

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108301.D
 Acq On : 20 Aug 2018 20:18
 Operator : JU/SJ
 Sample : J4521-28 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245

Integration Parameters: rteint.p

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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-BF080818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.254	492	496	507	rVB	90227	100832	1.01%	0.102%
2	5.643	555	562	565	rBV	1868536	1673921	16.76%	1.685%
3	6.631	726	730	734	rBV	1830475	1752408	17.55%	1.764%
4	6.784	752	756	760	rBV	2090298	1761023	17.64%	1.773%
5	7.019	792	796	799	rBV	1131924	1004778	10.06%	1.012%
6	7.172	818	822	826	rBV	1689805	1365852	13.68%	1.375%
7	7.578	886	891	894	rBV	1164709	1058133	10.60%	1.065%
8	8.301	1010	1014	1016	rBV	1430494	1188109	11.90%	1.196%
9	9.372	1192	1196	1199	rBV	2268950	1820948	18.24%	1.834%
10	9.713	1250	1254	1257	rVV	127175	130983	1.31%	0.132%
11	9.760	1260	1262	1268	rVB	137646	124932	1.25%	0.126%
12	10.060	1310	1313	1316	rBV	1204190	1135612	11.37%	1.143%
13	10.095	1316	1319	1322	rVB	640518	492036	4.93%	0.495%
14	10.266	1343	1348	1351	rVV2	320382	319797	3.20%	0.322%
15	10.613	1403	1407	1412	rBV	814957	696888	6.98%	0.702%
16	10.766	1428	1433	1437	rVB2	247156	291831	2.92%	0.294%
17	10.854	1444	1448	1452	rBV	1189501	1150592	11.52%	1.159%
18	11.160	1494	1500	1503	rBV2	269475	312960	3.13%	0.315%
19	11.189	1503	1505	1508	rVV2	141408	133041	1.33%	0.134%
20	11.242	1511	1514	1517	rVB2	124935	136153	1.36%	0.137%
21	11.283	1517	1521	1524	rBV3	137744	209422	2.10%	0.211%
22	11.313	1524	1526	1530	rVV2	156224	178393	1.79%	0.180%
23	11.360	1531	1534	1537	rVV2	161803	158133	1.58%	0.159%
24	11.401	1537	1541	1544	rVV2	173935	217068	2.17%	0.219%
25	11.454	1547	1550	1556	rVB	389353	352110	3.53%	0.355%
26	11.560	1564	1568	1570	rBV	1121190	1148602	11.50%	1.157%
27	11.589	1570	1573	1576	rVV	5176112	5111673	51.19%	5.147%
28	11.636	1576	1581	1584	rVV	2254540	2030001	20.33%	2.044%
29	11.666	1584	1586	1589	rVV	126594	137615	1.38%	0.139%
30	11.719	1591	1595	1600	rVV5	62797	102911	1.03%	0.104%
31	11.789	1603	1607	1611	rVV2	229695	295042	2.95%	0.297%
32	11.848	1615	1617	1621	rVV	223860	209178	2.09%	0.211%
33	11.889	1621	1624	1629	rVB2	180687	187868	1.88%	0.189%
34	11.972	1636	1638	1643	rVB	101944	112172	1.12%	0.113%

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35	12.060	1650	1653	1656	rBV	882801	783237	7.84%	0.789%
36	12.089	1656	1658	1662	rVB	1203598	1049972	10.52%	1.057%
37	12.142	1662	1667	1669	rBV	562220	553387	5.54%	0.557%
38	12.183	1669	1674	1676	rBV2	1792390	2157730	21.61%	2.173%
39	12.354	1700	1703	1706	rVV	762243	712370	7.13%	0.717%
40	12.389	1706	1709	1714	rVB	349553	317723	3.18%	0.320%
41	12.507	1726	1729	1732	rVB	204243	161984	1.62%	0.163%
42	12.536	1732	1734	1736	rBV	195777	142032	1.42%	0.143%
43	12.560	1736	1738	1741	rVB	178466	153272	1.54%	0.154%
44	12.613	1743	1747	1750	rBV	469501	561944	5.63%	0.566%
45	12.654	1750	1754	1759	rVB4	338396	536229	5.37%	0.540%
46	12.713	1759	1764	1768	rBV3	436402	557537	5.58%	0.561%
47	12.795	1772	1778	1781	rBV	7102661	9418212	94.33%	9.483%
48	12.819	1781	1782	1784	rVV	137660	104799	1.05%	0.106%
49	12.842	1784	1786	1789	rVB	222509	191992	1.92%	0.193%
50	12.936	1799	1802	1805	rVB	305320	292972	2.93%	0.295%
51	13.030	1809	1818	1821	rBV2	6632112	9984790	100.00%	10.054%
52	13.060	1821	1823	1827	rVB2	554626	479958	4.81%	0.483%
53	13.142	1831	1837	1840	rBV2	1646148	2029002	20.32%	2.043%
54	13.172	1840	1842	1845	rVB	365030	324110	3.25%	0.326%
55	13.230	1846	1852	1856	rBV3	634534	1154561	11.56%	1.163%
56	13.319	1863	1867	1868	rBV3	444770	534601	5.35%	0.538%
57	13.342	1868	1871	1874	rVB	1773596	1663799	16.66%	1.675%
58	13.407	1879	1882	1885	rVV	1409142	1368939	13.71%	1.378%
59	13.448	1885	1889	1892	rVV2	919264	1102657	11.04%	1.110%
60	13.472	1892	1893	1896	rVV	252450	160332	1.61%	0.161%
61	13.501	1896	1898	1901	rVB2	199369	160983	1.61%	0.162%
62	13.542	1902	1905	1907	rBV	515474	406535	4.07%	0.409%
63	13.572	1907	1910	1913	rVV	506498	427708	4.28%	0.431%
64	13.654	1922	1924	1927	rVB	145210	119649	1.20%	0.120%
65	13.824	1949	1953	1955	rBV	237784	278815	2.79%	0.281%
66	13.854	1955	1958	1962	rVB	409438	420238	4.21%	0.423%
67	13.966	1972	1977	1979	rBV3	694568	775204	7.76%	0.781%
68	13.995	1979	1982	1984	rVV	748847	693224	6.94%	0.698%
69	14.024	1984	1987	1990	rVV2	680170	846397	8.48%	0.852%
70	14.060	1990	1993	1997	rVB2	380020	439772	4.40%	0.443%
71	14.136	2001	2006	2011	rBV	211005	355091	3.56%	0.358%

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72	14.219	2012	2020	2023	rBV3	3918954	6255820	62.65%	6.299%
73	14.254	2023	2026	2029	rVV	3712096	3404068	34.09%	3.428%
74	14.330	2036	2039	2043	rBV	936063	891800	8.93%	0.898%
75	14.366	2043	2045	2048	rVV2	322786	334806	3.35%	0.337%
76	14.407	2050	2052	2054	rVV	289067	224409	2.25%	0.226%
77	14.442	2054	2058	2061	rVV2	421998	526030	5.27%	0.530%
78	14.471	2061	2063	2066	rVB2	133899	125310	1.26%	0.126%
79	14.566	2077	2079	2081	rBV	177689	150112	1.50%	0.151%
80	14.607	2081	2086	2088	rVV	663020	819287	8.21%	0.825%
81	14.636	2089	2091	2096	rVB	354943	373578	3.74%	0.376%
82	14.707	2101	2103	2106	rVV	351180	327084	3.28%	0.329%
83	14.736	2106	2108	2110	rVV	377071	365639	3.66%	0.368%
84	14.760	2110	2112	2116	rVV	518140	489008	4.90%	0.492%
85	14.807	2116	2120	2127	rVB4	323218	533970	5.35%	0.538%
86	15.142	2173	2177	2184	rVB2	238261	382711	3.83%	0.385%
87	15.324	2202	2208	2211	rBV	2216357	4095246	41.01%	4.123%
88	15.436	2223	2227	2231	rBV	642807	682909	6.84%	0.688%
89	15.530	2240	2243	2245	rBV3	150118	209846	2.10%	0.211%
90	15.660	2259	2265	2271	rVB	1301310	2111156	21.14%	2.126%
91	15.730	2271	2277	2281	rBV	2174469	3161778	31.67%	3.184%
92	15.789	2283	2287	2290	rVV	511699	773992	7.75%	0.779%
93	15.824	2290	2293	2299	rVB2	710050	1022247	10.24%	1.029%
94	16.407	2389	2392	2397	rVB2	174861	231463	2.32%	0.233%
95	17.430	2558	2566	2574	rVB	900927	1920038	19.23%	1.933%
96	17.930	2643	2651	2662	rBV	585586	1379823	13.82%	1.389%

