

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110218\
 Data File : BF110421.D
 Acq On : 2 Nov 2018 19:34
 Operator : JU/SJ
 Sample : J5759-21 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

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-BF102318.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	5.575	590	593	602	rBV	53003	66159	1.65%	0.171%
2	6.575	759	763	772	rBV	52773	82936	2.07%	0.215%
3	6.722	785	788	796	rBV	94126	88877	2.22%	0.230%
4	6.951	824	827	841	rBV	588174	573379	14.34%	1.484%
5	7.110	850	854	864	rBV	62161	65639	1.64%	0.170%
6	8.239	1041	1046	1062	rBV	725044	835680	20.90%	2.163%
7	9.051	1180	1184	1197	rVB	63059	73052	1.83%	0.189%
8	9.310	1224	1228	1237	rBV	100022	95121	2.38%	0.246%
9	9.651	1282	1286	1289	rBV	101593	101814	2.55%	0.263%
10	9.769	1302	1306	1314	rBV	57957	64096	1.60%	0.166%
11	9.992	1341	1344	1348	rBV	805707	752185	18.81%	1.947%
12	10.028	1348	1350	1358	rVB	288617	230818	5.77%	0.597%
13	10.198	1375	1379	1382	rBV2	74960	93991	2.35%	0.243%
14	10.398	1408	1413	1420	rBV3	67138	105026	2.63%	0.272%
15	10.545	1434	1438	1443	rBV	185098	188323	4.71%	0.487%
16	10.786	1476	1479	1482	rBV3	55728	68447	1.71%	0.177%
17	11.092	1524	1531	1533	rBV2	84509	132512	3.31%	0.343%
18	11.122	1533	1536	1538	rVV2	75978	72897	1.82%	0.189%
19	11.292	1560	1565	1569	rBV	194351	186607	4.67%	0.483%
20	11.327	1569	1571	1578	rVV4	93070	135068	3.38%	0.350%
21	11.380	1578	1580	1585	rVB	160484	152677	3.82%	0.395%
22	11.486	1594	1598	1600	rBV	660336	673754	16.85%	1.744%
23	11.516	1600	1603	1606	rVV	2938364	2747496	68.72%	7.110%
24	11.563	1608	1611	1615	rVB	657133	521180	13.04%	1.349%
25	11.716	1633	1637	1641	rBV2	116451	164341	4.11%	0.425%
26	11.751	1641	1643	1645	rVV2	73479	64882	1.62%	0.168%
27	11.774	1645	1647	1650	rVV	135980	118951	2.98%	0.308%
28	11.816	1651	1654	1659	rVB	127268	140438	3.51%	0.363%
29	11.986	1680	1683	1686	rVV	615000	592695	14.82%	1.534%
30	12.016	1686	1688	1692	rVB	690440	632530	15.82%	1.637%
31	12.063	1692	1696	1699	rBV	219779	216956	5.43%	0.561%
32	12.104	1699	1703	1705	rVV2	731053	906850	22.68%	2.347%
33	12.122	1705	1706	1710	rVB	466400	351230	8.78%	0.909%
34	12.163	1710	1713	1716	rBV3	89570	79856	2.00%	0.207%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.280	1730	1733	1736	rVV	412517	386719	9.67%	1.001%
36	12.316	1736	1739	1744	rVB	365558	324863	8.13%	0.841%
37	12.357	1744	1746	1748	rBV	103515	71080	1.78%	0.184%
38	12.433	1756	1759	1762	rVB	146214	125263	3.13%	0.324%
39	12.463	1762	1764	1766	rVB	137553	97378	2.44%	0.252%
