

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083903.D
 Acq On : 18 Dec 2015 8:04
 Operator : UM/SJ
 Sample : G4759-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2

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-BF121815.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	2.533	34	39	41	rBV	27262	49114	1.84%	0.183%
2	2.590	41	44	50	rVB	23293	39411	1.48%	0.146%
3	4.476	206	209	214	rBV	37399	55453	2.08%	0.206%
4	4.704	226	229	236	rBV4	31844	83422	3.13%	0.310%
5	5.070	259	261	264	rBV	189224	252152	9.47%	0.937%
6	5.241	269	276	277	rBV3	14186	41124	1.54%	0.153%
7	5.264	277	278	280	rBV2	35856	62276	2.34%	0.231%
8	5.333	280	284	285	rBV	18602	42863	1.61%	0.159%
9	5.504	296	299	301	rBV	1345578	1354775	50.89%	5.034%
10	5.699	315	316	321	rVV	25939	43255	1.62%	0.161%
11	5.801	323	325	330	rVB3	26155	49225	1.85%	0.183%
12	6.156	354	356	357	rBV	71216	59493	2.23%	0.221%
13	6.190	357	359	362	rVB4	18623	41935	1.58%	0.156%
14	6.270	362	366	367	rBV	20495	36314	1.36%	0.135%
15	6.327	367	371	372	rVB2	76580	101433	3.81%	0.377%
16	6.396	375	377	382	rVB3	43851	77399	2.91%	0.288%
17	6.533	386	389	392	rBV	1137590	1308650	49.15%	4.863%
18	6.579	392	393	395	rVB	70247	61302	2.30%	0.228%
19	6.659	398	400	402	rVB	1603378	1522237	57.18%	5.656%
20	6.704	402	404	408	rBV2	123142	170558	6.41%	0.634%
21	6.876	417	419	422	rBV	613923	737518	27.70%	2.741%
22	6.944	422	425	428	rVB3	80501	164871	6.19%	0.613%
23	7.002	428	430	431	rBV	65978	60318	2.27%	0.224%
24	7.036	431	433	435	rBV	1207918	1233751	46.34%	4.584%
25	7.139	440	442	445	rVB2	20057	34872	1.31%	0.130%
26	7.207	445	448	449	rBV	43689	46525	1.75%	0.173%
27	7.287	451	455	456	rBV4	19707	41791	1.57%	0.155%
28	7.447	466	469	471	rVB	969804	912950	34.29%	3.392%
29	7.573	477	480	484	rVB4	48479	135960	5.11%	0.505%
30	7.665	484	488	490	rVB3	13066	34480	1.30%	0.128%
31	7.733	492	494	497	rVB3	83829	133844	5.03%	0.497%
32	7.802	497	500	501	rBV	28554	46235	1.74%	0.172%
33	7.916	507	510	512	rBV3	207183	260929	9.80%	0.970%
34	7.973	512	515	517	rVB3	25353	34621	1.30%	0.129%

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35	8.019	517	519	522	rVB3	34971	56635	2.13%	0.210%
36	8.076	522	524	525	rBV	113763	130289	4.89%	0.484%
37	8.167	530	532	534	rBV	1167241	1019869	38.31%	3.790%
38	8.442	554	556	557	rBV	61471	57878	2.17%	0.215%
39	8.647	572	574	578	rBV	27548	39358	1.48%	0.146%
40	8.739	578	582	586	rBV5	48653	112598	4.23%	0.418%
41	8.842	590	591	592	rBV	44486	52534	1.97%	0.195%
42	8.876	592	594	597	rVB2	106564	132579	4.98%	0.493%
43	9.048	607	609	611	rBV2	18904	35155	1.32%	0.131%
44	9.196	620	622	624	rBV2	20036	35990	1.35%	0.134%
45	9.242	624	626	628	rVV	1866569	1568293	58.91%	5.828%
46	9.322	630	633	635	rVV	70385	85640	3.22%	0.318%
47	9.390	637	639	642	rVB3	30677	65617	2.46%	0.244%
48	9.585	654	656	657	rBV	127193	182422	6.85%	0.678%
49	9.642	658	661	662	rVV	272333	402830	15.13%	1.497%
50	9.676	662	664	666	rVV	116403	132217	4.97%	0.491%
51	9.779	670	673	674	rBV2	70081	114688	4.31%	0.426%
52	9.916	682	685	687	rBV	920180	1216365	45.69%	4.520%
53	10.042	694	696	697	rBV2	34582	39608	1.49%	0.147%
54	10.122	701	703	705	rBV2	60967	111347	4.18%	0.414%
55	10.362	722	724	725	rBV	61100	89917	3.38%	0.334%
56	10.442	729	731	733	rBV2	76145	154814	5.81%	0.575%
57	10.579	741	743	744	rVB	133146	126237	4.74%	0.469%
58	10.716	752	755	757	rBV	658907	870452	32.69%	3.234%
59	10.865	767	768	770	rVB	194712	160536	6.03%	0.597%
60	11.413	814	816	818	rBV	647044	677114	25.43%	2.516%
61	12.282	890	892	893	rBV	747815	778421	29.24%	2.893%
62	13.014	954	956	958	rVB	874588	975500	36.64%	3.625%
63	13.505	997	999	1000	rVB	708481	719622	27.03%	2.674%
64	14.579	1091	1093	1096	rBV	743112	784598	29.47%	2.915%
65	14.877	1117	1119	1121	rVB	444138	514819	19.34%	1.913%
66	15.174	1143	1145	1152	rVB3	659022	1397165	52.48%	5.192%
67	15.768	1195	1197	1201	rVB	535073	856847	32.18%	3.184%
68	15.974	1212	1215	1221	rVB	1258901	2662390	100.00%	9.893%
69	16.225	1235	1237	1240	rVB2	330370	521078	19.57%	1.936%
70	17.643	1358	1361	1366	rVB	266185	699177	26.26%	2.598%

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Smoothing : ON Filtering: 5
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

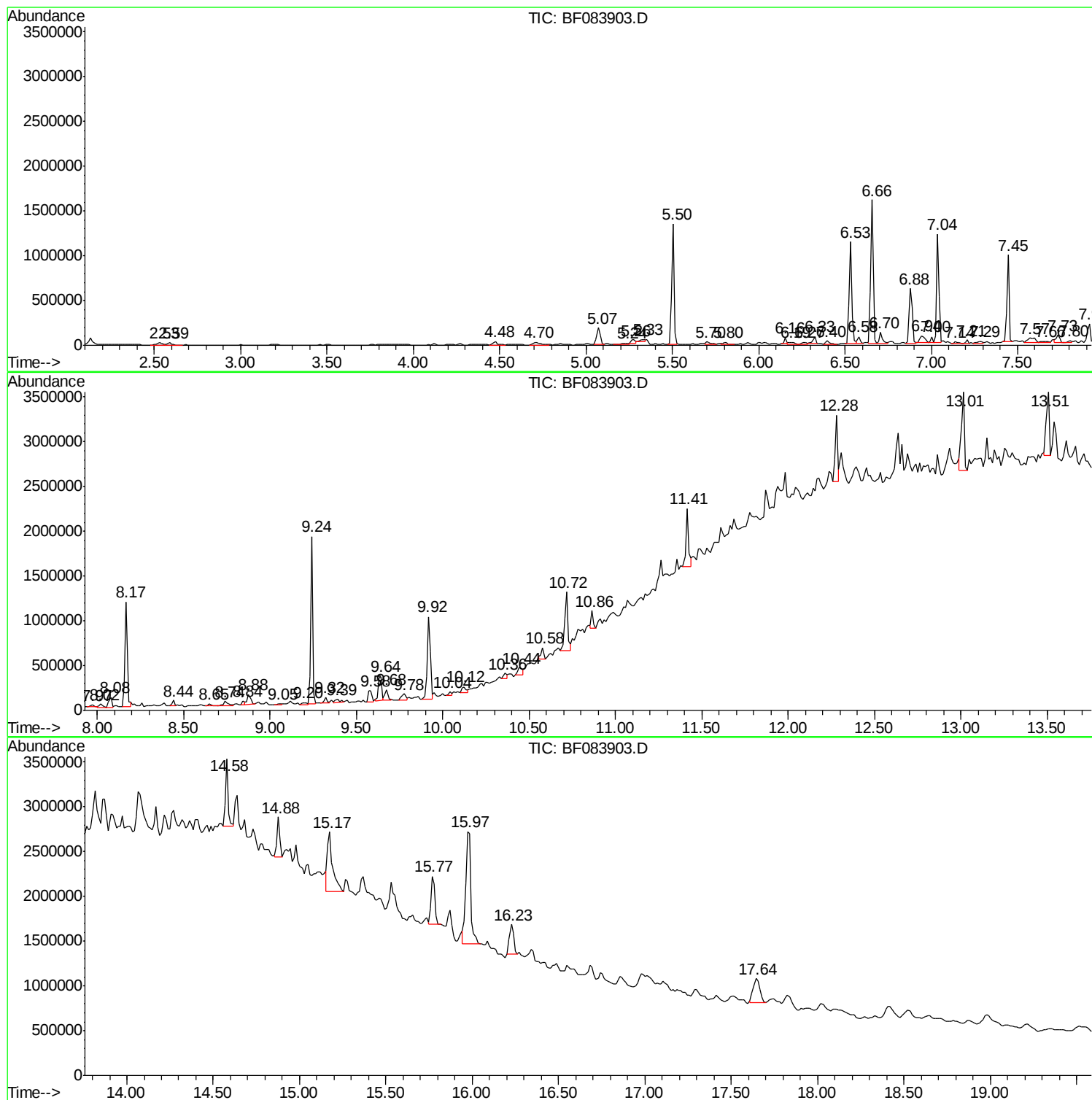
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Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K1210-0-2

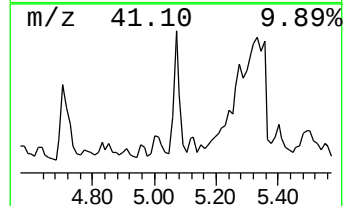
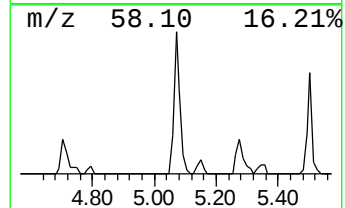
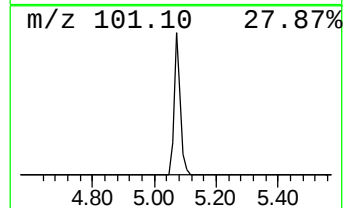
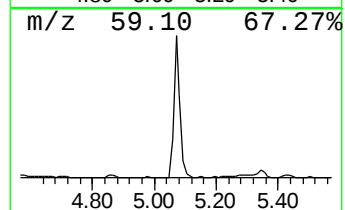
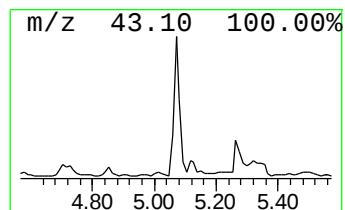
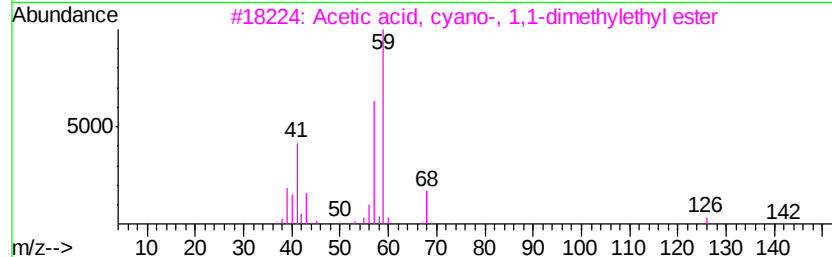
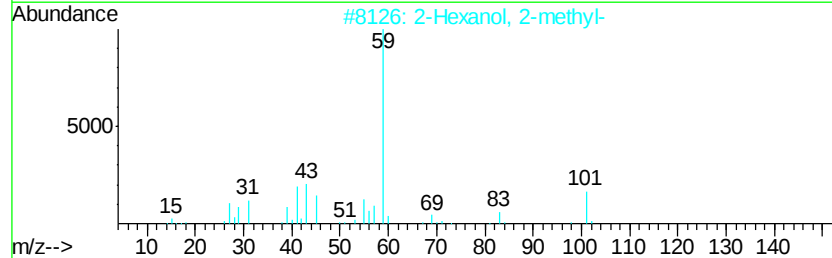
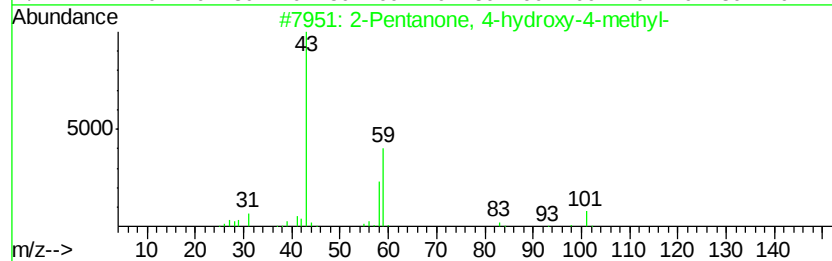
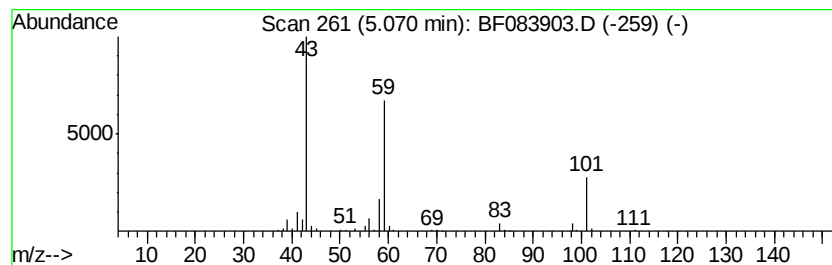
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	6.84 ng	252152	1,4-Dichlorobenzene-d4	6.88

