

Data File : H:\VOL1\GCMSDATA\L\120216\BL000570.D
 Acq On : 16 Feb 2012 16:32
 Sample : D1393-01MSD
 Misc : SOIL BNA L HLM
 MS Integration Params: rteint.p
 Quant Time: Feb 17 10:21 2012

Vial: 7
 Operator: HLM
 Inst : BNA L
 Multiplr: 1.00

Quant Results File: BL021512.RES

Quant Method : H:\VOL1\GCMSDATA\L\METHODS\BL021512.M (RTE Integrator)
 Title : CWA degradation products by GCMS
 Last Update : Fri Feb 17 10:01:50 2012
 Response via : Initial Calibration
 DataAcq Meth : CWAL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	763359	2.00	ug/mL	0.06
6) Naphthalene-d8	7.10	136	2714550	2.00	ug/mL	0.02

System Monitoring Compounds

10) Tripropylphosphate	8.12	99	468312m	0.61	ug/mL	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery	=	122.00%	
12) 2-Bromothioanisole	8.41	204	865792	4.98	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	99.60%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dimethyl Disulfide	3.90	94	1536390m	3.47	ug/mL	
3) DMMP	0.00	79	0	N.D.	d	
4) DIMP	6.00	97	1236759	2.03	ug/mL	85
5) 1,4-Oxathiane	0.00	46	0	N.D.	d	
7) 1,4-Dithiane	6.27	46	1443822	5.62	ug/mL#	62
8) Thiodiglycol	7.01	61	2448963m	12.86	ug/mL	
9) Benzothiazole	7.40	135	5926461	16.00	ug/mL#	55
11) p-Chlorophenylmethyldisulfide	7.62	158	4228596	10.22	ug/mL	79
13) p-Chlorophenylmethyldisulfox	9.12	159	2650795	14.86	ug/mL	98
14) p-Chlorophenylmethyldisulfon	9.32	111	2824154	10.87	ug/mL#	85

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Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 17 10:21 2012

