

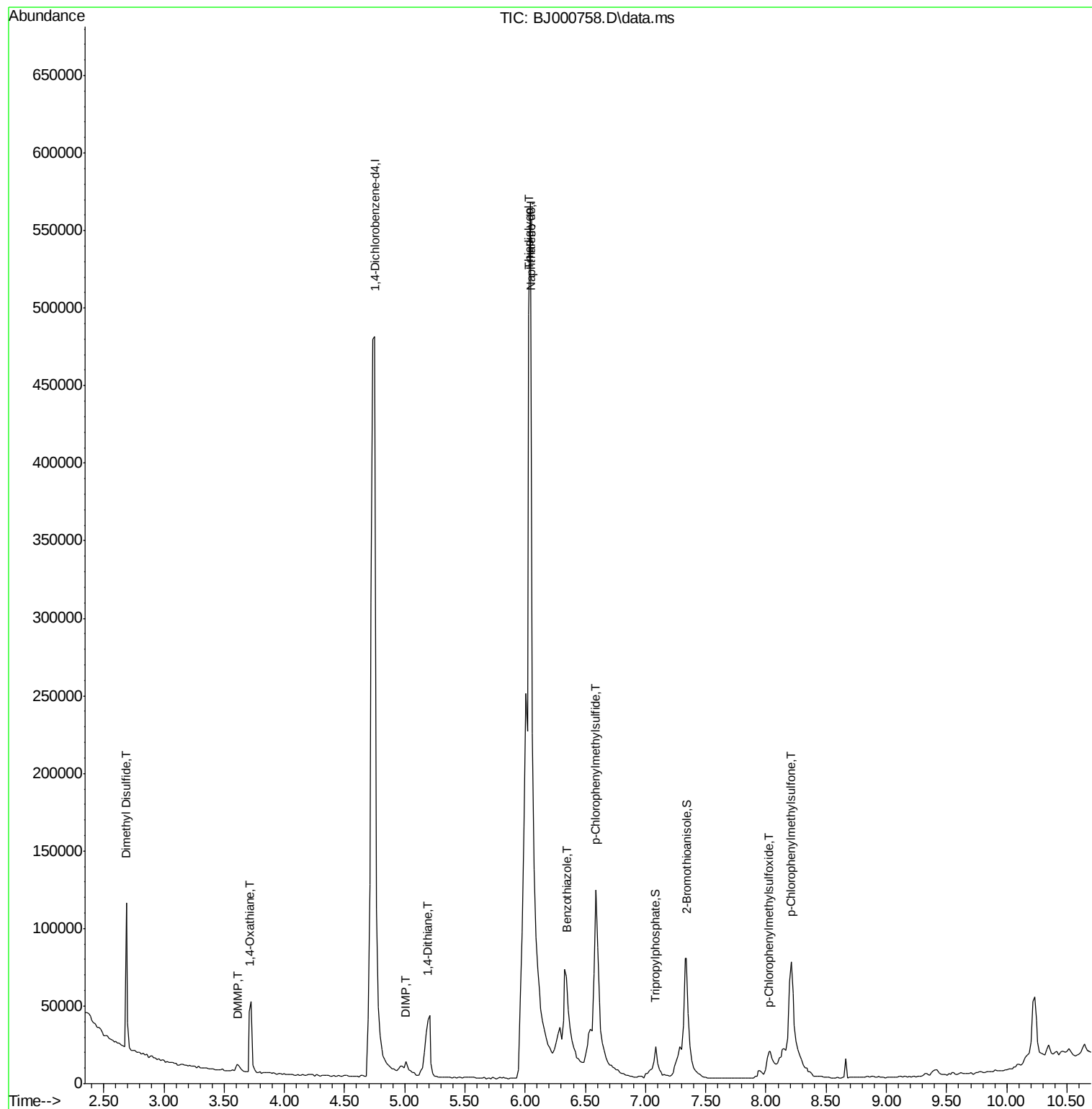
Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
Data File : BJ000758.D
Acq On : 17 Apr 2012 14:52
Operator : HLM
Sample : CWA-1
Misc : BNA_J HLM
ALS Vial : 7 Sample Multiplier: 1

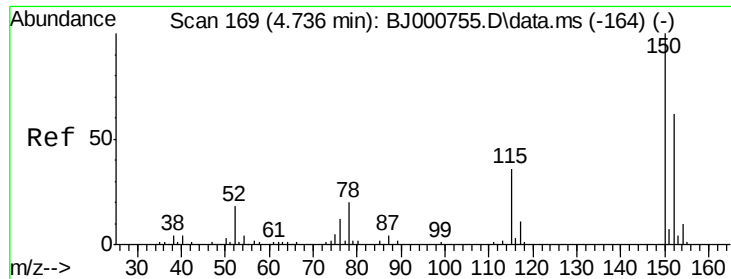
Instrument :
BNA_J
ClientSampleId :
CWA-1

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:10 AM

Quant Time: Apr 21 04:56:08 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ041712.M
Quant Title : CWA degradation products by GCMS
QLast Update : Tue Apr 17 16:51:03 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.751 min Scan# 17

Delta R.T. 0.014 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Instrument :

BNA_J

ClientSampled :

