

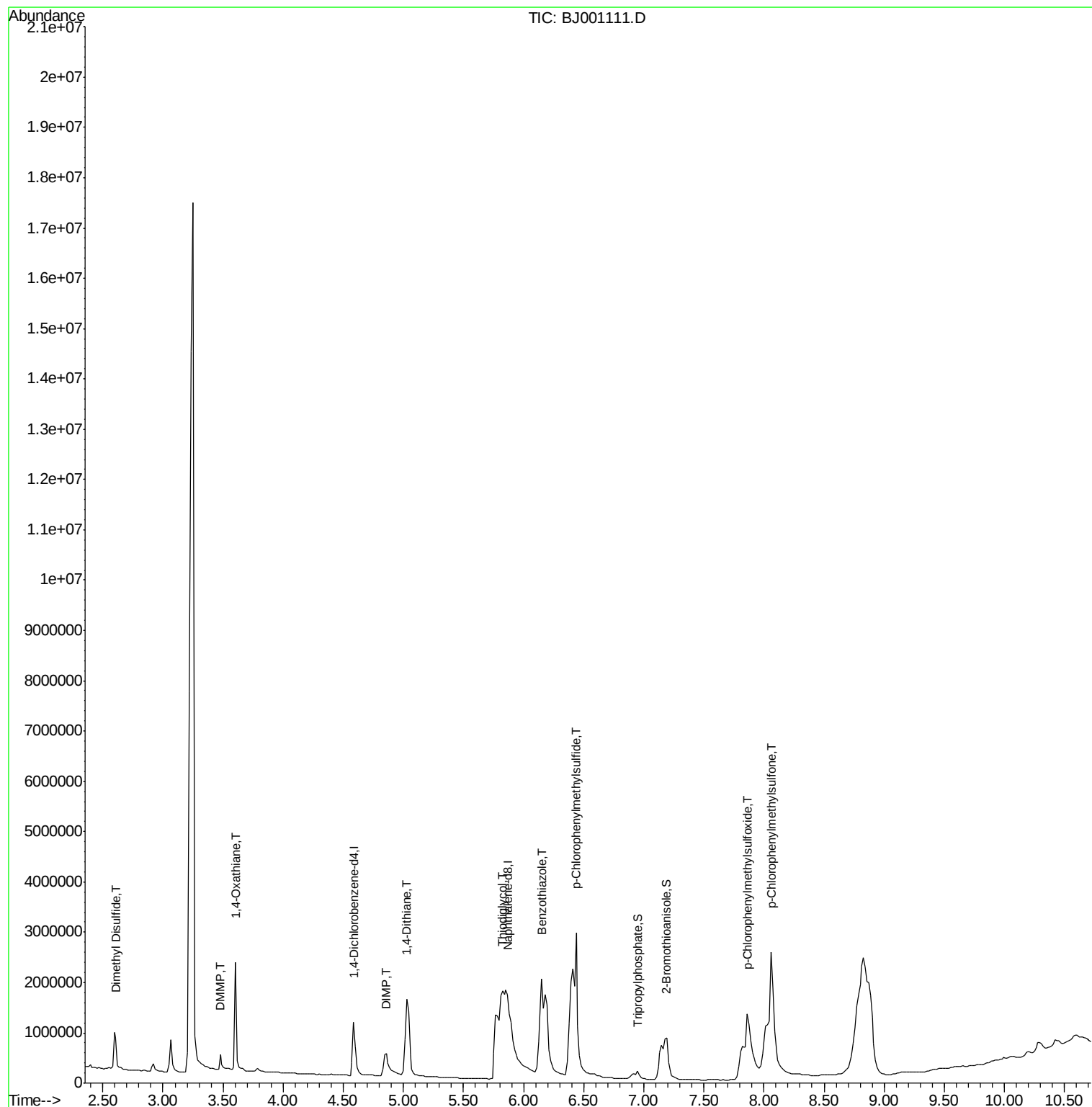
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001111.D
Acq On : 11 Sep 2012 19:46
Operator : HLM
Sample : PB65544BS
Misc : WATER BNA_J HLM
ALS Vial : 3 Sample Multiplier: 1

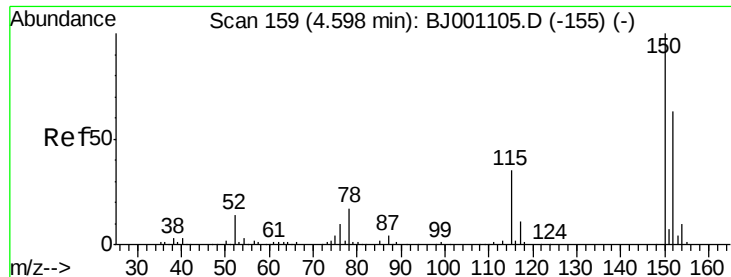
Instrument :
BNA_J
ClientSampleId :
SLCS01

Manual Integrations
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9/20/2012 5:29:31 AM

Quant Time: Sep 20 04:58:37 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ091112.M
Quant Title : CWA degradation products by GCMS
QLast Update : Tue Sep 11 15:37:34 2012
Response via : Initial Calibration





