

Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ112712\
 Data File : BJ001290.D
 Acq On : 27 Nov 2012 13:07
 Operator : HLM
 Sample : CWA-6
 Misc : CWA STD BNA_J HLM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_J
 LabSampleId :
 CWA-6

Manual Integrations
 APPROVED

AHPatel
 12/5/2012 3:22:56 AM

Quant Time: Dec 05 03:15:09 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ112712.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Tue Nov 27 14:23:24 2012
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.22	152	280827m	2.00	ug/mL	-0.13
6) Naphthalene-d8	5.63	136	975974m	2.00	ug/mL	0.01

System Monitoring Compounds

10) Tripropylphosphate	6.70	99	5766026m	12.20	ug/mL	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	2440.00%#
12) 2-Bromothioanisole	6.91	204	4520145m	59.13	ug/mL	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	1182.60%#

Target Compounds

						Qvalue
2) Dimethyl Disulfide	2.20	94	2585850m	25.59	ug/mL	
3) DMMP	3.30	79	1423908	12.68	ug/mL	93
4) DIMP	4.47	97	3224372m	11.62	ug/mL	
5) 1,4-Oxathiane	3.40	46	3668531	33.71	ug/mL	99
7) 1,4-Dithiane	4.62	46	3259952m	44.05	ug/mL	
8) Thiodiglycol	5.41	61	23113712m	258.85	ug/mL	
9) Benzothiazole	5.68	135	14187052m	52.24	ug/mL	
11) p-Chlorophenylmethyldisulfid	6.17	158	9100833m	54.19	ug/mL	
13) p-Chlorophenylmethyldisulfox	7.58	159	6776287m	47.25	ug/mL	
14) p-Chlorophenylmethyldisulfon	7.80	111	9986015m	51.92	ug/mL	

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

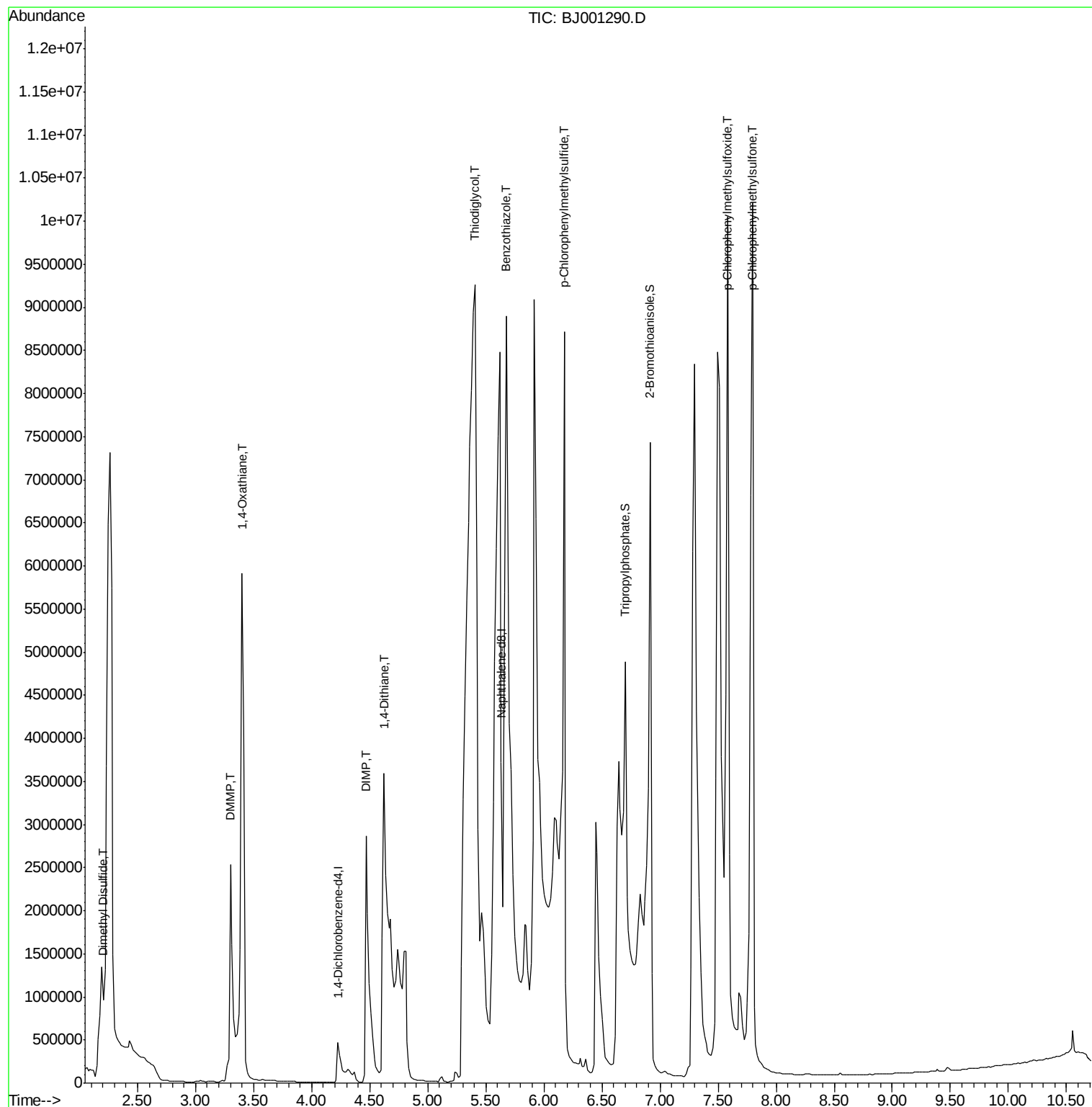
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ112712\
Data File : BJ001290.D
Acq On : 27 Nov 2012 13:07
Operator : HLM
Sample : CWA-6
Misc : CWA STD BNA_J HLM
ALS Vial : 2 Sample Multiplier: 1