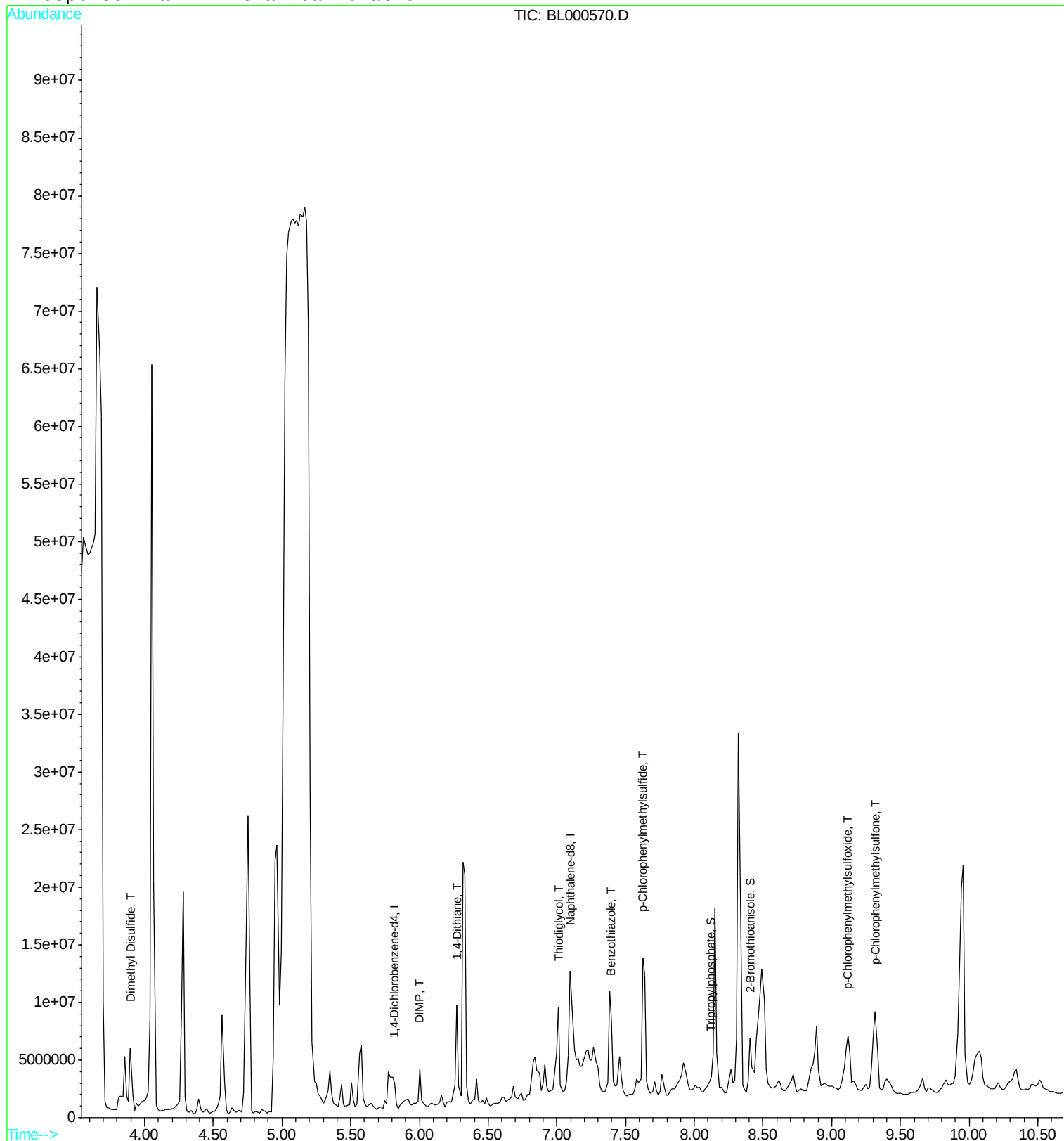
Quant Results File: BL021512.RES

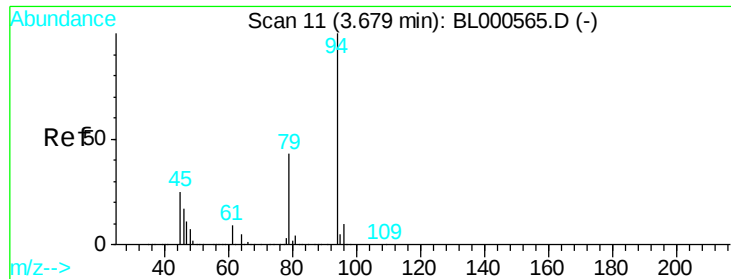
Method : H:\VOL1\GCMSDATA\L\METHODS\BL021512.M (RTE Integrator)

