

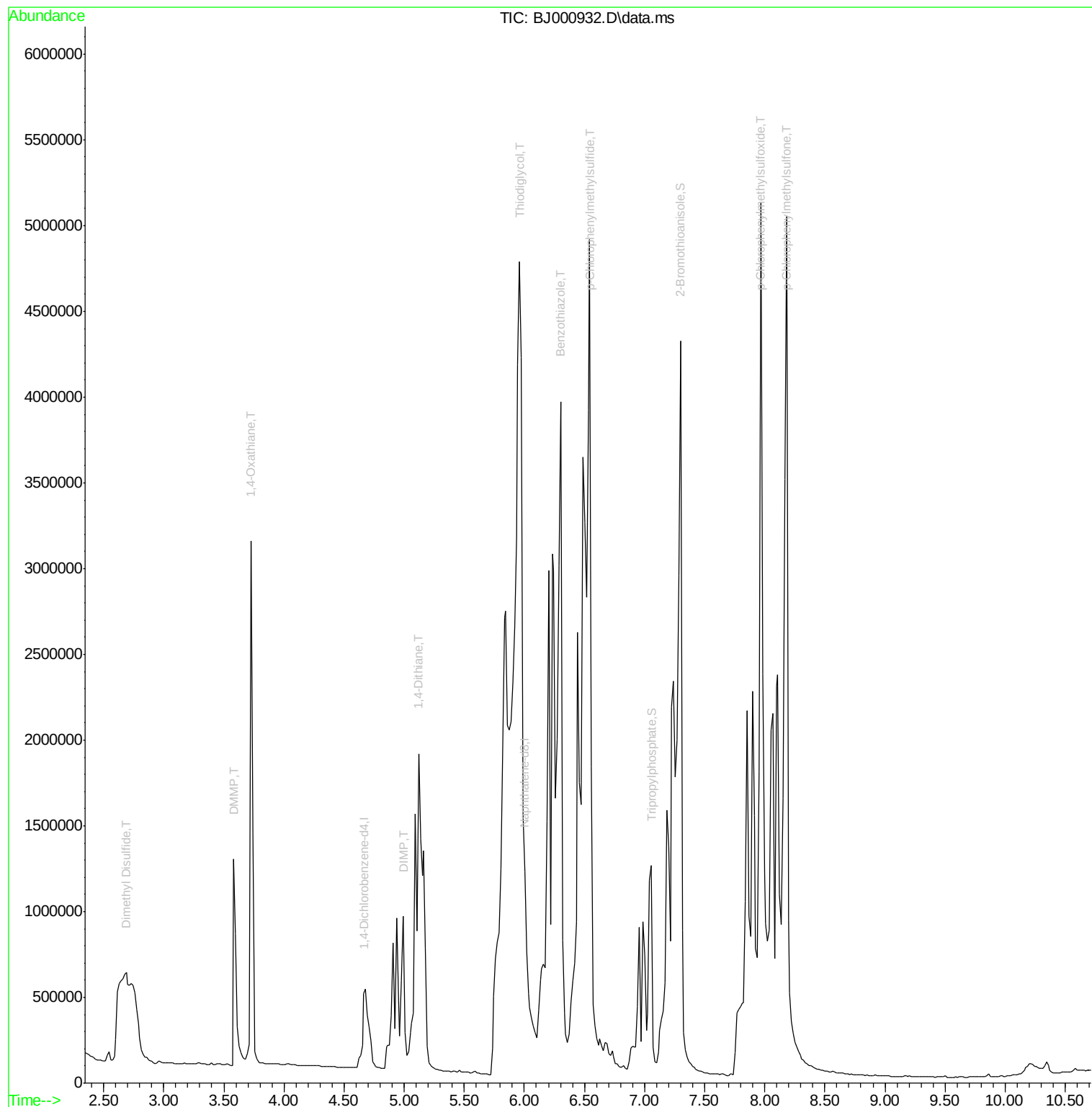
Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
Data File : BJ000932.D
Acq On : 8 Jun 2012 13:44
Operator : HLM
Sample : CWA-5
Misc : BNA_J HLM
ALS Vial : 4 Sample Multiplier: 1

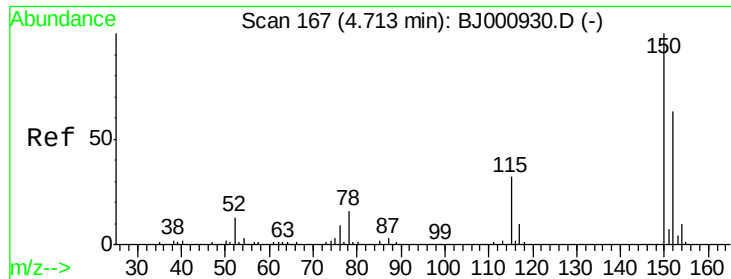
Instrument :
BNA_J
ClientSampleId :
CWA-5

Manual Integrations
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AHPatel
6/14/2012 12:45:05 AM

Quant Time: Jun 13 07:45:50 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: 4.665 min Scan# 16

Delta R.T. -0.048 min

Lab File: BJ000932.D

Acq: 8 Jun 2012 13:44

Instrument :

BNA_J

ClientSampled :

