

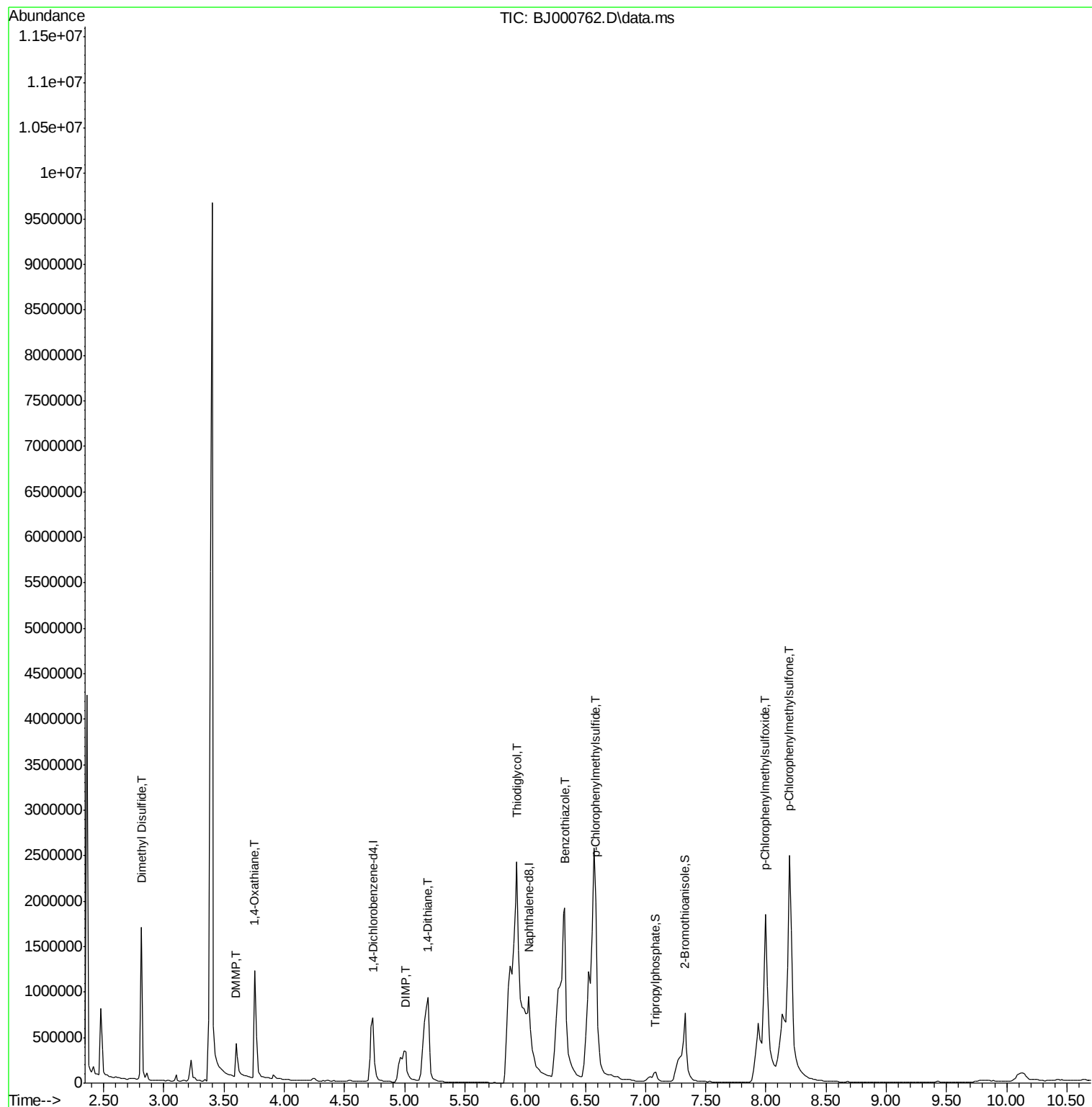
Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
Data File : BJ000762.D
Acq On : 17 Apr 2012 17:11
Operator : HLM
Sample : PB62359BSD
Misc : WATER BNA_J HLM
ALS Vial : 11 Sample Multiplier: 1

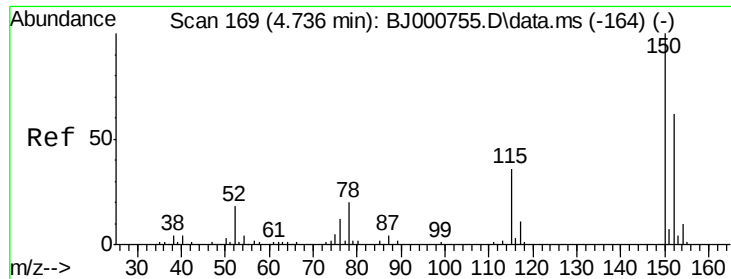
Instrument :
BNA_J
ClientSampleId :
PB62359BSD

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:14 AM

Quant Time: Apr 21 04:56:35 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: 4.737 min Scan# 16

Delta R.T. 0.000 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

Instrument :

BNA_J

ClientSampleId :