Title : CWA degradation products by GCMS

Last Update : Fri Feb 17 10:16:01 2012

Response via : Initial Calibration





#2

Dimethyl Disulfide

Concen: 3.47 ug/mL m

RT: 3.90 min Scan# 26

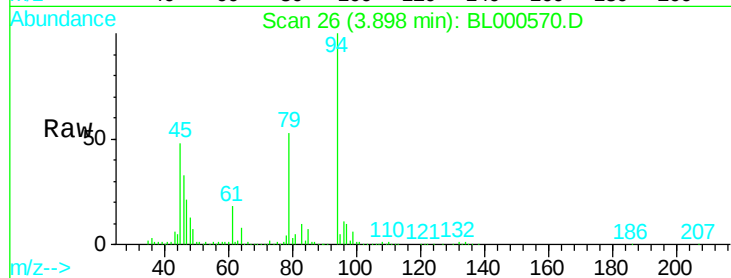
Delta R.T. 0.22 min

Lab File: BL000570.D

Acq: 16 Feb 2012 16:32

Tgt Ion: 94 Resp: 1536390

Ion	Ratio	Lower	Upper
94	100		
45	48.4	4.8	44.8#
79	52.6	22.7	62.7

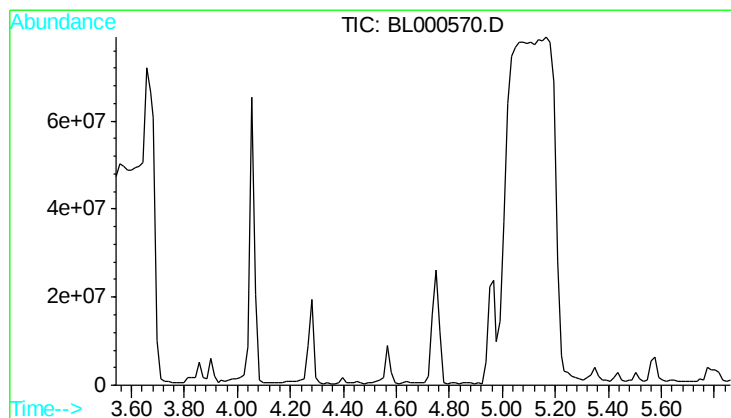
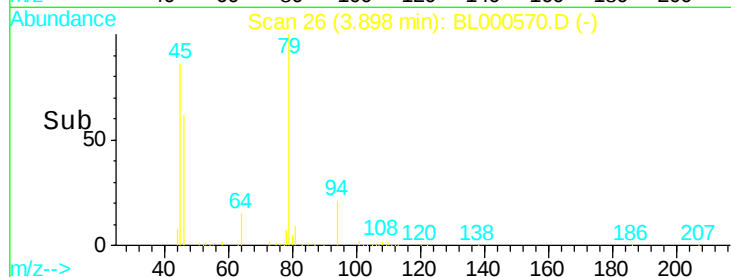
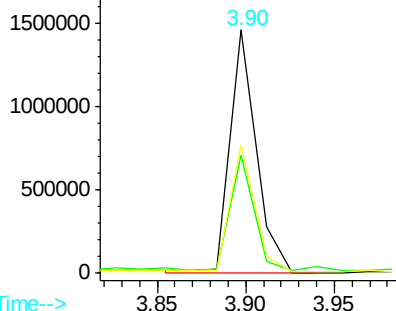


