

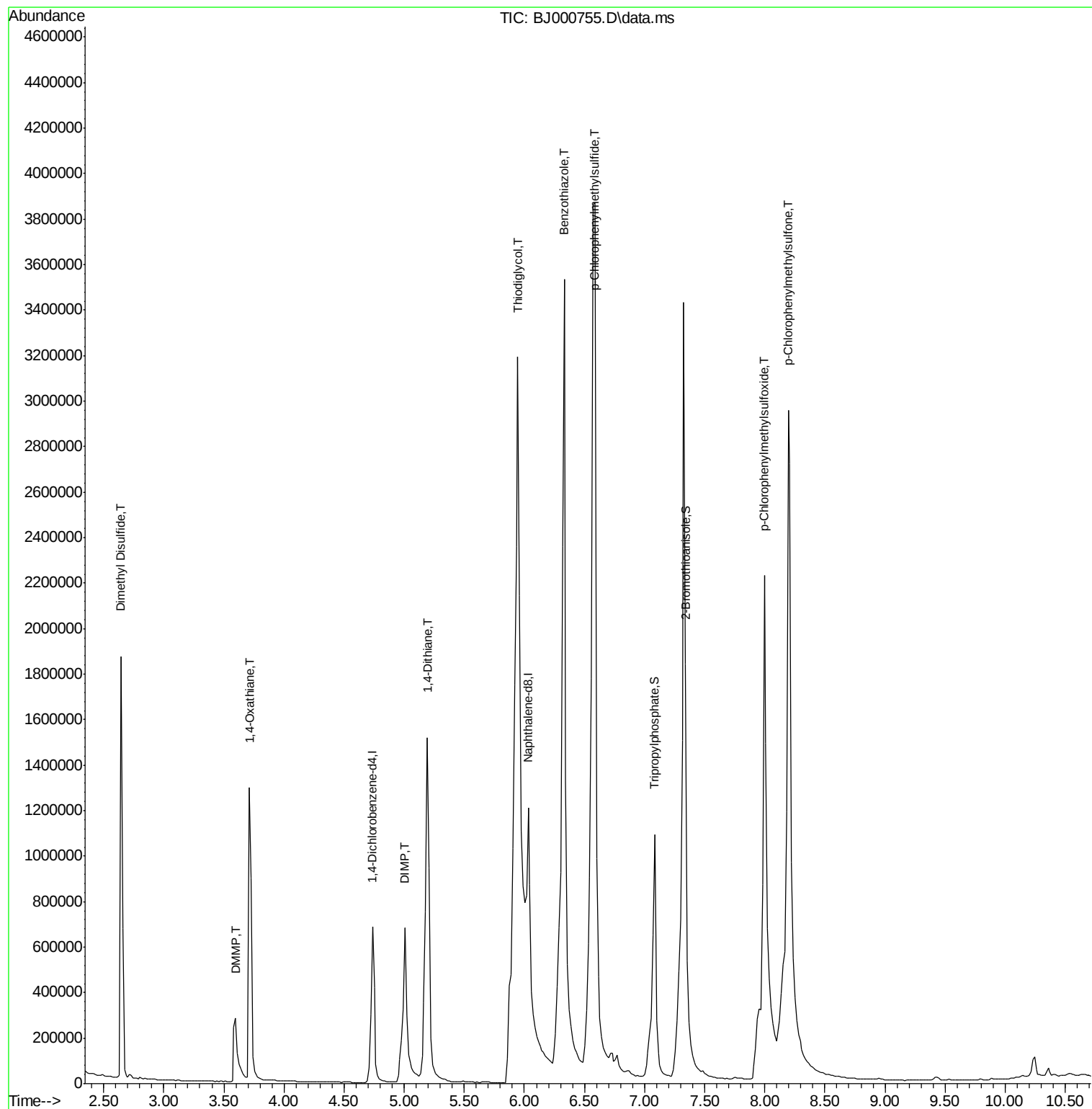
Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
Data File : BJ000755.D
Acq On : 17 Apr 2012 13:58
Operator : HLM
Sample : CWA-4
Misc : BNA_J HLM
ALS Vial : 4 Sample Multiplier: 1

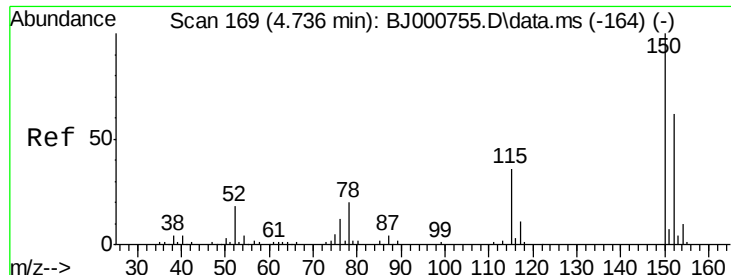
Instrument :
BNA_J
ClientSampleId :
CWA-4

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:06 AM

Quant Time: Apr 20 04:59:41 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: 4.736 min Scan# 16

Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Instrument :

BNA_J

ClientSampleId :