CWA-1

Tgt Ion:152 Resp: 291571

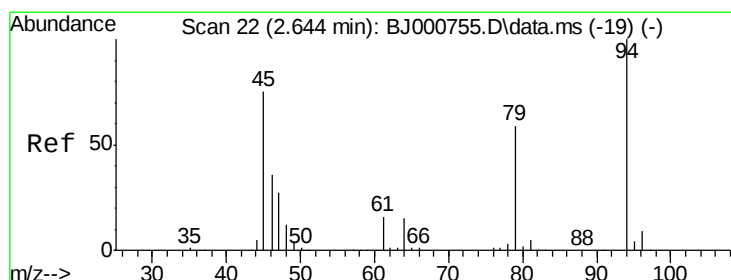
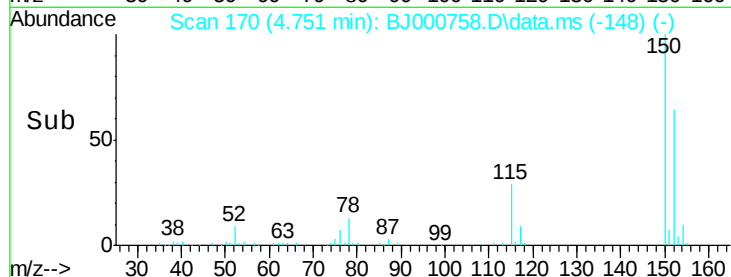
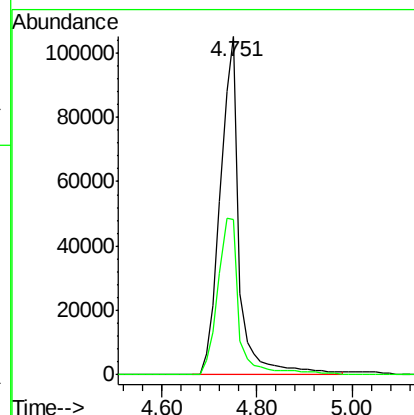
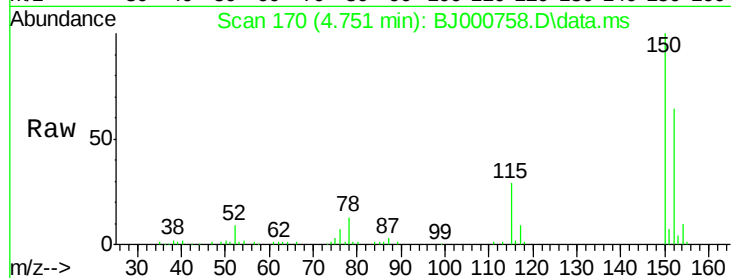
Ion Ratio Lower Upper

152 100

115 46.0 38.0 78.0

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:10 AM



#2

Dimethyl Disulfide

Concen: 0.21 ug/mL

RT: 2.687 min Scan# 25

Delta R.T. 0.043 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

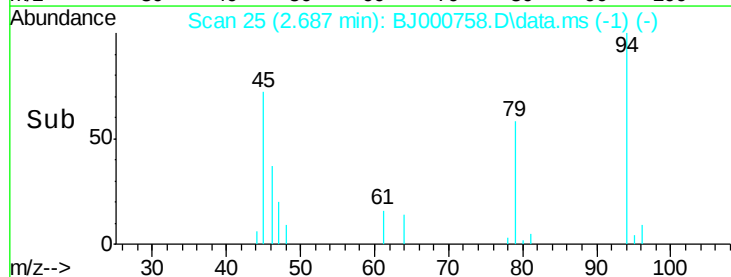
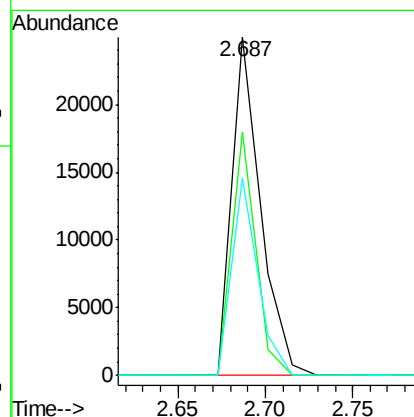
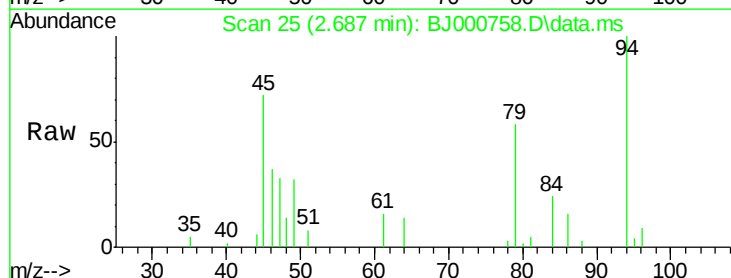
Tgt Ion: 94 Resp: 28436

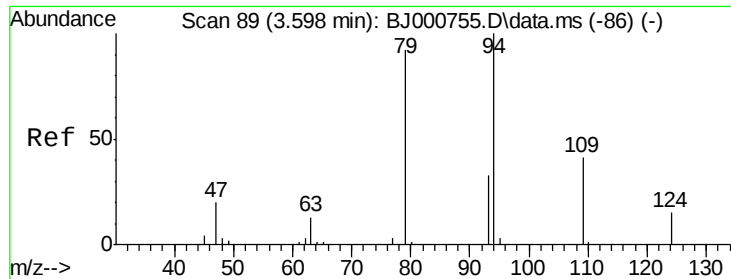
Ion Ratio Lower Upper

94 100

45 72.0 54.7 94.7

79 58.4 38.8 78.8





#3

DMMP

Concen: 0.07 ug/mL

RT: 3.612 min Scan# 90

Delta R.T. 0.014 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Instrument :

