

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
 Data File : BF082571.D
 Acq On : 28 Oct 2015 3:37
 Operator : UM/IZ
 Sample : G4178-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-BOILERROOM2.5FTDEEP

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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	4.869	236	239	252	rVB	699174	1155347	41.66%	2.850%
2	5.314	276	278	300	rBV	1917964	2178443	78.55%	5.374%
3	6.377	368	371	373	rBV	2066698	2311496	83.34%	5.702%
4	6.480	378	380	383	rBV	2008969	2249521	81.11%	5.549%
5	6.709	398	400	405	rBV	517812	470301	16.96%	1.160%
6	6.869	411	414	416	rBV	1613488	1909376	68.84%	4.710%
7	7.292	448	451	453	rBV	1246935	1510384	54.46%	3.726%
8	8.023	510	515	517	rBV2	839712	1449739	52.27%	3.576%
9	8.080	517	520	524	rVB	20738	31330	1.13%	0.077%
10	8.709	574	575	578	rBV	83091	115994	4.18%	0.286%
11	8.812	582	584	591	rVB	73914	69259	2.50%	0.171%
12	9.075	604	607	610	rBV	2359905	2679166	96.60%	6.609%
13	9.178	615	616	623	rVB	33639	42580	1.54%	0.105%
14	9.418	635	637	638	rBV	25040	36074	1.30%	0.089%
15	9.475	640	642	645	rVV	484804	487609	17.58%	1.203%
16	9.612	652	654	657	rBV	50471	50233	1.81%	0.124%
17	9.749	664	666	668	rBV	736810	713731	25.73%	1.761%
18	9.783	668	669	672	rVB	292612	230603	8.31%	0.569%
19	9.955	682	684	687	rBV	188235	191550	6.91%	0.473%
20	10.183	700	704	705	rBV3	27370	60733	2.19%	0.150%
21	10.298	712	714	717	rVB	304949	277611	10.01%	0.685%
22	10.389	717	722	725	rBV3	26155	75410	2.72%	0.186%
23	10.458	727	728	732	rVB	51313	44145	1.59%	0.109%
24	10.549	733	736	738	rBV	1251041	1493101	53.83%	3.683%
25	10.652	743	745	747	rBV	53100	64524	2.33%	0.159%
26	10.846	756	762	764	rBV2	43519	76963	2.77%	0.190%
27	10.972	771	773	778	rBV4	24406	61348	2.21%	0.151%
28	11.052	778	780	782	rVV	84770	84063	3.03%	0.207%
29	11.098	782	784	785	rVV2	67401	73534	2.65%	0.181%
30	11.132	785	787	791	rVB	128359	139586	5.03%	0.344%
31	11.269	794	799	801	rBV2	1471210	2773480	100.00%	6.842%
32	11.315	801	803	805	rVV	517500	513437	18.51%	1.267%
33	11.361	805	807	809	rVB	42803	68374	2.47%	0.169%
34	11.475	815	817	820	rBV	390743	482468	17.40%	1.190%

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35	11.521	820	821	823	rVV2	46527	62581	2.26%	0.154%
36	11.566	823	825	828	rVB3	15365	35882	1.29%	0.089%
37	11.738	838	840	841	rBV	162176	146178	5.27%	0.361%
38	11.772	841	843	845	rVV	250010	311184	11.22%	0.768%
39	11.818	845	847	848	rVV	70514	76575	2.76%	0.189%
40	11.852	848	850	855	rVB2	233941	368315	13.28%	0.909%
41	11.932	855	857	858	rBV	44479	44897	1.62%	0.111%
42	11.955	858	859	863	rVV3	25036	33569	1.21%	0.083%
43	12.035	863	866	868	rVB	115020	118917	4.29%	0.293%
44	12.081	868	870	873	rVB2	38873	68223	2.46%	0.168%
45	12.184	877	879	880	rBV	28478	33660	1.21%	0.083%
46	12.286	886	888	890	rBV	65991	84321	3.04%	0.208%
47	12.321	890	891	894	rVB3	31734	34631	1.25%	0.085%
48	12.389	894	897	900	rBV2	49219	69164	2.49%	0.171%
49	12.458	900	903	905	rBV	1453869	1911797	68.93%	4.716%
50	12.526	905	909	910	rVV3	21551	45784	1.65%	0.113%
51	12.595	913	915	919	rVV	57934	94738	3.42%	0.234%
52	12.675	919	922	925	rVV2	1230058	1753433	63.22%	4.325%
53	12.732	925	927	929	rVB	63673	72365	2.61%	0.179%
54	12.824	931	935	939	rBV	2237788	2356445	84.96%	5.813%
55	12.904	939	942	944	rVV2	69890	135456	4.88%	0.334%
56	12.938	944	945	947	rVV	65814	68133	2.46%	0.168%
57	13.006	947	951	953	rVV	121872	216946	7.82%	0.535%
58	13.075	955	957	958	rVV	118592	118023	4.26%	0.291%
59	13.109	958	960	964	rVV2	113790	203594	7.34%	0.502%
60	13.166	964	965	967	rVV	37256	44331	1.60%	0.109%
61	13.201	967	968	970	rVV	44041	47835	1.72%	0.118%
62	13.235	970	971	975	rVV3	43012	83913	3.03%	0.207%
63	13.304	975	977	981	rVB2	51914	65430	2.36%	0.161%
64	13.521	994	996	1000	rVB	92747	119469	4.31%	0.295%
65	13.635	1003	1006	1009	rBV2	95649	248294	8.95%	0.612%
66	13.681	1009	1010	1011	rBV	79644	83190	3.00%	0.205%
67	13.715	1011	1013	1014	rVV2	46086	51642	1.86%	0.127%
68	13.875	1023	1027	1029	rBV2	830507	1548129	55.82%	3.819%
69	13.909	1029	1030	1032	rVV	519852	432311	15.59%	1.066%
70	13.989	1034	1037	1039	rVB	66068	104941	3.78%	0.259%
71	14.127	1047	1049	1053	rVB	66734	129612	4.67%	0.320%

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72	14.275	1060	1062	1064	rVB	77412	83421	3.01%	0.206%
73	14.607	1089	1091	1094	rBV	40990	80401	2.90%	0.198%
74	14.767	1103	1105	1107	rVB	69999	79904	2.88%	0.197%
75	14.904	1115	1117	1122	rVV	604085	1142059	41.18%	2.817%
76	15.007	1124	1126	1129	rVB	93885	101462	3.66%	0.250%
77	15.190	1139	1142	1145	rBV	259316	429873	15.50%	1.060%
78	15.247	1145	1147	1150	rVV	427098	530277	19.12%	1.308%
79	15.304	1150	1152	1153	rVV	310113	405643	14.63%	1.001%
80	15.327	1153	1154	1158	rVB	135177	185105	6.67%	0.457%
81	15.887	1201	1203	1209	rVB2	61051	149160	5.38%	0.368%
82	16.275	1234	1237	1240	rBV	67780	113841	4.10%	0.281%
83	16.481	1252	1255	1256	rBV2	33652	61751	2.23%	0.152%
84	16.653	1267	1270	1275	rBV	246092	518463	18.69%	1.279%
85	16.733	1275	1277	1281	rVB2	26561	48192	1.74%	0.119%
86	16.824	1282	1285	1287	rBV2	39210	74075	2.67%	0.183%
87	17.064	1303	1306	1315	rVB	204039	441599	15.92%	1.089%
88	17.304	1325	1327	1335	rVB2	37643	124092	4.47%	0.306%
89	19.144	1483	1488	1494	rBV	38232	150963	5.44%	0.372%
90	19.339	1501	1505	1509	rBV	27978	108554	3.91%	0.268%
91	20.230	1579	1583	1588	rBV	11024	39814	1.44%	0.098%
92	20.333	1590	1592	1601	rVB3	20437	73798	2.66%	0.182%