PB62359BSD

Tgt Ion:152 Resp: 319500

Ion Ratio Lower Upper

152 100

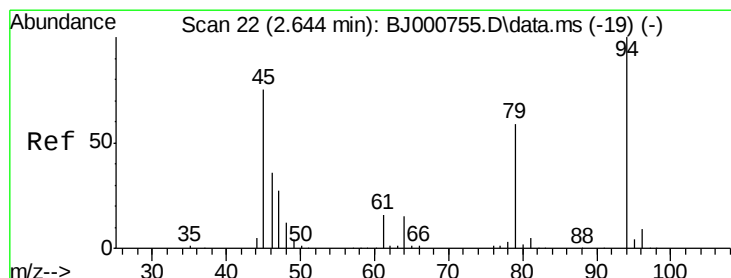
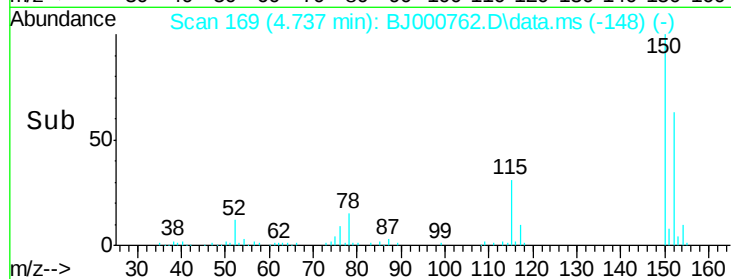
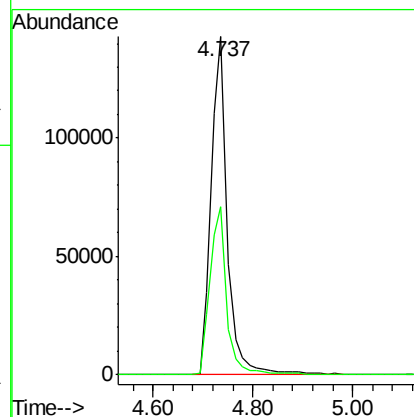
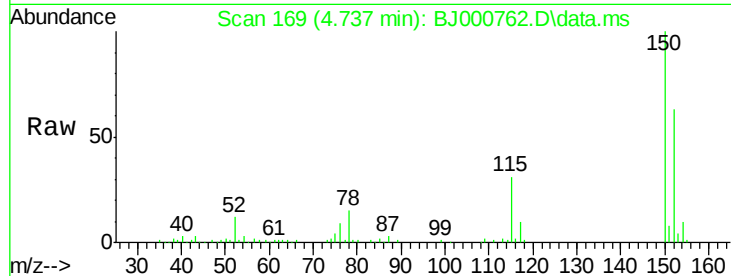
115 49.5 38.0 78.0

Manual Integrations

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#2

Dimethyl Disulfide

Concen: 4.24 ug/mL m

RT: 2.815 min Scan# 34

Delta R.T. 0.171 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

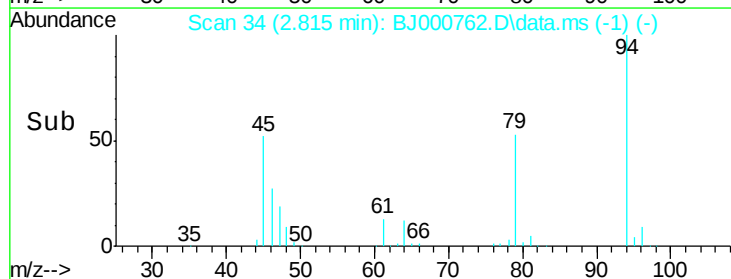
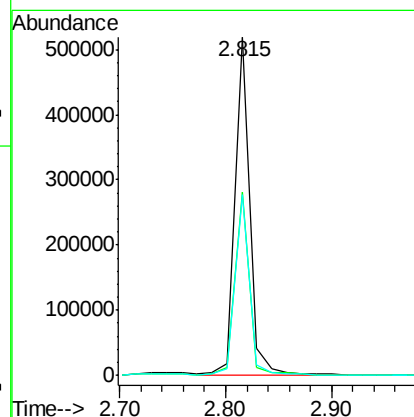
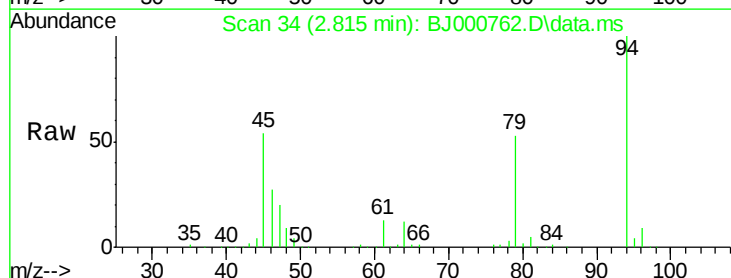
Tgt Ion: 94 Resp: 515578

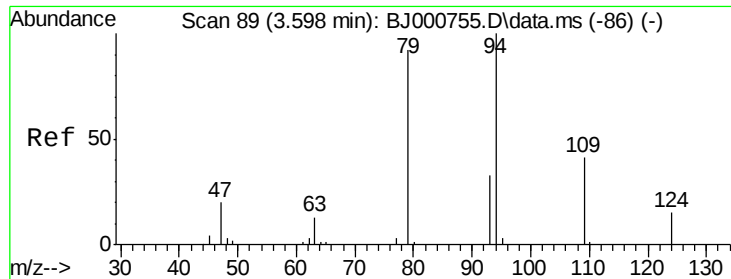
Ion Ratio Lower Upper

94 100

45 54.2 54.7 94.7#

79 53.3 38.8 78.8





#3

DMMP

Concen: 2.66 ug/mL

RT: 3.598 min Scan# 89

Delta R.T. 0.001 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

Instrument :

BNA_J

ClientSampled :

