

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060415\
Data File : BG017464.D
Acq On : 5 Jun 2015 6:33
Operator : TP/IZ
Sample : G2509-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EFFWASTEWATER

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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	6.548	633	657	660	rBV2	728250	3753659	1.52%	0.524%
2	7.846	862	878	890	rVV	5247586	11756326	4.75%	1.640%
3	9.533	1137	1165	1167	rVB2	740056	4106926	1.66%	0.573%
4	14.809	2049	2063	2068	rBV	1487273	3084183	1.25%	0.430%
5	16.977	2426	2432	2437	rBV	5221932	6553906	2.65%	0.914%
6	17.829	2572	2577	2581	rBV	1709634	3543188	1.43%	0.494%
7	18.046	2601	2614	2615	rBV	2878243	7893585	3.19%	1.101%
8	18.452	2667	2683	2684	rBV	22598243	88854249	35.92%	12.398%
9	19.691	2889	2894	2898	rBV3	9135958	20915187	8.46%	2.918%
10	20.191	2977	2979	2986	rVB3	14148089	23195714	9.38%	3.237%
11	20.361	2992	3008	3015	rBV10	28446077	178375253	72.12%	24.889%
12	20.496	3027	3031	3034	rVB	10073660	11201000	4.53%	1.563%
13	20.578	3035	3045	3066	rVV9	28423312	247345061	100.00%	34.513%
14	20.731	3069	3071	3074	rVB	12875228	7672573	3.10%	1.071%
15	20.825	3084	3087	3090	rBV	2273548	2942688	1.19%	0.411%
16	20.919	3097	3103	3106	rBV	7610639	8342906	3.37%	1.164%
17	21.013	3116	3119	3126	rVB4	2070993	2832311	1.15%	0.395%
18	21.225	3151	3155	3164	rBV	4209774	6981217	2.82%	0.974%
19	21.507	3197	3203	3207	rBV	13803178	15591991	6.30%	2.176%
20	21.806	3247	3254	3259	rBV	8160600	16578204	6.70%	2.313%
21	21.853	3259	3262	3270	rVB	6360799	7560217	3.06%	1.055%
22	22.047	3288	3295	3307	rVB	11102131	16786869	6.79%	2.342%
23	23.440	3524	3532	3539	rVB	6138064	11275001	4.56%	1.573%
24	25.437	3861	3872	3885	rVB	2611905	6786281	2.74%	0.947%
25	28.504	4383	4394	4410	rVB	683680	2750866	1.11%	0.384%

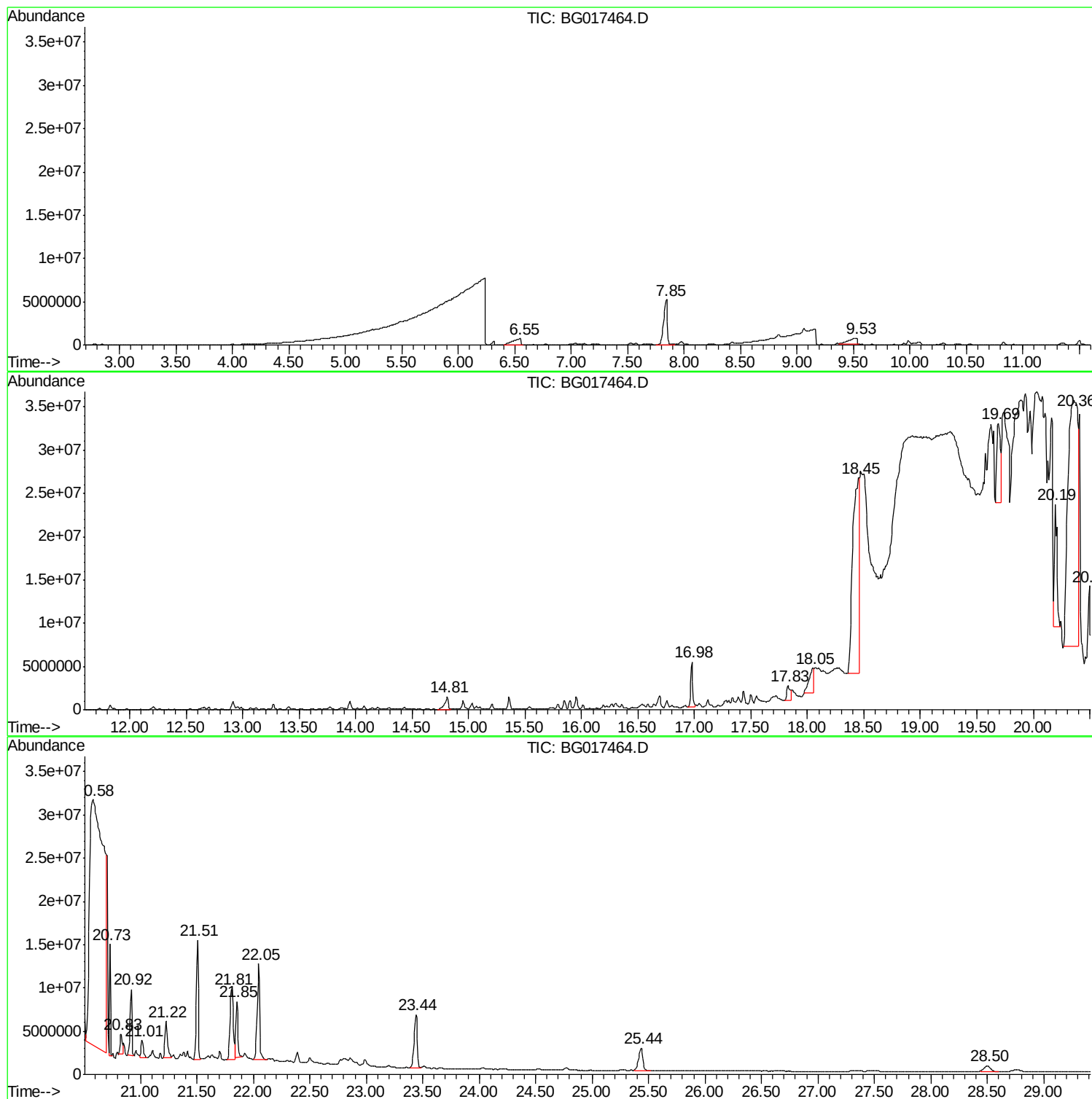
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060415\
Data File : BG017464.D
Acq On : 5 Jun 2015 6:33
Operator : TP/IZ
Sample : G2509-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EFFWASTEWATER

