

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110860.D
 Acq On : 19 Nov 2018 18:26
 Operator : JU/SJ
 Sample : J5981-06 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

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-BF110818.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	2.193	15	18	32	rVB3	29703	67865	9.95%	0.854%
2	5.163	520	523	526	rBV	6782	8042	1.18%	0.101%
3	5.557	587	590	603	rBV	158162	248026	36.38%	3.121%
4	6.569	759	762	783	rBV	188272	301139	44.17%	3.789%
5	6.710	783	786	792	rVV	337030	310336	45.52%	3.905%
6	6.757	792	794	802	rVB5	6673	11092	1.63%	0.140%
7	6.939	822	825	839	rBV	372549	352880	51.76%	4.441%
8	7.092	848	851	861	rBV	211145	236905	34.75%	2.981%
9	7.510	918	922	938	rBV	119520	180313	26.45%	2.269%
10	8.222	1040	1043	1066	rBV	415691	493110	72.32%	6.205%
11	8.939	1162	1165	1173	rBV2	7540	13878	2.04%	0.175%
12	9.039	1179	1182	1187	rBB	5975	7358	1.08%	0.093%
13	9.292	1222	1225	1235	rBV	287932	329212	48.28%	4.143%
14	9.639	1279	1284	1287	rBV	8037	8863	1.30%	0.112%
15	9.692	1291	1293	1299	rVB	15814	16823	2.47%	0.212%
16	9.845	1316	1319	1324	rBV	19286	20729	3.04%	0.261%
17	9.980	1339	1342	1347	rBV	487216	486068	71.29%	6.117%
18	10.016	1347	1348	1353	rVB	28888	20547	3.01%	0.259%
19	10.198	1372	1379	1382	rBV2	8766	15020	2.20%	0.189%
20	10.533	1433	1436	1442	rVB	22776	26260	3.85%	0.330%
21	10.598	1445	1447	1453	rVB3	5694	9275	1.36%	0.117%
22	10.692	1460	1463	1466	rVB2	8237	8727	1.28%	0.110%
23	10.780	1473	1478	1483	rBV	143499	157529	23.10%	1.982%
24	10.874	1489	1494	1497	rBV4	5991	8967	1.32%	0.113%
