

Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ112712\
 Data File : BJ001291.D
 Acq On : 27 Nov 2012 13:24
 Operator : HLM
 Sample : CWA-5
 Misc : CWA STD BNA_J HLM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_J
 LabSampleId :
 CWA-5

Manual Integrations
 APPROVED

AHPatel
 12/5/2012 3:22:58 AM

Quant Time: Dec 05 03:15:15 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	4.33	152	278789	2.00	ug/mL	-0.03
6) Naphthalene-d8	5.63	136	1104122m	2.00	ug/mL	0.02

System Monitoring Compounds

10) Tripropylphosphate	6.62	99	2979191m	6.45	ug/mL	-0.08
Spiked Amount	0.500	Range	70 - 130	Recovery	=	1290.00%#
12) 2-Bromothioanisole	6.91	204	2348100m	27.15	ug/mL	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	543.00%#

Target Compounds

						Qvalue
2) Dimethyl Disulfide	2.32	94	1796164	17.85	ug/mL#	80
3) DMMP	3.24	79	766778	6.94	ug/mL	93
4) DIMP	4.60	97	1695736m	6.21	ug/mL	
5) 1,4-Oxathiane	3.36	46	2092675	19.37	ug/mL	97
7) 1,4-Dithiane	4.74	46	1737778	20.76	ug/mL#	78
8) Thiodiglycol	5.59	61	12502037m	144.30	ug/mL	
9) Benzothiazole	5.85	135	7937977m	25.84	ug/mL	
11) p-Chlorophenylmethyldisulfid	6.17	158	4866224m	25.61	ug/mL	
13) p-Chlorophenylmethyldisulfox	7.58	159	3700859m	27.99	ug/mL	
14) p-Chlorophenylmethyldisulfon	7.78	111	5221505m	29.08	ug/mL	

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

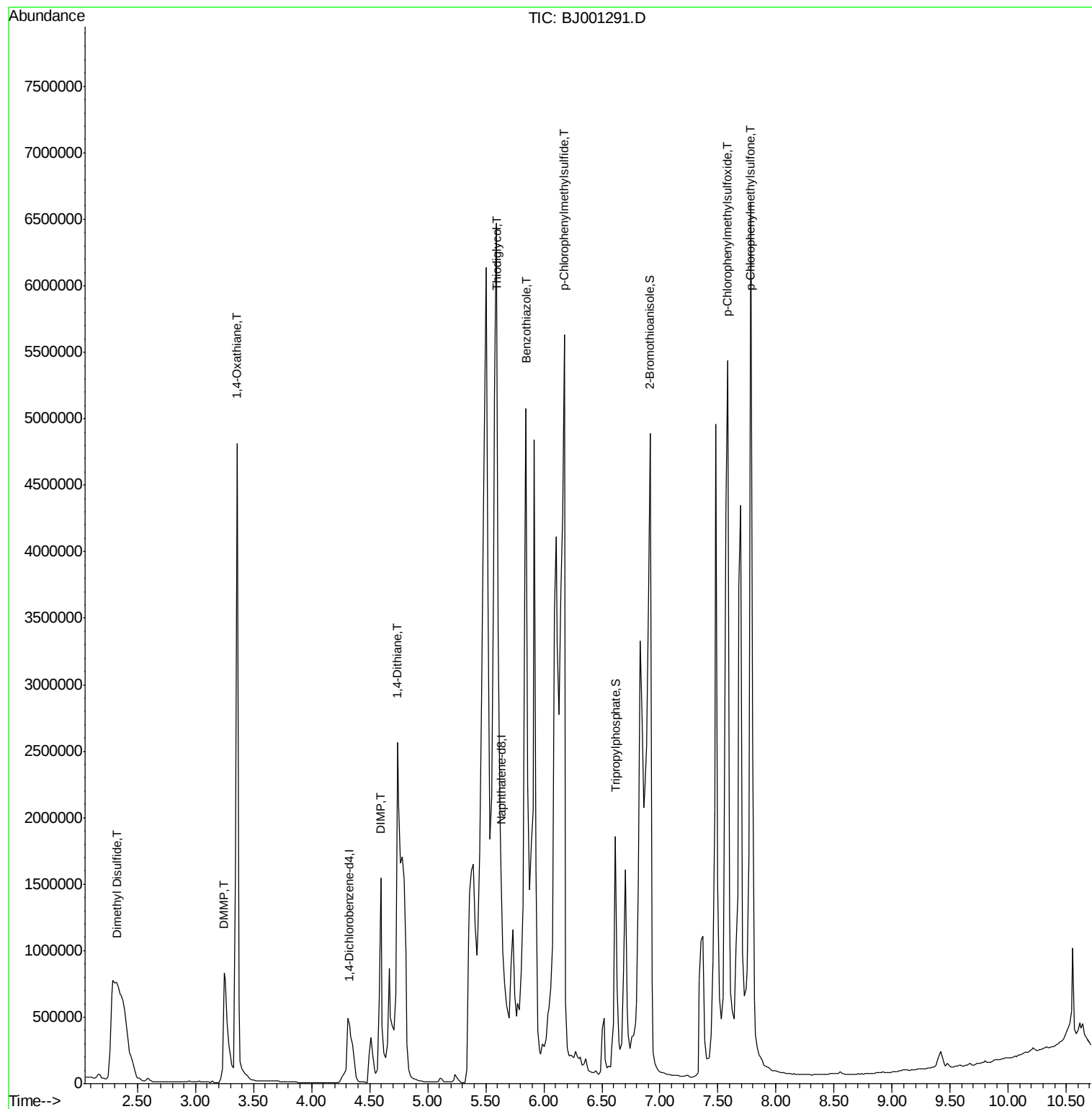
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ112712\
Data File : BJ001291.D
Acq On : 27 Nov 2012 13:24
Operator : HLM
Sample : CWA-5
Misc : CWA STD BNA_J HLM
ALS Vial : 3 Sample Multiplier: 1