CWA-5

Tgt Ion:152 Resp: 330924

Ion Ratio Lower Upper

152 100

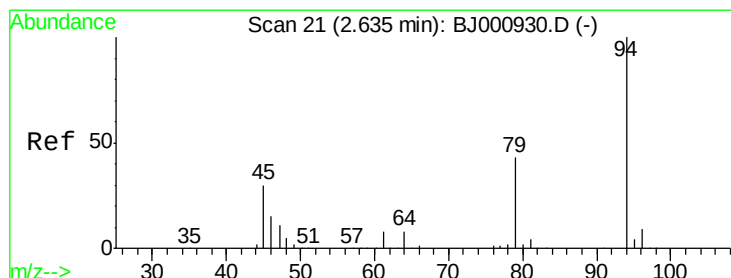
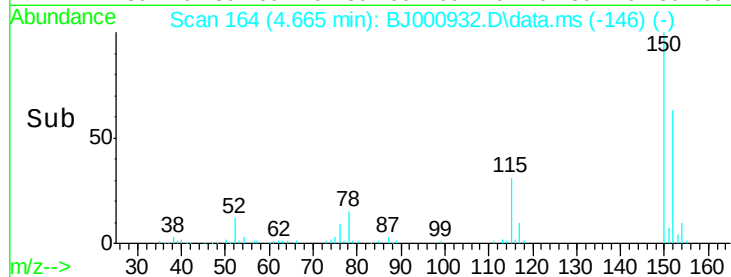
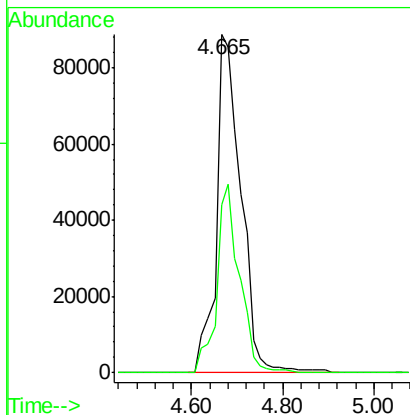
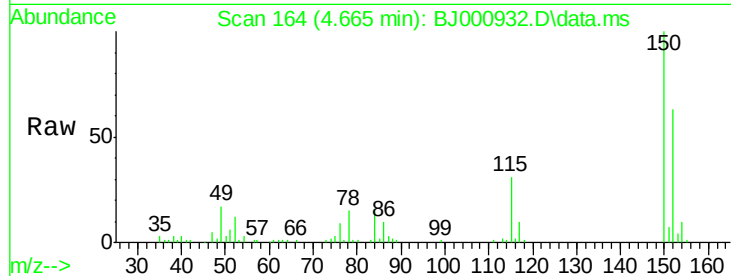
115 49.7 30.6 70.6

Manual Integrations

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#2

Dimethyl Disulfide

Concen: 13.57 ug/mL

RT: 2.687 min Scan# 25

Delta R.T. 0.052 min

Lab File: BJ000932.D

Acq: 8 Jun 2012 13:44

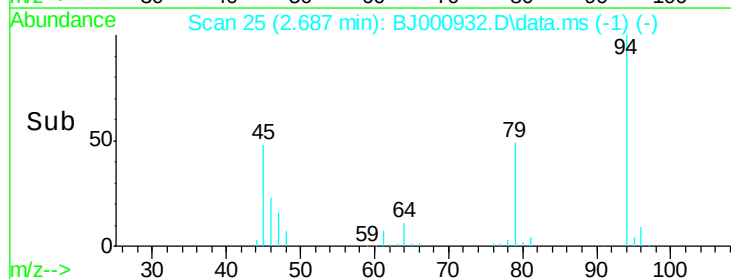
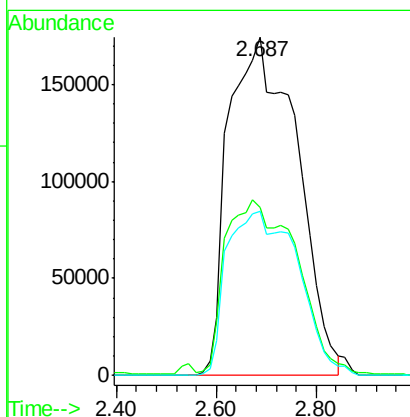
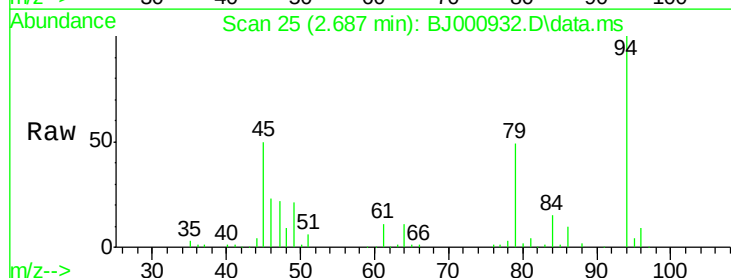
Tgt Ion: 94 Resp: 1654282

