

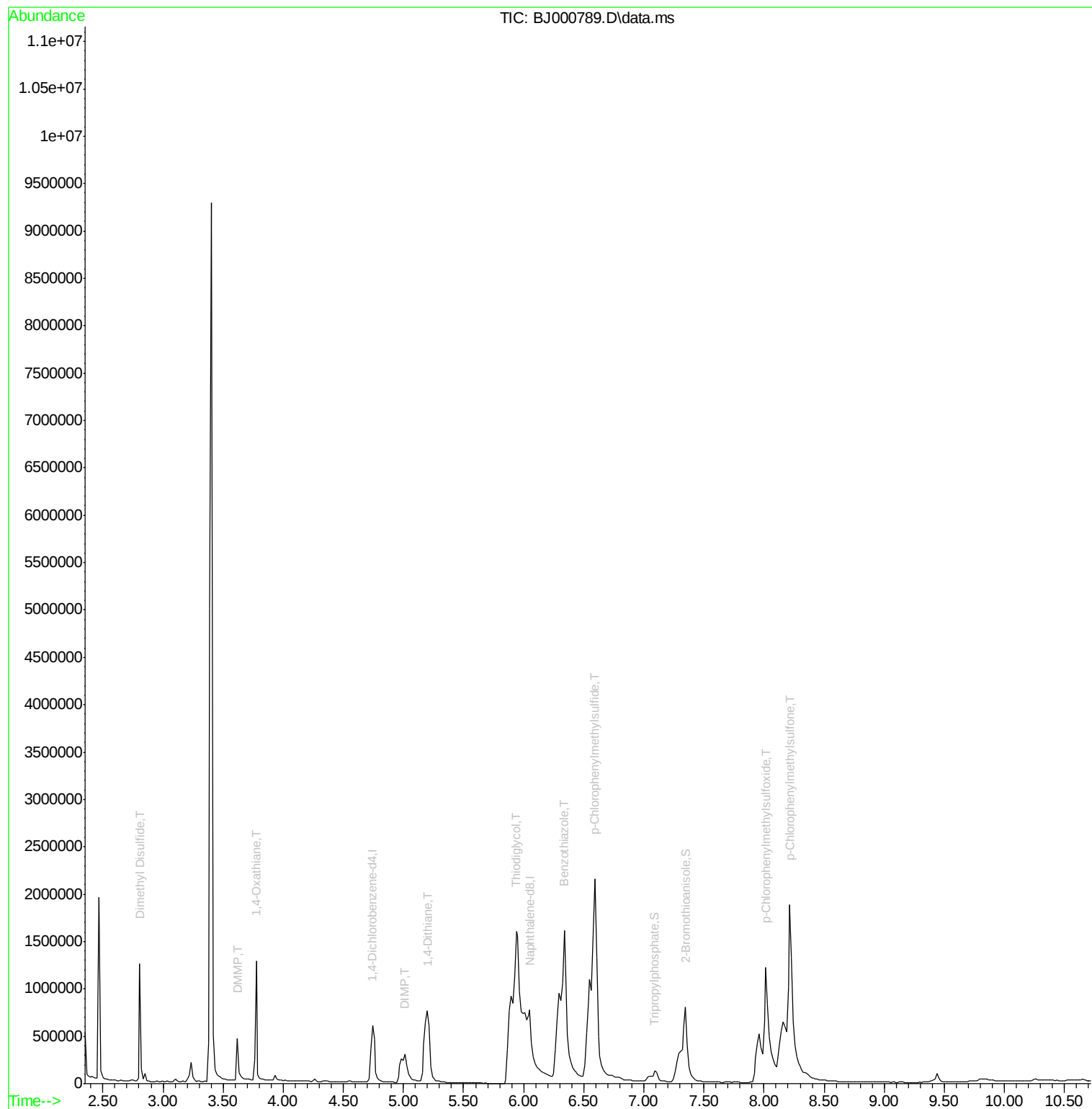
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
Data File : BJ000789.D
Acq On : 26 Apr 2012 17:11
Operator : HLM
Sample : PB62520BSD
Misc : WATER BNA_J HLM
ALS Vial : 5 Sample Multiplier: 1