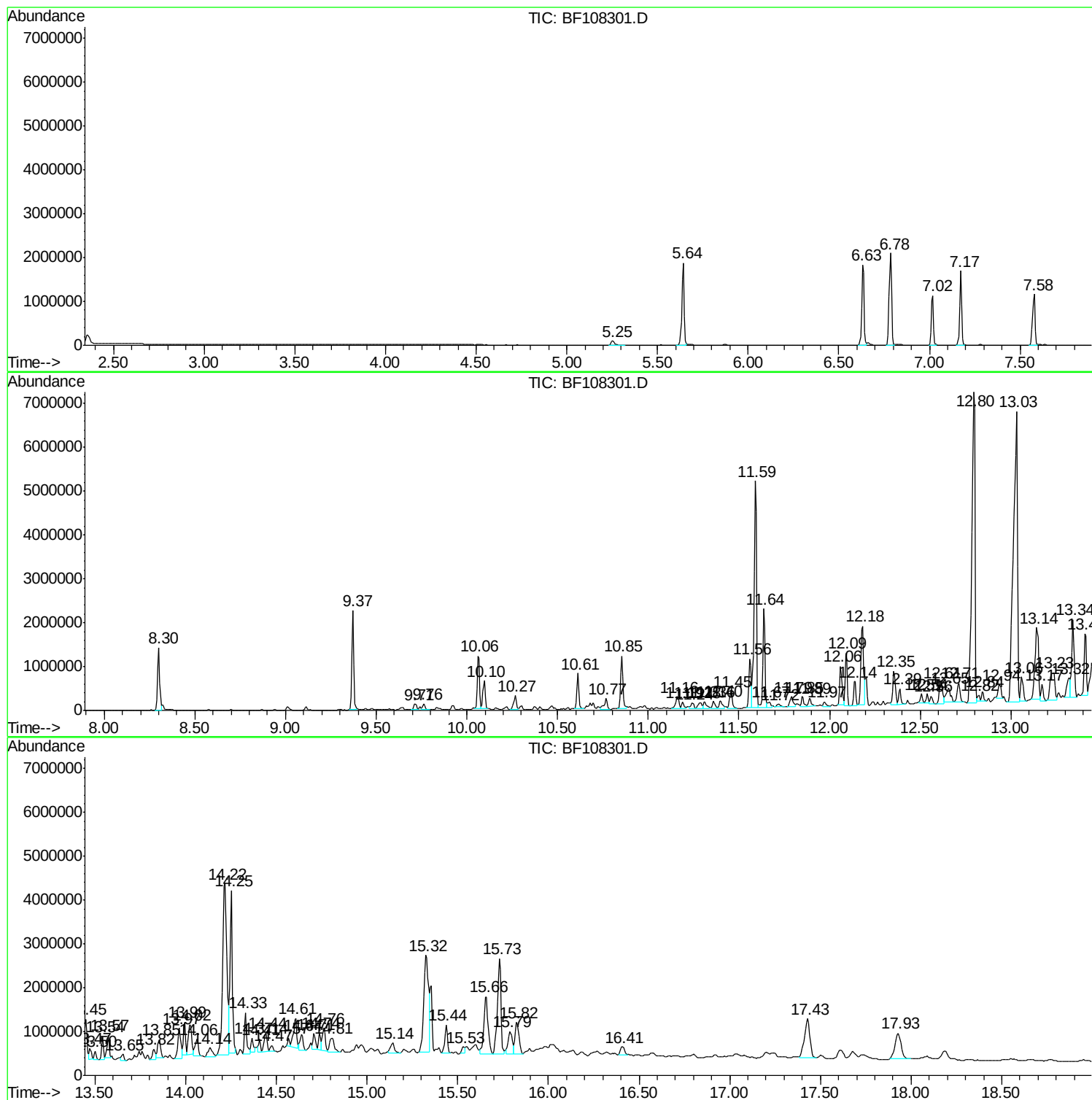
Sum of corrected areas: 99314904

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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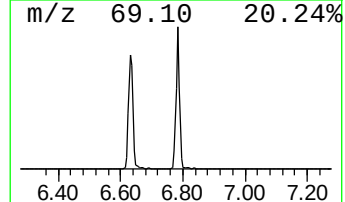
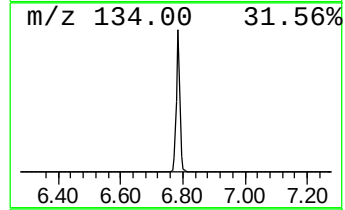
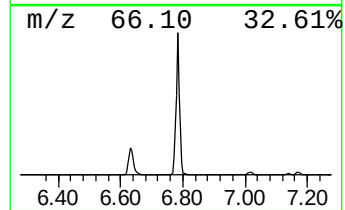
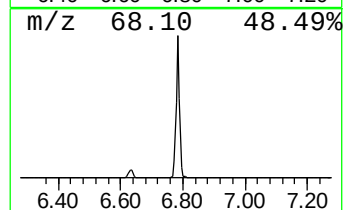
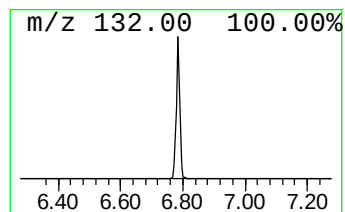
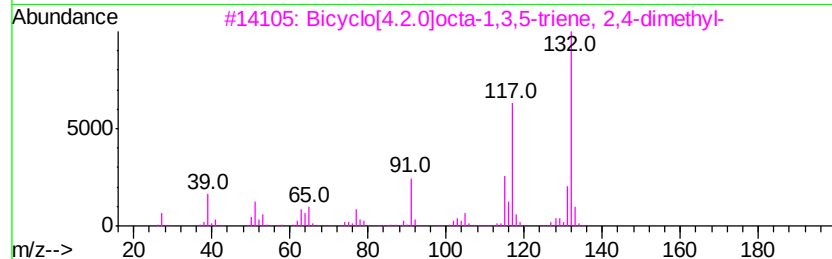
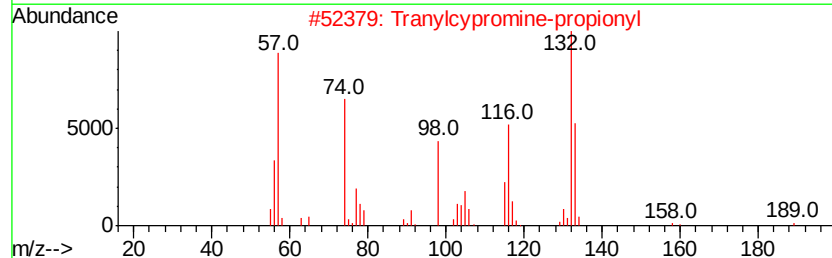
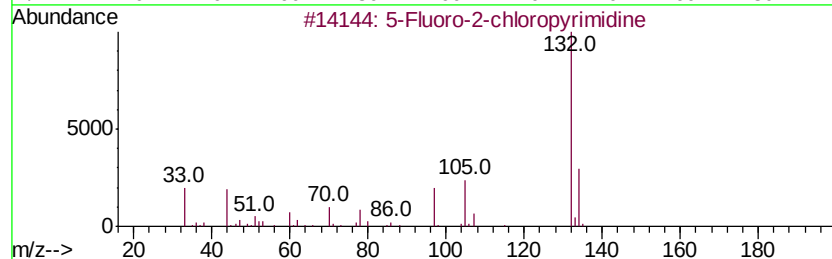
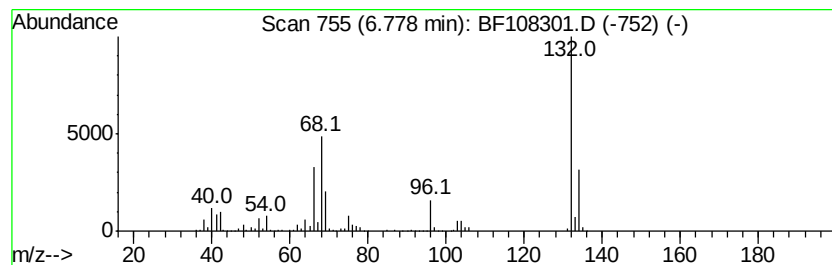
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	35.05 ng	1761020	1,4-Dichlorobenzene-d4	7.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9



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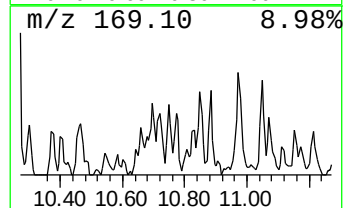
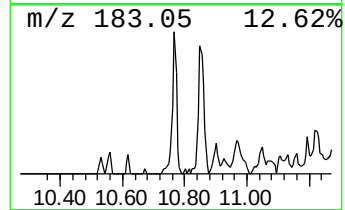
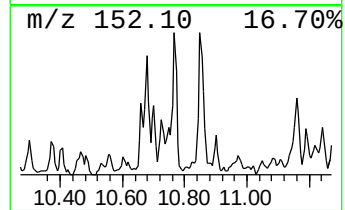
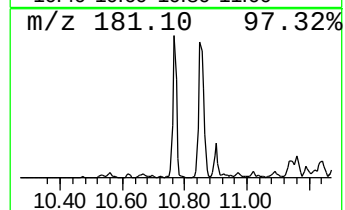
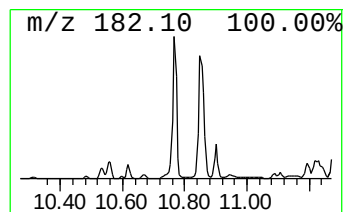
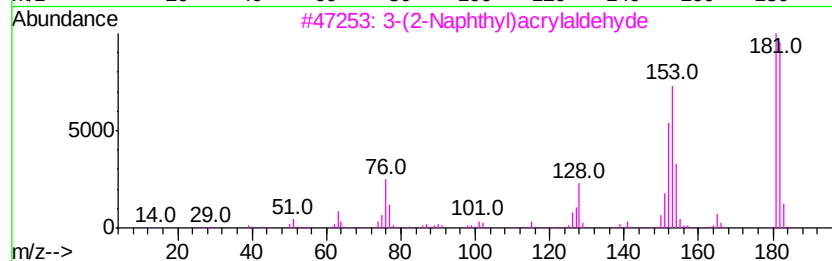
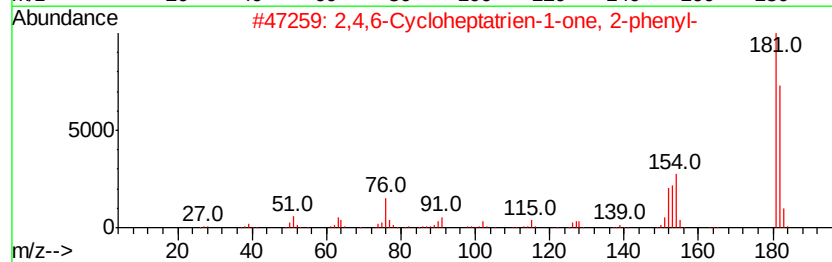
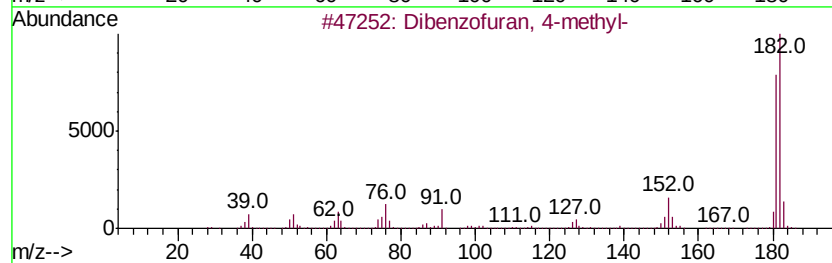
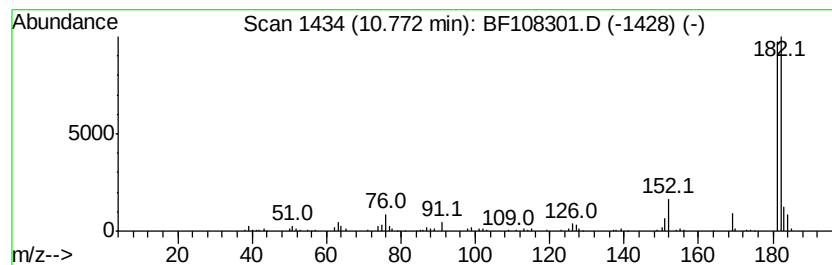
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.77	5.14 ng	291831	Acenaphthene-d10	10.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78