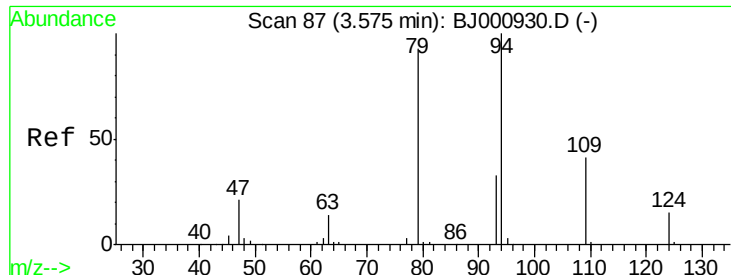
Ion Ratio Lower Upper

94 100

45 49.5 11.1 51.1

79 48.6 22.9 62.9





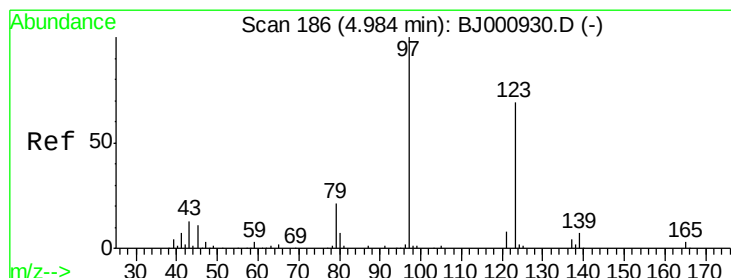
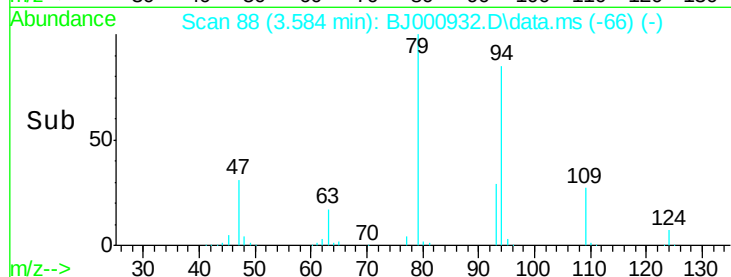
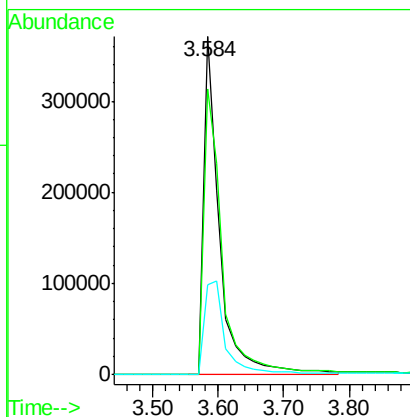
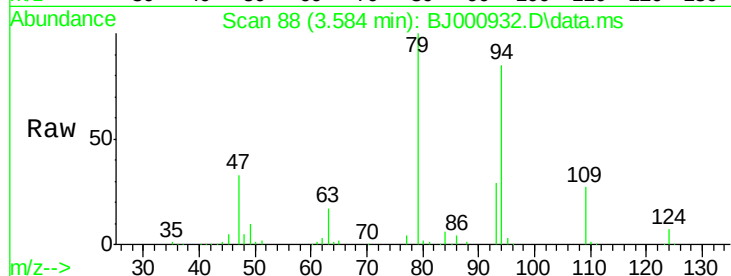
#3
DMMP
Concen: 5.88 ug/mL
RT: 3.584 min Scan# 88
Delta R.T. 0.009 min
Lab File: BJ000932.D
Acq: 8 Jun 2012 13:44

Instrument :
BNA_J
ClientSampleId :
CWA-5

Tgt Ion: 79 Resp: 640614
Ion Ratio Lower Upper
79 100
94 84.6 87.0 127.0#
109 26.6 24.1 64.1

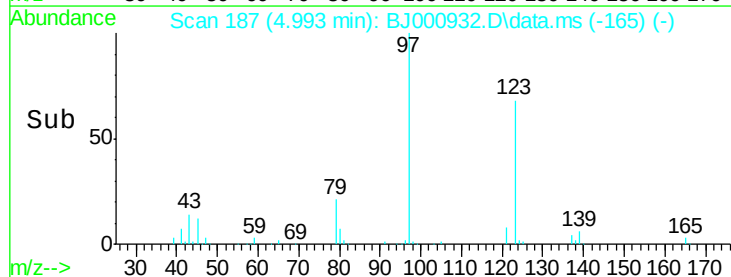
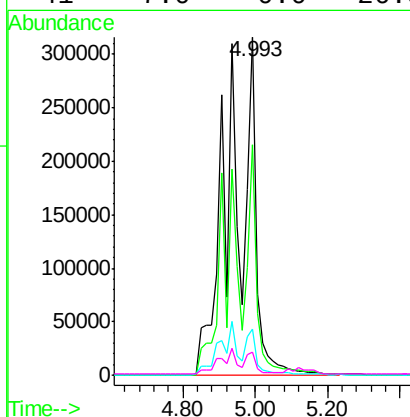
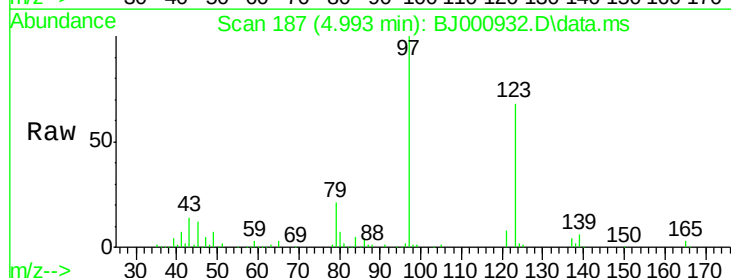
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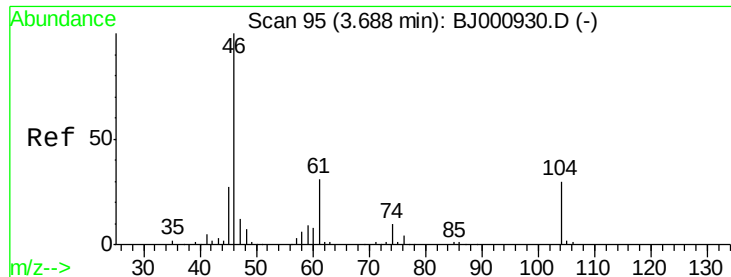
AHPatel
6/14/2012 12:45:05 AM



#4
DIMP
Concen: 5.15 ug/mL m
RT: 4.993 min Scan# 187
Delta R.T. 0.009 min
Lab File: BJ000932.D
Acq: 8 Jun 2012 13:44

Tgt Ion: 97 Resp: 1503710
Ion Ratio Lower Upper
97 100
123 68.3 49.1 89.1
43 13.7 0.0 33.2
41 7.0 0.0 26.5





#5

1,4-Oxathiane

Concen: 10.30 ug/mL

RT: 3.726 min Scan# 98

Delta R.T. 0.038 min

Lab File: BJ000932.D

Acq: 8 Jun 2012 13:44

Instrument :

BNA_J

ClientSampled :

