

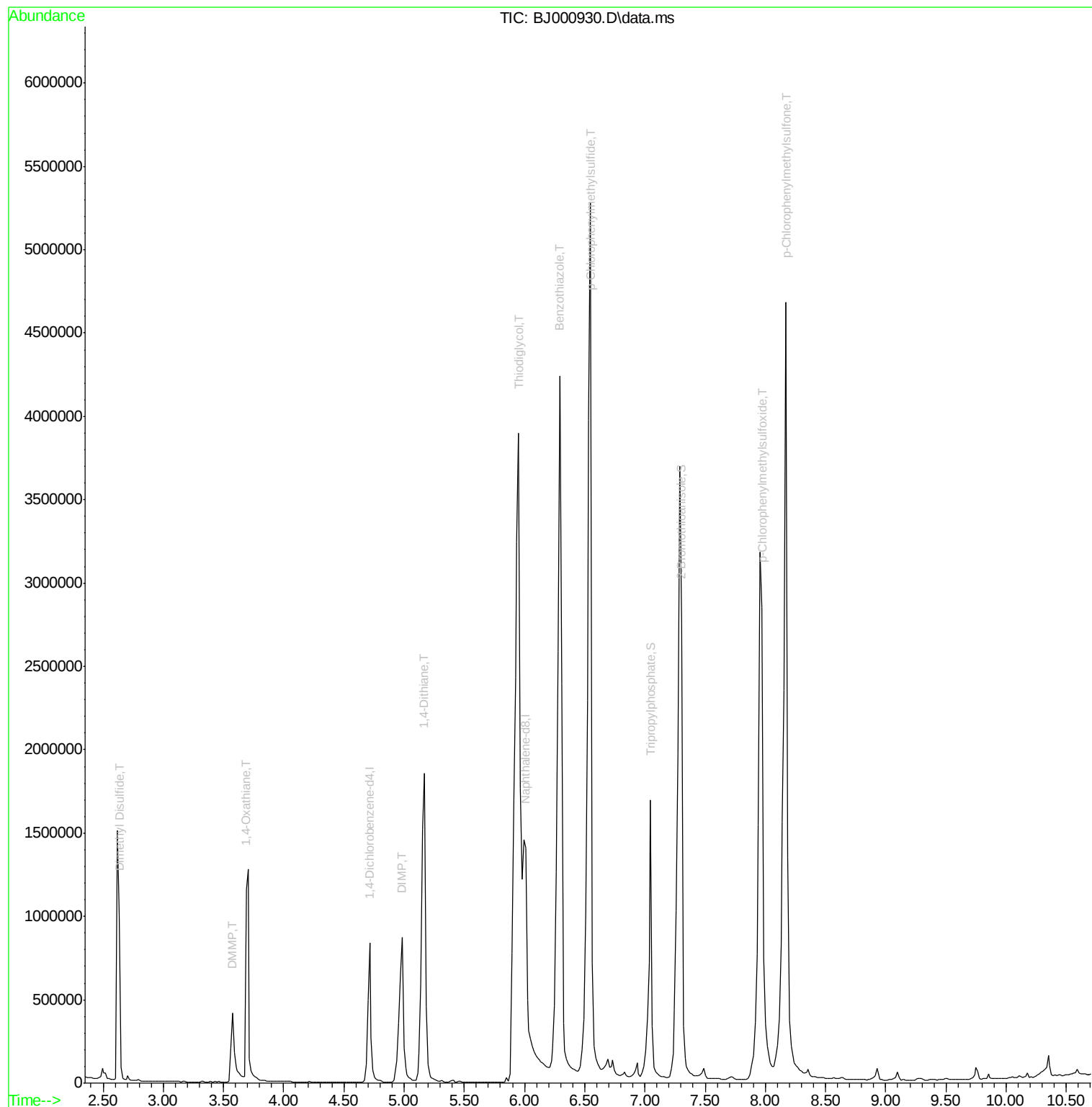
Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
Data File : BJ000930.D
Acq On : 8 Jun 2012 12:25
Operator : HLM
Sample : CWA-4
Misc : BNA_J HLM
ALS Vial : 2 Sample Multiplier: 1

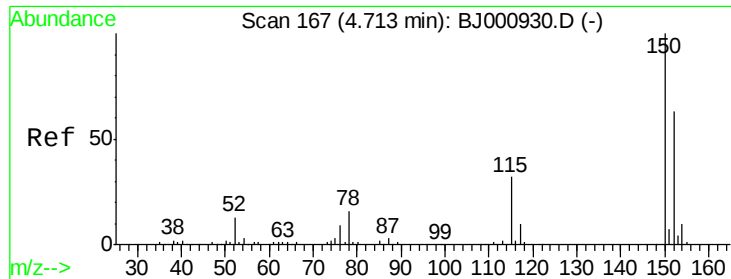
Instrument :
BNA_J
ClientSampleId :
CWA-4

Manual Integrations
APPROVED

AHPatel
6/14/2012 12:45:01 AM

Quant Time: Jun 13 04:19:18 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Jun 08 15:35:00 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.713 min Scan# 16

Delta R.T. 0.000 min

Lab File: BJ000930.D

Acq: 8 Jun 2012 12:25

Instrument :

BNA_J

ClientSampleId :

