

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
 Data File : BG023360.D
 Acq On : 30 Jul 2016 16:48
 Operator : UM/SJ
 Sample : H4176-22
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-22-14.5-15.0

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_G\METHODS\8270-BG072616.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	3.766	146	158	167	rBV5	114106	268913	2.27%	0.120%
2	4.441	266	273	277	rBV3	187599	344143	2.90%	0.153%
3	4.477	277	279	287	rVB	123437	182568	1.54%	0.081%
4	4.582	292	297	305	rVB3	118121	240386	2.03%	0.107%
5	4.735	318	323	330	rVB2	151863	269851	2.28%	0.120%
6	4.817	332	337	341	rBV3	106117	185911	1.57%	0.083%
7	5.017	364	371	377	rVB2	110680	200494	1.69%	0.089%
8	5.193	393	401	405	rBV2	572434	1039489	8.77%	0.462%
9	5.234	405	408	412	rVV	265212	368154	3.11%	0.164%
10	5.287	412	417	423	rVV	720512	1152050	9.72%	0.512%
11	5.352	423	428	431	rVB2	159157	246384	2.08%	0.110%
12	5.440	440	443	447	rVB	151476	199836	1.69%	0.089%
13	5.528	453	458	468	rVB2	548543	1081135	9.12%	0.481%
14	5.675	474	483	489	rBV	3013003	5186230	43.77%	2.306%
15	5.781	495	501	513	rVB6	225771	625775	5.28%	0.278%
16	5.904	513	522	528	rBV2	301001	567179	4.79%	0.252%
17	5.975	528	534	543	rBV4	884108	2066406	17.44%	0.919%
18	6.057	543	548	552	rBV2	637938	1054769	8.90%	0.469%
19	6.121	556	559	567	rVB	397316	704965	5.95%	0.313%
20	6.198	567	572	581	rBV5	481967	1038332	8.76%	0.462%
21	6.274	581	585	594	rVB5	115112	289753	2.45%	0.129%
22	6.362	594	600	608	rBV4	1242245	3068248	25.89%	1.364%
23	6.492	616	622	632	rBV4	513687	1249005	10.54%	0.555%
24	6.621	632	644	647	rBV5	735013	2293710	19.36%	1.020%
25	6.656	647	650	655	rVV	1126193	1815619	15.32%	0.807%
26	6.709	655	659	661	rVV4	616538	1066192	9.00%	0.474%
27	6.744	661	665	672	rVV6	1086430	3177735	26.82%	1.413%
28	6.803	672	675	681	rVV4	696595	1372532	11.58%	0.610%
29	6.862	681	685	691	rVB4	436759	781291	6.59%	0.347%
30	6.926	691	696	702	rVB3	930973	1665039	14.05%	0.740%
31	7.003	702	709	717	rBV9	466671	1381490	11.66%	0.614%
32	7.079	717	722	723	rVV2	354961	517961	4.37%	0.230%
33	7.102	723	726	730	rVV5	444055	899254	7.59%	0.400%
34	7.149	730	734	740	rVV3	493168	1071623	9.04%	0.477%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.208	740	744	748	rVV2	506113	733813	6.19%	0.326%
36	7.285	748	757	767	rVB3	2699852	8511715	71.83%	3.785%
37	7.402	772	777	779	rBV2	765452	1218221	10.28%	0.542%
38	7.443	780	784	790	rVB5	1341669	2717636	22.93%	1.208%
39	7.508	790	795	799	rBV2	1020139	1832522	15.46%	0.815%
40	7.566	799	805	808	rBV6	359029	751458	6.34%	0.334%
41	7.619	808	814	817	rBV5	1256675	2614609	22.06%	1.163%
42	7.666	817	822	830	rVB2	3763160	7380680	62.29%	3.282%
43	7.778	836	841	843	rBV2	511400	847000	7.15%	0.377%
44	7.801	843	845	849	rVV3	520549	746614	6.30%	0.332%
45	7.848	849	853	858	rVV6	692876	1260871	10.64%	0.561%
46	7.948	864	870	877	rBV4	1746670	3513872	29.65%	1.563%
47	8.054	877	888	892	rBV3	2089956	5209942	43.97%	2.317%
48	8.101	892	896	899	rBV	1064723	1616527	13.64%	0.719%
49	8.201	910	913	918	rVB4	1051906	1726120	14.57%	0.768%
50	8.260	918	923	926	rBV4	758991	1541773	13.01%	0.686%
51	8.307	926	931	937	rVB4	2197650	4662600	39.35%	2.073%
52	8.371	937	942	946	rBV4	1246599	2611345	22.04%	1.161%
53	8.418	946	950	953	rVV4	1460622	2465916	20.81%	1.097%
54	8.465	953	958	964	rVB3	2745062	5630875	47.52%	2.504%
55	8.694	988	997	1001	rBV4	1277367	3124972	26.37%	1.390%
56	8.877	1024	1028	1032	rBV5	991792	1979063	16.70%	0.880%
57	9.017	1042	1052	1062	rBV7	1978974	8188140	69.10%	3.641%
58	9.247	1080	1091	1096	rBV5	3364143	11333904	95.65%	5.040%
59	9.323	1098	1104	1114	rVV3	3654397	11849609	100.00%	5.269%
60	9.405	1115	1118	1123	rVB5	1263973	2210490	18.65%	0.983%
61	9.499	1123	1134	1142	rBV8	2905858	8970228	75.70%	3.989%
62	9.617	1149	1154	1160	rVB6	1952842	4030283	34.01%	1.792%
63	9.687	1160	1166	1170	rBV5	1322446	3036602	25.63%	1.350%
64	9.840	1187	1192	1195	rBV3	1553755	2887862	24.37%	1.284%
65	9.881	1195	1199	1209	rVB4	2649897	6652956	56.14%	2.958%
66	10.004	1215	1220	1221	rBV4	953761	1555911	13.13%	0.692%
67	10.145	1239	1244	1248	rBV3	2548490	4408516	37.20%	1.960%
68	10.239	1257	1260	1262	rBV4	716338	999881	8.44%	0.445%
69	10.933	1373	1378	1382	rBV7	1537198	3961113	33.43%	1.761%
70	11.185	1417	1421	1427	rBV4	2114619	3461390	29.21%	1.539%
71	11.990	1555	1558	1561	rBV	2304325	3025350	25.53%	1.345%

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72	12.031	1561	1565	1569	rVV2	3209524	4703705	39.70%	2.092%
73	13.429	1799	1803	1808	rVB	6208502	10036181	84.70%	4.463%
74	16.319	2291	2295	2302	rBV3	5567510	9266296	78.20%	4.121%
75	16.537	2328	2332	2338	rVB2	5885574	9585579	80.89%	4.263%
76	19.368	2811	2814	2819	rVB	3505843	4600640	38.83%	2.046%
77	20.185	2949	2953	2957	rVB	7807647	9741739	82.21%	4.332%

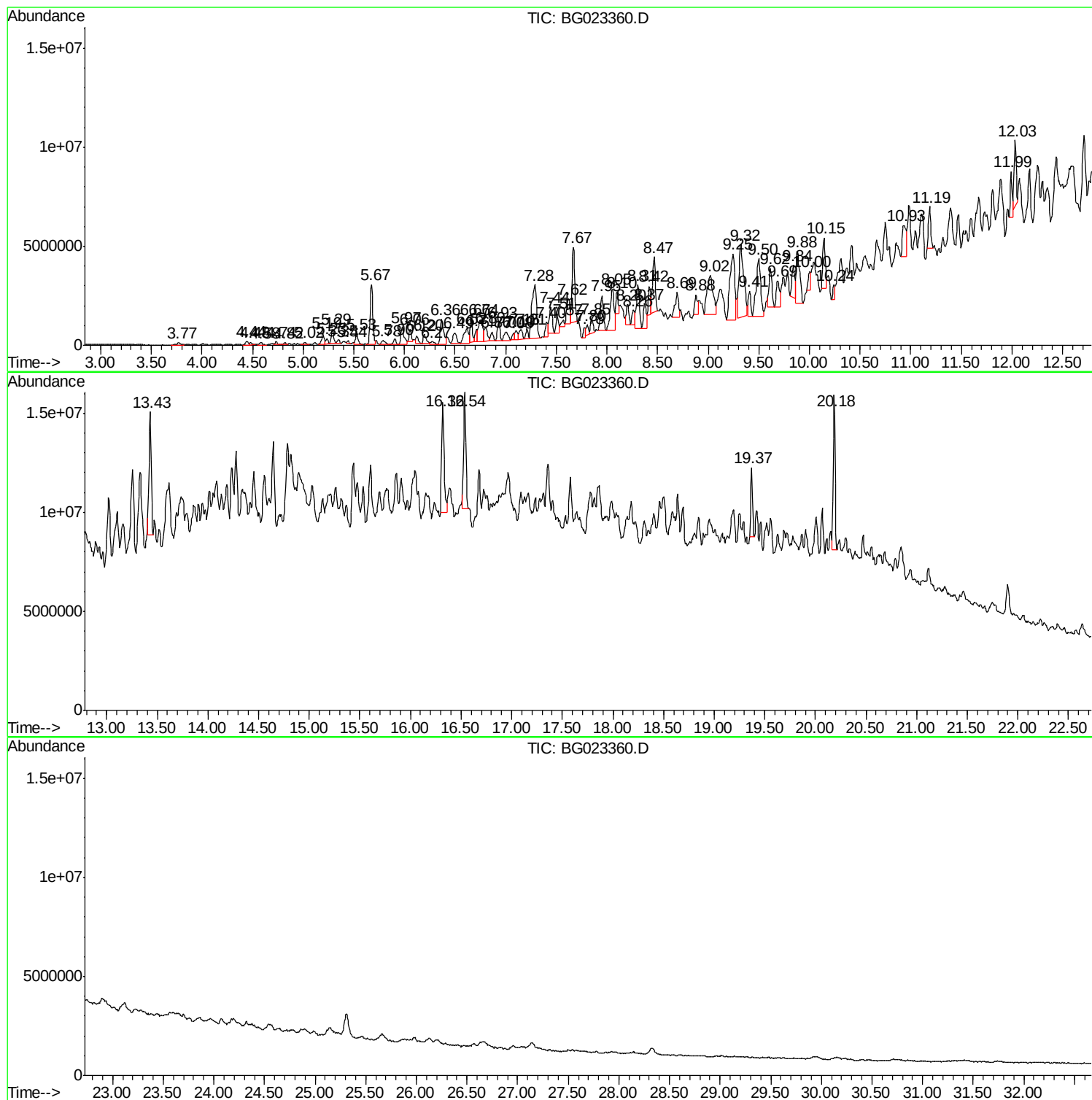
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Instrument :
BNA_G
ClientSampled :
GW-22-14.5-15.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :
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Instrument :
BNA_G
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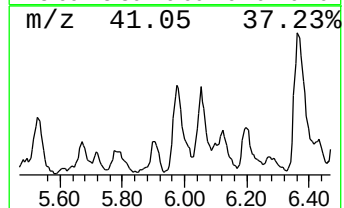
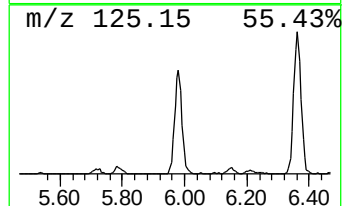
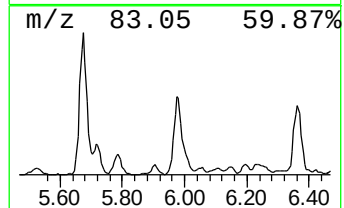
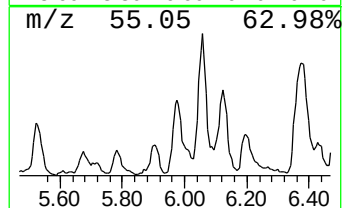
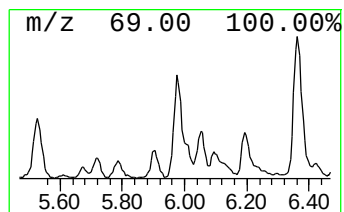
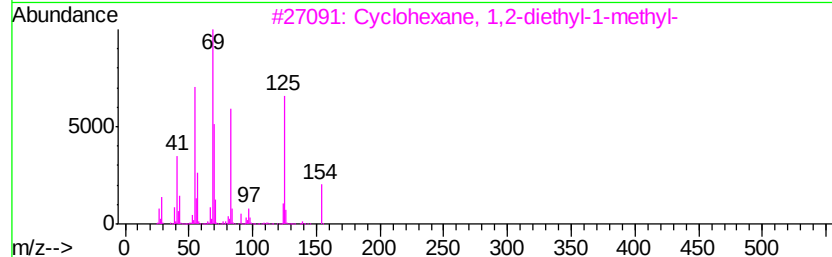
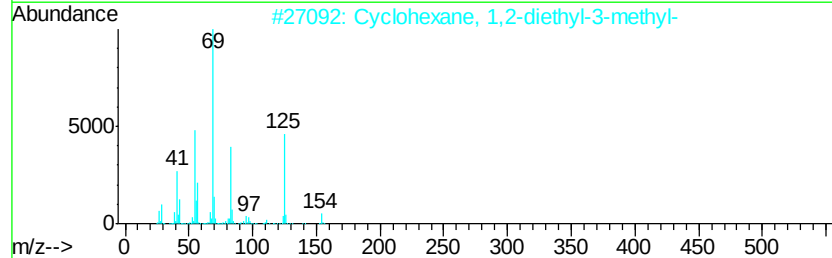
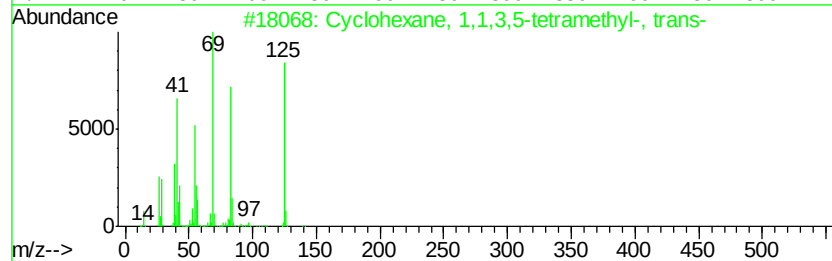
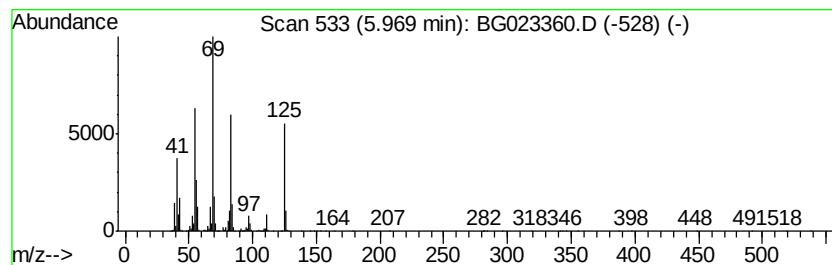
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, 1,1,3,5-tetram... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	25.57 ng	2066410	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	83
2		Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	78
3		Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	72
4		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	64
5		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	64



