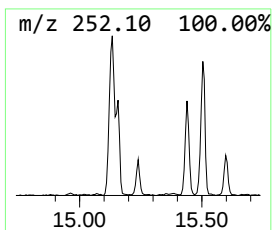
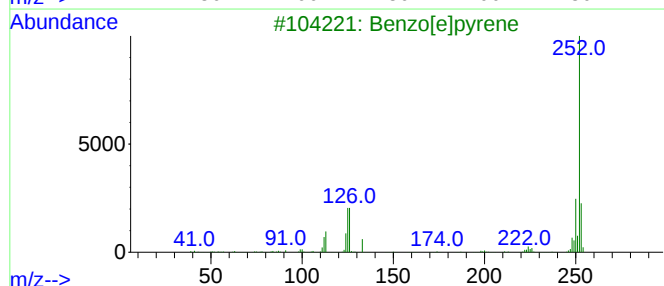
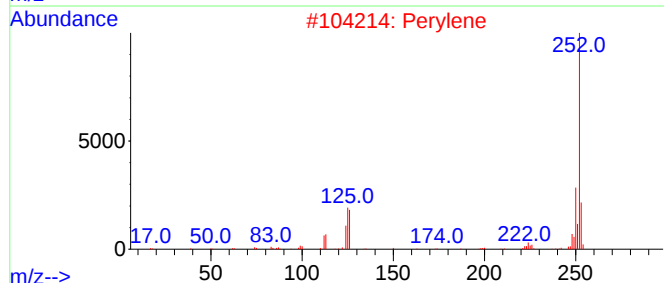
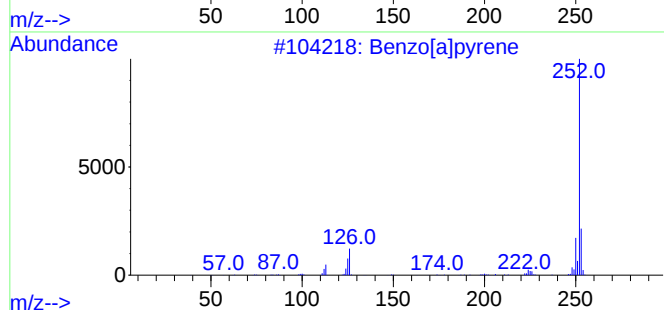
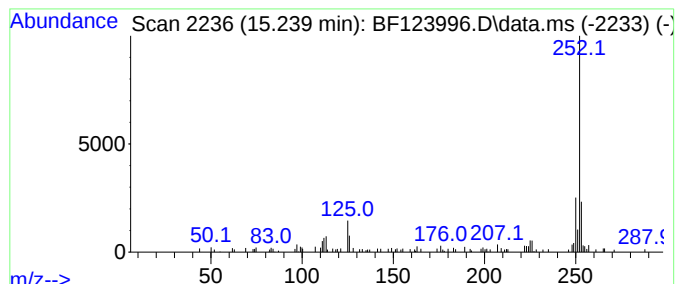
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.239	5.39 ng	86459	Perylene-d12	15.569

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[a]pyrene	252	C20H12	000050-32-8	81
2		Perylene	252	C20H12	000198-55-0	81
3		Benzo[e]pyrene	252	C20H12	000192-97-2	81
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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Acq On : 19 May 2021 18:22
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ClientSampleId :
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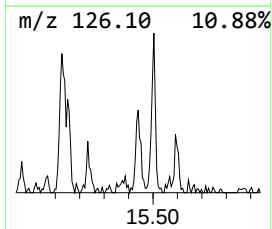
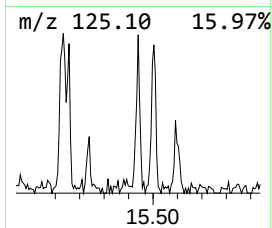
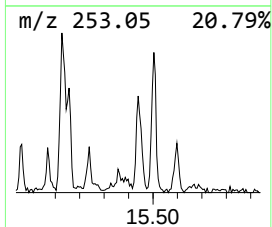
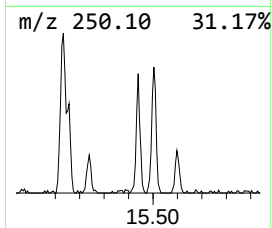
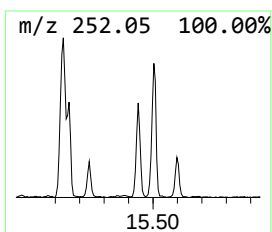
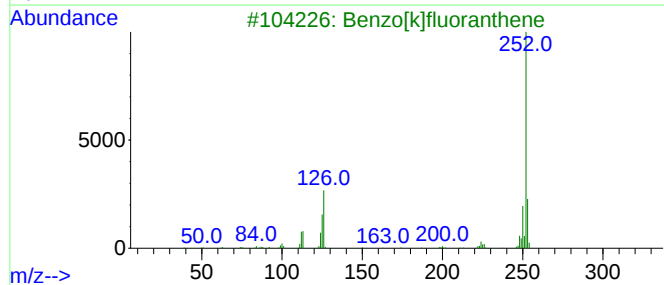
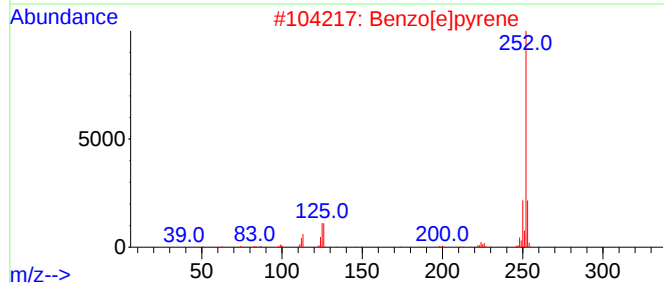
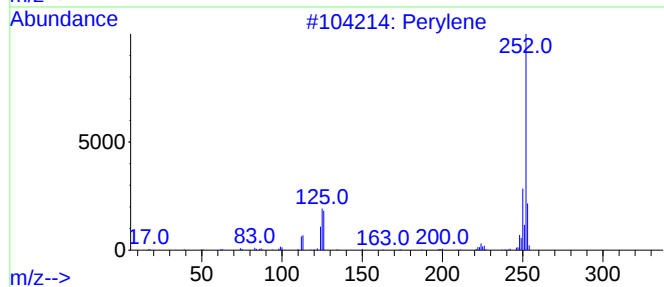
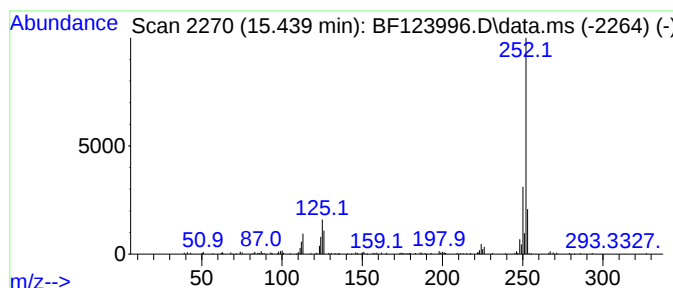