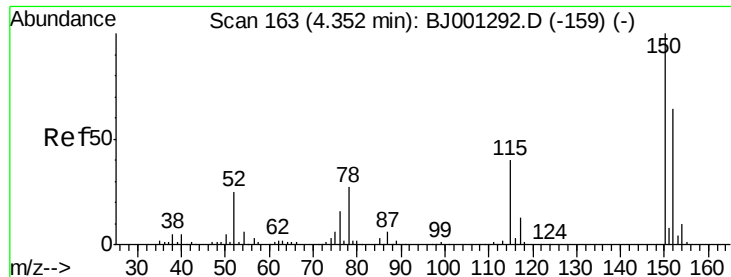
Instrument :
BNA_J
LabSampleId :
CWA-5

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12/5/2012 3:22:58 AM

Quant Time: Dec 05 03:15:15 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

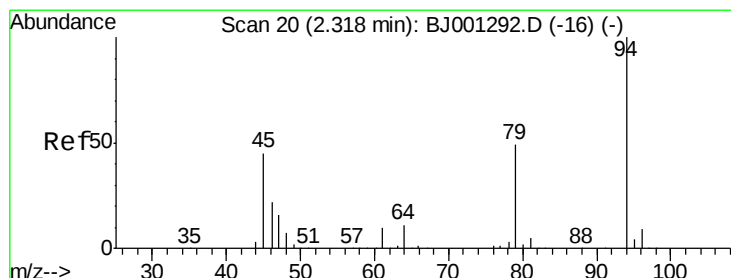
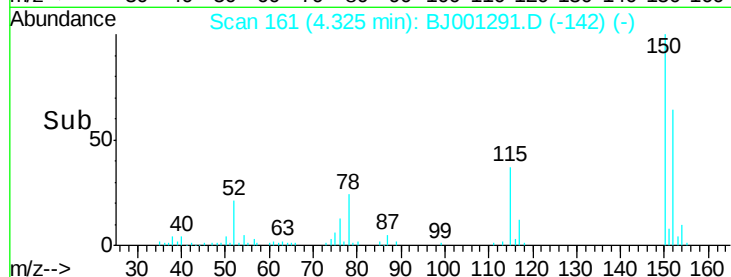
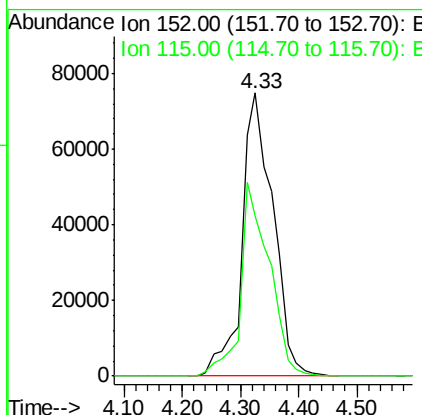
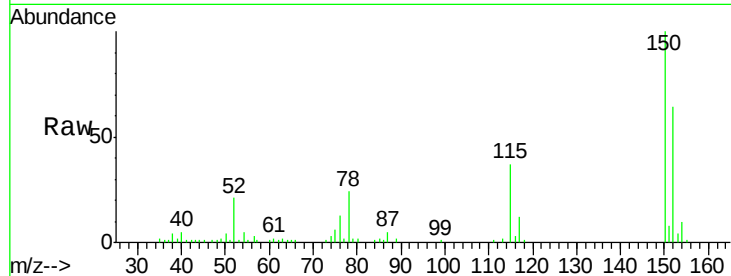
1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.33 min Scan# 161
 Delta R.T. -0.03 min
 Lab File: BJ001291.D
 Acq: 27 Nov 2012 13:24

Instrument :
 BNA_J
 LabSampleId :
 CWA-5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	278789		
115	56.6	42.9	82.9	

Manual Integrations
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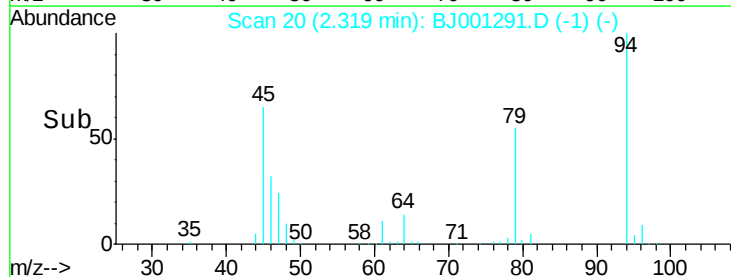
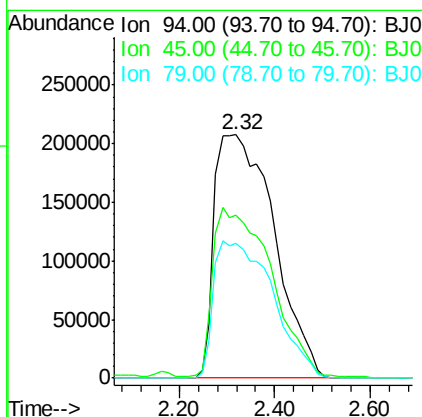
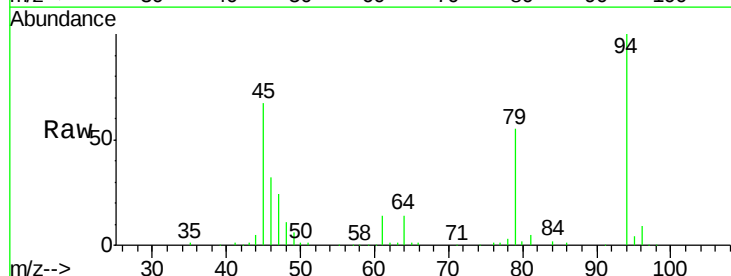
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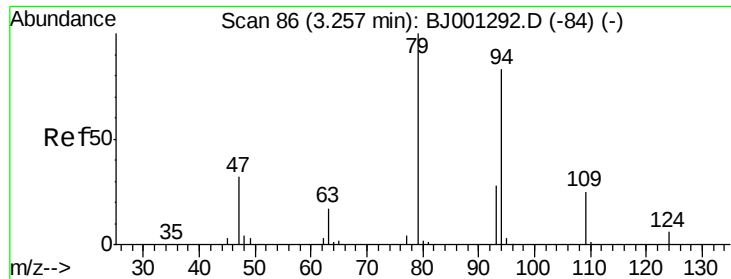


