

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083491.D
 Acq On : 4 Dec 2015 7:01
 Operator : UM/IZ
 Sample : G4588-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

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-BF113015.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	4.636	256	258	262	rBV	330065	619426	11.22%	0.898%
2	4.704	262	264	272	rVB	112758	174234	3.16%	0.253%
3	5.116	297	300	307	rBV	2655864	2927132	53.02%	4.245%
4	5.527	335	336	343	rVB2	38127	74885	1.36%	0.109%
5	5.664	347	348	351	rVB	72806	63979	1.16%	0.093%
6	6.019	377	379	383	rBV	84961	97185	1.76%	0.141%
7	6.201	393	395	401	rBV	1834571	1999565	36.22%	2.900%
8	6.304	401	404	406	rBV	4854449	4751619	86.07%	6.891%
9	6.407	411	413	416	rVB2	87429	121507	2.20%	0.176%
10	6.487	416	420	421	rBV4	89385	201432	3.65%	0.292%
11	6.521	421	423	426	rBV	828669	1064117	19.28%	1.543%
12	6.682	435	437	440	rBV	3462065	3989726	72.27%	5.786%
13	6.750	440	443	448	rVB2	104121	281220	5.09%	0.408%
14	6.819	448	449	451	rVB2	60024	67993	1.23%	0.099%
15	6.887	451	455	457	rBV2	85596	206095	3.73%	0.299%
16	6.944	457	460	461	rBV	59119	68069	1.23%	0.099%
17	6.979	461	463	466	rBV3	145454	214913	3.89%	0.312%
18	7.059	468	470	472	rVB	136786	165650	3.00%	0.240%
19	7.104	472	474	477	rBV	3072866	3702544	67.07%	5.370%
20	7.219	482	484	487	rBV3	174641	273148	4.95%	0.396%
21	7.310	489	492	494	rVB4	81759	167718	3.04%	0.243%
22	7.367	494	497	498	rVB2	82361	142423	2.58%	0.207%
23	7.402	498	500	502	rVB2	177225	229097	4.15%	0.332%
24	7.436	502	503	505	rBV2	42220	61190	1.11%	0.089%
25	7.504	505	509	511	rBV4	170965	321815	5.83%	0.467%
26	7.550	511	513	514	rBV2	138370	245971	4.46%	0.357%
27	7.584	514	516	518	rVB2	67555	97695	1.77%	0.142%
28	7.642	518	521	523	rBV4	171821	293802	5.32%	0.426%
29	7.710	526	527	528	rVB	100060	68641	1.24%	0.100%
30	7.733	528	529	530	rBV	178608	137993	2.50%	0.200%
31	7.767	530	532	535	rBV4	156583	300318	5.44%	0.436%
32	7.813	535	536	538	rBV	1024768	1303181	23.61%	1.890%
33	7.870	538	541	544	rVB4	298261	643626	11.66%	0.933%
34	7.939	544	547	548	rBV2	101312	220754	4.00%	0.320%

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35	7.973	548	550	554	rBV3	327479	501951	9.09%	0.728%
36	8.042	554	556	557	rBV2	120595	158772	2.88%	0.230%
37	8.065	557	558	559	rBV	166080	184462	3.34%	0.268%
38	8.099	559	561	564	rVB2	161393	265113	4.80%	0.384%
39	8.145	564	565	566	rBV	111142	91527	1.66%	0.133%
40	8.179	566	568	569	rBV	145516	150082	2.72%	0.218%
41	8.270	572	576	577	rBV3	319152	778672	14.10%	1.129%
42	8.293	577	578	581	rVB3	428240	459114	8.32%	0.666%
43	8.350	581	583	587	rVB	552504	569094	10.31%	0.825%
44	8.407	587	588	590	rVB2	104970	125522	2.27%	0.182%
45	8.453	590	592	595	rBV4	140788	284287	5.15%	0.412%
46	8.510	595	597	600	rBV2	309942	395306	7.16%	0.573%
47	8.556	600	601	602	rVB	115140	78928	1.43%	0.114%
48	8.590	602	604	606	rBV3	364855	726609	13.16%	1.054%
49	8.625	606	607	608	rBV	231372	164503	2.98%	0.239%
50	8.705	612	614	616	rBV2	414567	642685	11.64%	0.932%
51	8.739	616	617	619	rVB2	255379	293548	5.32%	0.426%
52	8.842	622	626	628	rBV3	661695	1215300	22.01%	1.763%
53	8.899	628	631	635	rVB	4734258	5520568	100.00%	8.007%
54	8.956	635	636	637	rBV	304846	212251	3.84%	0.308%
55	9.025	637	642	643	rBV5	308213	875684	15.86%	1.270%
56	9.082	643	647	649	rBV2	537388	1158039	20.98%	1.680%
57	9.219	656	659	661	rBV2	523082	987597	17.89%	1.432%
58	9.265	661	663	665	rVV3	394473	613534	11.11%	0.890%
59	9.322	665	668	673	rVV4	840330	2021669	36.62%	2.932%
60	9.436	675	678	681	rVB3	432213	927632	16.80%	1.345%
61	9.505	682	684	686	rBV2	209327	307261	5.57%	0.446%
62	9.562	686	689	692	rVV	1637755	2273278	41.18%	3.297%
63	9.642	694	696	700	rVB4	241818	479162	8.68%	0.695%
64	9.836	711	713	715	rVB	520377	640632	11.60%	0.929%
65	9.928	715	721	722	rBV3	811089	2344851	42.47%	3.401%
66	9.962	722	724	725	rVV2	446491	782701	14.18%	1.135%
67	10.042	729	731	734	rBV3	444163	705529	12.78%	1.023%
68	10.236	746	748	752	rVB5	452330	883582	16.01%	1.281%
69	10.293	752	753	756	rVB3	541503	1000845	18.13%	1.452%
70	10.362	756	759	761	rBV	2161926	3087380	55.93%	4.478%
71	10.430	762	765	769	rVB2	603432	906401	16.42%	1.315%

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72	10.510	771	772	775	rVV3	394645	598999	10.85%	0.869%
73	10.568	775	777	779	rVV	648487	877551	15.90%	1.273%
74	10.613	779	781	784	rVV3	299604	545132	9.87%	0.791%
75	10.728	788	791	795	rBV5	196744	554964	10.05%	0.805%
76	11.105	821	824	826	rVB	929398	1095490	19.84%	1.589%
77	11.185	828	831	832	rBV2	445325	620615	11.24%	0.900%
78	11.311	841	842	844	rVB	174083	137005	2.48%	0.199%
79	11.356	844	846	848	rBV	218426	238657	4.32%	0.346%
80	11.825	884	887	888	rBV	170421	279398	5.06%	0.405%
81	12.876	976	979	988	rVB	196580	387620	7.02%	0.562%
82	13.002	988	990	996	rVB5	53245	97427	1.76%	0.141%
83	13.185	1003	1006	1009	rVB	2806467	3614866	65.48%	5.243%
84	14.625	1129	1132	1136	rVV	33752	71783	1.30%	0.104%
85	14.705	1136	1139	1146	rVB	658849	983502	17.82%	1.426%
86	16.774	1317	1320	1326	rBV	543180	735089	13.32%	1.066%

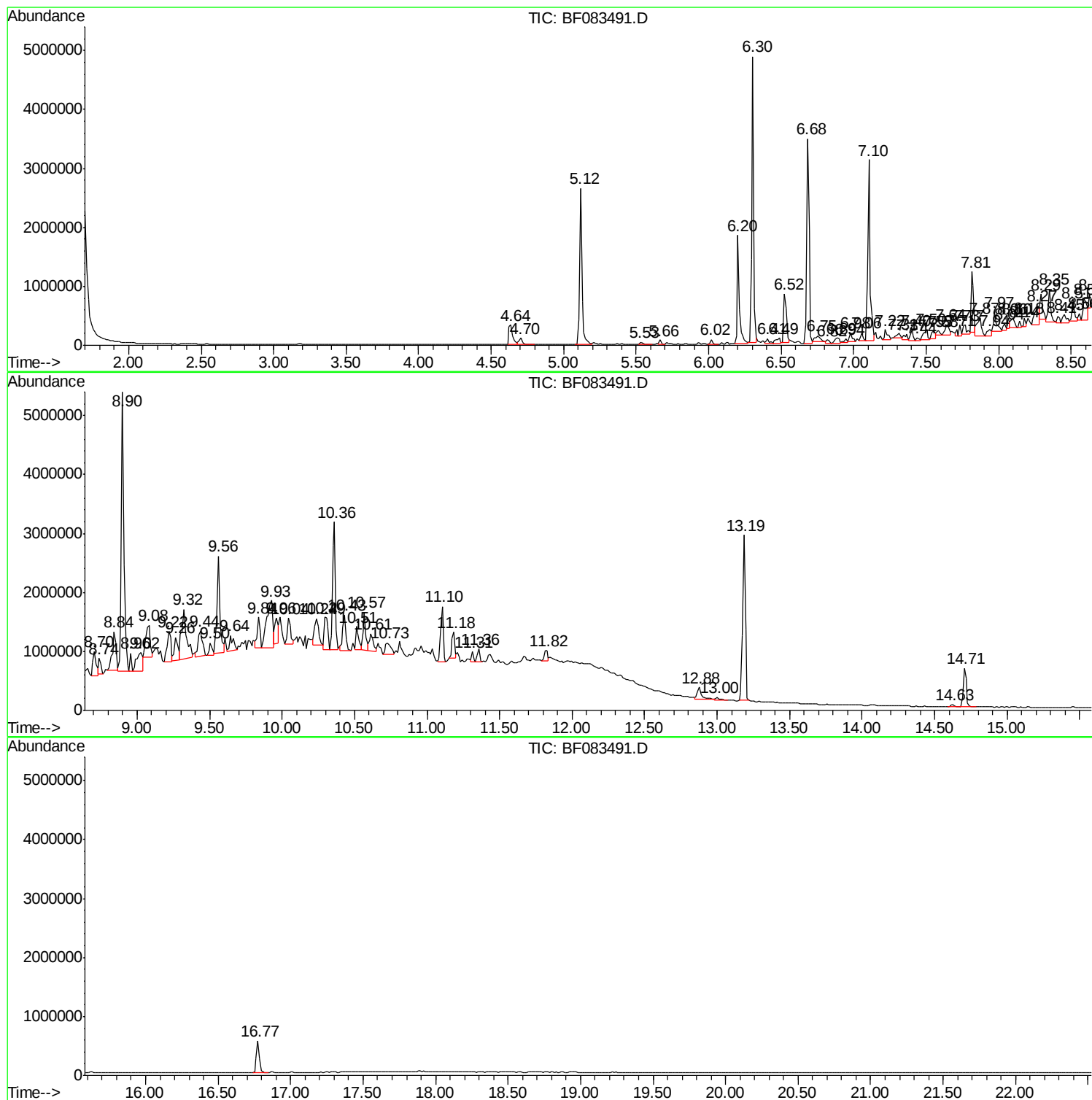
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BNA_F
ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-02