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.439	17.56 ng	281488	Perylene-d12	15.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Perylene	252	C20H12	000198-55-0	93
2			Benzo[e]pyrene	252	C20H12	000192-97-2	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	91
5			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
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Operator : JU/CG
Sample : M2437-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

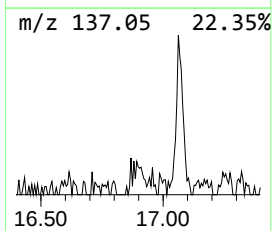
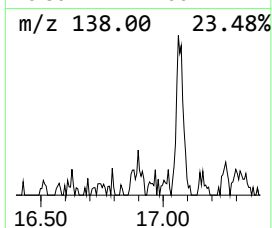
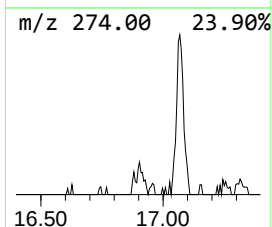
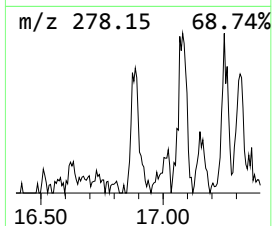
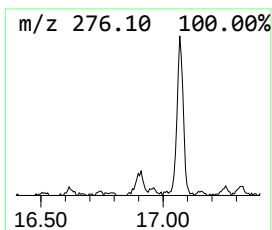
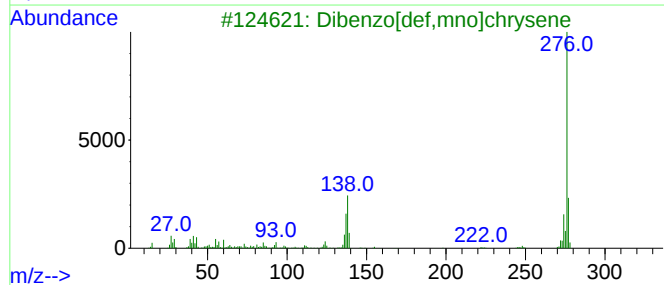
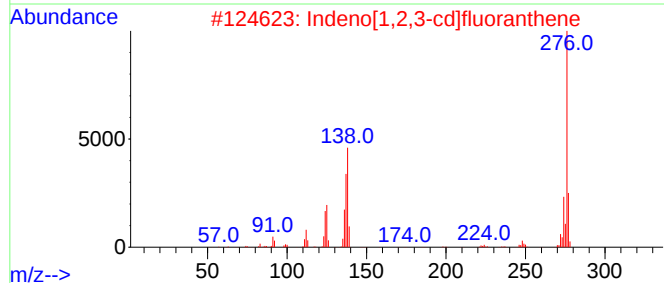
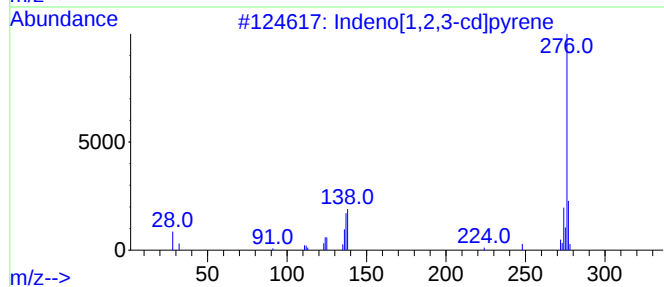
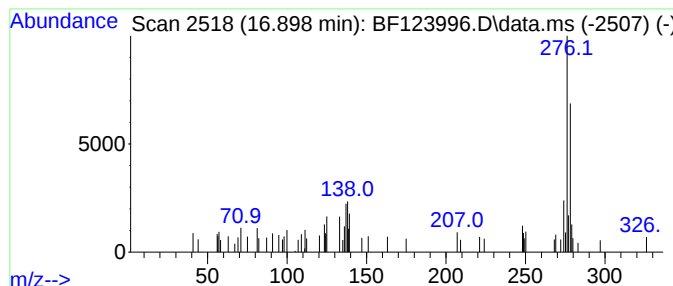
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown16.898 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.898	6.59 ng	105621	Perylene-d12	15.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	55
2			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	46
3			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	46
