

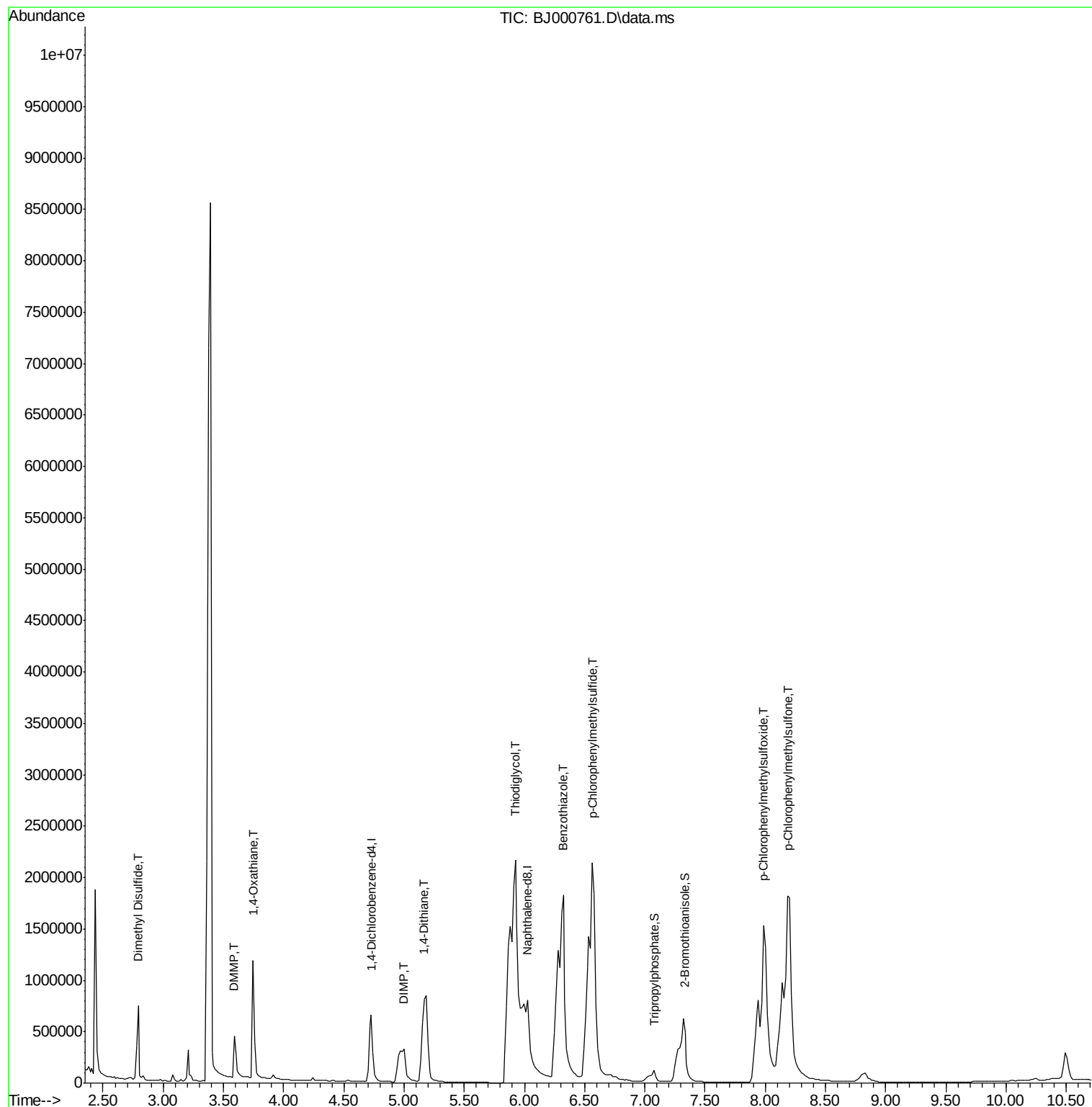
Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
Data File : BJ000761.D
Acq On : 17 Apr 2012 16:53
Operator : HLM
Sample : PB62359BS
Misc : WATER BNA_J HLM
ALS Vial : 10 Sample Multiplier: 1

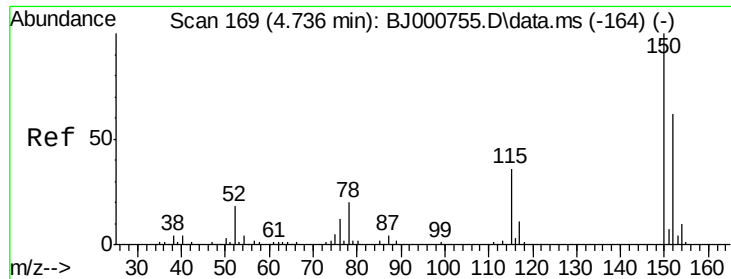
Instrument :
BNA_J
ClientSampleId :
PB62359BS

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:13 AM

Quant Time: Apr 21 04:56:28 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ041712.M
Quant Title : CWA degradation products by GCMS
QLast Update : Tue Apr 17 17:06:28 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.728 min Scan# 16

Delta R.T. -0.009 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Instrument :

BNA_J

ClientSampleId :