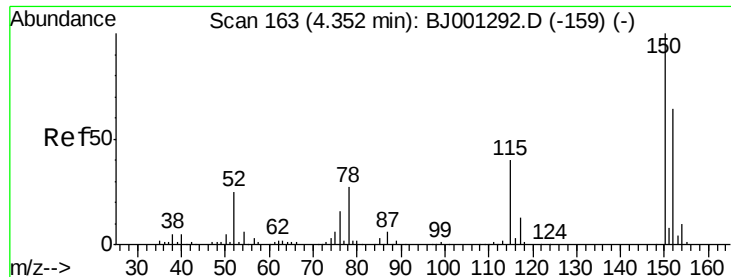
Instrument :
BNA_J
LabSampleId :
CWA-6

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Quant Time: Dec 05 03:15:09 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ112712.M
Quant Title : CWA degradation products by GCMS
QLast Update : Tue Nov 27 14:23:24 2012
Response via : Initial Calibration





#1

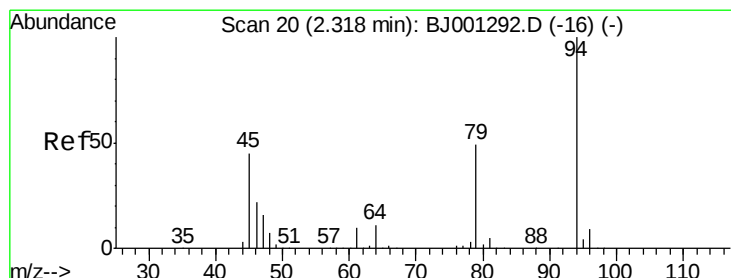
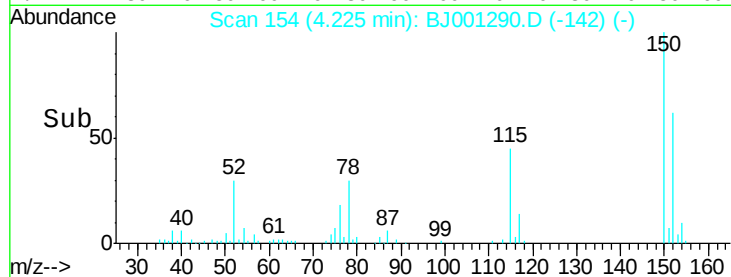
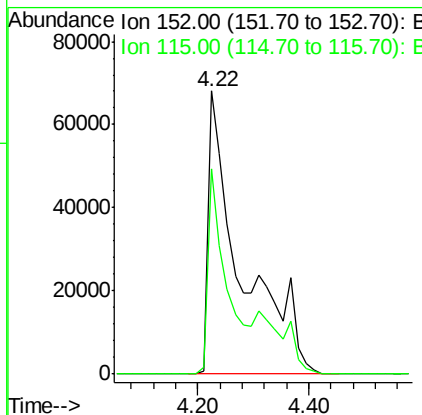
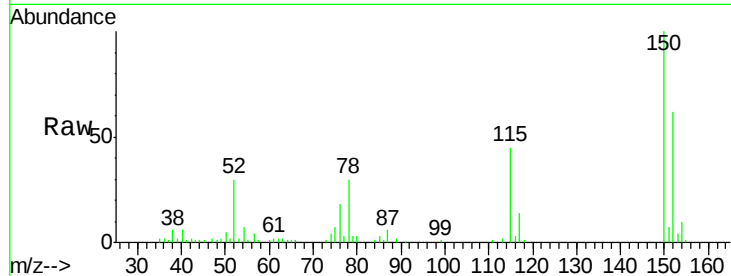
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL m
RT: 4.22 min Scan# 154
Delta R.T. -0.13 min
Lab File: BJ001290.D
Acq: 27 Nov 2012 13:07

Instrument :
BNA_J
LabSampleId :
CWA-6

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	280827		
115	72.7	42.9	82.9	

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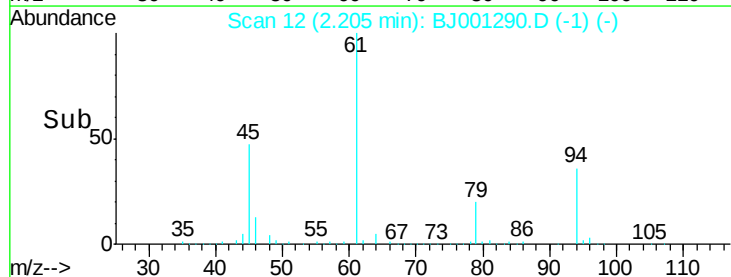
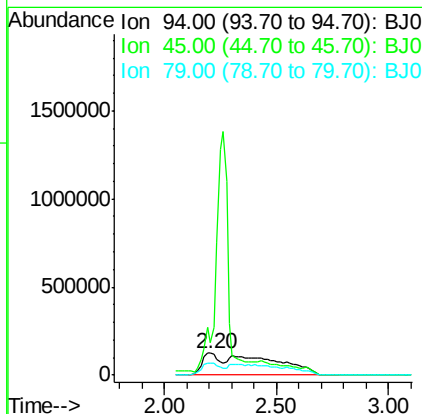
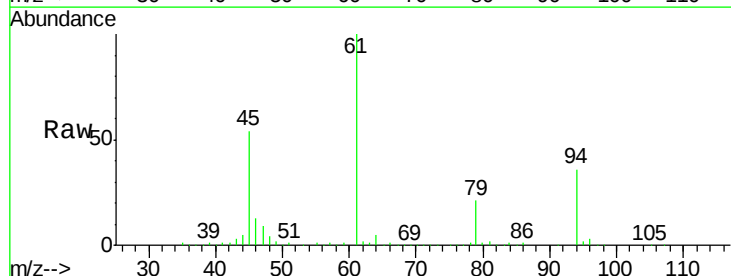
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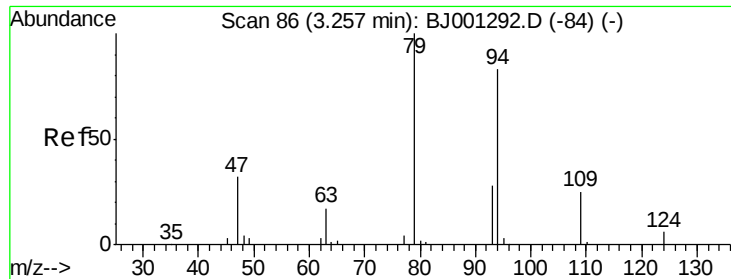