PB62359BSD

Tgt Ion: 79 Resp: 211349
Ion Ratio Lower Upper

79 100

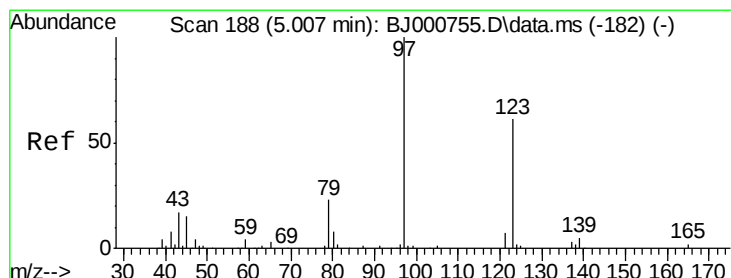
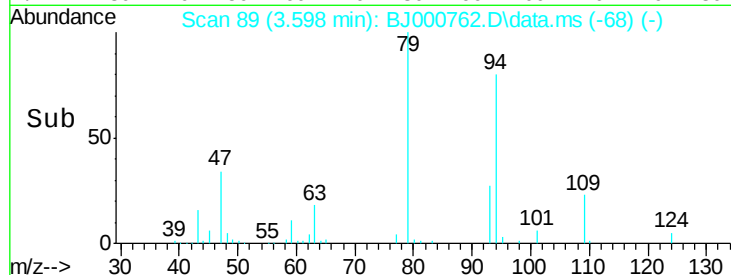
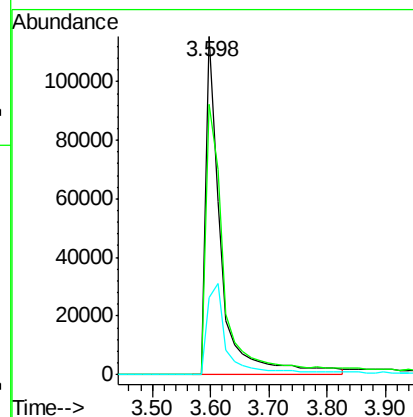
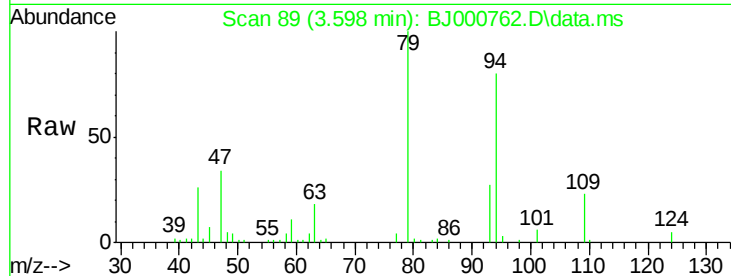
94 80.0 88.2 128.2#

109 22.8 24.6 64.6#

Manual Integrations
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#4

DIMP

Concen: 1.95 ug/mL

RT: 5.007 min Scan# 188

Delta R.T. 0.001 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

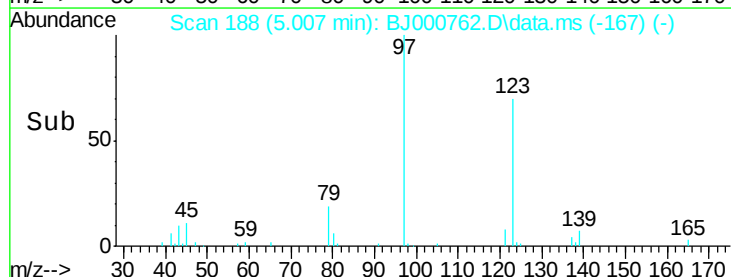
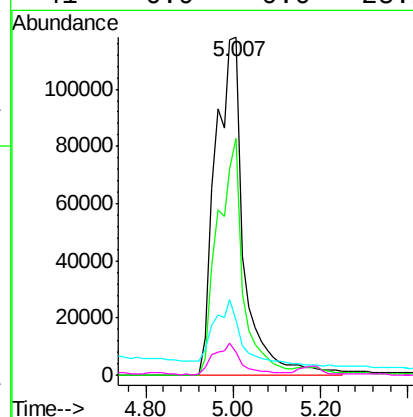
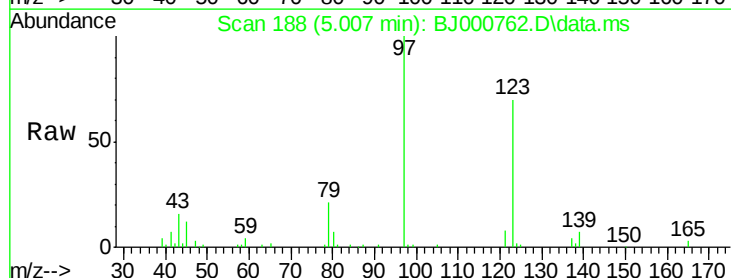
Tgt Ion: 97 Resp: 539581
Ion Ratio Lower Upper

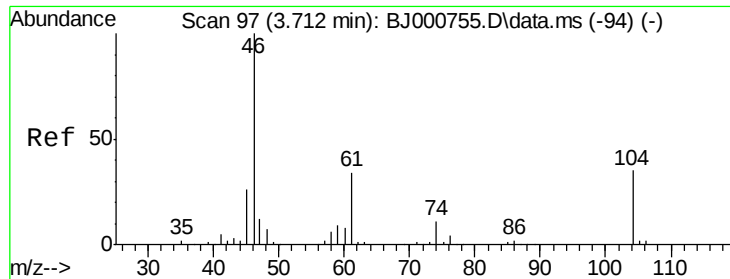
97 100

123 70.3 41.1 81.1

43 16.5 0.0 36.9

41 6.9 0.0 28.2





#5

1,4-Oxathiane

Concen: 4.31 ug/mL

RT: 3.755 min Scan# 10

Delta R.T. 0.043 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

Instrument :