40	12.486	1766	1768	1771	rVB	111709	88780	2.22%	0.230%
41	12.539	1773	1777	1780	rBV	422739	476627	11.92%	1.233%
42	12.574	1780	1783	1785	rVV3	141707	169150	4.23%	0.438%
43	12.598	1785	1787	1789	rVB	121776	93762	2.35%	0.243%
44	12.633	1789	1793	1797	rBV2	334216	393560	9.84%	1.018%
45	12.710	1801	1806	1809	rBV	2703498	2859642	71.52%	7.400%
46	12.769	1814	1816	1819	rVB3	112967	102451	2.56%	0.265%
47	12.839	1823	1828	1830	rBV3	100744	134394	3.36%	0.348%
48	12.857	1830	1831	1834	rVB2	98070	64821	1.62%	0.168%
49	12.945	1839	1846	1849	rBV	3235219	3998187	100.00%	10.347%
50	12.980	1849	1852	1856	rVB2	176785	200890	5.02%	0.520%
51	13.063	1856	1866	1868	rBV3	125473	241294	6.04%	0.624%
52	13.092	1868	1871	1874	rVB2	113829	135177	3.38%	0.350%
53	13.151	1876	1881	1888	rBV3	286117	521426	13.04%	1.349%
54	13.239	1892	1896	1898	rBV3	234776	345398	8.64%	0.894%
55	13.327	1909	1911	1914	rBV2	88973	74279	1.86%	0.192%
56	13.368	1914	1918	1920	rVV	435208	427841	10.70%	1.107%
57	13.392	1920	1922	1925	rVV2	70233	78625	1.97%	0.203%
58	13.463	1930	1934	1936	rBV	354685	313596	7.84%	0.812%
59	13.492	1936	1939	1942	rVV	374713	348606	8.72%	0.902%
60	13.574	1950	1953	1957	rVB5	57946	63909	1.60%	0.165%
61	13.774	1983	1987	1990	rVB	363869	365743	9.15%	0.946%
62	13.880	2000	2005	2008	rBV2	334938	407776	10.20%	1.055%
63	13.910	2008	2010	2012	rVV	360139	282634	7.07%	0.731%
64	13.939	2012	2015	2019	rVV2	280367	330024	8.25%	0.854%
65	13.980	2019	2022	2026	rVB	323637	304862	7.63%	0.789%
66	14.051	2029	2034	2040	rBV2	75283	144560	3.62%	0.374%
67	14.127	2040	2047	2051	rBV2	1637290	2381945	59.58%	6.164%
68	14.163	2051	2053	2057	rVV	1479689	1386744	34.68%	3.589%
69	14.239	2064	2066	2072	rVV2	141614	162309	4.06%	0.420%
70	14.304	2072	2077	2082	rVB7	68247	152543	3.82%	0.395%
71	14.363	2082	2087	2089	rVB3	68498	78838	1.97%	0.204%

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72	14.392	2089	2092	2094	rBV2	80879	72340	1.81%	0.187%
73	14.451	2099	2102	2104	rVV2	82744	84988	2.13%	0.220%
74	14.480	2104	2107	2109	rVV	134630	130568	3.27%	0.338%
75	14.521	2109	2114	2116	rVV	364506	479180	11.98%	1.240%
76	14.551	2116	2119	2123	rVV	242192	311562	7.79%	0.806%
77	14.598	2123	2127	2133	rVV3	163427	317664	7.95%	0.822%
78	14.645	2133	2135	2137	rVV	176838	176171	4.41%	0.456%
79	14.668	2137	2139	2142	rVV	133701	128176	3.21%	0.332%
80	14.715	2142	2147	2154	rVB2	116581	161877	4.05%	0.419%
81	14.845	2166	2169	2171	rBV	58585	63726	1.59%	0.165%
82	15.033	2197	2201	2208	rVB3	102814	163724	4.09%	0.424%