CWA-4

Tgt Ion: 152 Resp: 314756

Ion Ratio Lower Upper

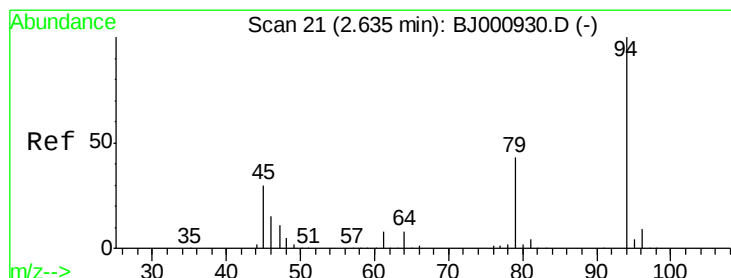
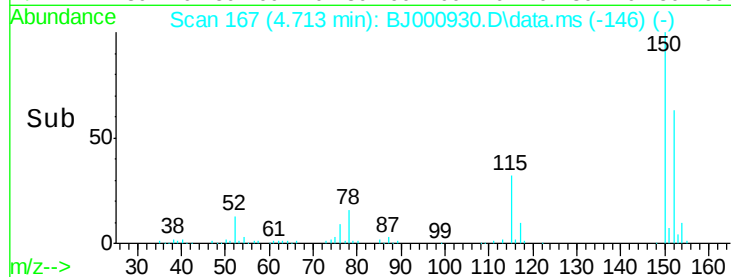
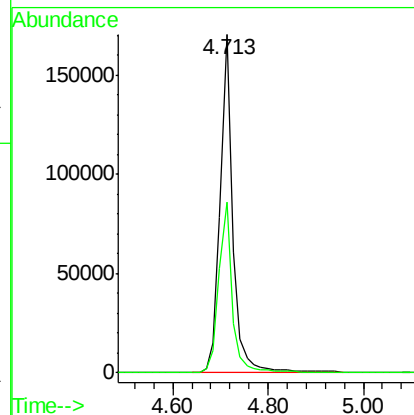
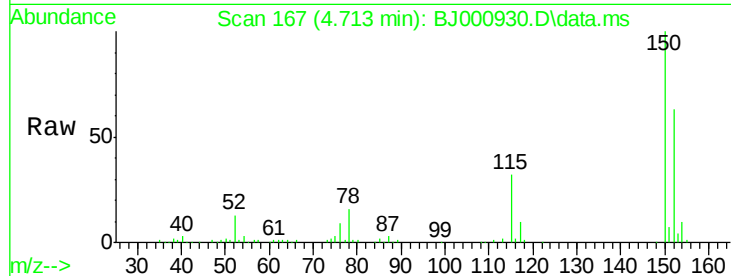
152 100

115 50.6 30.6 70.6

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 5.87 ug/mL

RT: 2.635 min Scan# 21

Delta R.T. 0.000 min

Lab File: BJ000930.D

Acq: 8 Jun 2012 12:25

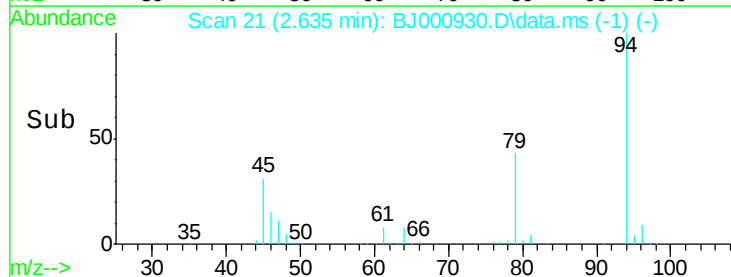
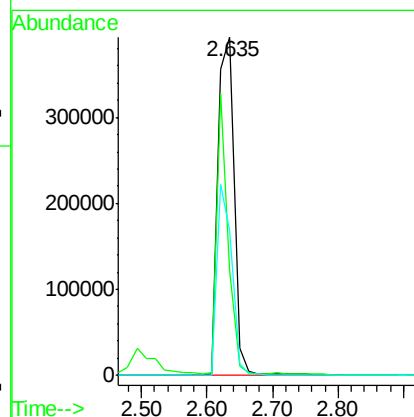
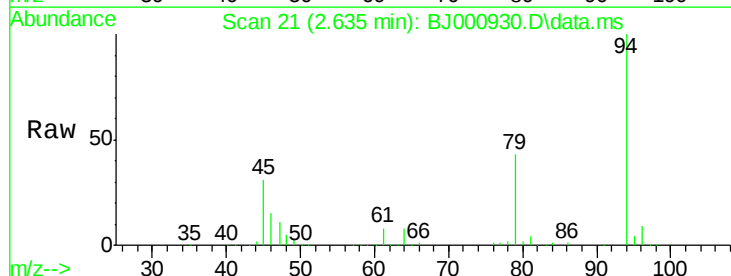
Tgt Ion: 94 Resp: 680453

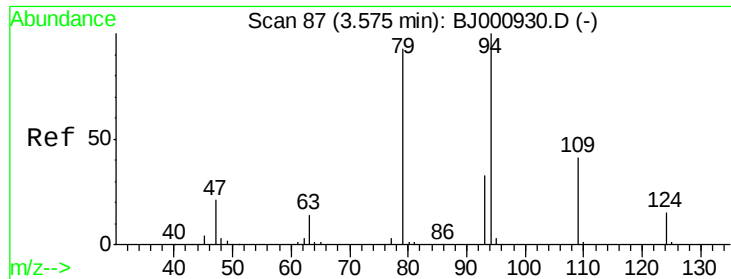
Ion Ratio Lower Upper

94 100

45 31.1 11.1 51.1

79 42.9 22.9 62.9





#3

DMMP

Concen: 2.92 ug/mL

RT: 3.575 min Scan# 87

Delta R.T. 0.000 min

Lab File: BJ000930.D

Acq: 8 Jun 2012 12:25

Instrument :

BNA_J

ClientSampleId :

