

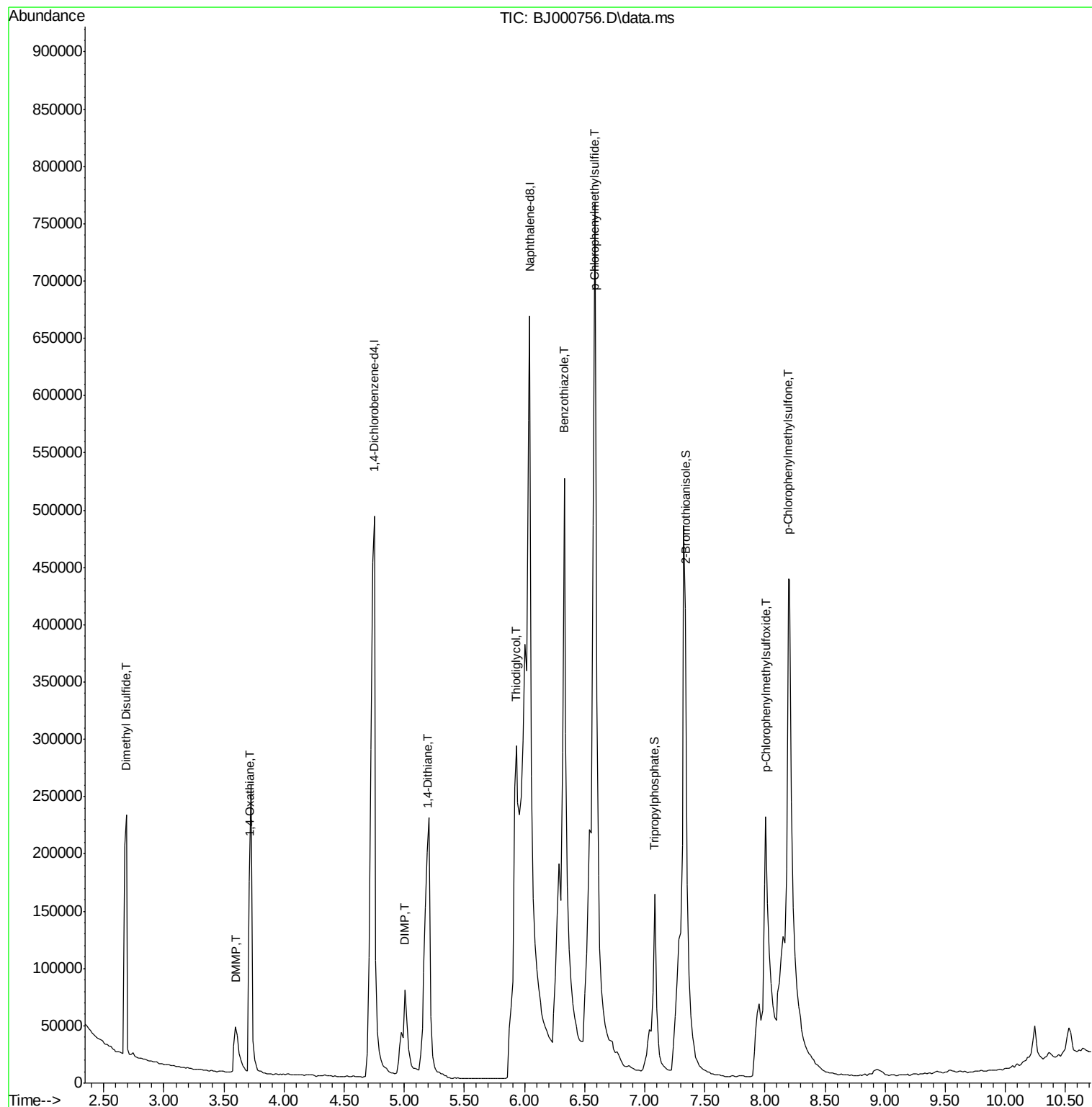
Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
Data File : BJ000756.D
Acq On : 17 Apr 2012 14:16
Operator : HLM
Sample : CWA-3
Misc : BNA_J HLM
ALS Vial : 5 Sample Multiplier: 1

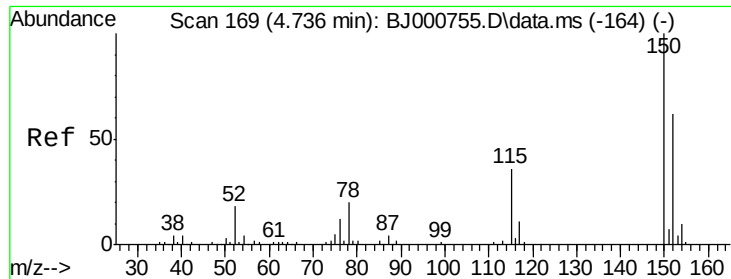
Instrument :
BNA_J
ClientSampleId :
CWA-3

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:07 AM

Quant Time: Apr 21 04:55:52 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: 4.750 min Scan# 17

Delta R.T. 0.013 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Instrument :

BNA_J

ClientSampleId :