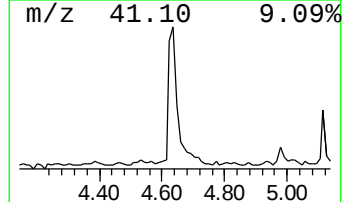
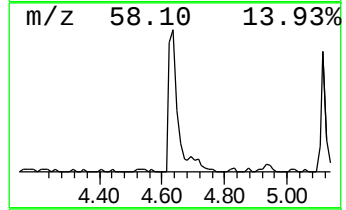
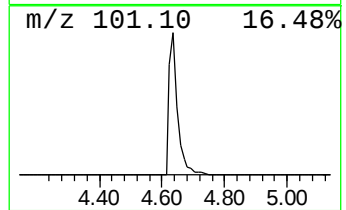
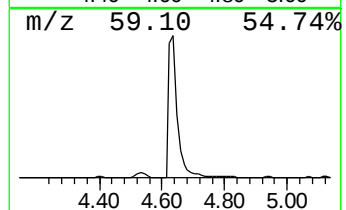
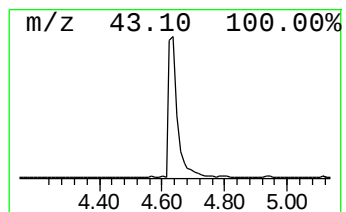
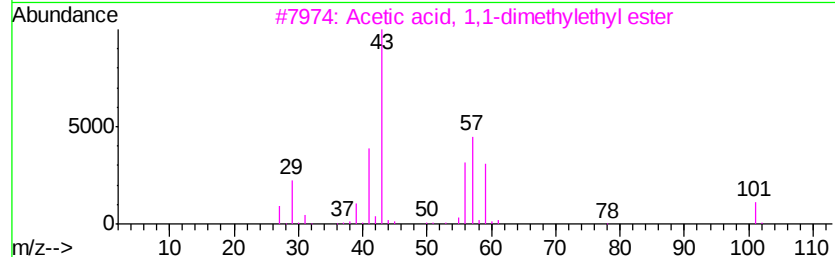
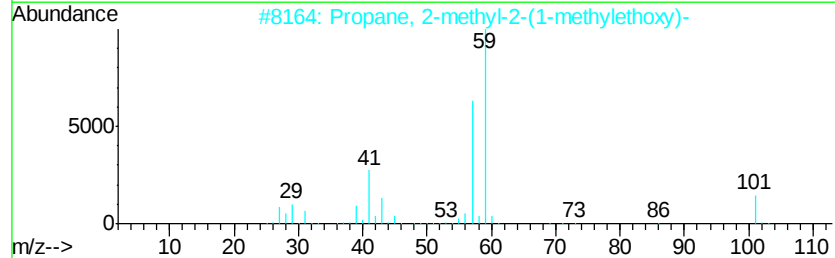
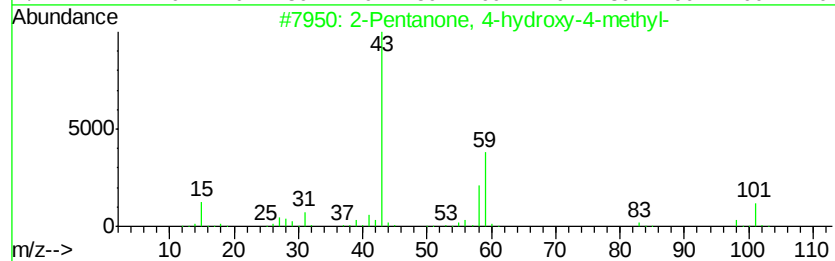
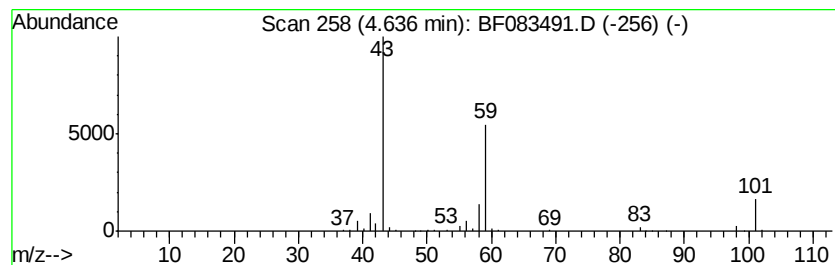
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	11.64 ng	619426	1,4-Dichlorobenzene-d4	6.52

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64	
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36	
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28	
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25	
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16	



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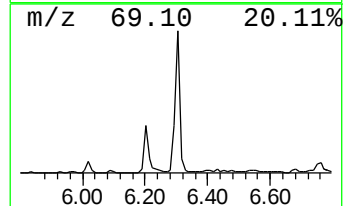
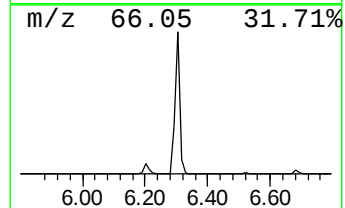
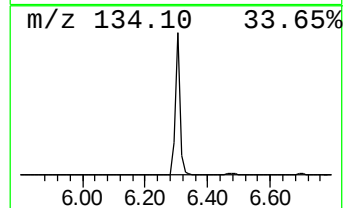
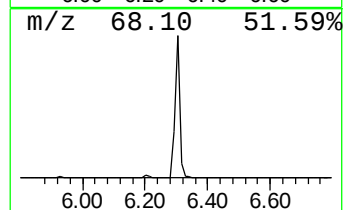
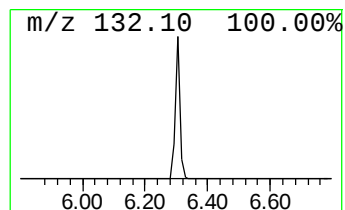
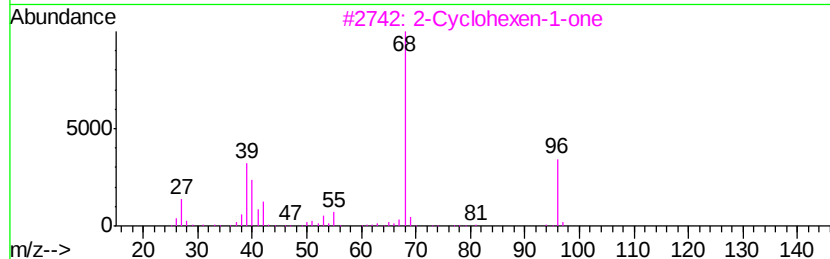
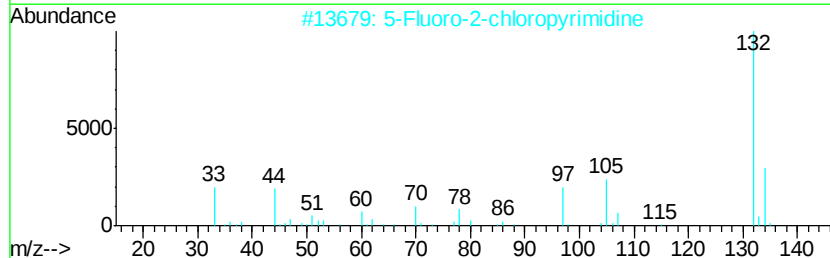
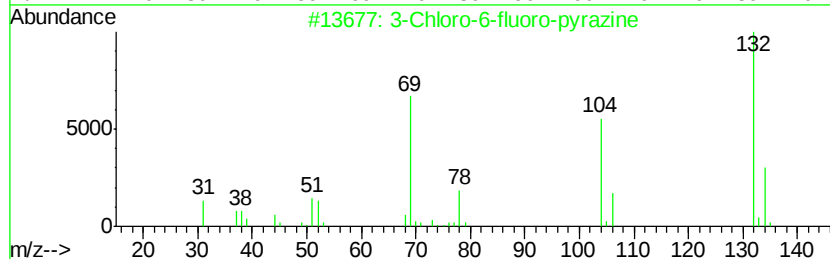
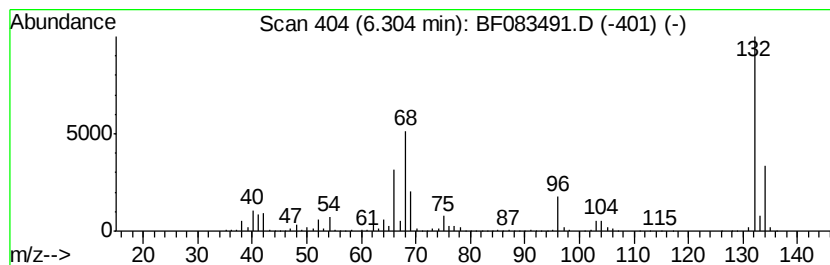
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.30 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	89.31 ng	4751620	1,4-Dichlorobenzene-d4	6.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
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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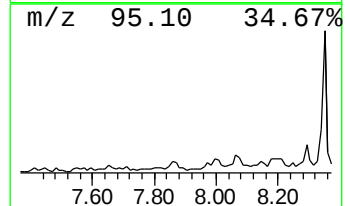
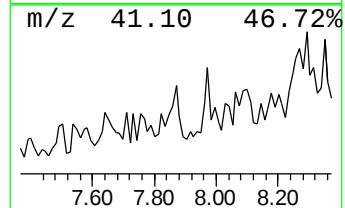
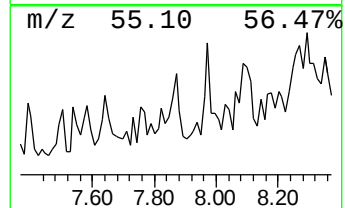
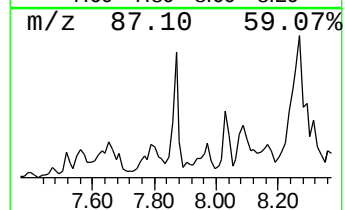
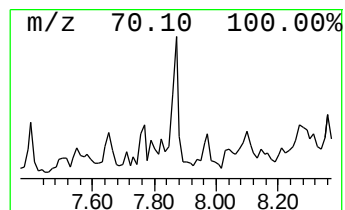
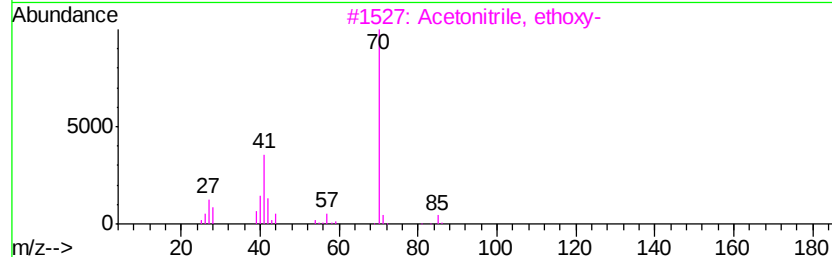
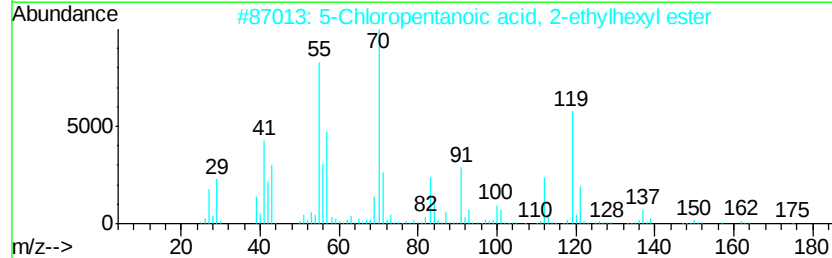
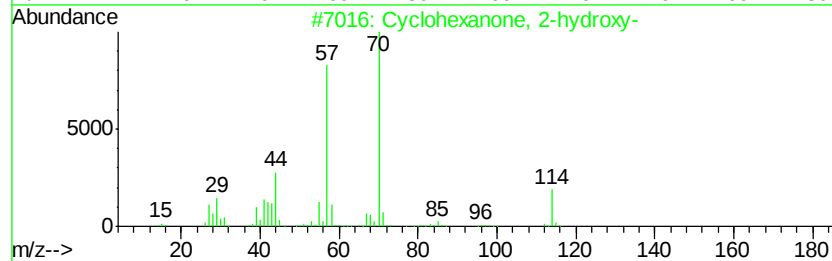
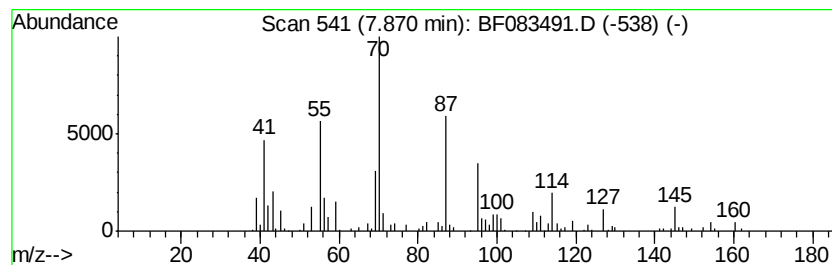
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown7.87 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	9.88 ng	643626	Napthalene-d8	7.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 2-hydroxy-	114	C6H10O2	000533-60-8	35
2		5-Chloropentanoic acid, 2-ethylh...	248	C13H25ClO2	1000293-48-9	27
3		Acetonitrile, ethoxv-	85	C4H7NO	062957-60-2	27
4		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	22
5		Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	22