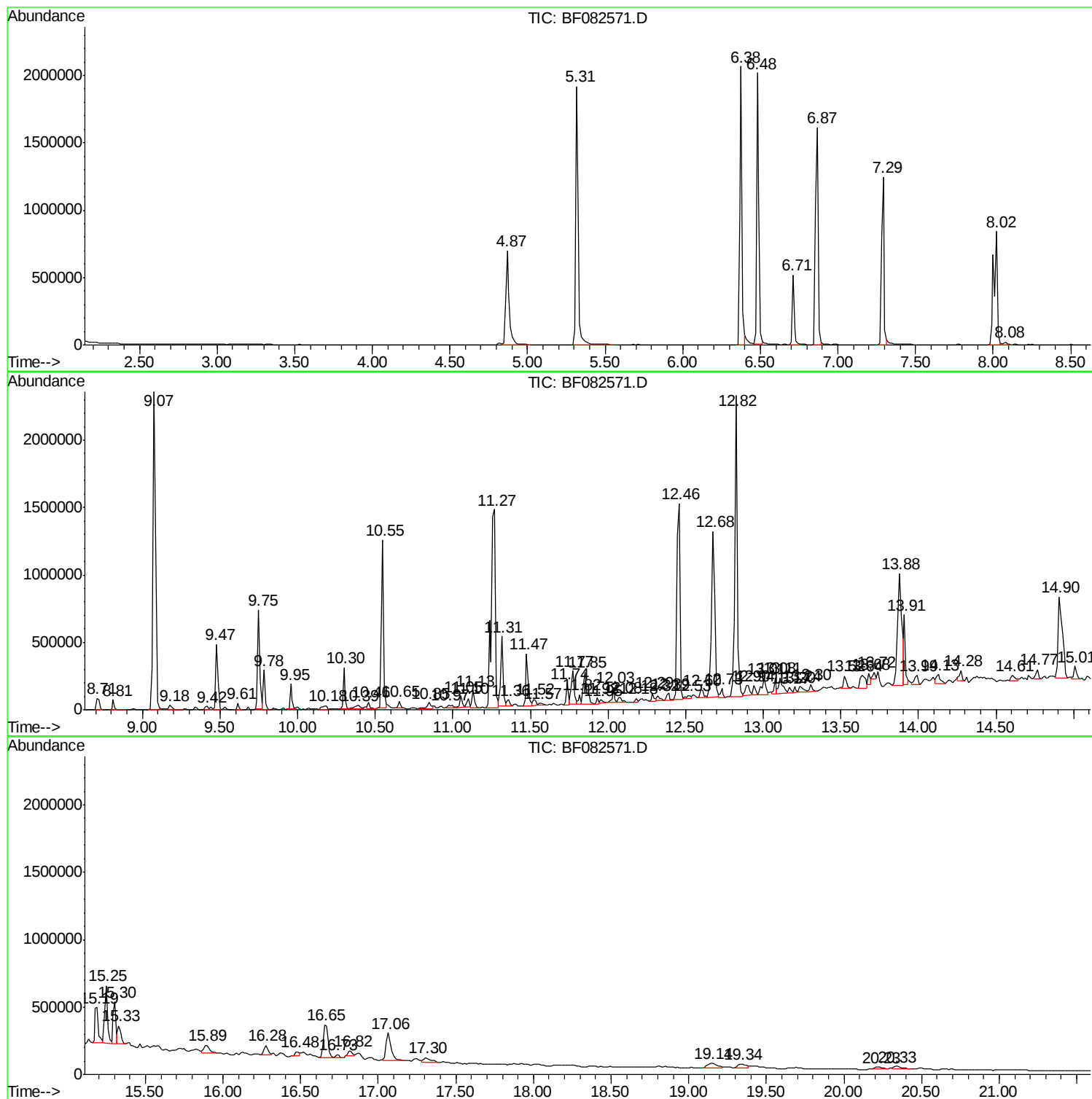
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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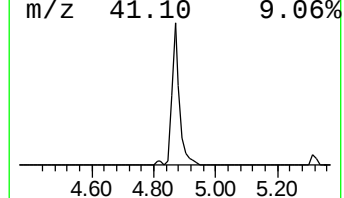
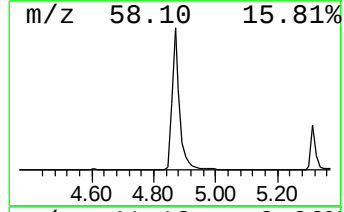
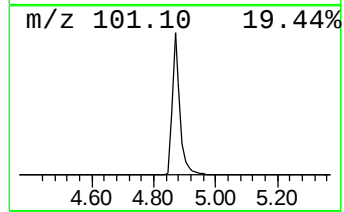
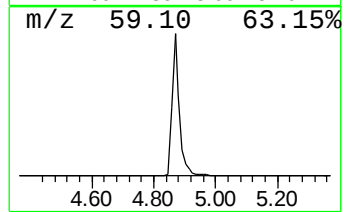
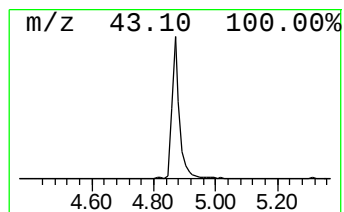
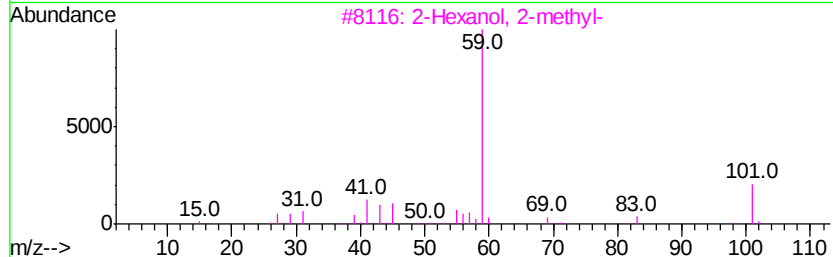
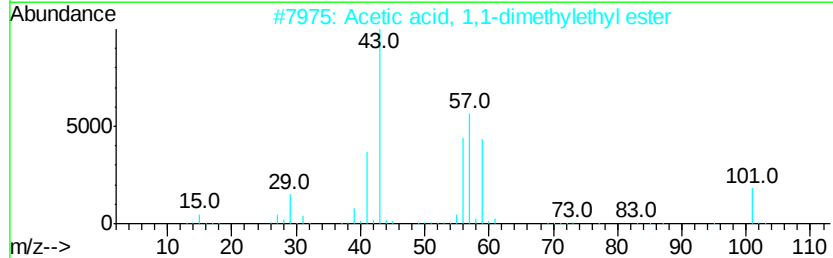
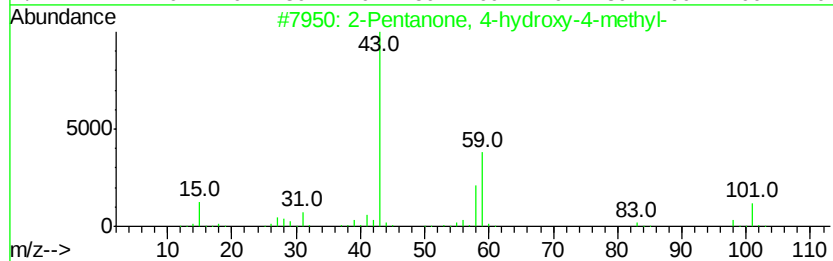
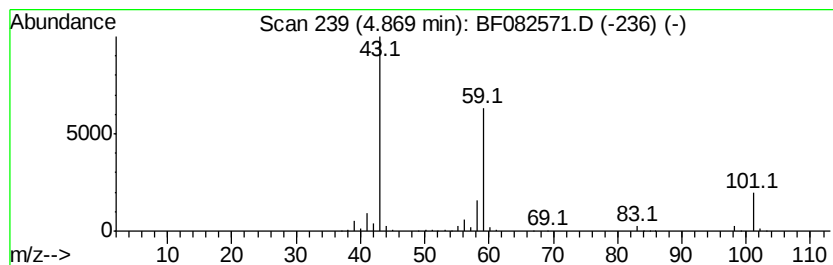
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	49.13 ng	1155350	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28



