

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096344.D
 Acq On : 30 Jun 2017 18:55
 Operator : SJ/MA
 Sample : I3955-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A1022C

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-BF062717.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	3.663	262	268	278	rBV3	32676	89747	1.33%	0.146%
2	4.722	443	448	464	rBV3	122753	351293	5.22%	0.572%
3	5.122	511	516	528	rBV	95412	170843	2.54%	0.278%
4	5.363	553	557	564	rBV	115533	121021	1.80%	0.197%
5	5.840	634	638	643	rBV3	61800	120019	1.78%	0.196%
6	6.275	706	712	722	rBV3	85963	189971	2.82%	0.310%
7	6.381	728	730	733	rVB	133880	93508	1.39%	0.152%
8	6.445	737	741	749	rVB2	88630	141785	2.11%	0.231%
9	6.522	750	754	757	rBV	521133	431339	6.41%	0.703%
10	6.757	791	794	801	rVB	1043461	913686	13.57%	1.489%
11	6.822	801	805	810	rVB2	108053	152444	2.26%	0.248%
12	6.881	810	815	818	rBV2	326035	380951	5.66%	0.621%
13	6.916	818	821	824	rBV	562025	457503	6.80%	0.745%
14	6.951	824	827	831	rVB	200933	191151	2.84%	0.311%
15	6.998	831	835	837	rBV2	165095	189203	2.81%	0.308%
16	7.098	846	852	856	rBV4	173864	306146	4.55%	0.499%
17	7.175	863	865	871	rVB	378611	483580	7.18%	0.788%
18	7.240	871	876	879	rBV6	181574	343068	5.10%	0.559%
19	7.298	883	886	891	rBV2	1585827	1968974	29.24%	3.208%
20	7.340	891	893	896	rVV	733062	680850	10.11%	1.109%
21	7.375	896	899	902	rVB	350028	360525	5.35%	0.587%
22	7.410	902	905	909	rBV3	310426	430217	6.39%	0.701%
23	7.445	909	911	915	rVB2	341379	357381	5.31%	0.582%
24	7.492	915	919	921	rBV	753039	749204	11.13%	1.221%
25	7.569	926	932	937	rVB3	671013	1215186	18.05%	1.980%
26	7.622	937	941	944	rBV3	300349	337615	5.01%	0.550%
27	7.651	944	946	948	rBV2	93377	96398	1.43%	0.157%
28	7.716	951	957	960	rBV	919865	1175042	17.45%	1.915%
29	7.745	960	962	966	rVB2	328072	379001	5.63%	0.618%
30	7.792	967	970	972	rBV	206673	162423	2.41%	0.265%
31	7.863	979	982	986	rVB	1636348	1407612	20.91%	2.293%
32	7.904	986	989	993	rBV	884054	976532	14.50%	1.591%
33	7.957	993	998	999	rBV	179822	231100	3.43%	0.377%
34	7.981	1000	1002	1004	rVB2	237538	190788	2.83%	0.311%

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

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

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35	8.039	1010	1012	1018	rVB	1289962	1226662	18.22%	1.999%
36	8.104	1019	1023	1026	rBV2	553806	580533	8.62%	0.946%
37	8.145	1026	1030	1034	rBV2	721608	855167	12.70%	1.393%
38	8.187	1034	1037	1038	rBV2	166505	174414	2.59%	0.284%
39	8.210	1038	1041	1046	rVB2	661696	747417	11.10%	1.218%
40	8.257	1046	1049	1051	rBV	302526	252460	3.75%	0.411%
41	8.292	1051	1055	1058	rVB2	362574	445530	6.62%	0.726%
42	8.322	1058	1060	1062	rBV	243463	207600	3.08%	0.338%
43	8.410	1066	1075	1076	rBV6	347625	851406	12.65%	1.387%
44	8.439	1076	1080	1083	rBV2	1105144	1287530	19.12%	2.098%
45	8.469	1083	1085	1086	rBV	453401	386603	5.74%	0.630%
46	8.539	1094	1097	1100	rBV	499466	512694	7.61%	0.835%
47	8.581	1100	1104	1108	rBV	3715596	4248238	63.10%	6.922%
48	8.639	1110	1114	1115	rBV2	941018	1120333	16.64%	1.825%
49	8.704	1122	1125	1128	rVB2	1313257	1118381	16.61%	1.822%
50	8.734	1128	1130	1135	rVB4	1497313	2265286	33.65%	3.691%
51	8.781	1135	1138	1139	rBV	517662	511600	7.60%	0.834%
52	8.816	1139	1144	1149	rBV2	1505404	2892006	42.95%	4.712%
53	8.898	1149	1158	1166	rBV6	1735831	6732768	100.00%	10.970%
54	8.992	1170	1174	1176	rBV3	2063583	3098148	46.02%	5.048%
55	9.045	1180	1183	1187	rBV3	2247943	3111321	46.21%	5.069%
56	9.292	1223	1225	1227	rBV	1032443	932293	13.85%	1.519%
57	9.345	1230	1234	1239	rVB2	2915071	4344100	64.52%	7.078%
58	9.386	1239	1241	1244	rBV	1567885	1751710	26.02%	2.854%
59	9.545	1265	1268	1270	rBV	880966	1120795	16.65%	1.826%
60	9.798	1306	1311	1314	rBV	2298040	4754159	70.61%	7.746%

Sum of corrected areas: 61375260

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.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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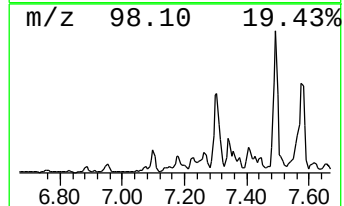
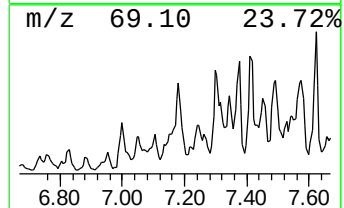
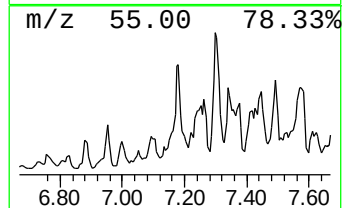
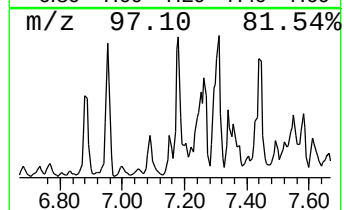
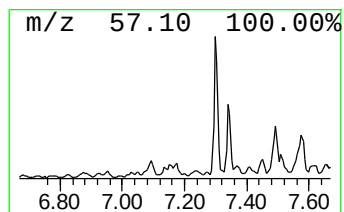
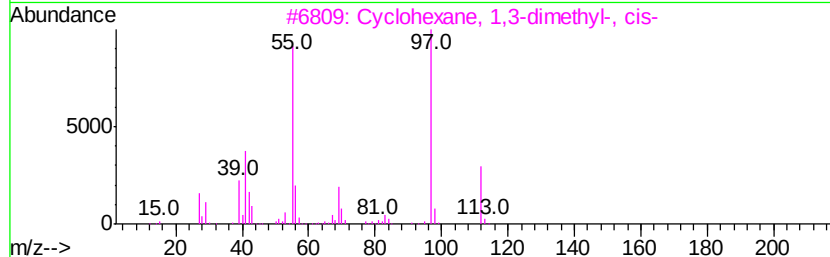
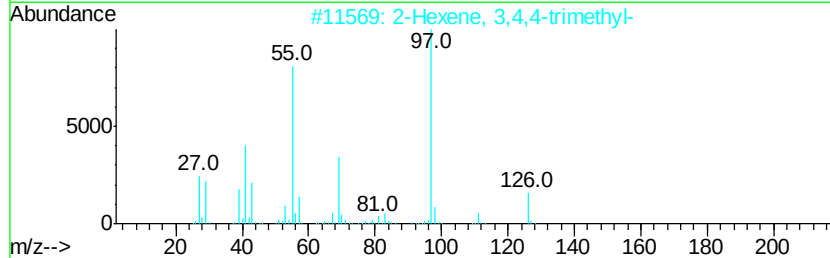
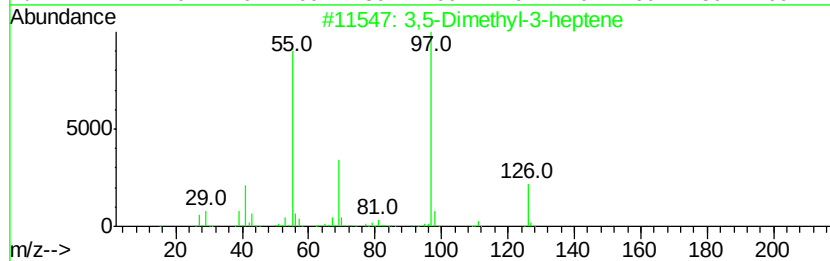
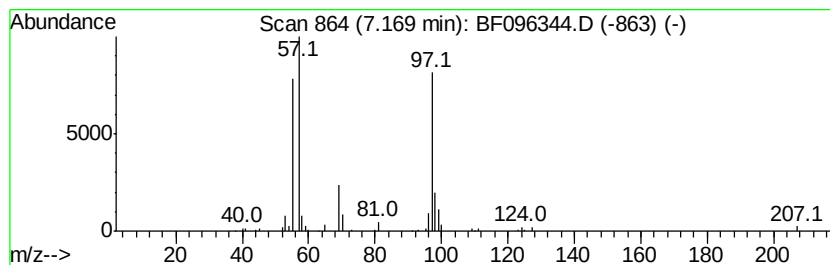
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 3,5-Dimethyl-3-heptene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	10.59 ng	483580	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
2		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	50
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	45
4		(S)-(+)-6-Methyl-1-octanol	144	C9H20O	110453-78-6	43
5		2-Thiopheneacetic acid, undec-10...	294	C17H26O2S	1000278-91-6	43