CWA-4

Tgt Ion:152 Resp: 278283

Ion Ratio Lower Upper

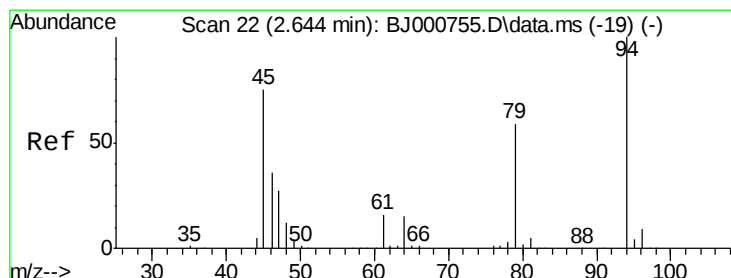
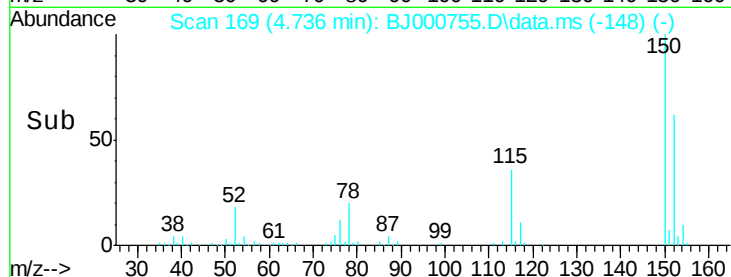
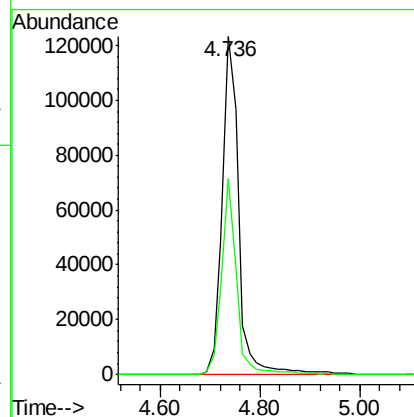
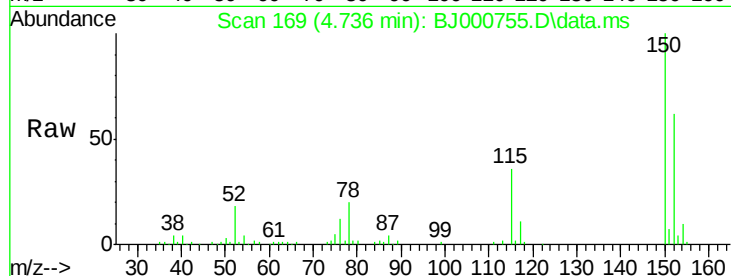
152 100

115 58.0 38.0 78.0

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#2

Dimethyl Disulfide

Concen: 5.27 ug/mL

RT: 2.644 min Scan# 22

Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

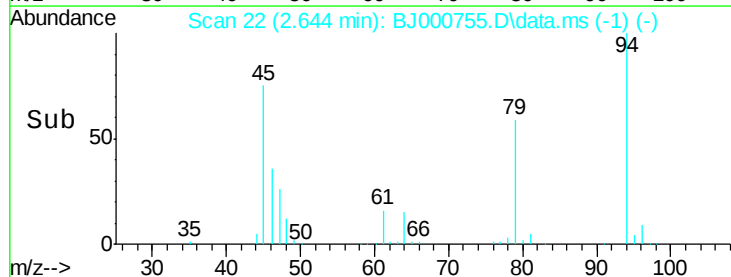
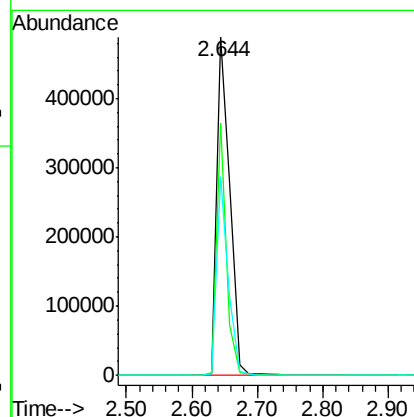
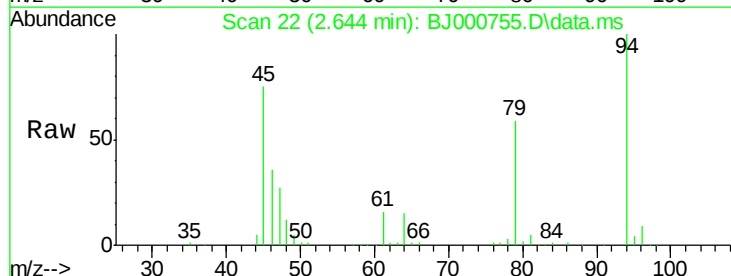
Tgt Ion: 94 Resp: 677066

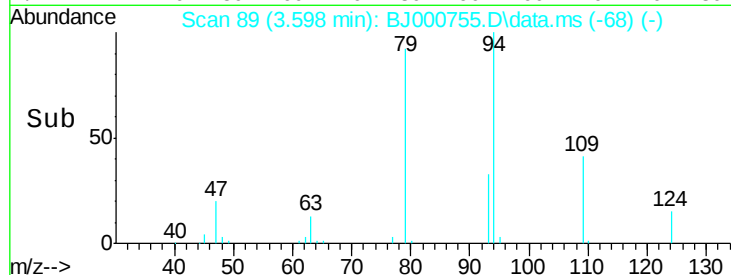
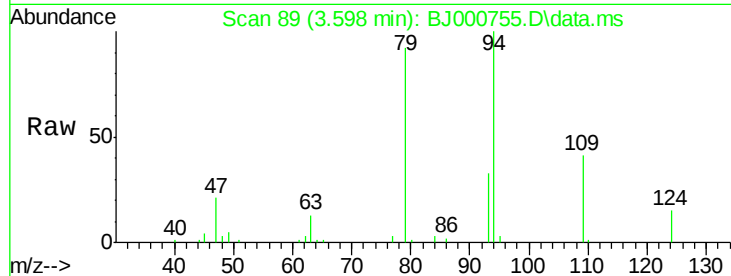
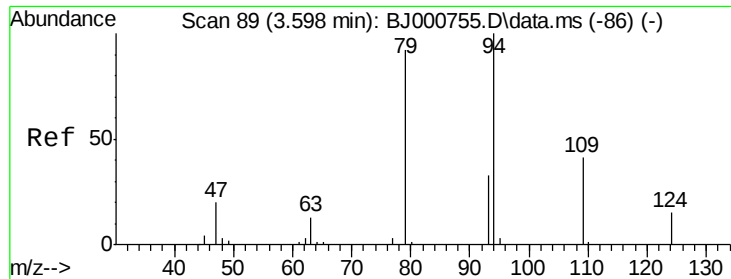
Ion Ratio Lower Upper