25	11.080	1524	1529	1532	rBV	9627	11769	1.73%	0.148%
26	11.163	1539	1543	1546	rVB3	6897	8579	1.26%	0.108%
27	11.374	1577	1579	1585	rBV2	14043	14377	2.11%	0.181%
28	11.474	1593	1596	1599	rBV	435398	437728	64.20%	5.508%
29	11.498	1599	1600	1607	rVB	245793	214055	31.39%	2.694%
30	11.557	1607	1610	1613	rBV	52246	49303	7.23%	0.620%
31	11.715	1632	1637	1644	rBV5	15821	29173	4.28%	0.367%
32	11.815	1651	1654	1657	rVV4	7213	7934	1.16%	0.100%
33	11.980	1678	1682	1684	rBV	46570	45443	6.67%	0.572%
34	12.010	1684	1687	1692	rVB	52397	45630	6.69%	0.574%

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 Sampling : 1
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Filtering: 5
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.057	1692	1695	1698	rBV	19547	15533	2.28%	0.195%
36	12.092	1698	1701	1704	rBV2	66936	80755	11.84%	1.016%
37	12.274	1729	1732	1736	rVB	26780	23886	3.50%	0.301%
38	12.315	1736	1739	1743	rVB2	19525	17259	2.53%	0.217%
39	12.421	1752	1757	1760	rBV3	11882	13779	2.02%	0.173%
40	12.457	1760	1763	1765	rVB	9330	7796	1.14%	0.098%
41	12.480	1765	1767	1769	rBV	8221	7049	1.03%	0.089%
42	12.527	1773	1775	1778	rBV2	35664	33076	4.85%	0.416%
43	12.568	1778	1782	1788	rVB5	17467	29841	4.38%	0.376%
44	12.615	1788	1790	1791	rBV	12934	11063	1.62%	0.139%
45	12.698	1800	1804	1807	rBV	388156	339262	49.76%	4.269%
46	12.757	1812	1814	1817	rBV3	8803	11275	1.65%	0.142%
47	12.798	1817	1821	1824	rVV2	15001	17697	2.60%	0.223%
48	12.845	1826	1829	1832	rVV3	17019	20198	2.96%	0.254%
49	12.868	1832	1833	1837	rVB3	9958	7807	1.15%	0.098%
50	12.910	1837	1840	1841	rBV2	59517	63271	9.28%	0.796%