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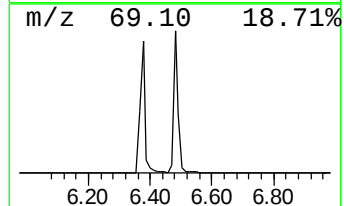
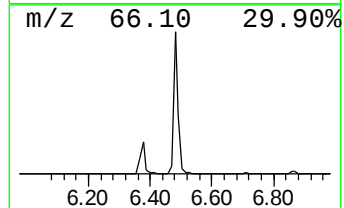
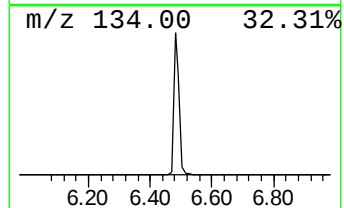
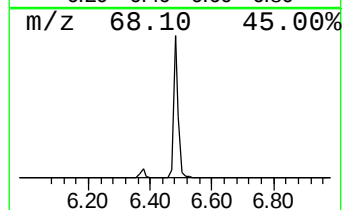
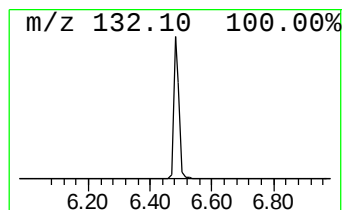
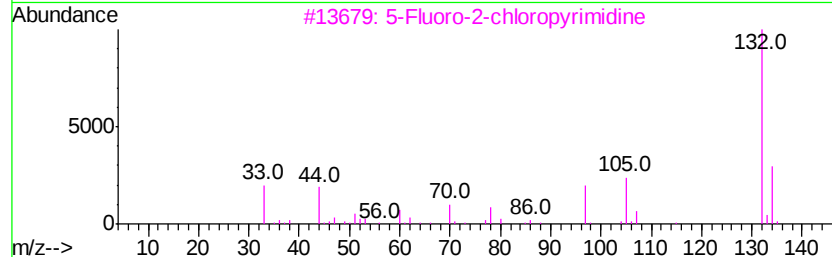
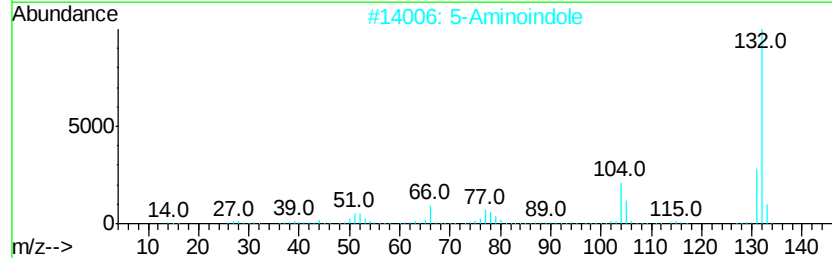
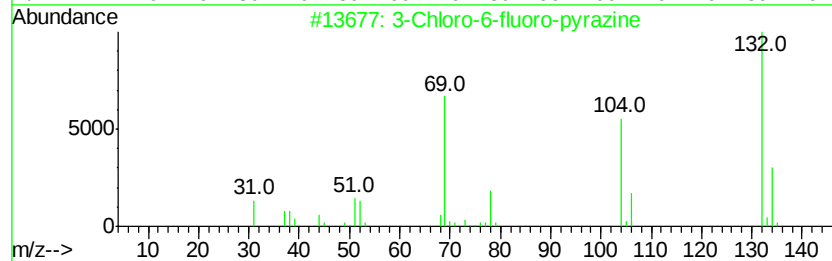
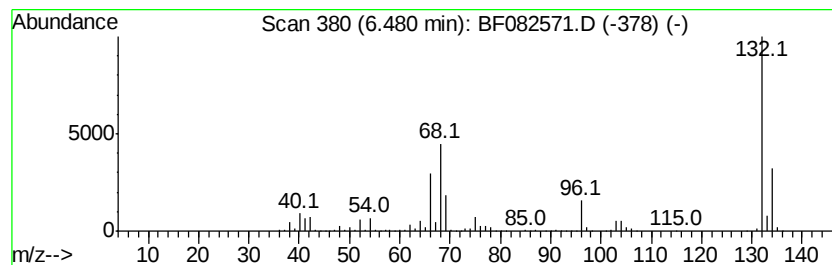
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	95.66 ng	2249520	1,4-Dichlorobenzene-d4	6.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5			Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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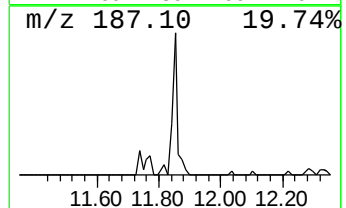
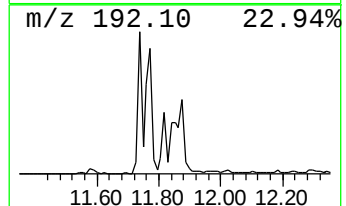
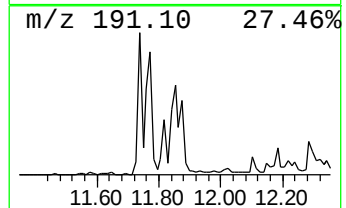
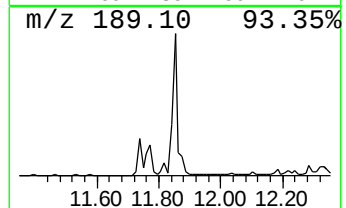
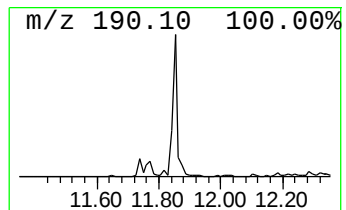
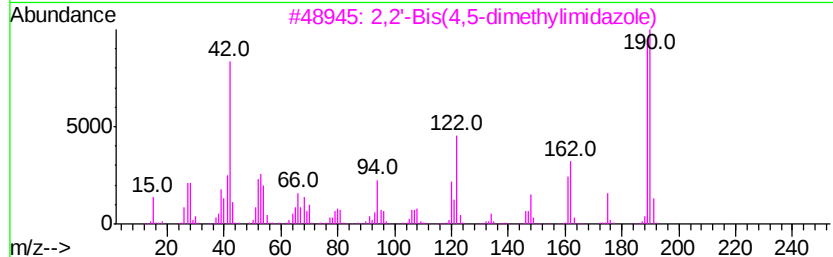
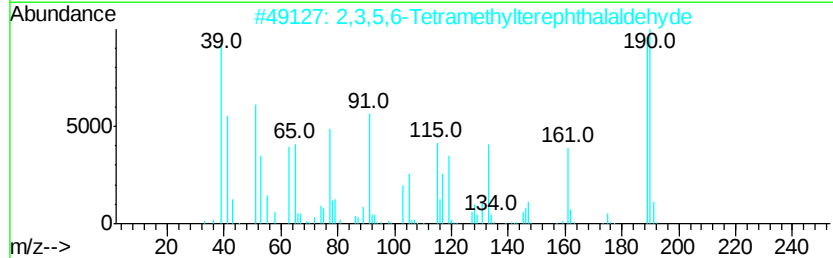
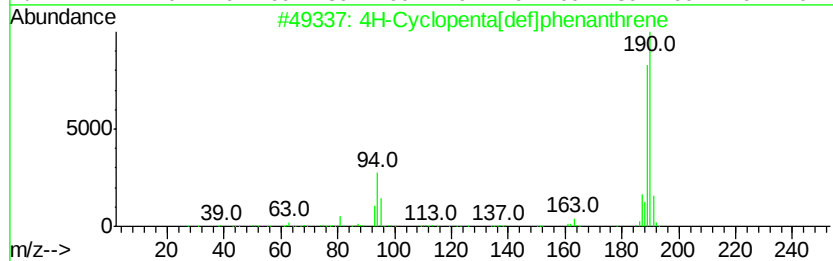
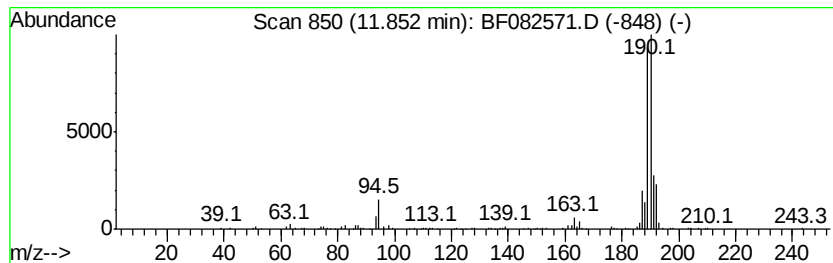
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.85	2.66 ng	368315	Phenanthrene-d10	11.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5		Methyl diselenide	190	C2H6Se2	007101-31-7	27



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S4-BOILERROOM2.5FTDEEP

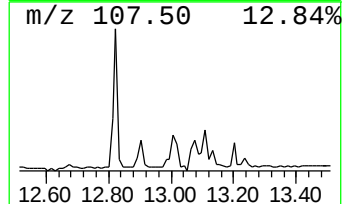
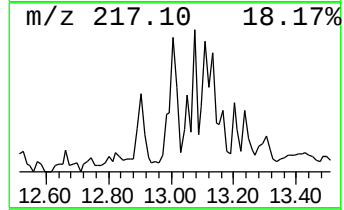
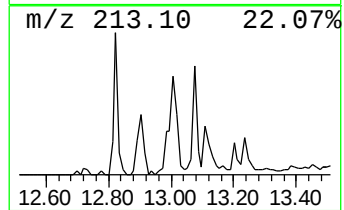
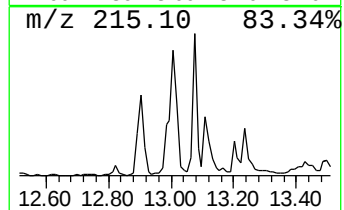
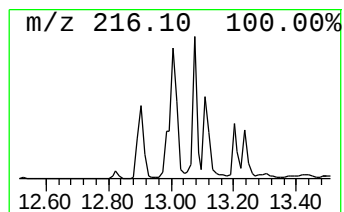
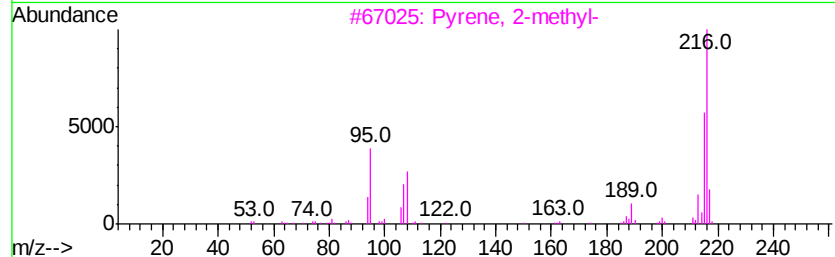
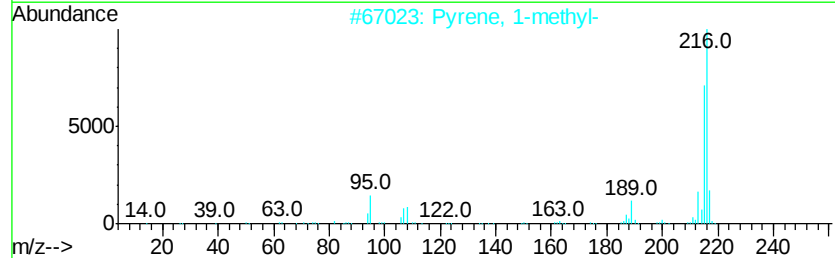
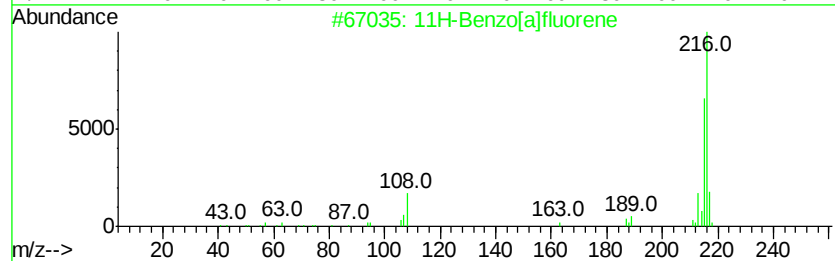
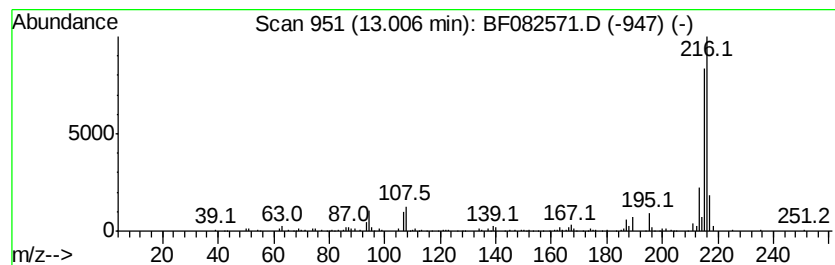
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	2.80 ng	216946	Chrysene-d12	13.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