CWA-3

Tgt Ion:152 Resp: 273136

Ion Ratio Lower Upper

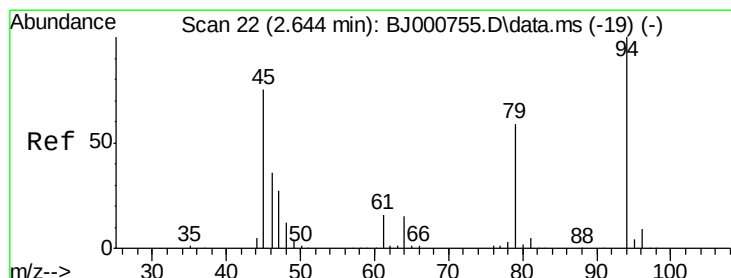
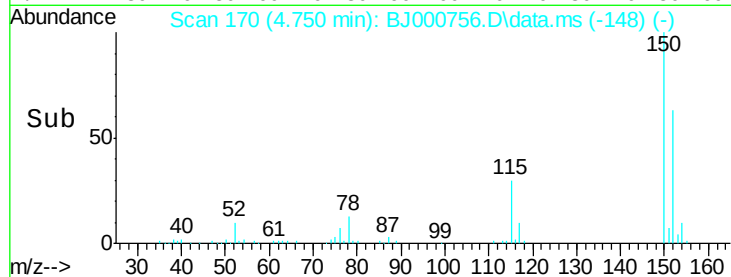
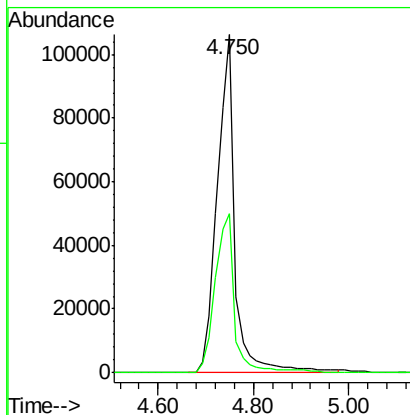
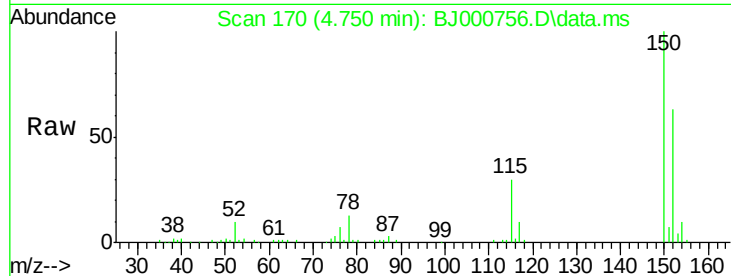
152 100

115 47.0 38.0 78.0

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#2

Dimethyl Disulfide

Concen: 0.90 ug/mL

RT: 2.686 min Scan# 25

Delta R.T. 0.042 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

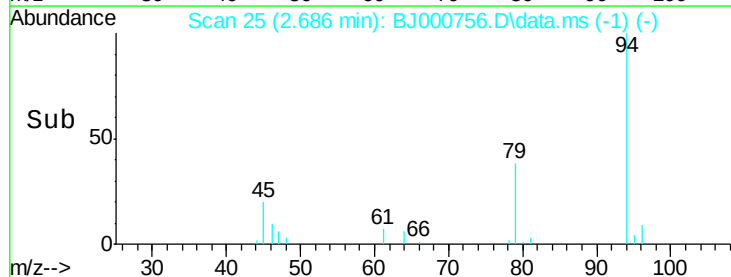
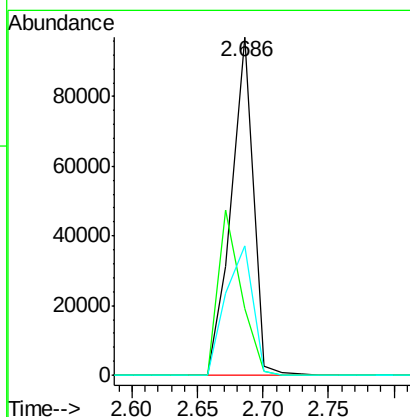
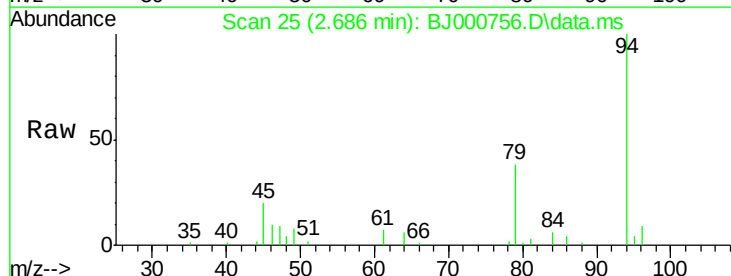
Tgt Ion: 94 Resp: 113039

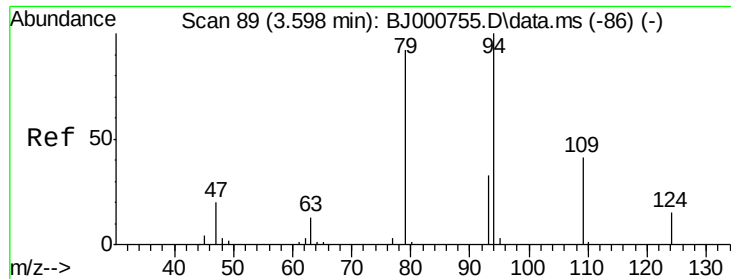
Ion Ratio Lower Upper

94 100

45 19.8 54.7 94.7#

79 38.3 38.8 78.8#





#3

DMMP

Concen: 0.62 ug/mL

RT: 3.597 min Scan# 89

Delta R.T. -0.001 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Instrument :