#2

Dimethyl Disulfide
 Concen: 17.85 ug/mL
 RT: 2.32 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: BJ001291.D
 Acq: 27 Nov 2012 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	1796164		
45	66.8	25.1	65.1#	
79	55.2	29.4	69.4	





#3

DMMP

Concen: 6.94 ug/mL

RT: 3.24 min Scan# 85

Delta R.T. -0.01 min

Lab File: BJ001291.D

Acq: 27 Nov 2012 13:24

Instrument :

BNA_J

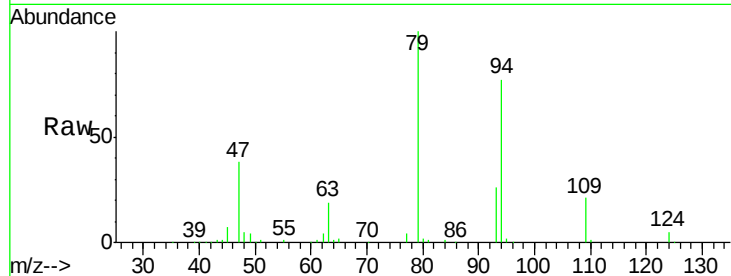
LabSampleId :

CWA-5

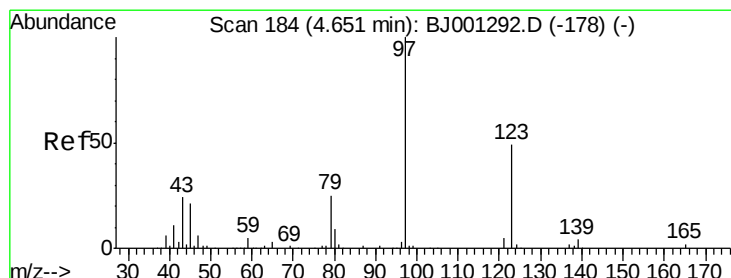
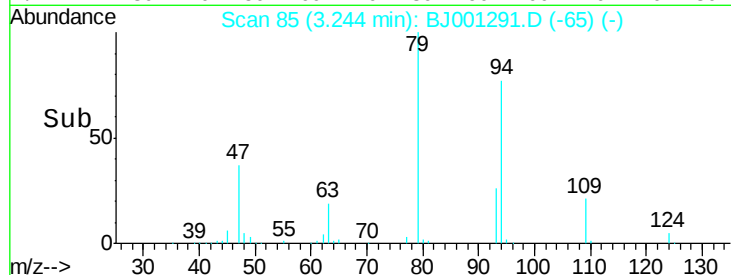
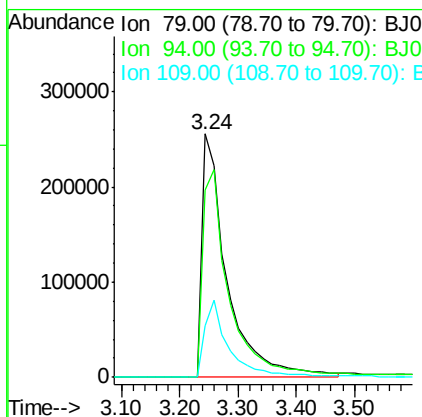
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Tgt Ion:	79	Resp:	766778
Ion Ratio	Lower	Upper	
79	100		
94	77.0	63.0	103.0
109	21.0	5.3	45.3



#4

DIMP

Concen: 6.21 ug/mL m

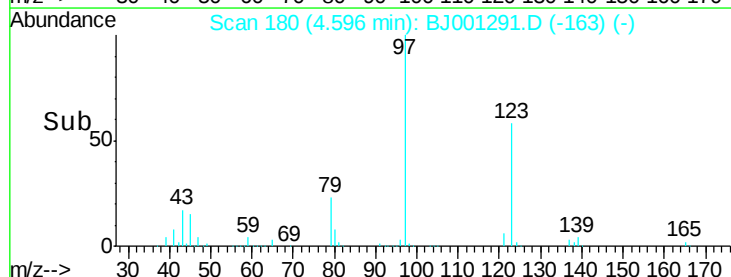
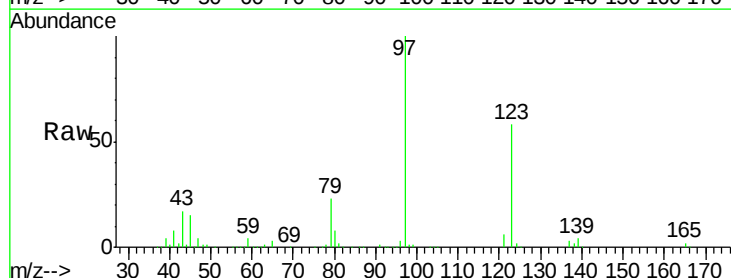
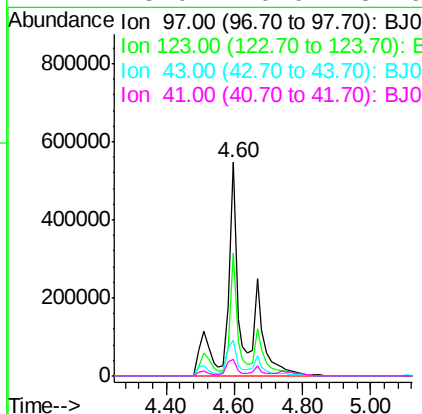
RT: 4.60 min Scan# 180

