

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
 Data File : BF110822.D
 Acq On : 16 Nov 2018 17:46
 Operator : JU/SJ
 Sample : J5952-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VTW-03(4-6)

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-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	4.034	326	331	339	rBV	58760	82971	8.46%	0.545%
2	5.557	587	590	607	rBV	173888	250286	25.53%	1.643%
3	6.563	758	761	772	rBV	206884	276696	28.22%	1.816%
4	6.704	782	785	792	rBV	304595	299121	30.51%	1.964%
5	6.939	821	825	833	rBV	390665	357238	36.44%	2.345%
6	7.092	848	851	863	rBV	223814	214275	21.86%	1.407%
7	7.504	918	921	937	rBV	132463	175503	17.90%	1.152%
8	8.222	1039	1043	1045	rBV	518968	475382	48.49%	3.121%
9	8.239	1045	1046	1054	rVV	322560	324393	33.09%	2.129%
10	8.933	1161	1164	1172	rBV	168893	192872	19.67%	1.266%
11	9.033	1176	1181	1195	rVB	150881	163012	16.63%	1.070%
12	9.292	1222	1225	1234	rBV	318928	271445	27.69%	1.782%
13	9.398	1240	1243	1249	rBV	50674	45688	4.66%	0.300%
14	9.563	1267	1271	1275	rBV	49466	66365	6.77%	0.436%
15	9.633	1280	1283	1286	rVV	83206	88289	9.01%	0.580%
16	9.663	1286	1288	1291	rVV	55950	53447	5.45%	0.351%
17	9.686	1291	1292	1294	rVV	35845	32613	3.33%	0.214%
18	9.757	1301	1304	1313	rVB	37354	48654	4.96%	0.319%
19	9.845	1315	1319	1324	rBV	182422	182196	18.58%	1.196%
20	9.980	1339	1342	1346	rVV	587550	524164	53.46%	3.441%
21	10.016	1346	1348	1355	rVV2	58762	57884	5.90%	0.380%
22	10.186	1372	1377	1380	rBV2	32715	44221	4.51%	0.290%
23	10.292	1392	1395	1398	rBV	32213	34462	3.52%	0.226%
24	10.386	1407	1411	1416	rVB	25462	36307	3.70%	0.238%
25	10.439	1416	1420	1424	rBV	29492	29842	3.04%	0.196%
26	10.533	1433	1436	1441	rVB	183320	183746	18.74%	1.206%
27	10.604	1441	1448	1452	rBV4	13422	28651	2.92%	0.188%
28	10.774	1471	1477	1483	rBV3	170831	207338	21.15%	1.361%
29	11.080	1524	1529	1532	rBV	49522	56369	5.75%	0.370%
30	11.374	1575	1579	1582	rVB	117917	112541	11.48%	0.739%
31	11.474	1592	1596	1598	rBV	533781	456284	46.54%	2.995%
32	11.498	1598	1600	1604	rVV	912086	810286	82.65%	5.319%
33	11.551	1606	1609	1613	rVV	229516	223357	22.78%	1.466%
34	11.580	1613	1614	1621	rVV4	28292	38643	3.94%	0.254%

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35	11.710	1631	1636	1639	rVV2	32181	40480	4.13%	0.266%
36	11.810	1650	1653	1658	rVB2	52996	54970	5.61%	0.361%
37	11.892	1663	1667	1671	rVB	37702	46932	4.79%	0.308%
38	11.974	1678	1681	1684	rVV	153453	150873	15.39%	0.990%
39	12.004	1684	1686	1691	rVV	163991	150737	15.37%	0.989%
40	12.057	1691	1695	1697	rVV	64859	58809	6.00%	0.386%
41	12.092	1697	1701	1703	rVV2	232328	245125	25.00%	1.609%
42	12.110	1703	1704	1708	rVV	97467	79658	8.12%	0.523%
43	12.268	1728	1731	1734	rVV	103897	90011	9.18%	0.591%
44	12.310	1736	1738	1742	rVB4	28475	31375	3.20%	0.206%
45	12.527	1772	1775	1778	rBV	94961	99067	10.10%	0.650%
46	12.568	1778	1782	1784	rVV2	51789	71571	7.30%	0.470%
47	12.627	1787	1792	1800	rVB3	50084	92946	9.48%	0.610%
48	12.692	1800	1803	1806	rBV	609393	603024	61.51%	3.958%
49	12.721	1806	1808	1812	rVB2	108332	101225	10.32%	0.664%
50	12.792	1817	1820	1825	rVB	112636	98510	10.05%	0.647%
51	12.845	1825	1829	1831	rBV	58633	63043	6.43%	0.414%
52	12.904	1836	1839	1840	rBV	69106	55861	5.70%	0.367%
53	12.927	1840	1843	1848	rVB	874564	721960	73.64%	4.739%
54	12.974	1848	1851	1855	rVB3	44014	44136	4.50%	0.290%
55	13.051	1858	1864	1867	rBV2	213245	218191	22.26%	1.432%
56	13.092	1867	1871	1875	rVB2	22795	37451	3.82%	0.246%
57	13.145	1875	1880	1884	rBV2	61076	97892	9.98%	0.643%
58	13.251	1895	1898	1903	rVB	147535	167092	17.04%	1.097%
59	13.321	1907	1910	1913	rVV	94582	85855	8.76%	0.564%
60	13.357	1913	1916	1919	rVV2	91413	85869	8.76%	0.564%
61	13.451	1929	1932	1935	rVV	78819	63515	6.48%	0.417%
62	13.486	1935	1938	1941	rVB	64820	60166	6.14%	0.395%
63	13.733	1976	1980	1983	rBV5	21138	33902	3.46%	0.223%
64	13.768	1983	1986	1989	rVV2	46818	47354	4.83%	0.311%
65	13.874	2002	2004	2007	rVV	109137	118972	12.13%	0.781%
66	13.898	2007	2008	2011	rVV	86647	66128	6.74%	0.434%
67	13.933	2011	2014	2016	rVV	90440	102059	10.41%	0.670%
68	13.957	2016	2018	2020	rVV	42229	37730	3.85%	0.248%
69	13.980	2020	2022	2025	rVV	37658	33837	3.45%	0.222%
70	14.045	2028	2033	2039	rBV	45627	81689	8.33%	0.536%
71	14.127	2039	2047	2050	rBV2	652294	980408	100.00%	6.436%

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72	14.151	2050	2051	2055	rVV	393409	344471	35.14%	2.261%
73	14.210	2058	2061	2063	rVV	40580	44405	4.53%	0.291%
74	14.233	2063	2065	2068	rVV	60972	72890	7.43%	0.478%
75	14.286	2071	2074	2079	rVV3	77190	125355	12.79%	0.823%
76	14.357	2082	2086	2088	rVV2	37296	57132	5.83%	0.375%
77	14.386	2089	2091	2096	rVV3	33500	44021	4.49%	0.289%
78	14.451	2098	2102	2104	rVV2	21877	32138	3.28%	0.211%
79	14.474	2104	2106	2108	rVV	37619	40679	4.15%	0.267%
80	14.515	2108	2113	2116	rVV	125827	195002	19.89%	1.280%
81	14.545	2116	2118	2121	rVV	77441	93129	9.50%	0.611%
82	14.592	2122	2126	2128	rVV3	59253	97892	9.98%	0.643%
83	14.615	2128	2130	2132	rVV2	60832	66206	6.75%	0.435%
84	14.645	2132	2135	2137	rVV	81939	103192	10.53%	0.677%
85	14.662	2137	2138	2142	rVV	72970	66552	6.79%	0.437%
86	14.709	2143	2146	2150	rVV4	43280	60670	6.19%	0.398%
87	14.874	2166	2174	2178	rBV8	35258	72792	7.42%	0.478%
88	15.033	2198	2201	2204	rVV2	36630	40701	4.15%	0.267%
89	15.204	2225	2230	2237	rBV	264488	539484	55.03%	3.541%
90	15.257	2237	2239	2244	rVB3	30661	35575	3.63%	0.234%
91	15.315	2245	2249	2253	rVB	65313	73533	7.50%	0.483%
92	15.409	2261	2265	2267	rBV2	18894	27900	2.85%	0.183%
93	15.521	2280	2284	2288	rBV	165233	201130	20.51%	1.320%
94	15.592	2291	2296	2302	rVV	241979	346338	35.33%	2.273%
95	15.656	2302	2307	2310	rVV	232392	312497	31.87%	2.051%
96	15.686	2310	2312	2319	rVB2	62720	94679	9.66%	0.622%
97	16.256	2405	2409	2413	rBV3	20720	30329	3.09%	0.199%
98	17.227	2567	2574	2581	rVB2	82999	169747	17.31%	1.114%
99	17.709	2650	2656	2666	rBV2	66146	142986	14.58%	0.939%
100	17.980	2696	2702	2708	rVB2	16485	39535	4.03%	0.260%

