

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090044.D
 Acq On : 9 Sep 2016 00:33
 Operator : UM/SJ
 Sample : H4688-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-SOILPILES-UST16

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-BF083116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.724	10	12	62	rVB	4624915	12789389	100.00%	22.849%
2	2.707	96	98	113	rBV	28288	154204	1.21%	0.275%
3	4.730	272	275	288	rBV	610309	1137265	8.89%	2.032%
4	5.176	311	314	317	rBV	3356919	4054021	31.70%	7.243%
5	6.250	405	408	410	rBV	3621578	4281126	33.47%	7.649%
6	6.364	415	418	421	rVV	3917696	4128816	32.28%	7.376%
7	6.593	436	438	441	rBV	753324	1037480	8.11%	1.854%
8	6.753	450	452	455	rBV	3391298	3291523	25.74%	5.881%
9	7.165	485	488	491	rBV	1913370	2555331	19.98%	4.565%
10	7.885	549	551	553	rBV	1587830	1384617	10.83%	2.474%
11	8.970	643	646	648	rBV	4292474	4965955	38.83%	8.872%
12	9.370	678	681	683	rBV	1358729	1892577	14.80%	3.381%
13	9.633	701	704	706	rBV	1452260	1498338	11.72%	2.677%
14	10.411	769	772	775	rBV	2112250	2426257	18.97%	4.335%
15	10.559	783	785	788	rBV	73919	140691	1.10%	0.251%
16	11.096	830	832	836	rBV	1035354	1336166	10.45%	2.387%
17	11.656	880	881	884	rBV2	192643	199110	1.56%	0.356%
18	12.296	936	937	940	rVB	171825	218444	1.71%	0.390%
19	12.525	955	957	959	rBV	221811	222863	1.74%	0.398%
20	12.685	968	971	975	rBV	3400905	3414206	26.70%	6.100%
21	13.588	1048	1050	1056	rVB	204927	293603	2.30%	0.525%
22	13.714	1058	1061	1068	rVB	1162327	1439903	11.26%	2.573%
23	14.217	1104	1105	1111	rVB2	90818	138681	1.08%	0.248%
24	14.697	1145	1147	1152	rBV	94558	185072	1.45%	0.331%
25	14.800	1154	1156	1161	rBV3	146358	287945	2.25%	0.514%
26	15.051	1176	1178	1182	rBV	642948	869160	6.80%	1.553%
27	15.485	1213	1216	1217	rBV	89304	136077	1.06%	0.243%
28	16.285	1282	1286	1292	rVB4	55691	184378	1.44%	0.329%
29	16.480	1300	1303	1307	rVB3	50027	129610	1.01%	0.232%
30	16.754	1324	1327	1332	rBV3	100988	234039	1.83%	0.418%
31	17.954	1428	1432	1444	rVB2	152974	454997	3.56%	0.813%
32	18.434	1469	1474	1486	rVB3	140543	490917	3.84%	0.877%

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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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

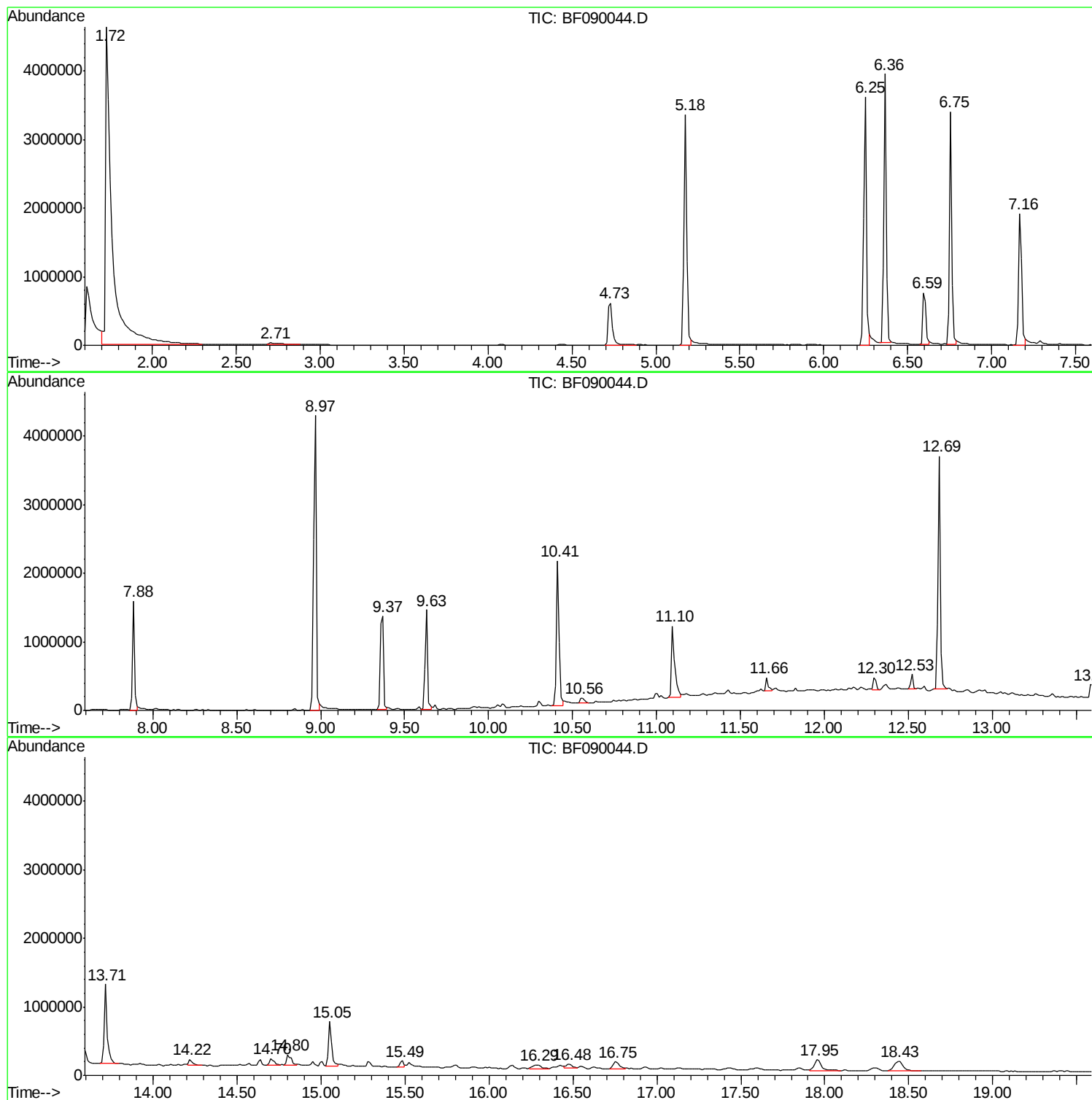
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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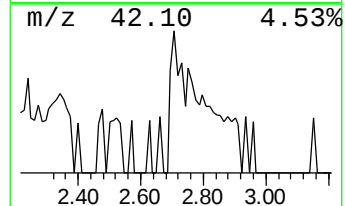
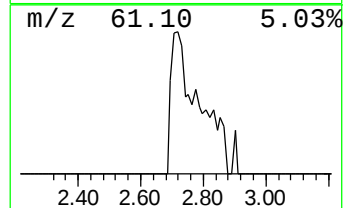
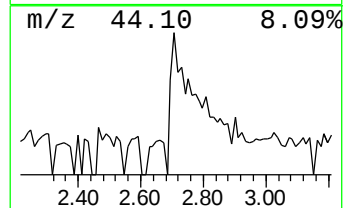
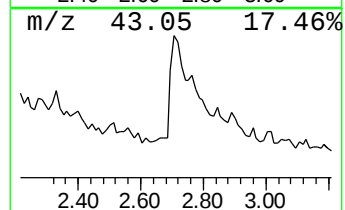
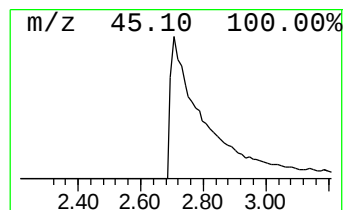
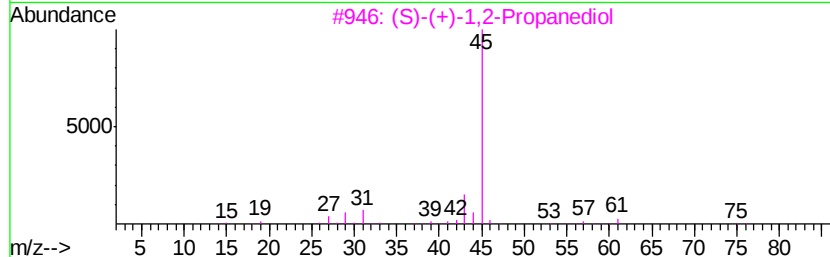
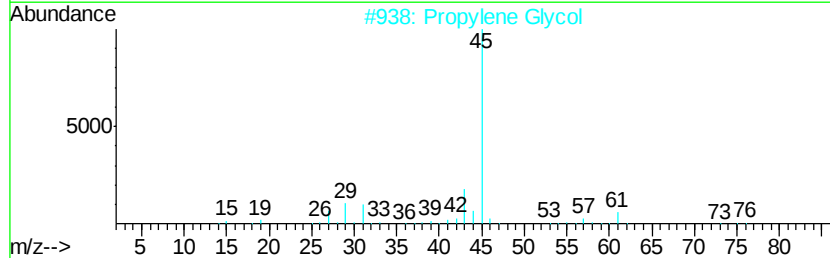
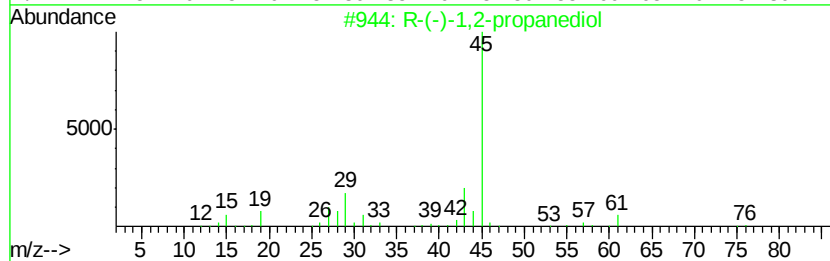
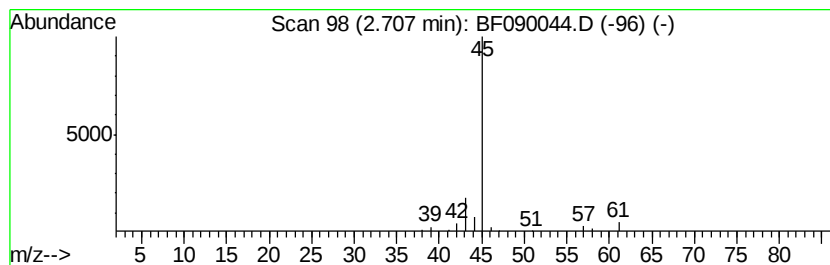
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 R-(-)-1,2-propanediol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	2.97 ng	154204	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	64
2		Propylene Glycol	76	C3H8O2	000057-55-6	64
3		(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	43
4		Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5		Formamide	45	CH3NO	000075-12-7	7