PB62359BS

Tgt Ion:152 Resp: 276612

Ion Ratio Lower Upper

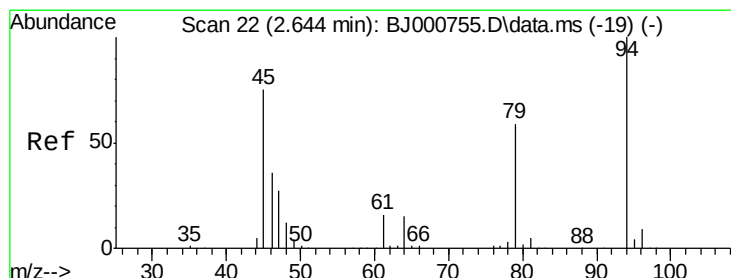
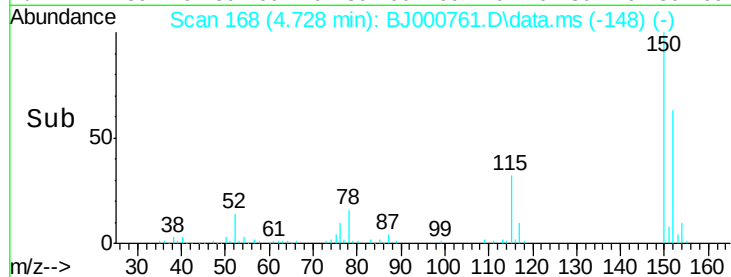
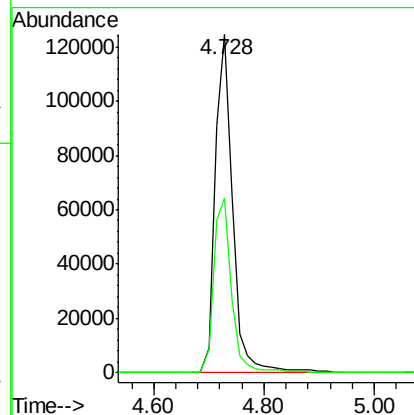
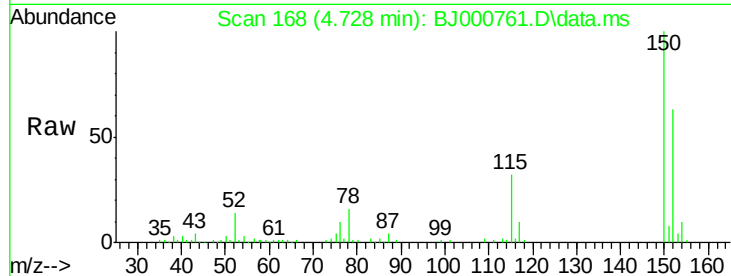
152 100

115 51.5 38.0 78.0

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#2

Dimethyl Disulfide

Concen: 3.36 ug/mL m

RT: 2.792 min Scan# 32

Delta R.T. 0.148 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

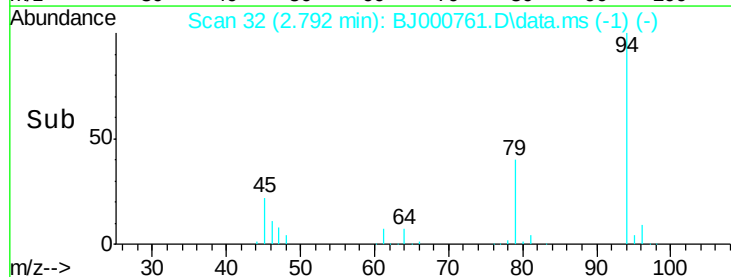
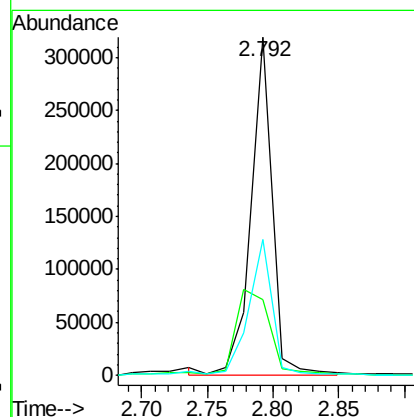
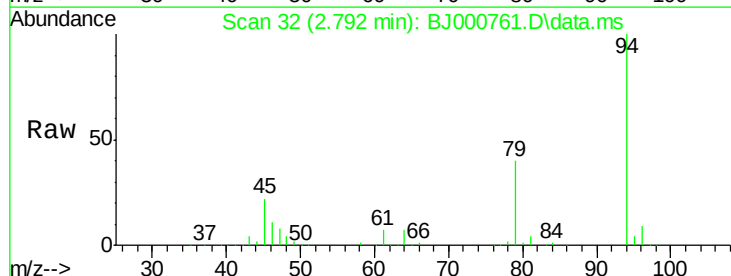
Tgt Ion: 94 Resp: 353709

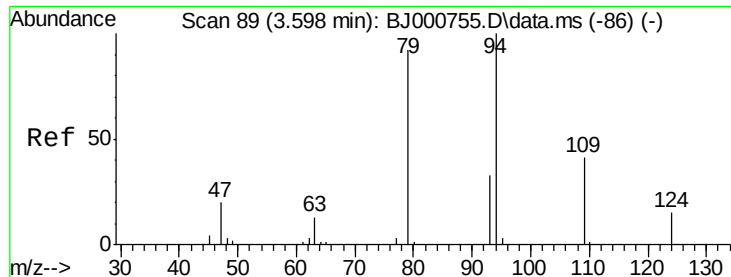
Ion Ratio Lower Upper

94 100

45 22.4 54.7 94.7#

79 40.0 38.8 78.8





#3

DMMP

Concen: 2.97 ug/mL

RT: 3.589 min Scan# 88

Delta R.T. -0.008 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Instrument :