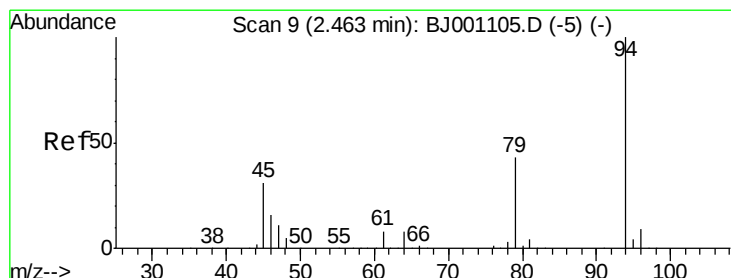
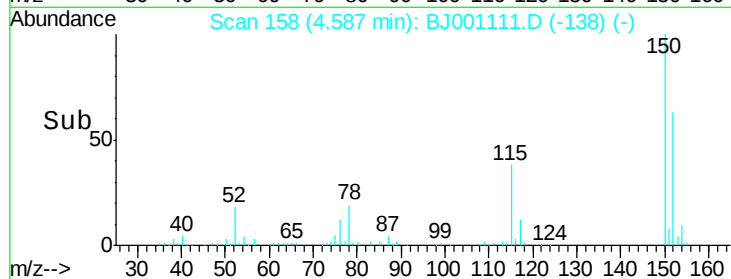
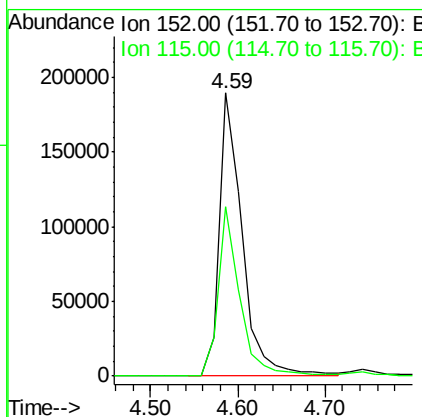
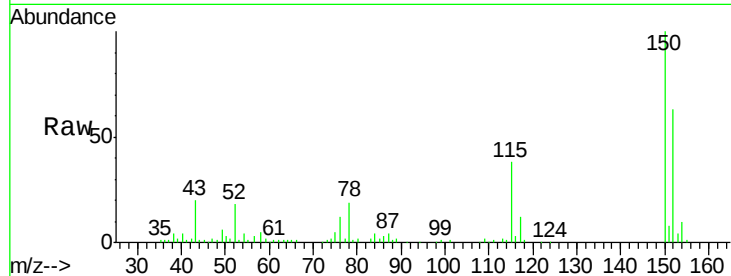
#1
 1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.59 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: BJ001111.D
 Acq: 11 Sep 2012 19:46

Instrument :
 BNA_J
 ClientSampleId :
 SLCS01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	347432		
115	59.7	35.3	75.3	

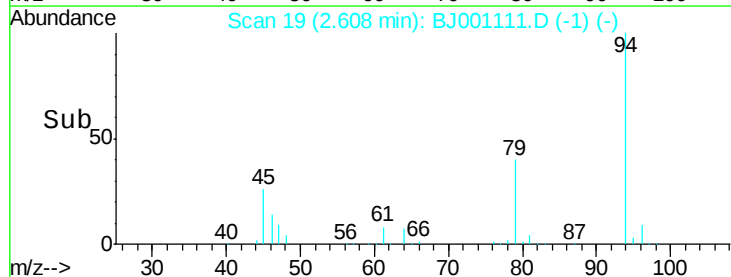
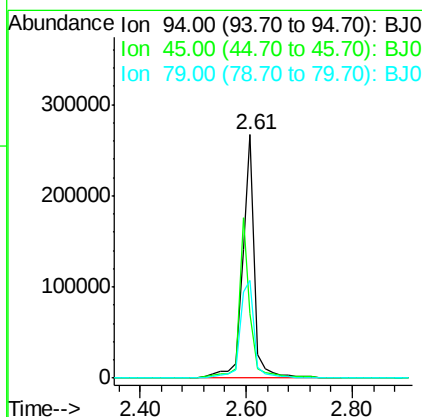
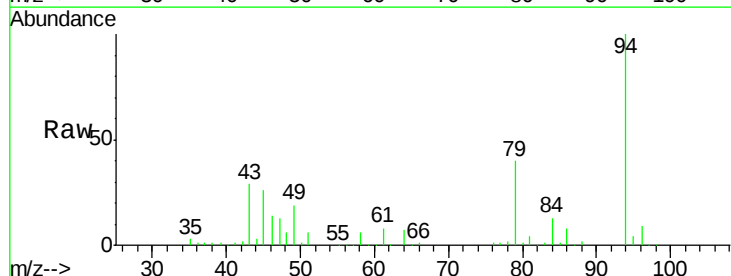
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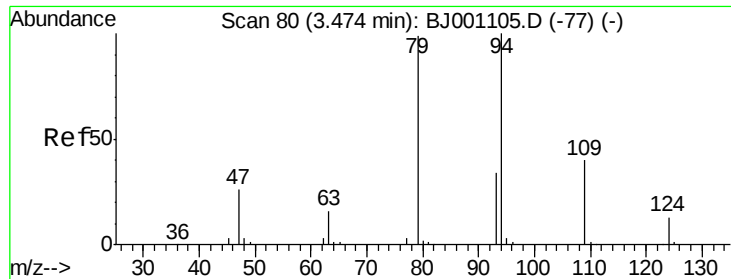
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#2
 Dimethyl Disulfide
 Concen: 2.81 ug/mL m
 RT: 2.61 min Scan# 19
 Delta R.T. 0.15 min
 Lab File: BJ001111.D
 Acq: 11 Sep 2012 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	429182		
45	26.3	12.7	52.7	
79	40.3	22.9	62.9	





#3

DMMP

Concen: 1.50 ug/mL

RT: 3.48 min Scan# 80

Delta R.T. 0.00 min

Lab File: BJ001111.D

Acq: 11 Sep 2012 19:46

Instrument :