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	53
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		2,5,8,11,14-Pentaoxapentadecane	222	C10H22O5	000143-24-8	23
5		Acetone	58	C3H6O	000067-64-1	10



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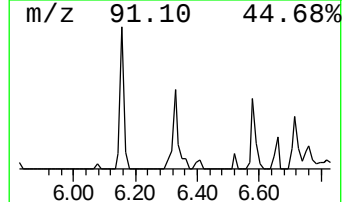
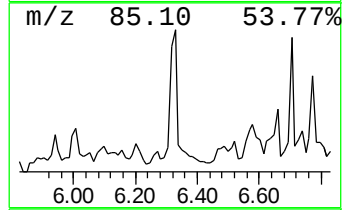
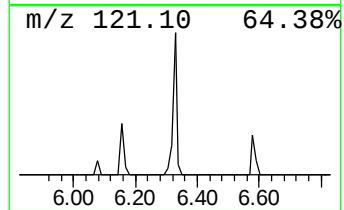
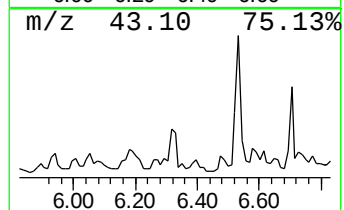
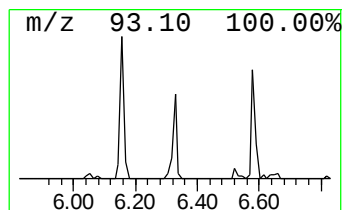
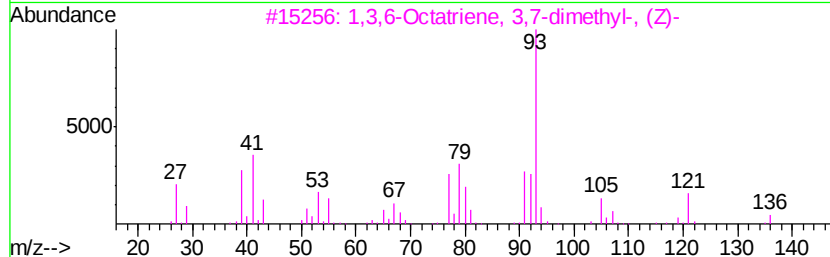
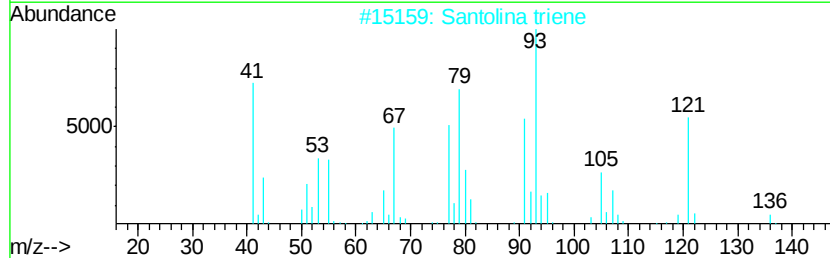
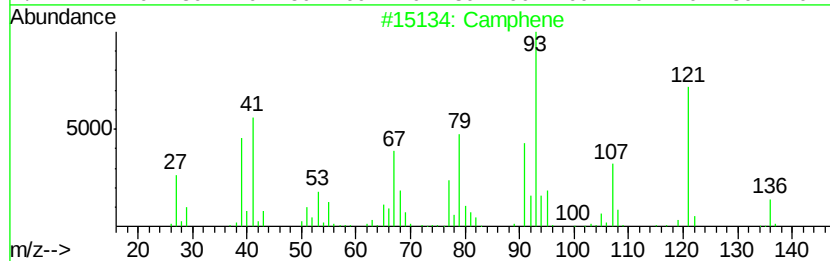
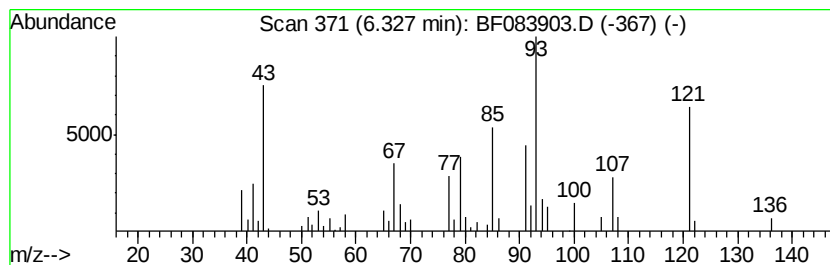
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Camphene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	2.75 ng	101433	1,4-Dichlorobenzene-d4	6.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Camphene	136	C10H16	000079-92-5	76
2			Santolina triene	136	C10H16	002153-66-4	64
3			1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	50
4			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	46
5			1R-.alpha.-Pinene	136	C10H16	007785-70-8	45



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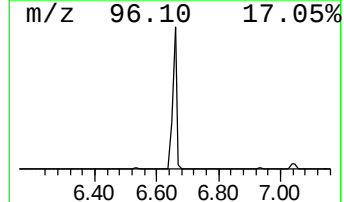
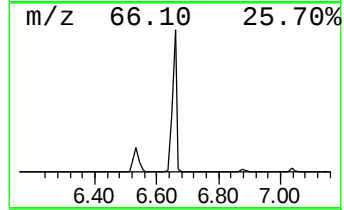
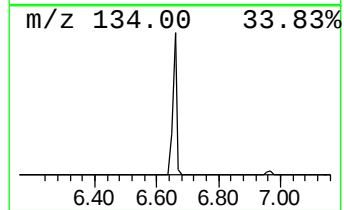
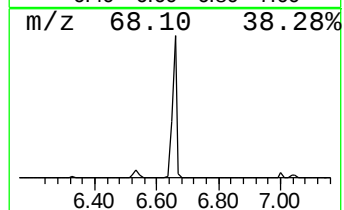
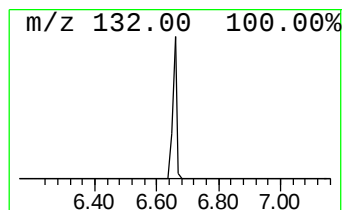
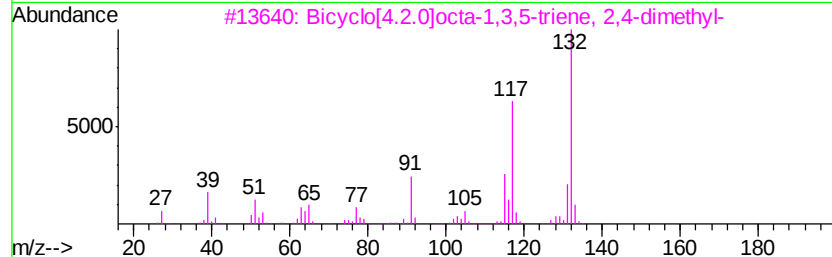
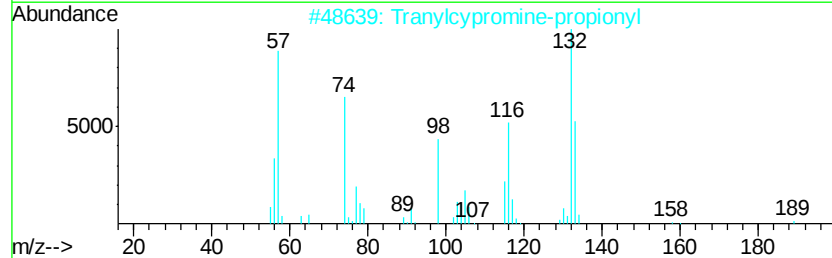
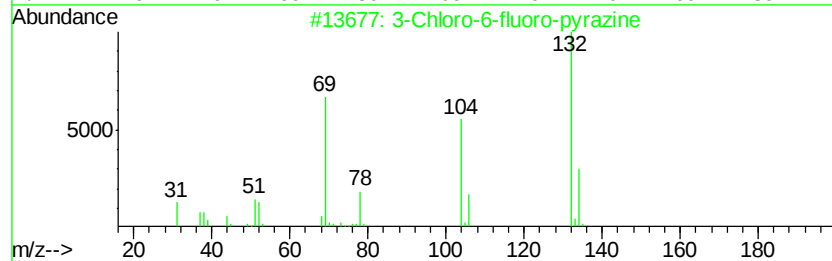
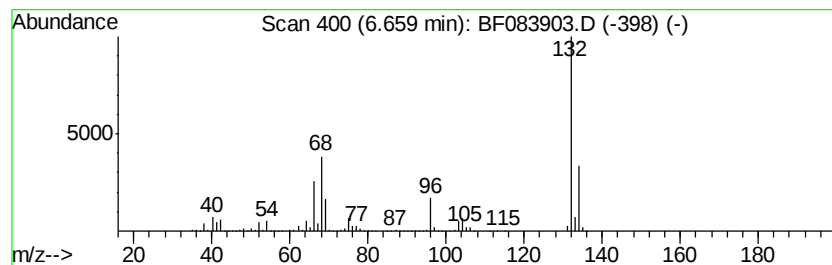
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 unknown6.66 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	41.28 ng	1522240	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene, ...	132	C10H12	028749-81-7	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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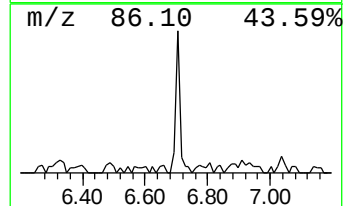
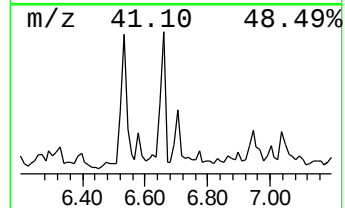
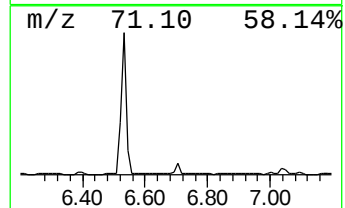
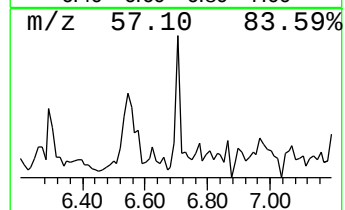
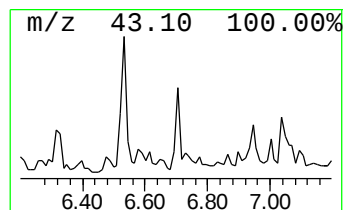
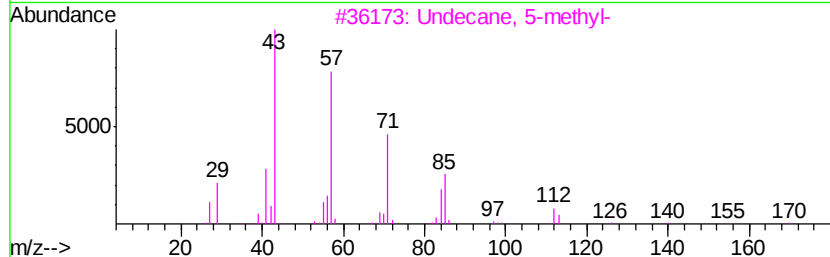
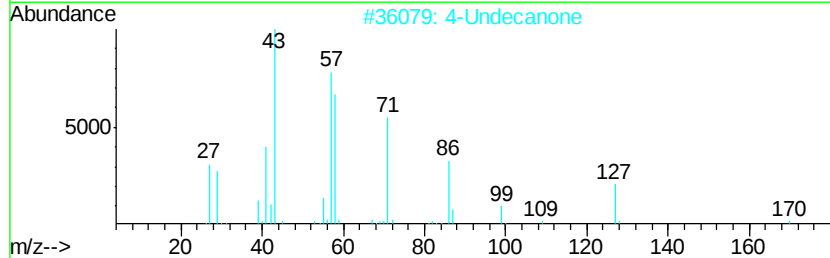
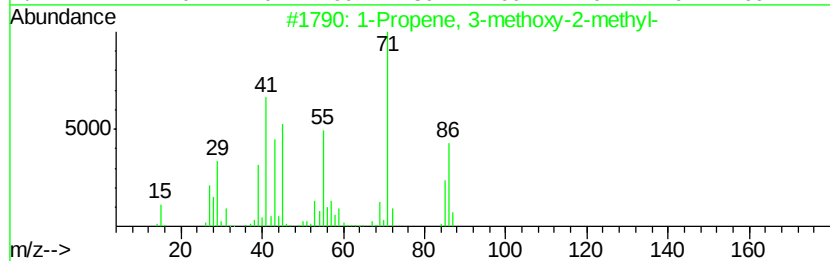
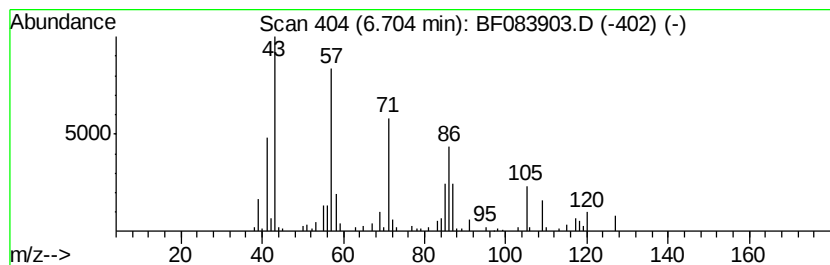
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.70 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	4.63 ng	170558	1,4-Dichlorobenzene-d4	6.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Propene, 3-methoxy-2-methyl-	86	C5H10O	022418-49-1	38
2			4-Undecanone	170	C11H22O	014476-37-0	32
3			Undecane, 5-methyl-	170	C12H26	001632-70-8	27
4			Tridecane	184	C13H28	000629-50-5	27
5			Hexadecane	226	C16H34	000544-76-3	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
K1210-0-2