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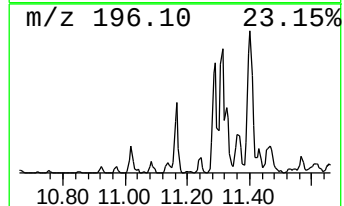
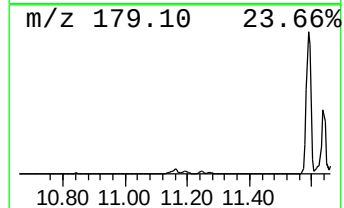
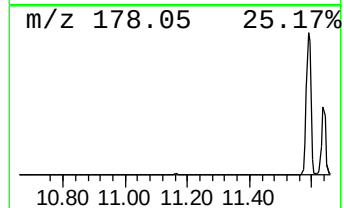
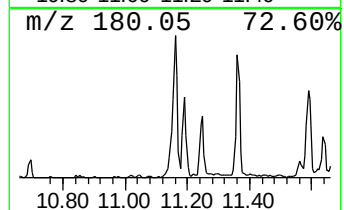
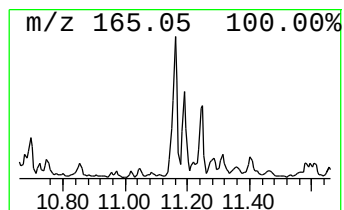
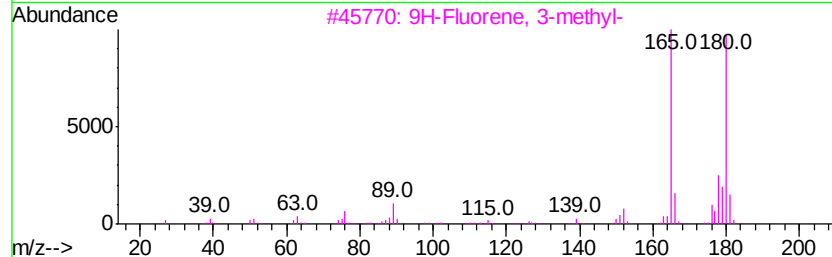
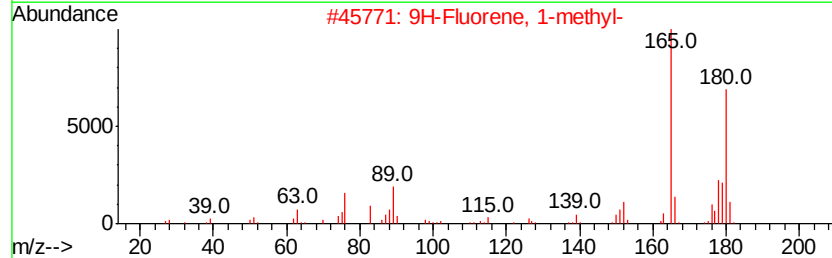
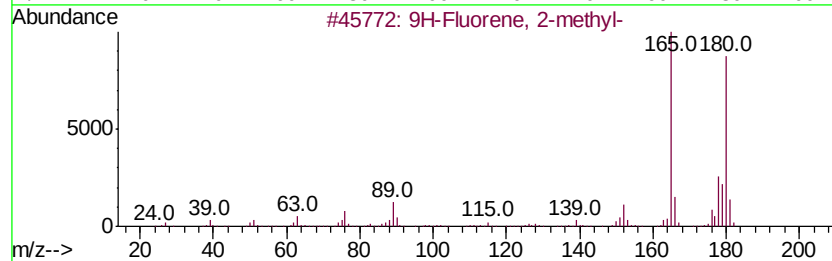
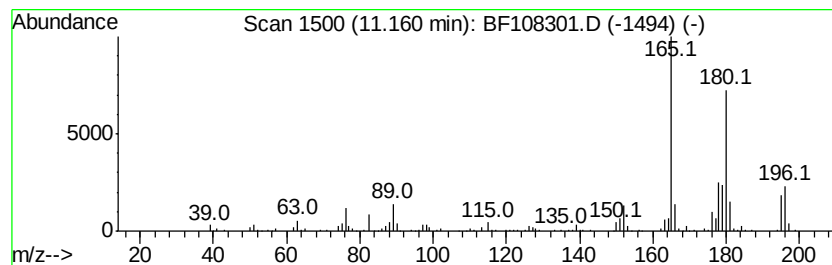
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TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	5.45 ng	312960	Phenanthrene-d10	11.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108301.D
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Operator : JU/SJ
Sample : J4521-28 2X
Misc :
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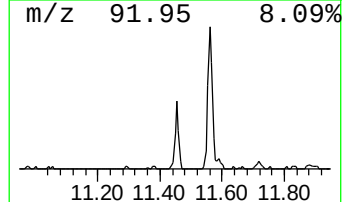
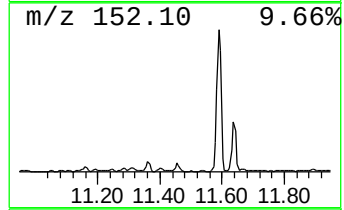
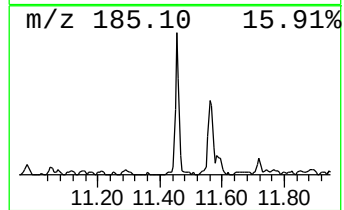
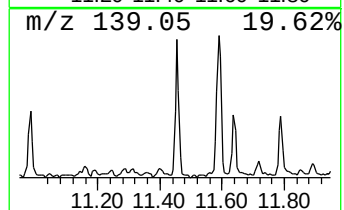
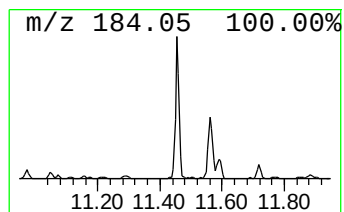
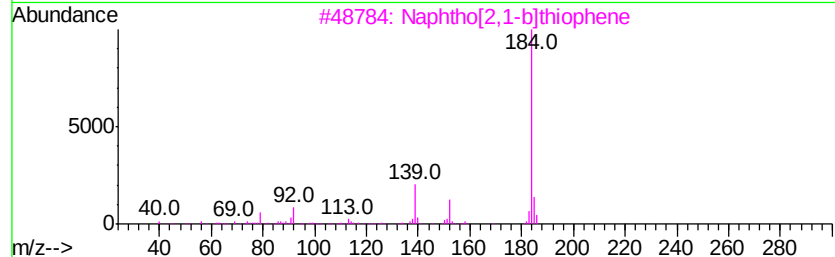
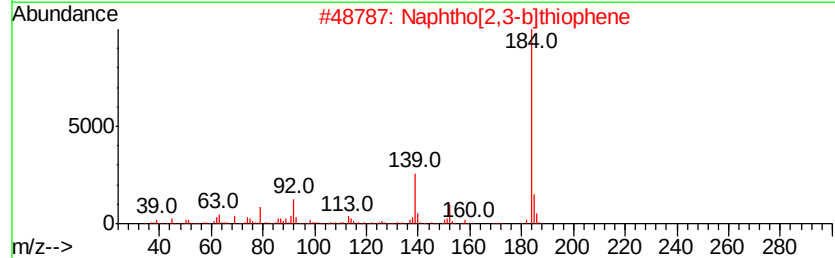
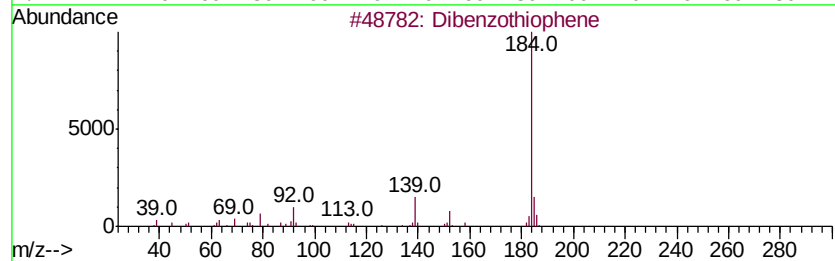
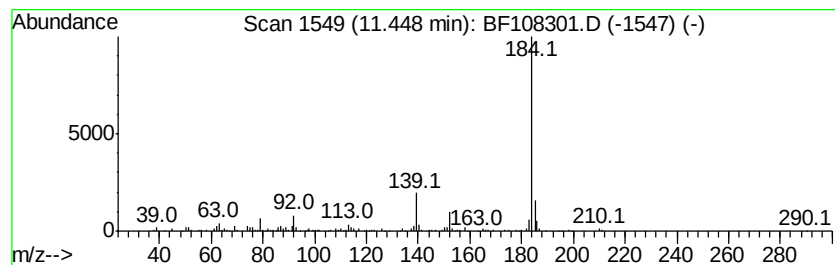
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.45	6.13 ng	352110	Phenanthrene-d10	11.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108301.D
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Instrument :
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ClientSampleId :
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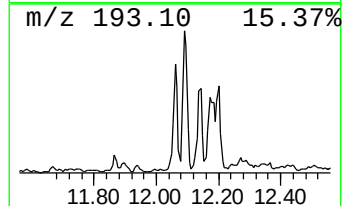
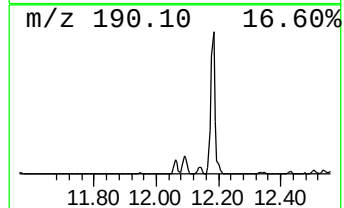
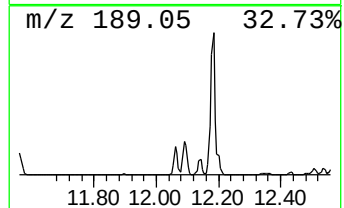
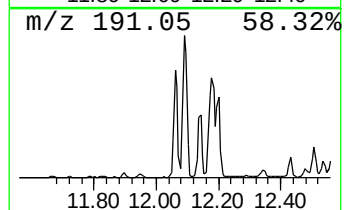
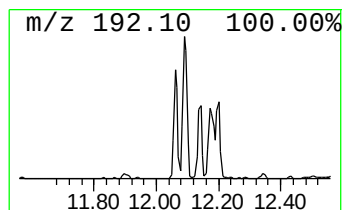
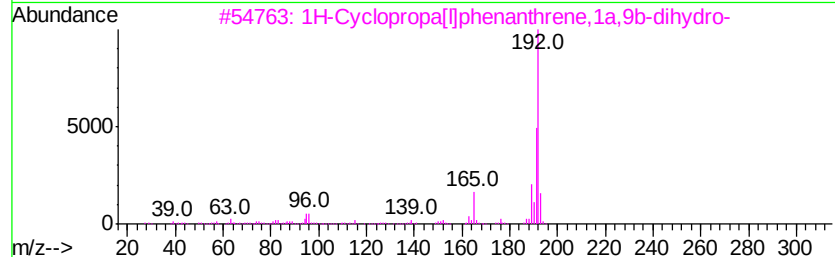
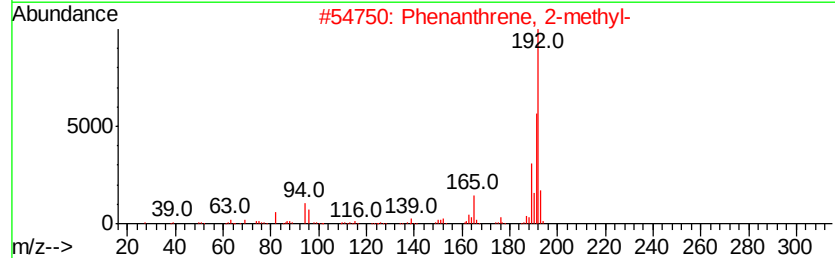
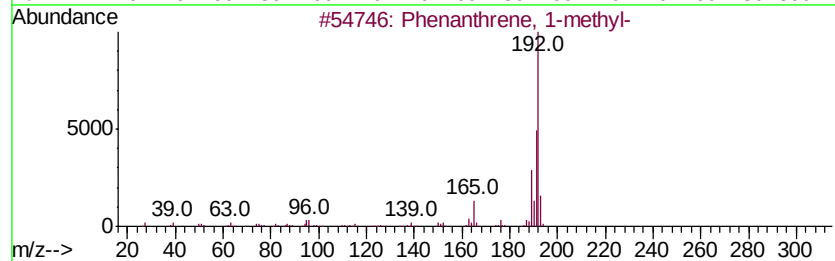
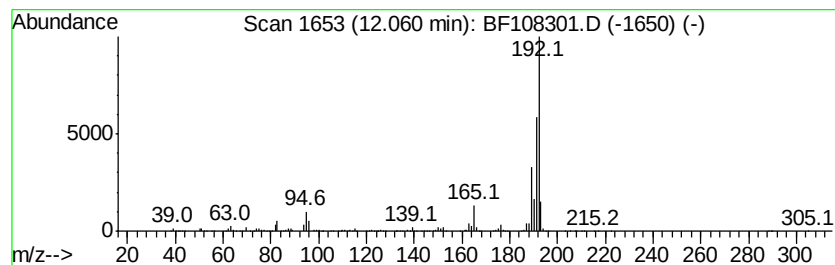
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	13.64 ng	783237	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108301.D
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Sample : J4521-28 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