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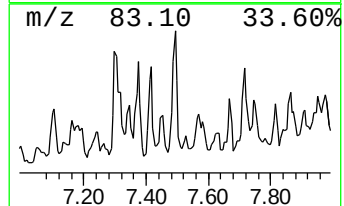
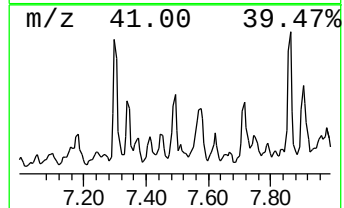
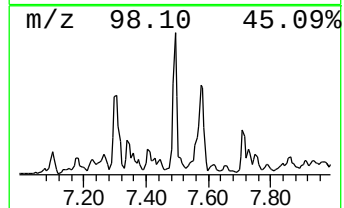
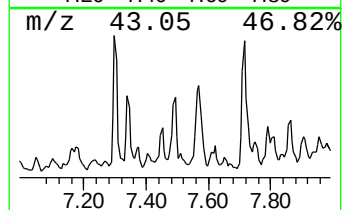
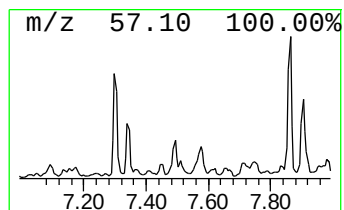
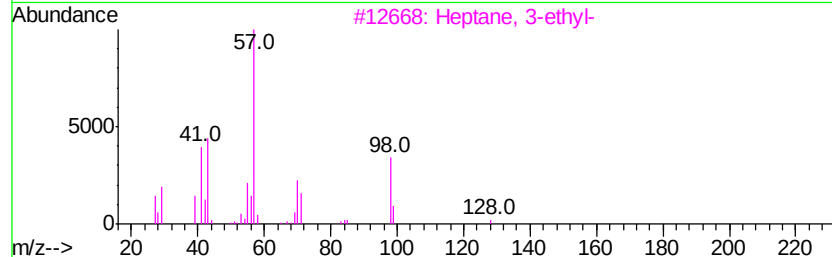
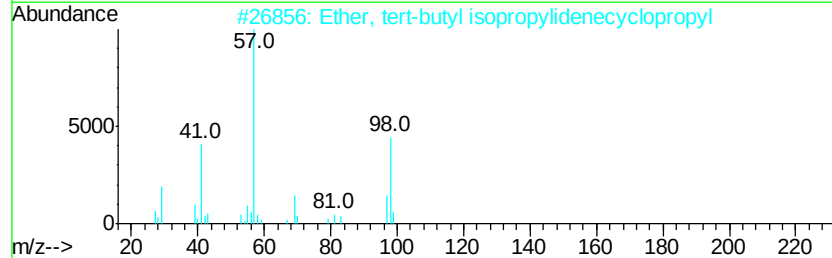
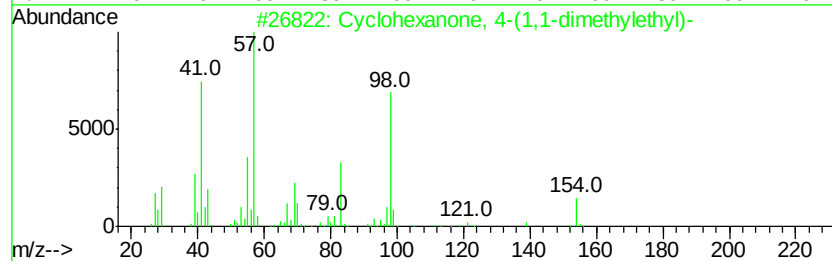
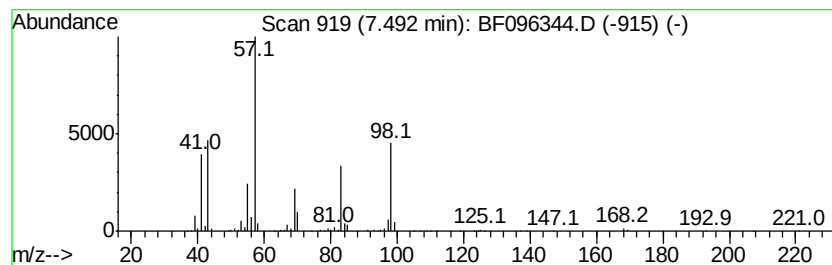
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexanone, 4-(1,1-dimet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	12.22 ng	749204	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	50
2		Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	38
3		Heptane, 3-ethyl-	128	C9H20	015869-80-4	38
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	37
5		1-Pentene, 4,4-dimethyl-	98	C7H14	000762-62-9	35



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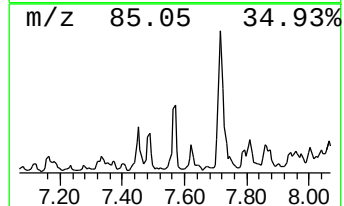
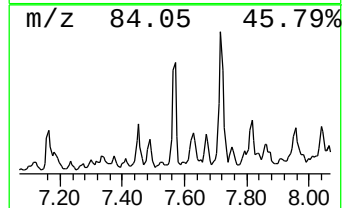
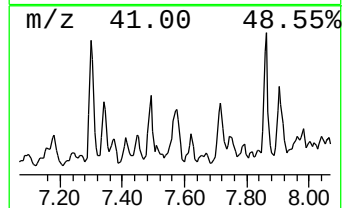
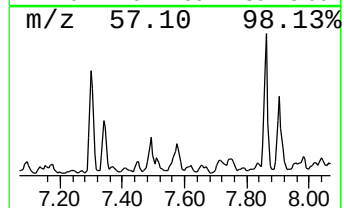
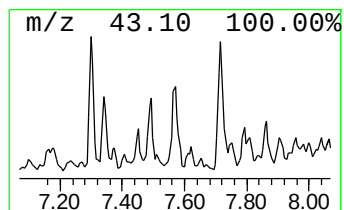
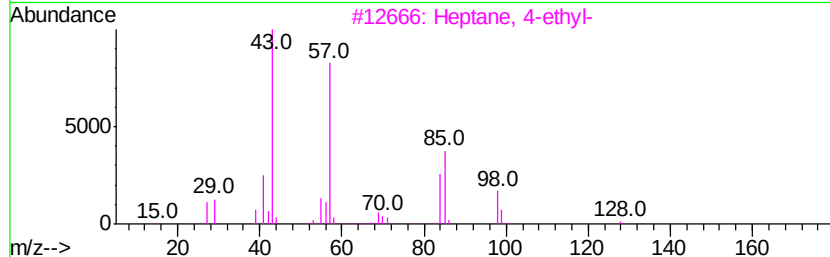
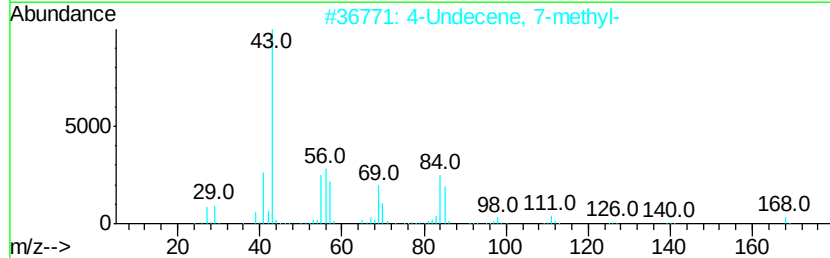
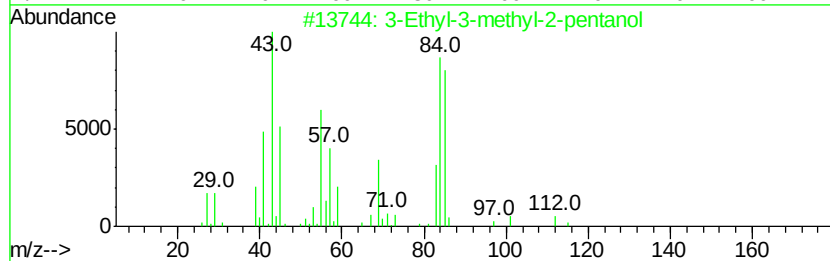
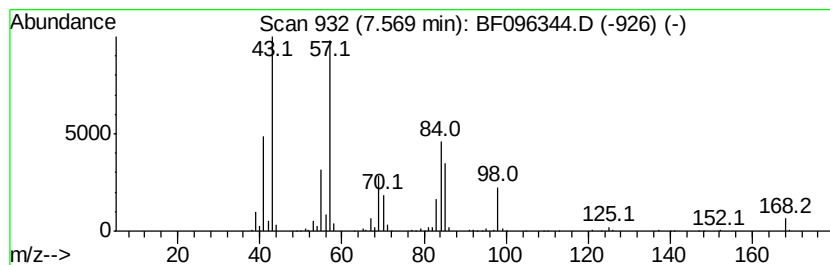
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown7.57 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	19.81 ng	1215190	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Ethyl-3-methyl-2-pentanol	130	C8H18O	066576-22-5	47
2		4-Undecene, 7-methyl-	168	C12H24	076441-79-7	47
3		Heptane, 4-ethyl-	128	C9H20	002216-32-2	42
4		Hexane, 3-ethyl-	114	C8H18	000619-99-8	40
5		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	38



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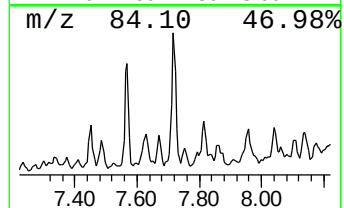
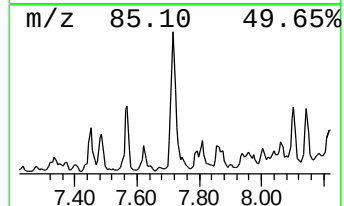
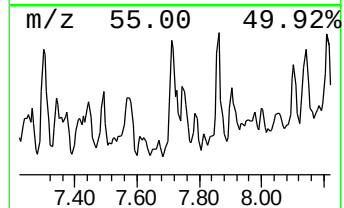
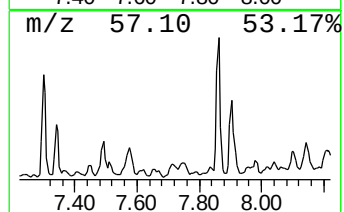
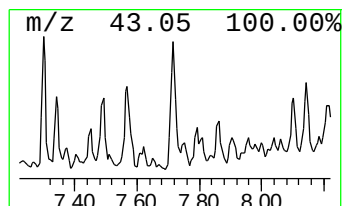
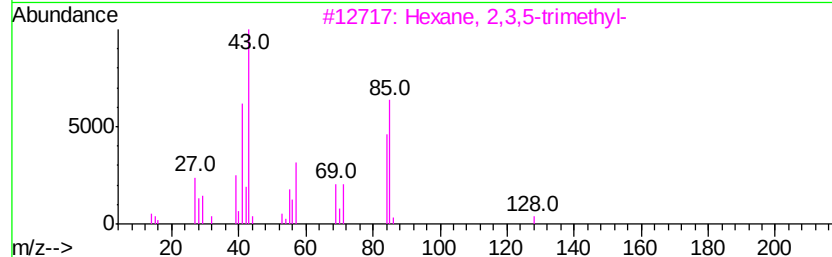
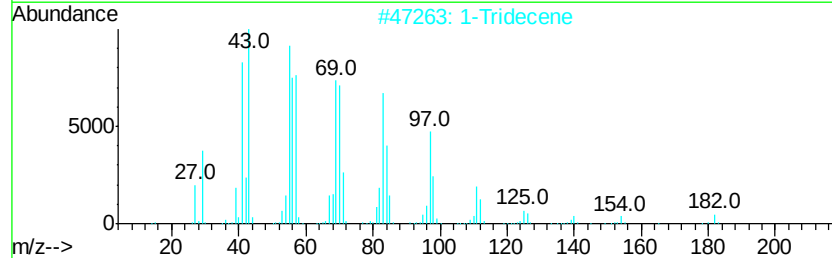
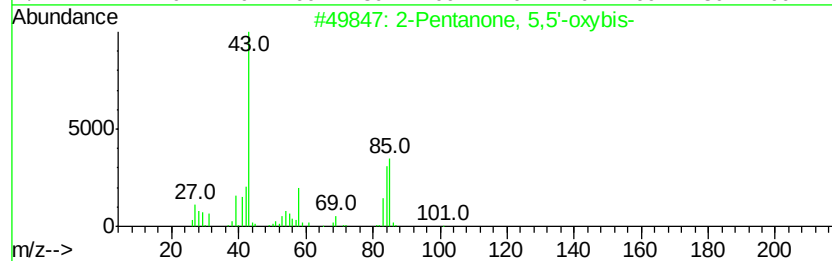
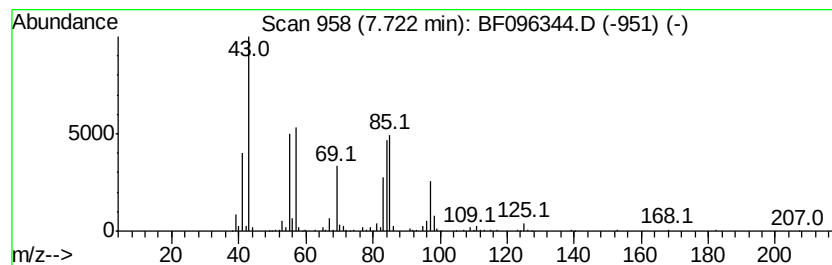
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 2-Pentanone, 5,5'-oxybis- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	19.16 ng	1175040	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 5,5'-oxybis-	186	C10H18O3	093677-66-8	53
2		1-Tridecene	182	C13H26	002437-56-1	47
3		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	38
4		3-Pentyn-2-one, 5,5-diethoxy-	170	C9H14O3	055402-04-5	37
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	35