BNA_J

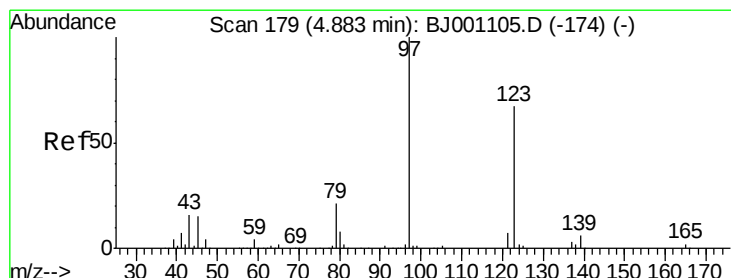
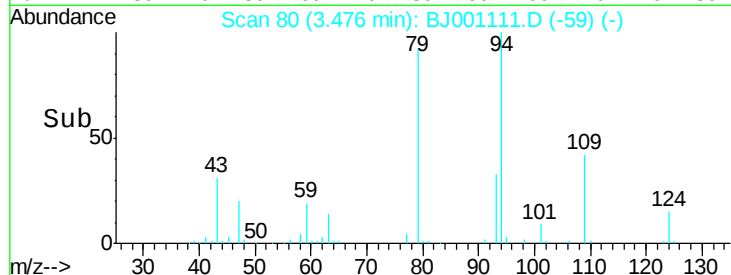
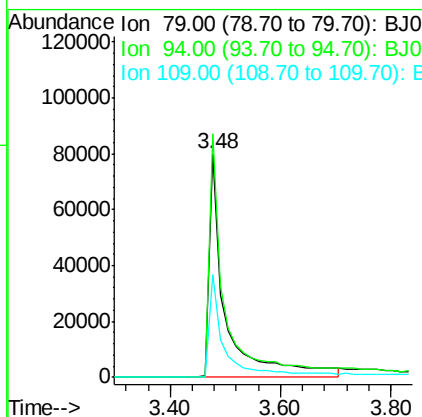
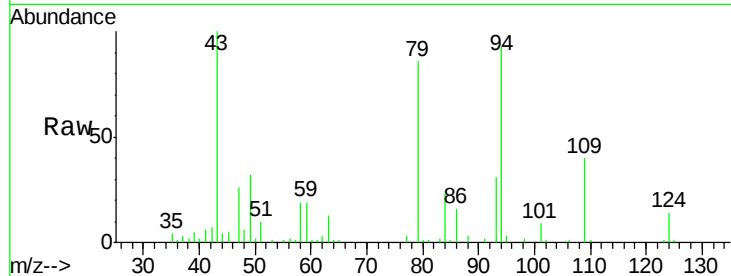
ClientSampled :

SLCS01

Tgt Ion:	79	Resp:	169468
Ion Ratio	Lower	Upper	
79	100		
94	109.0	80.9	120.9
109	46.1	20.3	60.3

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#4

DIMP

Concen: 1.69 ug/mL

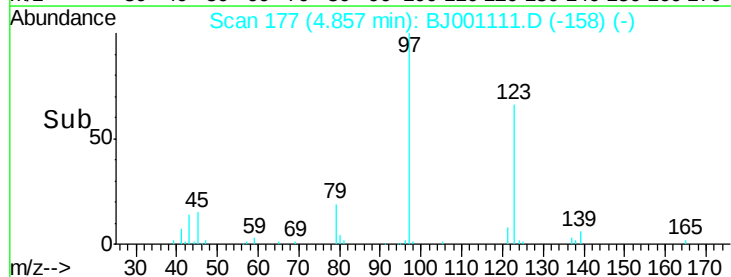
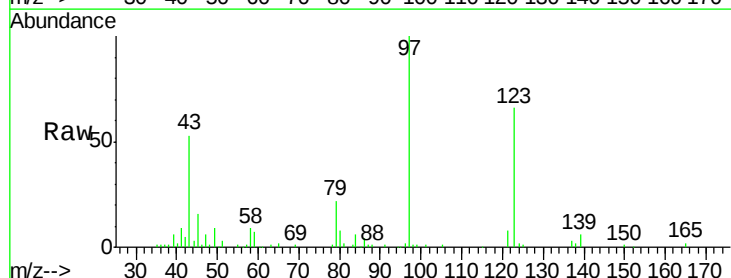
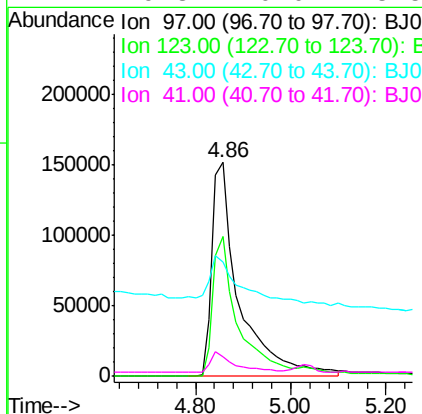
RT: 4.86 min Scan# 177

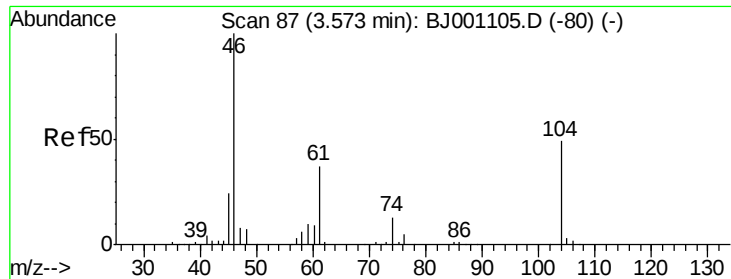
Delta R.T. -0.03 min

Lab File: BJ001111.D

Acq: 11 Sep 2012 19:46

Tgt Ion:	97	Resp:	598469
Ion Ratio	Lower	Upper	
97	100		
123	65.6	47.2	87.2
43	53.3	0.0	36.5#
41	9.3	0.0	28.5





#5

1,4-Oxathiane

Concen: 4.68 ug/mL

RT: 3.60 min Scan# 89

Delta R.T. 0.03 min

Lab File: BJ001111.D

Acq: 11 Sep 2012 19:46

Instrument :