CWA-5

Tgt Ion: 46 Resp: 1209372

Ion Ratio Lower Upper

46 100

61 32.2 11.2 51.2

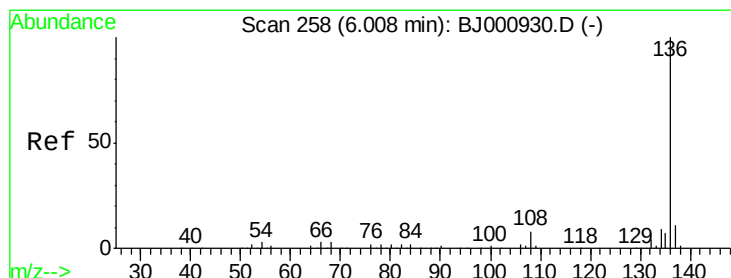
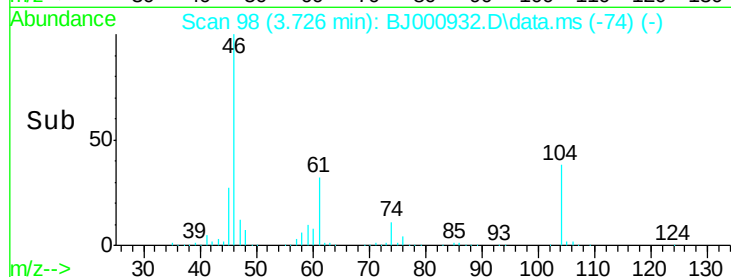
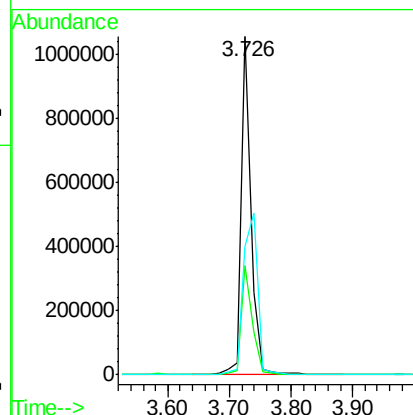
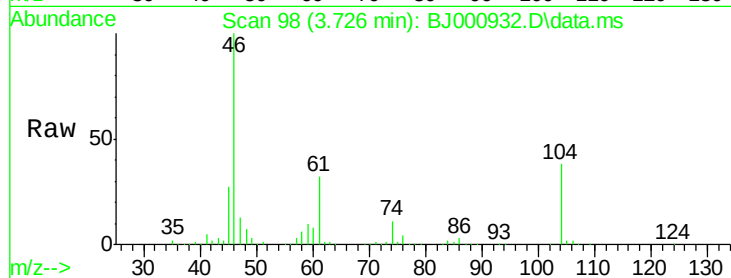
104 37.7 10.0 50.0

Manual Integrations

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#6

Naphthalene-d8

Concen: 2.00 ug/mL m

RT: 6.003 min Scan# 258

Delta R.T. -0.005 min

Lab File: BJ000932.D

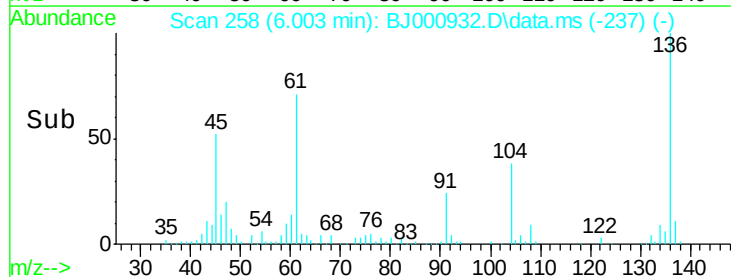
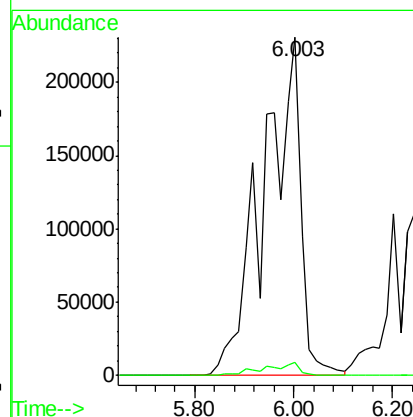
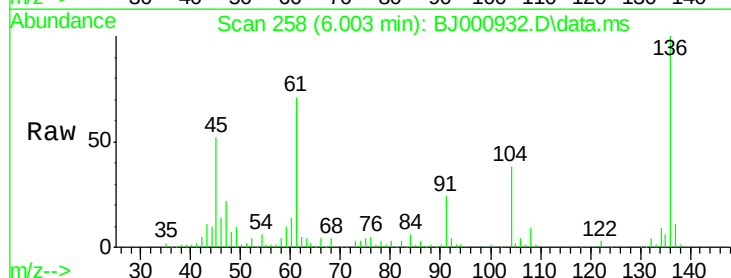
Acq: 8 Jun 2012 13:44

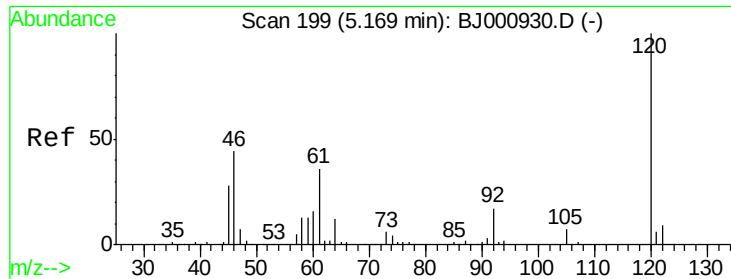
Tgt Ion: 136 Resp: 1198445

Ion Ratio Lower Upper

136 100

68 3.7 0.0 22.7





#7

1,4-Dithiane

Concen: 14.18 ug/mL

RT: 5.121 min Scan# 19

Delta R.T. -0.048 min

Lab File: BJ000932.D

Acq: 8 Jun 2012 13:44

Instrument :

