

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082159.D
 Acq On : 9 Oct 2015 22:15
 Operator : UM/IZ
 Sample : G3921-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-COMP(1-8)

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:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.040	251	254	264	rVB	678180	1019765	10.44%	0.896%
2	5.451	288	290	293	rBV	1725727	1809810	18.52%	1.589%
3	6.492	378	381	383	rBV	1577501	1981745	20.28%	1.740%
4	6.617	390	392	395	rBV	2044839	1950692	19.96%	1.713%
5	6.846	410	412	415	rBV	572183	583121	5.97%	0.512%
6	7.006	424	426	428	rBV	1768731	1596469	16.34%	1.402%
7	7.417	460	462	467	rBV	1076786	1130475	11.57%	0.993%
8	8.160	518	527	529	rBV2	1533297	2166579	22.17%	1.903%
9	8.857	586	588	590	rVV	679036	831979	8.51%	0.731%
10	8.949	594	596	598	rVV	836947	776294	7.94%	0.682%
11	9.212	617	619	622	rVV	1324884	1715586	17.56%	1.507%
12	9.315	627	628	631	rVV	349856	361105	3.70%	0.317%
13	9.406	634	636	640	rVB	165918	258550	2.65%	0.227%
14	9.486	640	643	645	rBV	379647	606390	6.21%	0.533%
15	9.555	647	649	650	rVV	715013	744117	7.61%	0.654%
16	9.578	650	651	653	rVV	452401	491042	5.02%	0.431%
17	9.612	653	654	656	rVV	499873	420323	4.30%	0.369%
18	9.669	656	659	664	rVB	372474	484203	4.95%	0.425%
19	9.749	664	666	668	rBV2	202886	248357	2.54%	0.218%
20	9.898	675	679	680	rBV2	781849	1009435	10.33%	0.887%
21	9.932	680	682	684	rVV	2508620	2317653	23.72%	2.035%
22	10.000	686	688	690	rVB	152420	218574	2.24%	0.192%
23	10.046	690	692	694	rBV2	184592	297963	3.05%	0.262%
24	10.103	694	697	699	rVV	1582375	1663802	17.03%	1.461%
25	10.138	699	700	704	rVB	287634	295953	3.03%	0.260%
26	10.206	704	706	708	rBV2	213970	314250	3.22%	0.276%
27	10.240	708	709	712	rVB	223669	226182	2.31%	0.199%
28	10.298	712	714	718	rBV2	245083	490380	5.02%	0.431%
29	10.446	724	727	730	rBV	2209509	2386066	24.42%	2.096%
30	10.503	730	732	733	rVV	215482	426841	4.37%	0.375%
31	10.526	733	734	737	rVV2	465541	707435	7.24%	0.621%
32	10.595	739	740	743	rVB	450259	554865	5.68%	0.487%
33	10.686	745	748	750	rVV	1489822	1707565	17.47%	1.500%
34	10.732	750	752	754	rVB2	175465	191804	1.96%	0.168%

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35	10.812	754	759	762	rVB2	374557	645597	6.61%	0.567%
36	10.881	762	765	766	rBV3	104524	186383	1.91%	0.164%
37	10.995	771	775	776	rVV2	448268	718167	7.35%	0.631%
38	11.018	776	777	779	rVV	280673	331057	3.39%	0.291%
39	11.075	780	782	783	rVB2	246841	236199	2.42%	0.207%
40	11.143	783	788	791	rBV2	284907	725630	7.43%	0.637%
41	11.189	791	792	794	rVB	142497	150775	1.54%	0.132%
42	11.235	794	796	798	rBV2	282868	437311	4.48%	0.384%
43	11.281	798	800	803	rVB	979465	1055643	10.80%	0.927%
44	11.429	807	813	815	rBV	4895849	9772178	100.00%	8.582%
45	11.475	815	817	822	rVV	3274119	3853644	39.43%	3.384%
46	11.623	826	830	833	rBV2	985880	1480088	15.15%	1.300%
47	11.681	833	835	837	rVV3	309529	372074	3.81%	0.327%
48	11.715	837	838	841	rVV2	177331	232987	2.38%	0.205%
49	11.886	850	853	854	rBV	1031057	1114375	11.40%	0.979%
50	11.921	854	856	858	rVV	1648721	1687108	17.26%	1.482%
51	11.966	858	860	861	rVV	823564	781889	8.00%	0.687%
52	12.001	861	863	867	rVB2	1630282	2753912	28.18%	2.419%
53	12.069	867	869	872	rBV4	137814	268049	2.74%	0.235%
54	12.184	877	879	880	rVV	830546	770987	7.89%	0.677%
55	12.218	880	882	884	rVV	177261	228915	2.34%	0.201%
56	12.332	889	892	893	rBV	243316	274330	2.81%	0.241%
57	12.366	893	895	899	rVB2	188883	399705	4.09%	0.351%
58	12.435	899	901	903	rBV	635601	886547	9.07%	0.779%
59	12.469	903	904	908	rVV3	339484	566319	5.80%	0.497%
60	12.538	908	910	913	rVB2	224202	299994	3.07%	0.263%
61	12.618	913	917	920	rBV	4297157	8096935	82.86%	7.111%
62	12.664	920	921	923	rVV	162259	187454	1.92%	0.165%
63	12.755	926	929	931	rBV	439176	539764	5.52%	0.474%
64	12.846	934	937	939	rVV2	3814743	8272074	84.65%	7.265%
65	12.881	939	940	943	rVB2	464655	477795	4.89%	0.420%
66	12.972	944	948	952	rBV3	1281971	2224389	22.76%	1.954%
67	13.052	952	955	957	rBV2	527057	898093	9.19%	0.789%
68	13.166	960	965	966	rVV	1121390	1789889	18.32%	1.572%
69	13.201	966	968	969	rVV2	99295	166033	1.70%	0.146%
70	13.224	969	970	972	rVV	899635	1223291	12.52%	1.074%
71	13.269	972	974	977	rVV2	605018	1139799	11.66%	1.001%

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72	13.361	980	982	983	rVV	251489	336612	3.44%	0.296%
73	13.384	983	984	988	rVB2	359773	513596	5.26%	0.451%
74	13.555	996	999	1000	rBV3	159822	335653	3.43%	0.295%
75	13.647	1005	1007	1008	rBV3	180904	300961	3.08%	0.264%
76	13.784	1016	1019	1020	rBV	381213	621211	6.36%	0.546%
77	13.807	1020	1021	1022	rVV	523885	425365	4.35%	0.374%
78	13.829	1022	1023	1025	rVV2	301540	396269	4.06%	0.348%
79	13.944	1031	1033	1037	rBV	135462	297917	3.05%	0.262%
80	14.035	1037	1041	1042	rBV	2656577	4863104	49.76%	4.271%
81	14.069	1042	1044	1047	rVB	2598543	3097753	31.70%	2.721%
82	14.138	1049	1050	1052	rVV	556680	572680	5.86%	0.503%
83	14.264	1060	1061	1062	rVB	243413	166981	1.71%	0.147%
84	14.378	1070	1071	1072	rBV	203079	194324	1.99%	0.171%
85	14.412	1072	1074	1076	rVV	385645	622367	6.37%	0.547%
86	14.515	1079	1083	1084	rBV3	277996	443067	4.53%	0.389%
87	14.732	1099	1102	1106	rBV3	160987	429403	4.39%	0.377%
88	14.904	1116	1117	1121	rVB	134718	231136	2.37%	0.203%
89	15.075	1128	1132	1136	rBV	1580424	4013136	41.07%	3.524%
90	15.167	1139	1140	1143	rVB	321422	400453	4.10%	0.352%
91	15.361	1155	1157	1160	rVV	828422	1276639	13.06%	1.121%
92	15.430	1160	1163	1166	rVV	1343466	2176782	22.28%	1.912%
93	15.487	1166	1168	1169	rVV	306977	456319	4.67%	0.401%
94	15.521	1169	1171	1175	rVB	448344	697723	7.14%	0.613%
95	16.024	1213	1215	1217	rVB	99936	137799	1.41%	0.121%
96	16.915	1289	1293	1297	rVB	563328	1239000	12.68%	1.088%
97	17.075	1304	1307	1310	rBV	127492	337903	3.46%	0.297%
98	17.350	1327	1331	1339	rVB	471154	1172801	12.00%	1.030%
99	17.578	1348	1351	1357	rVB	178163	474531	4.86%	0.417%
100	19.521	1518	1521	1530	rVB	108293	402205	4.12%	0.353%

