

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089149.D
 Acq On : 20 Jul 2016 23:53
 Operator : UM/SJ
 Sample : H4112-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-01-6.0-8.0

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_F\METHODS\8270-BF072016.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	1.724	11	12	39	rVB	1114113	1688743	100.00%	5.473%
2	4.741	274	276	282	rBV	25761	50089	2.97%	0.162%
3	5.187	313	315	325	rBV	756629	1082625	64.11%	3.509%
4	5.587	346	350	352	rVB2	16772	21228	1.26%	0.069%
5	5.656	352	356	360	rVB3	8028	20667	1.22%	0.067%
6	5.724	360	362	365	rBV3	20647	32056	1.90%	0.104%
7	5.793	365	368	370	rBV	14507	18868	1.12%	0.061%
8	5.839	370	372	375	rVB2	61192	91829	5.44%	0.298%
9	5.896	375	377	378	rBV	28534	33115	1.96%	0.107%
10	6.033	386	389	392	rBV	32000	56326	3.34%	0.183%
11	6.113	392	396	398	rBV	61894	68805	4.07%	0.223%
12	6.147	398	399	402	rVB	16974	20190	1.20%	0.065%
13	6.262	406	409	414	rBV	946162	1239626	73.41%	4.018%
14	6.342	414	416	417	rBV	45249	85909	5.09%	0.278%
15	6.376	417	419	424	rVB	777942	1189821	70.46%	3.856%
16	6.456	424	426	427	rVB2	34274	41695	2.47%	0.135%
17	6.502	427	430	432	rBV3	9936	17727	1.05%	0.057%
18	6.559	432	435	436	rBV3	37233	91265	5.40%	0.296%
19	6.604	436	439	442	rVB2	246178	388248	22.99%	1.258%
20	6.673	442	445	446	rBV3	46643	88181	5.22%	0.286%
21	6.753	449	452	457	rVB	968264	1212078	71.77%	3.928%
22	6.867	457	462	465	rBV4	133920	291560	17.26%	0.945%
23	6.993	465	473	474	rBV5	151443	247368	14.65%	0.802%
24	7.027	474	476	477	rBV	80765	93993	5.57%	0.305%
25	7.084	480	481	482	rBV	31578	37393	2.21%	0.121%
26	7.164	482	488	493	rBV2	527050	1351020	80.00%	4.379%
27	7.256	493	496	498	rVB2	197907	320468	18.98%	1.039%
28	7.324	498	502	504	rBV2	123146	274601	16.26%	0.890%
29	7.382	504	507	508	rBV2	128735	187922	11.13%	0.609%
30	7.404	508	509	512	rVB	266193	318738	18.87%	1.033%
31	7.462	512	514	516	rVB2	81987	149732	8.87%	0.485%
32	7.519	516	519	524	rBV4	322591	815789	48.31%	2.644%
33	7.599	524	526	527	rBV2	39799	49352	2.92%	0.160%
34	7.633	527	529	530	rBV	176724	178047	10.54%	0.577%

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35	7.725	534	537	538 rBV	172909	280632	16.62%	0.910%
36	7.770	538	541	545 rBV4	114660	352819	20.89%	1.144%
37	7.850	545	548	549 rBV2	149142	280389	16.60%	0.909%
38	7.885	549	551	553 rVV	602579	699311	41.41%	2.266%
39	7.942	553	556	557 rVV3	107675	226428	13.41%	0.734%
40	7.965	557	558	562 rVV2	240260	365908	21.67%	1.186%
41	8.056	564	566	567 rBV2	149950	246231	14.58%	0.798%
42	8.102	568	570	572 rVB2	280236	305109	18.07%	0.989%
43	8.182	572	577	579 rBV5	305801	635069	37.61%	2.058%
44	8.227	579	581	582 rBV2	82973	137840	8.16%	0.447%
45	8.330	587	590	594 rBV	1244092	1609374	95.30%	5.216%