BNA_J

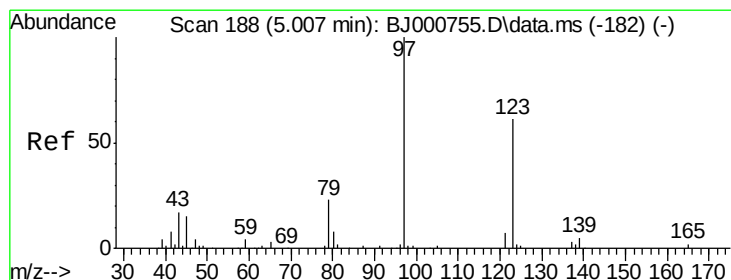
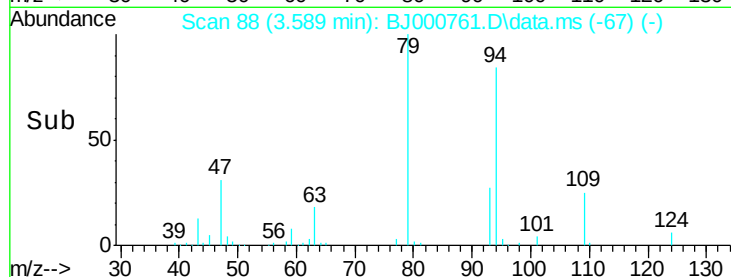
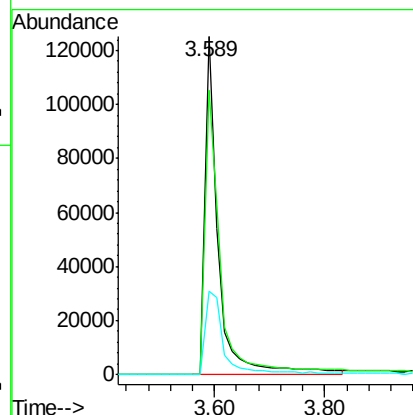
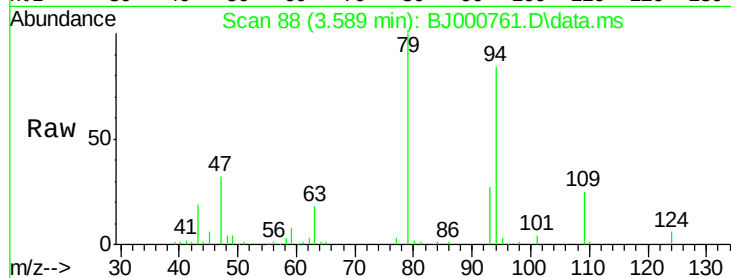
ClientSampleId :

PB62359BS

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	204440		
94	84.1	88.2	128.2	#
109	24.7	24.6	64.6	

Manual Integrations
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#4

DIMP

Concen: 2.05 ug/mL

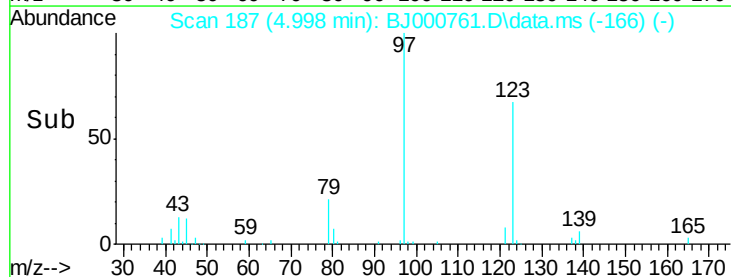
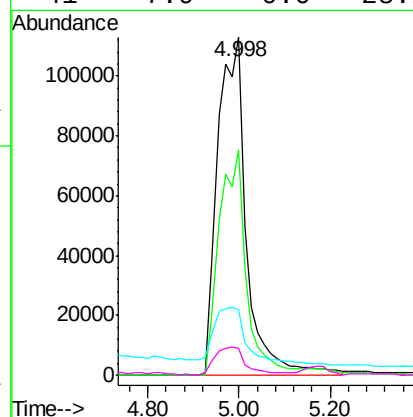
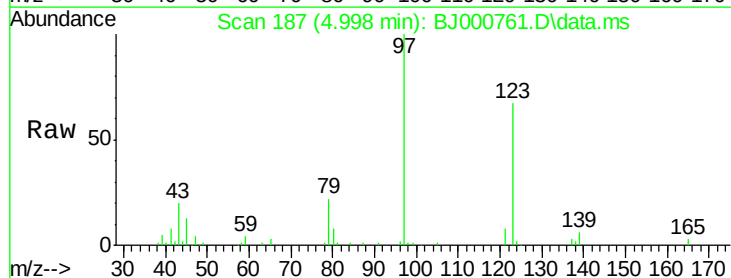
RT: 4.998 min Scan# 187

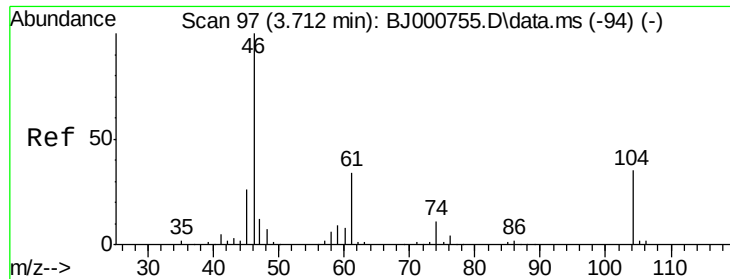
Delta R.T. -0.008 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	492944		
123	66.9	41.1	81.1	
43	19.5	0.0	36.9	
41	7.9	0.0	28.2	





#5

1,4-Oxathiane

Concen: 4.51 ug/mL

RT: 3.746 min Scan# 99

Delta R.T. 0.034 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Instrument :