94 100

45 74.7 54.7 94.7

79 58.8 38.8 78.8





#3

DMMP

Concen: 3.66 ug/mL

RT: 3.598 min Scan# 89

Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Instrument :

BNA_J

ClientSampleId :

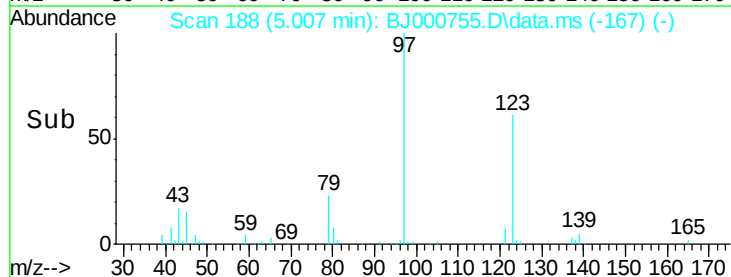
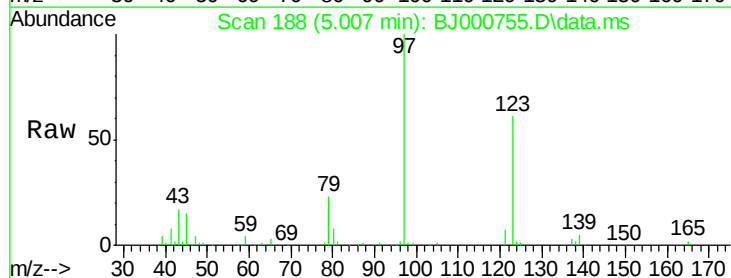
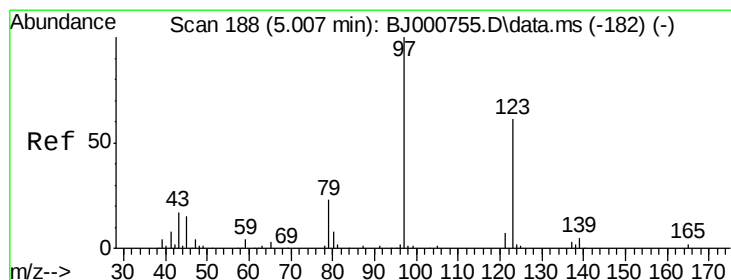
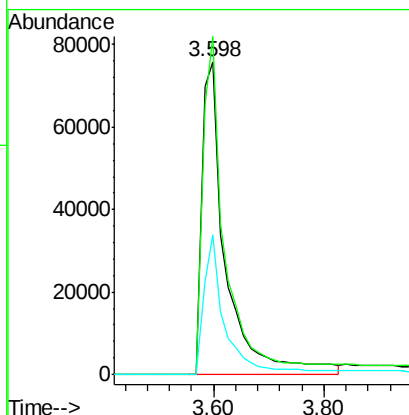
CWA-4

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Tgt Ion	Ratio	Resp	Lower	Upper
79	100	226894		
94	108.2	88.2	128.2	
109	44.6	24.6	64.6	



#4

DIMP

Concen: 2.66 ug/mL

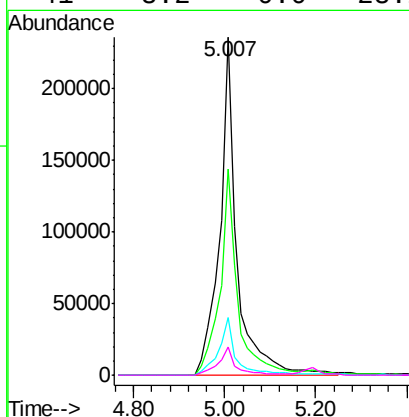
RT: 5.007 min Scan# 188

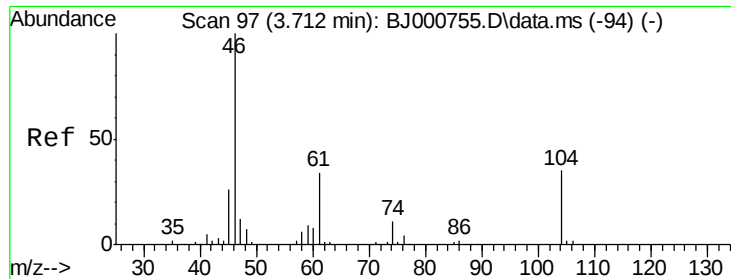
Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	618960		
123	61.1	41.1	81.1	
43	16.9	0.0	36.9	
41	8.2	0.0	28.2	





#5

1,4-Oxathiane

Concen: 6.09 ug/mL

RT: 3.712 min Scan# 97

Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Instrument :