46	8.433	597	599	600 rVV2	234765	244373	14.47%	0.792%
47	8.490	603	604	607 rVV3	151142	365541	21.65%	1.185%
48	8.582	611	612	614 rVB	307945	398327	23.59%	1.291%
49	8.627	614	616	617 rBV	112356	141592	8.38%	0.459%
50	8.696	620	622	624 rVB3	157504	194239	11.50%	0.630%
51	8.810	629	632	633 rVV3	236851	444396	26.32%	1.440%
52	8.867	635	637	639 rVV2	138740	205363	12.16%	0.666%
53	8.925	639	642	643 rVV	1031663	1139743	67.49%	3.694%
54	8.970	643	646	648 rVV	874009	1425672	84.42%	4.621%
55	9.050	648	653	656 rVV3	200888	552937	32.74%	1.792%
56	9.108	656	658	661 rVV3	126590	301413	17.85%	0.977%
57	9.165	661	663	665 rVB2	149108	243747	14.43%	0.790%
58	9.222	665	668	671 rBV2	270681	481633	28.52%	1.561%
59	9.302	673	675	676 rVV	217699	336756	19.94%	1.091%
60	9.325	676	677	679 rVV2	224591	358451	21.23%	1.162%
61	9.382	679	682	683 rVB2	522077	831598	49.24%	2.695%
62	9.496	690	692	694 rVV3	82150	104641	6.20%	0.339%
63	9.542	694	696	698 rVB2	208724	246801	14.61%	0.800%
64	9.633	701	704	706 rBV	524327	689485	40.83%	2.235%
65	9.679	706	708	711 rVB2	77609	124956	7.40%	0.405%
66	9.736	711	713	716 rVB2	90907	164051	9.71%	0.532%
67	9.793	716	718	719 rBV2	27477	40714	2.41%	0.132%
68	9.839	719	722	724 rVB2	127868	142920	8.46%	0.463%
69	9.873	724	725	726 rVB	90746	62252	3.69%	0.202%
70	9.908	726	728	730 rVB2	87817	119860	7.10%	0.388%
71	9.953	730	732	737 rVB3	80360	174657	10.34%	0.566%

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72	10.033	737	739	742	rVB2	85355	124286	7.36%	0.403%
73	10.113	745	746	750	rVB4	42105	76496	4.53%	0.248%
74	10.171	750	751	752	rBV	32474	23979	1.42%	0.078%
75	10.239	755	757	760	rVB3	15839	24932	1.48%	0.081%
76	10.296	760	762	764	rVB	154929	149033	8.83%	0.483%
77	10.411	770	772	775	rBV2	696858	876295	51.89%	2.840%
78	10.559	782	785	788	rVV	149399	179376	10.62%	0.581%
79	10.616	788	790	794	rVB3	11936	22219	1.32%	0.072%
80	11.096	830	832	835	rBV	444681	484003	28.66%	1.569%
81	11.416	854	860	867	rVB2	16055	39675	2.35%	0.129%
82	12.205	926	929	936	rBB	21837	59663	3.53%	0.193%
83	12.685	968	971	973	rBV	1388530	1393629	82.52%	4.517%
84	13.645	1051	1055	1059	rBV2	18803	56422	3.34%	0.183%
85	13.714	1059	1061	1064	rVB	441098	443730	26.28%	1.438%
86	14.571	1133	1136	1138	rBV	18701	20549	1.22%	0.067%
87	15.062	1176	1179	1182	rBV	329353	349699	20.71%	1.133%

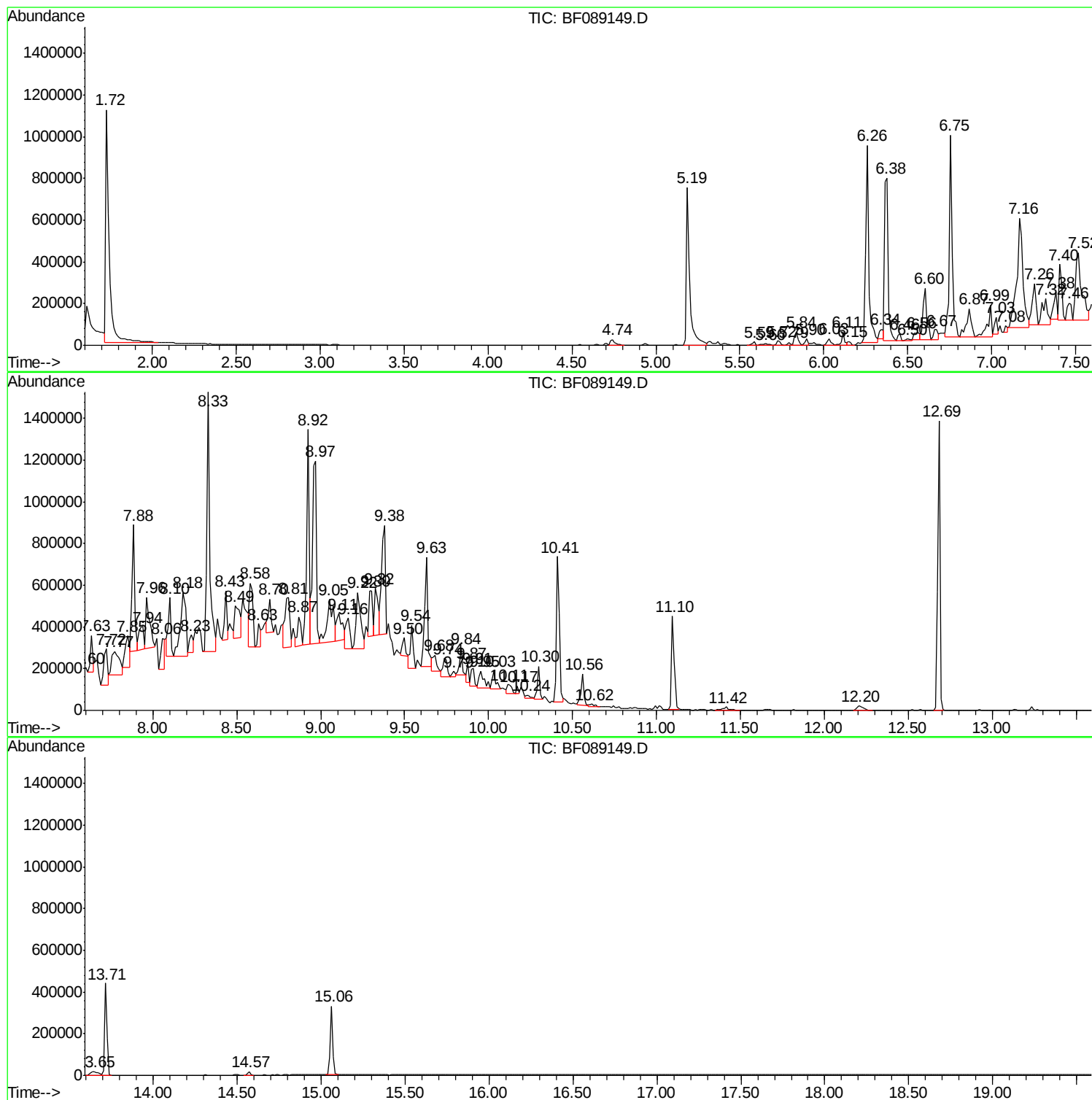
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
BNA_F
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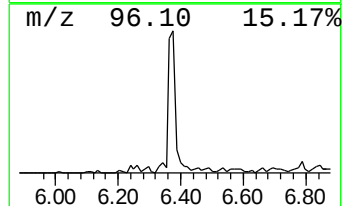
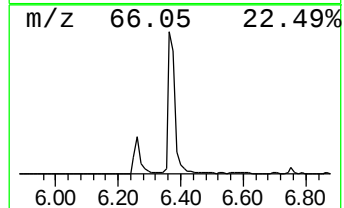
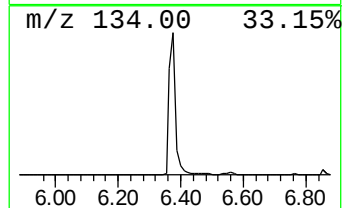
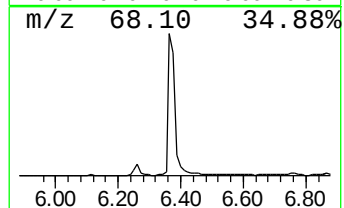
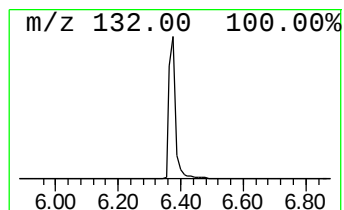
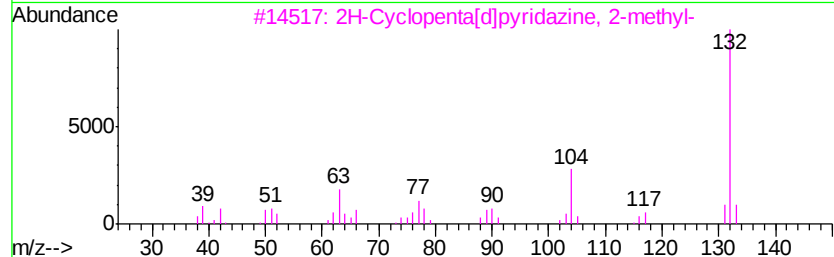