CWA-4

Tgt Ion: 79 Resp: 297296

Ion Ratio Lower Upper

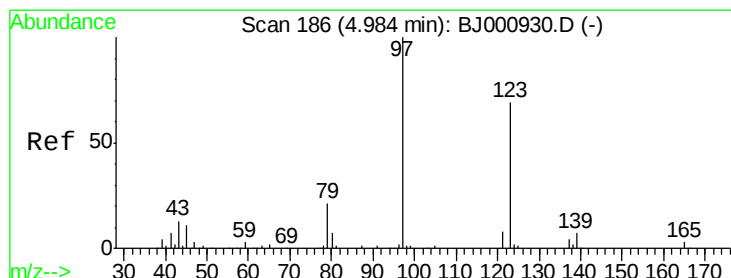
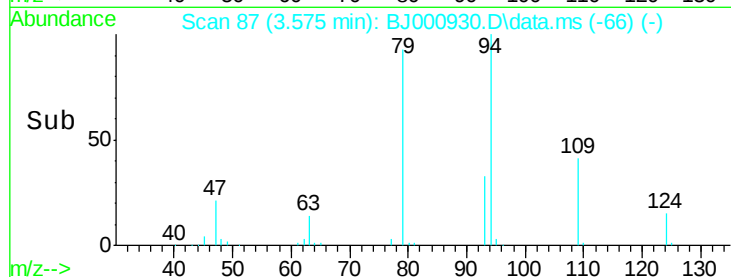
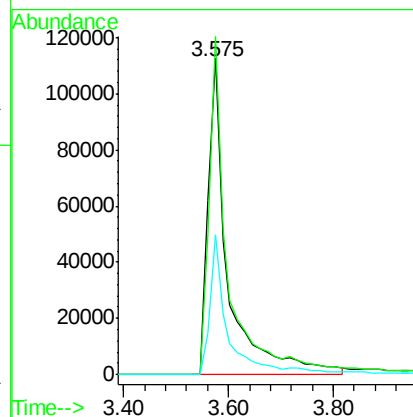
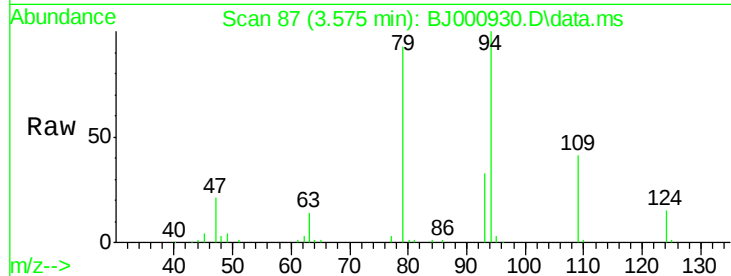
79 100

94 107.0 87.0 127.0

109 44.1 24.1 64.1

Manual Integrations
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#4

DIMP

Concen: 2.63 ug/mL

RT: 4.984 min Scan# 186

Delta R.T. 0.000 min

Lab File: BJ000930.D

Acq: 8 Jun 2012 12:25

Tgt Ion: 97 Resp: 729767

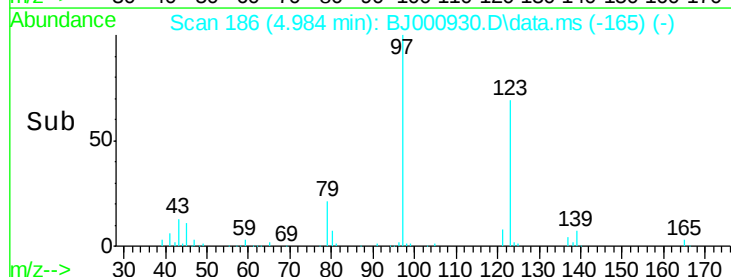
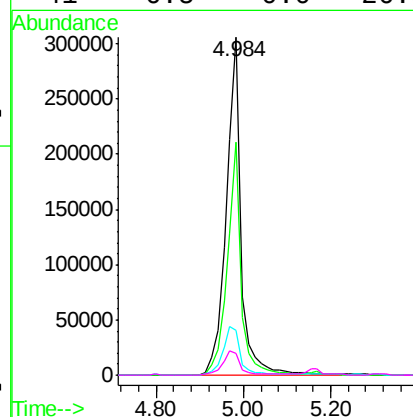
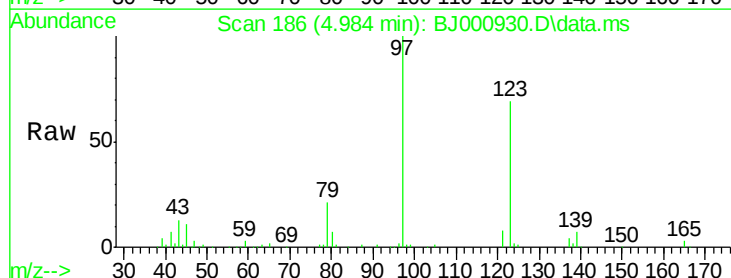
Ion Ratio Lower Upper