83	15.210	2225	2231	2234	rBV	920670	1578029	39.47%	4.084%
84	15.315	2245	2249	2253	rBV	146848	166526	4.17%	0.431%
85	15.427	2262	2268	2270	rBV4	37661	83856	2.10%	0.217%
86	15.474	2272	2276	2279	rVV4	70825	122488	3.06%	0.317%
87	15.527	2280	2285	2291	rVV	653979	959921	24.01%	2.484%
88	15.598	2291	2297	2301	rVV	954459	1178018	29.46%	3.049%
89	15.657	2301	2307	2310	rVV	334849	528910	13.23%	1.369%
90	15.692	2310	2313	2320	rVB2	220591	310842	7.77%	0.804%
91	15.992	2360	2364	2367	rVB2	47729	70051	1.75%	0.181%
92	16.251	2404	2408	2413	rVB3	45072	72757	1.82%	0.188%
93	16.621	2463	2471	2479	rBV7	49986	131451	3.29%	0.340%
94	17.009	2528	2537	2540	rBV2	50542	115665	2.89%	0.299%
95	17.056	2540	2545	2558	rVB5	56763	171185	4.28%	0.443%
96	17.221	2565	2573	2581	rVB2	308581	653095	16.33%	1.690%
97	17.398	2598	2603	2609	rBV	54786	115238	2.88%	0.298%
98	17.462	2610	2614	2621	rVB2	43188	90310	2.26%	0.234%
99	17.698	2646	2654	2666	rVB	256262	575641	14.40%	1.490%
100	17.951	2690	2697	2712	rVB2	38488	116063	2.90%	0.300%

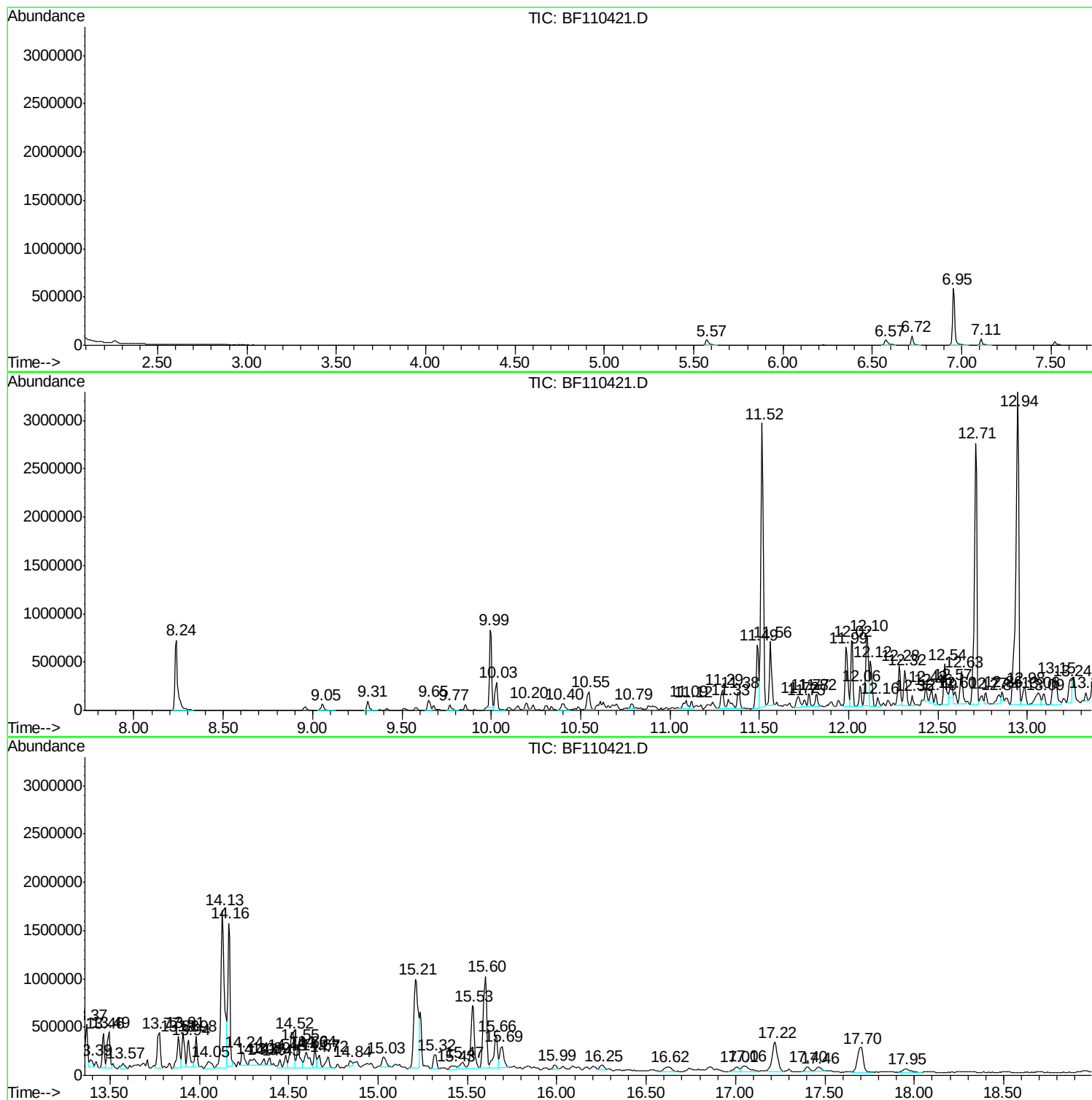
Sum of corrected areas: 38642181

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ClientSampled :
TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.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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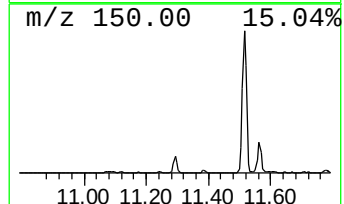
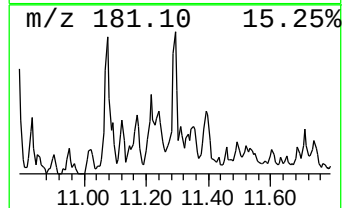
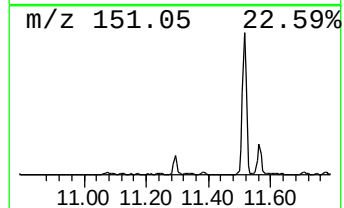
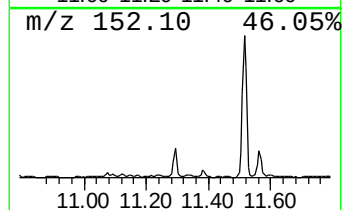
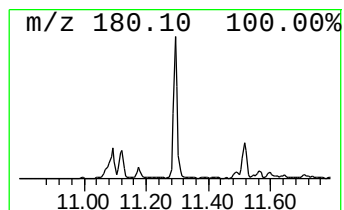
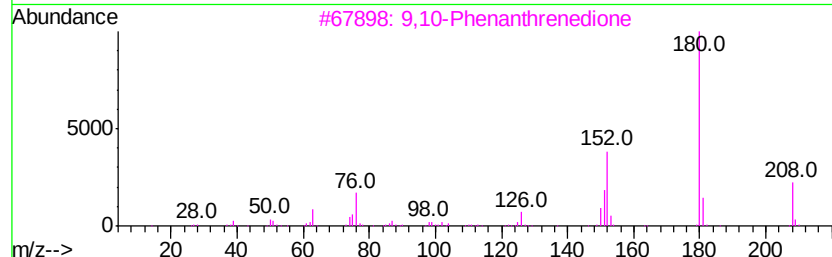
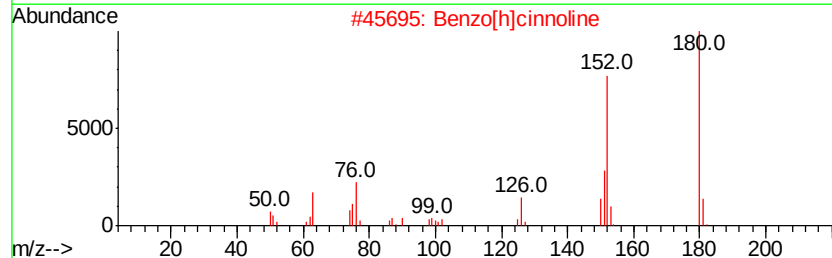
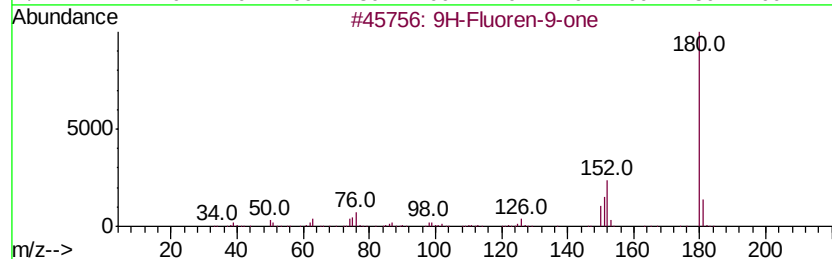
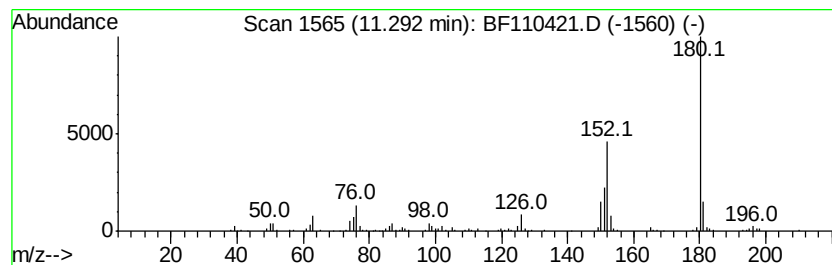
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.29	5.54 ng	186607	Phenanthrene-d10		11.49
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	72
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52



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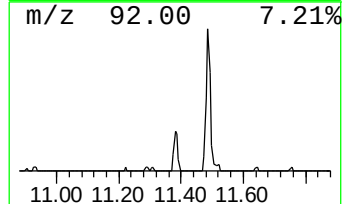
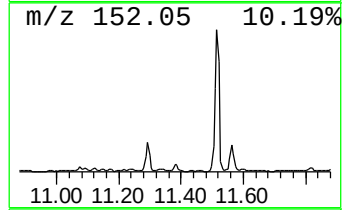
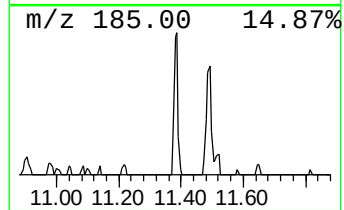
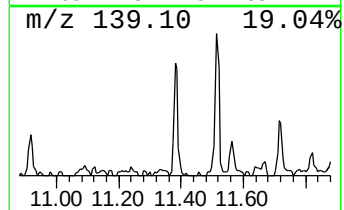
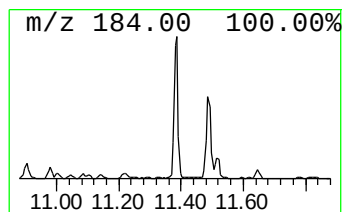
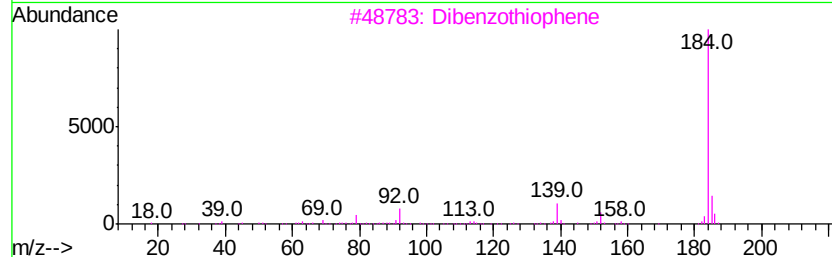
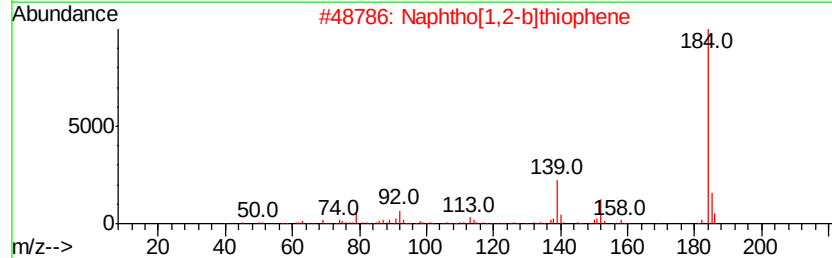
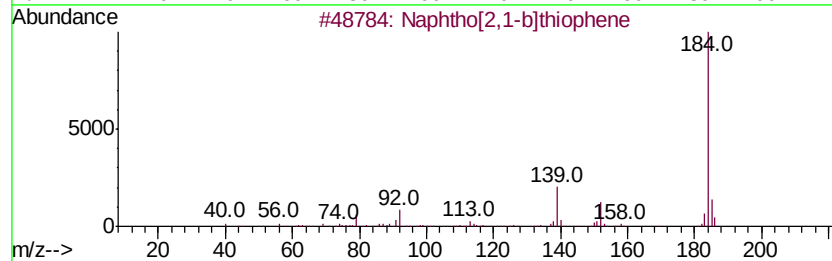
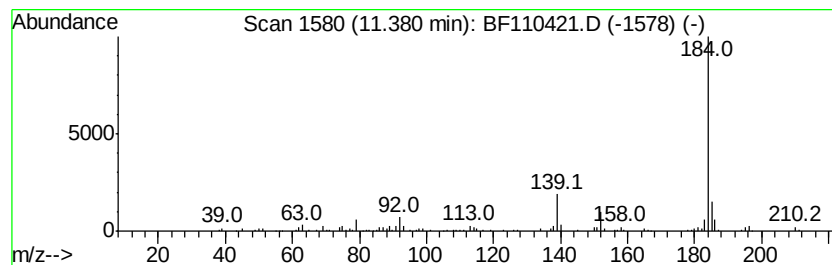
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.38	4.53 ng	152677	Phenanthrene-d10		11.49	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87