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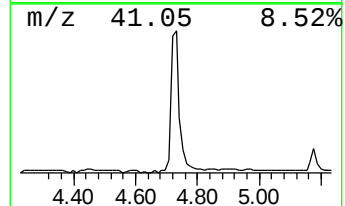
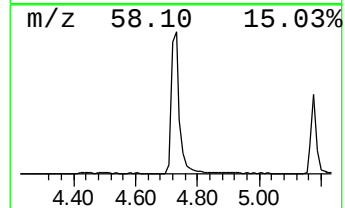
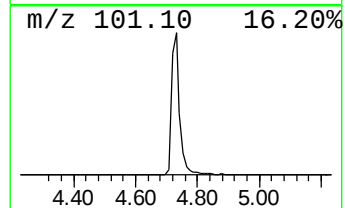
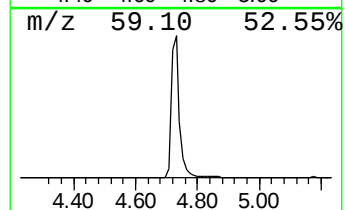
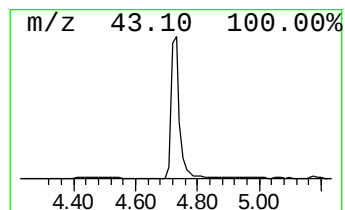
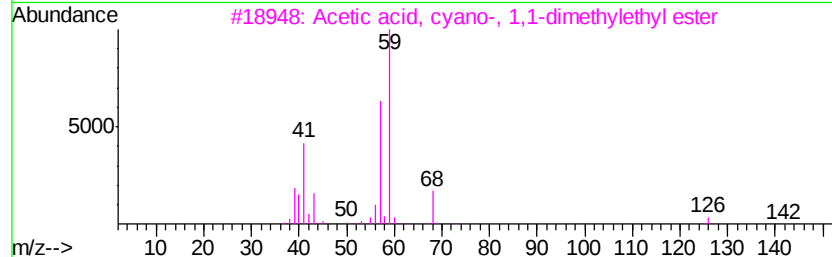
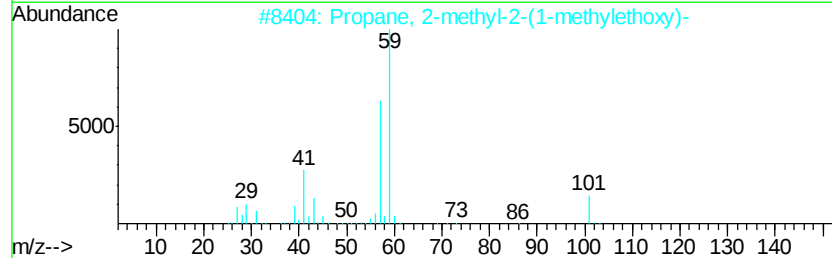
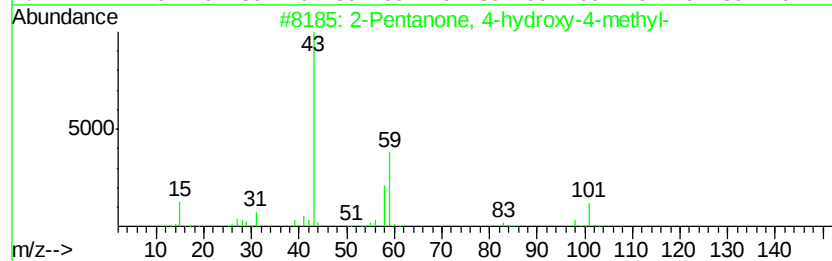
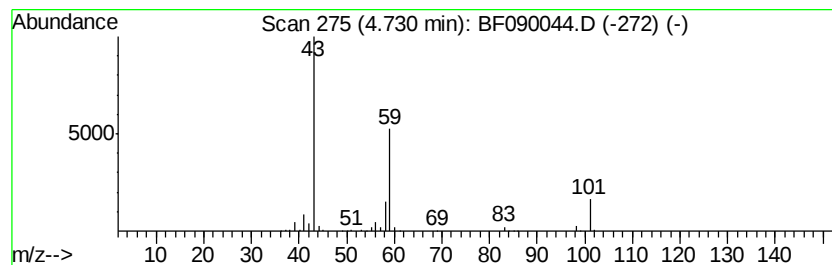
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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	21.92 ng	1137270	1,4-Dichlorobenzene-d4	6.60