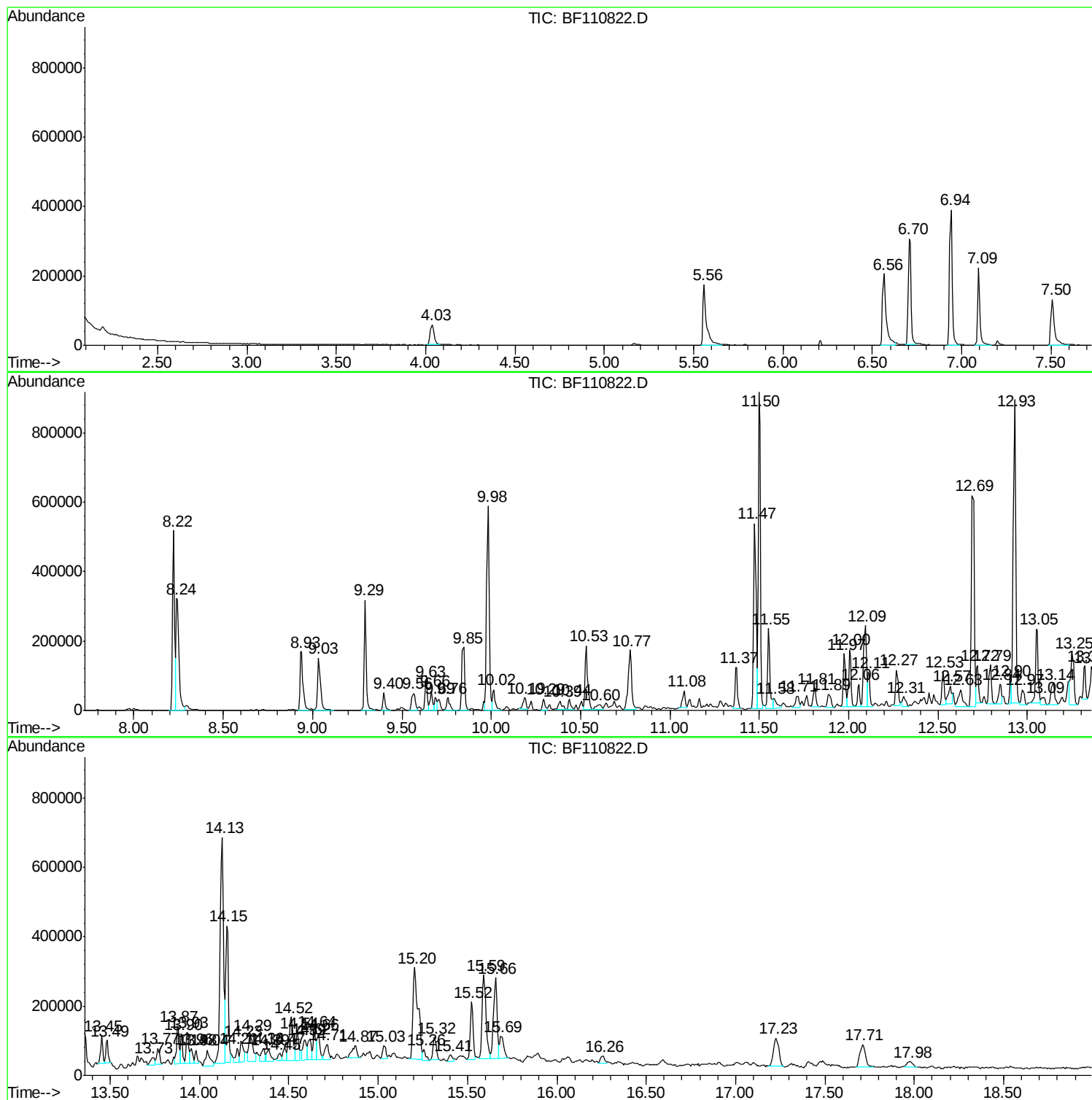
Sum of corrected areas: 15233924

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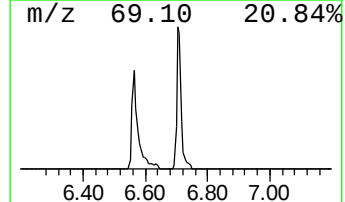
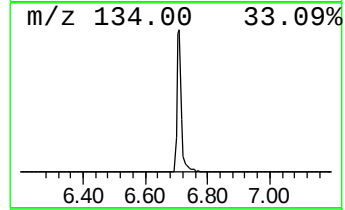
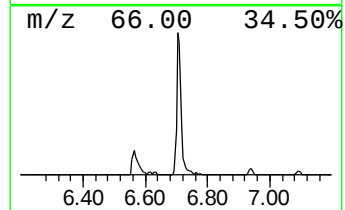
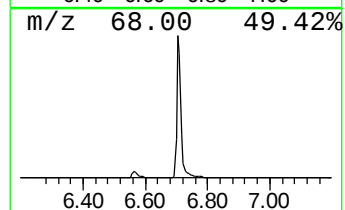
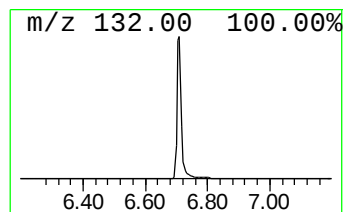
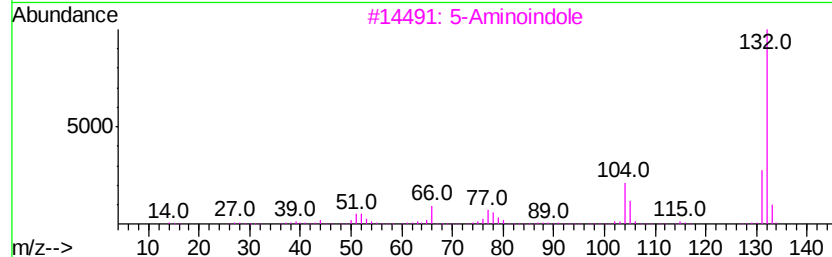
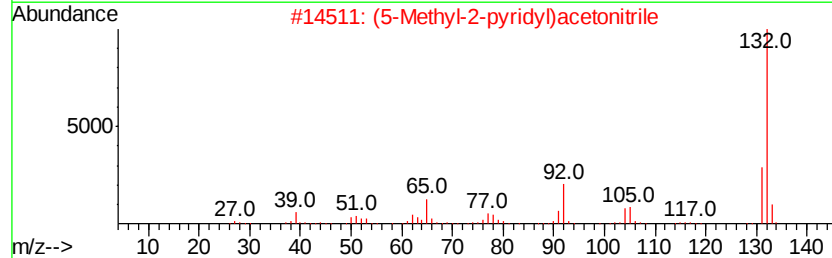
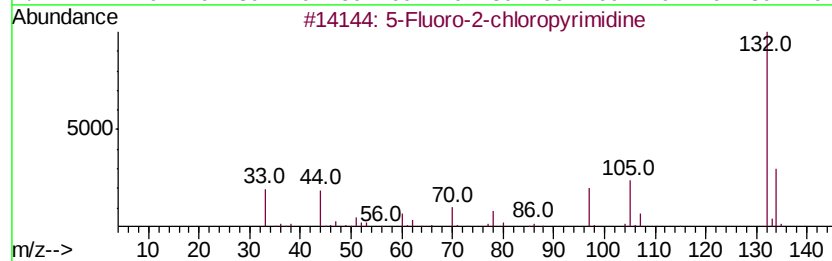
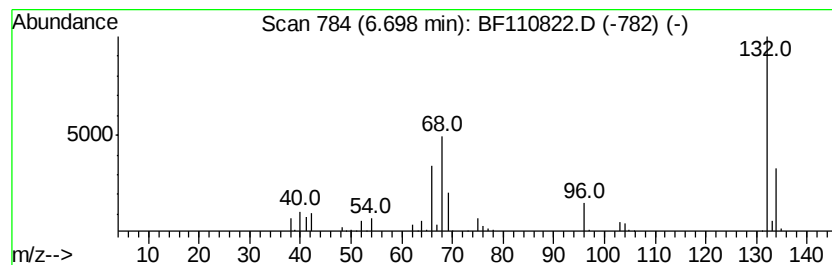
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.70 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	16.75 ng	299121	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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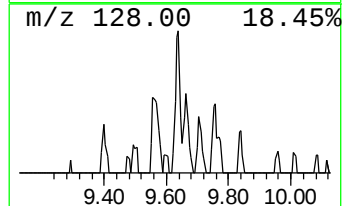
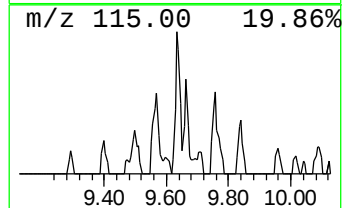
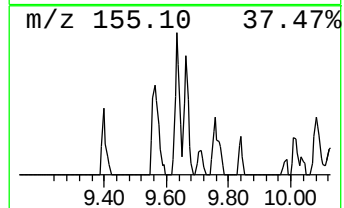
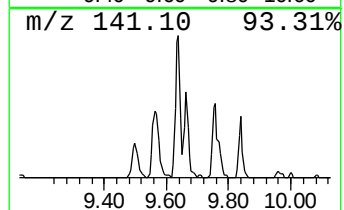
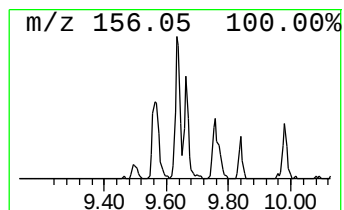
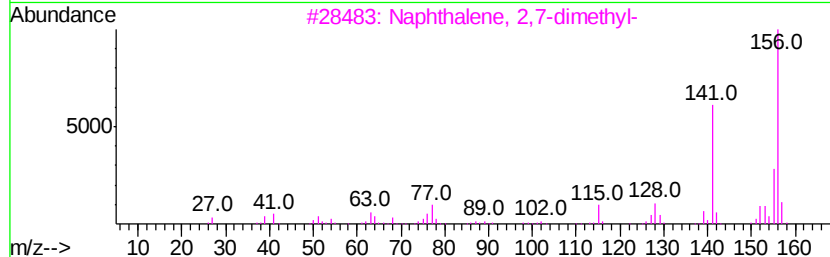
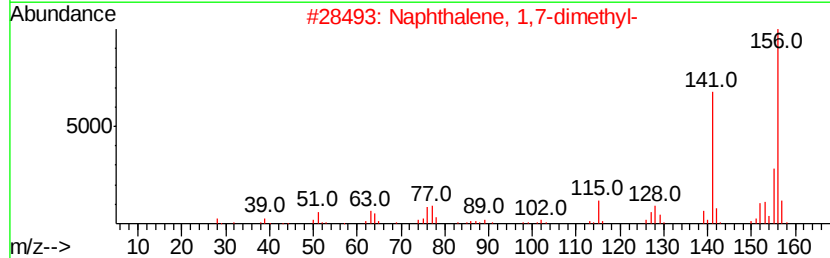
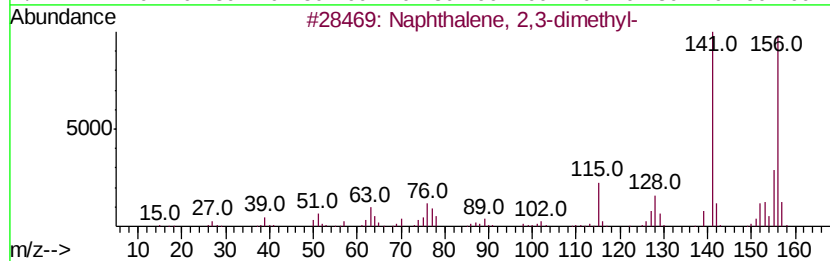
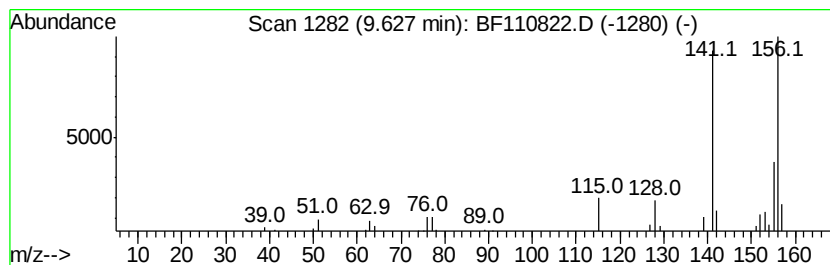
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Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	3.37 ng	88289	Acenaphthene-d10	9.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
3		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96