BNA_J

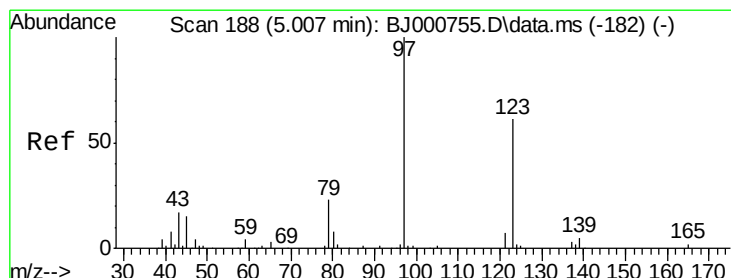
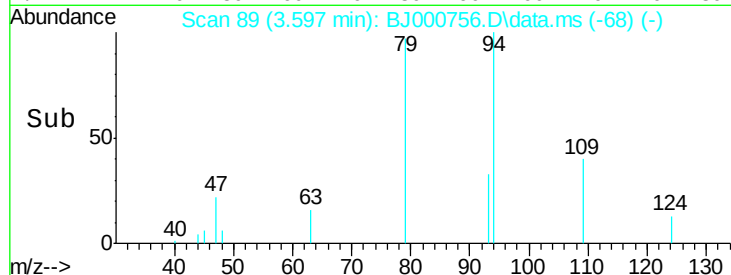
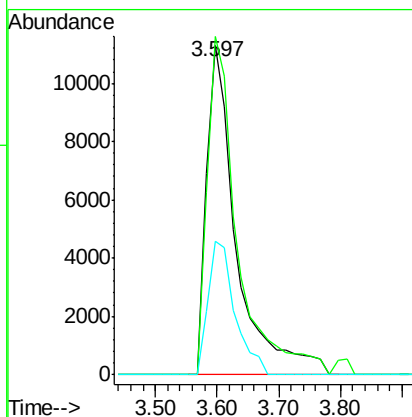
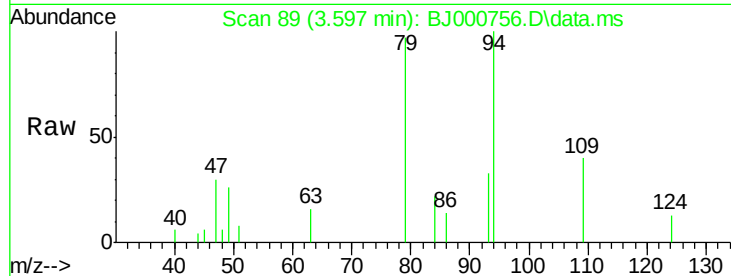
ClientSampled :

CWA-3

Tgt Ion:	79	Resp:	37708
Ion Ratio	Lower	Upper	
79	100		
94	102.8	88.2	128.2
109	40.7	24.6	64.6

Manual Integrations
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#4

DIMP

Concen: 0.45 ug/mL

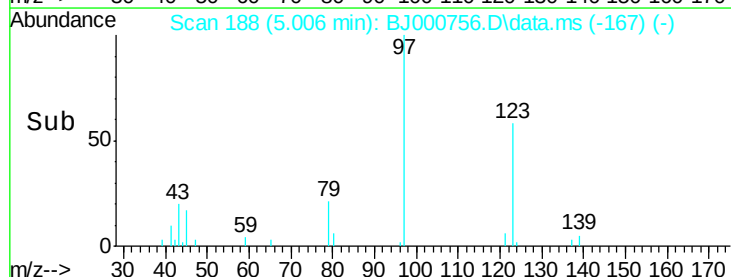
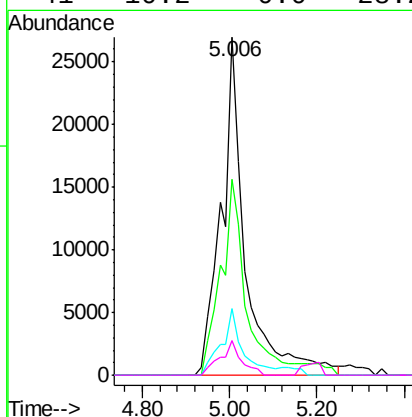
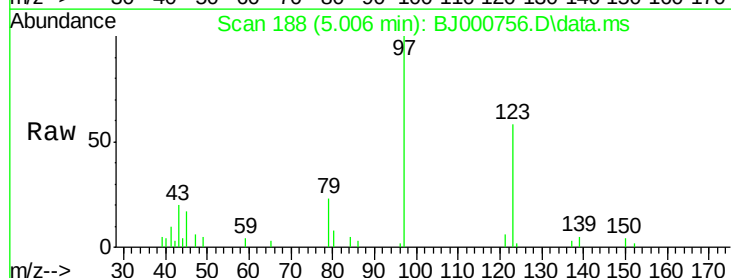
RT: 5.006 min Scan# 188

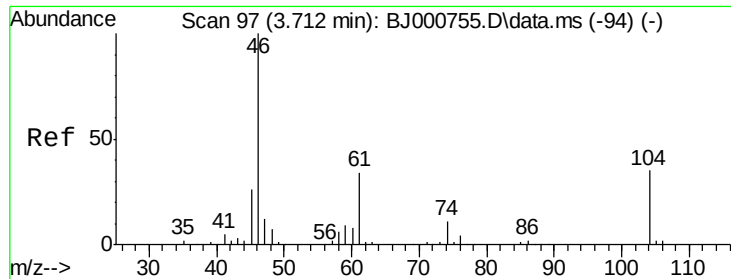
Delta R.T. -0.001 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Tgt Ion:	97	Resp:	103038
Ion Ratio	Lower	Upper	
97	100		
123	57.8	41.1	81.1
43	19.6	0.0	36.9
41	10.2	0.0	28.2





#5

1,4-Oxathiane

Concen: 1.20 ug/mL

RT: 3.711 min Scan# 97

Delta R.T. -0.001 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Instrument :