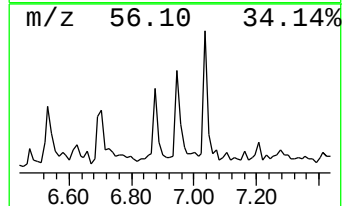
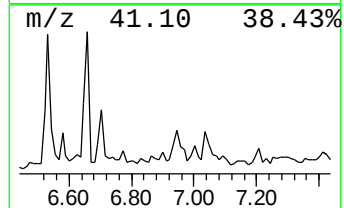
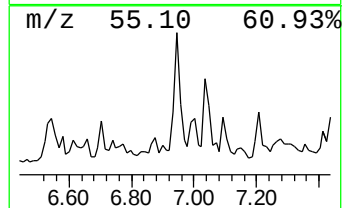
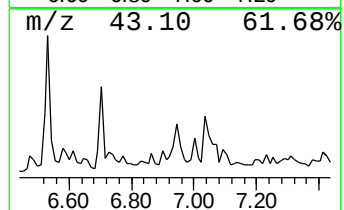
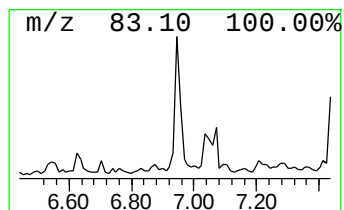
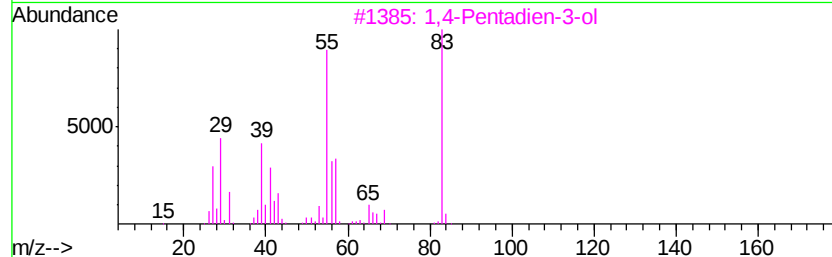
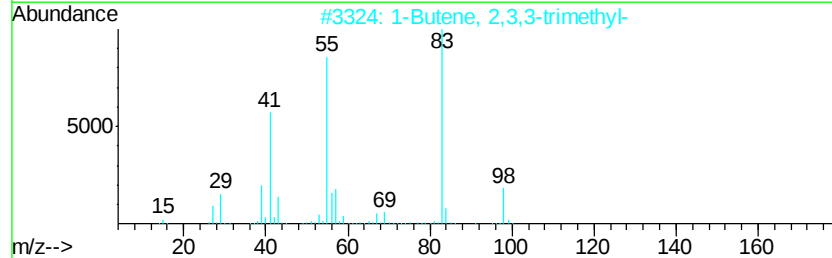
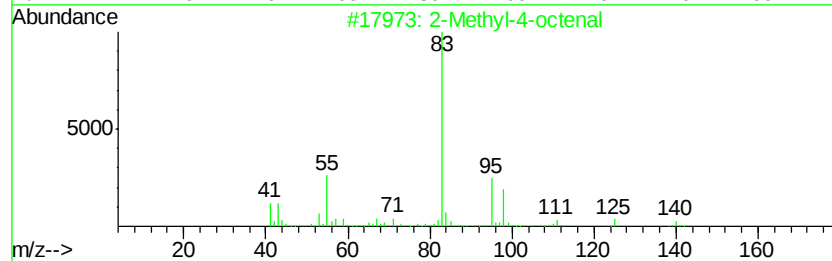
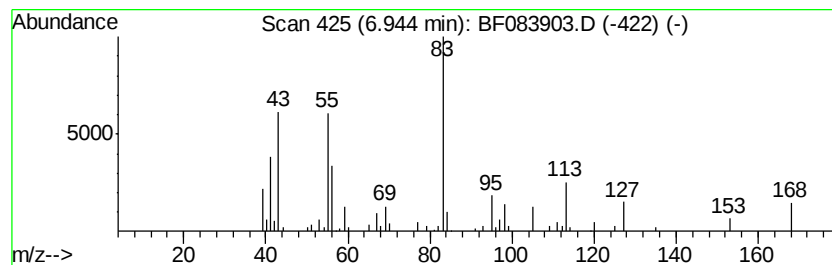
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Methyl-4-octenal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	4.47 ng	164871	1,4-Dichlorobenzene-d4	6.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Methyl-4-octenal	140	C9H16O	030390-58-0	50
2		1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	49
3		1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	47
4		2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	46
5		2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
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ClientSampleId :
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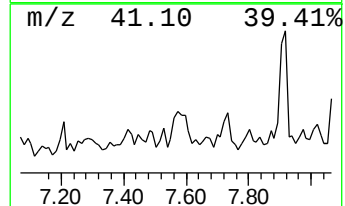
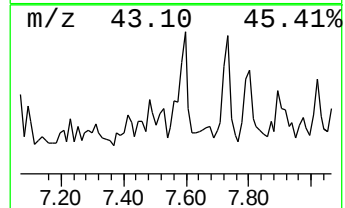
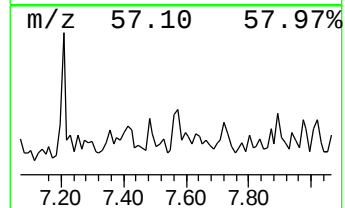
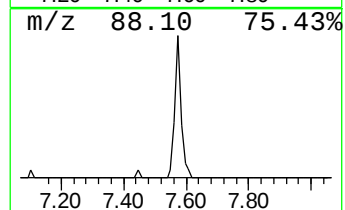
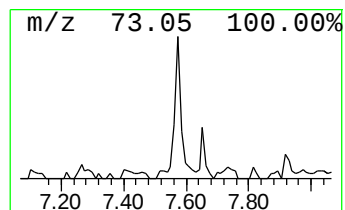
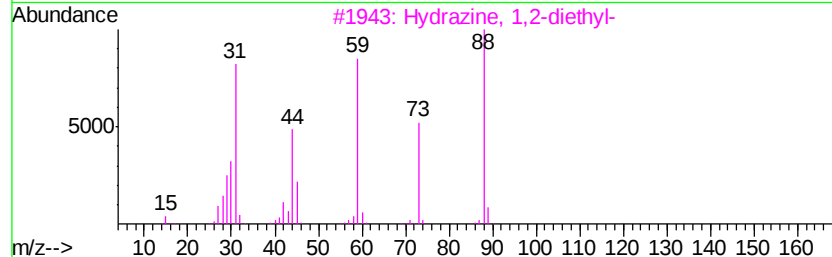
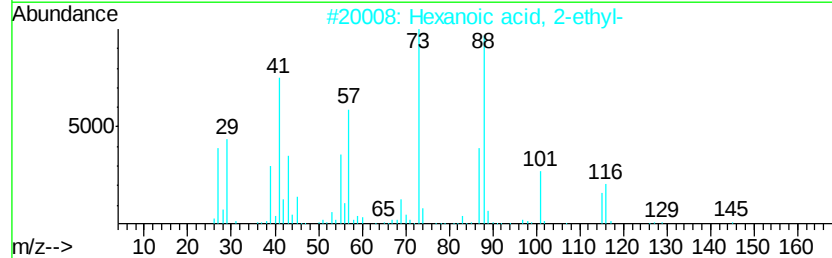
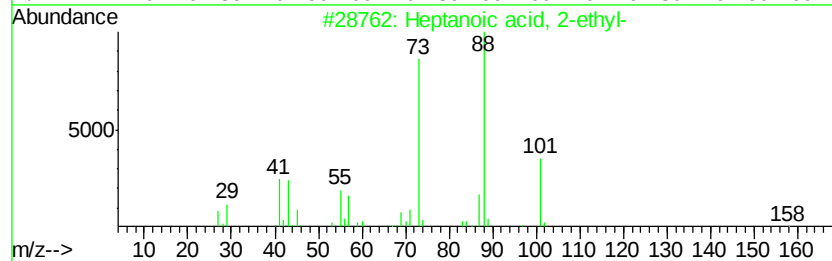
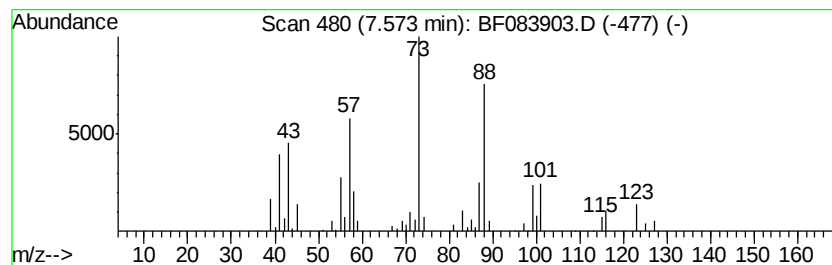
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.57 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	2.67 ng	135960	Napthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	47
2		Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	47
3		Hydrazine, 1,2-diethyl-	88	C4H12N2	001615-80-1	32
4		3-Furanol, tetrahydro-	88	C4H8O2	000453-20-3	27
5		Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