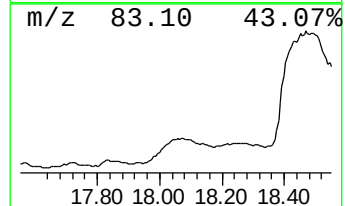
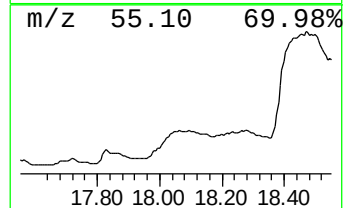
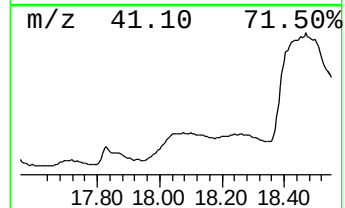
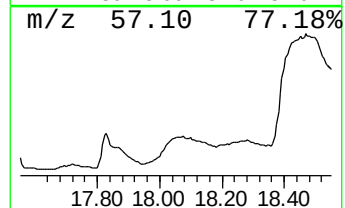
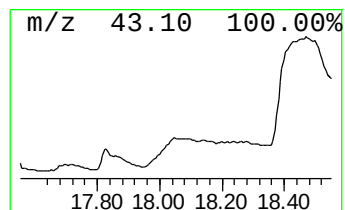
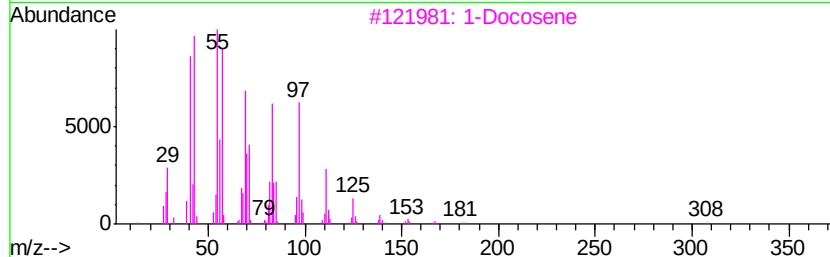
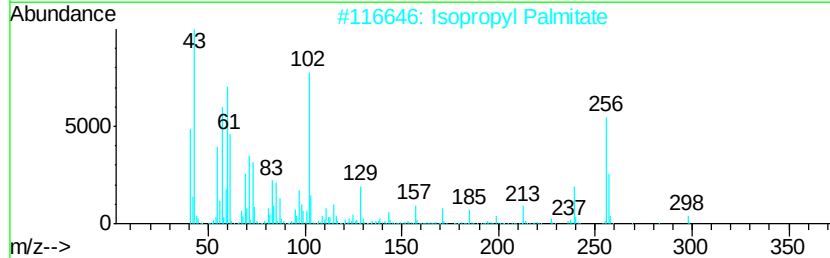
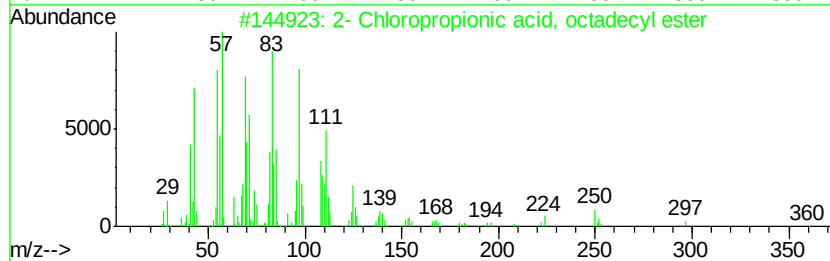
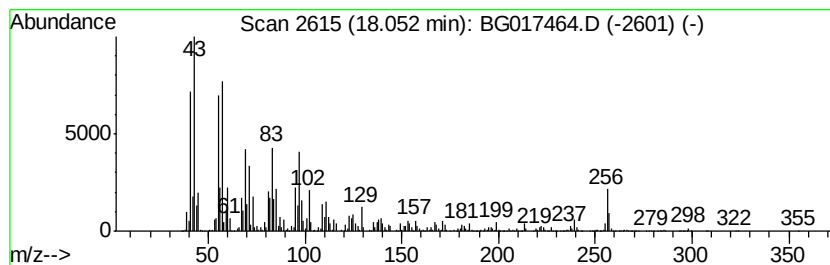
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown18.05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	24.09 ng	7893590	Phenanthrene-d10	17.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-	Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	43	
2	Isopropyl	Palmitate	298	C19H38O2	000142-91-6	42	
3	1-	Docosene	308	C22H44	001599-67-3	38	
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	38		
5	11-	Tricosene	322	C23H46	052078-56-5	38	



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Instrument :
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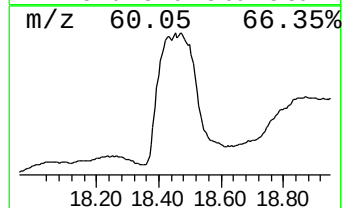
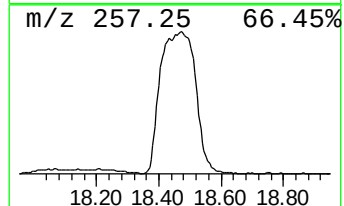
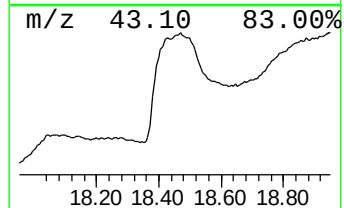
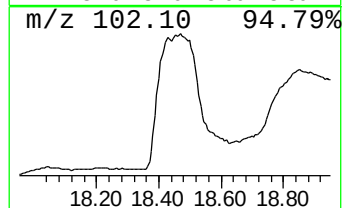
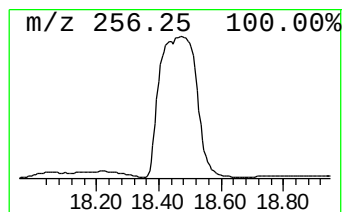
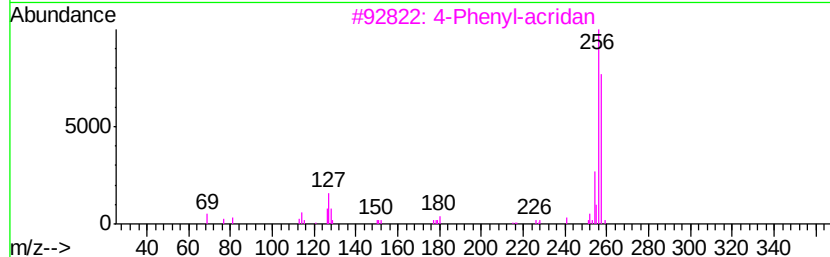
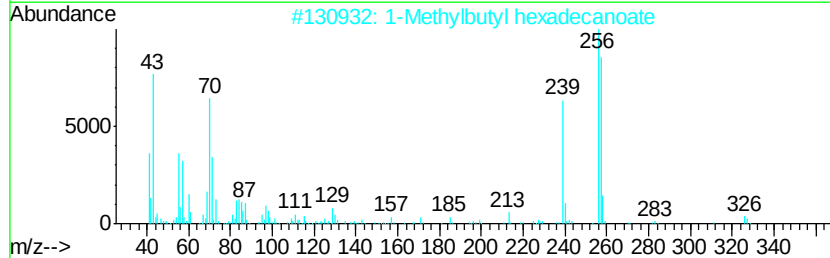
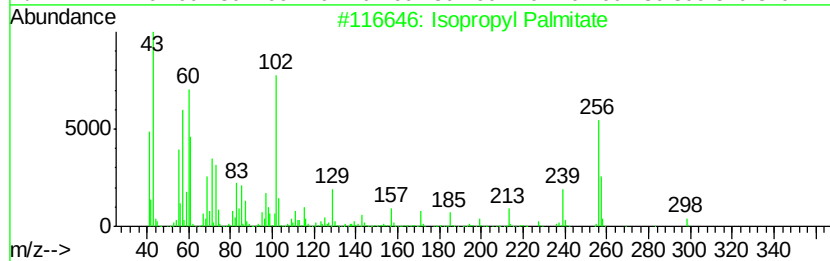
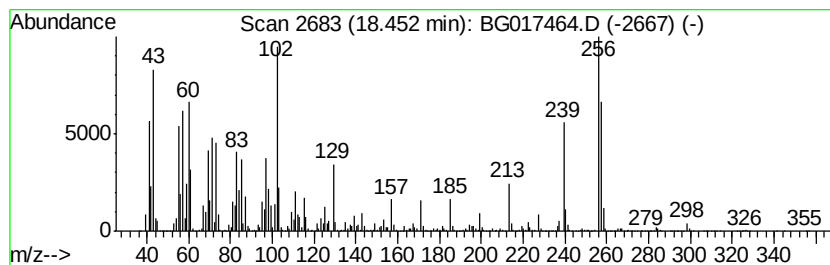
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown18.45 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	271.15 ng	88854200	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropyl Palmitate	298	C19H38O2	000142-91-6	47
2		1-Methylbutyl hexadecanoate	326	C21H42O2	055195-08-9	43
3		4-Phenyl-acridan	257	C19H15N	055751-82-1	22
4		3-[(2-Methyl-5-nitro-phenyl)imino-...]	256	C14H12N2O3	1000297-24-5	15
5		2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2	14



