

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
 Data File : BF091331.D
 Acq On : 29 Nov 2016 17:13
 Operator : UM/SJ
 Sample : H5696-02
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

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-BF112916.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	2.710	34	37	40	rVB	101688	150066	2.39%	0.267%
2	4.424	184	187	190	rBV	2576187	3365631	53.58%	5.984%
3	4.630	202	205	209	rBV2	73815	130269	2.07%	0.232%
4	5.076	240	244	248	rBV	661009	1390578	22.14%	2.472%
5	5.476	276	279	282	rBV	4475874	4993071	79.49%	8.877%
6	6.493	365	368	371	rBV	3662387	5053983	80.46%	8.985%
7	6.630	378	380	383	rBV	3985652	5634960	89.71%	10.018%
8	6.870	398	401	402	rBV	1066273	1205082	19.19%	2.143%
9	7.019	412	414	417	rVB	3363834	4111595	65.46%	7.310%
10	7.430	447	450	452	rBV	3735816	3957293	63.00%	7.036%
11	8.150	510	513	514	rBV	1727123	1727093	27.50%	3.071%
12	8.173	514	515	517	rVB	222064	154281	2.46%	0.274%
13	9.225	604	607	610	rBV	5080389	6281048	100.00%	11.167%
14	9.899	664	666	668	rBV	1806336	1674180	26.65%	2.977%
15	10.413	709	711	712	rBV	81436	66152	1.05%	0.118%
16	10.688	732	735	738	rBV	3965561	4173235	66.44%	7.420%
17	11.385	793	796	798	rBV	1916634	1736720	27.65%	3.088%
18	11.911	840	842	844	rBV	97137	109551	1.74%	0.195%
19	12.082	854	857	861	rBV	285074	293307	4.67%	0.521%
20	12.608	900	903	909	rBV3	29912	96200	1.53%	0.171%
21	12.699	909	911	917	rVV	186423	225920	3.60%	0.402%
22	12.802	917	920	922	rVV	1110342	991506	15.79%	1.763%
23	12.871	922	926	929	rVB	120597	165870	2.64%	0.295%
24	12.974	932	935	937	rBV	5505835	5491308	87.43%	9.763%