BNA_J

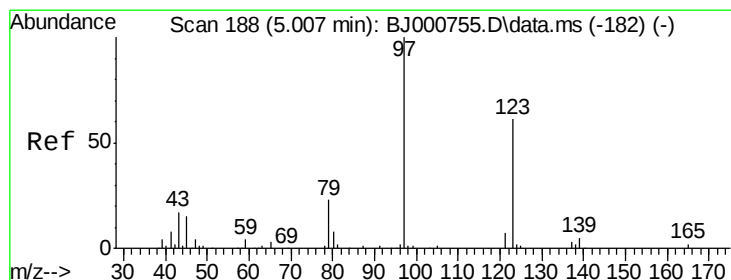
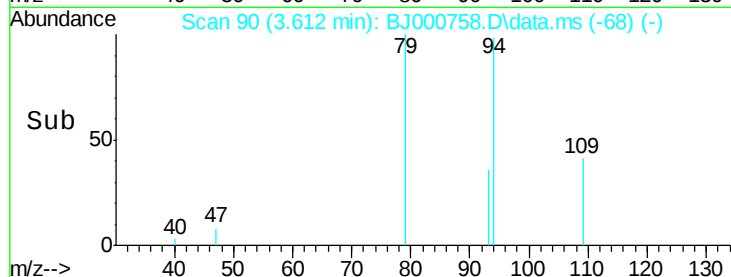
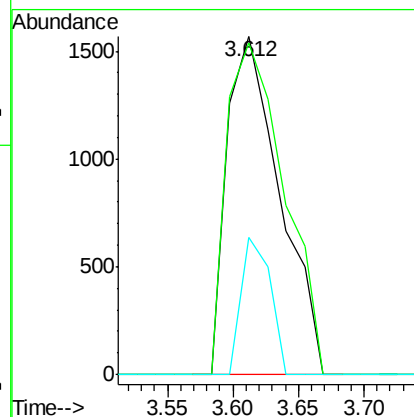
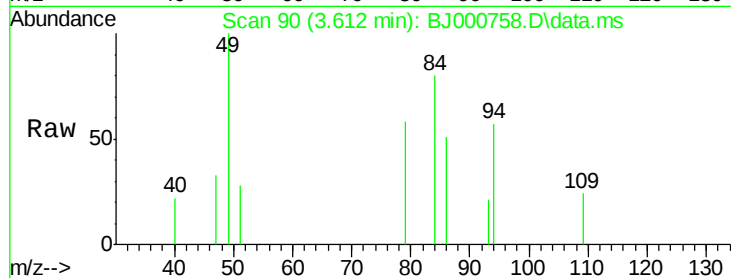
ClientSampled :

CWA-1

Tgt Ion:	79	Resp:	4389
Ion Ratio	Lower	Upper	
79	100		
94	98.2	88.2	128.2
109	40.7	24.6	64.6

Manual Integrations
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AHPatel
4/21/2012 4:18:10 AM



#4

DIMP

Concen: 0.07 ug/mL

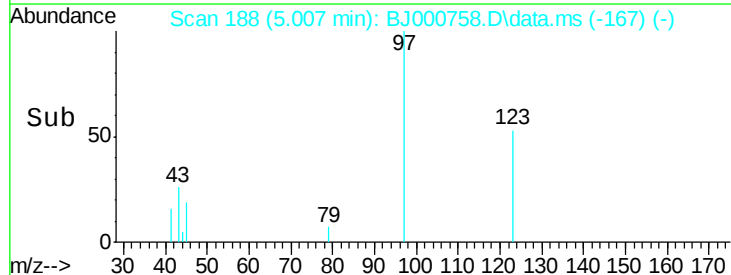
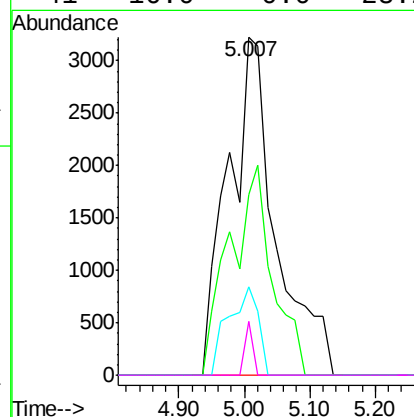
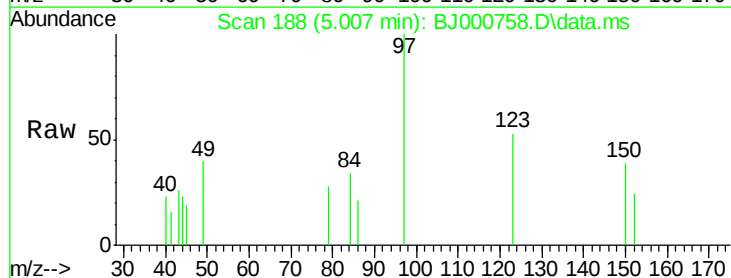
RT: 5.007 min Scan# 188

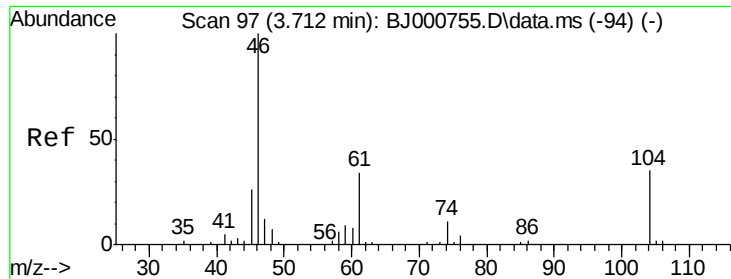
Delta R.T. 0.000 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Tgt Ion:	97	Resp:	16202
Ion Ratio	Lower	Upper	
97	100		
123	53.3	41.1	81.1
43	26.3	0.0	36.9
41	16.0	0.0	28.2





#5

1,4-Oxathiane

Concen: 0.24 ug/mL

RT: 3.712 min Scan# 97

Delta R.T. 0.000 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Instrument :