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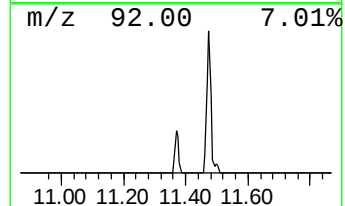
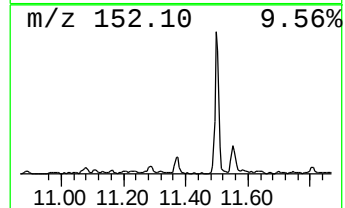
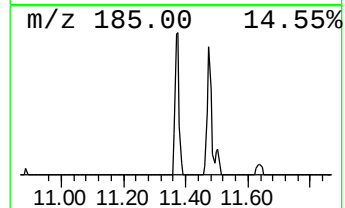
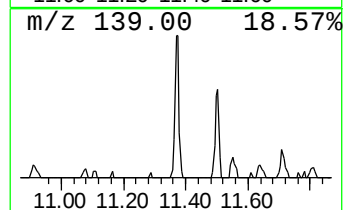
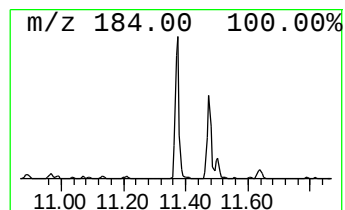
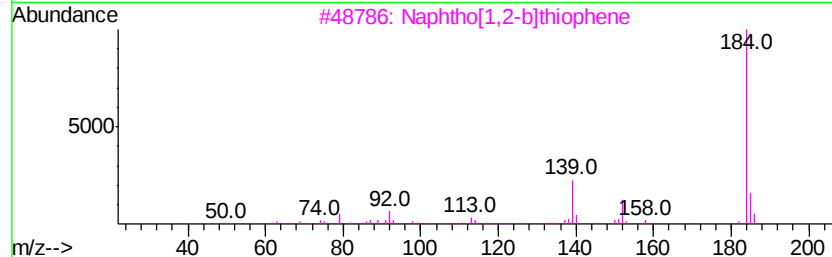
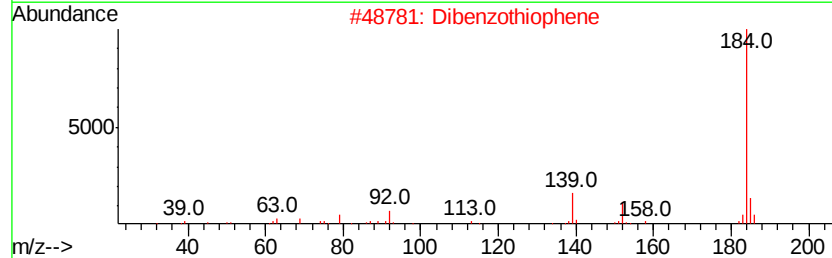
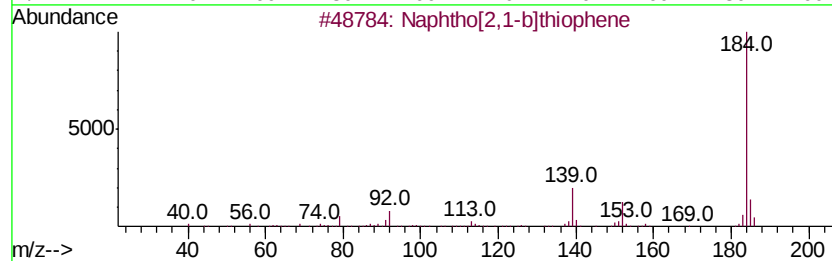
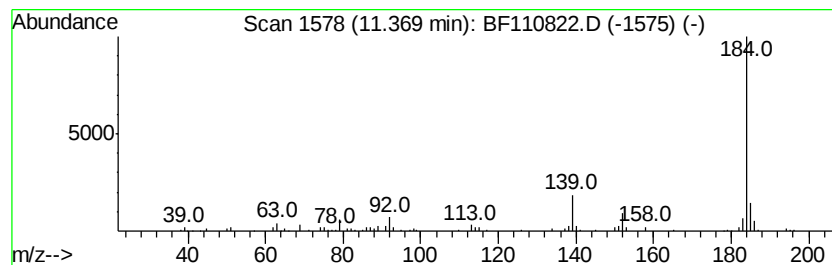
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	4.93 ng	112541	Phenanthrene-d10	11.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

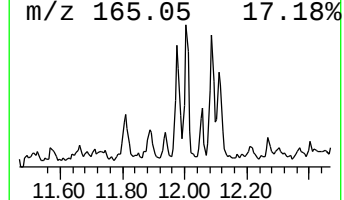
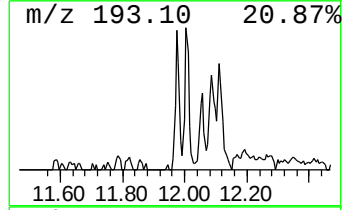
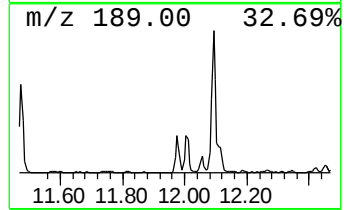
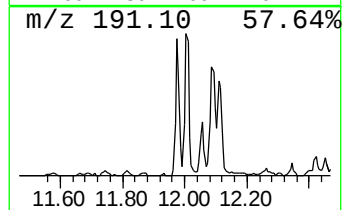
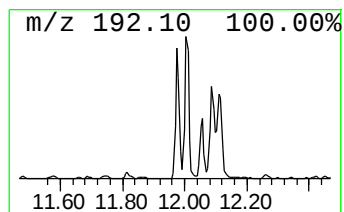
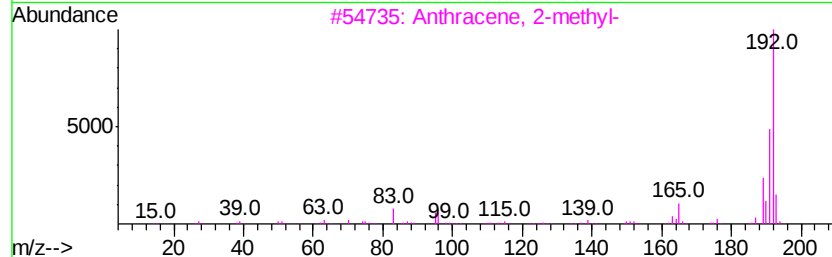
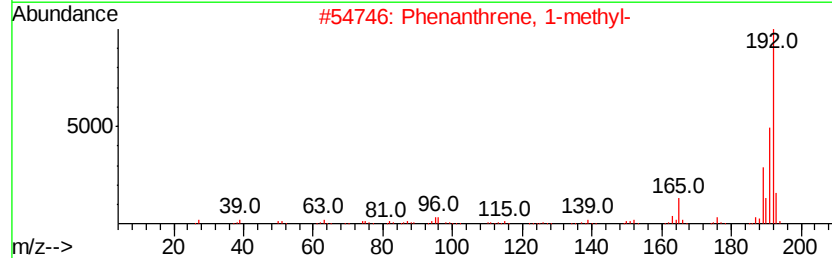
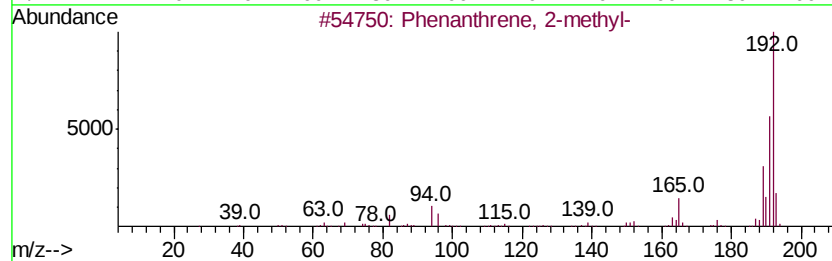
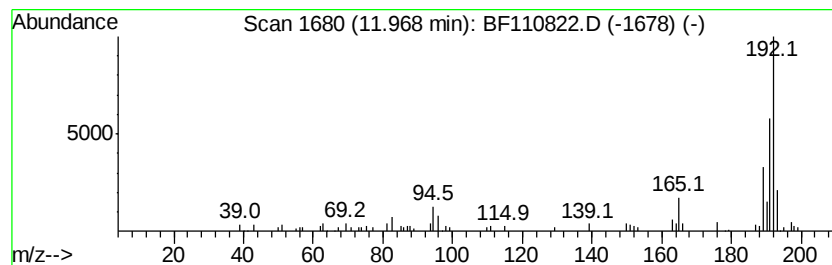
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ClientSampleId :
VTW-03(4-6)