25	13.499	979	981	983	rBV2	537149	600697	9.56%	1.068%
26	13.568	983	987	990	rVB2	48179	127204	2.03%	0.226%
27	13.762	999	1004	1006	rBV3	23832	67916	1.08%	0.121%
28	14.014	1023	1026	1028	rBV	1230338	1123301	17.88%	1.997%
29	14.197	1040	1042	1044	rBV	76869	71365	1.14%	0.127%
30	15.442	1148	1151	1154	rBV	789136	923920	14.71%	1.643%
31	16.174	1209	1215	1217	rBV3	68797	153065	2.44%	0.272%

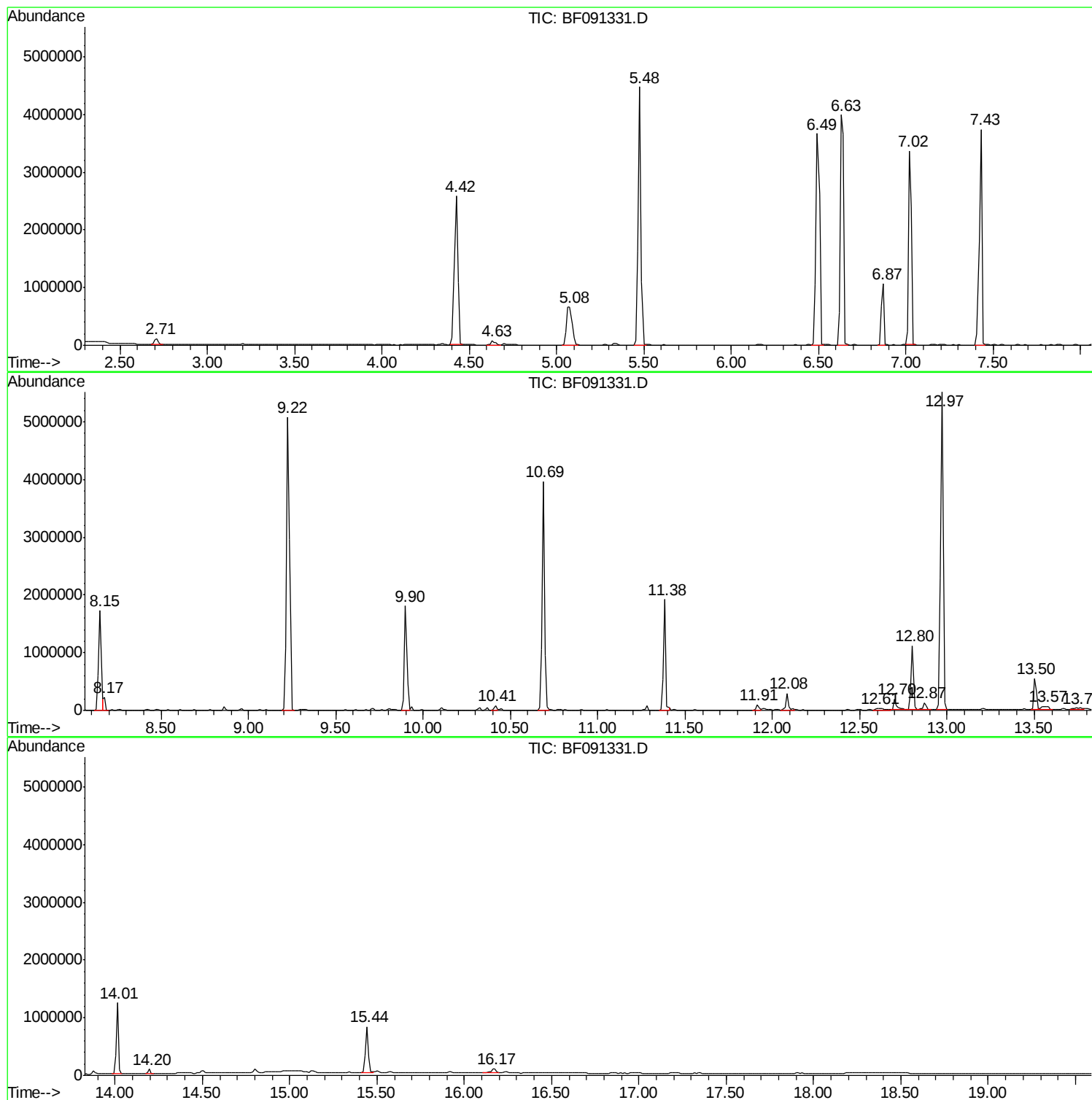
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Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-CUTTINGS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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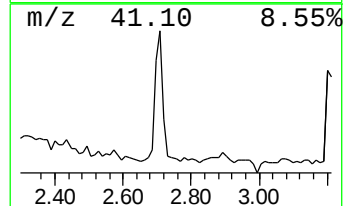
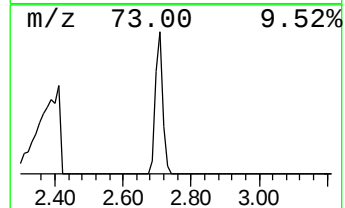
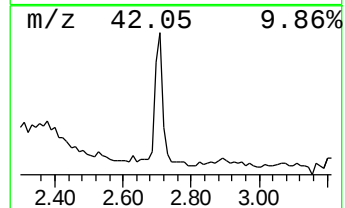
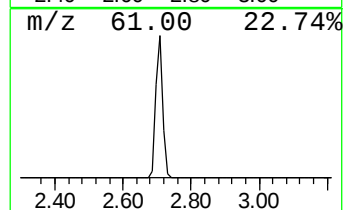
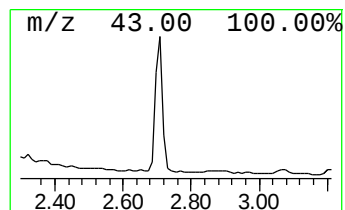
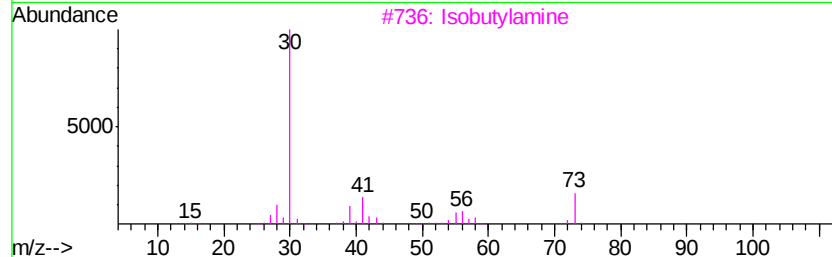
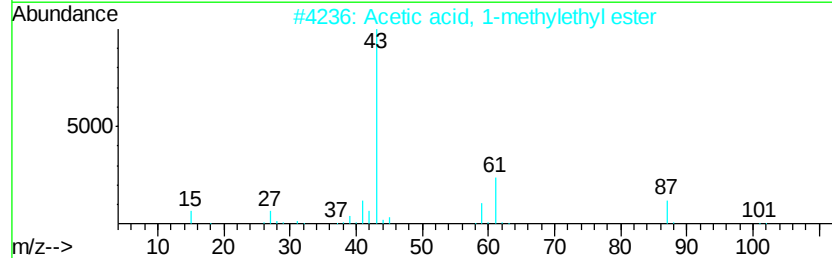
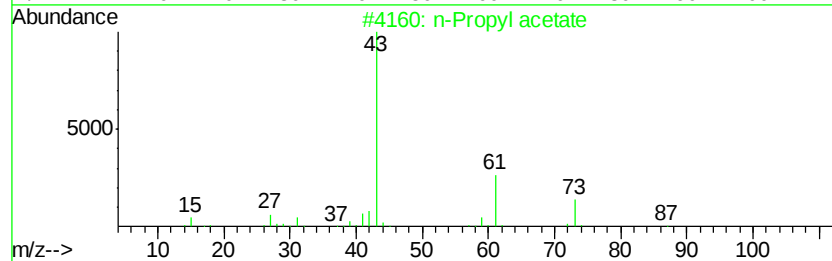
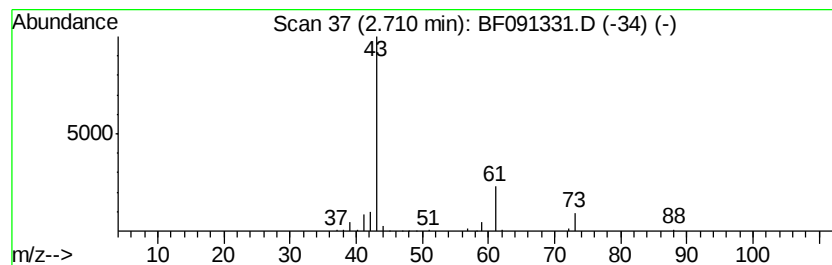
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 n-Propyl acetate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	2.49 ng	150066	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Propyl acetate	102	C5H10O2	000109-60-4	78
2		Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	38
3		Isobutylamine	73	C4H11N	000078-81-9	7
4		1-Butanamine	73	C4H11N	000109-73-9	7
5		1,4-Butanediamine	88	C4H12N2	000110-60-1	5



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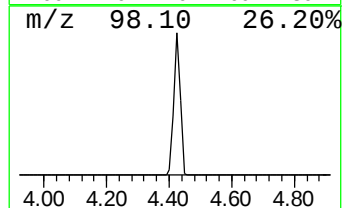
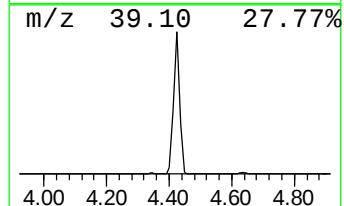
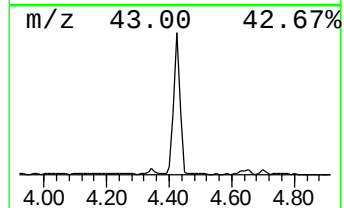
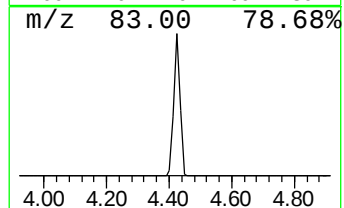