BNA_J

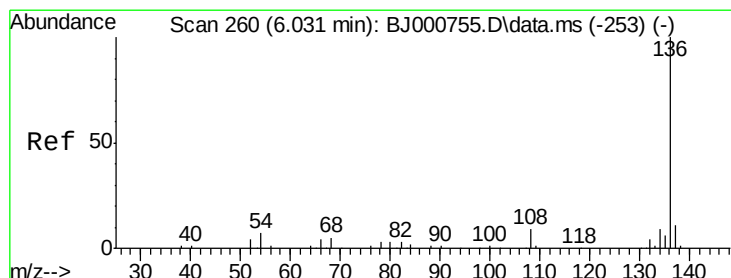
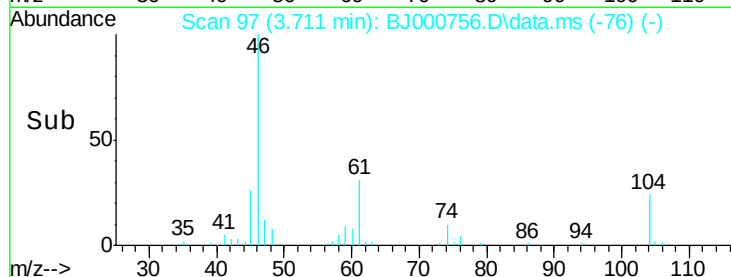
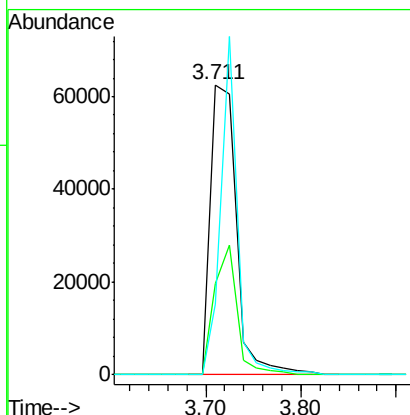
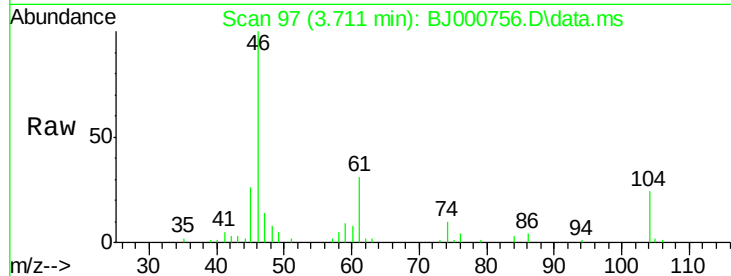
ClientSampleId :

CWA-3

Tgt Ion:	46	Resp:	117900
Ion Ratio	Lower	Upper	
46	100		
61	31.3	13.9	53.9
104	24.1	14.6	54.6

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

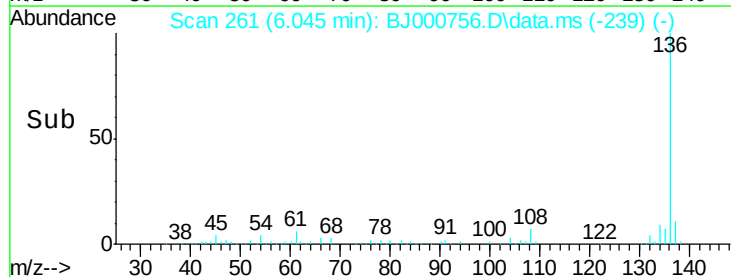
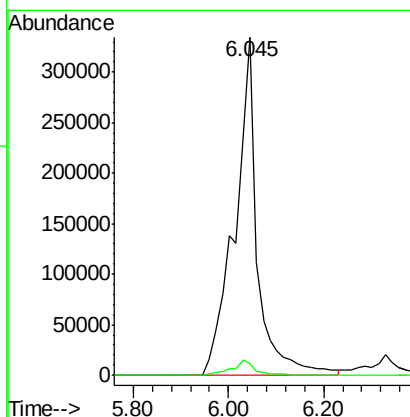
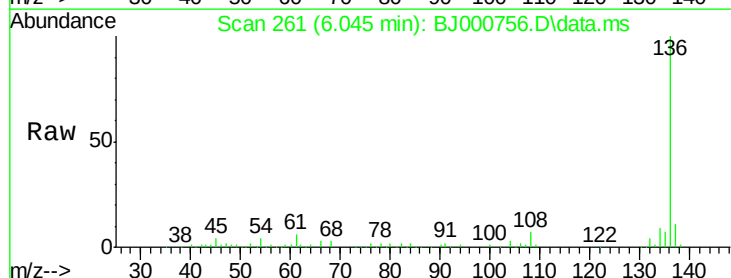
RT: 6.045 min Scan# 261

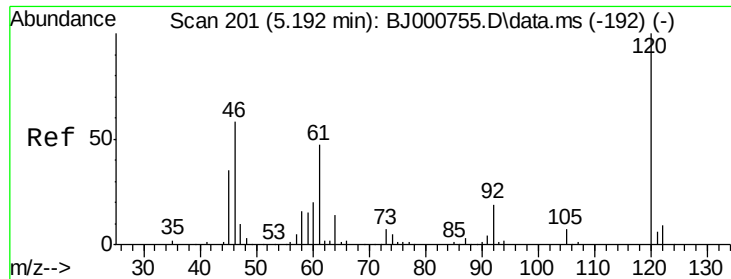
Delta R.T. 0.013 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Tgt Ion:	136	Resp:	1103466
Ion Ratio	Lower	Upper	
136	100		
68	3.4	0.0	25.1





#7

1,4-Dithiane

Concen: 1.22 ug/mL

RT: 5.191 min Scan# 201

Delta R.T. -0.001 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Instrument :