BNA_J

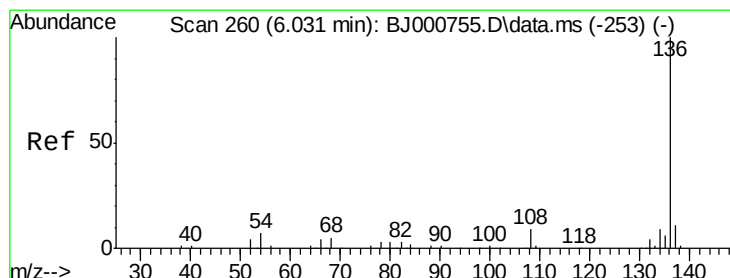
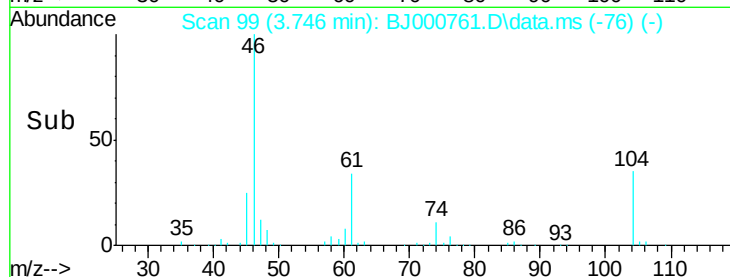
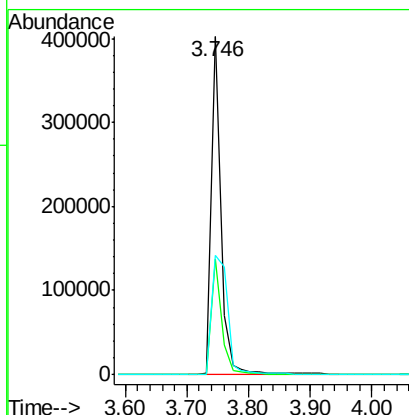
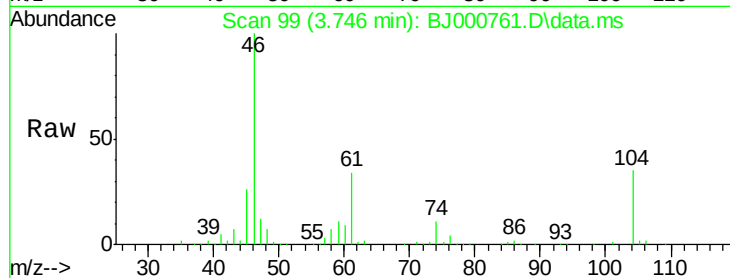
ClientSampleId :

PB62359BS

Tgt Ion:	46	Resp:	434568
Ion Ratio	Lower	Upper	
46	100		
61	34.1	13.9	53.9
104	35.3	14.6	54.6

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

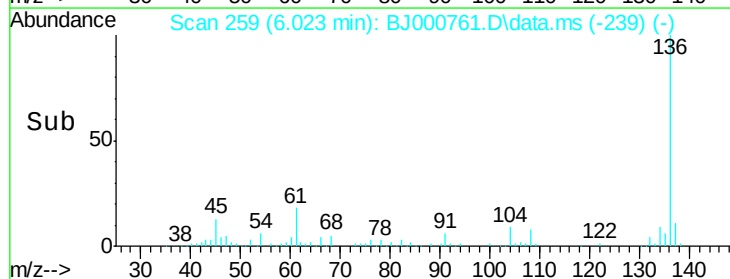
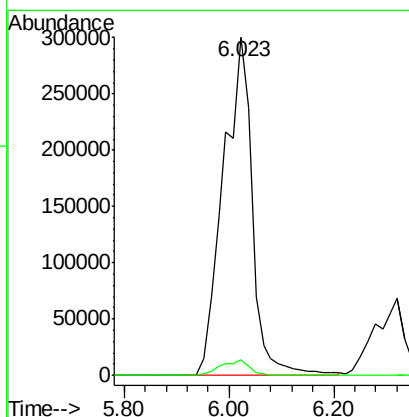
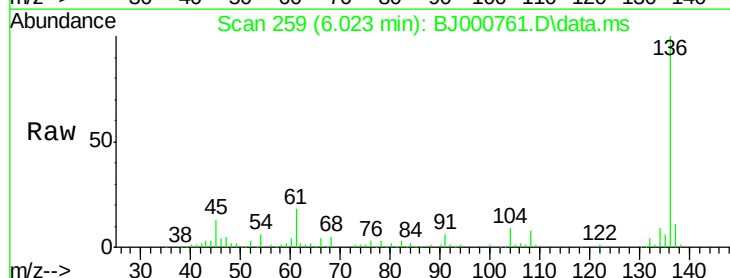
RT: 6.023 min Scan# 259

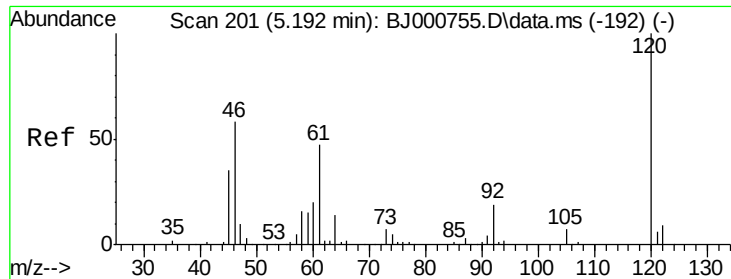
Delta R.T. -0.009 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Tgt Ion:	136	Resp:	1149948
Ion Ratio	Lower	Upper	
136	100		
68	4.5	0.0	25.1





#7

1,4-Dithiane

Concen: 4.58 ug/mL

RT: 5.169 min Scan# 19

Delta R.T. -0.023 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Instrument :

