

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
 Data File : BG017952.D
 Acq On : 18 Jul 2015 8:14
 Operator : TP/UM
 Sample : G3008-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

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_G\METHODS\8270-BG071715.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	2.788	12	17	24	rVV4	59956	120708	2.50%	0.373%
2	2.864	25	30	45	rVB	1163922	1594337	32.98%	4.922%
3	3.087	63	68	77	rBV	314342	495696	10.26%	1.530%
4	4.351	276	283	290	rBV2	43323	60630	1.25%	0.187%
5	4.738	342	349	355	rBV2	45404	69930	1.45%	0.216%
6	5.191	420	426	435	rVB	621445	883439	18.28%	2.727%
7	6.766	687	694	708	rVB	387866	616044	12.75%	1.902%
8	7.118	747	754	764	rBV	1227551	1945706	40.25%	6.007%
9	7.582	827	833	840	rVB	354682	559074	11.57%	1.726%
10	7.899	880	887	898	rBV	1098713	1771615	36.65%	5.469%
11	8.740	1019	1030	1040	rBV	881140	1472844	30.47%	4.547%
12	9.210	1105	1110	1119	rBV2	31101	74636	1.54%	0.230%
13	10.361	1299	1306	1311	rBV	504218	906797	18.76%	2.799%
14	10.661	1348	1357	1363	rVB	420063	660562	13.67%	2.039%
15	12.858	1723	1731	1737	rBV	2449732	3689884	76.34%	11.391%
16	13.205	1784	1790	1798	rBV	367441	496370	10.27%	1.532%
17	13.704	1865	1875	1883	rBV	47796	72493	1.50%	0.224%
18	14.239	1960	1966	1976	rVB2	757729	1178717	24.39%	3.639%
19	15.073	2101	2108	2115	rBV2	46517	85180	1.76%	0.263%
20	15.608	2195	2199	2206	rVB	35981	55499	1.15%	0.171%
21	15.737	2214	2221	2227	rBV	1926222	2760005	57.10%	8.521%
22	15.796	2227	2231	2241	rVB	390077	525014	10.86%	1.621%
23	16.231	2300	2305	2308	rBV2	44877	55527	1.15%	0.171%
24	16.877	2410	2415	2419	rBV	108432	150028	3.10%	0.463%
25	16.995	2429	2435	2443	rBV	986064	1392303	28.80%	4.298%
26	17.171	2459	2465	2471	rBV2	59019	92237	1.91%	0.285%
27	17.306	2480	2488	2493	rBV4	40434	76267	1.58%	0.235%
28	17.594	2531	2537	2545	rVB4	104362	241167	4.99%	0.745%
29	17.712	2552	2557	2568	rVB2	343414	535679	11.08%	1.654%
30	17.858	2577	2582	2587	rBV	426440	582772	12.06%	1.799%
31	17.911	2587	2591	2599	rVB3	107574	172377	3.57%	0.532%
32	18.076	2614	2619	2625	rVB2	55451	79254	1.64%	0.245%
33	18.358	2662	2667	2672	rBV2	55426	82396	1.70%	0.254%
34	18.663	2710	2719	2724	rBV4	27850	57644	1.19%	0.178%

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

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

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35	18.904	2756	2760	2763	rBV	46017	65546	1.36%	0.202%
36	18.939	2763	2766	2772	rVB4	37546	57471	1.19%	0.177%
37	19.151	2797	2802	2807	rBV8	22084	48761	1.01%	0.151%
38	19.204	2807	2811	2817	rVV5	61453	100031	2.07%	0.309%
39	19.286	2821	2825	2833	rVV	93637	138480	2.86%	0.428%
40	19.645	2879	2886	2901	rBV	3716816	4833607	100.00%	14.922%
41	19.791	2905	2911	2917	rBV4	45659	122208	2.53%	0.377%
42	19.844	2917	2920	2923	rVV5	39703	52567	1.09%	0.162%
43	20.050	2951	2955	2962	rBV	39393	55582	1.15%	0.172%
44	20.920	3099	3103	3108	rBV	103374	153391	3.17%	0.474%
45	21.190	3144	3149	3158	rVB	1123817	1491740	30.86%	4.605%
46	22.377	3346	3351	3354	rBV2	34420	55655	1.15%	0.172%
47	23.411	3519	3527	3541	rVB2	783109	1488420	30.79%	4.595%
48	25.843	3935	3941	3951	rVB2	44932	115517	2.39%	0.357%