BNA_J

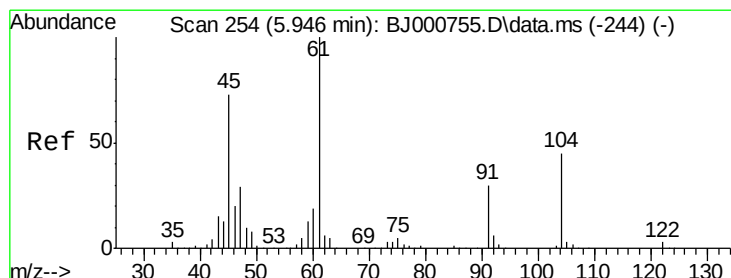
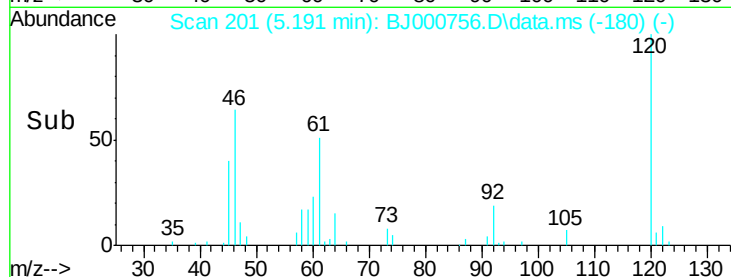
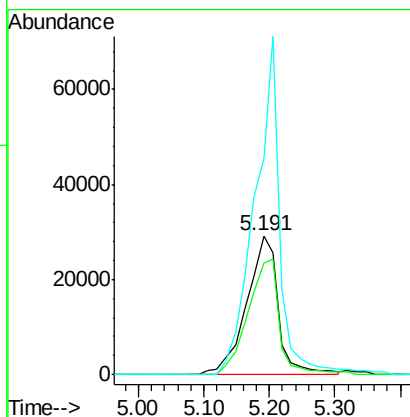
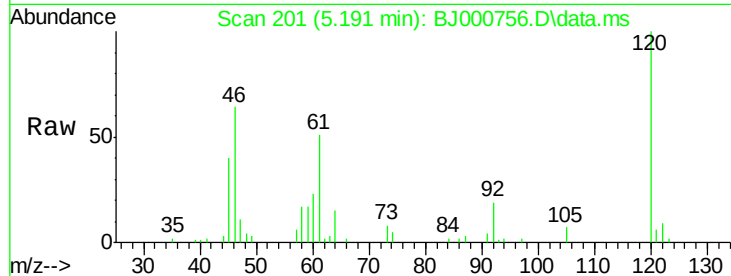
ClientSampled :

CWA-3

Tgt Ion	Ratio	Lower	Upper
46	100		
61	80.1	61.1	101.1
120	156.0	152.3	192.3

Manual Integrations
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#8

Thiodiglycol

Concen: 10.59 ug/mL m

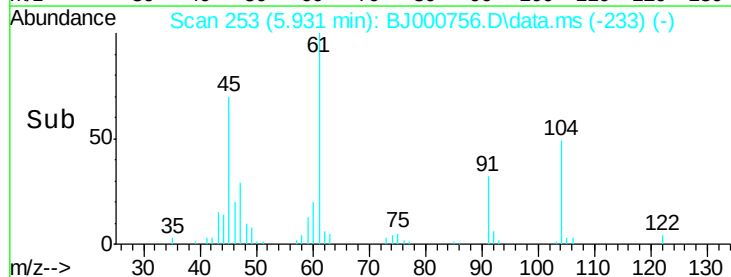
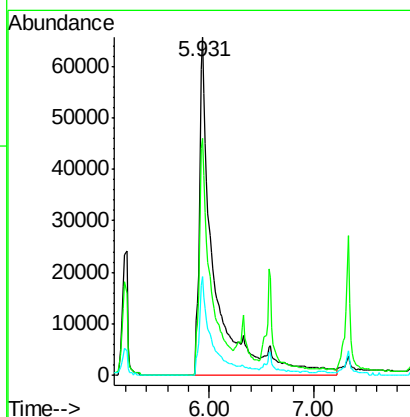
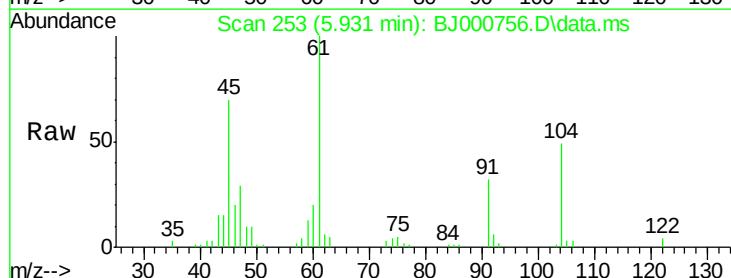
RT: 5.931 min Scan# 253

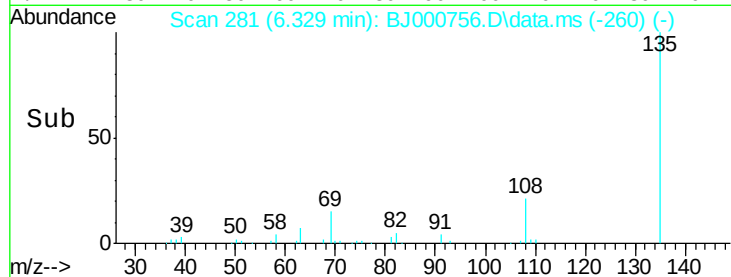
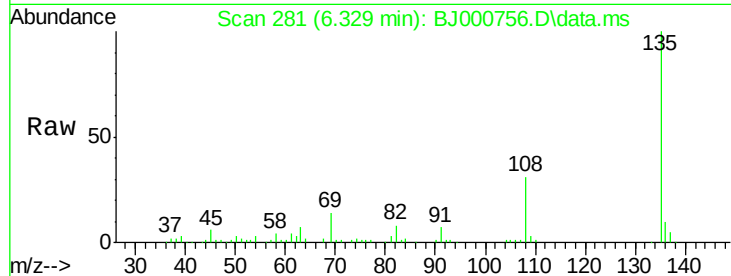
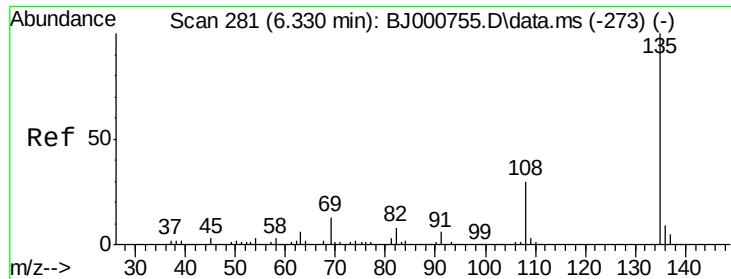
Delta R.T. -0.015 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Tgt Ion	Ratio	Lower	Upper
61	100		
45	70.2	53.3	93.3
47	29.4	9.3	49.3