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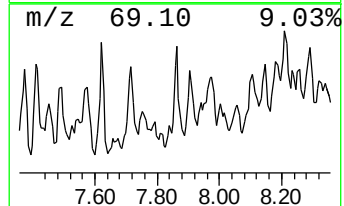
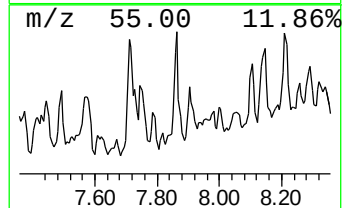
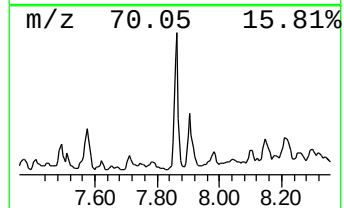
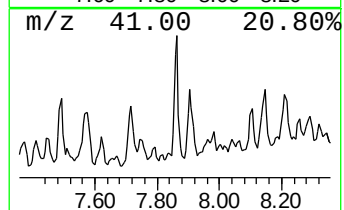
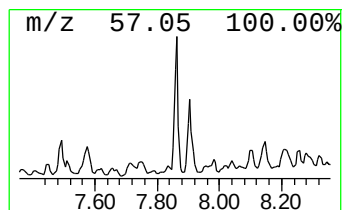
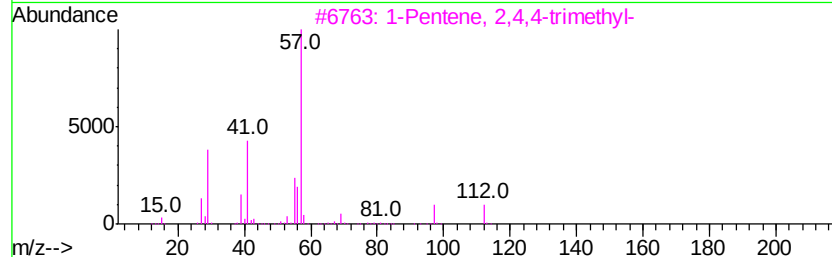
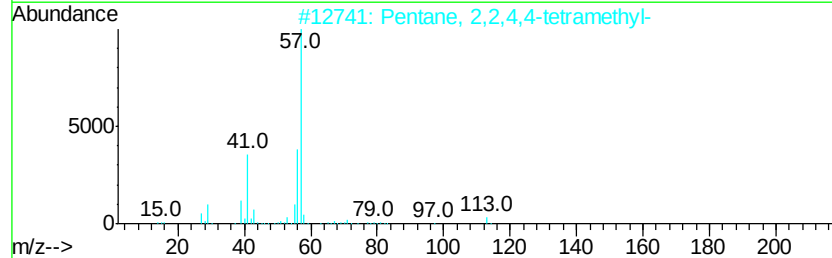
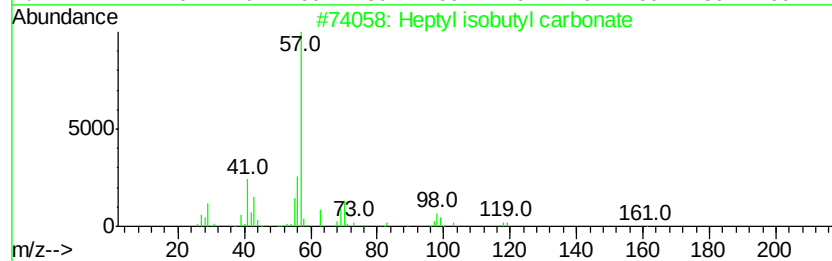
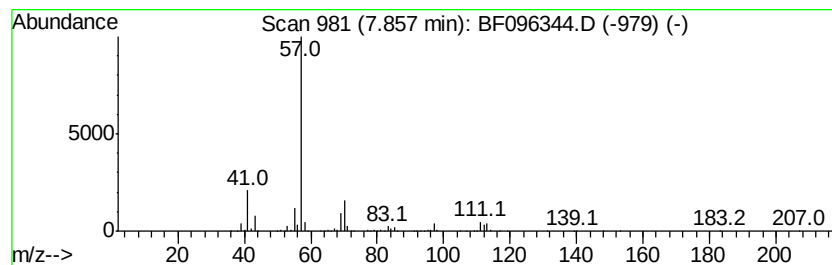
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.86 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	22.95 ng	1407610	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	36
2		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	32
3		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	32
4		3-Heptanone, 5-methylene-	126	C8H14O	020690-70-4	28
5		Aluminum, triethyl-	114	C6H15Al	000097-93-8	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096344.D
Acq On : 30 Jun 2017 18:55
Operator : SJ/MA
Sample : I3955-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

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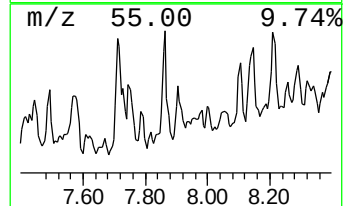
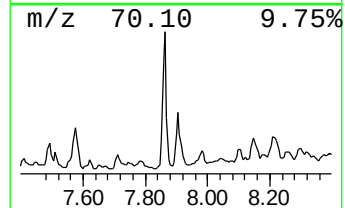
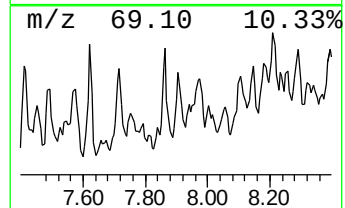
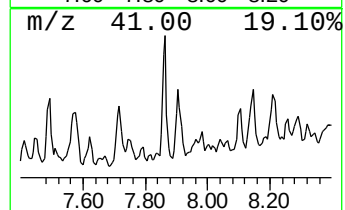
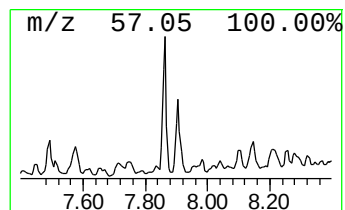
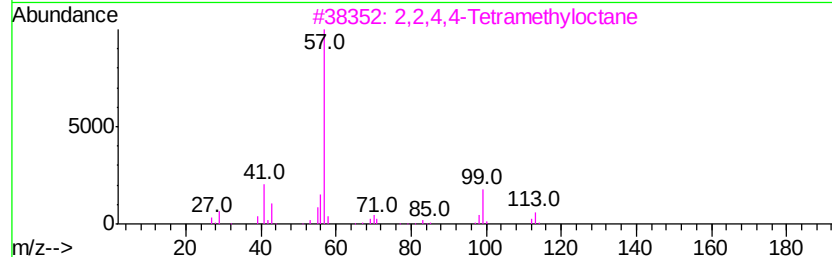
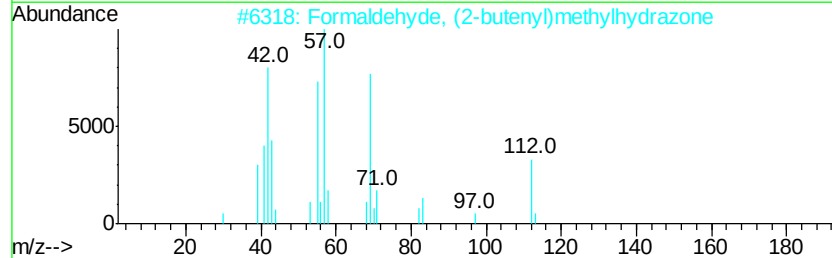
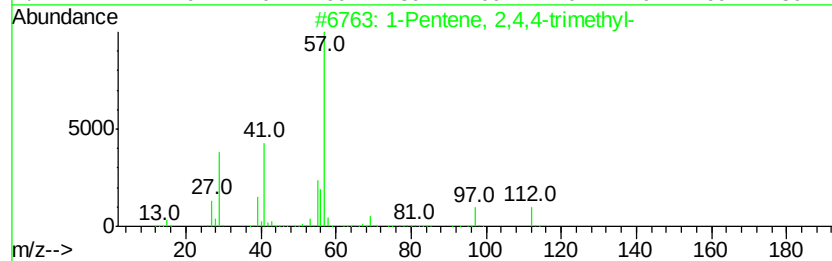
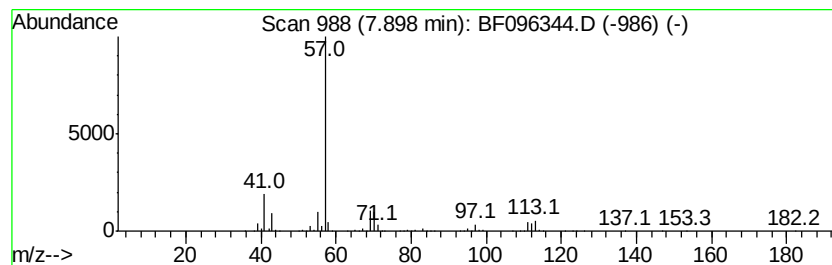
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.90 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	15.92 ng	976532	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	35
2		Formaldehyde, (2-butenyl)methylh...	112	C6H12N2	068661-51-8	35
3		2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	33
4		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	33
5		2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	28



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
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Sample : I3955-01
Misc :
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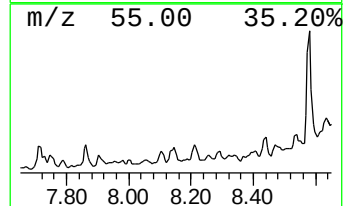
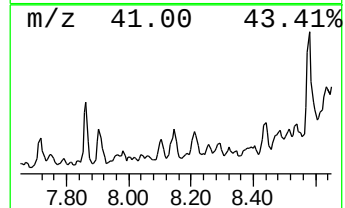
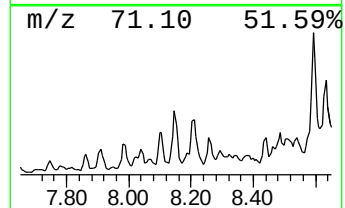
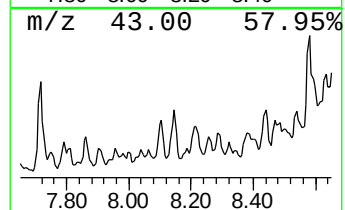
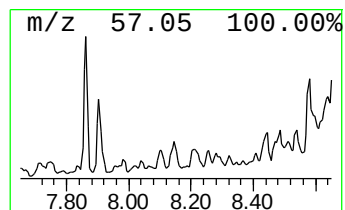
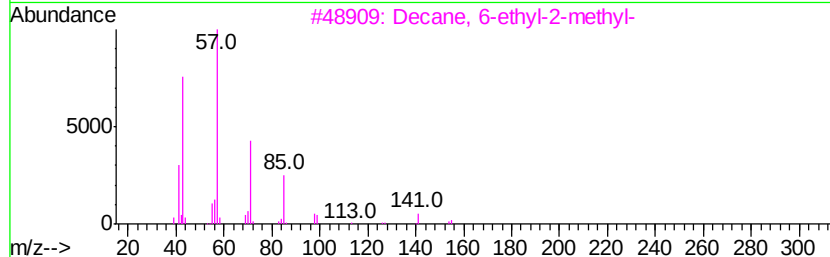
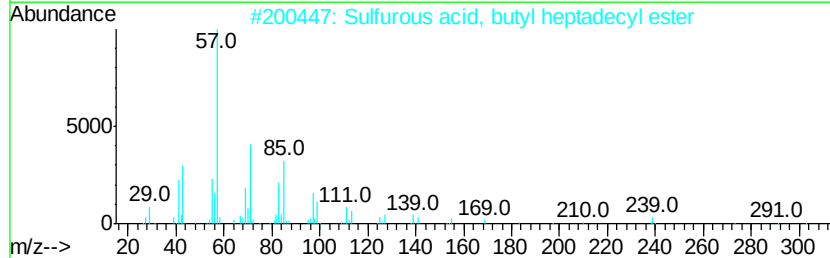
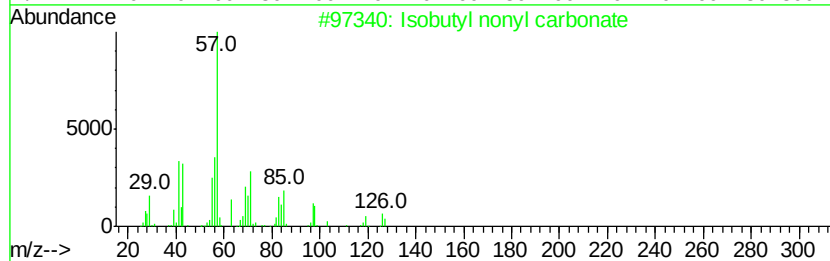
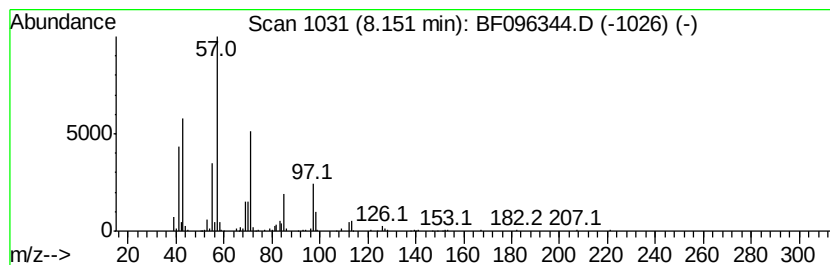
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Isobutyl nonyl carbonate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.15	13.94 ng	855167	Napthalene-d8	8.04		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	59	
2	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	59	
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	53	
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	53	
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	50	