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 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.97	6.61 ng	150873	Phenanthrene-d10	11.47	
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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
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Sample : J5952-05 5X
Misc :
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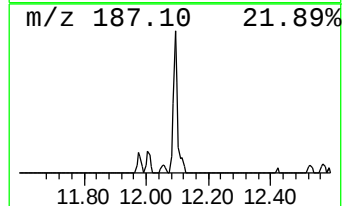
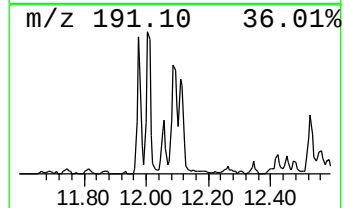
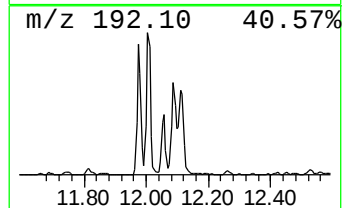
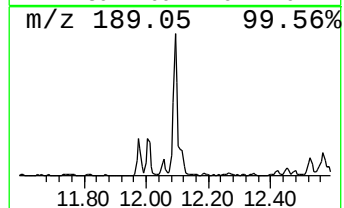
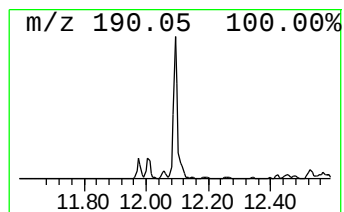
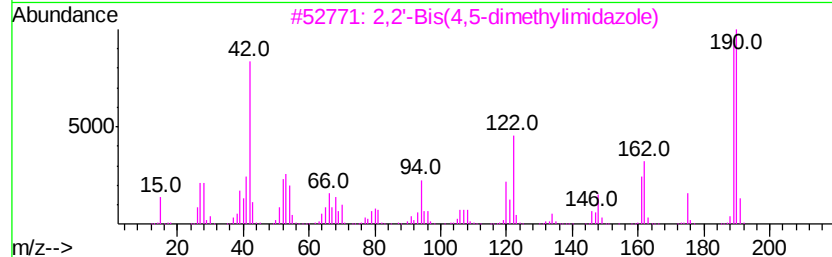
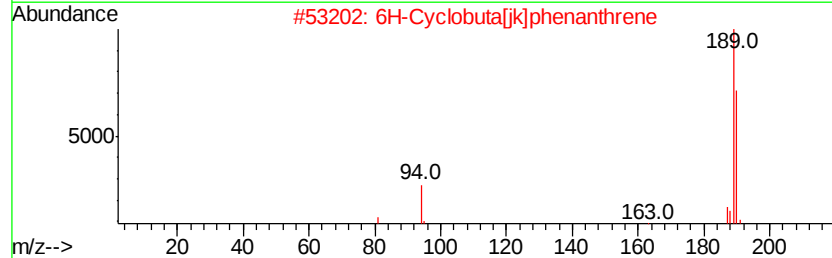
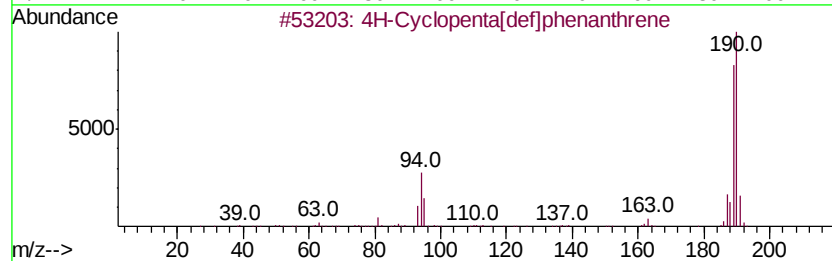
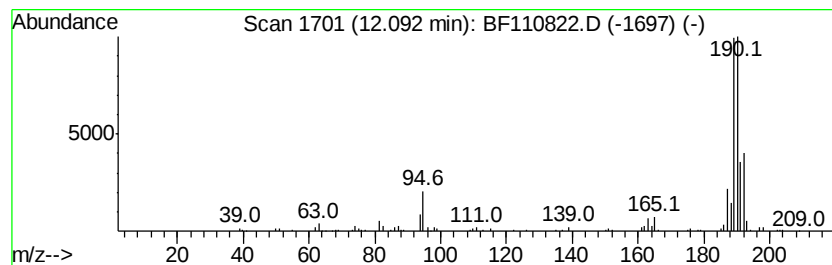
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.09	10.74 ng	245125	Phenanthrene-d10	11.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	17
5	1-Aminocyclopentanecarboxylic ac...	333	C16H28ClN04	1000329-16-8	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
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Instrument :
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ClientSampleId :
VTW-03(4-6)

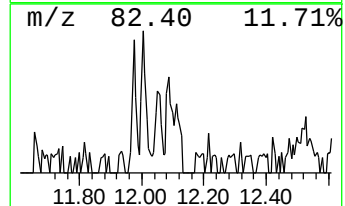
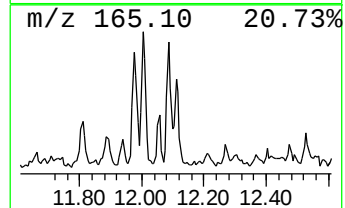
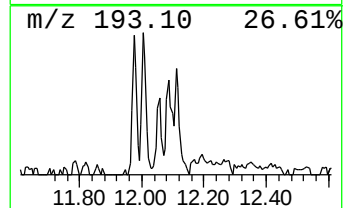
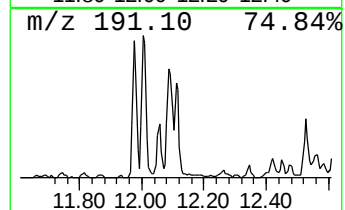
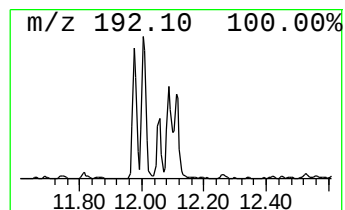
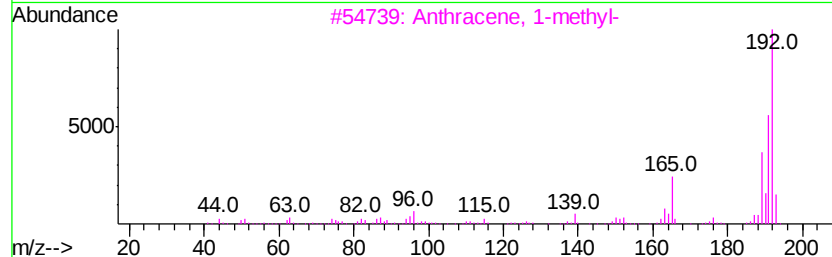
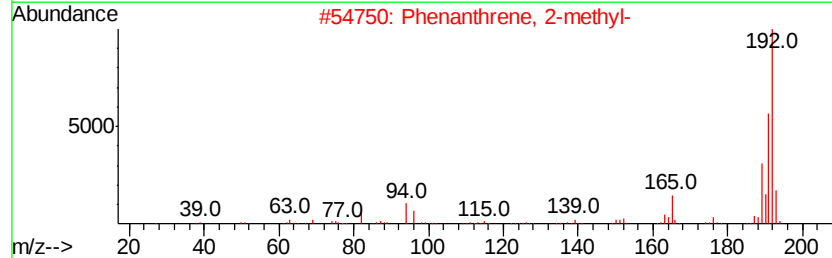
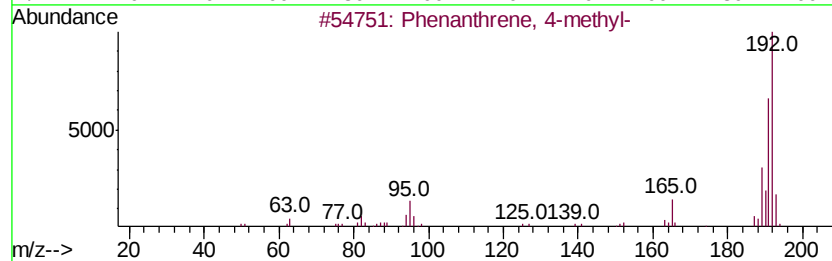
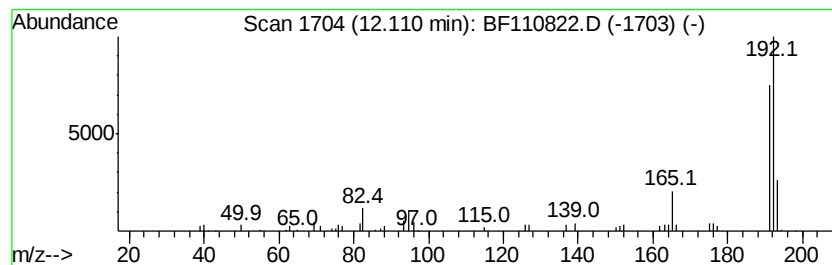
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.49 ng	79658	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
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Instrument :
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ClientSampleId :
VTW-03(4-6)