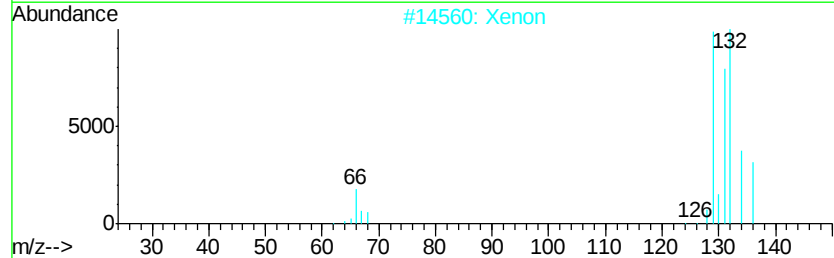
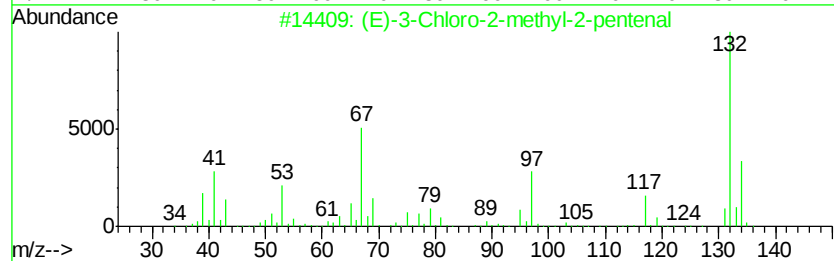
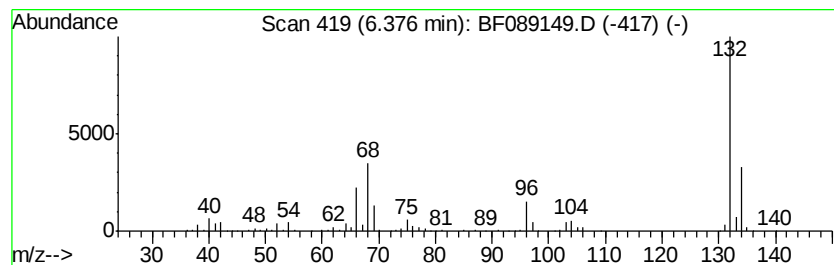
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.38 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	61.29 ng	1189820	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		Xenon	132	Xe	007440-63-3	9
3		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9



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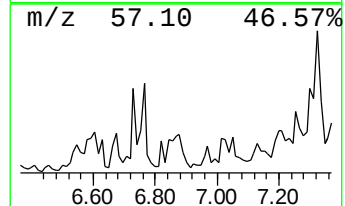
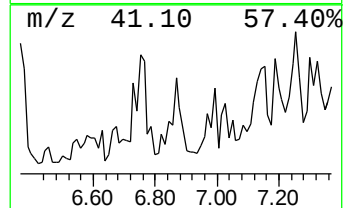
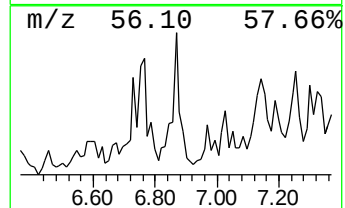
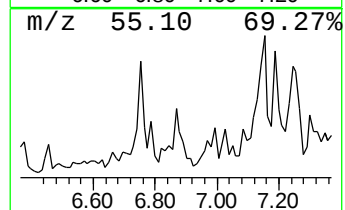
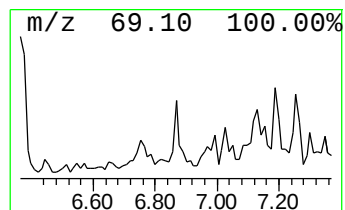
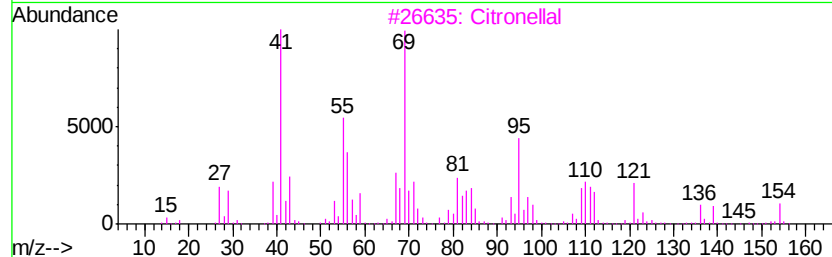
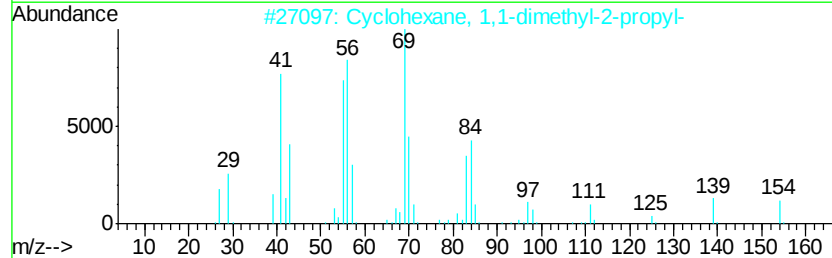
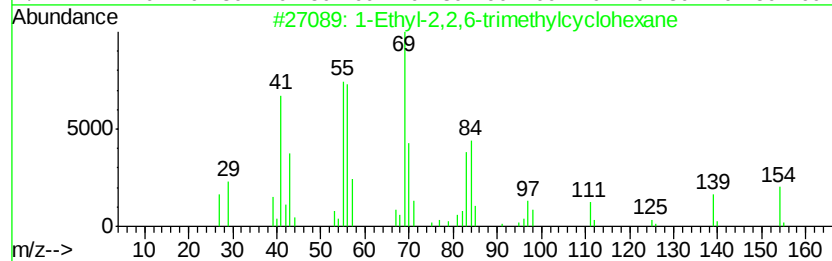
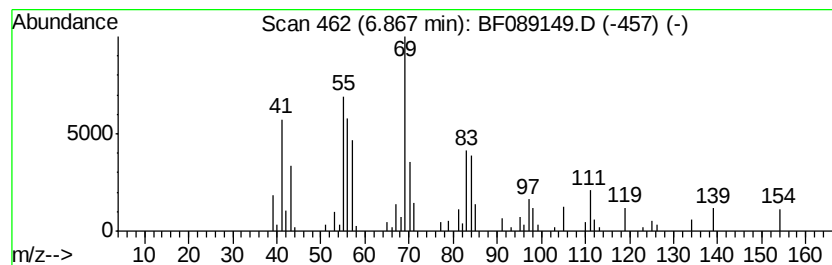
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TIC Library : C:\Database\NIST11.L
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Peak Number 4 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	15.02 ng	291560	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	95
2		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	95
3		Citronellal	154	C10H18O	000106-23-0	46
4		4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	43
5		4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	41



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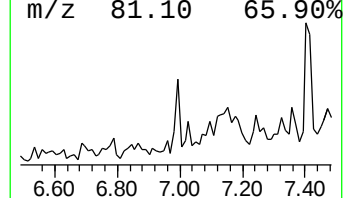
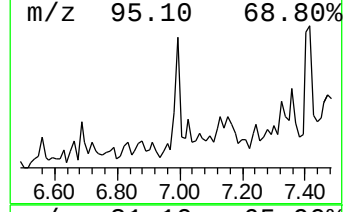
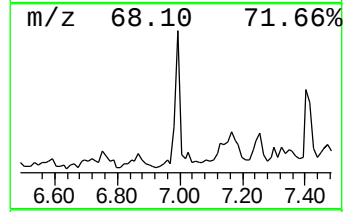
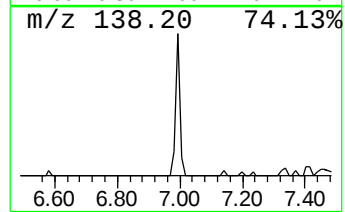
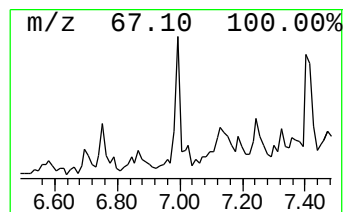
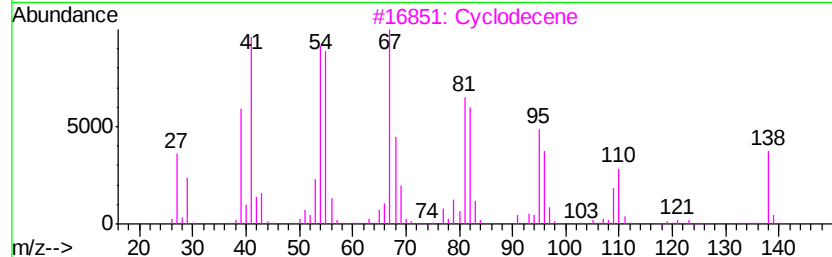
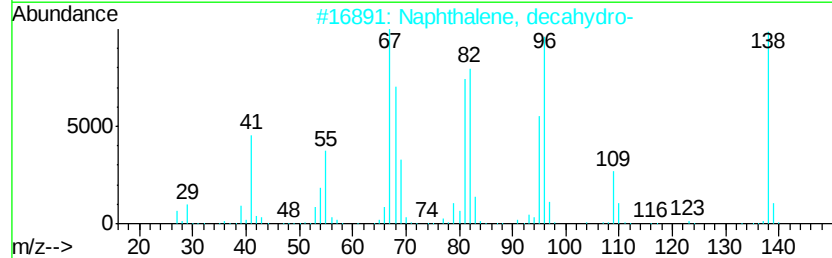
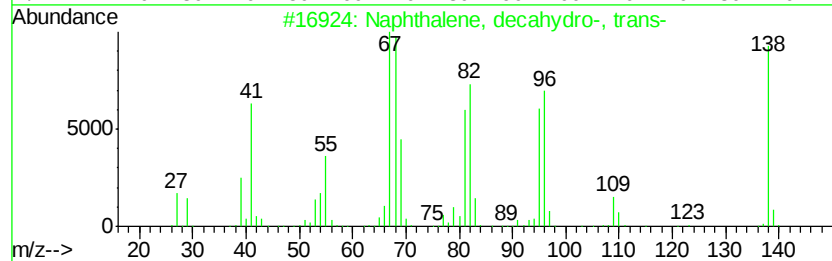
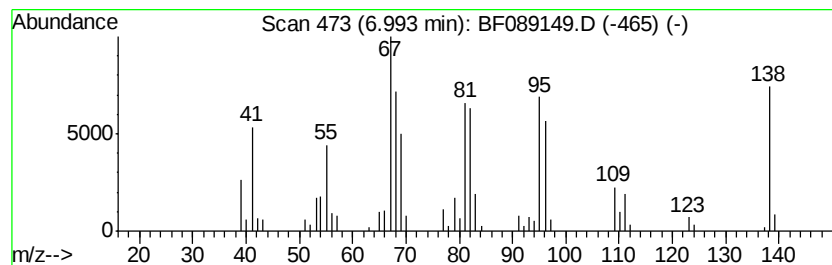
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, decahydro-, tr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	12.74 ng	247368	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3		Cyclodecene	138	C10H18	003618-12-0	90
4		Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	81
5		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81



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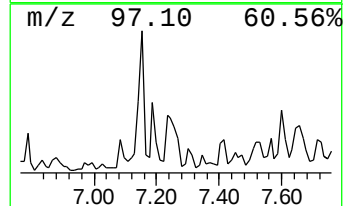
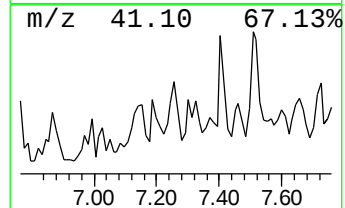
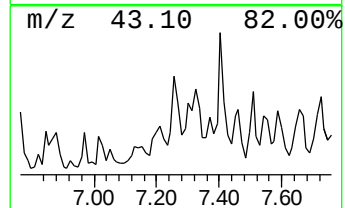
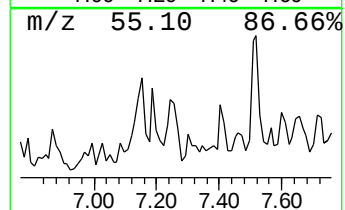
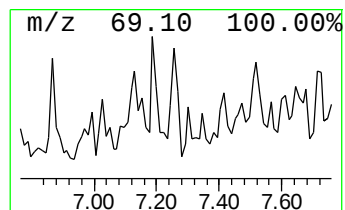
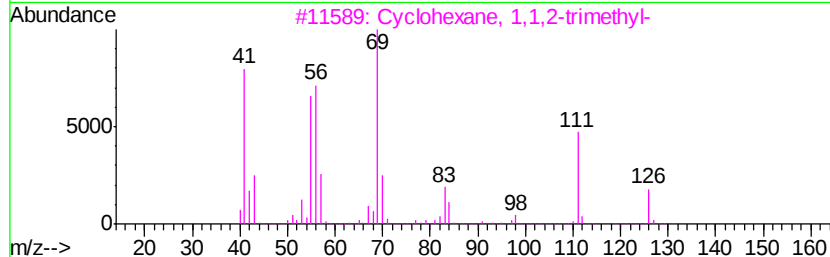
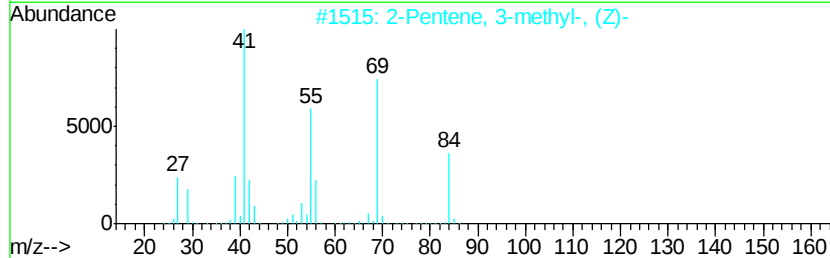
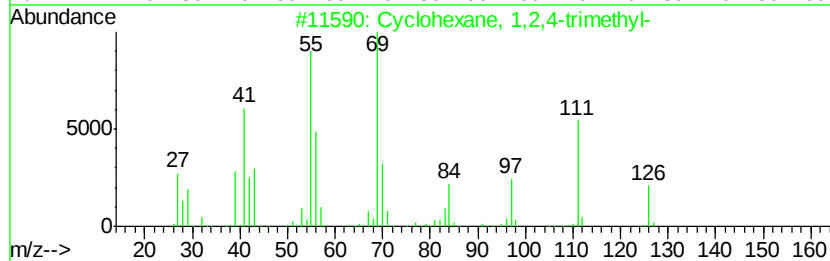
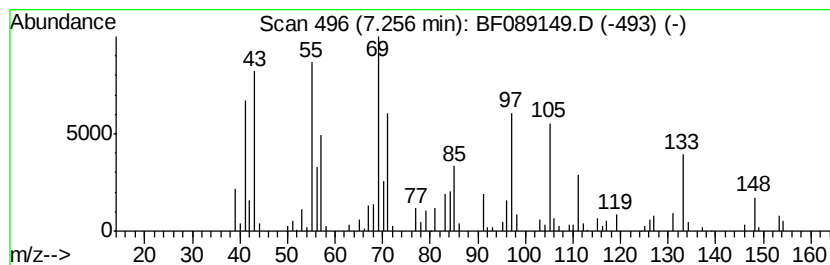
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.26 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	9.17 ng	320468	Naphthalene-d8	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	46