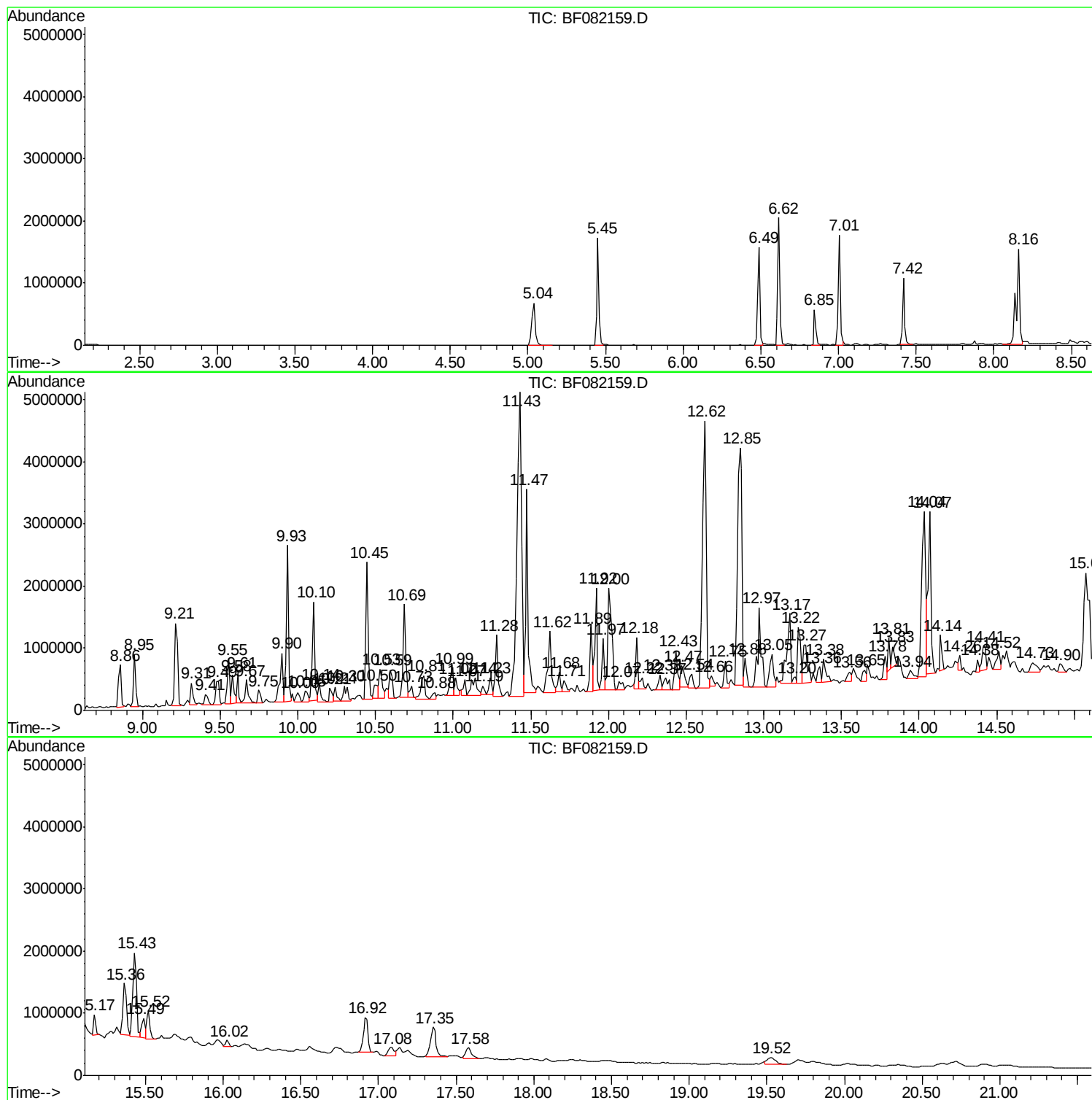
Sum of corrected areas: 113864439

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



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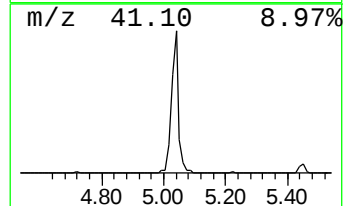
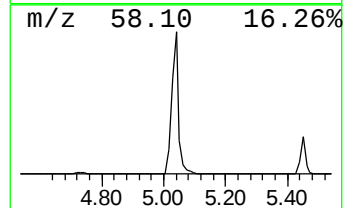
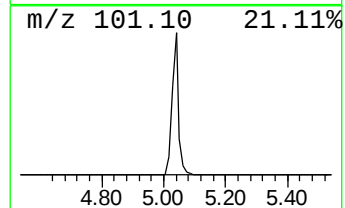
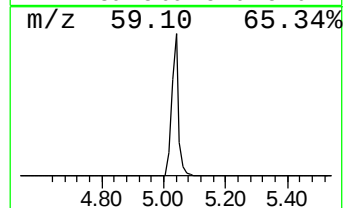
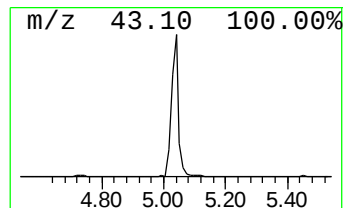
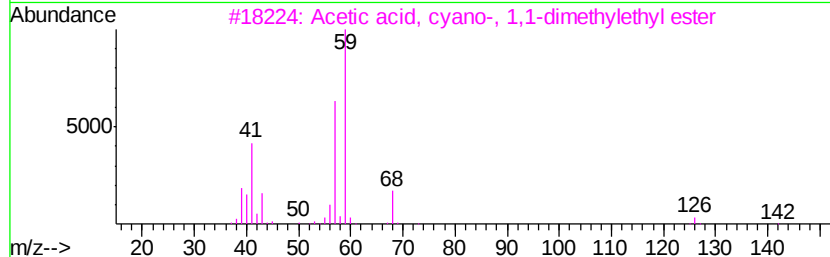
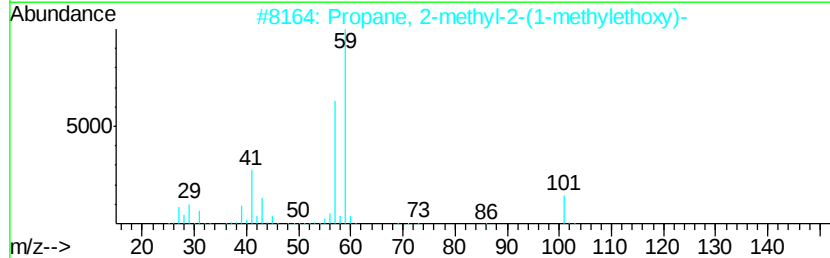
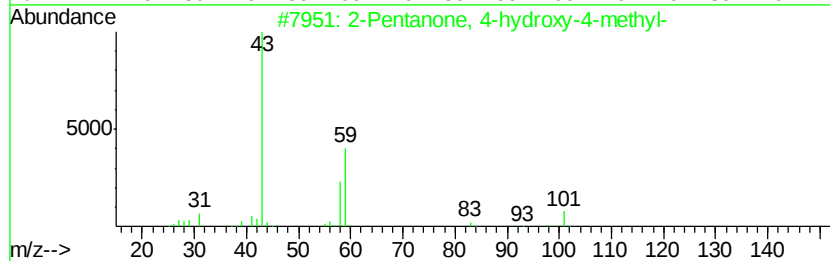
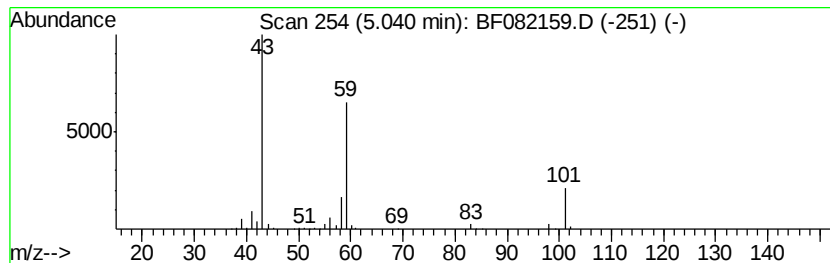
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	34.98 ng	1019770	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4		Guanidine	59	CH5N3	000113-00-8	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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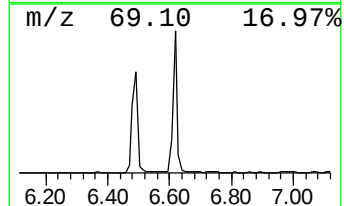
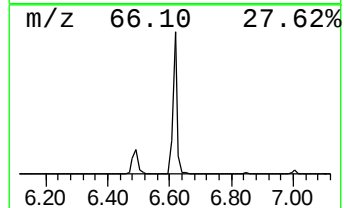
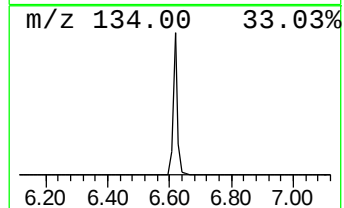
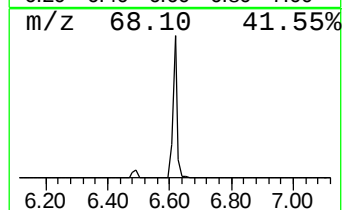
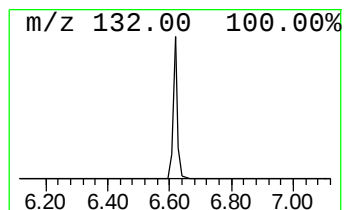
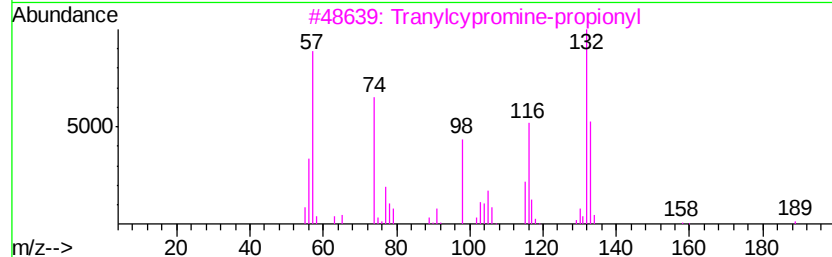
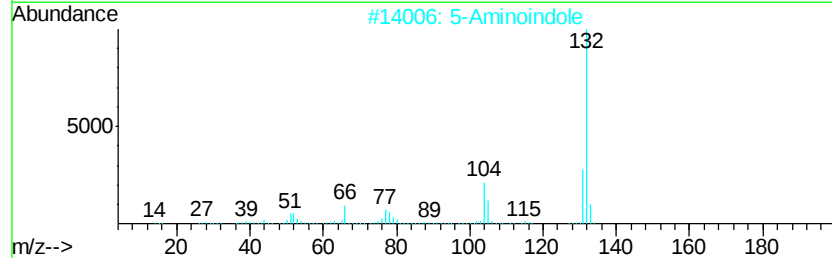
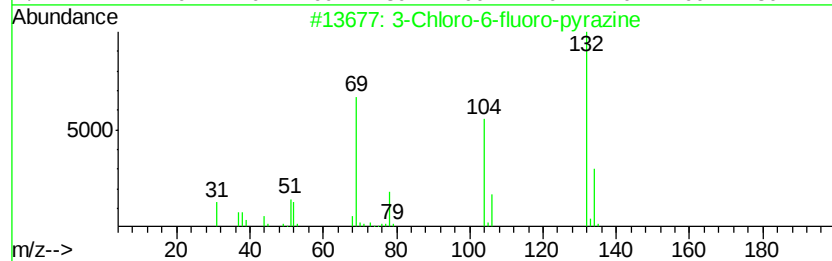
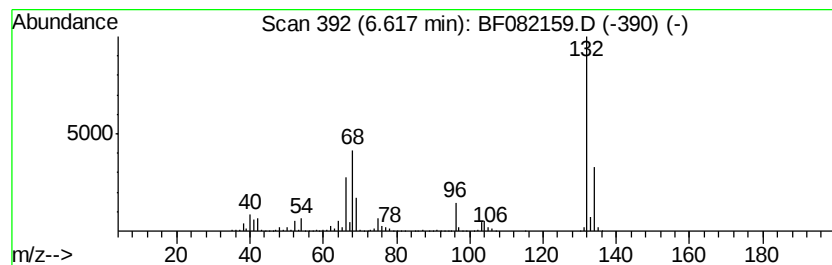
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	66.91 ng	1950690	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	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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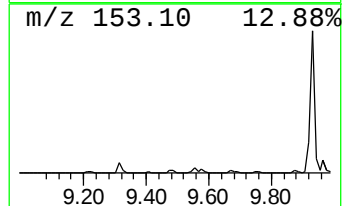
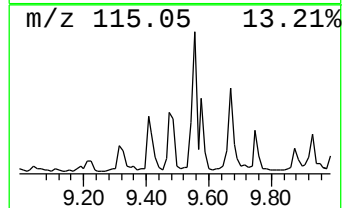
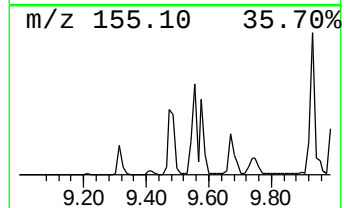
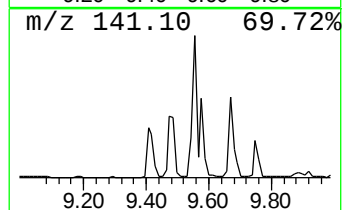
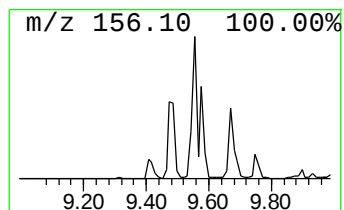
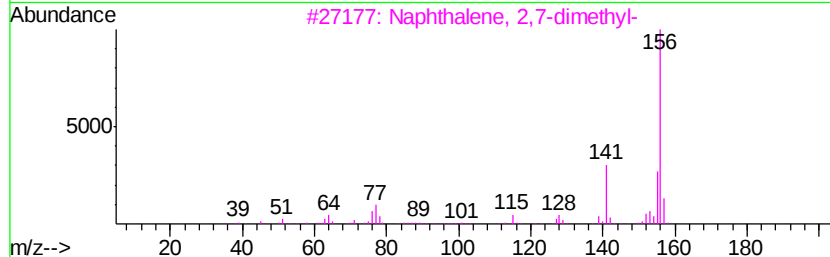
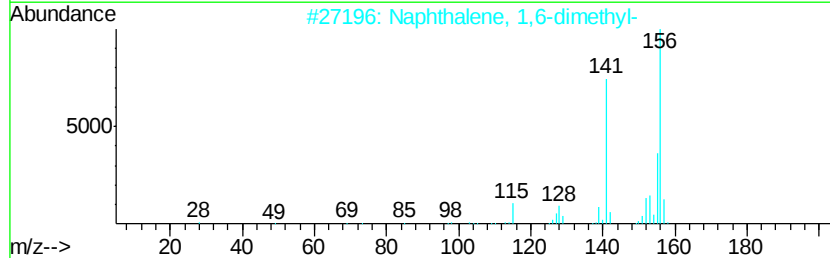
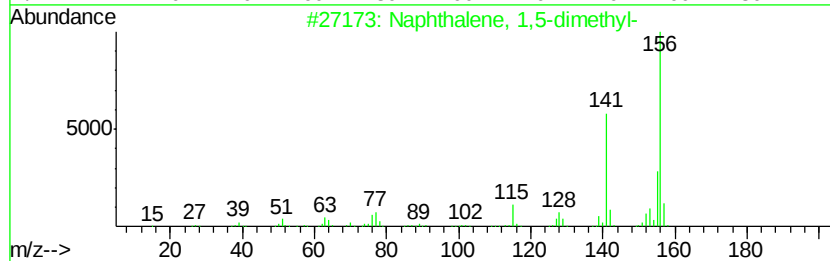
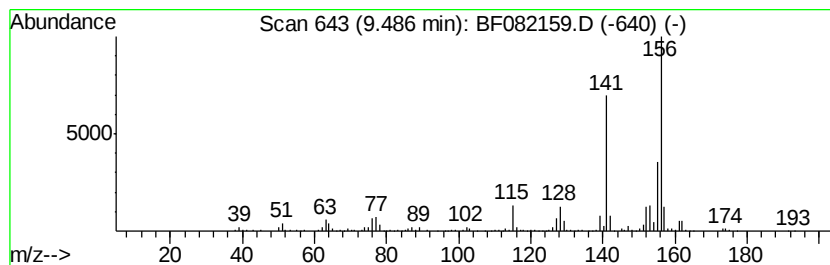
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.		
9.49	12.01 ng	606390	Acenaphthene-d10		9.90		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LS-COMP(1-8)