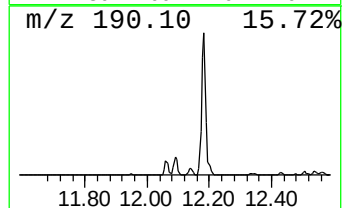
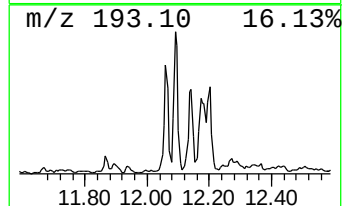
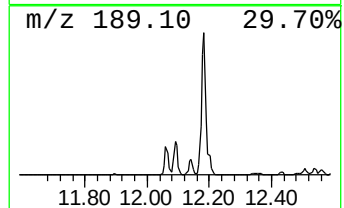
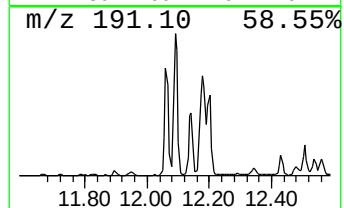
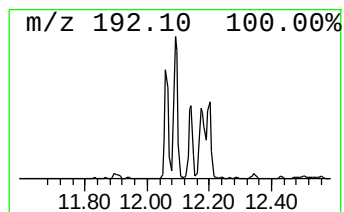
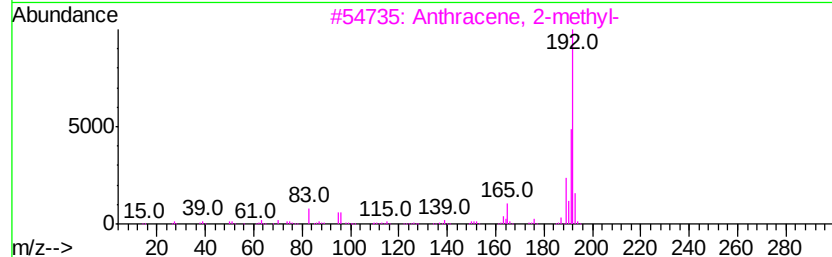
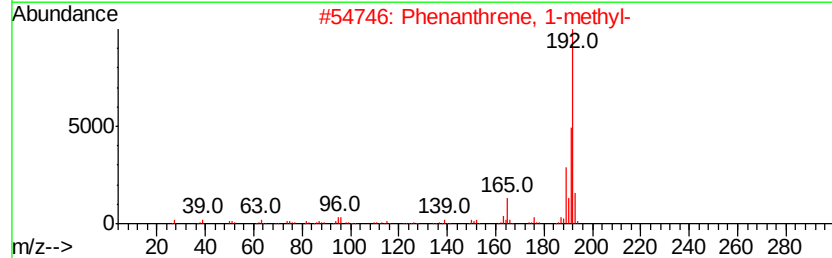
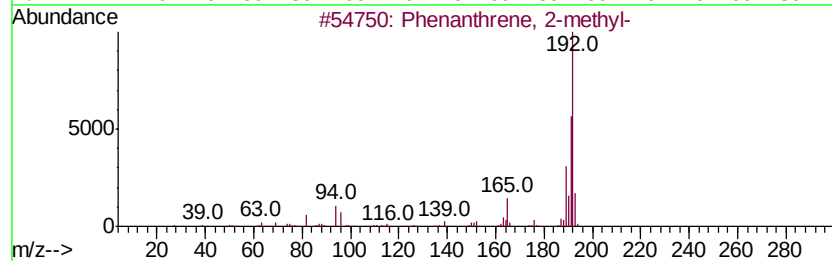
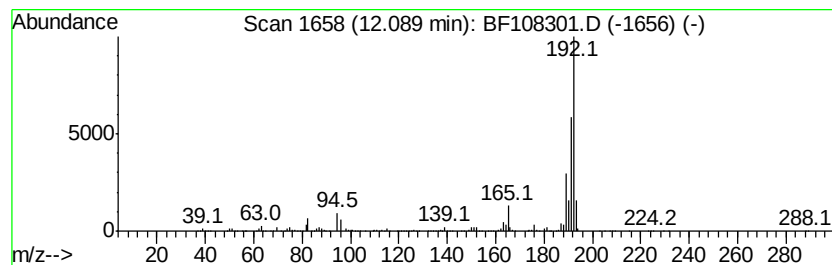
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.09	18.28 ng	1049970	Phenanthrene-d10	11.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108301.D
Acq On : 20 Aug 2018 20:18
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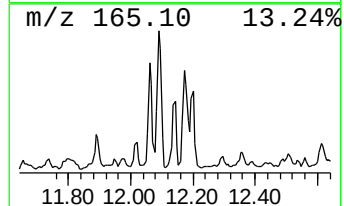
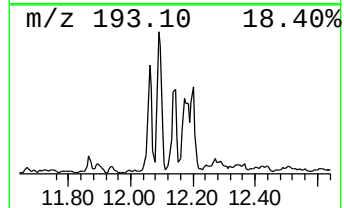
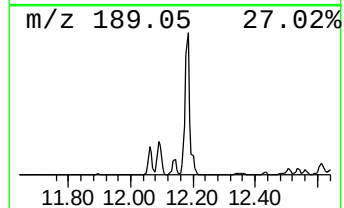
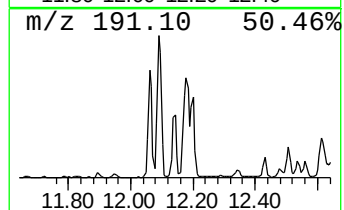
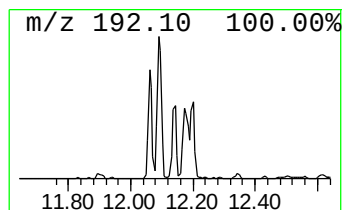
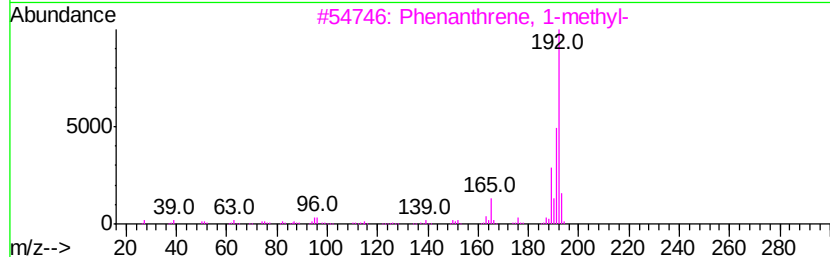
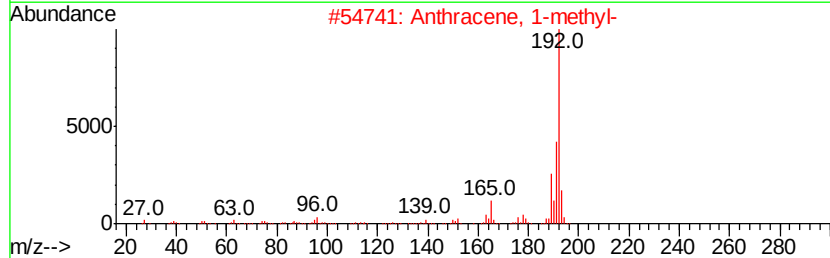
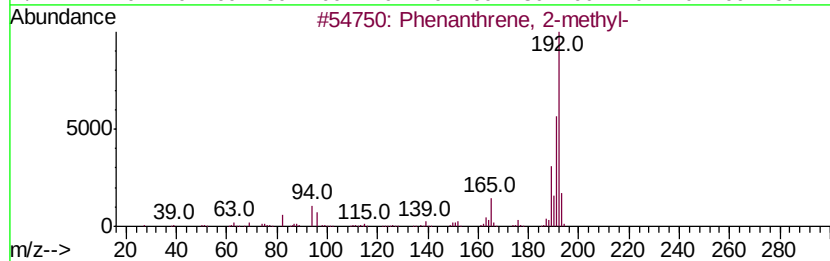
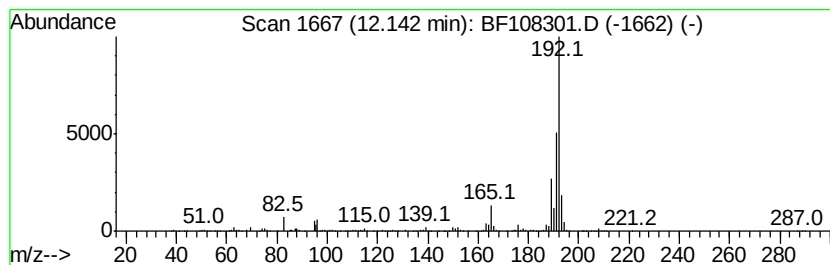
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	9.64 ng	553387	Phenanthrene-d10	11.56

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	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96



