

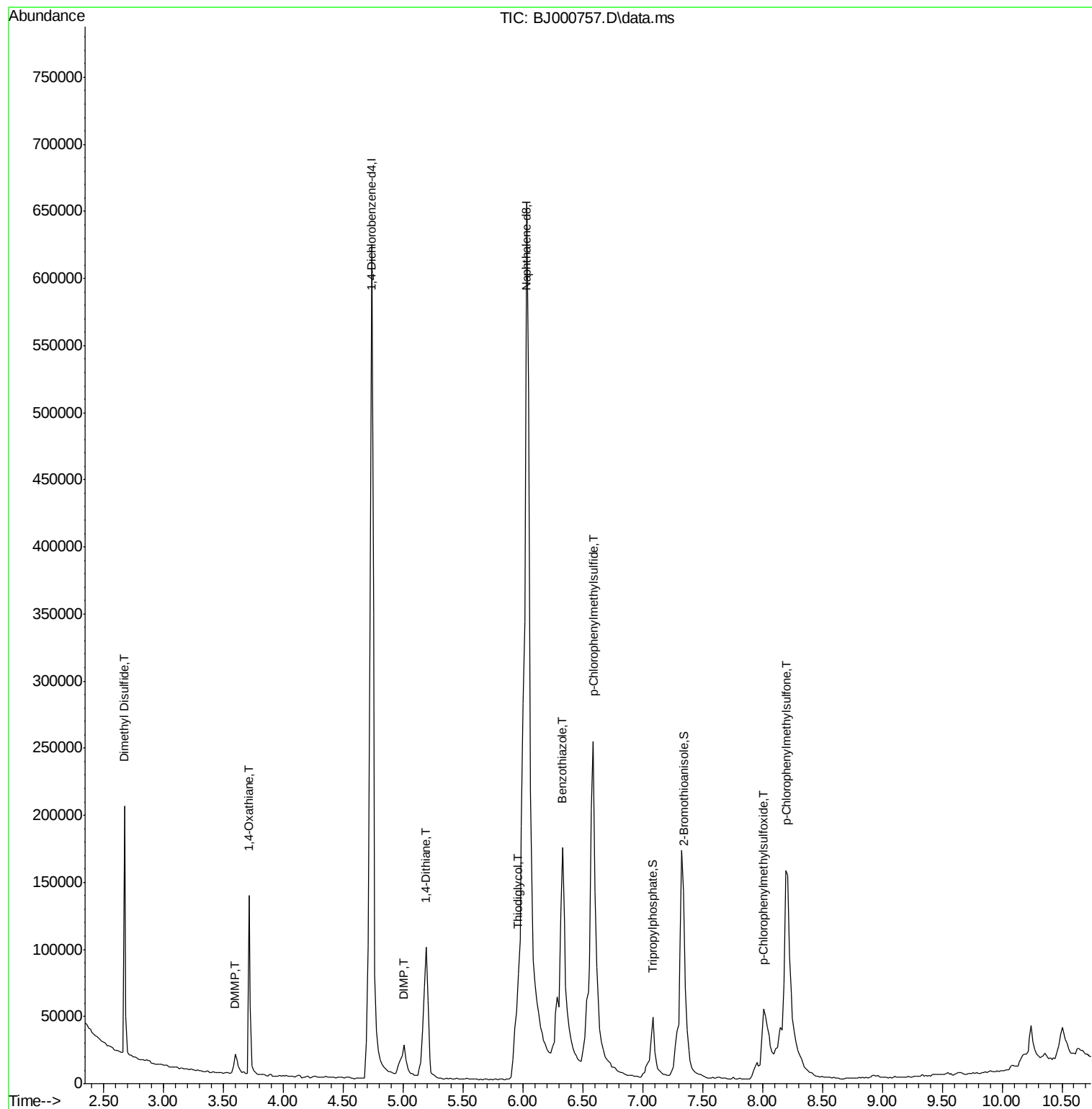
Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
Data File : BJ000757.D
Acq On : 17 Apr 2012 14:34
Operator : HLM
Sample : CWA-2
Misc : BNA_J HLM
ALS Vial : 6 Sample Multiplier: 1

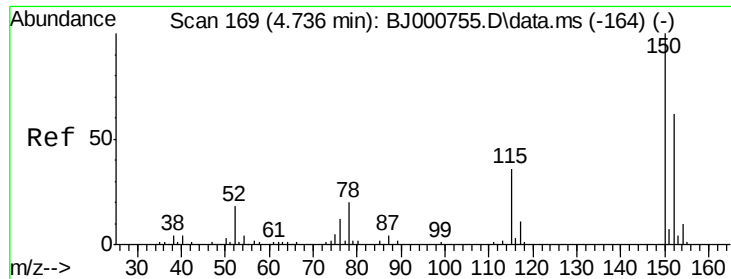
Instrument :
BNA_J
ClientSampleId :
CWA-2

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:09 AM

Quant Time: Apr 21 04:56:00 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: 4.737 min Scan# 16

Delta R.T. 0.001 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Instrument :

BNA_J

ClientSampleId :