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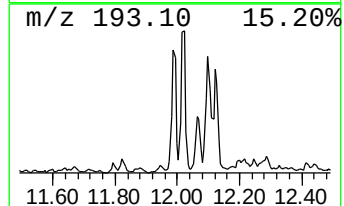
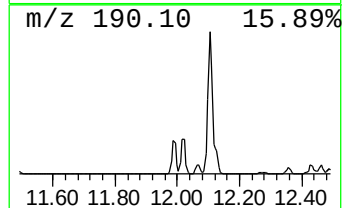
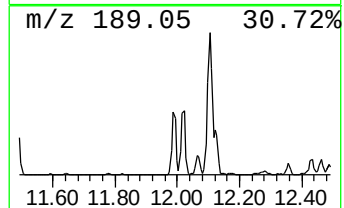
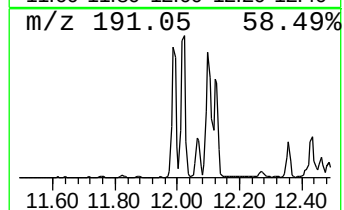
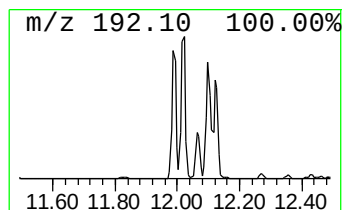
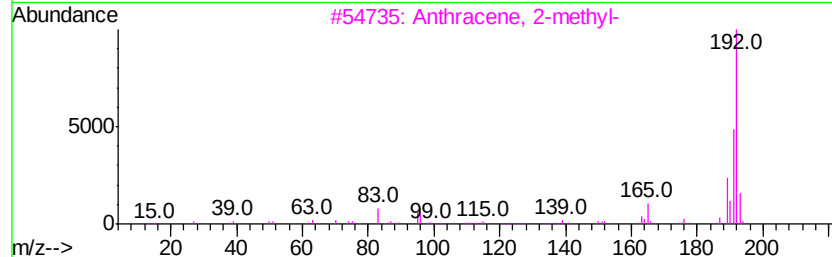
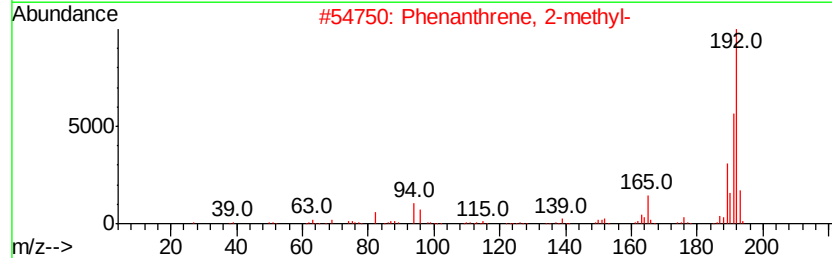
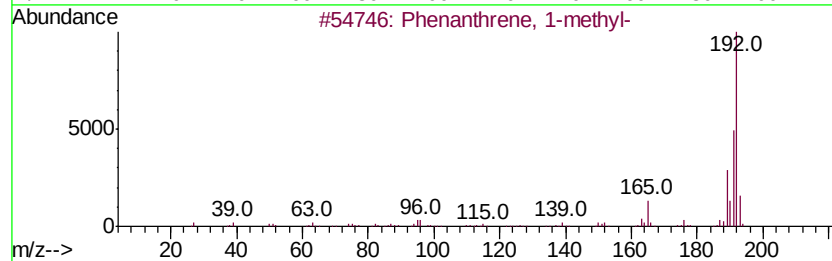
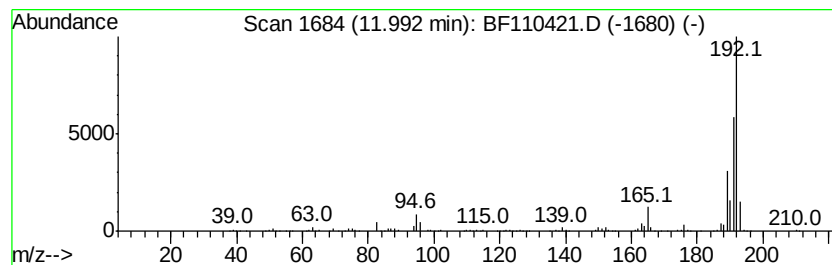
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Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.99	17.59 ng	592695	Phenanthrene-d10	11.49	
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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
Data File : BF110421.D
Acq On : 2 Nov 2018 19:34
Operator : JU/SJ
Sample : J5759-21 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6

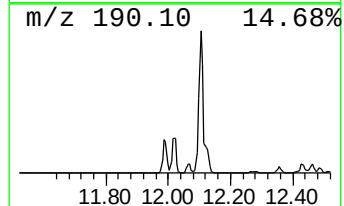
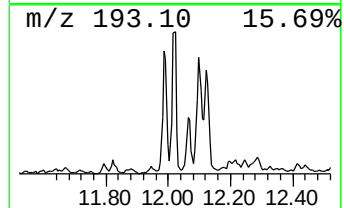
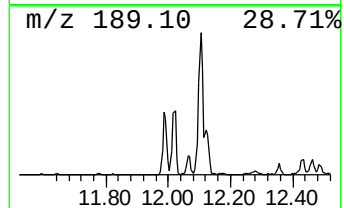
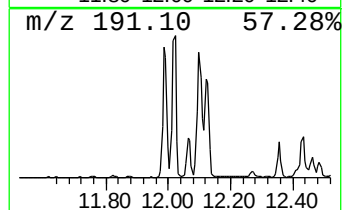
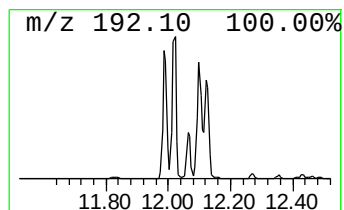
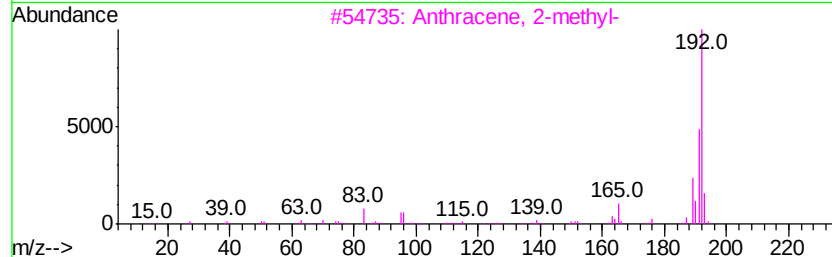
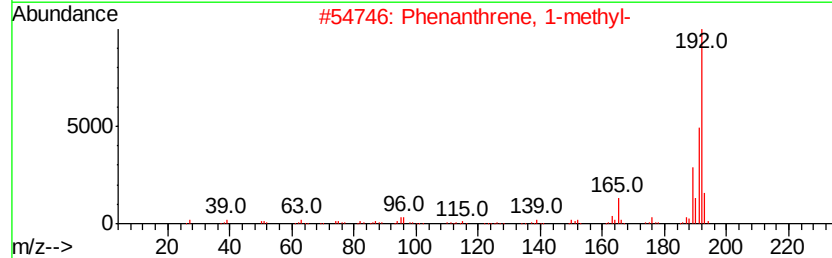
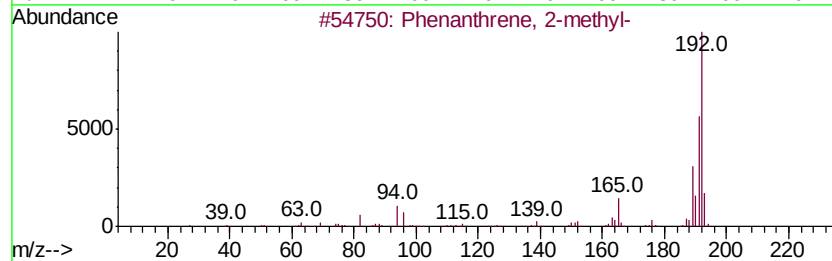
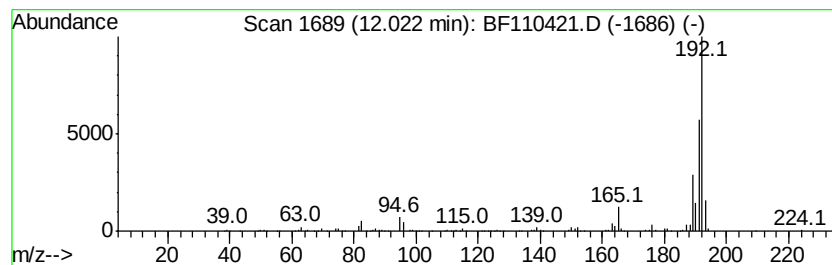
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	18.78 ng	632530	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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Operator : JU/SJ
Sample : J5759-21 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

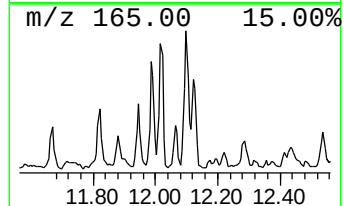
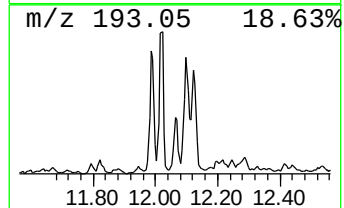
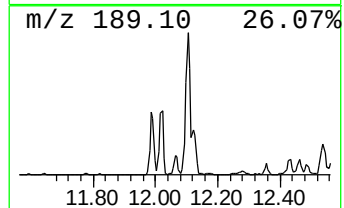
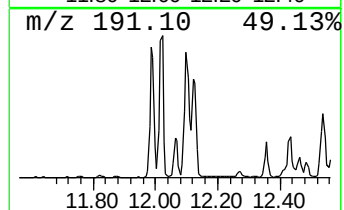
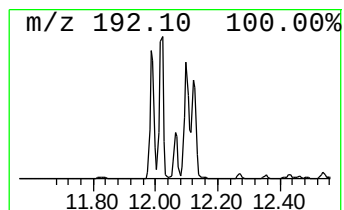
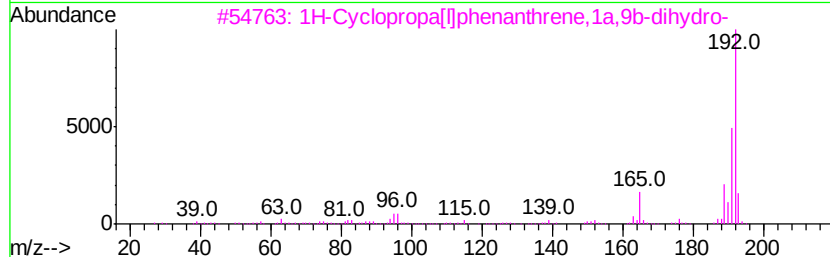
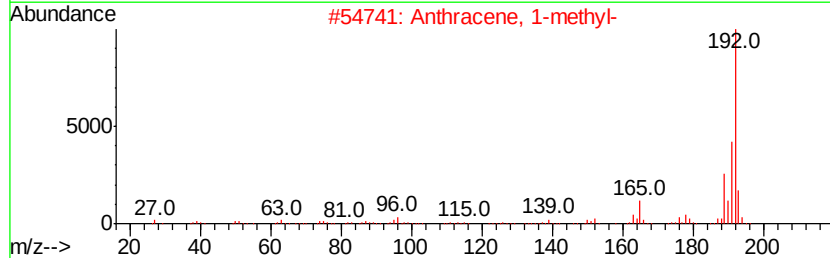
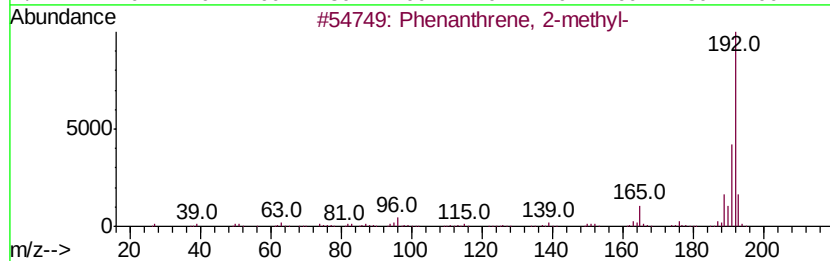
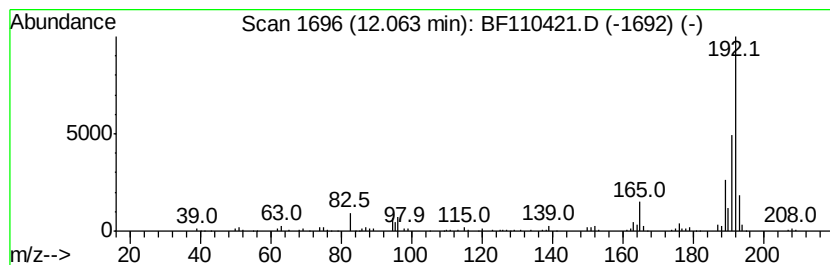
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.06	6.44 ng	216956	Phenanthrene-d10	11.49	
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	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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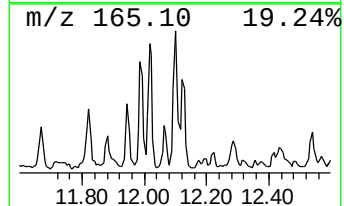
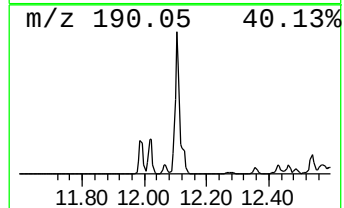
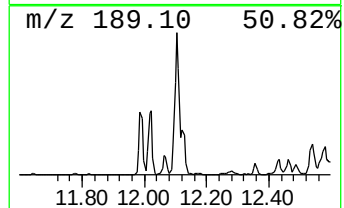
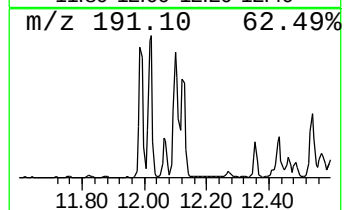
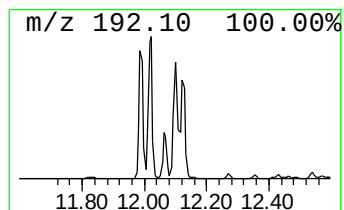
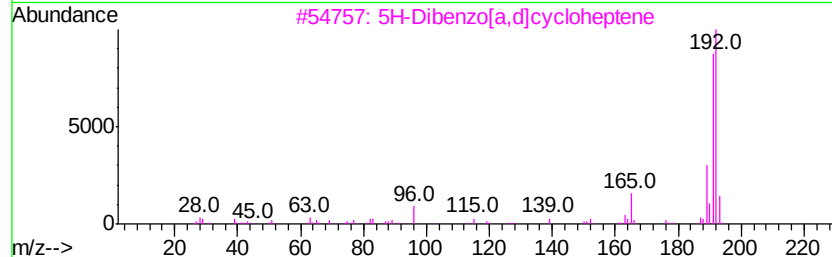
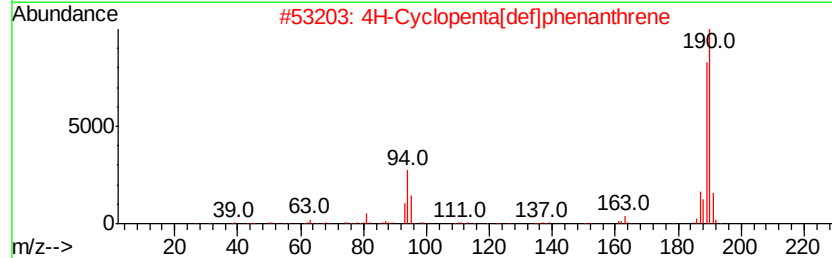
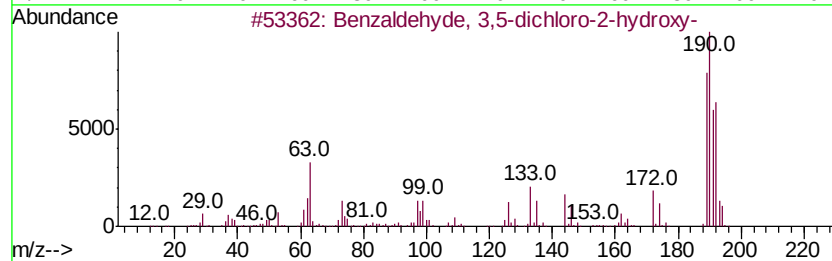
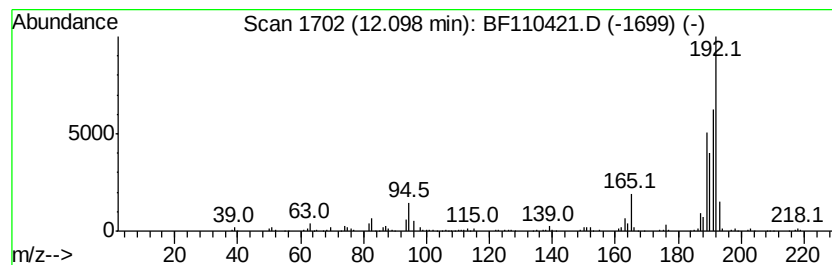
