

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091515\
 Data File : BG018697.D
 Acq On : 16 Sep 2015 00:07
 Operator : UM/IZ
 Sample : G3641-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AN0

Quant Time: Sep 16 01:36:17 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 16 01:32:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	70761	20.00	ng/ul	0.00
18) Naphthalene-d8	10.81	136	323365	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.63	164	258525	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.37	188	528453	20.00	ng/ul	0.00
78) Chrysene-d12	21.63	240	541489	20.00	ng/ul	0.00
86) Perylene-d12	24.81	264	543795	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.44	96	1631	1.11	ng/uL	0.00
5) Phenol-d5	7.19	99	45017	7.75	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.33	67	91992	27.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.54	132	111309	25.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.71	113	83696	17.75	ng/ul	0.00
19) Nitrobenzene-d5	9.31	128	109	0.04	ng/ul	0.15
22) 2-Nitrophenol-d4	9.88	143	77622	31.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.43	165	154004	29.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.92	131	21643	3.59	ng/ul	-0.01
44) Dimethylphthalate-d6	14.04	166	504587	24.25	ng/ul	0.00
47) Acenaphthylene-d8	14.32	160	639625	25.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.84	143	26513	6.64	ng/ul	0.02
58) Fluorene-d10	15.62	176	465920	25.61	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.73	200	74251	29.68	ng/ul	0.00
71) Anthracene-d10	17.47	188	742144	31.90	ng/ul	0.00
79) Pyrene-d10	19.75	212	758305	30.44	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.59	264	739042	27.92	ng/ul	0.00

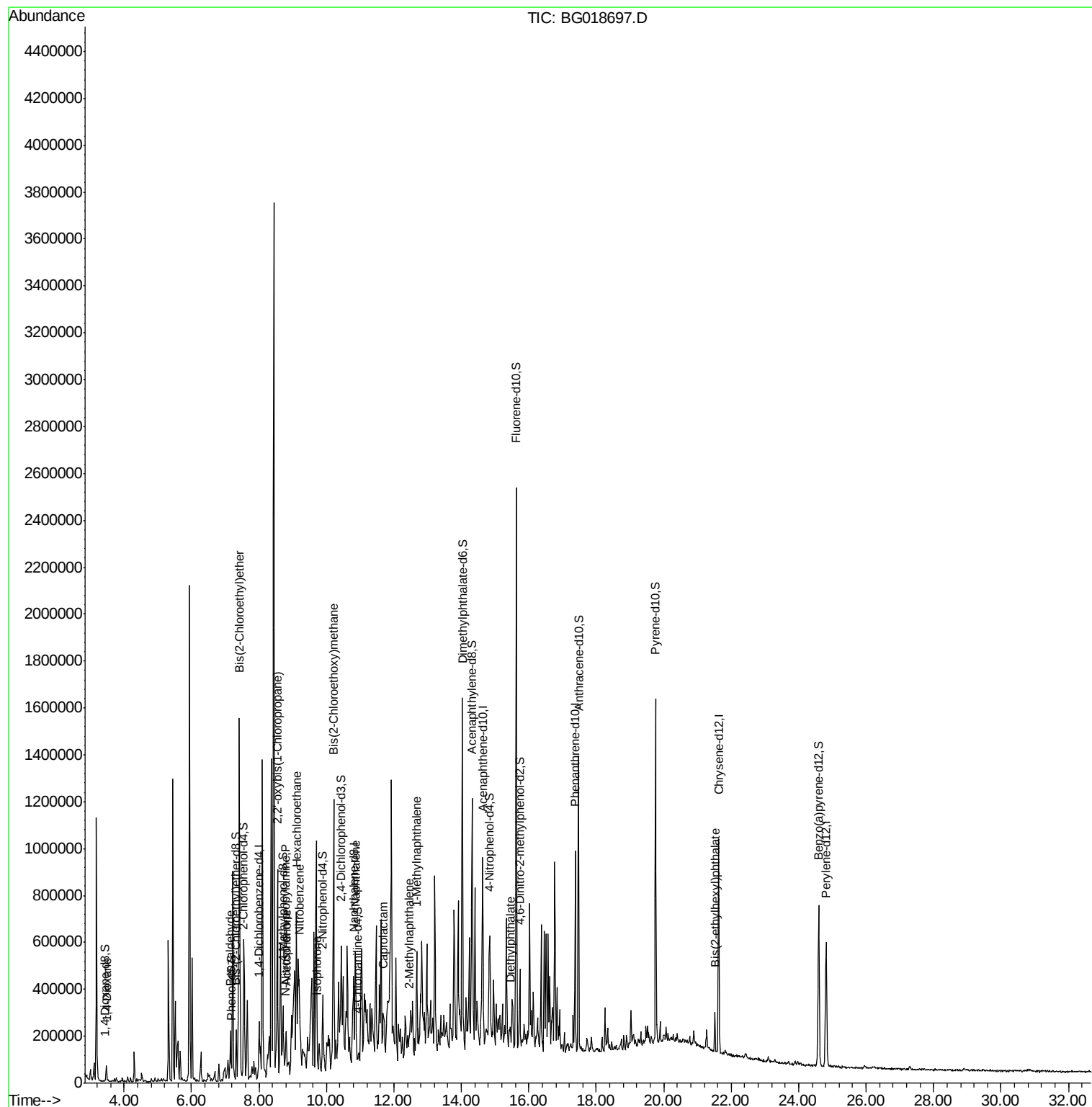
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.48	88	31379	19.71	ng/uL#	75
4) Benzaldehyde	7.16	77	9525	2.83	ng/ul#	1
8) Bis(2-Chloroethyl)ether	7.42	93	859962	191.57	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.54	45	16003	3.00	ng/ul#	59
14) Acetophenone	8.81	105	105599	14.71	ng/ul#	32
15) N-Nitroso-di-n-propylamine	8.79	70	4289	1.16	ng/ul#	1
17) Hexachloroethane	9.11	117	42572	23.44	ng/ul#	10
20) Nitrobenzene	9.20	77	6257	1.10	ng/ul#	20
21) Isophorone	9.72	82	26373	2.28	ng/ul#	88
25) Bis(2-Chloroethoxy)methane	10.22	93	14438	2.12	ng/ul#	1
28) Naphthalene	10.86	128	307014	18.66	ng/ul	98
32) Caprolactam	11.69	113	33859	15.93	ng/ul#	19
34) 2-Methylnaphthalene	12.46	142	24678	2.03	ng/ul	88
35) 1-Methylnaphthalene	12.68	142	19912	1.71	ng/ul#	92
57) Diethylphthalate	15.44	149	23751	1.13	ng/ul#	92
84) Bis(2-ethylhexyl)phthalate	21.52	149	76688	4.23	ng/ul	98