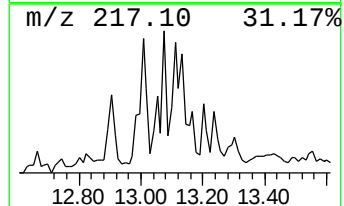
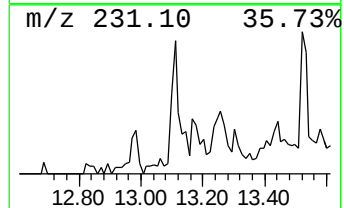
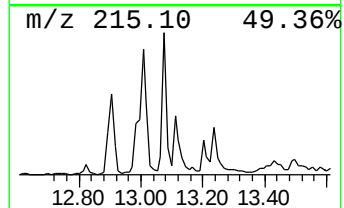
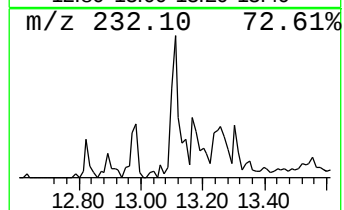
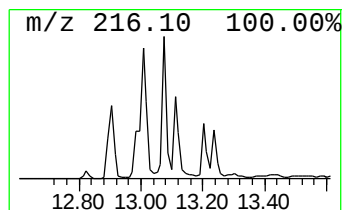
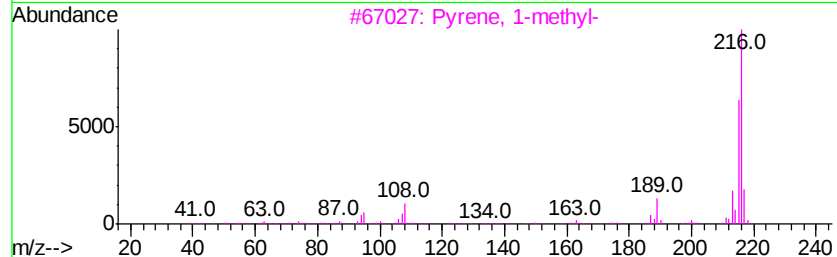
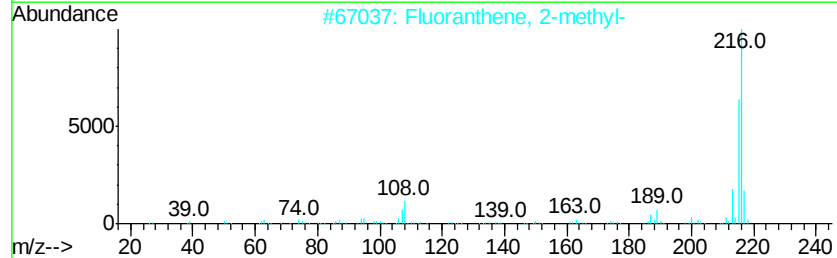
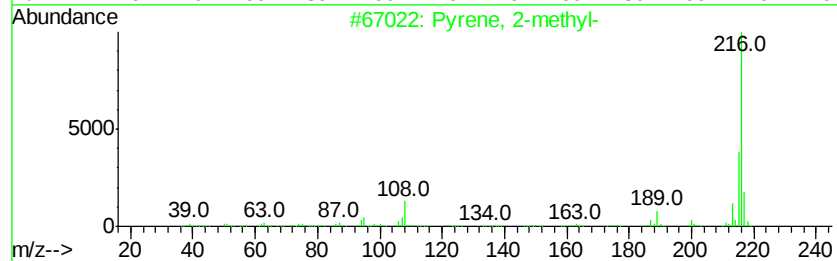
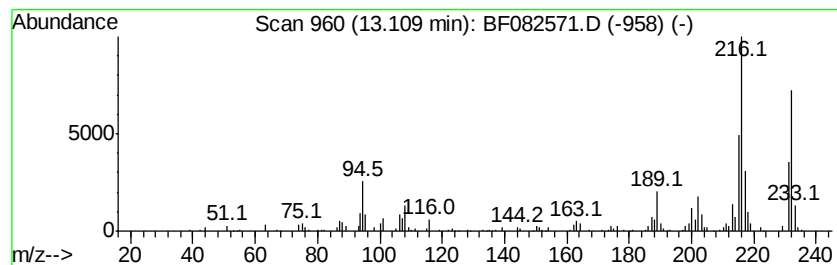
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	2.63 ng	203594	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	55
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
5		Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S4-BOILERROOM2.5FTDEEP

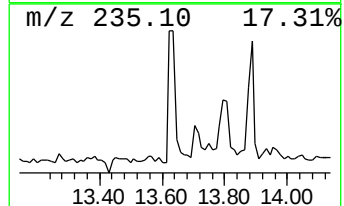
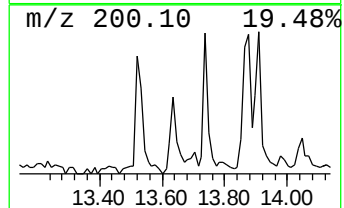
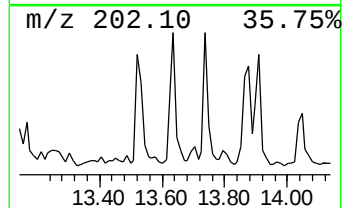
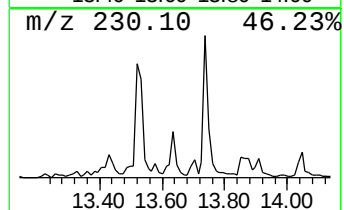
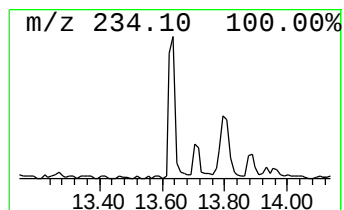
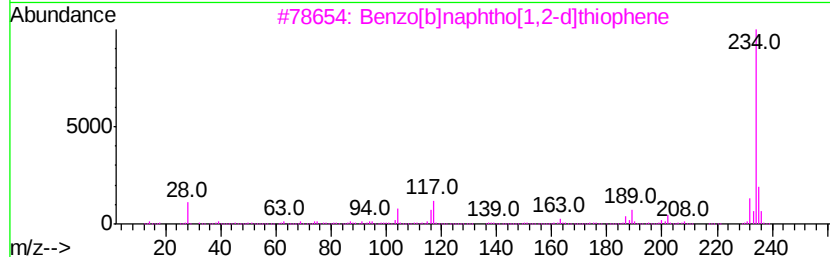
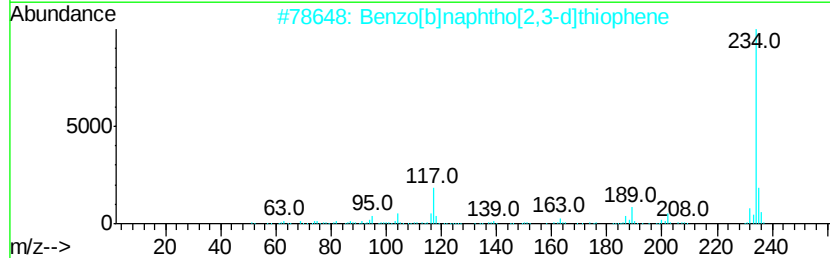
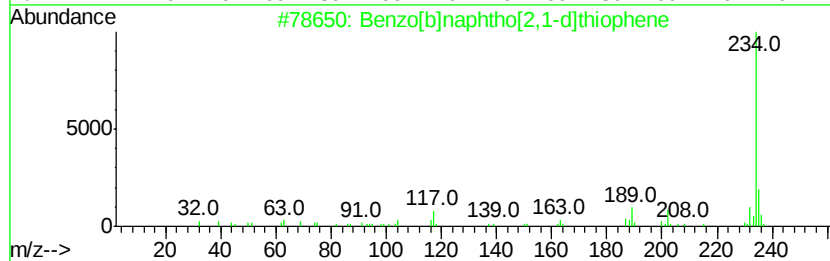
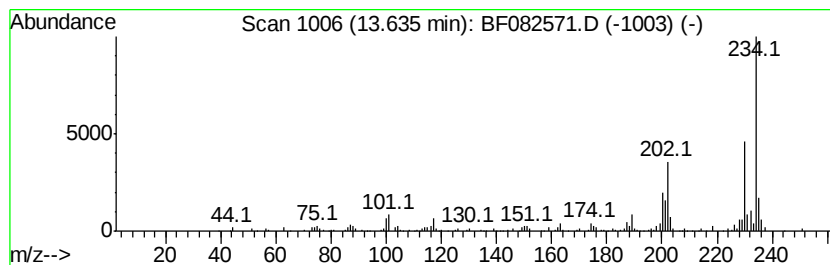
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	3.21 ng	248294	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	60
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	60
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	43
4		Benzo[b]1,4-dioxan-2-ol, 2-(2-th...	234	C12H10O3S	312614-85-0	38
5		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S4-BOILERROOM2.5FTDEEP