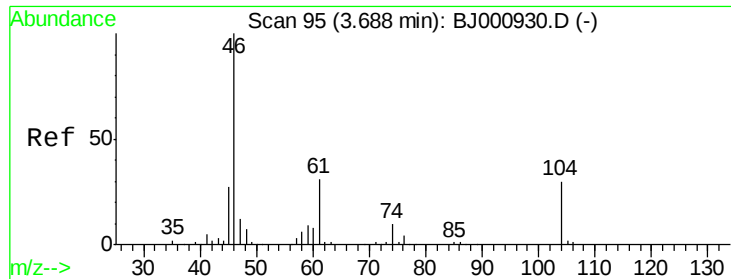
97 100

123 69.1 49.1 89.1

43 13.2 0.0 33.2

41 6.5 0.0 26.5





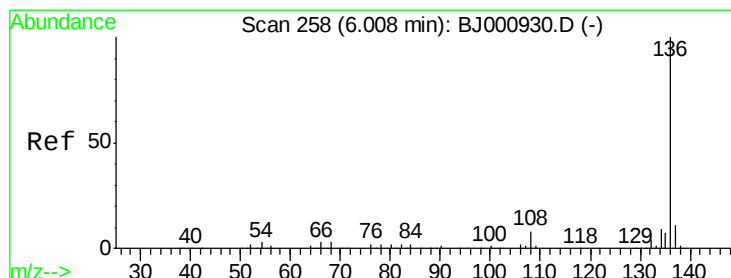
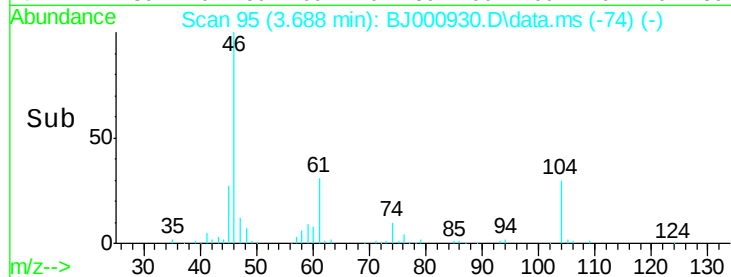
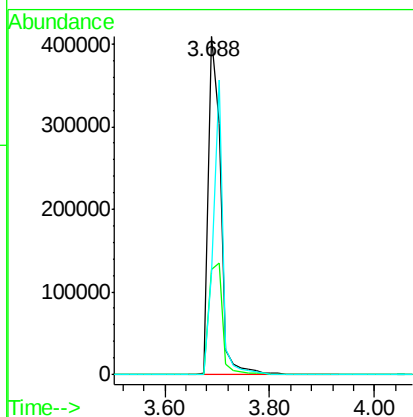
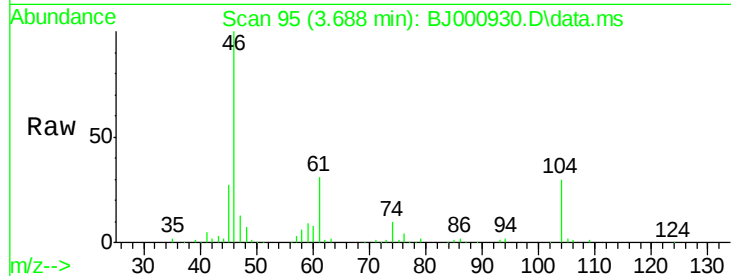
#5
 1,4-Oxathiane
 Concen: 6.01 ug/mL
 RT: 3.688 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: BJ000930.D
 Acq: 8 Jun 2012 12:25

Instrument :
 BNA_J
 ClientSampleId :
 CWA-4

Tgt Ion:	46	Resp:	671086
Ion Ratio		Lower	Upper
46	100		
61	31.2	11.2	51.2
104	30.0	10.0	50.0

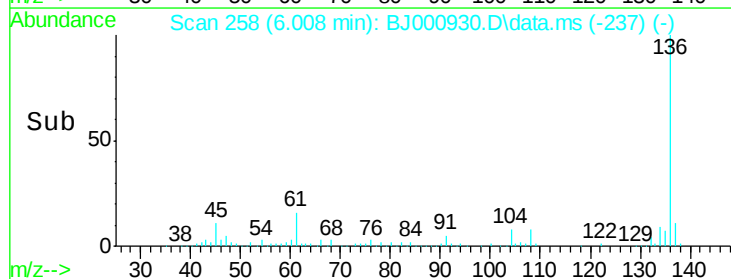
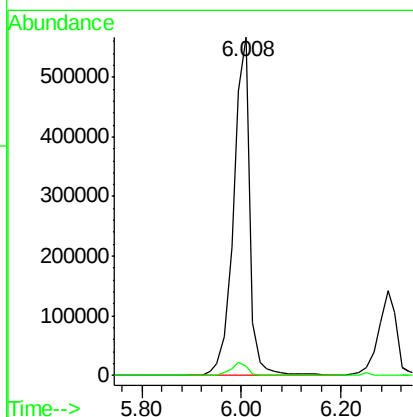
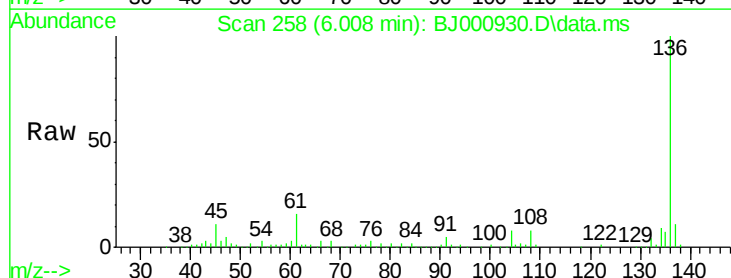
Manual Integrations
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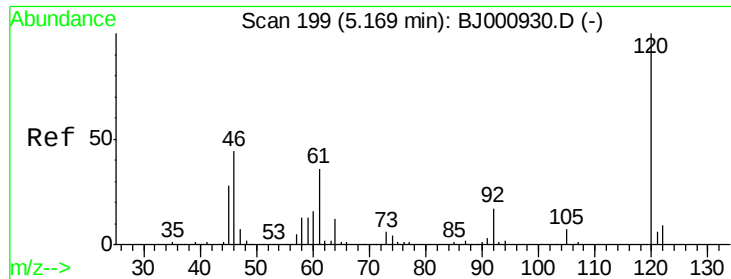
AHPatel
 6/14/2012 12:45:01 AM



#6
 Naphthalene-d8
 Concen: 2.00 ug/mL
 RT: 6.008 min Scan# 258
 Delta R.T. 0.000 min
 Lab File: BJ000930.D
 Acq: 8 Jun 2012 12:25

Tgt Ion:	136	Resp:	1278687
Ion Ratio		Lower	Upper
136	100		
68	2.7	0.0	22.7





#7

1,4-Dithiane

Concen: 6.73 ug/mL

RT: 5.169 min Scan# 199

Delta R.T. 0.000 min

Lab File: BJ000930.D

Acq: 8 Jun 2012 12:25

Instrument :