4			Benzo[ghi]perylene	276	C22H12	000191-24-2	46
5			Oxalic acid, diamide, N,N'-bis(4...	276	C14H10F2N2O2	1000309-42-9	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
Acq On : 19 May 2021 18:22
Operator : JU/CG
Sample : M2437-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-1

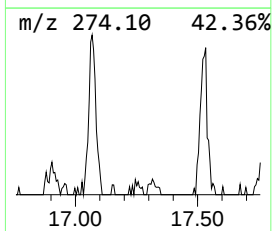
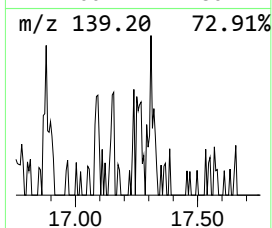
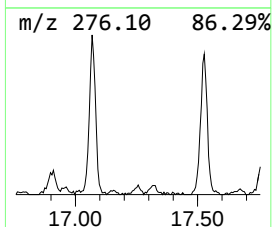
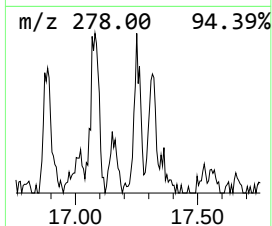
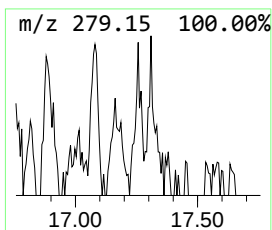
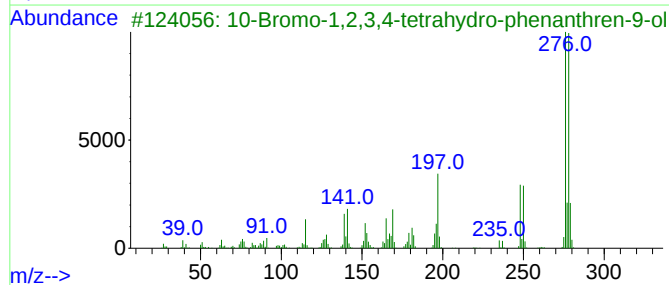
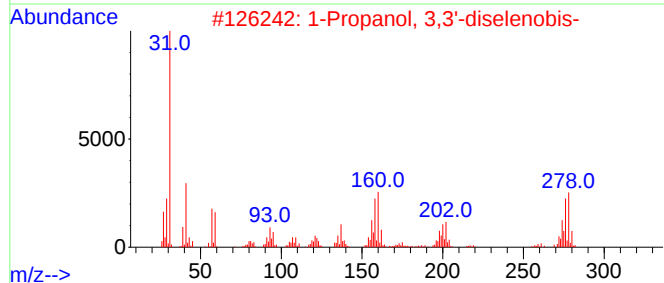
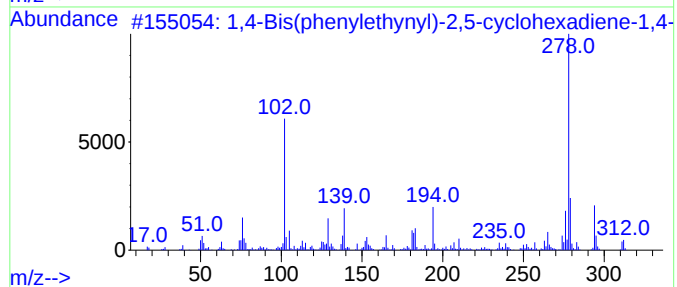
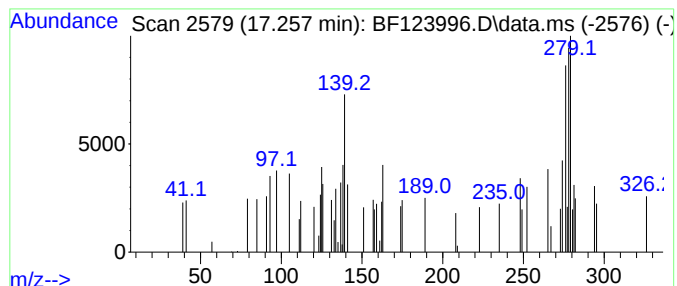
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown17.257 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.257	2.35 ng	37621	Perylene-d12	15.569

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,4-Bis(phenylethynyl)-2,5-cyclo...	312	C22H16O2	055006-58-1	37
2		1-Propanol, 3,3'-diselenobis-	278	C6H14O2Se2	023243-47-2	35
3		10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	27
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	25