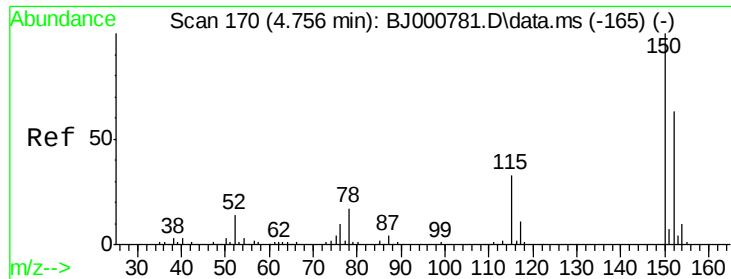
Instrument :
BNA_J
ClientSampleId :
PB62520BSD

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:39 AM

Quant Time: May 03 01:29:49 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Apr 27 11:32:02 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.742 min Scan# 16

Delta R.T. -0.022 min

Lab File: BJ000789.D

Acq: 26 Apr 2012 17:11

Instrument :

BNA_J

ClientSampleId :

PB62520BSD

Tgt Ion:152 Resp: 269648

Ion Ratio Lower Upper

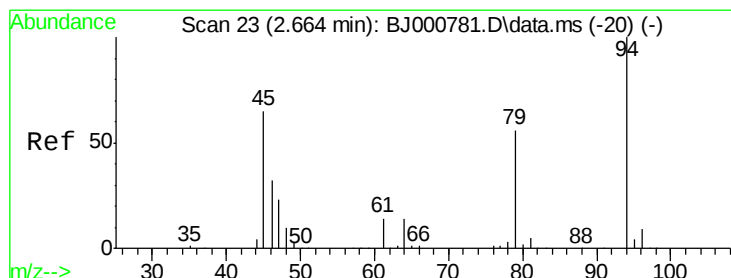
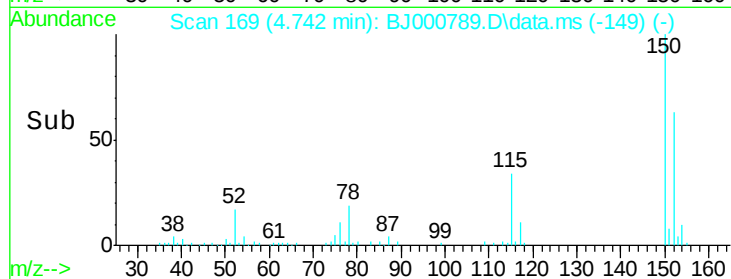
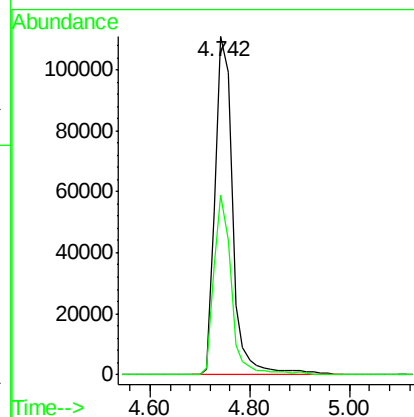
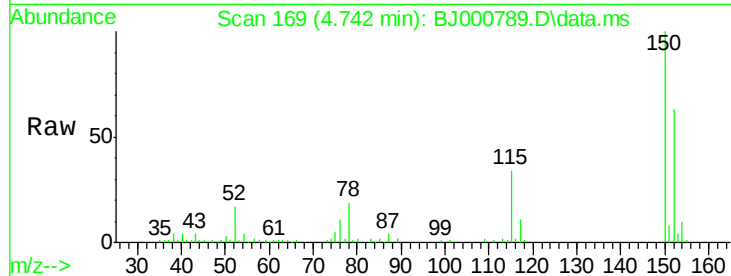
152 100