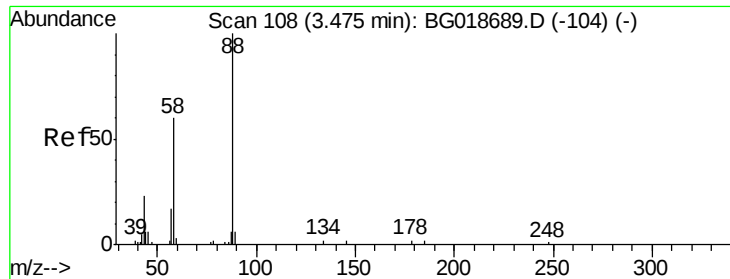
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 19.71 ng/uL

RT: 3.48 min Scan# 109

Delta R.T. 0.00 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Instrument :

BNA_G

ClientSampled :

B0AN0

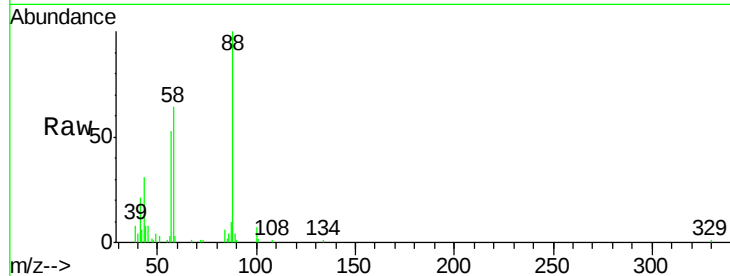
Tot Ion: 88 Resp: 31379

Ion Ratio Lower Upper

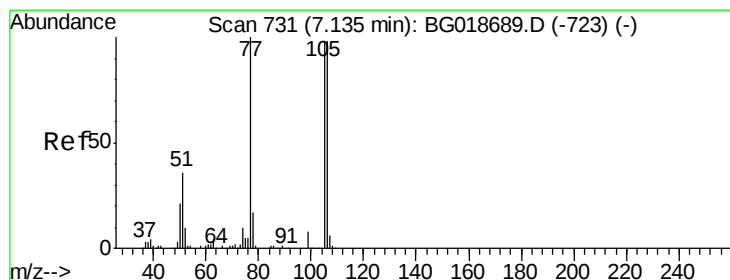
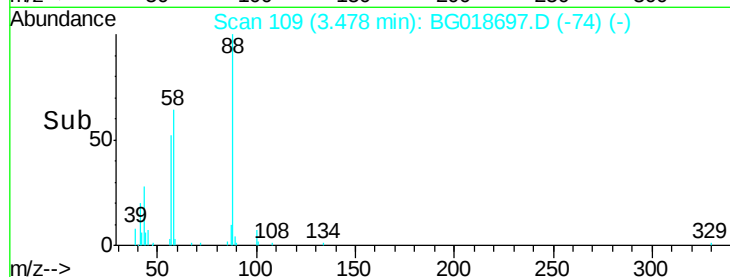
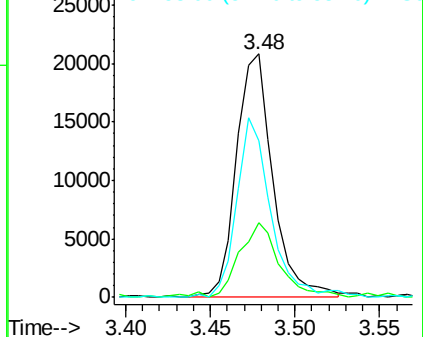
88 100

43 30.9 33.0 49.4#

58 64.1 73.4 110.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 43.00 (42.70 to 43.70): BGC
Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 2.83 ng/uL

RT: 7.16 min Scan# 735

Delta R.T. 0.02 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

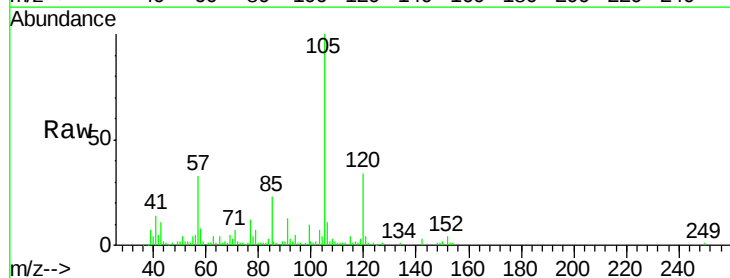
Tgt Ion: 77 Resp: 9525

Ion Ratio Lower Upper

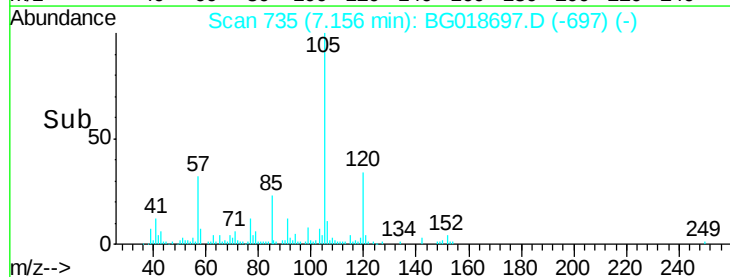
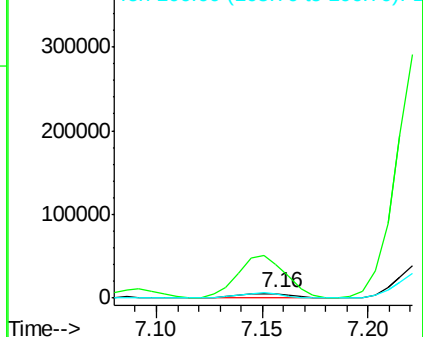
77 100