Abundance

Ion 94.00 (93.70 to 94.70): BL0

Ion 45.00 (44.70 to 45.70): BL0

Ion 79.00 (78.70 to 79.70): BL0



#3

DMMP

Concen: 0.04 ug/mL

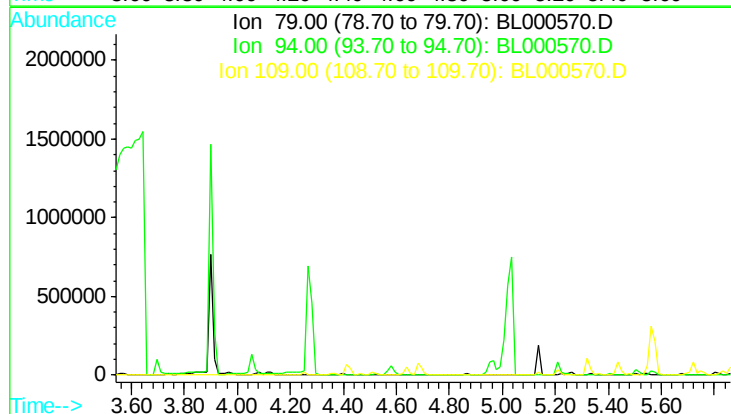
Expected RT: 4.56 min

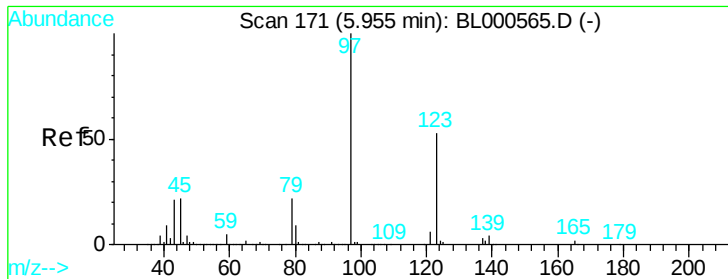
Lab File: BL000570.D

Acq: 16 Feb 2012 16:32

Tgt Ion: 79

Sig	Exp Ratio
79	100
94	130.0
109	57.7





#4

DIMP

Concen: 2.03 ug/mL

RT: 6.00 min Scan# 174

Delta R.T. 0.05 min

Lab File: BL000570.D

Acq: 16 Feb 2012 16:32

Tgt Ion: 97 Resp: 1236759

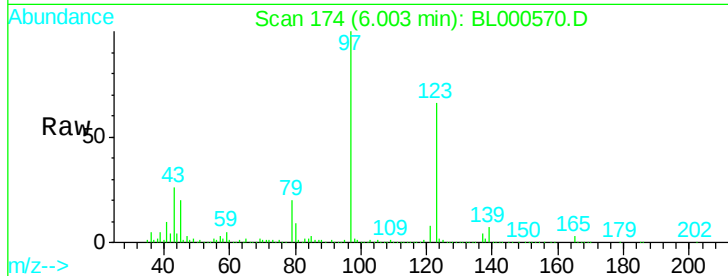
Ion Ratio Lower Upper

97 100

123 66.1 33.3 73.3

43 26.4 0.8 40.8

41 10.3 0.0 29.2

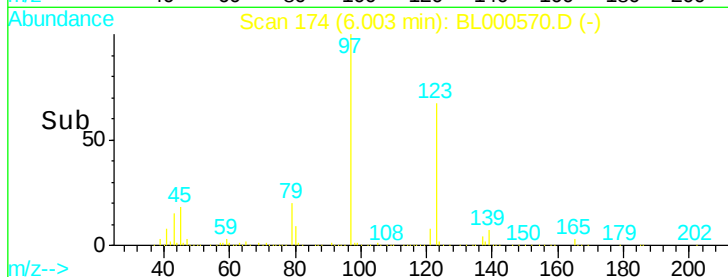


Abundance Ion 97.00 (96.70 to 97.70): BL0

Ion 123.00 (122.70 to 123.70): BL0

Ion 43.00 (42.70 to 43.70): BL0

Ion 41.00 (40.70 to 41.70): BL0



Abundance