BNA_J

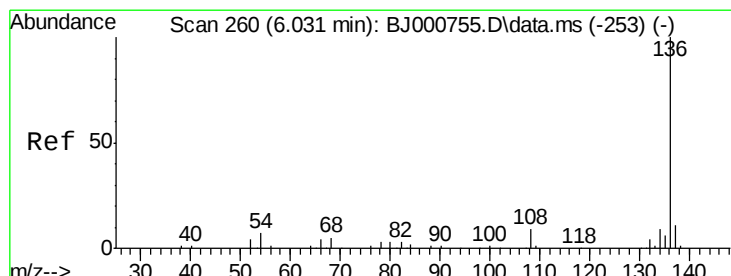
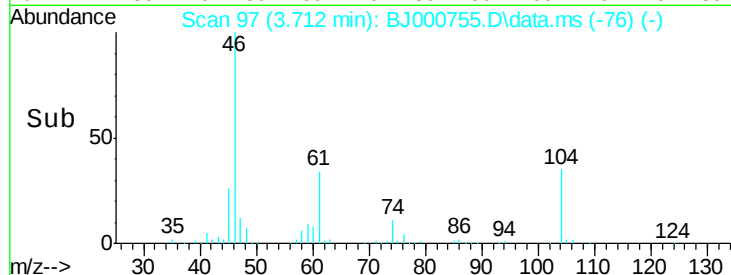
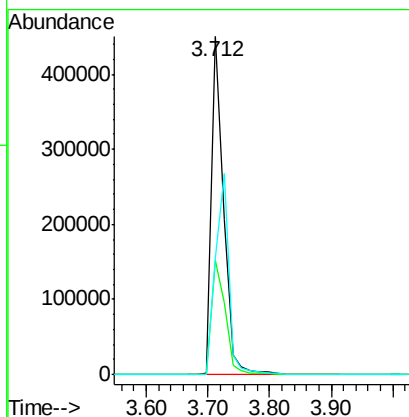
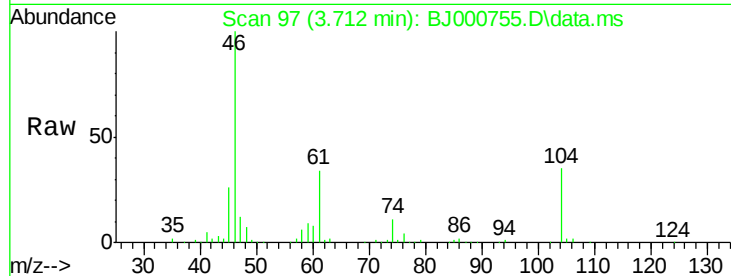
ClientSampleId :

CWA-4

Tgt Ion:	46	Resp:	608882
Ion Ratio		Lower	Upper
46	100		
61	33.9	13.9	53.9
104	34.6	14.6	54.6

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

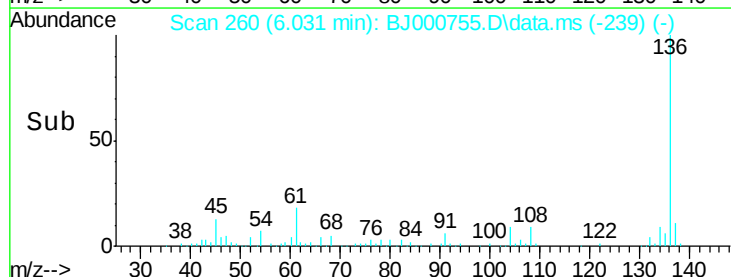
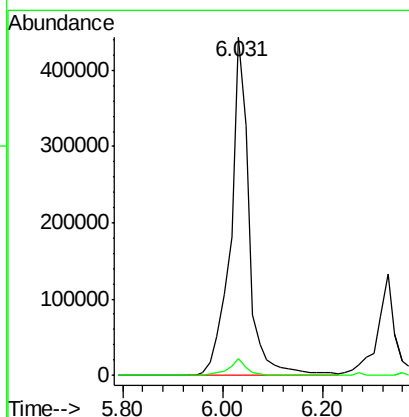
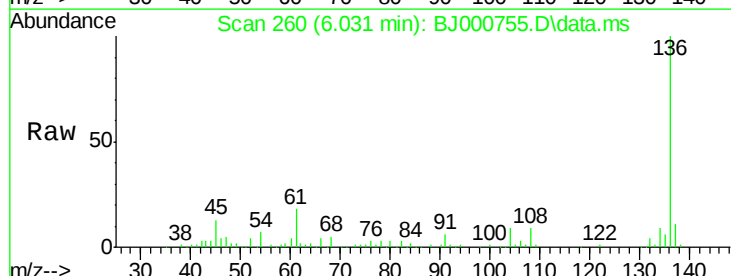
RT: 6.031 min Scan# 260

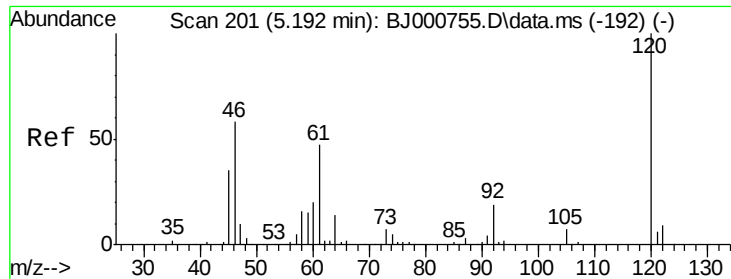
Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Tgt Ion:	136	Resp:	1134950
Ion Ratio		Lower	Upper
136	100		
68	5.1	0.0	25.1





#7

1,4-Dithiane

Concen: 5.98 ug/mL

RT: 5.192 min Scan# 201

Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Instrument :