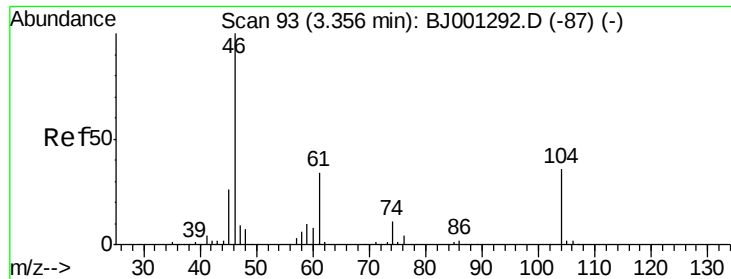
Delta R.T. -0.06 min

Lab File: BJ001291.D

Acq: 27 Nov 2012 13:24

Tgt Ion:	97	Resp:	1695736
Ion Ratio	Lower	Upper	
97	100		
123	57.7	29.2	69.2
43	16.9	4.0	44.0
41	8.0	0.0	31.6





#5

1,4-Oxathiane

Concen: 19.37 ug/mL

RT: 3.36 min Scan# 93

Delta R.T. 0.00 min

Lab File: BJ001291.D

Acq: 27 Nov 2012 13:24

Instrument :

BNA_J

LabSampleId :

CWA-5

Tgt Ion: 46 Resp: 2092675

Ion Ratio Lower Upper

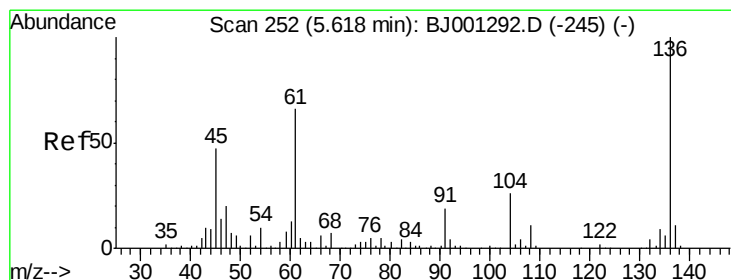
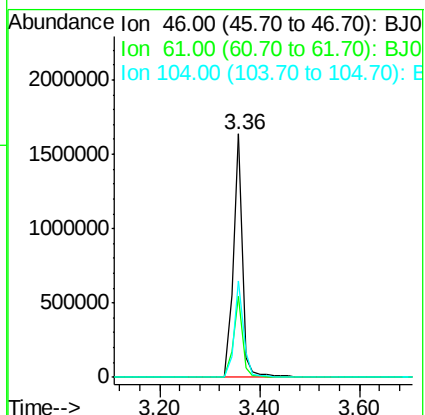
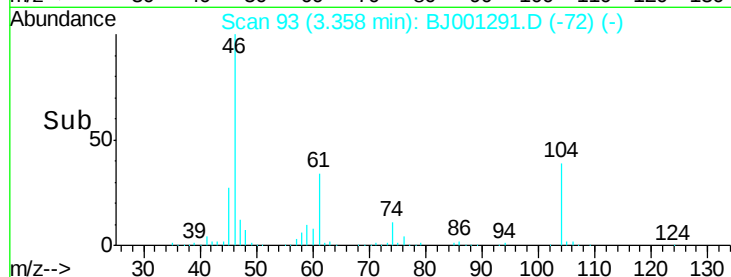
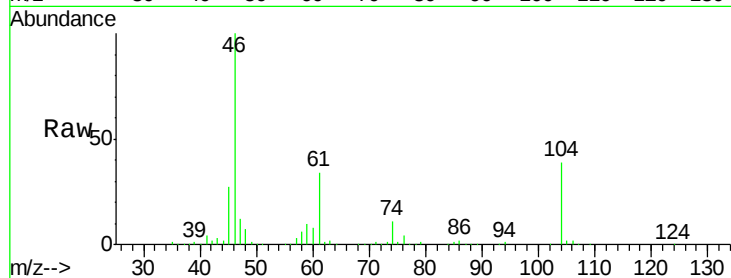
46 100

61 33.5 13.6 53.6

104 39.4 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. 0.02 min

Lab File: BJ001291.D

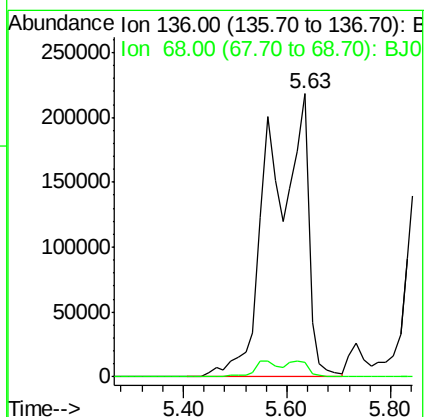
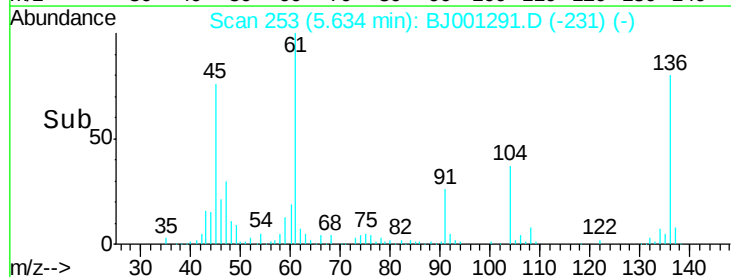
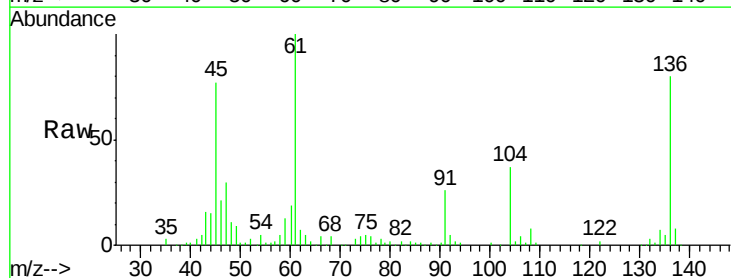
Acq: 27 Nov 2012 13:24