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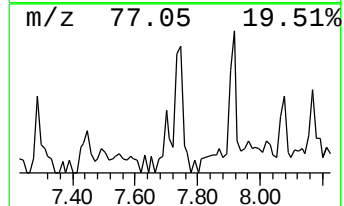
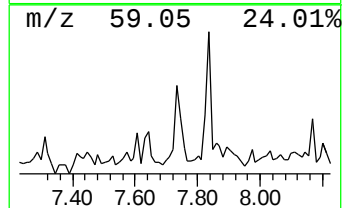
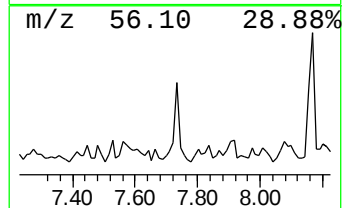
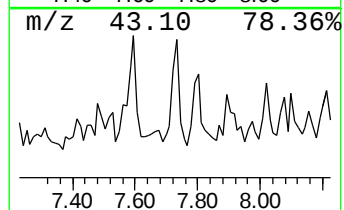
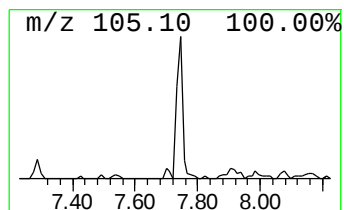
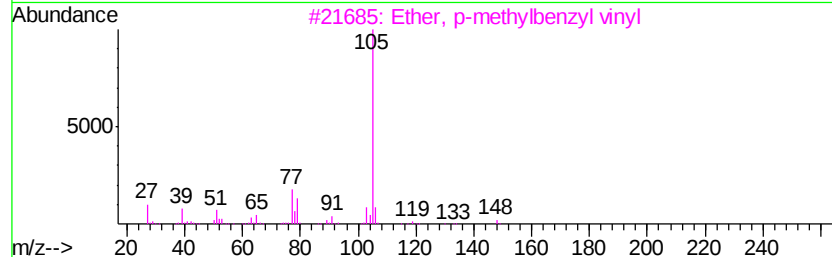
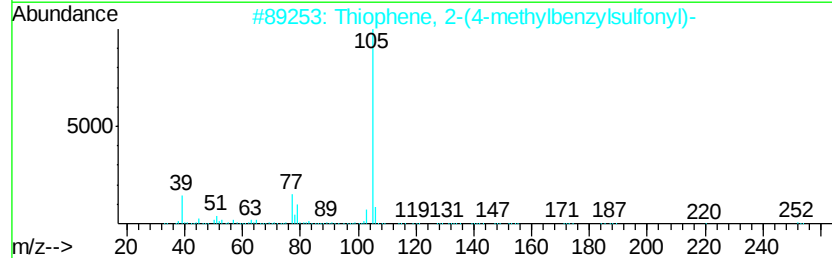
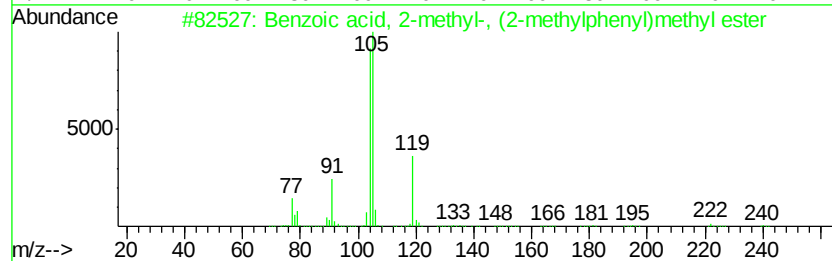
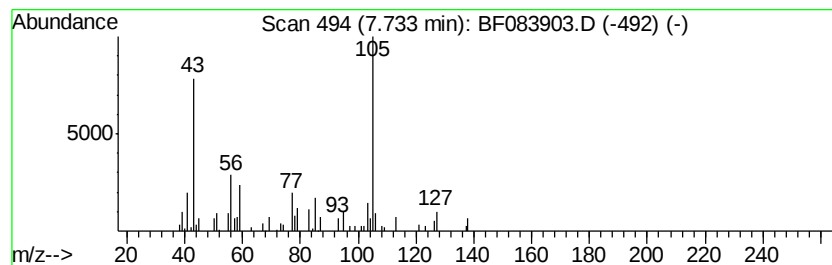
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown7.73 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	2.62 ng	133844	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 2-methyl-, (2-meth...	240	C16H16O2	055133-99-8	38
2		Thiophene, 2-(4-methylbenzylsulf...	252	C12H12O2S2	153837-88-8	35
3		Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	35
4		Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	27
5		Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