51	12.927	1841	1843	1848	rVV	347943	308015	45.18%	3.876%
52	12.974	1848	1851	1855	rVB	19806	24245	3.56%	0.305%
53	13.057	1861	1865	1869	rBV	328048	277902	40.76%	3.497%
54	13.098	1870	1872	1875	rVB	13045	11620	1.70%	0.146%
55	13.145	1875	1880	1885	rBV3	22855	42640	6.25%	0.537%
56	13.192	1885	1888	1891	rBV5	8161	9900	1.45%	0.125%
57	13.257	1891	1899	1903	rVB2	59194	81280	11.92%	1.023%
58	13.321	1907	1910	1913	rBV	37517	33825	4.96%	0.426%
59	13.362	1913	1917	1919	rBV2	31111	30659	4.50%	0.386%
60	13.457	1930	1933	1935	rBV	24670	23719	3.48%	0.298%
61	13.486	1935	1938	1940	rVV	27201	24929	3.66%	0.314%
62	13.521	1941	1944	1947	rVB	42183	42218	6.19%	0.531%
63	13.633	1960	1963	1965	rBV4	7049	10539	1.55%	0.133%
64	13.657	1965	1967	1969	rBV3	10890	12434	1.82%	0.156%
65	13.733	1978	1980	1982	rBV3	11126	10928	1.60%	0.138%
66	13.774	1984	1987	1990	rVB	19848	21300	3.12%	0.268%
67	13.862	2000	2002	2003	rBV2	9027	8184	1.20%	0.103%
68	13.880	2003	2005	2007	rVV2	38568	33972	4.98%	0.427%
69	13.904	2007	2009	2011	rVV	36812	28527	4.18%	0.359%
70	13.933	2011	2014	2020	rVV3	37659	51933	7.62%	0.654%
71	13.980	2020	2022	2027	rVB	24486	26677	3.91%	0.336%

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Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	14.051	2029	2034	2036	rBV6	17437	28416	4.17%	0.358%
73	14.127	2040	2047	2050	rBV2	519893	681813	100.00%	8.580%
74	14.156	2050	2052	2059	rVV	171061	164355	24.11%	2.068%
75	14.239	2063	2066	2068	rVV2	35096	45113	6.62%	0.568%
76	14.298	2072	2076	2084	rVB5	31731	77898	11.43%	0.980%
77	14.480	2105	2107	2108	rBV2	15425	12379	1.82%	0.156%