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Sample : I3955-01
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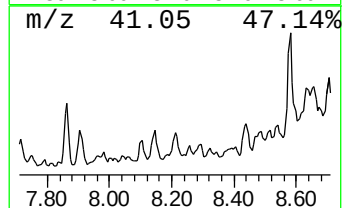
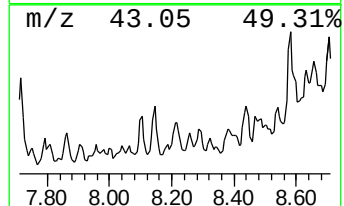
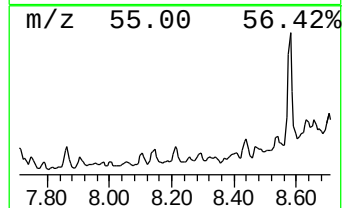
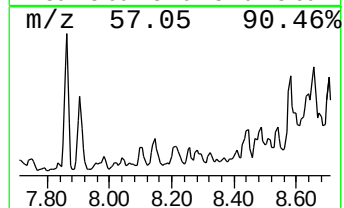
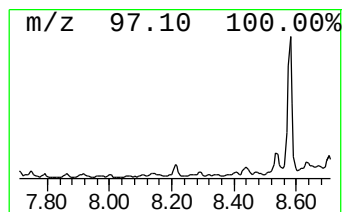
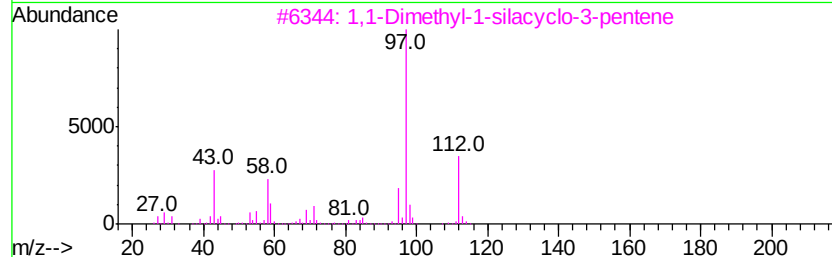
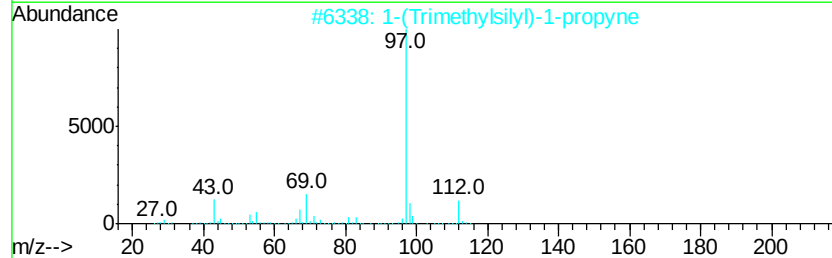
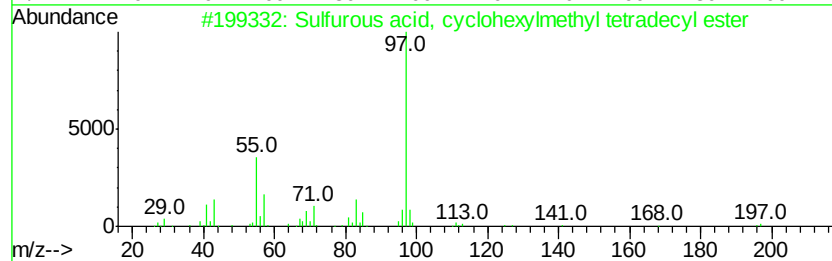
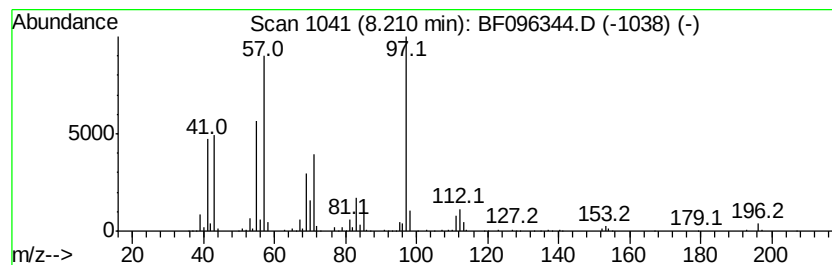
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Sulfurous acid, cyclohexylm... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	12.19 ng	747417	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethvl...	374	C21H42O3S	1000309-22-2	50
2		1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	49
3		1,1-Dimethyl-1-silacyclo-3-pentene	112	C6H12Si	016054-12-9	47
4		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	46
5		Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
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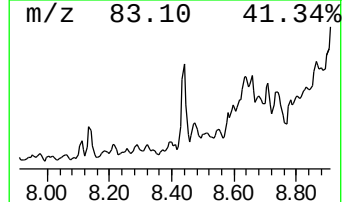
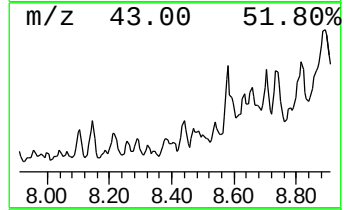
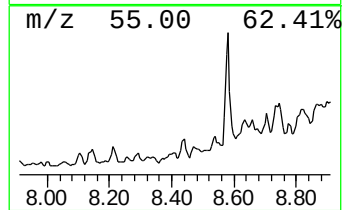
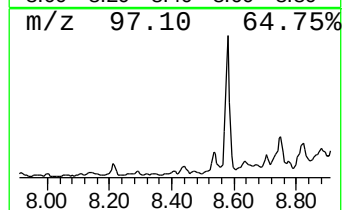
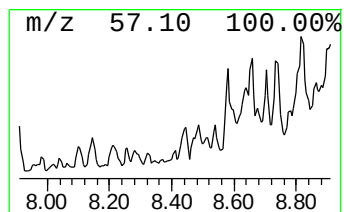
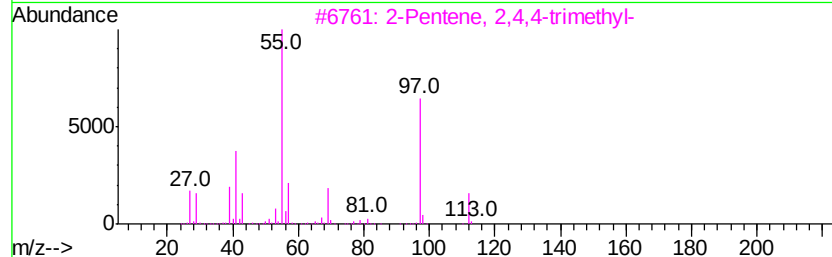
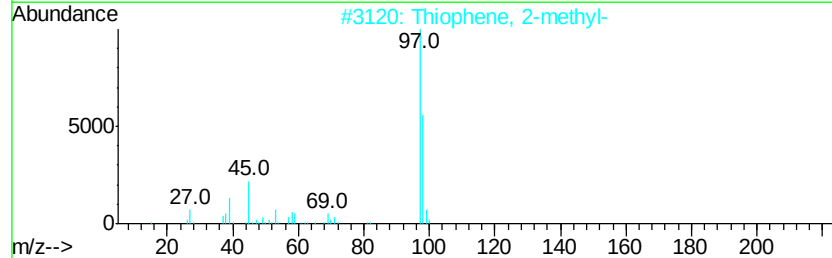
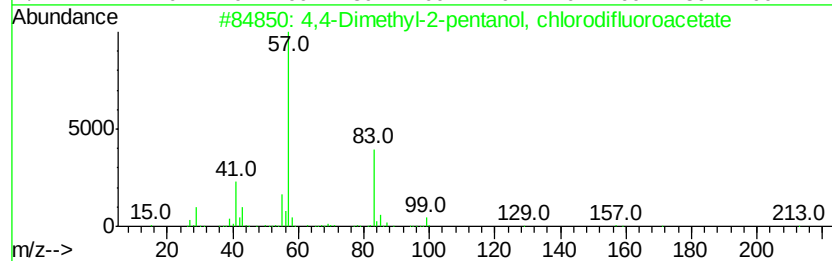
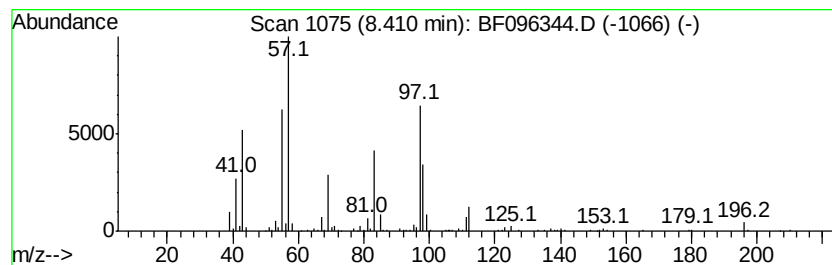
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.41 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	13.88 ng	851406	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4-Dimethyl-2-pentanol, chlorod...	228	C9H15ClF2O2	1000376-27-0	35
2		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	30
3		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	27
4		2(5H)-Furanone, 5-methyl-	98	C5H6O2	000591-11-7	27
5		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
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Misc :
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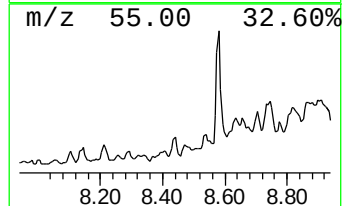
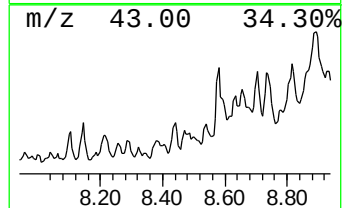
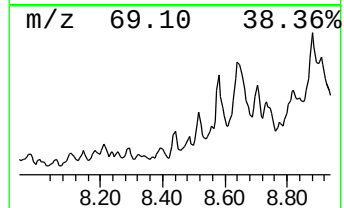
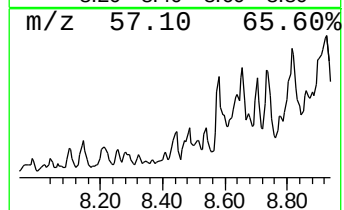
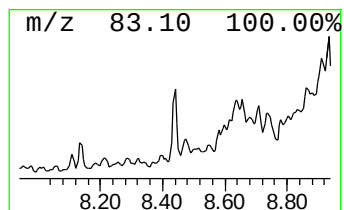
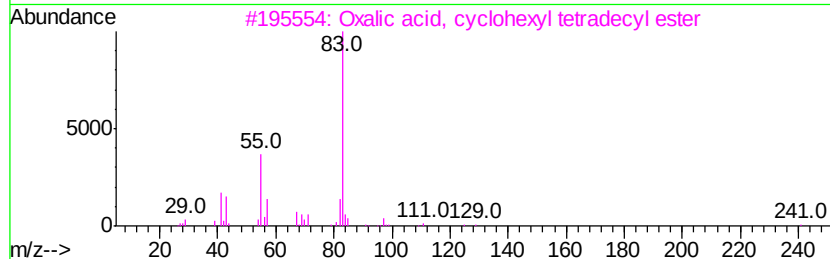
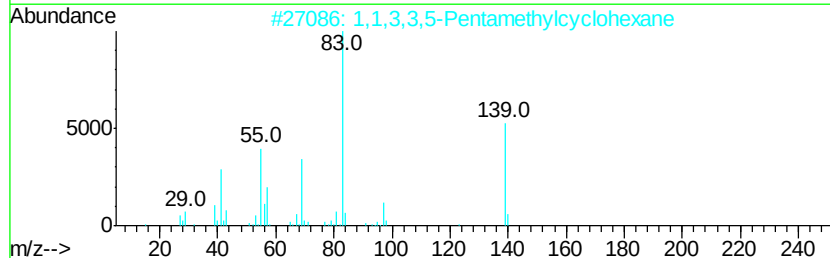
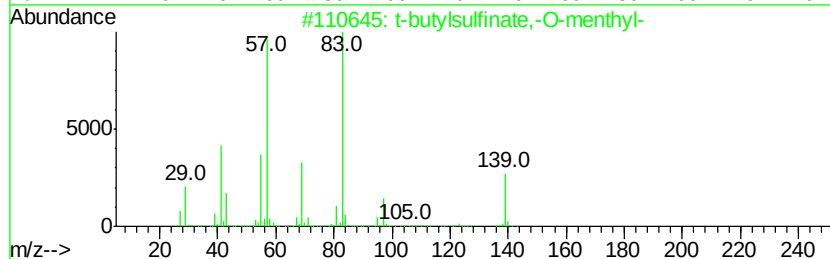
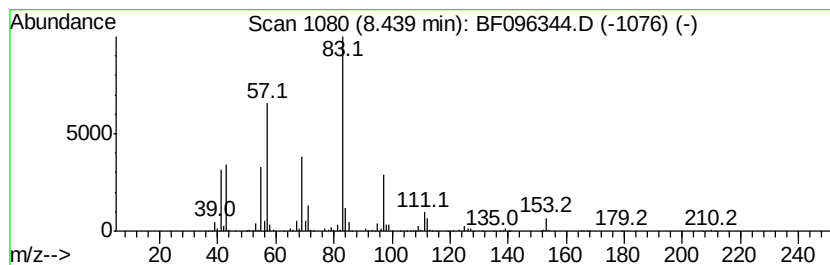
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 t-butylsulfinate,-O-menthyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	20.99 ng	1287530	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	t-butylsulfinate,-O-menthyl-	260	C14H28O2S	1000151-39-9	53
2		1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	53
3		Oxalic acid, cyclohexyl tetradec...	368	C22H40O4	1000309-31-5	50
4		2-Hexene, 4,4,5-trimethyl-	126	C9H18	055702-61-9	47
5		(E)-4-Oxohex-2-enal	112	C6H8O2	1000374-04-2	47