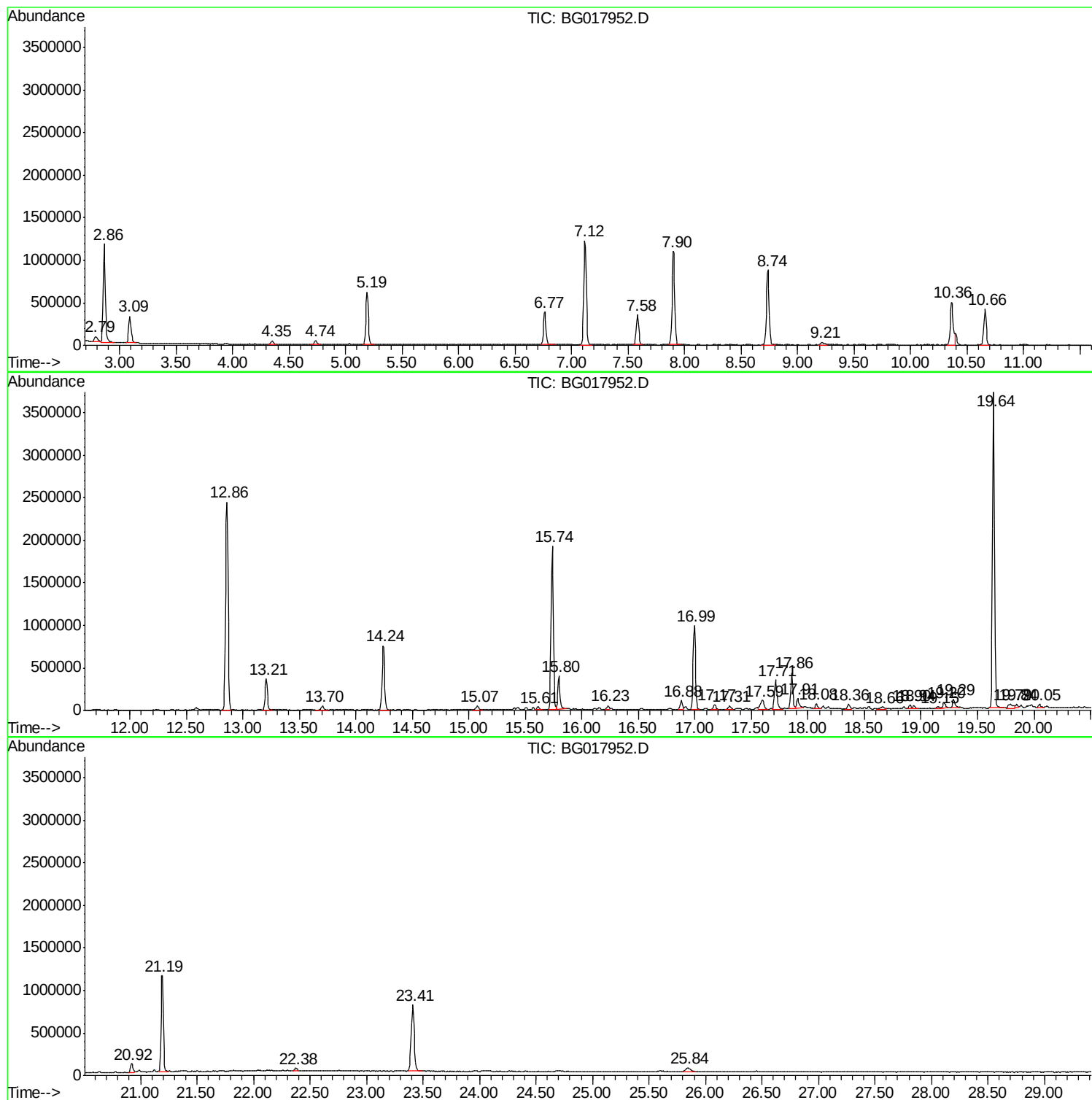
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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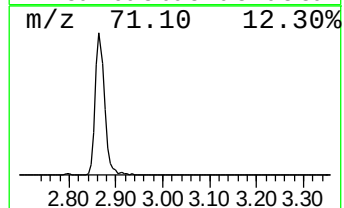
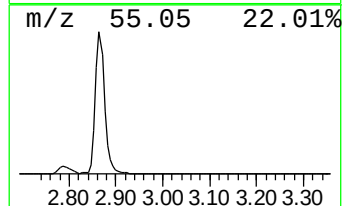
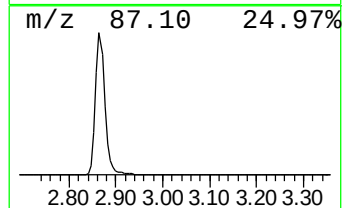
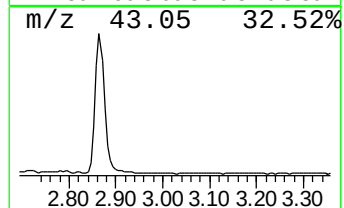
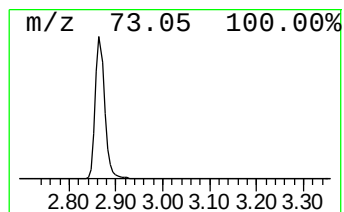
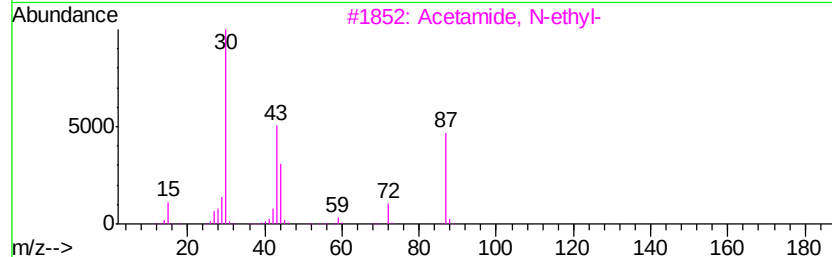
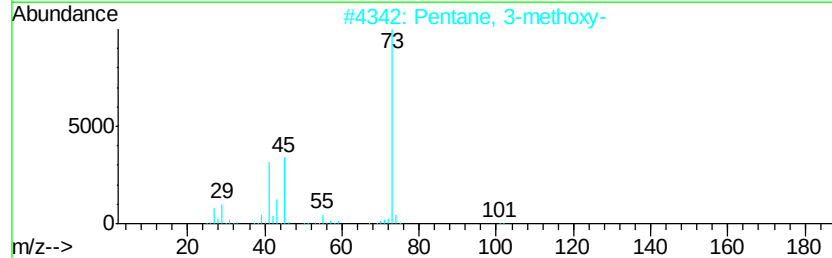
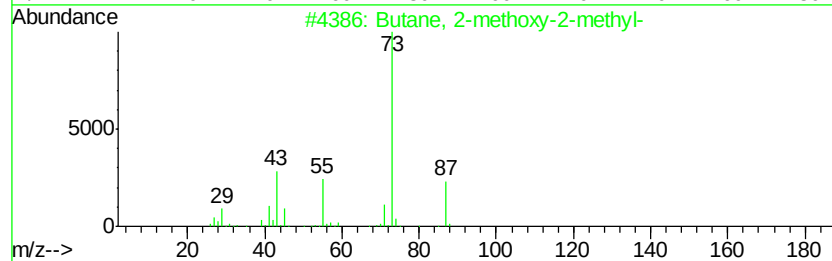
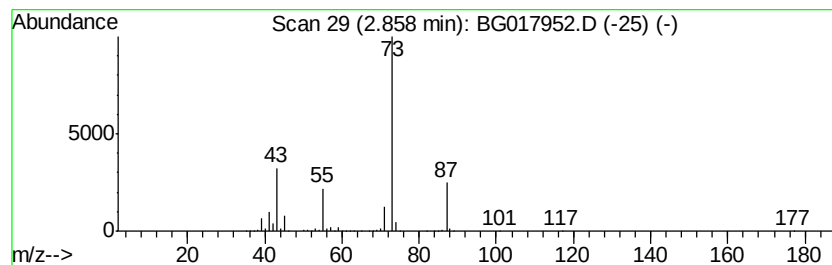
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.86	57.03 ng	1594340	1,4-Dichlorobenzene-d4	7.58

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4		N-Ethylformamide	73	C3H7NO	000627-45-2	9
5		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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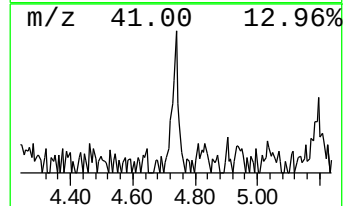
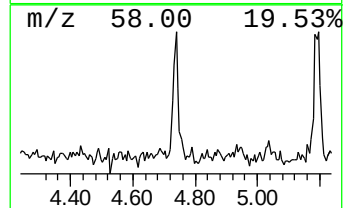
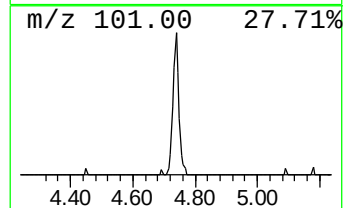
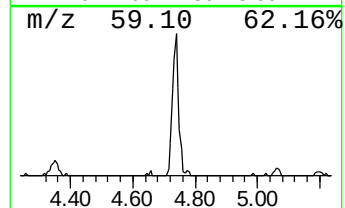
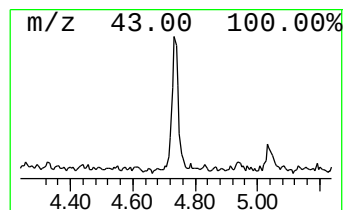
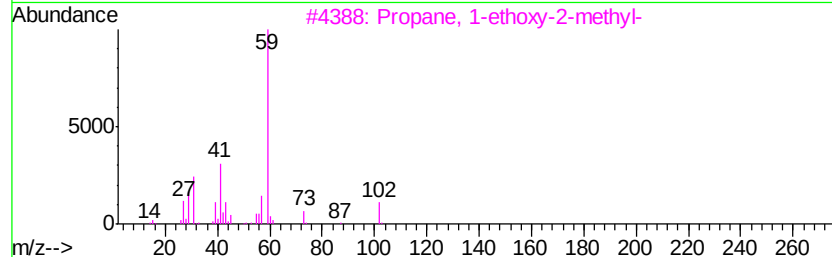
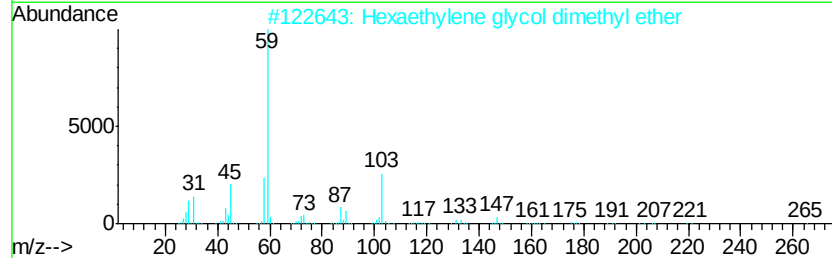
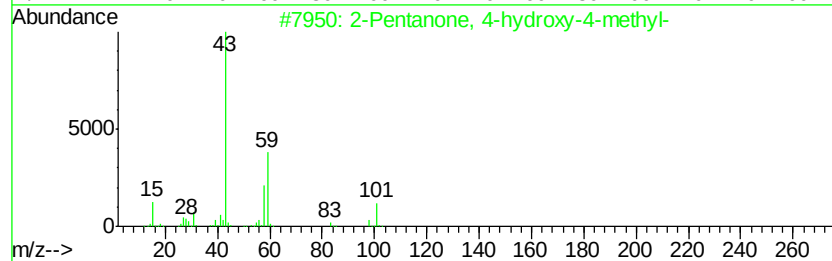
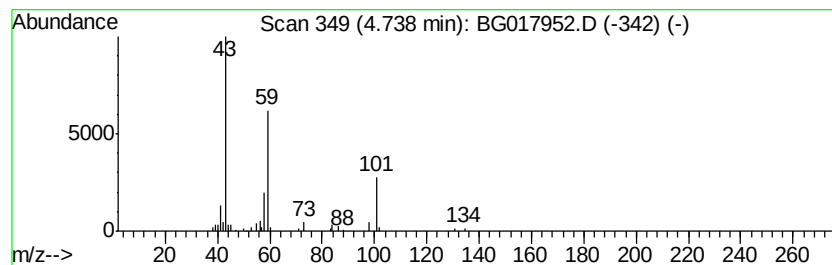
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown4.74 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	2.50 ng	69930	1,4-Dichlorobenzene-d4	7.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
2		Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	17
3		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	16
4		3-Octanol	130	C8H18O	000589-98-0	12
5		Acetic acid, 3-methoxy-2-butyl e...	146	C7H14O3	1000151-29-7	12