BNA_J

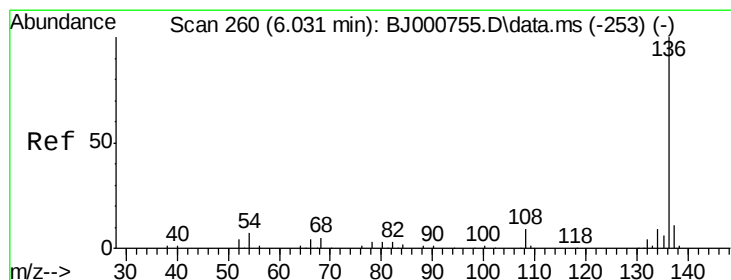
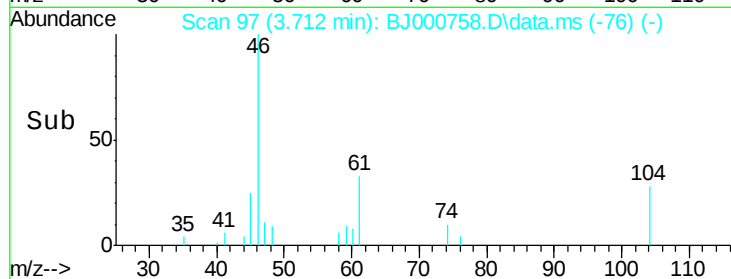
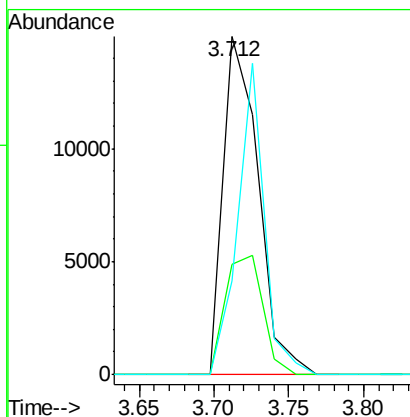
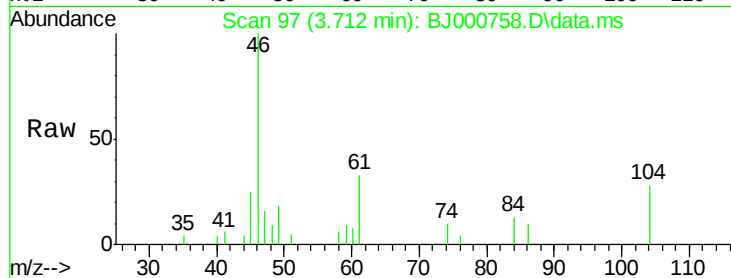
ClientSampleId :

CWA-1

Tgt Ion:	46	Resp:	24617
Ion Ratio	Lower	Upper	
46	100		
61	32.6	13.9	53.9
104	27.5	14.6	54.6

Manual Integrations
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4/21/2012 4:18:10 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

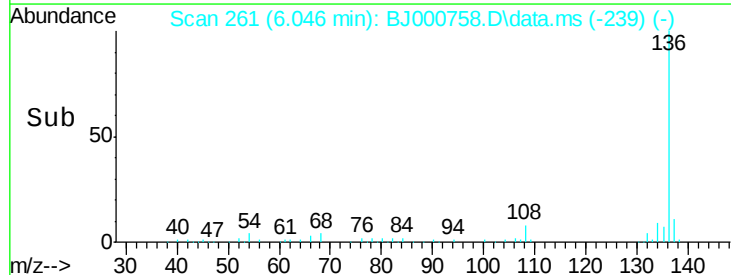
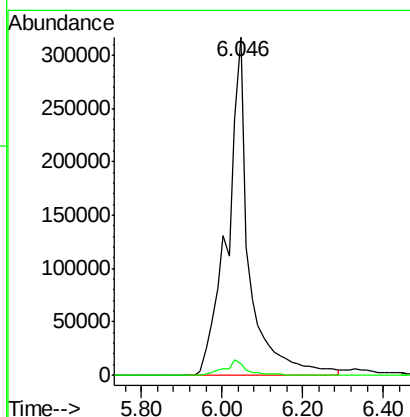
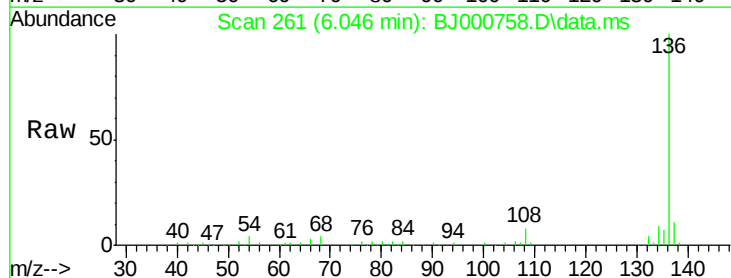
RT: 6.046 min Scan# 261

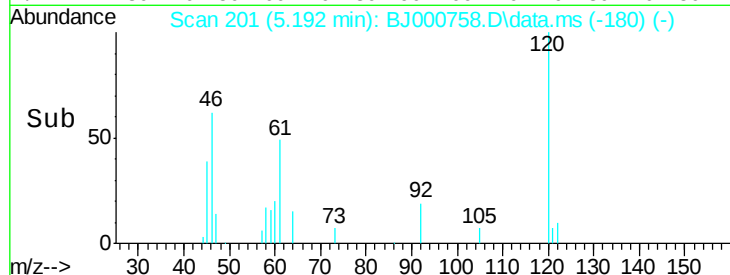
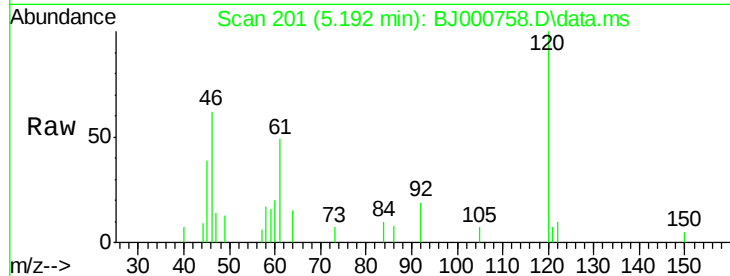
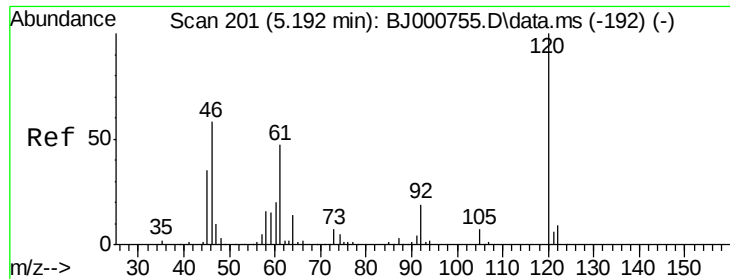
Delta R.T. 0.014 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Tgt Ion:	136	Resp:	1182113
Ion Ratio	Lower	Upper	
136	100		
68	3.5	0.0	25.1