CWA-2

Tgt Ion:152 Resp: 280779

Ion Ratio Lower Upper

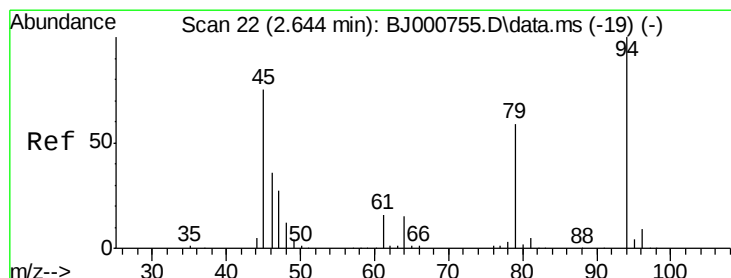
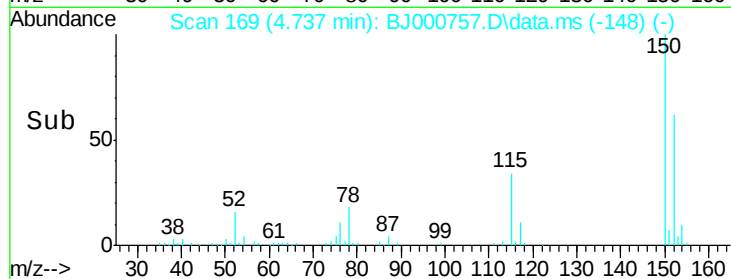
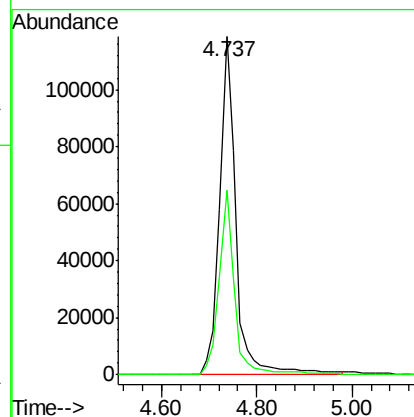
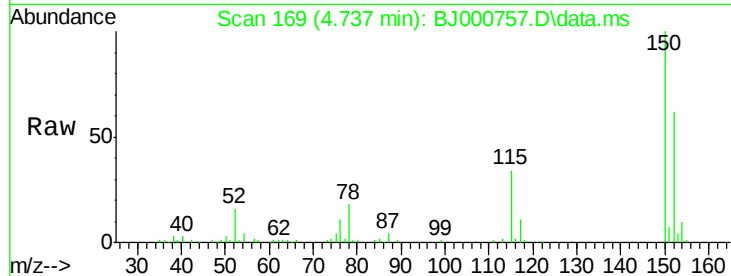
152 100

115 54.4 38.0 78.0

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#2

Dimethyl Disulfide

Concen: 0.41 ug/mL

RT: 2.673 min Scan# 24

Delta R.T. 0.029 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

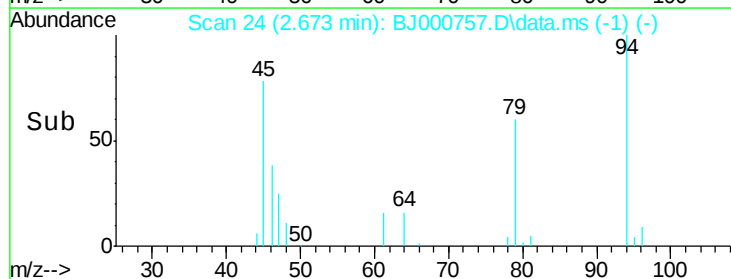
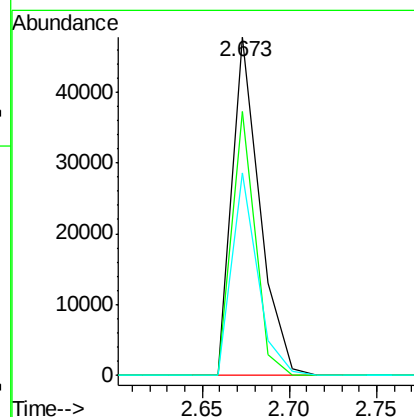
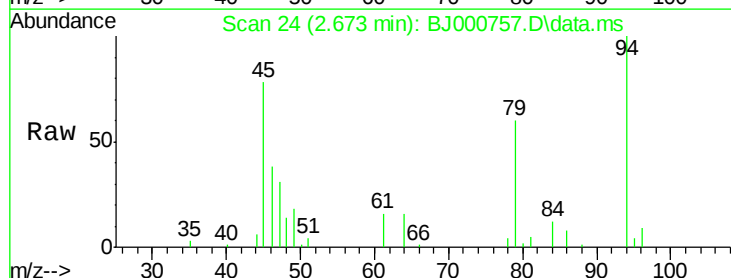
Tgt Ion: 94 Resp: 52703

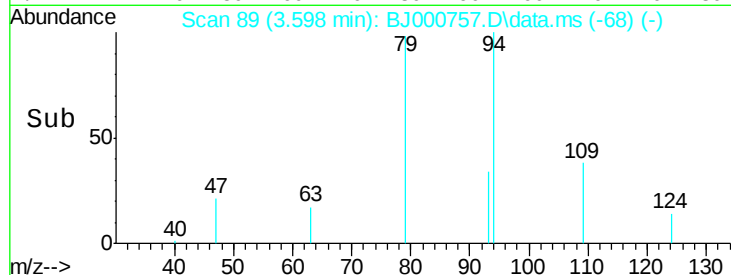
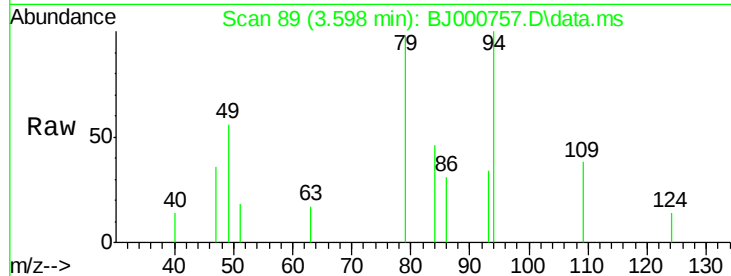
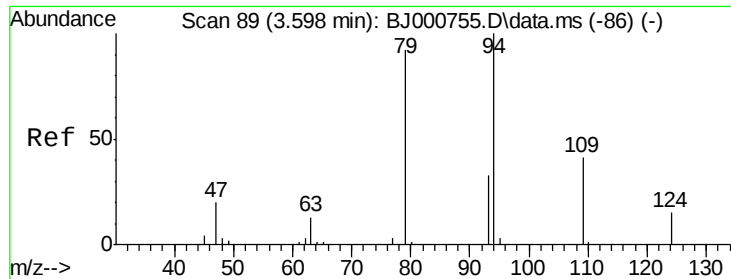
Ion Ratio Lower Upper