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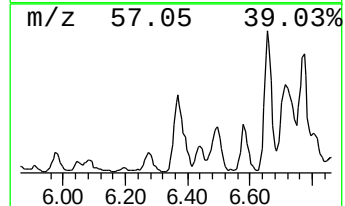
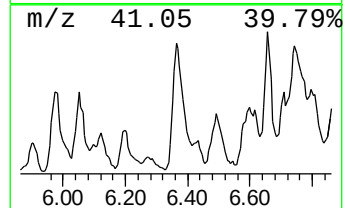
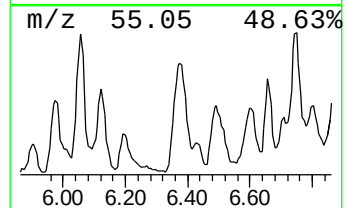
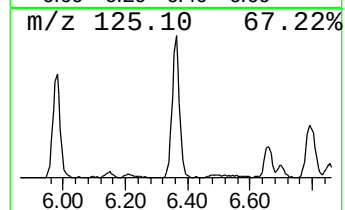
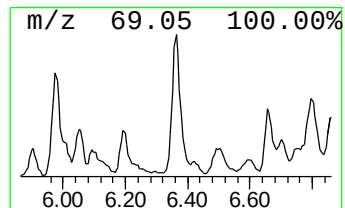
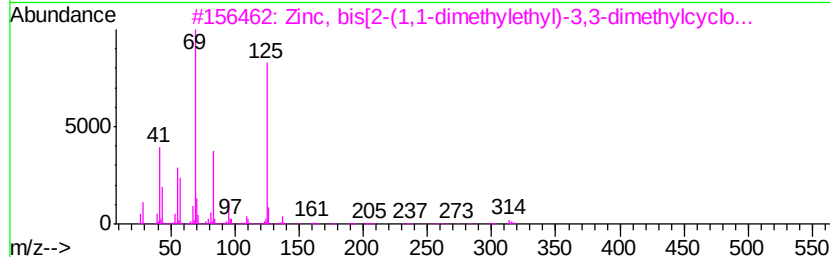
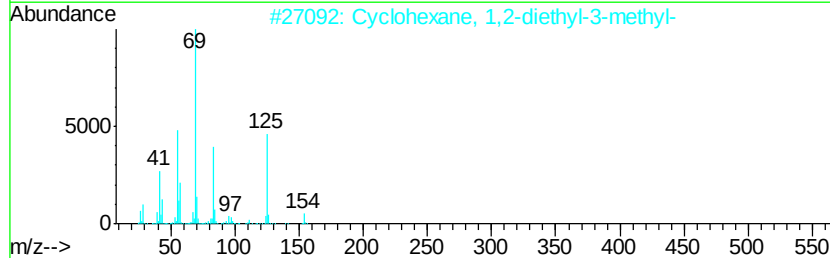
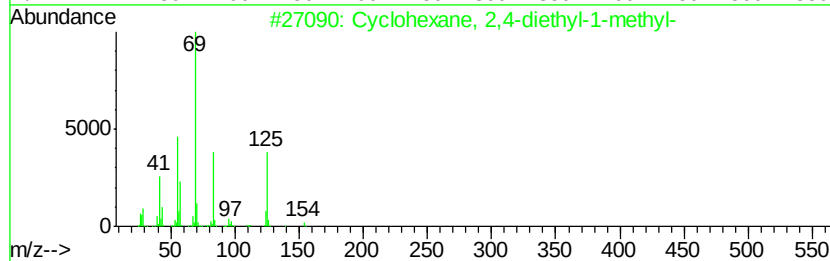
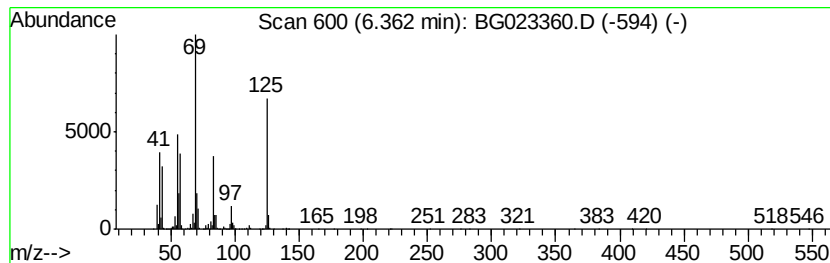
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 2,4-diethyl-1-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	37.96 ng	3068250	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	72
2		Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	64
3		Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	64
4		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	64
5		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	59



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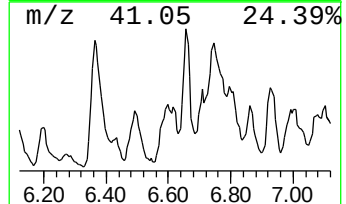
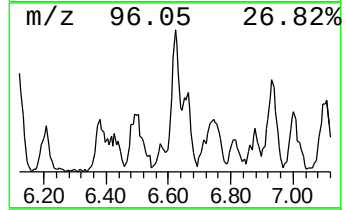
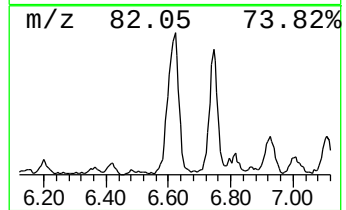
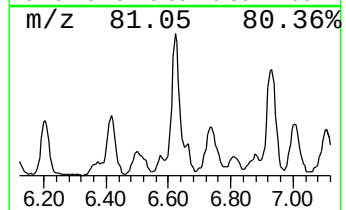
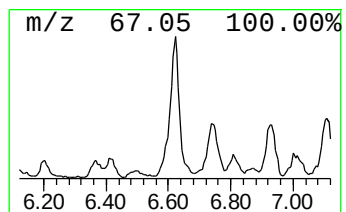
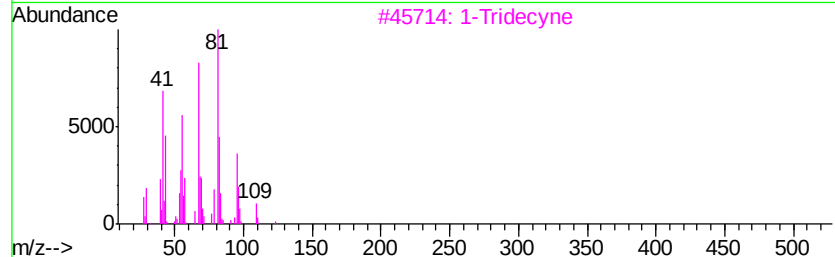
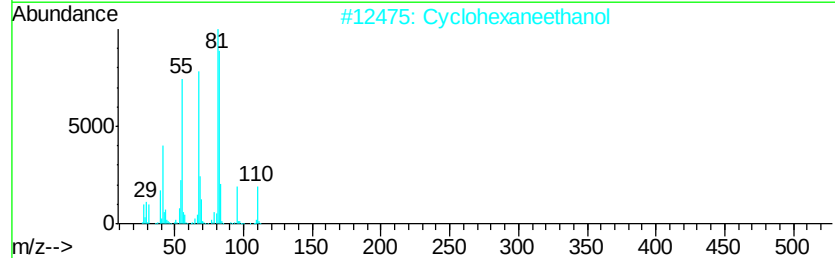
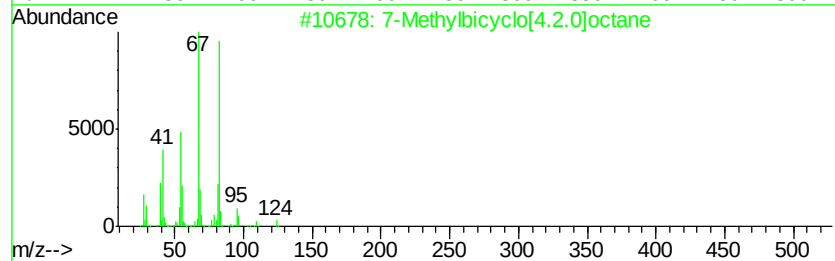
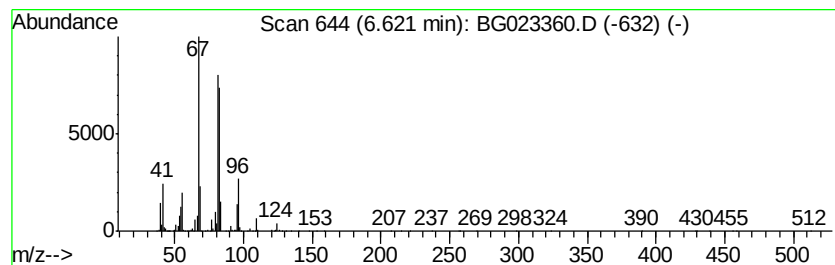
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 7-Methylbicyclo[4.2.0]octane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	28.38 ng	2293710	1,4-Dichlorobenzene-d4	8.14
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	7-Methylbicyclo[4.2.0]octane	124 C9H16	1000210-90-2	50
2	Cyclohexaneethanol	128 C8H16O	004442-79-9	50
3	1-Tridecyne	180 C13H24	026186-02-7	43
4	7-Methyl-1,6-octadiene	124 C9H16	042152-47-6	43
5	3-Aminocrotononitrile	82 C4H6N2	001118-61-2	43