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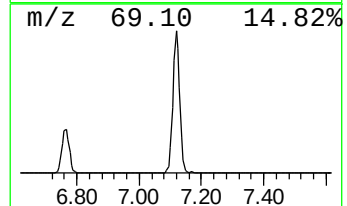
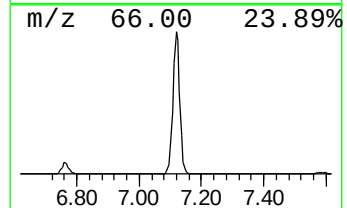
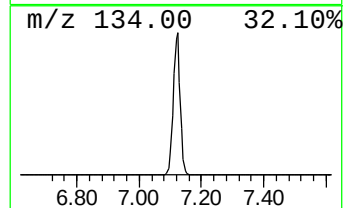
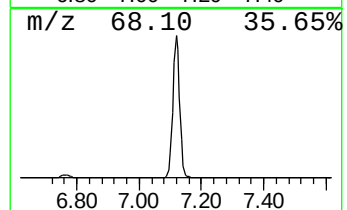
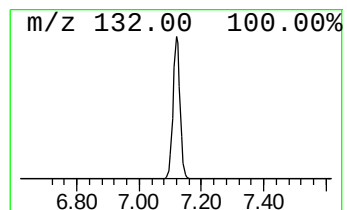
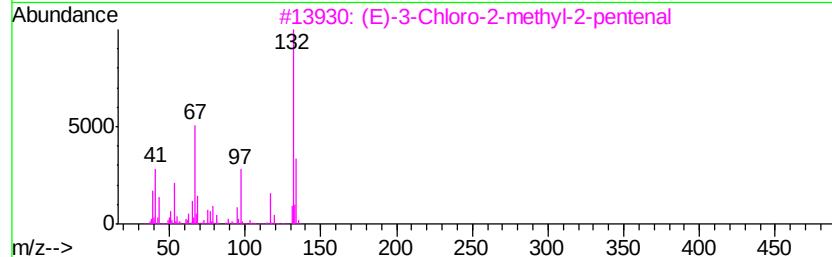
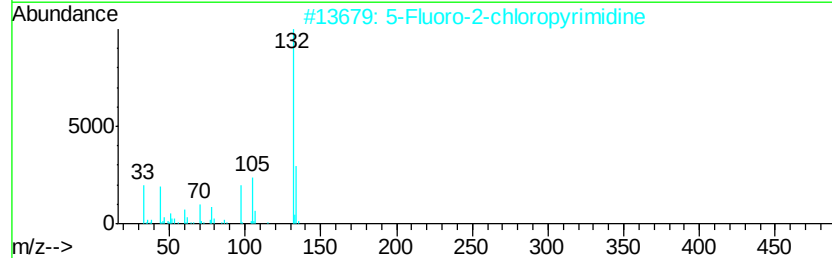
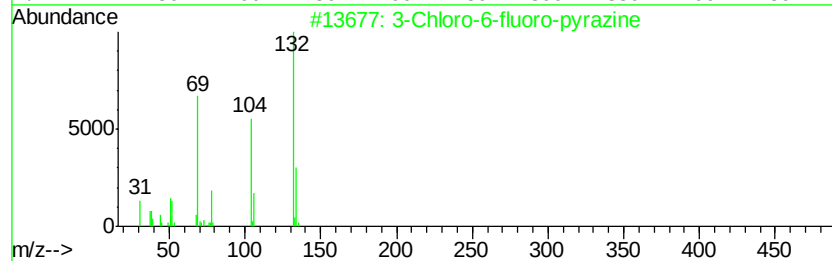
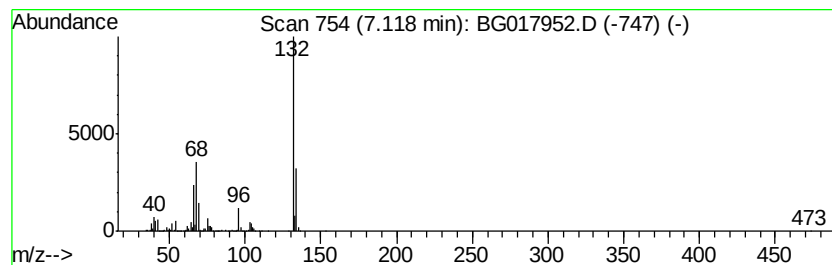
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	69.60 ng	1945710	1,4-Dichlorobenzene-d4	7.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	25
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		5-Aminoindole	132	C8H8N2	005192-03-0	12



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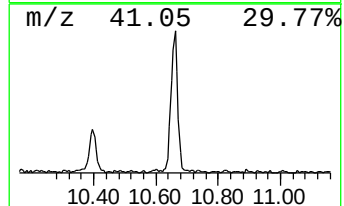
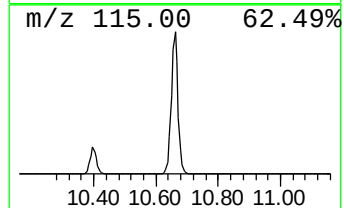
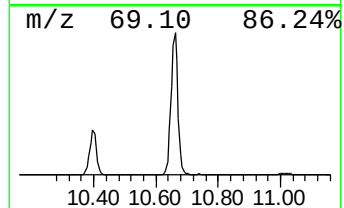
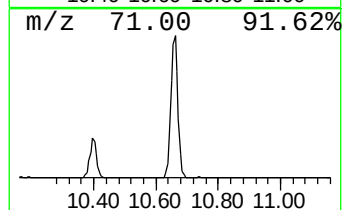
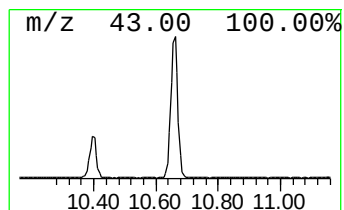
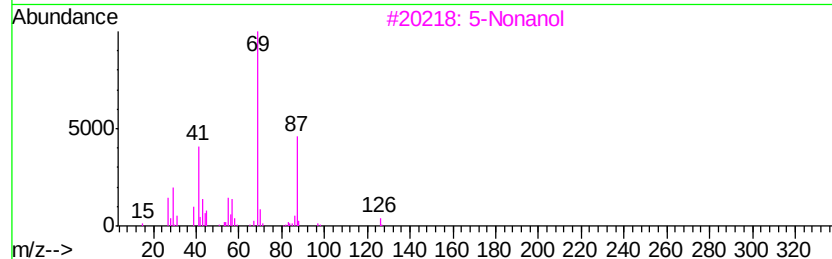
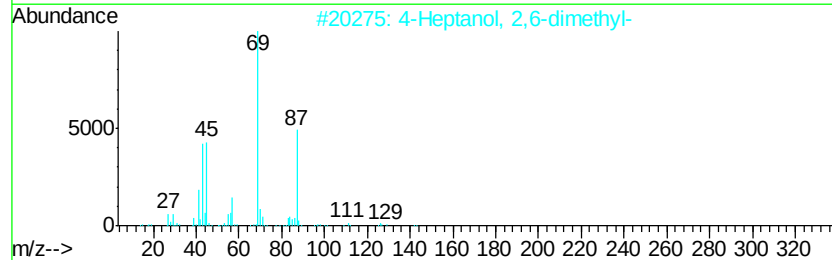
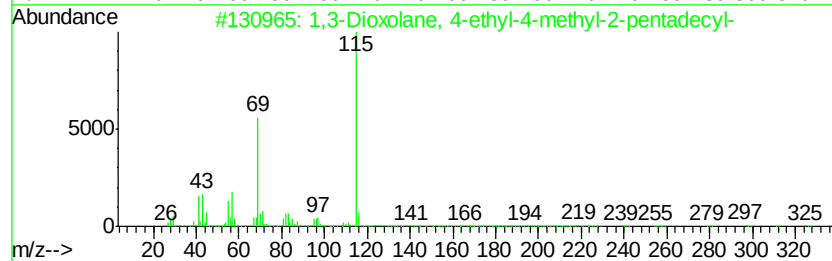
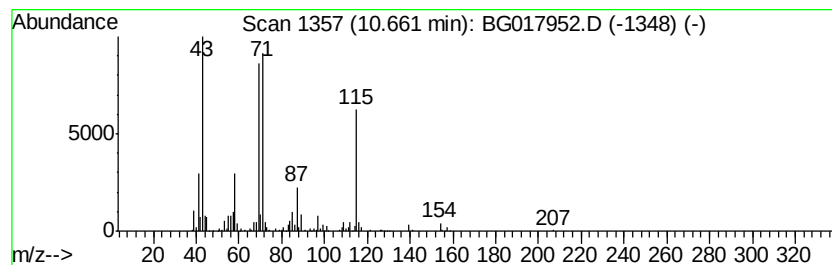
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 8 unknown10.66 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	14.57 ng	660562	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Dioxolane, 4-ethyl-4-methyl-...	326	C21H42O2	056599-78-1	32
2		4-Heptanol, 2,6-dimethyl-	144	C9H20O	000108-82-7	27
3		5-Nonanol	144	C9H20O	000623-93-8	22
4		2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	22
5		3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	22