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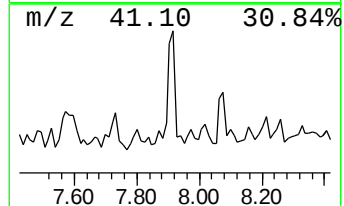
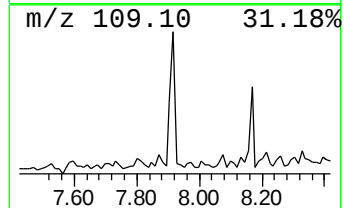
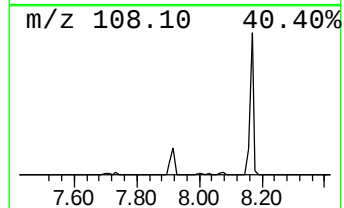
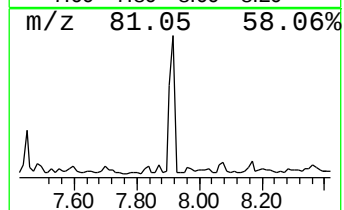
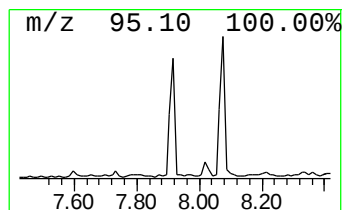
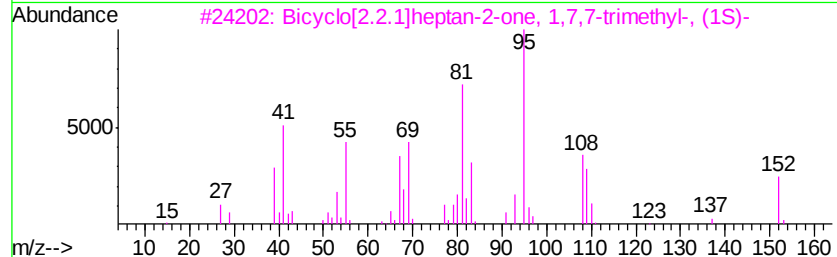
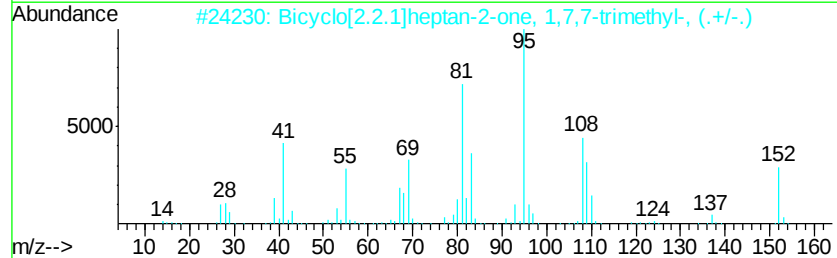
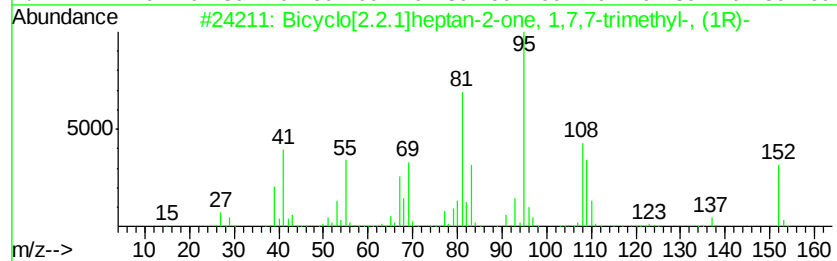
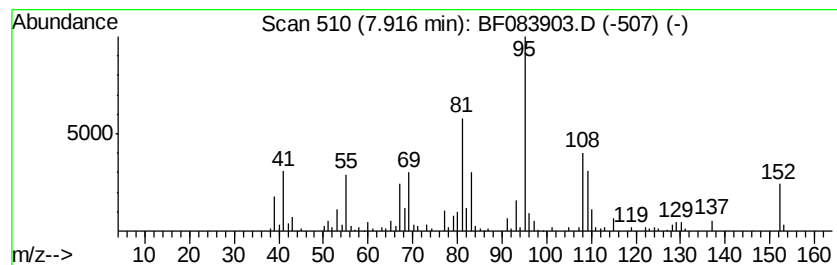
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	5.12 ng	260929	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
2		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	97
3		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	96
4		Camphor	152	C10H16O	000076-22-2	96
5		5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	003588-18-9	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Acq On : 18 Dec 2015 8:04
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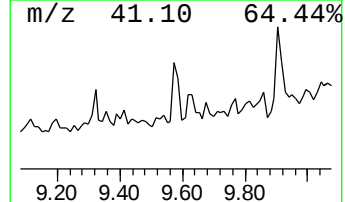
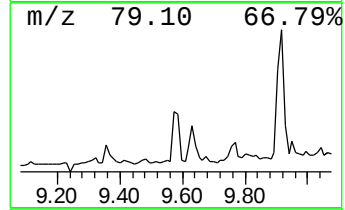
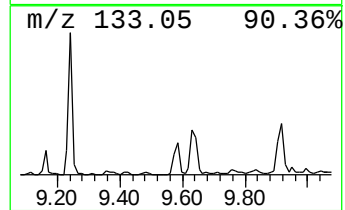
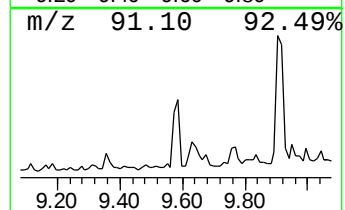
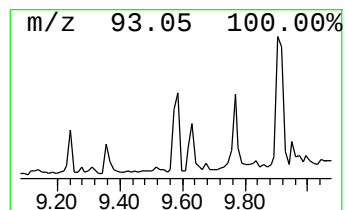
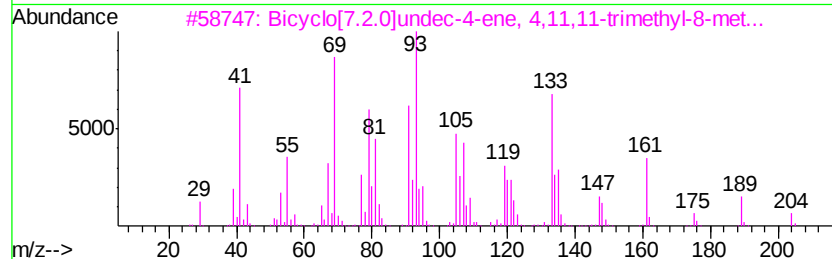
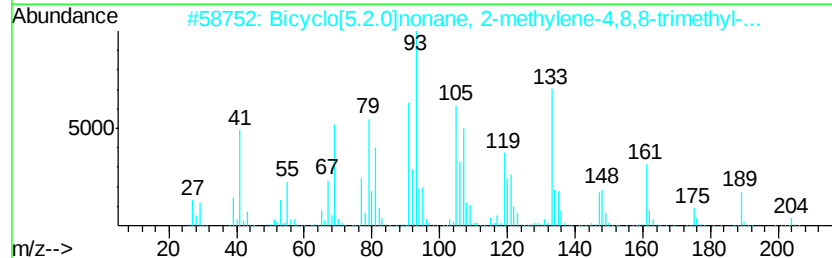
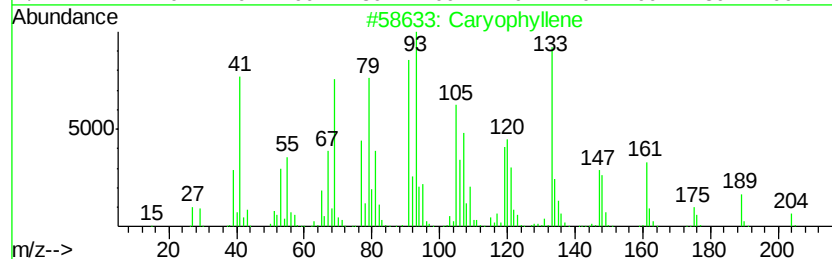
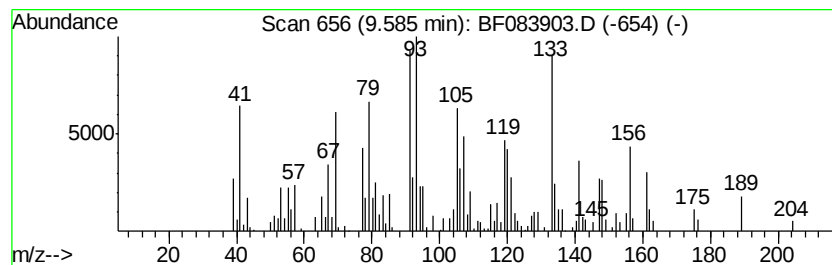
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Caryophyllene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	3.00 ng	182422	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Caryophyllene	204 C15H24	000087-44-5 99
2		Bicyclo[5.2.0]nonane, 2-methylen...	204 C15H24	242794-76-9 86
3		Bicyclo[7.2.0]undec-4-ene, 4,11,...	204 C15H24	013877-93-5 83
4		Bicyclo[7.2.0]undec-4-ene, 4,11,...	204 C15H24	000118-65-0 72
5		Ethyl 1-thio-.alpha.-d-arabinofu...	194 C7H14O4S	1000129-83-7 53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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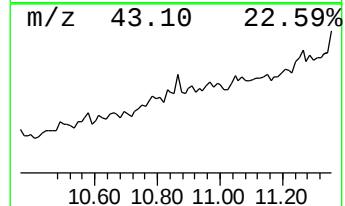
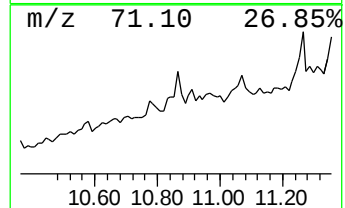
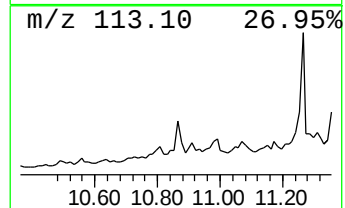
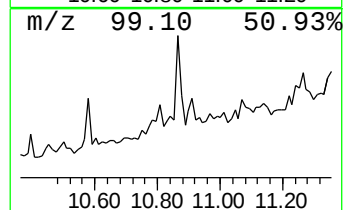
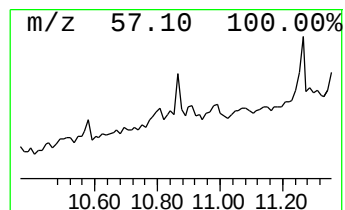
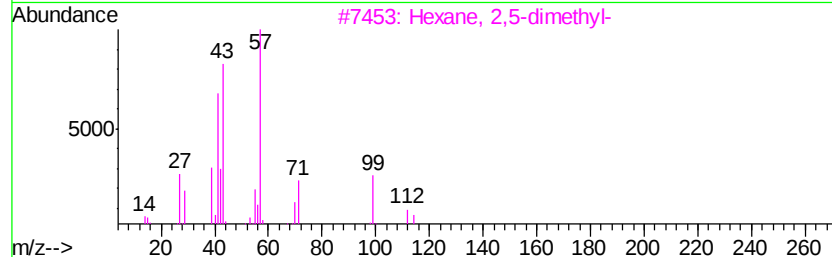
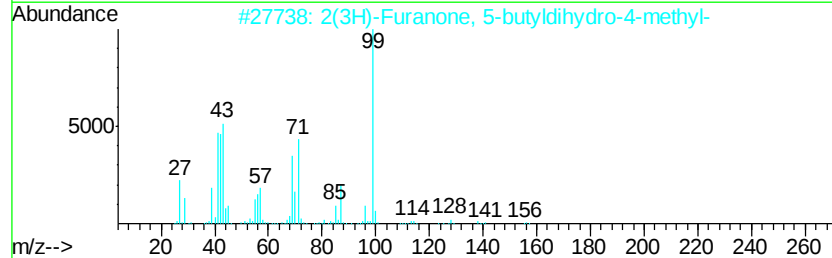
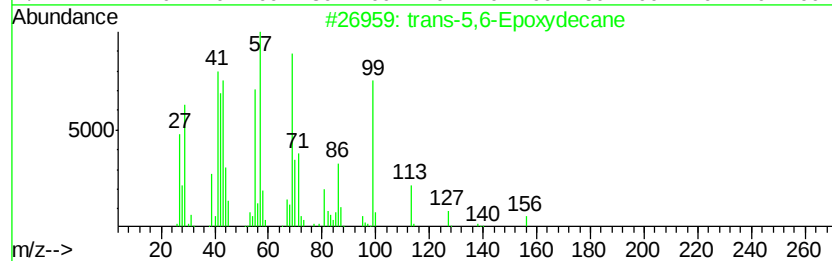
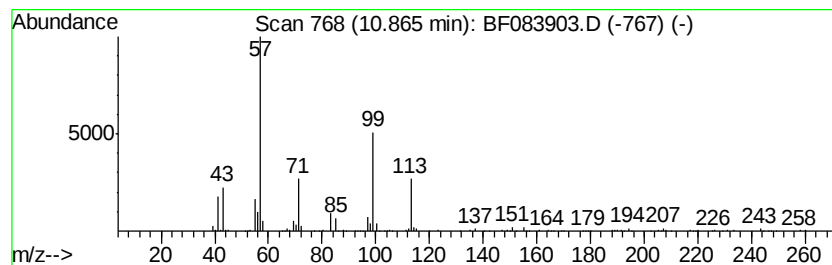
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 trans-5,6-Epoxydecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.86	4.74 ng	160536	Phenanthrene-d10	11.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-5,6-Epoxydecane	156	C10H20O	002165-61-9	72
2	2(3H)-Furanone, 5-butyldihydro-4...	156	C9H16O2	039212-23-2	47
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	43
4	Hexanoic acid, 6-tridecyl ester	298	C19H38O2	1000279-29-5	38
5	2(3H)-Furanone, 5-butyldihydro-4...	156	C9H16O2	055013-32-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Acq On : 18 Dec 2015 8:04
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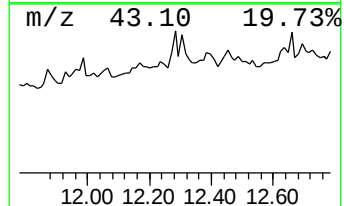
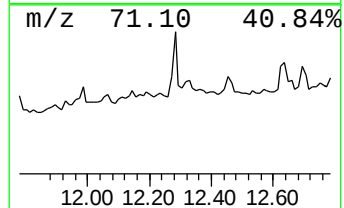
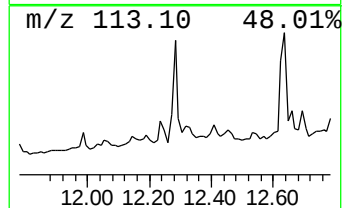
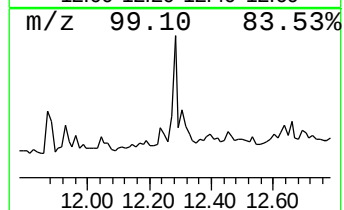
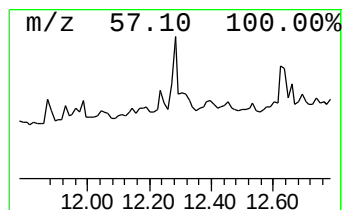
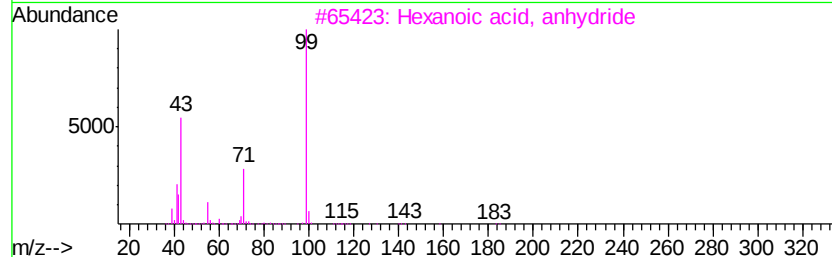
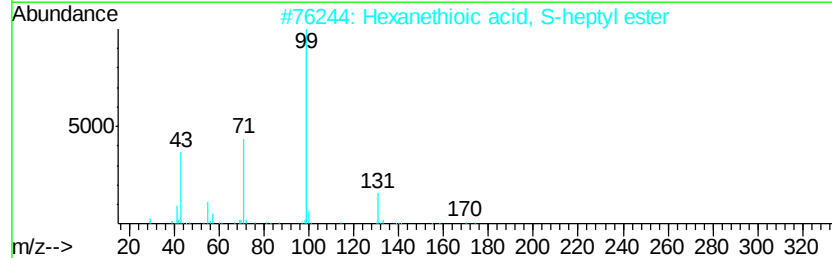
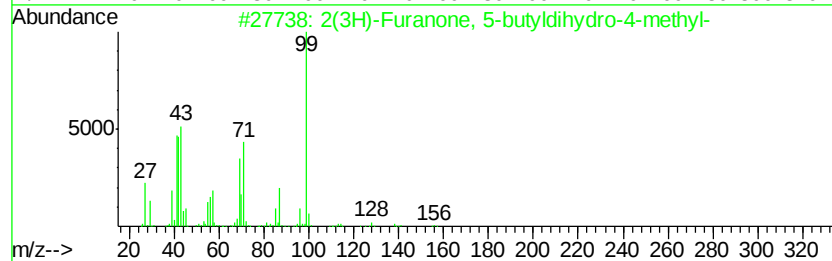
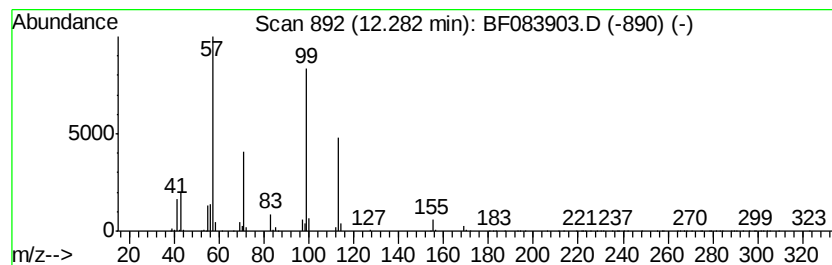
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2(3H)-Furanone, 5-butyldihydro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	22.99 ng	778421	Phenanthrene-d10	11.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2(3H)-Furanone, 5-butyldihydro-4...	156	C9H16O2	039212-23-2	50
2		Hexanethioic acid, S-heptyl ester	230	C13H26OS	002432-80-6	47
3		Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	47
4		Hexanethioic acid, S-decyl ester	272	C16H32OS	002432-81-7	47
5		Hexanoic acid, 4-hexadecyl ester	340	C22H44O2	1000282-83-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K1210-0-2