BNA_J

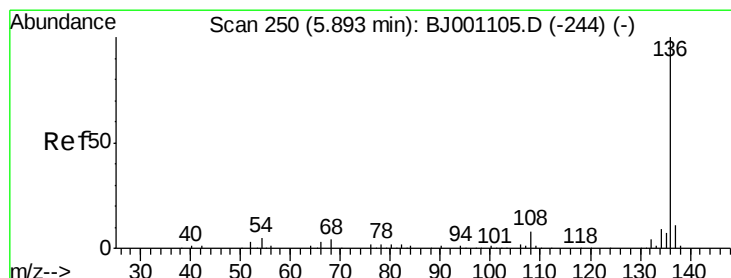
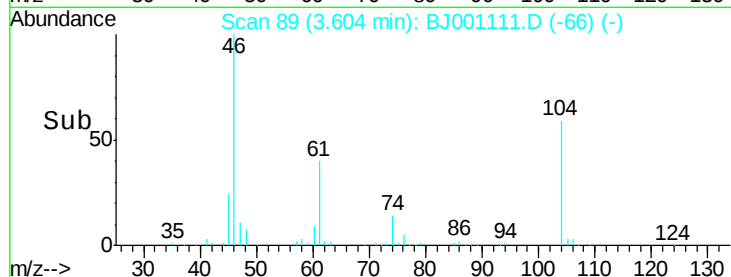
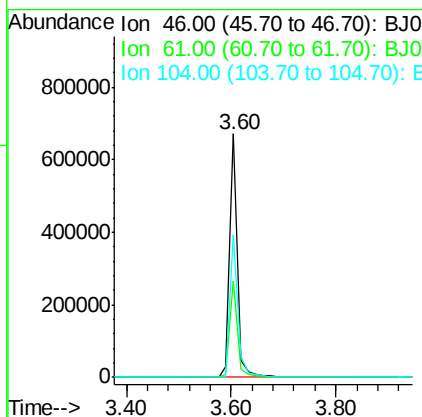
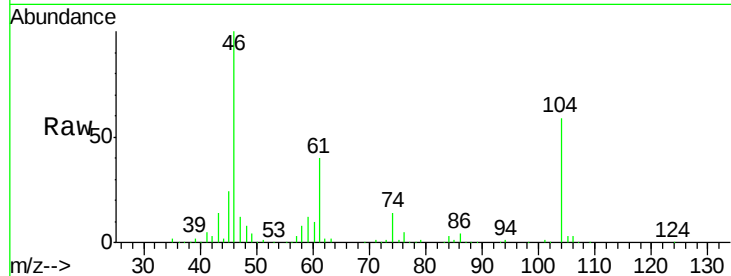
ClientSampleId :

SLCS01

Tgt Ion:	46	Resp:	683186
Ion Ratio	Lower	Upper	
46	100		
61	39.9	17.1	57.1
104	58.7	29.3	69.3

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#6

Naphthalene-d8

Concen: 2.00 ug/mL

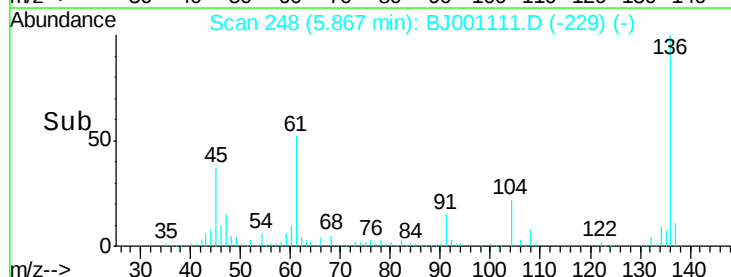
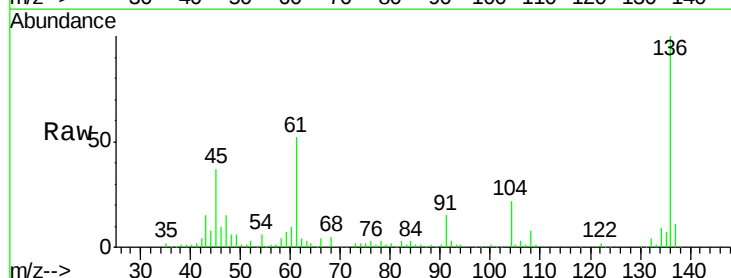
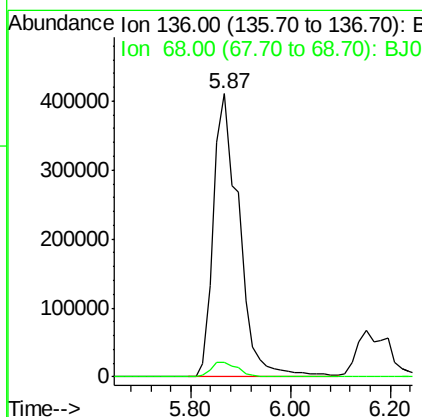
RT: 5.87 min Scan# 248

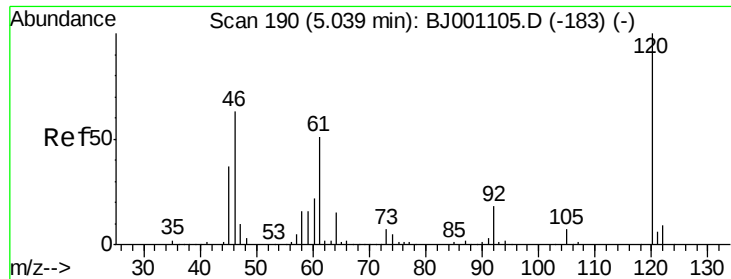
Delta R.T. -0.03 min

Lab File: BJ001111.D

Acq: 11 Sep 2012 19:46

Tgt Ion:	136	Resp:	1456143
Ion Ratio	Lower	Upper	
136	100		
68	5.2	0.0	24.4





#7

1,4-Dithiane

Concen: 4.50 ug/mL

RT: 5.03 min Scan# 189

Delta R.T. -0.01 min

Lab File: BJ001111.D

Acq: 11 Sep 2012 19:46

Instrument :