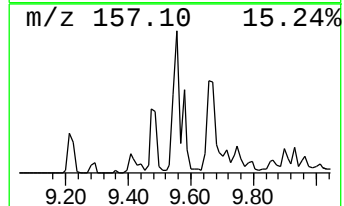
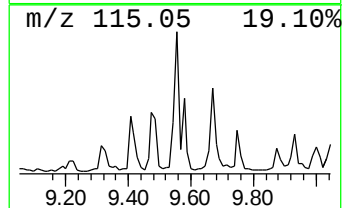
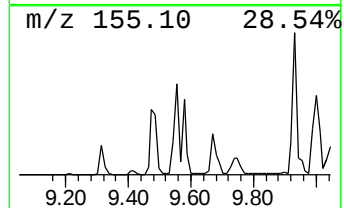
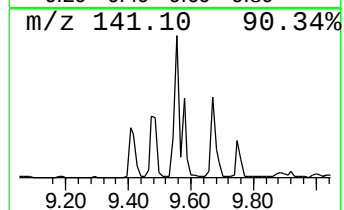
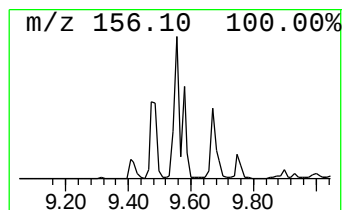
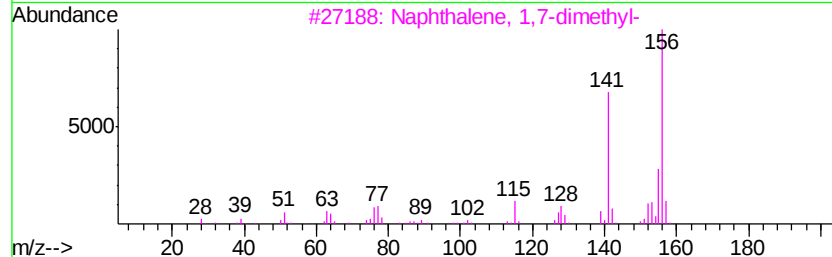
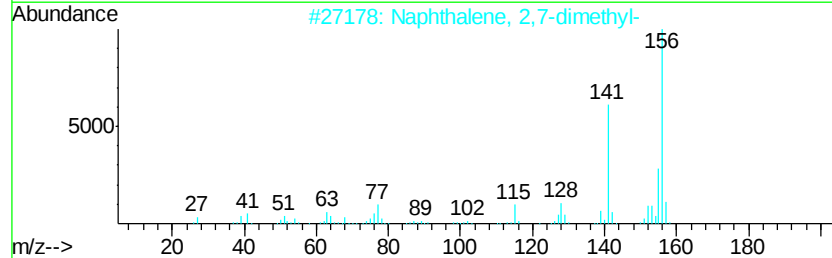
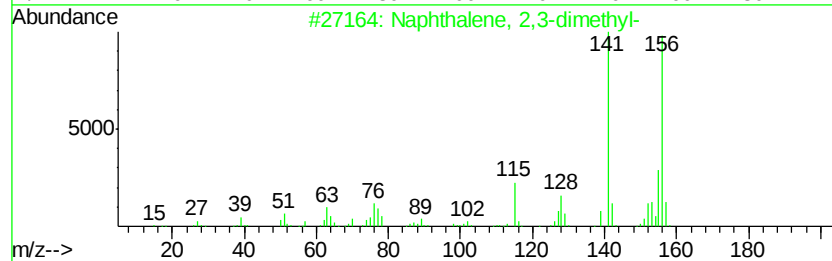
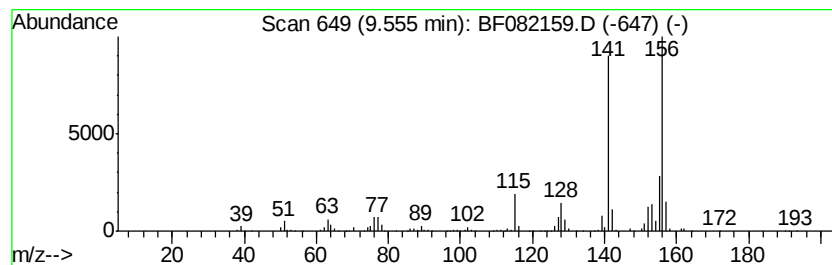
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	14.74 ng	744117	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