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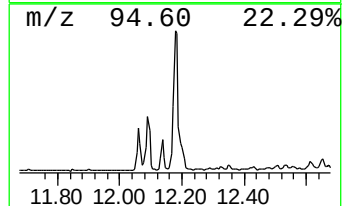
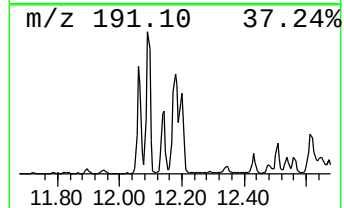
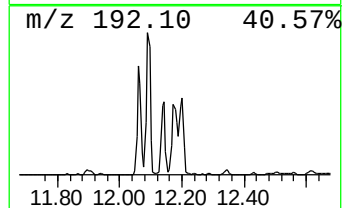
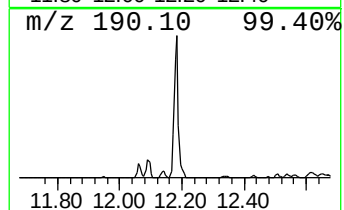
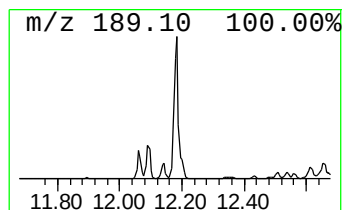
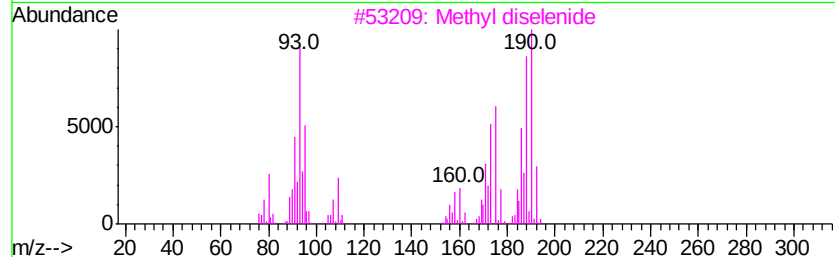
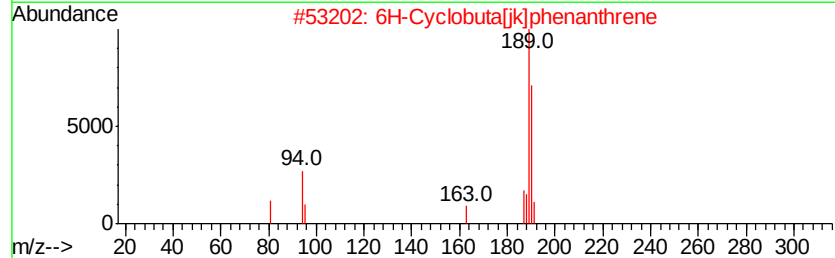
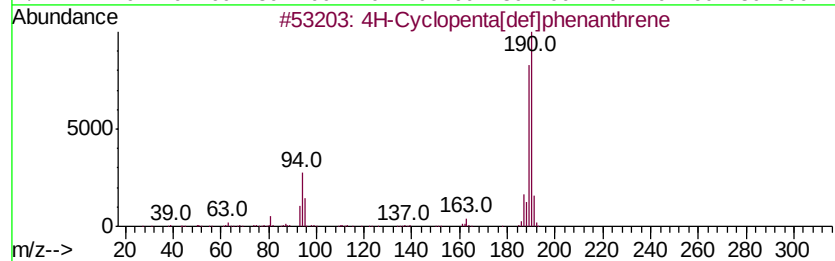
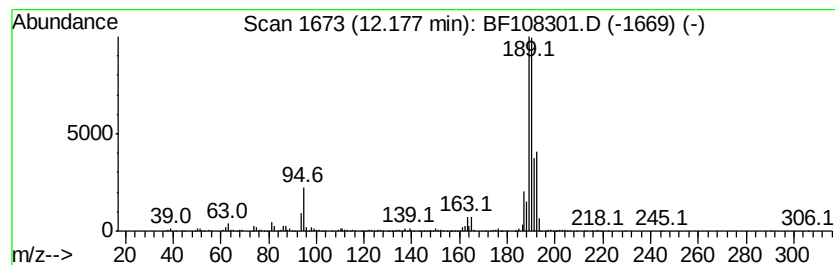
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.18	37.57 ng	2157730	Phenanthrene-d10	11.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[i]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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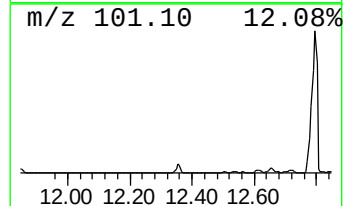
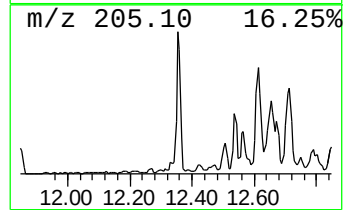
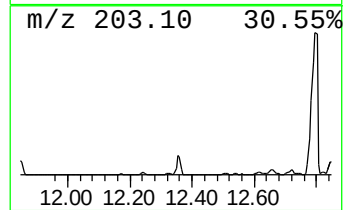
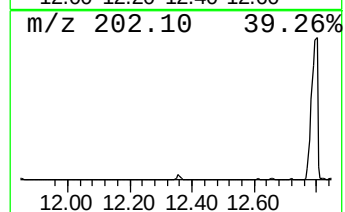
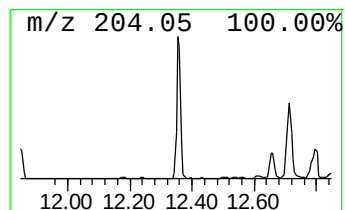
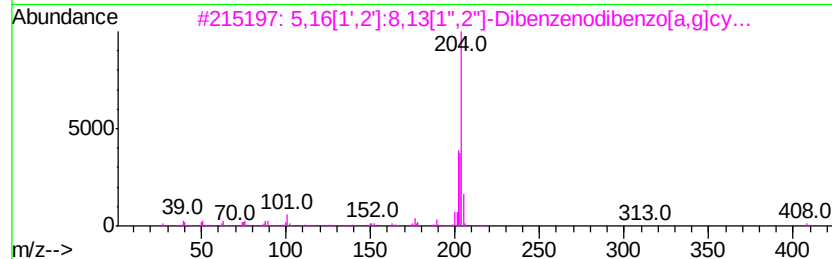
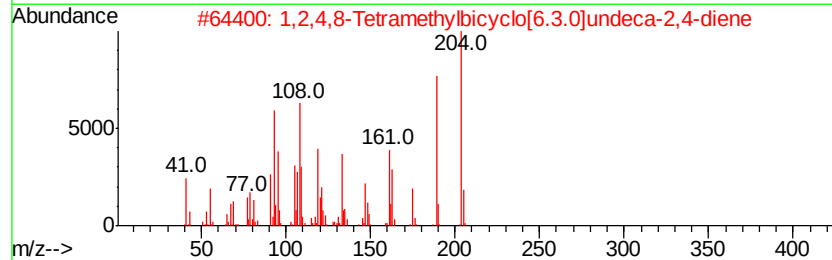
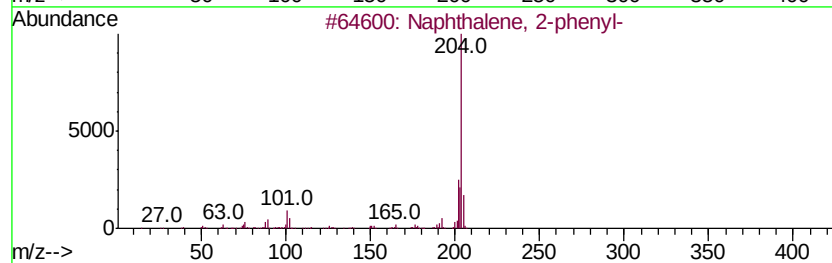
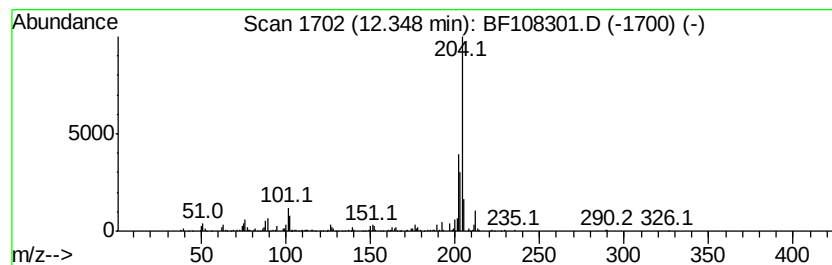
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	12.40 ng	712370	Phenanthrene-d10	11.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	86
3		5,16[1',2']-8,13[1'',2'']-Dibenzodibenzo[a,g]cy...	408	C32H24	005672-97-9	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	70
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108301.D
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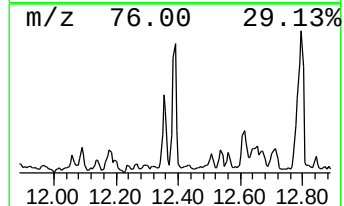
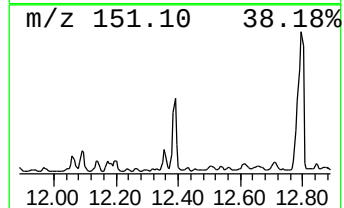
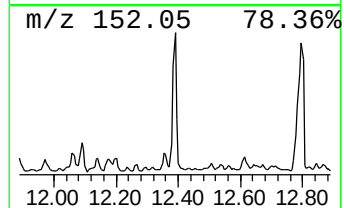
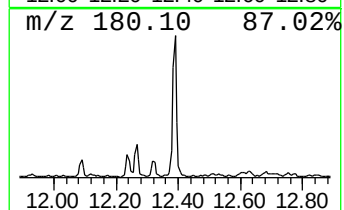
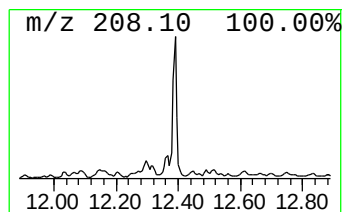
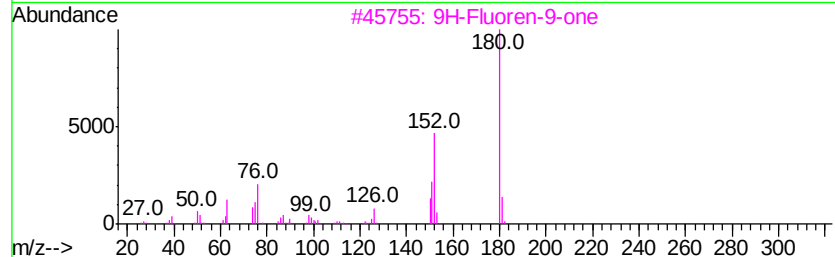
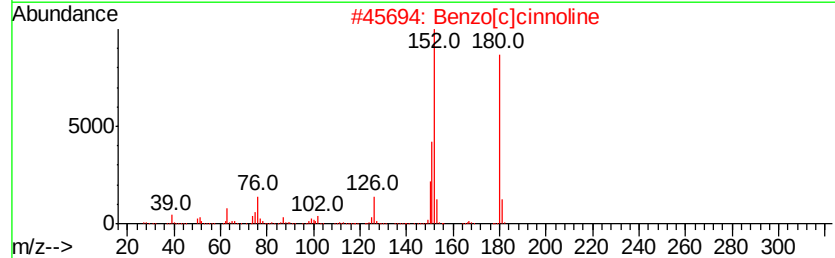
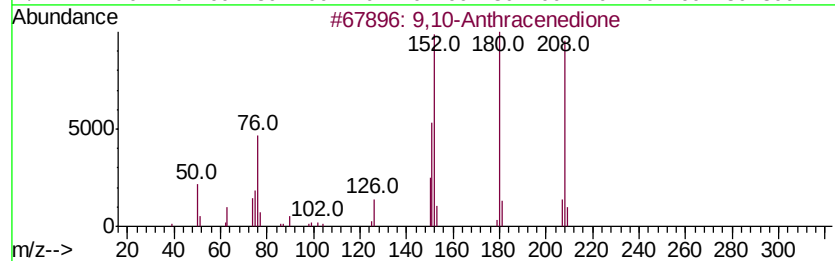
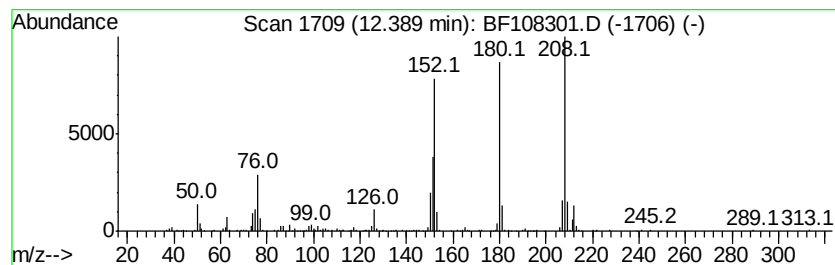
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	5.53 ng	317723	Phenanthrene-d10	11.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108301.D
Acq On : 20 Aug 2018 20:18
Operator : JU/SJ
Sample : J4521-28 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-27245