BNA_J

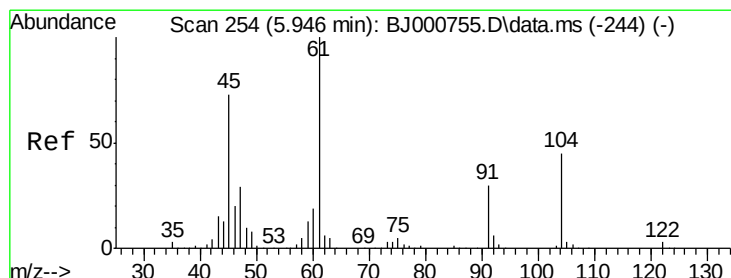
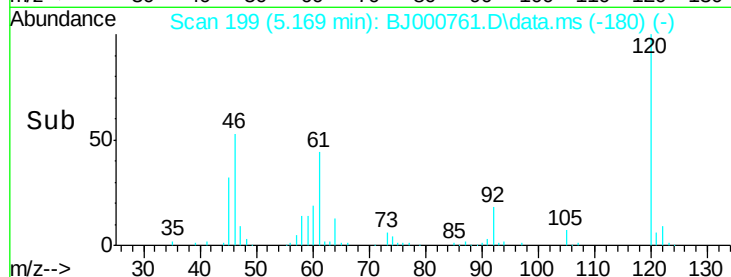
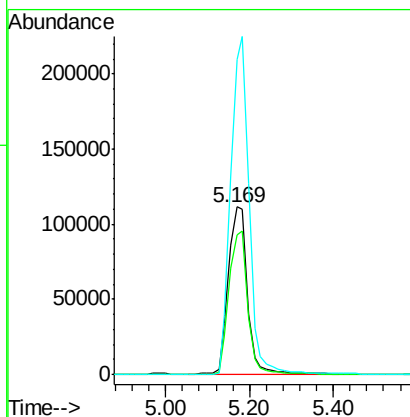
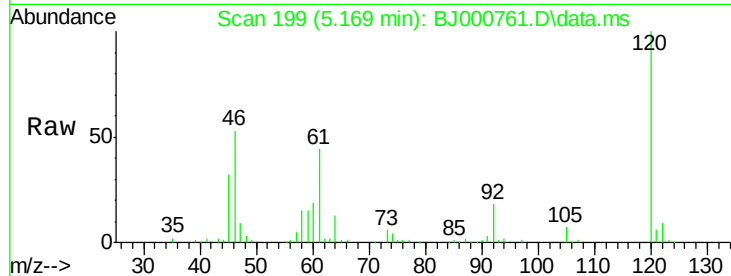
ClientSampleId :

PB62359BS

Tgt Ion	Ratio	Lower	Upper
46	100		
61	83.5	61.1	101.1
120	187.8	152.3	192.3

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#8

Thiodiglycol

Concen: 38.31 ug/mL

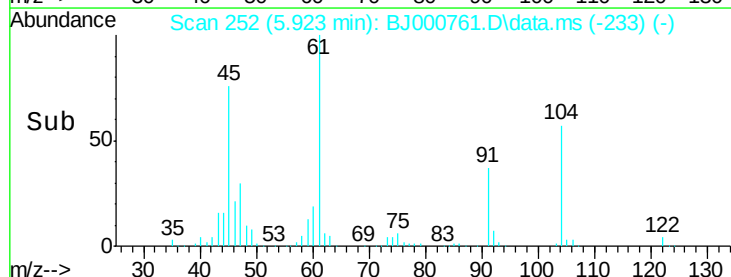
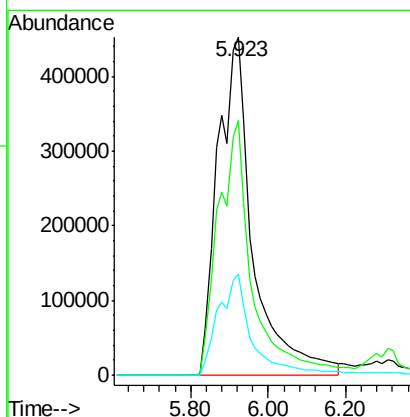
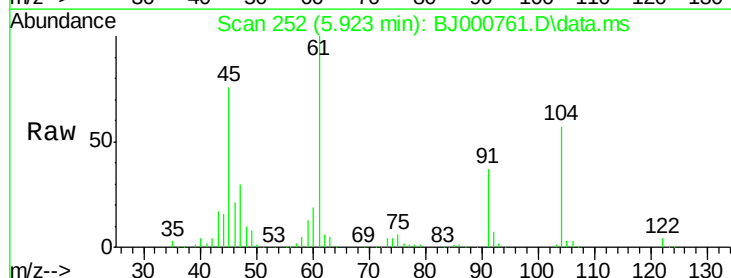
RT: 5.923 min Scan# 252

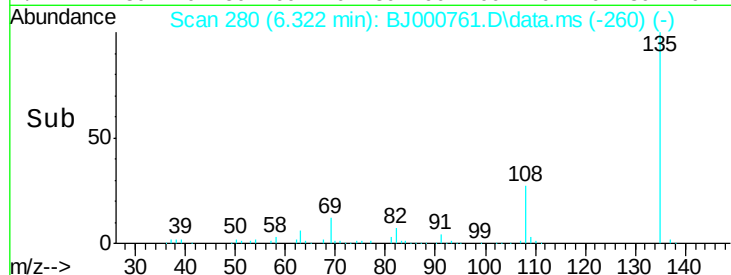
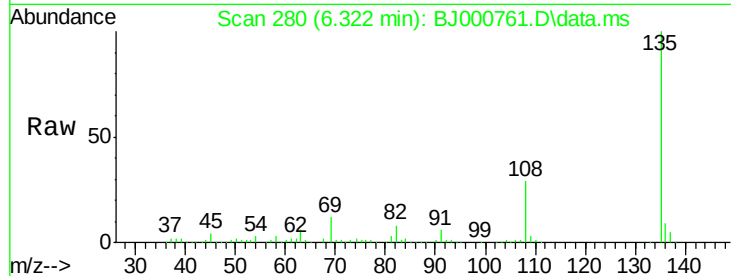
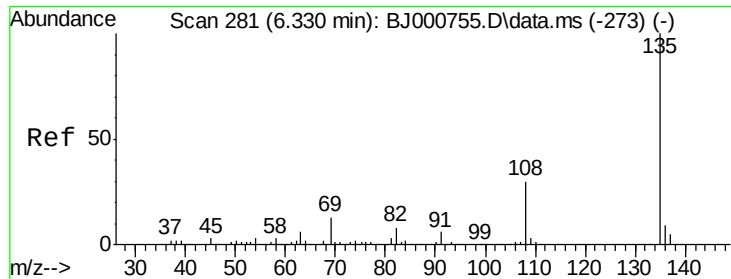
Delta R.T. -0.023 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Tgt Ion	Ratio	Lower	Upper
61	100		
45	75.5	53.3	93.3
47	29.8	9.3	49.3