BNA_J

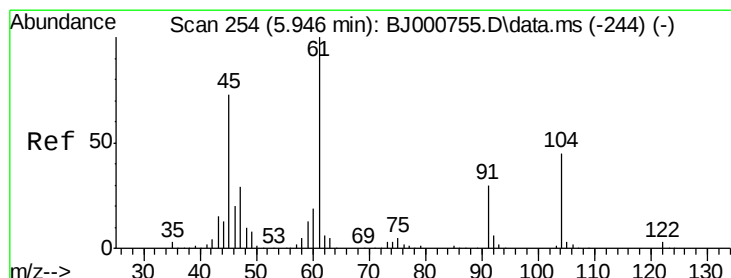
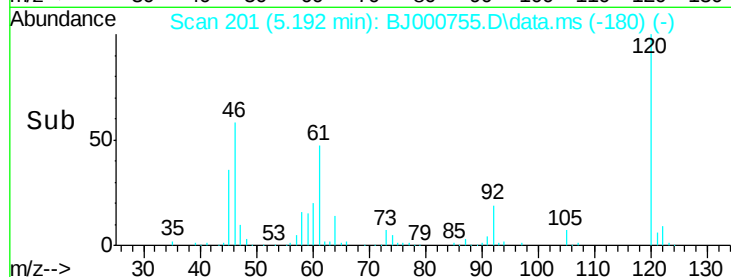
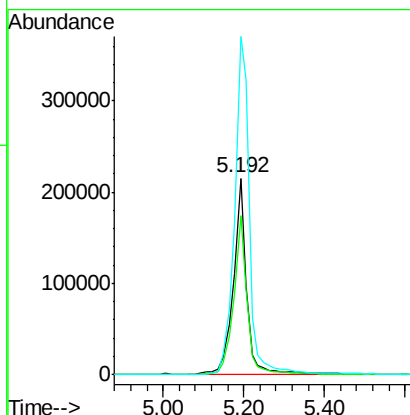
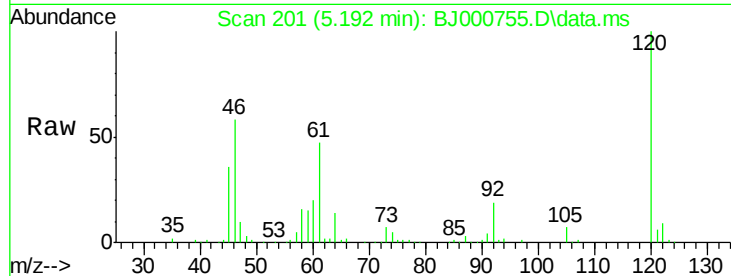
ClientSampleId :

CWA-4

Tgt Ion	Ratio	Resp	Lower	Upper
46	100	492960		
61	81.1	61.1	101.1	
120	172.3	152.3	192.3	

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#8

Thiodiglycol

Concen: 47.60 ug/mL m

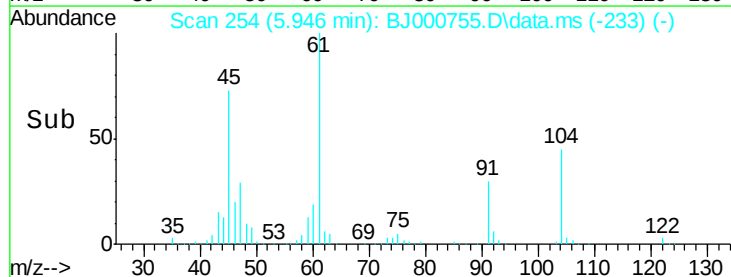
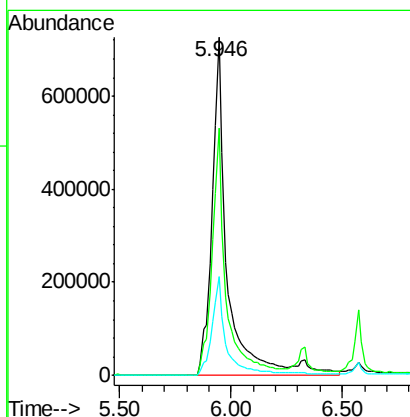
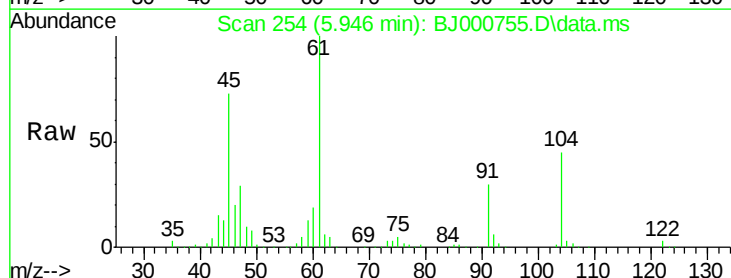
RT: 5.946 min Scan# 254

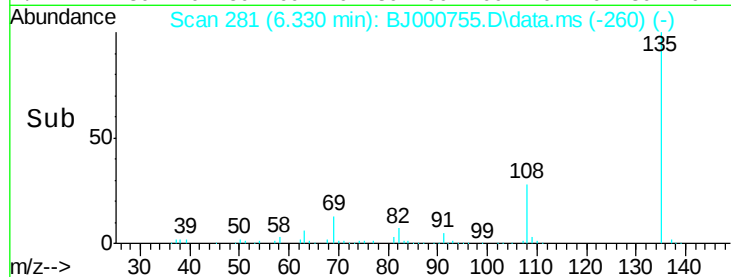
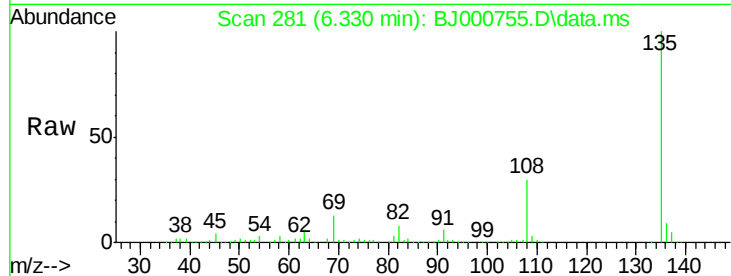
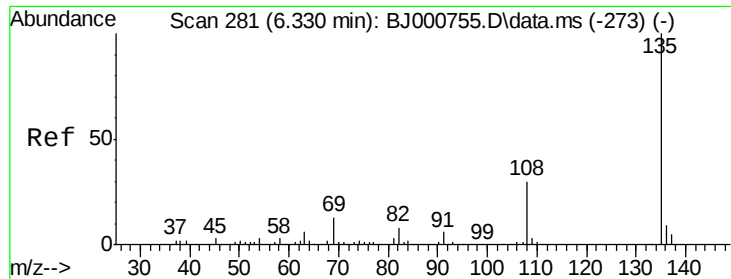
Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	3536033		
45	73.3	53.3	93.3	
47	29.3	9.3	49.3	