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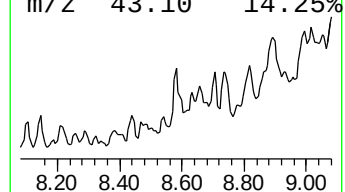
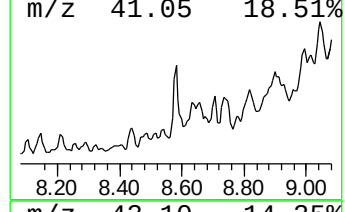
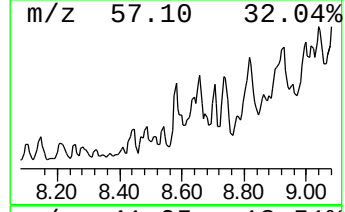
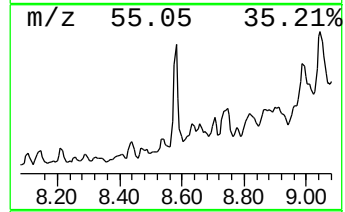
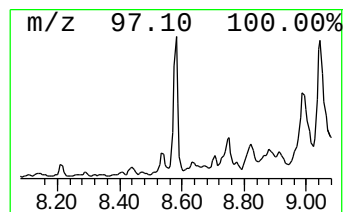
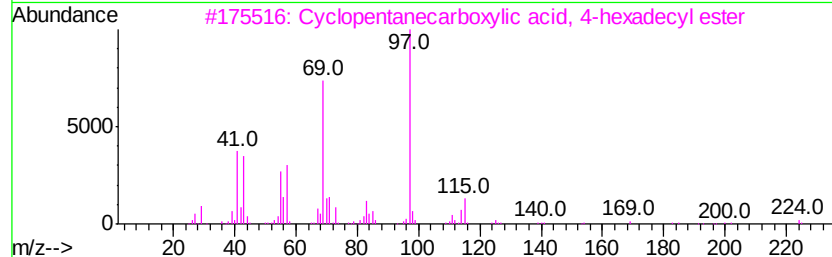
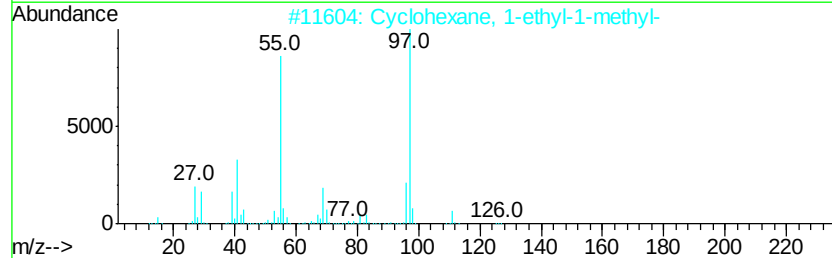
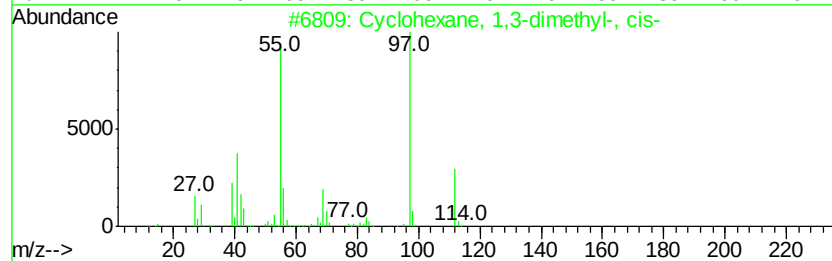
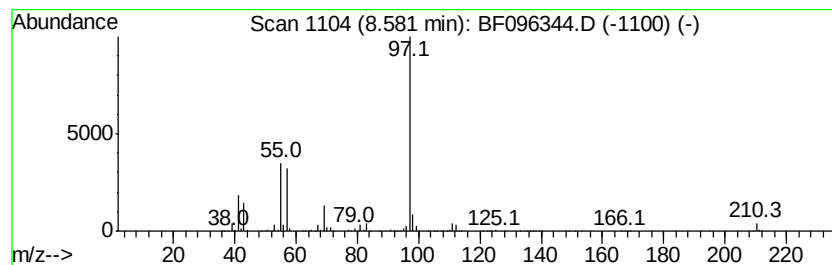
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.58	69.27 ng	4248240	Napthalene-d8	8.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
3	Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	64
4	Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	59
5	Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	50



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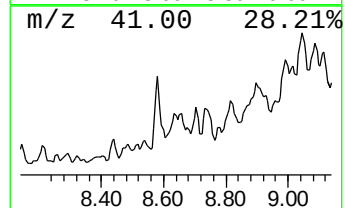
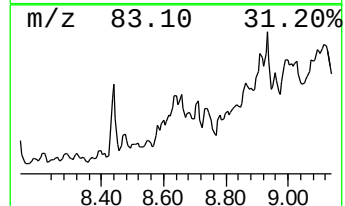
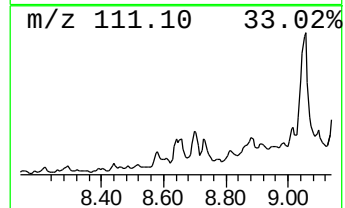
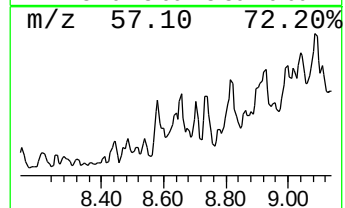
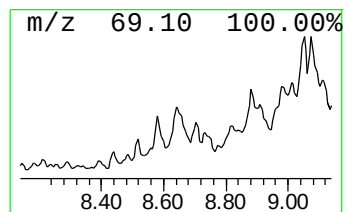
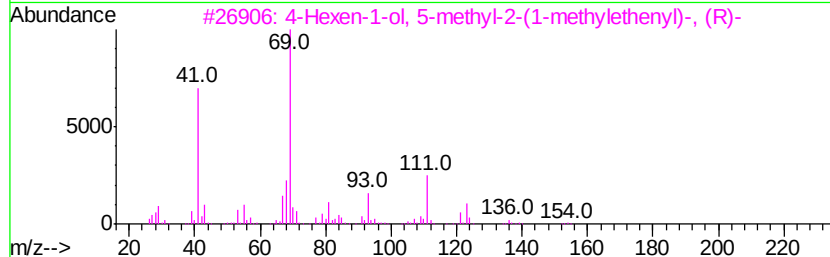
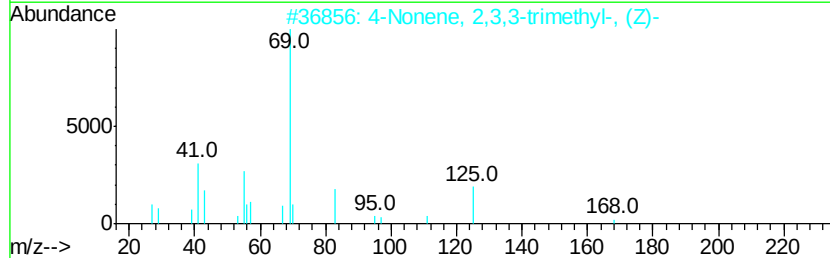
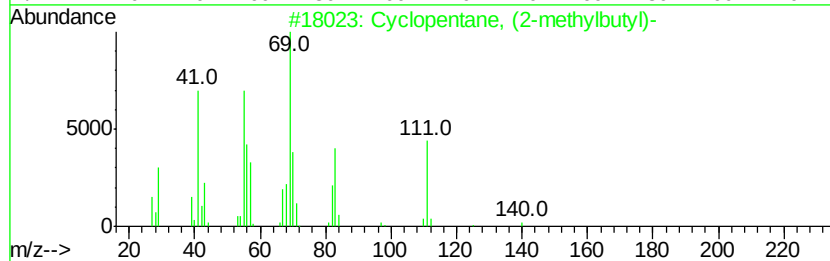
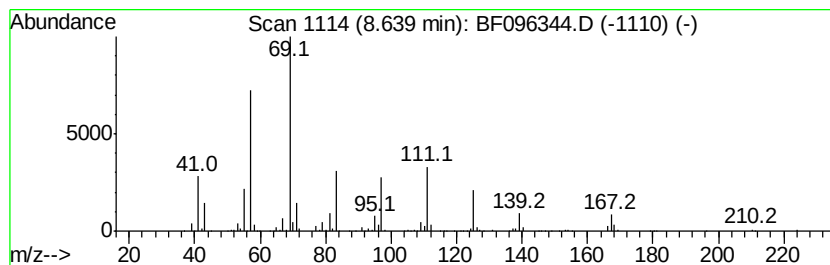
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopentane, (2-methylbutyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	18.27 ng	1120330	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	52
2		4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	50
3		4-Hexen-1-ol, 5-methyl-2-(1-meth...	154	C10H18O	000498-16-8	47
4		5-Ethyl-2-octen-4-one	154	C10H18O	1000374-14-3	38
5		Cyclooctanemethanol	142	C9H18O	003637-63-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
Data File : BF096344.D
Acq On : 30 Jun 2017 18:55
Operator : SJ/MA
Sample : I3955-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