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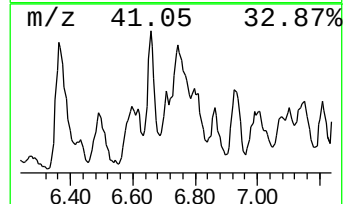
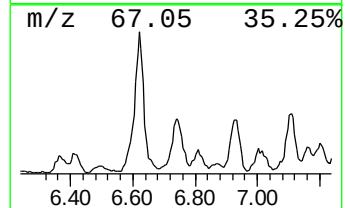
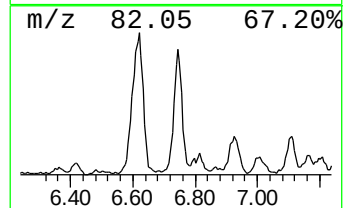
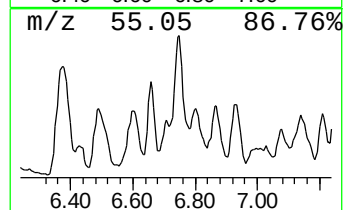
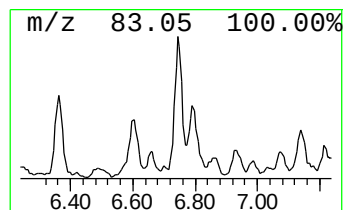
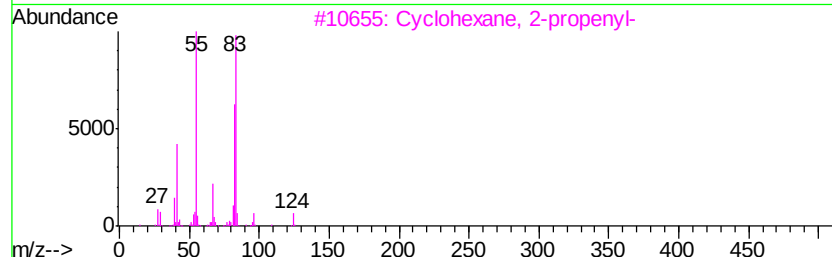
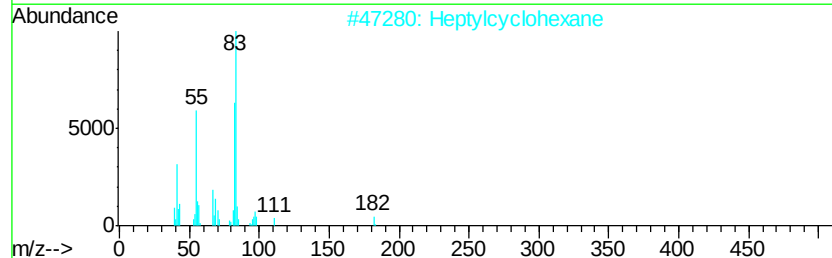
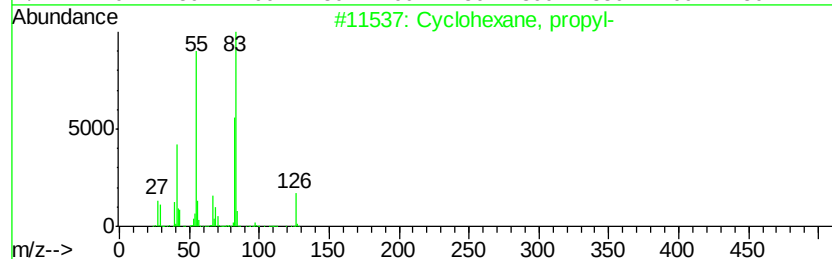
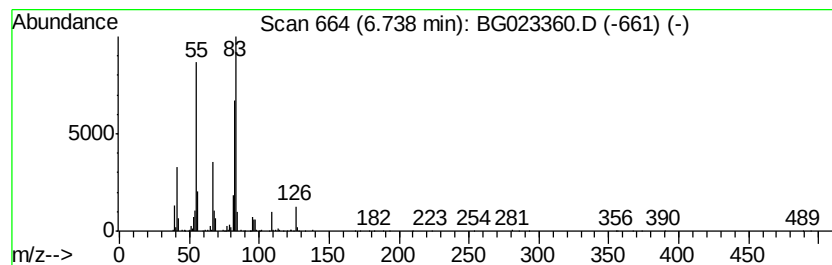
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Cyclohexane, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	39.32 ng	3177740	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
2		Heptylcyclohexane	182	C13H26	005617-41-4	59
3		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	59
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	59
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GW-22-14.5-15.0

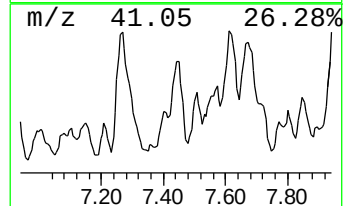
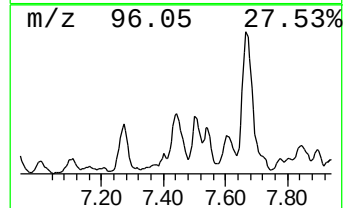
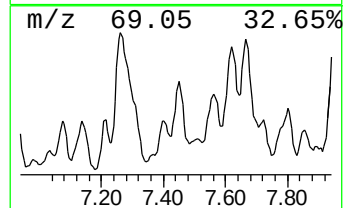
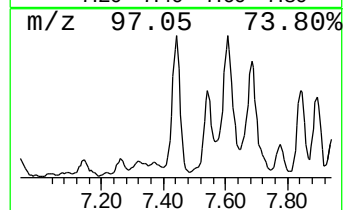
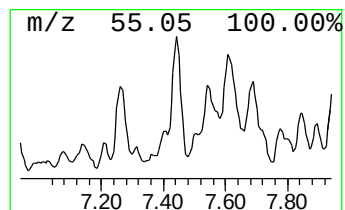
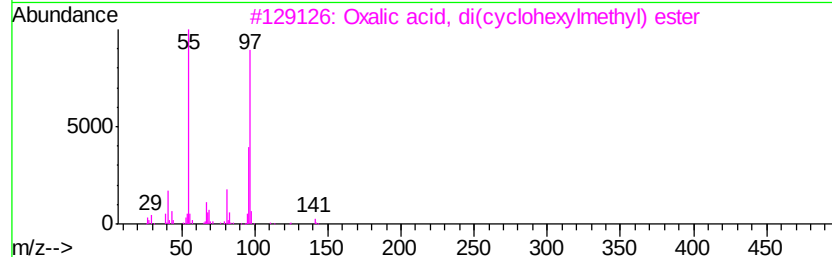
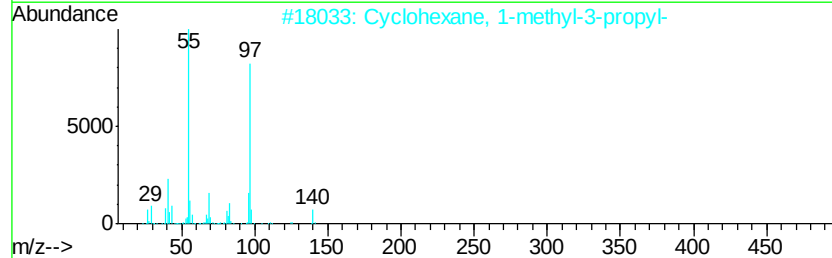
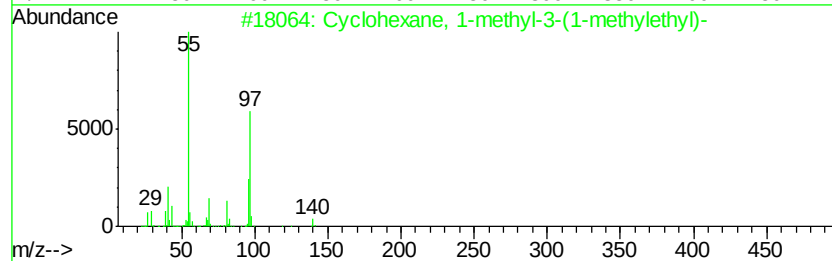
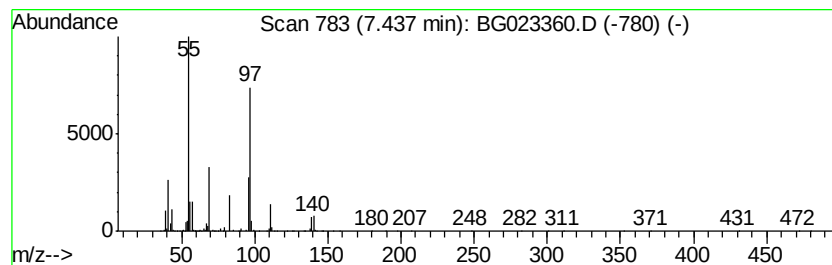
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, 1-methyl-3-(1-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	33.62 ng	2717640	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	59
2		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	58
3		Oxalic acid, di(cyclohexylmethyl)...	282	C16H26O4	1000309-68-5	50
4		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	45
5		Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	42



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
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ClientSampleId :
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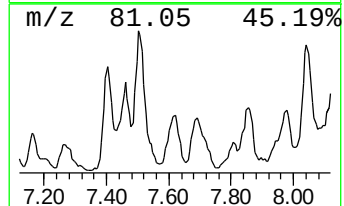
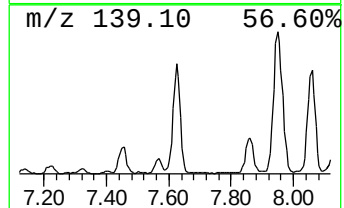
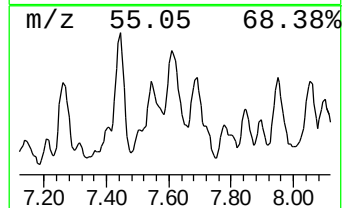
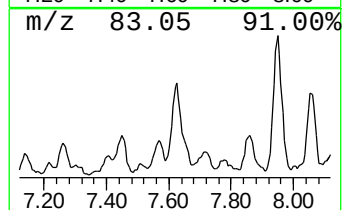
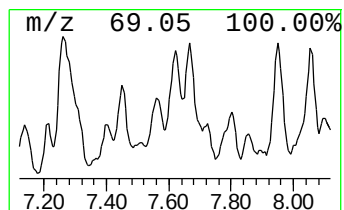
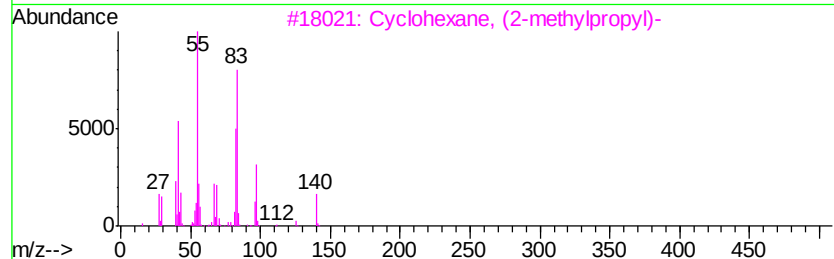
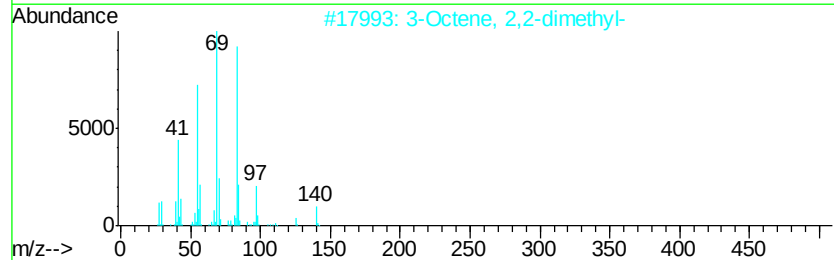
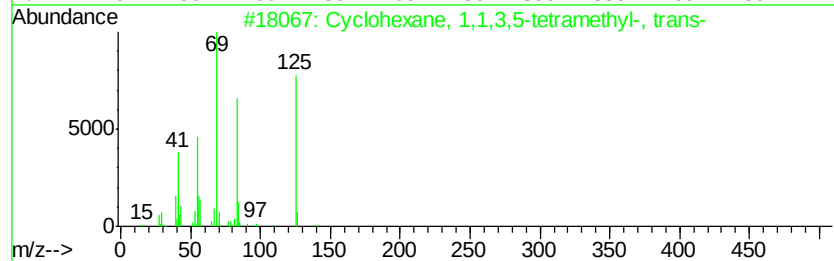
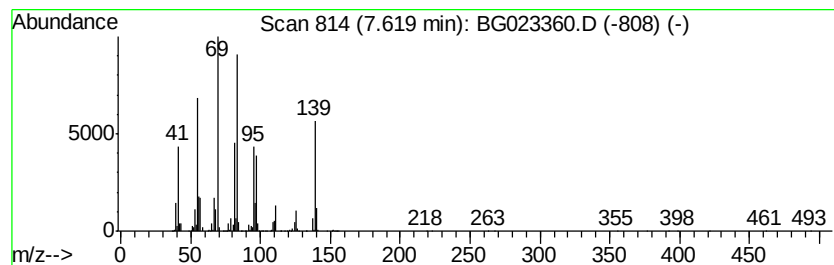
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.62 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	32.35 ng	2614610	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
2		3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	43
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
4		4H-Pyran-4-one, 2-methoxy-6-methyl-	140	C7H8O3	004225-42-7	30
5		1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