BNA_J

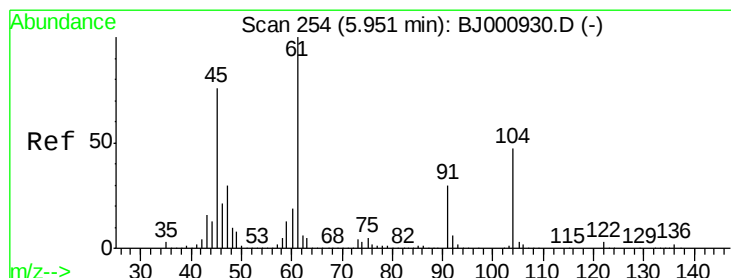
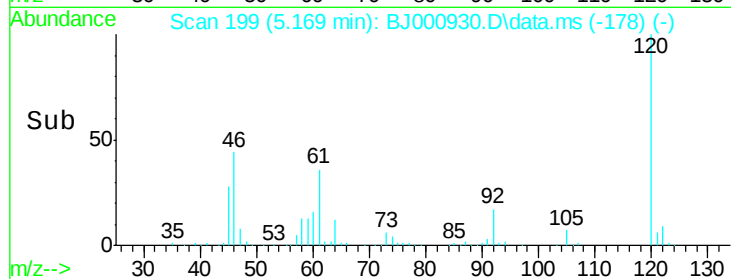
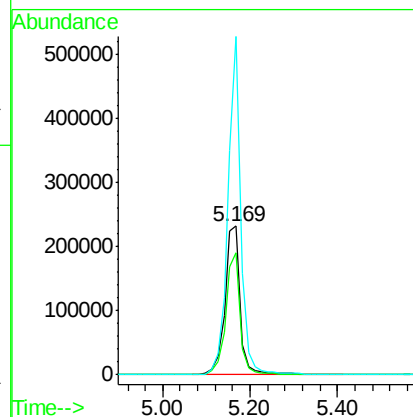
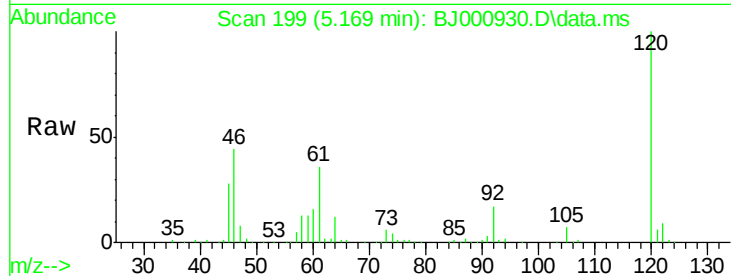
ClientSampled :

CWA-4

Tgt Ion	Ratio	Resp	Lower	Upper
46	100	568001		
61	81.9	61.9	101.9	
120	228.1	208.1	248.1	

Manual Integrations
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6/14/2012 12:45:01 AM



#8

Thiodiglycol

Concen: 41.97 ug/mL m

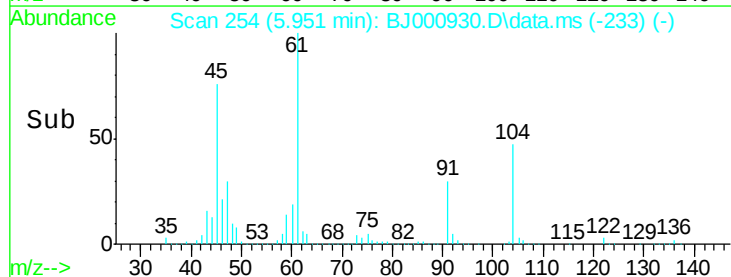
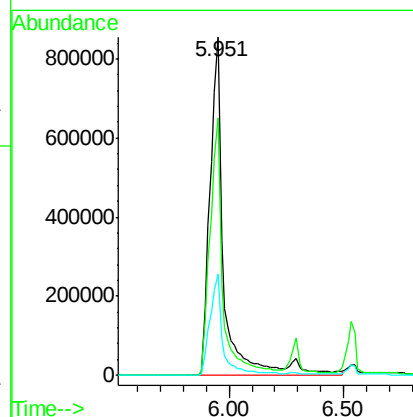
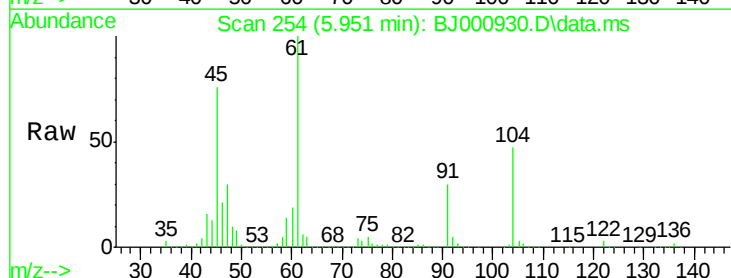
RT: 5.951 min Scan# 254

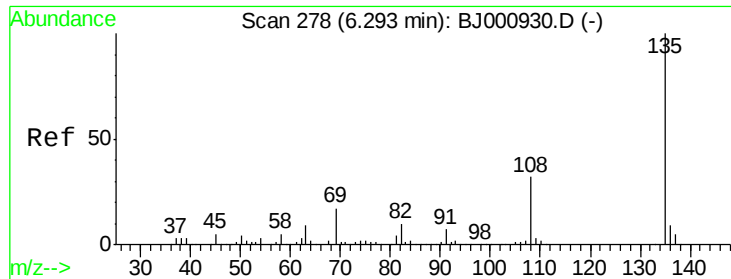
Delta R.T. 0.000 min

Lab File: BJ000930.D

Acq: 8 Jun 2012 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	3570596		
45	76.3	56.3	96.3	
47	30.1	10.1	50.1	





#9

Benzothiazole

Concen: 12.96 ug/mL

RT: 6.293 min Scan# 27

Delta R.T. 0.000 min

Lab File: BJ000930.D

Acq: 8 Jun 2012 12:25

Instrument :

BNA_J

ClientSampleId :