Ion 97.00 (96.70 to 97.70): BL0

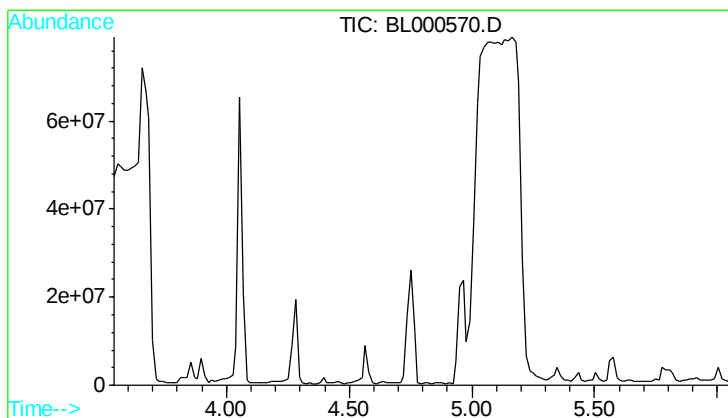
Ion 123.00 (122.70 to 123.70): BL0

Ion 43.00 (42.70 to 43.70): BL0

Ion 41.00 (40.70 to 41.70): BL0

Time-->

Time-->



#5

1,4-Oxathiane

Concen: 0.00 ug/mL

Expected RT: 4.75 min

Lab File: BL000570.D

Acq: 16 Feb 2012 16:32

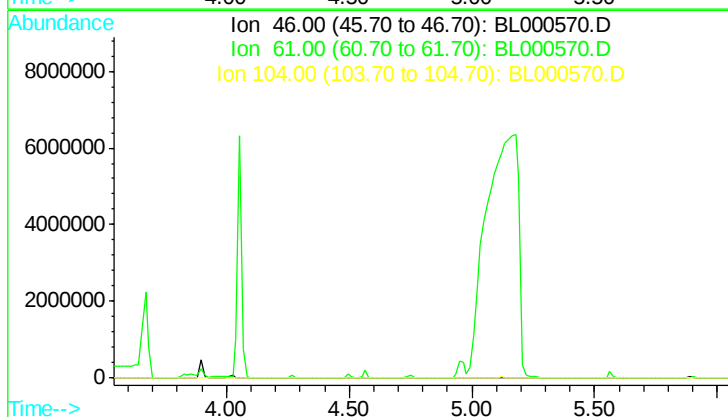
Tgt Ion: 46

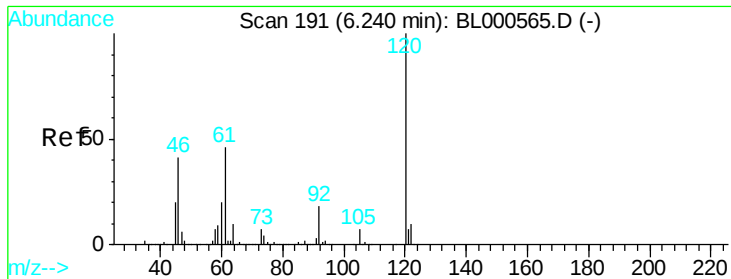
Sig Exp Ratio

46 100

61 40.5

104 30.5





#7

1,4-Dithiane

Concen: 5.62 ug/mL

RT: 6.27 min Scan# 193

Delta R.T. 0.03 min

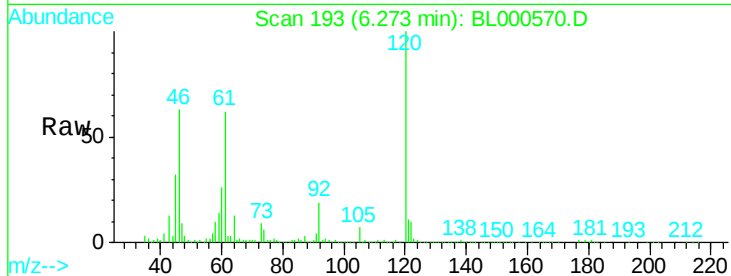
Lab File: BL000570.D

Acq: 16 Feb 2012 16:32

Tgt Ion: 46 Resp: 1443822

Ion Ratio Lower Upper

46	100		
61	99.3	92.6	132.6
120	159.1	223.6	263.6#

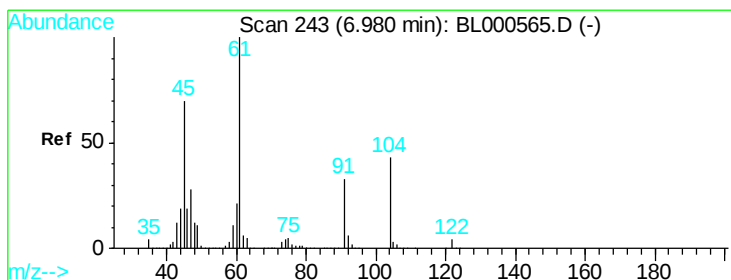
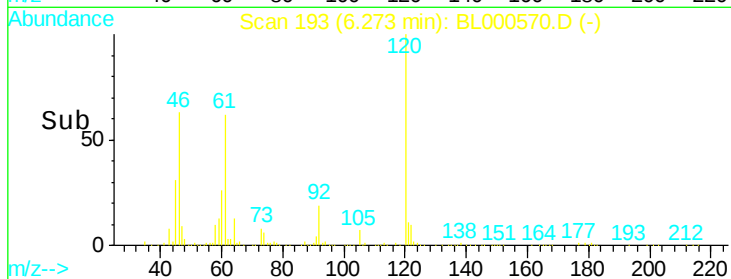
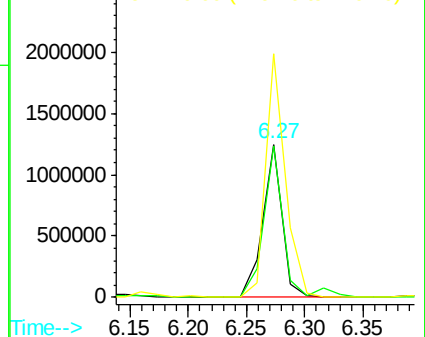