#2

Dimethyl Disulfide
Concen: 25.59 ug/mL m
RT: 2.20 min Scan# 12
Delta R.T. -0.11 min
Lab File: BJ001290.D
Acq: 27 Nov 2012 13:07

Tgt Ion	Ratio	Lower	Upper
94	100		
45	149.2	25.1	65.1#
79	57.4	29.4	69.4





#3

DMMP

Concen: 12.68 ug/mL

RT: 3.30 min Scan# 89

Delta R.T. 0.04 min

Lab File: BJ001290.D

Acq: 27 Nov 2012 13:07

Instrument :

BNA_J

LabSampleId :

CWA-6

Tgt Ion: 79 Resp: 1423908

Ion Ratio Lower Upper

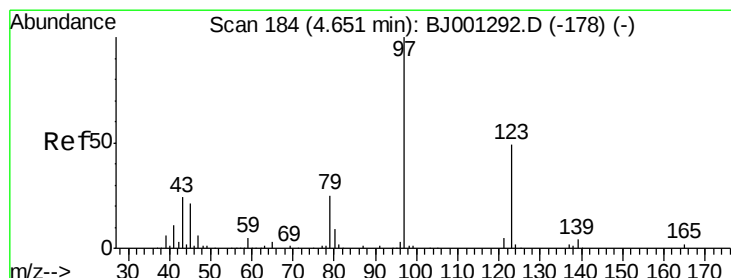
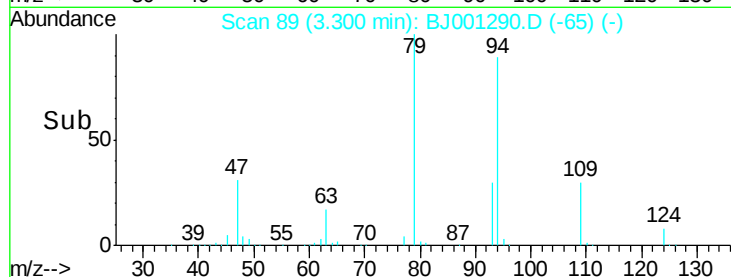
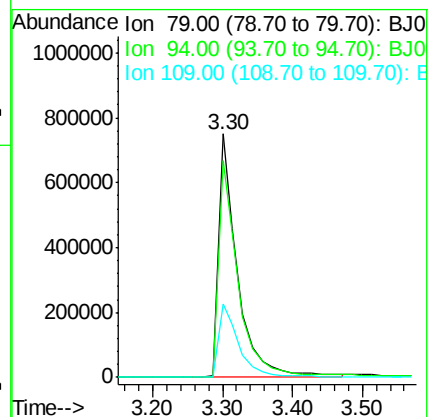
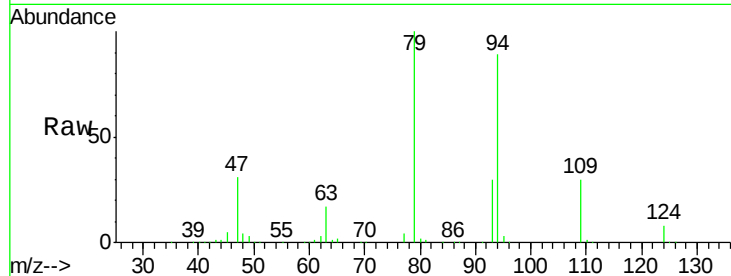
79 100

94 89.1 63.0 103.0

109 30.0 5.3 45.3

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#4

DIMP

Concen: 11.62 ug/mL m

RT: 4.47 min Scan# 171

Delta R.T. -0.18 min

Lab File: BJ001290.D

Acq: 27 Nov 2012 13:07

Tgt Ion: 97 Resp: 3224372

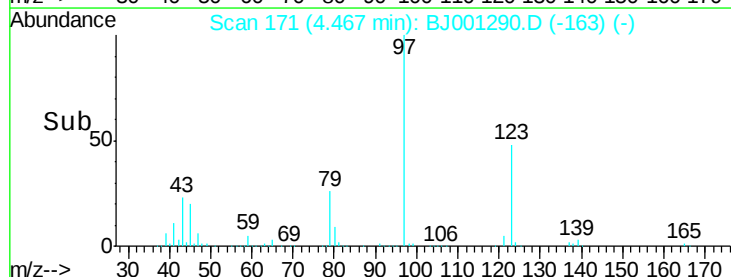
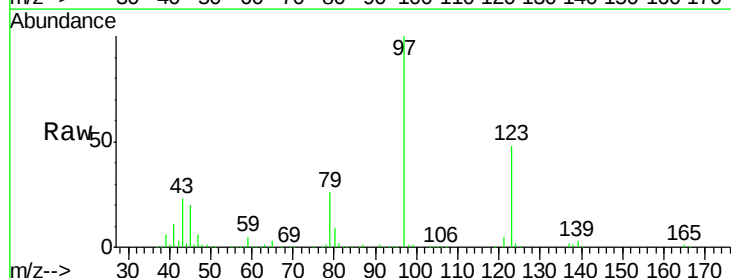
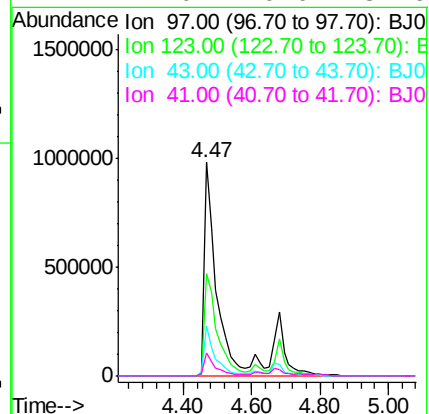
Ion Ratio Lower Upper