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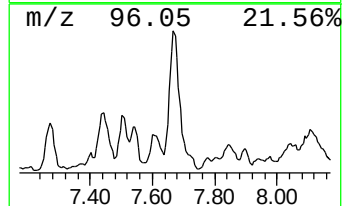
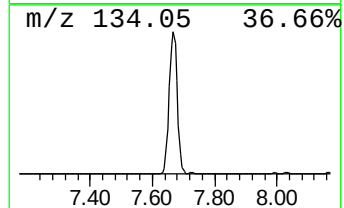
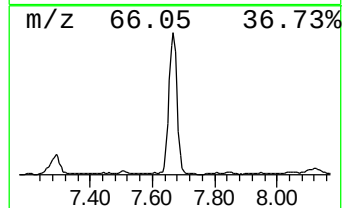
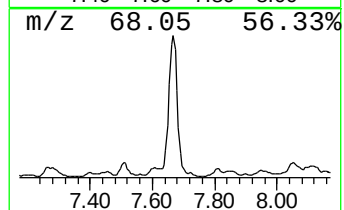
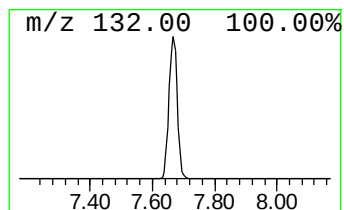
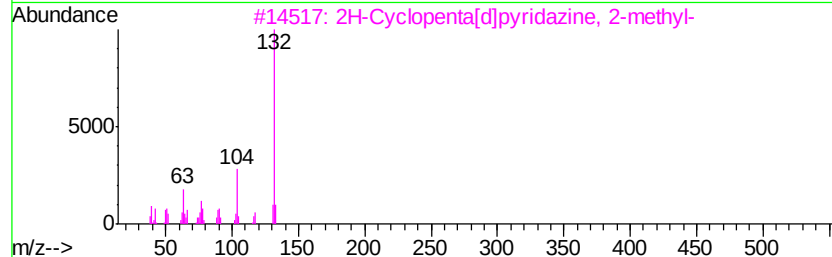
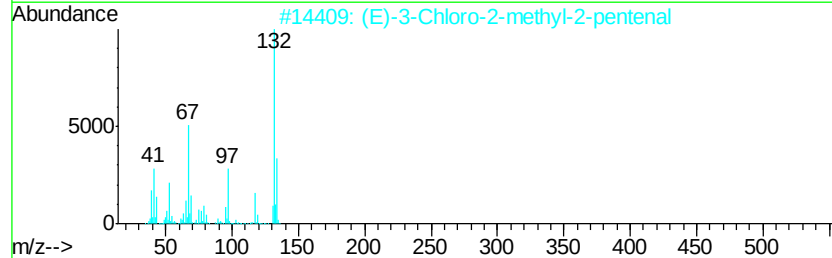
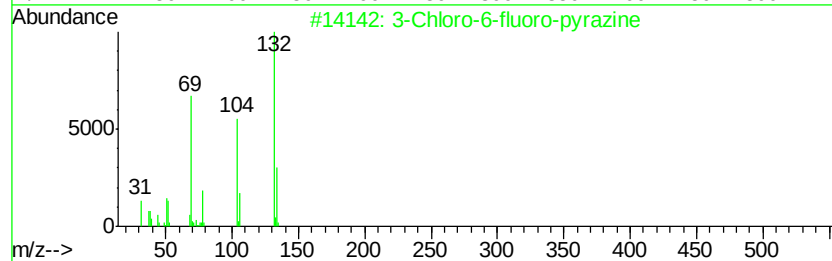
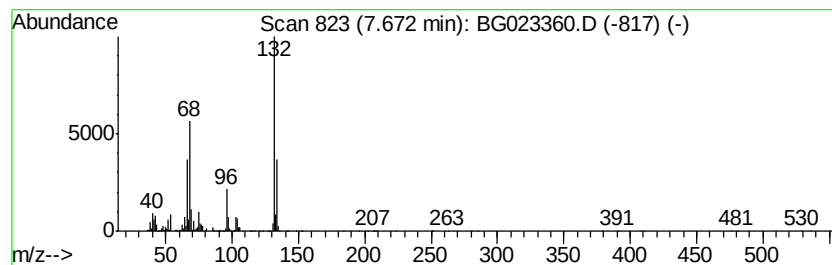
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.67 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	91.32 ng	7380680	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	14
3		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	10
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		5-Aminoindole	132	C8H8N2	005192-03-0	10



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

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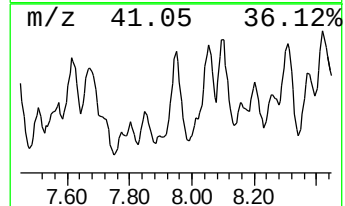
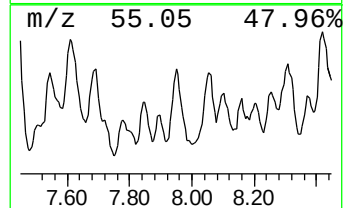
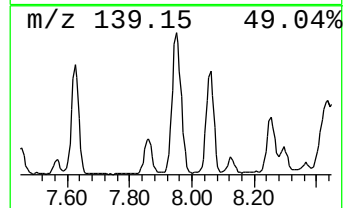
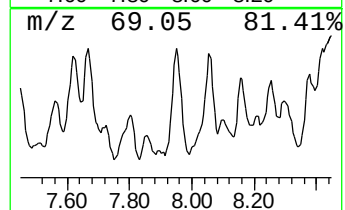
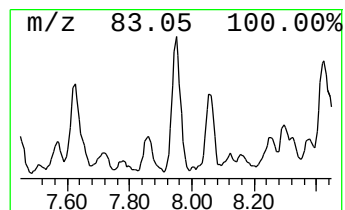
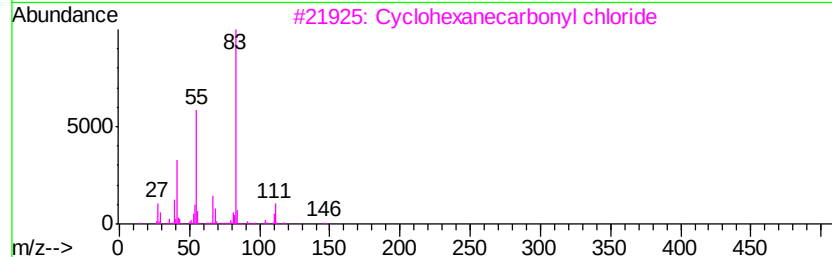
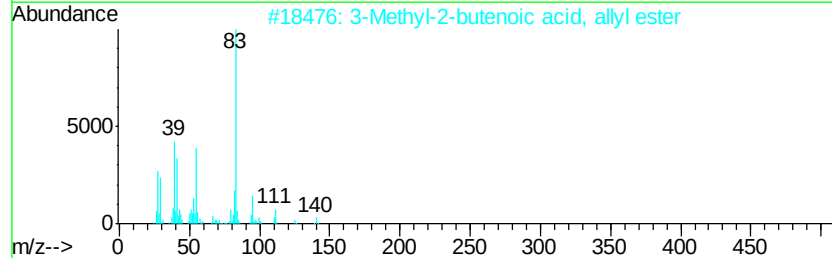
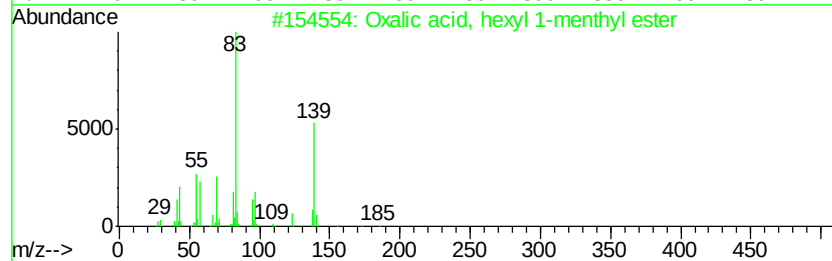
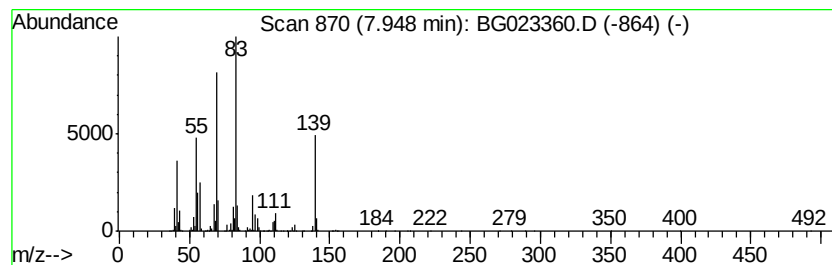
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown7.95 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	43.47 ng	3513870	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, hexyl 1-menthyl ester	312	C18H32O4	1000314-97-4	47
2		3-Methyl-2-butenic acid, allyl ...	140	C8H12O2	051552-26-2	38
3		Cyclohexanecarbonyl chloride	146	C7H11ClO	002719-27-9	27
4		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	27
5		Cyclohexane, decyl-	224	C16H32	001795-16-0	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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GW-22-14.5-15.0

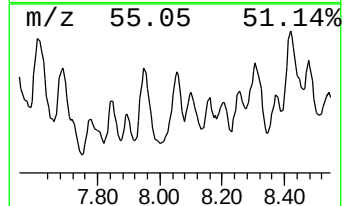
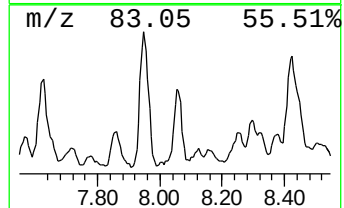
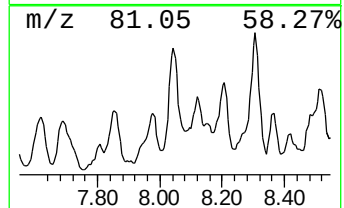
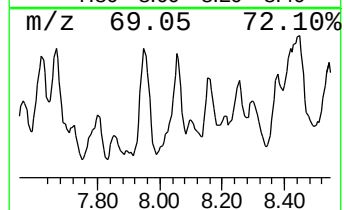
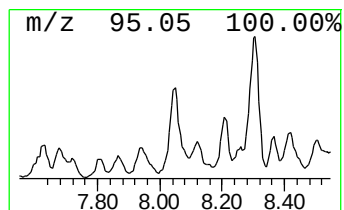
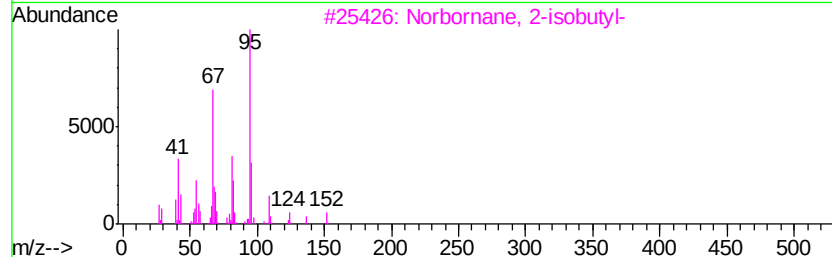
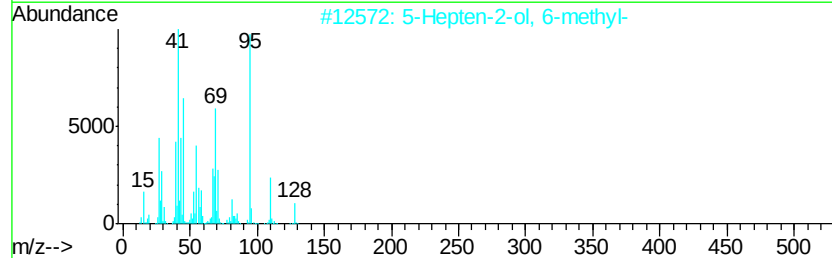
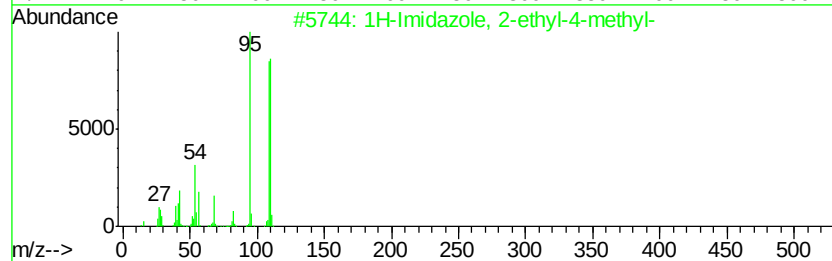
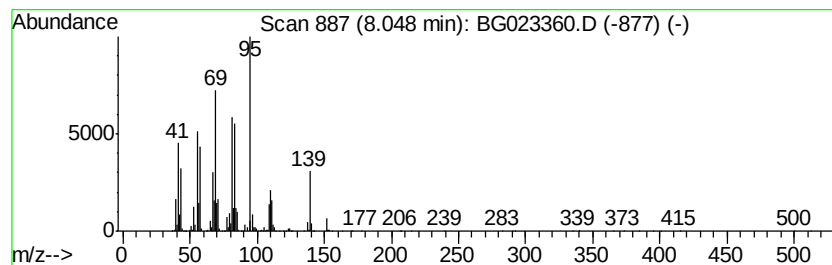
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown8.05 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	64.46 ng	5209940	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Imidazole, 2-ethyl-4-methyl-	110	C6H10N2	000931-36-2	30
2		5-Hepten-2-ol, 6-methyl-	128	C8H16O	001569-60-4	22
3		Norbornane, 2-isobutyl-	152	C11H20	018127-14-5	22
4		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	15
5		Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	14