BNA_J

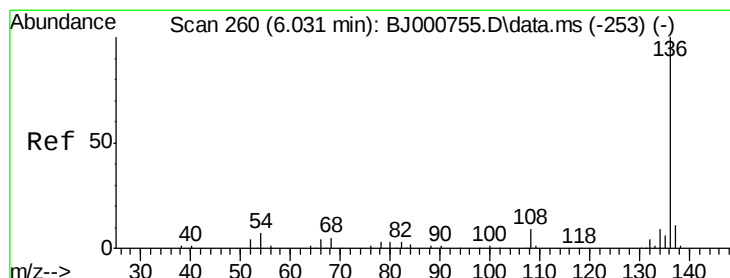
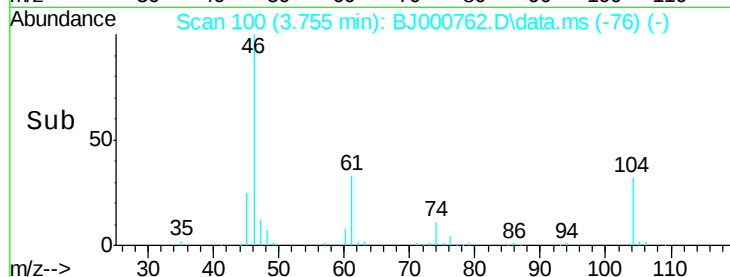
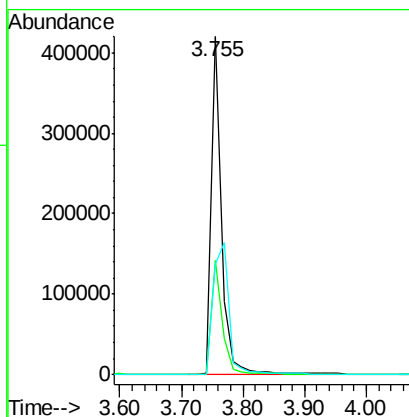
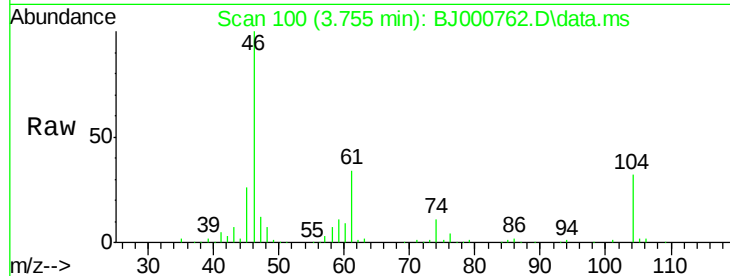
ClientSampleId :

PB62359BSD

Tgt Ion:	46	Resp:	479664
Ion Ratio	Lower	Upper	
46	100		
61	33.7	13.9	53.9
104	32.5	14.6	54.6

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

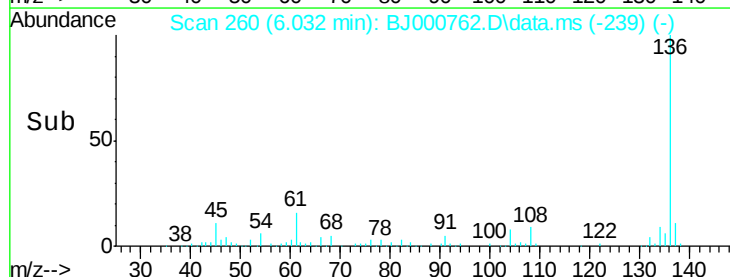
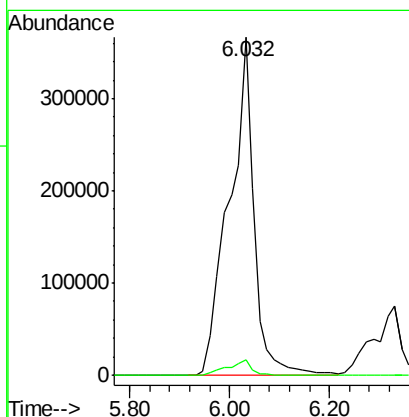
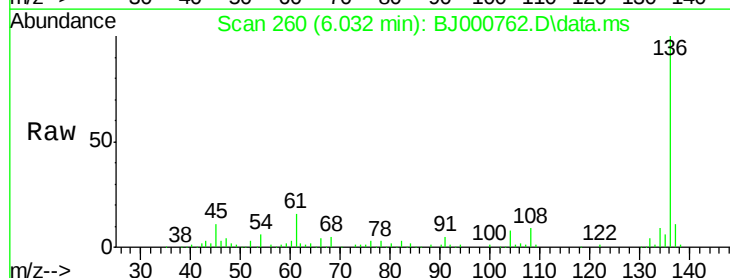
RT: 6.032 min Scan# 260

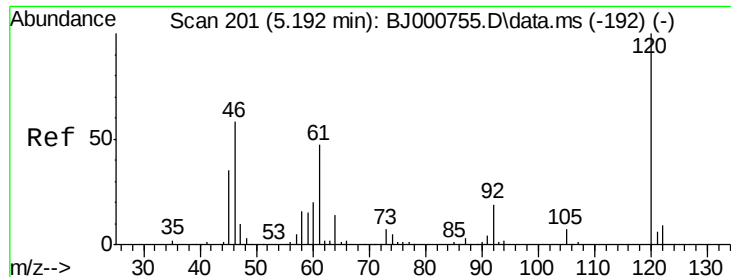
Delta R.T. 0.000 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

Tgt Ion:	136	Resp:	1259868
Ion Ratio	Lower	Upper	
136	100		
68	4.8	0.0	25.1





#7

1,4-Dithiane

Concen: 4.74 ug/mL

RT: 5.192 min Scan# 201

Delta R.T. 0.000 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

Instrument :