#7

1,4-Dithiane

Concen: 0.22 ug/mL

RT: 5.192 min Scan# 201

Delta R.T. 0.000 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Tgt Ion:	46	Resp:	18886
Ion Ratio	Lower	Upper	
46	100		
61	79.1	61.1	101.1
120	161.0	152.3	192.3

Instrument :

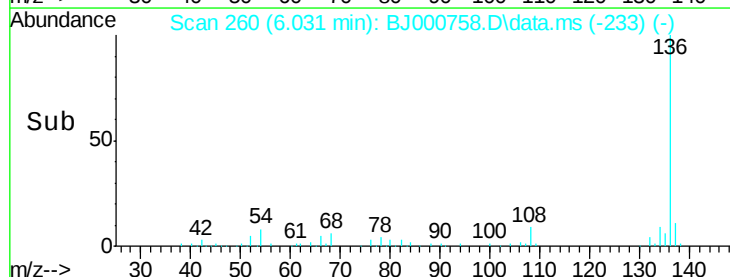
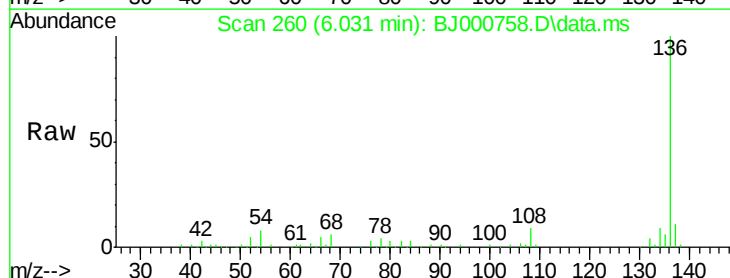
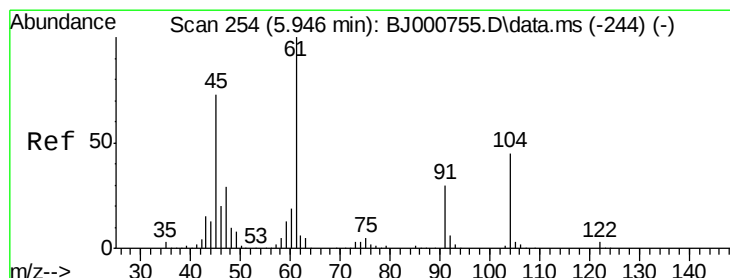
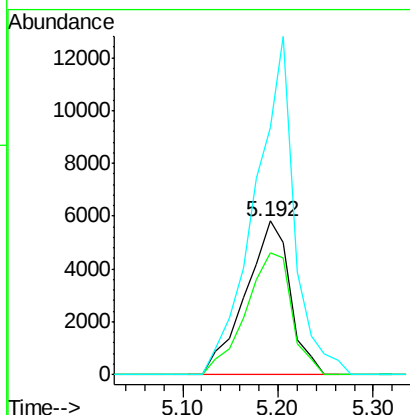
BNA_J

ClientSampleId :

CWA-1

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:10 AM



#8

Thiodiglycol

Concen: 3.01 ug/mL m

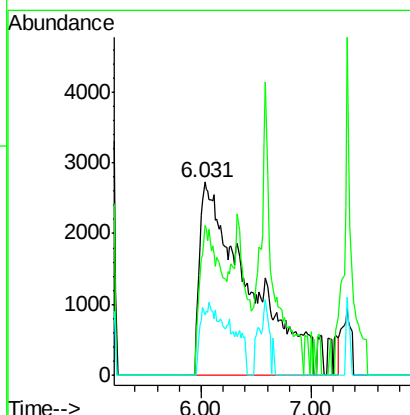
RT: 6.031 min Scan# 260

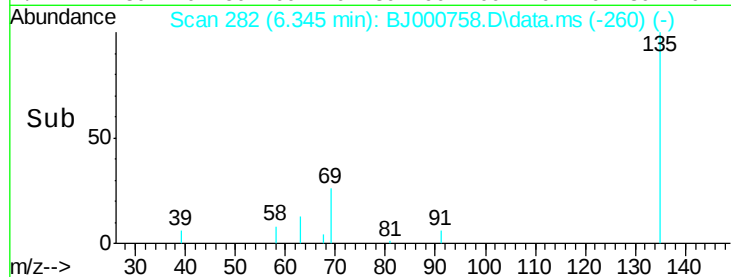
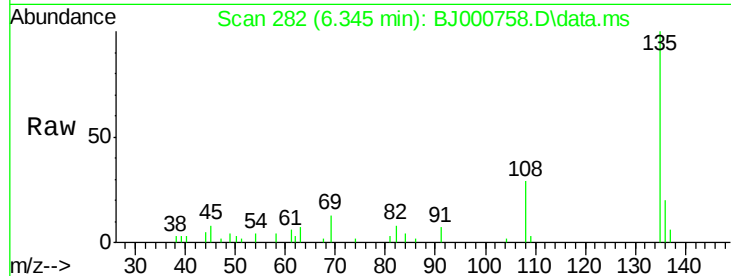
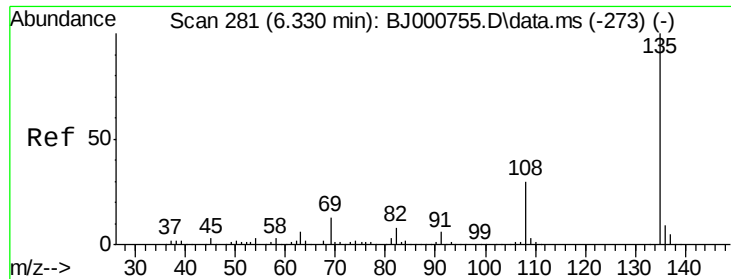
Delta R.T. 0.085 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Tgt Ion:	61	Resp:	88041
Ion Ratio	Lower	Upper	
61	100		
45	77.5	53.3	93.3
47	31.6	9.3	49.3