CWA-4

Tgt Ion:135 Resp: 4125653

Ion Ratio Lower Upper

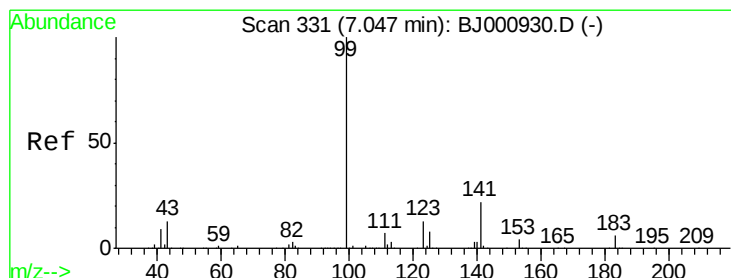
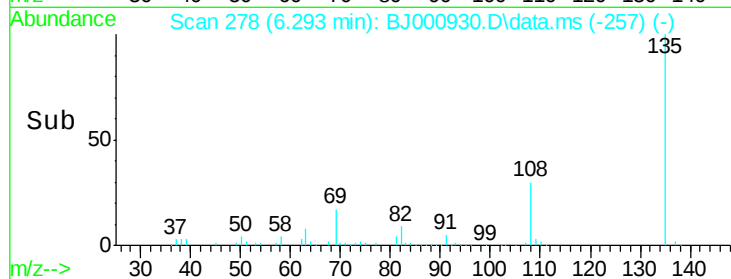
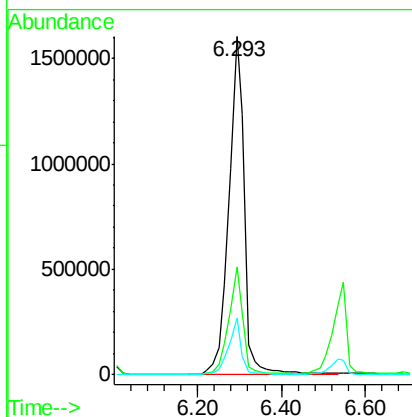
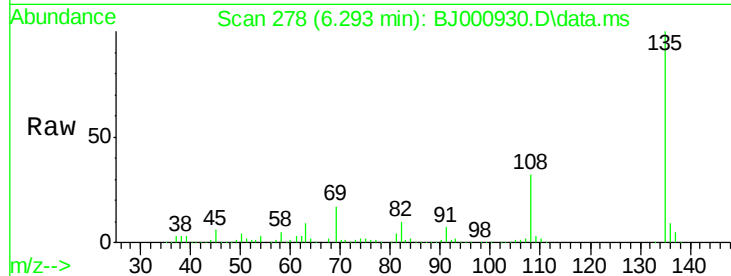
135 100

108 32.0 12.0 52.0

69 16.6 0.0 36.6

Manual Integrations
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6/14/2012 12:45:01 AM



#10

Tripropylphosphate

Concen: 2.97 ug/mL

RT: 7.047 min Scan# 331

Delta R.T. 0.000 min

Lab File: BJ000930.D

Acq: 8 Jun 2012 12:25

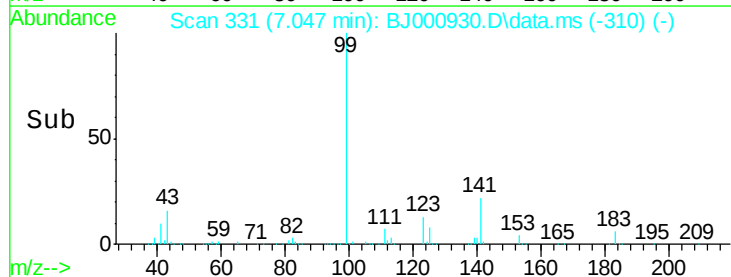
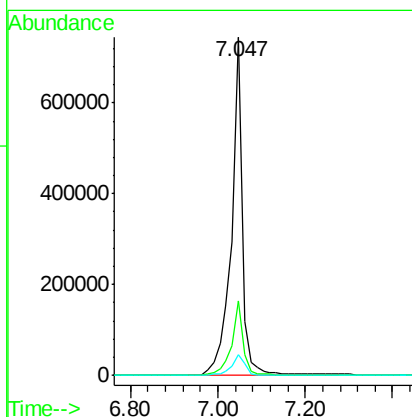
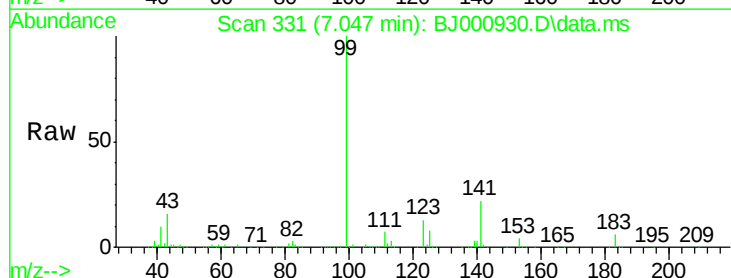
Tgt Ion: 99 Resp: 1296449