94 100

45 78.1 54.7 94.7

79 59.9 38.8 78.8





#3

DMMP

Concen: 0.18 ug/mL

RT: 3.598 min Scan# 89

Delta R.T. 0.001 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Instrument :

BNA_J

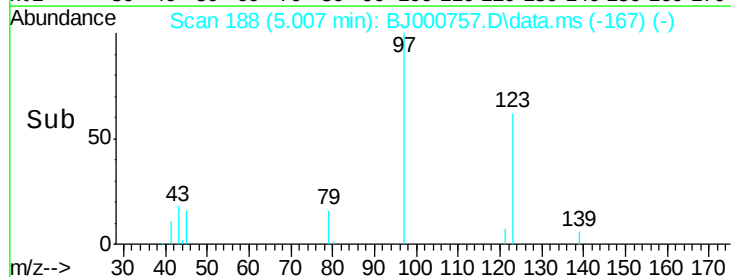
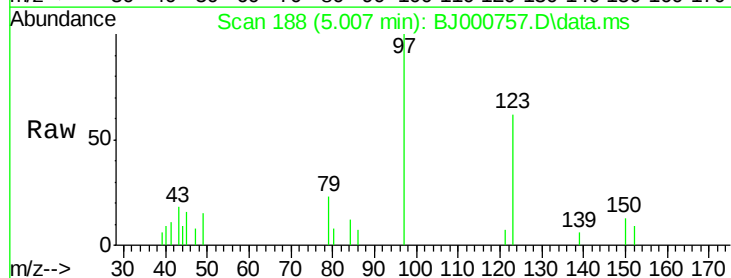
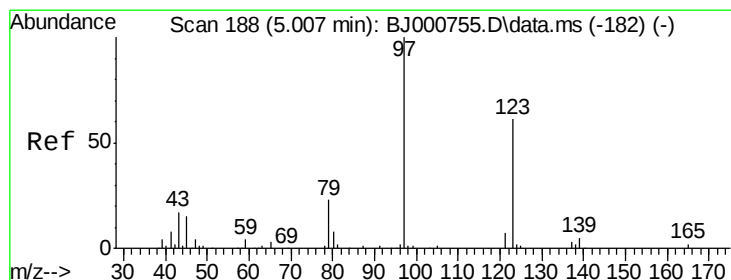
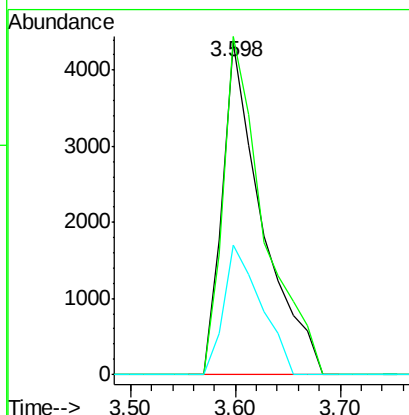
ClientSampleId :

CWA-2

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	11559		
94	101.9	88.2	128.2	
109	39.1	24.6	64.6	

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#4

DIMP

Concen: 0.16 ug/mL

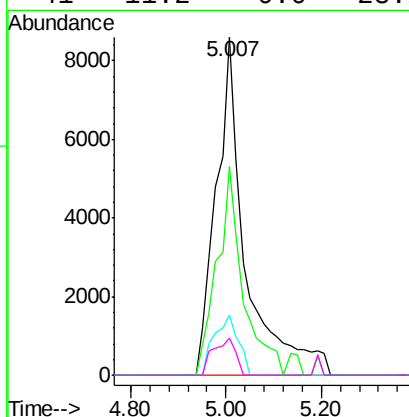
RT: 5.007 min Scan# 188

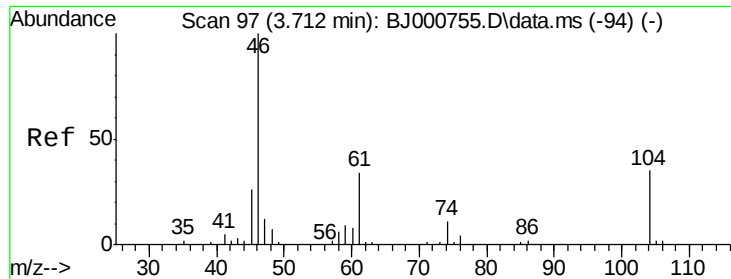
Delta R.T. 0.000 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	36866		
123	61.9	41.1	81.1	
43	17.8	0.0	36.9	
41	11.2	0.0	28.2	





#5

1,4-Oxathiane

Concen: 0.52 ug/mL

RT: 3.712 min Scan# 97

Delta R.T. 0.001 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Instrument :