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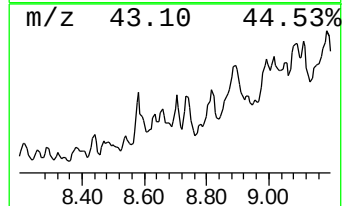
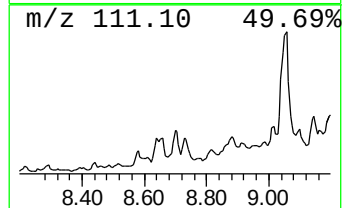
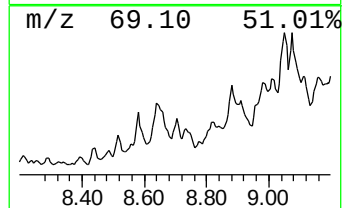
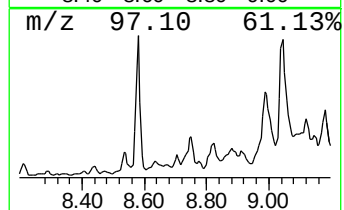
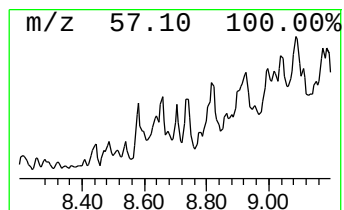
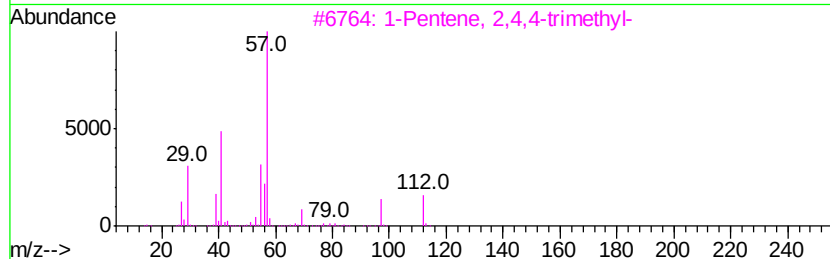
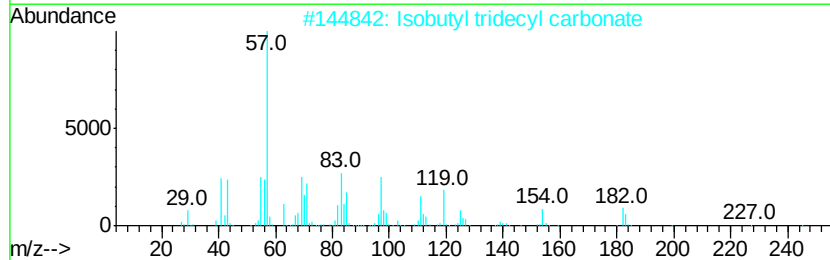
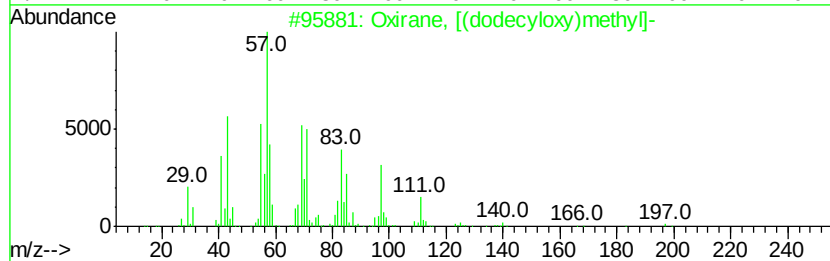
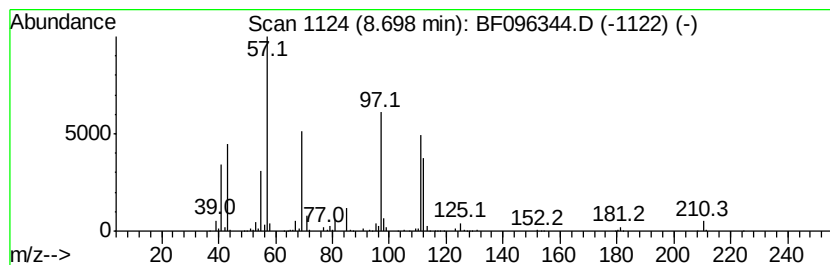
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown8.70 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	18.23 ng	1118380	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	37
2		Isobutyl tridecyl carbonate	300	C18H36O3	959275-44-6	27
3		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	27
4		Dodecyl isobutyl carbonate	286	C17H34O3	959067-22-2	25
5		2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
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Sample : I3955-01
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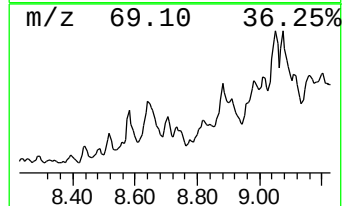
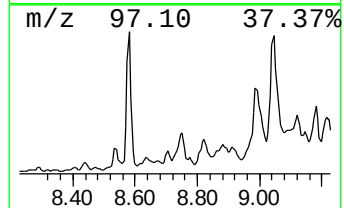
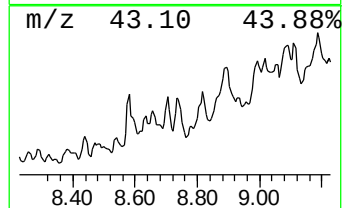
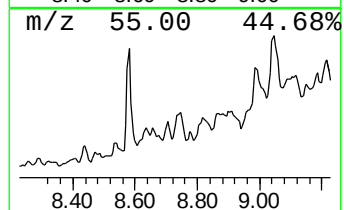
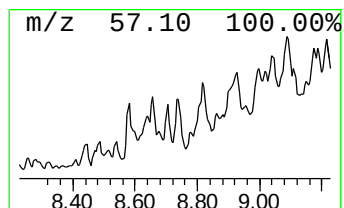
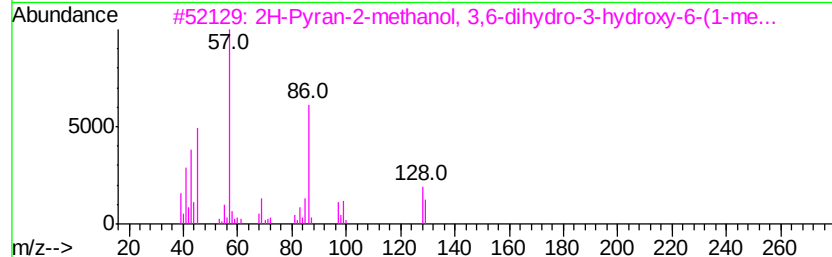
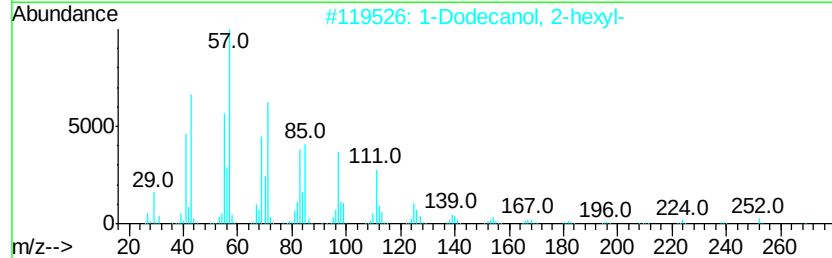
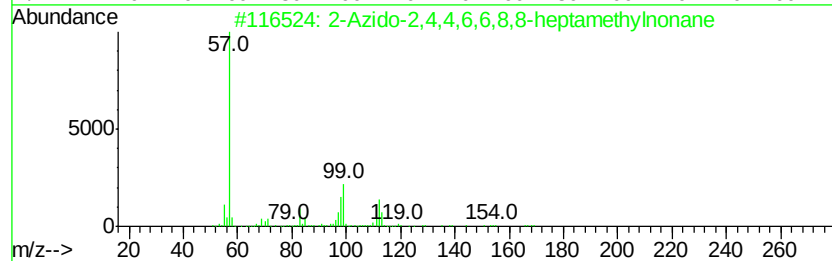
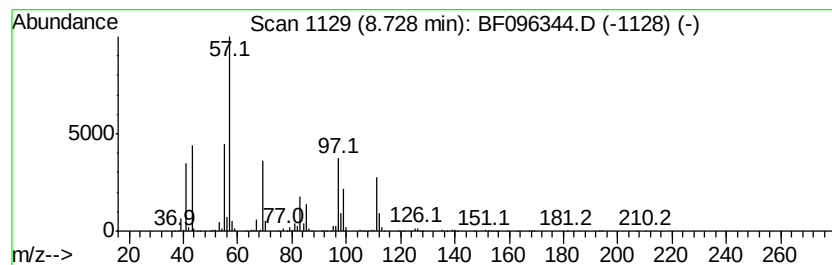
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 2-Azido-2,4,4,6,6,8,8-hepta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.73	36.93 ng	2265290	Napthalene-d8	8.04		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Azido-2,4,4,6,6,8,8-heptamethy...	267	C16H33N3	1000293-29-1	53
2		1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	47
3		2H-Pyran-2-methanol, 3,6-dihydro...	188	C9H16O4	056196-34-0	42
4		3-Propionyloxytridecane	256	C16H32O2	1000245-62-5	40
5		Tetradecanoic acid, 2-hydroxy-, ...	258	C15H30O3	056009-40-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
Data File : BF096344.D
Acq On : 30 Jun 2017 18:55
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Misc :
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Instrument :
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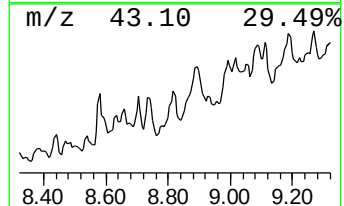
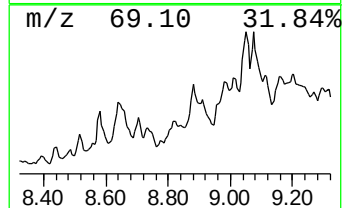
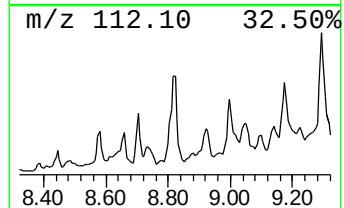
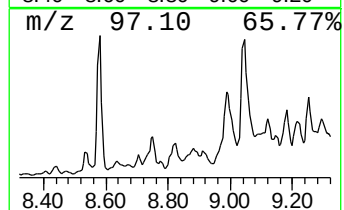
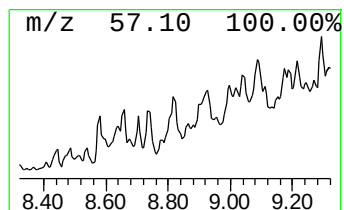
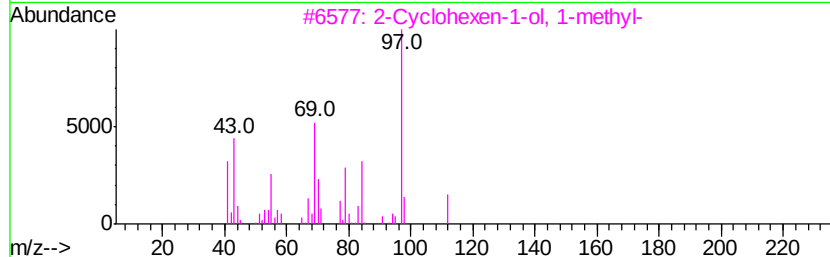
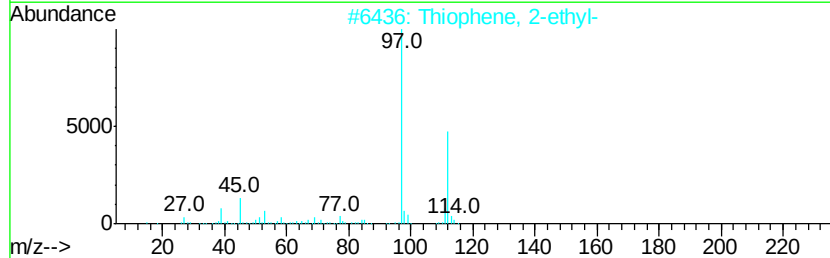
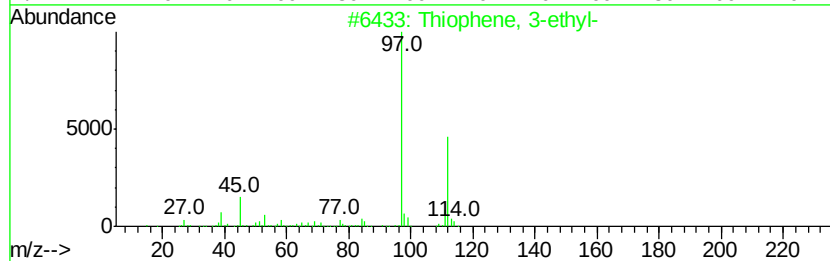
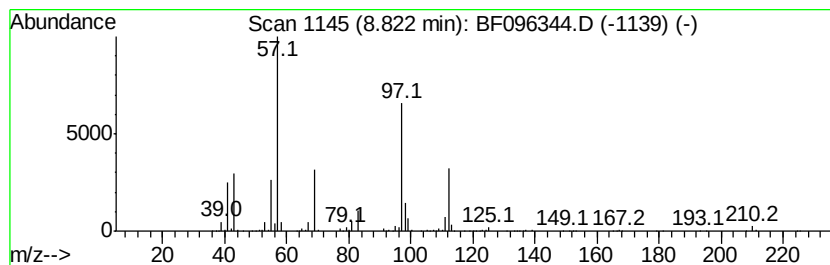
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Thiophene, 3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	47.15 ng	2892010	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 3-ethyl-	112	C6H8S	001795-01-3	50
2		Thiophene, 2-ethyl-	112	C6H8S	000872-55-9	50
3		2-Cyclohexen-1-ol, 1-methyl-	112	C7H12O	023758-27-2	40
4		Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	37
5		2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
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Misc :
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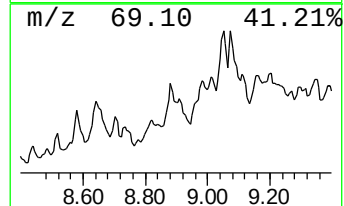
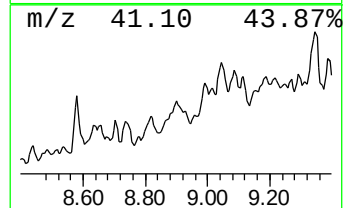
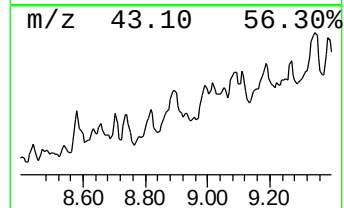
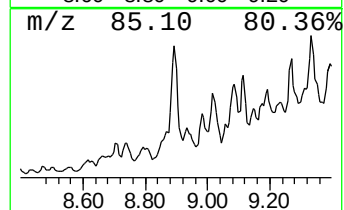
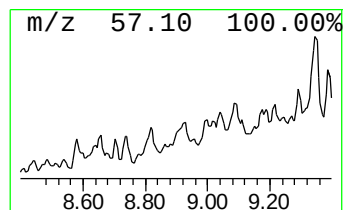
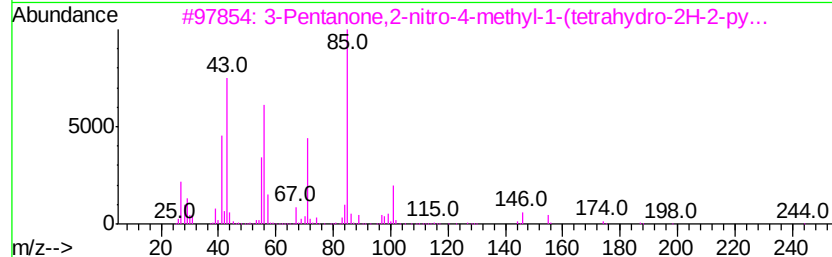
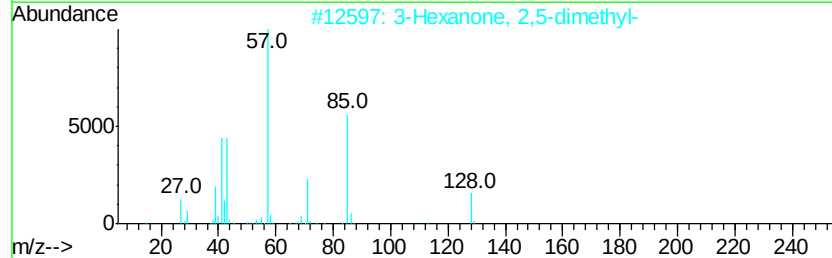
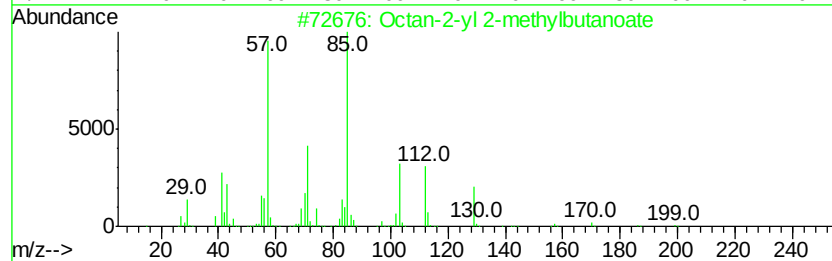
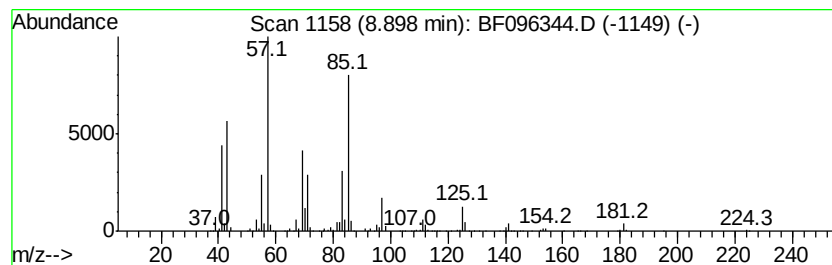
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octan-2-yl 2-methylbutanoate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.90	109.77 ng	6732770	Napthalene-d8	8.04		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octan-2-yl	2-methylbutanoate	214	C13H26O2	1000372-74-3	53
2	3-Hexanone, 2,5-dimethyl-		128	C8H16O	001888-57-9	50
3	3-Pentanone,2-nitro-4-methyl-1-(...		245	C11H19NO5	1000196-84-1	47
4	Sulfurous acid, dodecyl 2-propyl...		292	C15H32O3S	1000309-12-3	45
5	3-Methyl-butyric acid, 4-butyl-2...		256	C14H24O4	1000192-62-1	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
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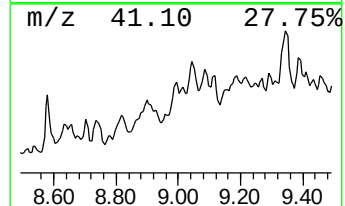
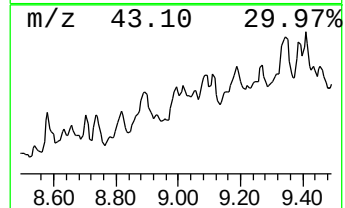
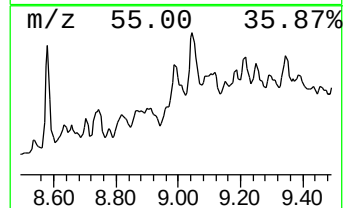
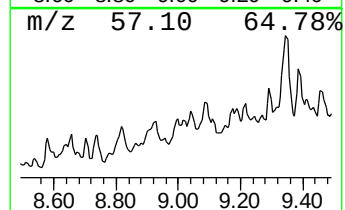
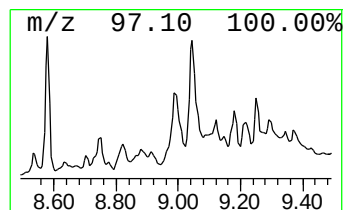
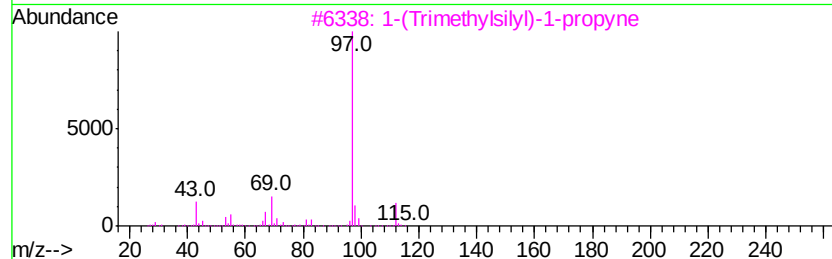
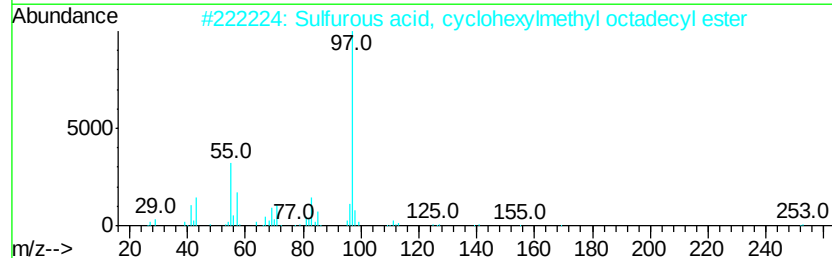
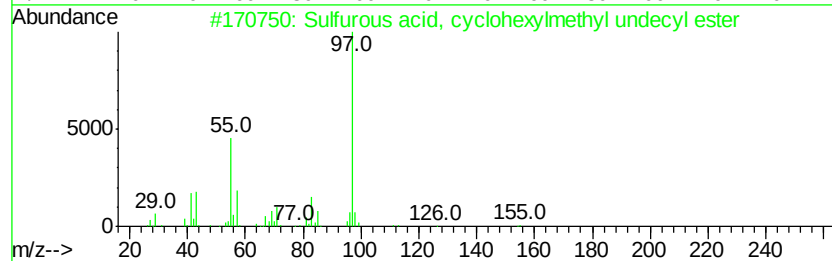
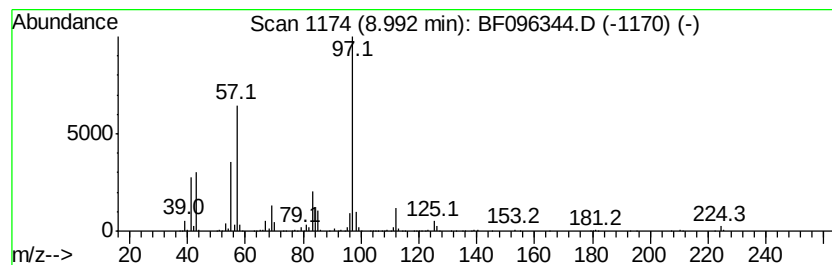
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Sulfurous acid, cyclohexylm... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	13.03 ng	3098150	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
2		Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	64
3		1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	58
4		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	58
5		Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
Data File : BF096344.D
Acq On : 30 Jun 2017 18:55
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Sample : I3955-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