2		2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	38
3		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	30
4		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	30
5		Pentane, 3-methylene-	84	C6H12	000760-21-4	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089149.D
Acq On : 20 Jul 2016 23:53
Operator : UM/SJ
Sample : H4112-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

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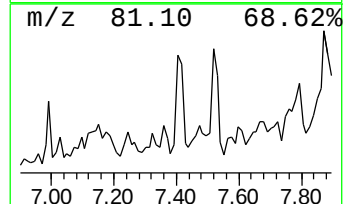
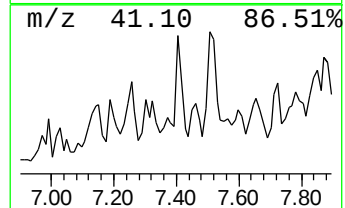
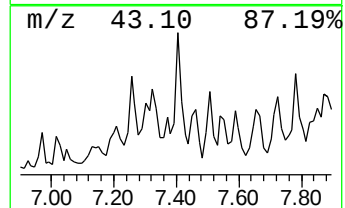
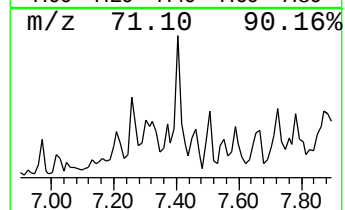
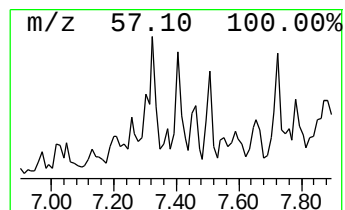
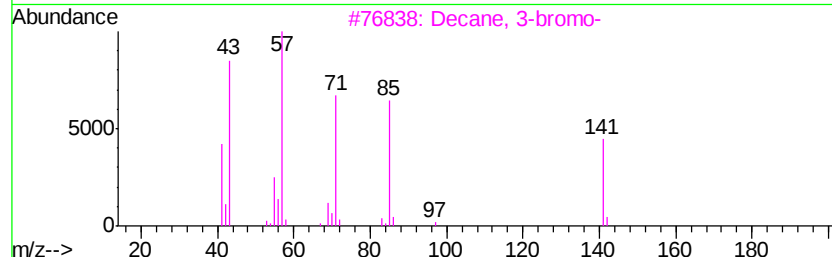
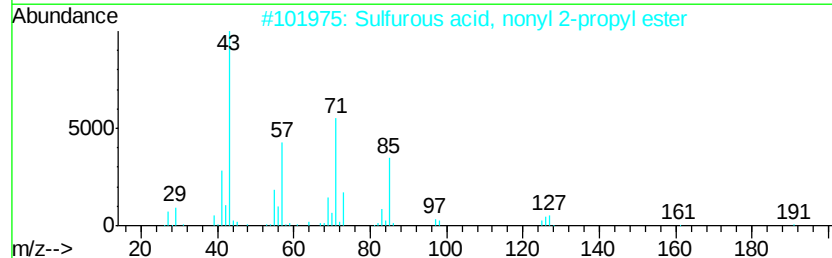
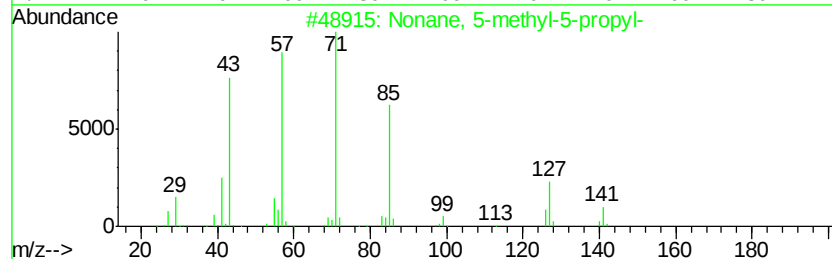
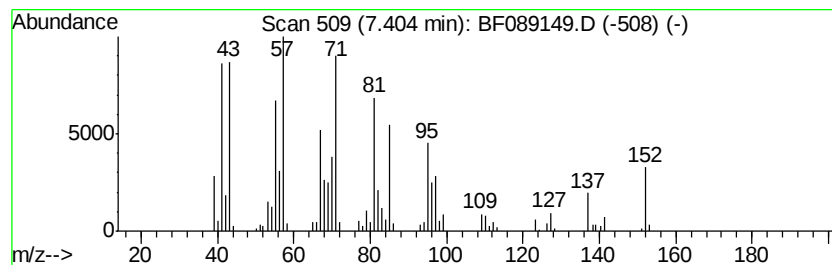
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.40 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	9.12 ng	318738	Naphthalene-d8	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	27
2		Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	27
3		Decane, 3-bromo-	220	C10H21Br	030571-71-2	27
4		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	27
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089149.D
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Operator : UM/SJ
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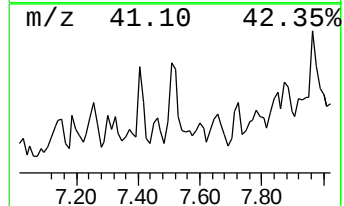
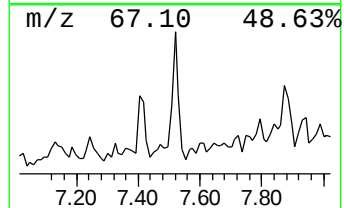
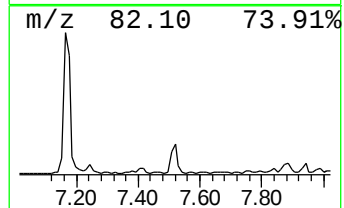
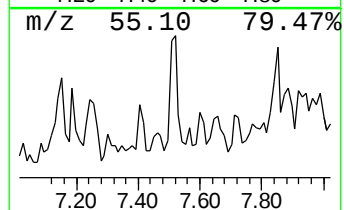
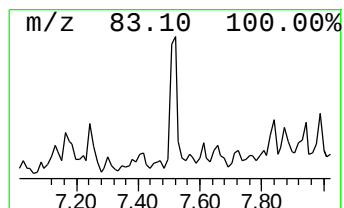
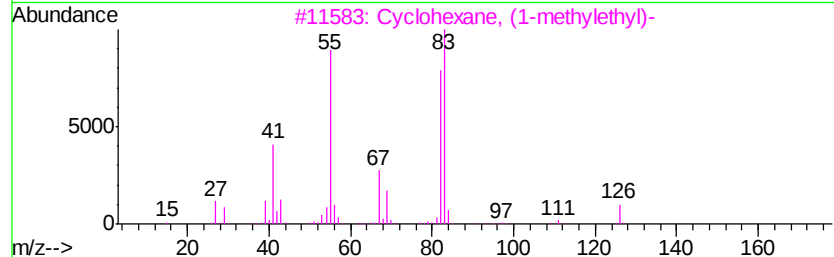
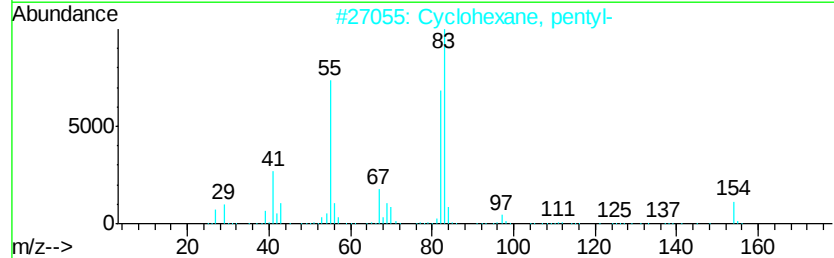
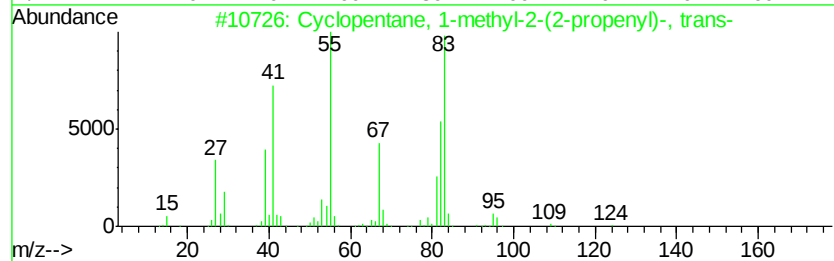
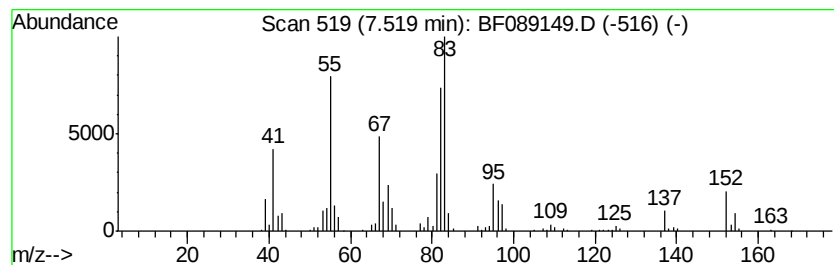
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopentane, 1-methyl-2-(2... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	23.33 ng	815789	Naphthalene-d8	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	74
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089149.D
Acq On : 20 Jul 2016 23:53
Operator : UM/SJ
Sample : H4112-02
Misc :
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ClientSampleId :
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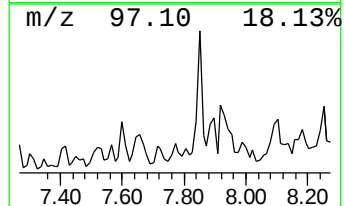
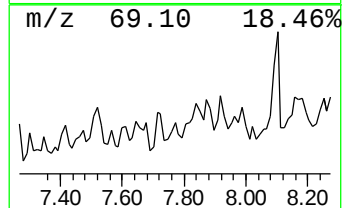
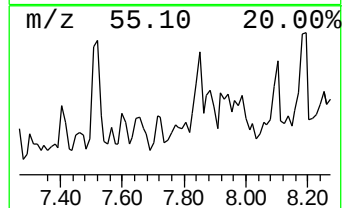
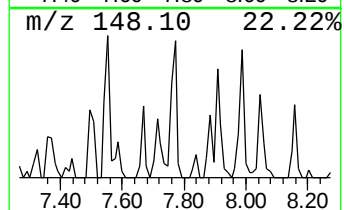
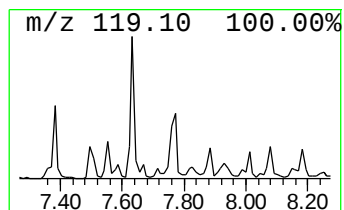
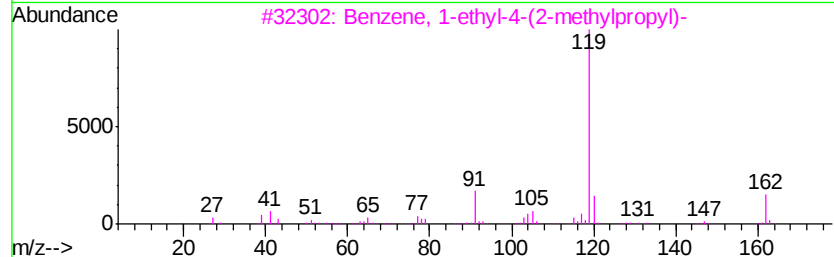
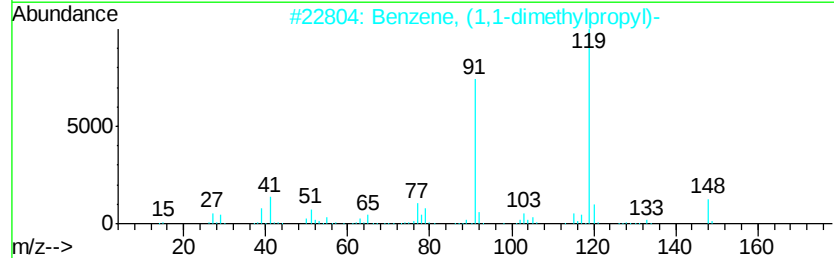
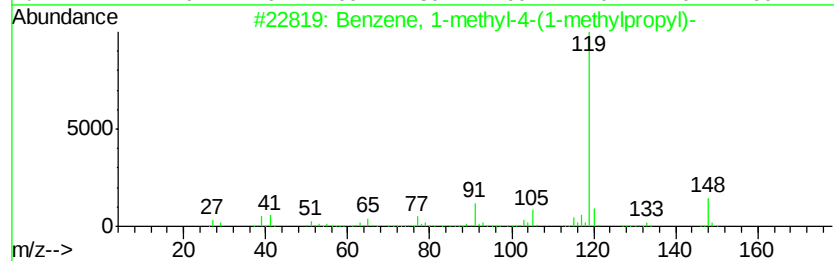
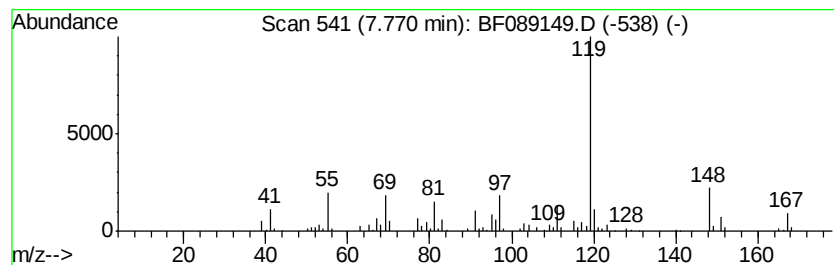