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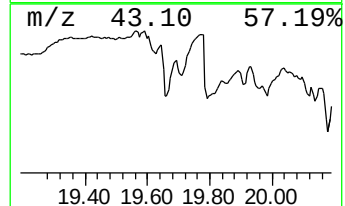
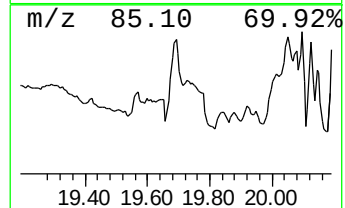
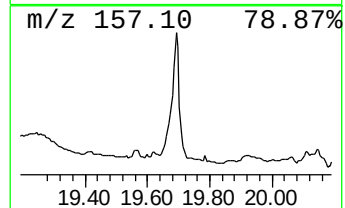
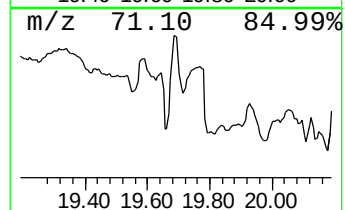
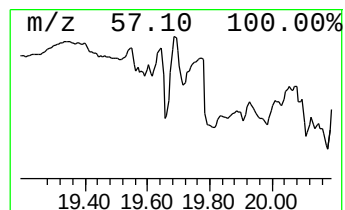
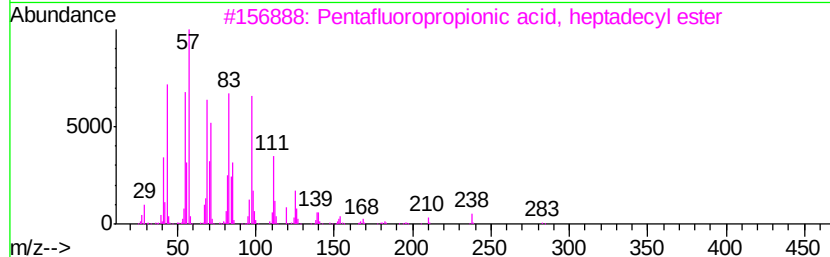
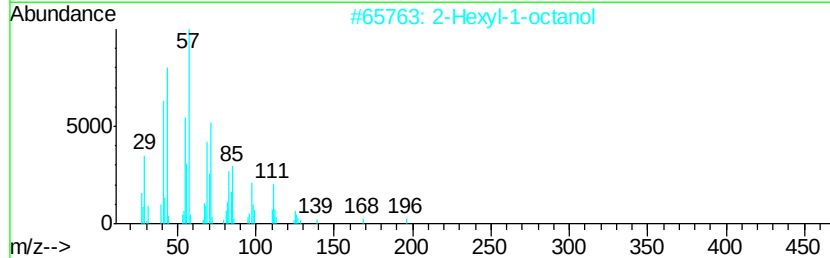
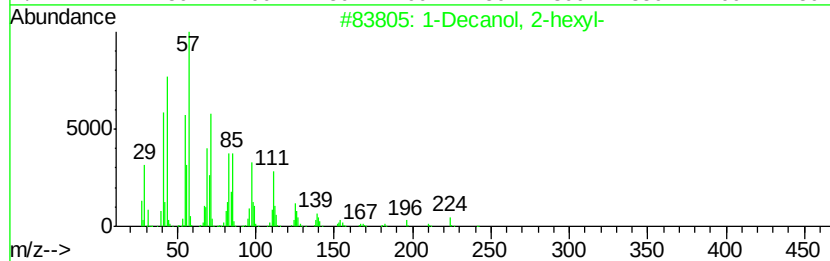
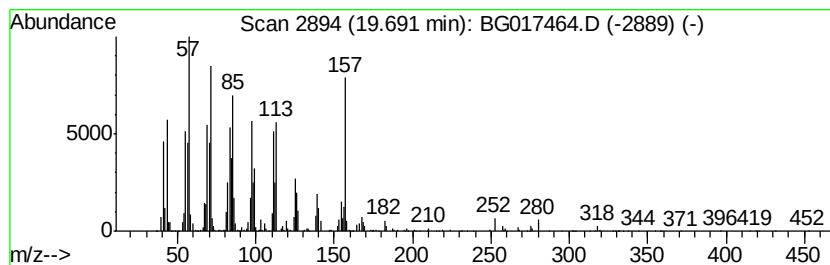
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown19.69 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	59.92 ng	20915200	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	46
2		2-Hexyl-1-octanol	214	C14H30O	019780-79-1	46
3		Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	43
4		3-Methoxy-thiophene-2-carboxamide	157	C6H7NO2S	078031-17-1	41
5		1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	35