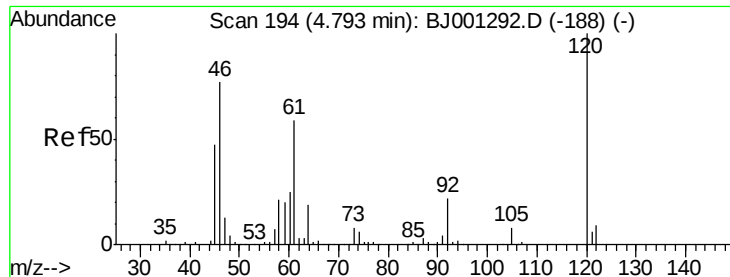
Tgt Ion: 136 Resp: 1104122

Ion Ratio Lower Upper

136 100

68 5.1 0.0 26.8





#7

1,4-Dithiane

Concen: 20.76 ug/mL

RT: 4.74 min Scan# 190

Delta R.T. -0.06 min

Lab File: BJ001291.D

Acq: 27 Nov 2012 13:24

Instrument :

BNA_J

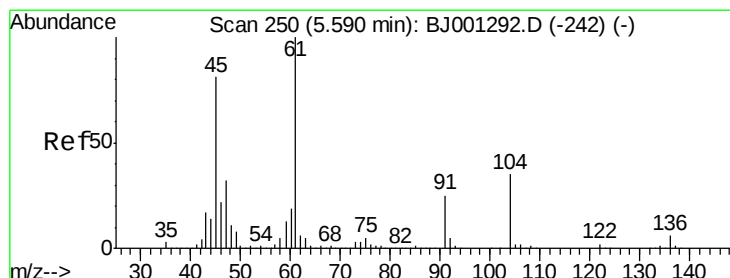
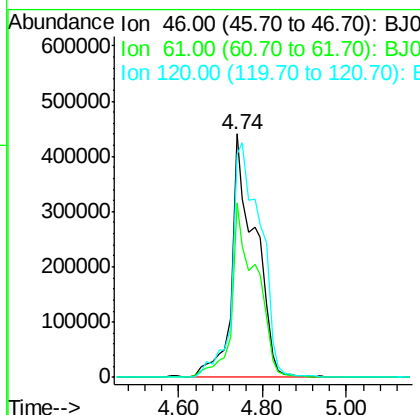
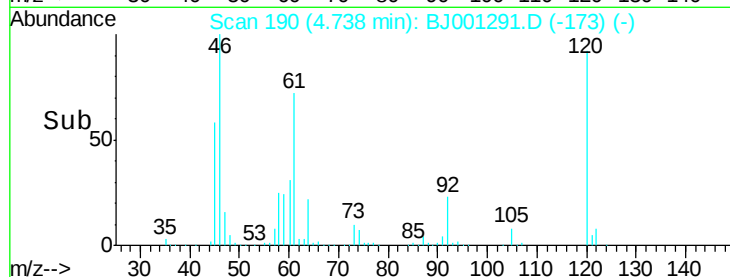
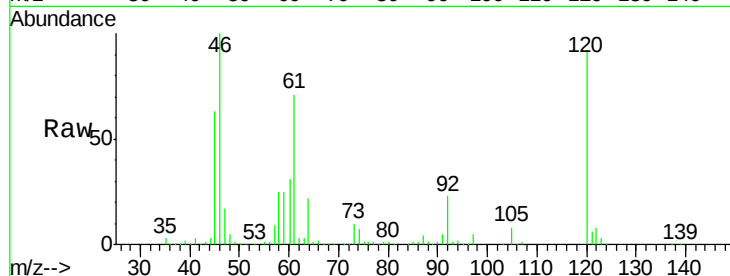
LabSampleId :

CWA-5

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Tgt Ion: 46 Resp: 1737778
Ion Ratio Lower Upper
46 100
61 71.4 56.1 96.1
120 91.6 109.1 149.1#



#8

Thiodiglycol

Concen: 144.30 ug/mL m

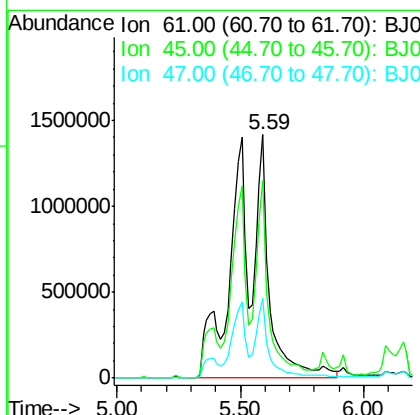
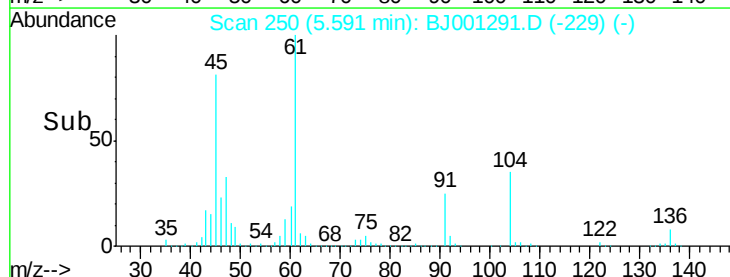
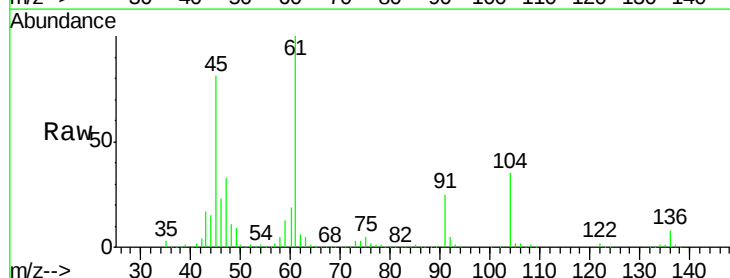
RT: 5.59 min Scan# 250