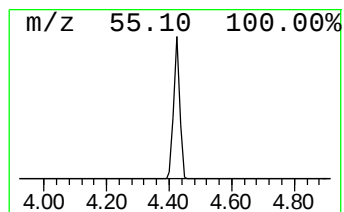
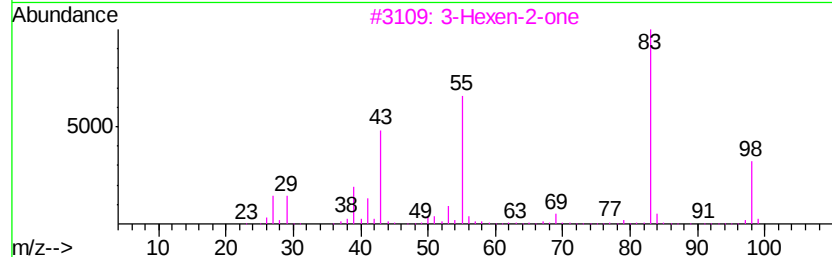
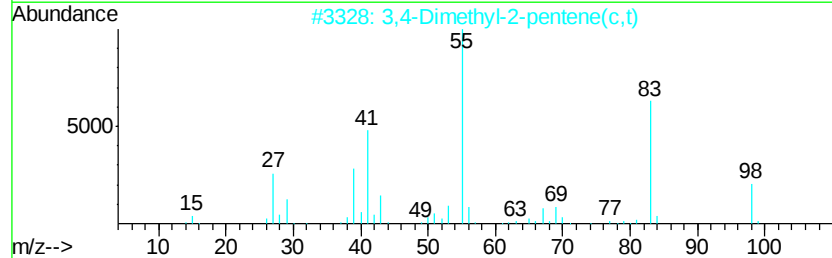
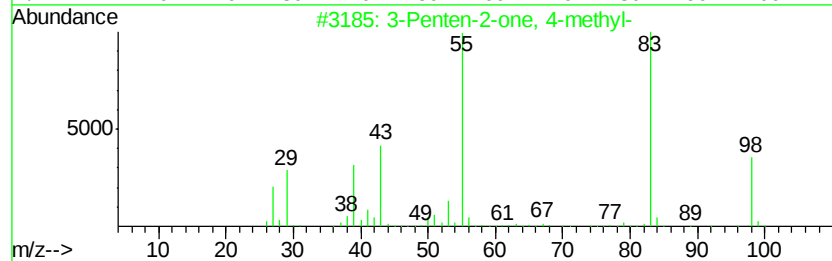
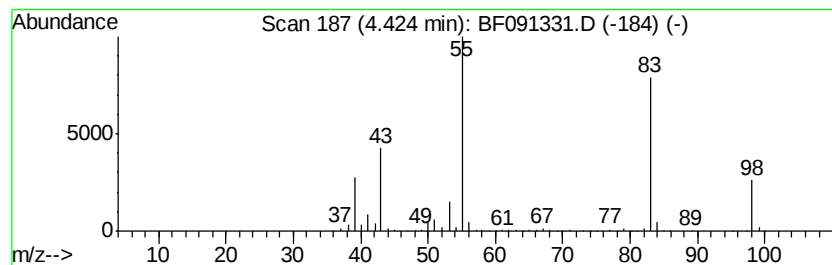
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Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.42	55.86 ng	3365630	1,4-Dichlorobenzene-d4	6.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
2			3,4-Dimethyl-2-pentene(c,t)	98	C7H14	1000118-16-5	86
3			3-Hexen-2-one	98	C6H10O	000763-93-9	80
4			2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	72
5			Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	72



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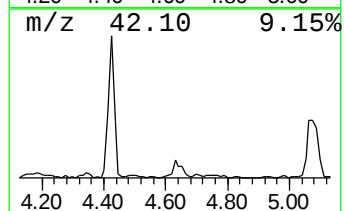
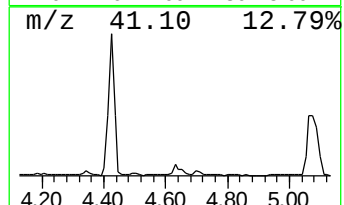
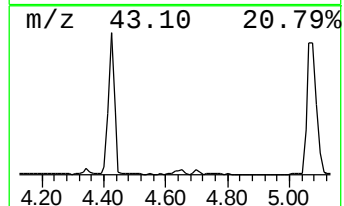
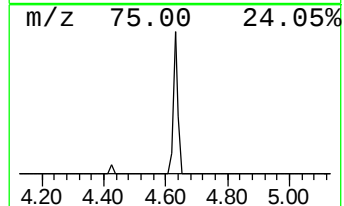
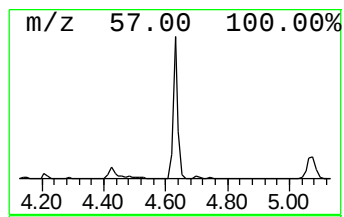
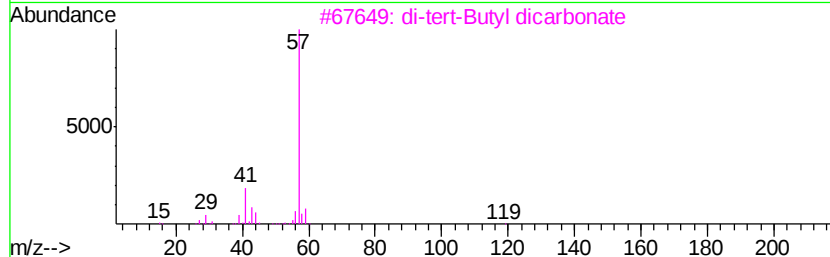
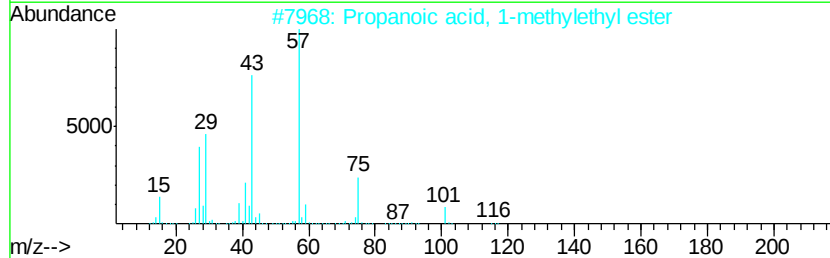
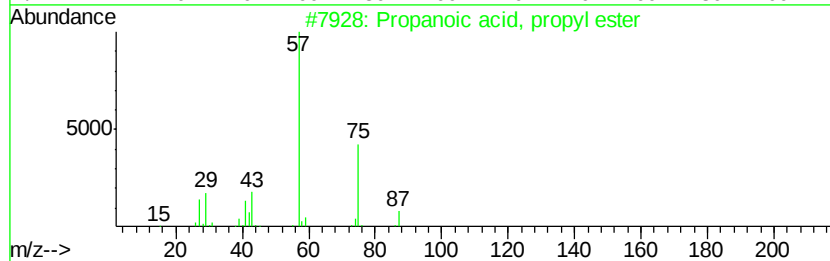
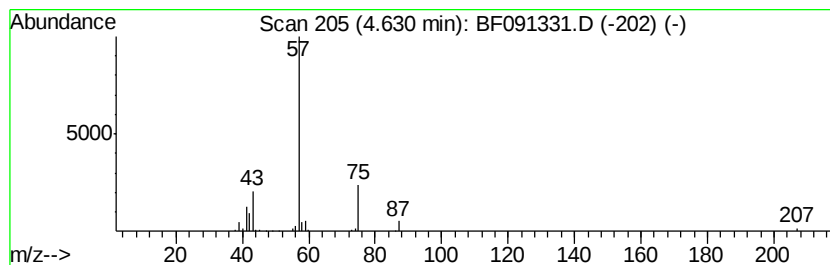
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown4.63 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	2.16 ng	130269	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	39
2		Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	38
3		di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	12
4		1-Pentanamine	87	C5H13N	000110-58-7	9
5		Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	9



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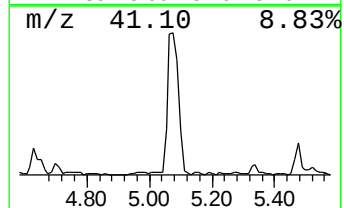
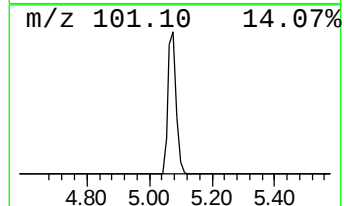