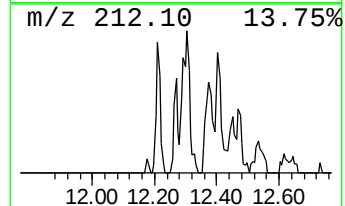
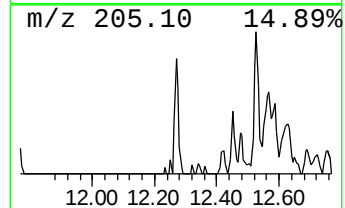
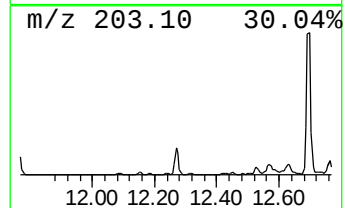
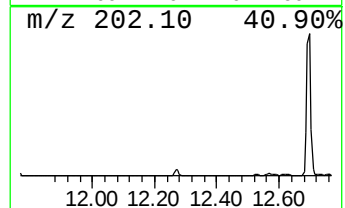
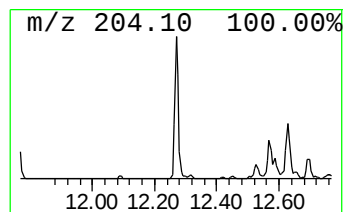
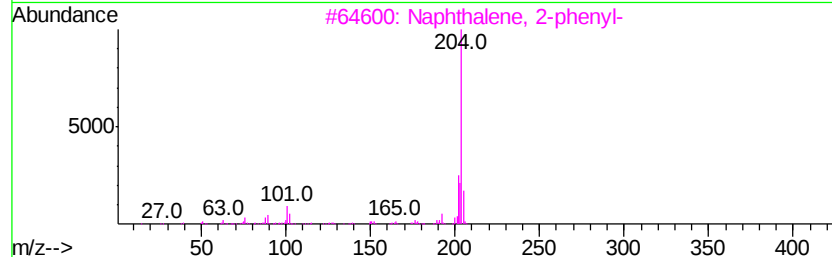
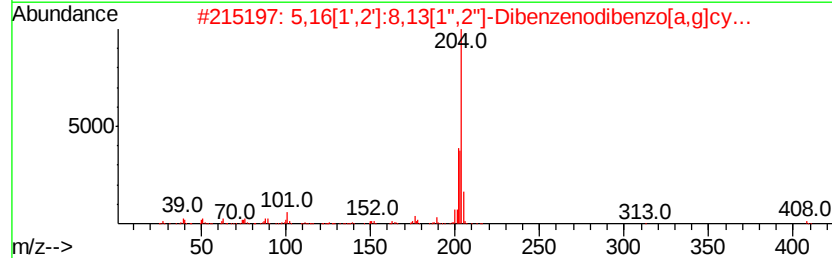
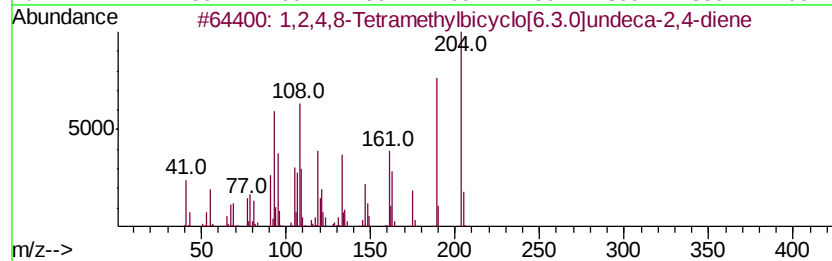
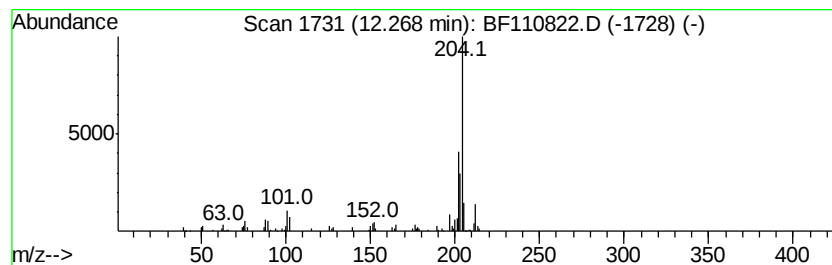
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.95 ng	90011	Phenanthrene-d10	11.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	86
2			5,16[1',2']:[8,13[1'',2'']]-Dibenz[1,2-b:4,5-b']-diphenyl-	408	C32H24	005672-97-9	80
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
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\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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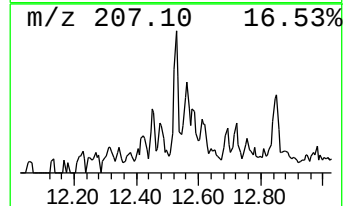
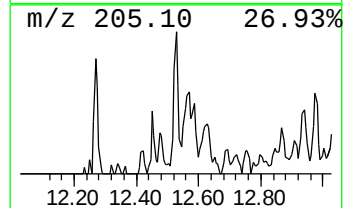
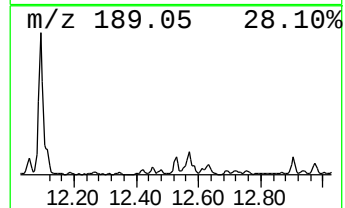
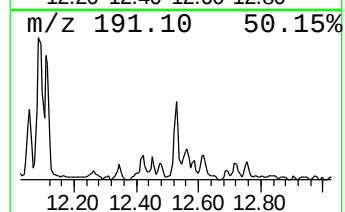
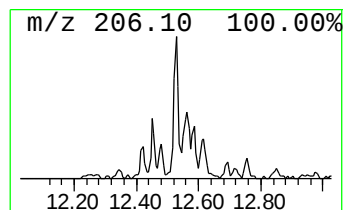
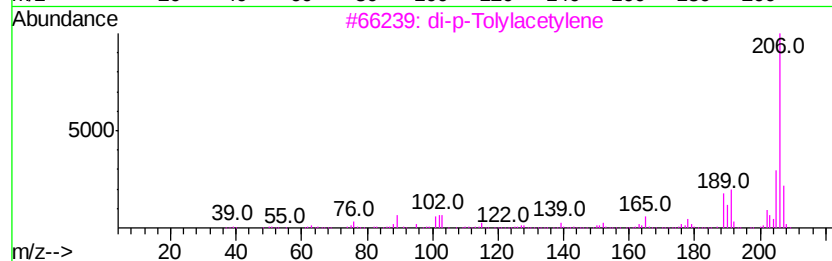
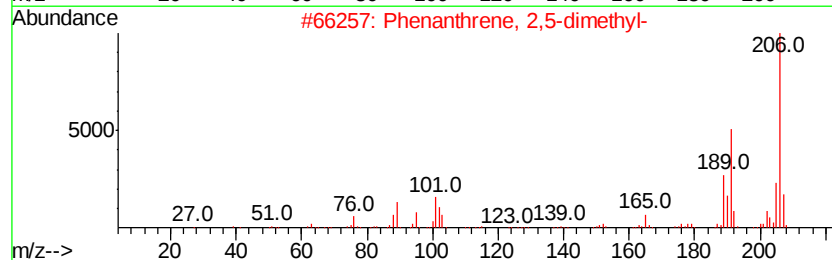
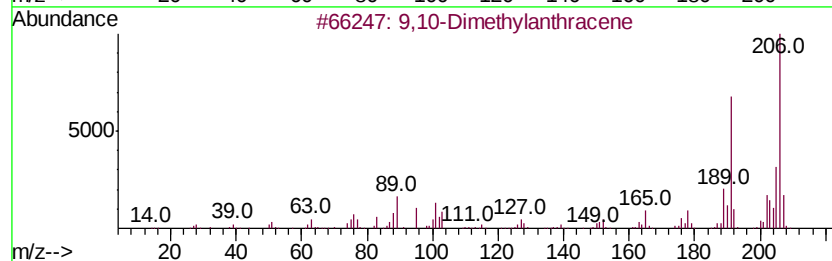
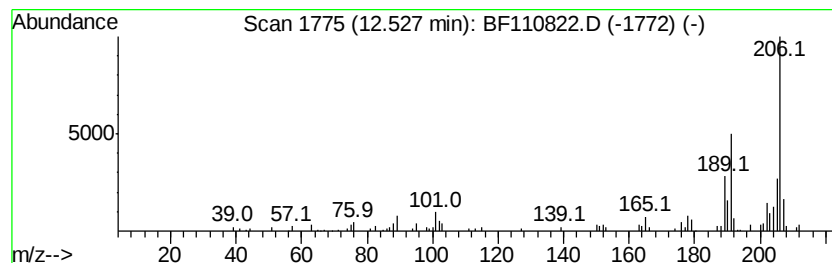
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	4.34 ng	99067	Phenanthrene-d10	11.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	95
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
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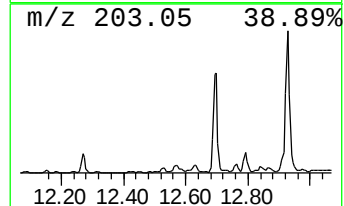
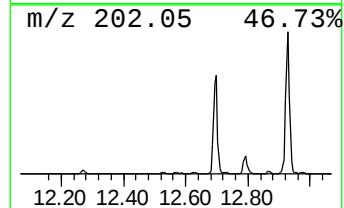
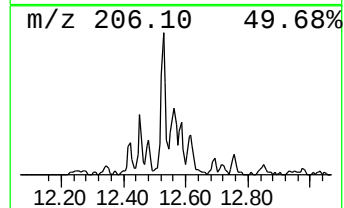
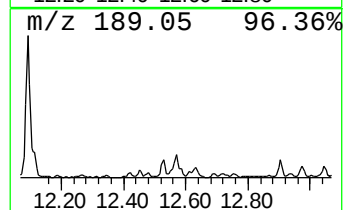
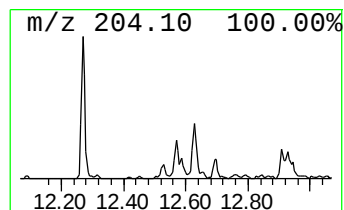
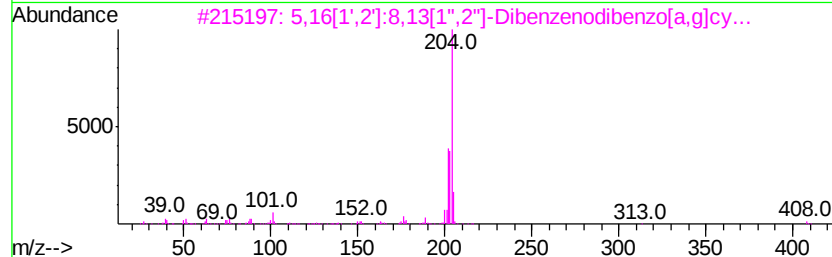
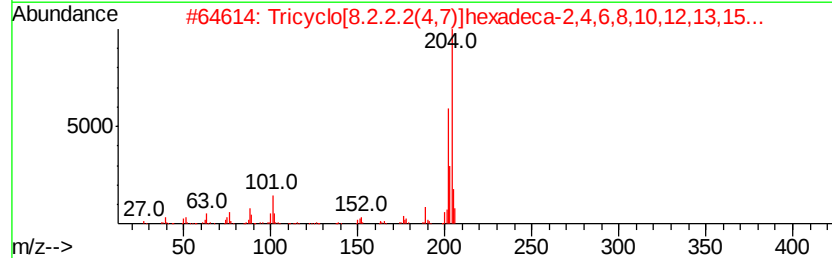
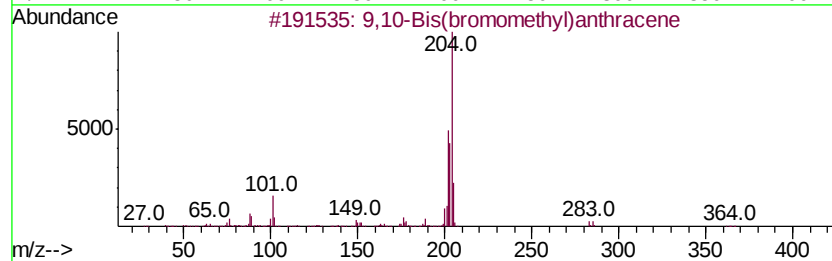
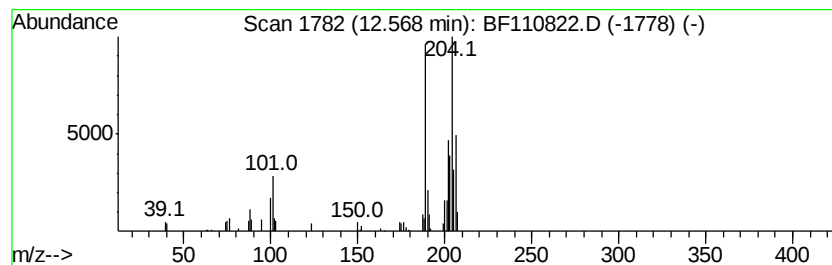
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Bis(bromomethyl)anthra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.57	3.14 ng	71571	Phenanthrene-d10	11.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
4	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
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ALS Vial : 15 Sample Multiplier: 1