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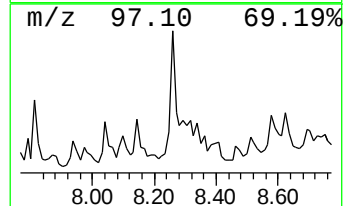
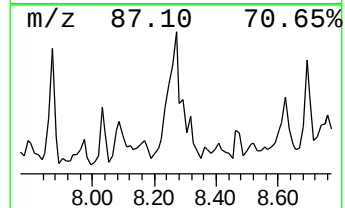
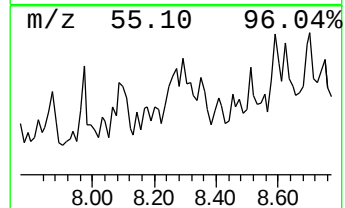
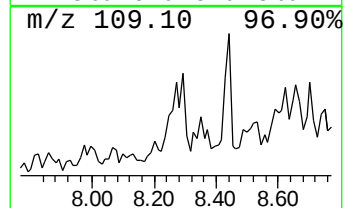
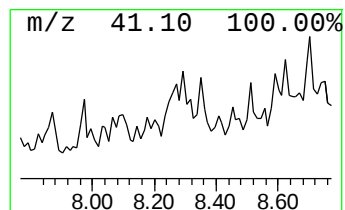
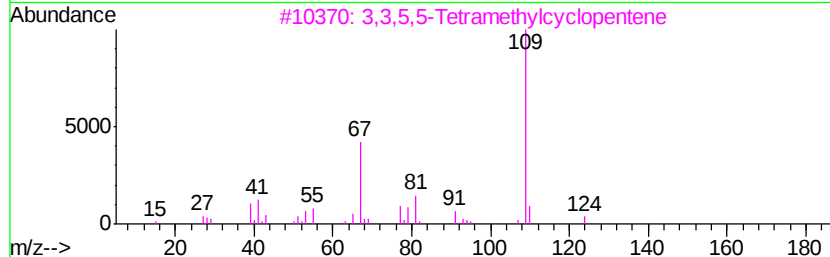
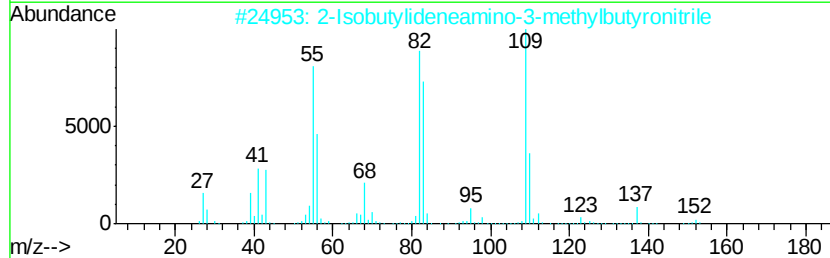
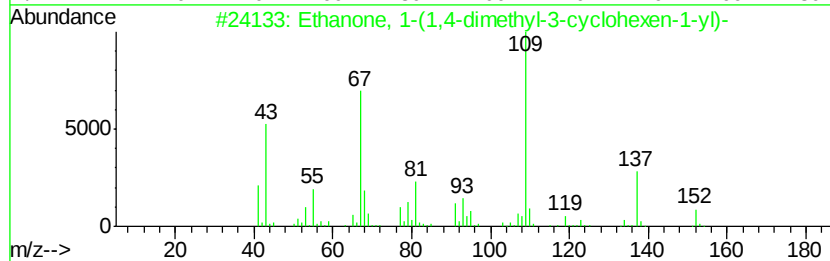
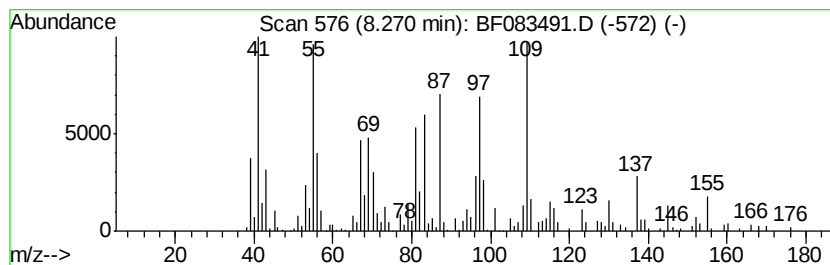
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown8.27 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	11.95 ng	778672	Naphthalene-d8	7.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(1,4-dimethyl-3-cyclohexen-1-yl)-	152	C10H16O	043219-68-7	30
2		2-Isobutylideneamino-3-methylbutyronitrile	152	C9H16N2	125213-17-4	30
3		3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	25
4		2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	18
5		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
Operator : UM/IZ
Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-02

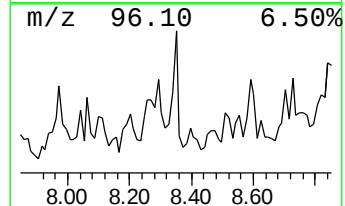
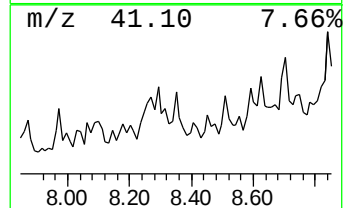
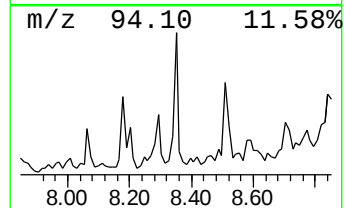
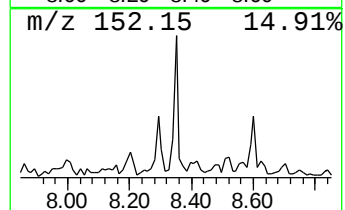
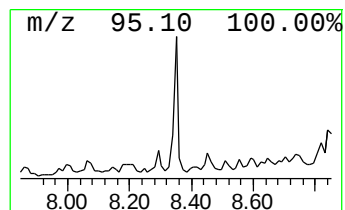
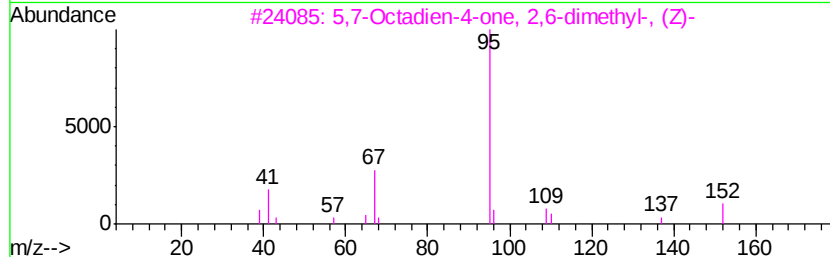
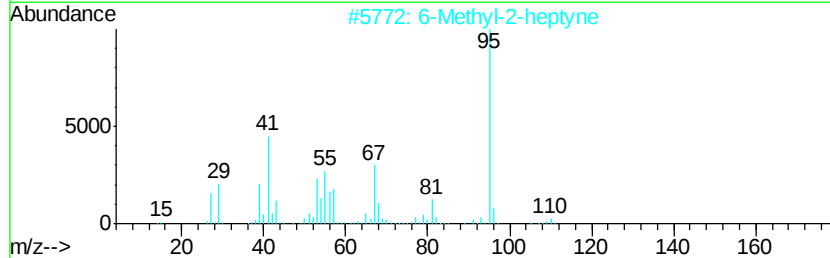
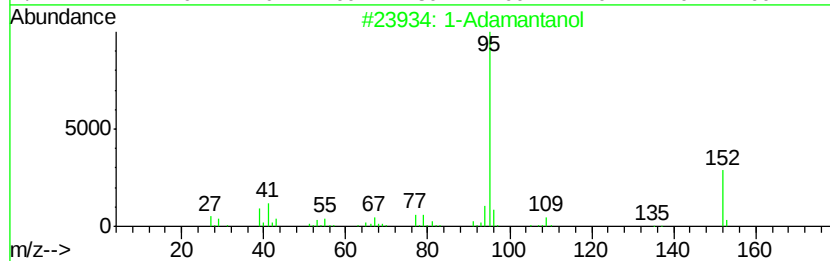
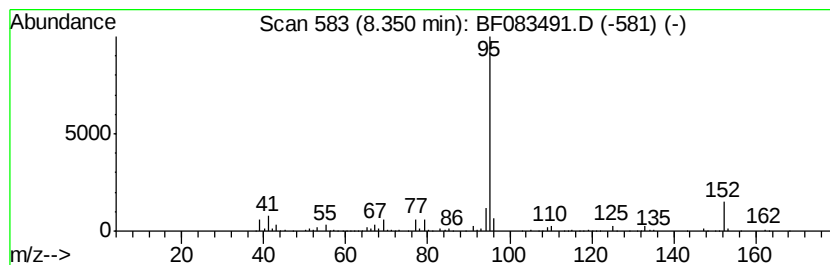
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Adamantanol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	8.73 ng	569094	Naphthalene-d8	7.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Adamantanol	152	C10H16O	000768-95-6	87
2		6-Methyl-2-heptyne	110	C8H14	051065-64-6	45
3		5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	003588-18-9	39
4		1,4-Pentadiene, 2,3,4-trimethyl-	110	C8H14	072014-90-5	38
5		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	36



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
Operator : UM/IZ
Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
MW-02

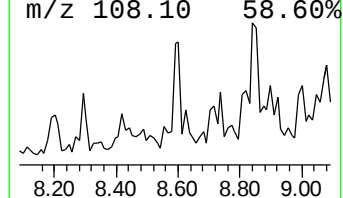
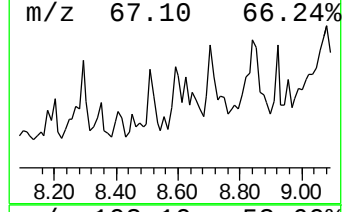
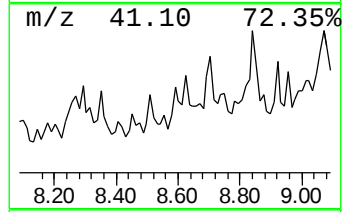
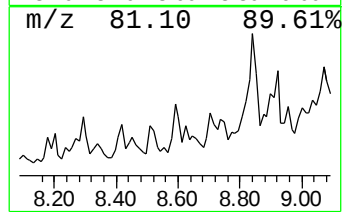
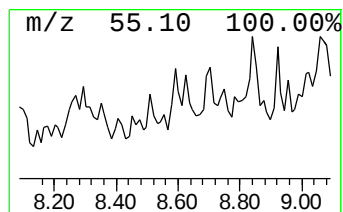
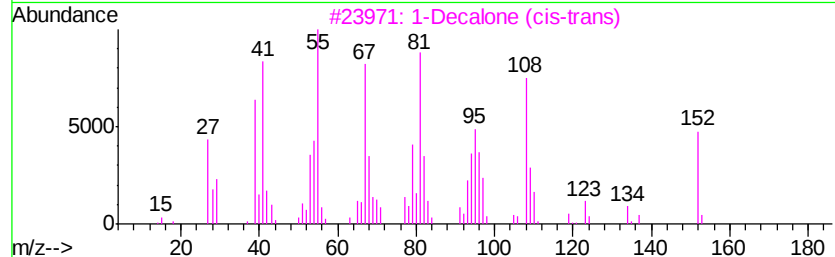
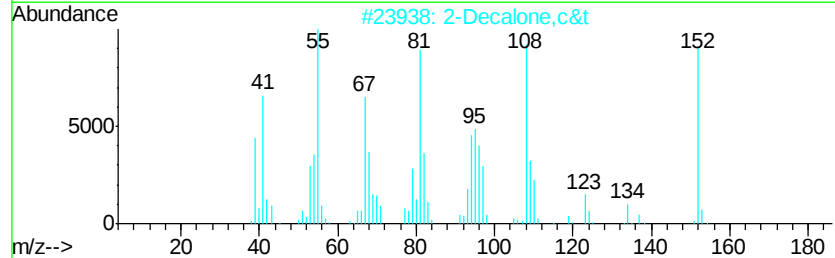
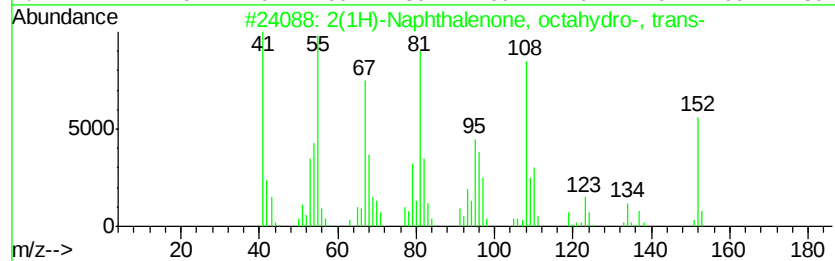
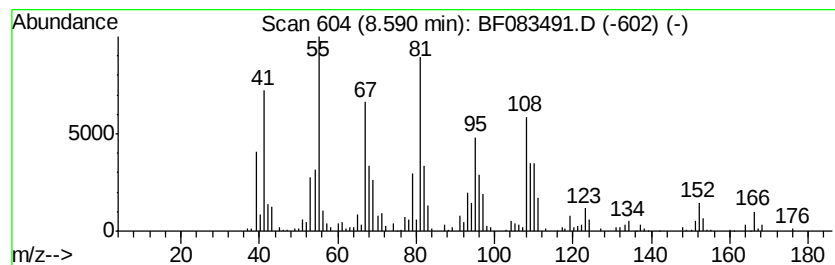
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2(1H)-Naphthalenone, octahydro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	11.15 ng	726609	Naphthalene-d8	7.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	95
2		2-Decalone,c&t	152	C10H16O	004832-17-1	93
3		1-Decalone (cis-trans)	152	C10H16O	004832-16-0	93
4		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	68
5		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
Operator : UM/IZ
Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-02