BNA_J

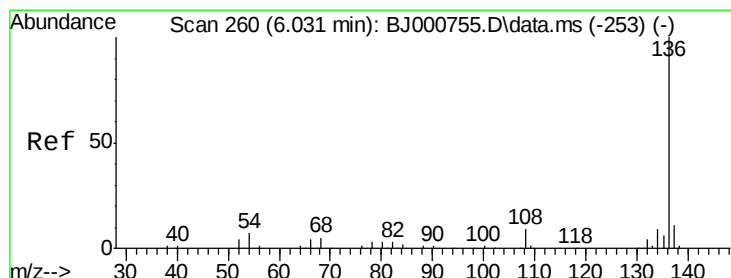
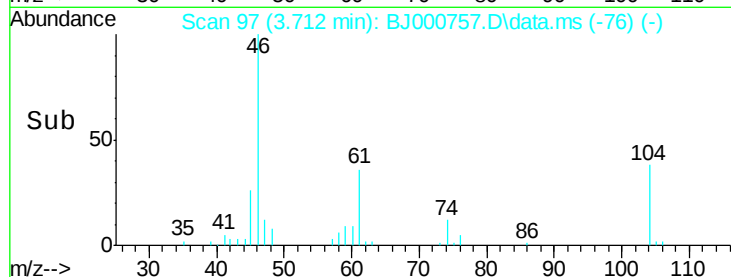
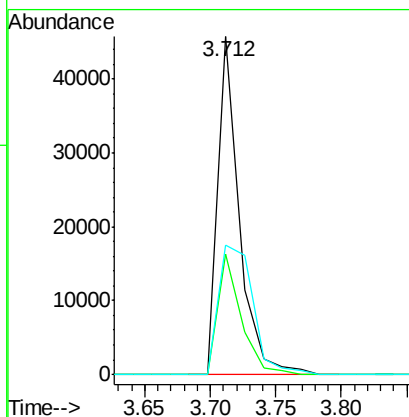
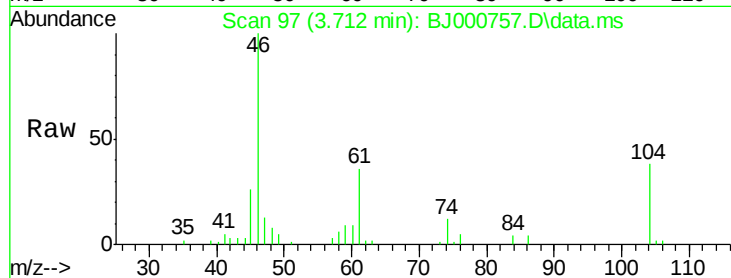
ClientSampled :

CWA-2

Tgt Ion:	46	Resp:	52125
Ion Ratio	Lower	Upper	
46	100		
61	35.7	13.9	53.9
104	38.3	14.6	54.6

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

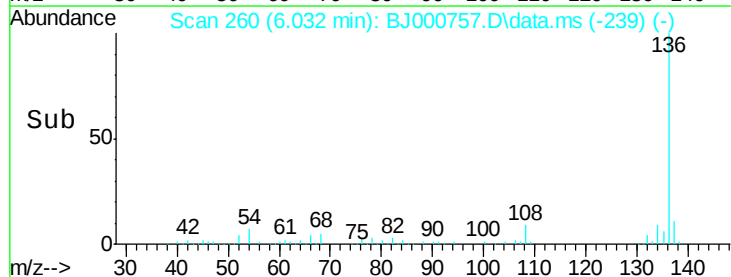
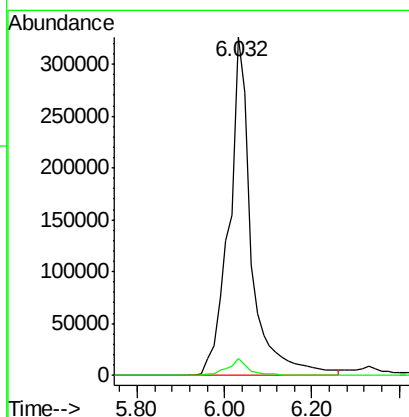
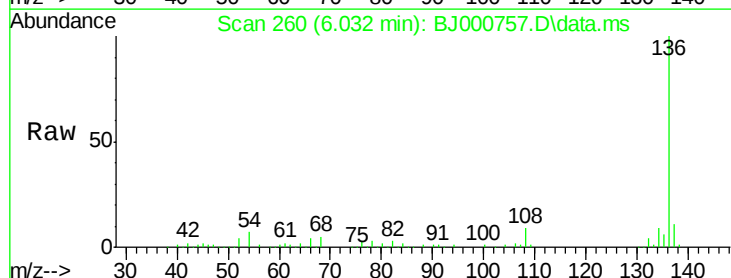
RT: 6.032 min Scan# 260

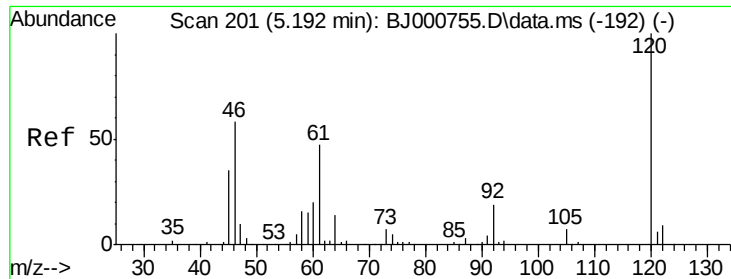
Delta R.T. 0.001 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Tgt Ion:	136	Resp:	1151957
Ion Ratio	Lower	Upper	
136	100		
68	5.0	0.0	25.1





#7

1,4-Dithiane

Concen: 0.44 ug/mL

RT: 5.192 min Scan# 201

Delta R.T. 0.001 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Instrument :