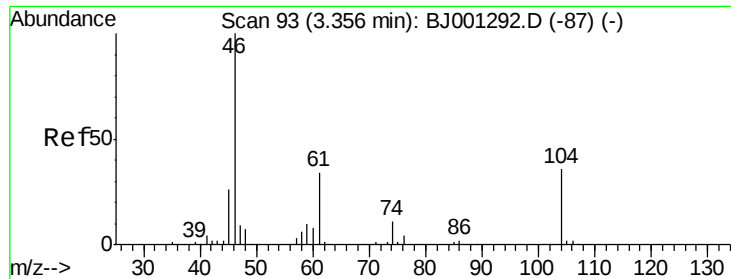
97 100

123 47.9 29.2 69.2

43 23.1 4.0 44.0

41 11.0 0.0 31.6





#5

1,4-Oxathiane

Concen: 33.71 ug/mL

RT: 3.40 min Scan# 96

Delta R.T. 0.04 min

Lab File: BJ001290.D

Acq: 27 Nov 2012 13:07

Instrument :

BNA_J

LabSampleId :

CWA-6

Tgt Ion: 46 Resp: 3668531

Ion Ratio Lower Upper

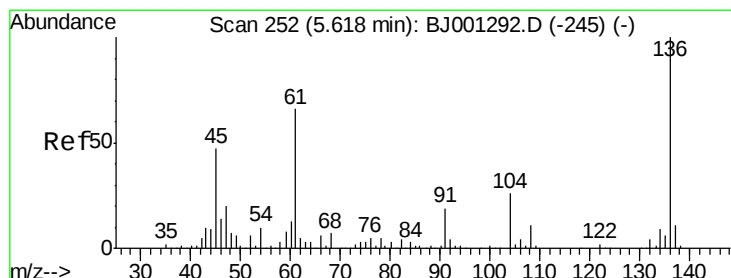
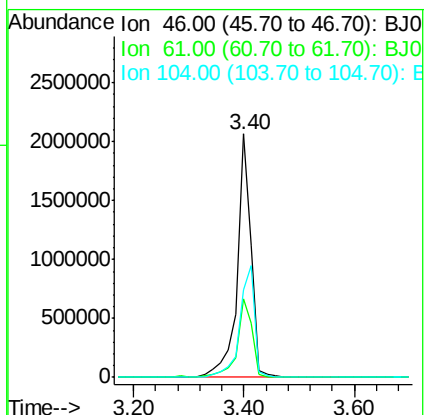
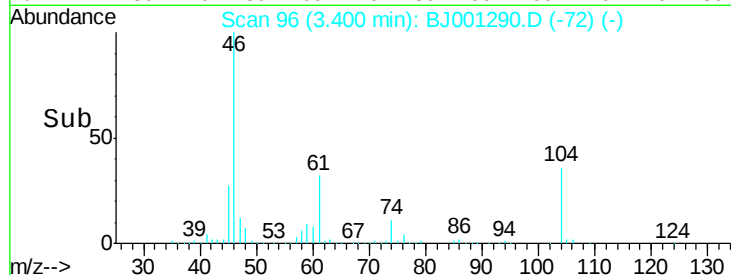
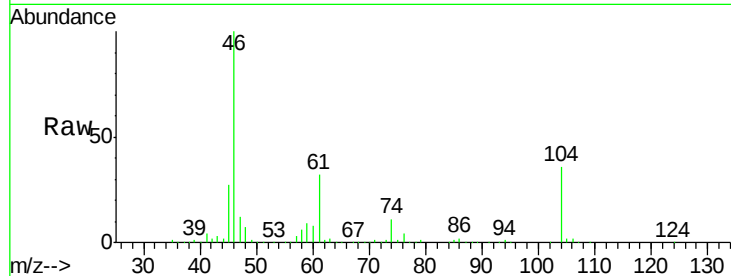
46 100

61 32.1 13.6 53.6

104 36.1 16.0 56.0

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#6

Naphthalene-d8

Concen: 2.00 ug/mL m

RT: 5.63 min Scan# 253

Delta R.T. 0.01 min

Lab File: BJ001290.D

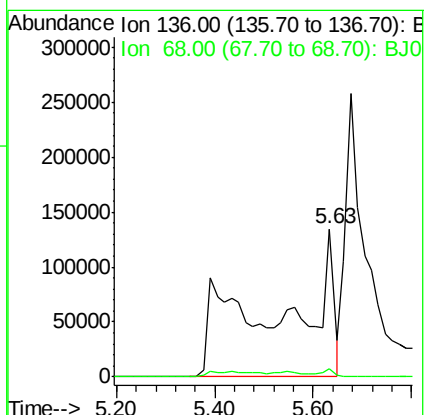
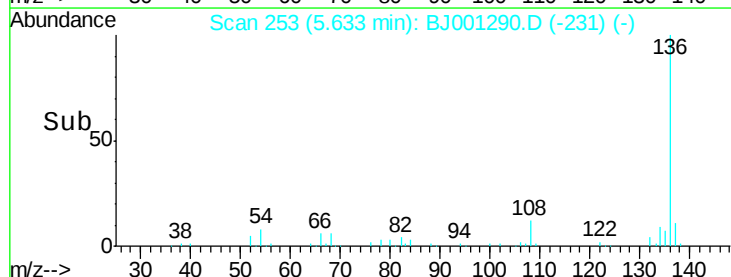
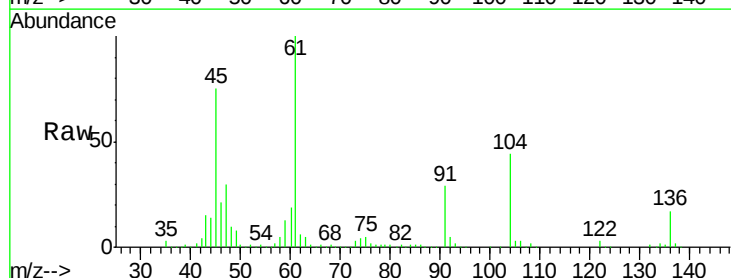
Acq: 27 Nov 2012 13:07