BNA_J

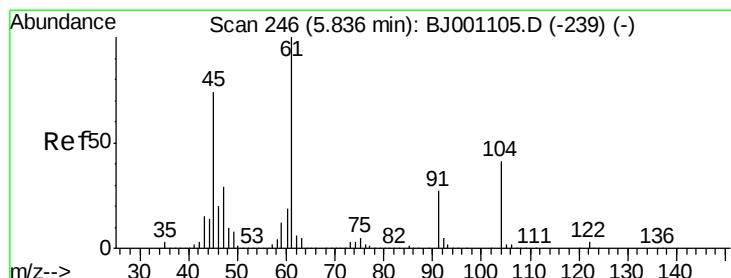
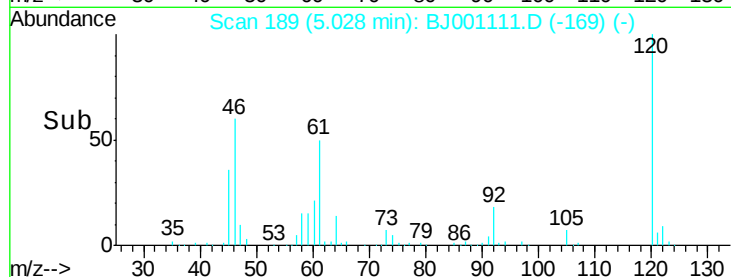
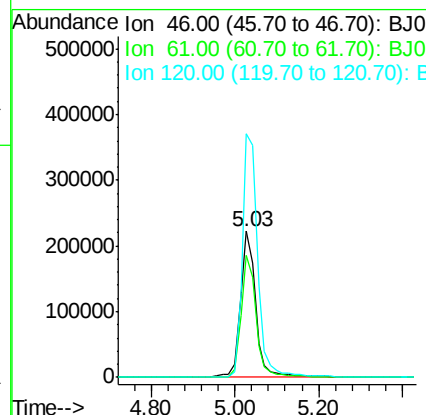
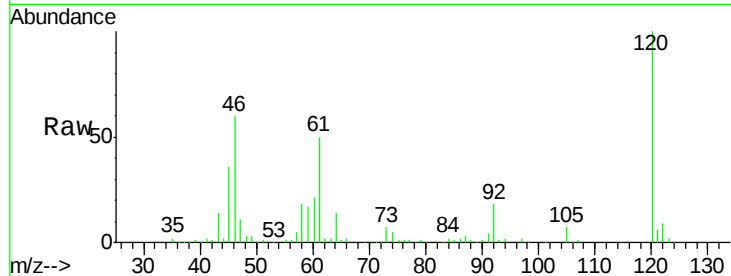
ClientSampled :

SLCS01

Tgt Ion:	46	Resp:	559466
Ion Ratio	Lower	Upper	
46	100		
61	83.3	60.0	100.0
120	166.6	138.1	178.1

Manual Integrations
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#8

Thiodiglycol

Concen: 34.00 ug/mL m

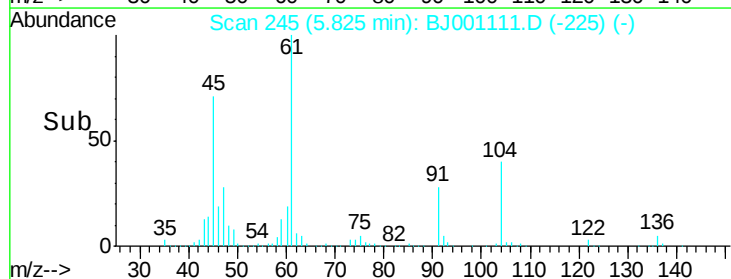
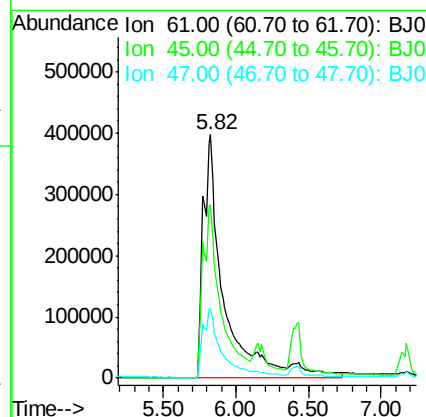
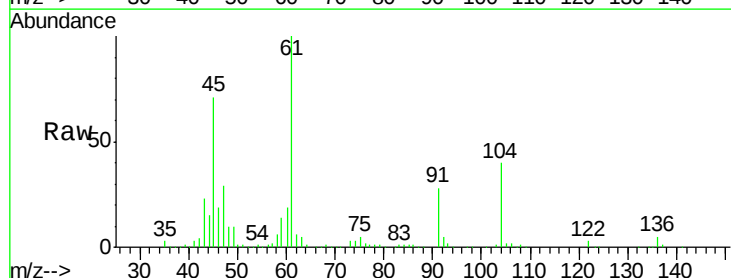
RT: 5.82 min Scan# 245

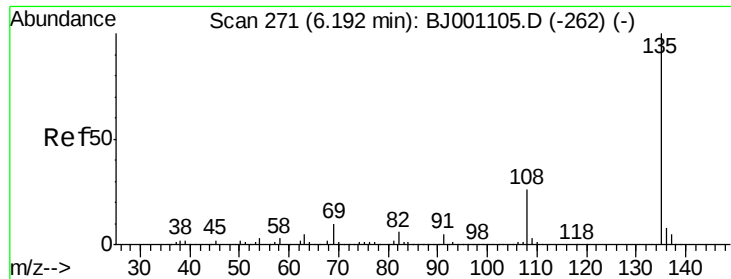
Delta R.T. -0.01 min

Lab File: BJ001111.D

Acq: 11 Sep 2012 19:46

Tgt Ion:	61	Resp:	4009953
Ion Ratio	Lower	Upper	
61	100		
45	71.0	54.0	94.0
47	28.5	9.6	49.6





#9

Benzothiazole

Concen: 8.74 ug/mL

RT: 6.15 min Scan# 268

Delta R.T. -0.04 min

Lab File: BJ001111.D

Acq: 11 Sep 2012 19:46

Instrument :

BNA_J

ClientSampleId :