#9

Benzothiazole

Concen: 10.11 ug/mL

RT: 6.322 min Scan# 28

Delta R.T. -0.008 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Tgt Ion:	135	Resp:	3182651
Ion Ratio	Lower	Upper	
135	100		
108	28.8	9.9	49.9
69	12.1	0.0	32.5

Instrument :

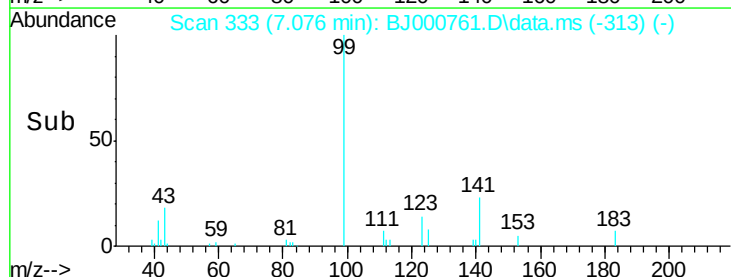
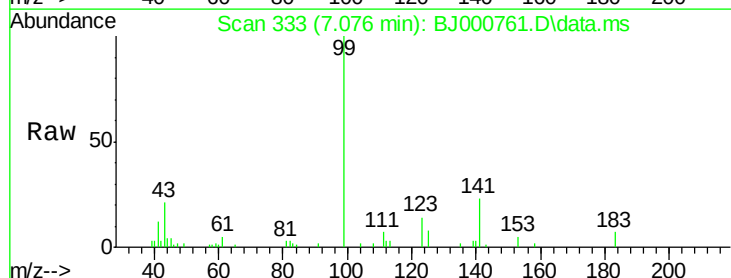
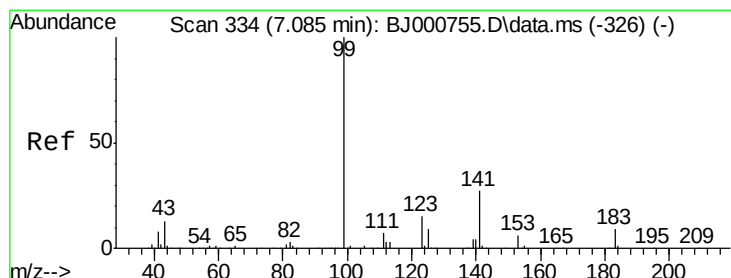
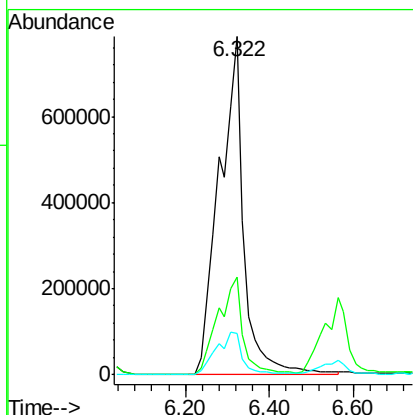
BNA_J

ClientSampleId :

PB62359BS

Manual Integrations
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#10

Tripropylphosphate

Concen: 0.42 ug/mL

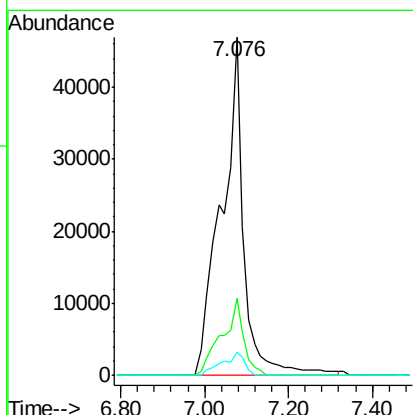
RT: 7.076 min Scan# 333

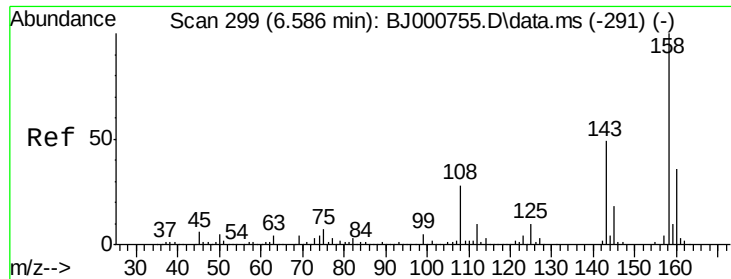
Delta R.T. -0.009 min

Lab File: BJ000761.D

Acq: 17 Apr 2012 16:53

Tgt Ion:	99	Resp:	172982
Ion Ratio	Lower	Upper	
99	100		
141	22.2	19.1	28.7
183	6.9	6.2	9.2