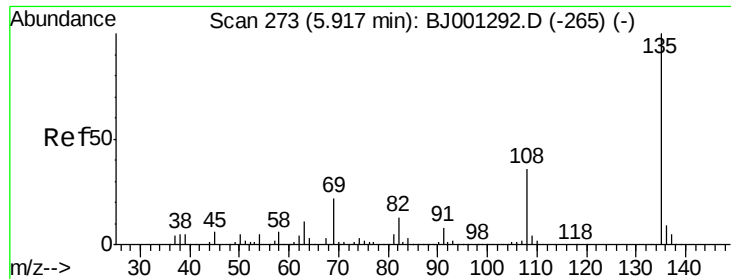
Delta R.T. 0.00 min

Lab File: BJ001291.D

Acq: 27 Nov 2012 13:24

Tgt Ion: 61 Resp: 12502037
Ion Ratio Lower Upper
61 100
45 81.4 61.0 101.0
47 32.6 12.2 52.2





#9

Benzothiazole

Concen: 25.84 ug/mL m

RT: 5.85 min Scan# 268

Delta R.T. -0.07 min

Lab File: BJ001291.D

Acq: 27 Nov 2012 13:24

Instrument :

BNA_J

LabSampleId :

CWA-5

Tgt Ion:135 Resp: 7937977

Ion Ratio Lower Upper

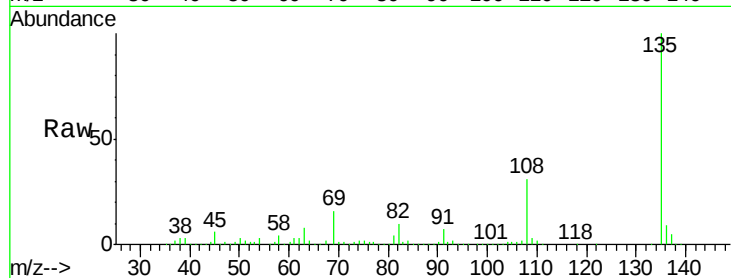
135 100

108 31.2 15.7 55.7

69 15.9 2.2 42.2

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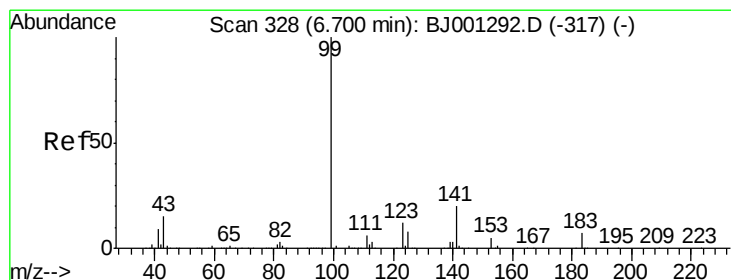
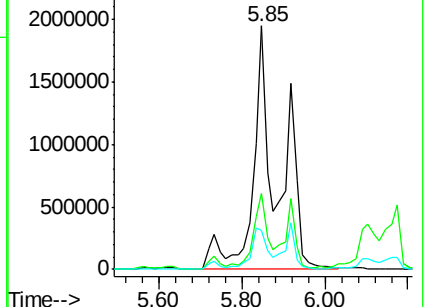
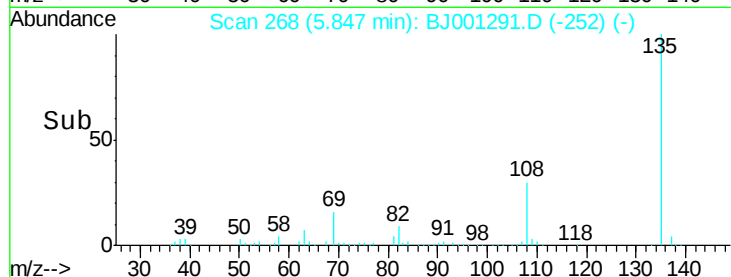
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Abundance Ion 135.00 (134.70 to 135.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 69.00 (68.70 to 69.70): BJO



#10

Tripropylphosphate

Concen: 6.45 ug/mL m

RT: 6.62 min Scan# 322

Delta R.T. -0.08 min

Lab File: BJ001291.D

Acq: 27 Nov 2012 13:24

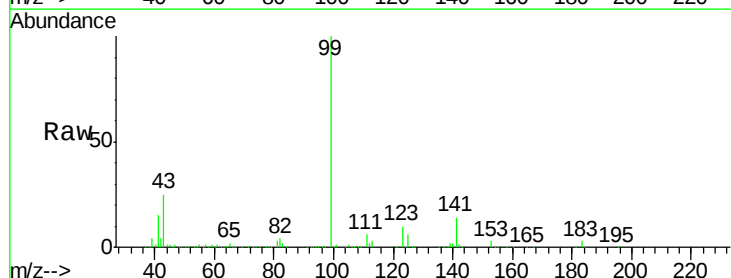
Tgt Ion: 99 Resp: 2979191

Ion Ratio Lower Upper

99 100

141 7.0 13.5 20.3#

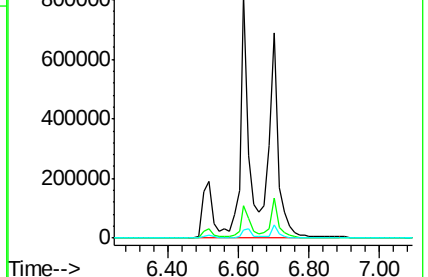
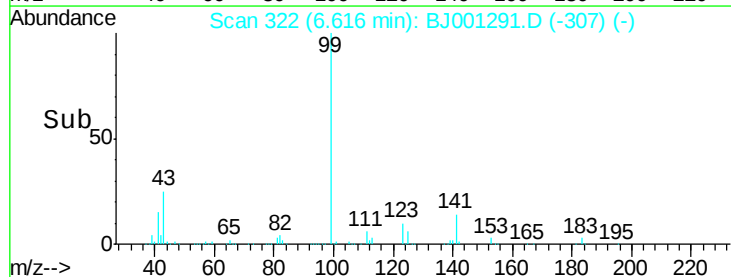
183 2.3 4.3 6.5#