#9

Benzothiazole

Concen: 2.56 ug/mL

RT: 6.329 min Scan# 281

Delta R.T. -0.001 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Tgt Ion:	135	Resp:	760237
Ion Ratio	Lower	Upper	
135	100		
108	30.6	9.9	49.9
69	13.6	0.0	32.5

Instrument :

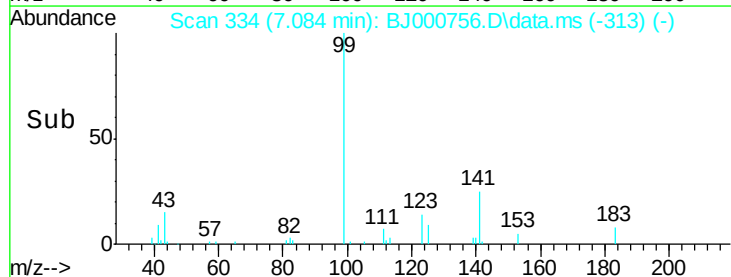
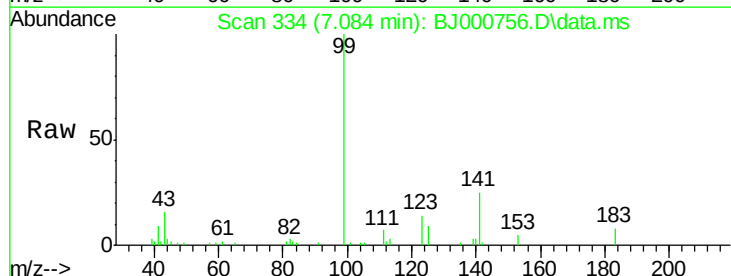
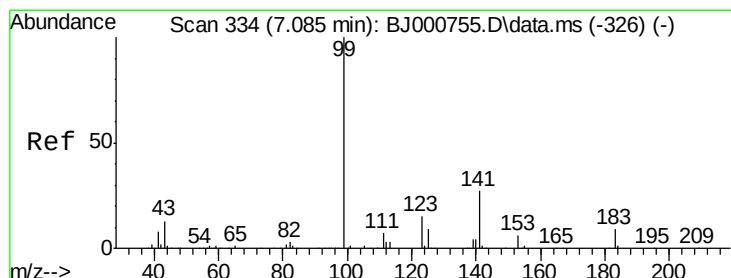
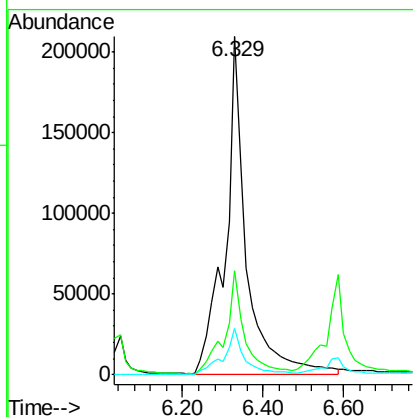
BNA_J

ClientSampleId :

CWA-3

Manual Integrations
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#10

Tripropylphosphate

Concen: 0.50 ug/mL

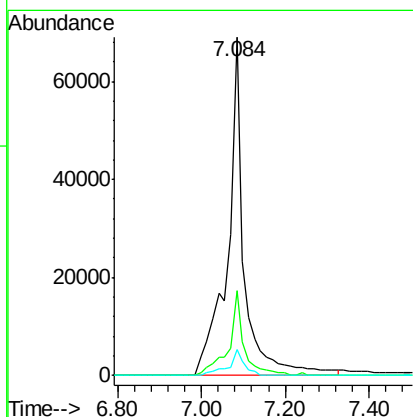
RT: 7.084 min Scan# 334

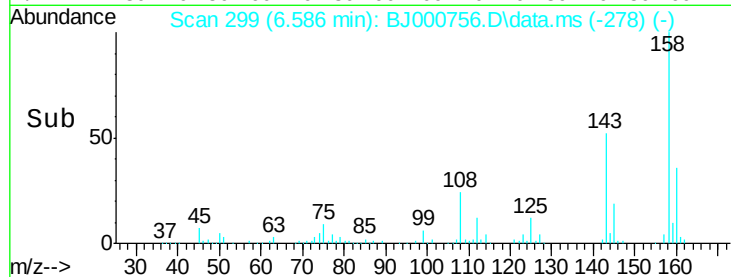
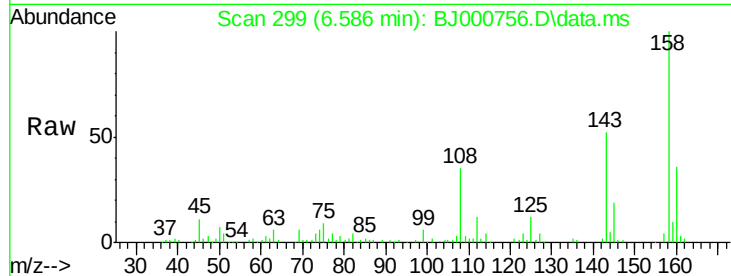
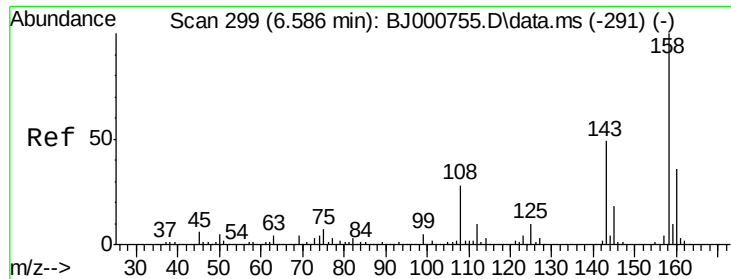
Delta R.T. -0.001 min