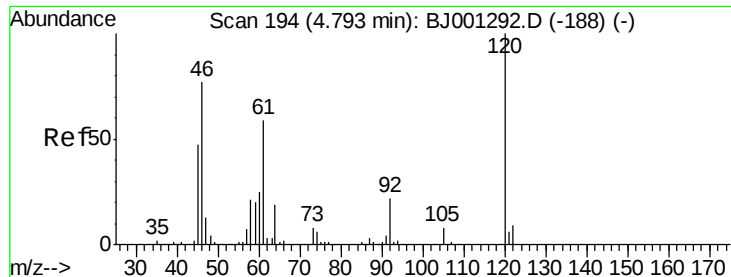
Tgt Ion: 136 Resp: 975974

Ion Ratio Lower Upper

136 100

68 5.7 0.0 26.8





#7

1,4-Dithiane

Concen: 44.05 ug/mL m

RT: 4.62 min Scan# 182

Delta R.T. -0.17 min

Lab File: BJ001290.D

Acq: 27 Nov 2012 13:07

Instrument :

BNA_J

LabSampleId :

CWA-6

Tgt Ion: 46 Resp: 3259952

Ion Ratio Lower Upper

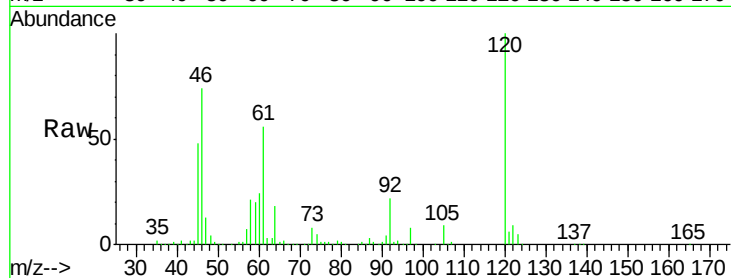
46 100

61 74.6 56.1 96.1

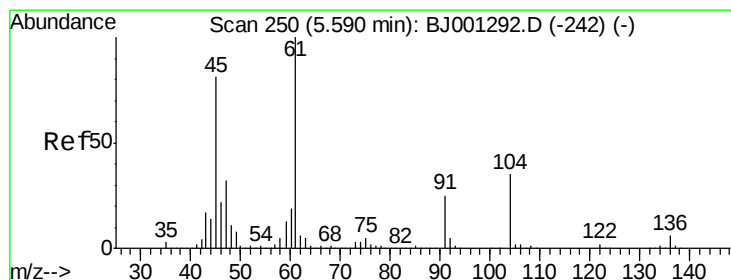
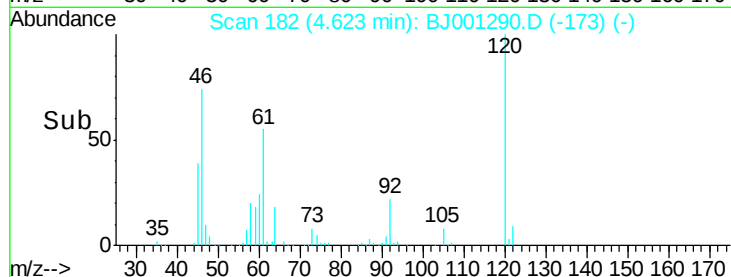
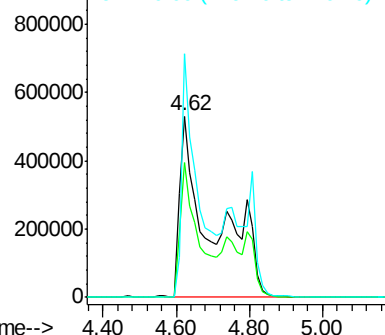
120 134.3 109.1 149.1

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Abundance Ion 46.00 (45.70 to 46.70): BJ0
Ion 61.00 (60.70 to 61.70): BJ0
Ion 120.00 (119.70 to 120.70): BJ0



#8

Thiodiglycol

Concen: 258.85 ug/mL m

RT: 5.41 min Scan# 237

Delta R.T. -0.18 min

Lab File: BJ001290.D

Acq: 27 Nov 2012 13:07

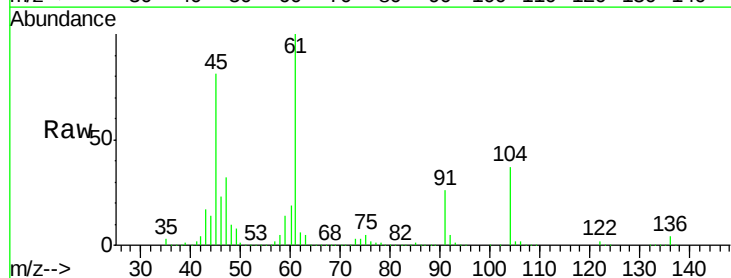
Tgt Ion: 61 Resp: 23113712

Ion Ratio Lower Upper

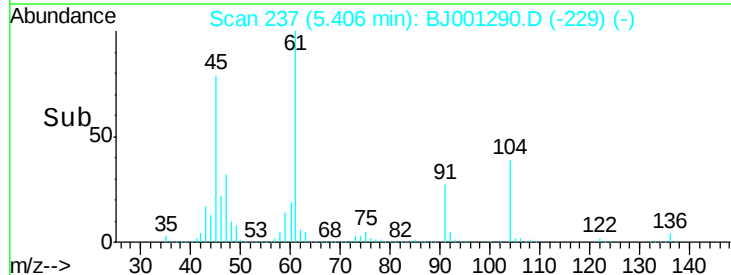
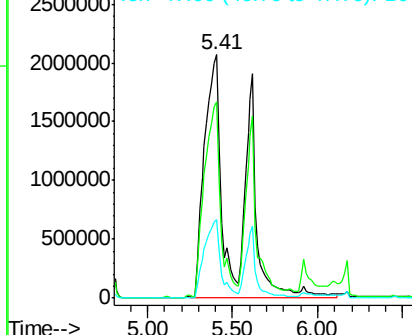
61 100