BNA_J

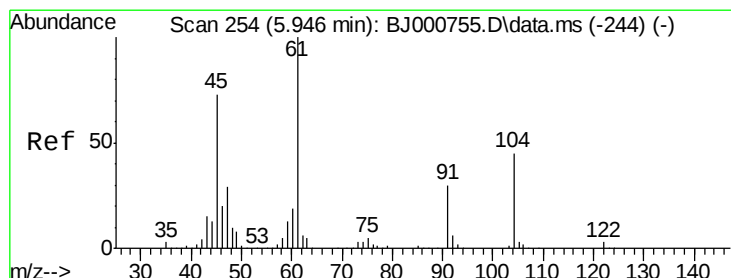
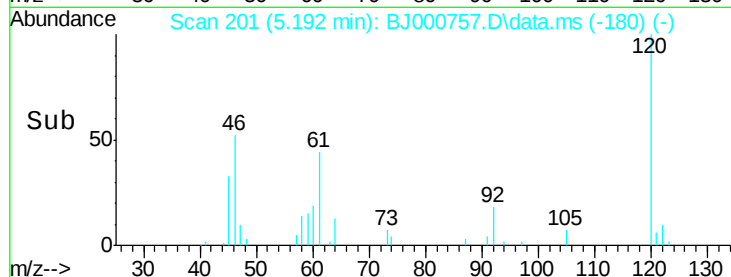
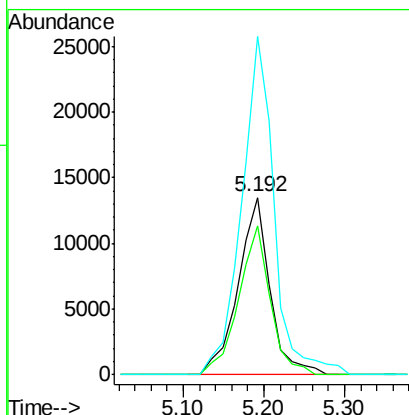
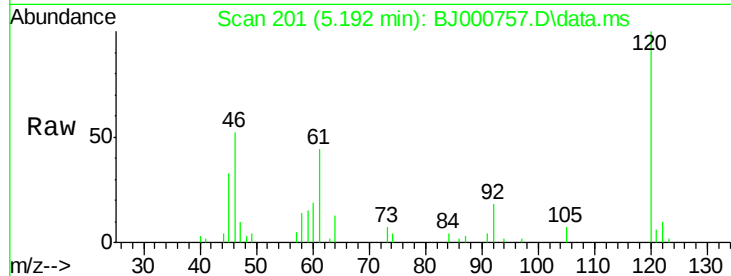
ClientSampled :

CWA-2

Tgt Ion	Ratio	Resp	Lower	Upper
46	100	36814		
61	84.3	61.1	101.1	
120	191.0	152.3	192.3	

Manual Integrations
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#8

Thiodiglycol

Concen: 4.84 ug/mL m

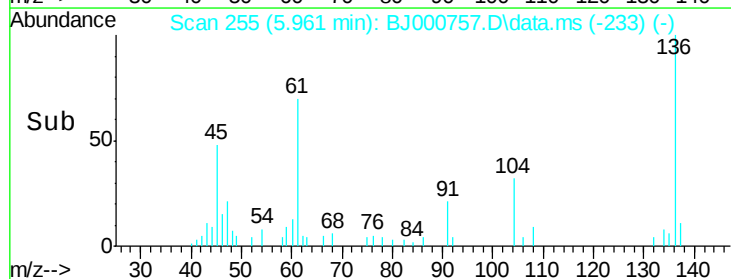
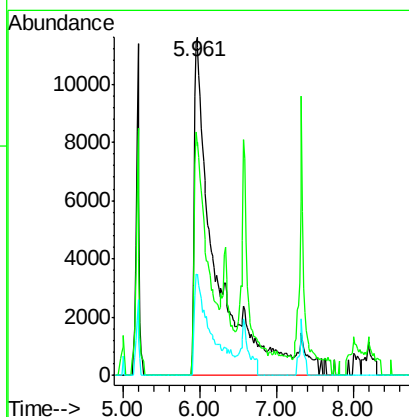
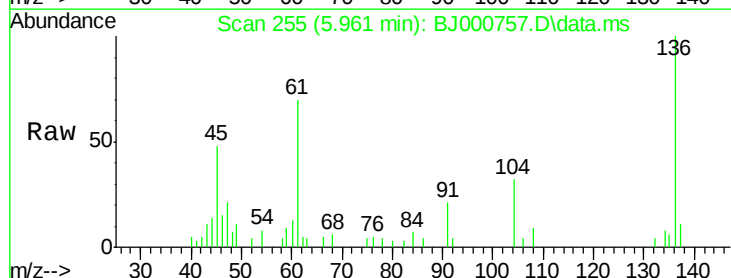
RT: 5.961 min Scan# 255

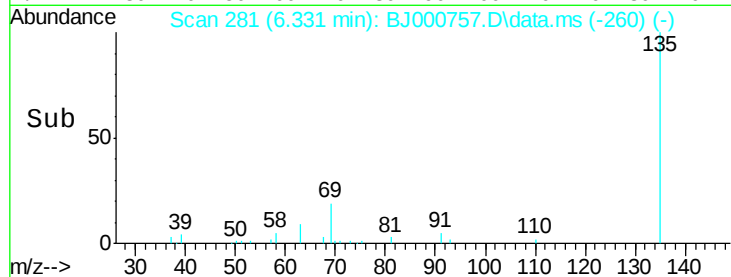
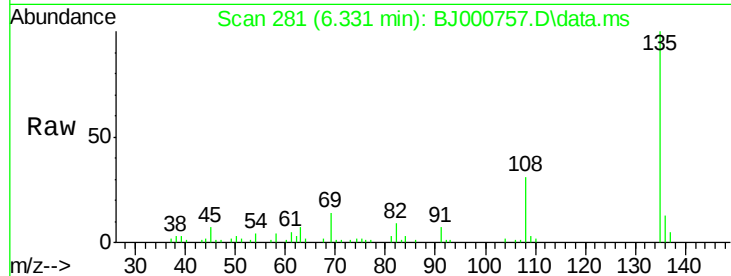
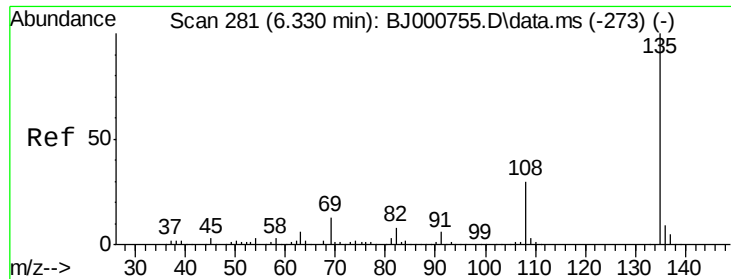
Delta R.T. 0.015 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	229404		
45	67.7	53.3	93.3	
47	29.5	9.3	49.3	