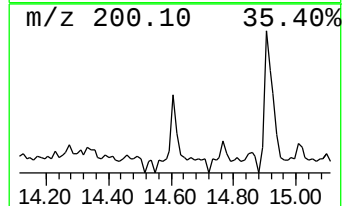
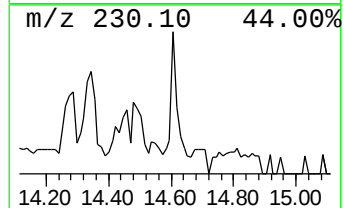
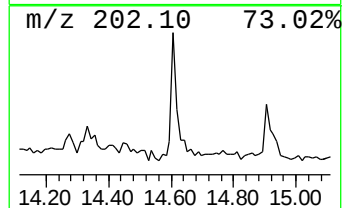
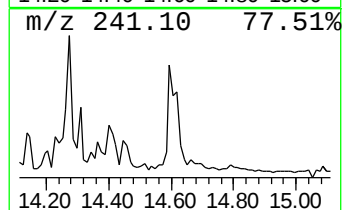
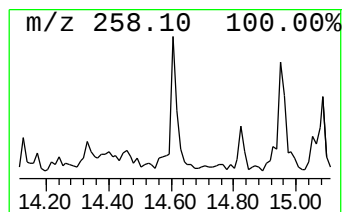
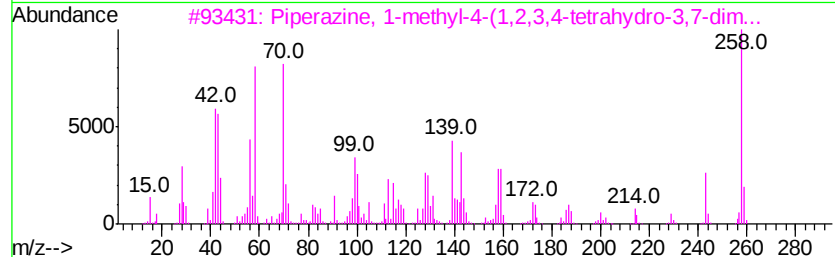
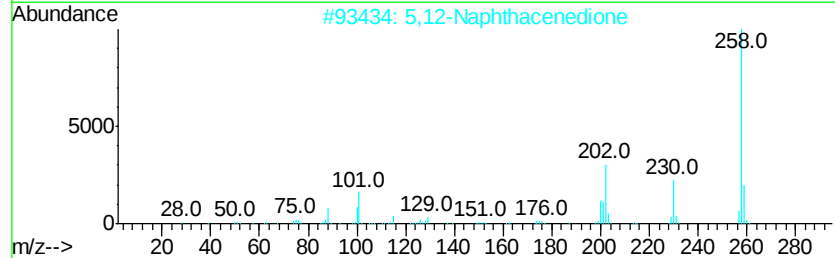
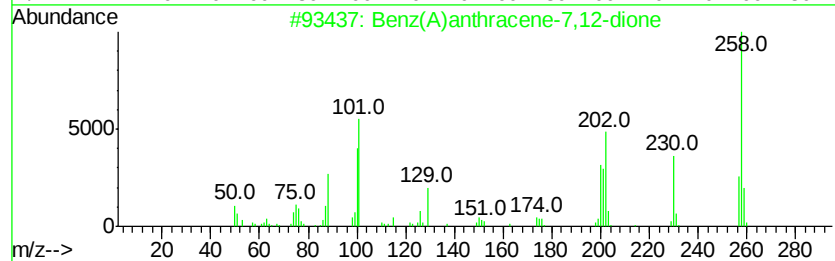
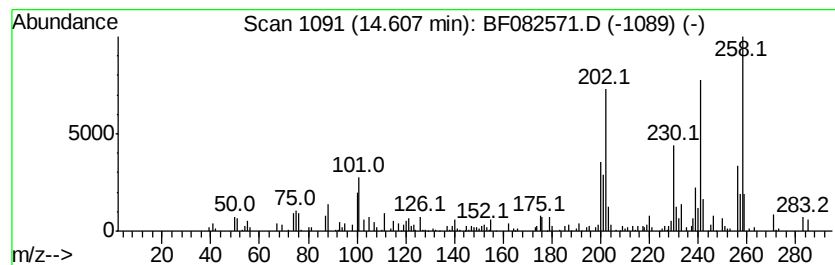
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benz(A)anthracene-7,12-dione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	3.96 ng	80401	Perylene-d12	15.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	87
3		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
4		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	46
5		1,4-Chrysenequinone	258	C18H10O2	100900-16-1	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
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Instrument :
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ClientSampleId :
S4-BOILERROOM2.5FTDEEP

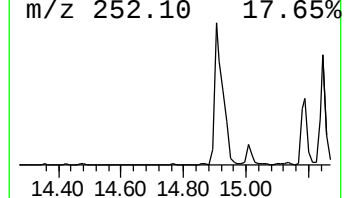
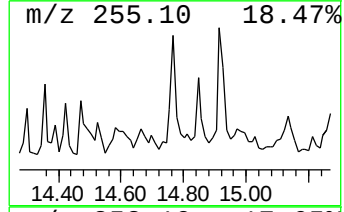
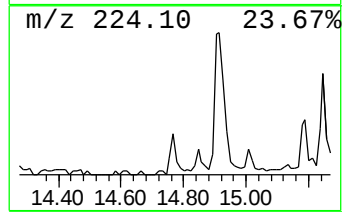
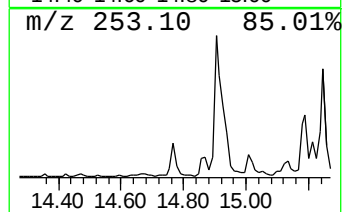
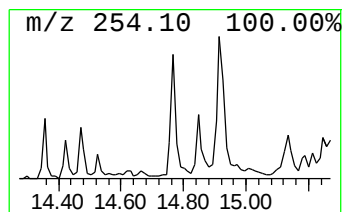
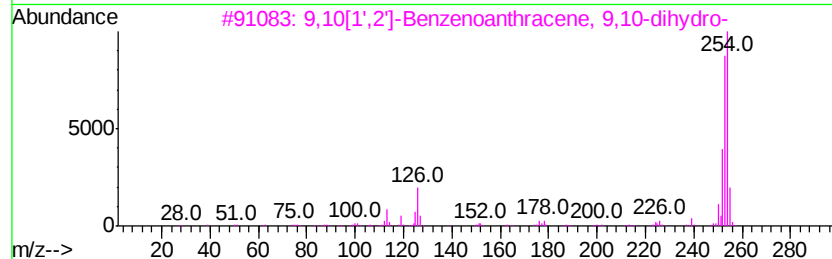
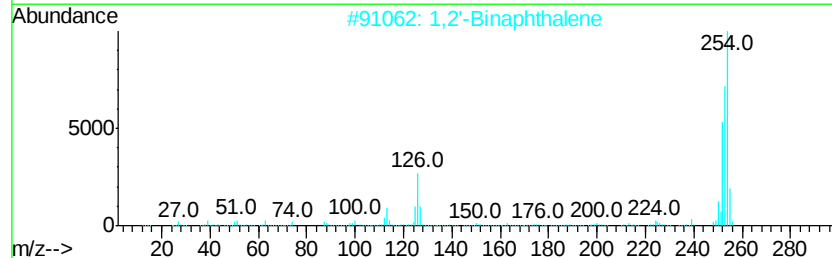
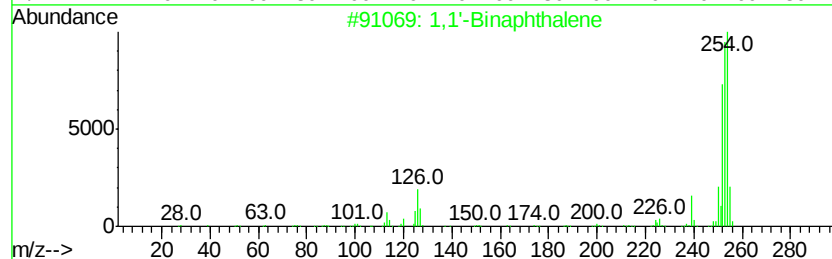
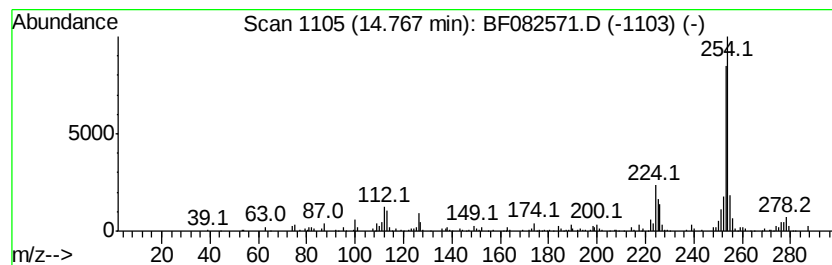
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,1'-Binaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.94 ng	79904	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2		1,2'-Binaphthalene	254	C20H14	004325-74-0	72
3		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
4		Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	58
5		Benzofuran-6-ol-3-one, 2-[4-hydr...	254	C15H10O4	1000128-64-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
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ALS Vial : 20 Sample Multiplier: 1