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			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			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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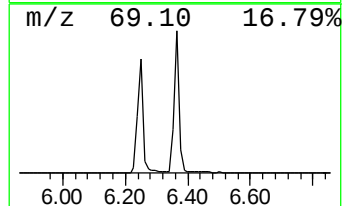
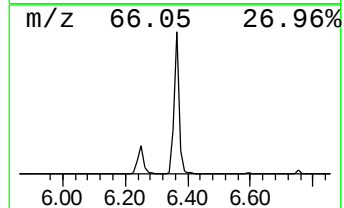
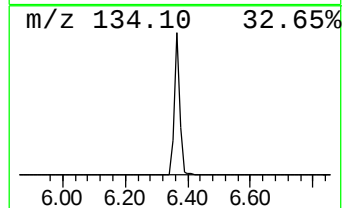
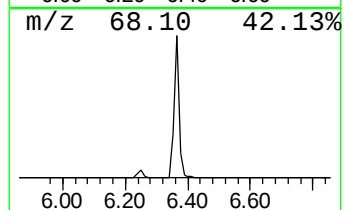
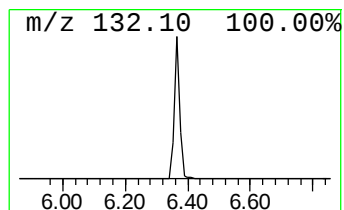
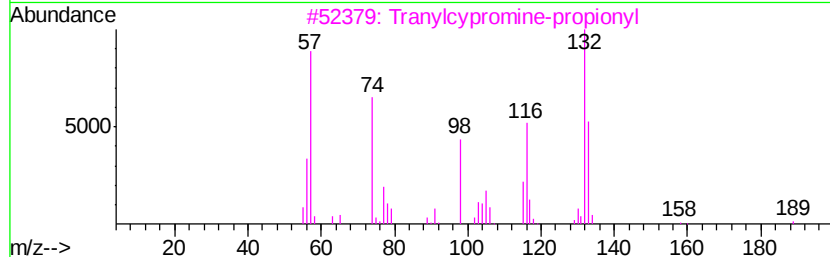
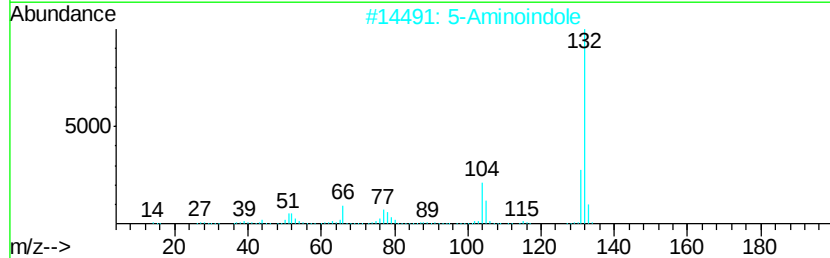
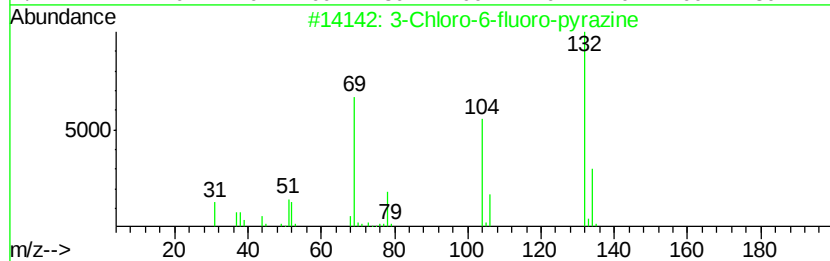
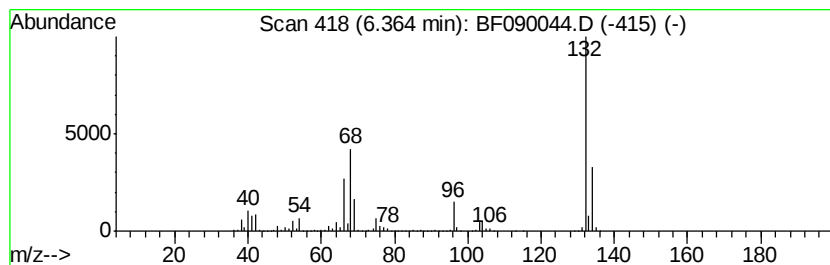
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TIC Library : C:\Database\NIST11.L
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Peak Number 4 unknown6.36 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	79.59 ng	4128820	1,4-Dichlorobenzene-d4	6.60

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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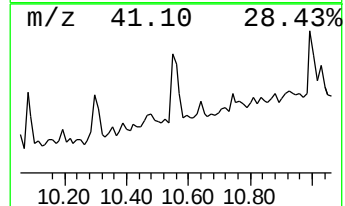
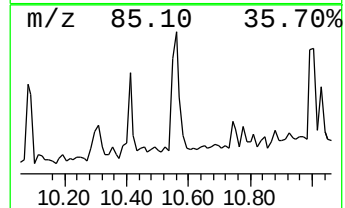
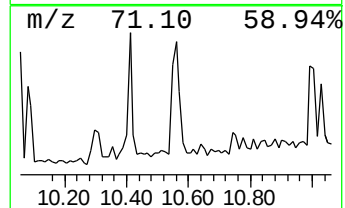
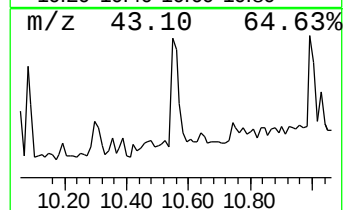
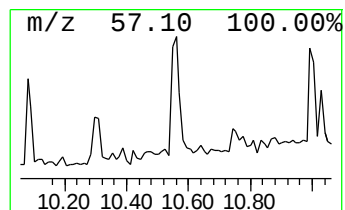
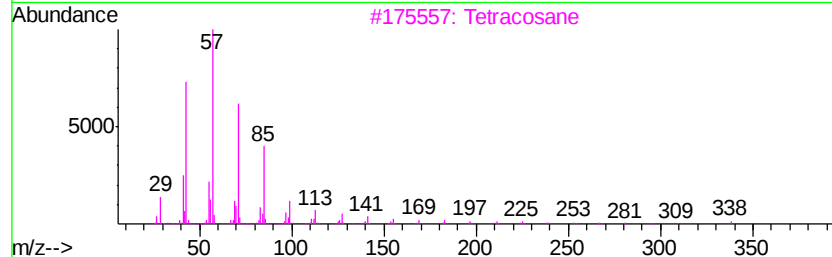
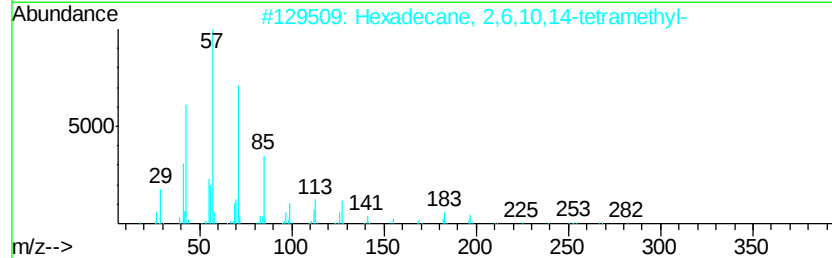
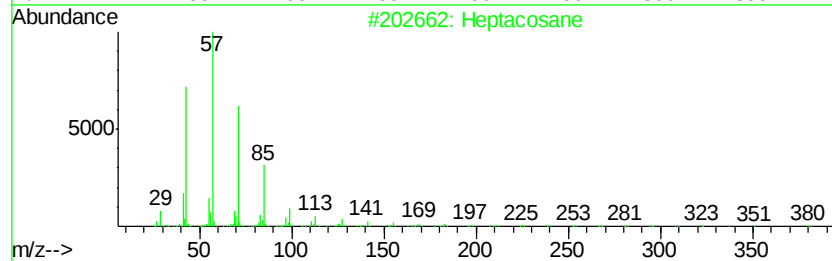
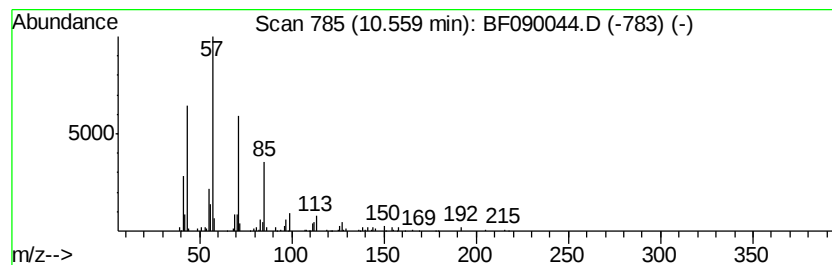
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Peak Number 6 Heptacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	2.11 ng	140691	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	90
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3		Tetracosane	338	C24H50	000646-31-1	86
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5		2,3-Dimethyldodecane	198	C14H30	006117-98-2	72