Abundance

Ion 46.00 (45.70 to 46.70): BL0

Ion 61.00 (60.70 to 61.70): BL0

Ion 120.00 (119.70 to 120.70): BL0



#8

Thiodiglycol

Concen: 12.86 ug/mL m

RT: 7.01 min Scan# 245

Delta R.T. 0.03 min

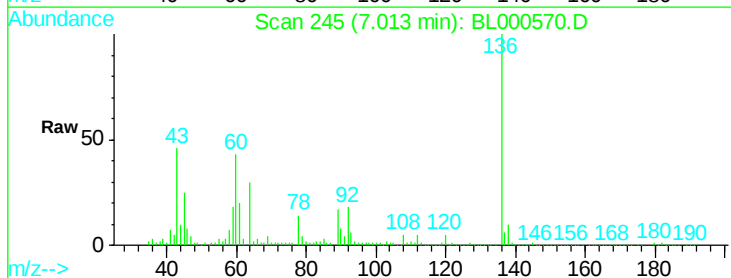
Lab File: BL000570.D

Acq: 16 Feb 2012 16:32

Tgt Ion: 61 Resp: 2448963

Ion Ratio Lower Upper

61	100		
45	127.0	49.8	89.8#
47	21.2	7.9	47.9

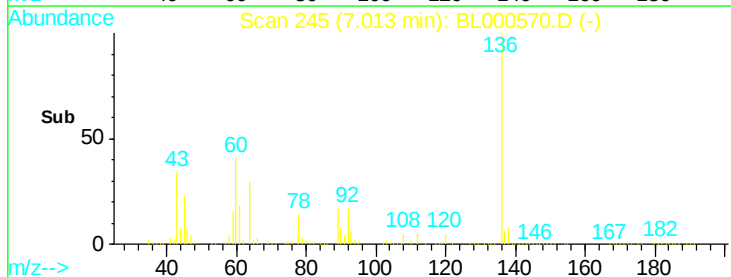
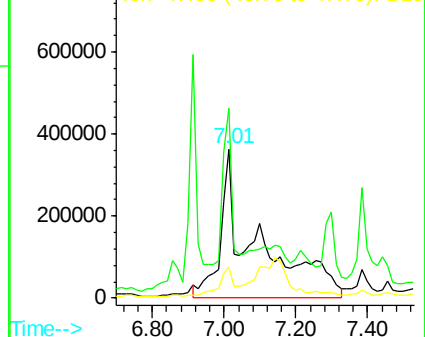


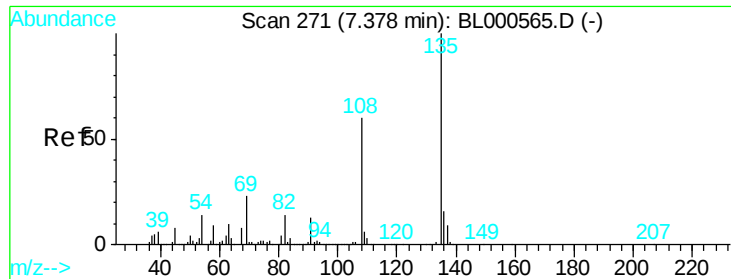
Abundance

Ion 61.00 (60.70 to 61.70): BL0

Ion 45.00 (44.70 to 45.70): BL0

Ion 47.00 (46.70 to 47.70): BL0





#9

Benzothiazole

Concen: 16.00 ug/mL

RT: 7.40 min Scan# 272

Delta R.T. 0.02 min

Lab File: BL000570.D

Acq: 16 Feb 2012 16:32

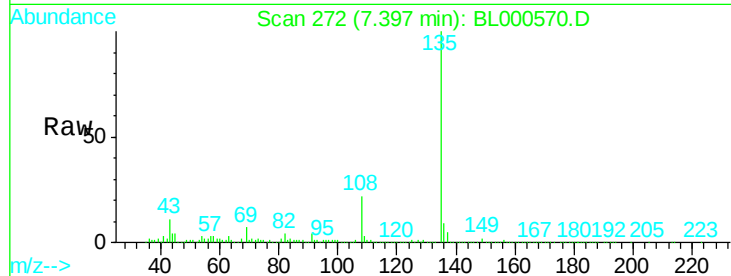
Tgt Ion:135 Resp: 5926461

Ion Ratio Lower Upper

135 100

108 22.4 40.1 80.1#

69 7.2 3.2 43.2

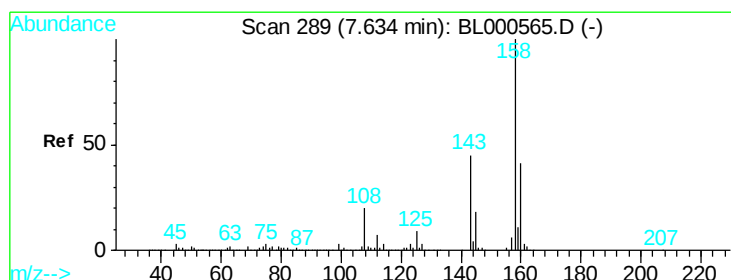
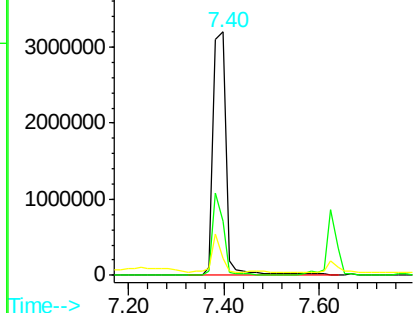
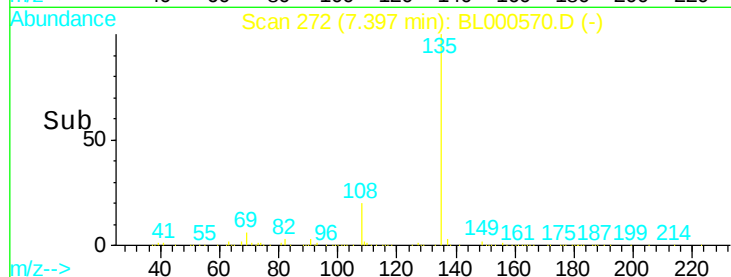