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.10	26.92 ng	906850	Phenanthrene-d10		11.49	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		5H-Dibenzofa,d]cycloheptene	192	C15H12	000256-81-5	42
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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ClientSampleId :
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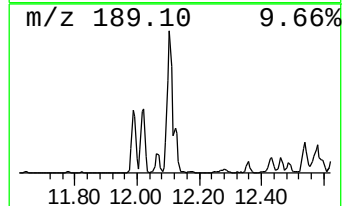
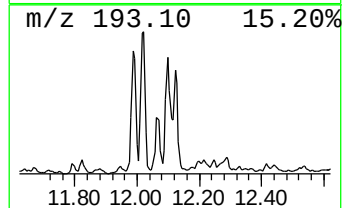
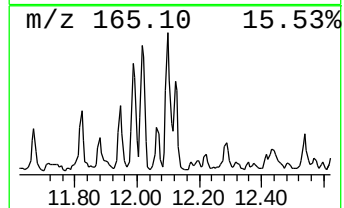
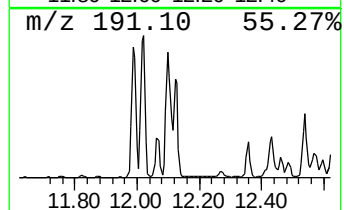
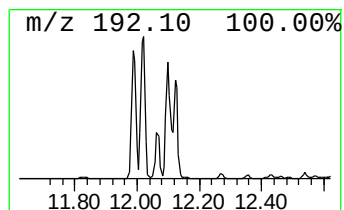
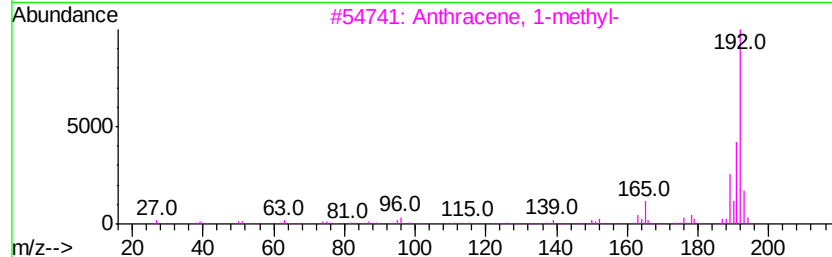
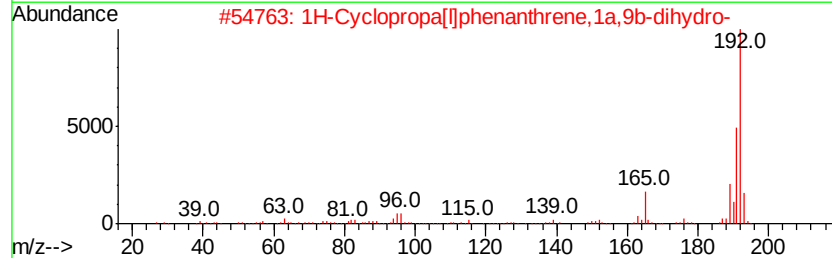
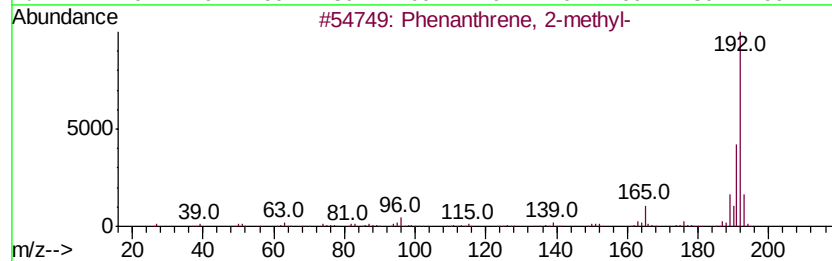
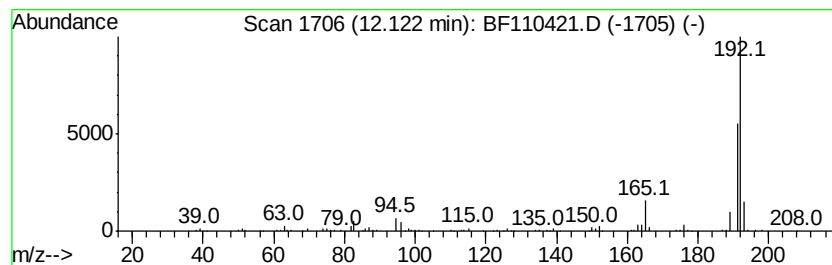
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	10.43 ng	351230	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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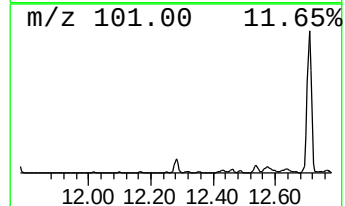
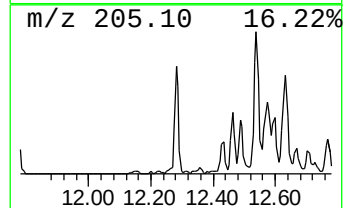
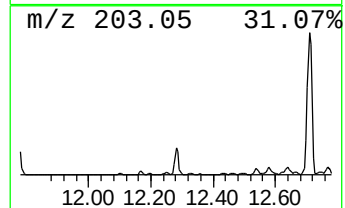
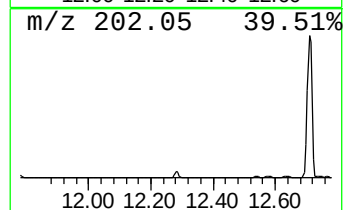
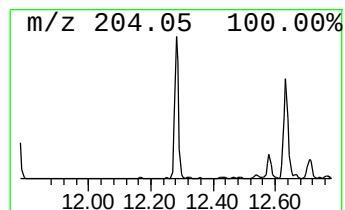
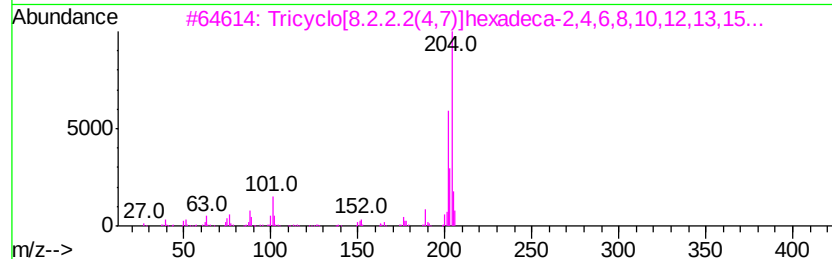
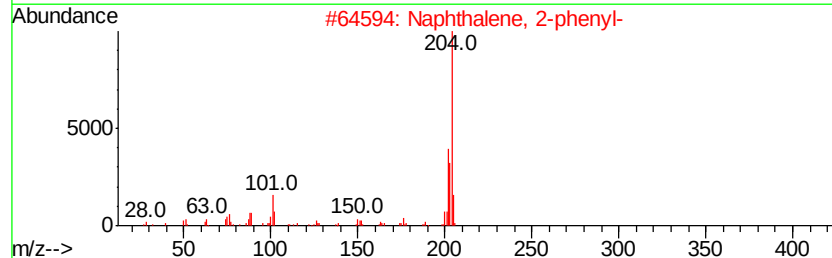
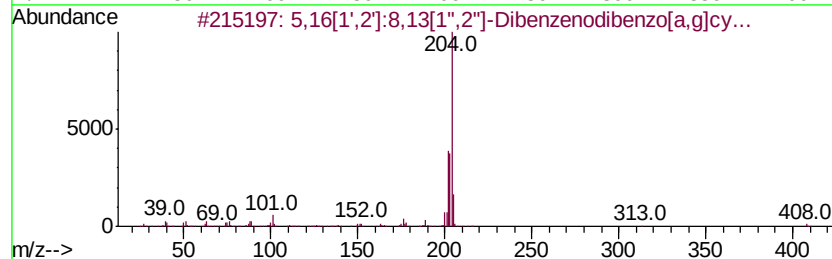
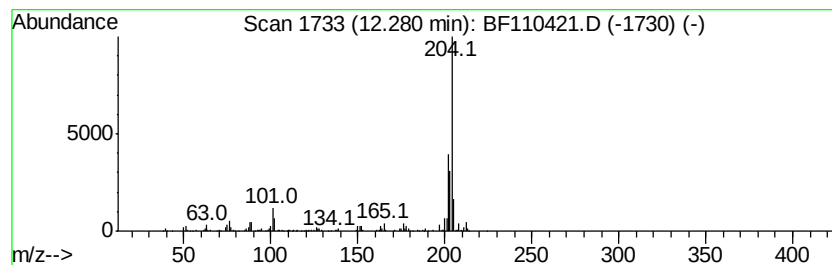
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.28	11.48 ng	386719	Phenanthrene-d10	11.49		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24		005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12		000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12		006572-60-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2		034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12		000605-02-7	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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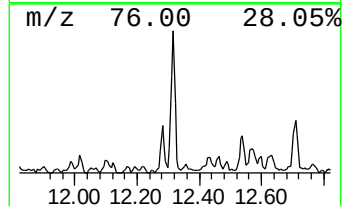
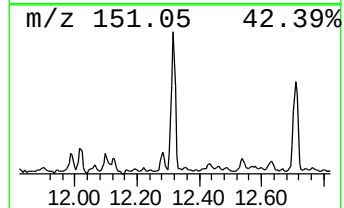
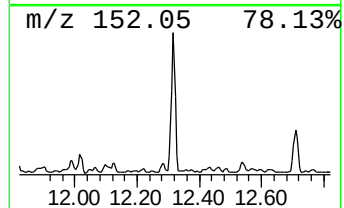
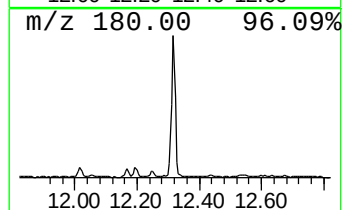
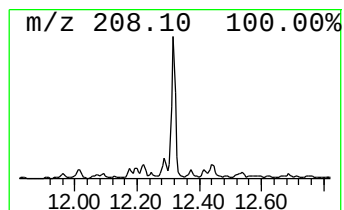
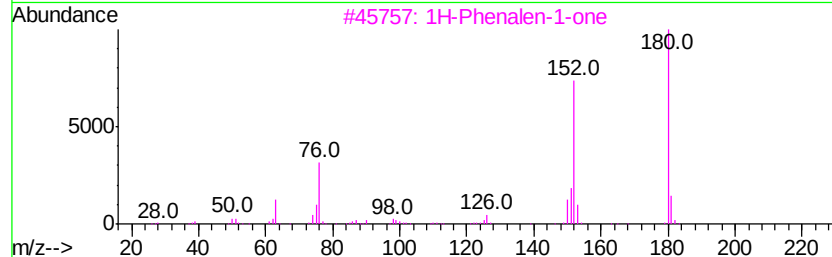
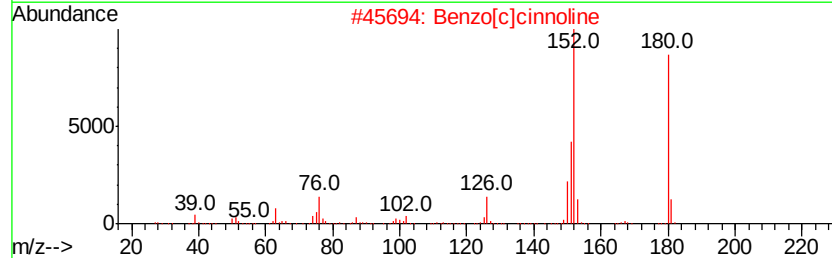
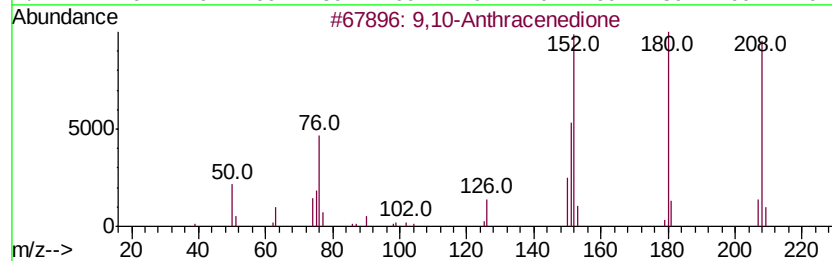
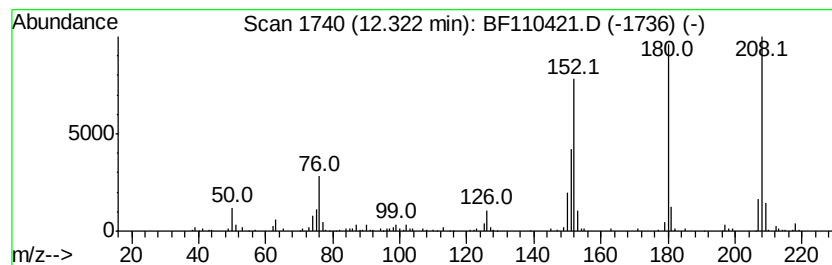
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	9.64 ng	324863	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4		Benzo[ghi]cinnoline	180	C12H8N2	000230-31-9	60
5		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
Data File : BF110421.D
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Misc :