Lab File: BJ000756.D

Acq: 17 Apr 2012 14:16

Tgt Ion:	99	Resp:	190254
Ion Ratio	Lower	Upper	
99	100		
141	23.0	19.1	28.7
183	6.9	6.2	9.2





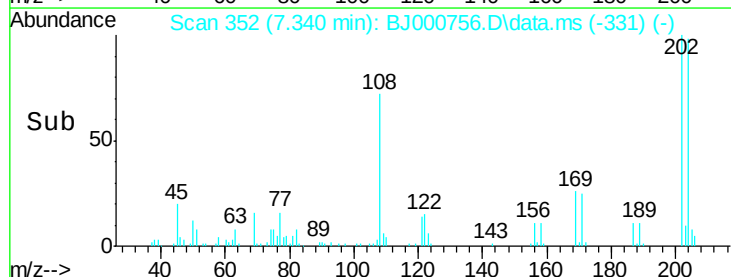
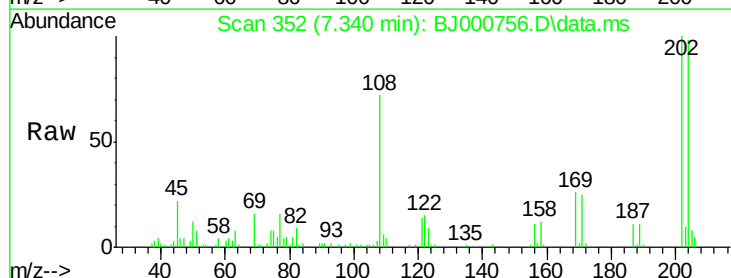
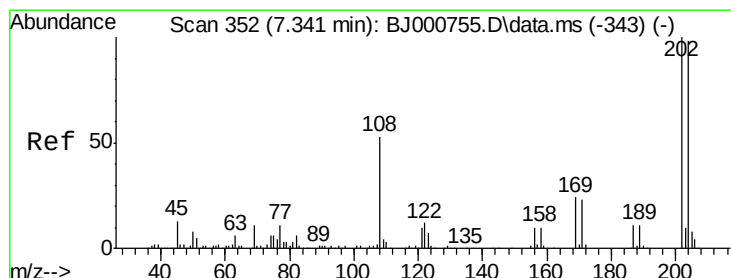
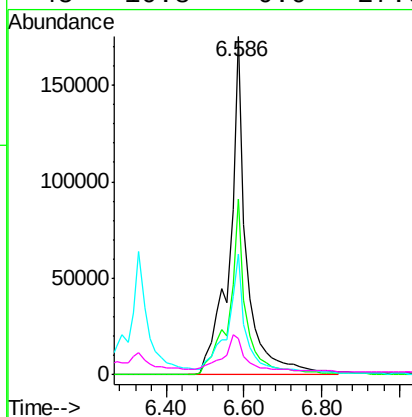
#11
p-Chlorophenylmethylsulfide
Concen: 2.99 ug/mL
RT: 6.586 min Scan# 299
Delta R.T. -0.001 min
Lab File: BJ000756.D
Acq: 17 Apr 2012 14:16

Instrument :
BNA_J
ClientSampleId :
CWA-3

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	529584		
143	51.9		28.9	68.9
108	35.5		8.9	48.9
45	10.8		0.0	27.0

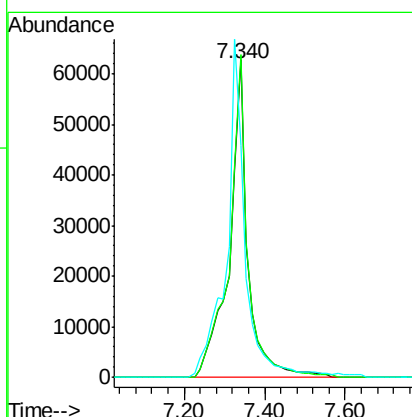
Manual Integrations
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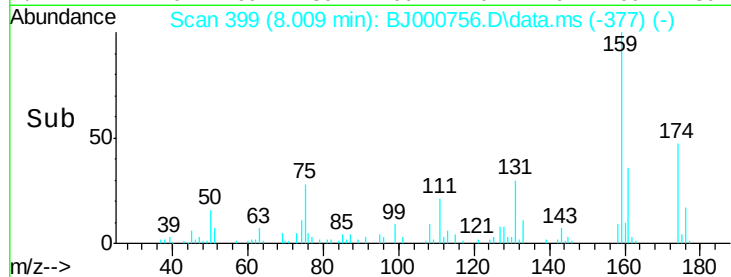
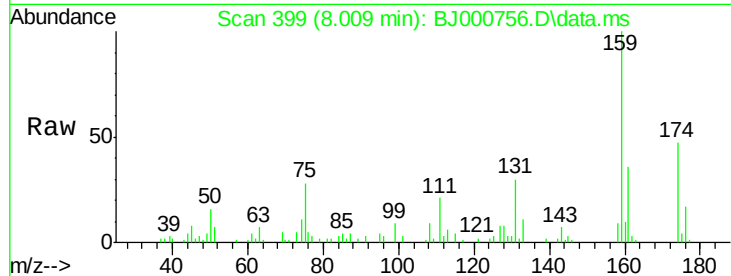
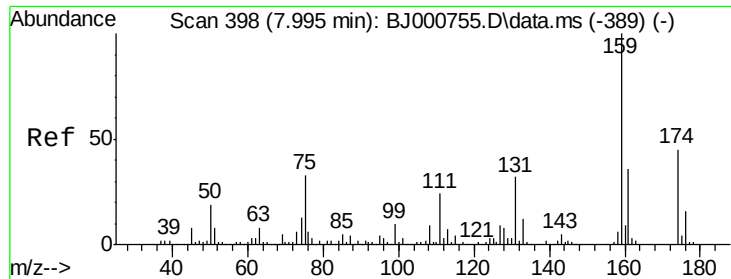
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#12
2-Bromothioanisole
Concen: 2.79 ug/mL
RT: 7.340 min Scan# 352
Delta R.T. -0.001 min
Lab File: BJ000756.D
Acq: 17 Apr 2012 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	199255		
202	101.6		82.0	122.0
108	72.9		34.9	74.9