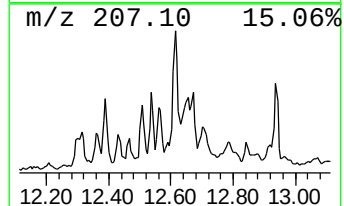
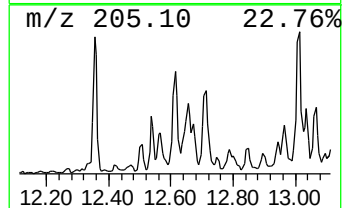
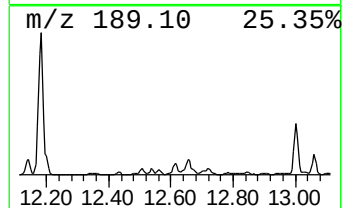
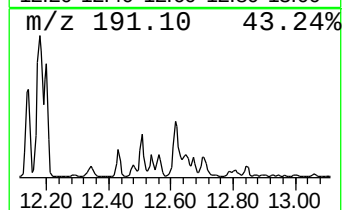
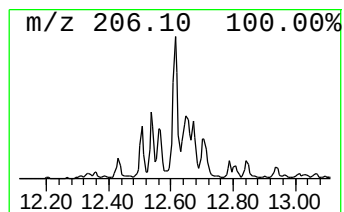
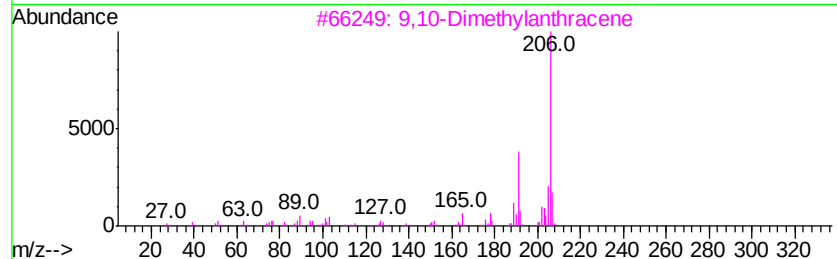
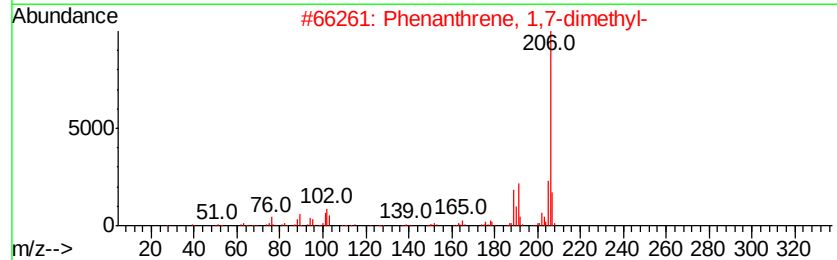
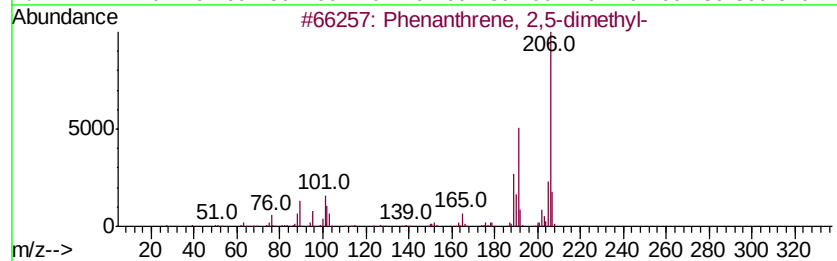
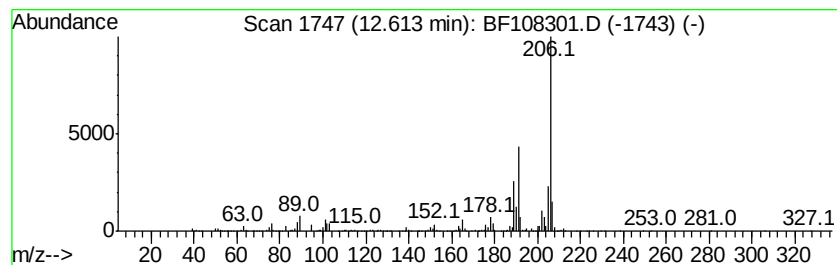
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	9.78 ng	561944	Phenanthrene-d10	11.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Instrument :
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ClientSampleId :
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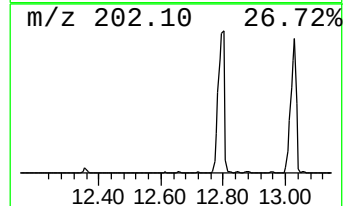
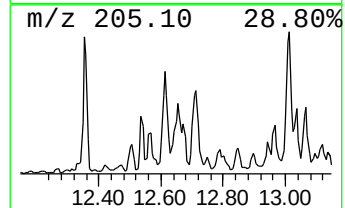
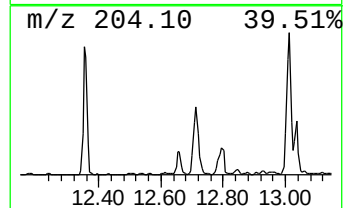
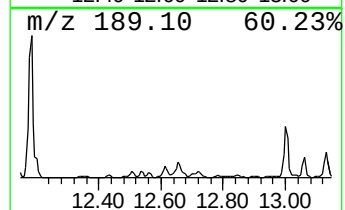
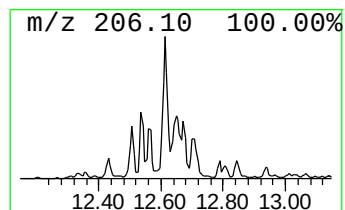
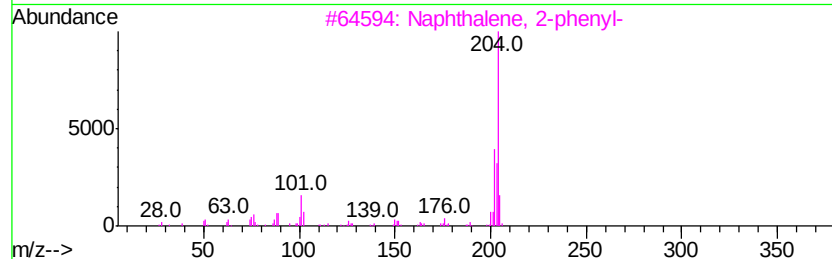
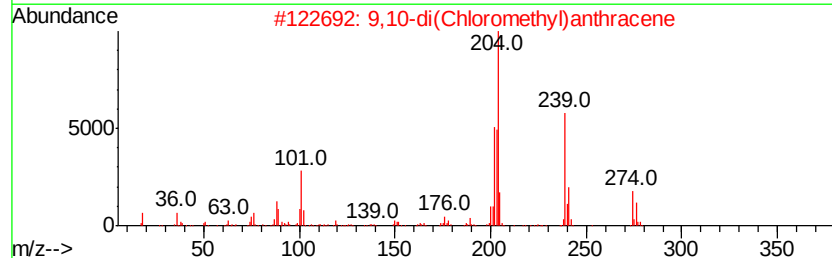
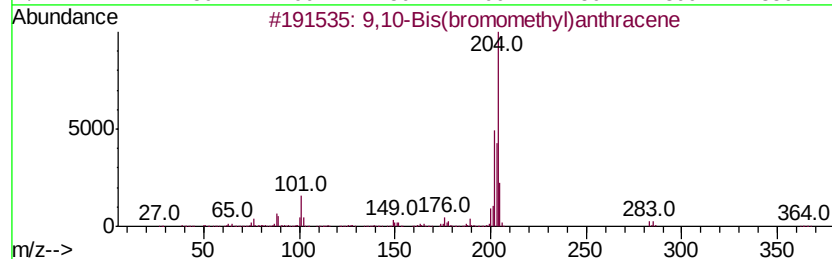
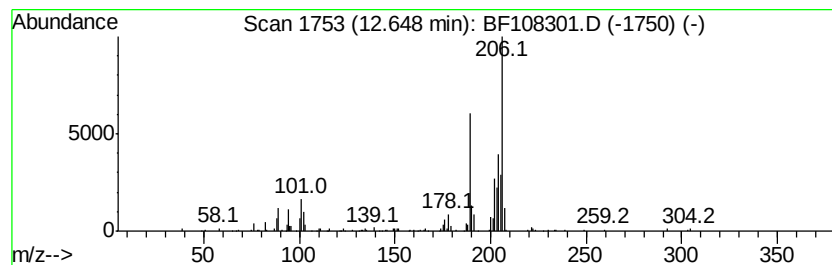
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.65 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	9.34 ng	536229	Phenanthrene-d10	11.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
2		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
4		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Sample : J4521-28 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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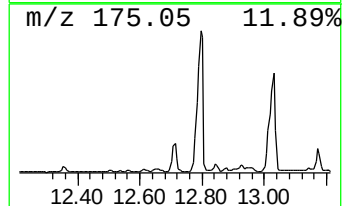
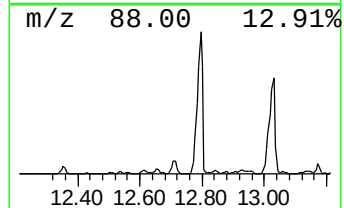
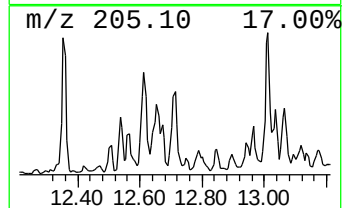
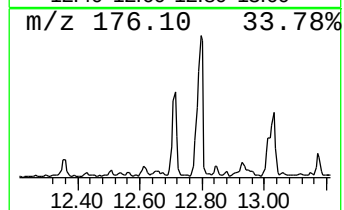
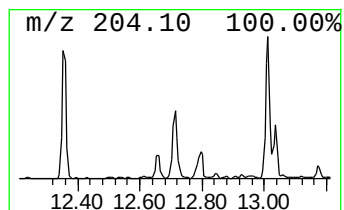
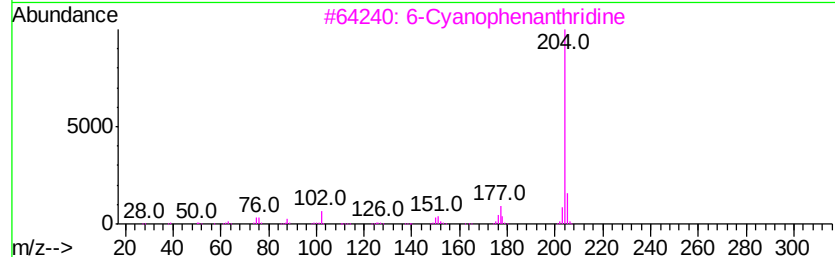
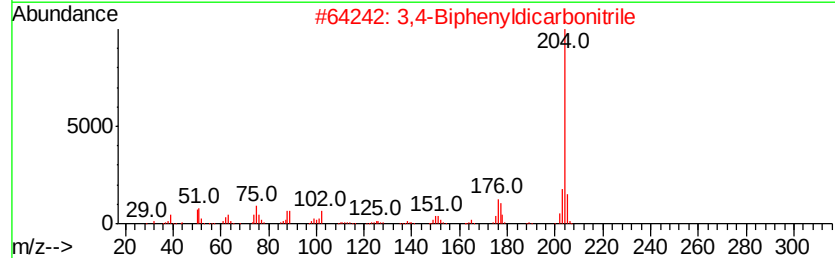
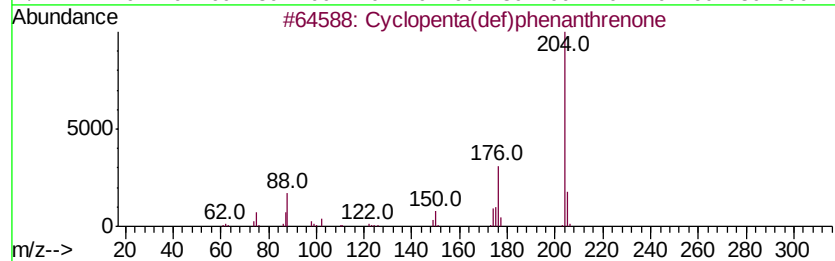
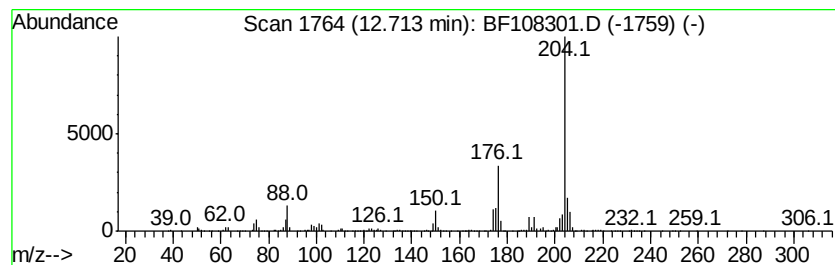
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	9.71 ng	557537	Phenanthrene-d10	11.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	58
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Sample : J4521-28 2X
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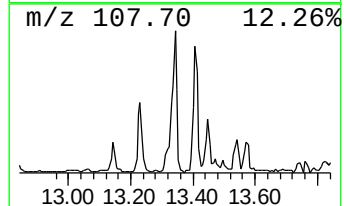
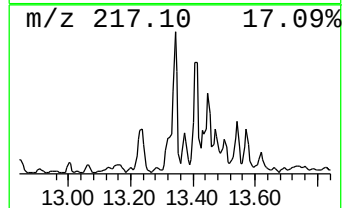
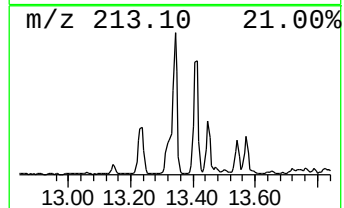
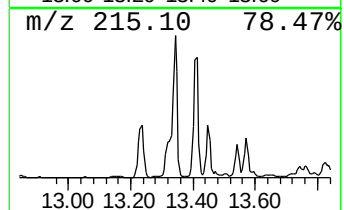
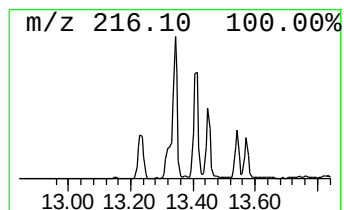
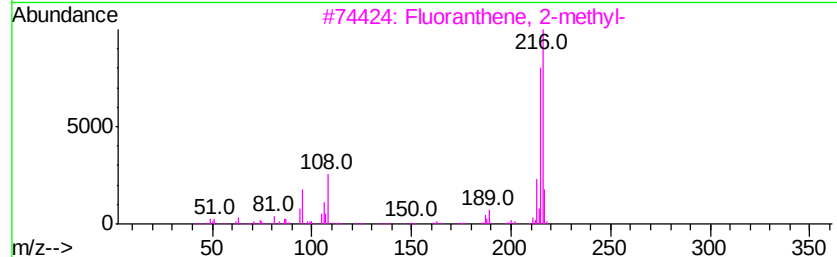
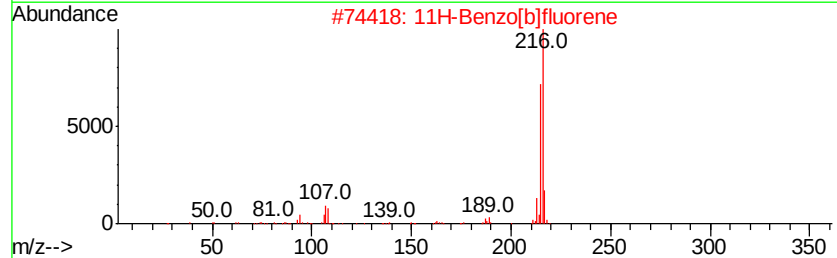
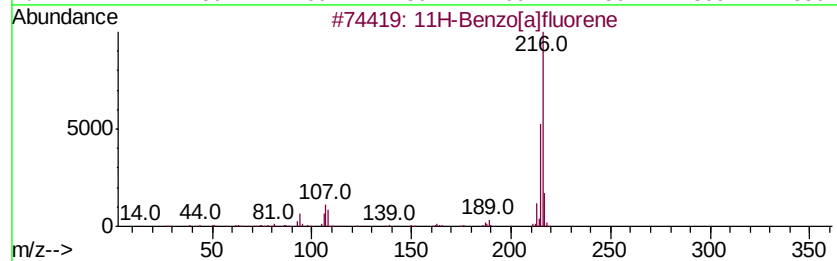
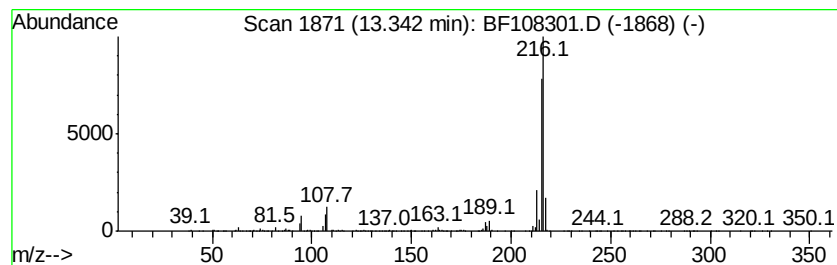
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	5.32 ng	1663800	Chrysene-d12	14.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 95
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
4		Pyrene, 1-methyl-	216 C17H12	002381-21-7 87
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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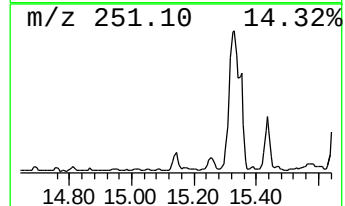
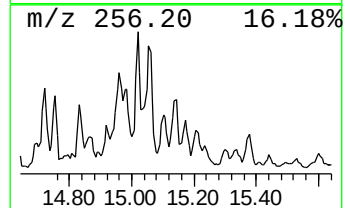
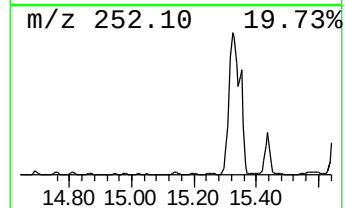
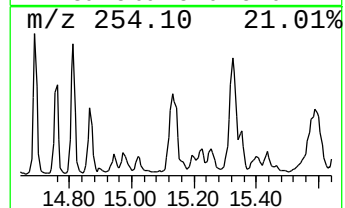
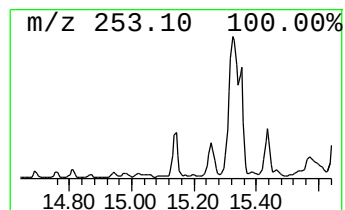
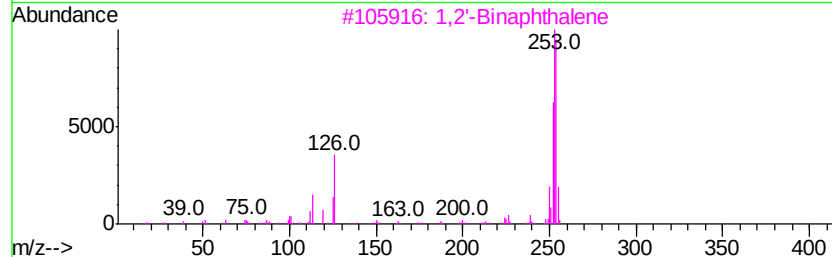
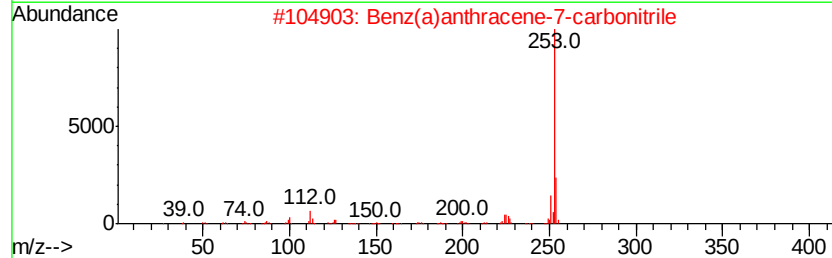
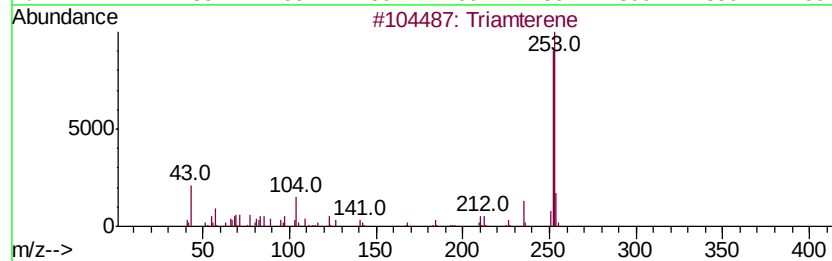
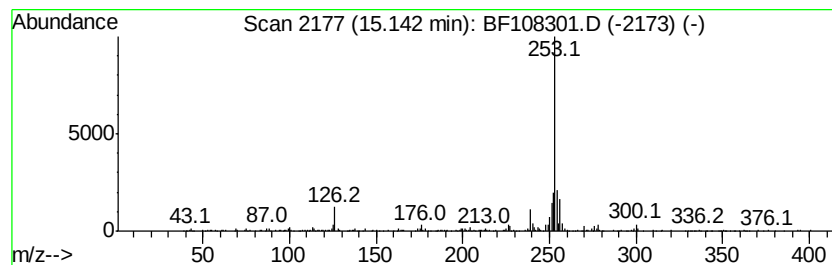
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown15.14 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	9.89 ng	382711	Perylene-d12	15.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triamterene	253	C12H11N7	000396-01-0	47
2		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	47
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	38
4		Phthalic acid, 3,4-dimethylpheny...	374	C24H22O4	1000315-70-6	37
5		Phthalic acid, di(3,5-dimethylph...	374	C24H22O4	1000309-79-1	37