#9

Benzothiazole

Concen: 0.54 ug/mL m

RT: 6.345 min Scan# 281

Delta R.T. 0.014 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Instrument :

BNA_J

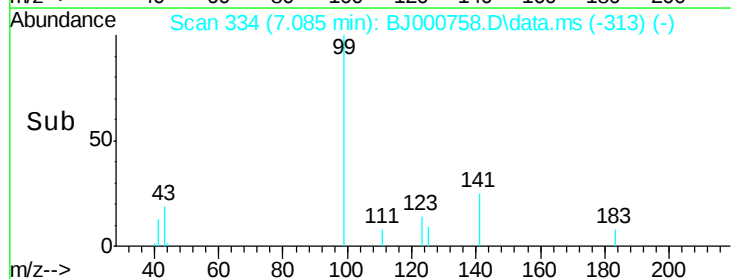
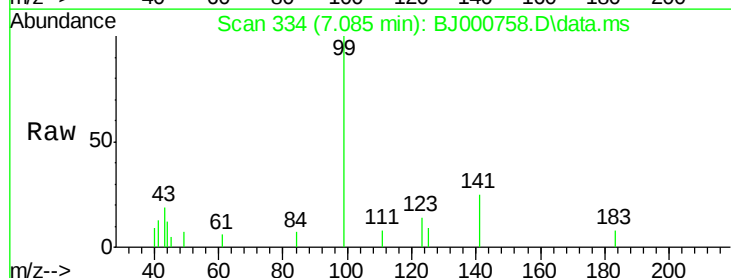
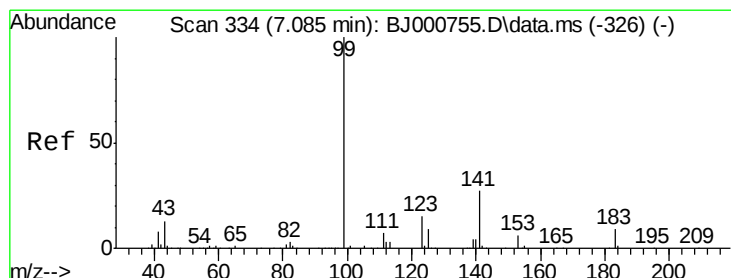
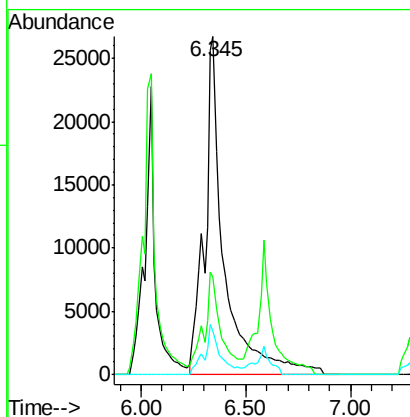
ClientSampled :

CWA-1

Tgt Ion:	135	Resp:	172286
Ion Ratio	Lower	Upper	
135	100		
108	29.0	9.9	49.9
69	13.0	0.0	32.5

Manual Integrations
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AHPatel
4/21/2012 4:18:10 AM



#10

Tripropylphosphate

Concen: 0.09 ug/mL

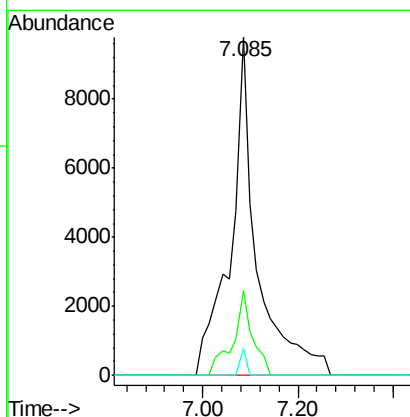
RT: 7.085 min Scan# 334

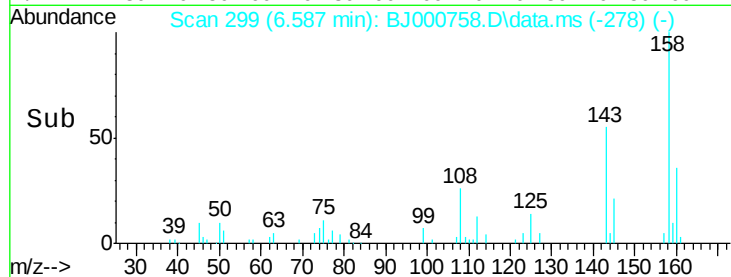
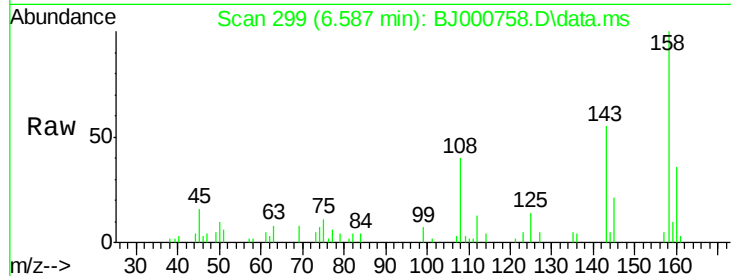
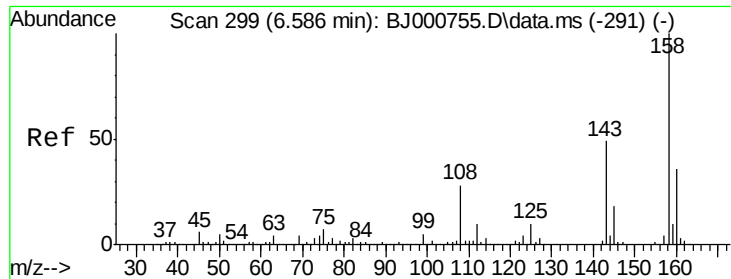
Delta R.T. 0.000 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Tgt Ion:	99	Resp:	37198
Ion Ratio	Lower	Upper	
99	100		
141	18.3	19.1	28.7#
183	1.8	6.2	9.2#