#9

Benzothiazole

Concen: 0.94 ug/mL

RT: 6.331 min Scan# 281

Delta R.T. 0.001 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Tgt Ion:	135	Resp:	290549
Ion Ratio	Lower	Upper	
135	100		
108	30.7	9.9	49.9
69	13.8	0.0	32.5

Instrument :

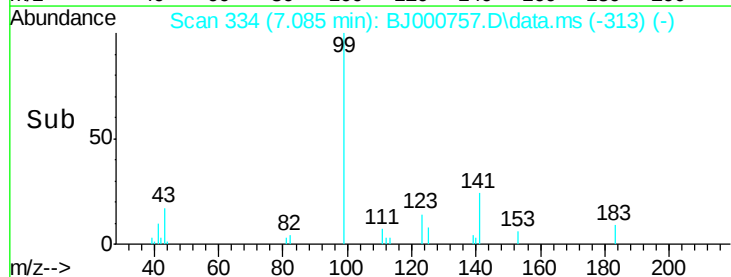
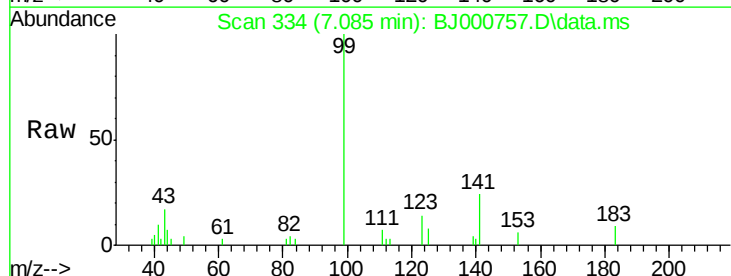
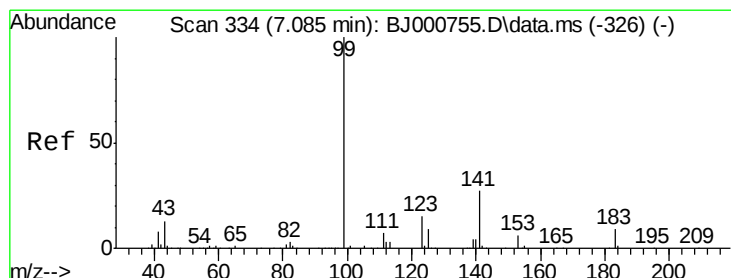
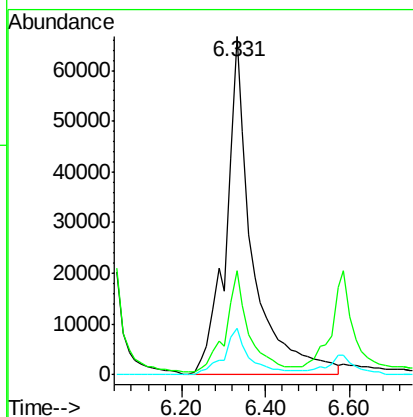
BNA_J

ClientSampleId :

CWA-2

Manual Integrations
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#10

Tripropylphosphate

Concen: 0.18 ug/mL

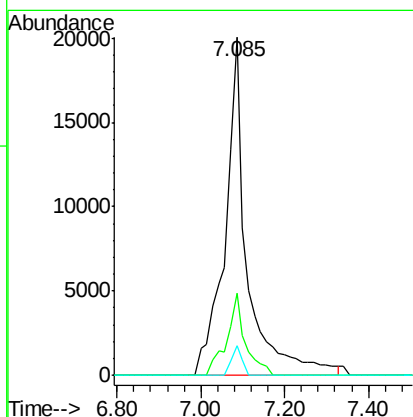
RT: 7.085 min Scan# 334

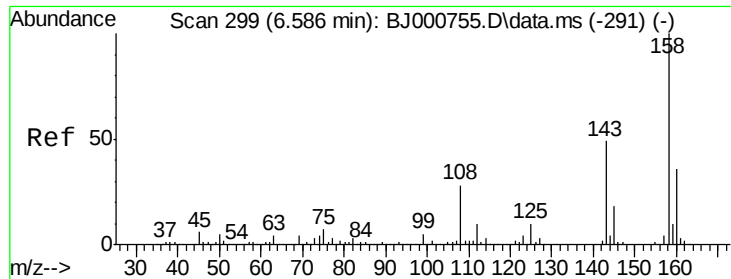
Delta R.T. 0.001 min

Lab File: BJ000757.D

Acq: 17 Apr 2012 14:34

Tgt Ion:	99	Resp:	73096
Ion Ratio	Lower	Upper	
99	100		
141	20.4	19.1	28.7
183	4.1	6.2	9.2#