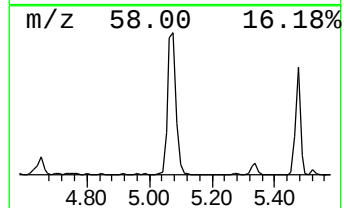
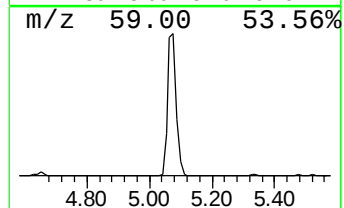
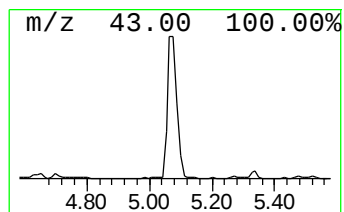
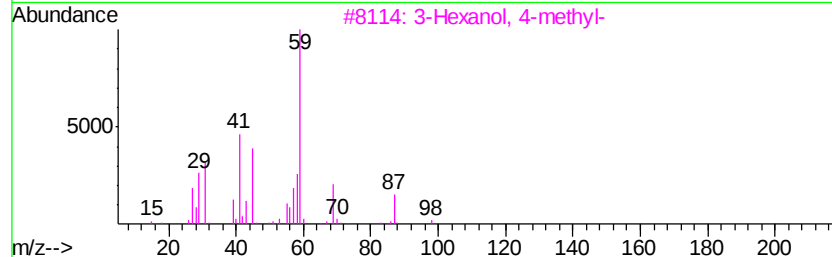
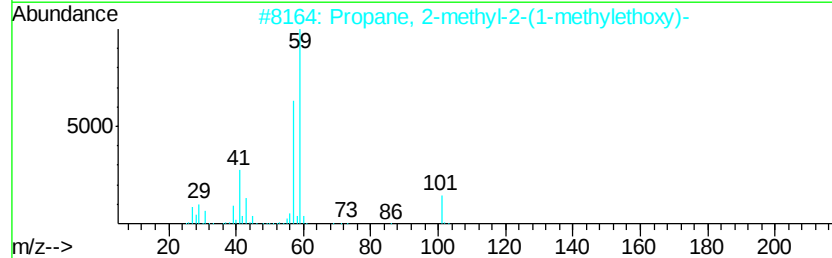
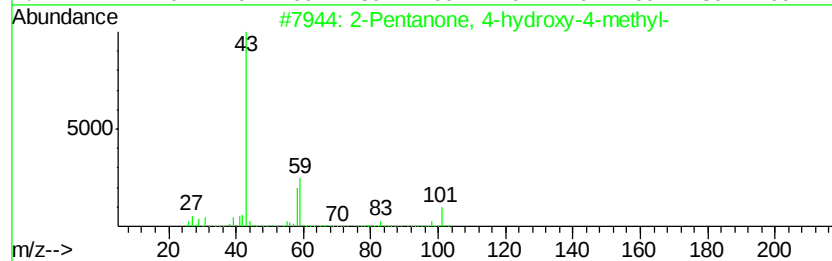
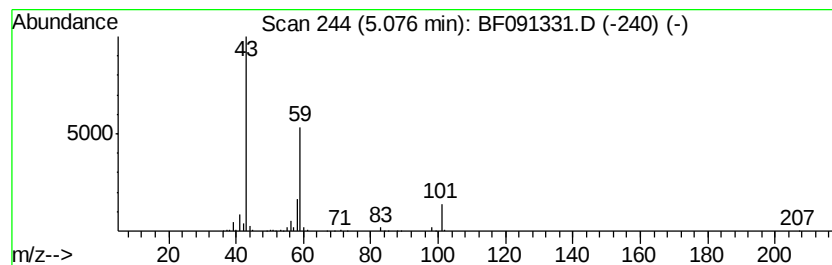
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Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	23.08 ng	1390580	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32



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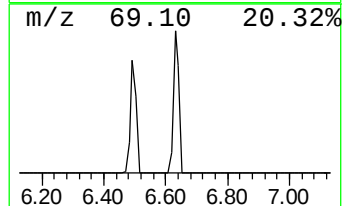
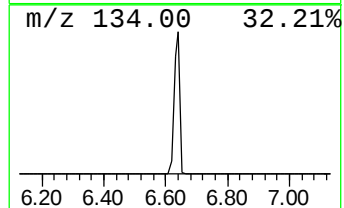
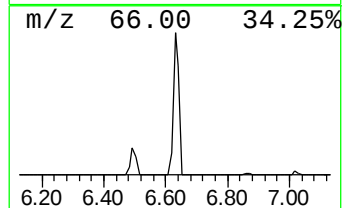
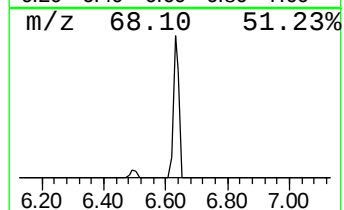
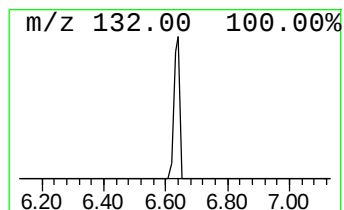
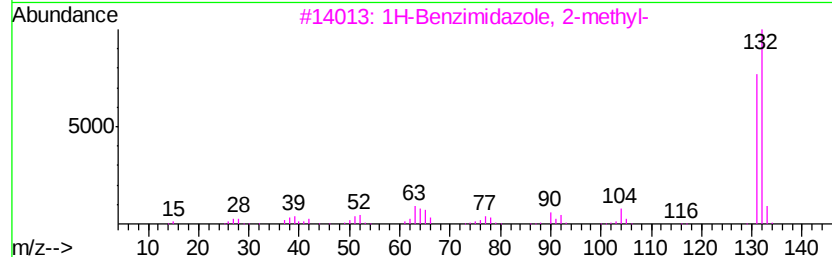
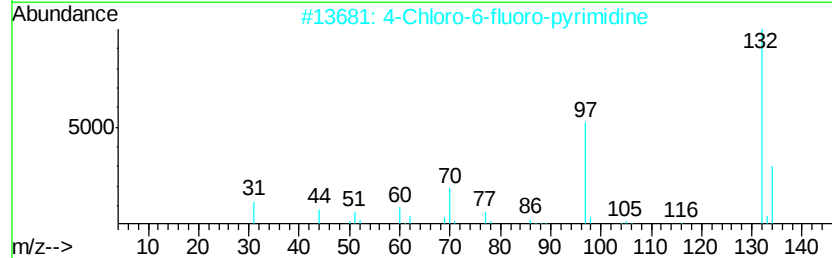
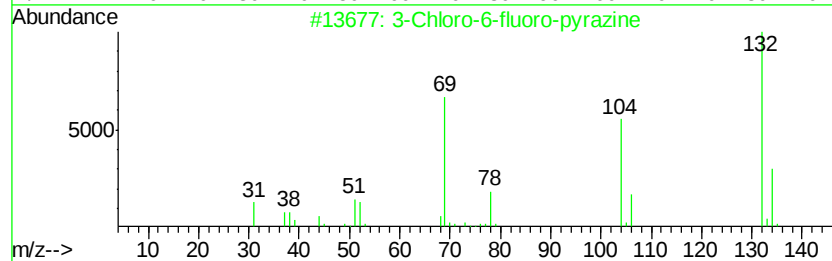
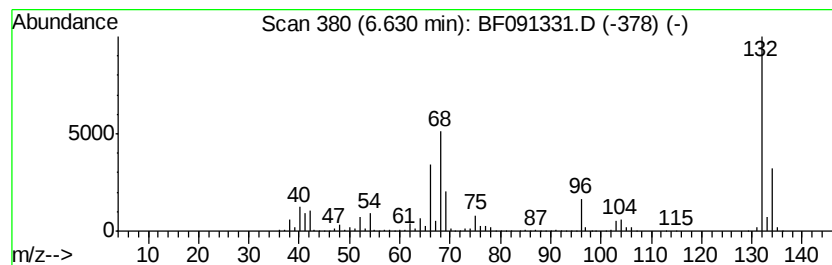
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Peak Number 5 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	93.52 ng	5634960	1,4-Dichlorobenzene-d4	6.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine			132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-			132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine			132	C4H2ClFN2	062802-42-0	12
5	(5-METHYL-2-PYRIDYL)ACETONITRILE			132	C8H8N2	1000241-93-9	10



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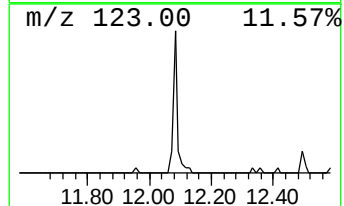
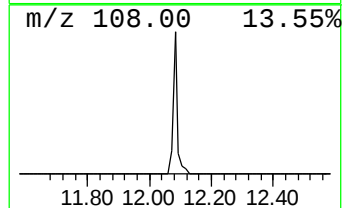
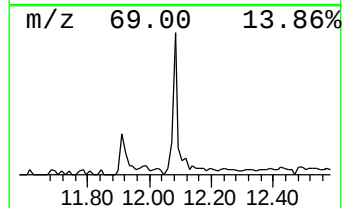
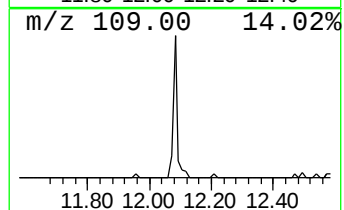
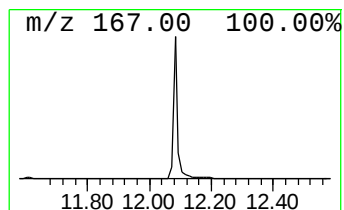
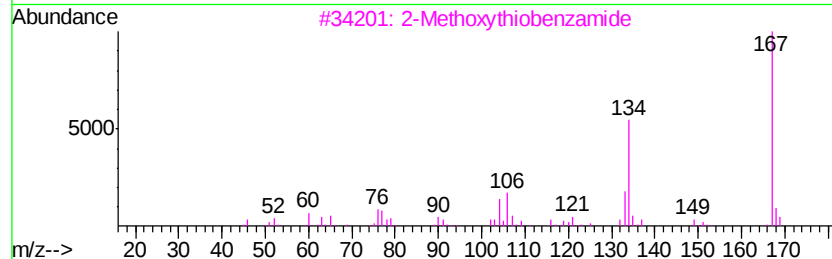