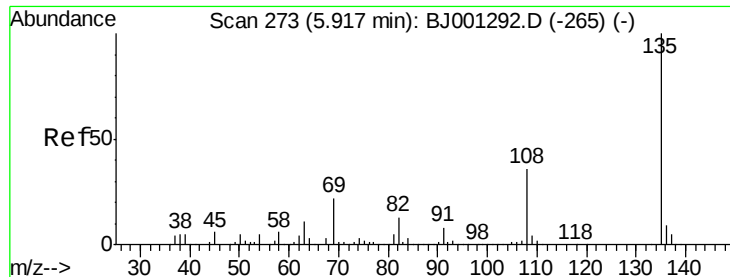
45 80.8 61.0 101.0

47 32.3 12.2 52.2



Abundance Ion 61.00 (60.70 to 61.70): BJ0
Ion 45.00 (44.70 to 45.70): BJ0
Ion 47.00 (46.70 to 47.70): BJ0





#9

Benzothiazole

Concen: 52.24 ug/mL m

RT: 5.68 min Scan# 256

Delta R.T. -0.24 min

Lab File: BJ001290.D

Acq: 27 Nov 2012 13:07

Instrument :

BNA_J

LabSampleId :

CWA-6

Tgt Ion: 135 Resp: 14187052

Ion Ratio Lower Upper

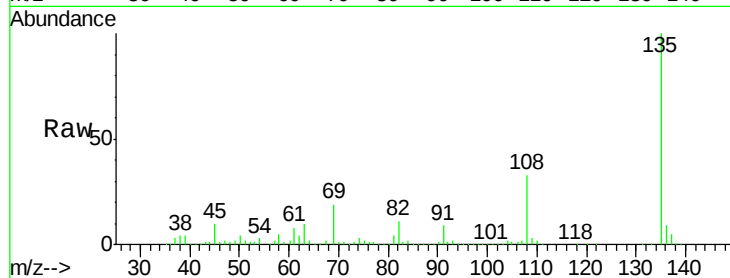
135 100

108 33.3 15.7 55.7

69 18.8 2.2 42.2

Manual Integrations
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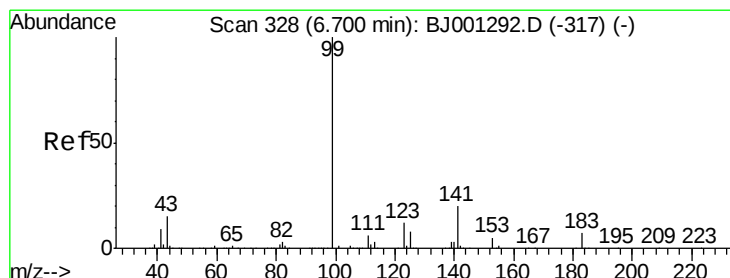
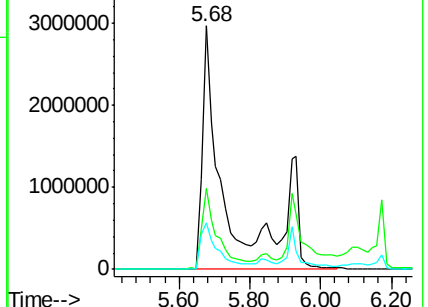
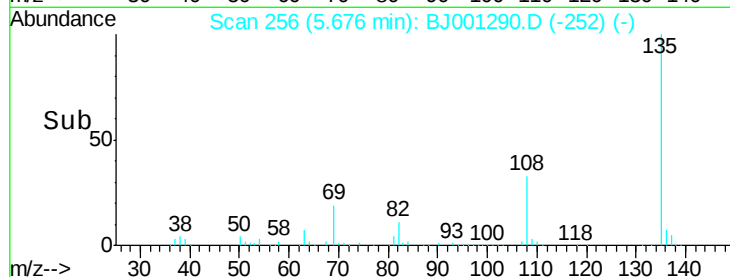
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Abundance Ion 135.00 (134.70 to 135.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 69.00 (68.70 to 69.70): BJO