115 53.2 24.2 64.2

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 3.70 ug/mL

RT: 2.807 min Scan# 33

Delta R.T. 0.135 min

Lab File: BJ000789.D

Acq: 26 Apr 2012 17:11

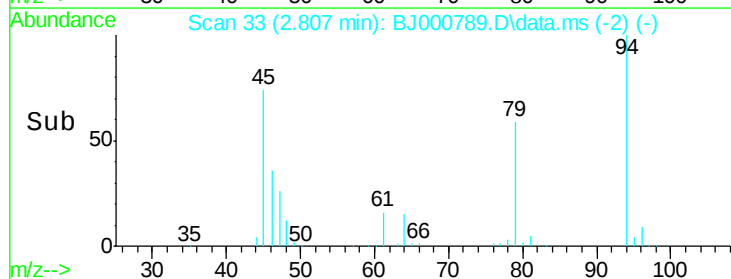
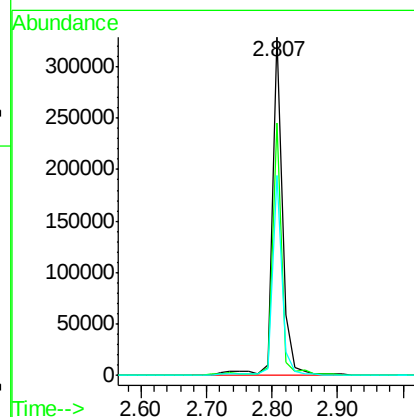
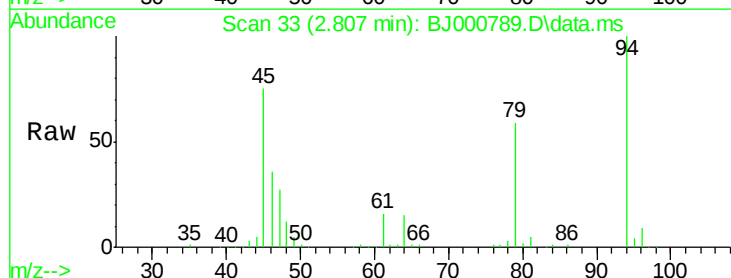
Tgt Ion: 94 Resp: 367760