Abundance

Ion 135.00 (134.70 to 135.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 69.00 (68.70 to 69.70): BL0



#11

p-Chlorophenylmethylsulfide

Concen: 10.22 ug/mL

RT: 7.62 min Scan# 288

Delta R.T. -0.01 min

Lab File: BL000570.D

Acq: 16 Feb 2012 16:32

Tgt Ion:158 Resp: 4228596

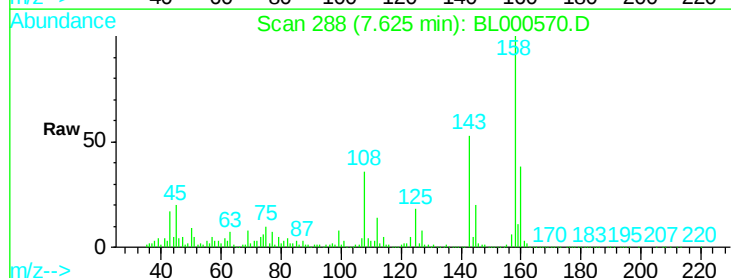
Ion Ratio Lower Upper

158 100

143 53.2 25.2 65.2

108 36.0 0.2 40.2

45 19.6 0.0 23.9



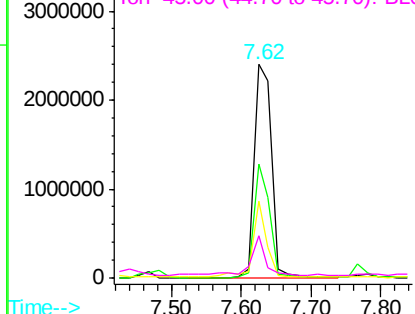
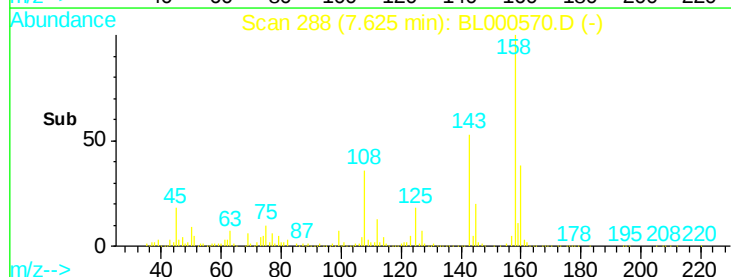
Abundance

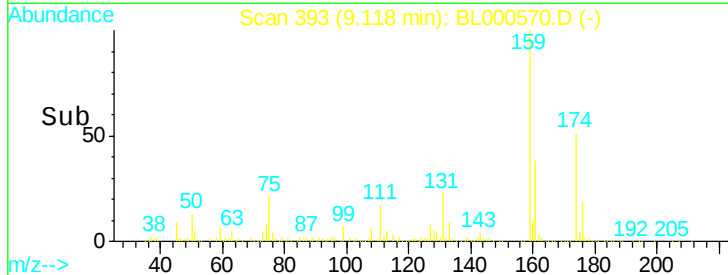
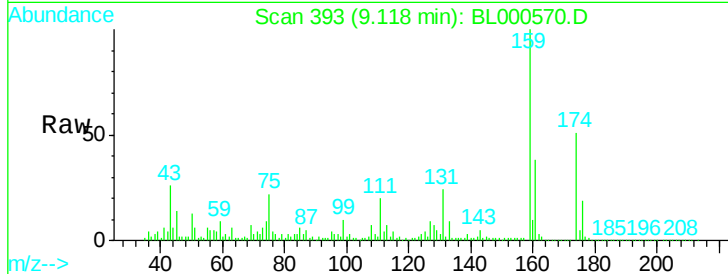
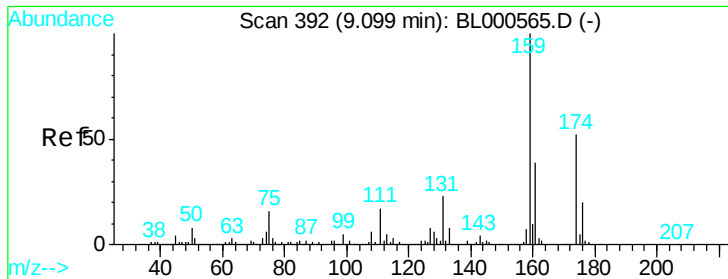
Ion 158.00 (157.70 to 158.70): E