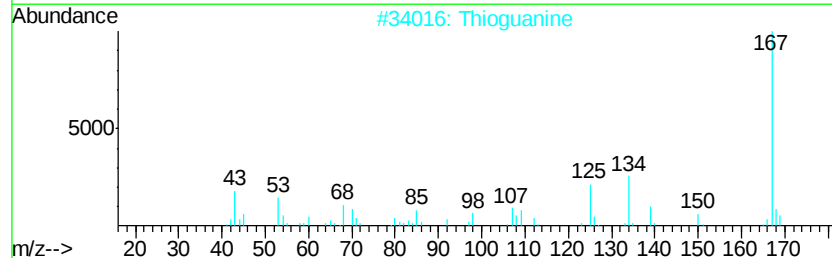
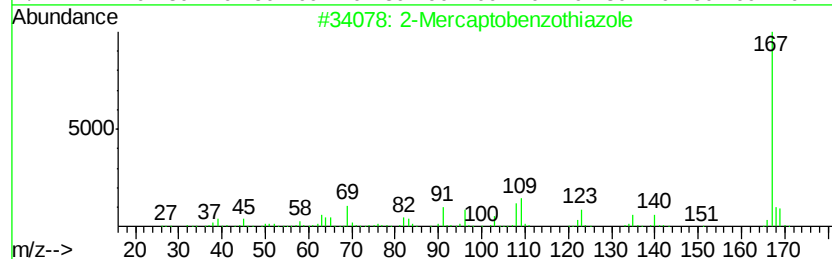
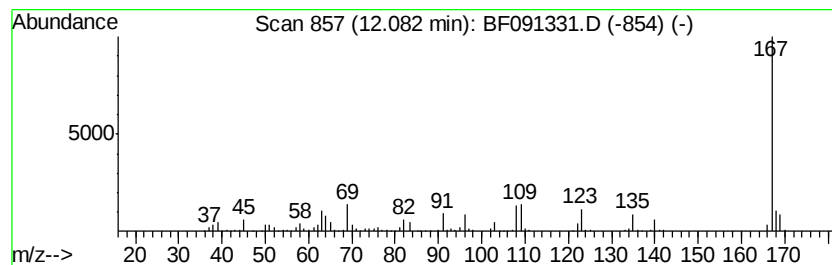
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Mercaptobenzothiazole Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	3.38 ng	293307	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Mercaptobenzothiazole	167	C7H5NS2	000149-30-4	96
2		Thioguanine	167	C5H5N5S	000154-42-7	59
3		2-Methoxythiobenzamide	167	C8H9NOS	042590-97-6	50
4		5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	50
5		Benzaldehyde, 2-hydroxy-5-nitro-	167	C7H5NO4	000097-51-8	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
Data File : BF091331.D
Acq On : 29 Nov 2016 17:13
Operator : UM/SJ
Sample : H5696-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

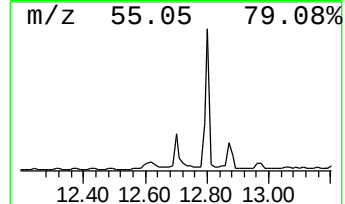
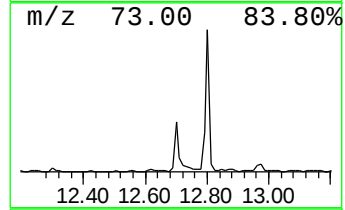
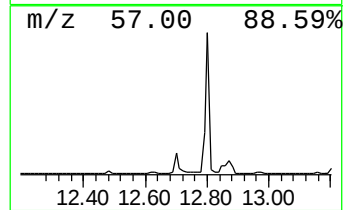
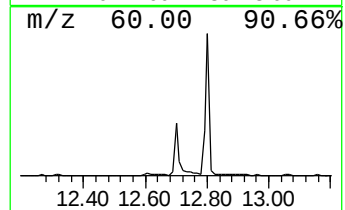
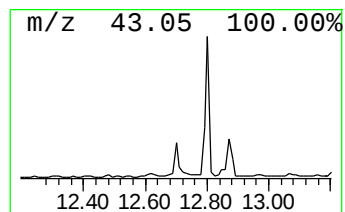
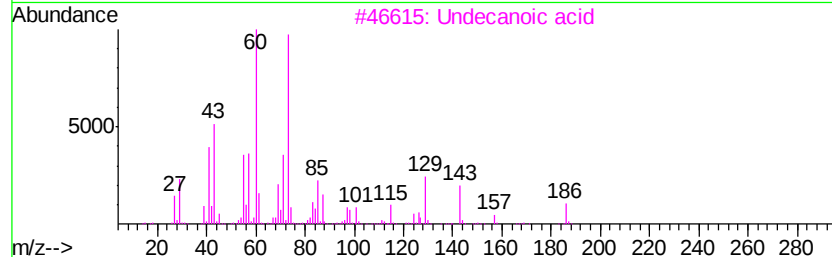
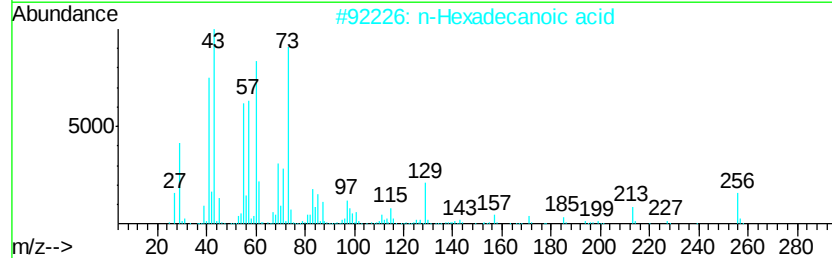
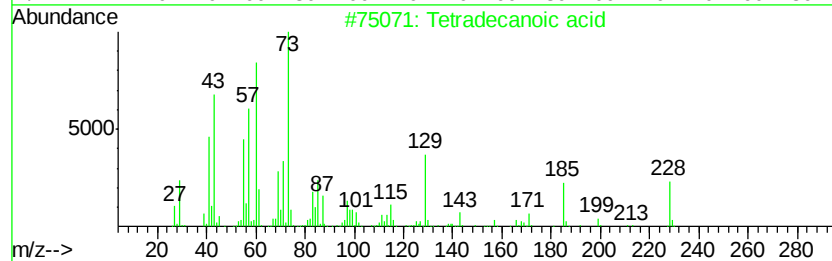
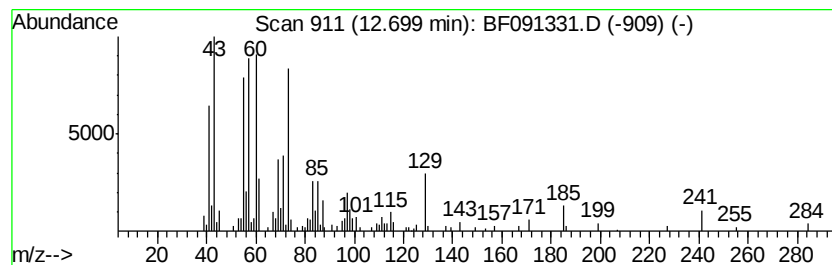
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetradecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	2.60 ng	225920	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
3		Undecanoic acid	186	C11H22O2	000112-37-8	68
4		n-Decanoic acid	172	C10H20O2	000334-48-5	53
5		Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
Data File : BF091331.D
Acq On : 29 Nov 2016 17:13
Operator : UM/SJ
Sample : H5696-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-CUTTINGS