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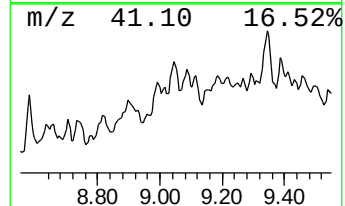
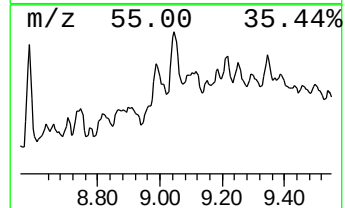
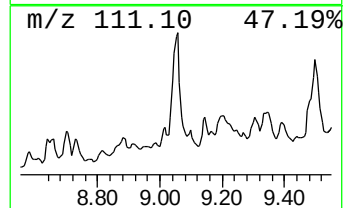
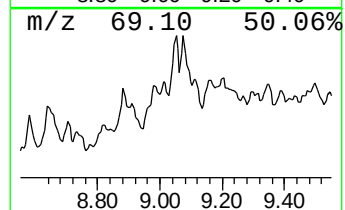
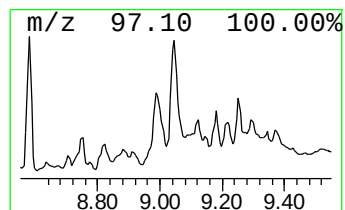
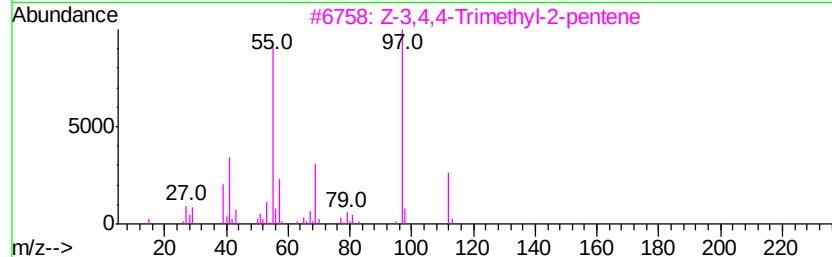
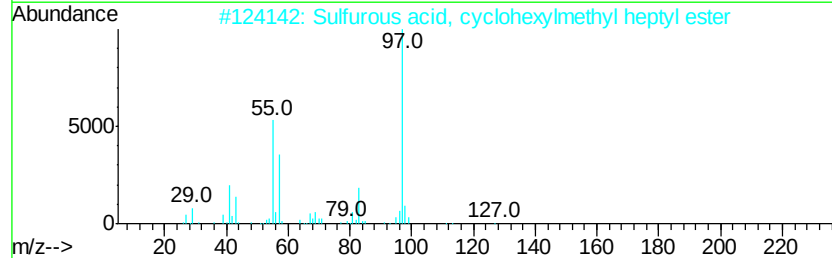
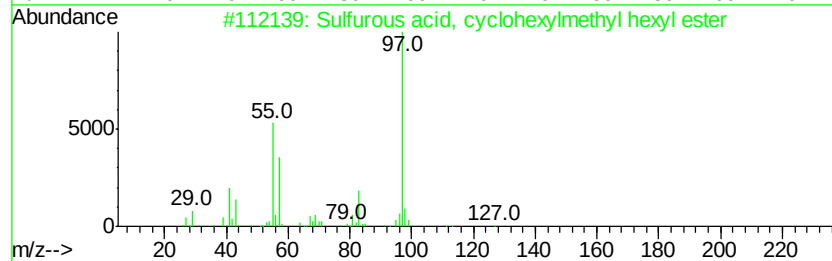
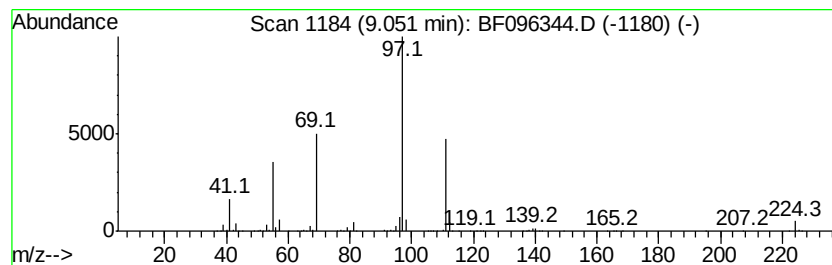
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Sulfurous acid, cyclohexylm... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	13.09 ng	3111320	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-6	59
2		Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	59
3		Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	53
4		2,4,4,6,6,8,8-Heptamethyl-2-nonene	224	C16H32	039761-73-4	46
5		2-Propionyl-6-methyl-3,4-dihydro...	154	C9H14O2	1000145-07-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
Data File : BF096344.D
Acq On : 30 Jun 2017 18:55
Operator : SJ/MA
Sample : I3955-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