SLCS01

Tgt Ion: 135 Resp: 3458081

Ion Ratio Lower Upper

135 100

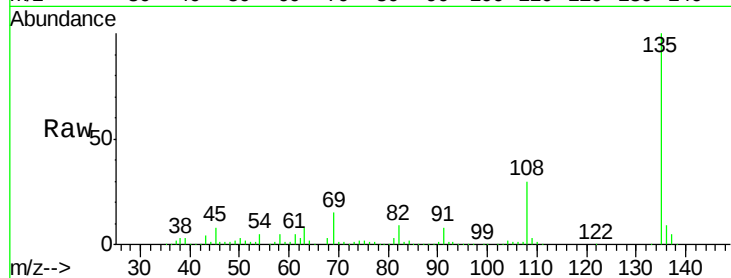
108 30.4 5.8 45.8

69 15.0 0.0 30.2

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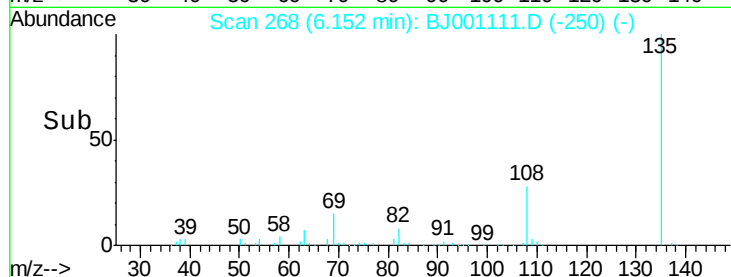


Abundance Ion 135.00 (134.70 to 135.70): E

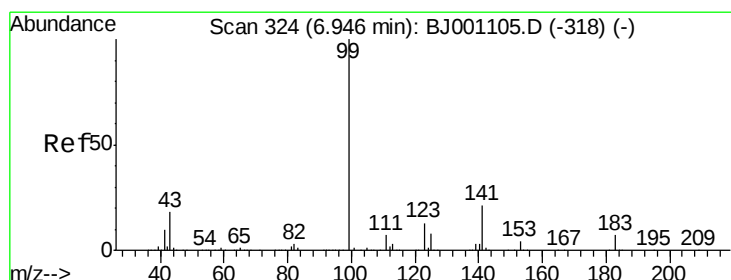
Ion 108.00 (107.70 to 108.70): E

Ion 69.00 (68.70 to 69.70): E

Time-->



Time-->



#10

Tripropylphosphate

Concen: 0.46 ug/mL

RT: 6.95 min Scan# 324

Delta R.T. 0.00 min

Lab File: BJ001111.D

Acq: 11 Sep 2012 19:46

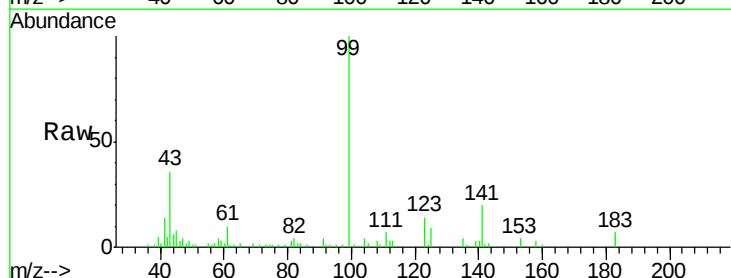
Tgt Ion: 99 Resp: 288511

Ion Ratio Lower Upper

99 100

141 19.7 16.0 24.0

183 6.3 5.6 8.4

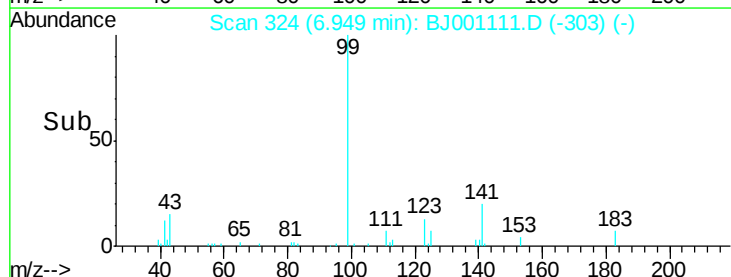


Abundance Ion 99.00 (98.70 to 99.70): BJ0

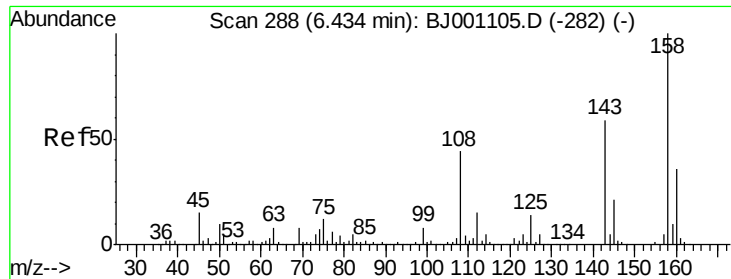
Ion 141.00 (140.70 to 141.70): E

Ion 183.00 (182.70 to 183.70): E

Time-->



Time-->



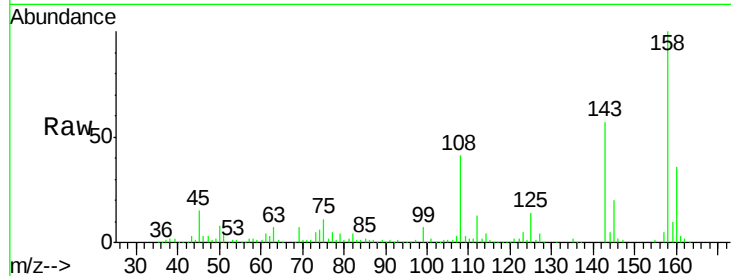
#11
p-Chlorophenylmethylsulfide
Concen: 9.13 ug/mL
RT: 6.44 min Scan# 288
Delta R.T. 0.00 min
Lab File: BJ001111.D
Acq: 11 Sep 2012 19:46