78	14.515	2111	2113	2117	rVV2	46939	69159	10.14%	0.870%
79	14.551	2117	2119	2121	rVB	36671	31287	4.59%	0.394%
80	14.645	2133	2135	2137	rBV2	16212	11738	1.72%	0.148%
81	14.868	2168	2173	2177	rBV7	26731	60737	8.91%	0.764%
82	15.209	2226	2231	2239	rBV	105169	237278	34.80%	2.986%
83	15.527	2281	2285	2289	rBV	61260	82465	12.09%	1.038%
84	15.598	2293	2297	2303	rVB	86786	131384	19.27%	1.653%
85	15.662	2303	2308	2312	rBV	202976	280967	41.21%	3.536%
86	17.721	2655	2658	2659	rBV2	13578	13839	2.03%	0.174%

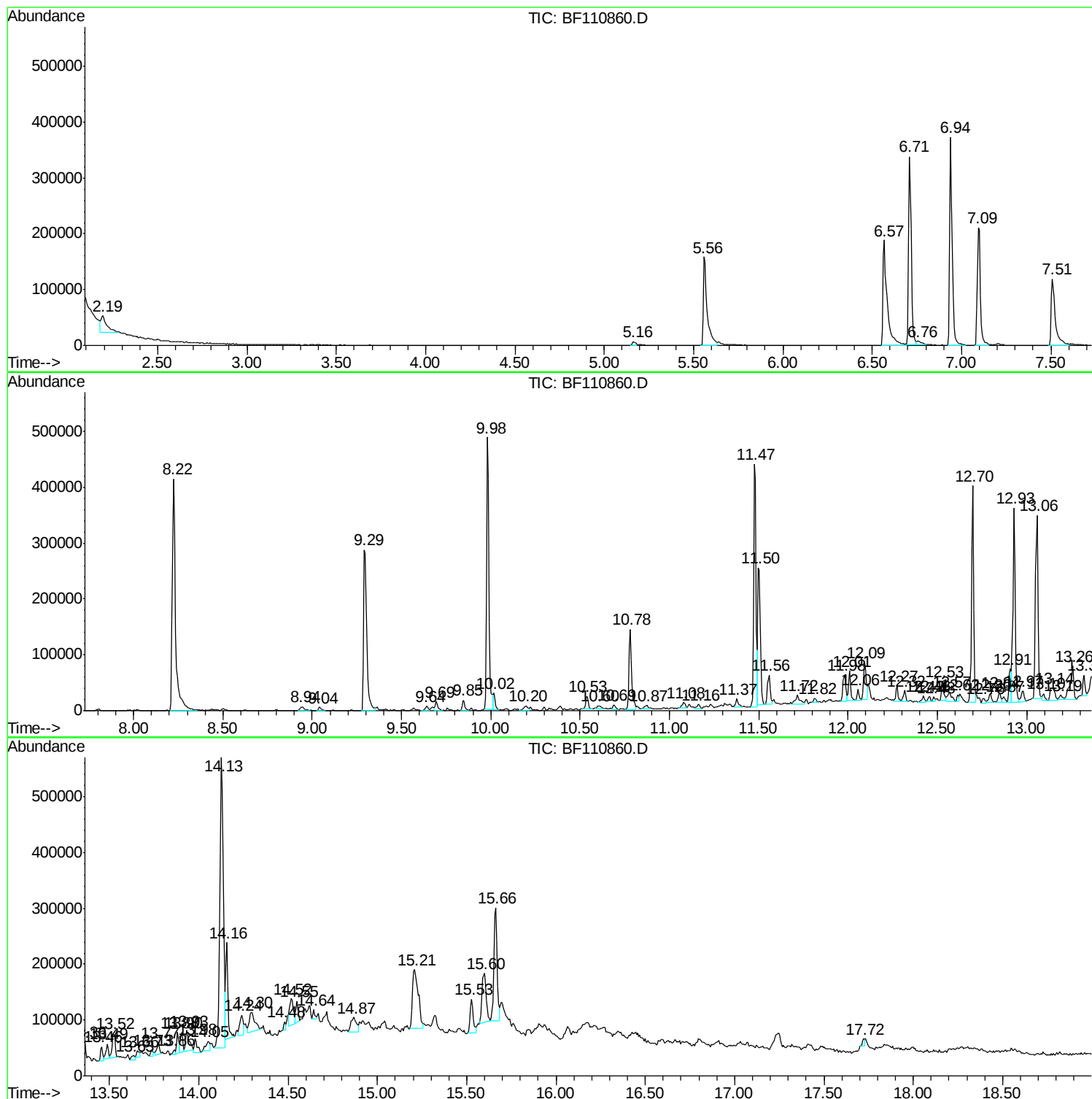
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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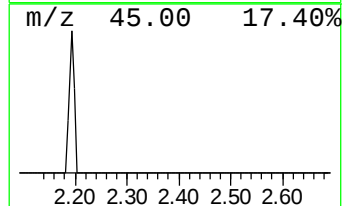
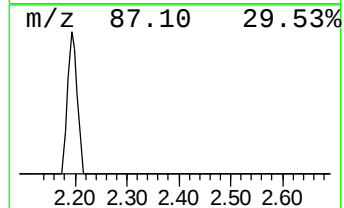
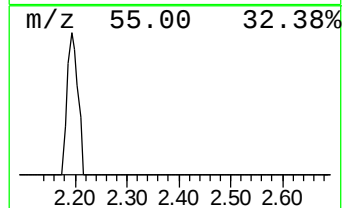
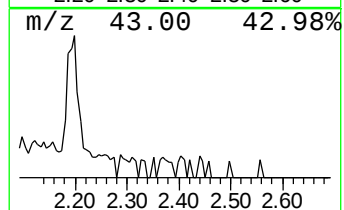
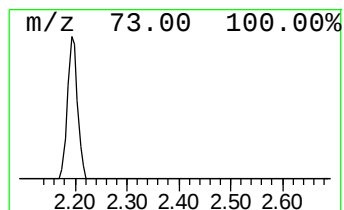
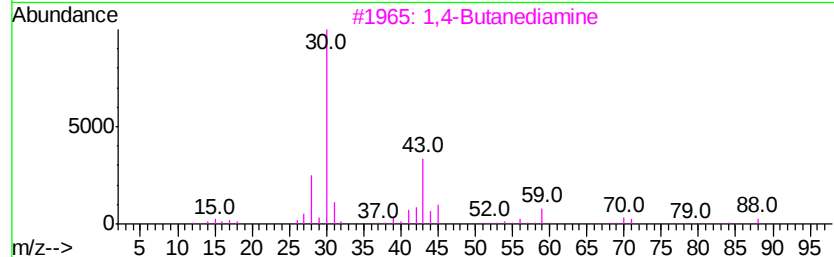
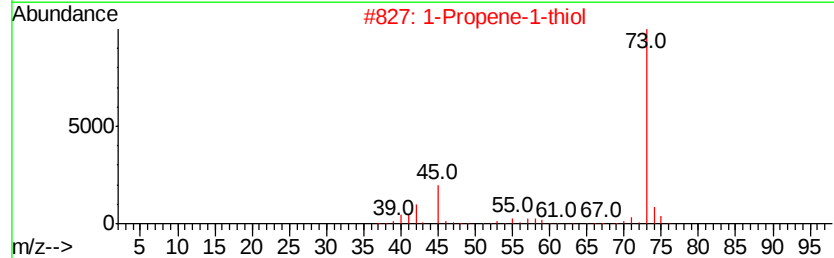
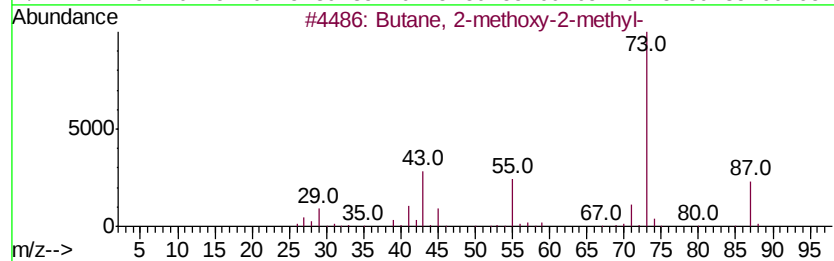
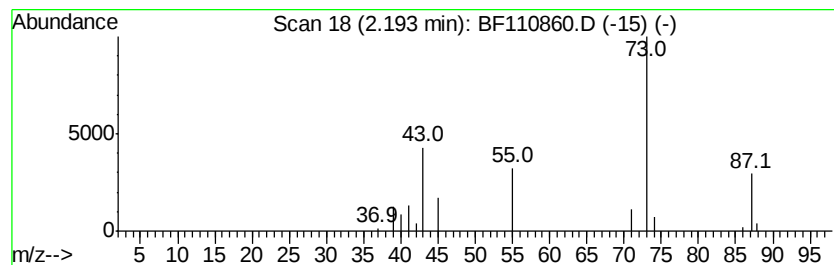
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	3.85 ng	67865	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2			1-Propene-1-thiol	74	C3H6S	000925-89-3	5
3			1,4-Butanediamine	88	C4H12N2	000110-60-1	5
4			1-Pentanamine	87	C5H13N	000110-58-7	5
5			Acetic acid, nitro-, methyl ester	119	C3H5NO4	002483-57-0	4



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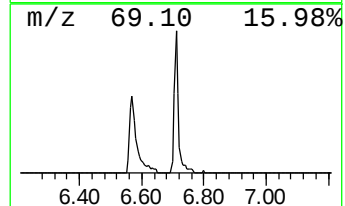
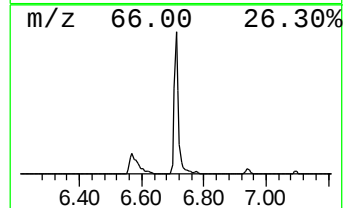
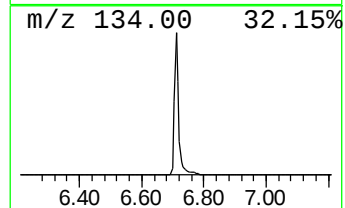
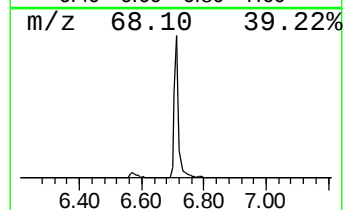
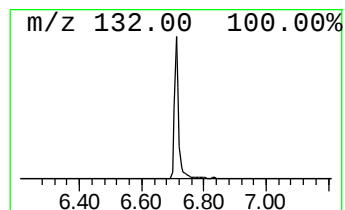