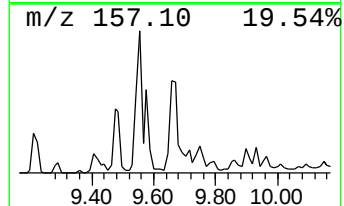
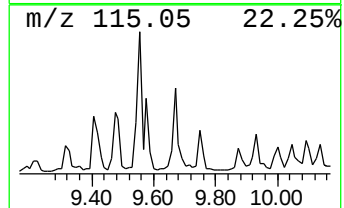
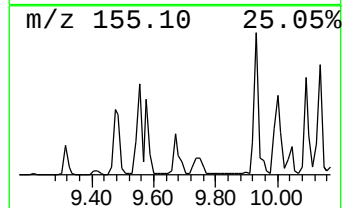
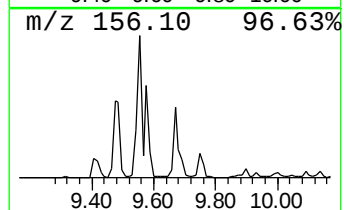
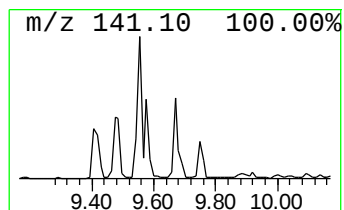
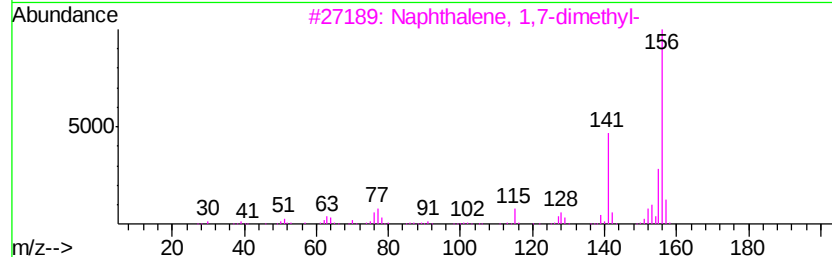
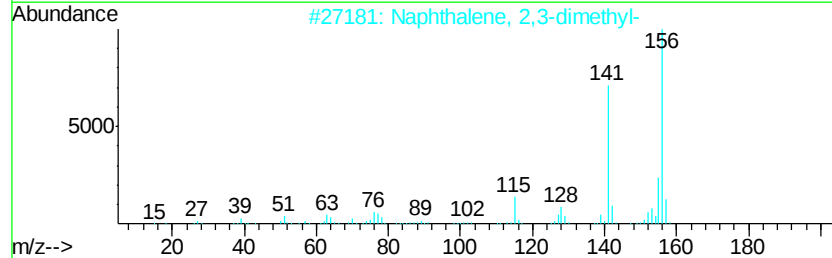
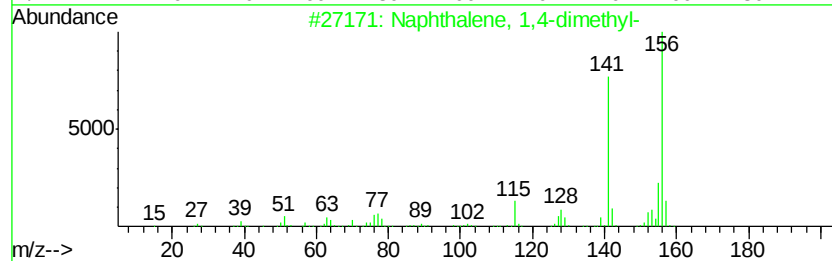
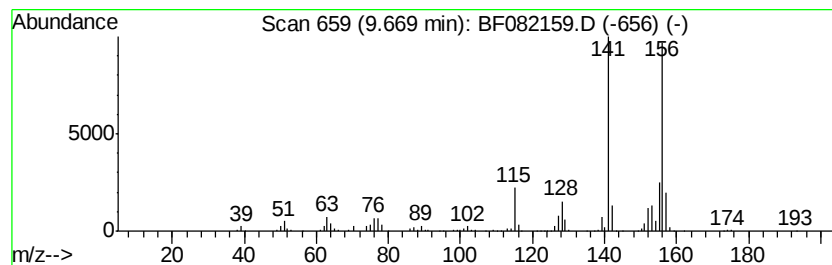
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	9.59 ng	484203	Acenaphthene-d10	9.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