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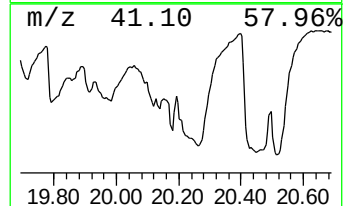
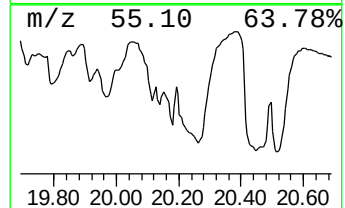
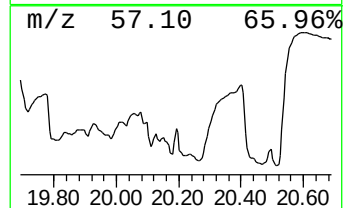
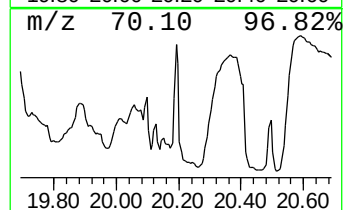
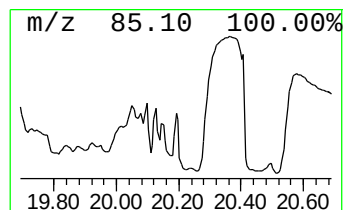
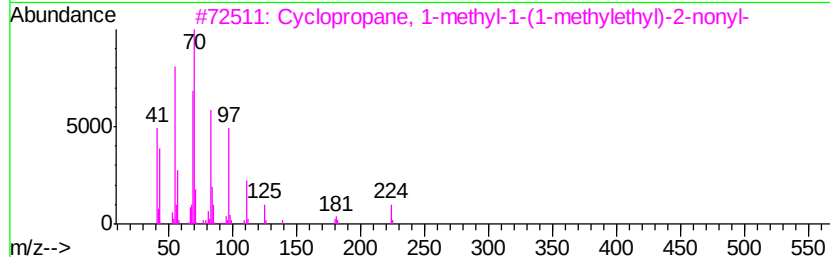
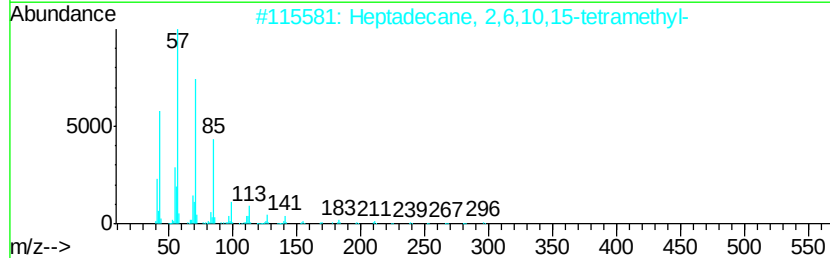
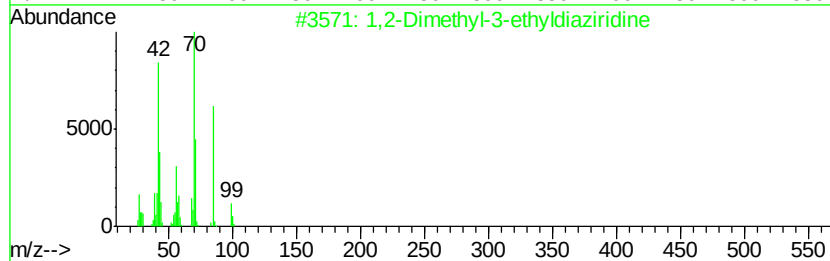
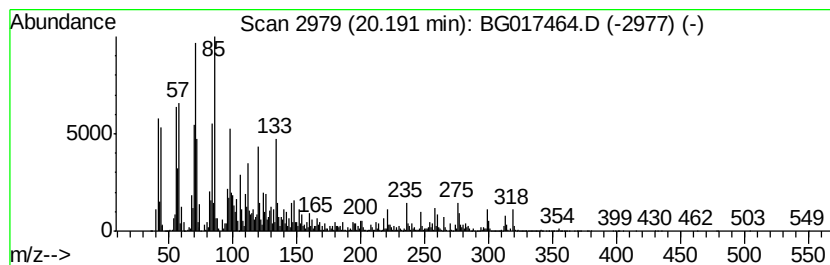
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown20.19 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	66.45 ng	23195700	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Dimethyl-3-ethyl-diaziridine	100	C5H12N2	211568-96-6	41
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	25
3		Cyclopropane, 1-methyl-1-(1-methyl-2-nonyl)-	224	C16H32	041977-40-6	25
4		Cyclooctane, methyl-	126	C9H18	001502-38-1	25
5		2-Hydroxy-1,1,10-trimethyl-6,9-ethylidene-10,11-dihydro-5H-benzo[5,6]cyclohepta[1,2-b]pyridine	226	C13H22O3	108511-85-9	18



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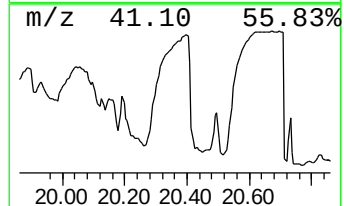
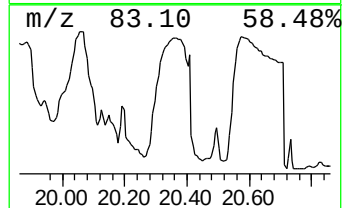
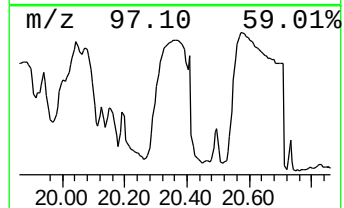
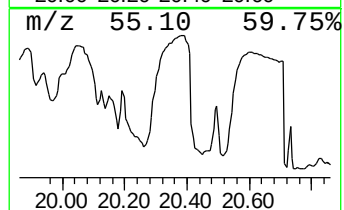
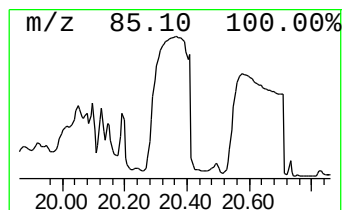
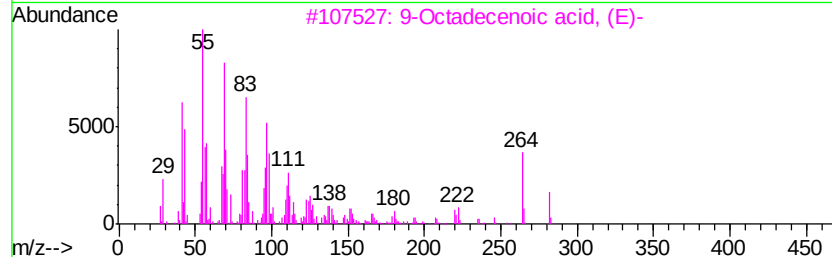
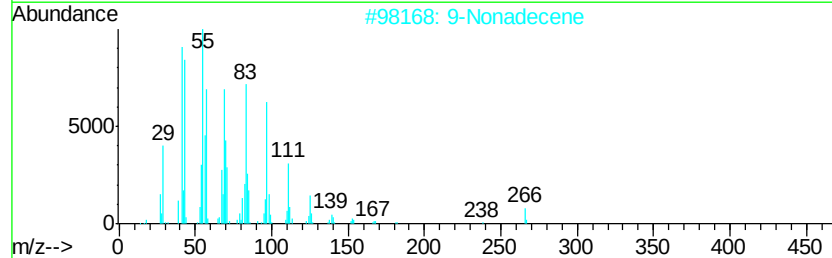
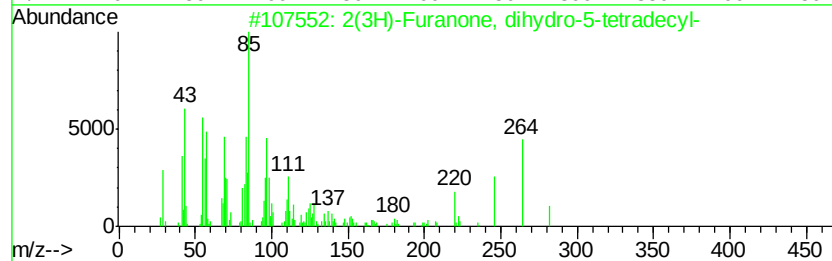
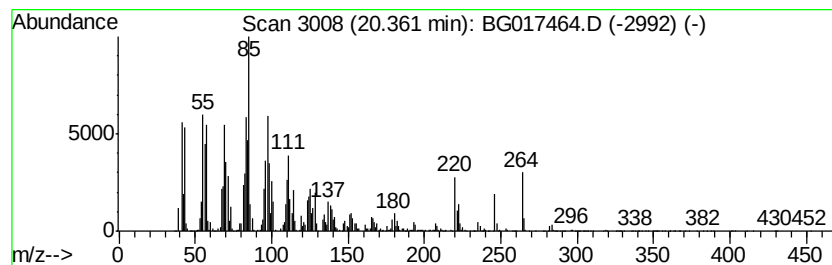
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2(3H)-Furanone, dihydro-5-t... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	511.02 ng	178375000	Chrysene-d12	21.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2(3H)-Furanone, dihydro-5-tetrad...	282	C18H34O2	000502-26-1	95
2		9-Nonadecene	266	C19H38	031035-07-1	72
3		9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	46
4		1-Nonadecene	266	C19H38	018435-45-5	43
5		2-Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	38