5		1,4-Dichloro-3-(trichlorovinyl)b...	274	C8H3Cl5	088218-49-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
Acq On : 19 May 2021 18:22
Operator : JU/CG
Sample : M2437-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

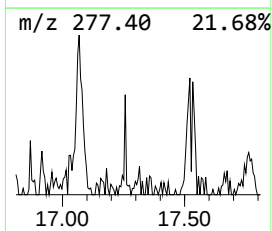
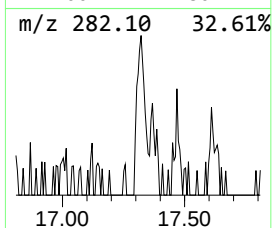
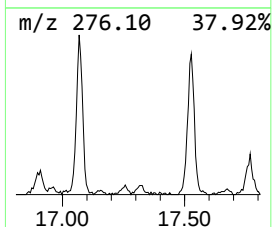
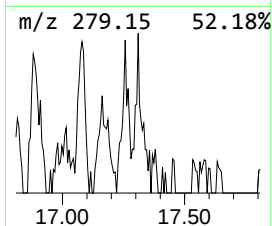
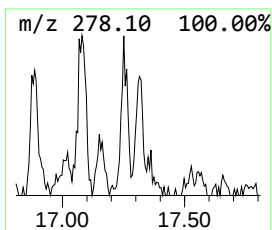
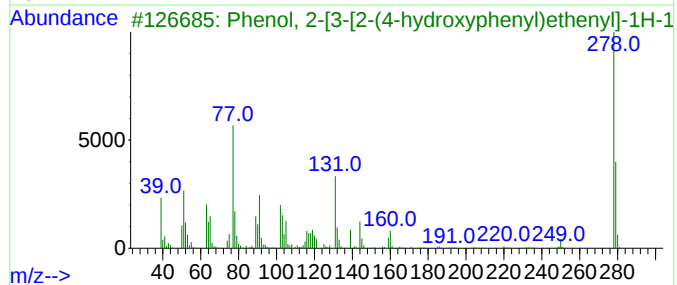
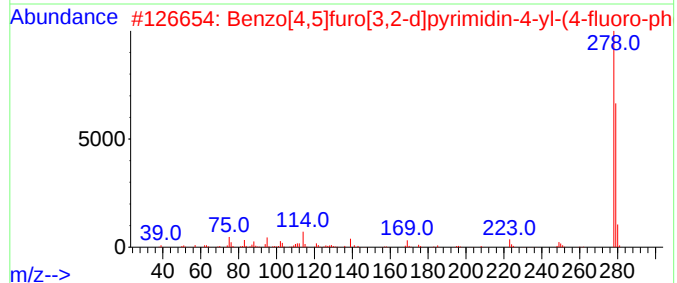
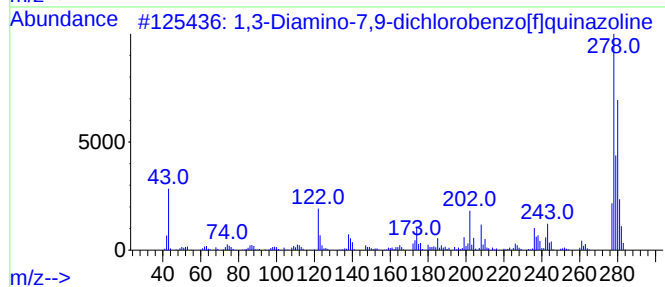
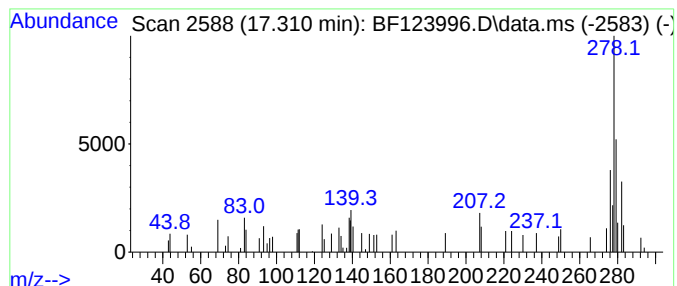
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1,3-Diamino-7,9-dichloroben... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.310	2.90 ng	46554	Perylene-d12	15.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Diamino-7,9-dichlorobenzo[f]...	278	C12H8Cl2N4	037521-58-7	53
2			Benzo[4,5]furo[3,2-d]pyrimidin-4...	279	C16H10FN3O	1000294-28-0	43
3			Phenol, 2-[3-[2-(4-hydroxyphenyl)...]	279	C16H13N3O2	1000362-51-6	43
4			Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	43
5			Benzo[b]naphtho[2,3-d]thiophene,...	278	C19H18S	024964-01-0	32