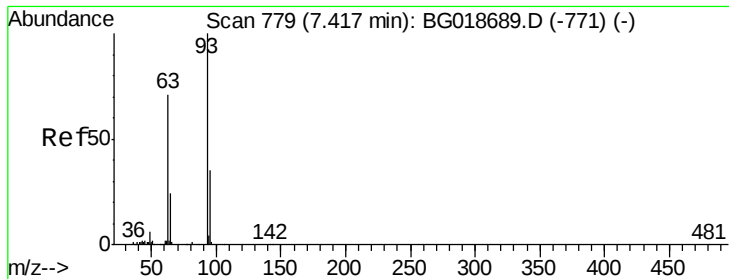
105 808.2 78.2 117.2#

106 92.6 76.8 115.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#8

Bis(2-Chloroethyl)ether

Concen: 191.57 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Instrument :

BNA_G

ClientSampleId :

B0AN0

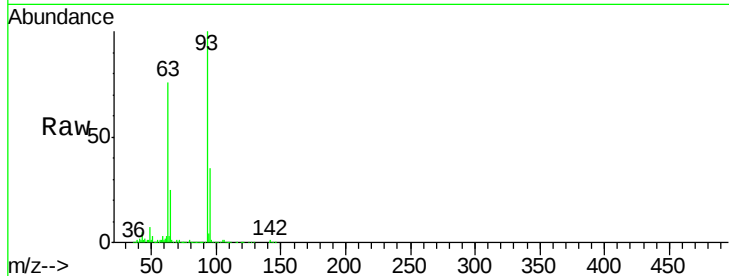
Tot Ion: 93 Resp: 859962

Ion Ratio Lower Upper

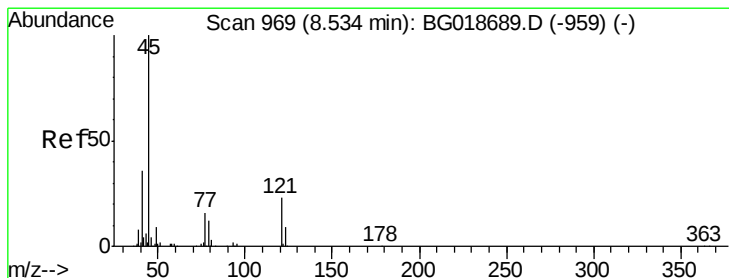
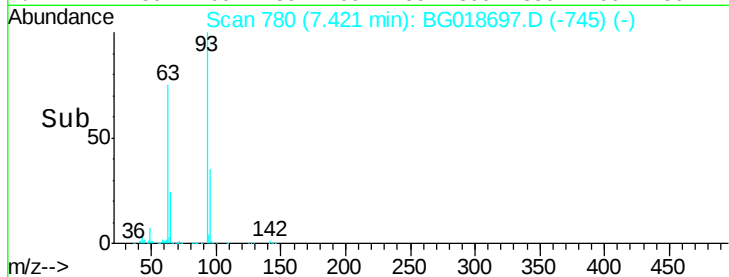
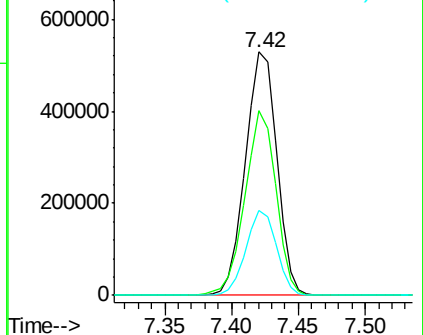
93 100

63 76.1 61.4 92.2

95 34.7 25.9 38.9



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

2,2'-oxybis(1-Chloropropane)

Concen: 3.00 ng/ul

RT: 8.54 min Scan# 971

Delta R.T. 0.01 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

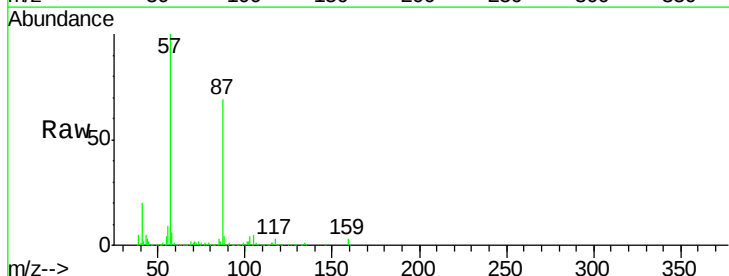
Tgt Ion: 45 Resp: 16003

Ion Ratio Lower Upper

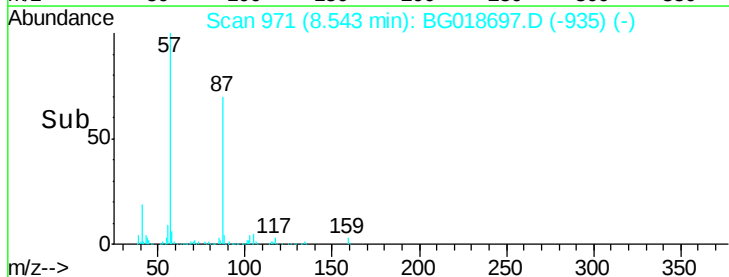
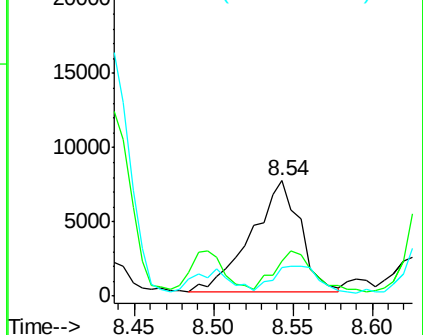
45 100

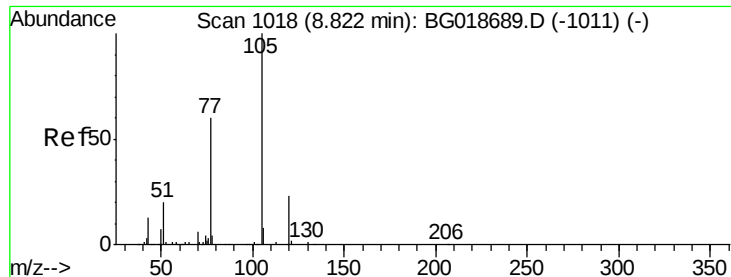
77 30.8 11.3 16.9#

79 24.9 7.8 11.8#



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#14

Acetophenone

Concen: 14.71 ng/ul

RT: 8.81 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Instrument :

BNA_G

ClientSampleId :