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 1-methyl-4-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	10.09 ng	352819	Napthalene-d8	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	68
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3		Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	50
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089149.D
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Operator : UM/SJ
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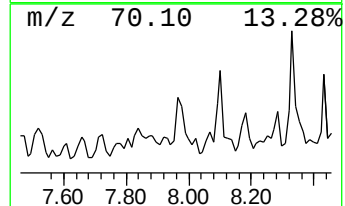
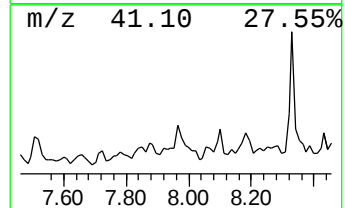
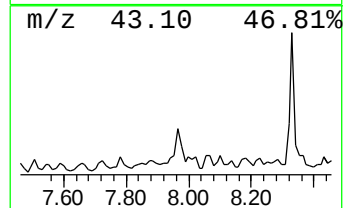
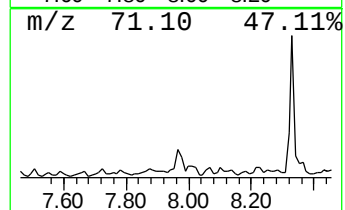
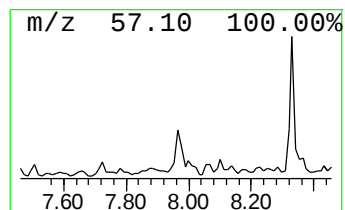
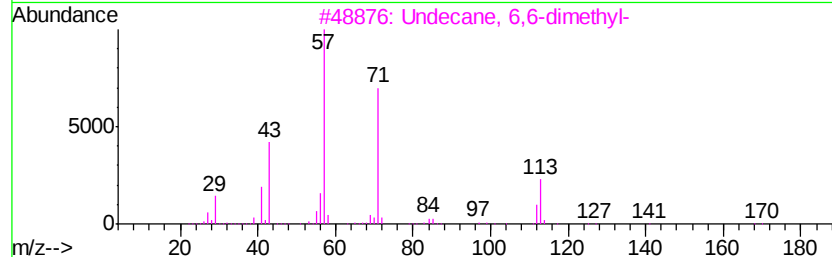
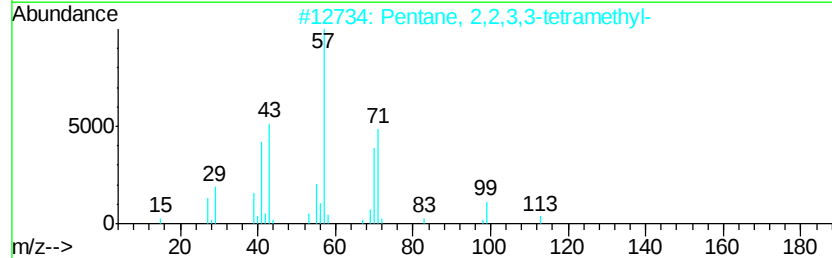
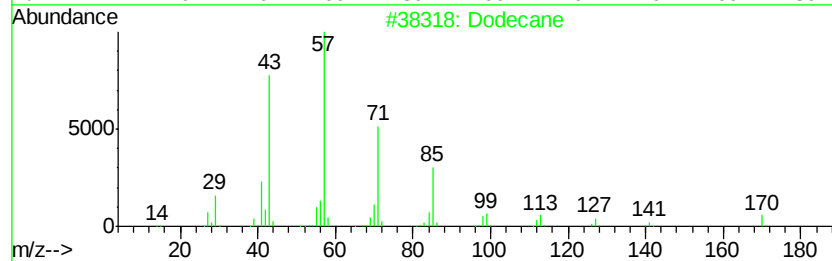
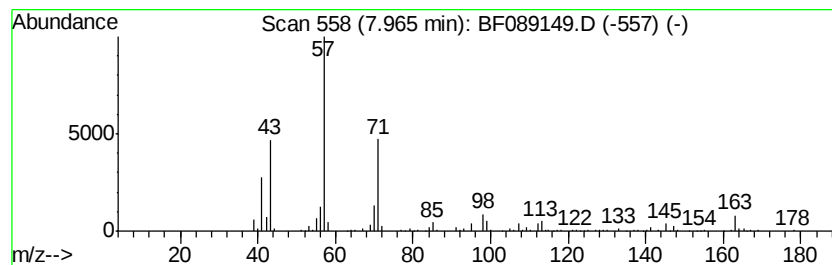
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	10.46 ng	365908	Napthalene-d8	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	59
2		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50
3		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	50
4		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	47
5		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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Acq On : 20 Jul 2016 23:53
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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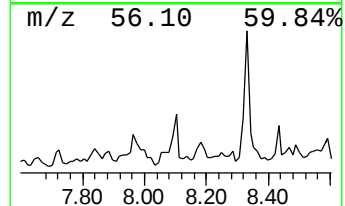
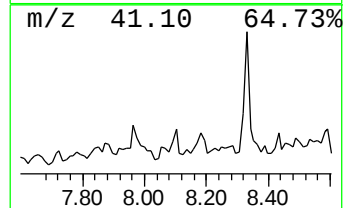
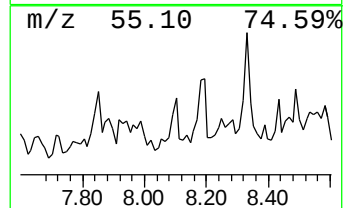
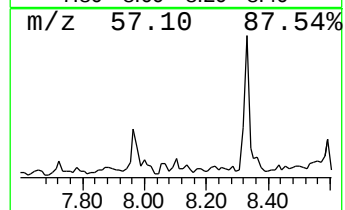
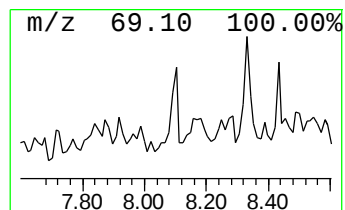
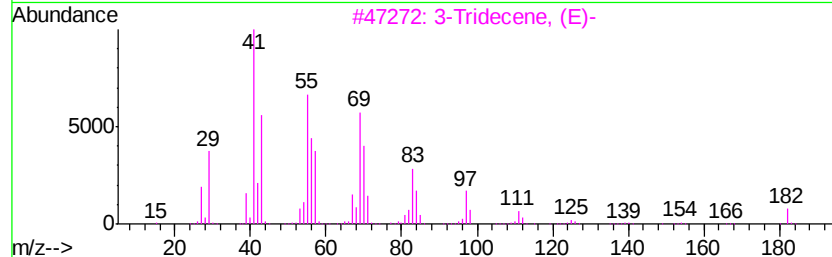
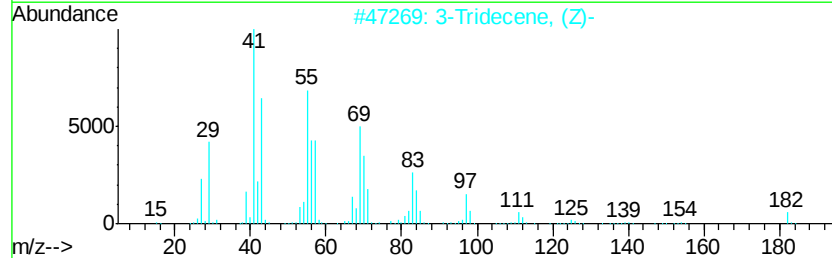
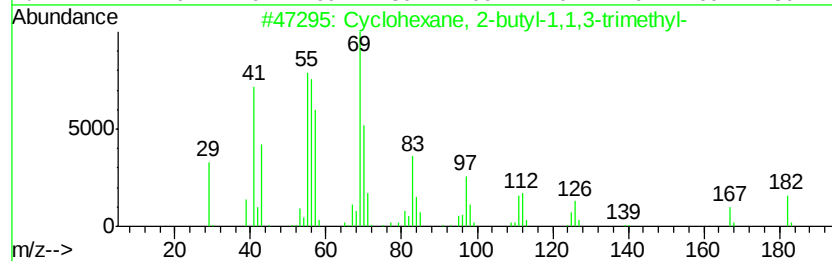
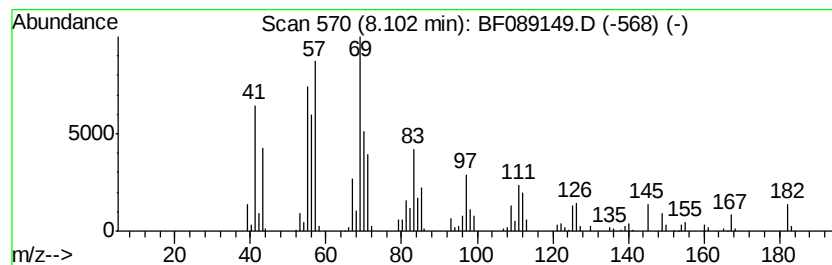
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	8.73 ng	305109	Napthalene-d8	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	93
2			3-Tridecene, (Z)-	182	C13H26	041446-53-1	81
3			3-Tridecene, (E)-	182	C13H26	041446-57-5	68
4			4-Nonene, 5-butyl-	182	C13H26	007367-38-6	62
5			Cyclopentane, propyl-	112	C8H16	002040-96-2	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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ALS Vial : 21 Sample Multiplier: 1

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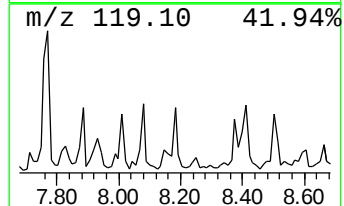
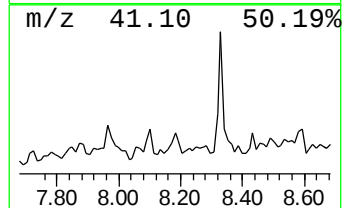
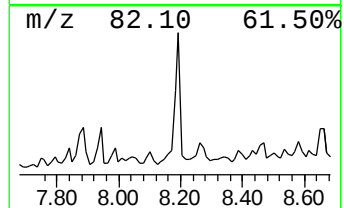
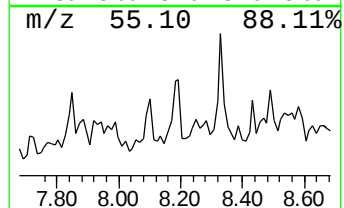
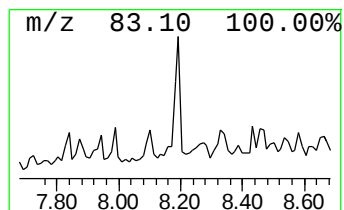
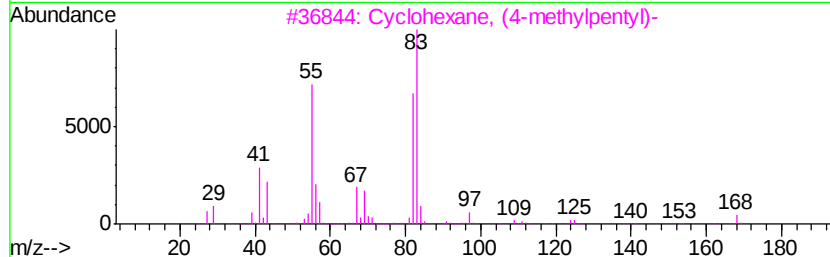
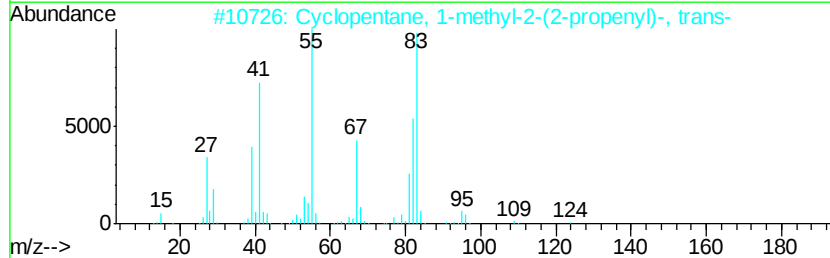
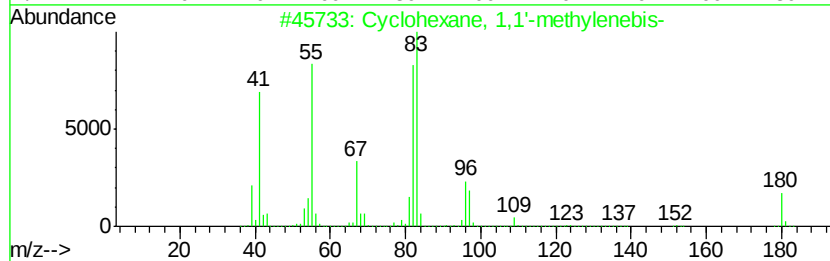
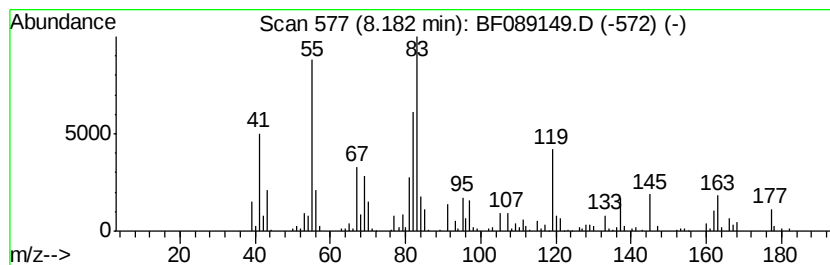