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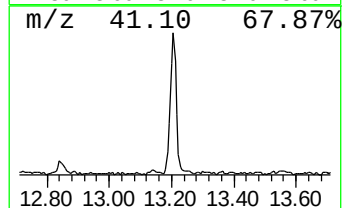
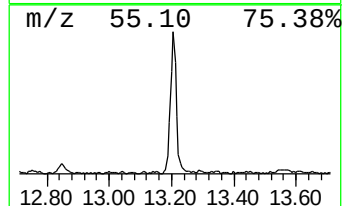
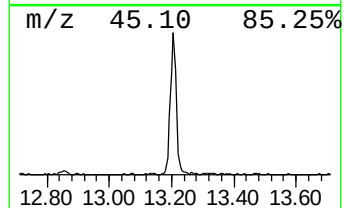
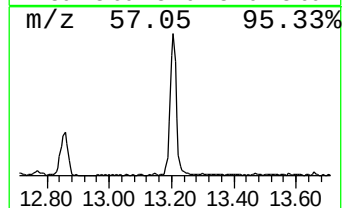
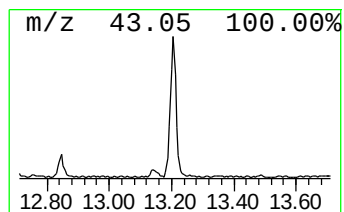
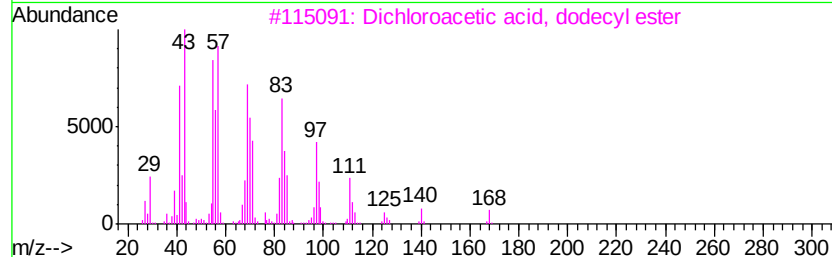
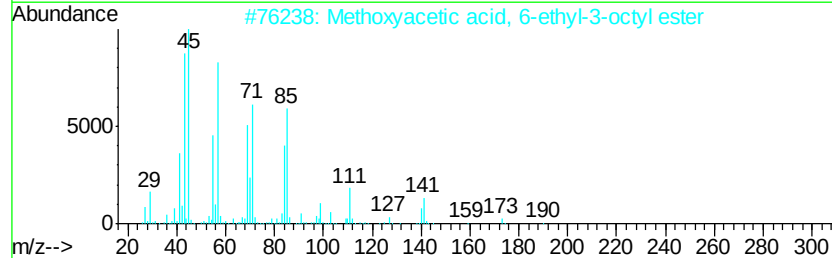
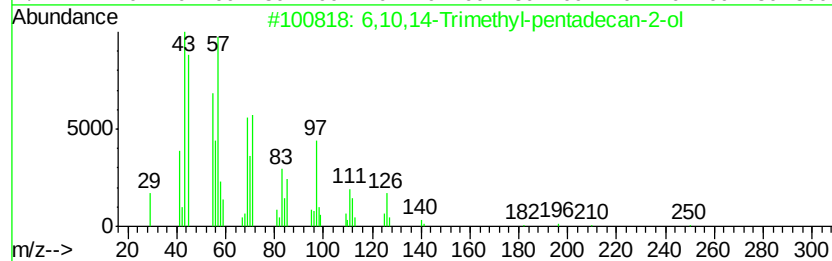
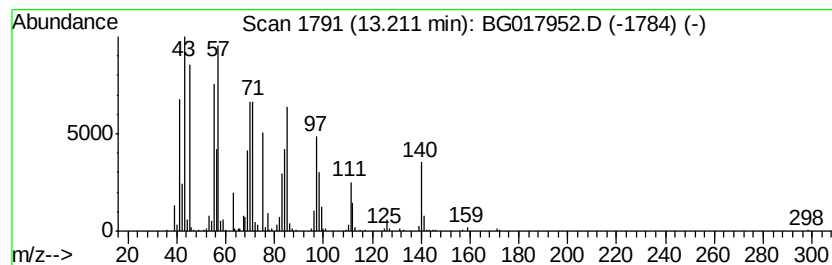
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 6,10,14-Trimethyl-pentadeca... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	8.42 ng	496370	Acenaphthene-d10	14.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6,10,14-Trimethyl-pentadecan-2-ol	270	C18H38O	1000143-49-8	50
2		Methoxyacetic acid, 6-ethyl-3-oc...	230	C13H26O3	1000282-69-8	49
3		Dichloroacetic acid, dodecyl ester	296	C14H26Cl2O2	083005-01-0	38
4		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	25
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	22



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
Data File : BG017952.D
Acq On : 18 Jul 2015 8:14
Operator : TP/UM
Sample : G3008-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