#9

Benzothiazole

Concen: 12.43 ug/mL

RT: 6.330 min Scan# 281

Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Tgt Ion:	135	Resp:	3794415
Ion Ratio	Lower	Upper	
135	100		
108	29.9	9.9	49.9
69	12.5	0.0	32.5

Instrument :

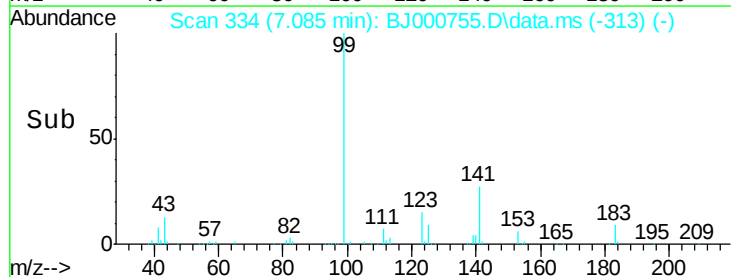
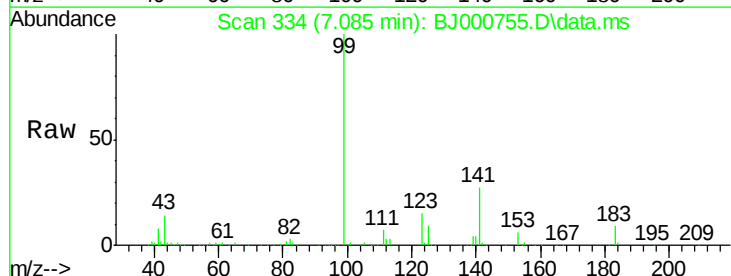
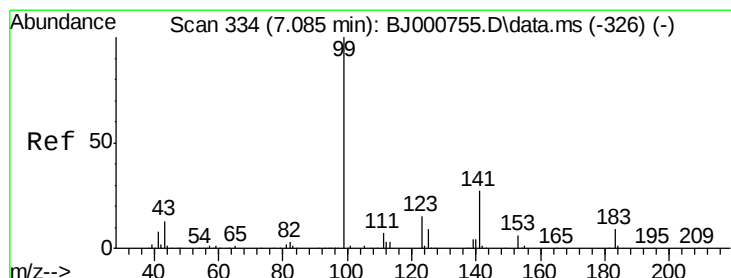
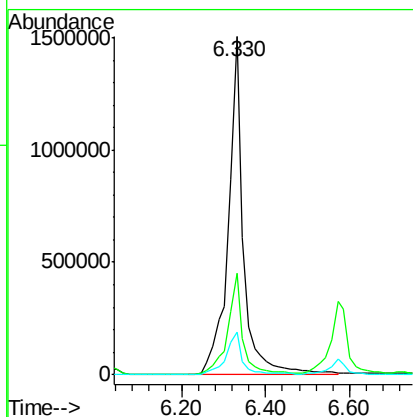
BNA_J

ClientSampleId :

CWA-4

Manual Integrations
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#10

Tripropylphosphate

Concen: 2.66 ug/mL

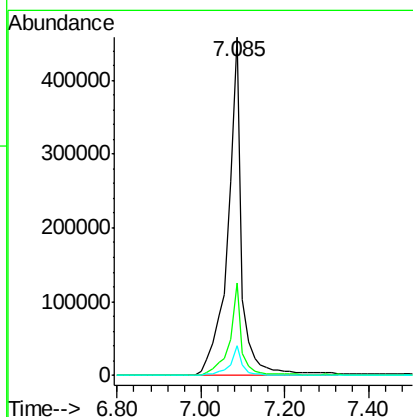
RT: 7.085 min Scan# 334

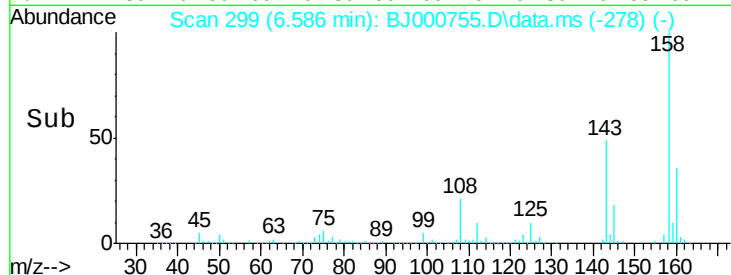
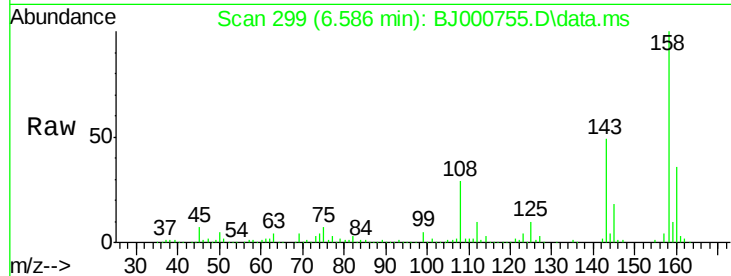
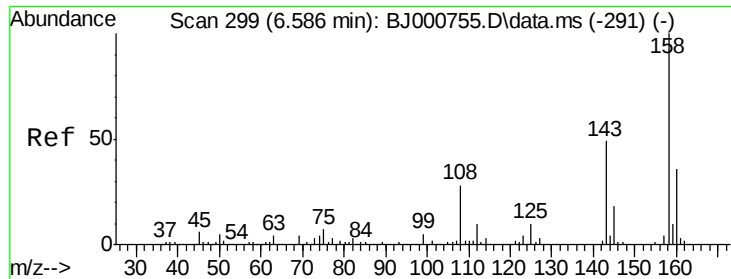
Delta R.T. 0.000 min