Instrument :
BNA_J
ClientSampled :
SLCS01

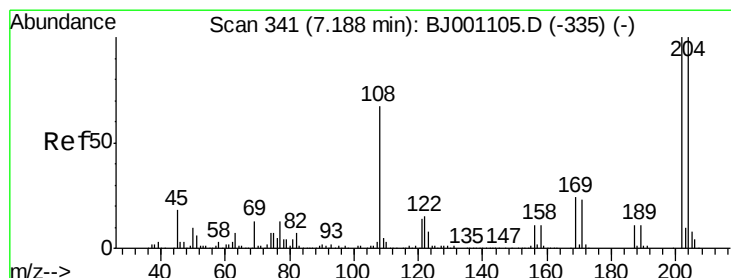
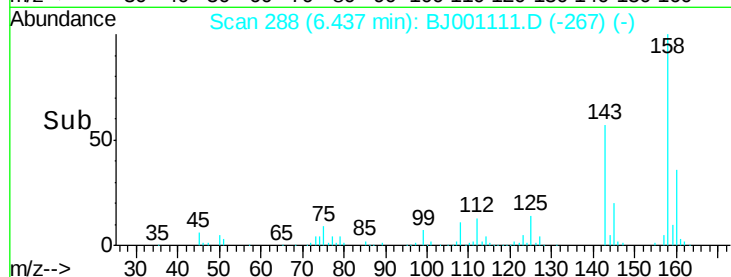
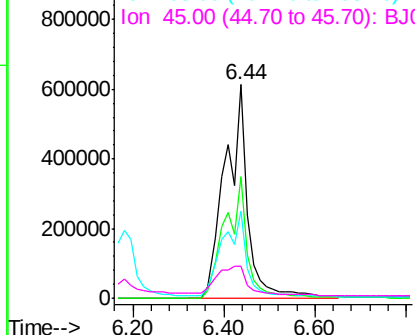
Tgt Ion:	158	Resp:	2134987
Ion Ratio	Lower	Upper	
158	100		
143	56.7	39.2	79.2
108	41.0	24.9	64.9
45	14.7	0.0	36.2

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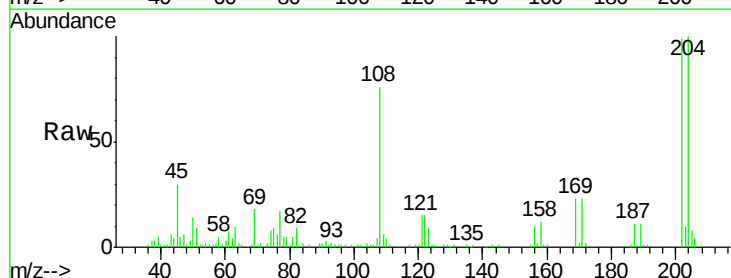


Abundance Ion 158.00 (157.70 to 158.70): E
Ion 143.00 (142.70 to 143.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 45.00 (44.70 to 45.70): BJ0

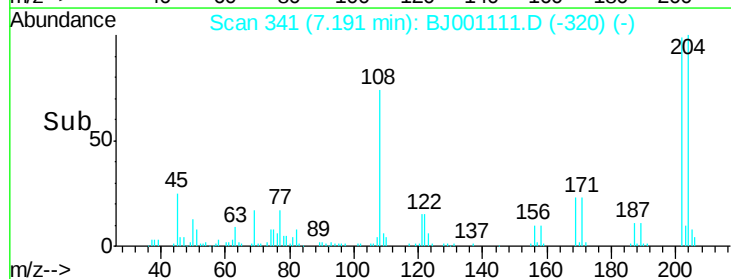
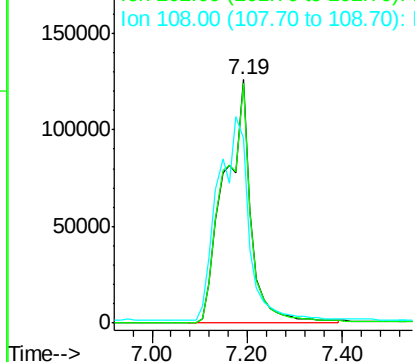


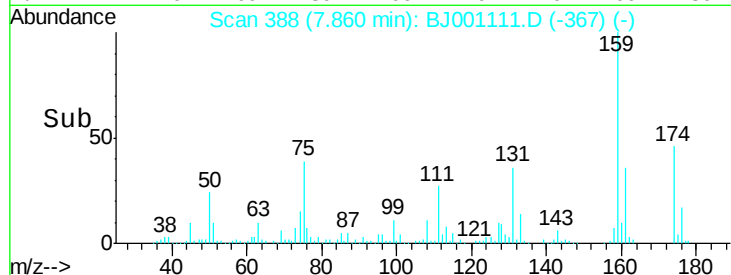
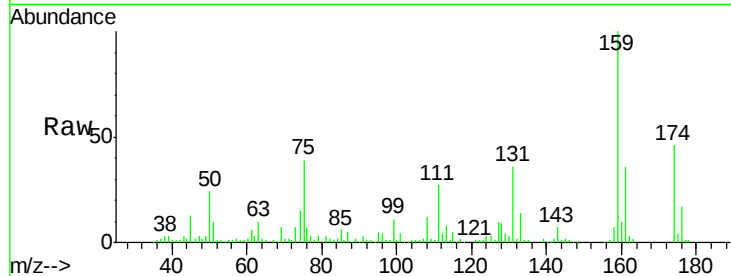
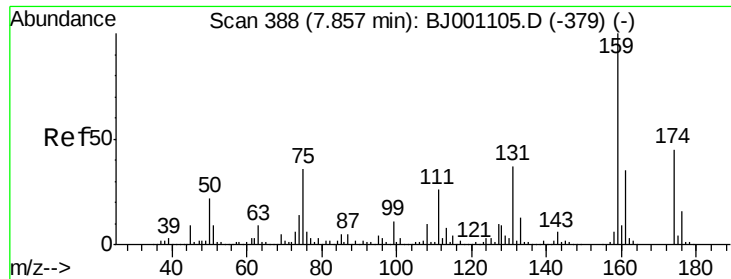
#12
2-Bromothioanisole
Concen: 4.29 ug/mL
RT: 7.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: BJ001111.D
Acq: 11 Sep 2012 19:46

Tgt Ion:	204	Resp:	482277
Ion Ratio	Lower	Upper	
204	100		
202	98.6	79.8	119.8
108	75.8	47.7	87.7