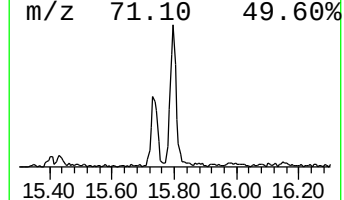
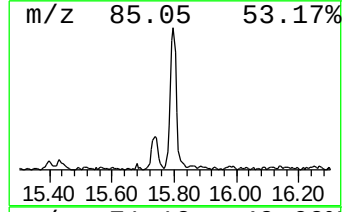
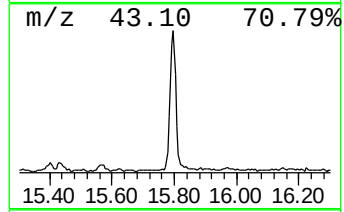
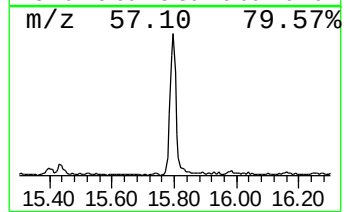
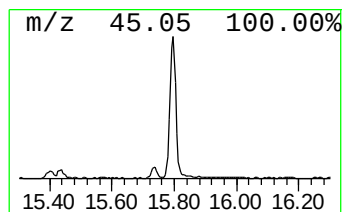
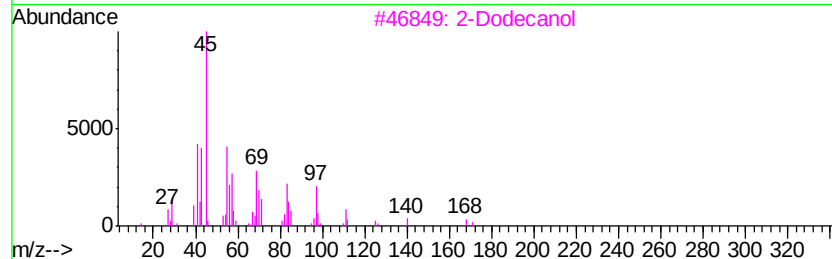
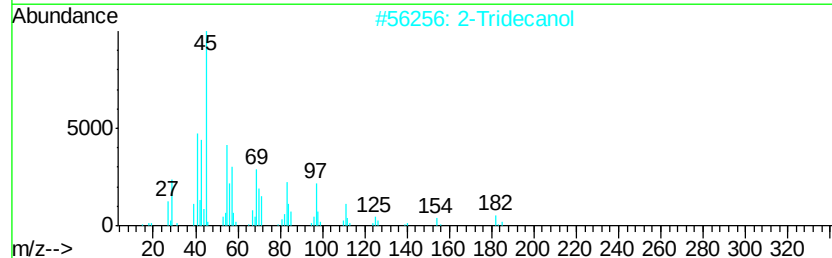
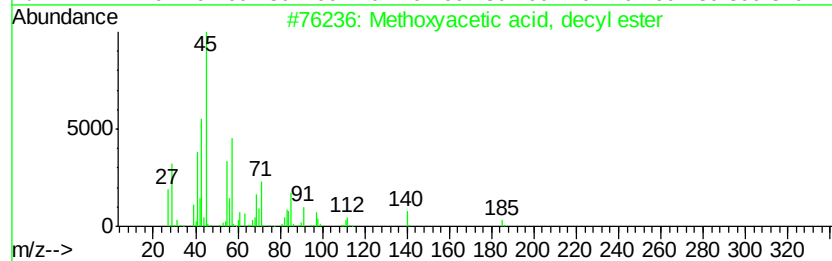
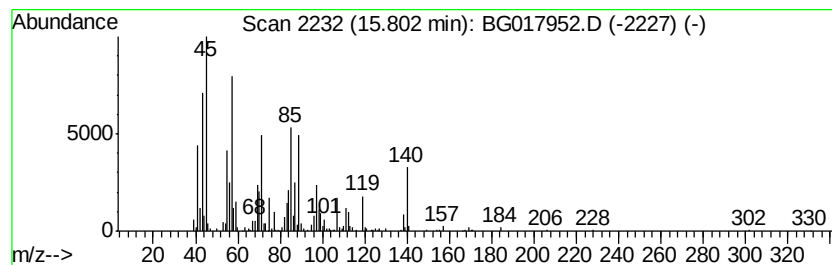
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Methoxyacetic acid, decyl e... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	7.54 ng	525014	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methoxyacetic acid, decyl ester	230	C13H26O3	259141-02-1	53
2			2-Tridecanol	200	C13H28O	001653-31-2	38
3			2-Dodecanol	186	C12H26O	010203-28-8	35
4			2-Hexadecanol	242	C16H34O	014852-31-4	35
5			2-Tetradecanol	214	C14H30O	004706-81-4	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
Data File : BG017952.D
Acq On : 18 Jul 2015 8:14
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BNA_G
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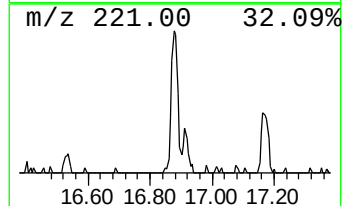
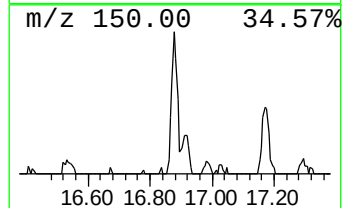
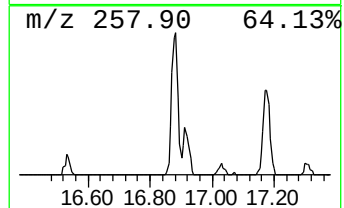
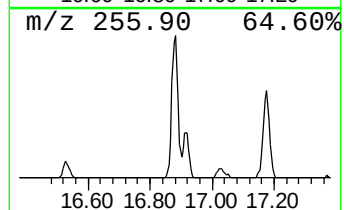
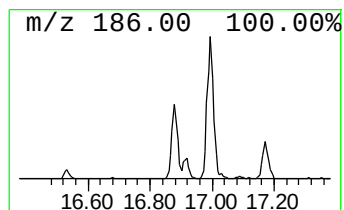
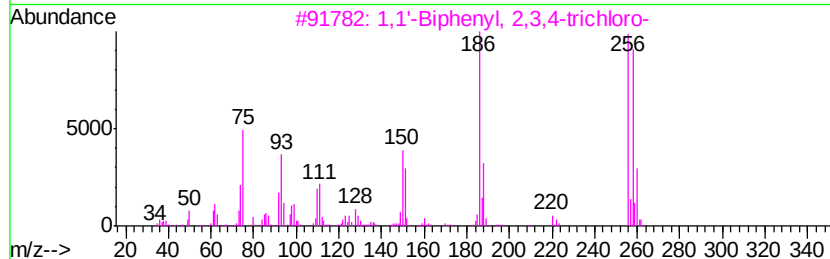
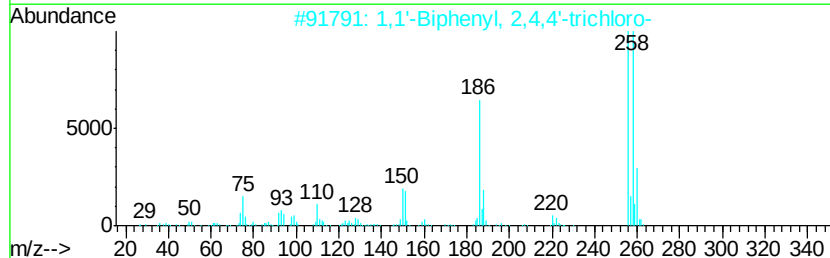
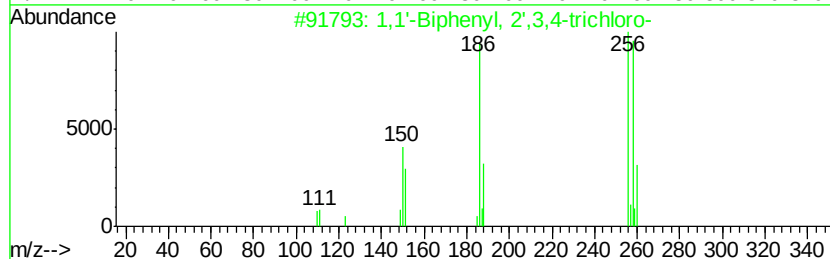
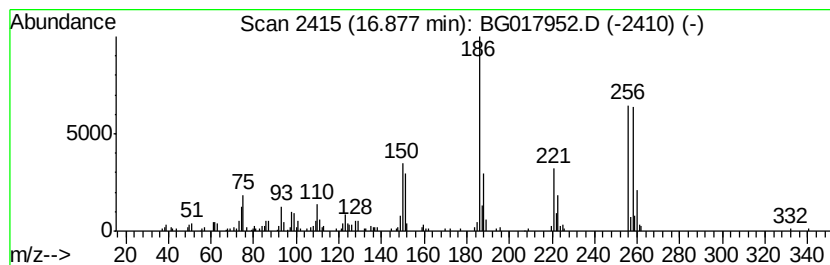
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	2.16 ng	150028	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	95
2			1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	93
3			1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	93
4			1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	93
5			1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
Data File : BG017952.D
Acq On : 18 Jul 2015 8:14
Operator : TP/UM
Sample : G3008-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