BNA_J

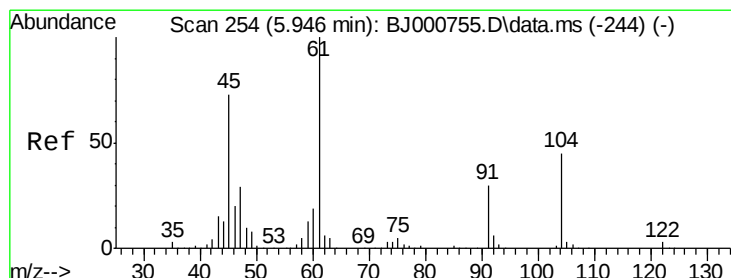
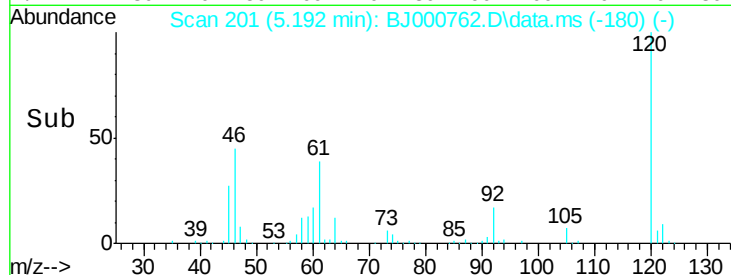
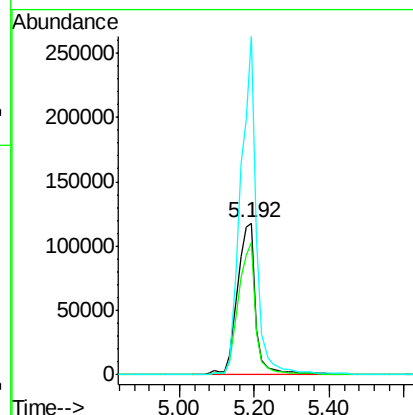
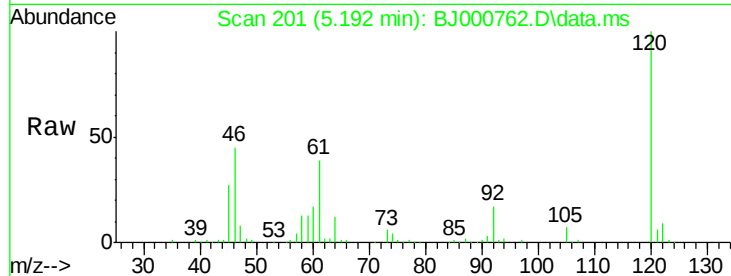
ClientSampleId :

PB62359BSD

Tgt Ion	Ratio	Resp	Lower	Upper
46	100			
61	87.4	61.1	101.1	
120	223.4	152.3	192.3	

Manual Integrations
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#8

Thiodiglycol

Concen: 37.35 ug/mL

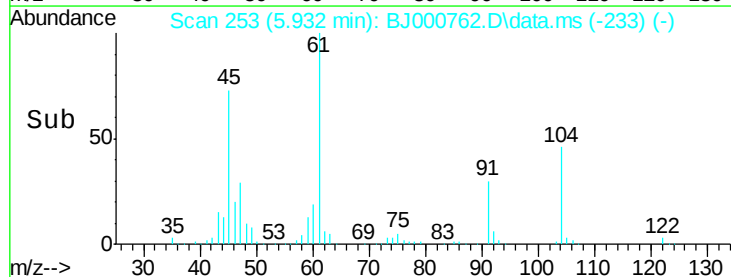
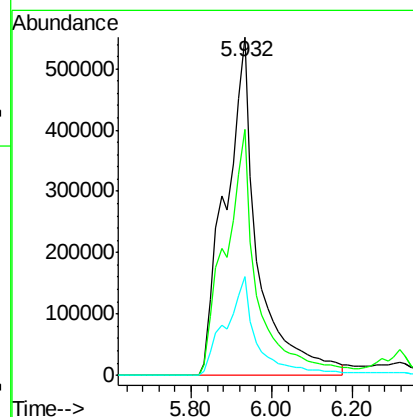
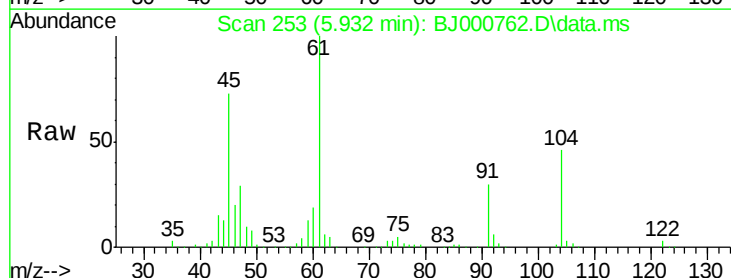
RT: 5.932 min Scan# 253

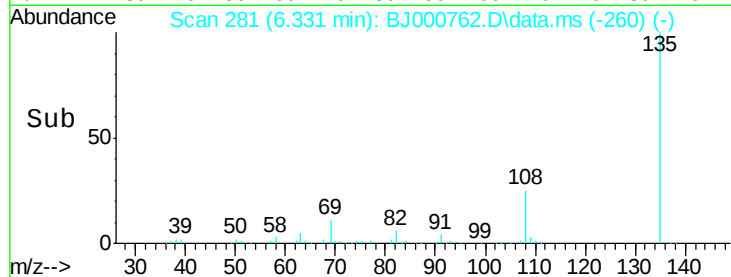
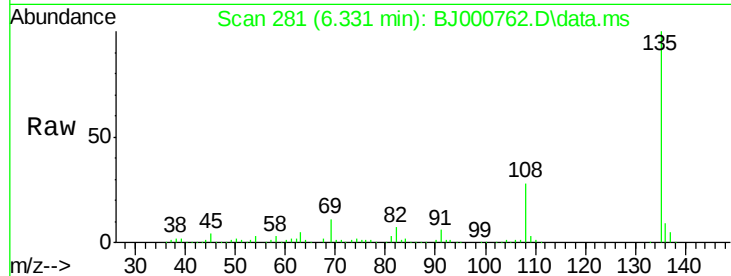
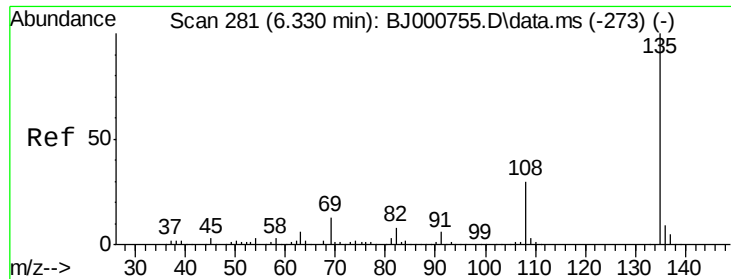
Delta R.T. -0.014 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
61	100			
45	72.6	53.3	93.3	
47	29.1	9.3	49.3	