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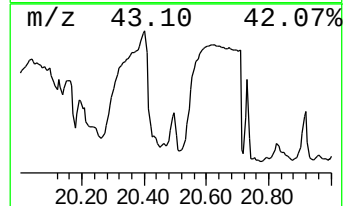
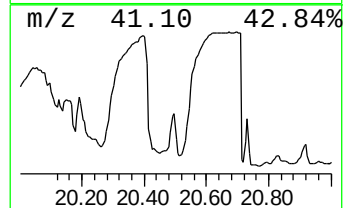
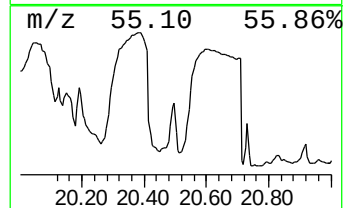
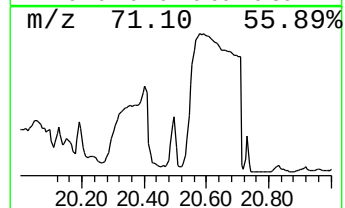
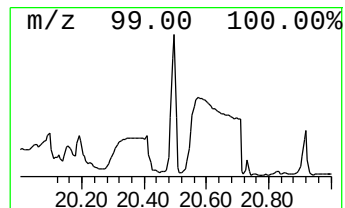
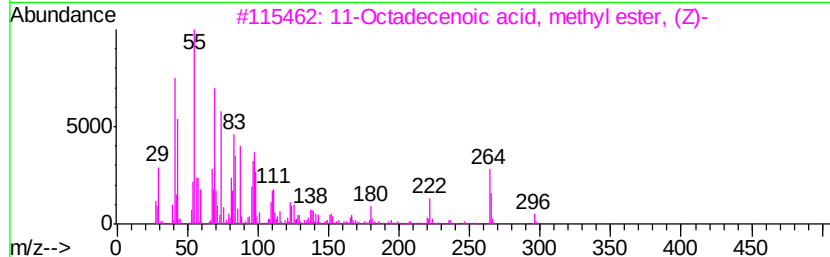
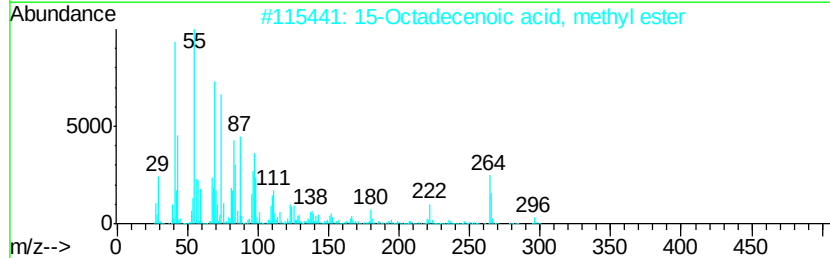
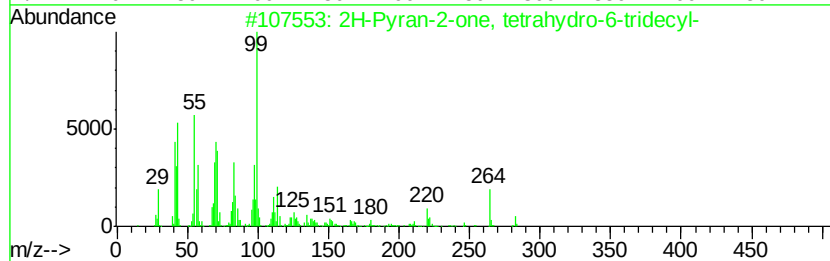
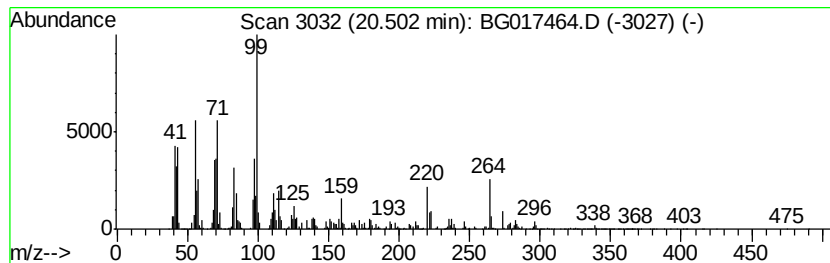
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2H-Pyran-2-one, tetrahydro-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.50	32.09 ng	11201000	Chrysene-d12	21.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-2-one, tetrahydro-6-tri...	282	C18H34O2	001227-51-6	81	
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	62	
3	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	55	
4	2H-Pyran-2-one, 6-heptyltetrahydro-	198	C12H22O2	000713-95-1	55	
5	Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	52	