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown8.18 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	18.16 ng	635069	Naphthalene-d8	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	49
2		Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	45
3		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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Acq On : 20 Jul 2016 23:53
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Sample : H4112-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

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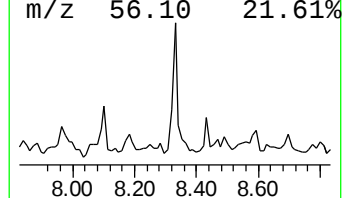
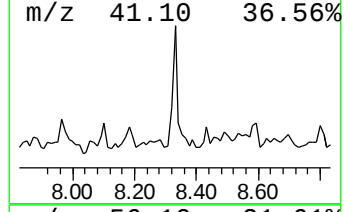
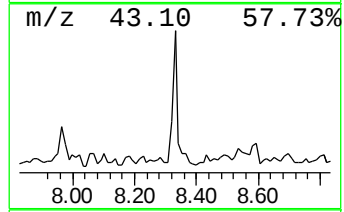
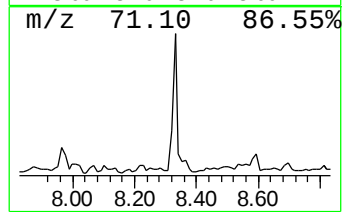
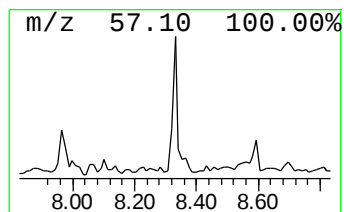
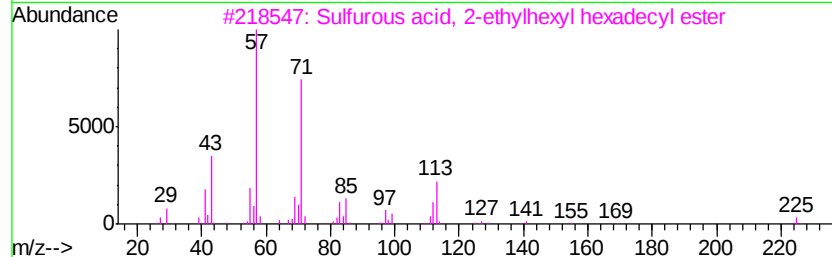
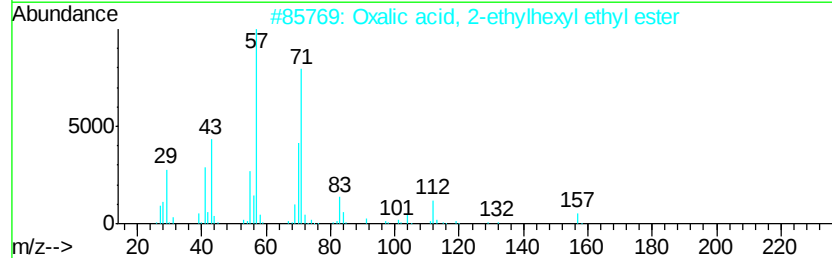
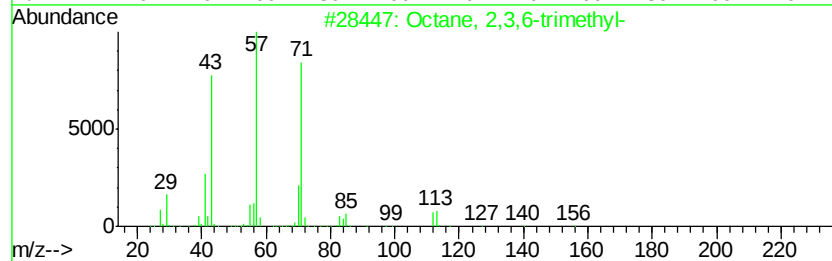
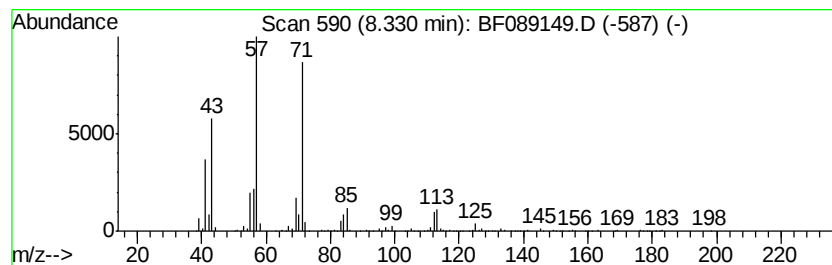
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octane, 2,3,6-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	46.03 ng	1609370	Naphthalene-d8	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
2		Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	64
3		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64
4		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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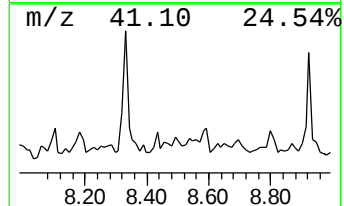
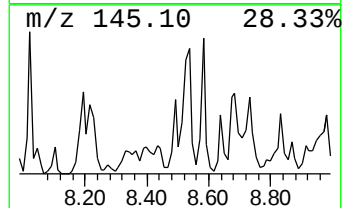
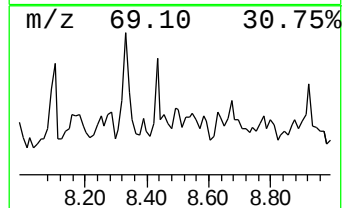
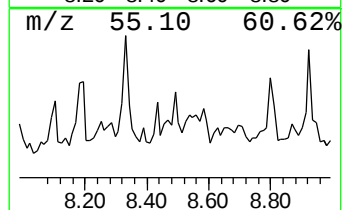
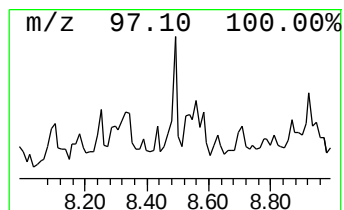
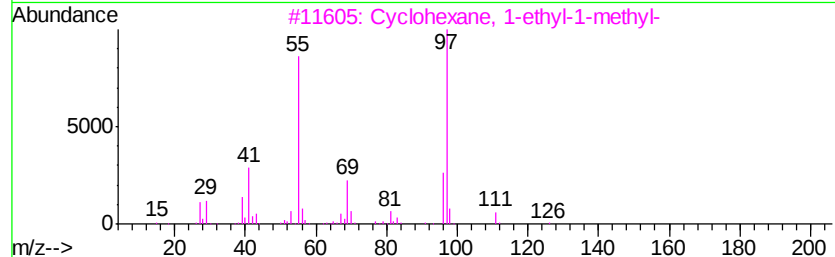
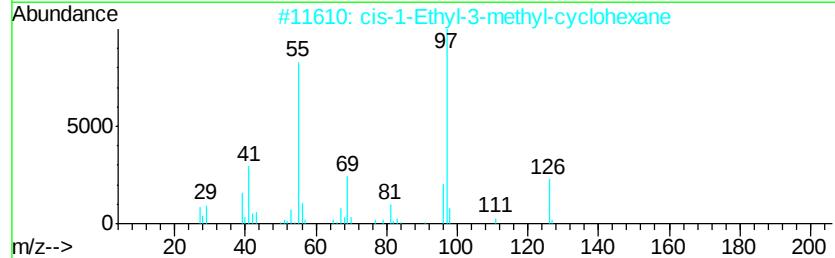
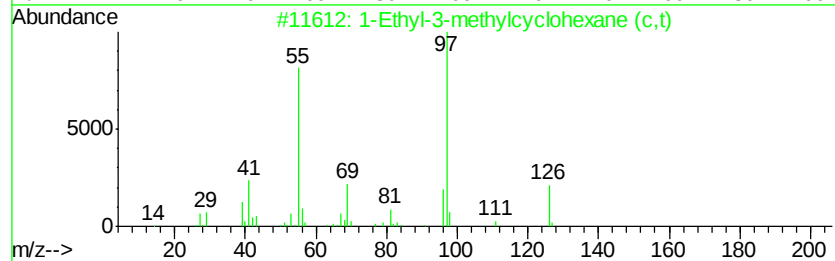
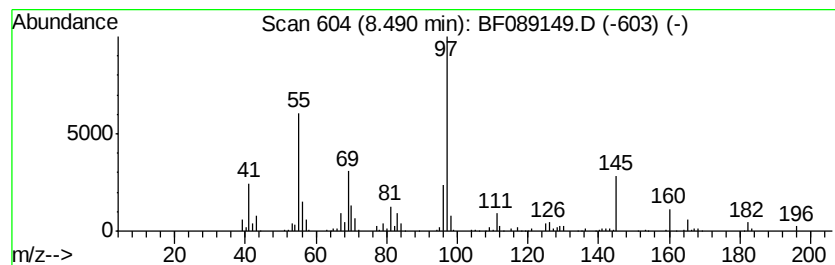
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Ethyl-3-methylcyclohexane... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	10.45 ng	365541	Napthalene-d8	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	52
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	52
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50
5		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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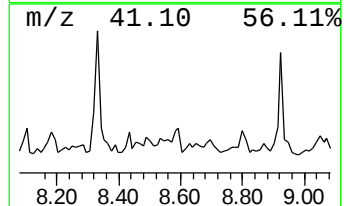
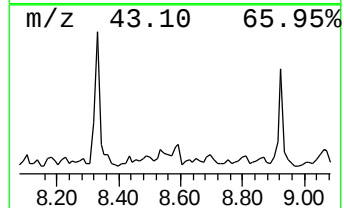
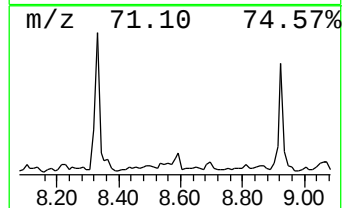
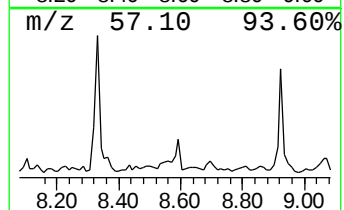
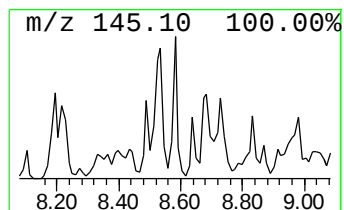
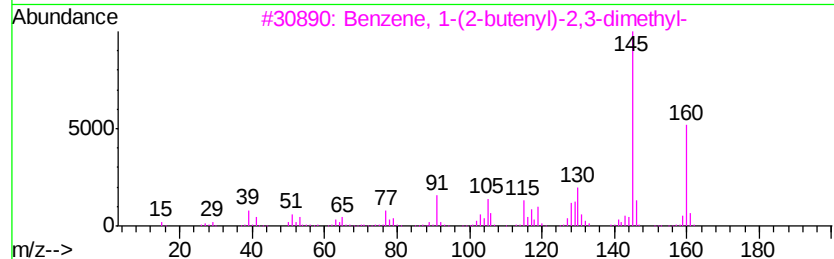
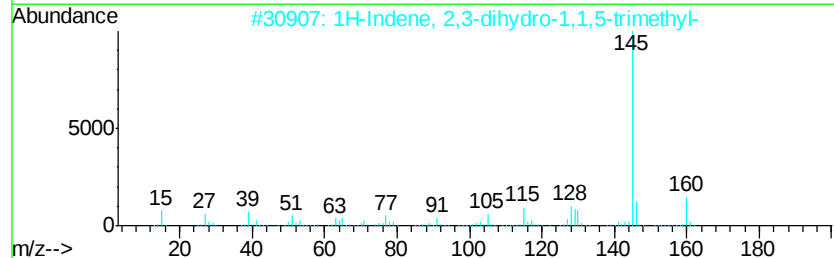
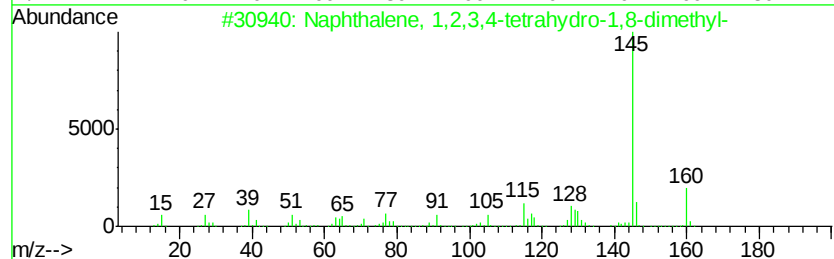
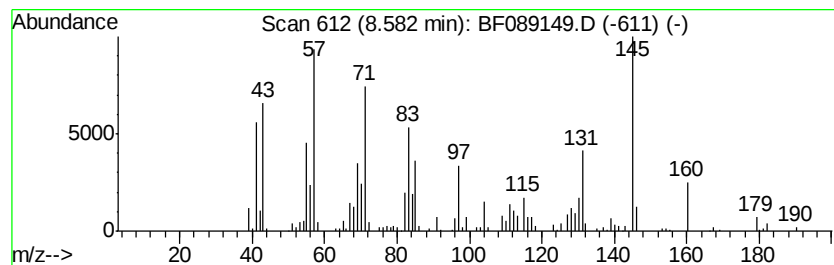
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown8.58 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	11.39 ng	398327	Naphthalene-d8	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	42
2			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	38