BNA_J

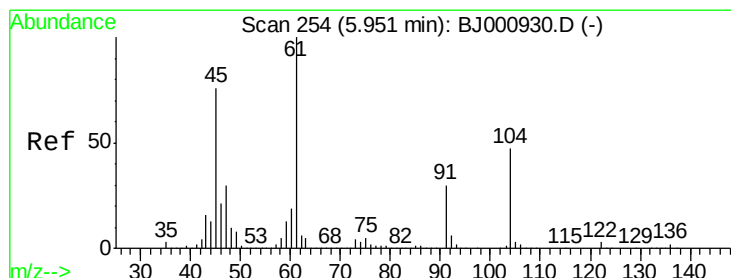
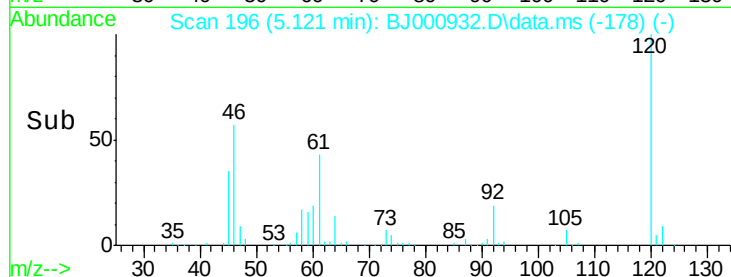
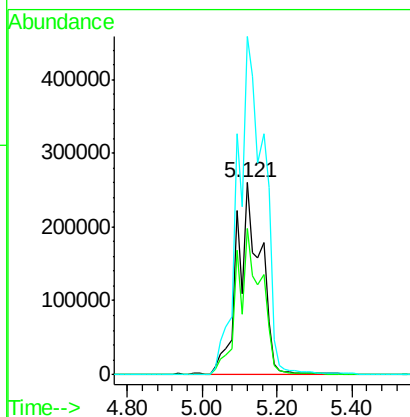
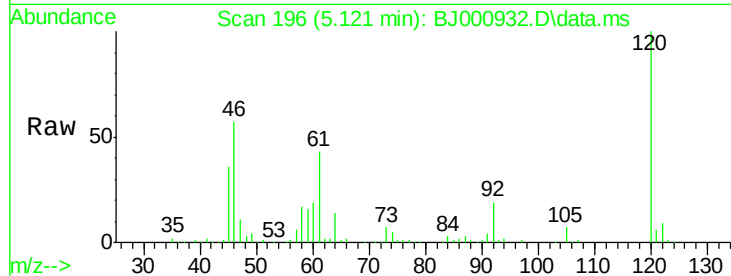
ClientSampled :

CWA-5

Tgt Ion: 46 Resp: 1122174
 Ion Ratio Lower Upper
 46 100
 61 76.1 61.9 101.9
 120 176.1 208.1 248.1#

Manual Integrations
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#8

Thiodiglycol

Concen: 105.31 ug/mL m

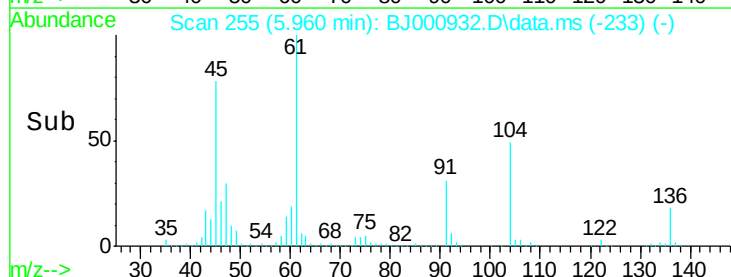
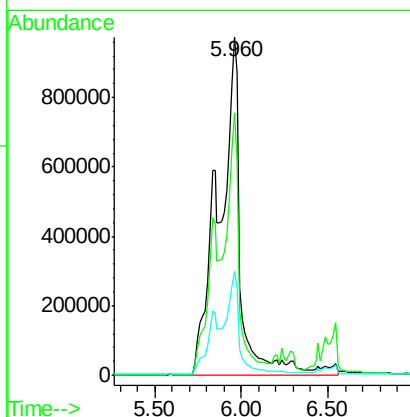
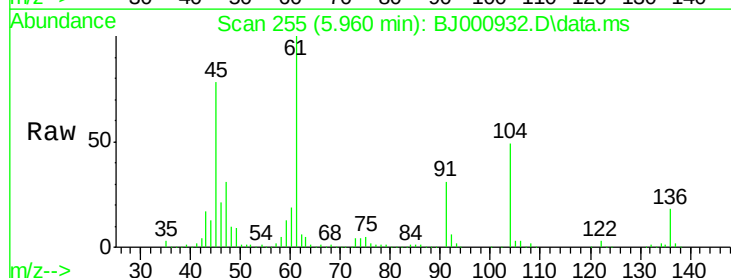
RT: 5.960 min Scan# 255

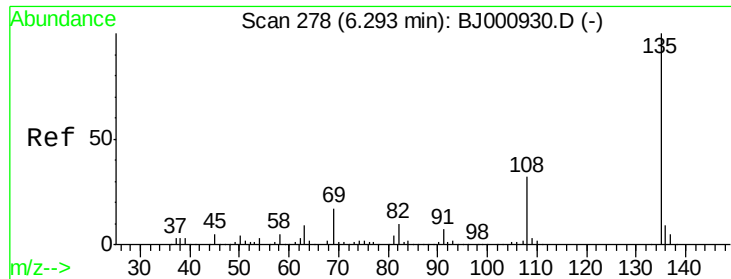
Delta R.T. 0.009 min

Lab File: BJ000932.D

Acq: 8 Jun 2012 13:44

Tgt Ion: 61 Resp: 8612267
 Ion Ratio Lower Upper
 61 100
 45 77.6 56.3 96.3
 47 30.8 10.1 50.1





#9

Benzothiazole

Concen: 29.58 ug/mL m

RT: 6.302 min Scan# 27

Delta R.T. 0.009 min

Lab File: BJ000932.D

Acq: 8 Jun 2012 13:44

Instrument :

BNA_J

ClientSampleId :