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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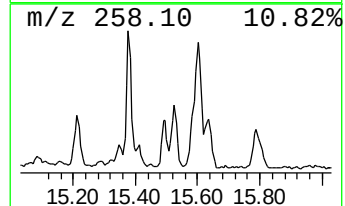
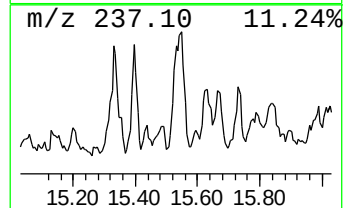
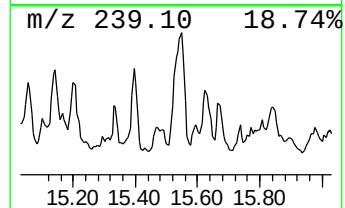
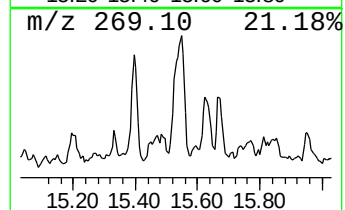
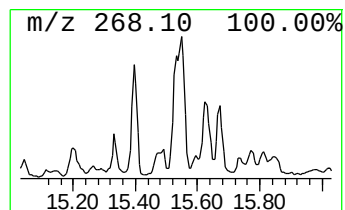
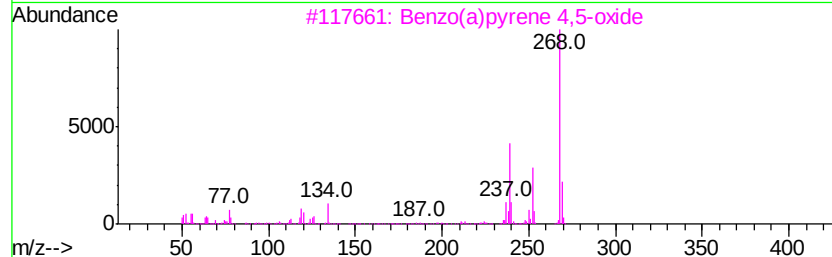
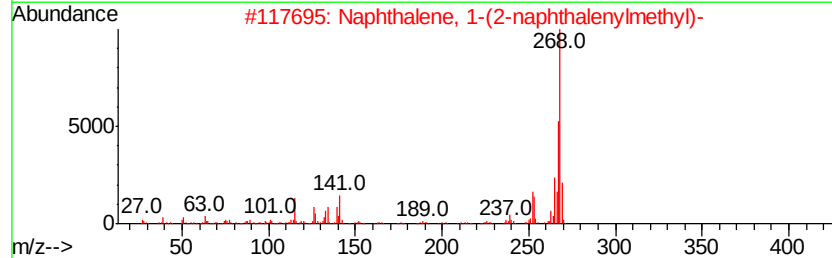
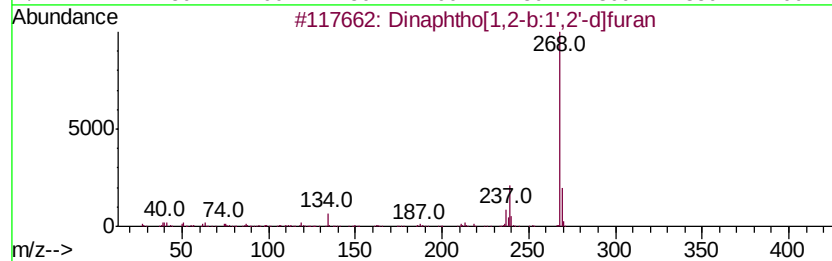
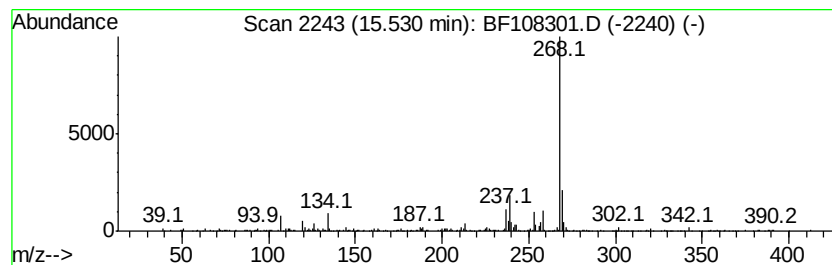
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.42 ng	209846	Perylene-d12	15.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2		Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	59
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
4		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5		Tricyclo[3.3.1.1<3,7>]decane, tri...	268	C20H28	030541-56-1	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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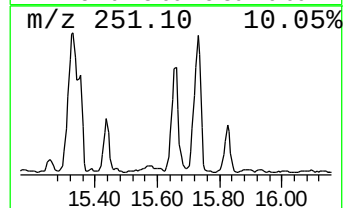
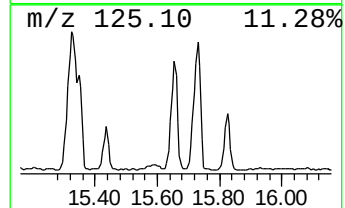
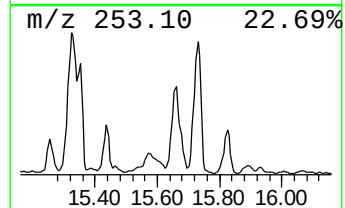
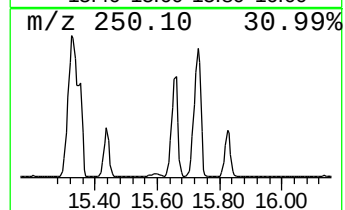
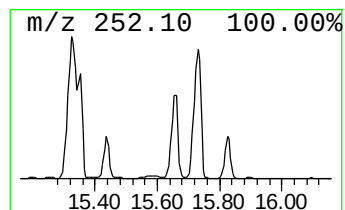
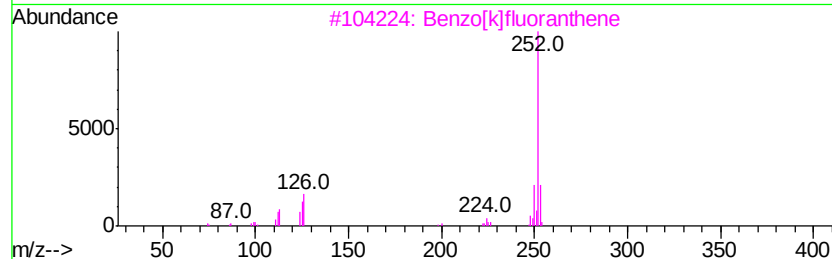
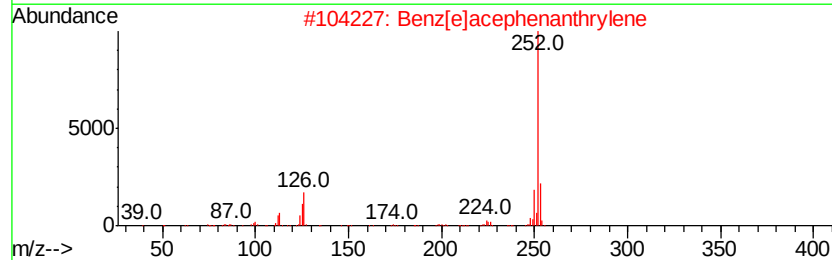
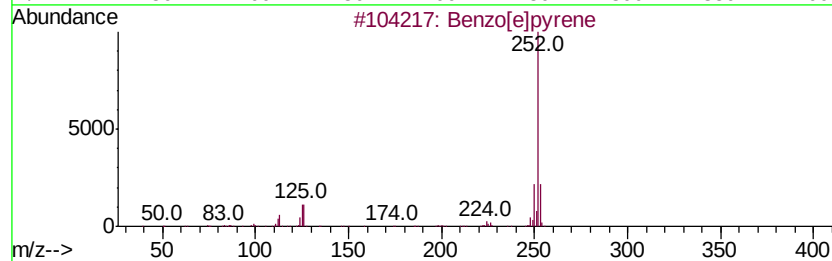
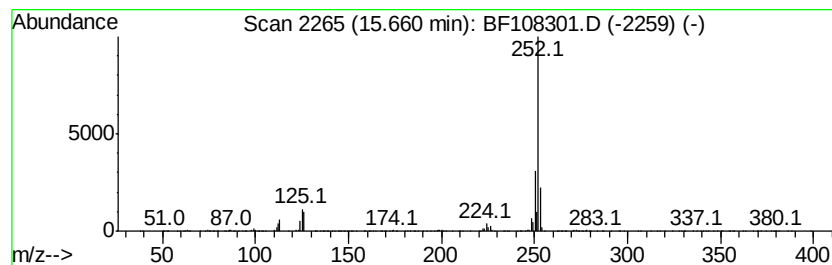
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	54.55 ng	2111160	Perylene-d12	15.79