3			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	30
4			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	30
5			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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Sample : H4112-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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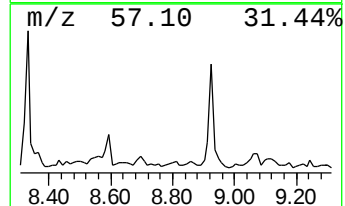
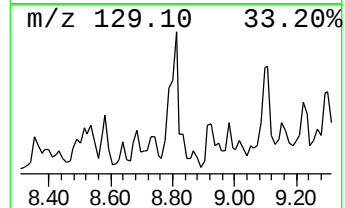
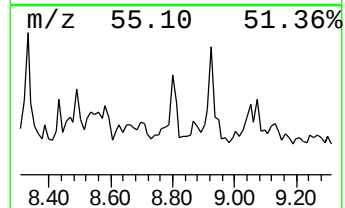
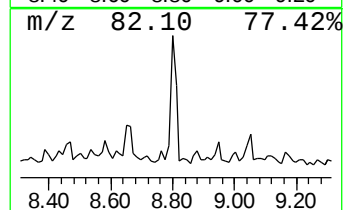
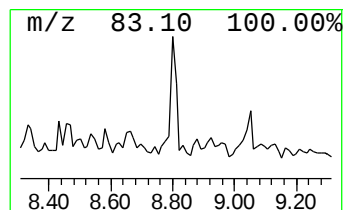
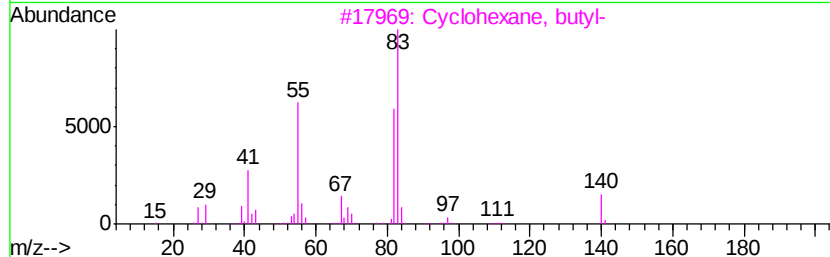
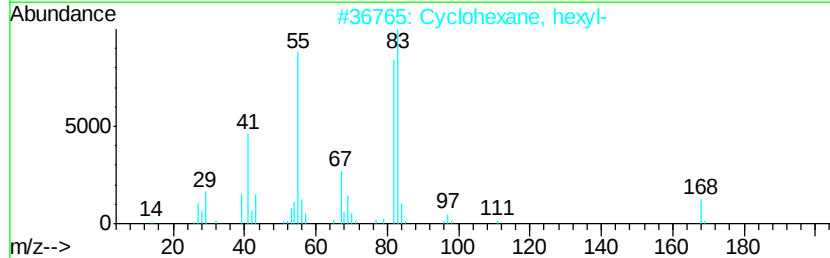
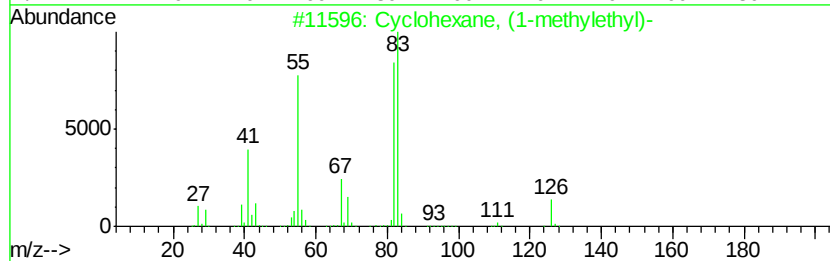
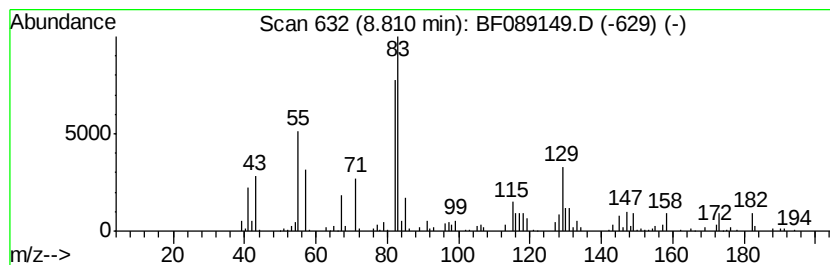
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown8.81 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	12.89 ng	444396	Acenaphthene-d10	9.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47
2		Cyclohexane, hexyl-	168	C12H24	004292-75-5	47
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	47
4		Heptylcyclohexane	182	C13H26	005617-41-4	40
5		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	38



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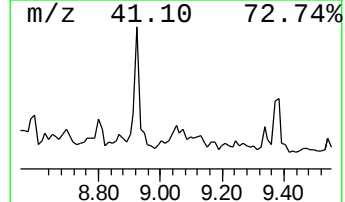
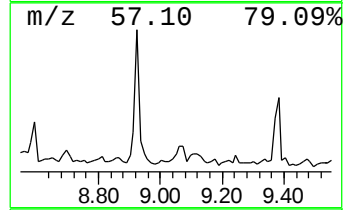
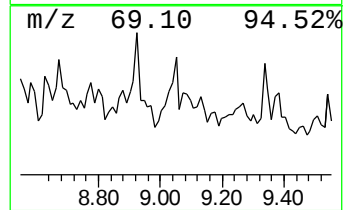
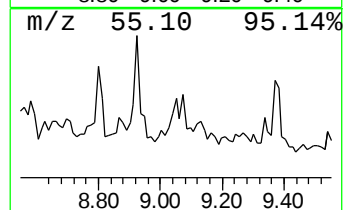
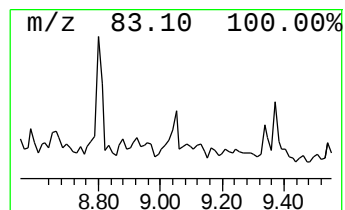
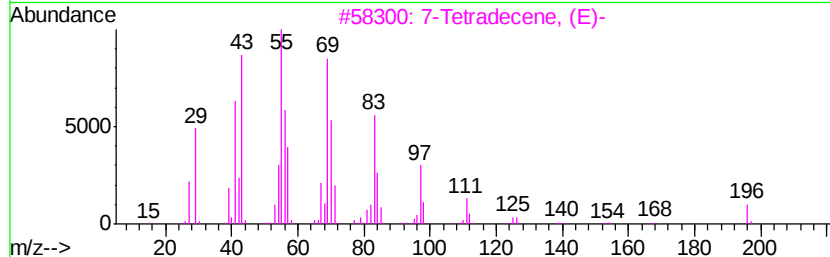
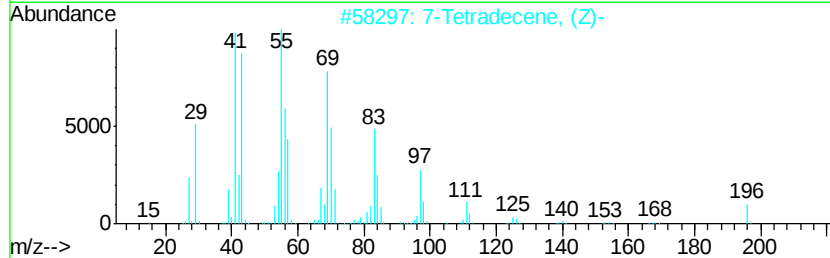
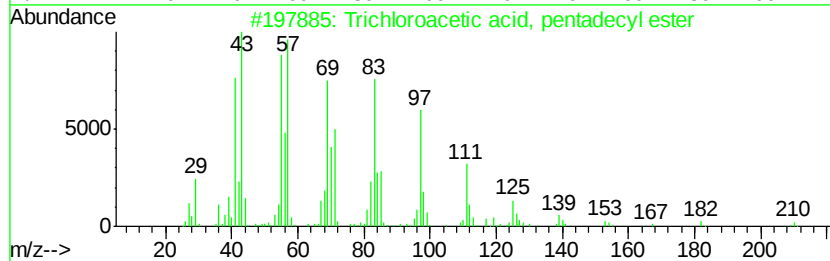
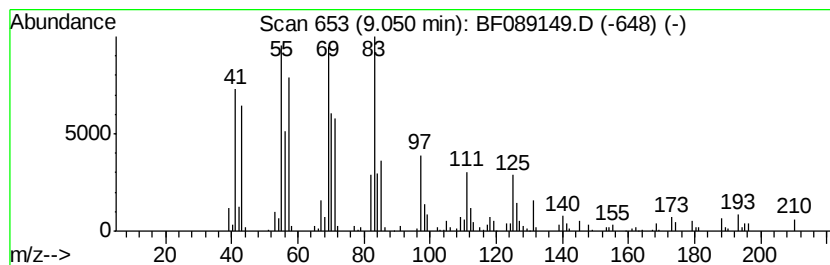
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Trichloroacetic acid, penta... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	16.04 ng	552937	Acenaphthene-d10	9.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	72
2			7-Tetradecene, (Z)-	196	C14H28	041446-60-0	70
3			7-Tetradecene, (E)-	196	C14H28	041446-63-3	70
4			6-Tetradecene, (E)-	196	C14H28	041446-64-4	64
5			7-Tetradecene	196	C14H28	010374-74-0	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089149.D
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ALS Vial : 21 Sample Multiplier: 1

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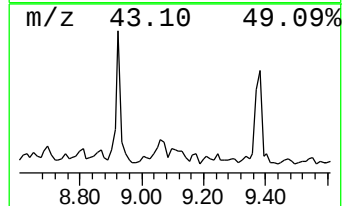
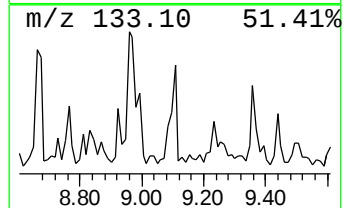
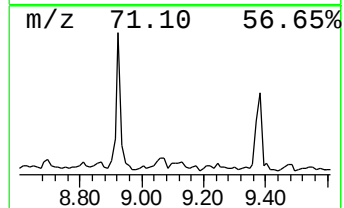
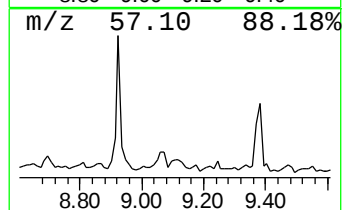
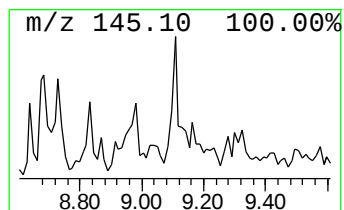
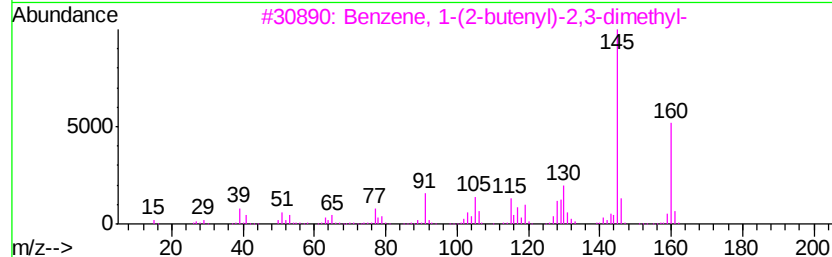
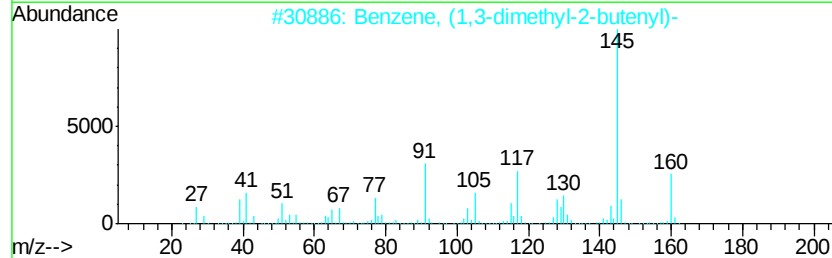
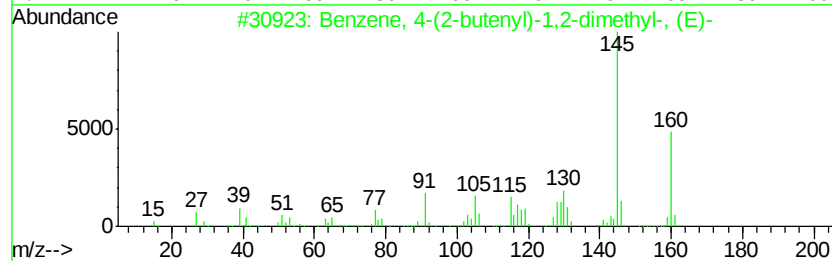
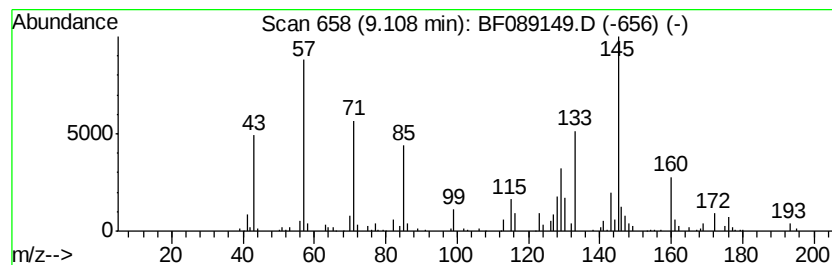
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown9.11 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	8.74 ng	301413	Acenaphthene-d10	9.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	38