#9

Benzothiazole

Concen: 9.82 ug/mL

RT: 6.331 min Scan# 281

Delta R.T. 0.000 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

Tgt Ion:	135	Resp:	3386941
Ion Ratio	Lower	Upper	
135	100		
108	27.9	9.9	49.9
69	11.1	0.0	32.5

Instrument :

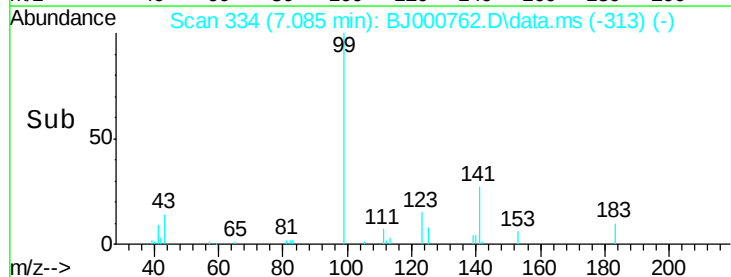
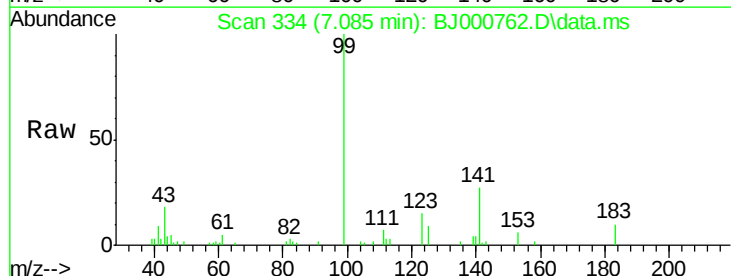
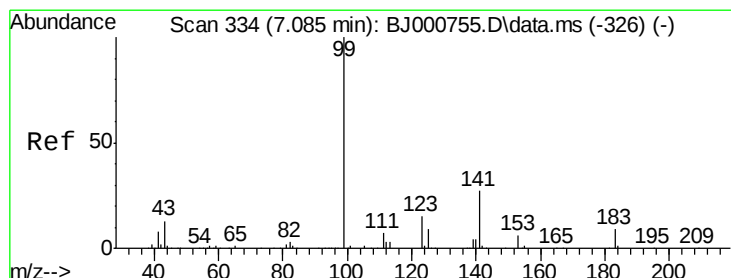
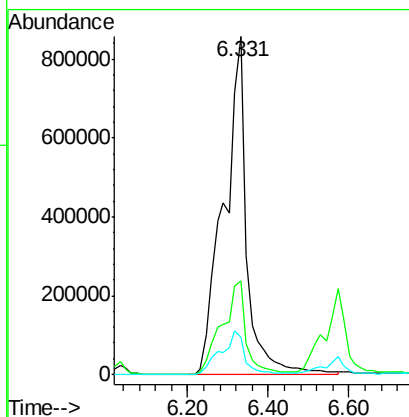
BNA_J

ClientSampleId :

PB62359BSD

Manual Integrations
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AHPatel
4/21/2012 4:18:14 AM



#10

Tripropylphosphate

Concen: 0.38 ug/mL

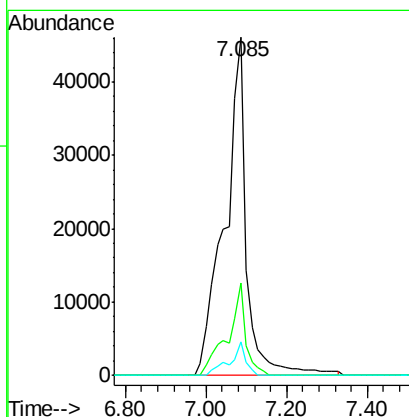
RT: 7.085 min Scan# 334

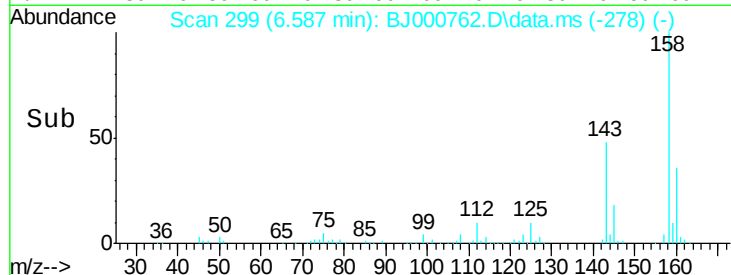
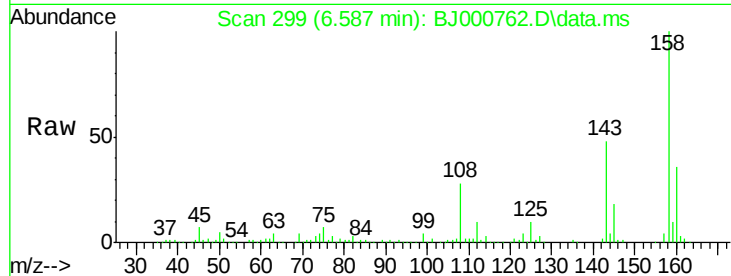
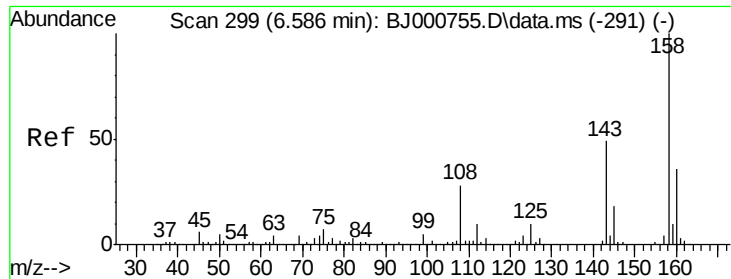
Delta R.T. 0.000 min