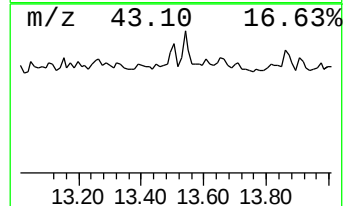
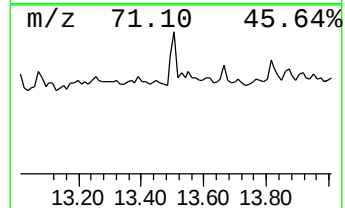
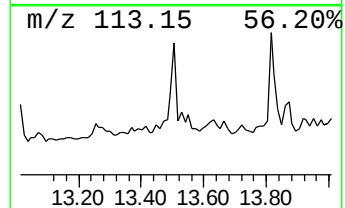
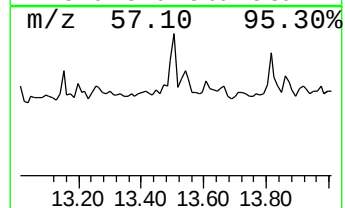
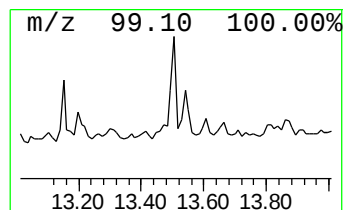
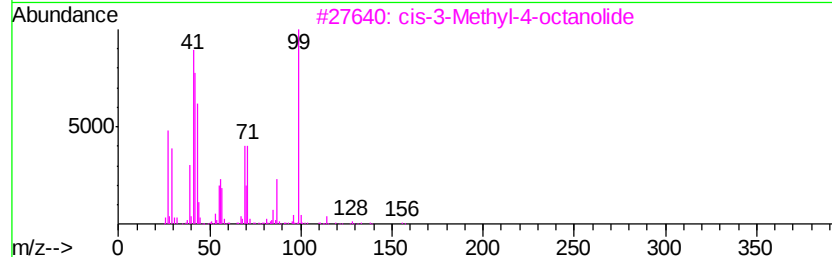
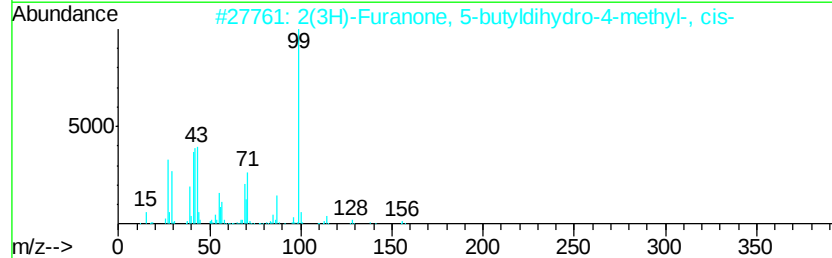
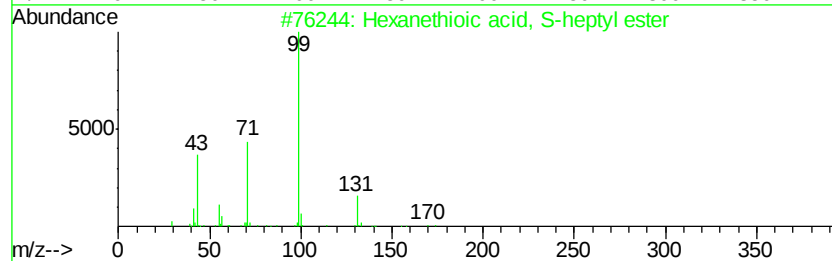
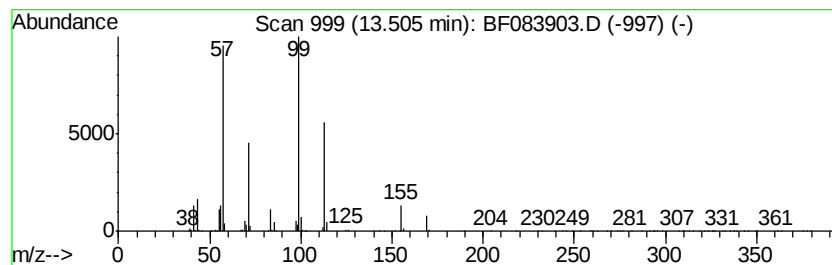
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown13.51 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	18.34 ng	719622	Chrysene-d12	14.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanethioic acid, S-heptyl ester	230	C13H26OS	002432-80-6	47
2		2(3H)-Furanone, 5-butyldihydro-4...	156	C9H16O2	055013-32-6	43
3		cis-3-Methyl-4-octanolide	156	C9H16O2	039638-67-0	43
4		2(3H)-Furanone, 5-butyldihydro-4...	156	C9H16O2	039212-23-2	40
5		Hexanethioic acid, S-decyl ester	272	C16H32OS	002432-81-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

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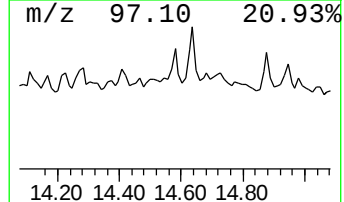
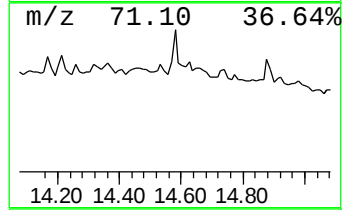
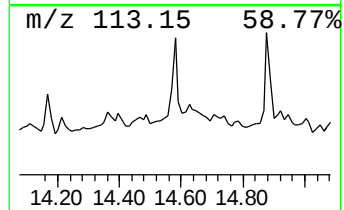
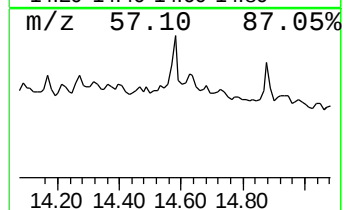
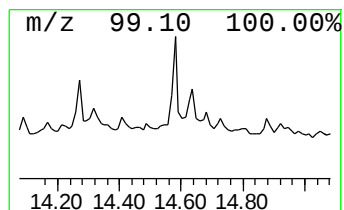
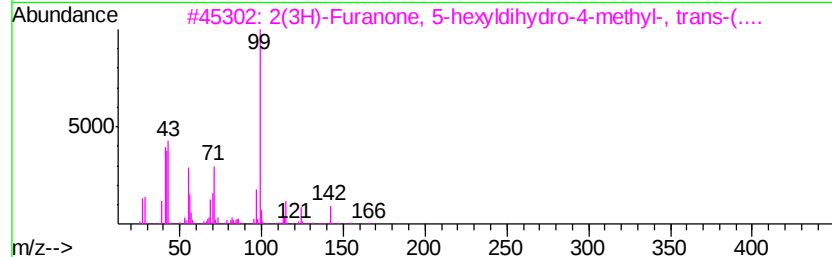
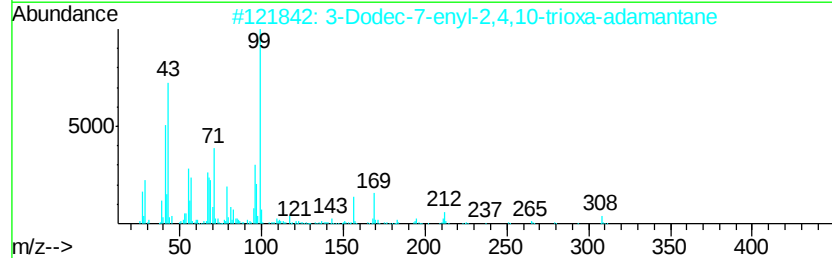
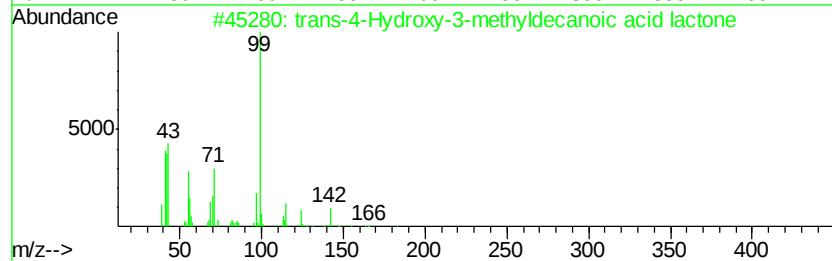
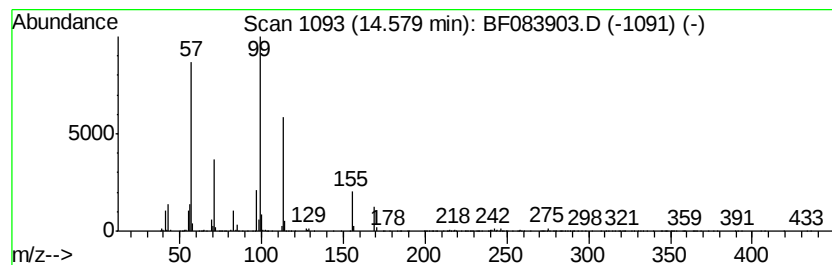
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown14.58 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	20.00 ng	784598	Chrysene-d12	14.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-4-Hydroxy-3-methyldecanoic...	184	C11H20O2	147254-33-9	47
2		3-Dodec-7-enyl-2,4,10-trioxa-ada...	308	C19H32O3	1000193-13-9	47
3		2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	125133-98-4	38
4		1-Pentanol, 2,2,4-trimethyl-	130	C8H18O	000123-44-4	37
5		4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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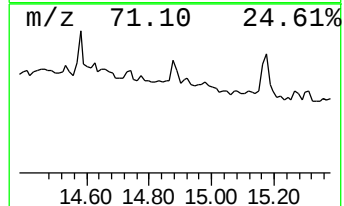
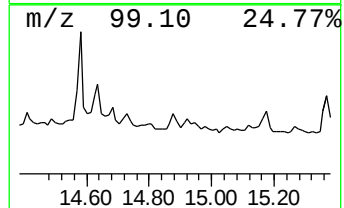
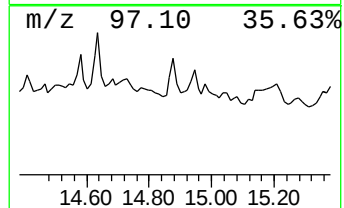
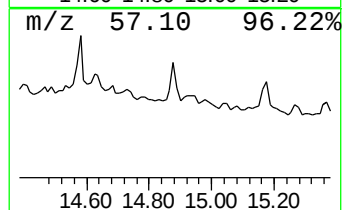
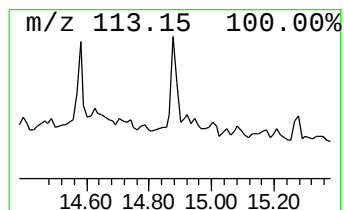
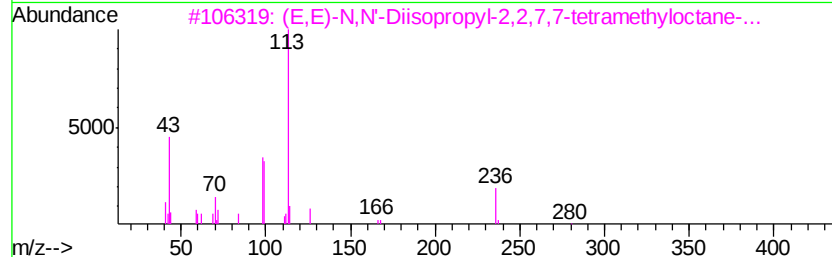
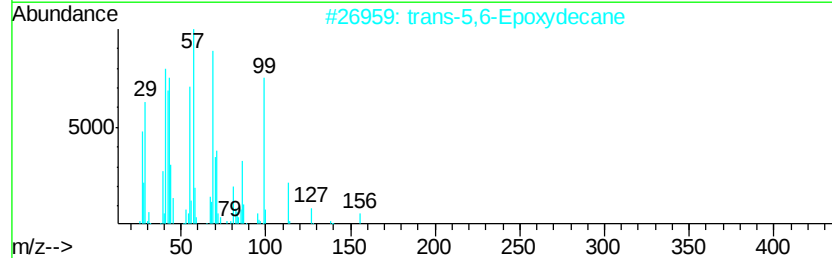
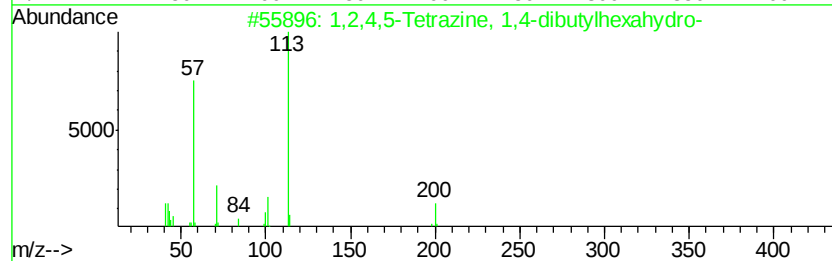
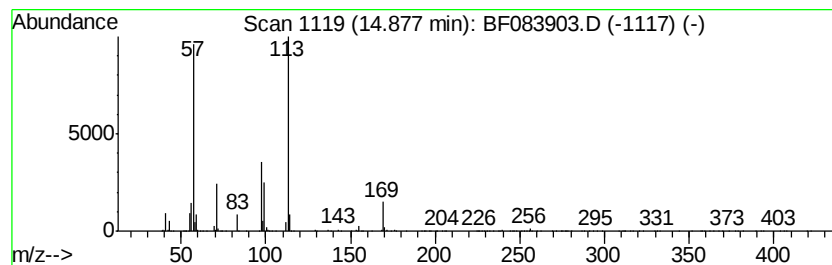
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.88 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	12.02 ng	514819	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4,5-Tetrazine, 1,4-dibutylhe...	200	C10H24N4	035035-70-2	33
2		trans-5,6-Epoxydecane	156	C10H20O	002165-61-9	30
3		(E,E)-N,N'-Diisopropyl-2,2,7,7-t...	280	C18H36N2	109106-22-1	28
4		Dibutyl itaconate	242	C13H22O4	002155-60-4	28
5		2-Pentenoic acid, 4-oxo-, methyl...	128	C6H8O3	002833-24-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