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
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Operator : UM/SJ
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Misc :
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ClientSampleId :
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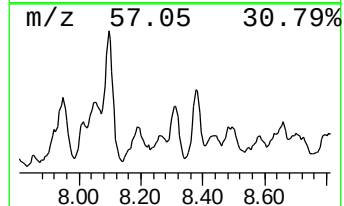
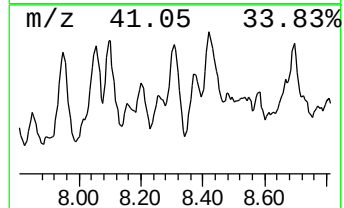
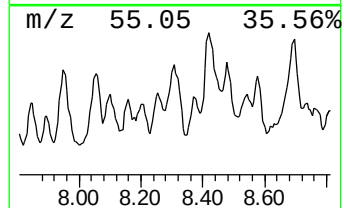
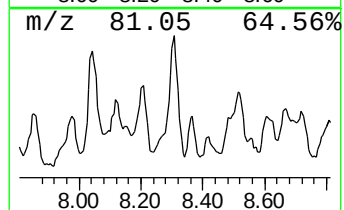
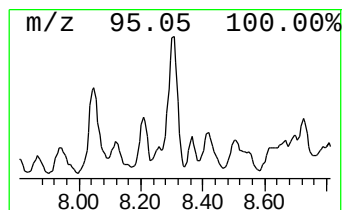
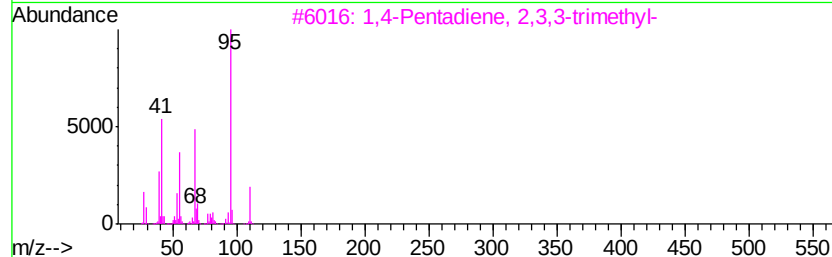
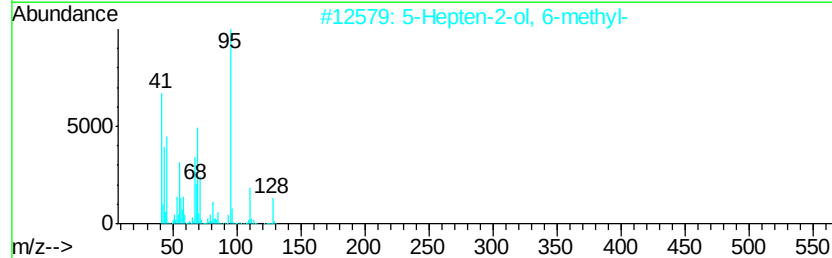
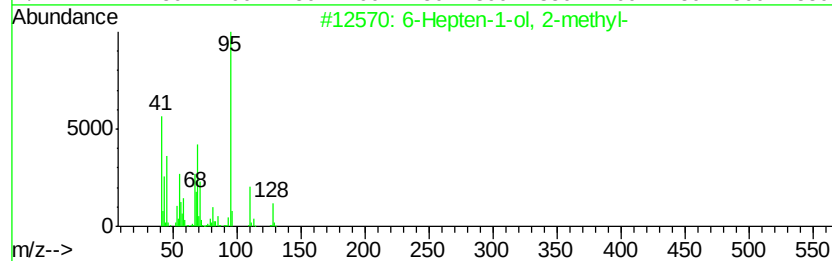
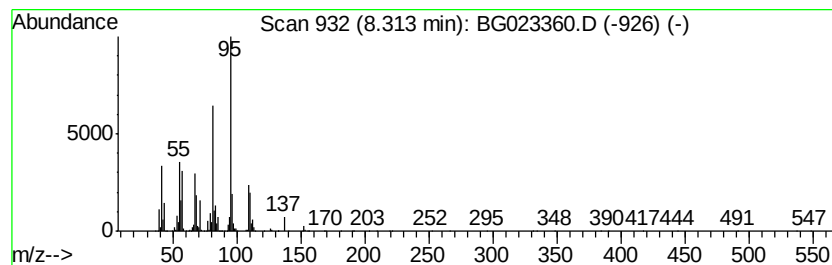
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 6-Hepten-1-ol, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	57.69 ng	4662600	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Hepten-1-ol, 2-methyl-	128	C8H16O	1000132-12-0	64
2		5-Hepten-2-ol, 6-methyl-	128	C8H16O	001569-60-4	64
3		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	59
4		Cyclohexene, 3-methyl-6-(1-methyl-...	138	C10H18	005256-65-5	59
5		Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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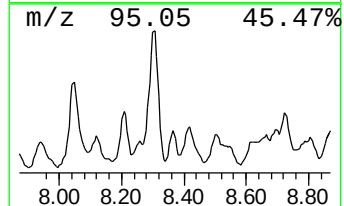
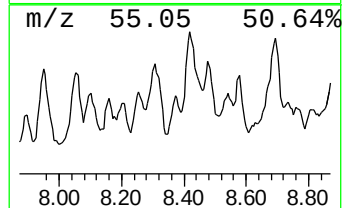
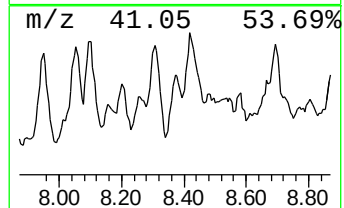
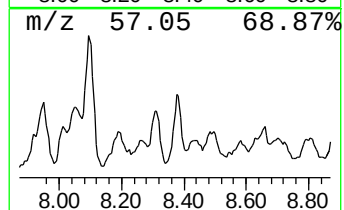
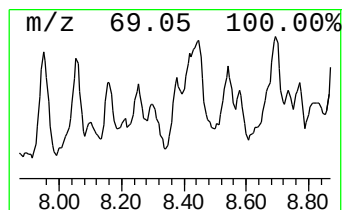
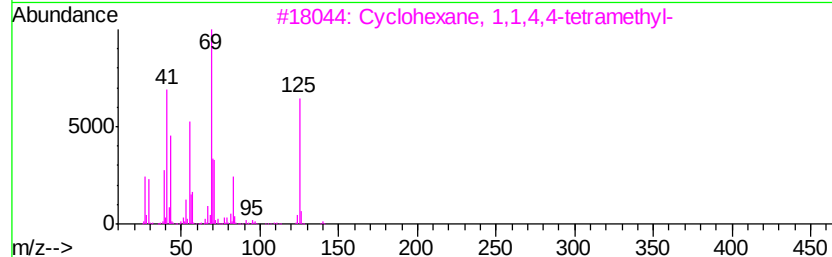
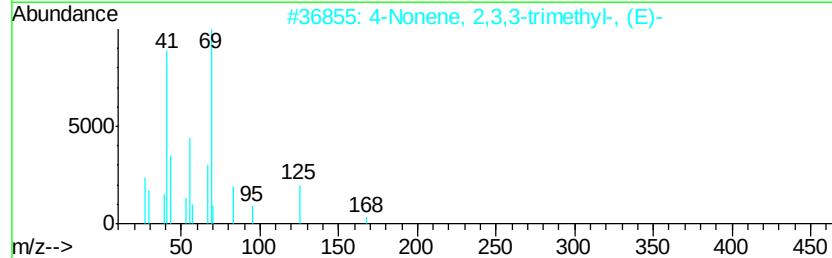
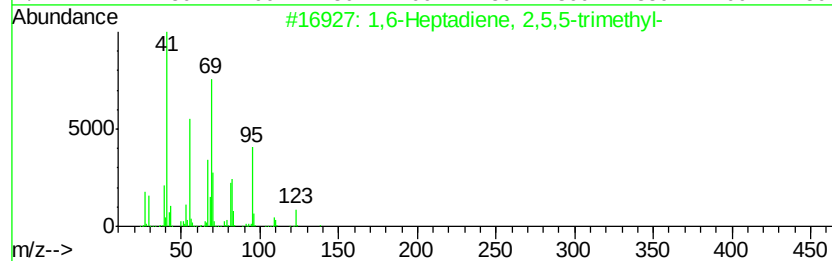
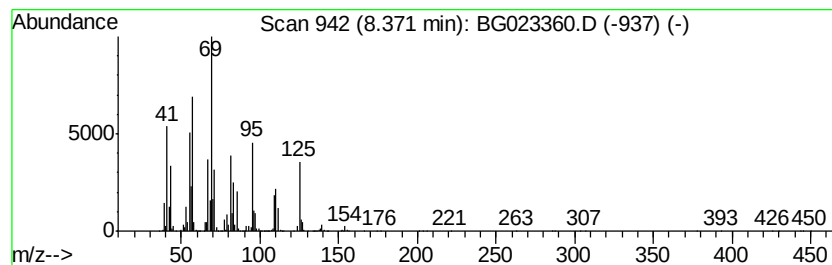
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown8.37 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	32.31 ng	2611350	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,6-Heptadiene, 2,5,5-trimethyl-	138	C10H18	062238-28-2	46
2		4-Nonene, 2,3,3-trimethyl-, (E)-	168	C12H24	063830-67-1	43
3		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
4		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	37
5		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	35