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123996.D
Acq On : 19 May 2021 18:22
Operator : JU/CG
Sample : M2437-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

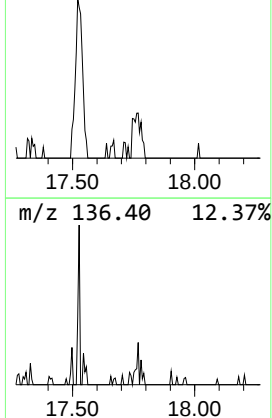
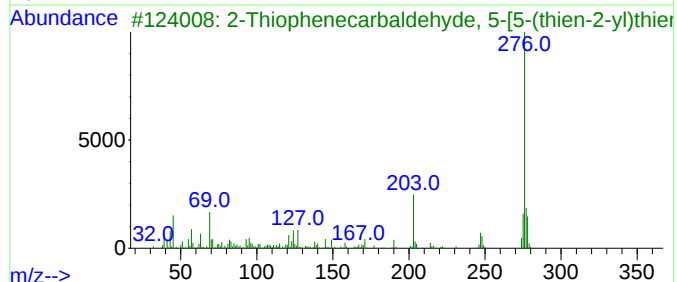
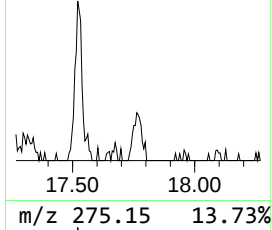
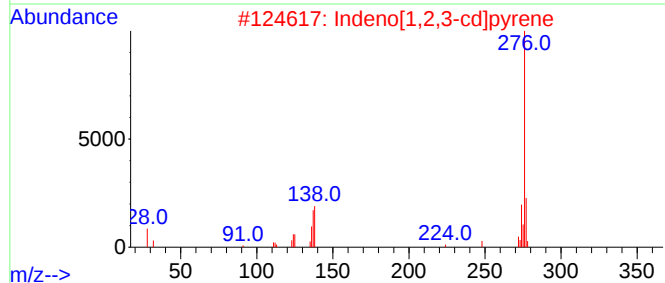
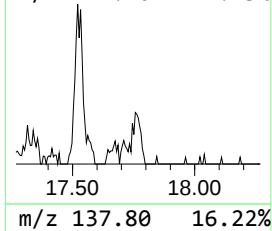
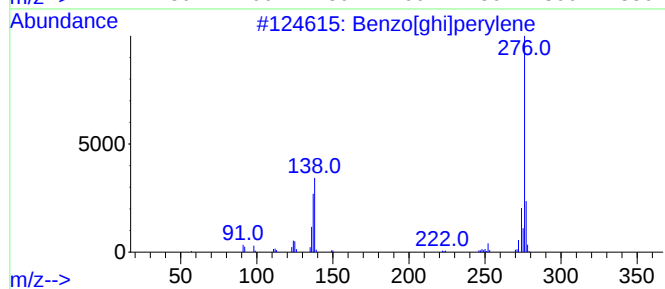
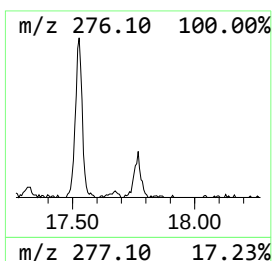
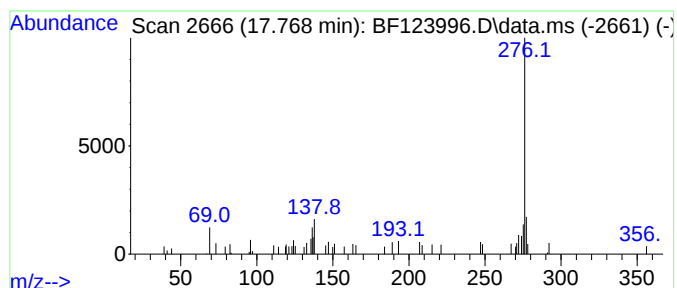
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 2-Thiophenecarbaldehyde, 5-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.768	3.62 ng	57945	Perylene-d12	15.569

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[ghi]perylene	276	C22H12	000191-24-2	74
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	74
3		2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	72
4		Indophenol blue	276	C18H16N2O	000132-31-0	72
5		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123996.D
 Acq On : 19 May 2021 18:22
 Operator : JU/CG
 Sample : M2437-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.140	7.9	ng	126418	1	6.904	319388	20.0