Ion 143.00 (142.70 to 143.70): E

Ion 108.00 (107.70 to 108.70): E

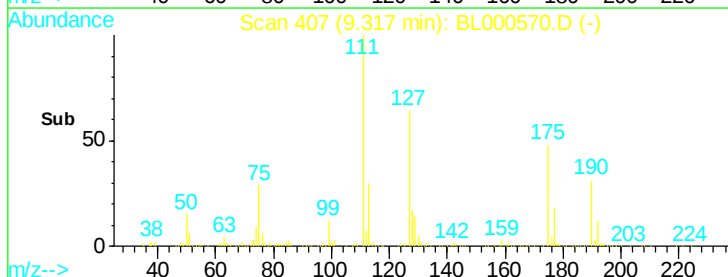
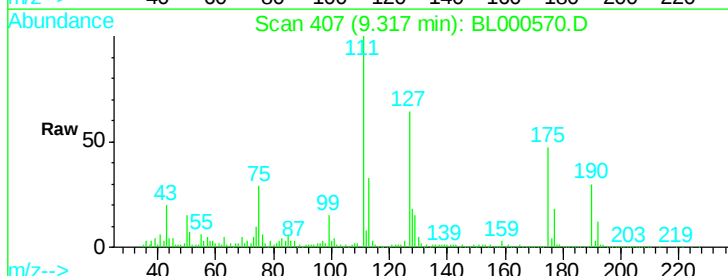
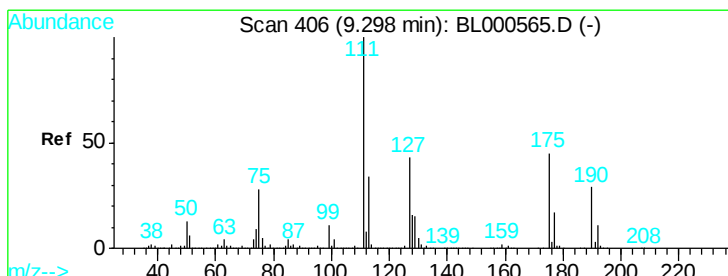
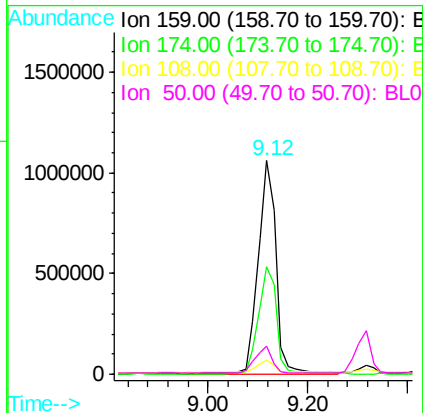
Ion 45.00 (44.70 to 45.70): BL0





#13
p-Chlorophenylmethylsulfoxide
Concen: 14.86 ug/mL
RT: 9.12 min Scan# 393
Delta R.T. 0.02 min
Lab File: BL000570.D
Acq: 16 Feb 2012 16:32

Tgt Ion:159 Resp: 2650795
Ion Ratio Lower Upper
159 100
174 52.4 30.8 70.8
108 5.3 0.0 27.0
50 12.4 0.0 32.6



#14
p-Chlorophenylmethylsulfone
Concen: 10.87 ug/mL
RT: 9.32 min Scan# 407
Delta R.T. 0.02 min
Lab File: BL000570.D
Acq: 16 Feb 2012 16:32

Tgt Ion:111 Resp: 2824154
Ion Ratio Lower Upper
111 100
75 28.6 8.0 48.0
127 64.4 23.3 63.3#
190 30.3 8.7 48.7