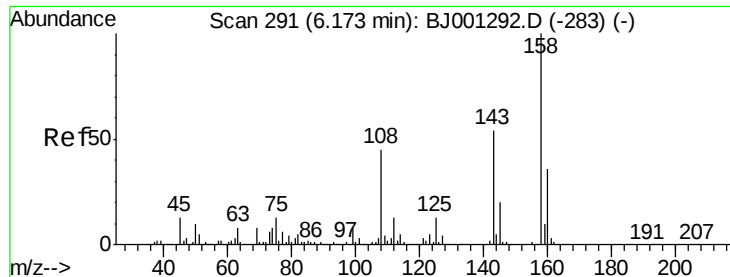


Abundance Ion 99.00 (98.70 to 99.70): BJO

Ion 141.00 (140.70 to 141.70): E

Ion 183.00 (182.70 to 183.70): E





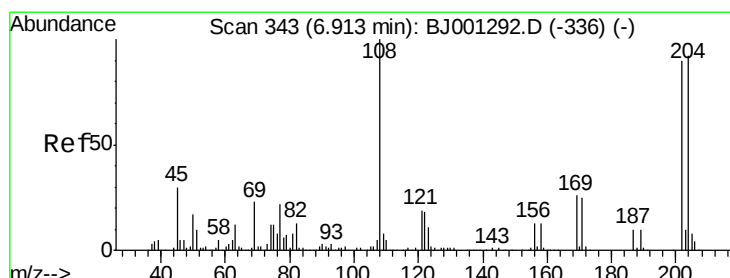
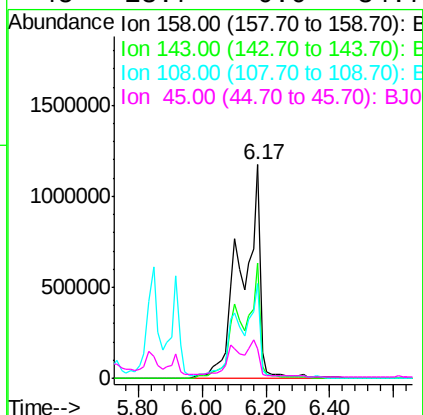
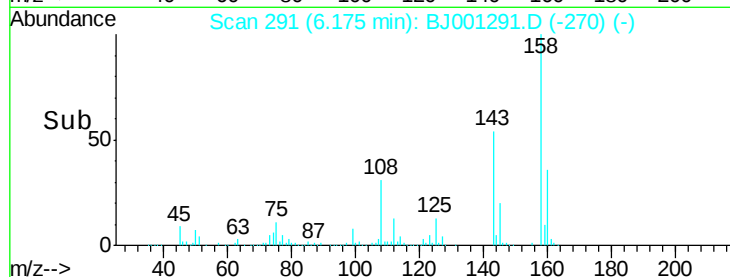
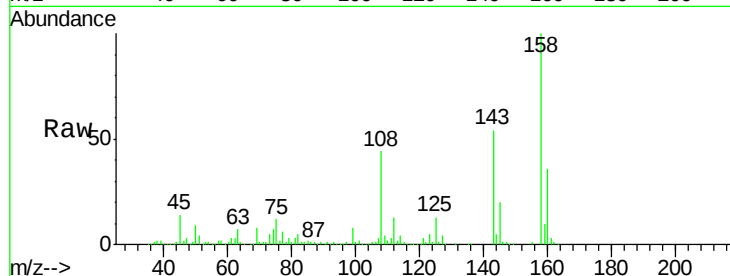
#11
p-Chlorophenylmethylsulfide
Concen: 25.61 ug/mL m
RT: 6.17 min Scan# 291
Delta R.T. 0.00 min
Lab File: BJ001291.D
Acq: 27 Nov 2012 13:24

Instrument :
BNA_J
LabSampleId :
CWA-5

Tgt Ion:158 Resp: 4866224
Ion Ratio Lower Upper
158 100
143 53.8 34.4 74.4
108 44.2 25.3 65.3
45 13.7 0.0 34.7