B0AN0

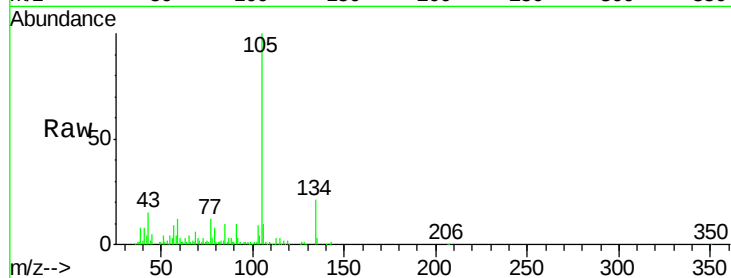
Tot Ion:105 Resp: 105599

Ion Ratio Lower Upper

105 100

77 12.3 61.9 92.9#

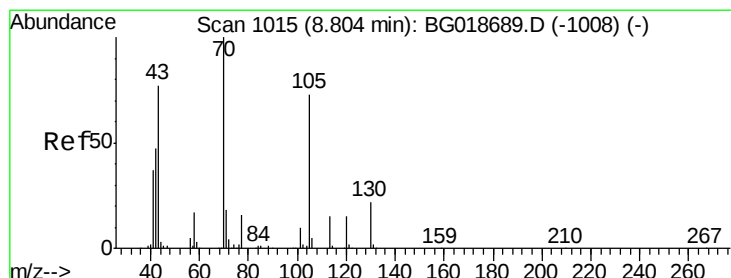
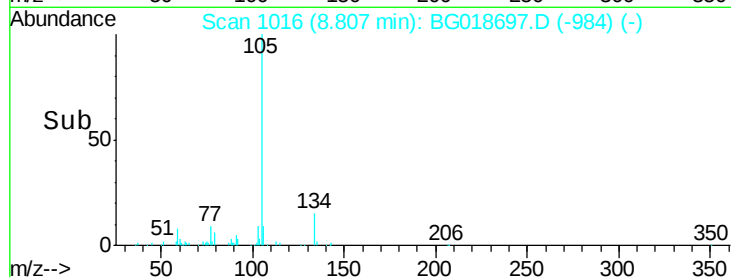
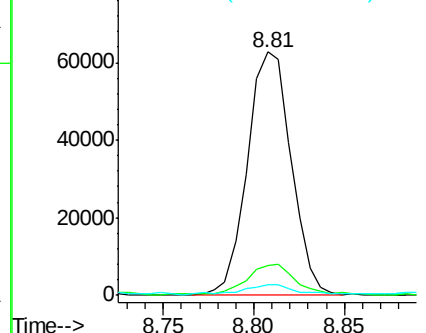
51 4.2 25.5 38.3#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#15

N-Nitroso-di-n-propylamine

Concen: 1.16 ng/ul

RT: 8.79 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Tgt Ion: 70 Resp: 4289

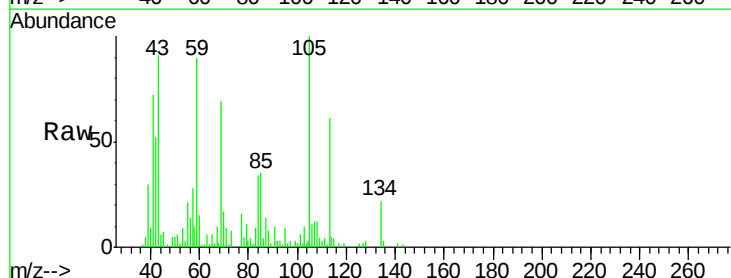
Ion Ratio Lower Upper

70 100

42 296.1 50.7 76.1#

101 33.5 7.4 11.2#

130 0.0 15.8 23.6#

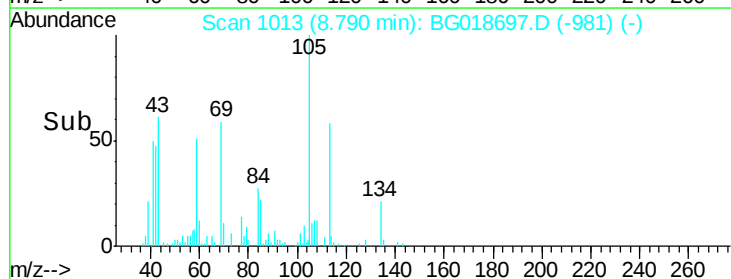
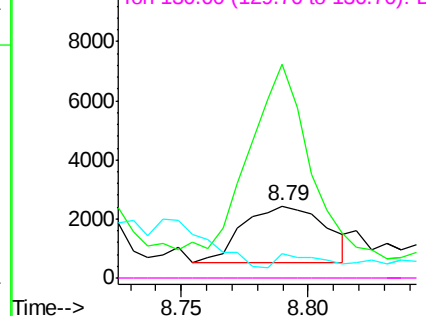


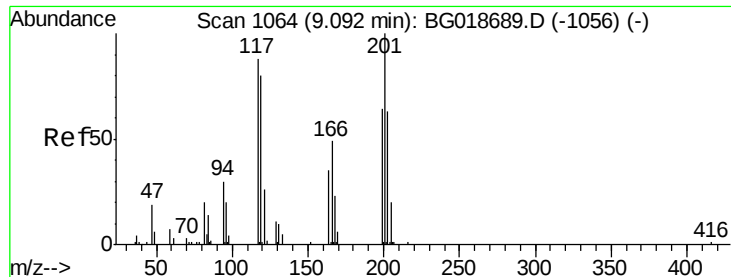
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#17

Hexachloroethane

Concen: 23.44 ng/ul

RT: 9.11 min Scan# 1067

Delta R.T. 0.02 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Instrument :

BNA_G

ClientSampleId :