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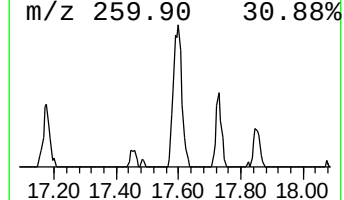
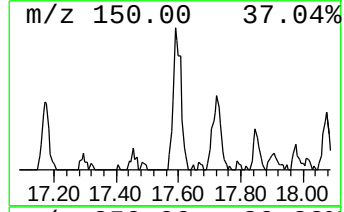
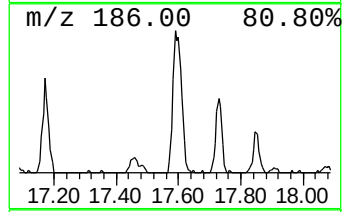
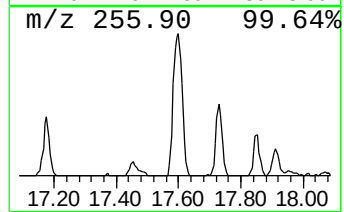
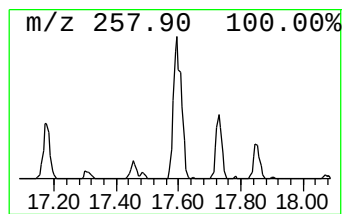
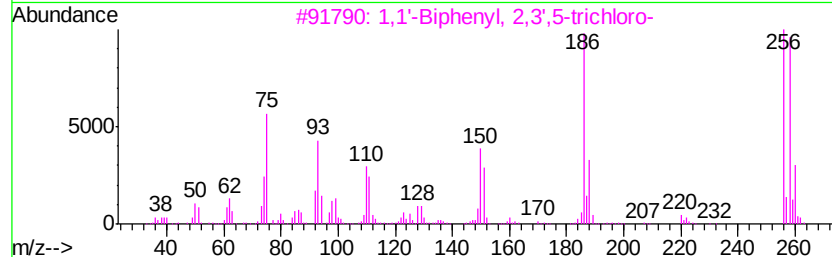
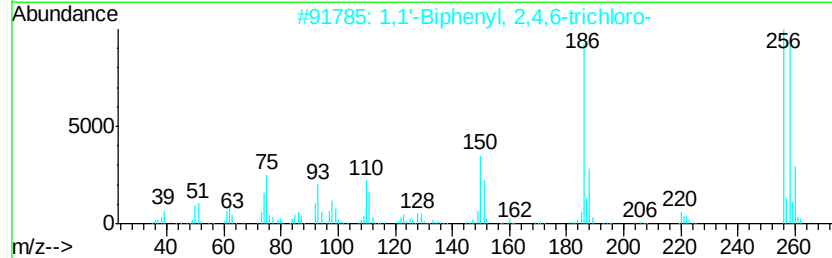
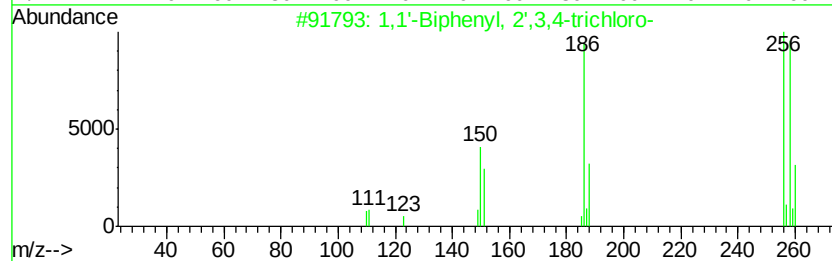
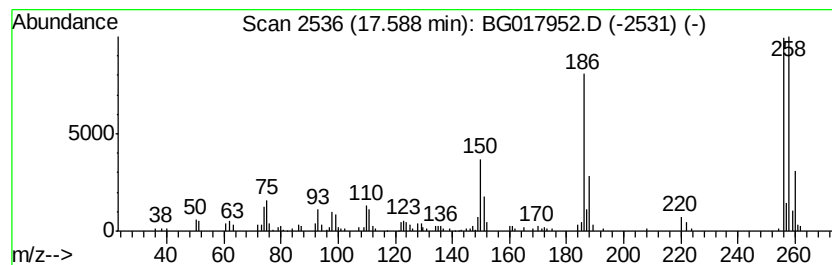
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,4,6-trichl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	3.46 ng	241167	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	97
2			1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	95
3			1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	95
4			1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	95
5			1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
Data File : BG017952.D
Acq On : 18 Jul 2015 8:14
Operator : TP/UM
Sample : G3008-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

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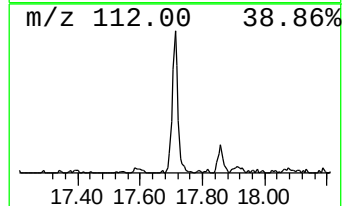
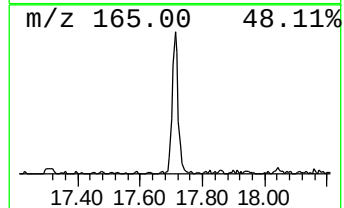
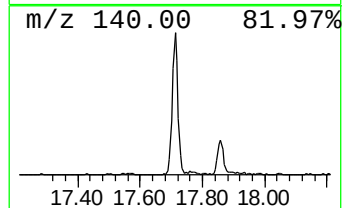
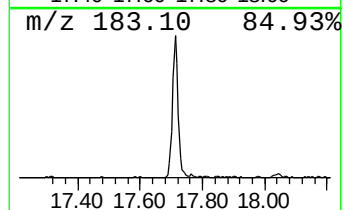
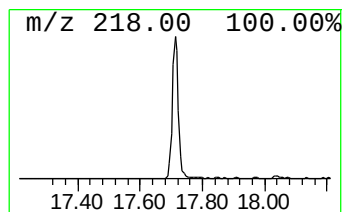
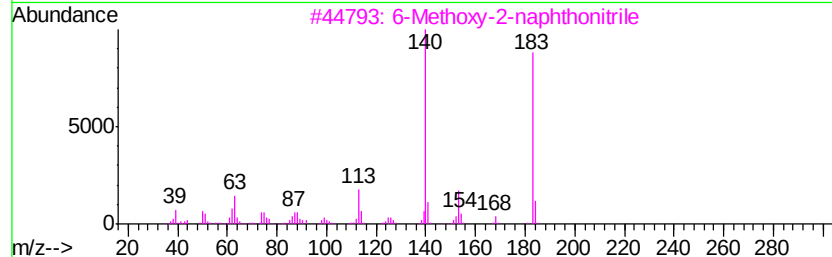
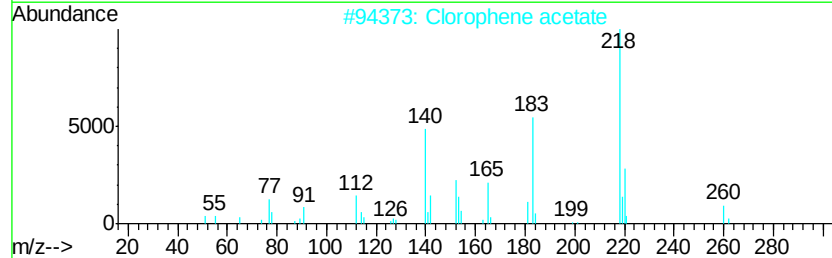
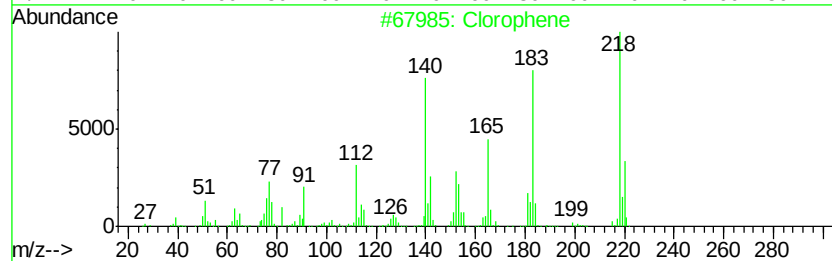
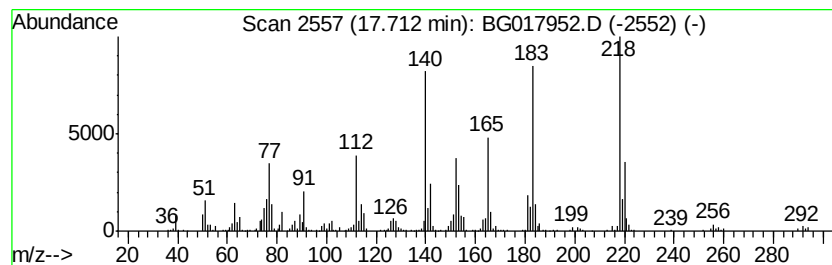
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Clorophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	7.69 ng	535679	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Clorophene	218	C13H11ClO	000120-32-1	99
2			Clorophene acetate	260	C15H13ClO2	1000120-34-0	91
3			6-Methoxy-2-naphthonitrile	183	C12H9NO	067886-70-8	46
4			Benzofuro[3,2-d]pyrimidine, 4-ch...	218	C11H7ClN2O	039786-40-8	46
5			6-Methoxy-2-naphthonitrile	183	C12H9NO	077029-01-7	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
Data File : BG017952.D
Acq On : 18 Jul 2015 8:14
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Sample : G3008-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