2		Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	38
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	38
4		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	38
5		Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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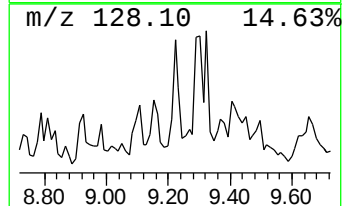
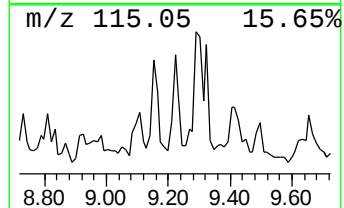
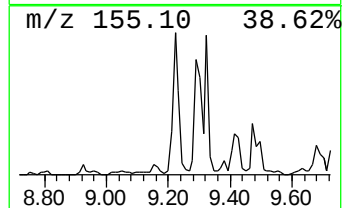
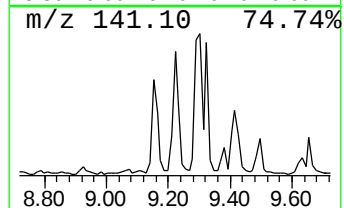
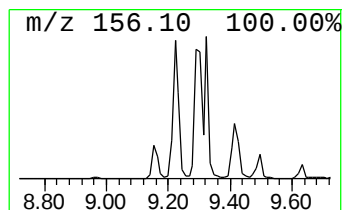
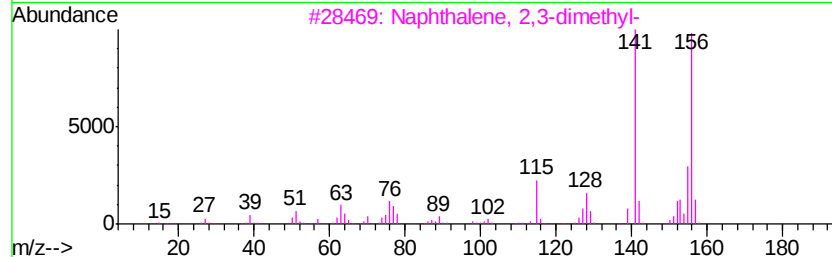
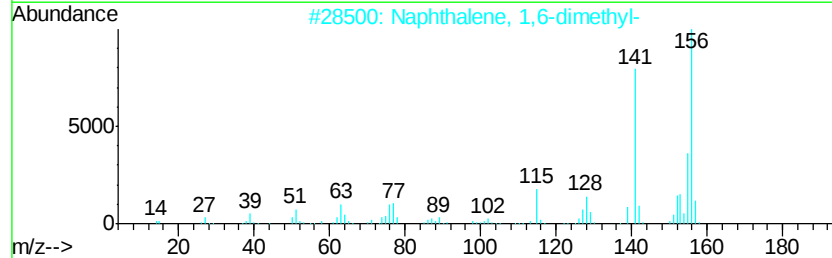
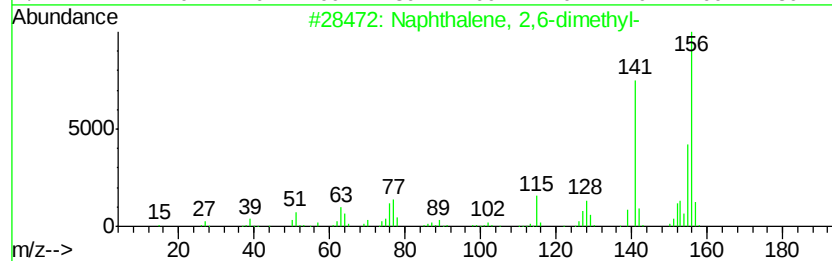
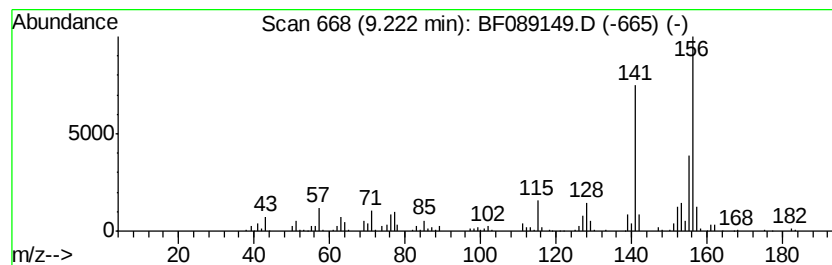
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	13.97 ng	481633	Acenaphthene-d10	9.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089149.D
Acq On : 20 Jul 2016 23:53
Operator : UM/SJ
Sample : H4112-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KSB-01-6.0-8.0

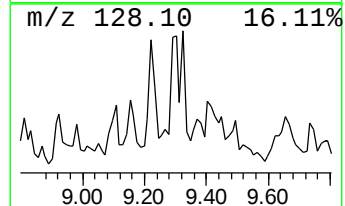
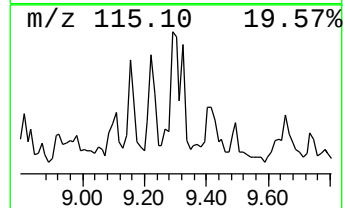
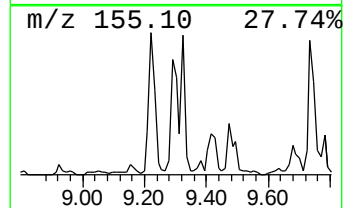
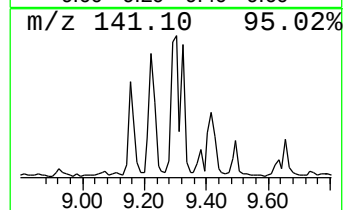
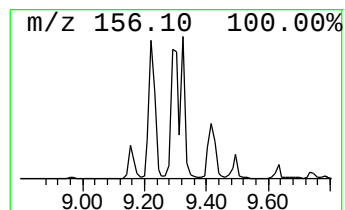
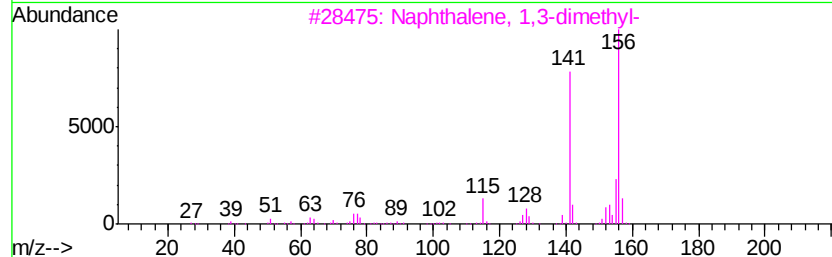
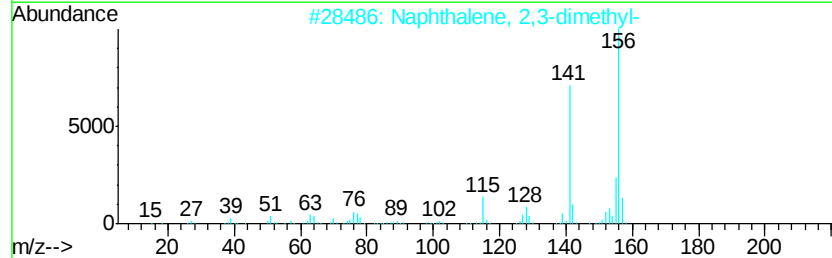
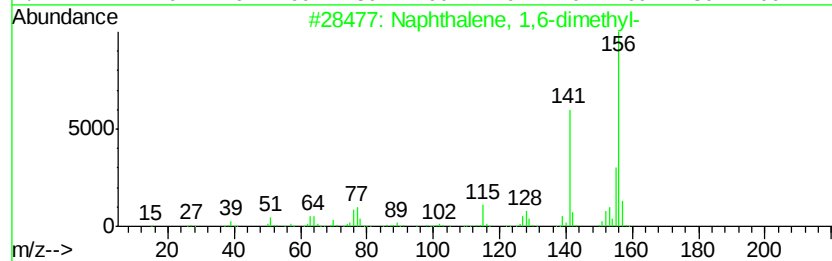
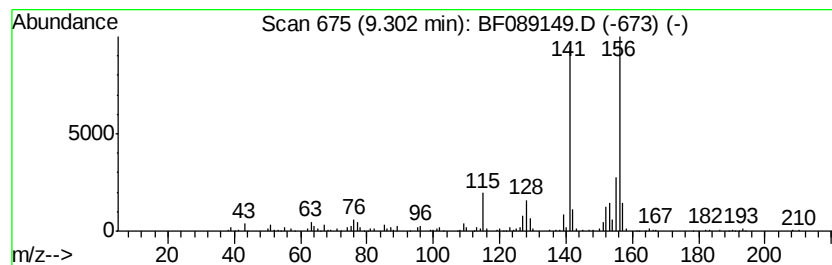
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	9.77 ng	336756	Acenaphthene-d10	9.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089149.D
 Acq On : 20 Jul 2016 23:53
 Operator : UM/SJ
 Sample : H4112-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-01-6.0-8.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.38	6.38	61.3	ng	1189820	1	6.60	388248	20.0
1-Ethyl-2,2,6-tri...	6.87	15.0	ng	291560	1	6.60	388248	20.0
Naphthalene, deca...	6.99	12.7	ng	247368	1	6.60	388248	20.0
unknown7.26	7.26	9.2	ng	320468	2	7.88	699311	20.0
unknown7.40	7.40	9.1	ng	318738	2	7.88	699311	20.0
Cyclopentane, 1-m...	7.52	23.3	ng	815789	2	7.88	699311	20.0
Benzene, 1-methyl...	7.77	10.1	ng	352819	2	7.88	699311	20.0
Dodecane	7.96	10.5	ng	365908	2	7.88	699311	20.0
Cyclohexane, 2-bu...	8.10	8.7	ng	305109	2	7.88	699311	20.0
unknown8.18	8.18	18.2	ng	635069	2	7.88	699311	20.0
Octane, 2,3,6-tri...	8.33	46.0	ng	1609370	2	7.88	699311	20.0
1-Ethyl-3-methylc...	8.49	10.4	ng	365541	2	7.88	699311	20.0
unknown8.58	8.58	11.4	ng	398327	2	7.88	699311	20.0
unknown8.81	8.81	12.9	ng	444396	3	9.63	689485	20.0
Trichloroacetic a...	9.05	16.0	ng	552937	3	9.63	689485	20.0
unknown9.11	9.11	8.7	ng	301413	3	9.63	689485	20.0
Naphthalene, 2,6-...	9.22	14.0	ng	481633	3	9.63	689485	20.0
Naphthalene, 1,6-...	9.30	9.8	ng	336756	3	9.63	689485	20.0