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 202.00 (201.70 to 202.70): E
Ion 108.00 (107.70 to 108.70): E





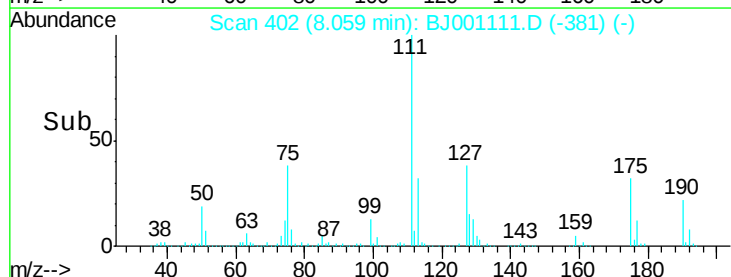
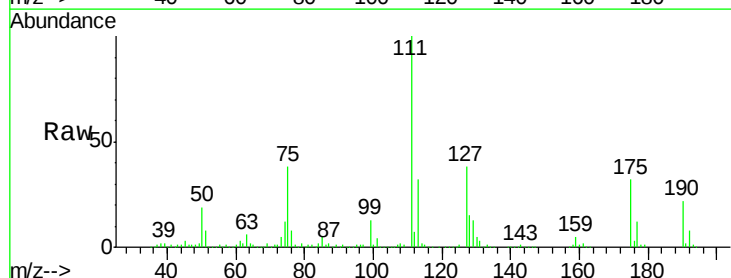
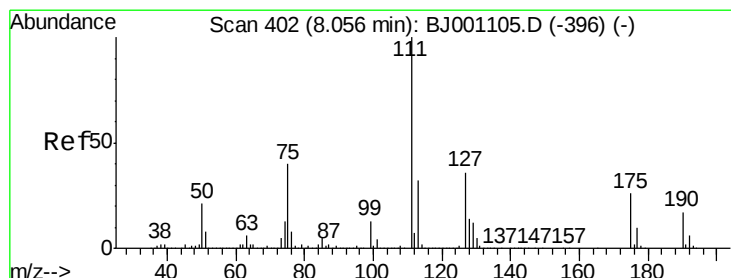
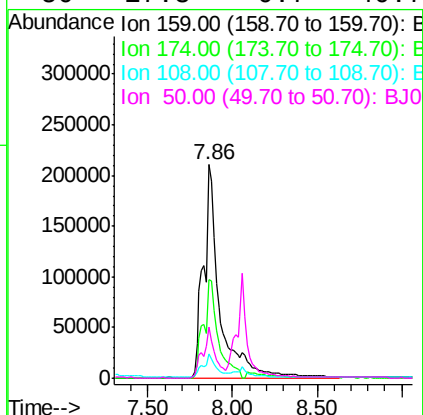
#13
p-Chlorophenylmethylsulfoxide
Concen: 9.51 ug/mL m
RT: 7.86 min Scan# 388
Delta R.T. 0.00 min
Lab File: BJ001111.D
Acq: 11 Sep 2012 19:46

Instrument :
BNA_J
ClientSampleId :
SLCS01

Tgt Ion:159 Resp: 1422803
Ion Ratio Lower Upper
159 100
174 41.0 27.2 67.2
108 8.0 0.0 29.4
50 17.8 0.7 40.7

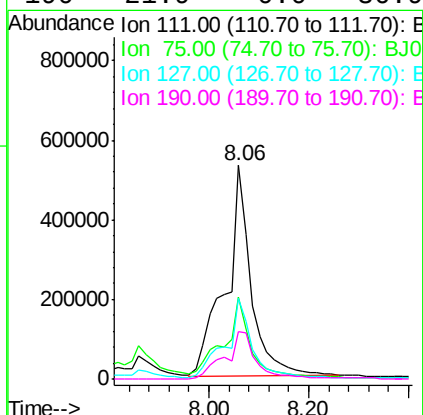
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#14
p-Chlorophenylmethylsulfone
Concen: 10.24 ug/mL
RT: 8.06 min Scan# 402
Delta R.T. 0.00 min
Lab File: BJ001111.D
Acq: 11 Sep 2012 19:46

Tgt Ion:111 Resp: 1904278
Ion Ratio Lower Upper
111 100
75 38.2 21.3 61.3
127 37.9 16.0 56.0
190 21.9 0.0 36.9



Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
 Data File : BJ001111.D
 Acq On : 11 Sep 2012 19:46
 Operator : HLM
 Sample : PB65544BS
 Misc : WATER BNA_J HLM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 SLCS01

Manual Integrations
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AHPatel
 9/20/2012 5:29:31 AM

Quant Time: Sep 20 04:58:37 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ091112.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Tue Sep 11 15:37:34 2012
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.59	152	347432	2.00	ug/mL	-0.01
6) Naphthalene-d8	5.87	136	1456143	2.00	ug/mL	-0.03

System Monitoring Compounds						
10) Tripropylphosphate	6.95	99	288511	0.46	ug/mL	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.00%
12) 2-Bromothioanisole	7.19	204	482277	4.29	ug/mL	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%

Target Compounds						Qvalue
2) Dimethyl Disulfide	2.61	94	429182m	2.81	ug/mL	
3) DMMP	3.48	79	169468	1.50	ug/mL	92
4) DIMP	4.86	97	598469	1.69	ug/mL#	83
5) 1,4-Oxathiane	3.60	46	683186	4.68	ug/mL	90
7) 1,4-Dithiane	5.03	46	559466	4.50	ug/mL	94
8) Thiodiglycol	5.82	61	4009953m	34.00	ug/mL	
9) Benzothiazole	6.15	135	3458081	8.74	ug/mL	90
11) p-Chlorophenylmethyldisulfid	6.44	158	2134987	9.13	ug/mL	96
13) p-Chlorophenylmethyldisulfox	7.86	159	1422803m	9.51	ug/mL	
14) p-Chlorophenylmethyldisulfon	8.06	111	1904278	10.24	ug/mL	94

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