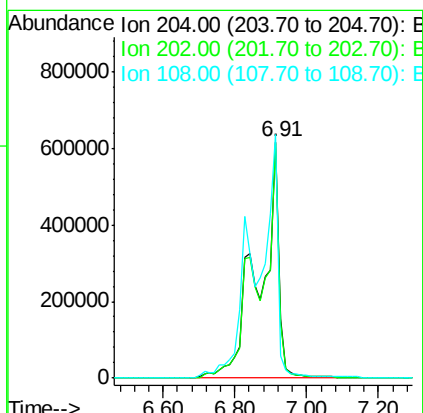
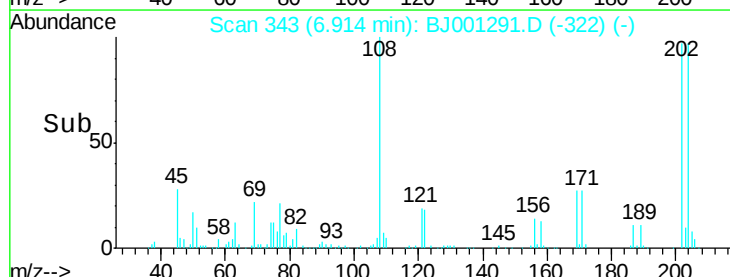
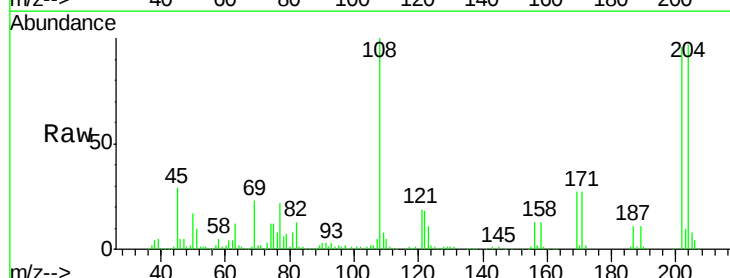
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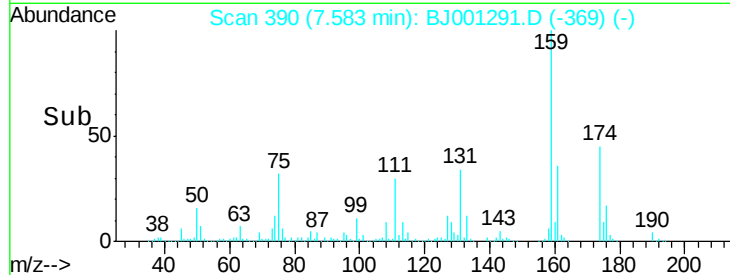
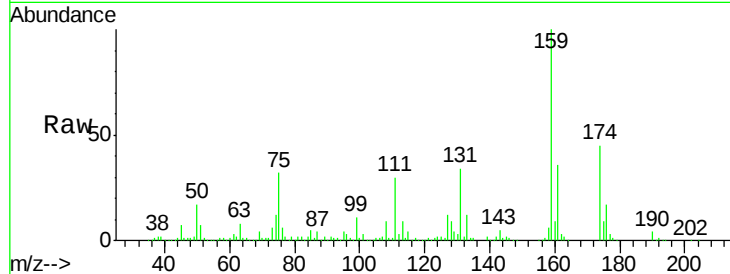
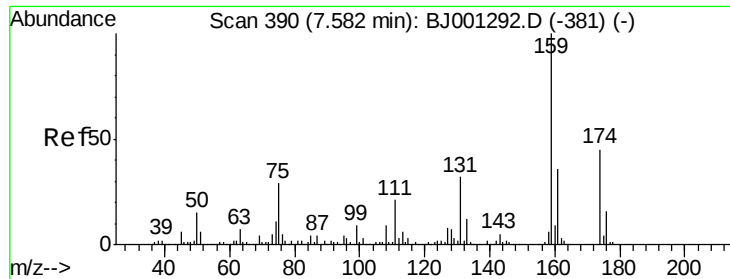
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#12
2-Bromothioanisole
Concen: 27.15 ug/mL m
RT: 6.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: BJ001291.D
Acq: 27 Nov 2012 13:24

Tgt Ion:204 Resp: 2348100
Ion Ratio Lower Upper
204 100
202 99.5 77.8 117.8
108 103.1 88.3 128.3





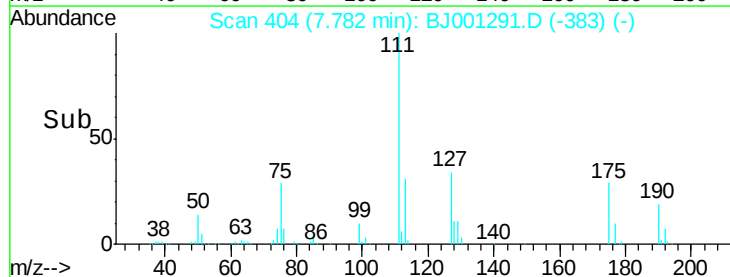
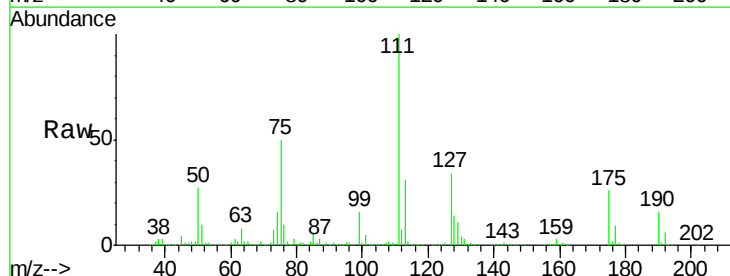
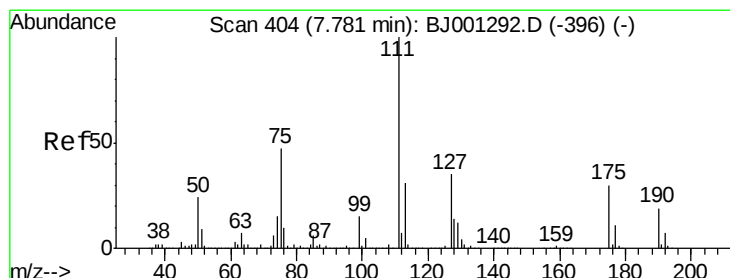
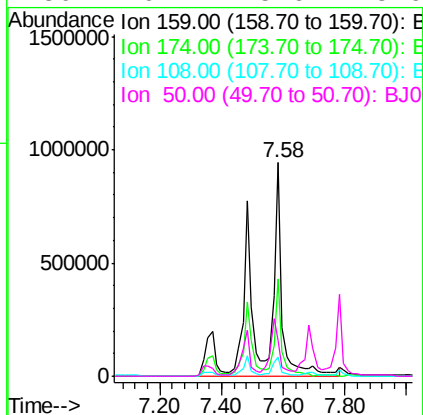
#13
p-Chlorophenylmethylsulfoxide
Concen: 27.99 ug/mL m
RT: 7.58 min Scan# 390
Delta R.T. 0.00 min
Lab File: BJ001291.D
Acq: 27 Nov 2012 13:24

Instrument :
BNA_J
LabSampleId :
CWA-5

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Tgt Ion	Ratio	Lower	Upper
159	100		
174	17.1	25.2	65.2#
108	3.9	0.0	30.3
50	10.1	5.6	45.6



#14
p-Chlorophenylmethylsulfone
Concen: 29.08 ug/mL m
RT: 7.78 min Scan# 404
Delta R.T. 0.00 min
Lab File: BJ001291.D
Acq: 27 Nov 2012 13:24

Tgt Ion	Ratio	Lower	Upper
111	100		
75	49.7	27.5	67.5
127	34.3	15.3	55.3
190	15.9	0.0	38.6