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GW-22-14.5-15.0

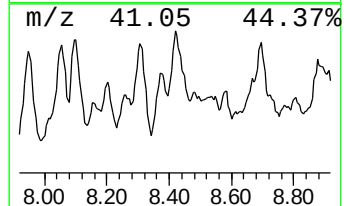
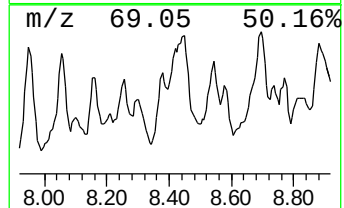
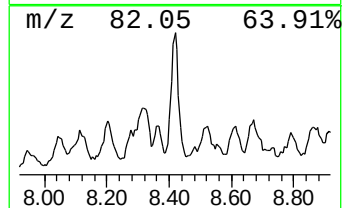
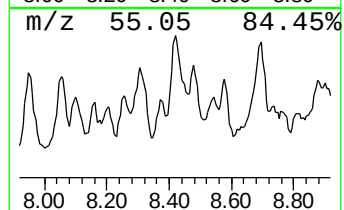
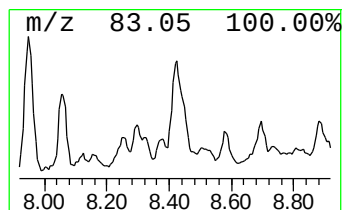
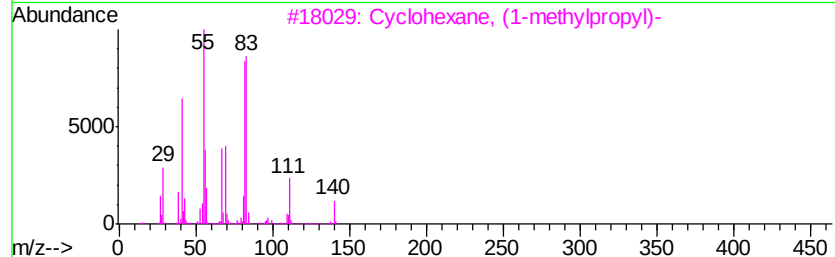
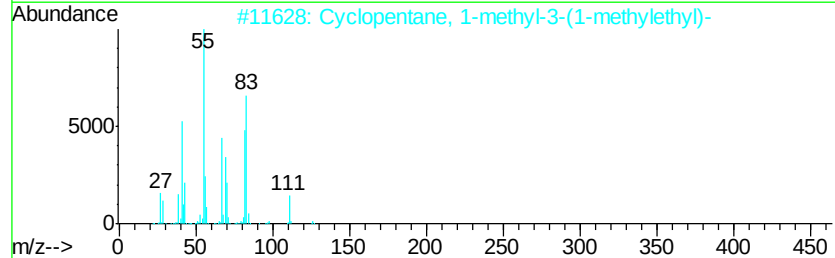
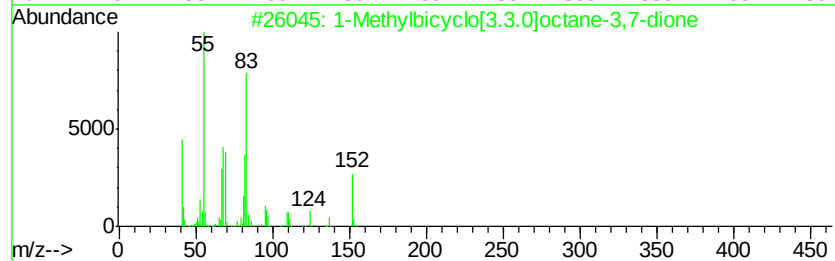
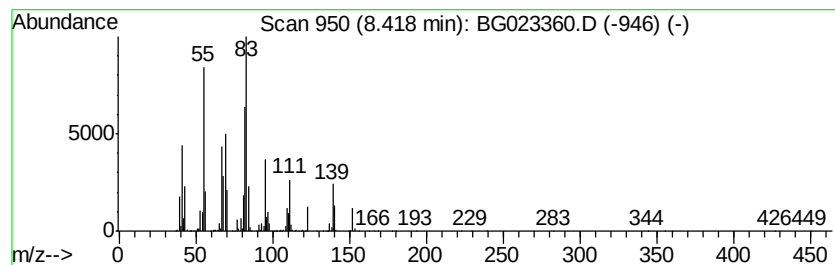
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1-Methylbicyclo[3.3.0]octan... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	30.51 ng	2465920	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	52
2		Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	50
3		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	49
4		1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	47
5		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
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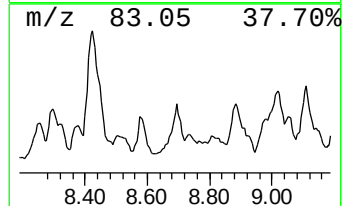
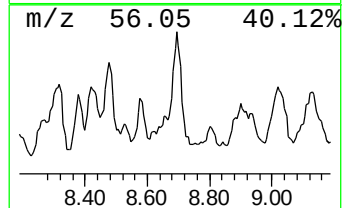
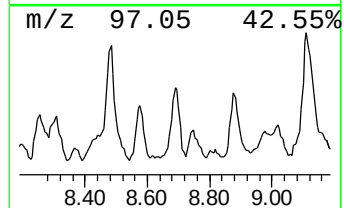
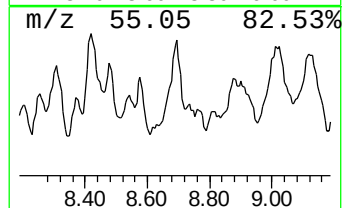
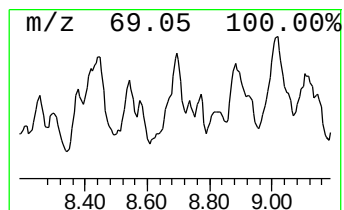
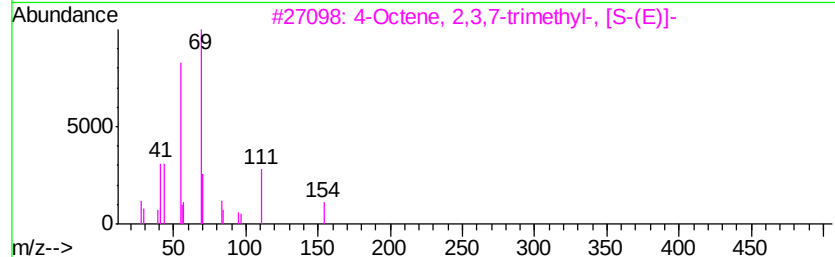
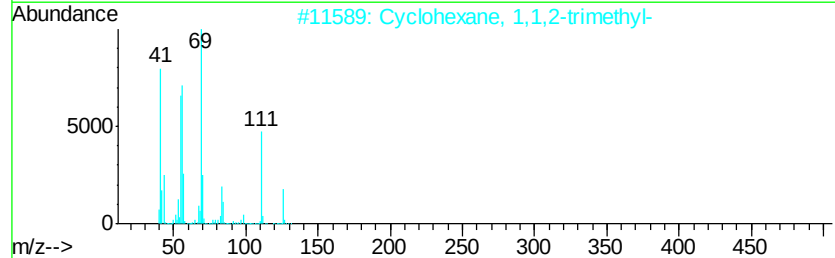
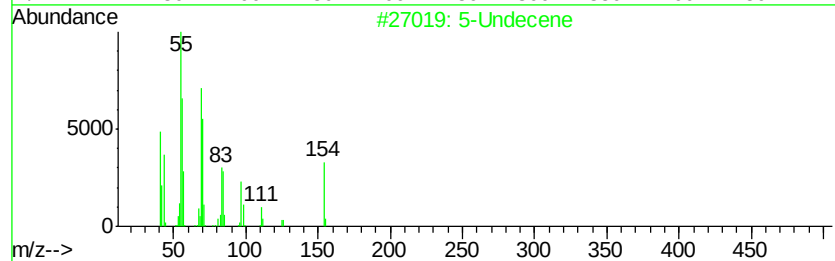
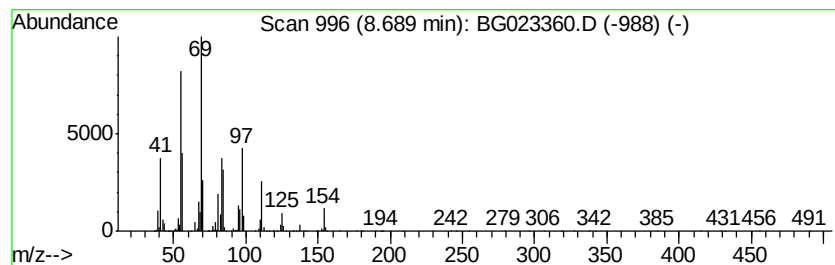
Instrument :
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ClientSampleId :
GW-22-14.5-15.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 5-Undecene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.69	38.66 ng	3124970	1,4-Dichlorobenzene-d4	8.14	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Undecene	154	C11H22	004941-53-1	64
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
3	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	46
4	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	43
5	Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GW-22-14.5-15.0

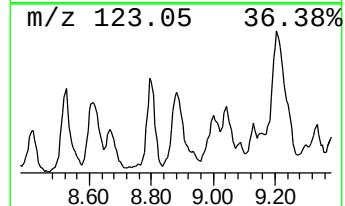
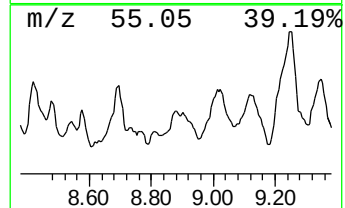
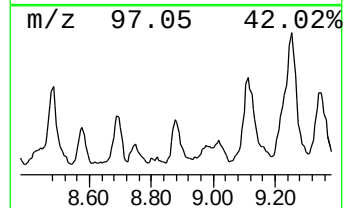
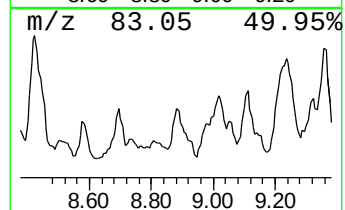
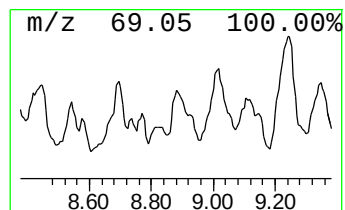
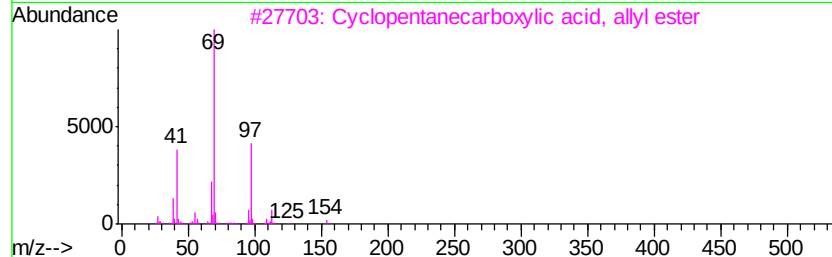
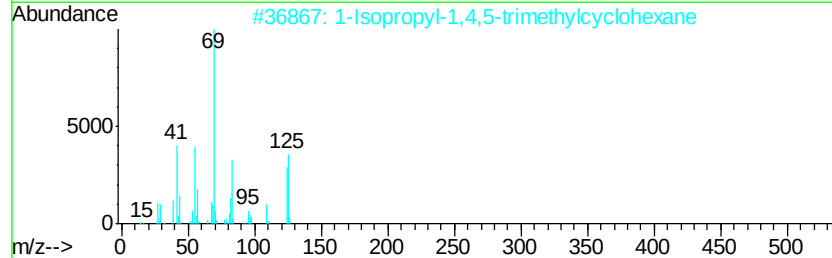
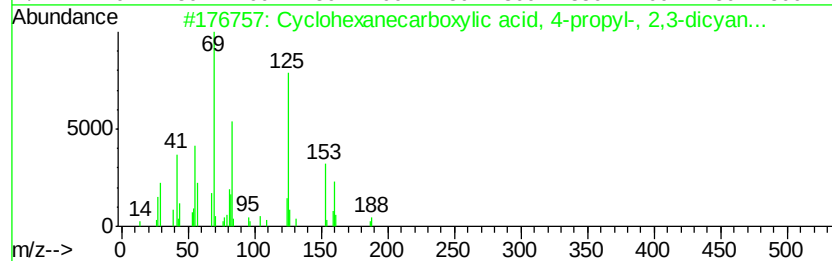
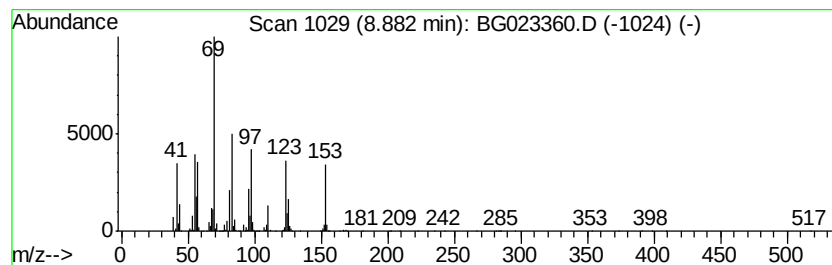
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown8.88 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	24.49 ng	1979060	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanecarboxylic acid, 4-pr...	340	C20H24N2O3	133856-82-3	37
2		1-Isopropyl-1,4,5-trimethylcyclo...	168	C12H24	219783-06-9	35
3		Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	35
4		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	27
5		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GW-22-14.5-15.0