B0AN0

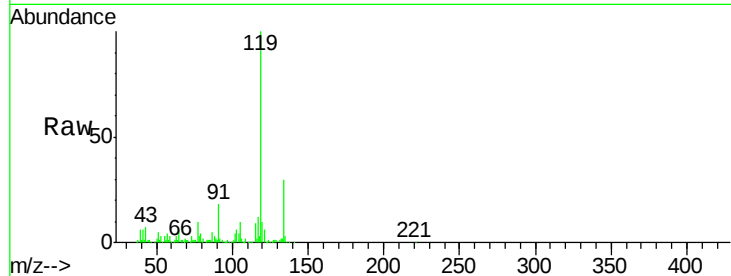
Tot Ion:117 Resp: 42572

Ion Ratio Lower Upper

117 100

201 0.0 73.6 110.4#

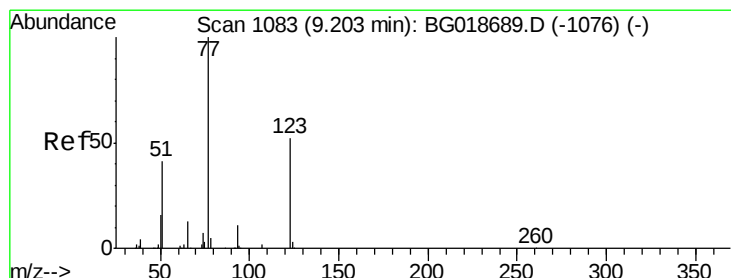
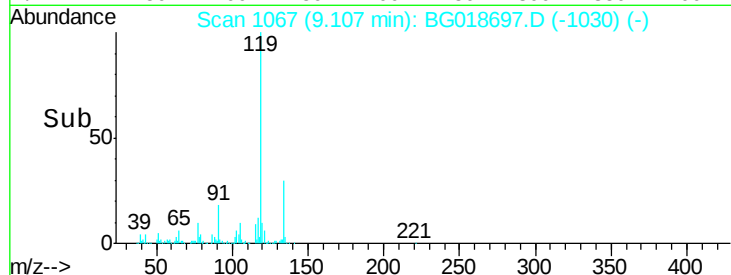
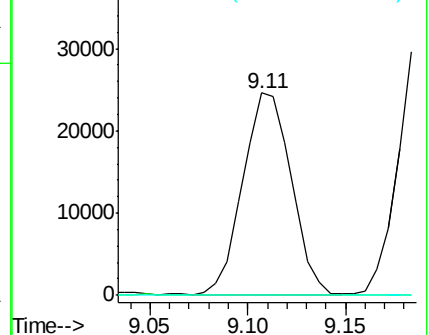
199 0.0 48.6 72.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 1.10 ng/ul

RT: 9.20 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

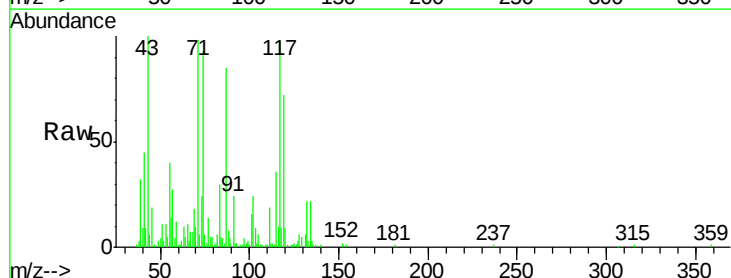
Tgt Ion: 77 Resp: 6257

Ion Ratio Lower Upper

77 100

123 5.3 32.8 49.2#

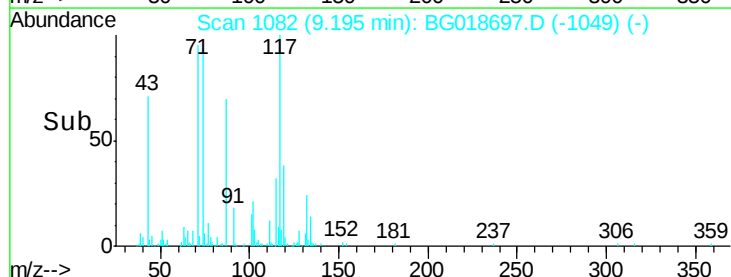
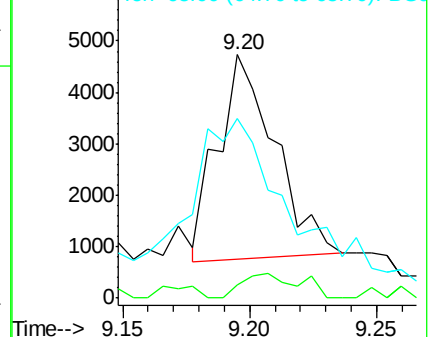
65 73.8 12.2 18.2#

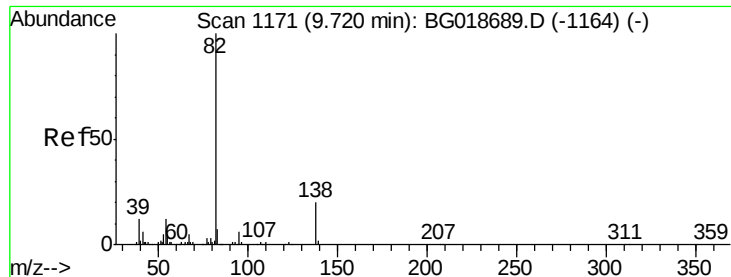


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 2.28 ng/ul

RT: 9.72 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Instrument :

BNA_G

ClientSampleId :