Anthracene, 1-m...	11.933	3.7	ng	83432	4	11.428	446834	20.0
Phenanthrene, 2...	11.957	4.5	ng	101384	4	11.428	446834	20.0
Thiophene-3-car...	12.045	5.9	ng	131282	4	11.428	446834	20.0
Naphthalene, 2-...	12.227	2.8	ng	62850	4	11.428	446834	20.0
9,10-Anthracene...	12.245	2.6	ng	57781	4	11.428	446834	20.0
Phenanthrene, 3...	12.480	3.0	ng	66620	4	11.428	446834	20.0
Cyclopenta(def)...	12.563	3.0	ng	67811	4	11.428	446834	20.0
Pyrene, 1-methyl-	13.304	2.5	ng	117985	5	14.074	963194	20.0
Benzo[b]naphtho...	13.822	2.6	ng	123899	5	14.074	963194	20.0
5(10H)-Pyrido[3...	13.874	2.4	ng	114391	5	14.074	963194	20.0
11H-Benzo[a]flu...	13.916	2.7	ng	130315	5	14.074	963194	20.0
Chrysene, 5-met...	14.457	2.4	ng	116459	5	14.074	963194	20.0
unknown14.963	14.963	4.1	ng	65539	6	15.569	320551	20.0
Perylene	15.239	5.4	ng	86459	6	15.569	320551	20.0
Benzo[e]pyrene	15.439	17.6	ng	281488	6	15.569	320551	20.0
unknown16.898	16.898	6.6	ng	105621	6	15.569	320551	20.0
unknown17.257	17.257	2.4	ng	37621	6	15.569	320551	20.0
1,3-Diamino-7,9...	17.310	2.9	ng	46554	6	15.569	320551	20.0
2-Thiophenecarb...	17.768	3.6	ng	57945	6	15.569	320551	20.0