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VTW-03(4-6)

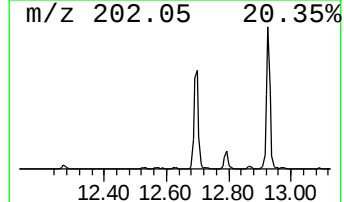
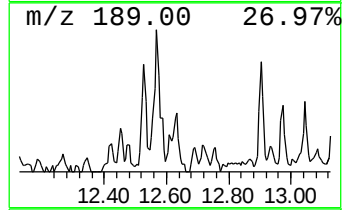
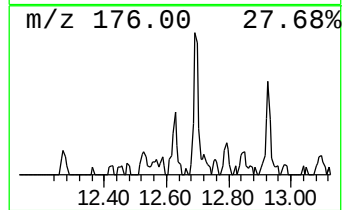
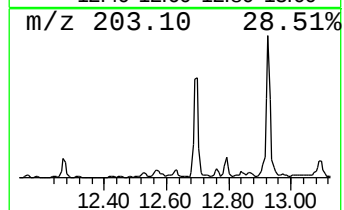
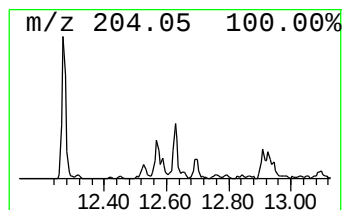
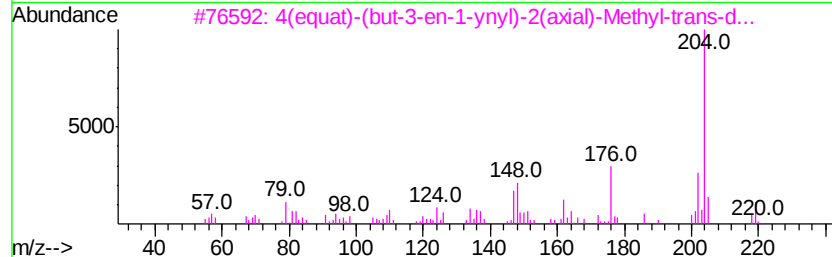
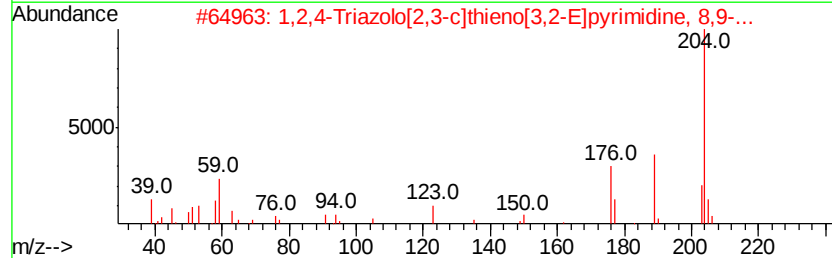
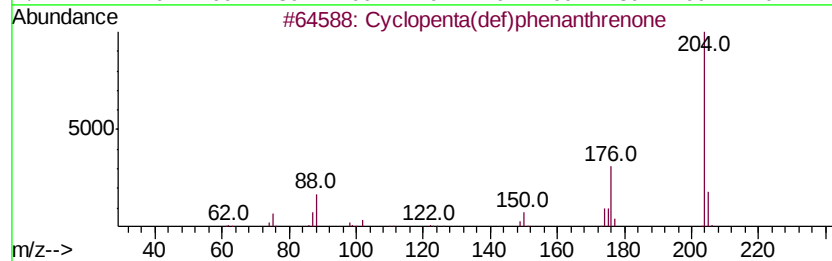
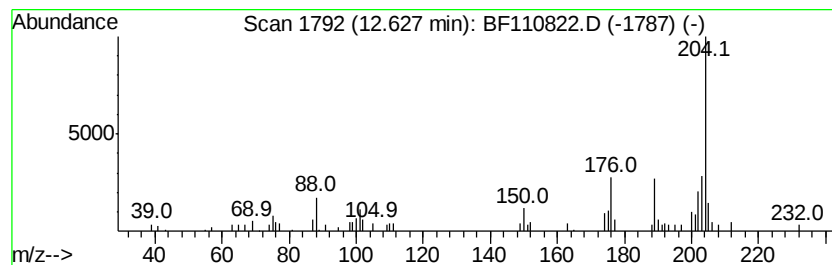
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.07 ng	92946	Phenanthrene-d10	11.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2		1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	59
3		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
5		Pyrimidin-2(1H)-thione, 3,4-dihy...	204	C11H12N2S	030570-19-5	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