Lab File: BJ000762.D

Acq: 17 Apr 2012 17:11

Tgt Ion:	99	Resp:	171492
Ion Ratio	Lower	Upper	
99	100		
141	22.4	19.1	28.7
183	7.1	6.2	9.2





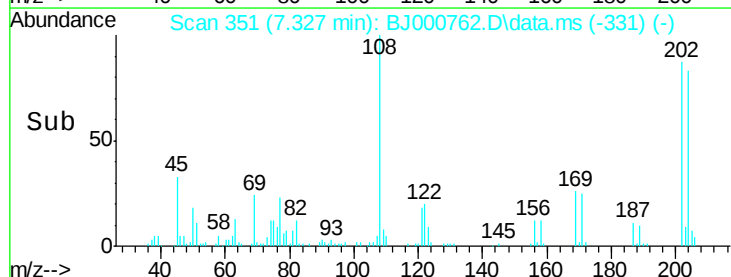
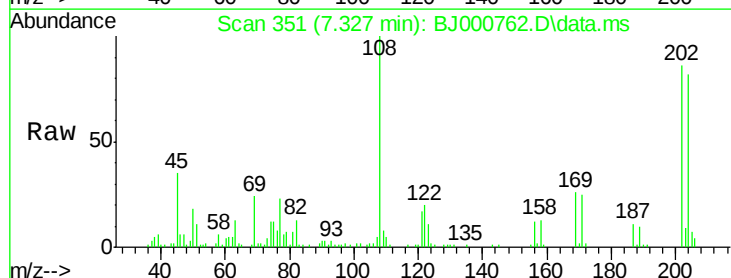
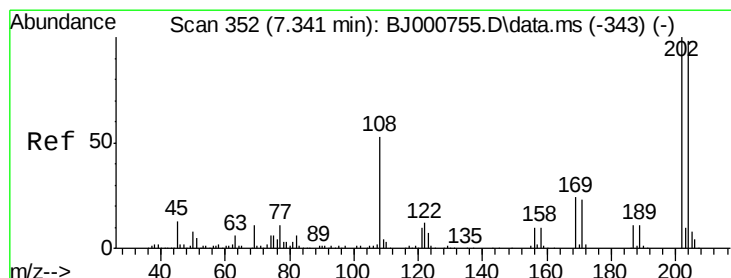
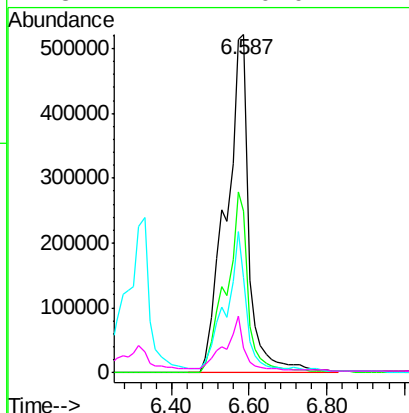
#11
p-Chlorophenylmethylsulfide
Concen: 9.21 ug/mL
RT: 6.587 min Scan# 291
Delta R.T. 0.000 min
Lab File: BJ000762.D
Acq: 17 Apr 2012 17:11

Instrument :
BNA_J
ClientSampleId :
PB62359BSD

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	2156545		
143	47.9		28.9	68.9
108	28.2		8.9	48.9
45	7.4		0.0	27.0

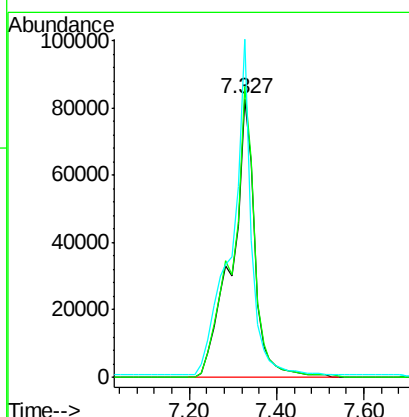
Manual Integrations
APPROVED

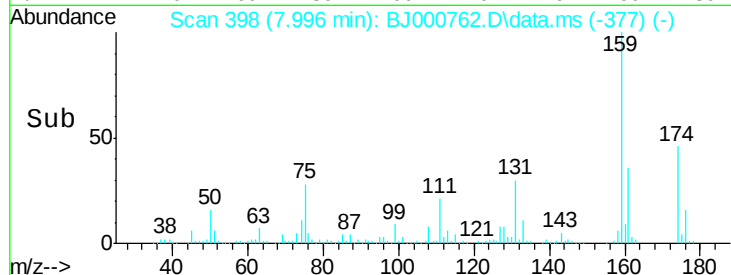
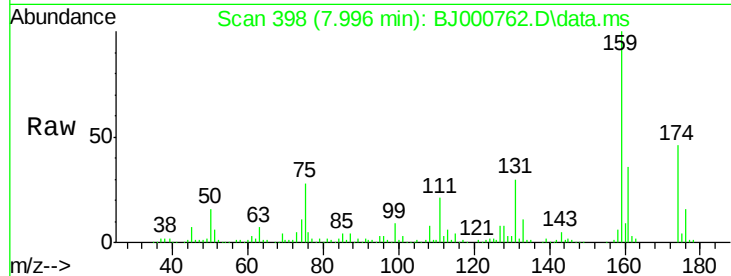
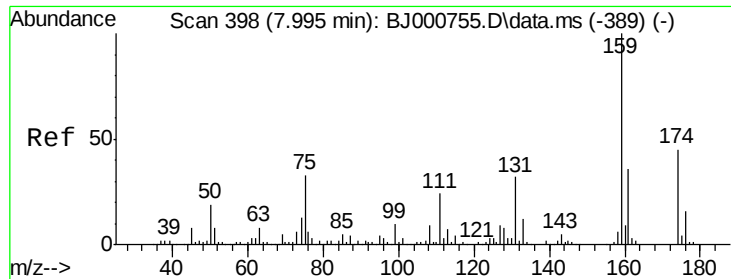
AHPatel
4/21/2012 4:18:14 AM