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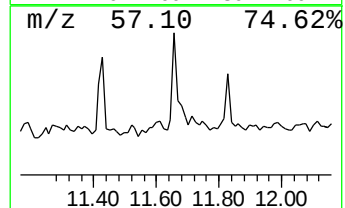
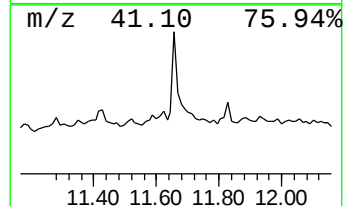
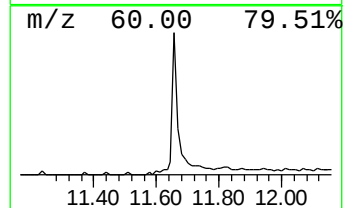
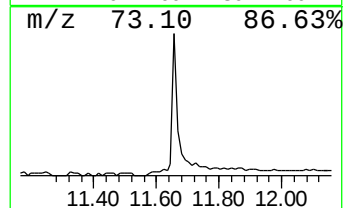
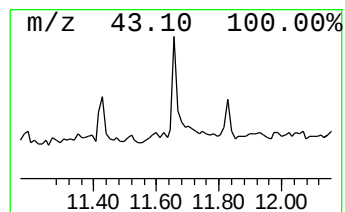
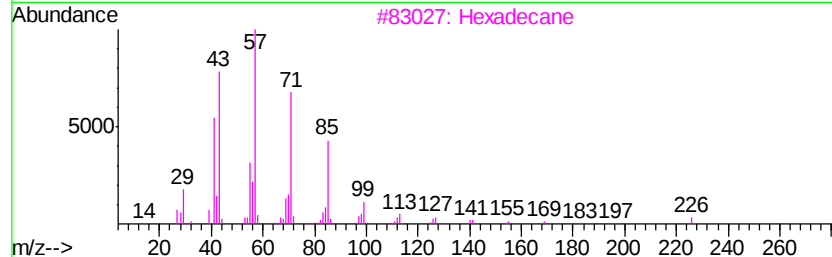
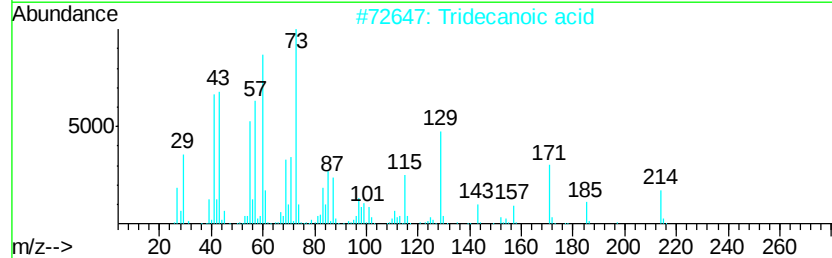
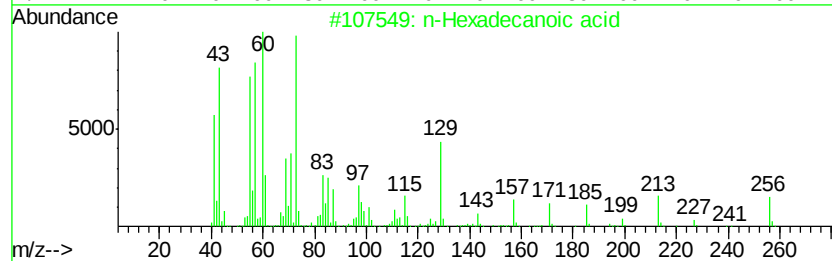
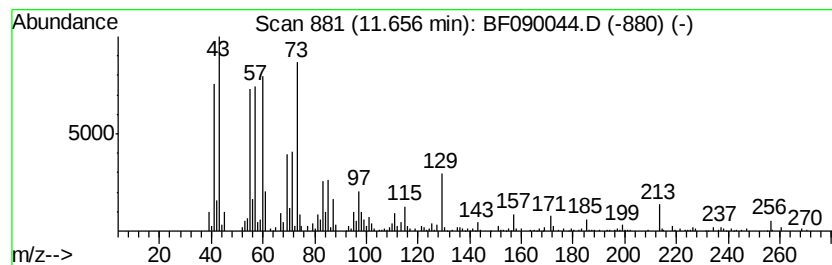
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Peak Number 7 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.66	2.98 ng	199110	Phenanthrene-d10		11.10		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	70
3			Hexadecane	226	C16H34	000544-76-3	56
4			Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	30
5			Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	30



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ALS Vial : 23 Sample Multiplier: 1

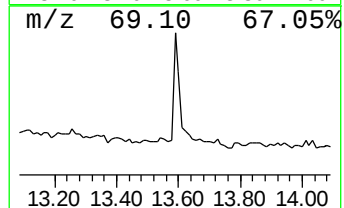
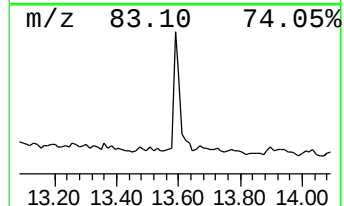
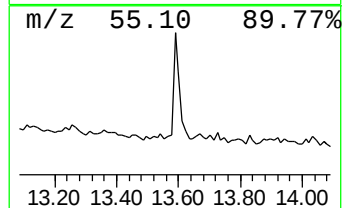
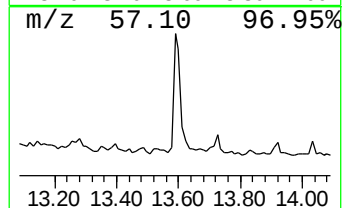
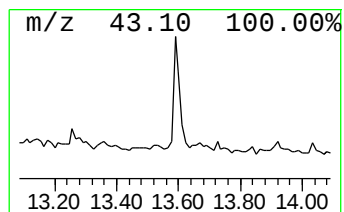
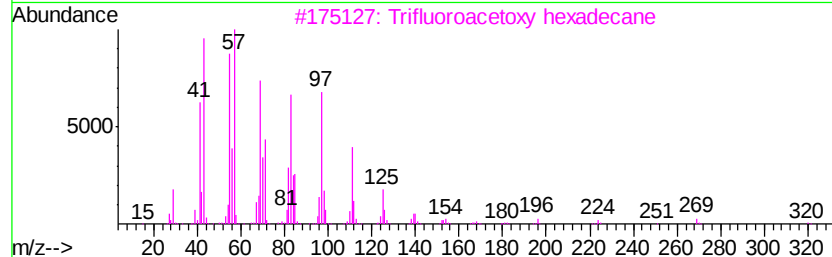
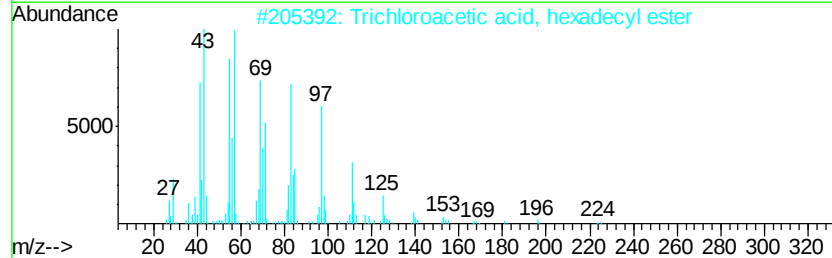
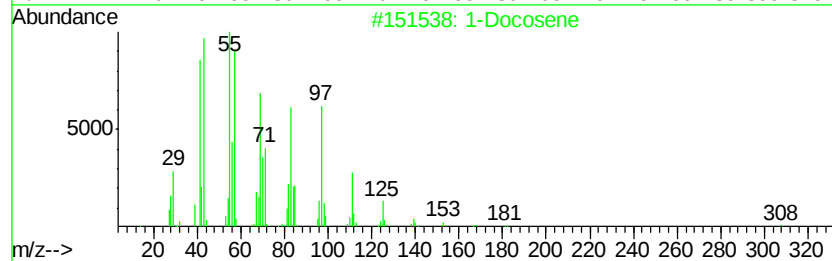
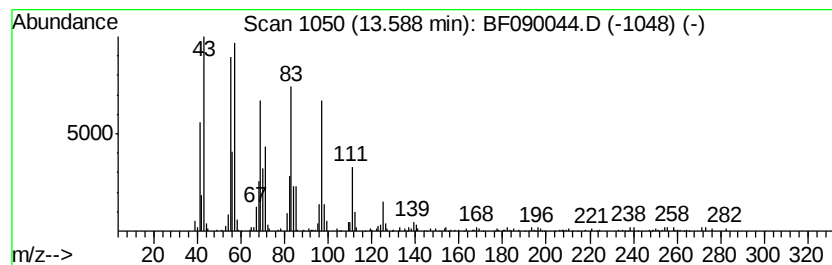
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ClientSampleId :
SS-SOILPILES-UST16