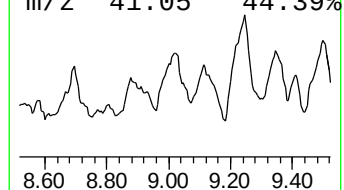
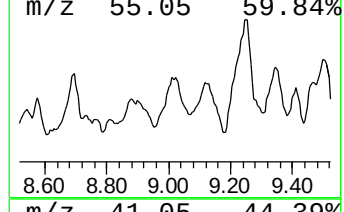
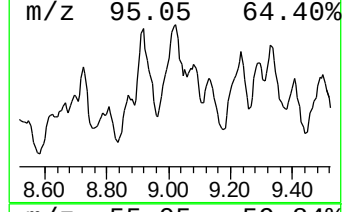
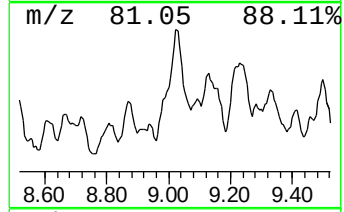
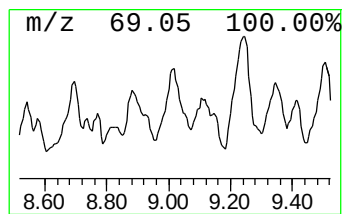
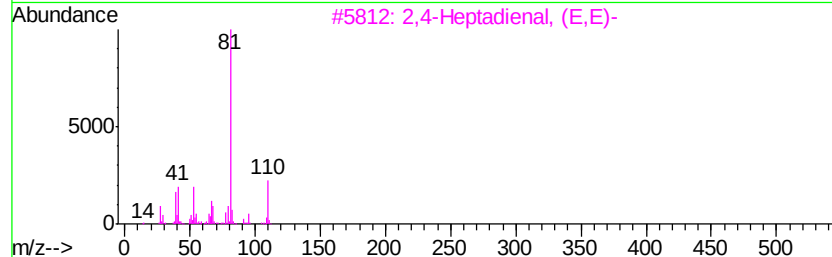
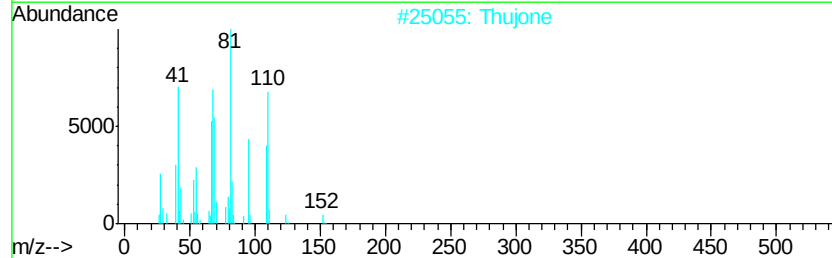
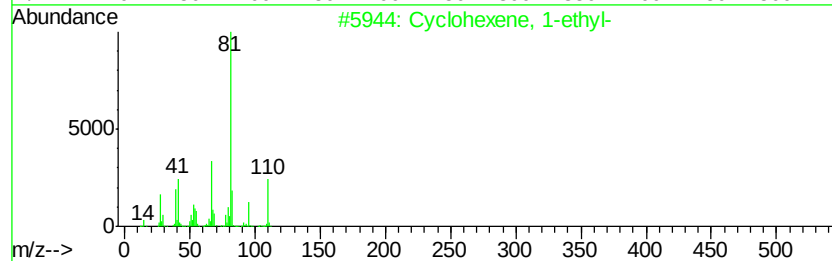
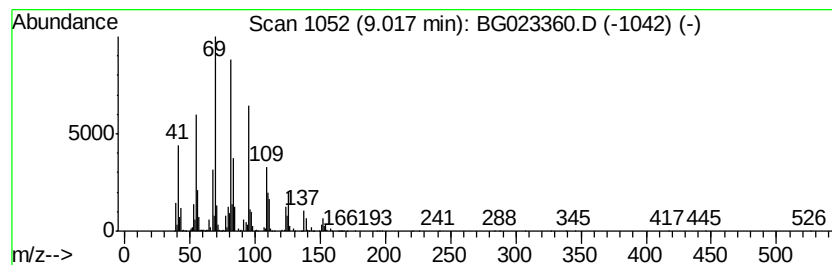
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown9.02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	101.31 ng	8188140	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
2		Thujone	152	C10H16O	000546-80-5	38
3		2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	25
4		1,4-Hexadiene, 3,3,5-trimethyl-	124	C9H16	074753-00-7	25
5		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	25



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GW-22-14.5-15.0

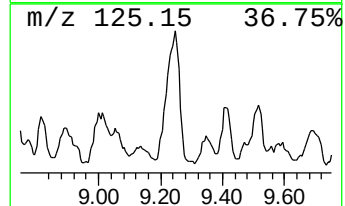
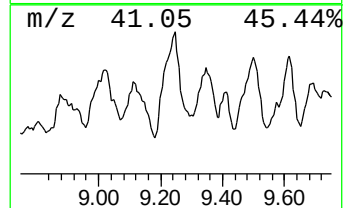
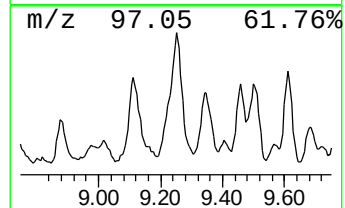
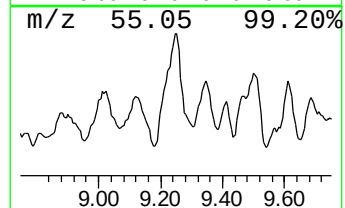
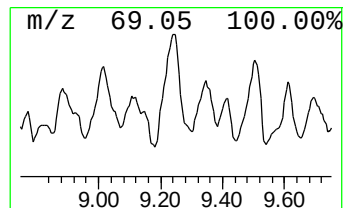
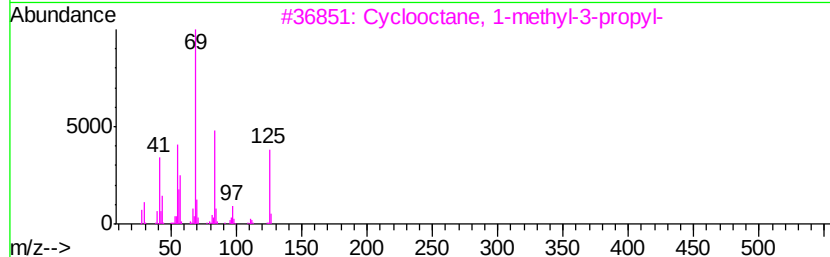
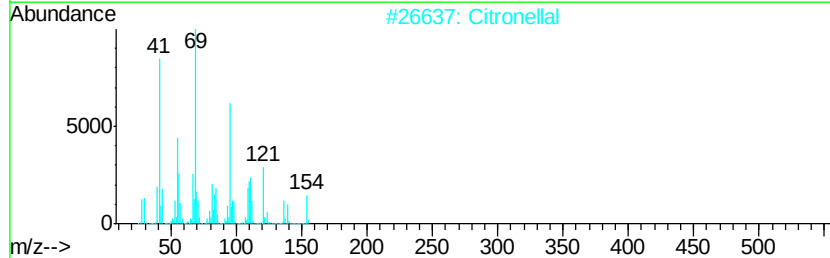
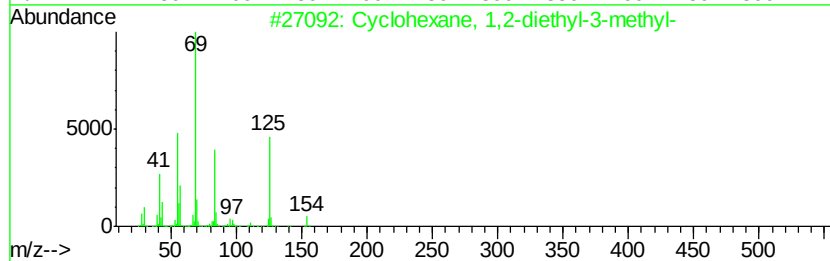
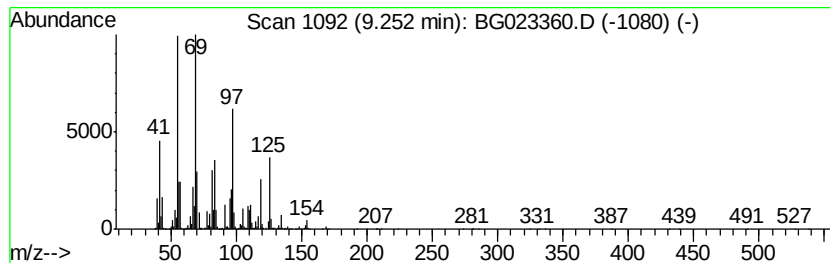
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown9.25 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	140.23 ng	11333900	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	43
2		Citronellal	154	C10H18O	000106-23-0	43
3		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38
4		5-Undecene, 6-methyl-	168	C12H24	083687-45-0	38
5		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	30



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GW-22-14.5-15.0

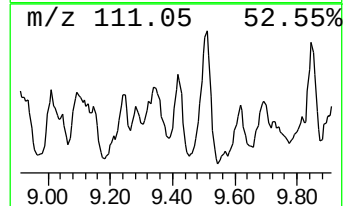
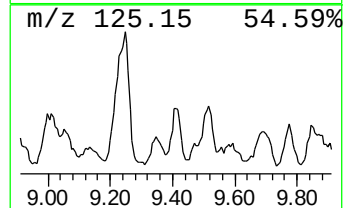
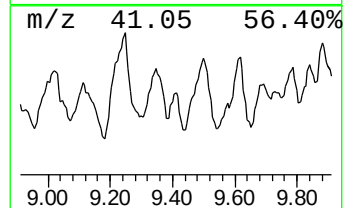
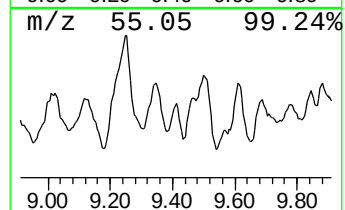
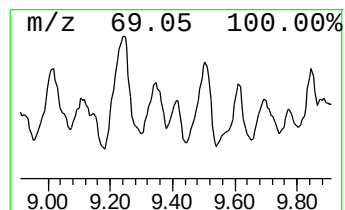
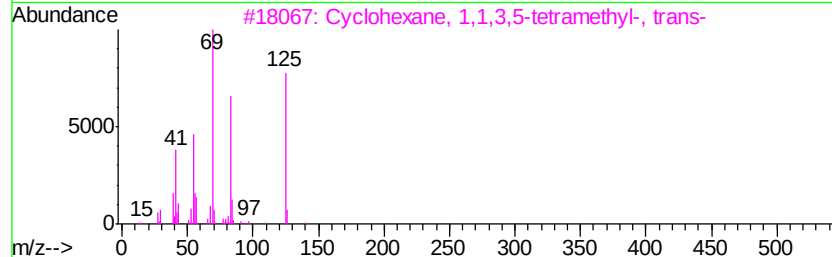
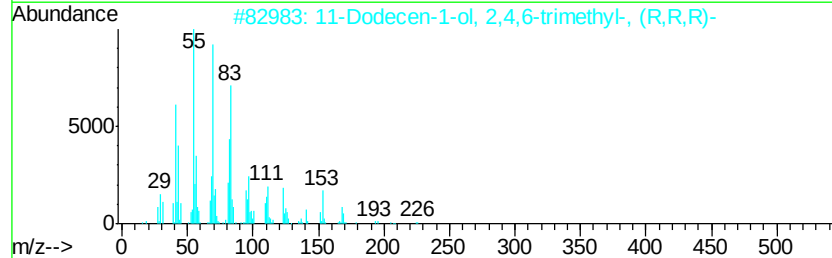
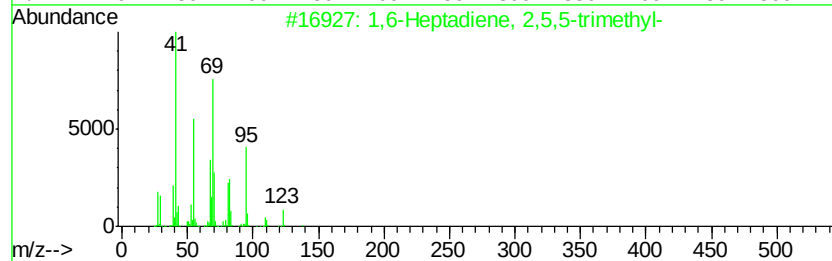
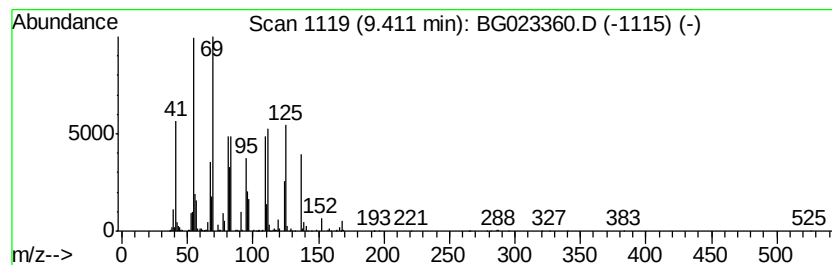
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown9.41 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	27.35 ng	2210490	1,4-Dichlorobenzene-d4	8.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,6-Heptadiene, 2,5,5-trimethyl-	138	C10H18	062238-28-2	30
2			11-Dodecen-1-ol, 2,4,6-trimethyl...	226	C15H30O	027829-54-5	27
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	22
4			Borane, 2,3-dimethyl-2-butyl- (d...	196	C12H30B2	1000159-64-3	14
5			Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	11