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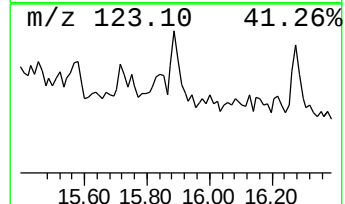
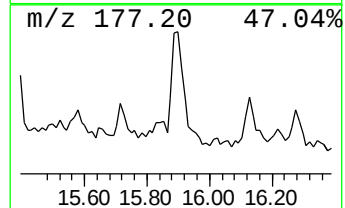
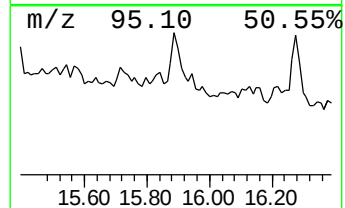
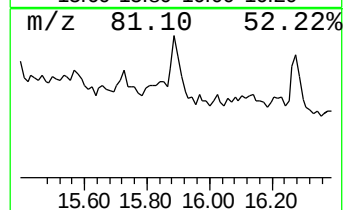
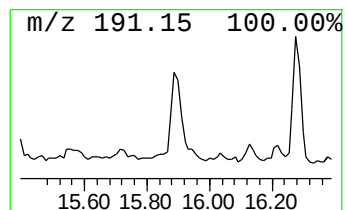
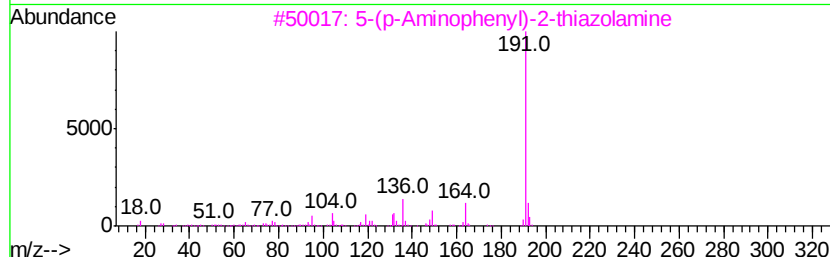
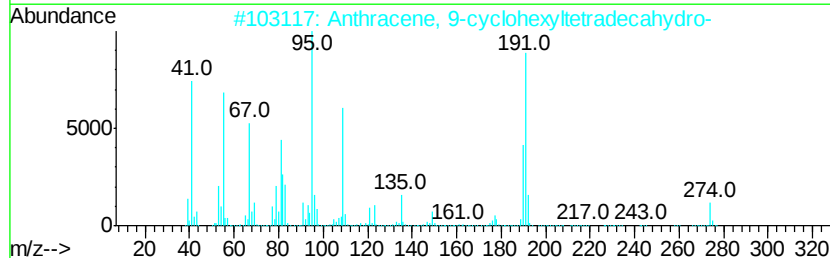
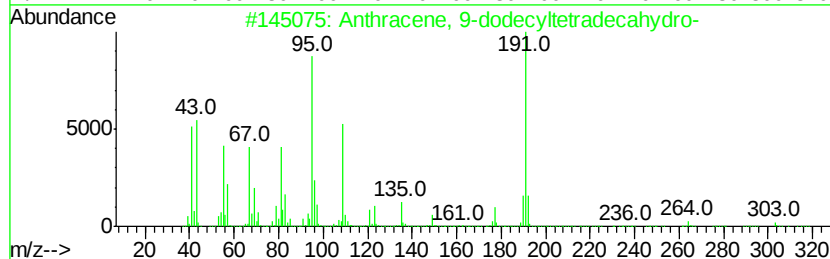
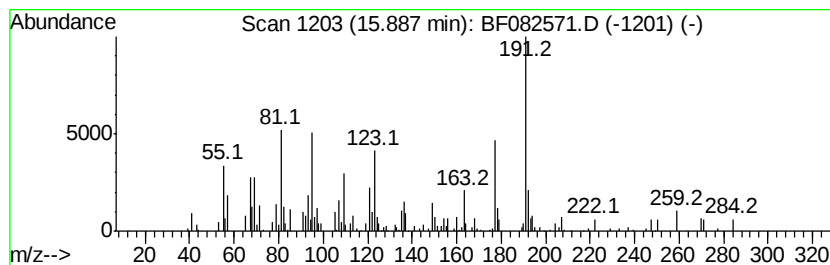
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown15.89 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	7.35 ng	149160	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	37
2		Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	27
3		5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	22
4		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	16
5		2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	16



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
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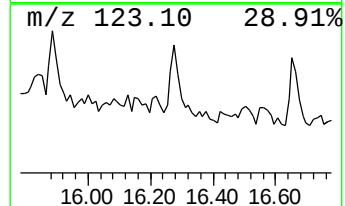
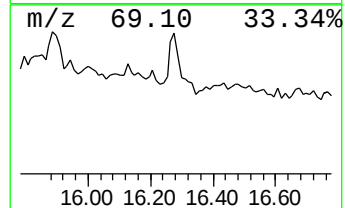
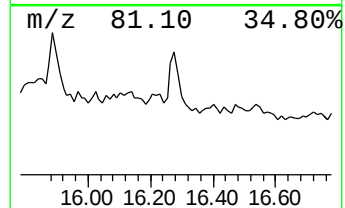
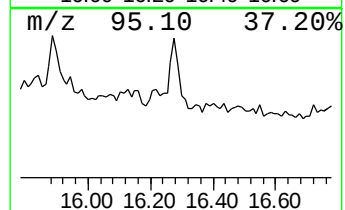
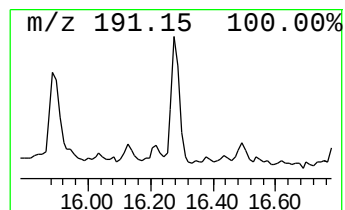
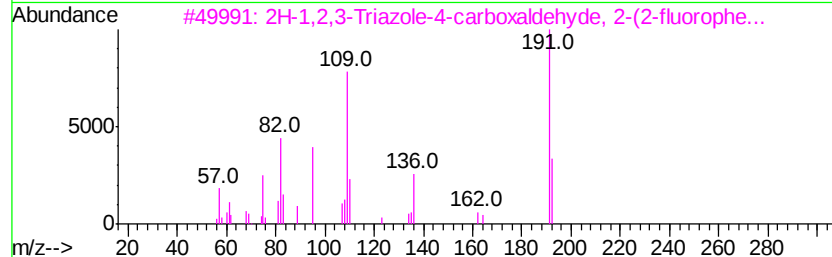
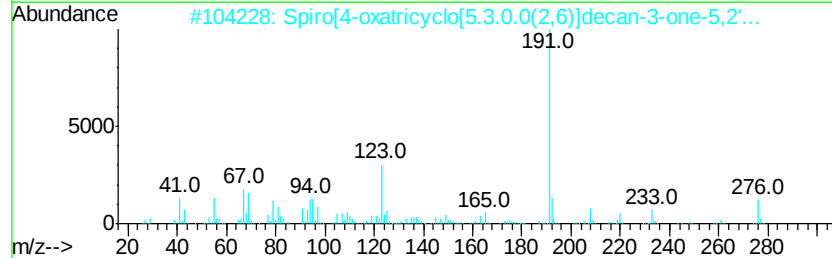
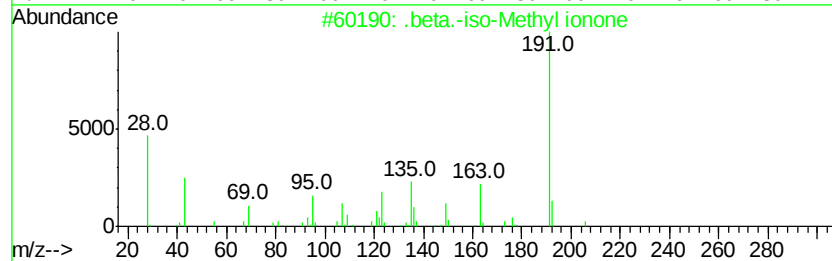
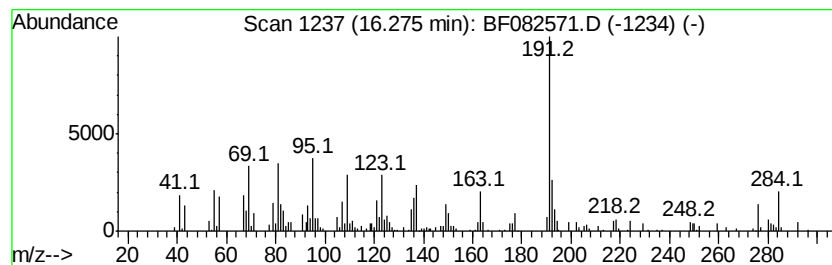
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 .beta.-iso-Methyl ionone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.28	5.61 ng	113841	Perylene-d12	15.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	60
2	Spiro[4-oxatricyclo[5.3.0.0(2,6)...	276	C18H28O2	1000156-82-9	43
3	2H-1,2,3-Triazole-4-carboxaldehv...	191	C9H6FN3O	051306-43-5	37
4	Anthracene, 9-dodecyltetradecahv...	360	C26H48	055401-75-7	37
5	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