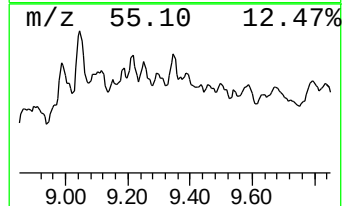
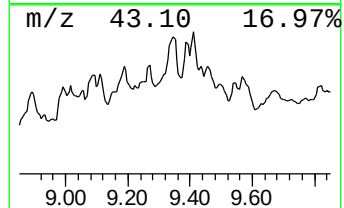
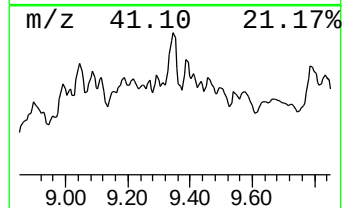
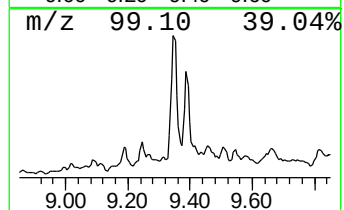
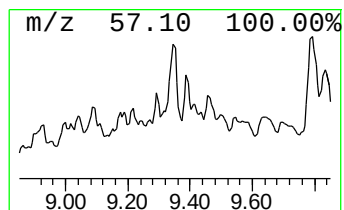
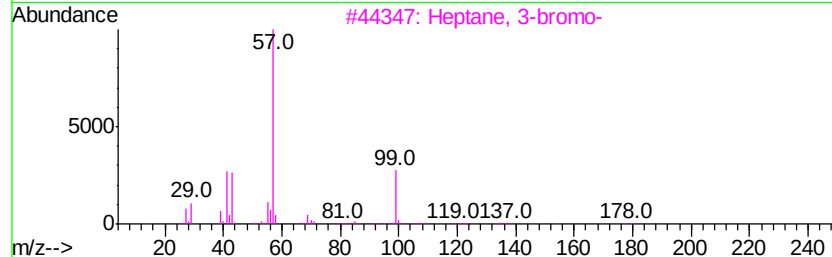
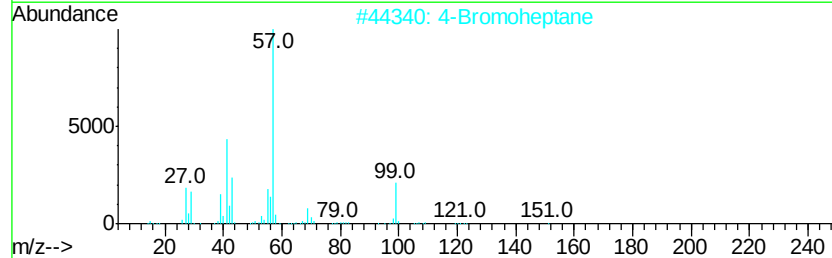
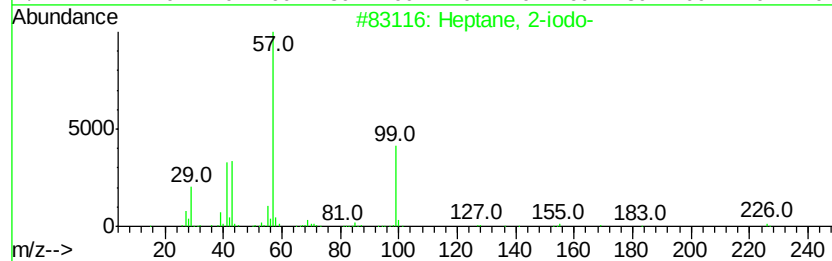
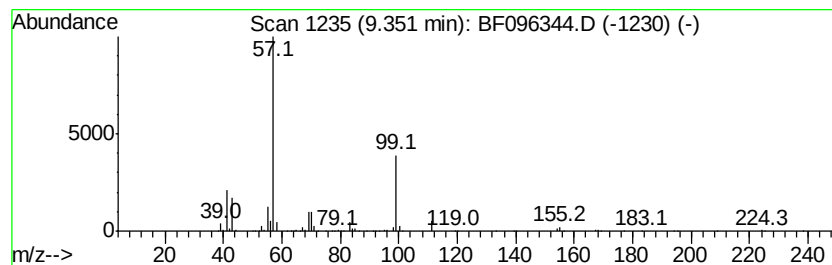
Instrument :
BNA_F
ClientSampleId :
A1022C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptane, 2-iodo- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.35	18.27 ng	4344100	Acenaphthene-d10	9.80	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-iodo-	226	C7H15I	018589-29-2	53
2	4-Bromoheptane	178	C7H15Br	000998-93-6	53
3	Heptane, 3-bromo-	178	C7H15Br	001974-05-6	53
4	4-Heptanone, 5,5-diethyl-2,2,3,3...	226	C15H30O	016424-67-2	50
5	Pentane, 3,3-diethyl-	128	C9H20	001067-20-5	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
 Data File : BF096344.D
 Acq On : 30 Jun 2017 18:55
 Operator : SJ/MA
 Sample : I3955-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A1022C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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
3,5-Dimethyl-3-he...	7.17	10.6	ng	483580	1	6.76	913686	20.0
Cyclohexanone, 4-...	7.49	12.2	ng	749204	2	8.04	1226660	20.0
unknown7.57	7.57	19.8	ng	1215190	2	8.04	1226660	20.0
2-Pentanone, 5,5'...	7.72	19.2	ng	1175040	2	8.04	1226660	20.0
unknown7.86	7.86	22.9	ng	1407610	2	8.04	1226660	20.0
unknown7.90	7.90	15.9	ng	976532	2	8.04	1226660	20.0
Isobutyl nonyl ca...	8.15	13.9	ng	855167	2	8.04	1226660	20.0
Sulfurous acid, c...	8.21	12.2	ng	747417	2	8.04	1226660	20.0
unknown8.41	8.41	13.9	ng	851406	2	8.04	1226660	20.0
t-butylsulfinat...	8.44	21.0	ng	1287530	2	8.04	1226660	20.0
Cyclohexane, 1,3-...	8.58	69.3	ng	4248240	2	8.04	1226660	20.0
Cyclopentane, (2-...	8.64	18.3	ng	1120330	2	8.04	1226660	20.0
unknown8.70	8.70	18.2	ng	1118380	2	8.04	1226660	20.0
2-Azido-2,4,4,6,6...	8.73	36.9	ng	2265290	2	8.04	1226660	20.0
Thiophene, 3-ethyl-	8.82	47.1	ng	2892010	2	8.04	1226660	20.0
Octan-2-yl 2-meth...	8.90	109.8	ng	6732770	2	8.04	1226660	20.0
Sulfurous acid, c...	8.99	13.0	ng	3098150	3	9.80	4754160	20.0
Sulfurous acid, c...	9.05	13.1	ng	3111320	3	9.80	4754160	20.0
Heptane, 2-iodo-	9.35	18.3	ng	4344100	3	9.80	4754160	20.0