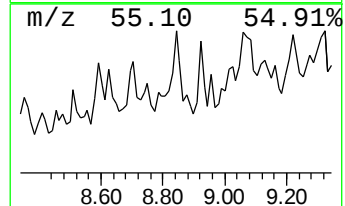
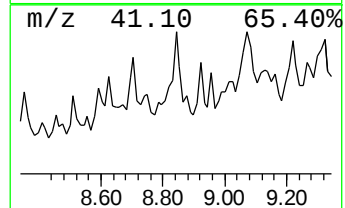
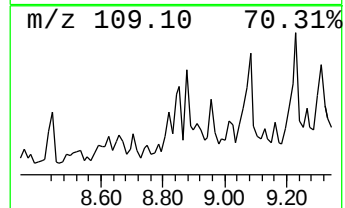
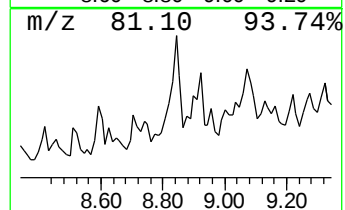
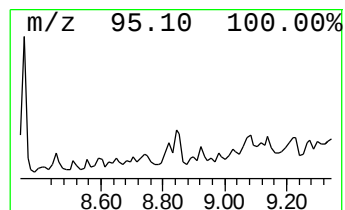
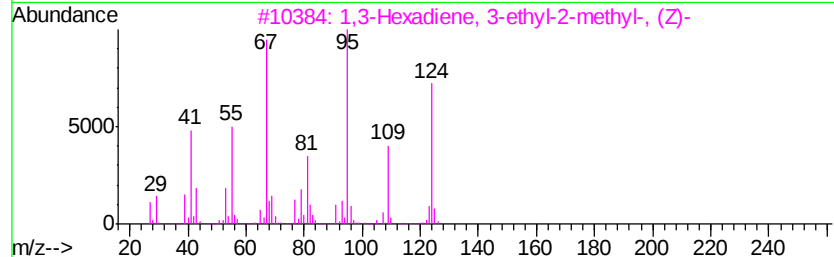
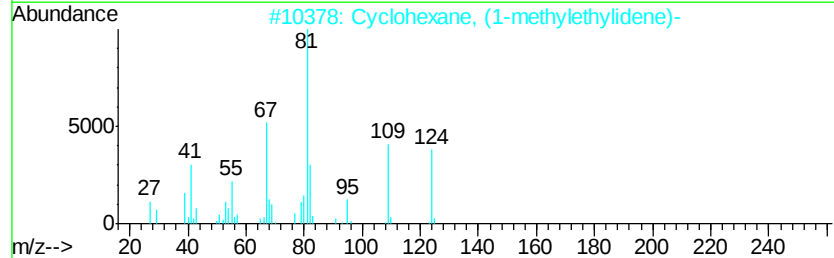
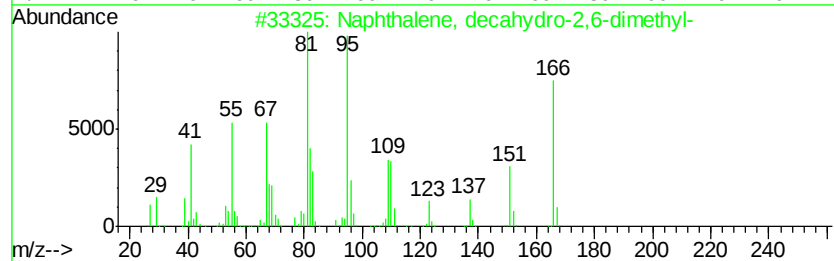
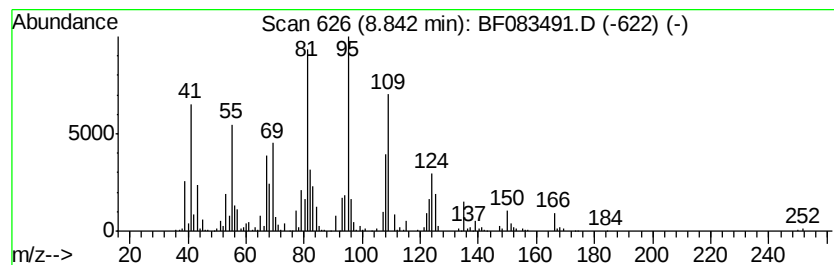
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, decahydro-2,6-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	10.69 ng	1215300	Acenaphthene-d10	9.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	58
2		Cyclohexane, (1-methylethylidene)-	124	C9H16	005749-72-4	43
3		1,3-Hexadiene, 3-ethyl-2-methyl-...	124	C9H16	074752-97-9	38
4		Tricyclo[4.3.1.1(3,8)]undecan-3-ol	166	C11H18O	014504-80-4	38
5		Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
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Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

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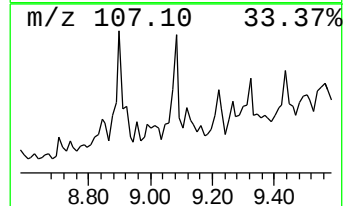
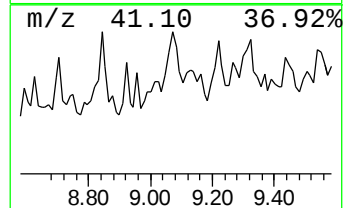
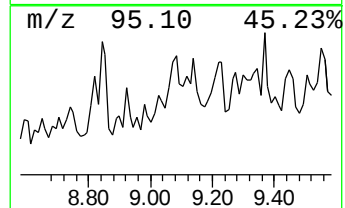
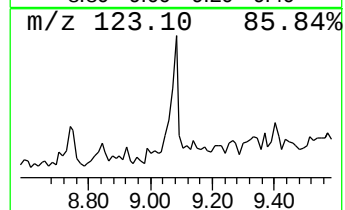
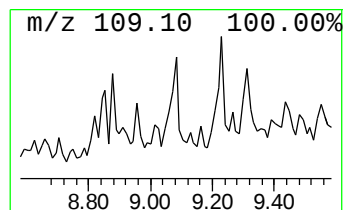
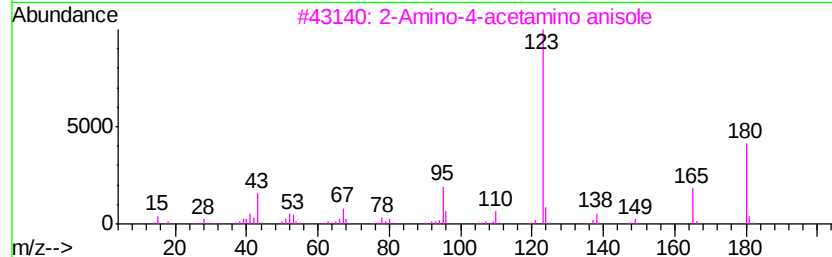
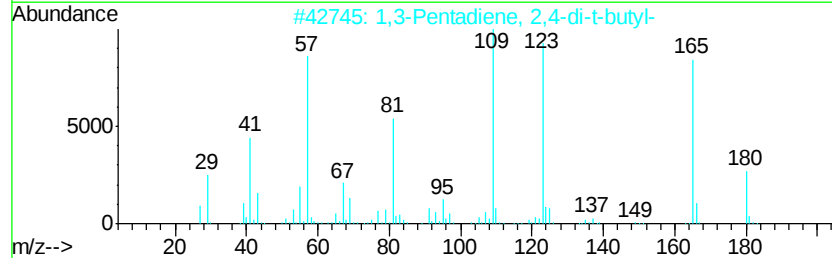
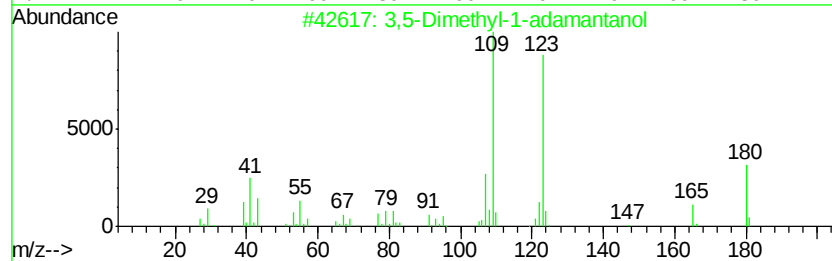
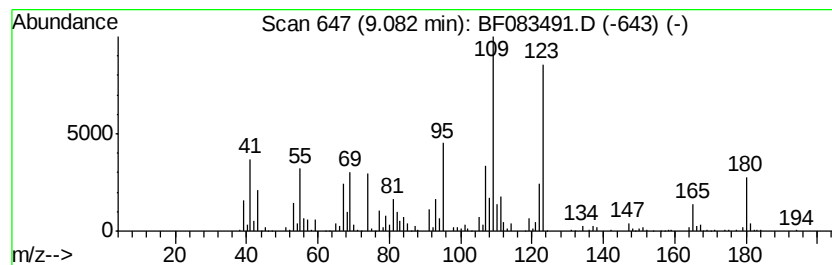
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 3,5-Dimethyl-1-adamantanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	10.19 ng	1158040	Acenaphthene-d10	9.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	81
2		1,3-Pentadiene, 2,4-di-t-butyl-	180	C13H24	132850-21-6	58
3		2-Amino-4-acetamino anisole	180	C9H12N2O2	006375-47-9	38
4		Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	37
5		1,3-Bis(bromomethyl)cyclohexane	268	C8H14Br2	1000216-89-9	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
Operator : UM/IZ
Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-02