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108301.D
 Acq On : 20 Aug 2018 20:18
 Operator : JU/SJ
 Sample : J4521-28 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
unknown6.78	6.78	35.0	ng	1761020	1	7.02	1004780	20.0
Dibenzofuran, 4-m...	10.77	5.1	ng	291831	3	10.06	1135610	20.0
9H-Fluorene, 2-me...	11.16	5.5	ng	312960	4	11.56	1148600	20.0
Dibenzothiophene	11.45	6.1	ng	352110	4	11.56	1148600	20.0
Phenanthrene, 1-m...	12.06	13.6	ng	783237	4	11.56	1148600	20.0
Phenanthrene, 2-m...	12.09	18.3	ng	1049970	4	11.56	1148600	20.0
Anthracene, 1-met...	12.14	9.6	ng	553387	4	11.56	1148600	20.0
4H-Cyclopenta[def...	12.18	37.6	ng	2157730	4	11.56	1148600	20.0
Naphthalene, 2-ph...	12.35	12.4	ng	712370	4	11.56	1148600	20.0
9,10-Anthracenedione	12.39	5.5	ng	317723	4	11.56	1148600	20.0
Phenanthrene, 2,5...	12.61	9.8	ng	561944	4	11.56	1148600	20.0
unknown12.65	12.65	9.3	ng	536229	4	11.56	1148600	20.0
Cyclopenta(def)ph...	12.71	9.7	ng	557537	4	11.56	1148600	20.0
11H-Benzo[a]fluorene	13.34	5.3	ng	1663800	5	14.22	6255820	20.0
unknown15.14	15.14	9.9	ng	382711	6	15.79	773992	20.0
Dinaphtho[1,2-b:1...	15.53	5.4	ng	209846	6	15.79	773992	20.0
Benzo[e]pyrene	15.66	54.5	ng	2111160	6	15.79	773992	20.0
unknown16.41	16.41	6.0	ng	231463	6	15.79	773992	20.0