Lab File: BJ000755.D

Acq: 17 Apr 2012 13:58

Tgt Ion:	99	Resp:	1050246
Ion Ratio	Lower	Upper	
99	100		
141	23.8	19.1	28.7
183	7.7	6.2	9.2





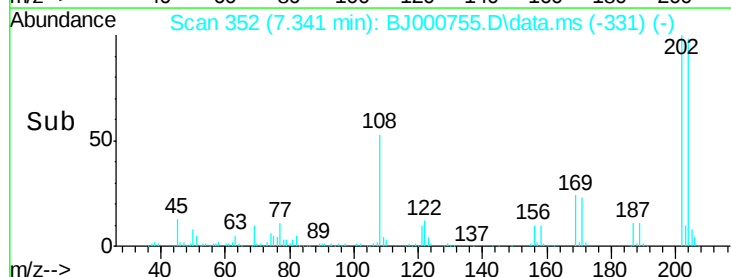
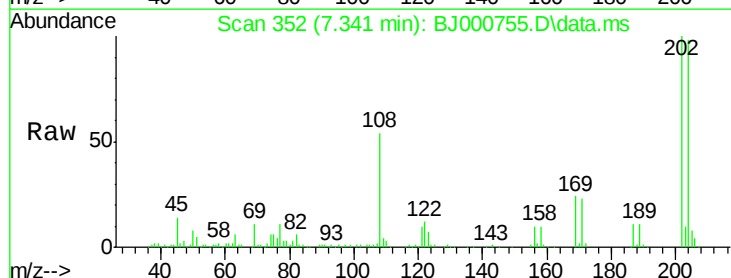
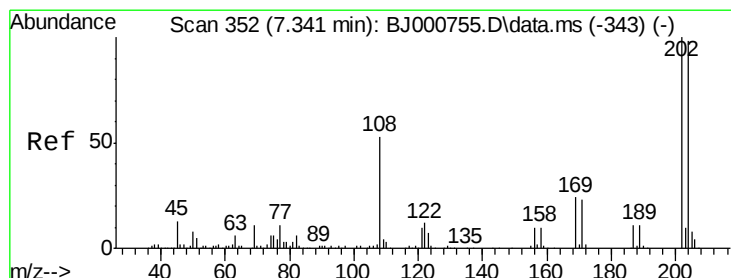
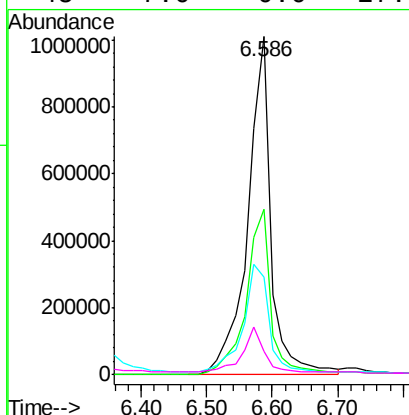
#11
p-Chlorophenylmethylsulfide
Concen: 13.61 ug/mL
RT: 6.586 min Scan# 299
Delta R.T. 0.000 min
Lab File: BJ000755.D
Acq: 17 Apr 2012 13:58

Instrument :
BNA_J
ClientSampled :
CWA-4

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	2478370		
143	48.9		28.9	68.9
108	28.9		8.9	48.9
45	7.0		0.0	27.0

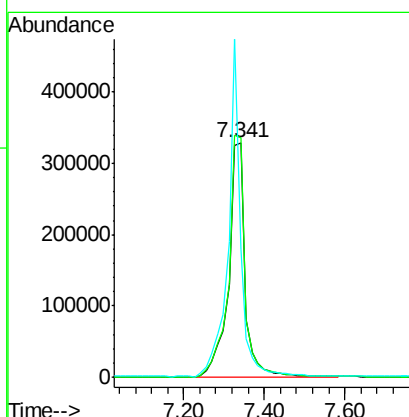
Manual Integrations
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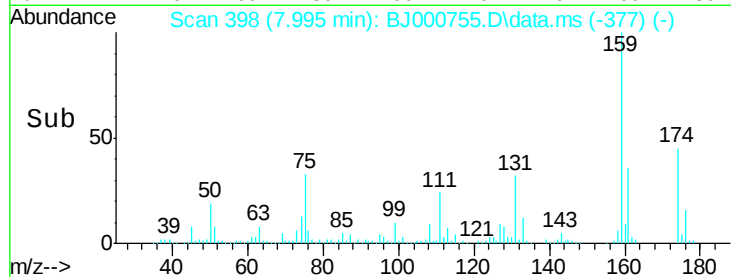
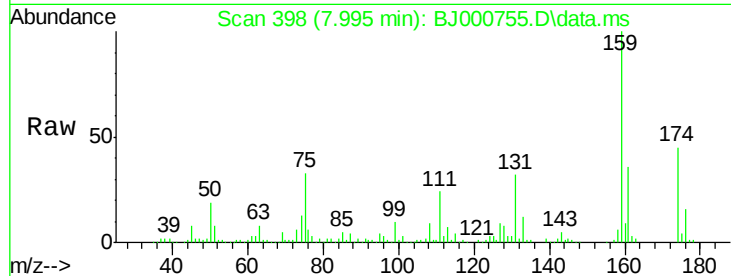
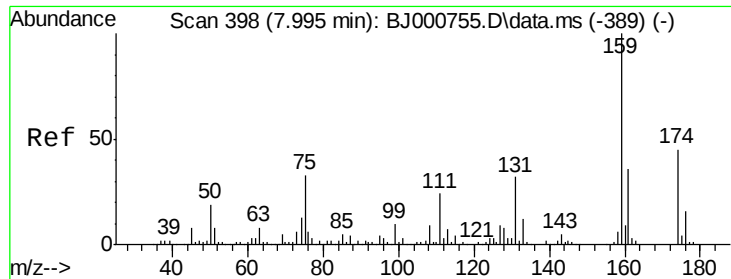
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#12
2-Bromothioanisole
Concen: 13.00 ug/mL
RT: 7.341 min Scan# 352
Delta R.T. 0.000 min
Lab File: BJ000755.D
Acq: 17 Apr 2012 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	954191		
202	102.0		82.0	122.0
108	54.9		34.9	74.9