B0AN0

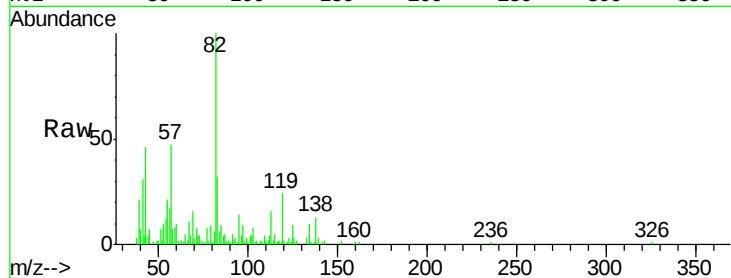
Tot Ion: 82 Resp: 26373

Ion Ratio Lower Upper

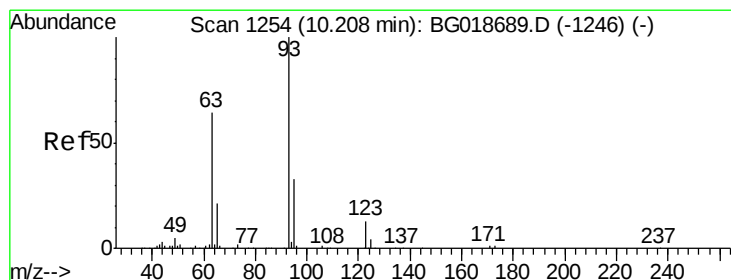
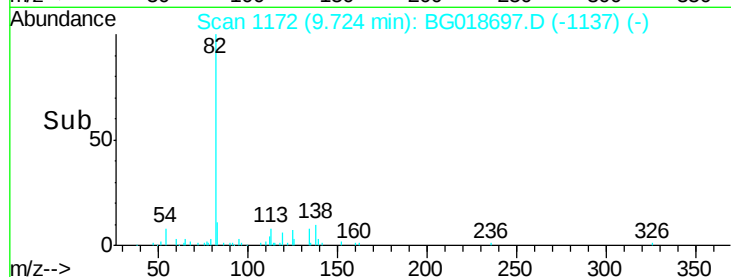
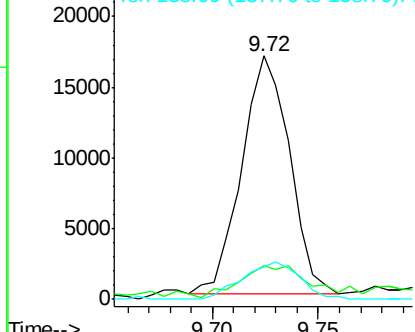
82 100

95 13.7 5.2 7.8#

138 13.3 13.8 20.8#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#25

Bis(2-Chloroethoxy)methane

Concen: 2.12 ng/ul

RT: 10.22 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

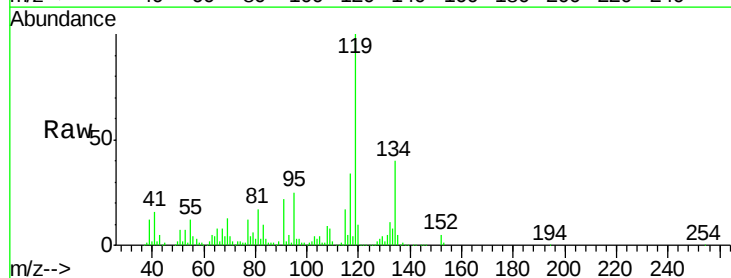
Tgt Ion: 93 Resp: 14438

Ion Ratio Lower Upper

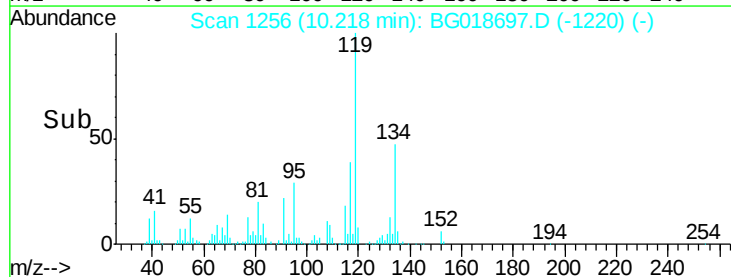
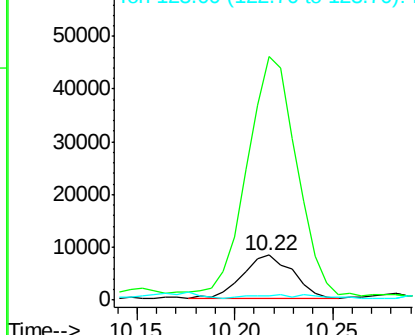
93 100

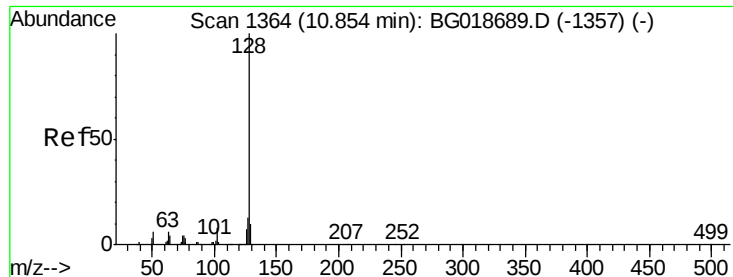
95 544.0 24.1 36.1#

123 9.6 8.9 13.3



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): BGC





#28

Naphthalene

Concen: 18.66 ng/ul

RT: 10.86 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Instrument :

BNA_G

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B0AN0

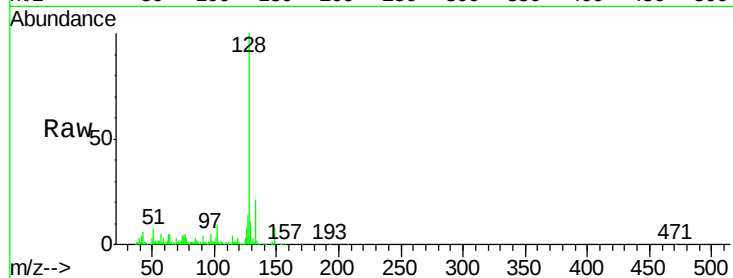
Tot Ion:128 Resp: 307014

Ion Ratio Lower Upper

128 100

129 11.2 9.6 14.4

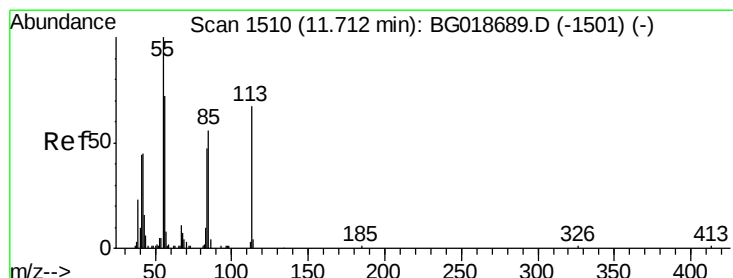
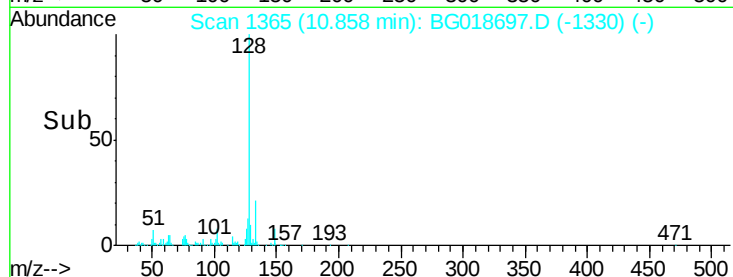
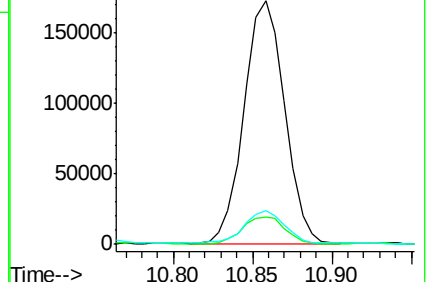
127 13.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Caprolactam