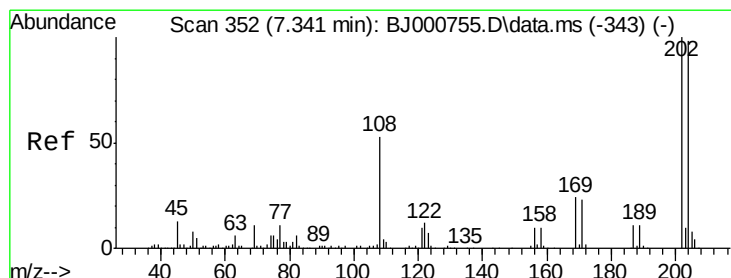
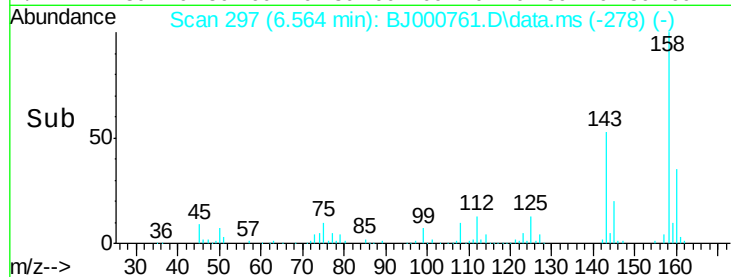
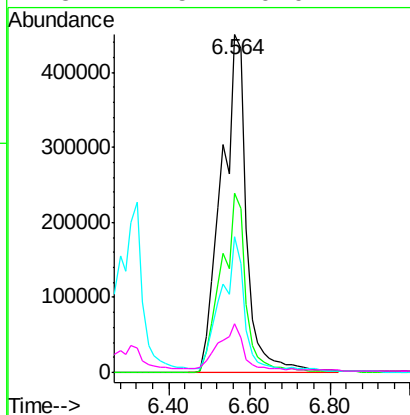
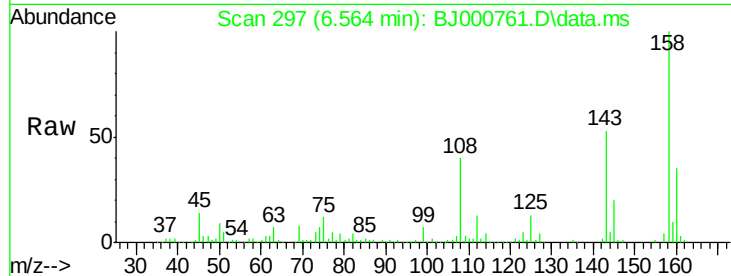
#11
p-Chlorophenylmethylsulfide
Concen: 9.09 ug/mL
RT: 6.564 min Scan# 29
Delta R.T. -0.023 min
Lab File: BJ000761.D
Acq: 17 Apr 2012 16:53

Instrument :
BNA_J
ClientSampleId :
PB62359BS

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	1943044		
143	53.0		28.9	68.9
108	40.0		8.9	48.9
45	14.5		0.0	27.0

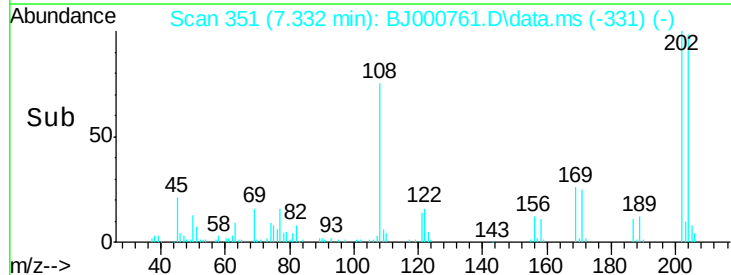
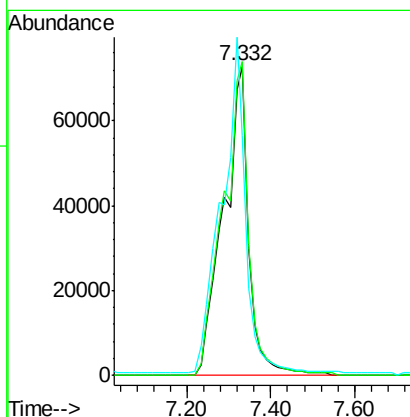
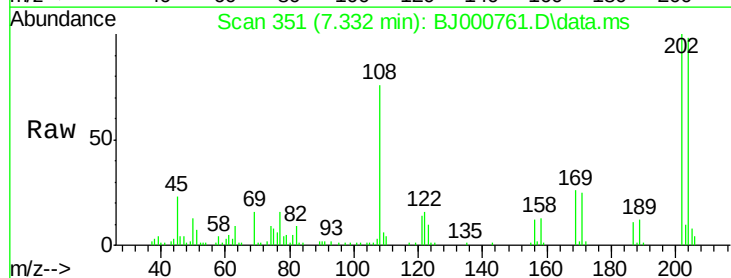
Manual Integrations
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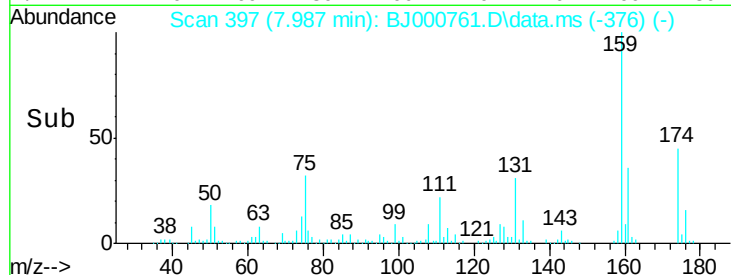
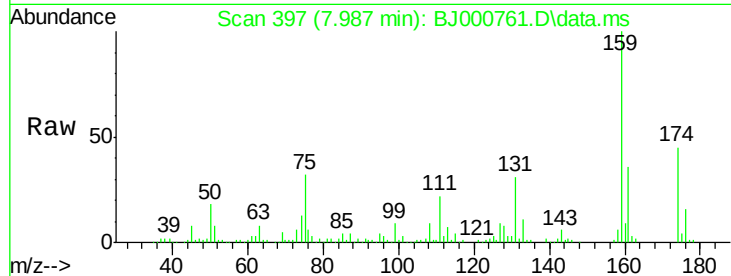
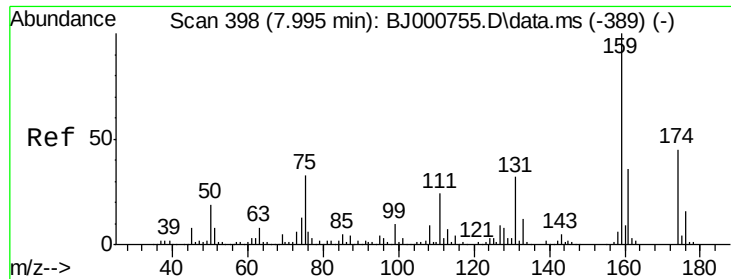
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#12
2-Bromothioanisole
Concen: 3.82 ug/mL
RT: 7.332 min Scan# 351
Delta R.T. -0.009 min
Lab File: BJ000761.D
Acq: 17 Apr 2012 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	304606		
202	101.6		82.0	122.0
108	77.6		34.9	74.9#