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Instrument :
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ClientSampleId :
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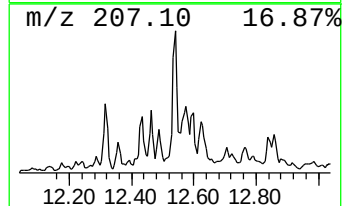
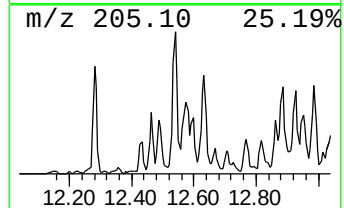
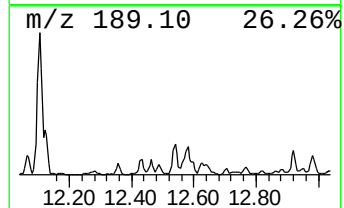
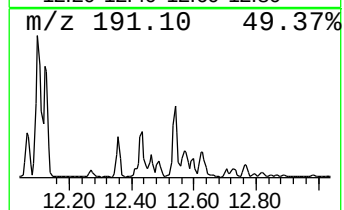
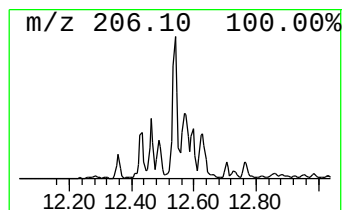
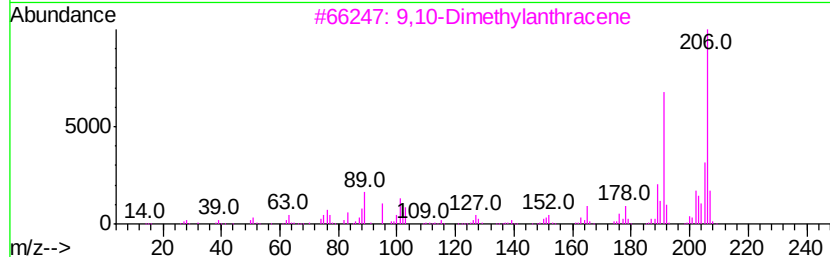
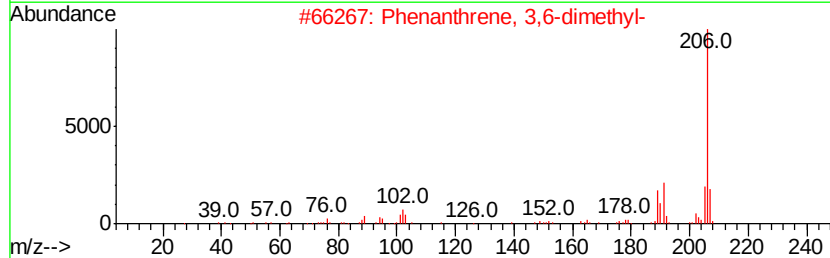
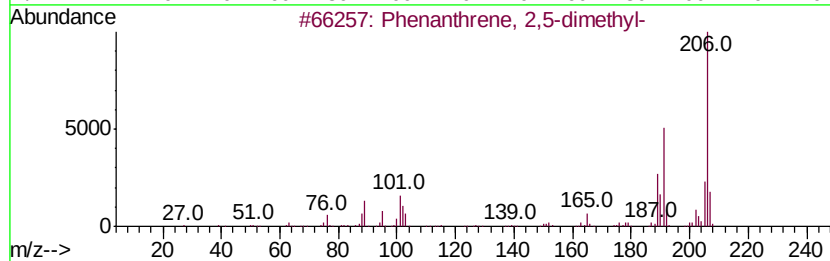
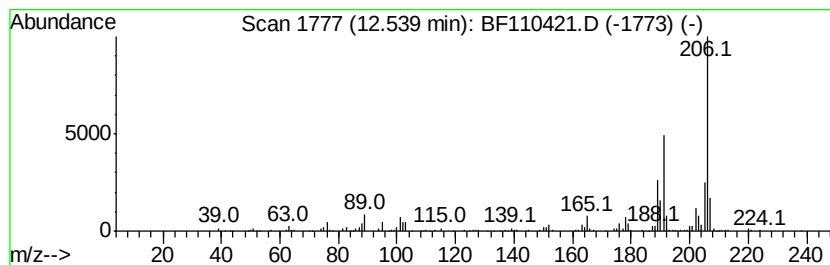
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	14.15 ng	476627	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
Data File : BF110421.D
Acq On : 2 Nov 2018 19:34
Operator : JU/SJ
Sample : J5759-21 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

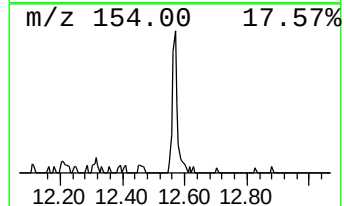
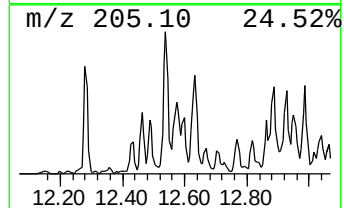
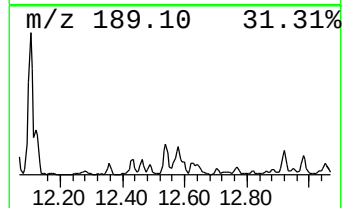
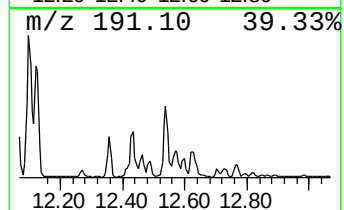
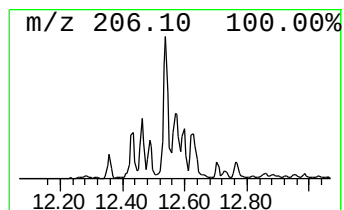
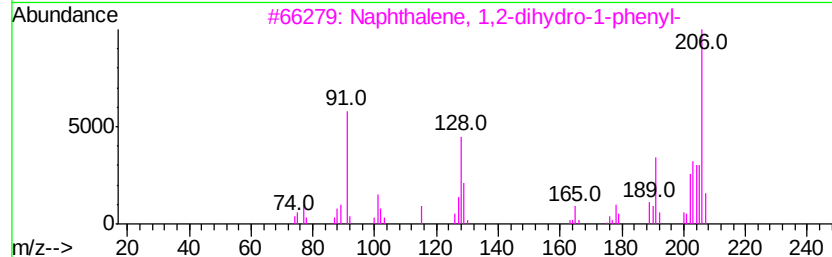
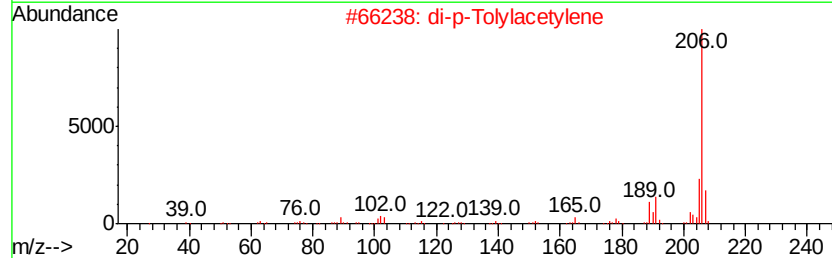
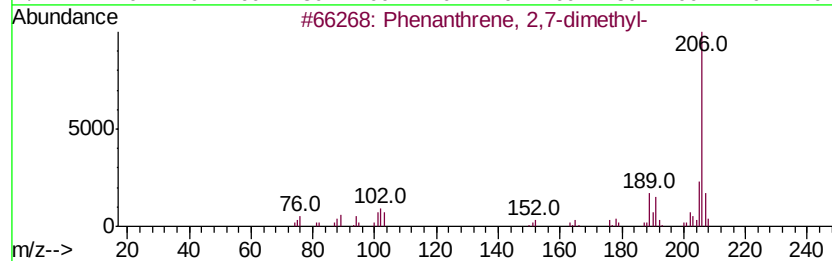
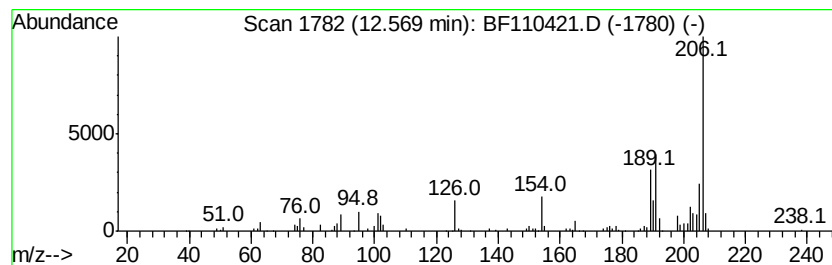
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.57	5.02 ng	169150	Phenanthrene-d10	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	52
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	50
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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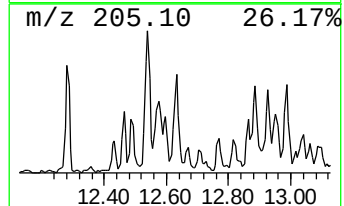
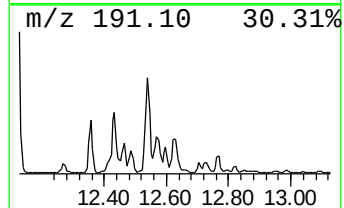
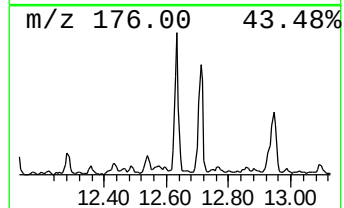
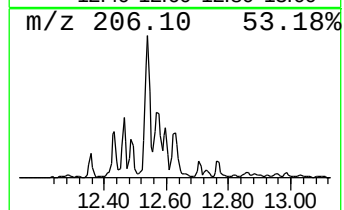
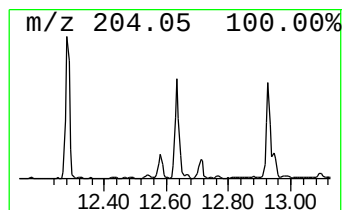
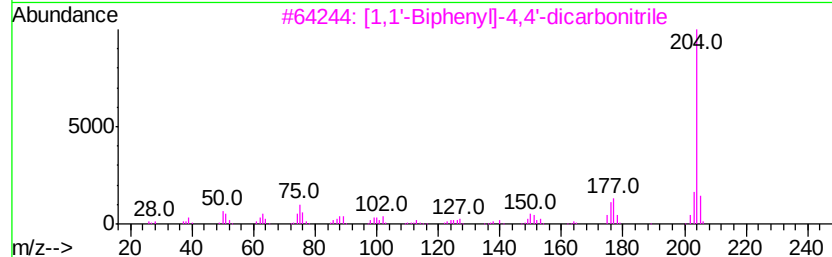
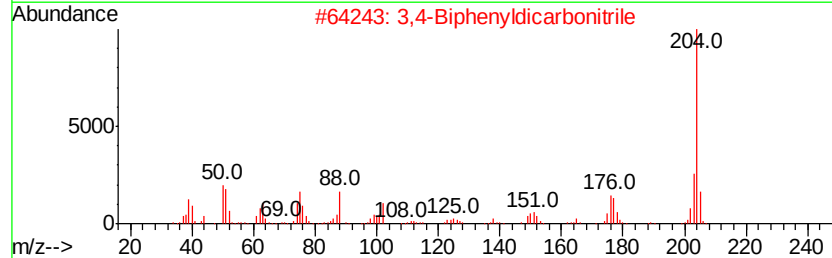
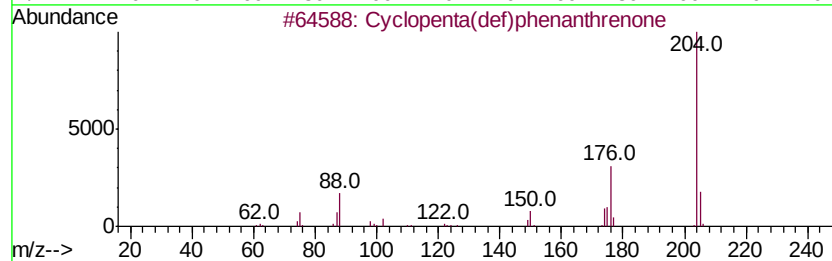
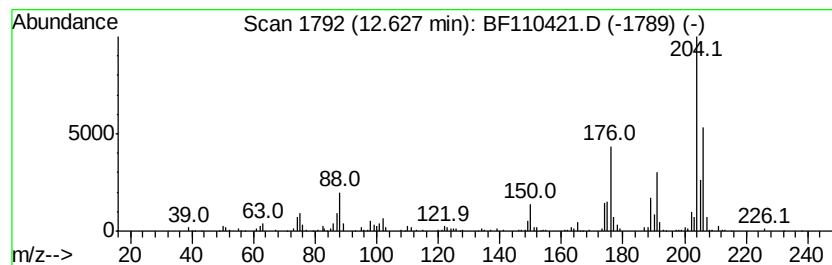
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	11.68 ng	393560	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	45
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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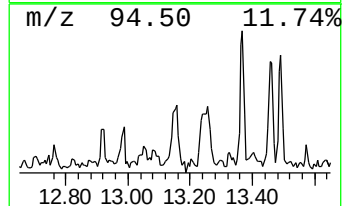
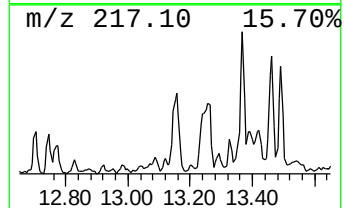
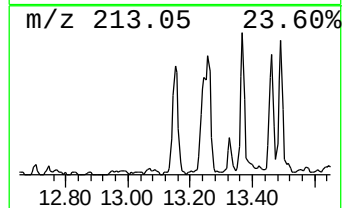
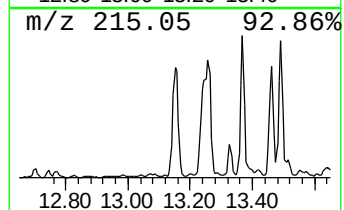
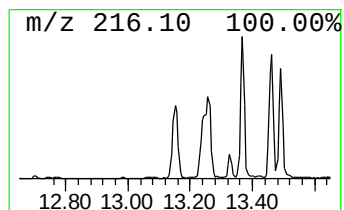
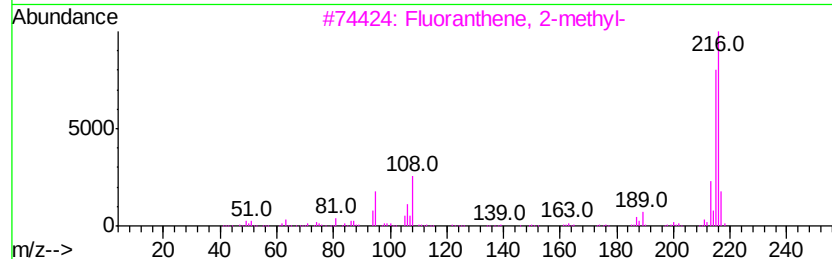
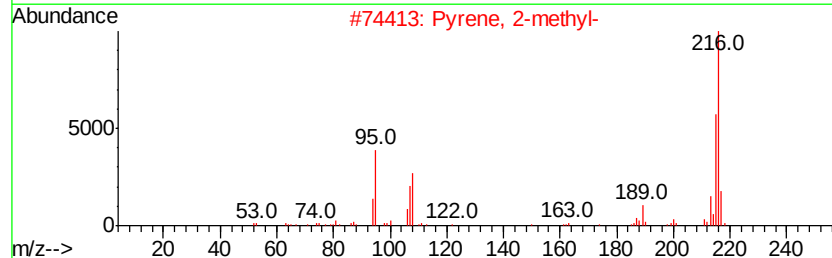
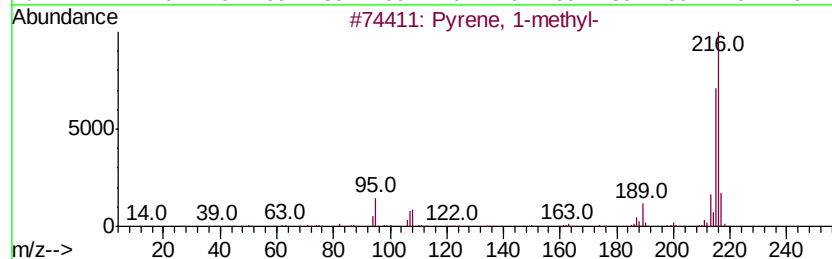
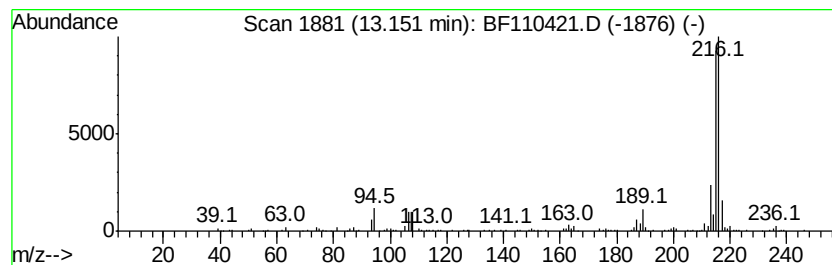