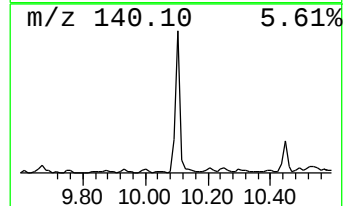
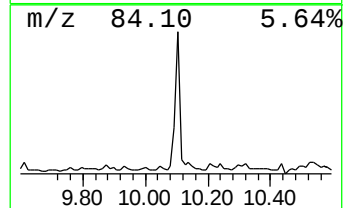
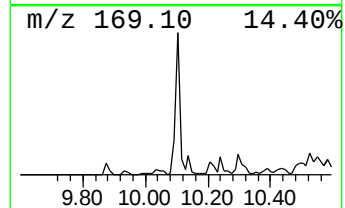
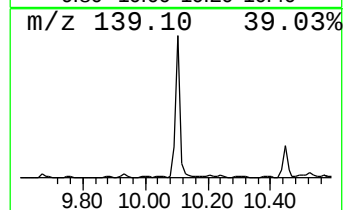
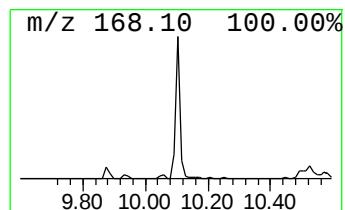
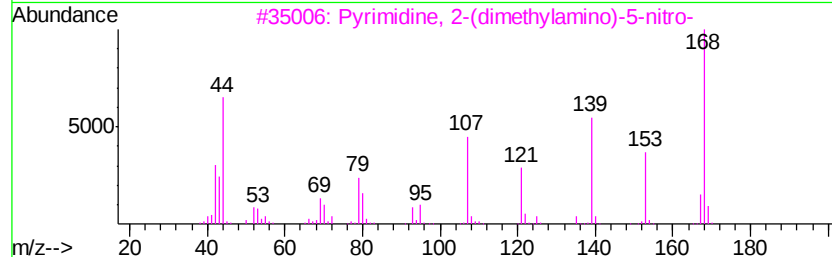
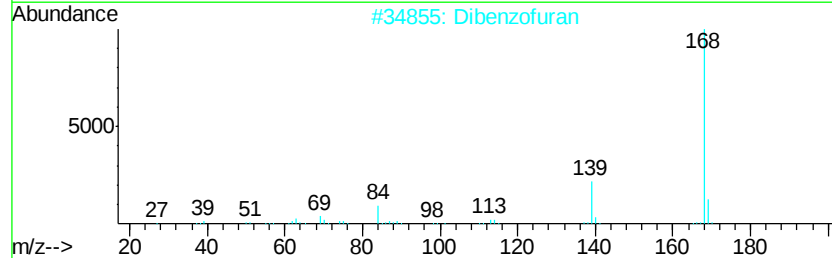
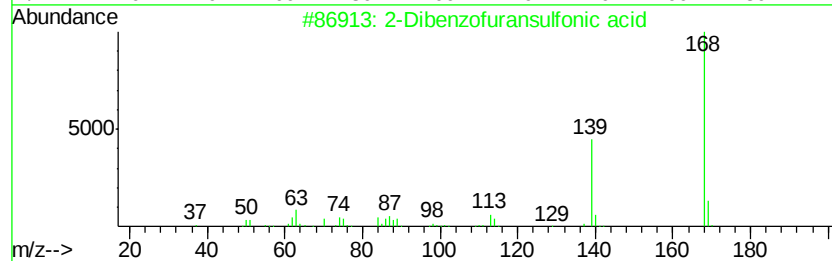
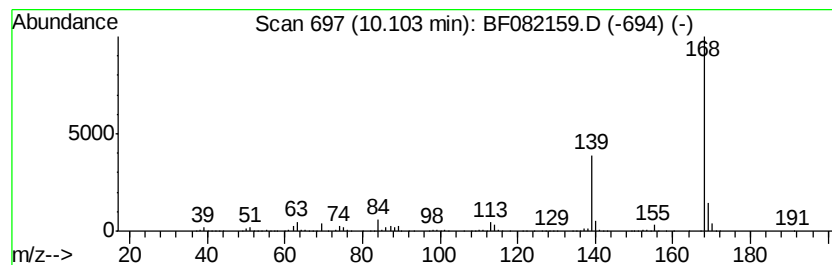
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2-Dibenzofuransulfonic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	32.97 ng	1663800	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Dibenzofuransulfonic acid	248	C12H8O4S	083863-63-2	78
2		Dibenzofuran	168	C12H8O	000132-64-9	68
3		Pyrimidine, 2-(dimethylamino)-5-...	168	C6H8N4O2	014233-44-4	56
4		3,5-Dimethoxybenzyl alcohol	168	C9H12O3	000705-76-0	56
5		9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
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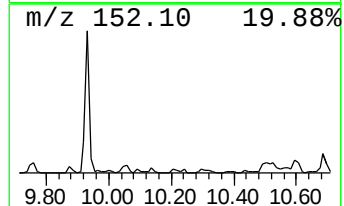
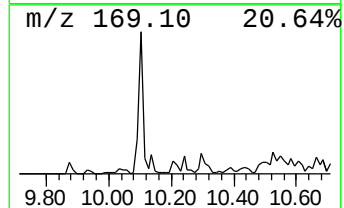
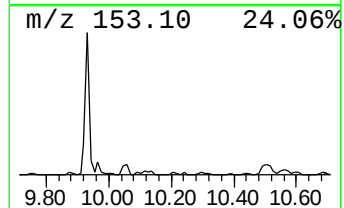
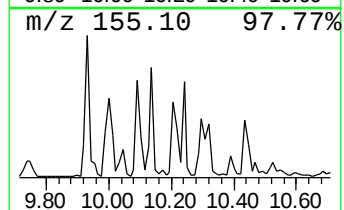
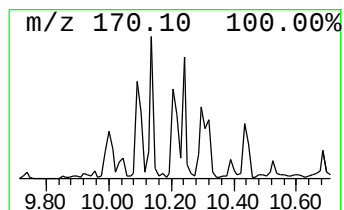
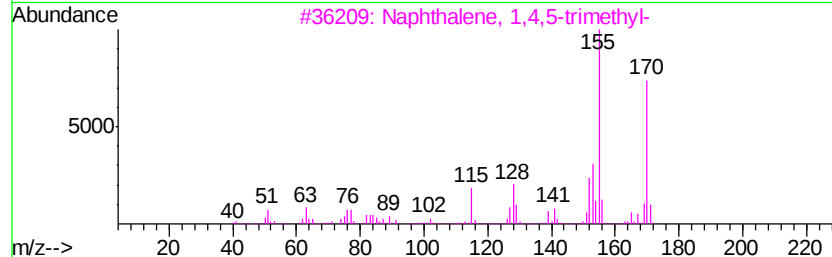
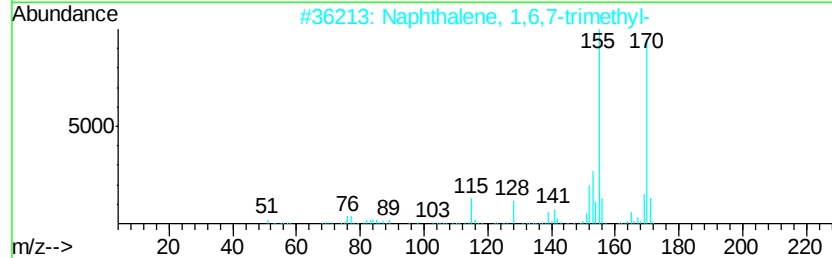
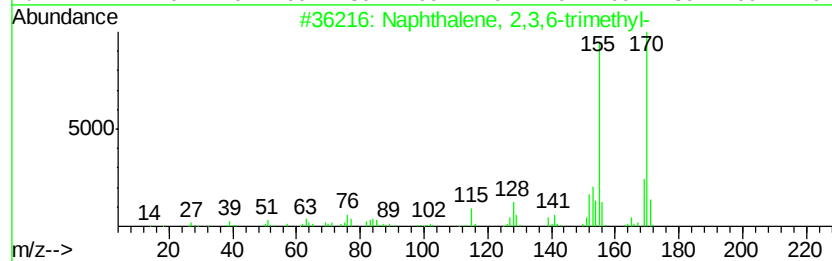
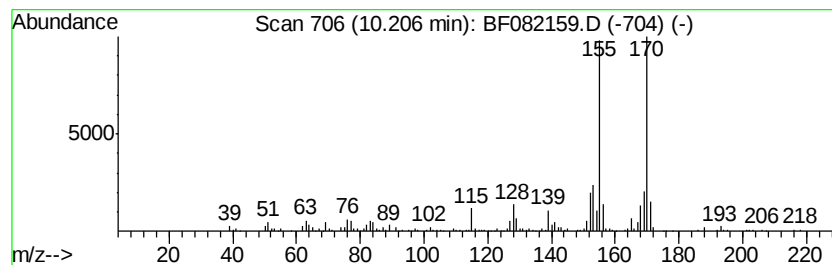
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ClientSampleId :
LS-COMP(1-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.21	6.23 ng	314250	Acenaphthene-d10		9.90	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene,	1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene,	1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4	Naphthalene,	1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	Azulene,	4,6,8-trimethyl-	170	C13H14	000941-81-1	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
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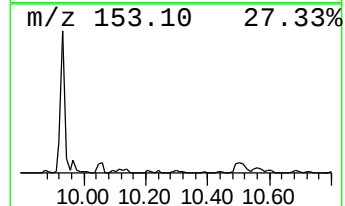
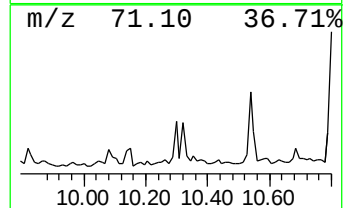
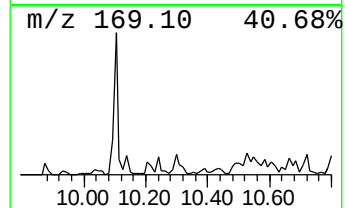
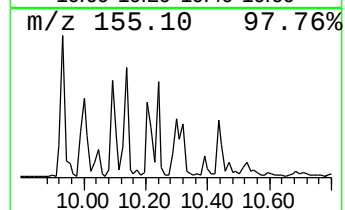
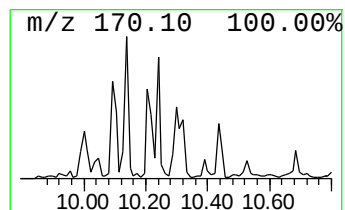
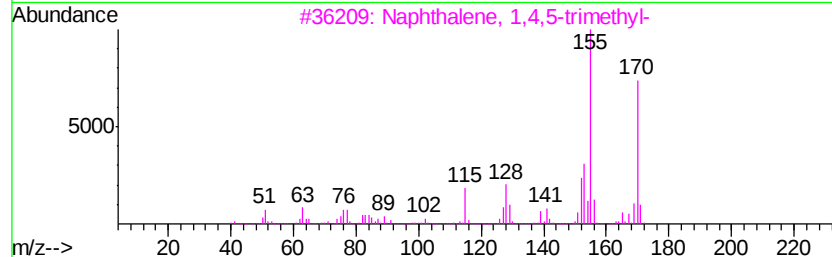
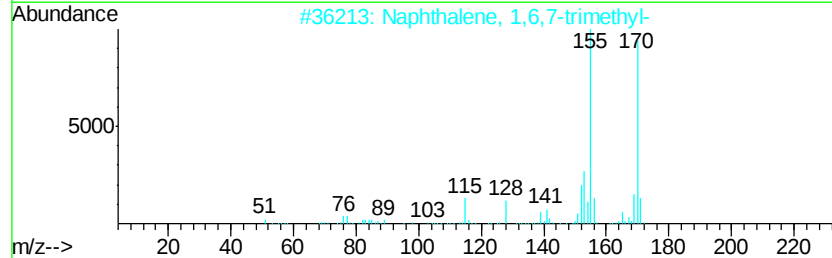
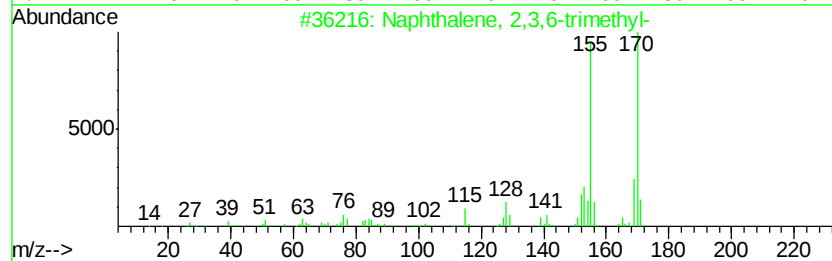
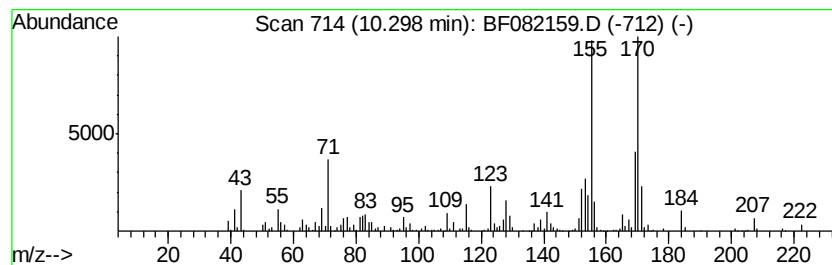
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.30	9.72 ng	490380	Acenaphthene-d10		9.90	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene,	1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene,	1,4,5-trimethyl-	170	C13H14	002131-41-1	92
4	Naphthalene,	1,4,6-trimethyl-	170	C13H14	002131-42-2	89
5	Azulene,	4,6,8-trimethyl-	170	C13H14	000941-81-1	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
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Instrument :
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ClientSampleId :
LS-COMP(1-8)