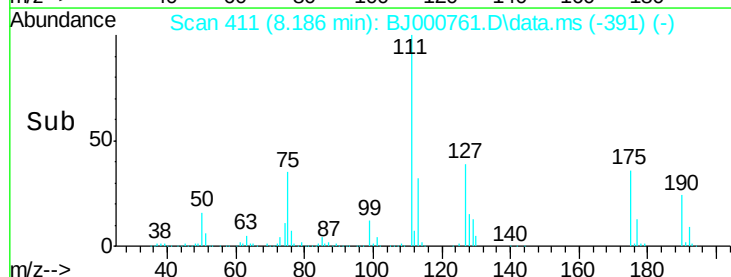
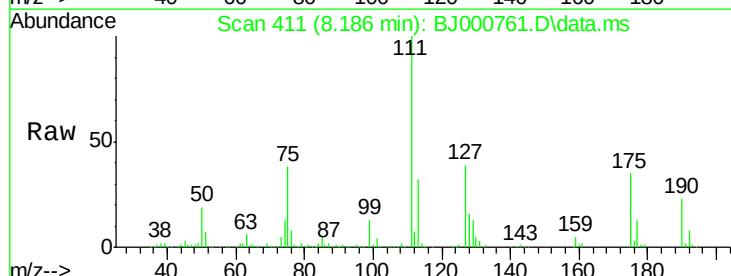
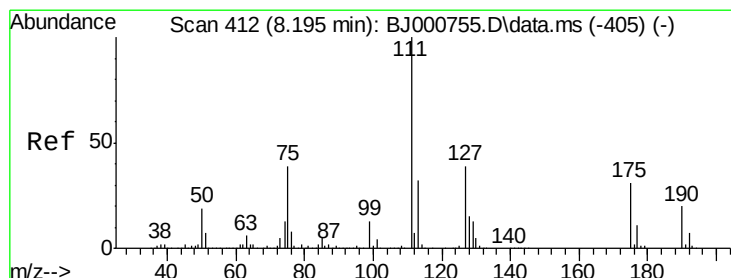
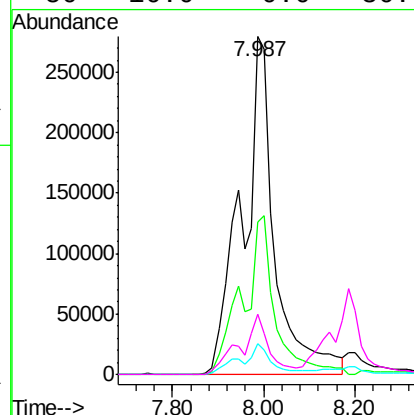
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.49 ug/mL
RT: 7.987 min Scan# 39
Delta R.T. -0.008 min
Lab File: BJ000761.D
Acq: 17 Apr 2012 16:53

Instrument :
BNA_J
ClientSampled :
PB62359BS

Tgt Ion	Ratio	Lower	Upper
159	100		
174	46.9	27.3	67.3
108	8.6	0.0	28.2
50	16.0	0.0	36.4

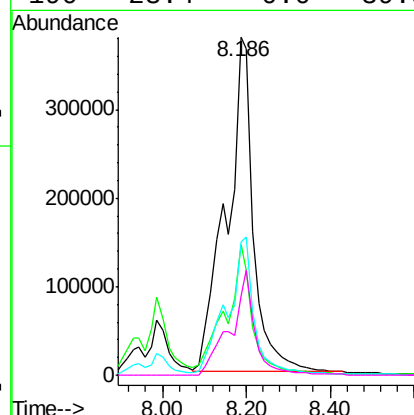
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 10.17 ug/mL
RT: 8.186 min Scan# 411
Delta R.T. -0.009 min
Lab File: BJ000761.D
Acq: 17 Apr 2012 16:53

Tgt Ion	Ratio	Lower	Upper
111	100		
75	38.5	20.1	60.1
127	39.3	18.5	58.5
190	23.4	0.0	39.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
 Data File : BJ000761.D
 Acq On : 17 Apr 2012 16:53
 Operator : HLM
 Sample : PB62359BS
 Misc : WATER BNA_J HLM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62359BS

Manual Integrations
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 4/21/2012 4:18:13 AM

Quant Time: Apr 21 04:56:28 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ041712.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Tue Apr 17 17:06:28 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.728	152	276612	2.00	ug/mL	0.00
6) Naphthalene-d8	6.023	136	1149948	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.076	99	172982	0.42	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	84.00%	
12) 2-Bromothioanisole	7.332	204	304606	3.82	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	76.40%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.792	94	353709m	3.36	ug/mL	
3) DMMP	3.589	79	204440	2.97	ug/mL#	75
4) DIMP	4.998	97	492944	2.05	ug/mL	93
5) 1,4-Oxathiane	3.746	46	434568	4.51	ug/mL	99
7) 1,4-Dithiane	5.169	46	359064	4.58	ug/mL	91
8) Thiodiglycol	5.923	61	2861030	38.31	ug/mL	98
9) Benzothiazole	6.322	135	3182651	10.11	ug/mL	98
11) p-Chlorophenylmethyisu...	6.564	158	1943044	9.09	ug/mL	88
13) p-Chlorophenylmethyisu...	7.987	159	1391414	12.49	ug/mL	99
14) p-Chlorophenylmethyisu...	8.186	111	1694261	10.17	ug/mL	97

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