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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 1-Docosene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	4.08 ng	293603	Chrysene-d12	13.71
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Docosene		308 C22H44	001599-67-3 95
2	Trichloroacetic acid, hexadecyl ...		386 C18H33Cl3O2	074339-54-1 94
3	Trifluoroacetoxy hexadecane		338 C18H33F3O2	006222-03-3 94
4	1-Heneicosanol		312 C21H44O	015594-90-8 93
5	Heptafluorobutyric acid, pentade...		424 C19H31F7O2	959261-23-5 93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
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Acq On : 9 Sep 2016 00:33
Operator : UM/SJ
Sample : H4688-01
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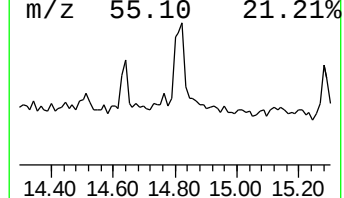
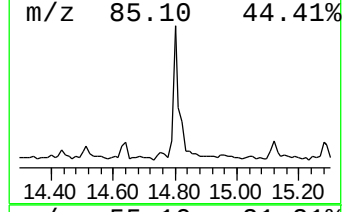
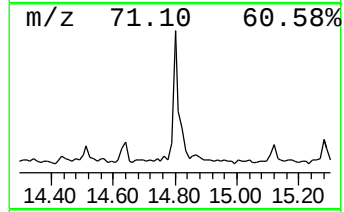
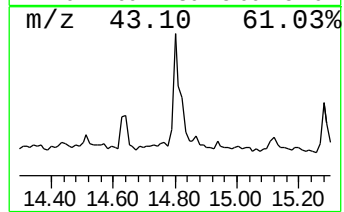
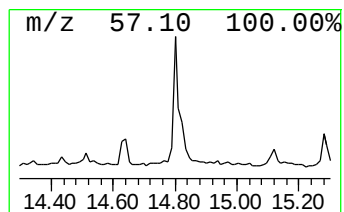
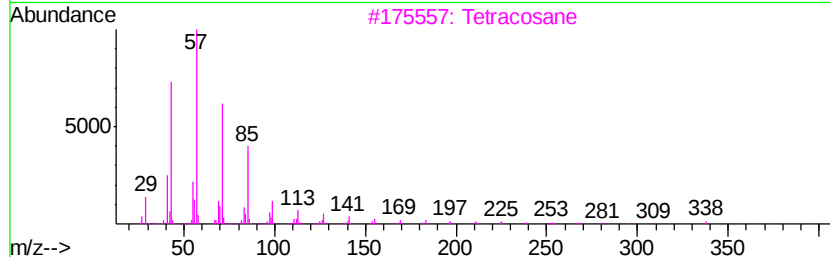
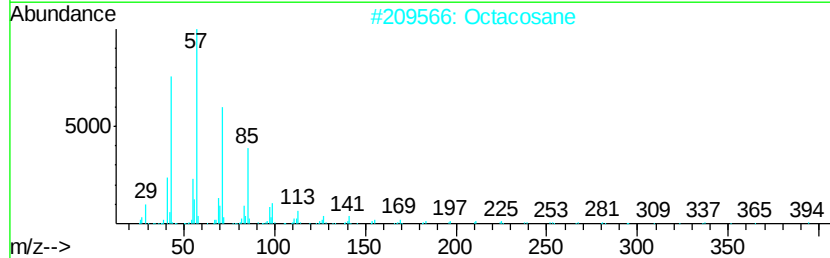
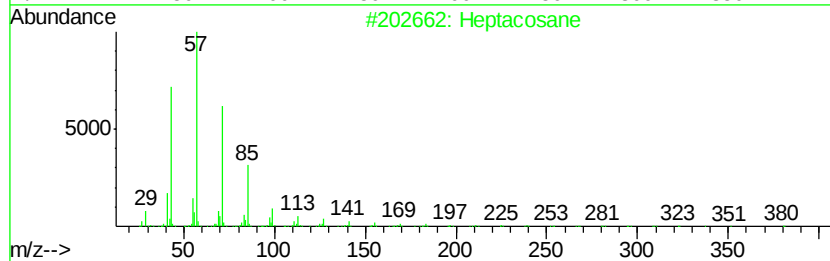
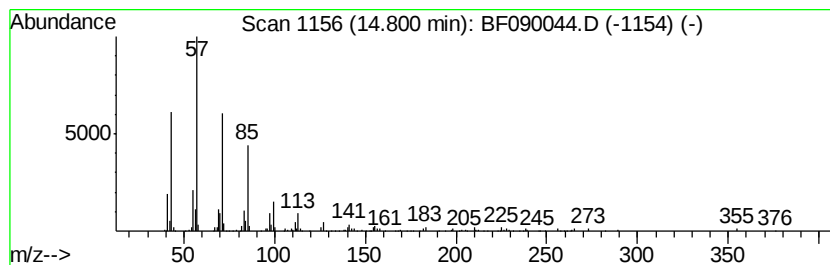
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	6.63 ng	287945	Perylene-d12	15.05
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptacosane	380	C27H56	000593-49-7 90
2	Octacosane	394	C28H58	000630-02-4 90
3	Tetracosane	338	C24H50	000646-31-1 87
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8 87
5	Hentriacontane	437	C31H64	000630-04-6 86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
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Acq On : 9 Sep 2016 00:33
Operator : UM/SJ
Sample : H4688-01
Misc :
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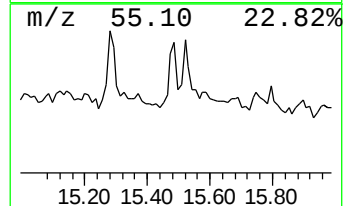
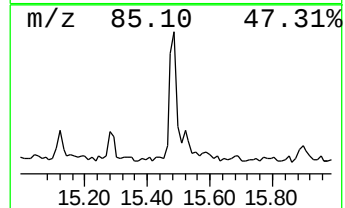
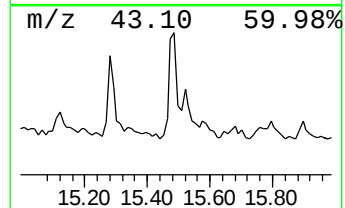
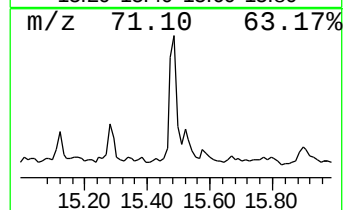
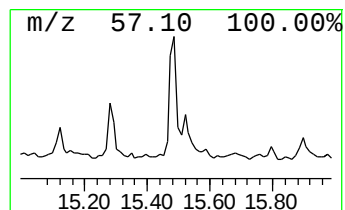
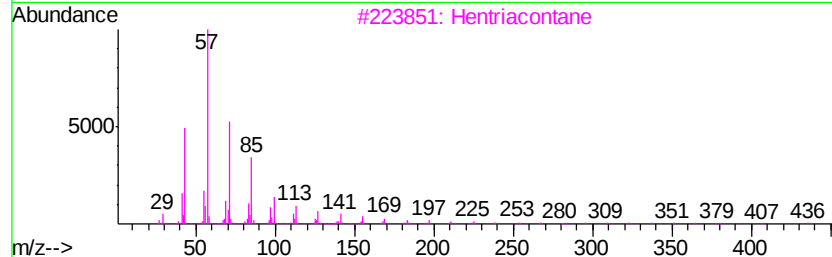
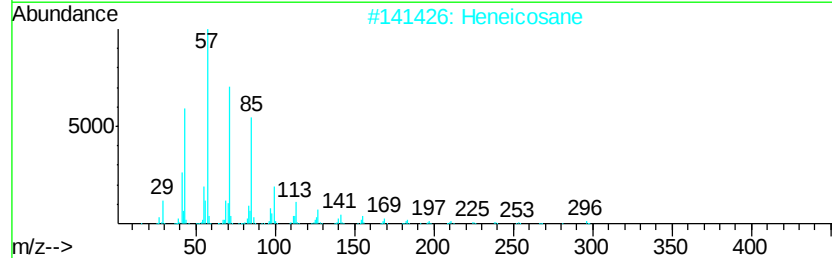
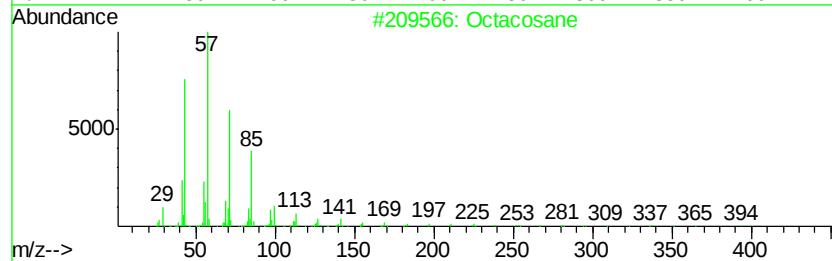
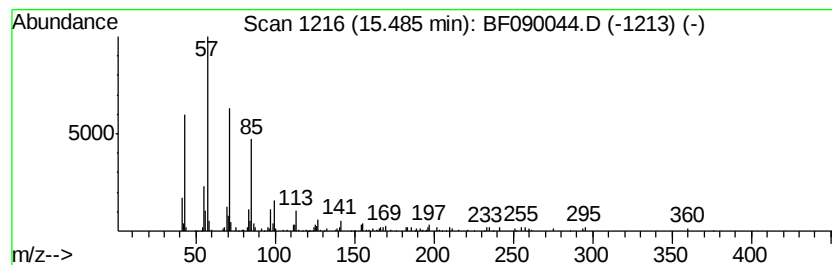
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	3.13 ng	136077	Perylene-d12	15.05
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Octacosane	394 C28H58	000630-02-4 90
2		Heneicosane	296 C21H44	000629-94-7 90
3		Hentriacontane	437 C31H64	000630-04-6 87
4		Tetracosane	338 C24H50	000646-31-1 87
5		Tridecanol, 2-ethyl-2-methyl-	242 C16H34O	1000115-66-1 86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090044.D
Acq On : 9 Sep 2016 00:33
Operator : UM/SJ
Sample : H4688-01
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Instrument :
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ClientSampleId :
SS-SOILPILES-UST16