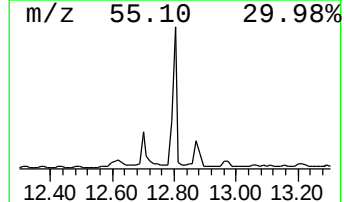
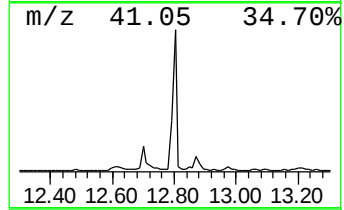
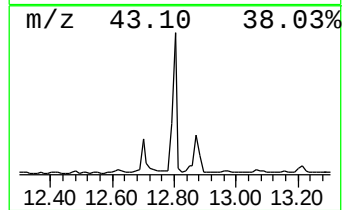
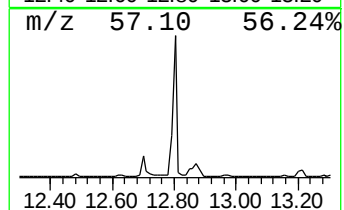
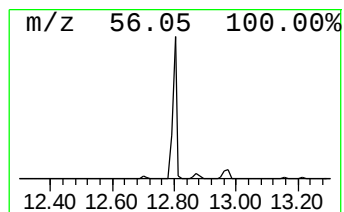
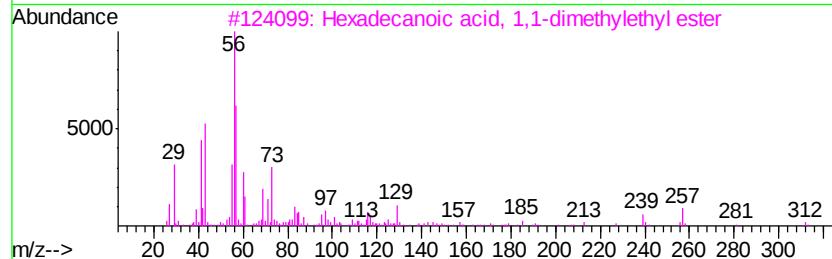
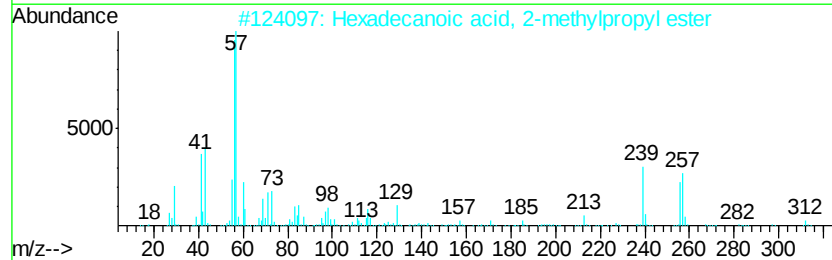
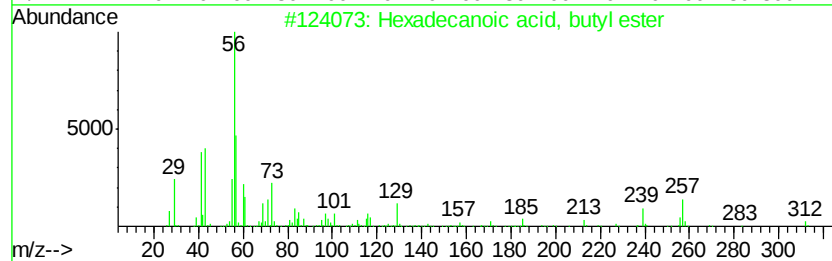
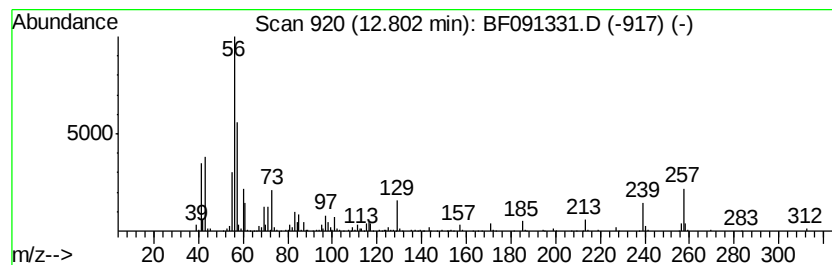
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	17.65 ng	991506	Chrysene-d12	14.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	90
2		Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	59
3		Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	50
4		Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	38
5		Cycloheptylamine	113	C7H15N	005452-35-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
Data File : BF091331.D
Acq On : 29 Nov 2016 17:13
Operator : UM/SJ
Sample : H5696-02
Misc :
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Instrument :
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ClientSampleId :
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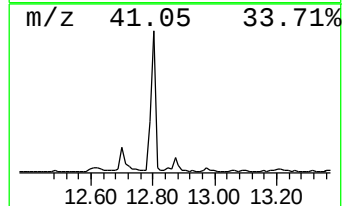
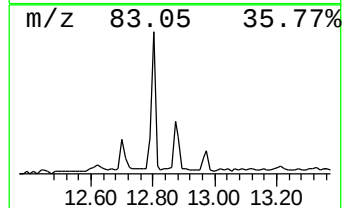
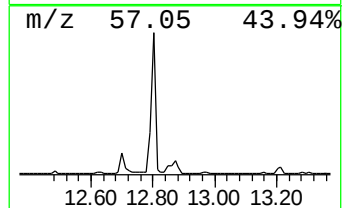
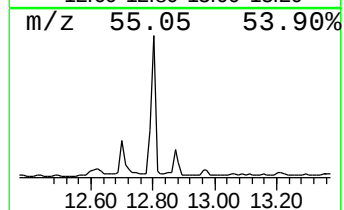
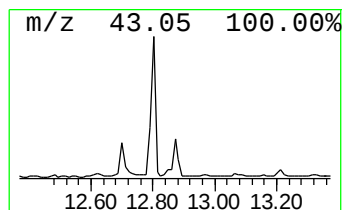
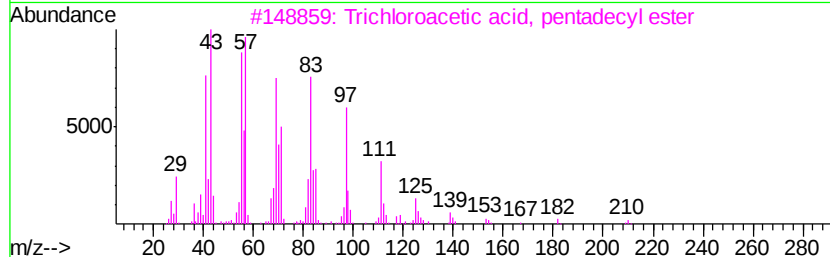
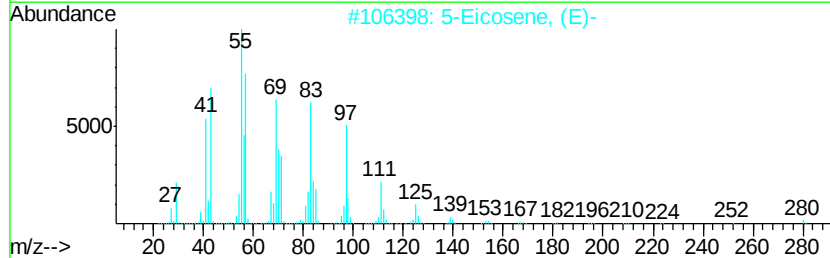
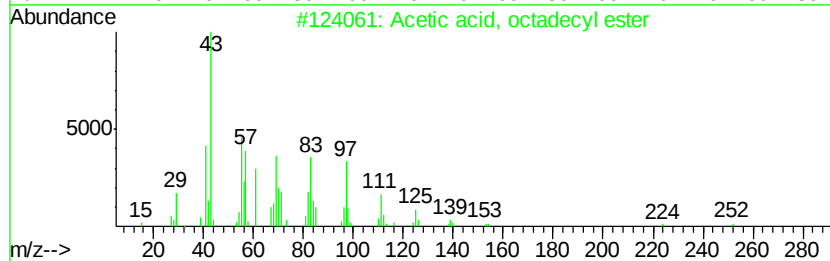
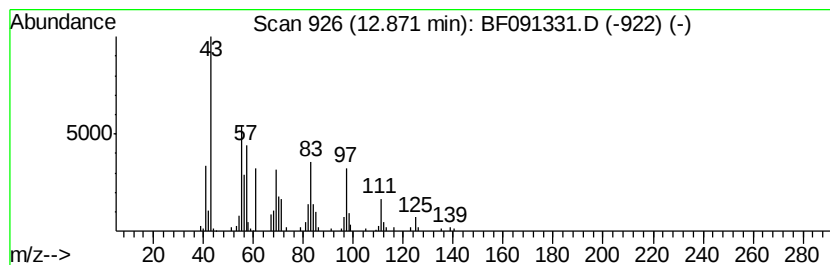
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Acetic acid, octadecyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.95 ng	165870	Chrysene-d12	14.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, octadecyl ester	312	C20H40O2	000822-23-1	87