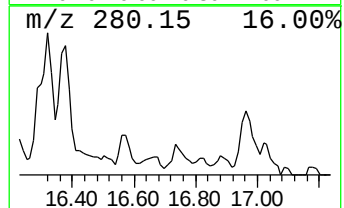
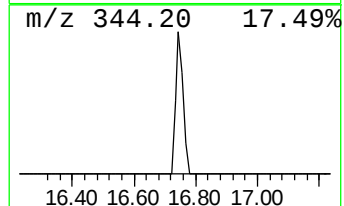
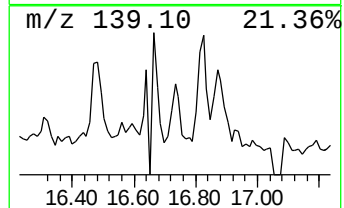
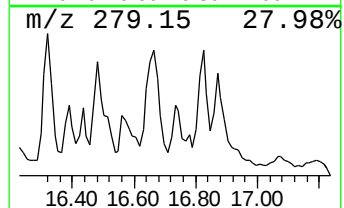
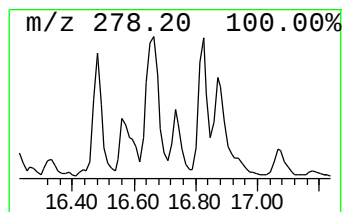
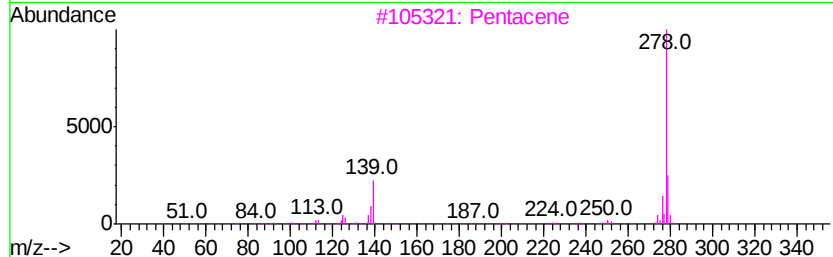
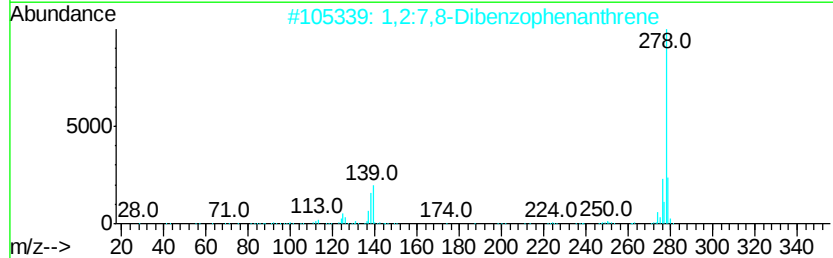
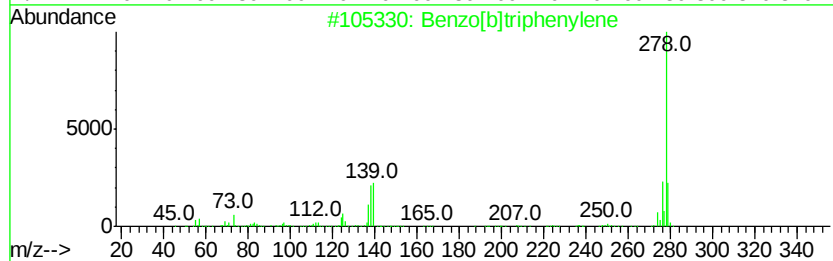
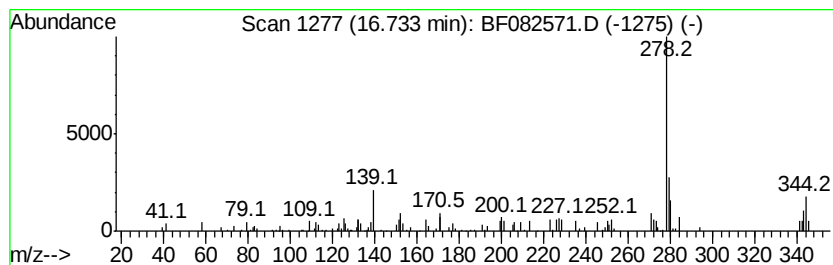
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.38 ng	48192	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	62
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	58
3		Pentacene	278	C22H14	000135-48-8	58
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58
5		p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

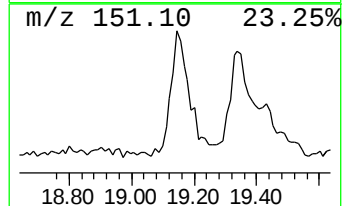
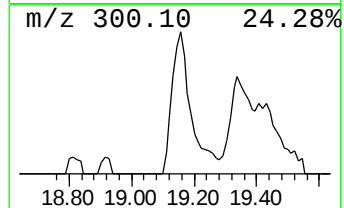
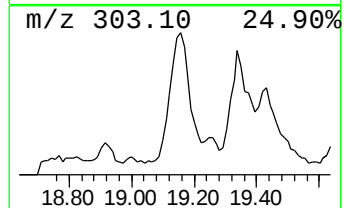
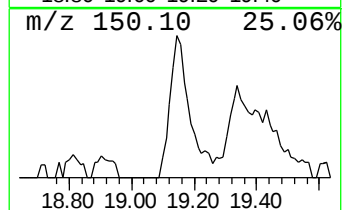
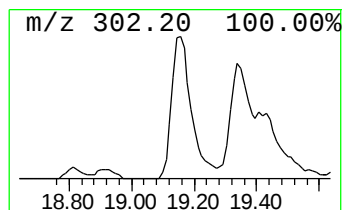
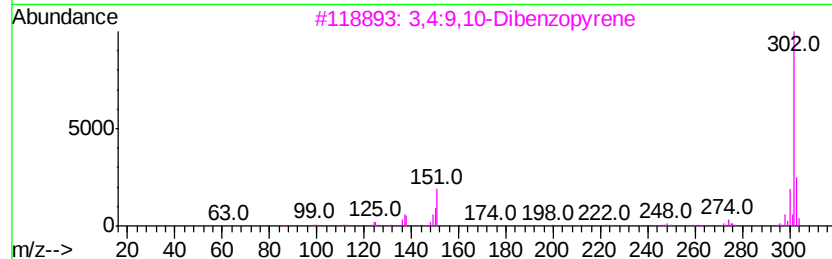
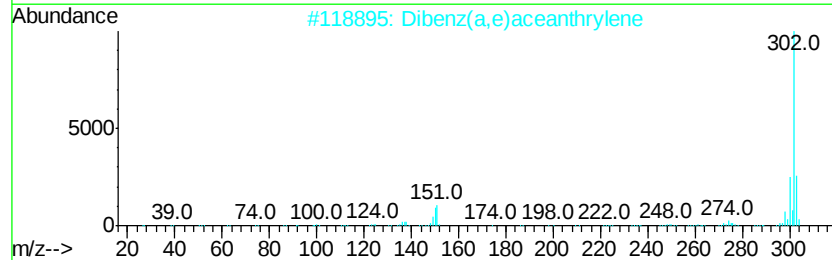
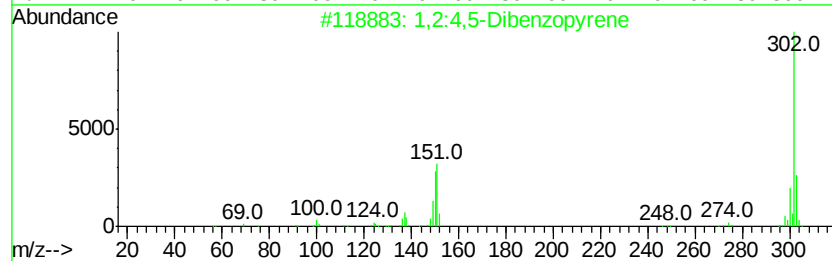
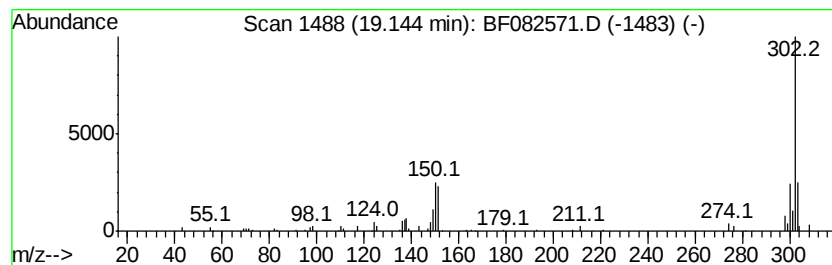
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 1,2:4,5-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	7.44 ng	150963	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	94
3		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	81
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