#11

p-Chlorophenylmethylsulfide

Concen: 0.60 ug/mL

RT: 6.587 min Scan# 29

Delta R.T. 0.000 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Instrument :

BNA_J

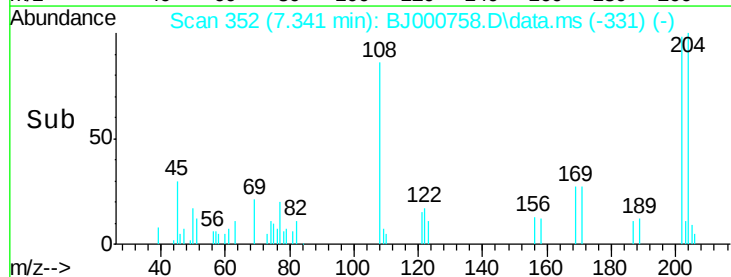
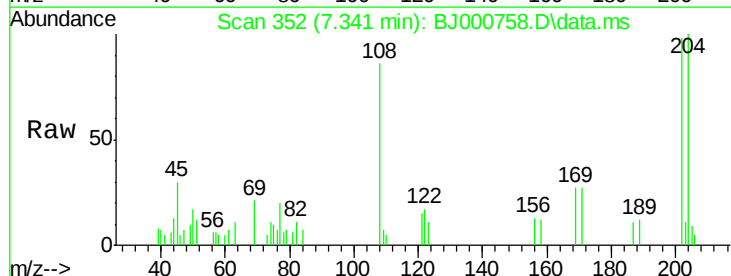
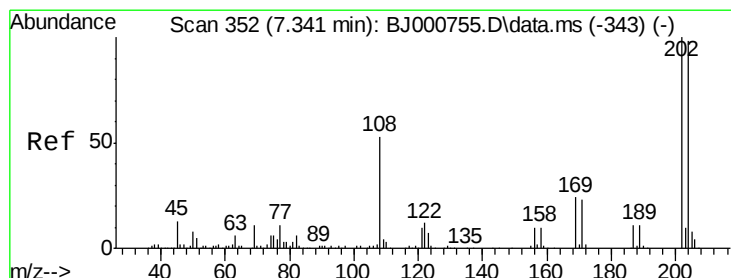
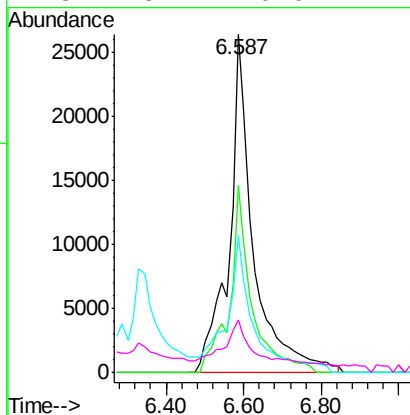
ClientSampled :

CWA-1

Tgt Ion:	158	Resp:	114517
Ion Ratio	Lower	Upper	
158	100		
143	55.3	28.9	68.9
108	40.4	8.9	48.9
45	15.7	0.0	27.0

Manual Integrations
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AHPatel
4/21/2012 4:18:10 AM



#12

2-Bromothioanisole

Concen: 0.53 ug/mL

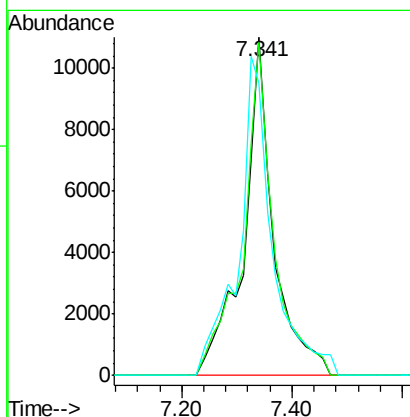
RT: 7.341 min Scan# 352

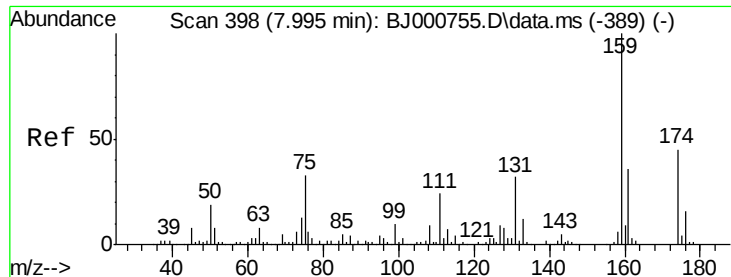
Delta R.T. 0.000 min

Lab File: BJ000758.D

Acq: 17 Apr 2012 14:52

Tgt Ion:	204	Resp:	40761
Ion Ratio	Lower	Upper	
204	100		
202	98.4	82.0	122.0
108	86.3	34.9	74.9#