#10

Tripropylphosphate

Concen: 12.20 ug/mL m

RT: 6.70 min Scan# 328

Delta R.T. 0.00 min

Lab File: BJ001290.D

Acq: 27 Nov 2012 13:07

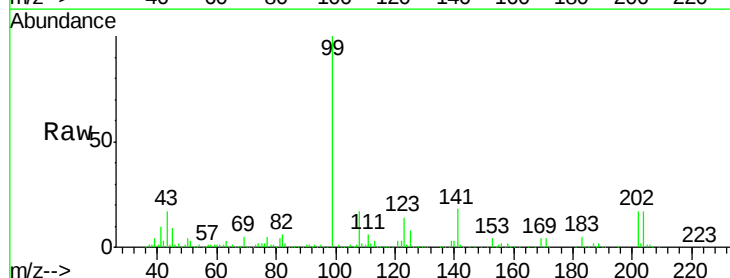
Tgt Ion: 99 Resp: 5766026

Ion Ratio Lower Upper

99 100

141 1.0 13.5 20.3#

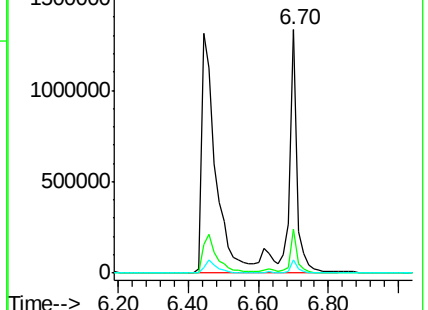
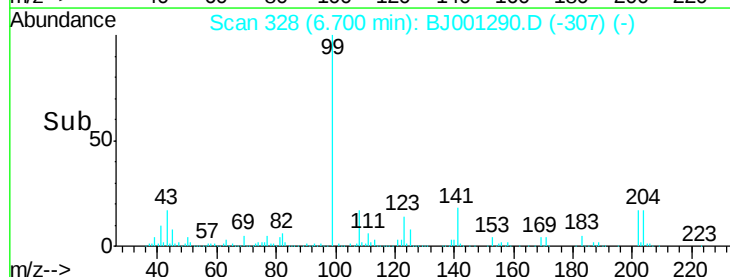
183 0.3 4.3 6.5#

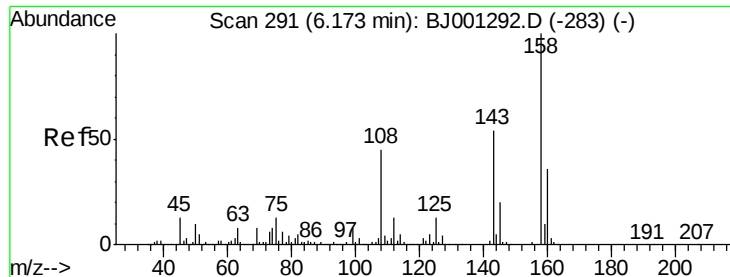


Abundance Ion 99.00 (98.70 to 99.70): BJO

Ion 141.00 (140.70 to 141.70): E

Ion 183.00 (182.70 to 183.70): E





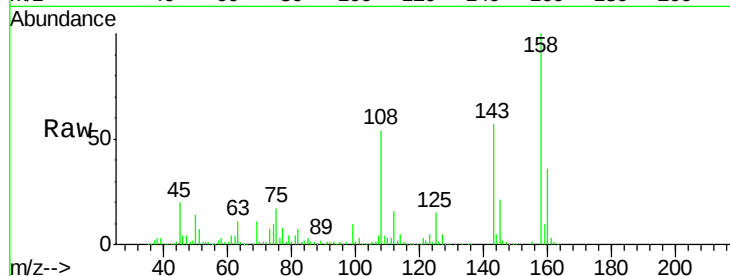
#11
p-Chlorophenylmethylsulfide
Concen: 54.19 ug/mL m
RT: 6.17 min Scan# 291
Delta R.T. 0.00 min
Lab File: BJ001290.D
Acq: 27 Nov 2012 13:07

Instrument :
BNA_J
LabSampleId :
CWA-6

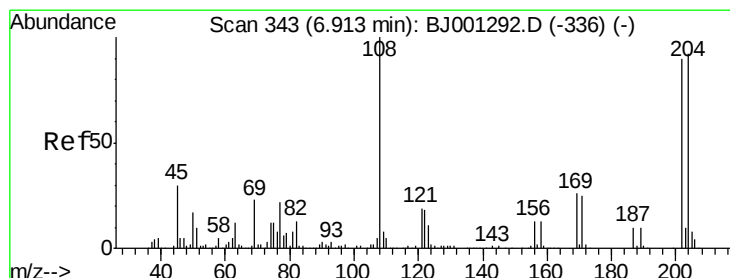
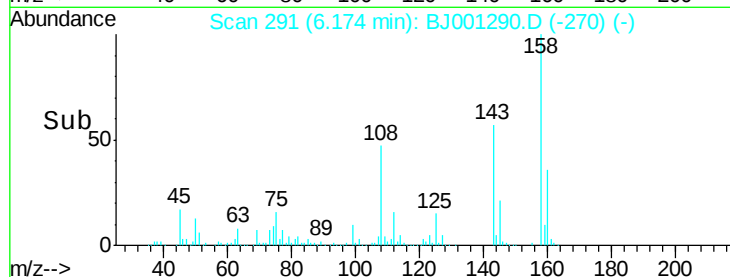
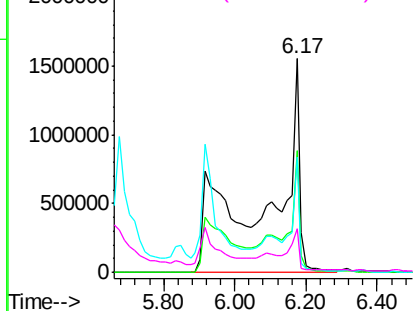
Tgt Ion:158 Resp: 9100833
Ion Ratio Lower Upper
158 100
143 56.8 34.4 74.4
108 54.1 25.3 65.3
45 20.3 0.0 34.7

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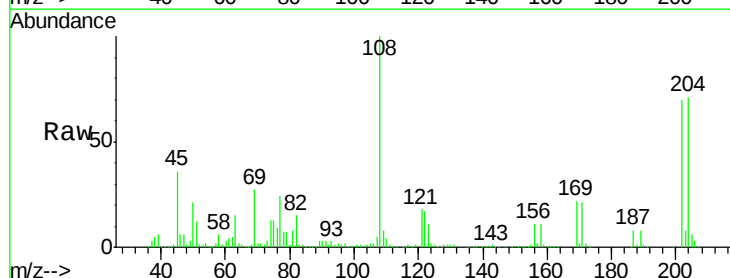


Abundance Ion 158.00 (157.70 to 158.70): E
Ion 143.00 (142.70 to 143.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 45.00 (44.70 to 45.70): BJ0