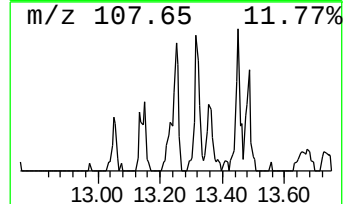
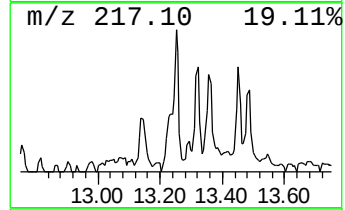
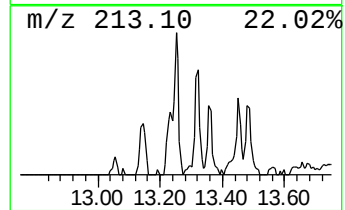
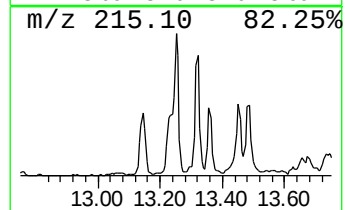
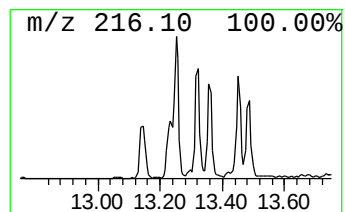
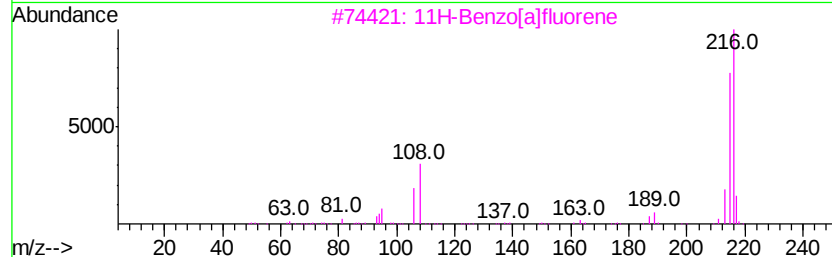
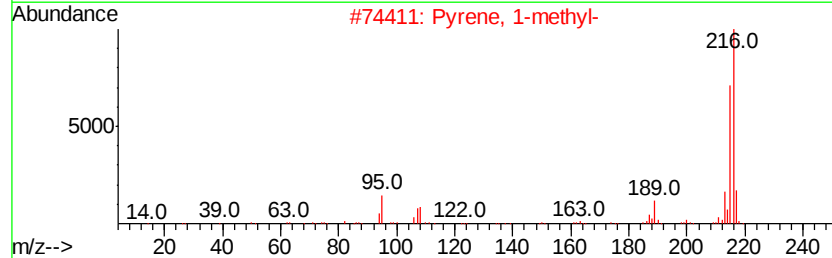
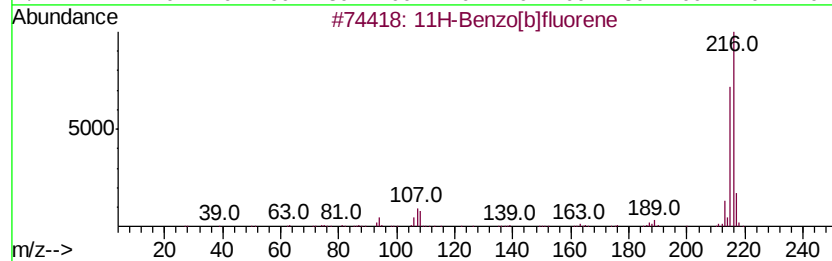
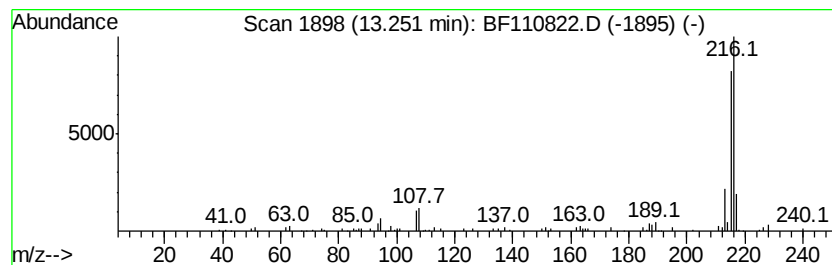
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ClientSampleId :
VTW-03(4-6)

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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 16 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.25	3.41 ng	167092	Chrysene-d12	14.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[blfluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[alfluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	.beta.-Carboline, 1,2,3,4-tetra...	260	C14H16N2O3	029573-11-3	56



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

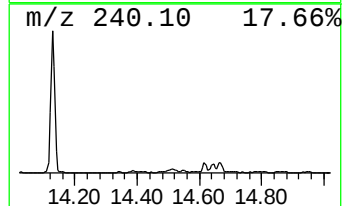
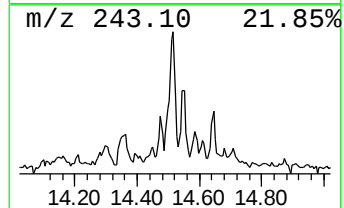
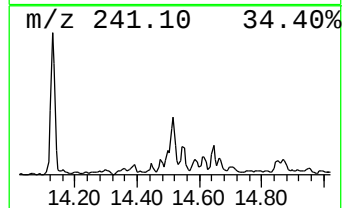
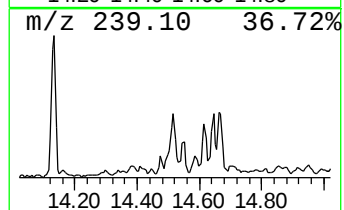
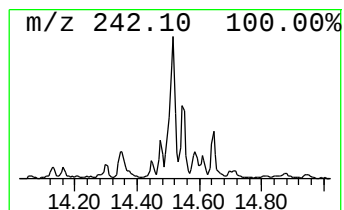
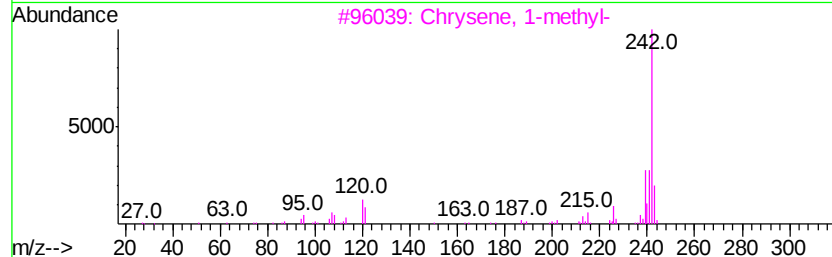
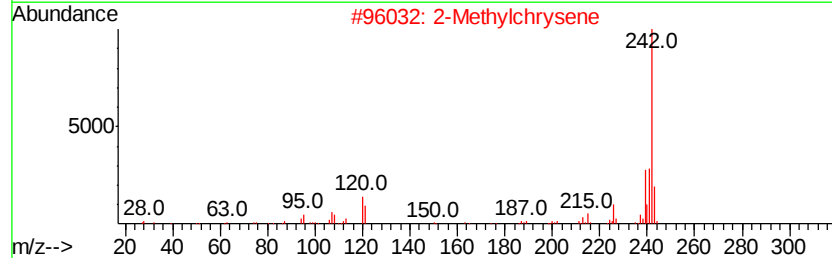
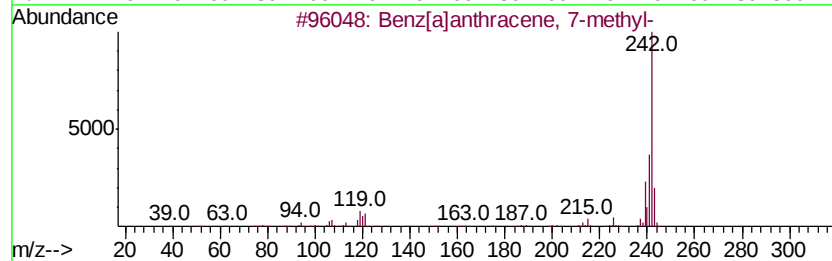
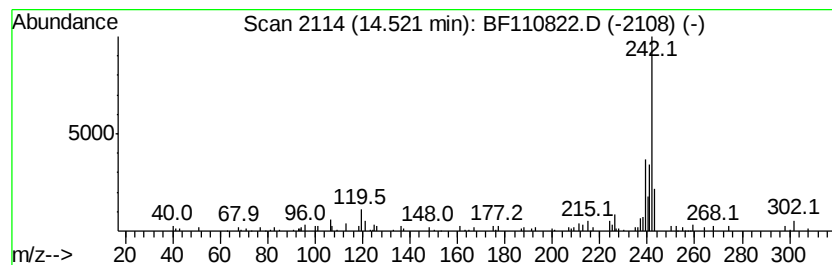
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	3.98 ng	195002	Chrysene-d12	14.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2			2-Methylchrysene	242	C19H14	003351-32-4	93
3			Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4			1H-Benz[fl]indene, 2-phenyl-	242	C19H14	1000305-22-4	90
5			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