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.15	4.38 ng	521426	Chrysene-d12	14.14	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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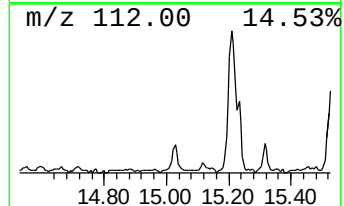
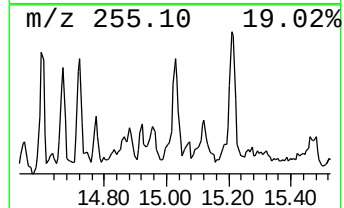
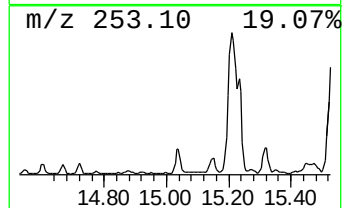
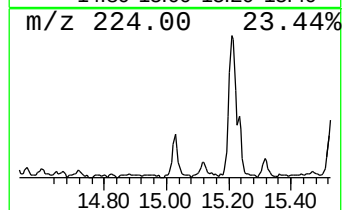
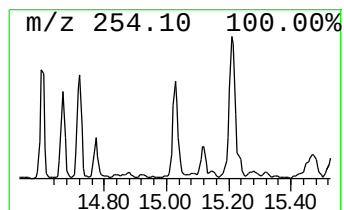
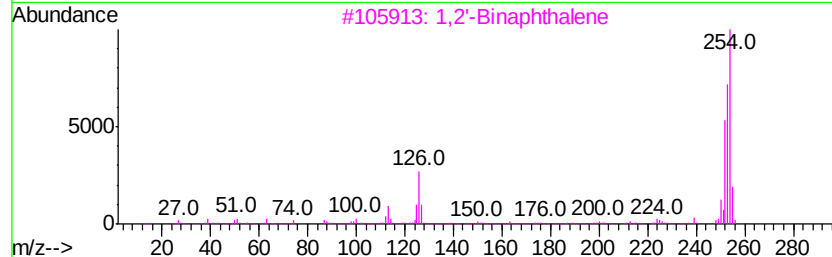
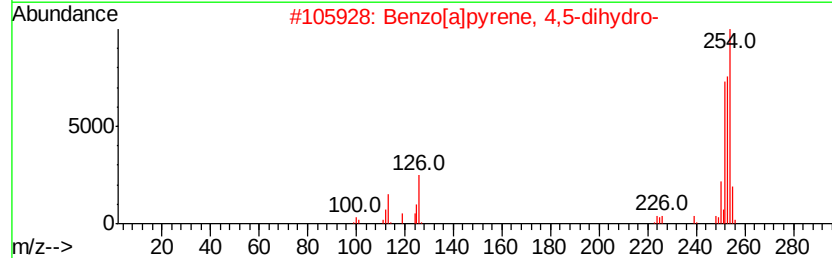
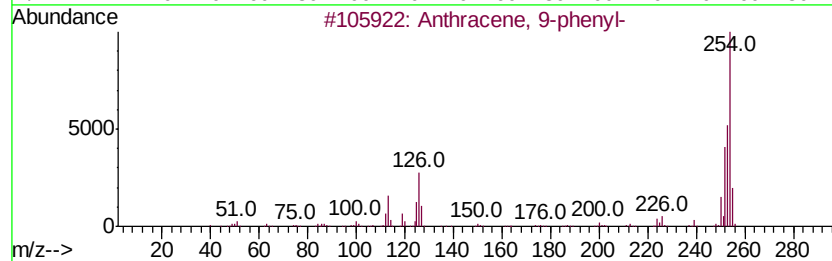
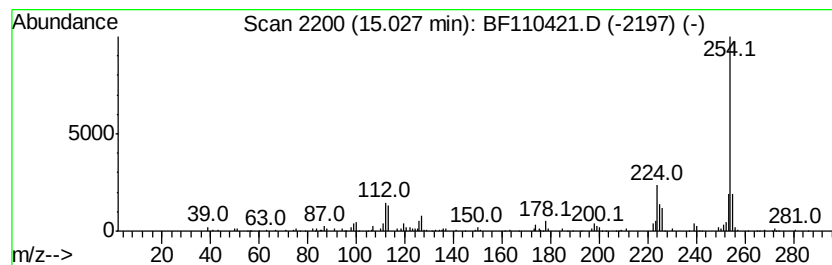
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 9-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	6.19 ng	163724	Perylene-d12	15.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	76
2		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	68
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	68
4		Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	64
5		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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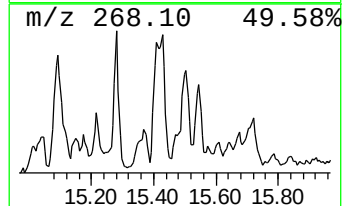
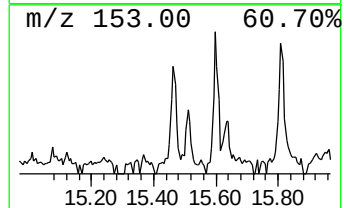
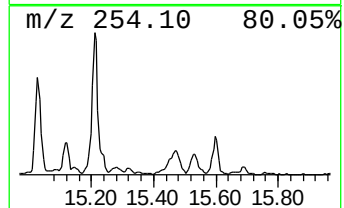
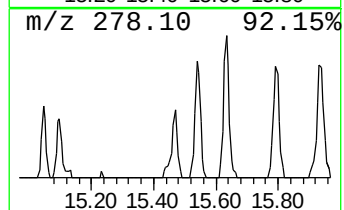
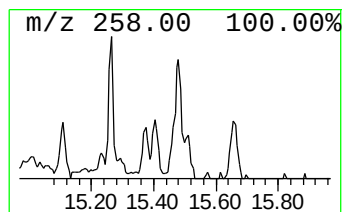
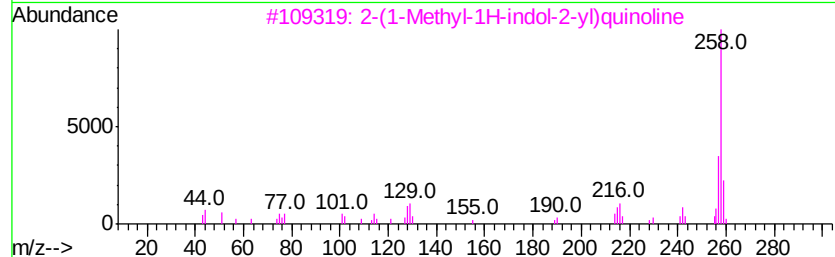
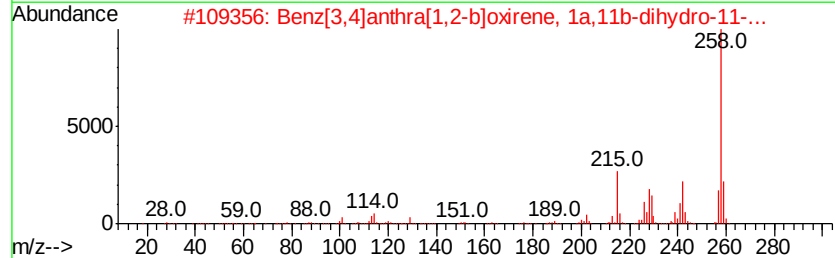
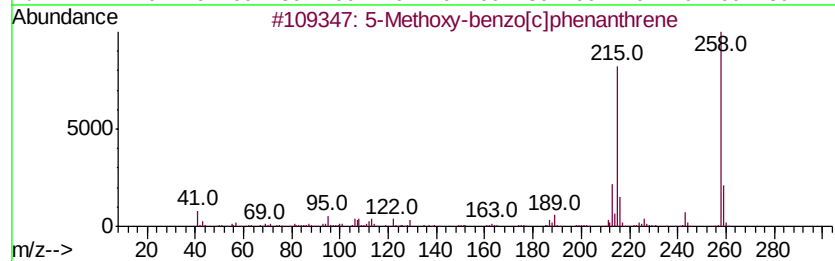
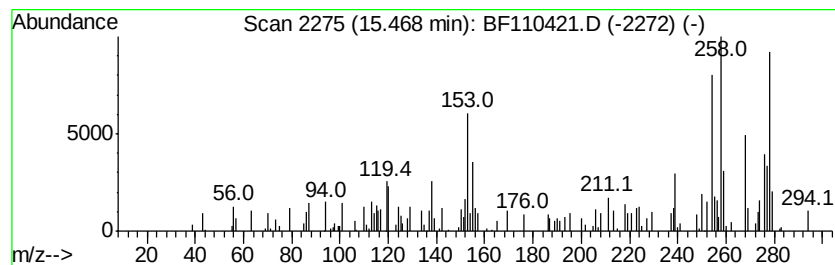
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown15.47 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	4.63 ng	122488	Perylene-d12	15.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Methoxy-benzo[c]phenanthrene	258	C19H14O	004235-03-4	38
2		Benz[3,4]anthra[1,2-b]oxirene, 1...	258	C19H14O	001155-38-0	38
3		2-(1-Methyl-1H-indol-2-yl)quinoline	258	C18H14N2	1000326-83-6	38
4		Ferrocene, (trimethylsilyl)-	258	C13H18FeSi	012215-68-8	38
5		Benzenamine, 4-(9H-carbazol-9-yl)-	258	C18H14N2	052708-37-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
Data File : BF110421.D
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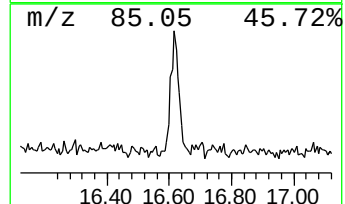
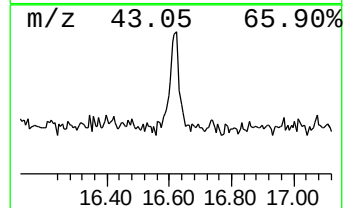
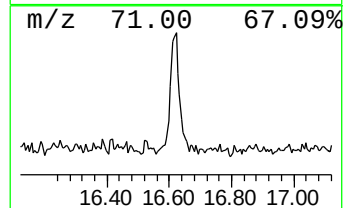
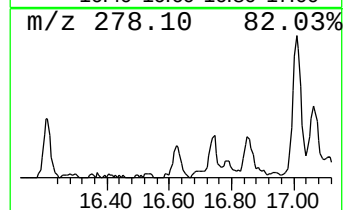
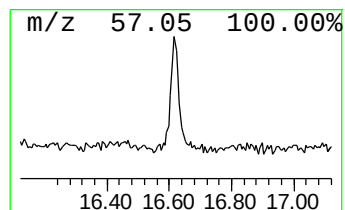
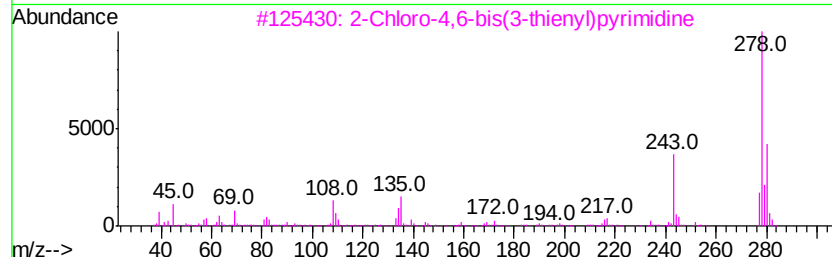
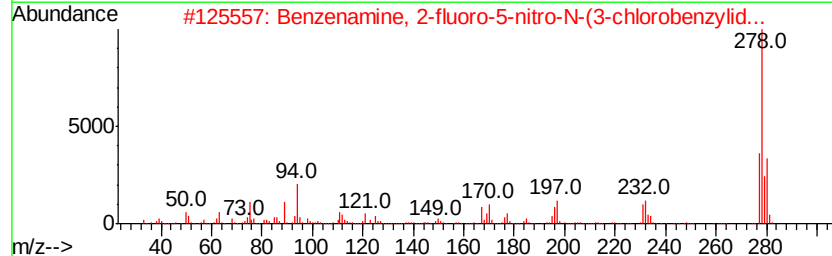
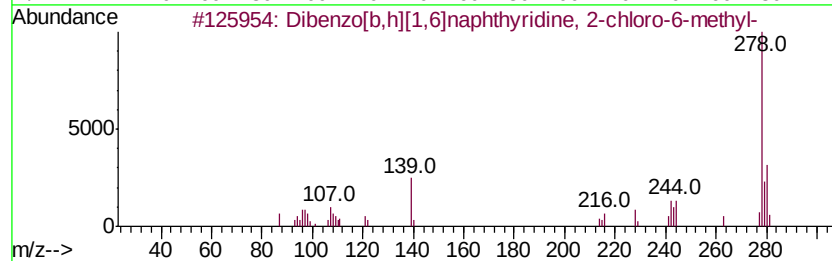
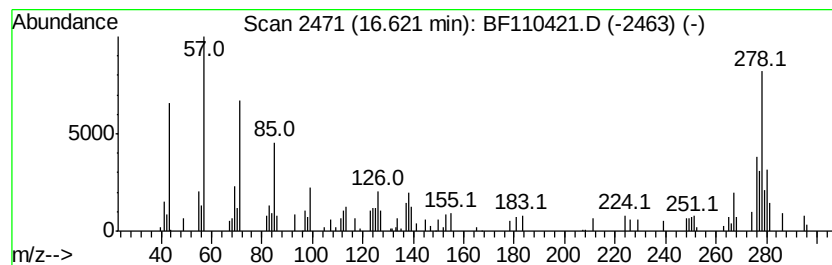