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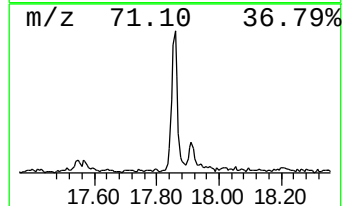
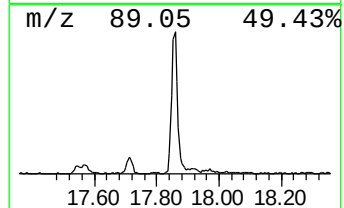
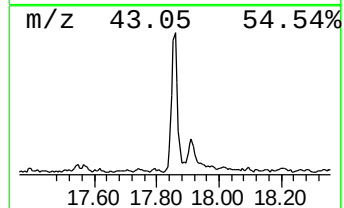
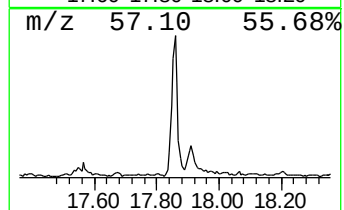
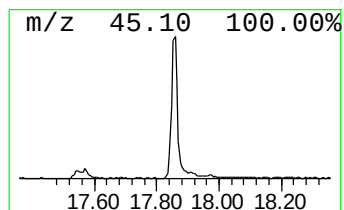
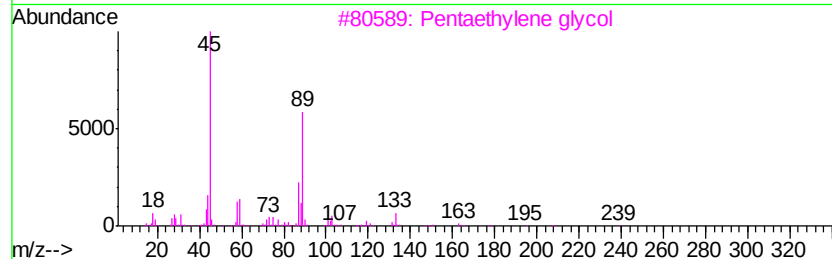
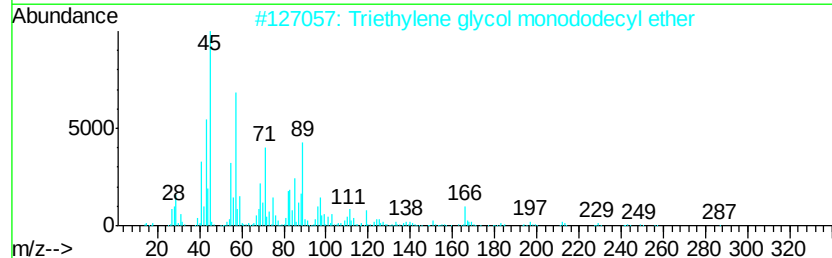
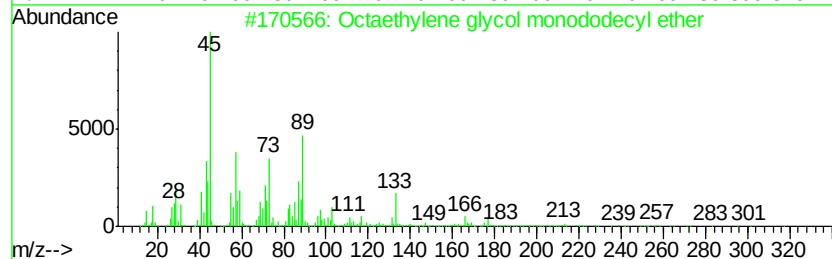
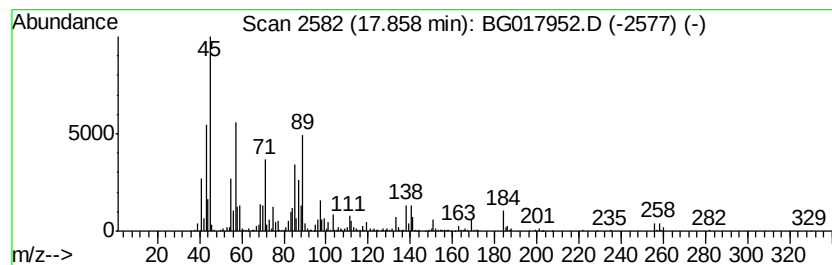
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octaethylene glycol monodod... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	8.37 ng	582772	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octaethylene glycol monododecyl ...	538	C28H58O9	003055-98-9	72
2		Triethylene glycol monododecyl e...	318	C18H38O4	003055-94-5	64
3		Pentaethylene glycol	238	C10H22O6	004792-15-8	58
4		Ethanol, 2,2'-[oxybis(2,1-ethane...	194	C8H18O5	000112-60-7	50
5		Diisopropyl ether	102	C6H14O	000108-20-3	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
Data File : BG017952.D
Acq On : 18 Jul 2015 8:14
Operator : TP/UM
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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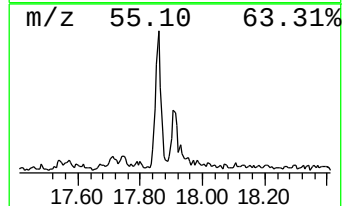
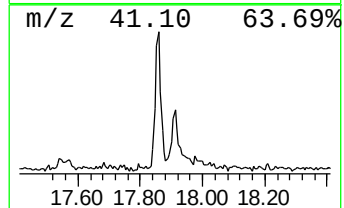
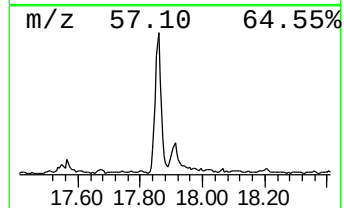
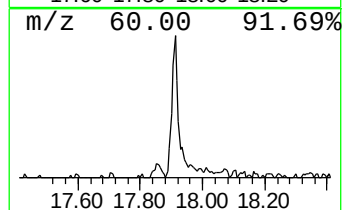
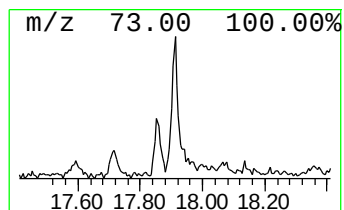
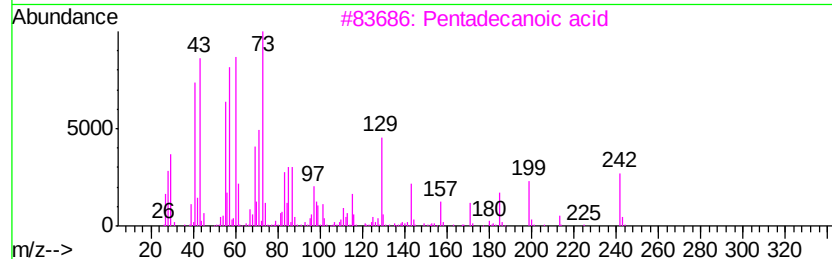
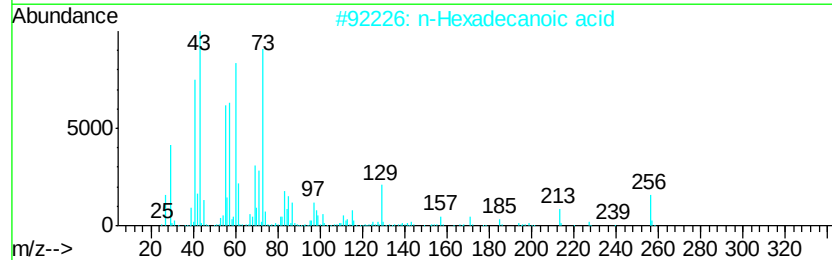
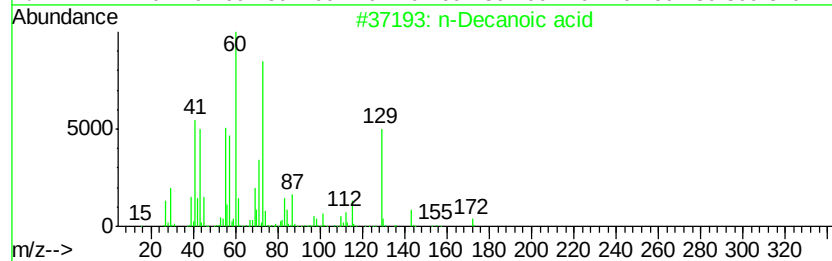
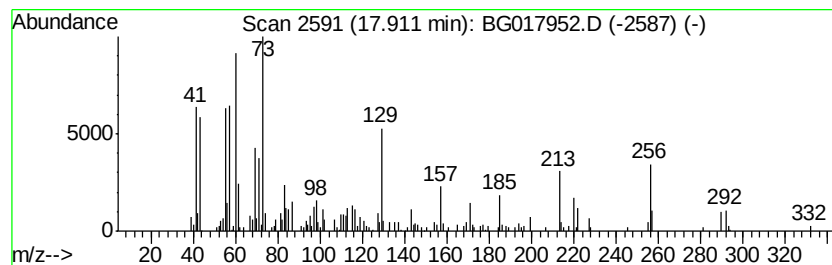
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 n-Decanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	2.48 ng	172377	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Decanoic acid	172	C10H20O2	000334-48-5	95
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	49
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	49
5		Tridecanoic acid	214	C13H26O2	000638-53-9	47