CWA-5

Tgt Ion:135 Resp: 8821555

Ion Ratio Lower Upper

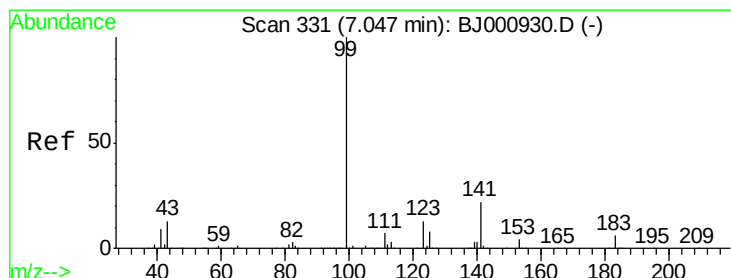
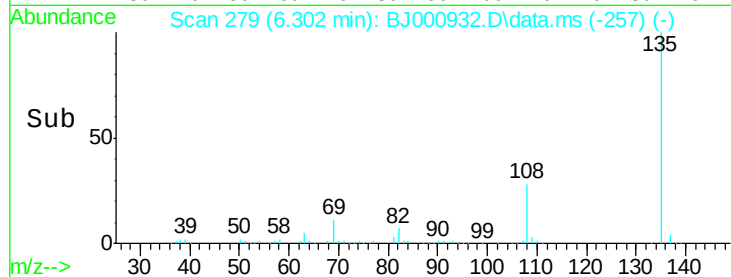
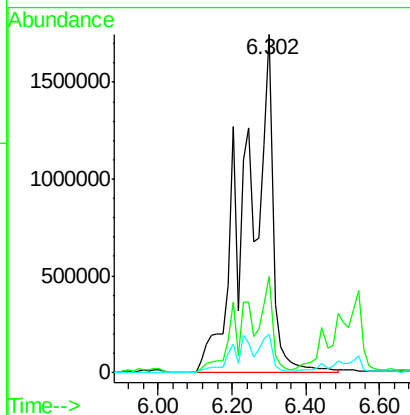
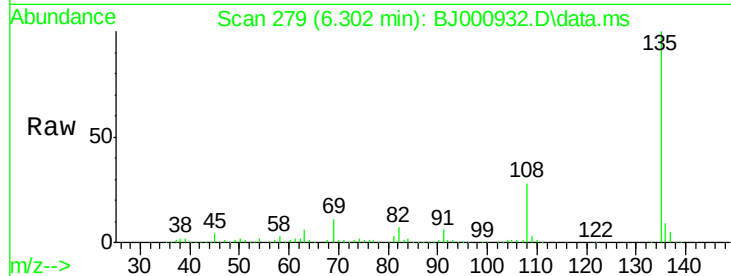
135 100

108 28.3 12.0 52.0

69 11.3 0.0 36.6

Manual Integrations
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#10

Tripropylphosphate

Concen: 6.21 ug/mL m

RT: 7.056 min Scan# 332

Delta R.T. 0.009 min

Lab File: BJ000932.D

Acq: 8 Jun 2012 13:44

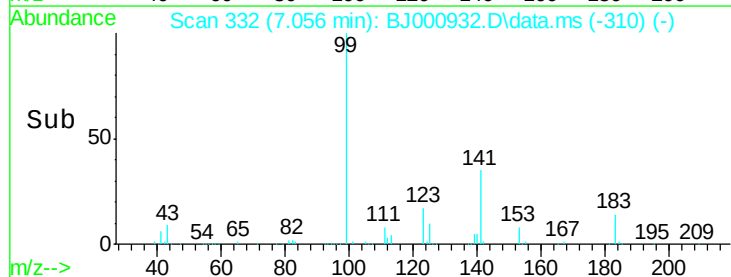
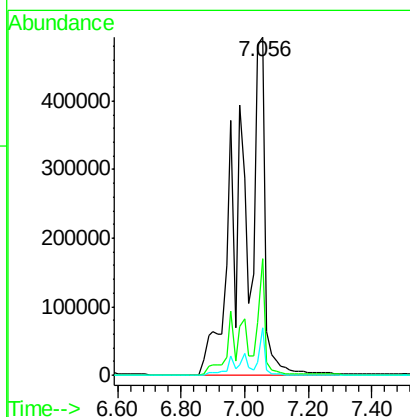
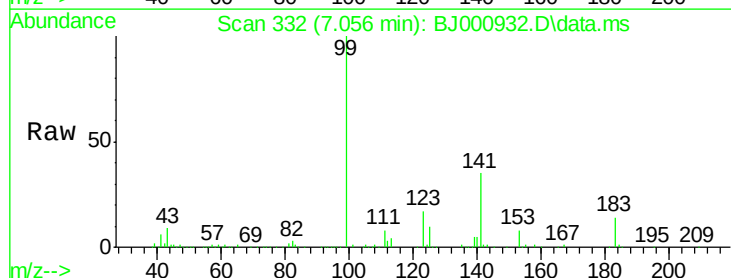
Tgt Ion: 99 Resp: 2536453