2			5-Eicosene, (E)-	280	C20H40	074685-30-6	64
3			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	64
4			1-Heptadecanol	256	C17H36O	001454-85-9	64
5			1-Tridecene	182	C13H26	002437-56-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
Data File : BF091331.D
Acq On : 29 Nov 2016 17:13
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Instrument :
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ClientSampleId :
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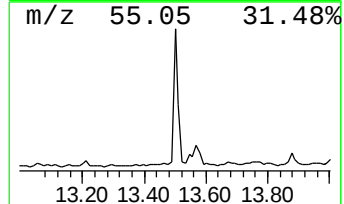
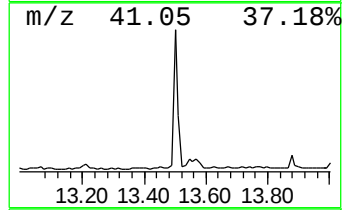
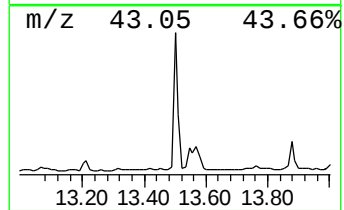
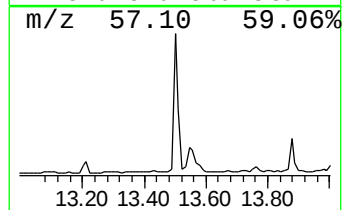
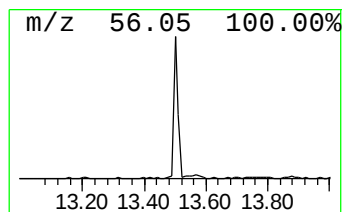
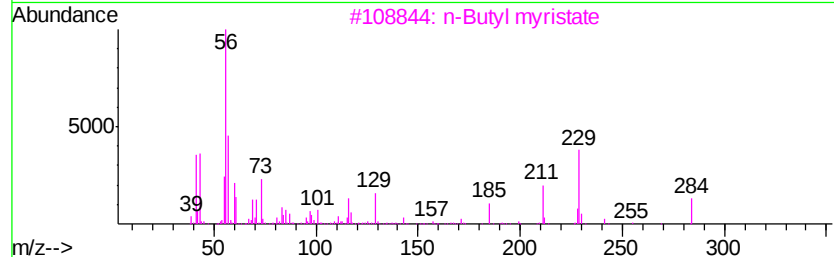
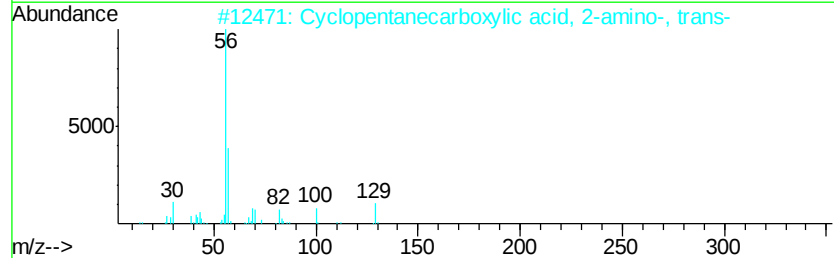
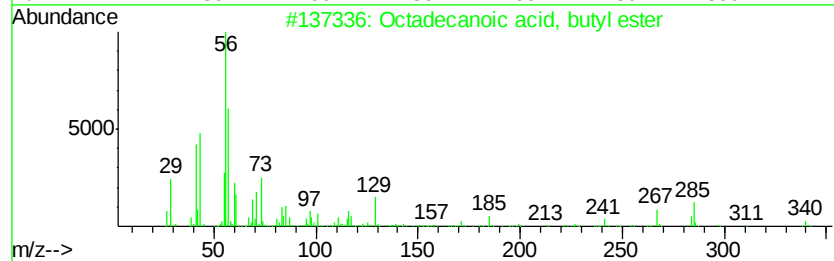
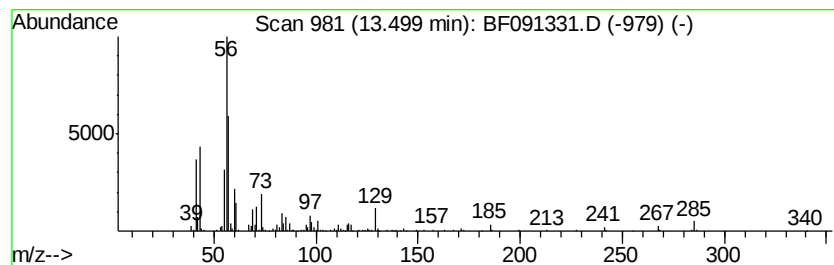
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	10.70 ng	600697	Chrysene-d12	14.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	62
2		Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	46
3		n-Butyl myristate	284	C18H36O2	000110-36-1	38
4		Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	35
5		1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
Data File : BF091331.D
Acq On : 29 Nov 2016 17:13
Operator : UM/SJ
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Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

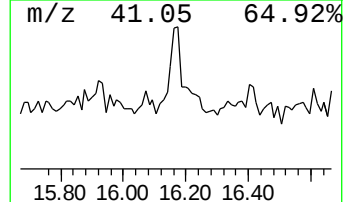
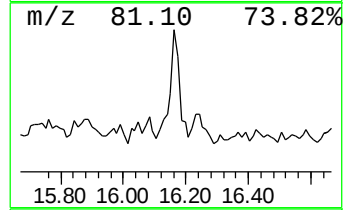
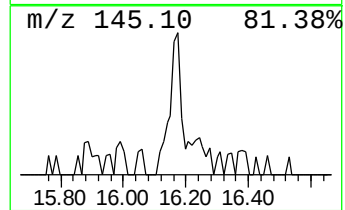
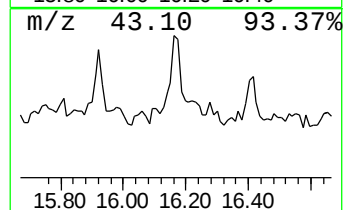