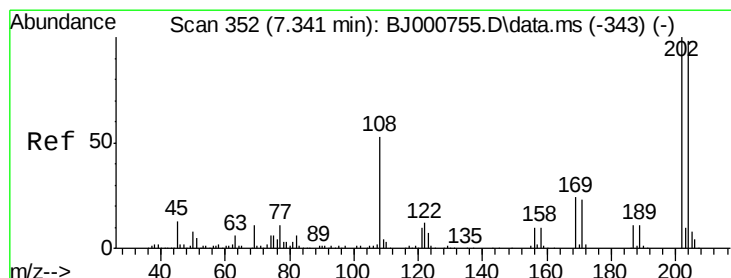
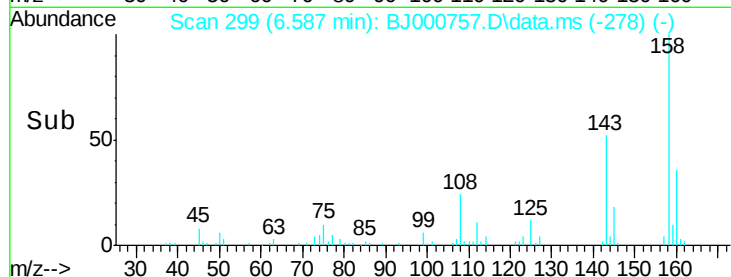
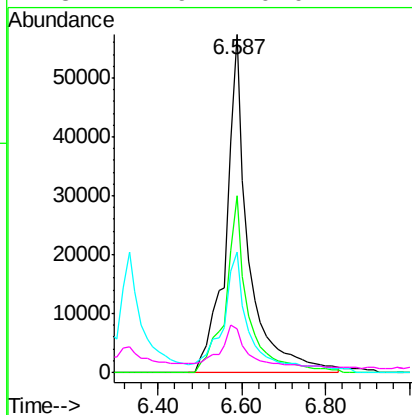
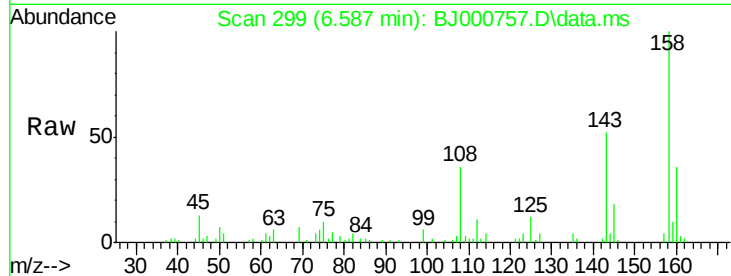
#11
 p-Chlorophenylmethylsulfide
 Concen: 1.15 ug/mL
 RT: 6.587 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: BJ000757.D
 Acq: 17 Apr 2012 14:34

Instrument :
 BNA_J
 ClientSampled :
 CWA-2

Tgt Ion:	158	Resp:	212212
Ion Ratio	Lower	Upper	
158	100		
143	52.2	28.9	68.9
108	35.6	8.9	48.9
45	12.9	0.0	27.0

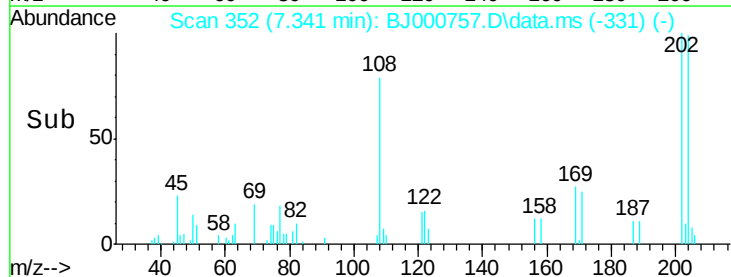
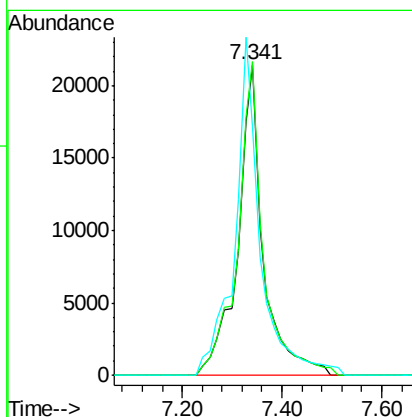
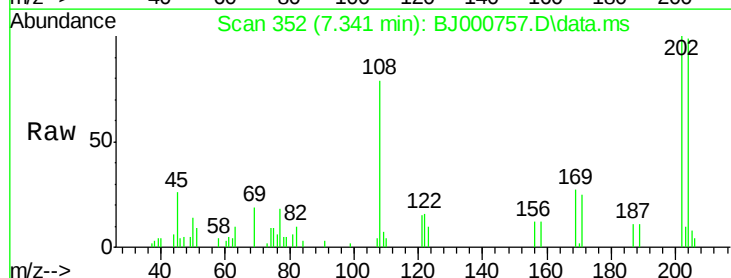
Manual Integrations
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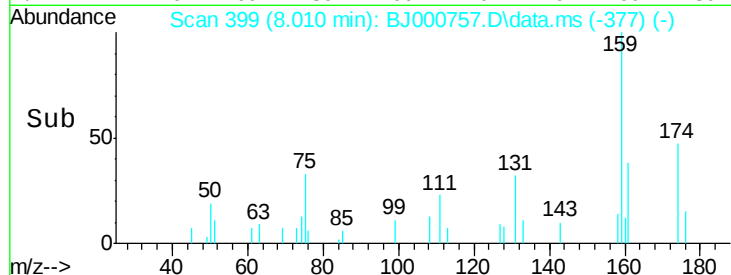
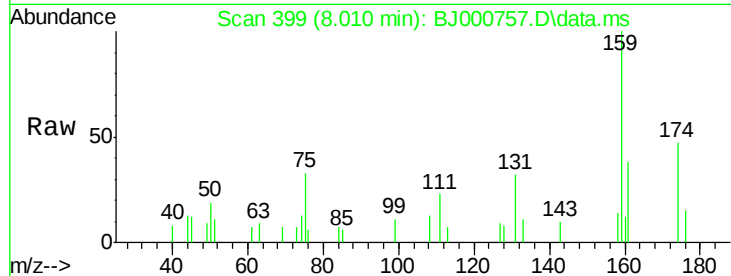
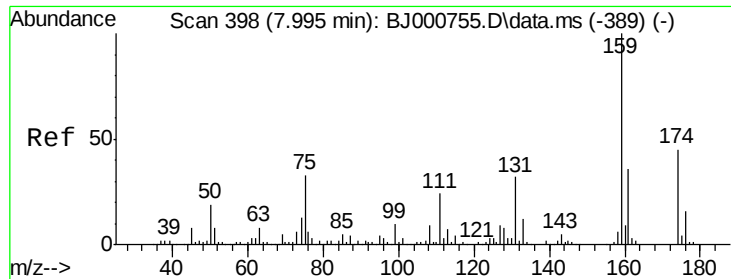
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#12
 2-Bromothioanisole
 Concen: 1.02 ug/mL
 RT: 7.341 min Scan# 352
 Delta R.T. 0.001 min
 Lab File: BJ000757.D
 Acq: 17 Apr 2012 14:34