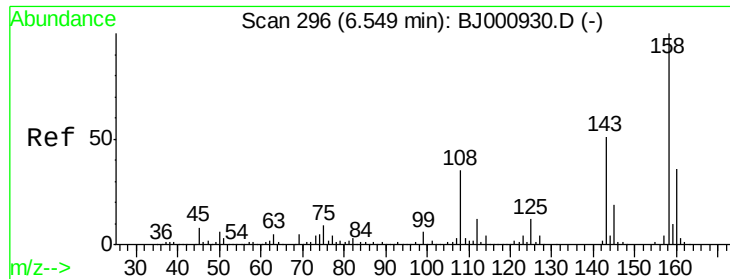
Ion Ratio Lower Upper

99 100

141 7.0 18.5 27.7#

183 2.2 5.8 8.8#





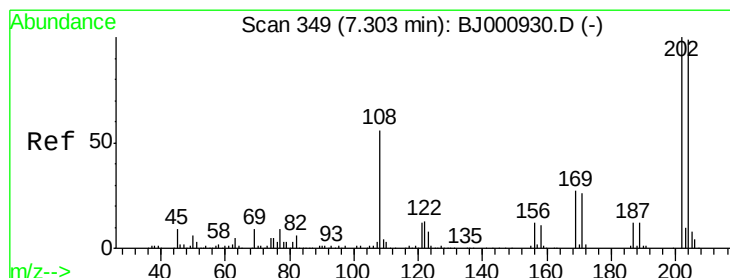
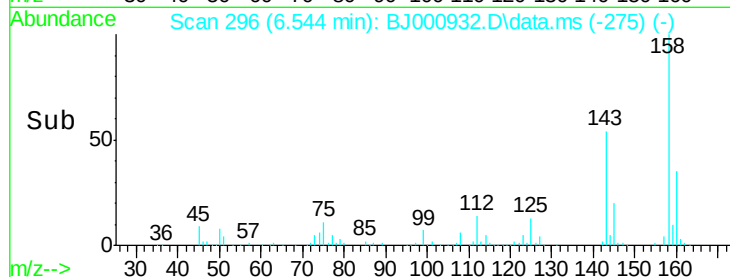
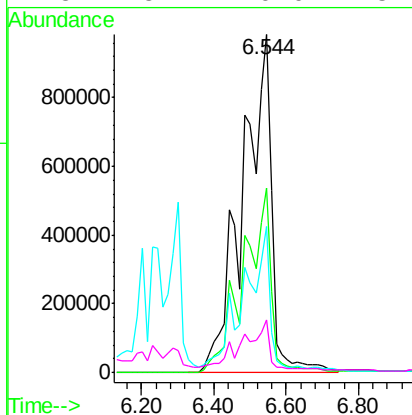
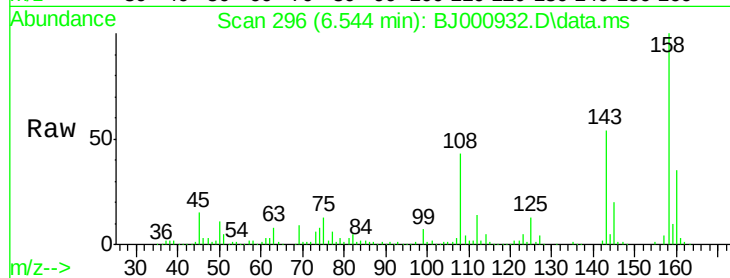
#11
 p-Chlorophenylmethylsulfide
 Concen: 26.19 ug/mL
 RT: 6.544 min Scan# 29
 Delta R.T. -0.005 min
 Lab File: BJ000932.D
 Acq: 8 Jun 2012 13:44

Instrument :
 BNA_J
 ClientSampleId :
 CWA-5

Tgt Ion:	158	Resp:	5405108
Ion Ratio	Lower	Upper	
158	100		
143	54.4	31.3	71.3
108	43.1	14.9	54.9
45	15.4	0.0	28.5

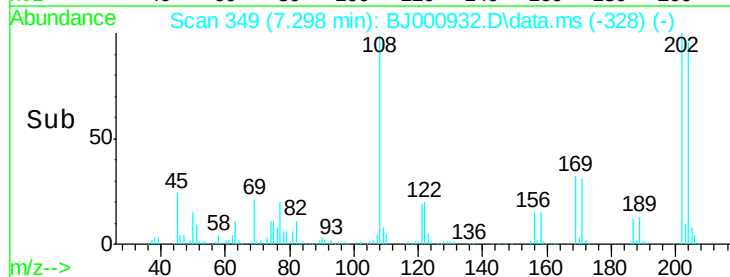
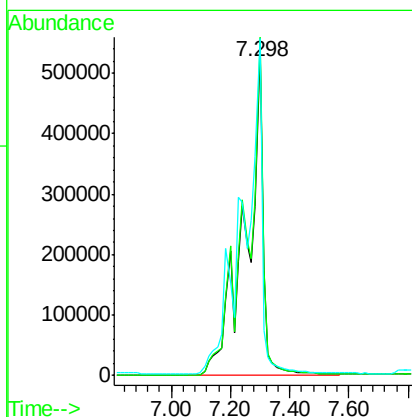
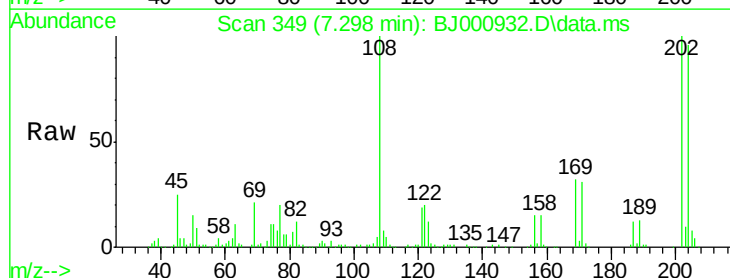
Manual Integrations
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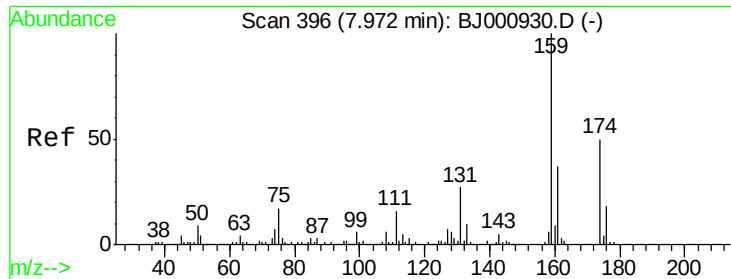
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#12
 2-Bromothioanisole
 Concen: 27.76 ug/mL m
 RT: 7.298 min Scan# 349
 Delta R.T. -0.005 min
 Lab File: BJ000932.D
 Acq: 8 Jun 2012 13:44

Tgt Ion:	204	Resp:	2182900
Ion Ratio	Lower	Upper	
204	100		
202	104.4	81.4	121.4
108	104.1	37.1	77.1#