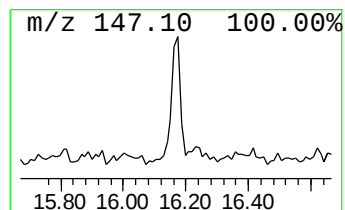
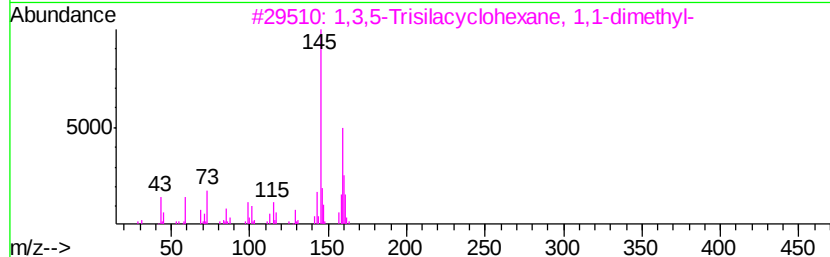
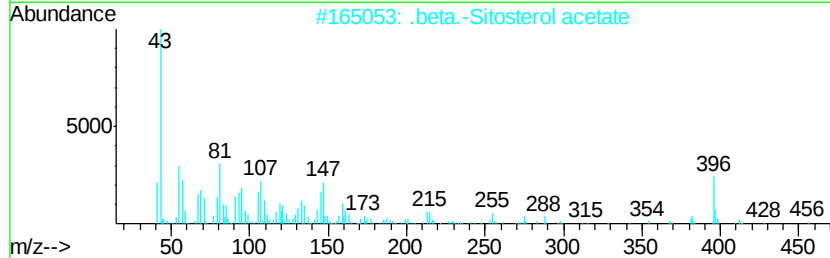
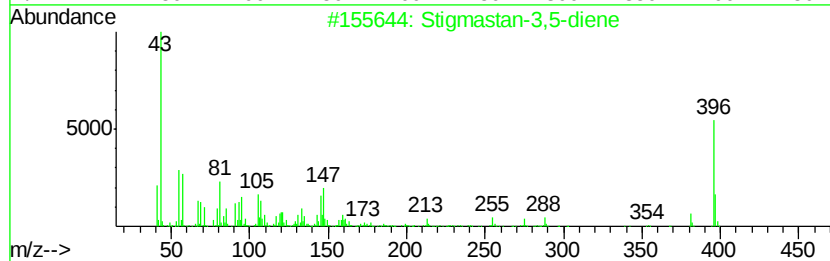
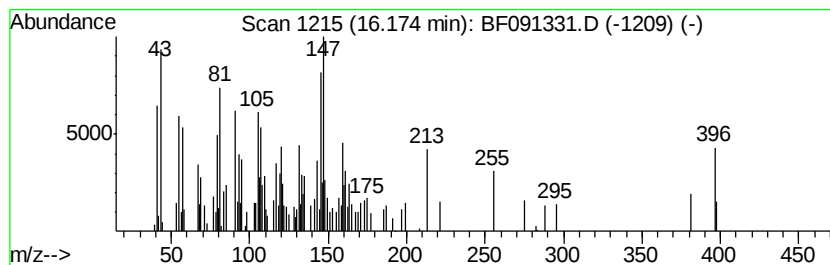
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown16.17 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	3.31 ng	153065	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmastan-3,5-diene	396	C29H48	1000214-16-4	43
2		.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	25
3		1,3,5-Trisilacyclohexane, 1,1-di...	160	C5H16Si3	054424-15-6	11
4		Benzene, 1-fluoro-3-(2-cyanoethe...	147	C9H6FN	082344-56-7	10
5		Benzene, 1-fluoro-4-(2-cyanoethe...	147	C9H6FN	027530-50-3	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
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Acq On : 29 Nov 2016 17:13
Operator : UM/SJ
Sample : H5696-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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
n-Propyl acetate	2.71	2.5	ng	150066	1	6.87	1205080	20.0
3-Penten-2-one, 4...	4.42	55.9	ng	3365630	1	6.87	1205080	20.0
unknown4.63	4.63	2.2	ng	130269	1	6.87	1205080	20.0
2-Pentanone, 4-hy...	5.08	23.1	ng	1390580	1	6.87	1205080	20.0
unknown6.63	6.63	93.5	ng	5634960	1	6.87	1205080	20.0
2-Mercaptobenzoth...	12.08	3.4	ng	293307	4	11.39	1736720	20.0
Tetradecanoic acid	12.70	2.6	ng	225920	4	11.39	1736720	20.0
Hexadecanoic acid...	12.80	17.6	ng	991506	5	14.01	1123300	20.0
Acetic acid, octa...	12.87	3.0	ng	165870	5	14.01	1123300	20.0
Octadecanoic acid...	13.50	10.7	ng	600697	5	14.01	1123300	20.0
unknown16.17	16.17	3.3	ng	153065	6	15.44	923920	20.0