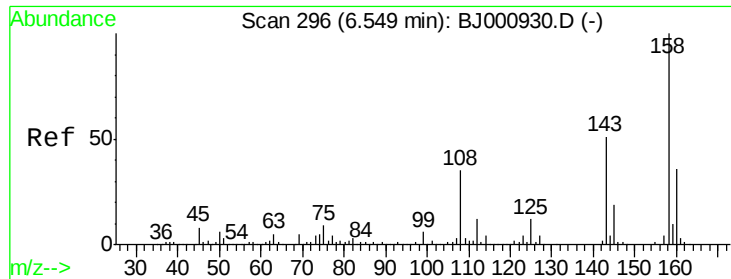
Ion Ratio Lower Upper

99 100

141 23.1 18.5 27.7

183 7.3 5.8 8.8





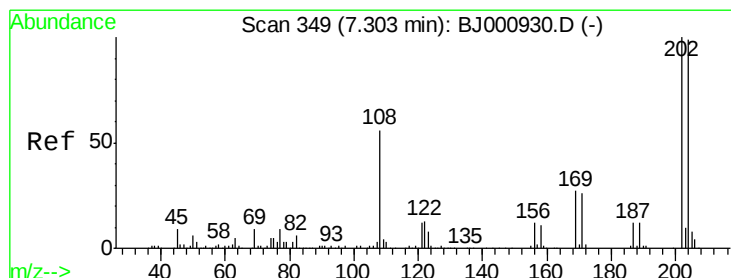
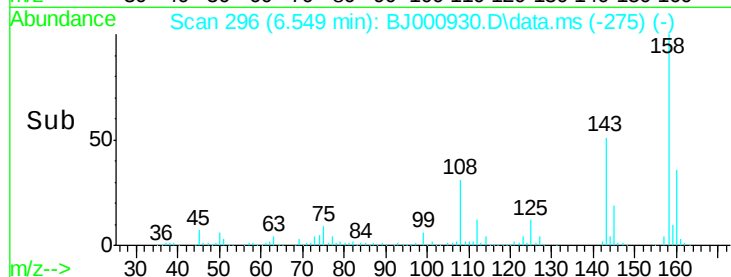
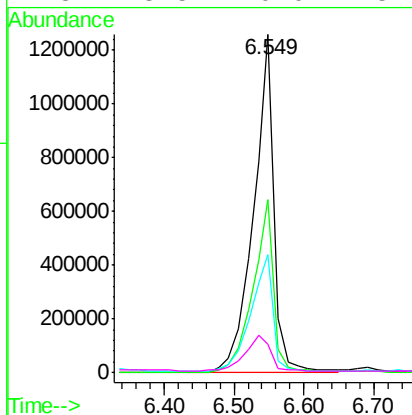
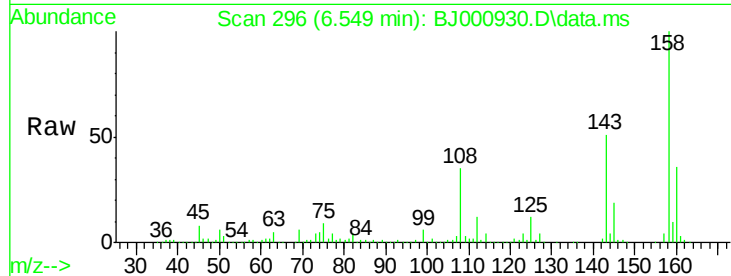
#11
p-Chlorophenylmethylsulfide
Concen: 11.70 ug/mL
RT: 6.549 min Scan# 296
Delta R.T. 0.000 min
Lab File: BJ000930.D
Acq: 8 Jun 2012 12:25

Instrument :
BNA_J
ClientSampleId :
CWA-4

Tgt Ion	Ratio	Lower	Upper
158	100		
143	51.3	31.3	71.3
108	34.9	14.9	54.9
45	8.5	0.0	28.5

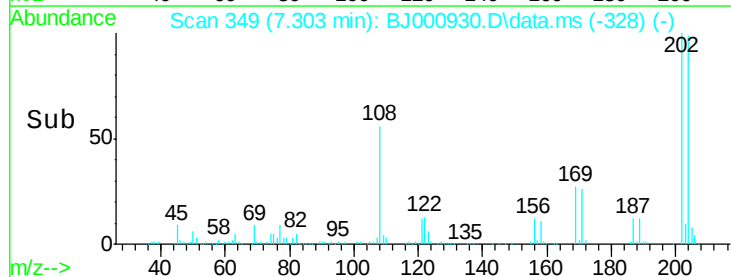
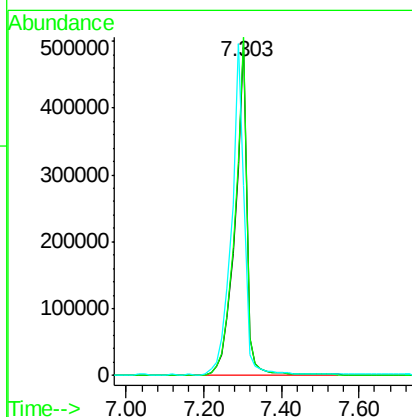
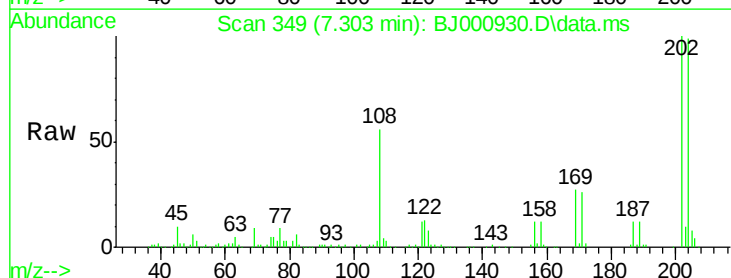
Manual Integrations
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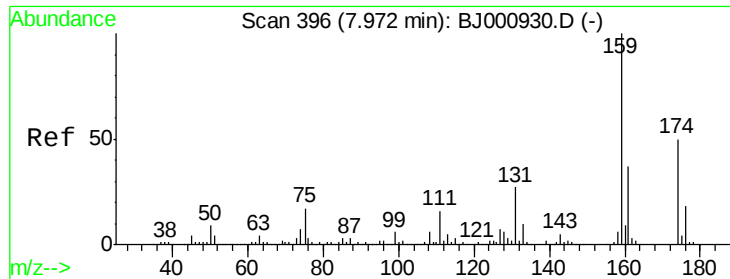
AHPatel
6/14/2012 12:45:01 AM



#12
2-Bromothioanisole
Concen: 12.67 ug/mL
RT: 7.303 min Scan# 349
Delta R.T. 0.000 min
Lab File: BJ000930.D
Acq: 8 Jun 2012 12:25