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GW-22-14.5-15.0

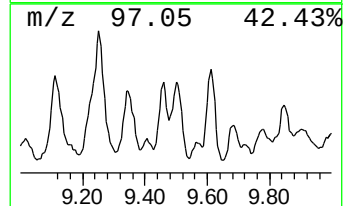
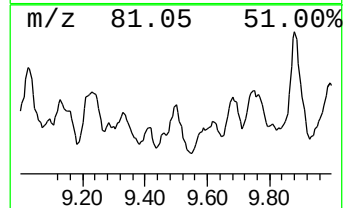
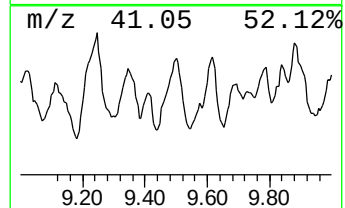
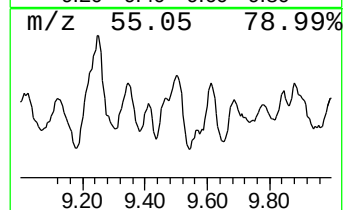
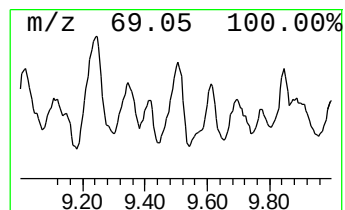
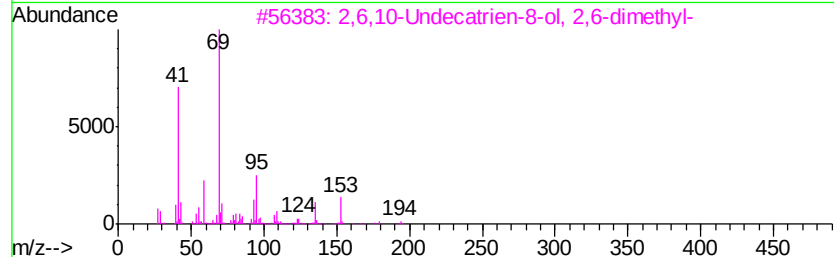
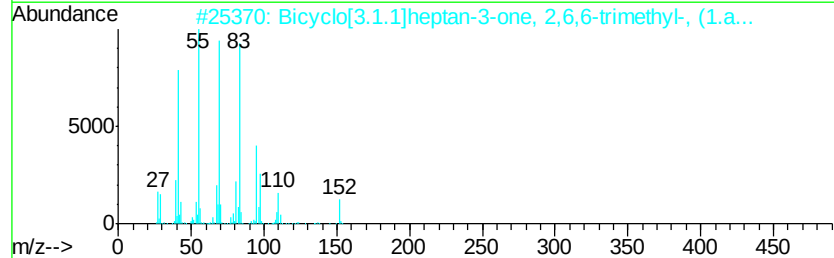
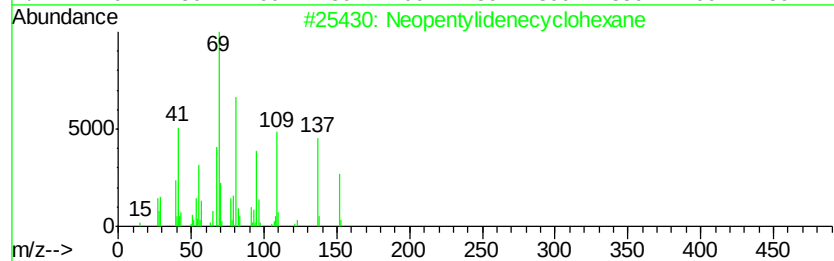
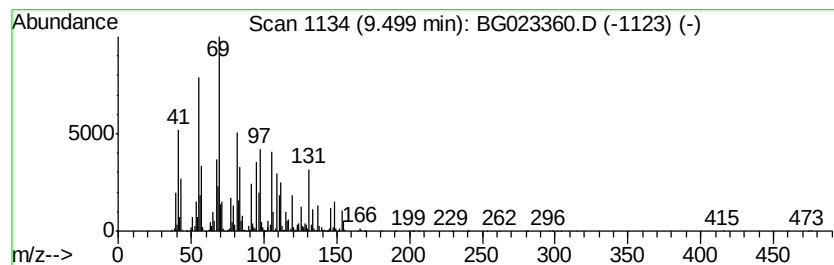
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown9.50 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	110.98 ng	8970230	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Neopentylidenecyclohexane	152	C11H20	039546-80-0	43
2		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	38
3		2,6,10-Undecatrien-8-ol, 2,6-dim...	194	C13H22O	1000163-48-4	35
4		4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	35
5		1-Pyrroline, 3-ethyl-	97	C6H11N	1000073-06-0	35



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023360.D
Acq On : 30 Jul 2016 16:48
Operator : UM/SJ
Sample : H4176-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GW-22-14.5-15.0

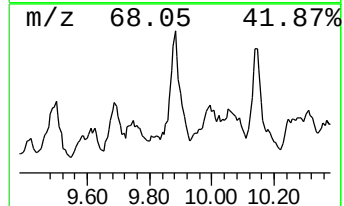
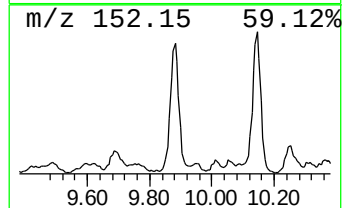
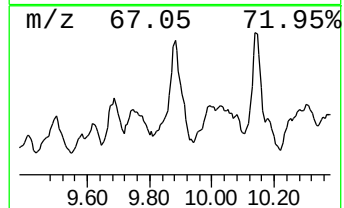
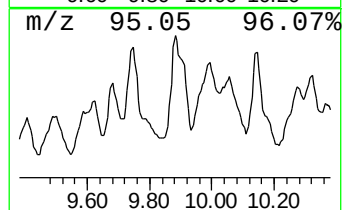
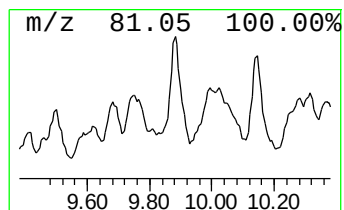
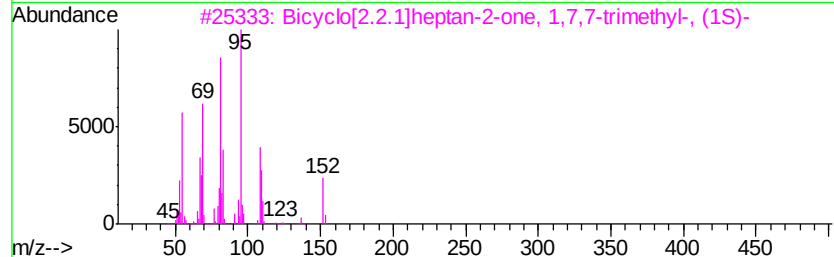
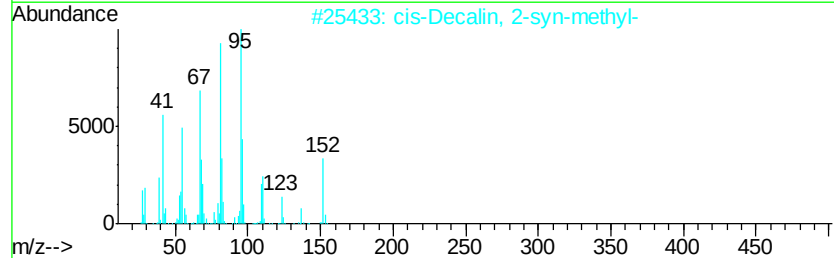
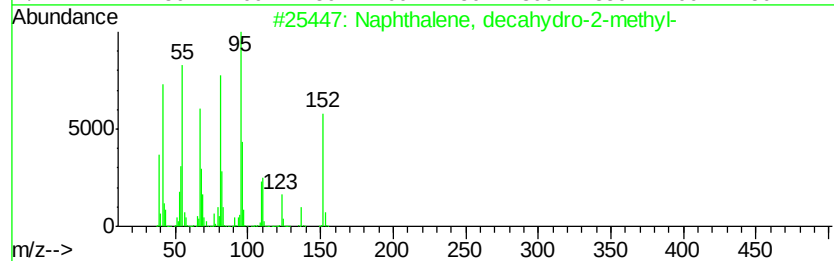
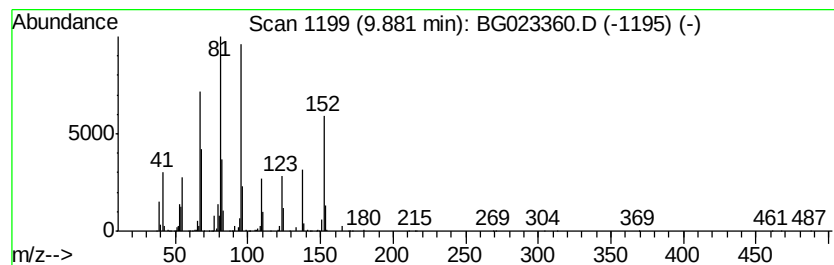
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Naphthalene, decahydro-2-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	33.59 ng	6652960	Naphthalene-d8	10.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	87
3		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	83
4		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	70
5		Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	62



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 Operator : UM/SJ
 Sample : H4176-22
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-22-14.5-15.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 1,1,...	5.97	25.6	ng	2066410	1	8.14	1616530	20.0
Cyclohexane, 2,4-...	6.36	38.0	ng	3068250	1	8.14	1616530	20.0
7-Methylbicyclo[4...	6.62	28.4	ng	2293710	1	8.14	1616530	20.0
Cyclohexane, propyl-	6.74	39.3	ng	3177740	1	8.14	1616530	20.0
Cyclohexane, 1-me...	7.44	33.6	ng	2717640	1	8.14	1616530	20.0
unknown7.62	7.62	32.4	ng	2614610	1	8.14	1616530	20.0
unknown7.67	7.67	91.3	ng	7380680	1	8.14	1616530	20.0
unknown7.95	7.95	43.5	ng	3513870	1	8.14	1616530	20.0
unknown8.05	8.05	64.5	ng	5209940	1	8.14	1616530	20.0
6-Hepten-1-ol, 2-...	8.31	57.7	ng	4662600	1	8.14	1616530	20.0
unknown8.37	8.37	32.3	ng	2611350	1	8.14	1616530	20.0
1-Methylbicyclo[3...	8.42	30.5	ng	2465920	1	8.14	1616530	20.0
5-Undecene	8.69	38.7	ng	3124970	1	8.14	1616530	20.0
unknown8.88	8.88	24.5	ng	1979060	1	8.14	1616530	20.0
unknown9.02	9.02	101.3	ng	8188140	1	8.14	1616530	20.0
unknown9.25	9.25	140.2	ng	11333900	1	8.14	1616530	20.0
unknown9.41	9.41	27.4	ng	2210490	1	8.14	1616530	20.0
unknown9.50	9.50	111.0	ng	8970230	1	8.14	1616530	20.0
Naphthalene, deca...	9.88	33.6	ng	6652960	2	10.98	3961110	20.0