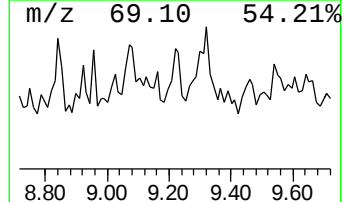
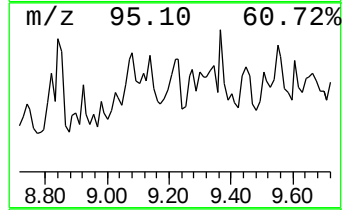
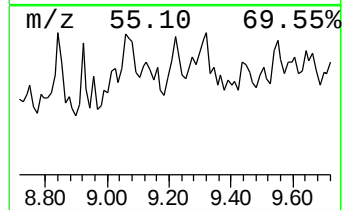
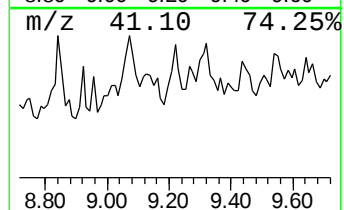
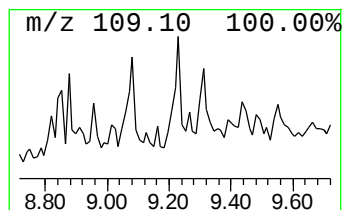
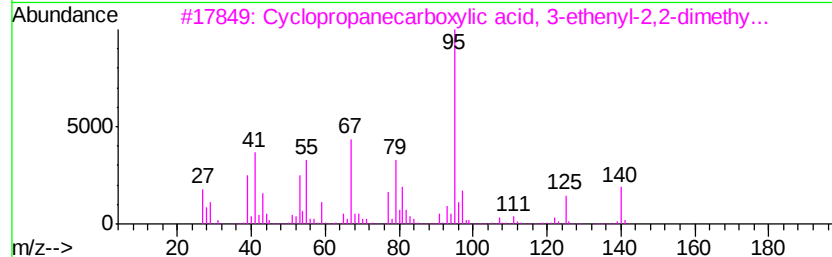
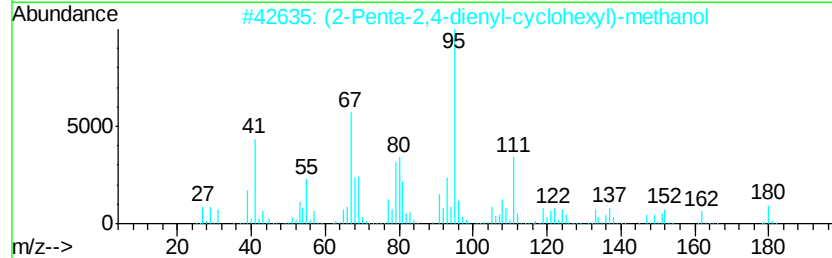
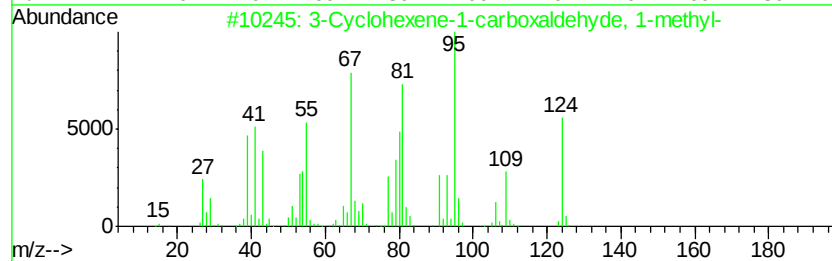
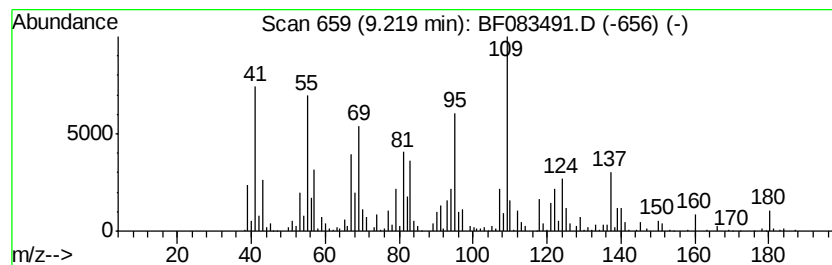
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown9.22 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	8.69 ng	987597	Acenaphthene-d10	9.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Cyclohexene-1-carboxaldehyde, ...	124	C8H12O	000931-96-4	38
2			(2-Penta-2,4-dienyl-cyclohexyl)-...	180	C12H20O	1000186-20-6	35
3			Cyclopropanecarboxylic acid, 3-e...	140	C8H12O2	067528-58-9	35
4			Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	25
5			2-Cyclopenten-1-one, 3,4,4-trime...	124	C8H12O	030434-65-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
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Sample : G4588-07
Misc :
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ClientSampleId :
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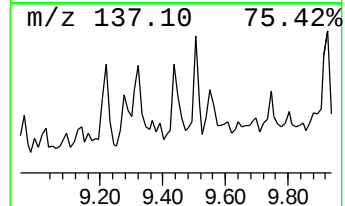
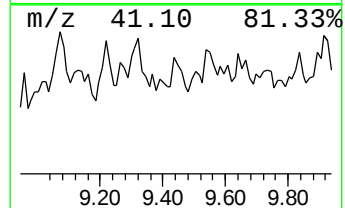
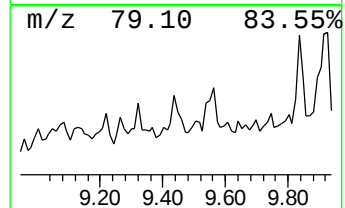
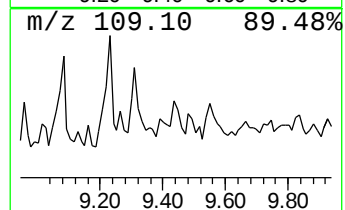
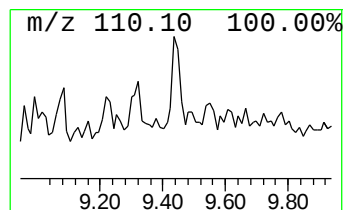
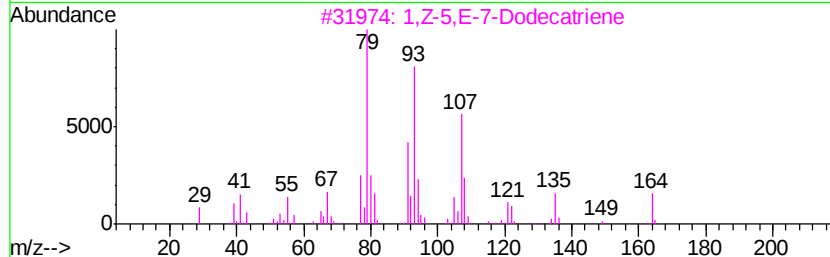
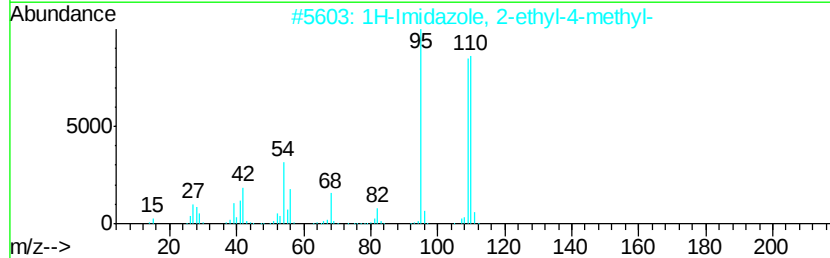
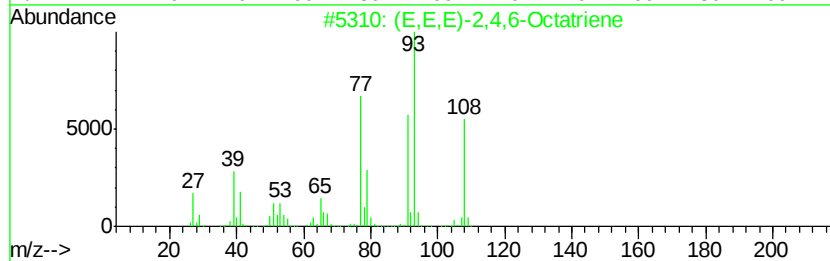
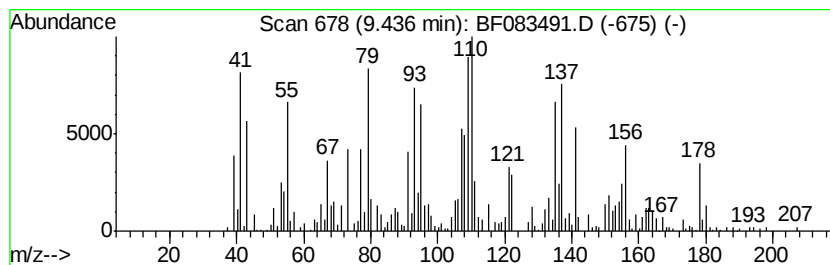
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown9.44 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	8.16 ng	927632	Acenaphthene-d10	9.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E,E,E)-2,4,6-Octatriene	108	C8H12	015192-80-0	25
2		1H-Imidazole, 2-ethyl-4-methyl-	110	C6H10N2	000931-36-2	25
3		1,Z-5,E-7-Dodecatriene	164	C12H20	083085-83-0	25
4		Cyclohexanol, 2-methylene-3-(1-m...	196	C12H20O2	054845-30-6	25
5		E,Z-3-Ethylidenecyclohexene	108	C8H12	016631-62-2	25



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Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
Operator : UM/IZ
Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

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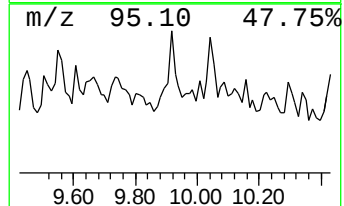
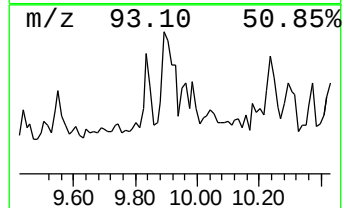
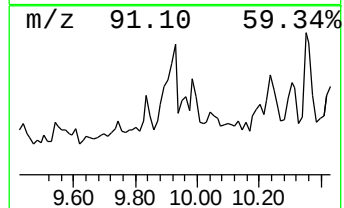
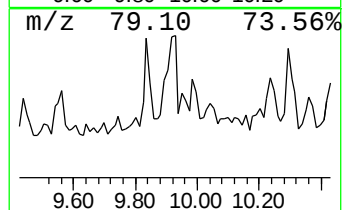
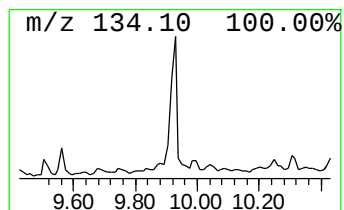
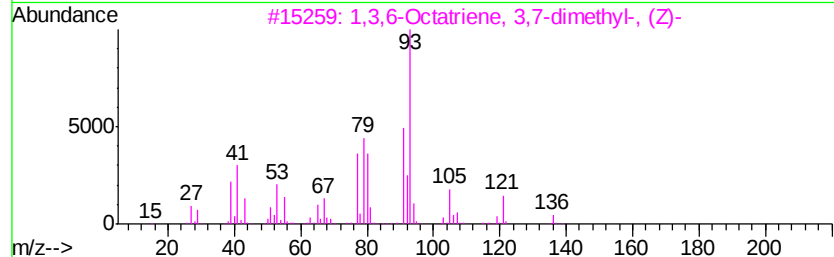
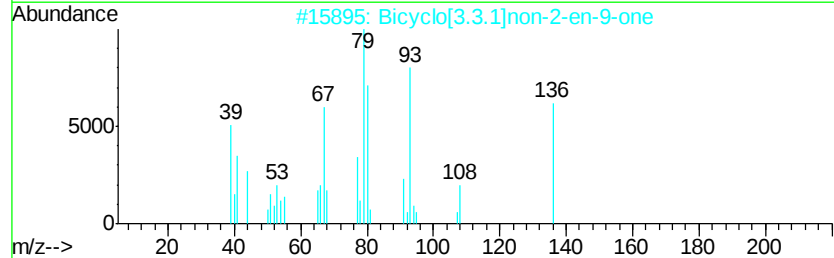
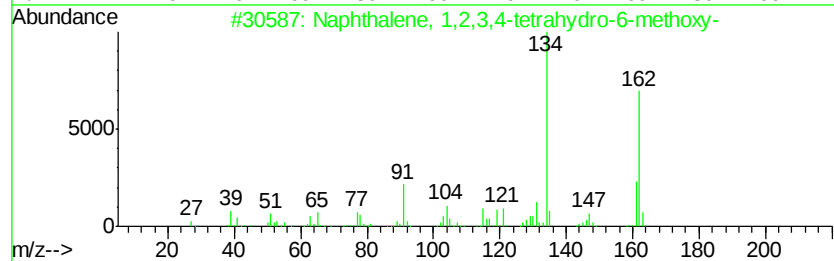
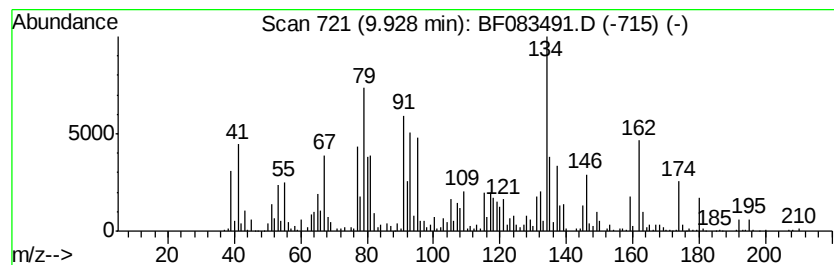
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown9.93 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	20.63 ng	2344850	Acenaphthene-d10	9.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	162	C11H14O	001730-48-9	35
2		Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	18
3		1,3,6-Octatriene, 3,7-dimethyl-, ...	136	C10H16	003338-55-4	15
4		1,3,6-Heptatriene, 5-methyl-, (E)-	108	C8H12	000818-48-4	14
5		Bicyclo[4.2.0]oct-7-ene	108	C8H12	000616-10-4	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
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Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