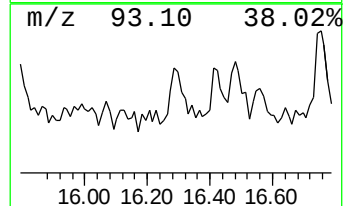
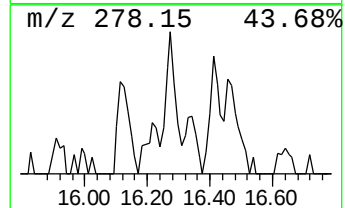
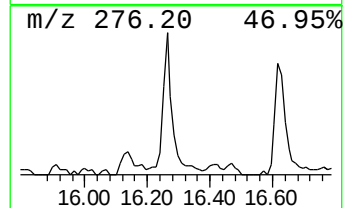
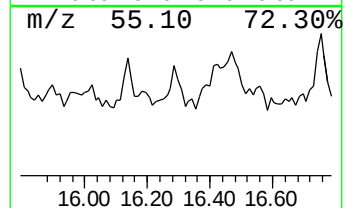
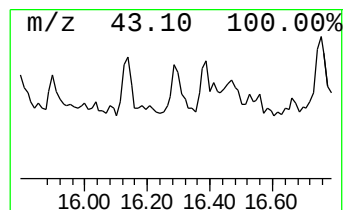
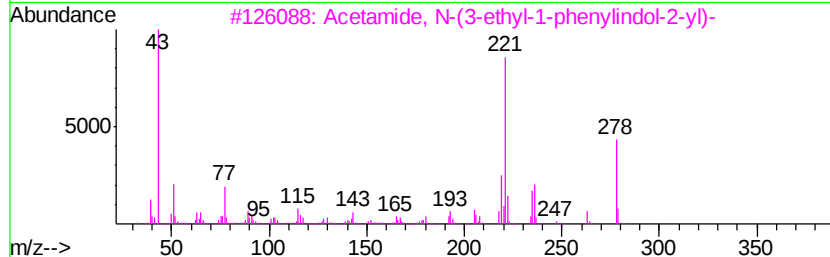
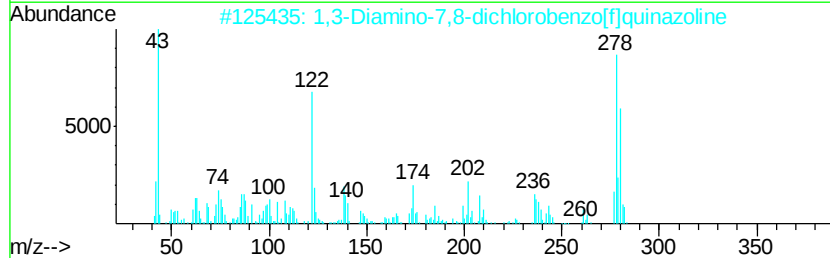
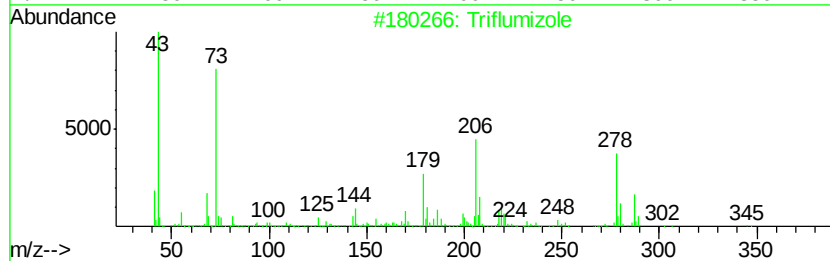
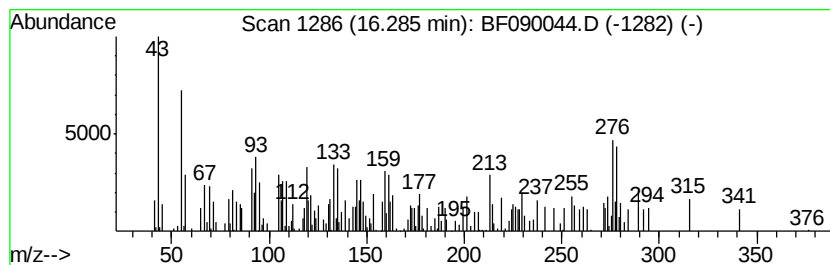
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown16.29 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	4.24 ng	184378	Perylene-d12	15.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triflumizole	345	C15H15ClF3N3O	068694-11-1	10
2		1,3-Diamino-7,8-dichlorobenzo[f]...	278	C12H8Cl2N4	037521-57-6	10
3		Acetamide, N-(3-ethyl-1-phenylin...	278	C18H18N2O	138349-53-8	10
4		N-(3-Methyl-2,7-dioxo-2,7-dihydr...	318	C19H14N2O3	1000294-39-3	10
5		Ethanethioic acid, S-(pentachlor...	322	C8H3Cl5OS	080304-12-7	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090044.D
Acq On : 9 Sep 2016 00:33
Operator : UM/SJ
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Misc :
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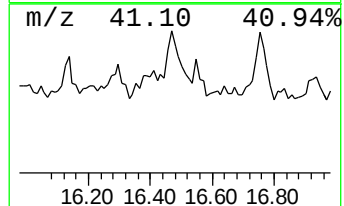
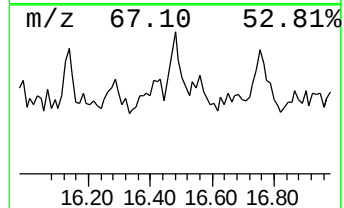
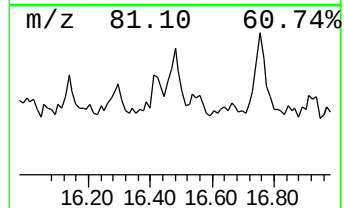
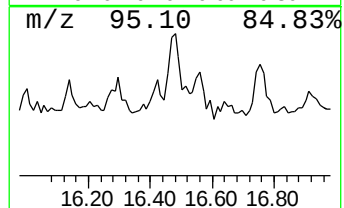
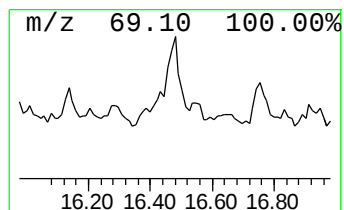
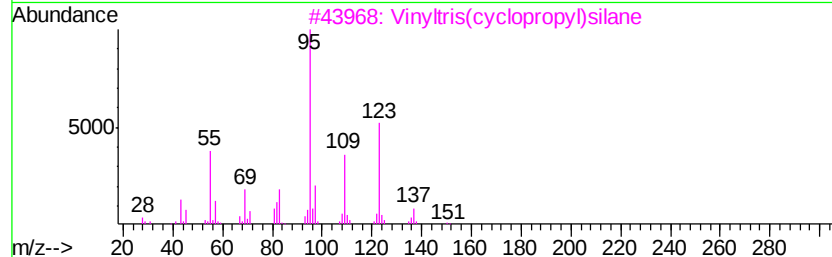
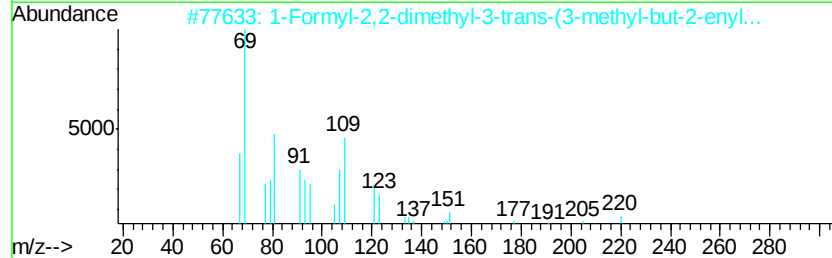
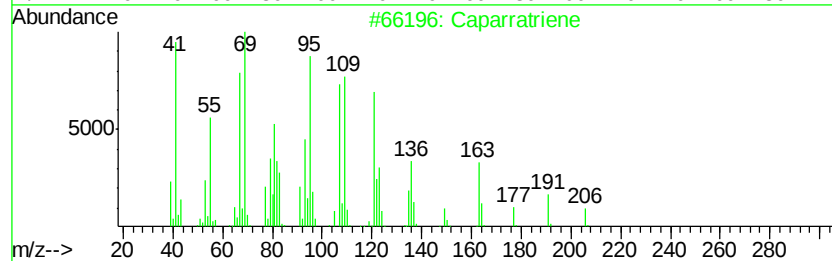
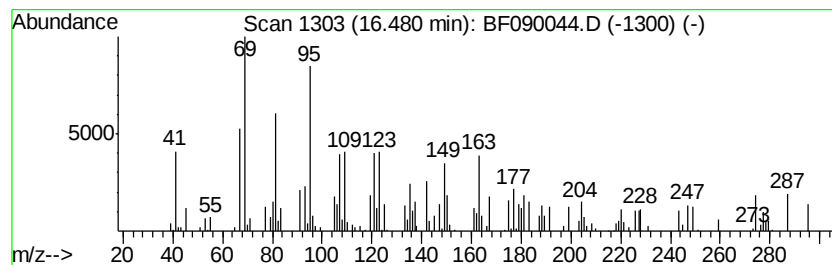
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown16.48 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	2.98 ng	129610	Perylene-d12	15.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Caparratriene	206	C15H26	1000374-08-7	40
2		1-Formyl-2,2-dimethyl-3-trans-(3...	220	C15H24O	1000144-09-7	38
3		Vinyltris(cyclopropyl)silane	178	C11H18Si	1000109-97-3	25
4		4-Methylimidazole-5-butyric acid...	250	C10H13F3N2O2	1000129-15-9	22
5		1,3,3-Trimethyl-2-hydroxymethyl-...	222	C15H26O	1000144-10-7	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090044.D
Acq On : 9 Sep 2016 00:33
Operator : UM/SJ
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SS-SOILPILES-UST16