Tgt Ion	Ratio	Lower	Upper
204	100		
202	101.4	81.4	121.4
108	57.1	37.1	77.1





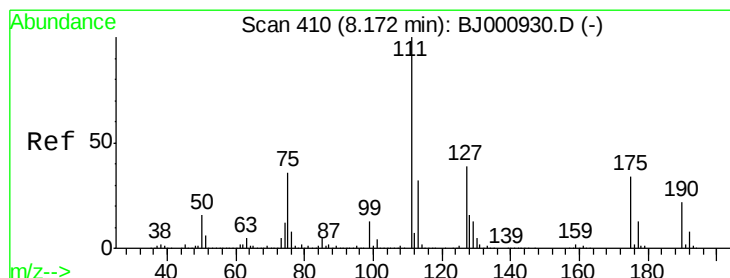
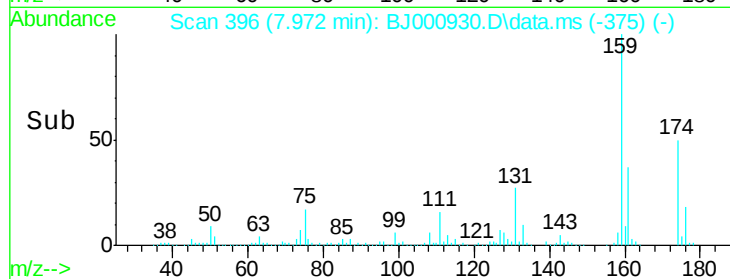
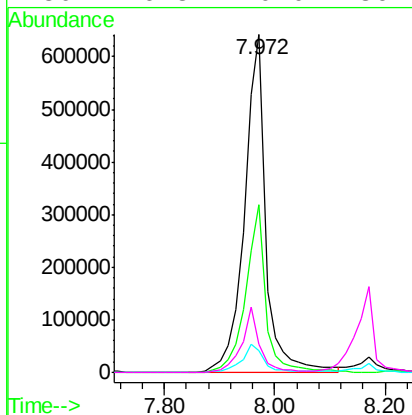
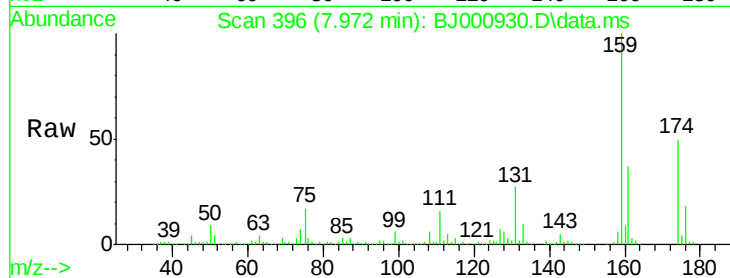
#13
p-Chlorophenylmethylsulfoxide
Concen: 13.91 ug/mL
RT: 7.972 min Scan# 396
Delta R.T. 0.000 min
Lab File: BJ000930.D
Acq: 8 Jun 2012 12:25

Instrument :
BNA_J
ClientSampleId :
CWA-4

Tgt Ion	Ratio	Lower	Upper
159	100		
174	47.0	27.0	67.0
108	8.3	0.0	28.3
50	16.8	0.0	36.8

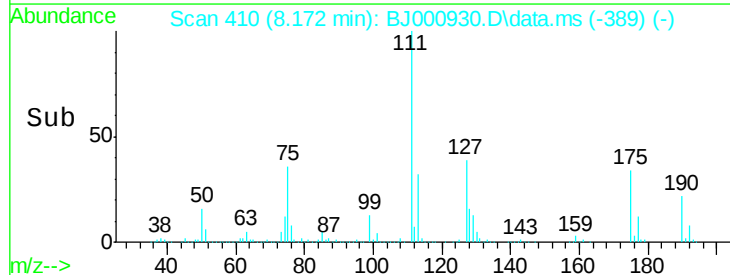
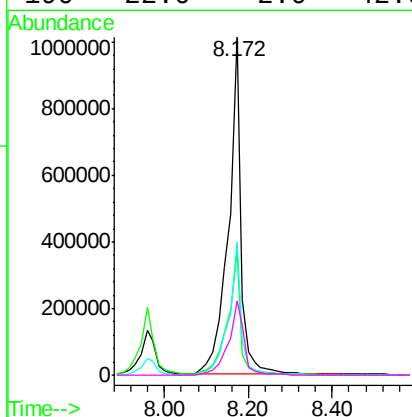
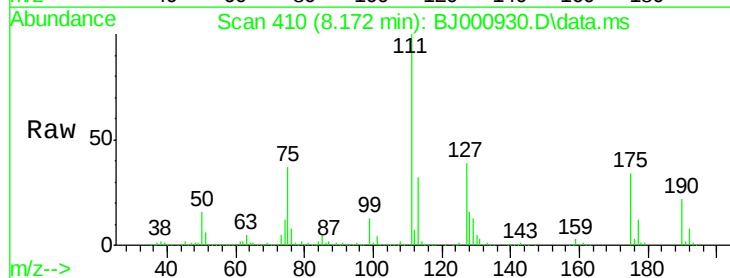
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 11.75 ug/mL
RT: 8.172 min Scan# 410
Delta R.T. 0.000 min
Lab File: BJ000930.D
Acq: 8 Jun 2012 12:25

Tgt Ion	Ratio	Lower	Upper
111	100		
75	36.5	16.5	56.5
127	39.3	19.3	59.3
190	22.0	2.0	42.0



Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
 Data File : BJ000930.D
 Acq On : 8 Jun 2012 12:25
 Operator : HLM
 Sample : CWA-4
 Misc : BNA_J HLM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-4

Manual Integrations
 APPROVED

AHPatel
 6/14/2012 12:45:01 AM

Quant Time: Jun 13 04:19:18 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Jun 08 15:35:00 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.713	152	314756	2.00	ug/mL	0.00
6) Naphthalene-d8	6.008	136	1278687	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.047	99	1296449	2.97	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	594.00%#	
12) 2-Bromothioanisole	7.303	204	1063208	12.67	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	253.40%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.635	94	680453	5.87	ug/mL	100
3) DMMP	3.575	79	297296	2.92	ug/mL	100
4) DIMP	4.984	97	729767	2.63	ug/mL	100
5) 1,4-Oxathiane	3.688	46	671086	6.01	ug/mL	100
7) 1,4-Dithiane	5.169	46	568001	6.73	ug/mL	100
8) Thiodiglycol	5.951	61	3570596m	41.97	ug/mL	
9) Benzothiazole	6.293	135	4125653	12.96	ug/mL	100
11) p-Chlorophenylmethyisu...	6.549	158	2577061	11.70	ug/mL	100
13) p-Chlorophenylmethyisu...	7.972	159	1708822	13.91	ug/mL	100
14) p-Chlorophenylmethyisu...	8.172	111	2128098	11.75	ug/mL	100

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