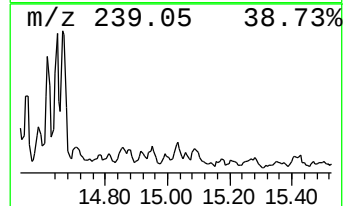
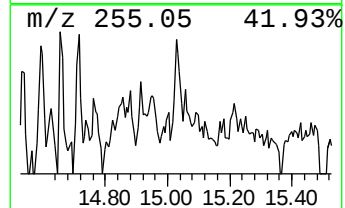
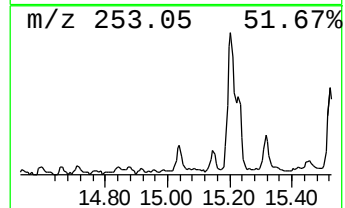
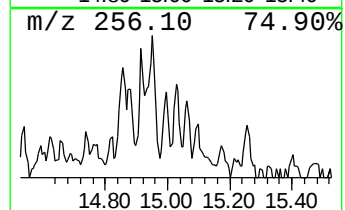
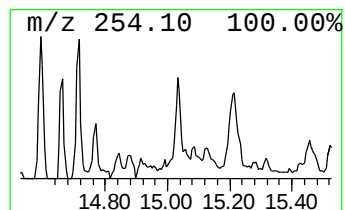
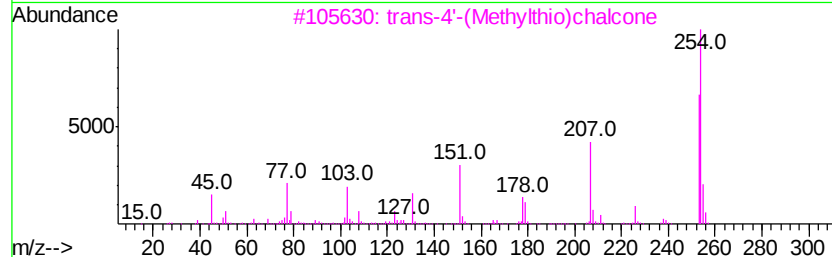
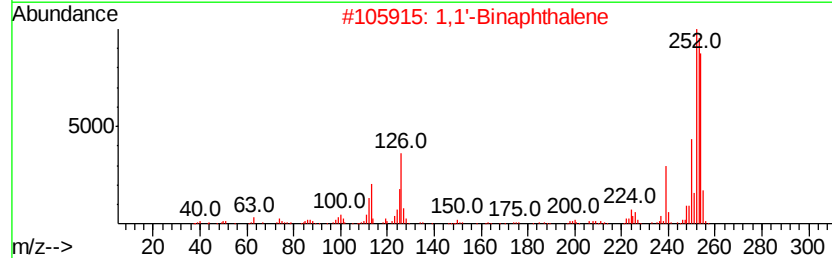
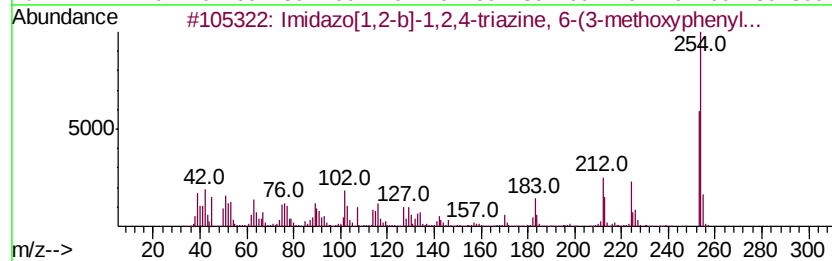
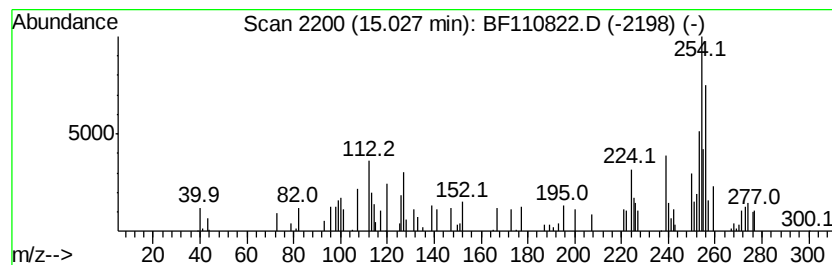
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown15.03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.60 ng	40701	Perylene-d12	15.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	49
2			1,1'-Binaphthalene	254	C20H14	000604-53-5	49
3			trans-4'-(Methylthio)chalcone	254	C16H14OS	017129-07-6	46
4			Anthracene, 9-phenyl-	254	C20H14	000602-55-1	43
5			Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

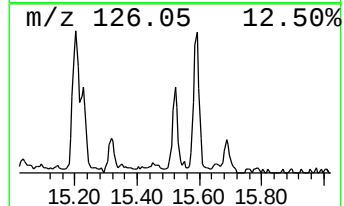
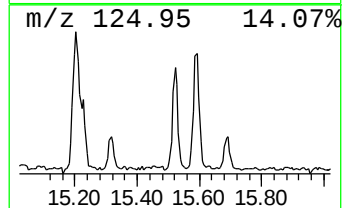
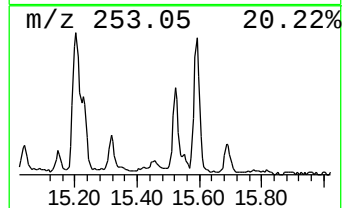
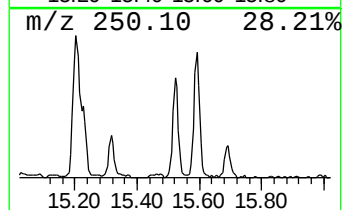
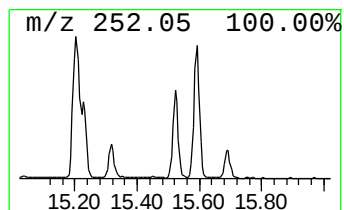
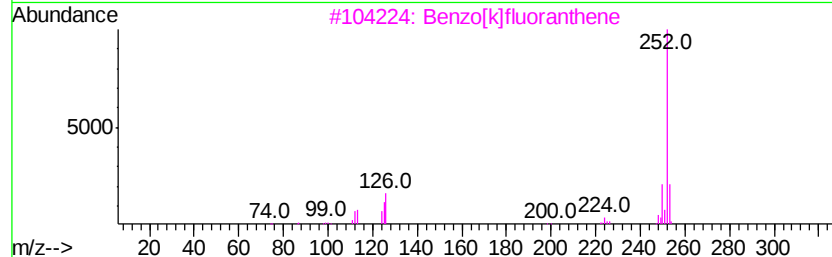
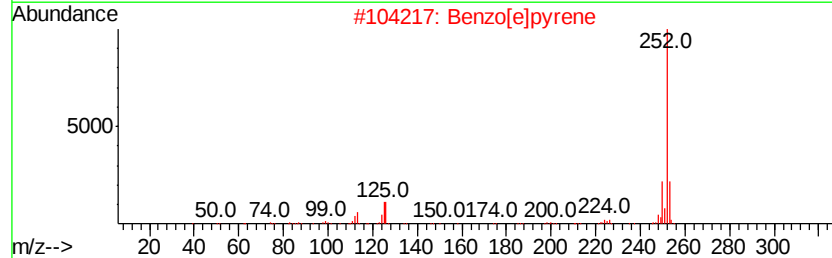
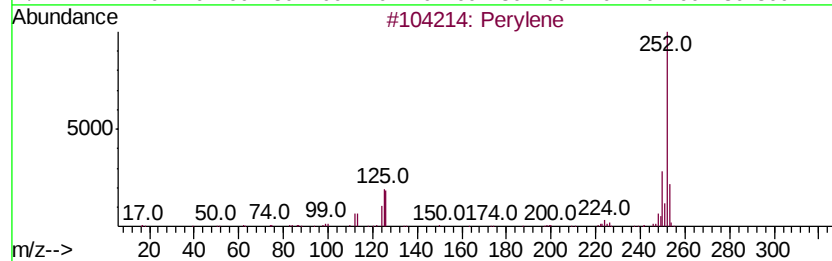
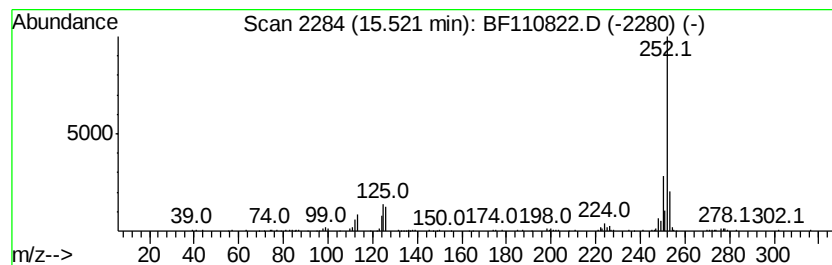
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	12.87 ng	201130	Perylene-d12	15.66

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111618\
Data File : BF110822.D
Acq On : 16 Nov 2018 17:46
Operator : JU/SJ
Sample : J5952-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VTW-03(4-6)

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
unknown6.70	6.70	16.8	ng	299121	1	6.94	357238	20.0
Naphthalene, 2,3-...	9.63	3.4	ng	88289	3	9.98	524164	20.0
Naphtho[2,1-b]thi...	11.37	4.9	ng	112541	4	11.47	456284	20.0
Phenanthrene, 2-m...	11.97	6.6	ng	150873	4	11.47	456284	20.0
4H-Cyclopenta[def...	12.09	10.7	ng	245125	4	11.47	456284	20.0
Phenanthrene, 4-m...	12.11	3.5	ng	79658	4	11.47	456284	20.0
1,2,4,8-Tetrameth...	12.27	4.0	ng	90011	4	11.47	456284	20.0
9,10-Dimethylanth...	12.53	4.3	ng	99067	4	11.47	456284	20.0
9,10-Bis(bromomet...	12.57	3.1	ng	71571	4	11.47	456284	20.0
Cyclopenta(def)ph...	12.63	4.1	ng	92946	4	11.47	456284	20.0
11H-Benzo[b]fluorene	13.25	3.4	ng	167092	5	14.13	980408	20.0
Benz[a]anthracene...	14.52	4.0	ng	195002	5	14.13	980408	20.0
unknown15.03	15.03	2.6	ng	40701	6	15.66	312497	20.0
Perylene	15.52	12.9	ng	201130	6	15.66	312497	20.0