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
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Acq On : 18 Jul 2015 8:14
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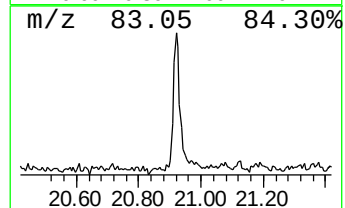
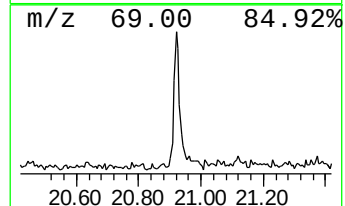
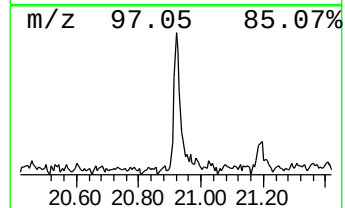
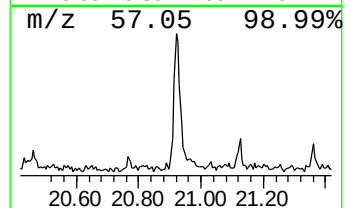
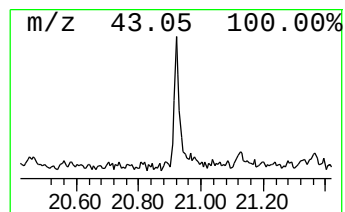
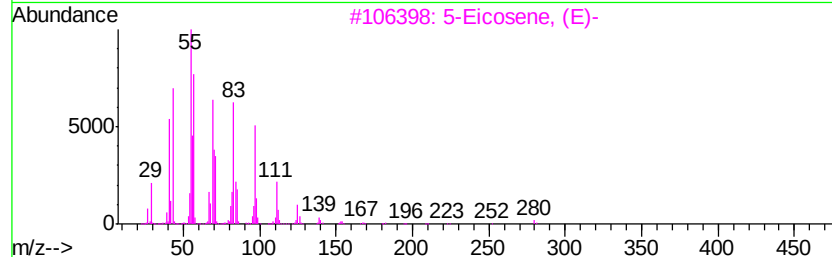
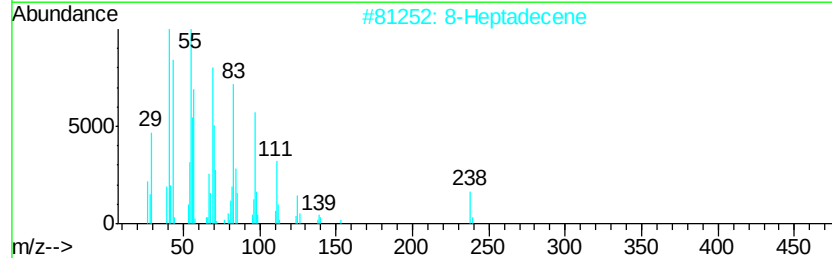
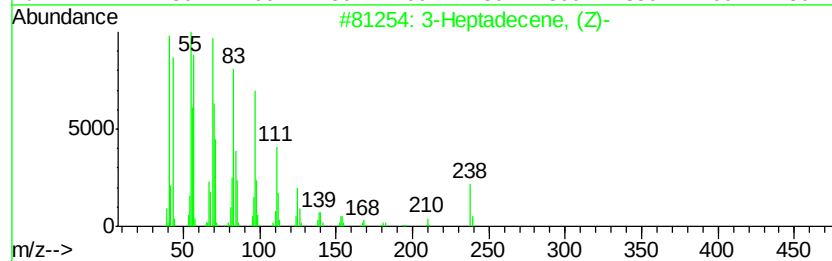
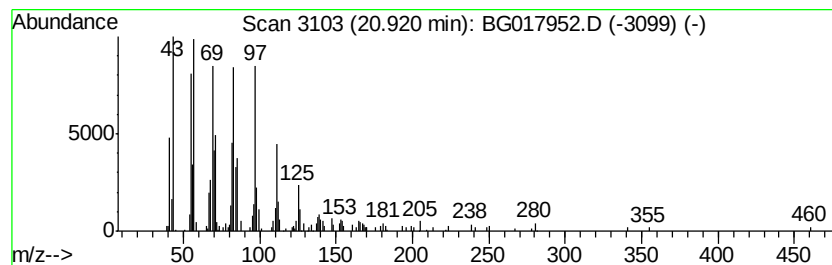
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 3-Heptadecene, (Z)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.06 ng	153391	Chrysene-d12	21.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		3-Heptadecene, (Z)-	238 C17H34	1000141-67-3 95
2		8-Heptadecene	238 C17H34	054290-12-9 93
3		5-Eicosene, (E)-	280 C20H40	074685-30-6 92
4		Heptafluorobutanoic acid, heptad...	452 C21H35F7O2	1000282-97-3 91
5		Trifluoroacetic acid, n-heptadec...	324 C17H31F3O2	1000216-79-2 91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
 Data File : BG017952.D
 Acq On : 18 Jul 2015 8:14
 Operator : TP/UM
 Sample : G3008-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.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
Butane, 2-methoxy...	2.86	57.0	ng	1594340	1	7.58	559074	20.0
unknown4.74	4.74	2.5	ng	69930	1	7.58	559074	20.0
unknown7.12	7.12	69.6	ng	1945710	1	7.58	559074	20.0
unknown10.66	10.66	14.6	ng	660562	2	10.36	906797	20.0
6,10,14-Trimethyl...	13.21	8.4	ng	496370	3	14.24	1178720	20.0
Methoxyacetic aci...	15.80	7.5	ng	525014	4	16.99	1392300	20.0
1,1'-Biphenyl, 2'...	16.88	2.2	ng	150028	4	16.99	1392300	20.0
1,1'-Biphenyl, 2,...	17.59	3.5	ng	241167	4	16.99	1392300	20.0
Clorophene	17.71	7.7	ng	535679	4	16.99	1392300	20.0
Octaethylene glyc...	17.86	8.4	ng	582772	4	16.99	1392300	20.0
n-Decanoic acid	17.91	2.5	ng	172377	4	16.99	1392300	20.0
3-Heptadecene, (Z)-	20.92	2.1	ng	153391	5	21.20	1491740	20.0