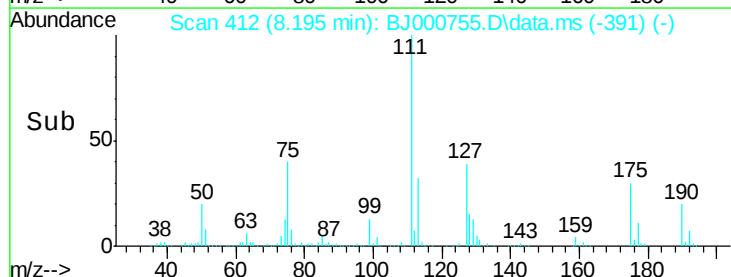
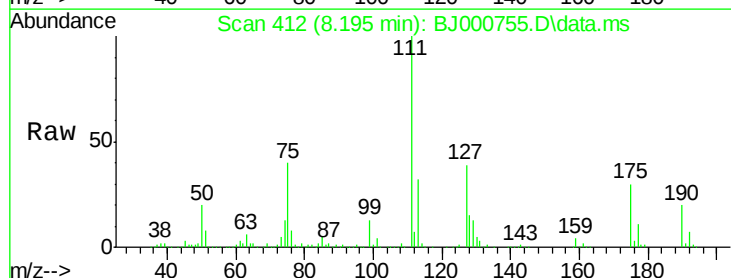
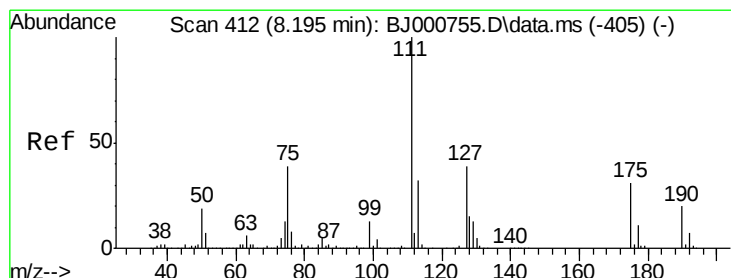
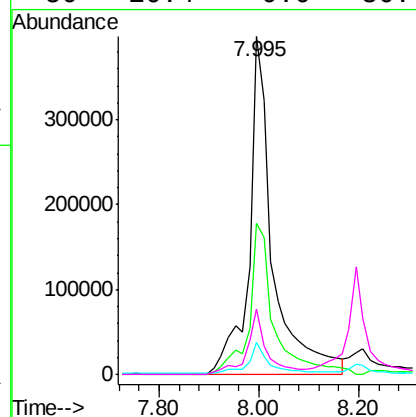
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.58 ug/mL
RT: 7.995 min Scan# 398
Delta R.T. 0.000 min
Lab File: BJ000755.D
Acq: 17 Apr 2012 13:58

Instrument :
BNA_J
ClientSampled :
CWA-4

Tgt Ion	Ratio	Lower	Upper
159	100		
174	47.3	27.3	67.3
108	8.2	0.0	28.2
50	16.4	0.0	36.4

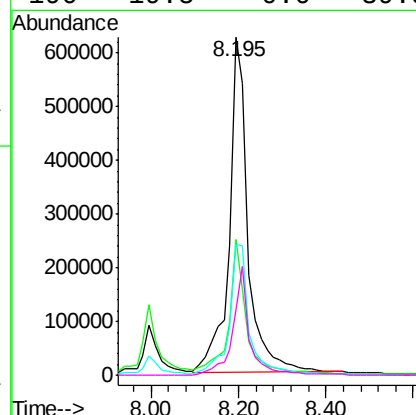
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#14
p-Chlorophenylmethylsulfone
Concen: 11.01 ug/mL
RT: 8.195 min Scan# 412
Delta R.T. 0.000 min
Lab File: BJ000755.D
Acq: 17 Apr 2012 13:58

Tgt Ion	Ratio	Lower	Upper
111	100		
75	40.1	20.1	60.1
127	38.5	18.5	58.5
190	19.5	0.0	39.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
 Data File : BJ000755.D
 Acq On : 17 Apr 2012 13:58
 Operator : HLM
 Sample : CWA-4
 Misc : BNA_J HLM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-4

Manual Integrations
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AHPatel
 4/21/2012 4:18:06 AM

Quant Time: Apr 20 04:59:41 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	4.736	152	278283	2.00	ug/mL	0.00
6) Naphthalene-d8	6.031	136	1134950	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.085	99	1050246	2.66	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	532.00%#	
12) 2-Bromothioanisole	7.341	204	954191	13.00	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	260.00%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.644	94	677066	5.27	ug/mL	100
3) DMMP	3.598	79	226894	3.66	ug/mL	100
4) DIMP	5.007	97	618960	2.66	ug/mL	100
5) 1,4-Oxathiane	3.712	46	608882	6.09	ug/mL	100
7) 1,4-Dithiane	5.192	46	492960	5.98	ug/mL	100
8) Thiodiglycol	5.946	61	3536033m	47.60	ug/mL	
9) Benzothiazole	6.330	135	3794415	12.43	ug/mL	100
11) p-Chlorophenylmethyisu...	6.586	158	2478370	13.61	ug/mL	100
13) p-Chlorophenylmethyisu...	7.995	159	1311300	12.58	ug/mL	100
14) p-Chlorophenylmethyisu...	8.195	111	1842886	11.01	ug/mL	100

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