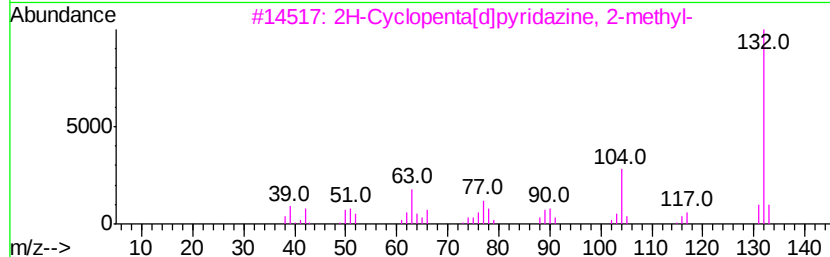
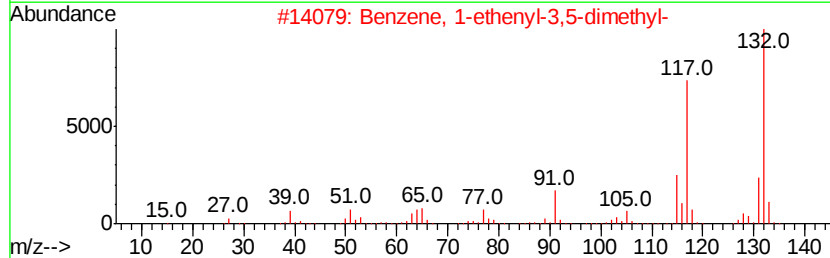
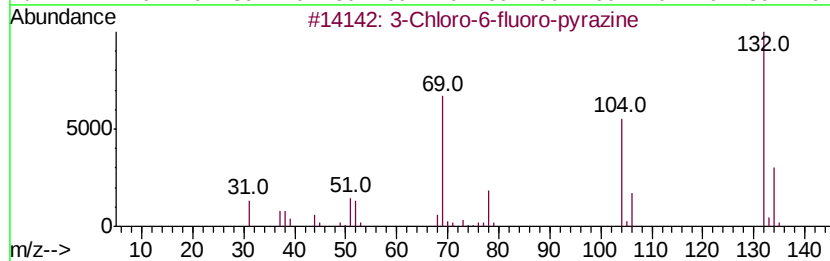
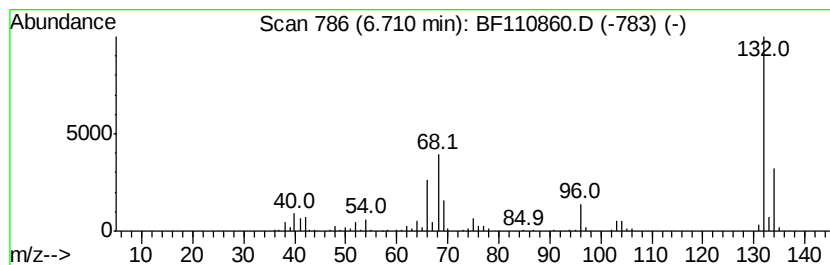
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	17.59 ng	310336	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
3			2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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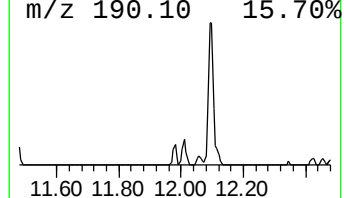
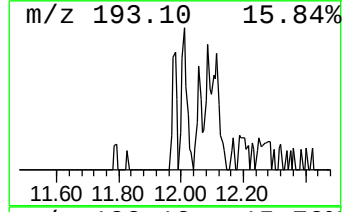
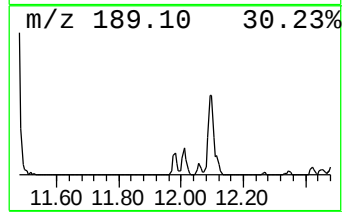
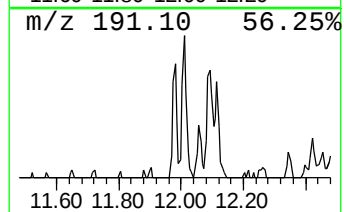
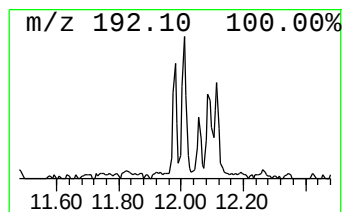
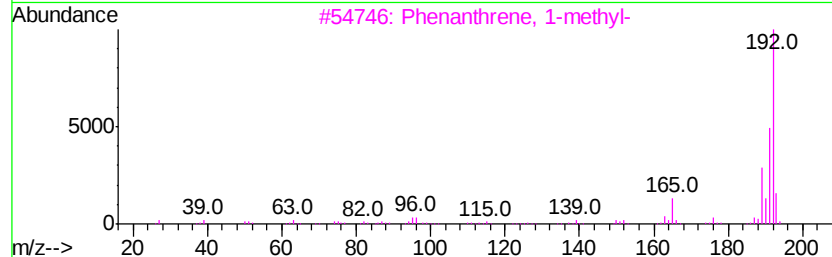
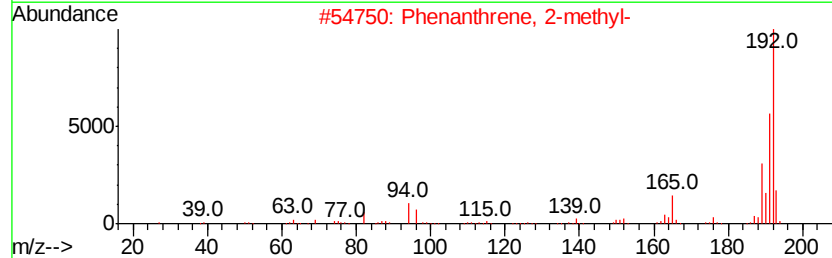
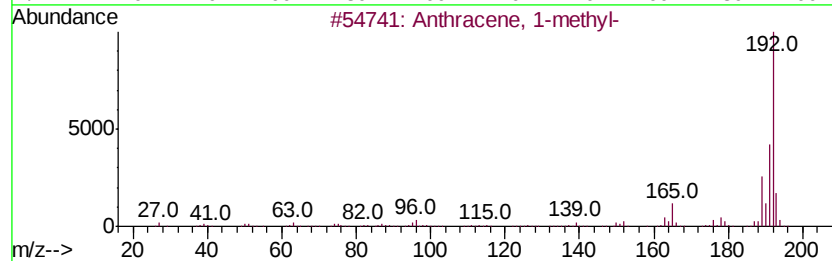
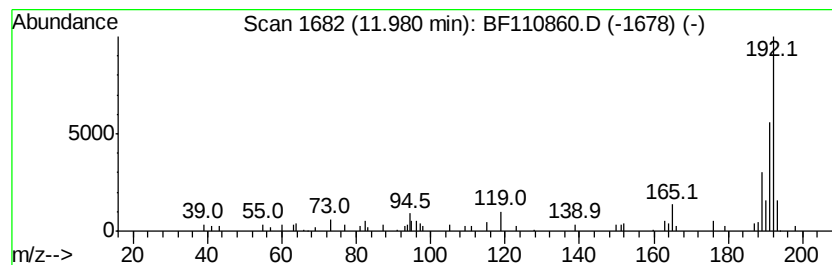
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.08 ng	45443	Phenanthrene-d10	11.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



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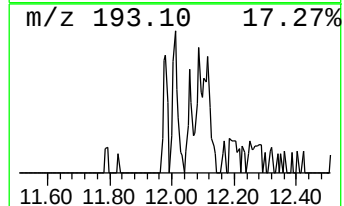
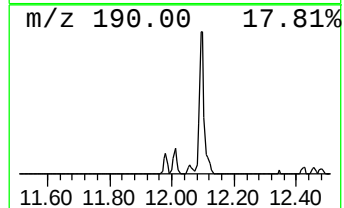
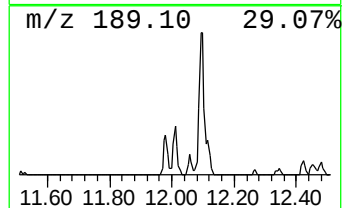
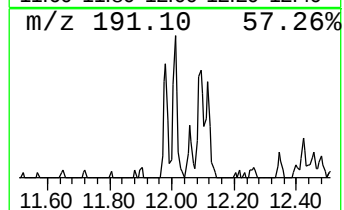
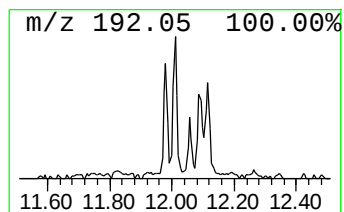
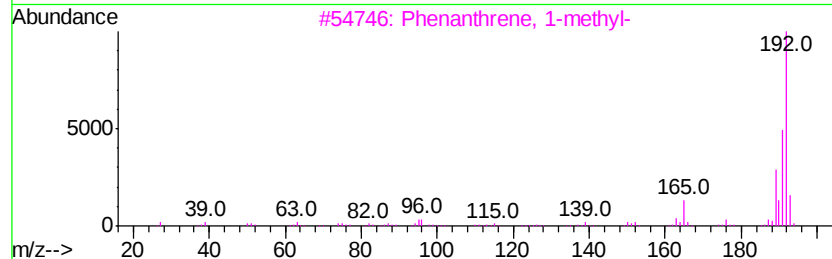
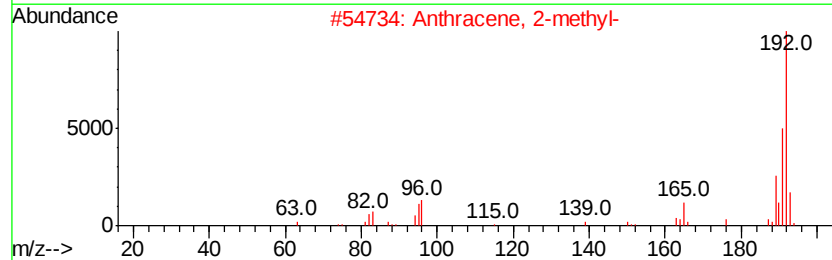
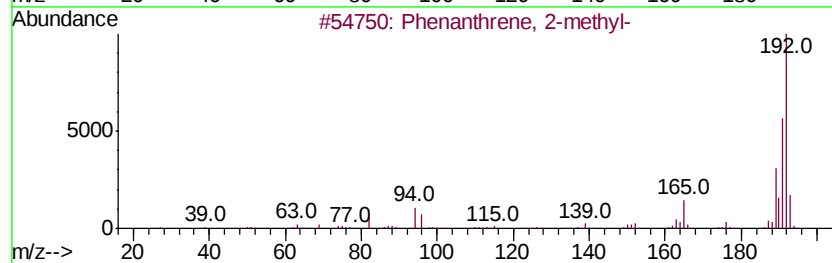
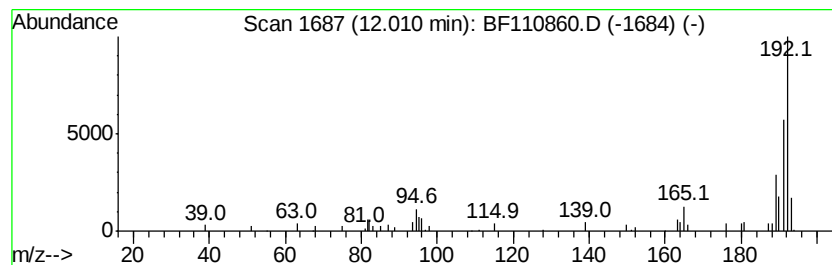
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.08 ng	45630	Phenanthrene-d10	11.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110860.D
Acq On : 19 Nov 2018 18:26
Operator : JU/SJ
Sample : J5981-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