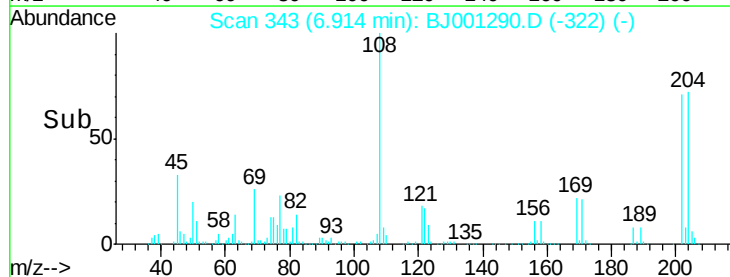
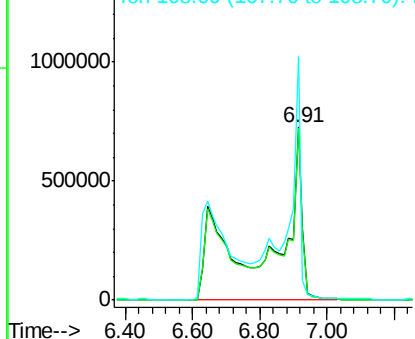


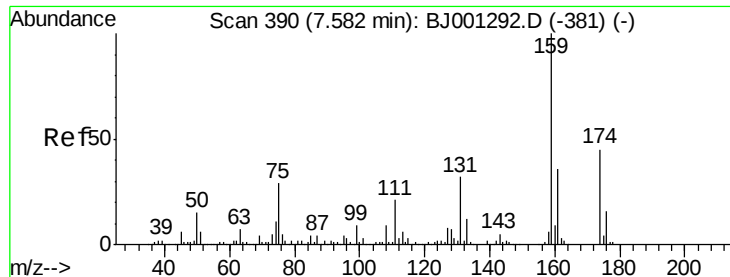
#12
2-Bromothioanisole
Concen: 59.13 ug/mL m
RT: 6.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: BJ001290.D
Acq: 27 Nov 2012 13:07

Tgt Ion:204 Resp: 4520145
Ion Ratio Lower Upper
204 100
202 99.1 77.8 117.8
108 140.9 88.3 128.3#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 202.00 (201.70 to 202.70): E
Ion 108.00 (107.70 to 108.70): E





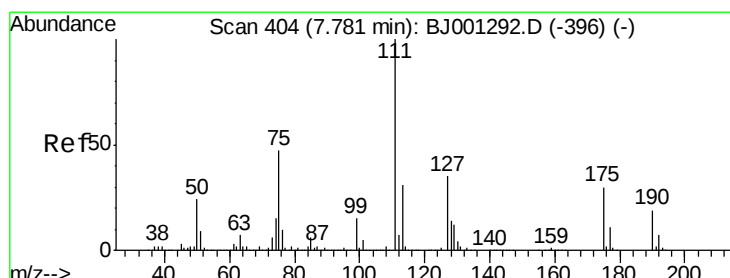
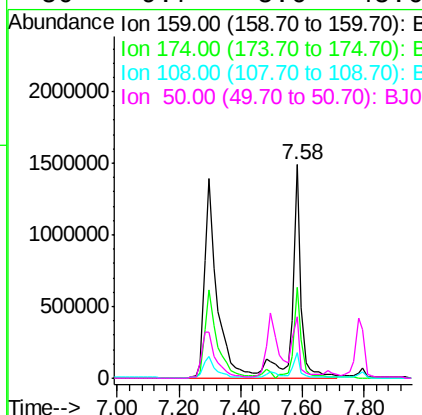
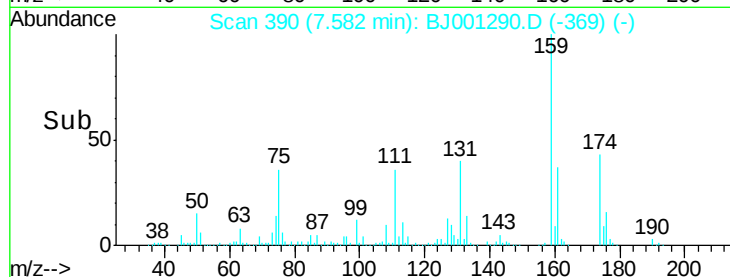
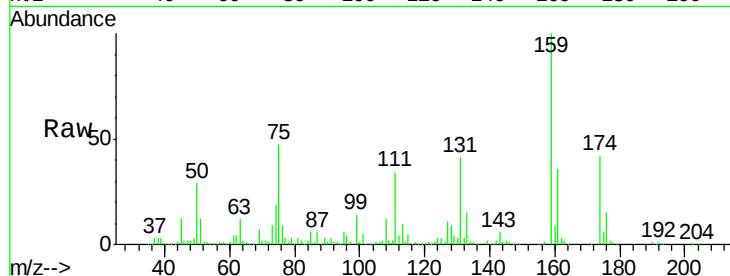
#13
p-Chlorophenylmethylsulfoxide
Concen: 47.25 ug/mL m
RT: 7.58 min Scan# 390
Delta R.T. 0.00 min
Lab File: BJ001290.D
Acq: 27 Nov 2012 13:07

Instrument :
BNA_J
LabSampleId :
CWA-6

Tgt Ion:159 Resp: 6776287
Ion Ratio Lower Upper
159 100
174 16.5 25.2 65.2#
108 3.8 0.0 30.3
50 9.7 5.6 45.6

Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 51.92 ug/mL m
RT: 7.80 min Scan# 405
Delta R.T. 0.01 min
Lab File: BJ001290.D
Acq: 27 Nov 2012 13:07

Tgt Ion:111 Resp: 9986015
Ion Ratio Lower Upper
111 100
75 38.8 27.5 67.5
127 36.4 15.3 55.3
190 21.9 0.0 38.6