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060415\
Data File : BG017464.D
Acq On : 5 Jun 2015 6:33
Operator : TP/IZ
Sample : G2509-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EFFWASTEWATER

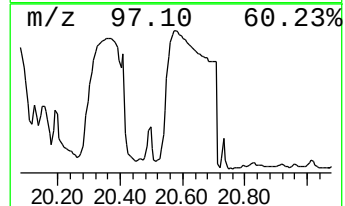
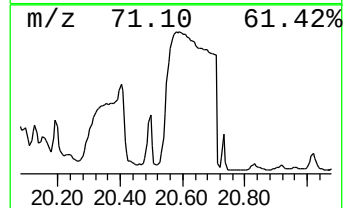
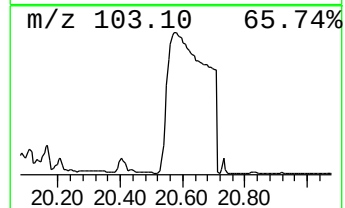
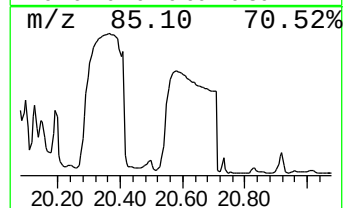
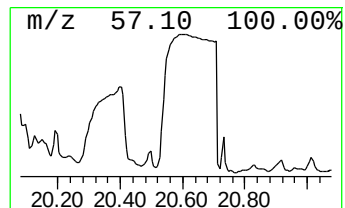
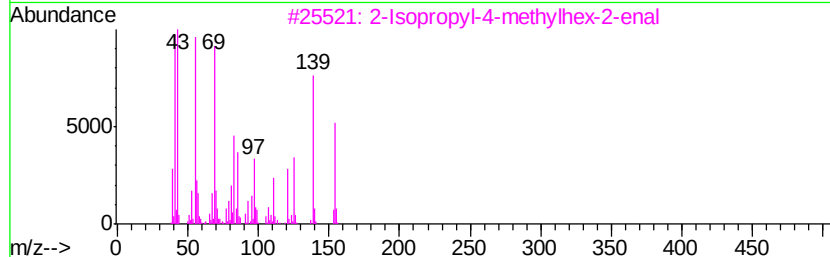
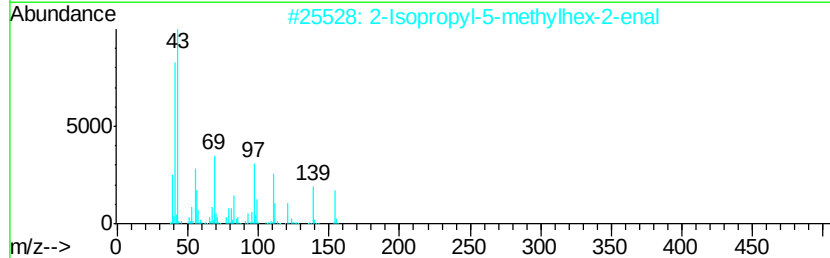
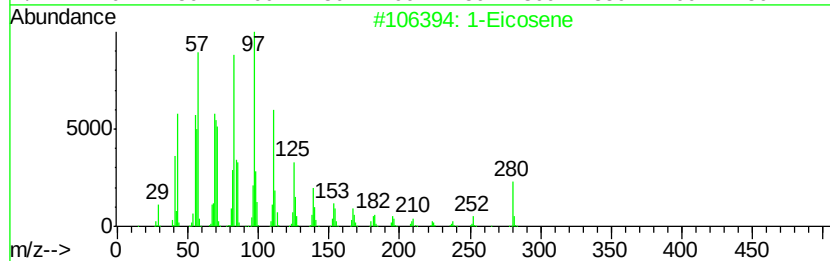
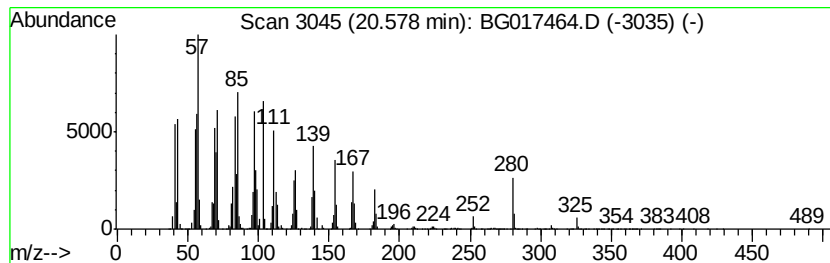
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Eicosene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	708.60 ng	247345000	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Eicosene	280	C20H40	003452-07-1	60
2		2-Isopropyl-5-methylhex-2-enal	154	C10H18O	035158-25-9	38
3		2-Isopropyl-4-methylhex-2-enal	154	C10H18O	072668-37-2	35
4		Propanal, 2-methyl-, 2-propenylh...	126	C7H14N2	066075-08-9	35
5		E-14-Hexadecenal	238	C16H30O	330207-53-9	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060415\
Data File : BG017464.D
Acq On : 5 Jun 2015 6:33
Operator : TP/IZ
Sample : G2509-02
Misc :
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Instrument :
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ClientSampleId :
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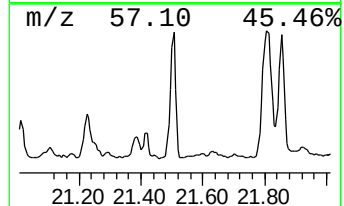
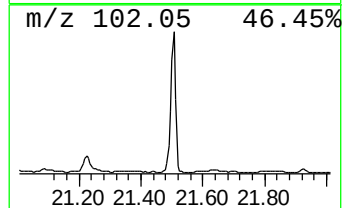
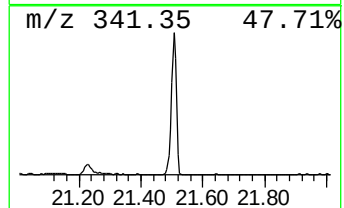
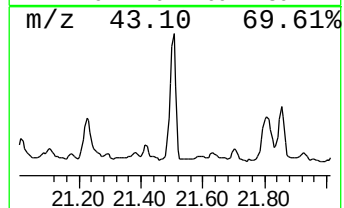
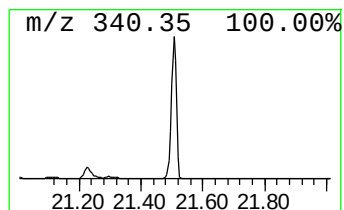
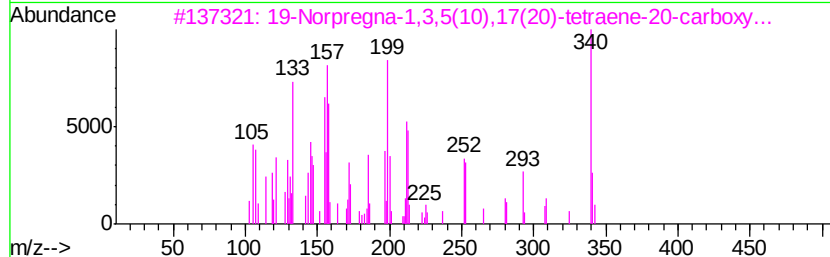
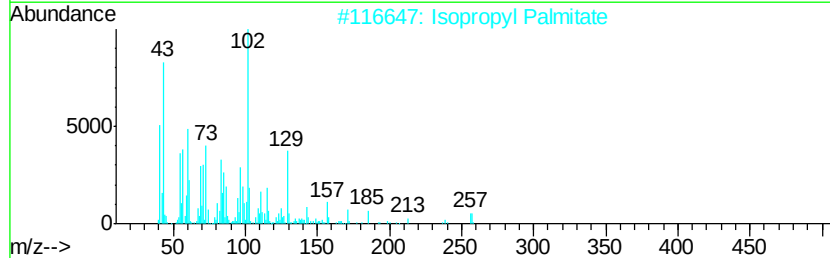
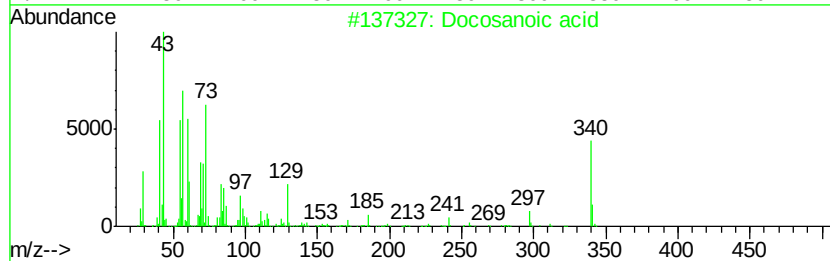
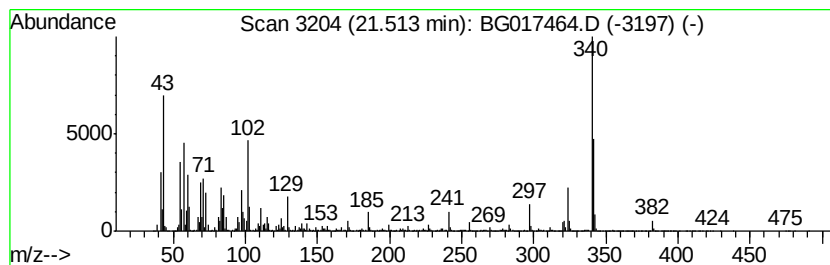
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Docosanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	44.67 ng	15592000	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosanoic acid	340	C22H44O2	000112-85-6	64
2		Isopropyl Palmitate	298	C19H38O2	000142-91-6	35
3		19-Norpregna-1,3,5(10),17(20)-te...	340	C22H28O3	055399-33-2	25
4		Urea, (2-thiazolin-2-yl)-	145	C4H7N3OS	015823-99-1	25
5		6,13-Pentacenedione, 5,14-dihydr...	340	C22H12O4	068970-90-1	11