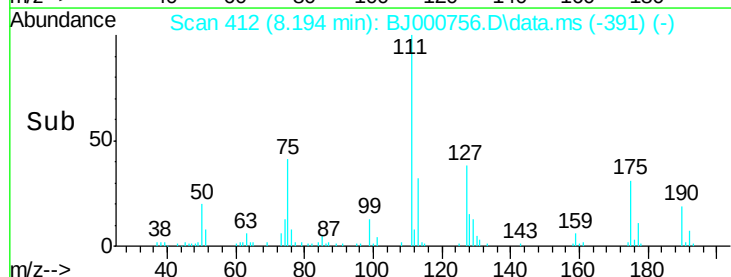
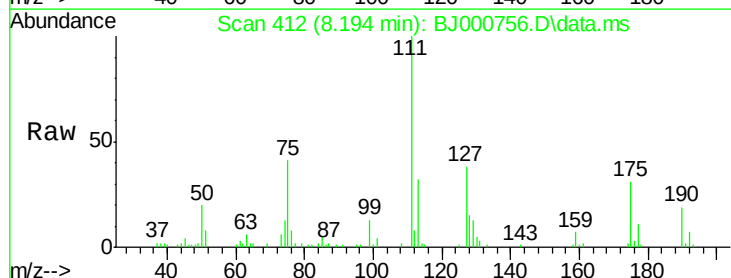
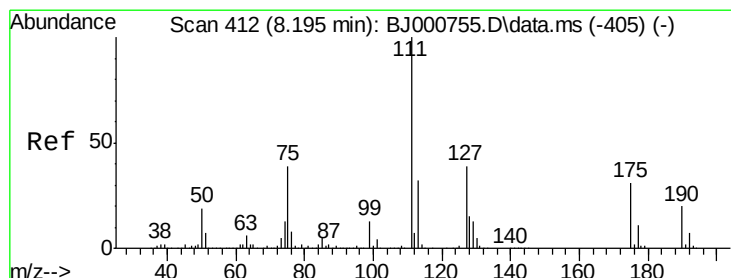
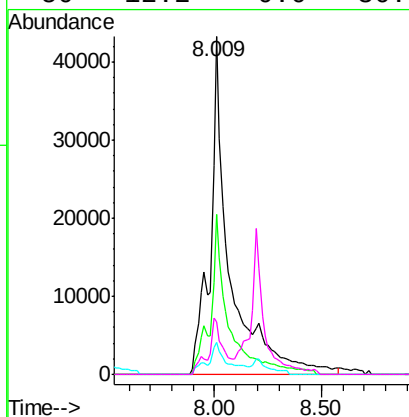
#13
p-Chlorophenylmethylsulfoxide
Concen: 2.74 ug/mL m
RT: 8.009 min Scan# 39
Delta R.T. 0.013 min
Lab File: BJ000756.D
Acq: 17 Apr 2012 14:16

Instrument :
BNA_J
ClientSampleId :
CWA-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
159	100		
174	40.6	27.3	67.3
108	9.6	0.0	28.2
50	12.2	0.0	36.4

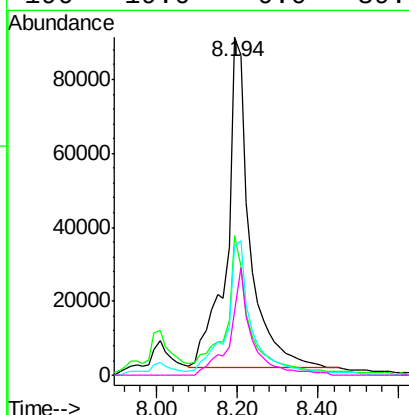
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#14
p-Chlorophenylmethylsulfone
Concen: 2.19 ug/mL
RT: 8.194 min Scan# 412
Delta R.T. -0.001 min
Lab File: BJ000756.D
Acq: 17 Apr 2012 14:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
111	100		
75	41.4	20.1	60.1
127	38.4	18.5	58.5
190	19.0	0.0	39.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
 Data File : BJ000756.D
 Acq On : 17 Apr 2012 14:16
 Operator : HLM
 Sample : CWA-3
 Misc : BNA_J HLM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-3

Manual Integrations
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Quant Time: Apr 21 04:55:52 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	4.750	152	273136	2.00	ug/mL	0.01
6) Naphthalene-d8	6.045	136	1103466	2.00	ug/mL	0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.084	99	190254	0.50	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	100.00%	
12) 2-Bromothioanisole	7.340	204	199255	2.79	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	55.80%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.686	94	113039	0.90	ug/mL#	52
3) DMMP	3.597	79	37708	0.62	ug/mL	95
4) DIMP	5.006	97	103038	0.45	ug/mL	95
5) 1,4-Oxathiane	3.711	46	117900	1.20	ug/mL	89
7) 1,4-Dithiane	5.191	46	97744	1.22	ug/mL	92
8) Thiodiglycol	5.931	61	652887m	10.59	ug/mL	
9) Benzothiazole	6.329	135	760237	2.56	ug/mL	98
11) p-Chlorophenylmethyisu...	6.586	158	529584	2.99	ug/mL	92
13) p-Chlorophenylmethyisu...	8.009	159	277481m	2.74	ug/mL	
14) p-Chlorophenylmethyisu...	8.194	111	356692	2.19	ug/mL	99

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