Concen: 15.93 ng/ul

RT: 11.69 min Scan# 1507

Delta R.T. -0.02 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

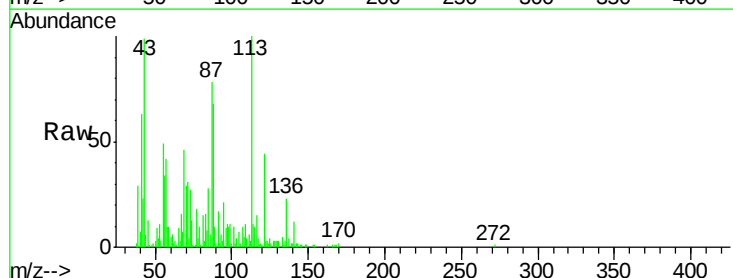
Tgt Ion:113 Resp: 33859

Ion Ratio Lower Upper

113 100

55 48.8 124.2 186.4#

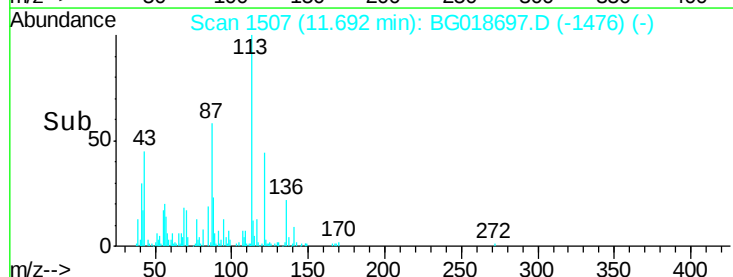
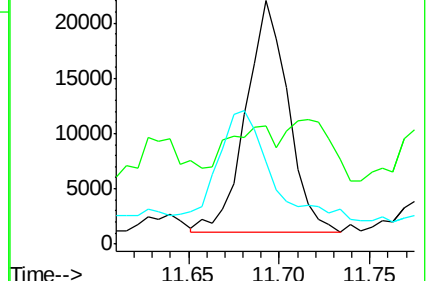
56 34.0 98.2 147.4#

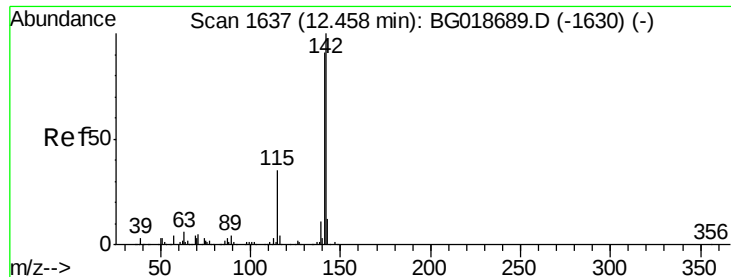


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





#34

2-Methylnaphthalene

Concen: 2.03 ng/ul

RT: 12.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Instrument :

BNA_G

ClientSampleId :

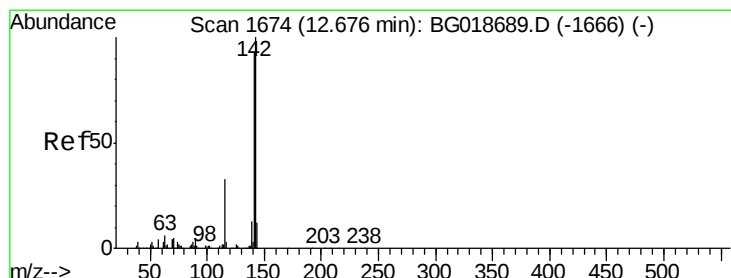
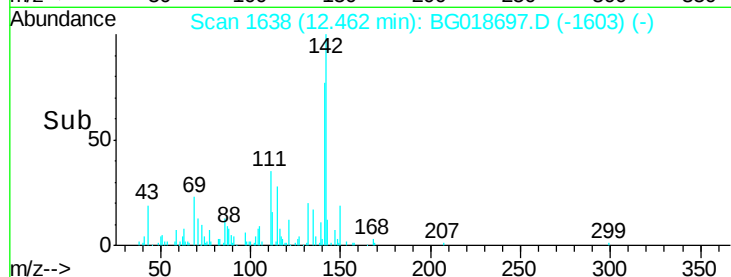
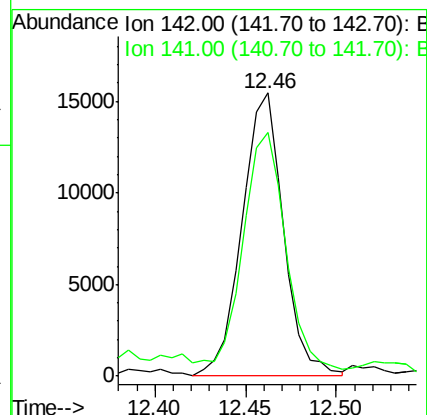
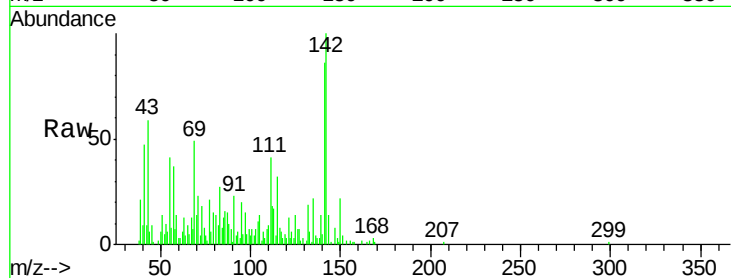
B0AN0