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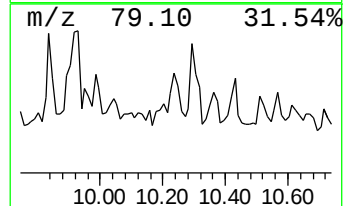
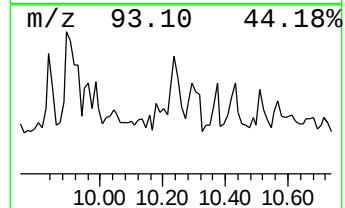
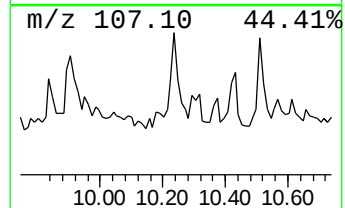
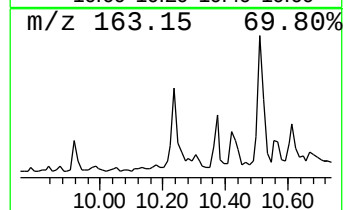
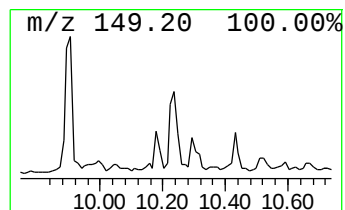
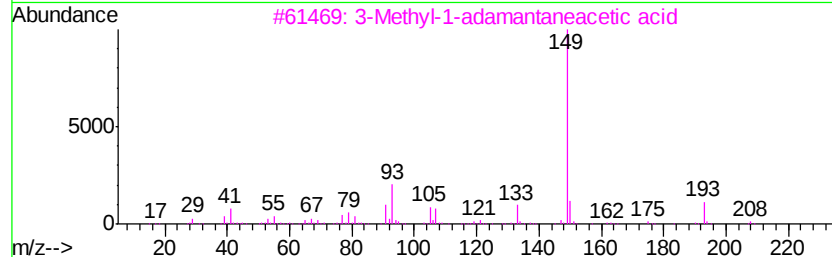
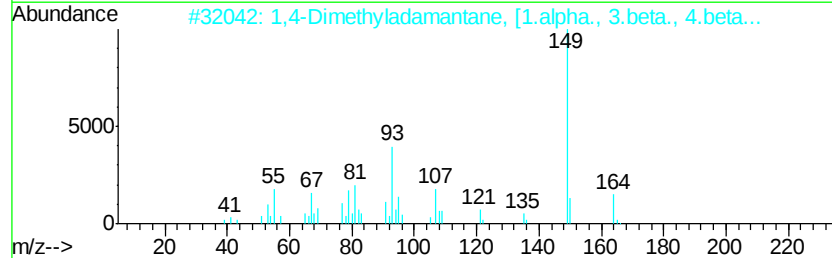
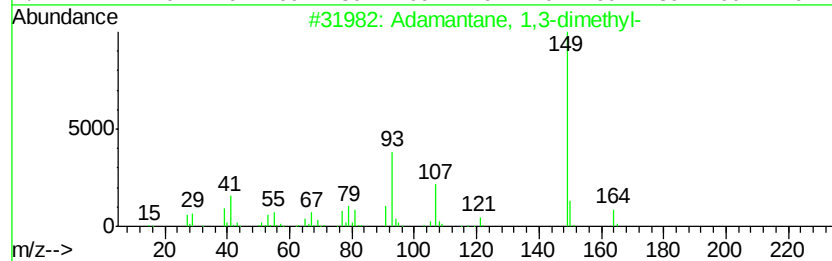
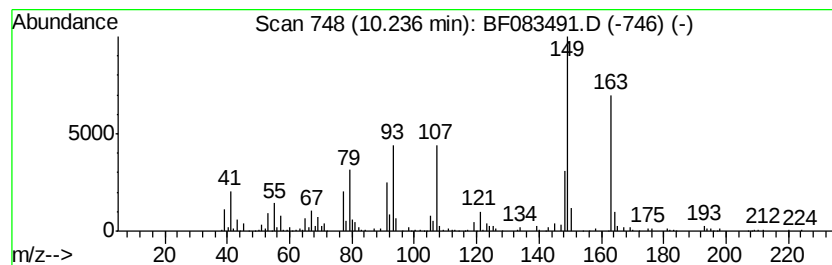
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown10.24 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	7.77 ng	883582	Acenaphthene-d10	9.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	47
2		1,4-Dimethyladamantane, [1.alpha...	164	C12H20	024145-88-8	43
3		3-Methyl-1-adamantaneacetic acid	208	C13H20O2	014202-13-2	38
4		2'-Hydroxy-4',5'-dimethylacetoph...	164	C10H12O2	036436-65-4	35
5		Myrtene acid bromide	228	C10H13BrO	1000159-35-0	32



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
Operator : UM/IZ
Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