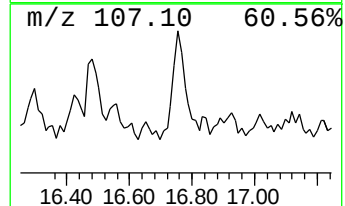
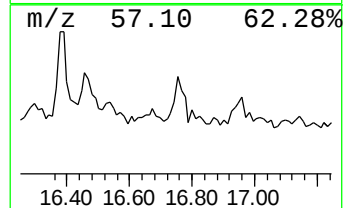
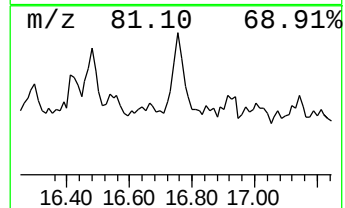
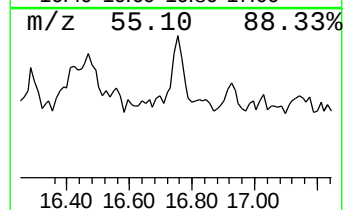
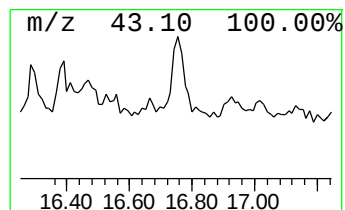
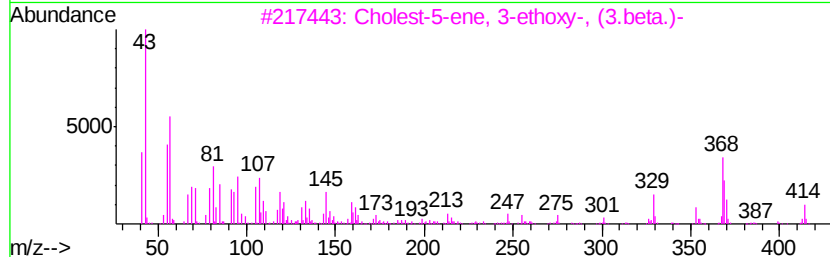
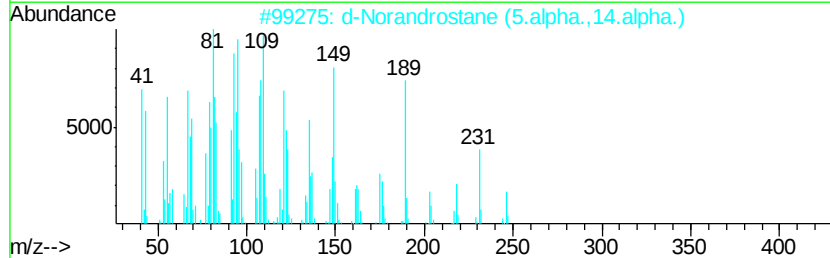
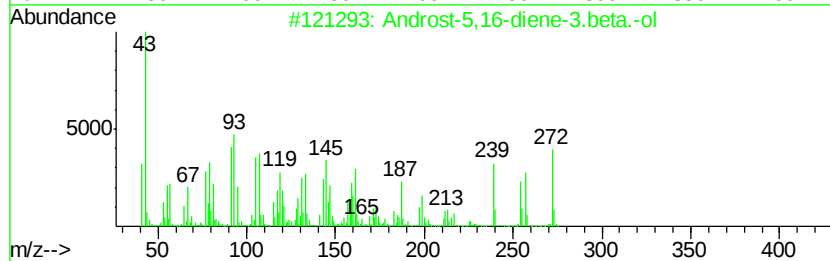
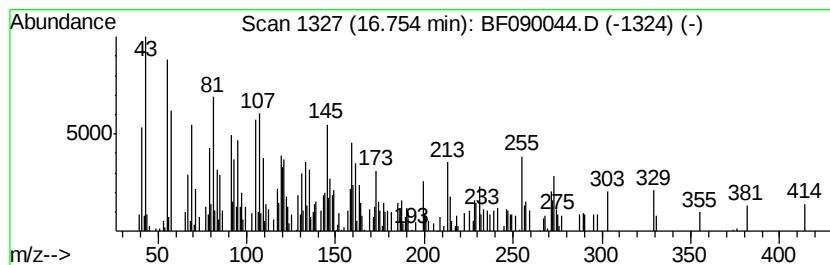
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown16.75 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	5.39 ng	234039	Perylene-d12	15.05