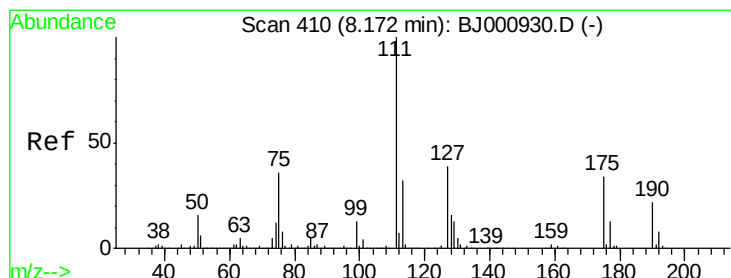
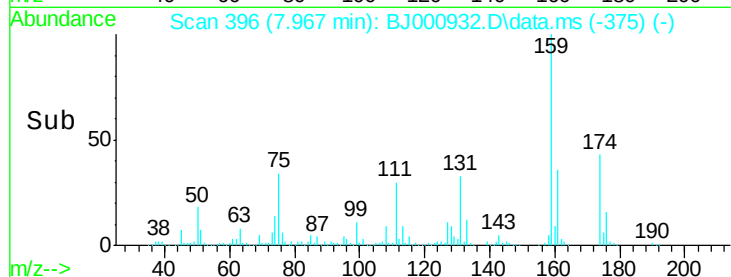
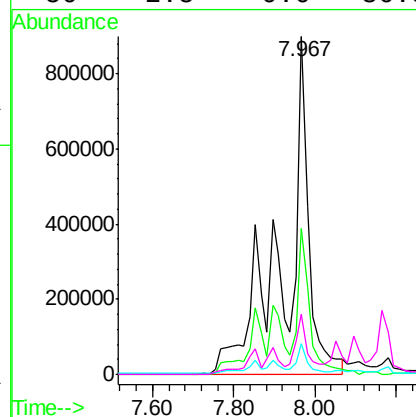
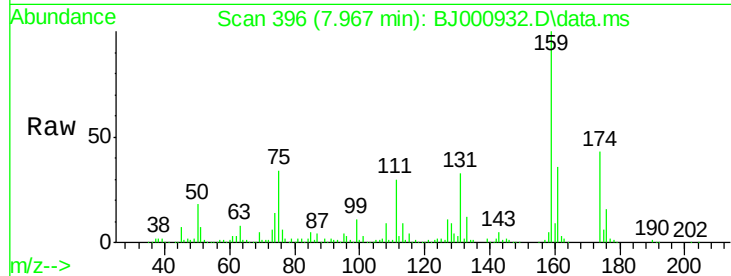
#13
p-Chlorophenylmethylsulfoxide
Concen: 31.88 ug/mL m
RT: 7.967 min Scan# 39
Delta R.T. -0.005 min
Lab File: BJ000932.D
Acq: 8 Jun 2012 13:44

Instrument :
BNA_J
ClientSampleId :
CWA-5

Tgt Ion:159 Resp: 3670517
Ion Ratio Lower Upper
159 100
174 10.5 27.0 67.0#
108 1.7 0.0 28.3
50 2.5 0.0 36.8

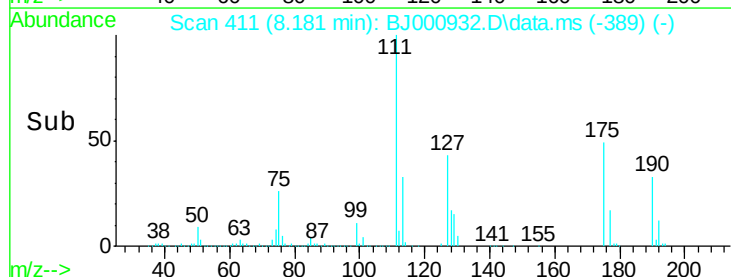
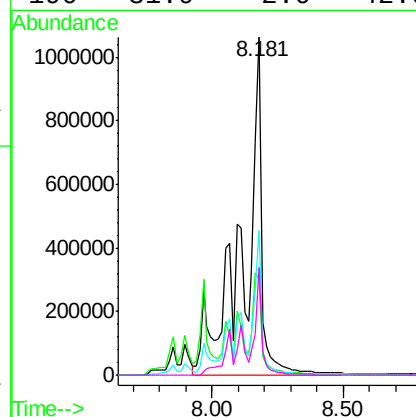
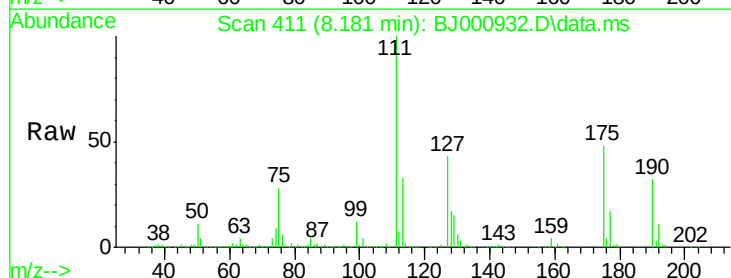
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#14
p-Chlorophenylmethylsulfone
Concen: 30.13 ug/mL m
RT: 8.181 min Scan# 411
Delta R.T. 0.009 min
Lab File: BJ000932.D
Acq: 8 Jun 2012 13:44

Tgt Ion:111 Resp: 5112984
Ion Ratio Lower Upper
111 100
75 28.3 16.5 56.5
127 43.0 19.3 59.3
190 31.9 2.0 42.0



Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
 Data File : BJ000932.D
 Acq On : 8 Jun 2012 13:44
 Operator : HLM
 Sample : CWA-5
 Misc : BNA_J HLM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-5

Manual Integrations
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 6/14/2012 12:45:05 AM

Quant Time: Jun 13 07:45:50 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	4.665	152	330924	2.00	ug/mL	-0.05
6) Naphthalene-d8	6.003	136	1198445m	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.056	99	2536453m	6.21	ug/mL	0.00
Spiked Amount 0.500	Range 70	- 130	Recovery	= 1242.00%#		
12) 2-Bromothioanisole	7.298	204	2182900m	27.76	ug/mL	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	= 555.20%#		
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.687	94	1654282	13.57	ug/mL	81
3) DMMP	3.584	79	640614	5.88	ug/mL#	77
4) DIMP	4.993	97	1503710m	5.15	ug/mL	
5) 1,4-Oxathiane	3.726	46	1209372	10.30	ug/mL	92
7) 1,4-Dithiane	5.121	46	1122174	14.18	ug/mL#	75
8) Thiodiglycol	5.960	61	8612267m	105.31	ug/mL	
9) Benzothiazole	6.302	135	8821555m	29.58	ug/mL	
11) p-Chlorophenylmethyisu...	6.544	158	5405108	26.19	ug/mL	91
13) p-Chlorophenylmethyisu...	7.967	159	3670517m	31.88	ug/mL	
14) p-Chlorophenylmethyisu...	8.181	111	5112984m	30.13	ug/mL	

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