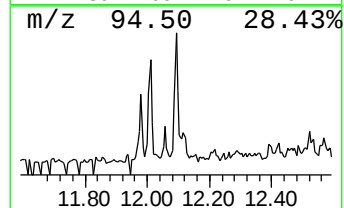
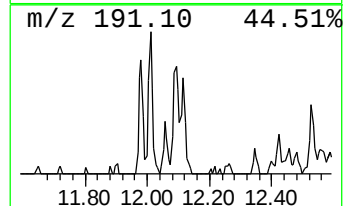
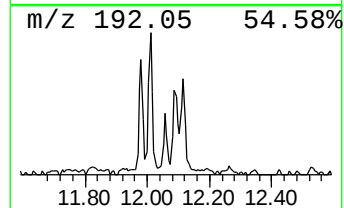
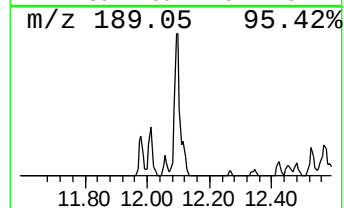
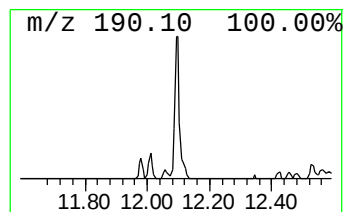
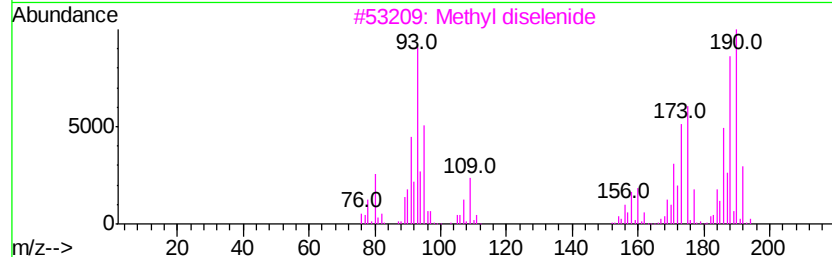
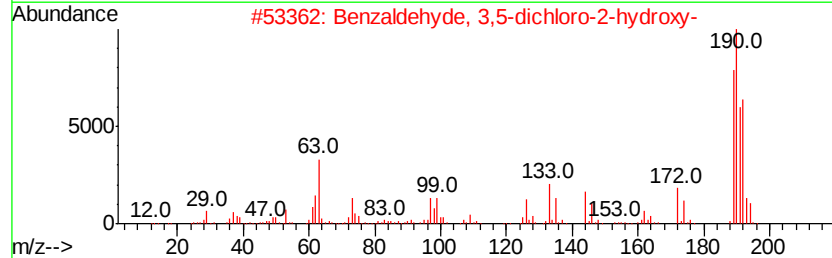
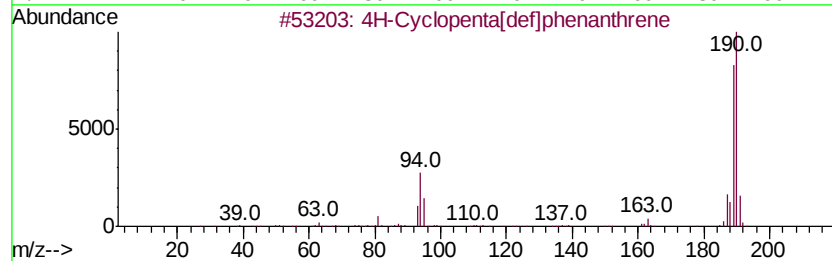
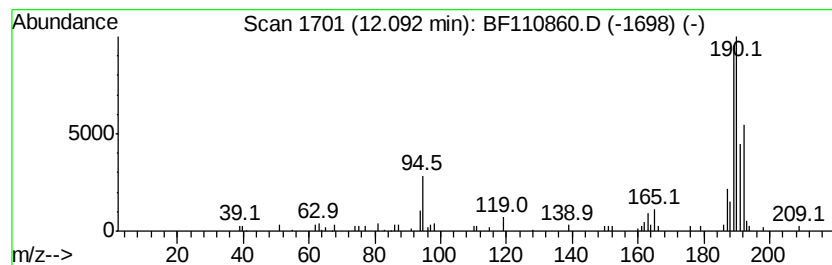
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.09	3.69 ng	80755	Phenanthrene-d10	11.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110860.D
Acq On : 19 Nov 2018 18:26
Operator : JU/SJ
Sample : J5981-06 5X
Misc :
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Instrument :
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ClientSampleId :
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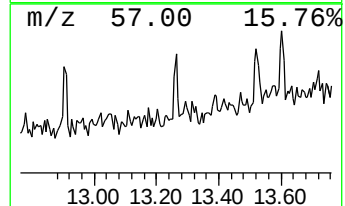
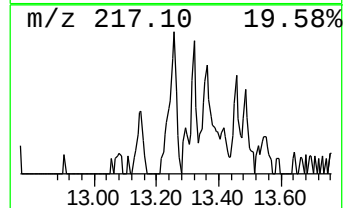
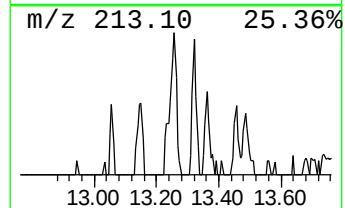
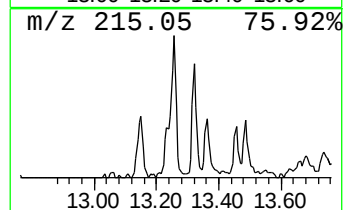
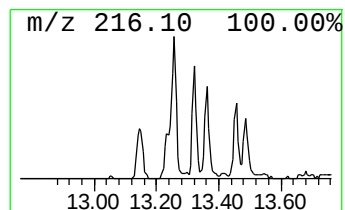
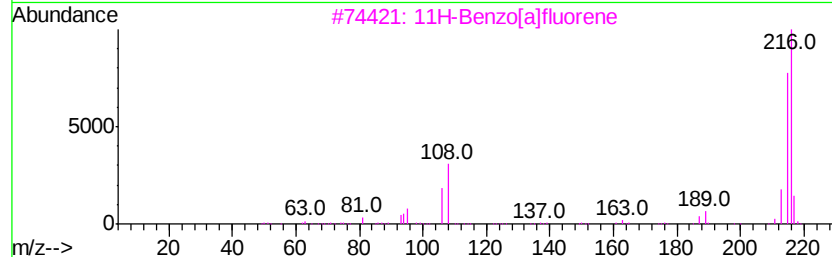
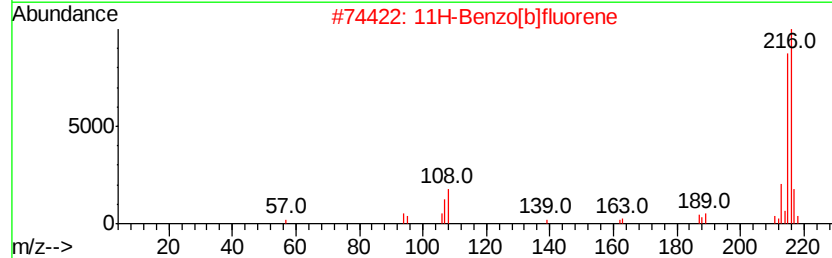
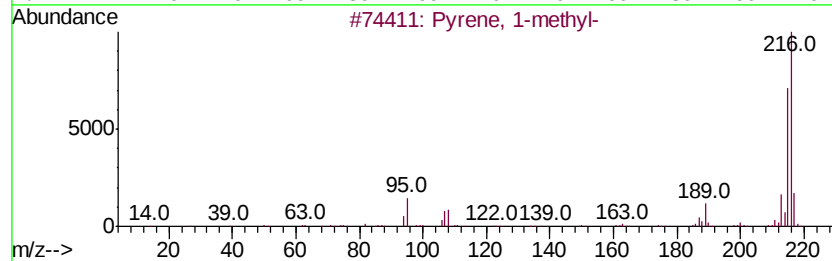
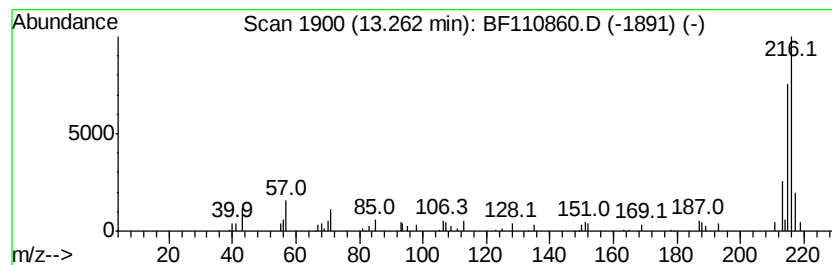
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.38 ng	81280	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110860.D
Acq On : 19 Nov 2018 18:26
Operator : JU/SJ
Sample : J5981-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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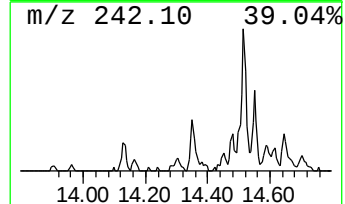
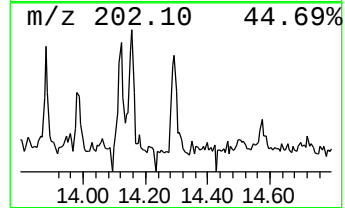