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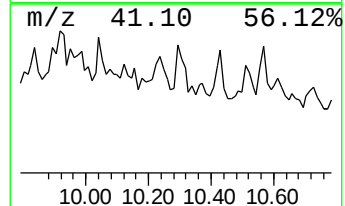
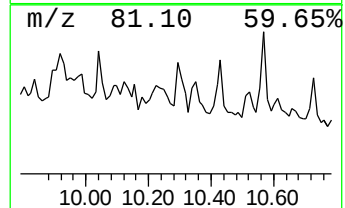
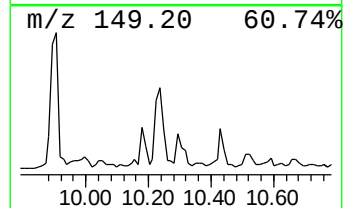
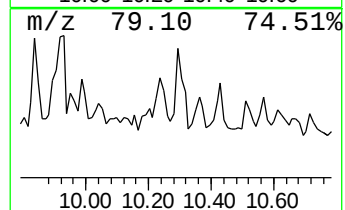
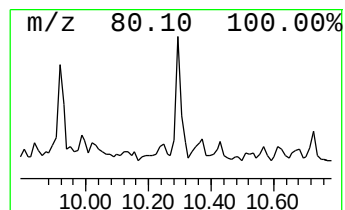
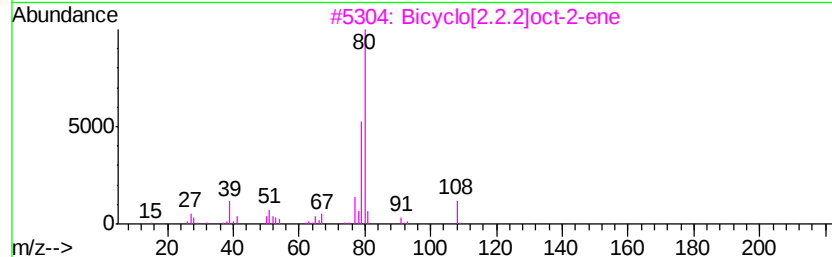
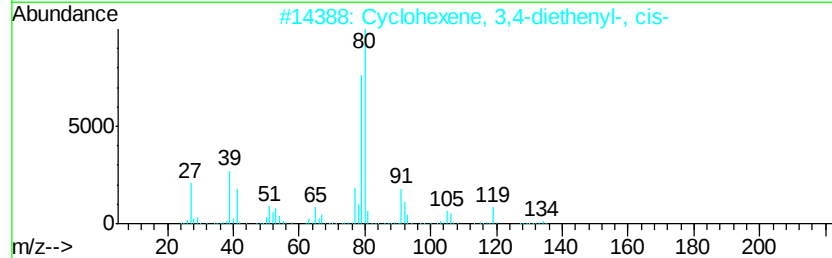
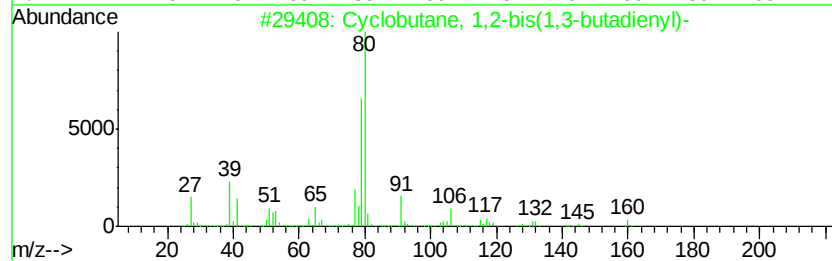
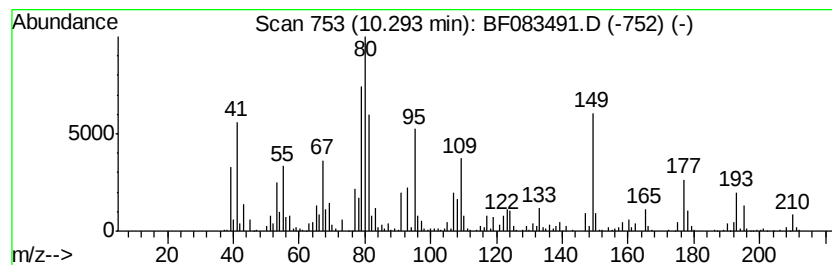
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclobutane, 1,2-bis(1,3-bu... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	8.81 ng	1000850	Acenaphthene-d10	9.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclobutane, 1,2-bis(1,3-butadie...	160	C12H16	080344-53-2	62
2		Cyclohexene, 3,4-diethenyl-, cis-	134	C10H14	061222-40-0	58
3		Bicyclo[2.2.2]oct-2-ene	108	C8H12	000931-64-6	53
4		Bicyclo[2.2.2]oct-5-en-2-one	122	C8H10O	002220-40-8	53
5		2-Hexen-4-yne, (E)-	80	C6H8	033625-96-6	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
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Acq On : 4 Dec 2015 7:01
Operator : UM/IZ
Sample : G4588-07
Misc :
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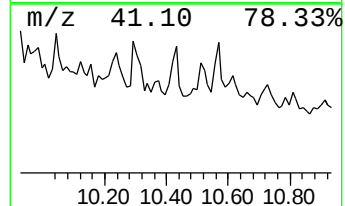
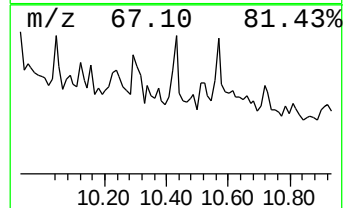
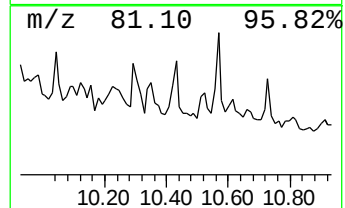
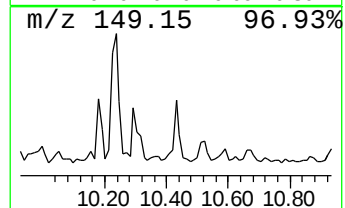
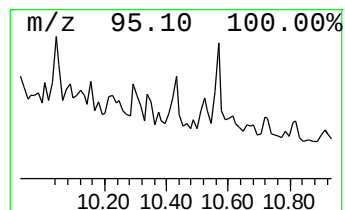
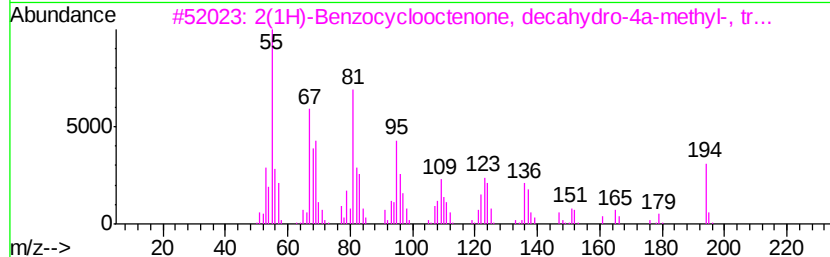
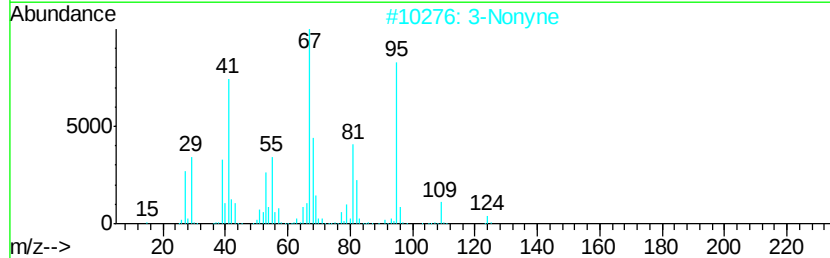
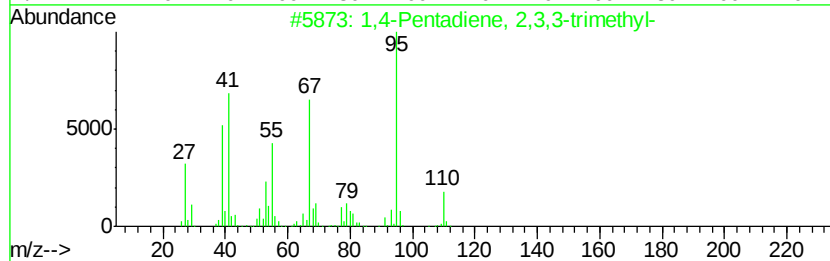
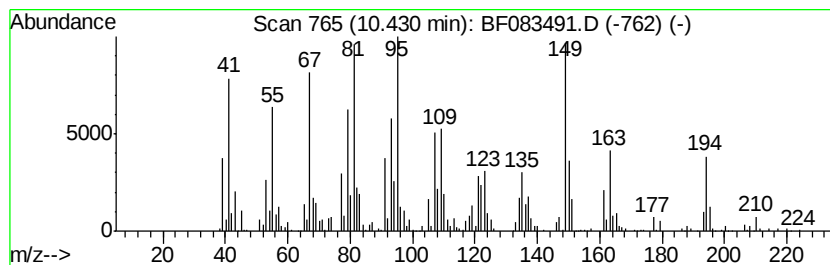
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown10.43 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.43	16.55 ng	906401	Phenanthrene-d10	11.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	35
2	3-Nonyne	124	C9H16	020184-89-8	25
3	2(1H)-Benzocyclooctenone, decahy...	194	C13H22O	055103-66-7	25
4	2(1H)-Pyridinone	95	C5H5NO	000142-08-5	18
5	trans,trans-3,5-Heptadien-2-one	110	C7H10O	018402-90-9	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083491.D
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Instrument :
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ClientSampleId :
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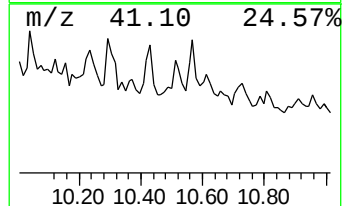
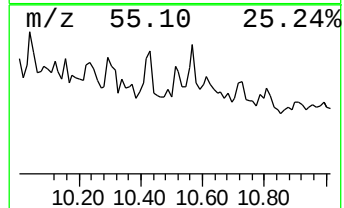
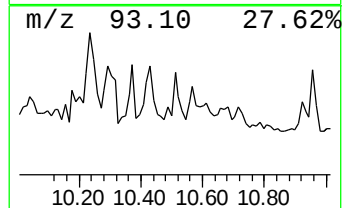
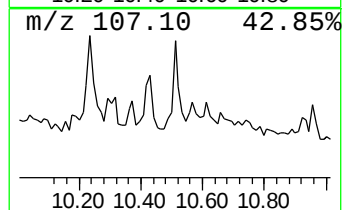
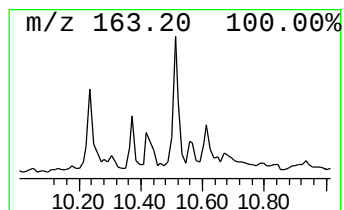
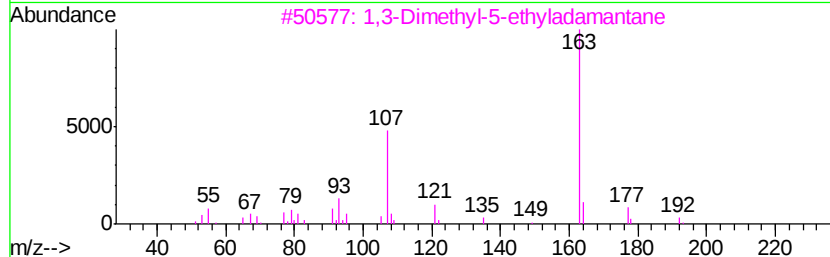
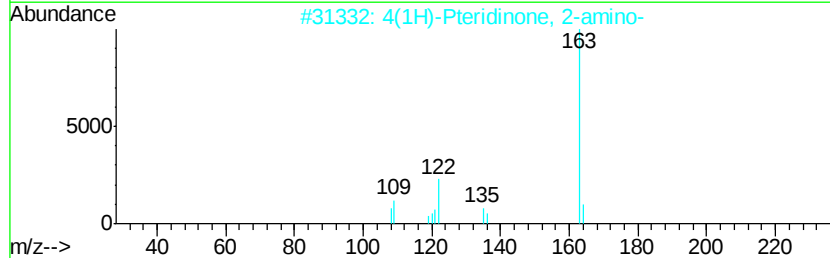
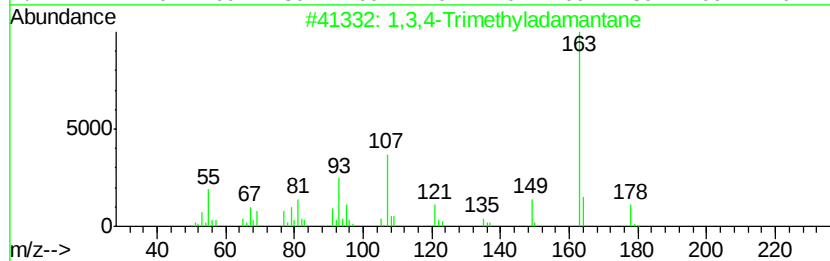
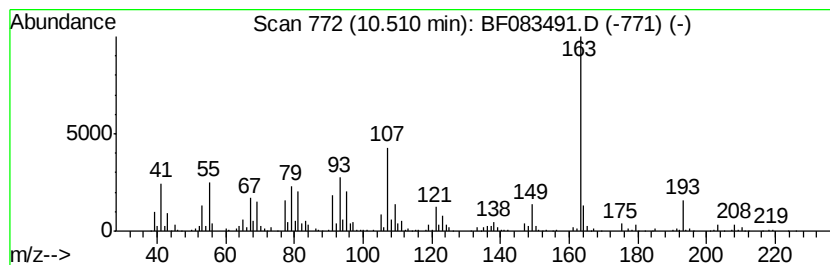
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,3,4-Trimethyladamantane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	10.94 ng	598999	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	72
2		4(1H)-Pteridinone, 2-amino-	163	C6H5N5O	002236-60-4	59
3		1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	53
4		Propanal, 2-(4-ethoxyphenyl)-2-m...	192	C12H16O2	093622-71-0	45
5		1,3,6-Trimethyladamantane	178	C13H22	024139-37-5	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
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Sample : G4588-07
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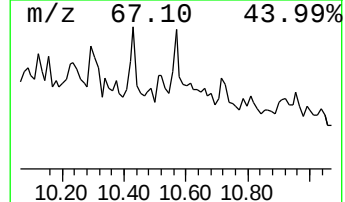
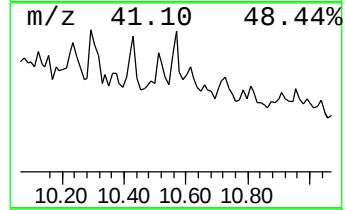
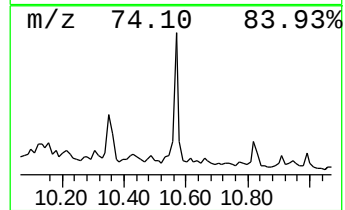
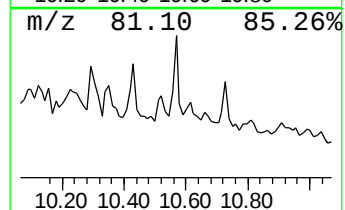
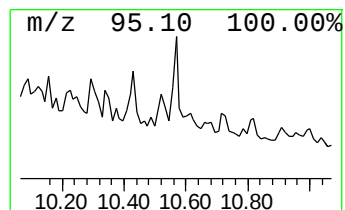
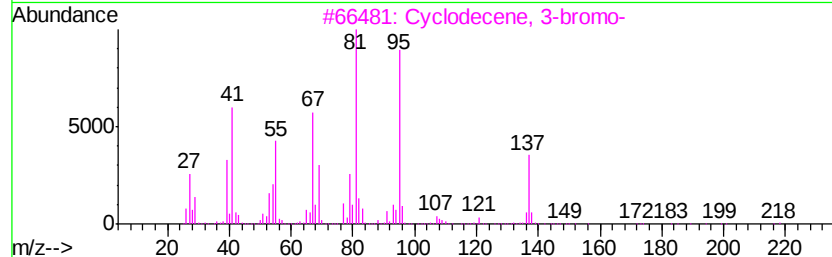
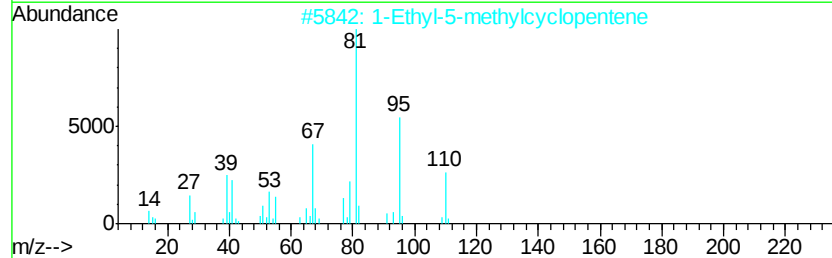
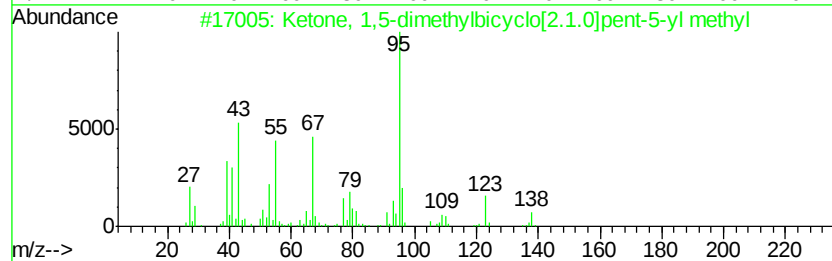
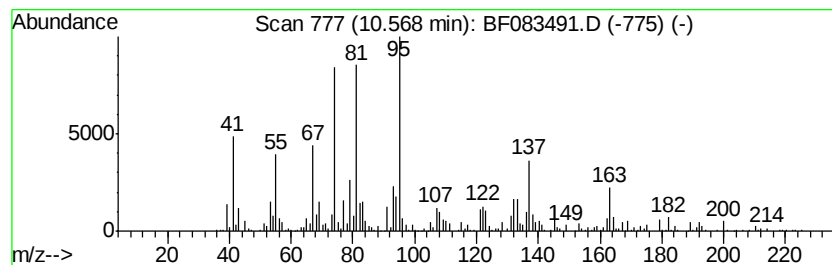
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown10.57 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	16.02 ng	877551	Phenanthrene-d10	11.10
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Ketone, 1,5-dimethylbicyclo[2.1....	138 C9H14O	024081-57-0 35
2		1-Ethyl-5-methylcyclopentene	110 C8H14	097797-57-4 35
3		Cyclodecene, 3-bromo-	216 C10H17Br	056325-56-5 35
4		Cyclopentane, (3-methylbutylidene)-	138 C10H18	053366-51-1 30
5		Cyclopentane, 1,3-dimethyl-2-(1-...	138 C10H18	061142-31-2 25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
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Acq On : 4 Dec 2015 7:01
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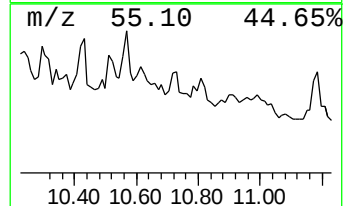
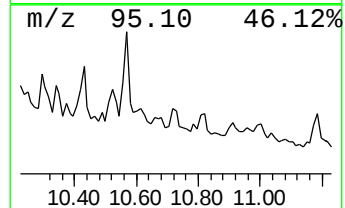
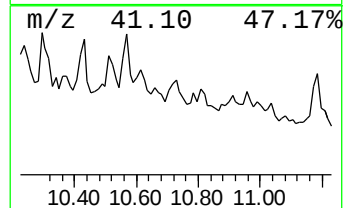
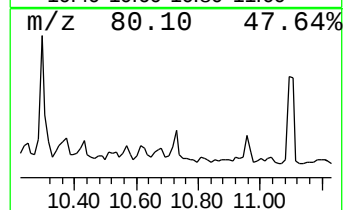
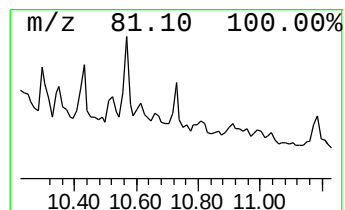
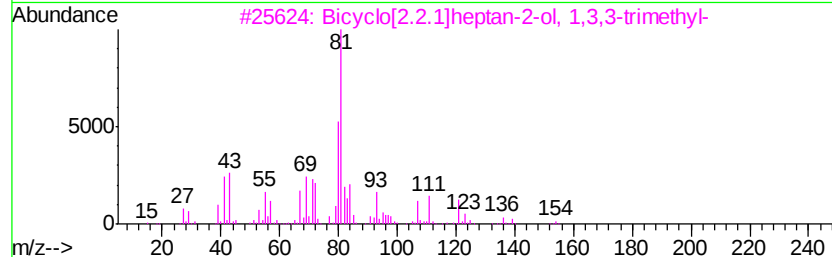
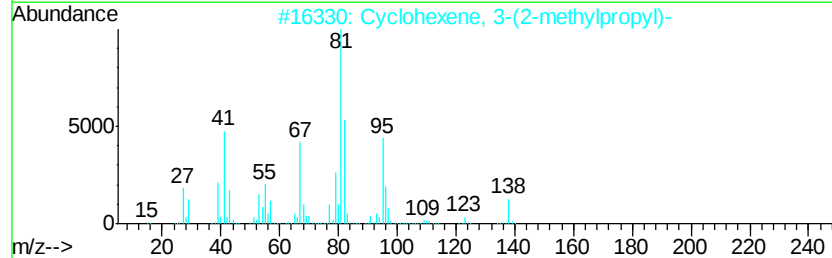
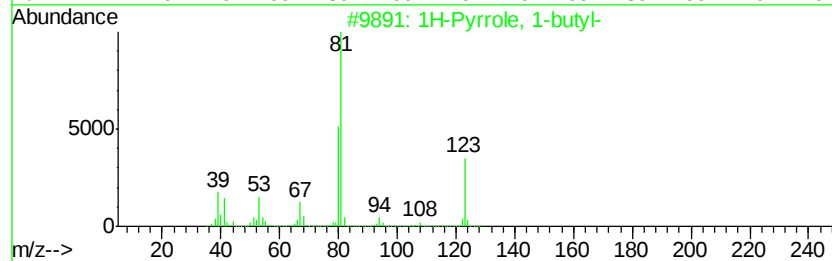
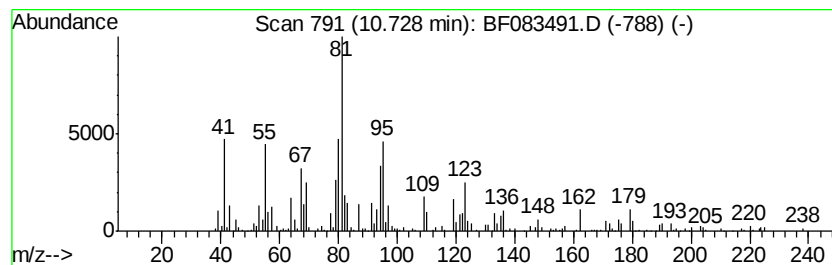
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown10.73 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	10.13 ng	554964	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrrole, 1-butyl-	123	C8H13N	000589-33-3	49
2		Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	45
3		Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	43
4		Bicyclo[3.3.1]nonan-9-ol	140	C9H16O	015598-80-8	38
5		Methyl ethyl cyclopentene	110	C8H14	019780-56-4	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083491.D
Acq On : 4 Dec 2015 7:01
Operator : UM/IZ
Sample : G4588-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-02