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Androst-5,16-diene-3.beta.-ol	272	C19H28O	001224-94-8	43
2			d-Norandrostane (5.alpha.,14.alp...	246	C18H30	1000281-13-8	42
3			Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	38
4			Tetrahydroaraucarolone	338	C20H34O4	1000042-69-7	25
5			Kauren-18-ol, acetate, (4.beta.)-	330	C22H34O2	072150-74-4	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090044.D
Acq On : 9 Sep 2016 00:33
Operator : UM/SJ
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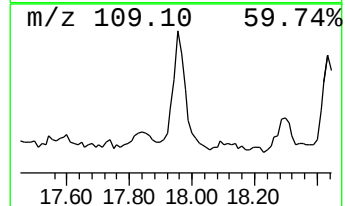
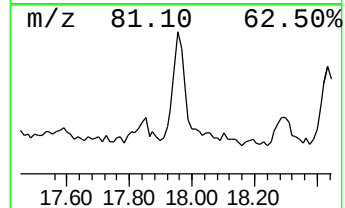
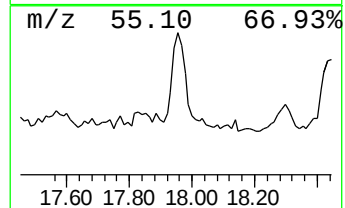
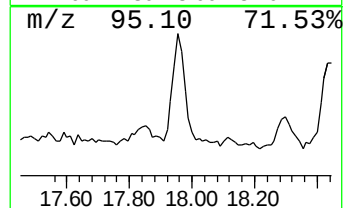
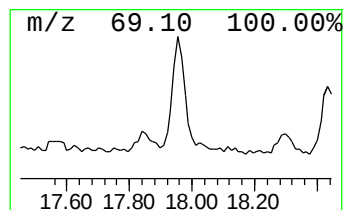
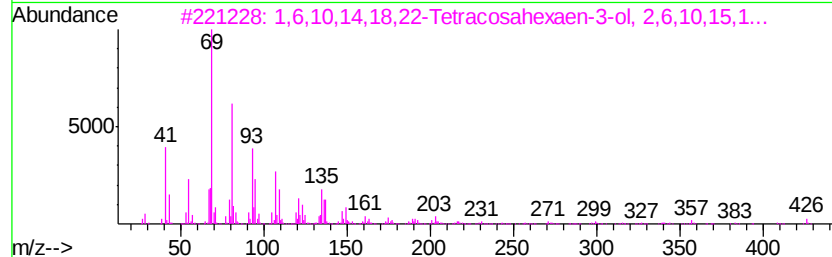
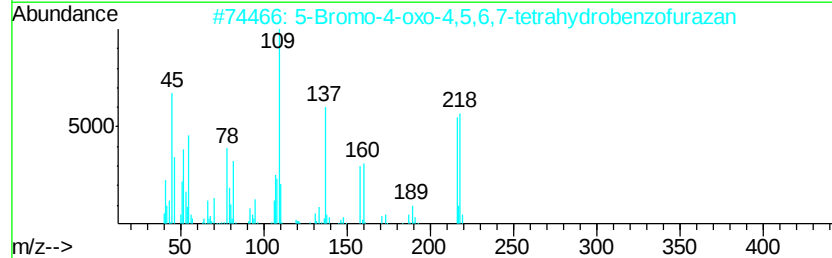
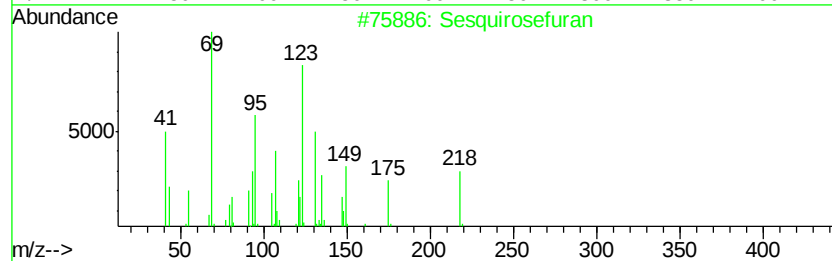
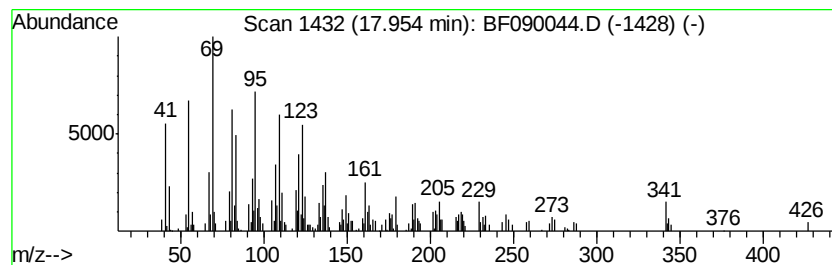
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Sesquirosefuran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	10.47 ng	454997	Perylene-d12	15.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sesquirosefuran	218	C15H22O	039007-93-7	60
2		5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	59
3		1,6,10,14,18,22-Tetracosahexaen-...	426	C30H50O	054159-46-5	46
4		Squalene	410	C30H50	000111-02-4	43
5		6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090044.D
Acq On : 9 Sep 2016 00:33
Operator : UM/SJ
Sample : H4688-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-SOILPILES-UST16

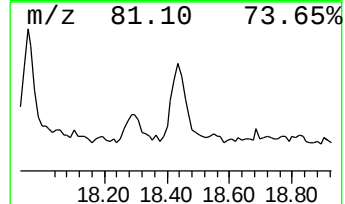
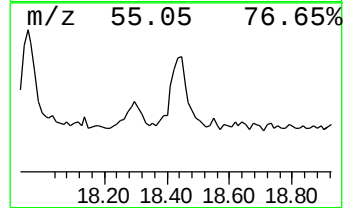
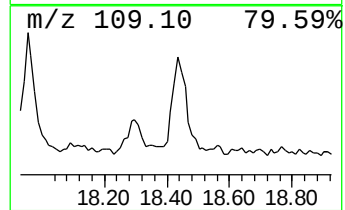
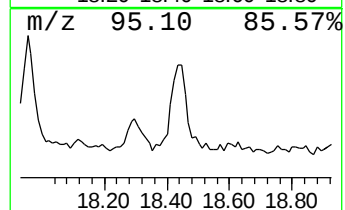
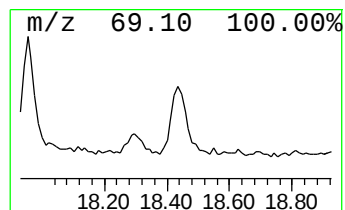
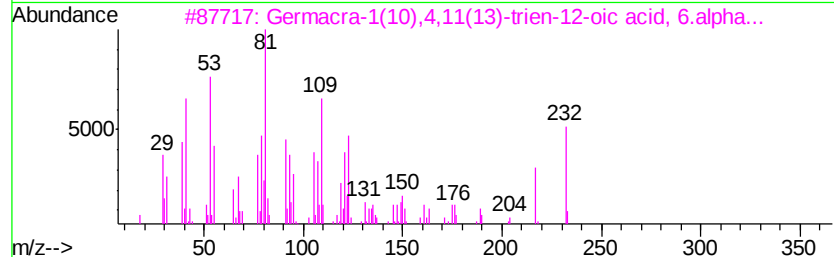
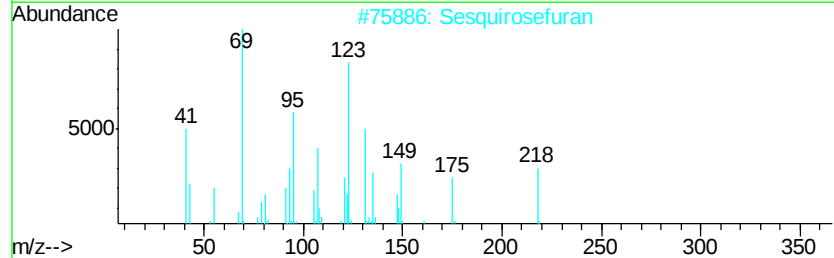
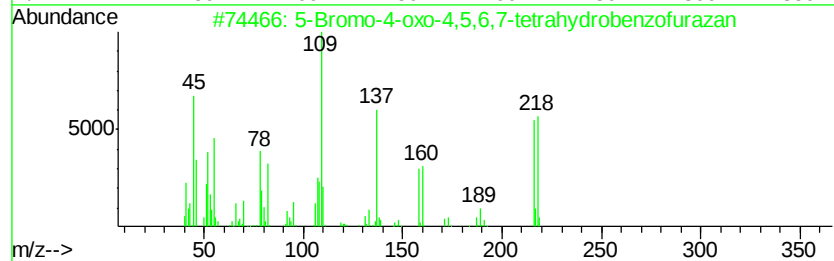
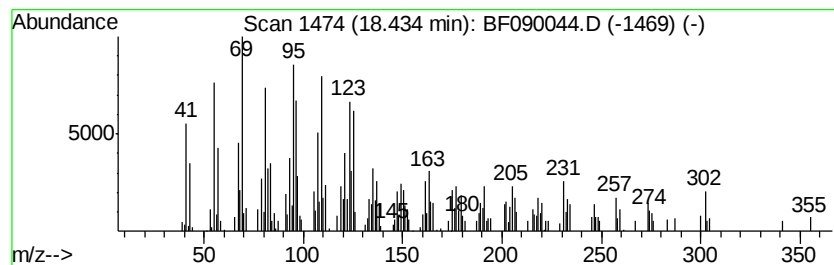
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	11.30 ng	490917	Perylene-d12	15.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	59
2		Sesquirosefuran	218	C15H22O	039007-93-7	42
3		Germacra-1(10),4,11(13)-trien-12...	232	C15H20O2	000553-21-9	41
4		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	38
5		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090044.D
 Acq On : 9 Sep 2016 00:33
 Operator : UM/SJ
 Sample : H4688-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-SOILPILES-UST16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.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
R-(-)-1,2-propane...	2.71	3.0	ng	154204	1	6.60	1037480	20.0
2-Pentanone, 4-hy...	4.73	21.9	ng	1137270	1	6.60	1037480	20.0
unknown6.36	6.36	79.6	ng	4128820	1	6.60	1037480	20.0
Heptacosane	10.56	2.1	ng	140691	4	11.10	1336170	20.0
n-Hexadecanoic acid	11.66	3.0	ng	199110	4	11.10	1336170	20.0
1-Docosene	13.59	4.1	ng	293603	5	13.71	1439900	20.0
Octacosane	14.80	6.6	ng	287945	6	15.05	869160	20.0
Heneicosane	15.49	3.1	ng	136077	6	15.05	869160	20.0
unknown16.29	16.29	4.2	ng	184378	6	15.05	869160	20.0
unknown16.48	16.48	3.0	ng	129610	6	15.05	869160	20.0
unknown16.75	16.75	5.4	ng	234039	6	15.05	869160	20.0
Sesquirosefuran	17.95	10.5	ng	454997	6	15.05	869160	20.0
5-Bromo-4-oxo-4,5...	18.43	11.3	ng	490917	6	15.05	869160	20.0