Tot Ion:142 Resp: 24678

Ion Ratio Lower Upper

142 100

141 86.0 78.0 117.0



#35

1-Methylnaphthalene

Concen: 1.71 ng/ul

RT: 12.68 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

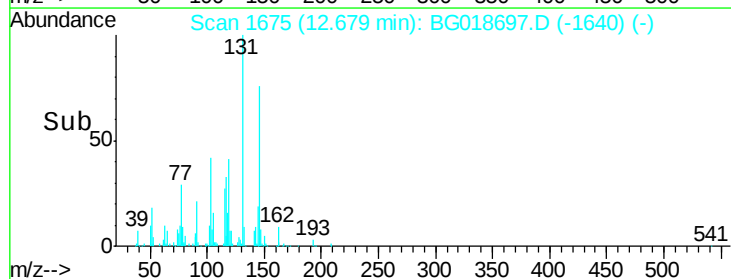
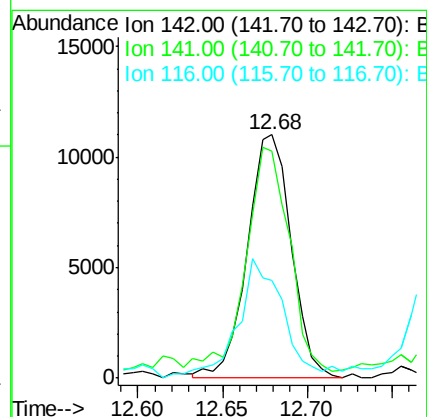
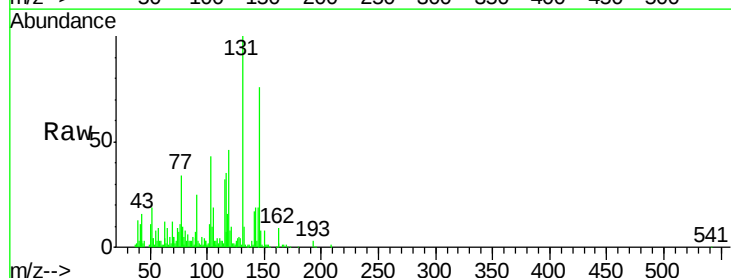
Tgt Ion:142 Resp: 19912

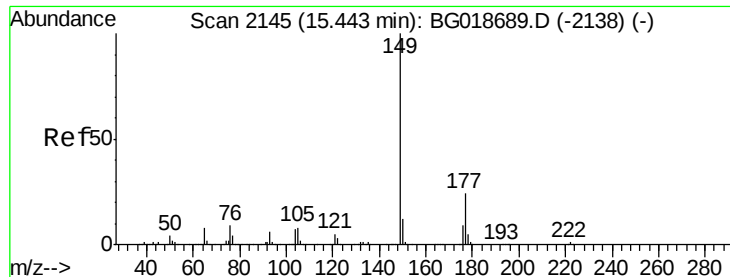
Ion Ratio Lower Upper

142 100

141 93.0 77.1 115.7

116 40.0 3.5 5.3#





#57

Diethylphthalate

Concen: 1.13 ng/ul

RT: 15.44 min Scan# 2145

Delta R.T. -0.00 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

Instrument :

BNA_G

ClientSampleId :

BOANO

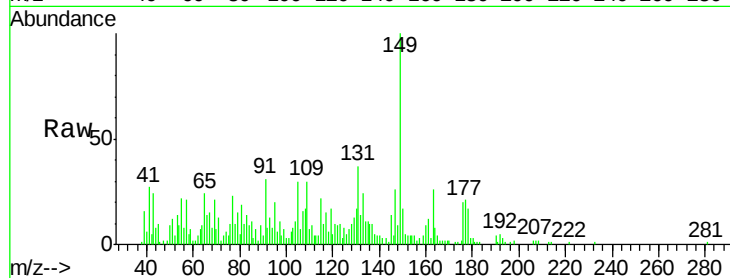
Tot Ion:149 Resp: 23751

Ion Ratio Lower Upper

149 100

177 20.5 18.2 27.4

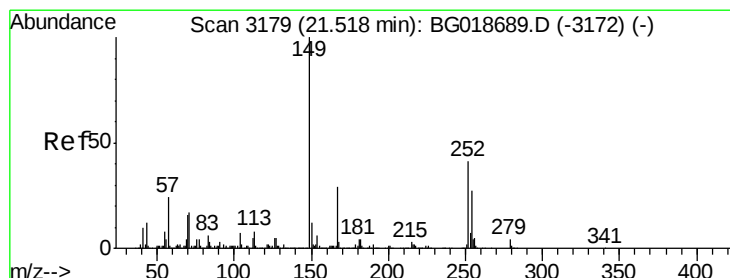
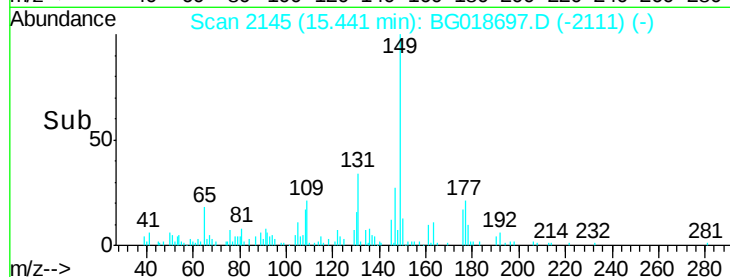
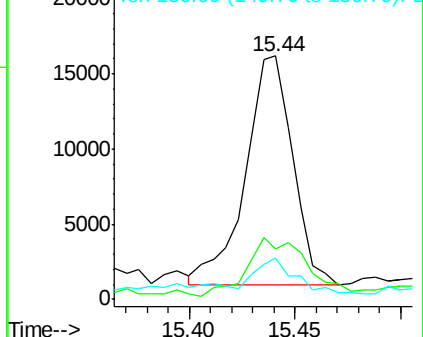
150 17.2 9.7 14.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.23 ng/ul

RT: 21.52 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG018697.D

Acq: 16 Sep 2015 00:07

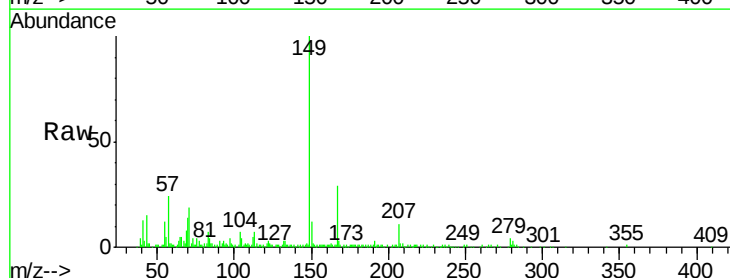
Tgt Ion:149 Resp: 76688

Ion Ratio Lower Upper

149 100

167 28.9 22.2 33.2

279 3.9 2.8 4.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