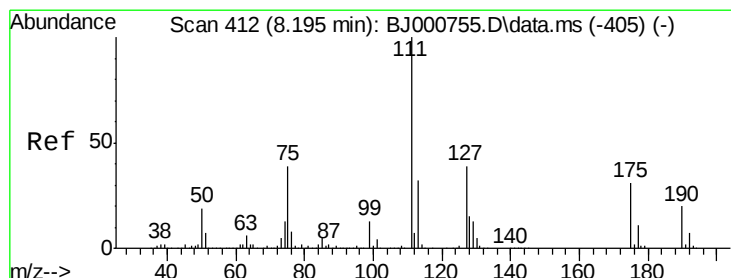
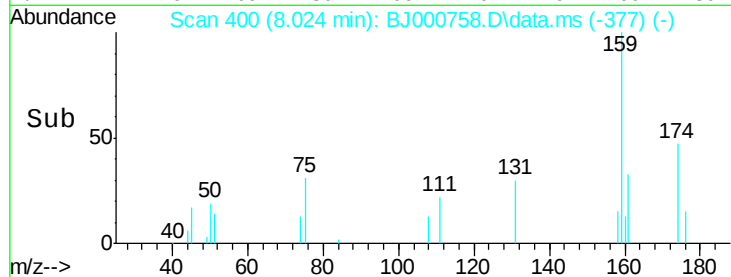
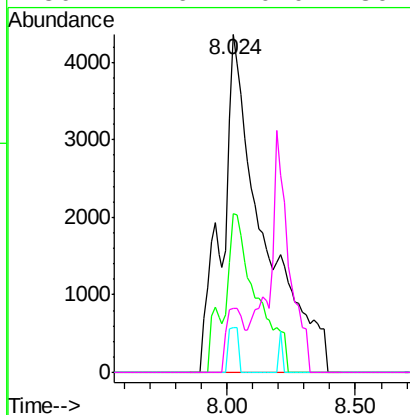
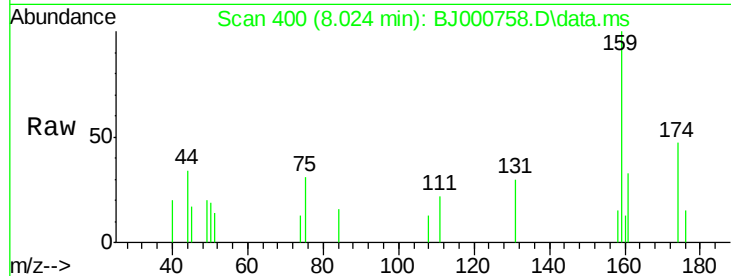
#13
p-Chlorophenylmethylsulfoxide
Concen: 0.44 ug/mL m
RT: 8.024 min Scan# 40
Delta R.T. 0.029 min
Lab File: BJ000758.D
Acq: 17 Apr 2012 14:52

Instrument :
BNA_J
ClientSampled :
CWA-1

Tgt Ion	Ratio	Lower	Upper
159	100		
174	32.3	27.3	67.3
108	3.1	0.0	28.2
50	7.6	0.0	36.4

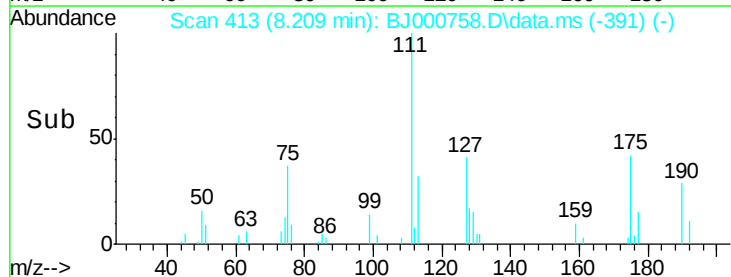
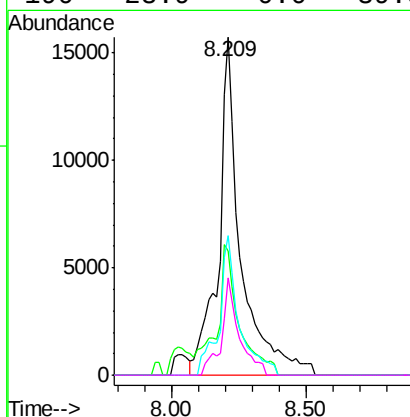
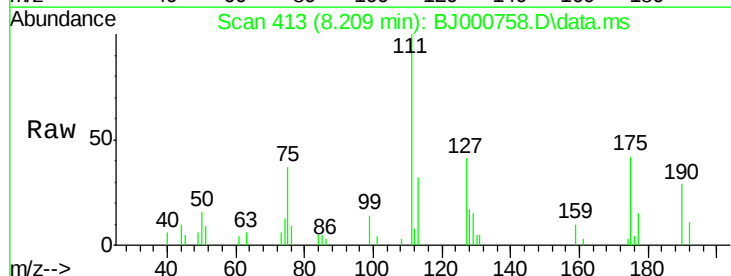
Manual Integrations
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4/21/2012 4:18:10 AM



#14
p-Chlorophenylmethylsulfone
Concen: 0.52 ug/mL m
RT: 8.209 min Scan# 413
Delta R.T. 0.014 min
Lab File: BJ000758.D
Acq: 17 Apr 2012 14:52

Tgt Ion	Ratio	Lower	Upper
111	100		
75	36.7	20.1	60.1
127	41.2	18.5	58.5
190	28.9	0.0	39.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
 Data File : BJ000758.D
 Acq On : 17 Apr 2012 14:52
 Operator : HLM
 Sample : CWA-1
 Misc : BNA_J HLM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-1

Manual Integrations
 APPROVED

AHPatel
 4/21/2012 4:18:10 AM

Quant Time: Apr 21 04:56:08 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ041712.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Tue Apr 17 16:51:03 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.751	152	291571	2.00	ug/mL	0.01
6) Naphthalene-d8	6.046	136	1182113	2.00	ug/mL	0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.085	99	37198	0.09	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	18.00%#	
12) 2-Bromothioanisole	7.341	204	40761	0.53	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	10.60%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.687	94	28436	0.21	ug/mL	98
3) DMMP	3.612	79	4389	0.07	ug/mL	91
4) DIMP	5.007	97	16202	0.07	ug/mL	86
5) 1,4-Oxathiane	3.712	46	24617	0.24	ug/mL	93
7) 1,4-Dithiane	5.192	46	18886	0.22	ug/mL	94
8) Thiodiglycol	6.031	61	88041m	3.01	ug/mL	
9) Benzothiazole	6.345	135	172286m	0.54	ug/mL	
11) p-Chlorophenylmethyisu...	6.587	158	114517	0.60	ug/mL	85
13) p-Chlorophenylmethyisu...	8.024	159	48046m	0.44	ug/mL	
14) p-Chlorophenylmethyisu...	8.209	111	89984m	0.52	ug/mL	

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