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060415\
Data File : BG017464.D
Acq On : 5 Jun 2015 6:33
Operator : TP/IZ
Sample : G2509-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

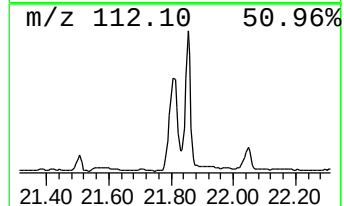
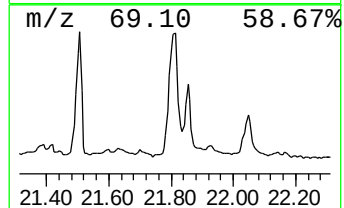
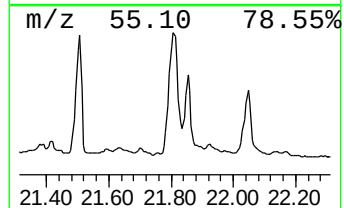
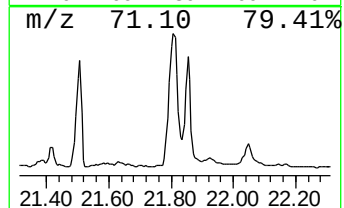
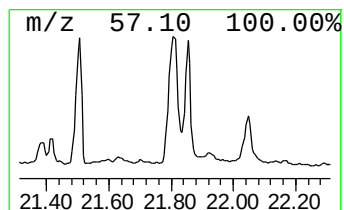
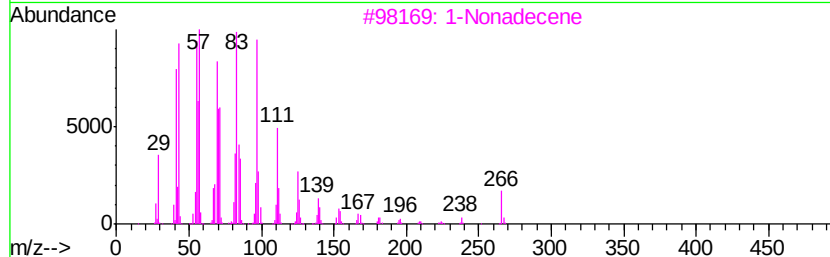
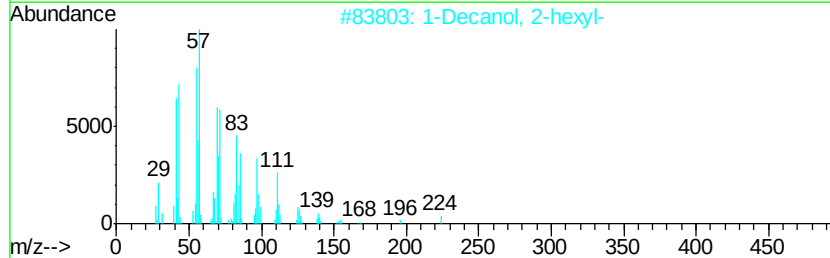
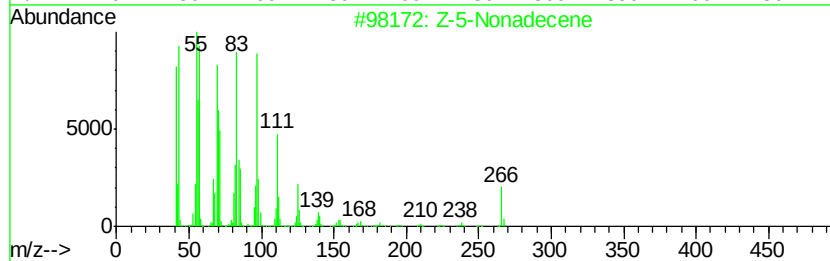
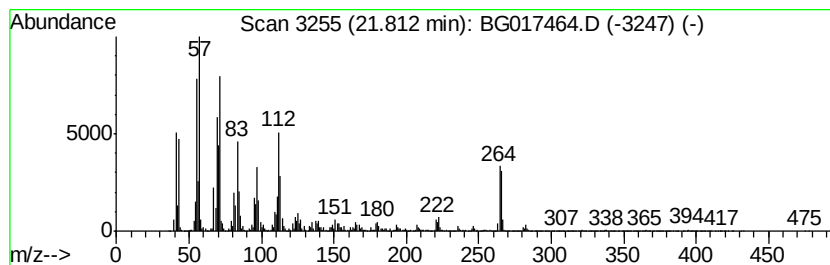
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Z-5-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.81	47.49 ng	16578200	Chrysene-d12	21.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Z-5-Nonadecene	266	C19H38	1000131-11-8	64
2		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	52
3		1-Nonadecene	266	C19H38	018435-45-5	45
4		Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	38
5		Isooctyl mercaptoacetate	204	C10H20O2S	025103-09-7	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060415\
Data File : BG017464.D
Acq On : 5 Jun 2015 6:33
Operator : TP/IZ
Sample : G2509-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EFFWASTEWATER