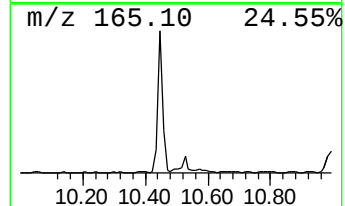
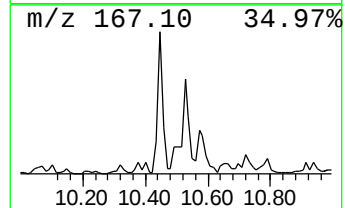
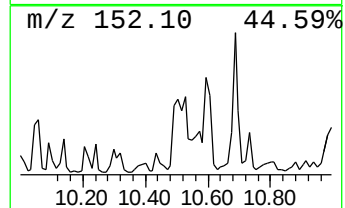
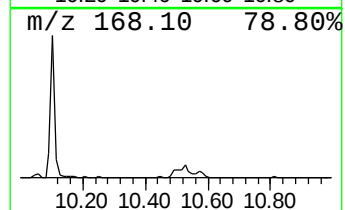
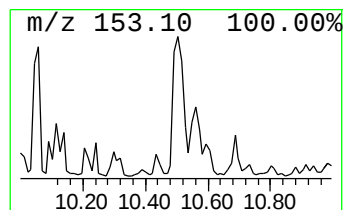
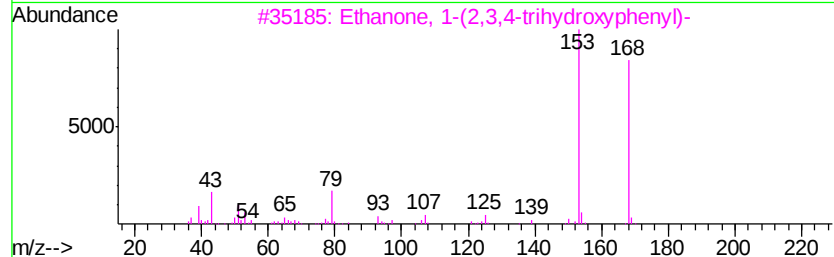
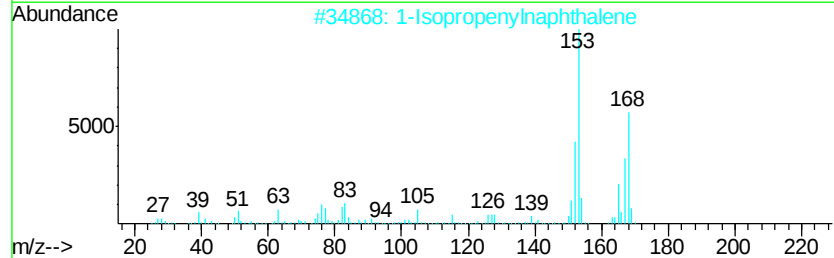
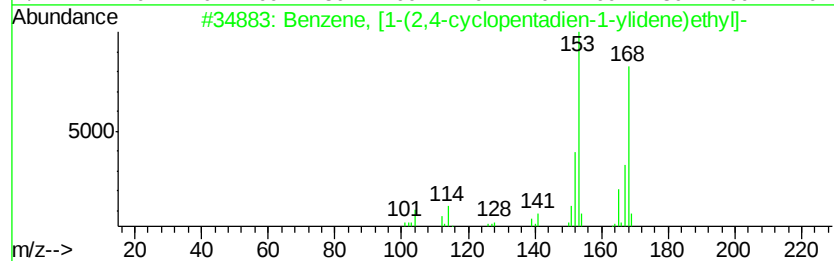
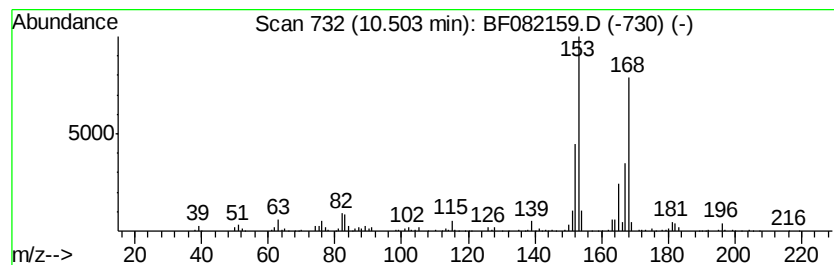
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, [1-(2,4-cyclopenta... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	8.46 ng	426841	Acenaphthene-d10	9.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
3			Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47
4			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38
5			Benzeneacetonitrile, 3,4-difluoro-	153	C8H5F2N	000658-99-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LS-COMP(1-8)

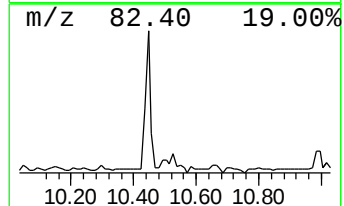
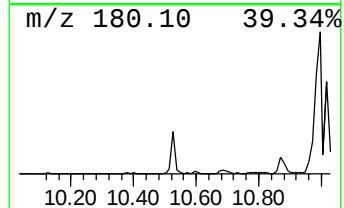
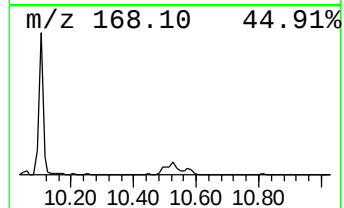
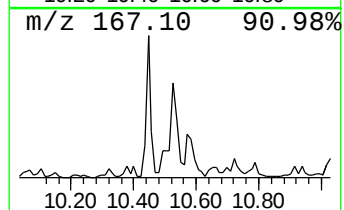
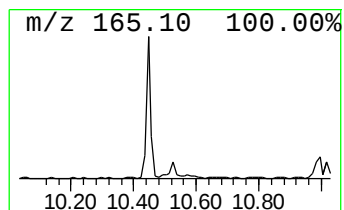
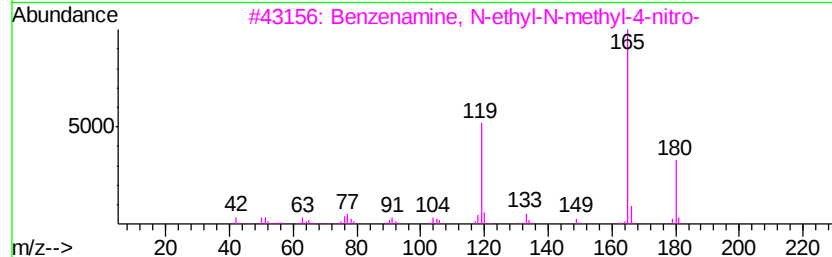
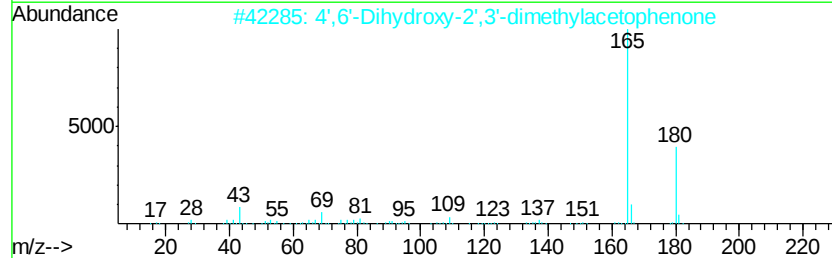
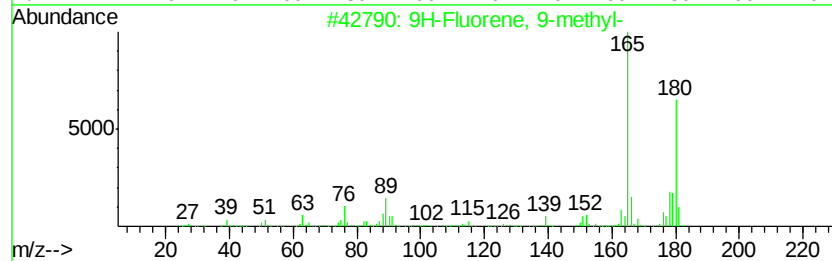
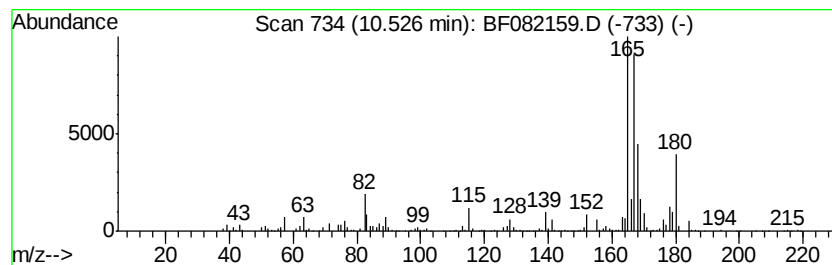
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown10.53 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	14.02 ng	707435	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	46
2		4',6'-Dihydroxy-2',3'-dimethylac...	180	C10H12O3	007743-14-8	35
3		Benzenamine, N-ethyl-N-methyl-4-...	180	C9H12N2O2	056269-48-8	35
4		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	35
5		Benzenamine, N-ethyl-2-methyl-5-...	180	C9H12N2O2	056288-95-0	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