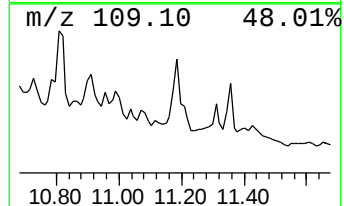
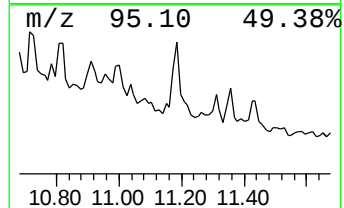
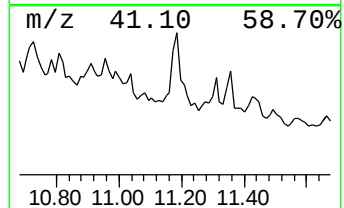
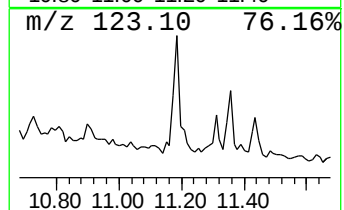
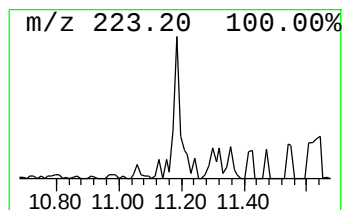
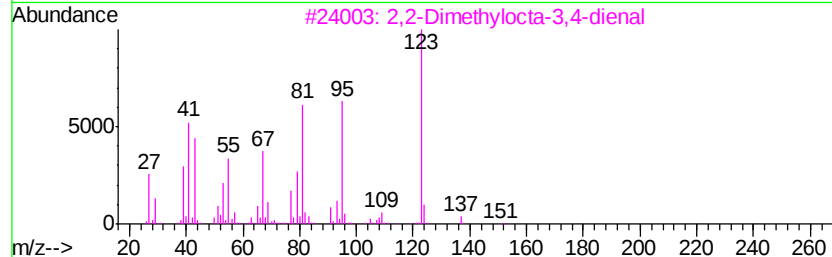
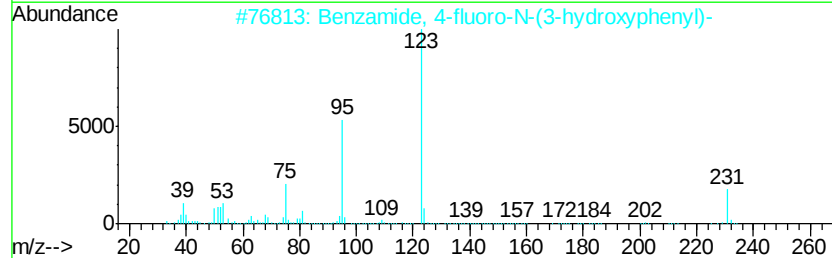
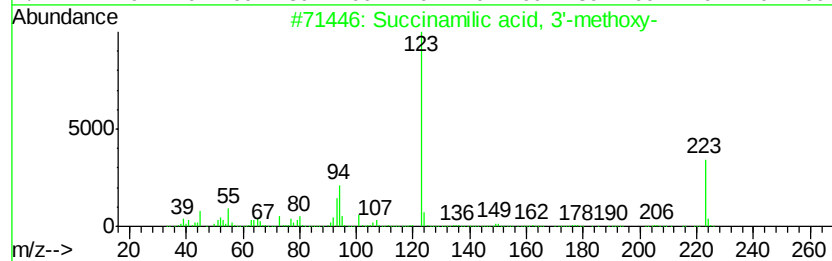
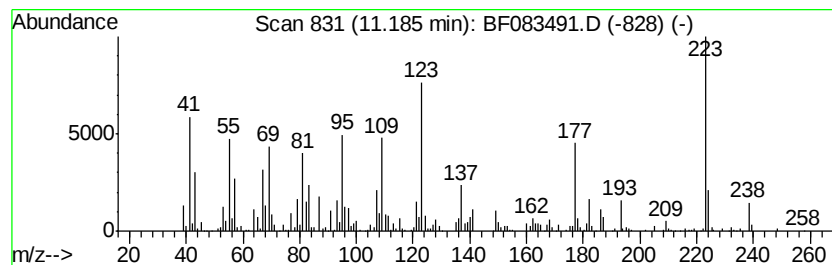
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown11.18 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	11.33 ng	620615	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Succinamic acid, 3'-methoxy-	223	C11H13N04	016141-44-9	35
2		Benzamide, 4-fluoro-N-(3-hydroxy...	231	C13H10FN02	142057-26-9	22
3		2,2-Dimethylocta-3,4-dienal	152	C10H16O	000590-71-6	22
4		1,4,4-Trimethylcyclohex-2-enecar...	182	C11H18O2	1000187-21-8	20
5		4,6-di-t-Butylpyrogallol	238	C14H22O3	003934-77-8	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
 Data File : BF083491.D
 Acq On : 4 Dec 2015 7:01
 Operator : UM/IZ
 Sample : G4588-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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...	4.64	11.6	ng	619426	1	6.52	1064120	20.0
unknown6.30	6.30	89.3	ng	4751620	1	6.52	1064120	20.0
unknown7.87	7.87	9.9	ng	643626	2	7.81	1303180	20.0
unknown8.27	8.27	11.9	ng	778672	2	7.81	1303180	20.0
1-Adamantanol	8.35	8.7	ng	569094	2	7.81	1303180	20.0
2(1H)-Naphthaleno...	8.59	11.2	ng	726609	2	7.81	1303180	20.0
Naphthalene, deca...	8.84	10.7	ng	1215300	3	9.56	2273280	20.0
3,5-Dimethyl-1-ad...	9.08	10.2	ng	1158040	3	9.56	2273280	20.0
unknown9.22	9.22	8.7	ng	987597	3	9.56	2273280	20.0
unknown9.44	9.44	8.2	ng	927632	3	9.56	2273280	20.0
unknown9.93	9.93	20.6	ng	2344850	3	9.56	2273280	20.0
unknown10.24	10.24	7.8	ng	883582	3	9.56	2273280	20.0
Cyclobutane, 1,2-...	10.29	8.8	ng	1000850	3	9.56	2273280	20.0
unknown10.43	10.43	16.6	ng	906401	4	11.10	1095490	20.0
1,3,4-Trimethylad...	10.51	10.9	ng	598999	4	11.10	1095490	20.0
unknown10.57	10.57	16.0	ng	877551	4	11.10	1095490	20.0
unknown10.73	10.73	10.1	ng	554964	4	11.10	1095490	20.0
unknown11.18	11.18	11.3	ng	620615	4	11.10	1095490	20.0