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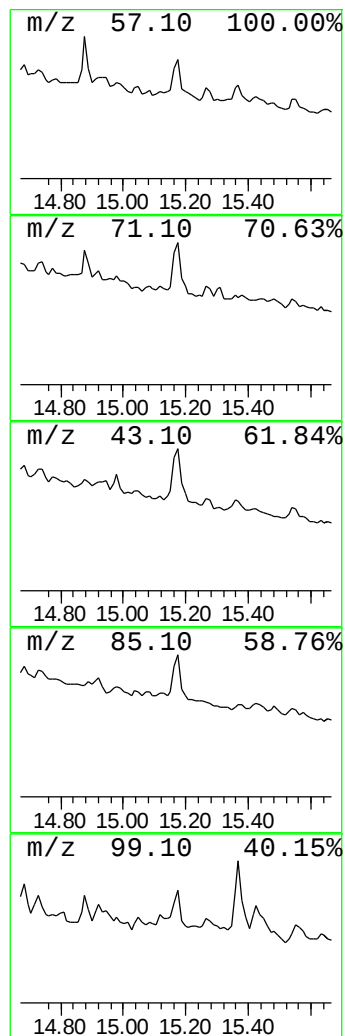
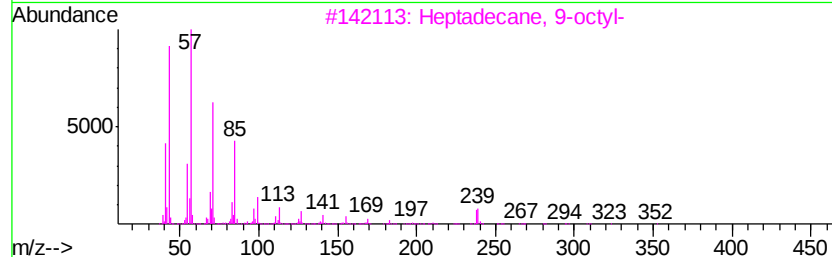
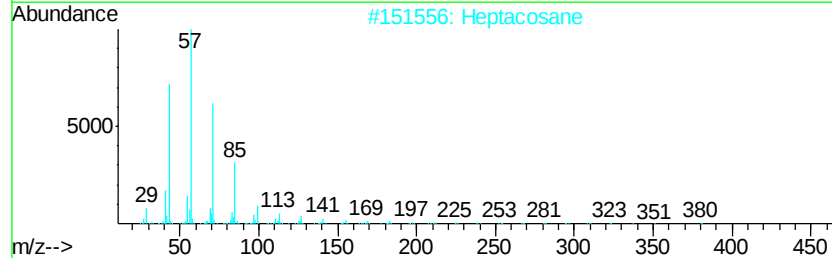
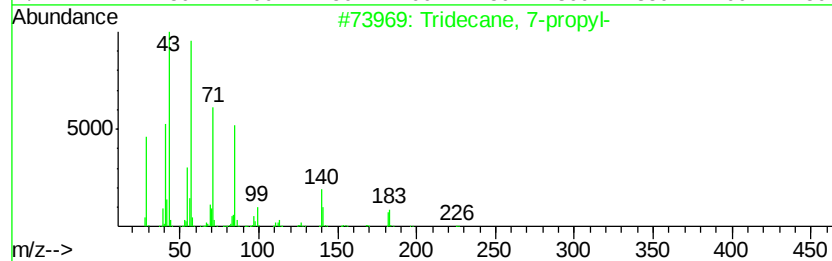
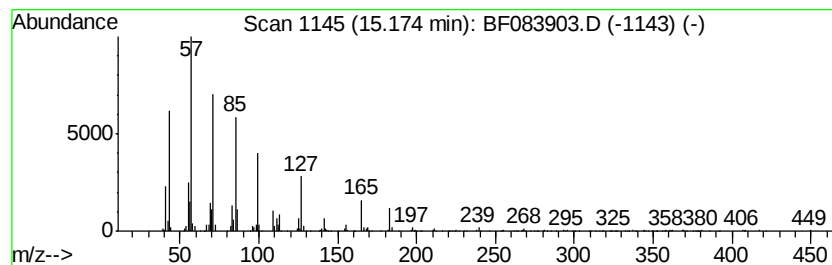
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tridecane, 7-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	32.61 ng	1397170	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	60
2		Heptacosane	380	C27H56	000593-49-7	50
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	49
4		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	49
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K1210-0-2

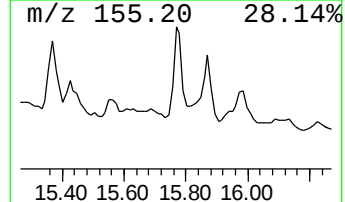
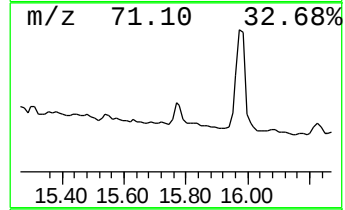
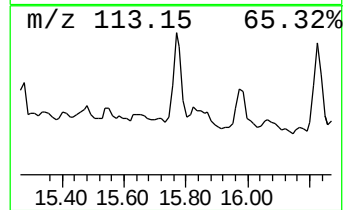
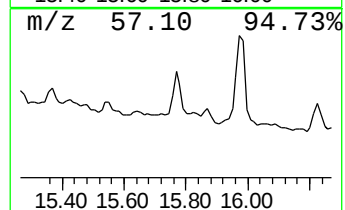
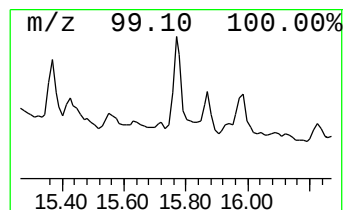
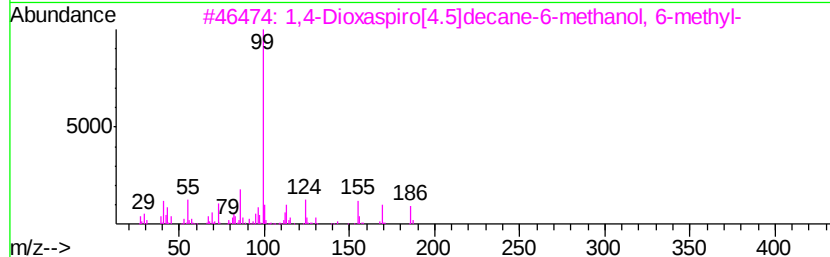
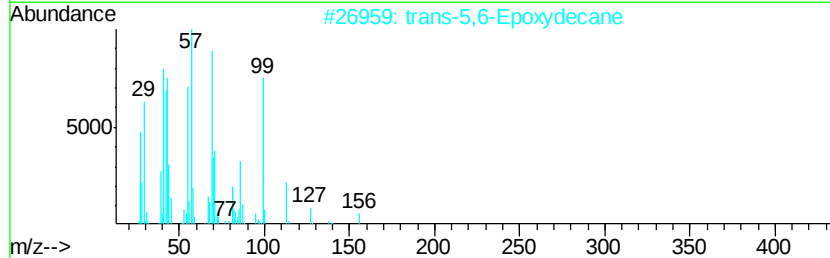
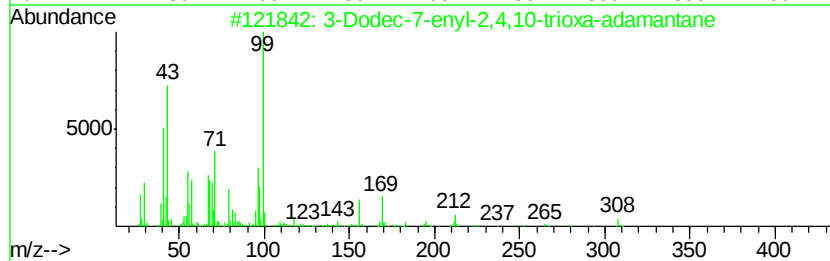
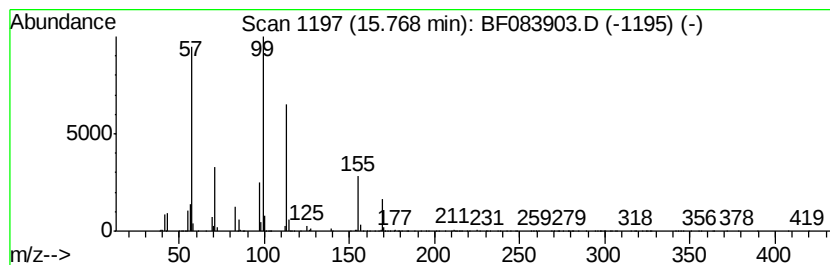
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown15.77 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	20.00 ng	856847	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Dodec-7-enyl-2,4,10-trioxa-ada...	308	C19H32O3	1000193-13-9	47
2		trans-5,6-Epoxydecane	156	C10H20O	002165-61-9	47
3		1,4-Dioxaspiro[4.5]decane-6-meth...	186	C10H18O3	087787-09-5	38
4		trans-4-Hydroxy-3-methyldecanoic...	184	C11H20O2	147254-33-9	38
5		trans-4-Hydroxy-3-methylundecano...	198	C12H22O2	148806-10-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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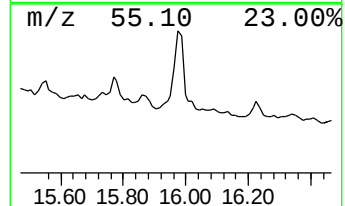
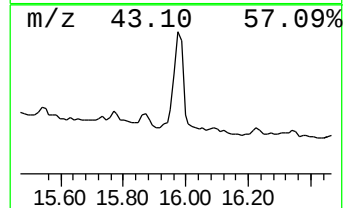
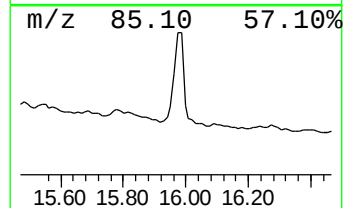
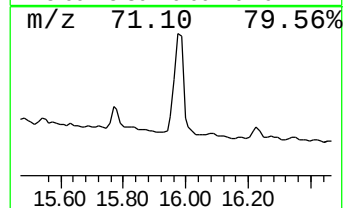
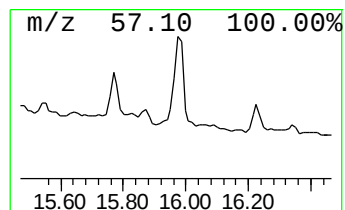
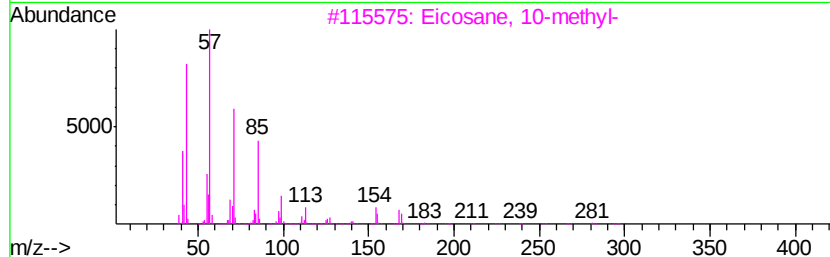
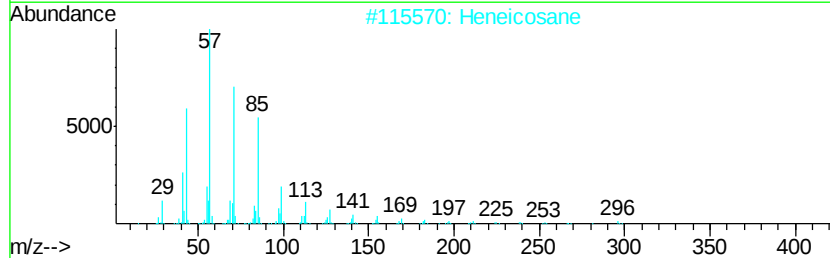
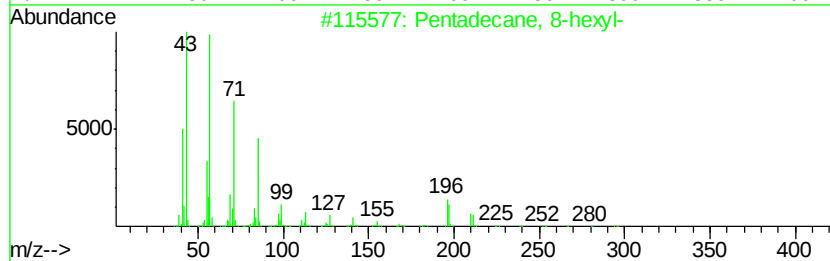
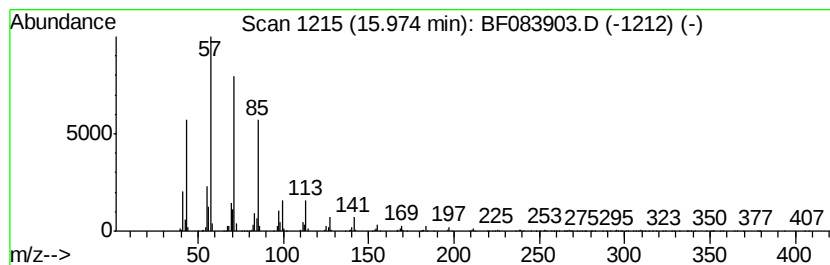
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Pentadecane, 8-hexyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	62.14 ng	2662390	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
2		Heneicosane	296	C21H44	000629-94-7	91
3		Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Acq On : 18 Dec 2015 8:04
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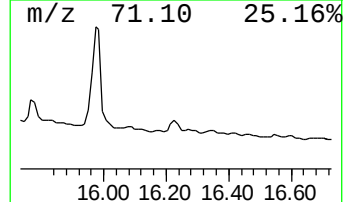
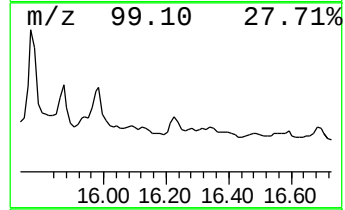
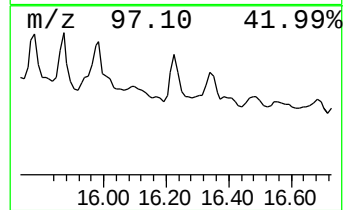
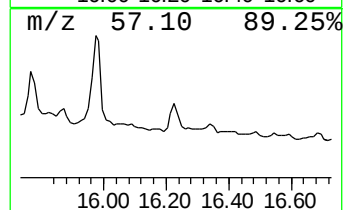
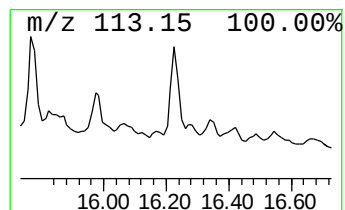
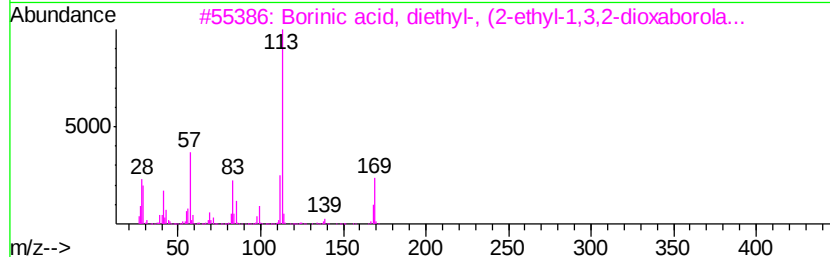
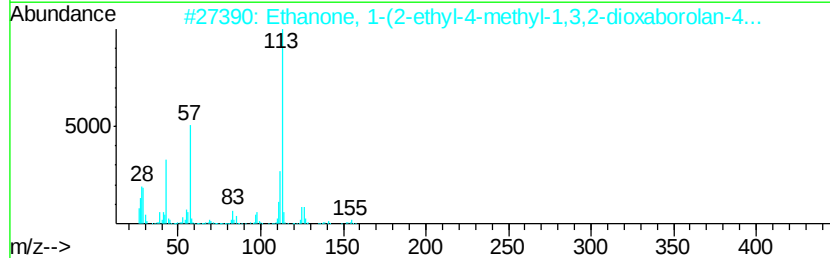
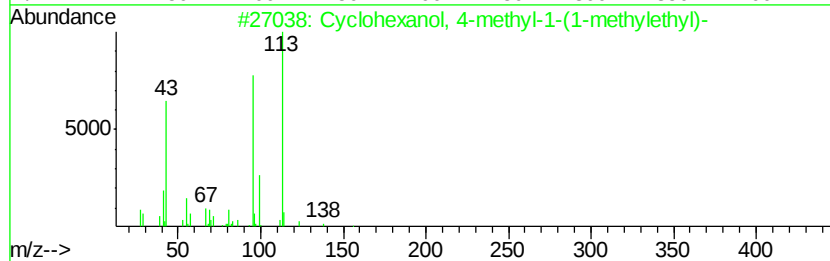
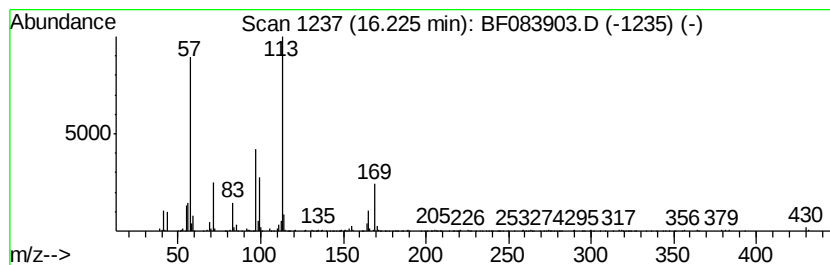
Instrument :
BNA_F
ClientSampleId :
K1210-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.23 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	12.16 ng	521078	Perylene-d12	15.53
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexanol, 4-methyl-1-(1-meth...	156 C10H20O	000470-65-5 38
2		Ethanone, 1-(2-ethyl-4-methyl-1,...	156 C7H13B03	074646-02-9 35
3		Borinic acid, diethyl-, (2-ethyl...	198 C9H20B2O3	058163-56-7 32
4		1-Methyl-4-octadecyl-piperazine	352 C23H48N2	113419-38-8 27
5		Acetamide, 2-(4-methyl-1-piperaz...	297 C14H20ClN3O2	329210-38-0 27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