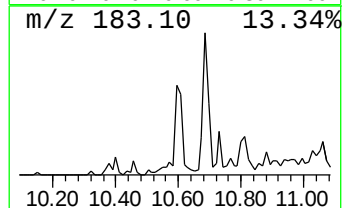
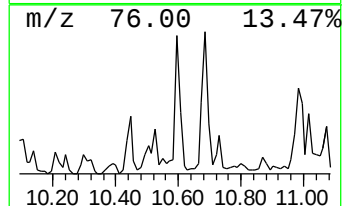
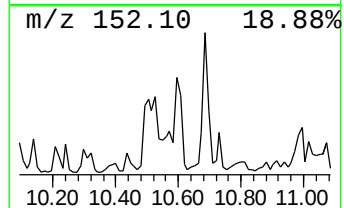
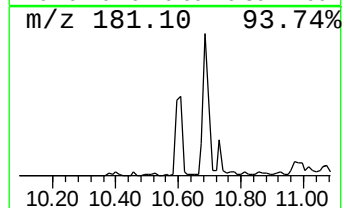
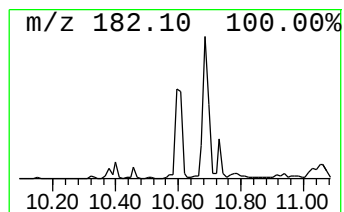
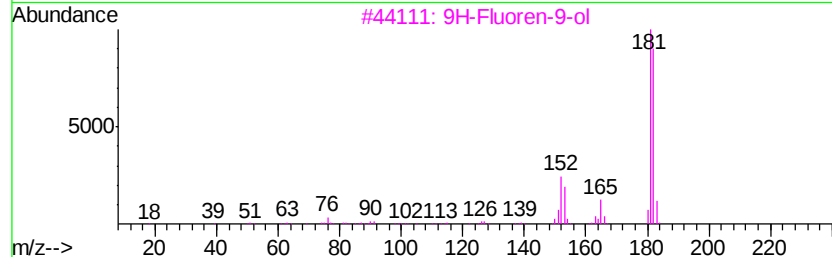
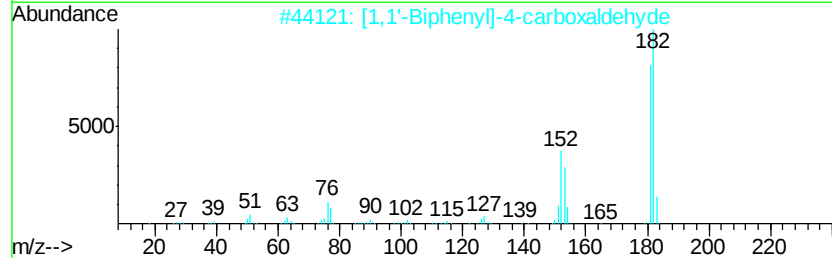
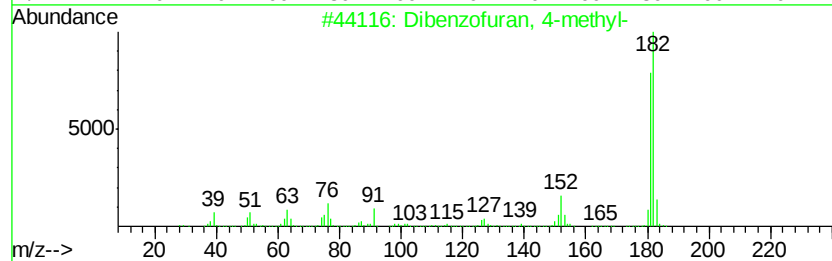
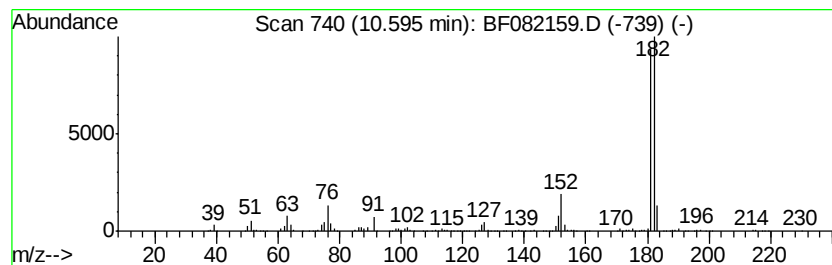
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ClientSampleId :
LS-COMP(1-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	10.99 ng	554865	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8 91
2		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 90
3		9H-Fluoren-9-ol	182 C13H10O	001689-64-1 80
4		3-(2-Naphthyl)acrylaldehyde	182 C13H10O	020884-05-3 72
5		2,4,6-Cycloheptatrien-1-one, 2-p...	182 C13H10O	014562-09-5 64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

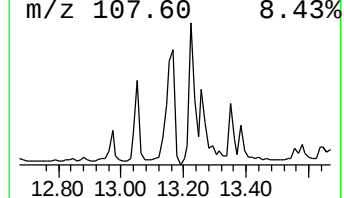
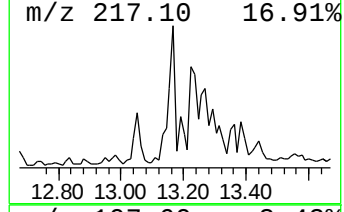
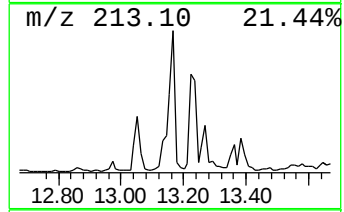
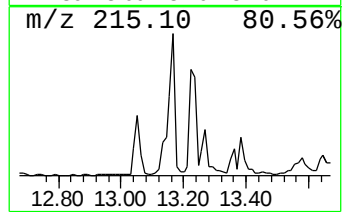
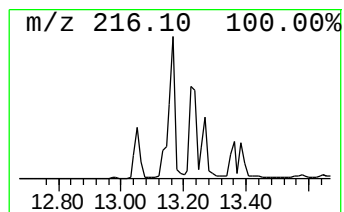
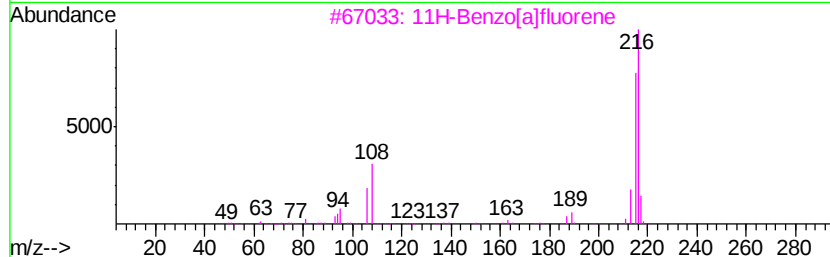
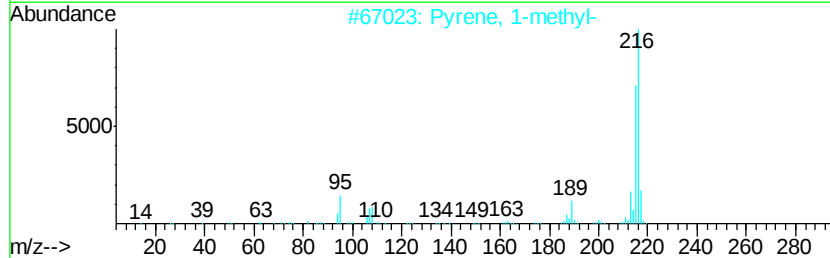
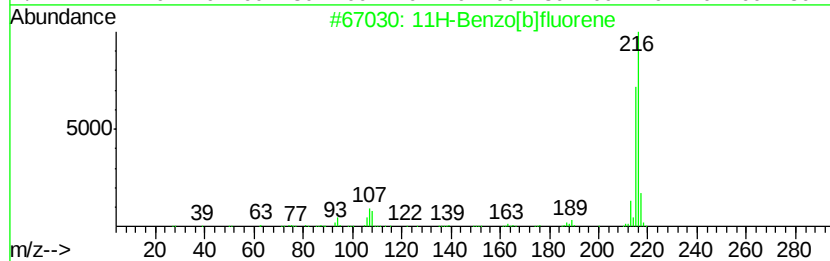
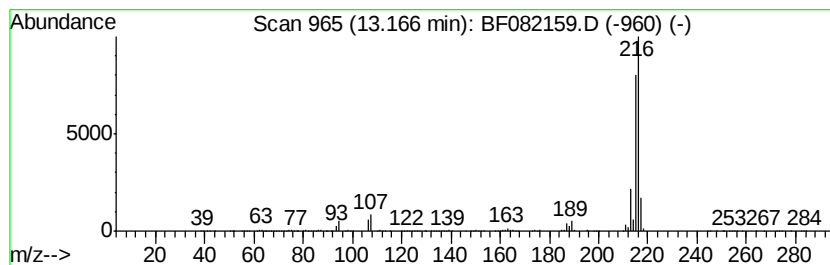
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	7.36 ng	1789890	Chrysene-d12	14.05