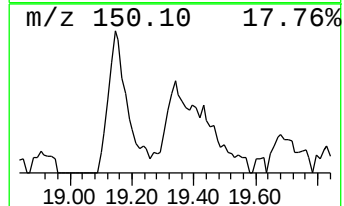
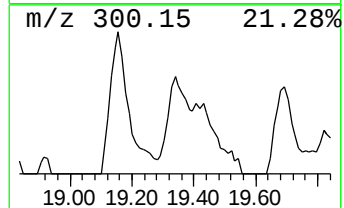
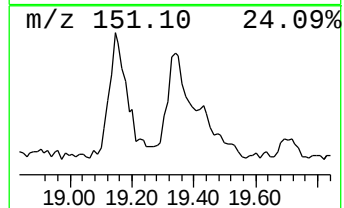
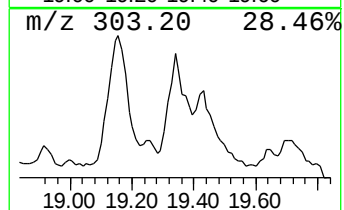
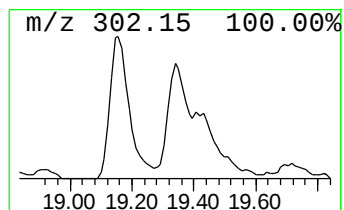
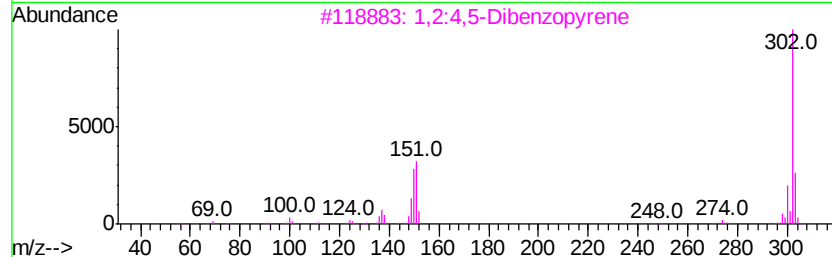
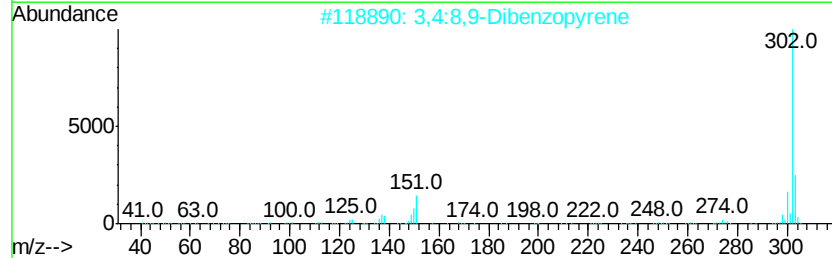
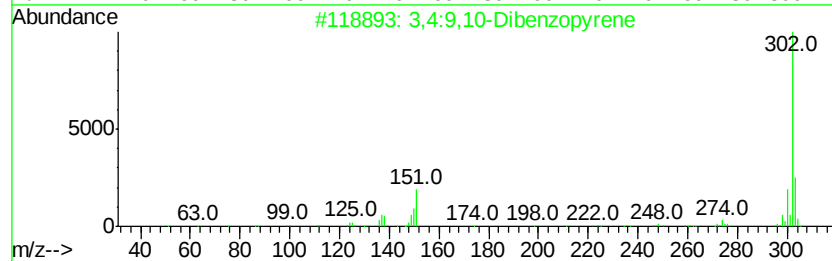
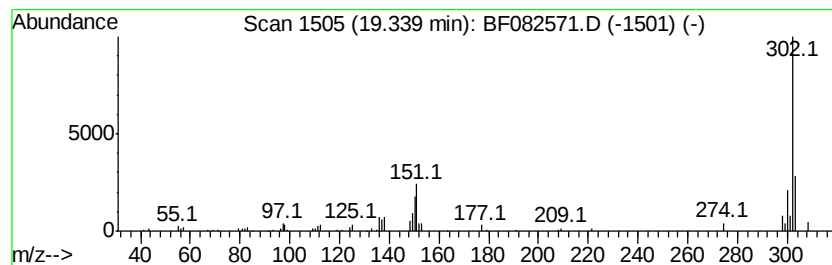
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	5.35 ng	108554	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	87
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	81
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

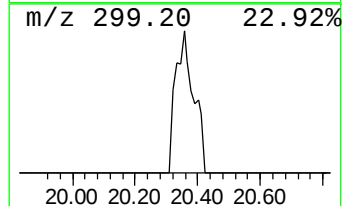
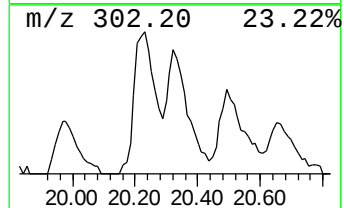
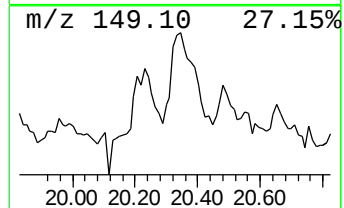
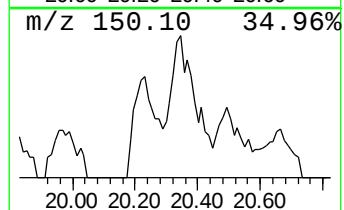
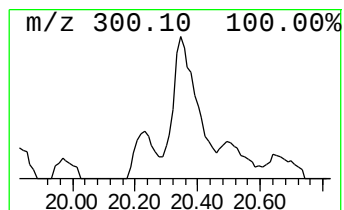
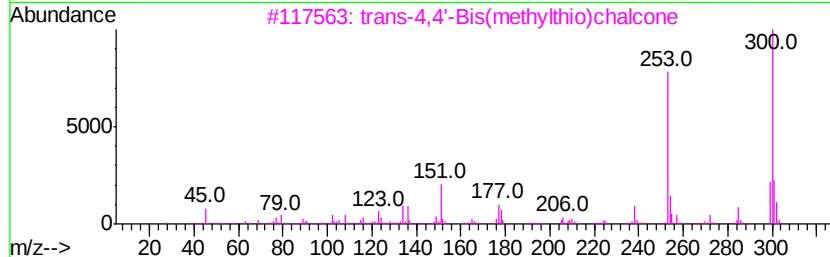
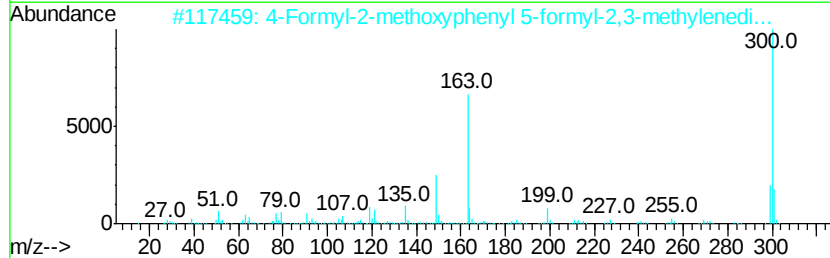
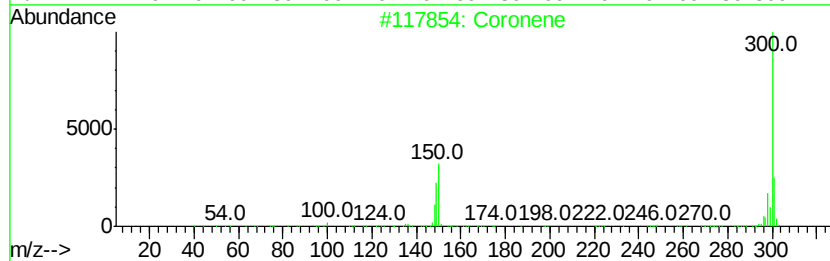
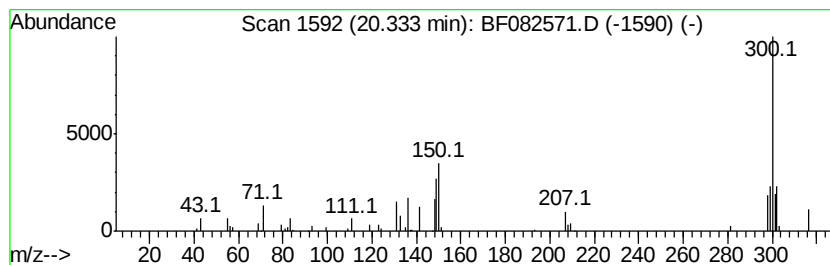
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Coronene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	3.64 ng	73798	Perylene-d12	15.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Coronene	300	C24H12	000191-07-1	53
2			4-Formyl-2-methoxyphenyl 5-formy...	300	C16H12O6	1000242-81-0	50
3			trans-4,4'-Bis(methylthio)chalcone	300	C17H16OS2	033868-48-3	43
4			Benzophenone (2-troponyl)hydrazone	300	C20H16N2O	1000241-54-0	43
5			Ethanone, 1-phenyl-, (2,4-dinitr...	300	C14H12N4O4	001677-87-8	32



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Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.87	49.1 ng		1155350	1	6.71	470301	20.0
unknown6.48	6.48	95.7 ng		2249520	1	6.71	470301	20.0
4H-Cyclopenta[def...	11.85	2.7 ng		368315	4	11.23	2773480	20.0
11H-Benzo[a]fluorene	13.01	2.8 ng		216946	5	13.88	1548130	20.0
Pyrene, 2-methyl-	13.11	2.6 ng		203594	5	13.88	1548130	20.0
Benzo[b]naphtho[2...	13.64	3.2 ng		248294	5	13.88	1548130	20.0
Benz(A)anthracene...	14.61	4.0 ng		80401	6	15.30	405643	20.0
1,1'-Binaphthalene	14.77	3.9 ng		79904	6	15.30	405643	20.0
unknown15.89	15.89	7.3 ng		149160	6	15.30	405643	20.0
.beta.-iso-Methyl...	16.28	5.6 ng		113841	6	15.30	405643	20.0
Benzo[b]triphenylene	16.73	2.4 ng		48192	6	15.30	405643	20.0
1,2:4,5-Dibenzopy...	19.14	7.4 ng		150963	6	15.30	405643	20.0
3,4:9,10-Dibenzop...	19.34	5.3 ng		108554	6	15.30	405643	20.0
Coronene	20.33	3.6 ng		73798	6	15.30	405643	20.0