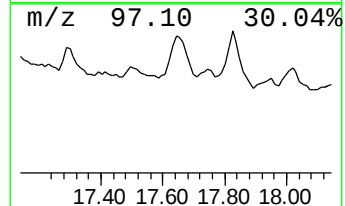
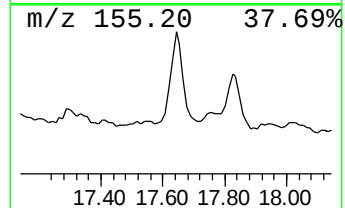
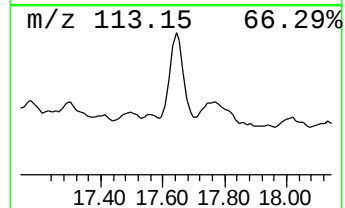
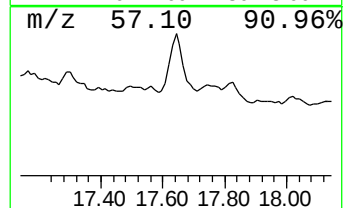
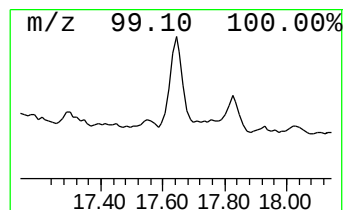
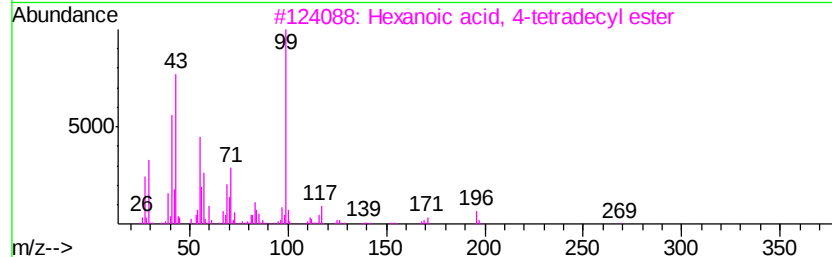
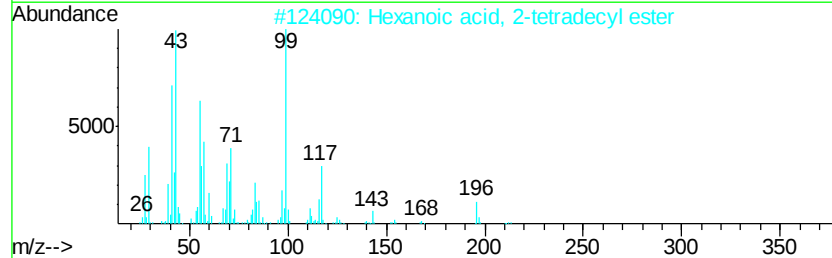
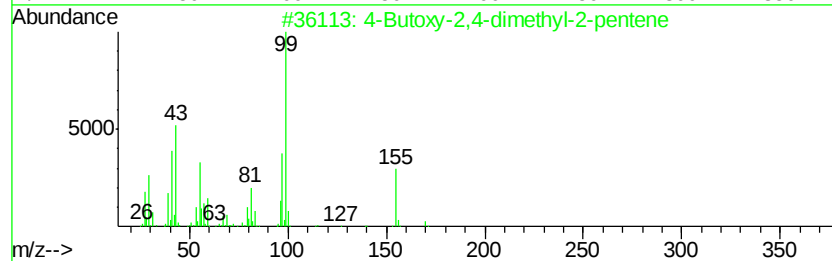
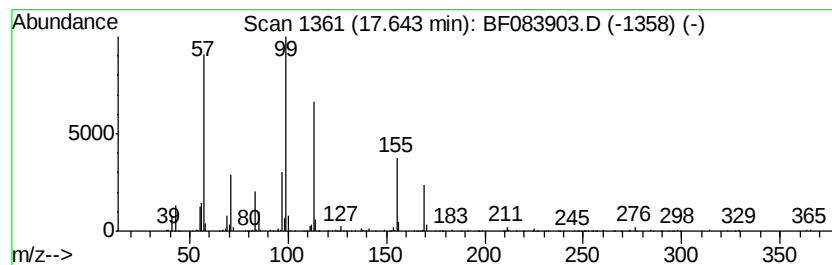
Instrument :
BNA_F
ClientSampleId :
K1210-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.64 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	16.32 ng	699177	Perylene-d12	15.53
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4-Butoxy-2,4-dimethyl-2-pentene	170 C11H22O	1000159-08-7	43
2	Hexanoic acid, 2-tetradecyl ester	312 C20H40O2	055193-21-0	38
3	Hexanoic acid, 4-tetradecyl ester	312 C20H40O2	1000279-29-8	38
4	Hexanoic acid, 3-tetradecyl ester	312 C20H40O2	1000279-29-7	38
5	Dihexadecyl phosphate	546 C32H67O4P	002197-63-9	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083903.D
 Acq On : 18 Dec 2015 8:04
 Operator : UM/SJ
 Sample : G4759-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.07	6.8	ng	252152	1	6.88	737518	20.0
Camphene	6.33	2.8	ng	101433	1	6.88	737518	20.0
unknown6.66	6.66	41.3	ng	1522240	1	6.88	737518	20.0
unknown6.70	6.70	4.6	ng	170558	1	6.88	737518	20.0
2-Methyl-4-octenal	6.94	4.5	ng	164871	1	6.88	737518	20.0
unknown7.57	7.57	2.7	ng	135960	2	8.17	1019870	20.0
unknown7.73	7.73	2.6	ng	133844	2	8.17	1019870	20.0
Bicyclo[2.2.1]hep...	7.92	5.1	ng	260929	2	8.17	1019870	20.0
Caryophyllene	9.58	3.0	ng	182422	3	9.92	1216370	20.0
trans-5,6-Epoxyde...	10.86	4.7	ng	160536	4	11.41	677114	20.0
2(3H)-Furanone, 5...	12.28	23.0	ng	778421	4	11.41	677114	20.0
unknown13.51	13.51	18.3	ng	719622	5	14.08	784598	20.0
unknown14.58	14.58	20.0	ng	784598	5	14.08	784598	20.0
unknown14.88	14.88	12.0	ng	514819	6	15.53	856847	20.0
Tridecane, 7-propyl-	15.17	32.6	ng	1397170	6	15.53	856847	20.0
unknown15.77	15.77	20.0	ng	856847	6	15.53	856847	20.0
Pentadecane, 8-he...	15.97	62.1	ng	2662390	6	15.53	856847	20.0
unknown16.23	16.23	12.2	ng	521078	6	15.53	856847	20.0
unknown17.64	17.64	16.3	ng	699177	6	15.53	856847	20.0