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

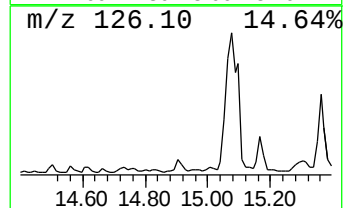
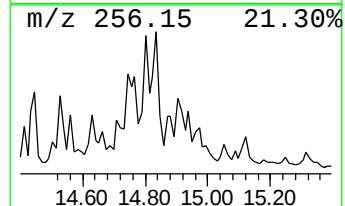
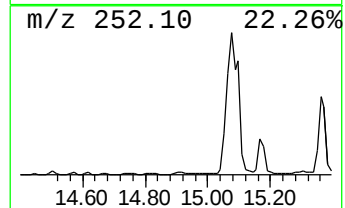
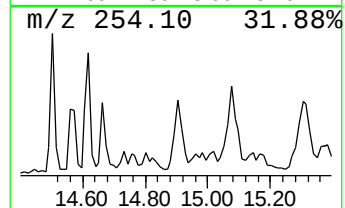
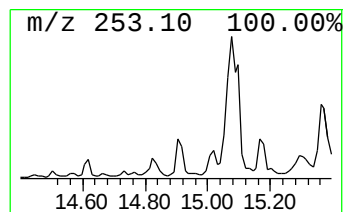
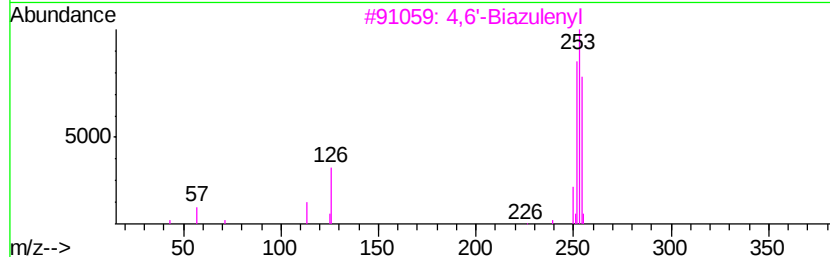
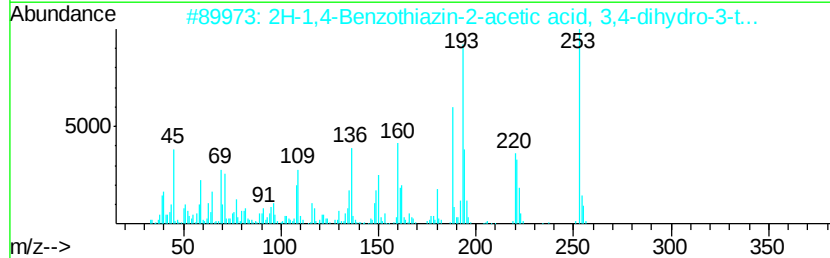
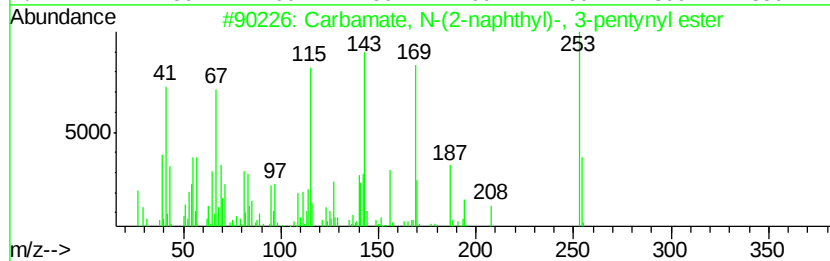
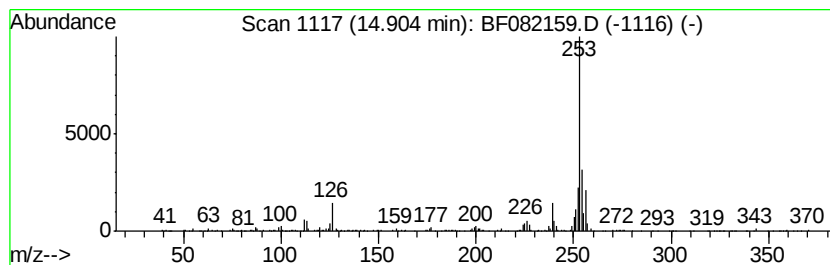
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.90 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	10.13 ng	231136	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
2		2H-1,4-Benzothiazin-2-acetic aci...	253	C11H11N02S2	002832-88-4	43
3		4,6'-Biazulenyl	254	C20H14	094154-49-1	35
4		4,4'-Biazulenyl	254	C20H14	094053-54-0	35
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
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Acq On : 9 Oct 2015 22:15
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Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

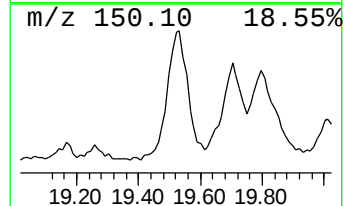
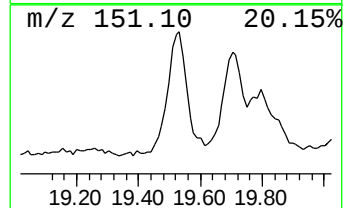
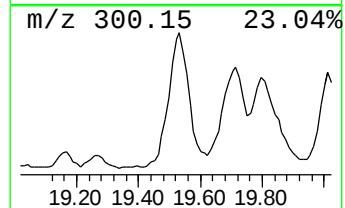
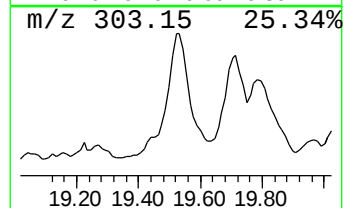
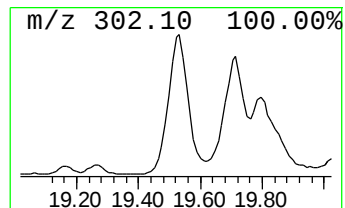
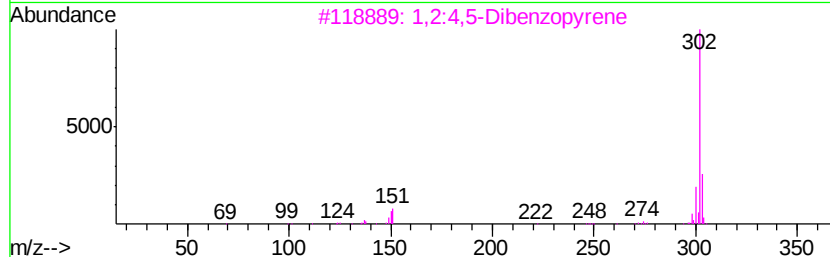
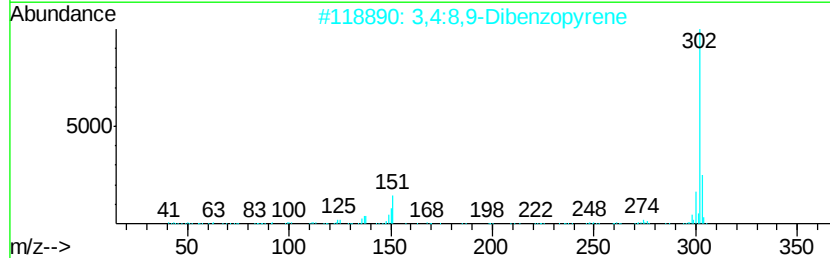
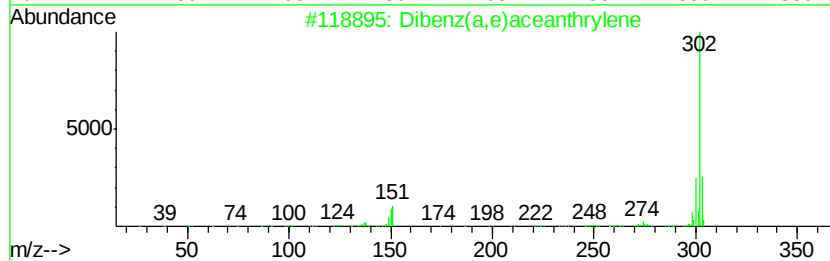
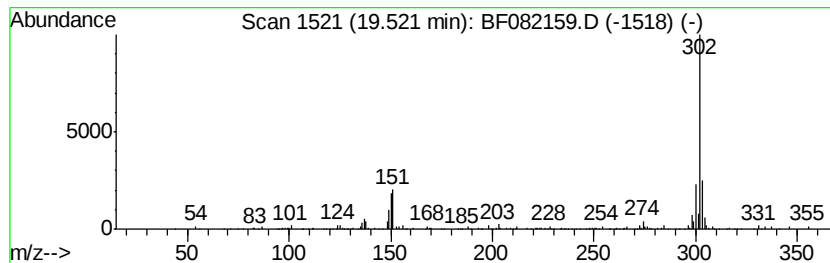
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	17.63 ng	402205	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
4		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	97
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082159.D
 Acq On : 9 Oct 2015 22:15
 Operator : UM/IZ
 Sample : G3921-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-COMP(1-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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...	5.04	35.0	ng	1019770	1	6.85	583121	20.0
unknown6.62	6.62	66.9	ng	1950690	1	6.85	583121	20.0
Naphthalene, 1,5-...	9.49	12.0	ng	606390	3	9.90	1009440	20.0
Naphthalene, 2,3-...	9.55	14.7	ng	744117	3	9.90	1009440	20.0
Naphthalene, 1,4-...	9.67	9.6	ng	484203	3	9.90	1009440	20.0
2-Dibenzofuransul...	10.10	33.0	ng	1663800	3	9.90	1009440	20.0
Naphthalene, 2,3,...	10.21	6.2	ng	314250	3	9.90	1009440	20.0
Naphthalene, 1,6,...	10.30	9.7	ng	490380	3	9.90	1009440	20.0
Benzene, [1-(2,4-...	10.50	8.5	ng	426841	3	9.90	1009440	20.0
unknown10.53	10.53	14.0	ng	707435	3	9.90	1009440	20.0
Dibenzofuran, 4-m...	10.59	11.0	ng	554865	3	9.90	1009440	20.0
11H-Benzo[b]fluorene	13.17	7.4	ng	1789890	5	14.05	4863100	20.0
unknown14.90	14.90	10.1	ng	231136	6	15.49	456319	20.0
Dibenz(a,e)aceant...	19.52	17.6	ng	402205	6	15.49	456319	20.0