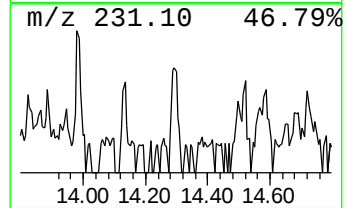
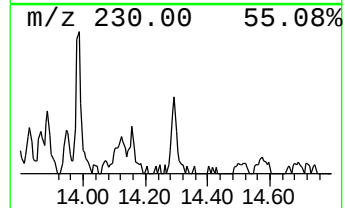
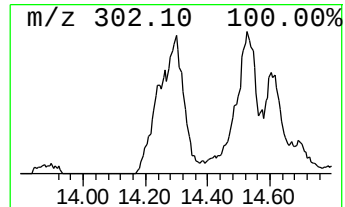
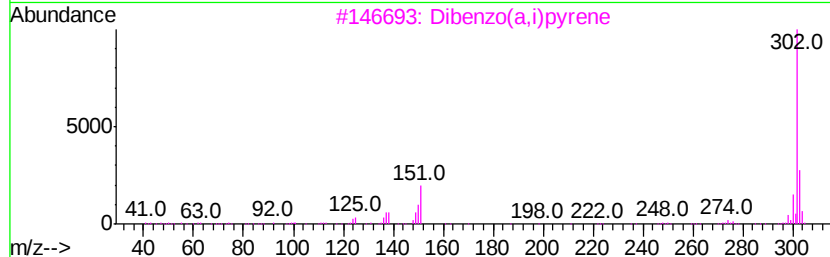
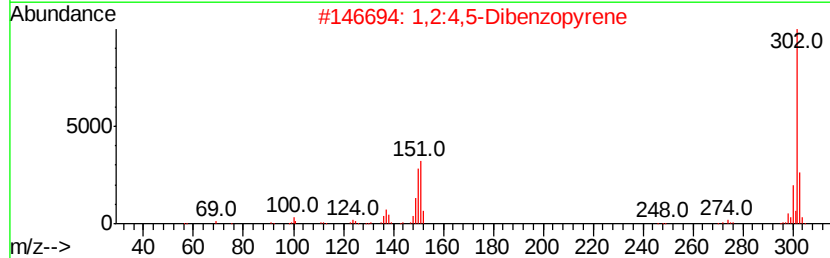
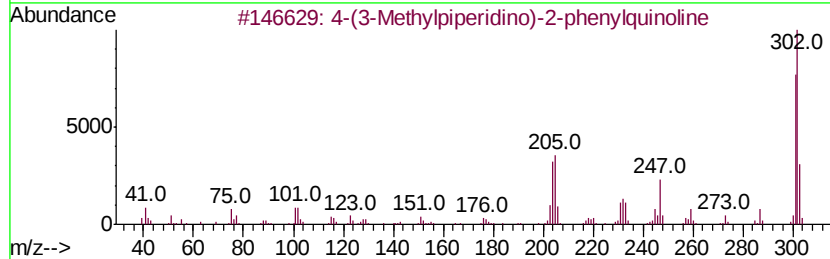
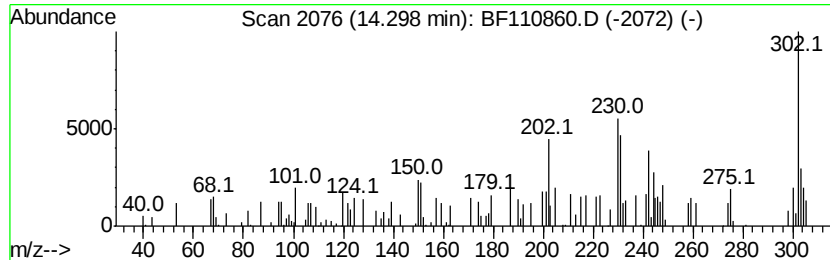
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown14.30 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	2.29 ng	77898	Chrysene-d12	14.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-(3-Methylpiperidino)-2-phenylq...	302	C21H22N2	1000326-78-4	22
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	20
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	18
4		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	14
5		2-Phenyl-5-thiophen-2-yl-3H-benz...	303	C18H13N3S	1000310-46-7	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110860.D
Acq On : 19 Nov 2018 18:26
Operator : JU/SJ
Sample : J5981-06 5X
Misc :
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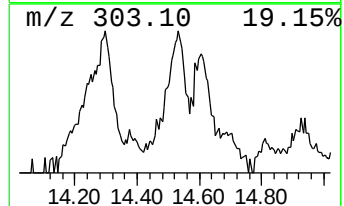
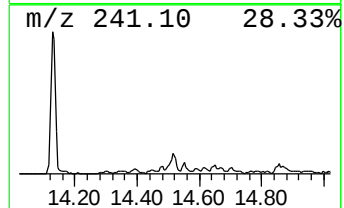
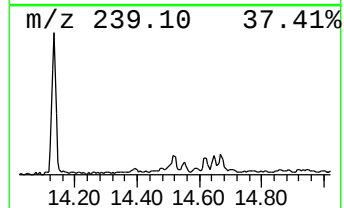
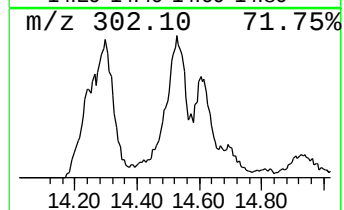
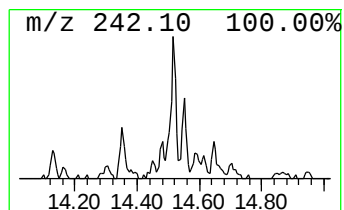
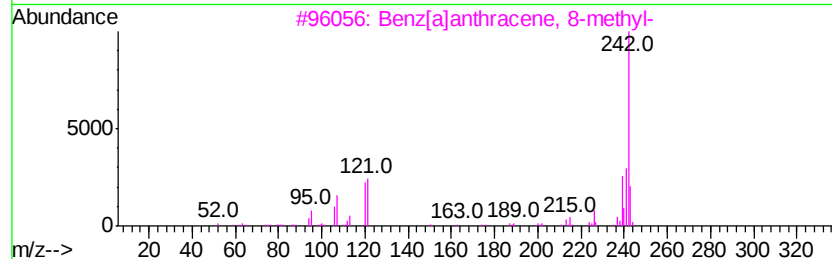
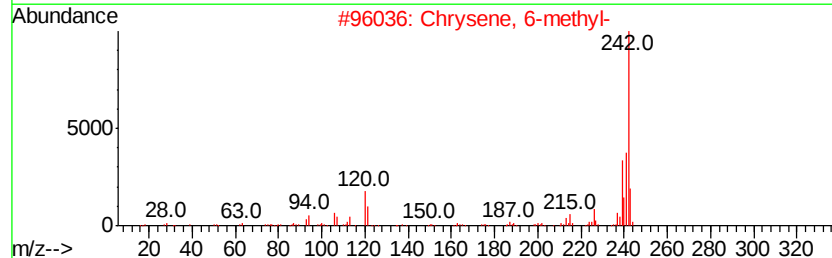
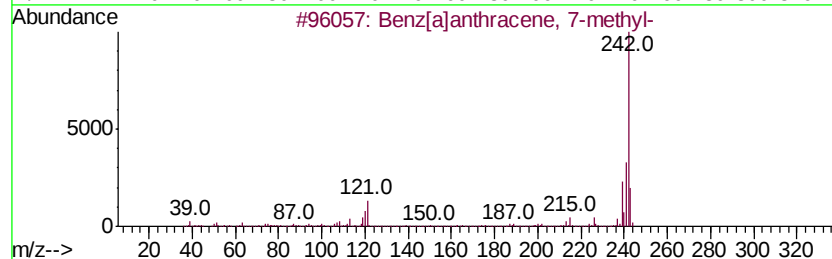
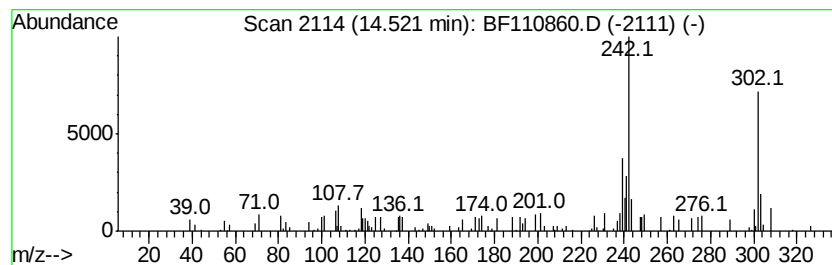
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benz[a]anthracene, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.52	2.03 ng	69159	Chrysene-d12	14.13		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	55
2		Chrysene, 6-methyl-	242	C19H14	001705-85-7	55