#12
2-Bromothioanisole
Concen: 3.45 ug/mL
RT: 7.327 min Scan# 351
Delta R.T. -0.014 min
Lab File: BJ000762.D
Acq: 17 Apr 2012 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	301392		
202	104.5		82.0	122.0
108	121.4		34.9	74.9#





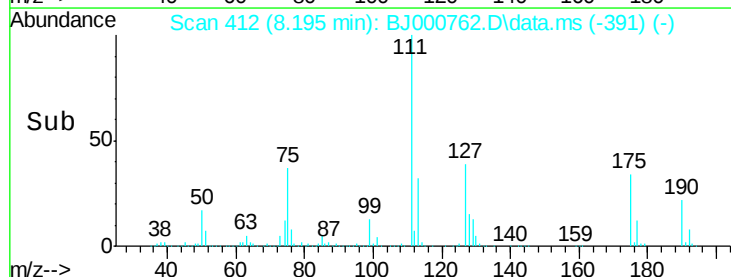
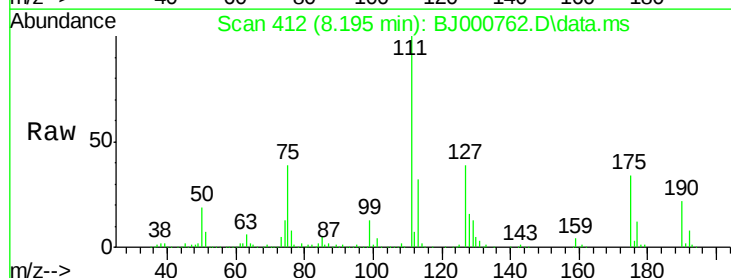
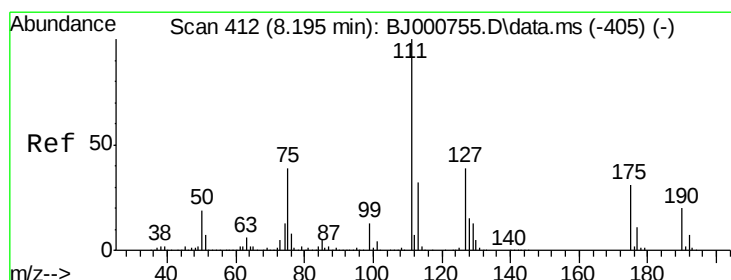
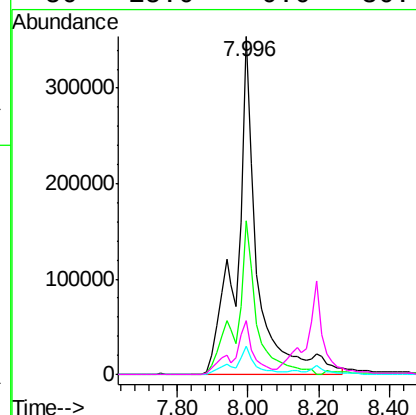
#13
p-Chlorophenylmethylsulfoxide
Concen: 11.72 ug/mL m
RT: 7.996 min Scan# 39
Delta R.T. 0.001 min
Lab File: BJ000762.D
Acq: 17 Apr 2012 17:11

Instrument :
BNA_J
ClientSampleId :
PB62359BSD

Tgt Ion	Ratio	Lower	Upper
159	100		
174	32.2	27.3	67.3
108	4.8	0.0	28.2
50	15.0	0.0	36.4

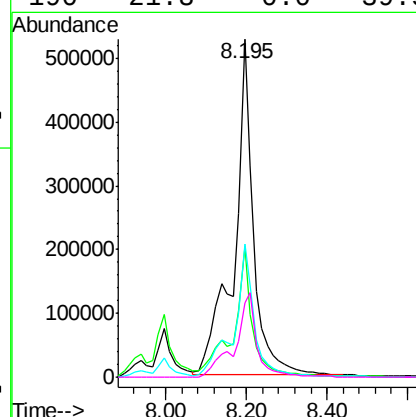
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 9.59 ug/mL
RT: 8.195 min Scan# 412
Delta R.T. 0.000 min
Lab File: BJ000762.D
Acq: 17 Apr 2012 17:11

Tgt Ion	Ratio	Lower	Upper
111	100		
75	38.6	20.1	60.1
127	39.3	18.5	58.5
190	21.8	0.0	39.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
 Data File : BJ000762.D
 Acq On : 17 Apr 2012 17:11
 Operator : HLM
 Sample : PB62359BSD
 Misc : WATER BNA_J HLM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62359BSD

Manual Integrations
 APPROVED

AHPatel
 4/21/2012 4:18:14 AM

Quant Time: Apr 21 04:56:35 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	4.737	152	319500	2.00	ug/mL	0.00
6) Naphthalene-d8	6.032	136	1259868	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.085	99	171492	0.38	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	76.00%	
12) 2-Bromothioanisole	7.327	204	301392	3.45	ug/mL	-0.01
Spiked Amount 5.000	Range 70 - 130		Recovery	=	69.00%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.815	94	515578m	4.24	ug/mL	
3) DMMP	3.598	79	211349	2.66	ug/mL#	71
4) DIMP	5.007	97	539581	1.95	ug/mL	91
5) 1,4-Oxathiane	3.755	46	479664	4.31	ug/mL	98
7) 1,4-Dithiane	5.192	46	407615	4.74	ug/mL#	73
8) Thiodiglycol	5.932	61	3052509	37.35	ug/mL	99
9) Benzothiazole	6.331	135	3386941	9.82	ug/mL	96
11) p-Chlorophenylmethyisu...	6.587	158	2156545	9.21	ug/mL	99
13) p-Chlorophenylmethyisu...	7.996	159	1430661m	11.72	ug/mL	
14) p-Chlorophenylmethyisu...	8.195	111	1750841	9.59	ug/mL	97

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