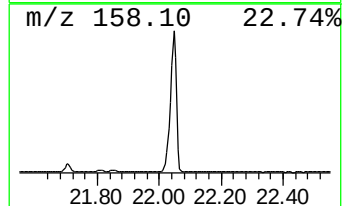
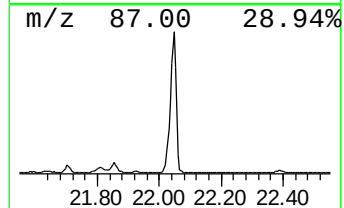
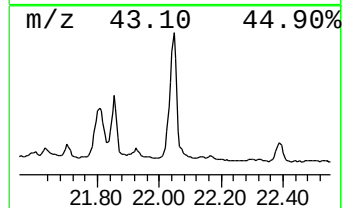
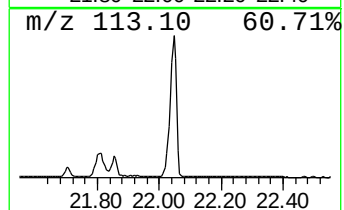
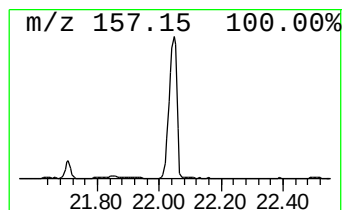
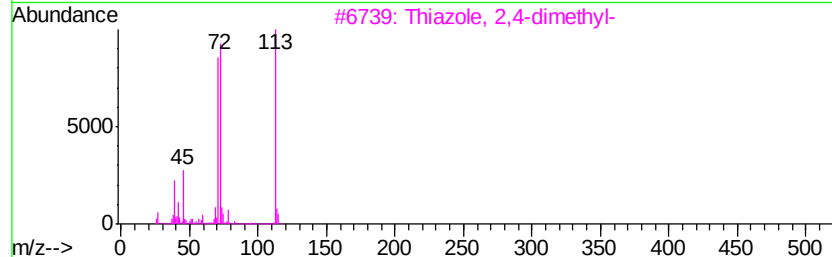
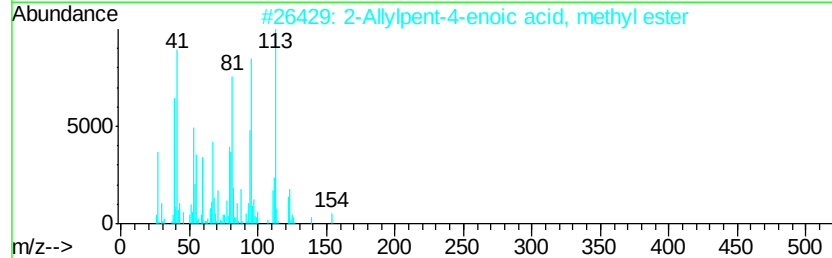
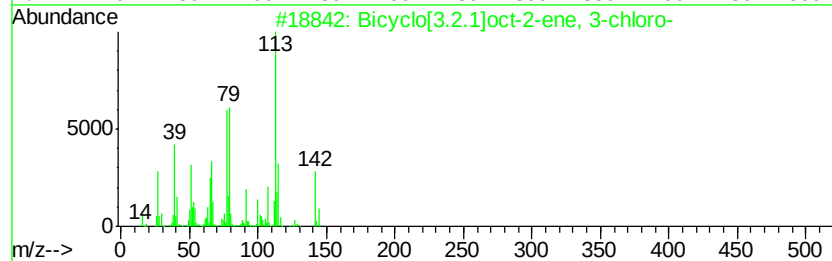
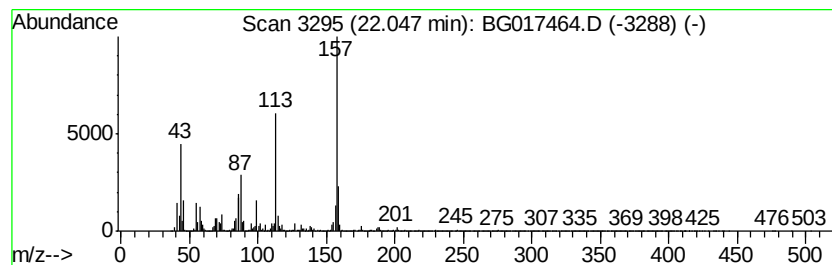
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown22.05 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.05	48.09 ng	16786900	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.2.1]oct-2-ene, 3-chloro-	142	C8H11Cl	035242-17-2	25
2		2-Allylpent-4-enoic acid, methyl...	154	C9H14O2	054385-33-0	15
3		Thiazole, 2,4-dimethyl-	113	C5H7NS	000541-58-2	11
4		3,5-Heptanedione, 2,6-dimethyl-	156	C9H16O2	018362-64-6	10
5		4,6-Nonanedione	156	C9H16O2	014090-88-1	10



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060415\
 Data File : BG017464.D
 Acq On : 5 Jun 2015 6:33
 Operator : TP/IZ
 Sample : G2509-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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
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unknown18.45	18.45	271.1 ng		88854200	4	17.04	6553910	20.0
unknown19.69	19.69	59.9 ng		20915200	5	21.35	6981220	20.0
unknown20.19	20.19	66.5 ng		23195700	5	21.35	6981220	20.0
2(3H)-Furanone, d...	20.36	511.0 ng		178375000	5	21.35	6981220	20.0
2H-Pyran-2-one, t...	20.50	32.1 ng		11201000	5	21.35	6981220	20.0
1-Eicosene	20.58	708.6 ng		247345000	5	21.35	6981220	20.0
Docosanoic acid	21.51	44.7 ng		15592000	5	21.35	6981220	20.0
Z-5-Nonadecene	21.81	47.5 ng		16578200	5	21.35	6981220	20.0
unknown22.05	22.05	48.1 ng		16786900	5	21.35	6981220	20.0