3		Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	55
4		5,7-Dimethyl-2-trifluoromethyl-c...	242	C12H9F3O2	000321-42-6	46
5		Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110860.D
Acq On : 19 Nov 2018 18:26
Operator : JU/SJ
Sample : J5981-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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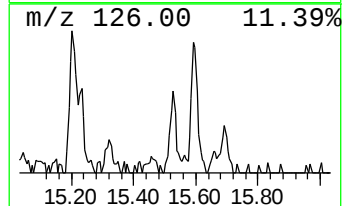
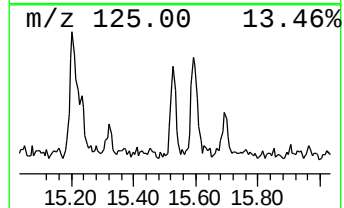
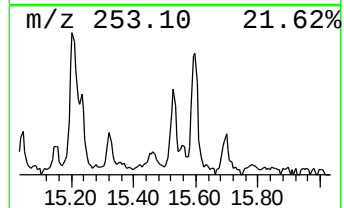
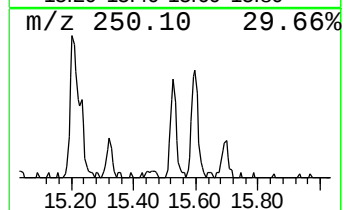
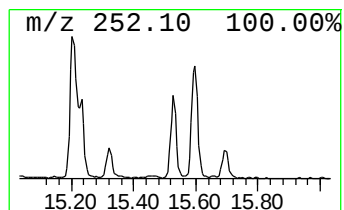
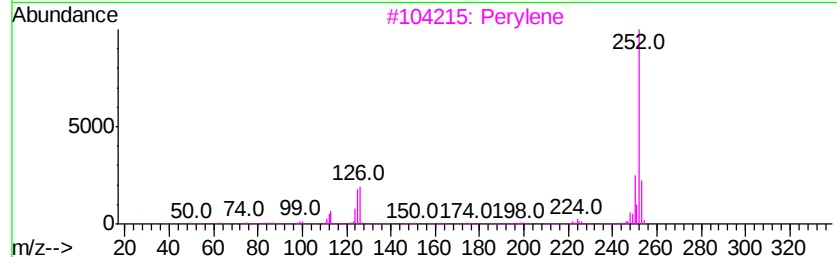
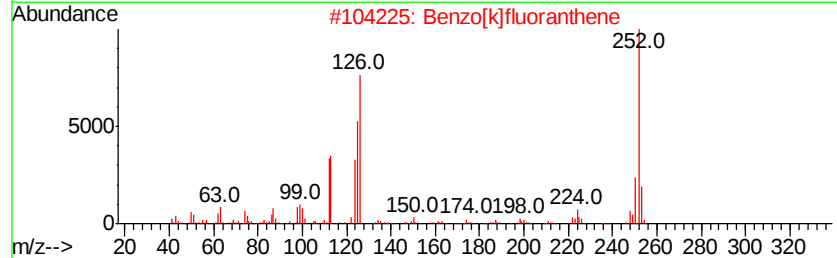
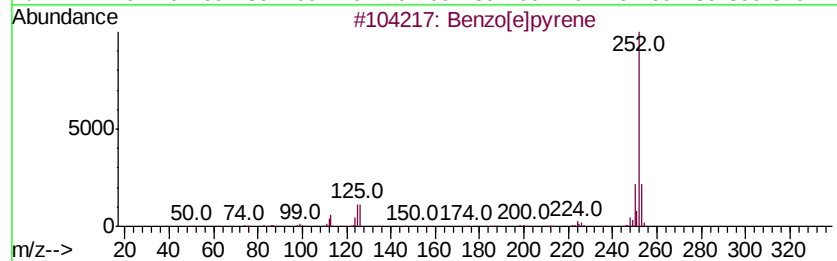
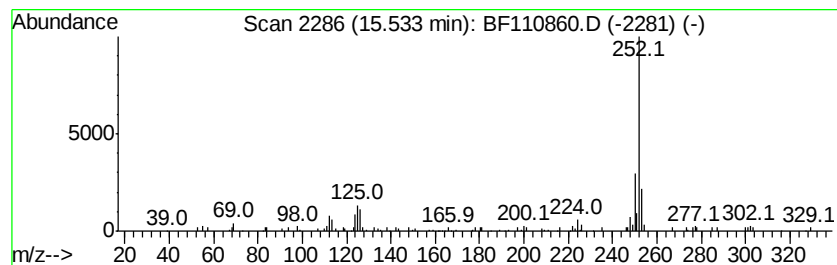
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.87 ng	82465	Perylene-d12	15.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3			Perylene	252	C20H12	000198-55-0	95
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
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Sample : J5981-06 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.19	3.9	ng	67865	1	6.94	352880	20.0
unknown6.71	6.71	17.6	ng	310336	1	6.94	352880	20.0
Anthracene, 1-met...	11.98	2.1	ng	45443	4	11.47	437728	20.0
Phenanthrene, 2-m...	12.01	2.1	ng	45630	4	11.47	437728	20.0
4H-Cyclopenta[def...	12.09	3.7	ng	80755	4	11.47	437728	20.0
Pyrene, 1-methyl-	13.26	2.4	ng	81280	5	14.13	681813	20.0
unknown14.30	14.30	2.3	ng	77898	5	14.13	681813	20.0
Benz[a]anthracene...	14.52	2.0	ng	69159	5	14.13	681813	20.0
Benzo[e]pyrene	15.53	5.9	ng	82465	6	15.66	280967	20.0