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown16.62 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	4.97 ng	131451	Perylene-d12	15.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[b,h][1,6]naphthyridine, ...	278	C17H11ClN2	004240-91-9	49
2		Benzenamine, 2-fluoro-5-nitro-N-...	278	C13H8ClFN2O2	304478-89-5	43
3		2-Chloro-4,6-bis(3-thienyl)pyrim...	278	C12H7ClN2S2	131022-83-8	38
4		Picene	278	C22H14	000213-46-7	38
5		Indeno[2,1-b]pyran, 2-(4-chlorop...	278	C18H11ClO	062096-34-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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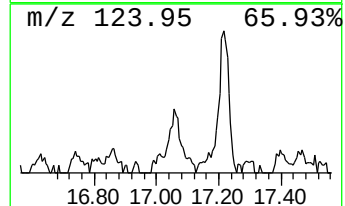
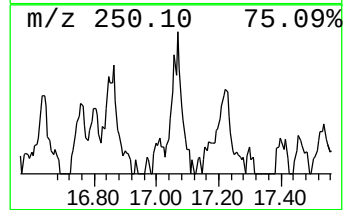
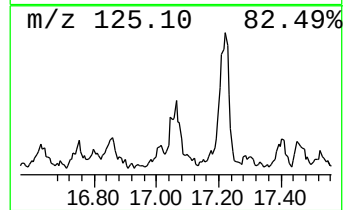
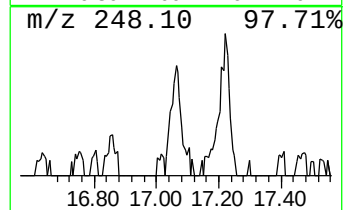
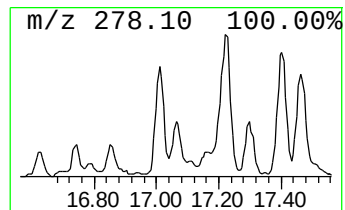
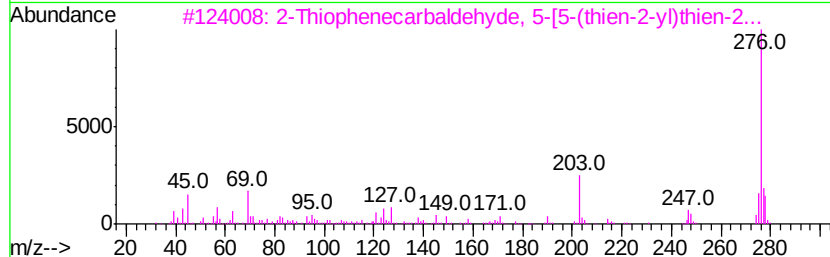
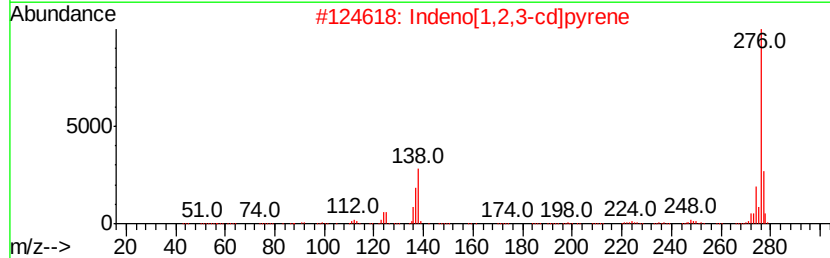
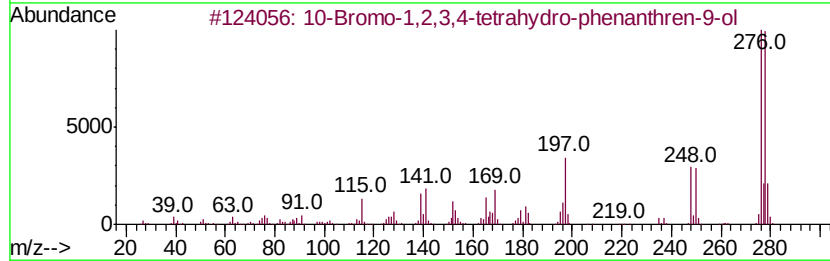
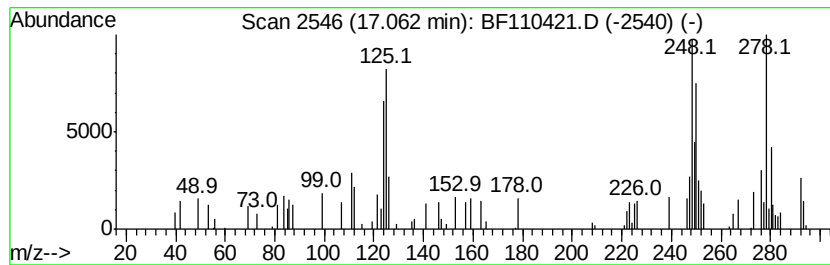
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	6.47 ng	171185	Perylene-d12	15.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	64
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	49
3		2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	43
4		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	43
5		Benzo[ghi]perylene	276	C22H12	000191-24-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110218\
 Data File : BF110421.D
 Acq On : 2 Nov 2018 19:34
 Operator : JU/SJ
 Sample : J5759-21 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
9H-Fluoren-9-one	11.29	5.5	ng	186607	4	11.49	673754	20.0
Naphtho[2,1-b]thi...	11.38	4.5	ng	152677	4	11.49	673754	20.0
Phenanthrene, 1-m...	11.99	17.6	ng	592695	4	11.49	673754	20.0
Phenanthrene, 2-m...	12.02	18.8	ng	632530	4	11.49	673754	20.0
Anthracene, 1-met...	12.06	6.4	ng	216956	4	11.49	673754	20.0
Benzaldehyde, 3,5...	12.10	26.9	ng	906850	4	11.49	673754	20.0
1H-Cyclopropa[l]p...	12.12	10.4	ng	351230	4	11.49	673754	20.0
5,16[1',2']:8,13[...	12.28	11.5	ng	386719	4	11.49	673754	20.0
9,10-Anthracenedione	12.32	9.6	ng	324863	4	11.49	673754	20.0
Phenanthrene, 2,5...	12.54	14.2	ng	476627	4	11.49	673754	20.0
Phenanthrene, 2,7...	12.57	5.0	ng	169150	4	11.49	673754	20.0
Cyclopenta(def)ph...	12.63	11.7	ng	393560	4	11.49	673754	20.0
Pyrene, 1-methyl-	13.15	4.4	ng	521426	5	14.14	2381950	20.0
Anthracene, 9-phe...	15.03	6.2	ng	163724	6	15.66	528910	20.0
unknown15.47	15.47	4.6	ng	122488	6	15.66	528910	20.0
unknown16.62	16.62	5.0	ng	131451	6	15.66	528910	20.0
10-Bromo-1,2,3,4-...	17.06	6.5	ng	171185	6	15.66	528910	20.0