Tgt Ion:	204	Resp:	76147
Ion Ratio	Lower	Upper	
204	100		
202	101.1	82.0	122.0
108	80.2	34.9	74.9#





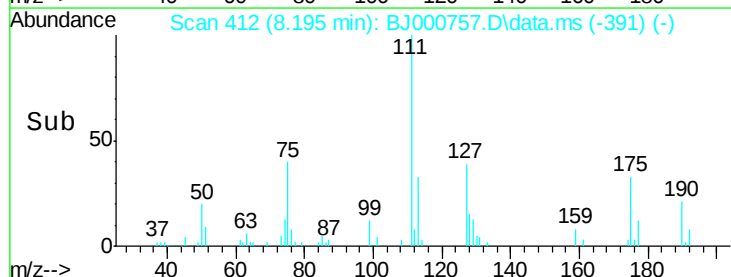
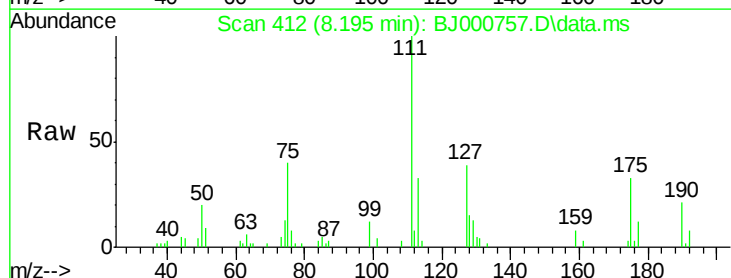
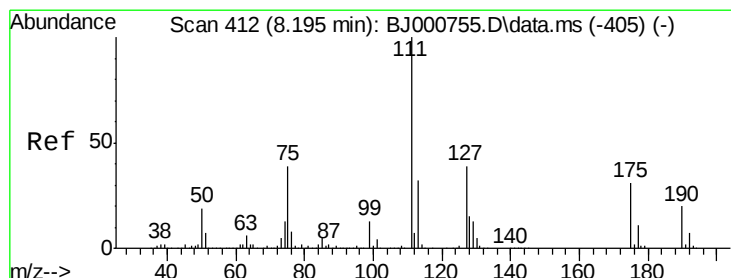
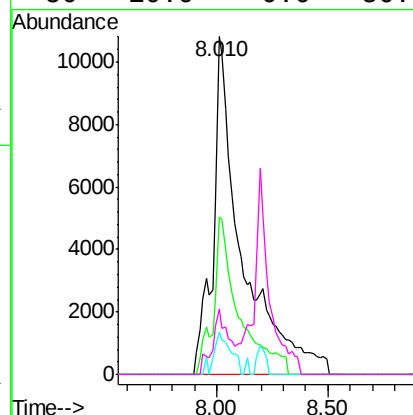
#13
p-Chlorophenylmethylsulfoxide
Concen: 0.91 ug/mL m
RT: 8.010 min Scan# 39
Delta R.T. 0.015 min
Lab File: BJ000757.D
Acq: 17 Apr 2012 14:34

Instrument :
BNA_J
ClientSampled :
CWA-2

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	96590		
174	38.3	27.3	67.3	
108	7.3	0.0	28.2	
50	10.9	0.0	36.4	

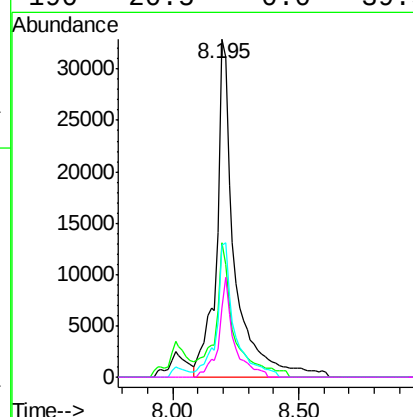
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 0.97 ug/mL m
RT: 8.195 min Scan# 412
Delta R.T. 0.001 min
Lab File: BJ000757.D
Acq: 17 Apr 2012 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	164272		
75	39.8	20.1	60.1	
127	38.9	18.5	58.5	
190	20.5	0.0	39.5	



Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
 Data File : BJ000757.D
 Acq On : 17 Apr 2012 14:34
 Operator : HLM
 Sample : CWA-2
 Misc : BNA_J HLM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-2

Manual Integrations
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 4/21/2012 4:18:09 AM

Quant Time: Apr 21 04:56:00 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	4.737	152	280779	2.00	ug/mL	0.00
6) Naphthalene-d8	6.032	136	1151957	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.085	99	73096	0.18	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	36.00%#	
12) 2-Bromothioanisole	7.341	204	76147	1.02	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	20.40%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.673	94	52703	0.41	ug/mL	97
3) DMMP	3.598	79	11559	0.18	ug/mL	93
4) DIMP	5.007	97	36866	0.16	ug/mL	98
5) 1,4-Oxathiane	3.712	46	52125	0.52	ug/mL	95
7) 1,4-Dithiane	5.192	46	36814	0.44	ug/mL	90
8) Thiodiglycol	5.961	61	229404m	4.84	ug/mL	
9) Benzothiazole	6.331	135	290549	0.94	ug/mL	98
11) p-Chlorophenylmethyisu...	6.587	158	212212	1.15	ug/mL	91
13) p-Chlorophenylmethyisu...	8.010	159	96590m	0.91	ug/mL	
14) p-Chlorophenylmethyisu...	8.195	111	164272m	0.97	ug/mL	

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