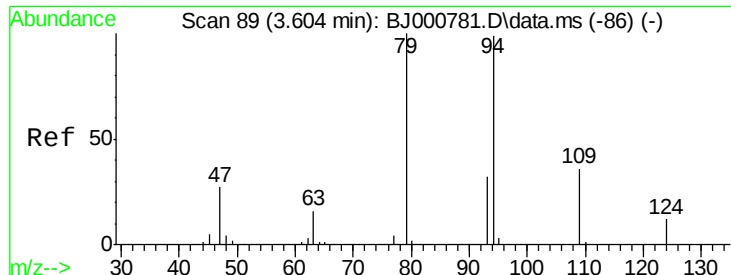
Ion Ratio Lower Upper

94 100

45 74.6 42.7 82.7

79 59.1 35.3 75.3





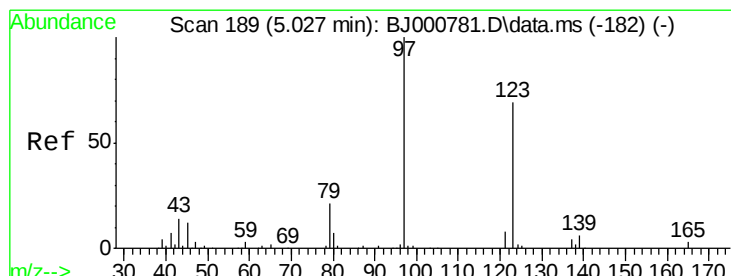
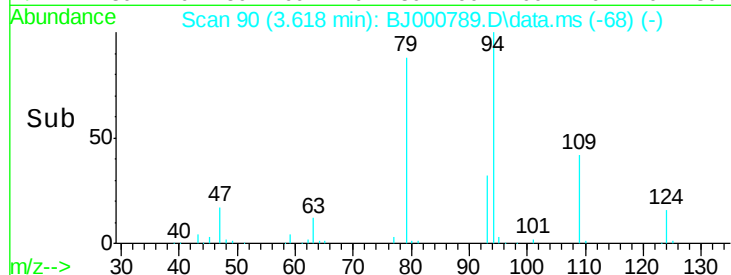
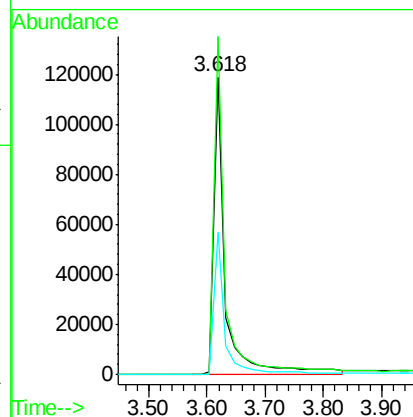
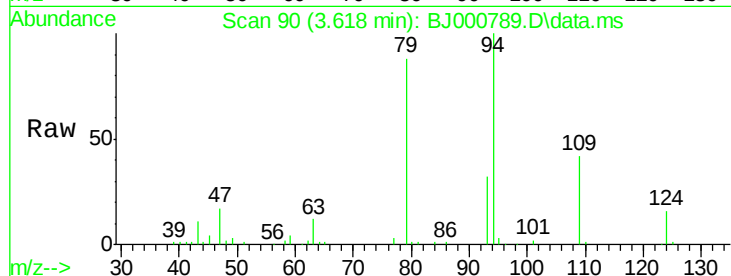
#3
DMMP
Concen: 1.91 ug/mL
RT: 3.618 min Scan# 90
Delta R.T. 0.007 min
Lab File: BJ000789.D
Acq: 26 Apr 2012 17:11

Instrument :
BNA_J
ClientSampleId :
PB62520BSD

Tgt Ion: 79 Resp: 163523
Ion Ratio Lower Upper
79 100
94 113.6 85.9 125.9
109 47.7 20.8 60.8

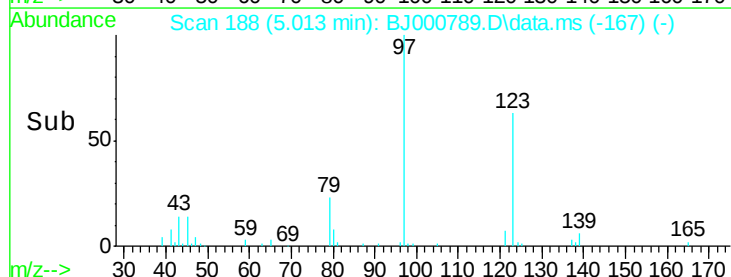
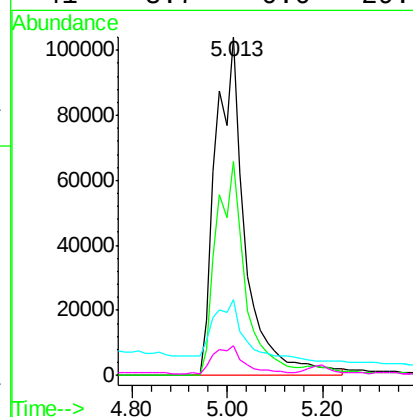
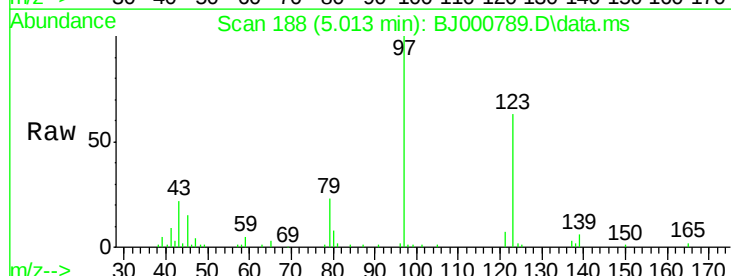
Manual Integrations
APPROVED

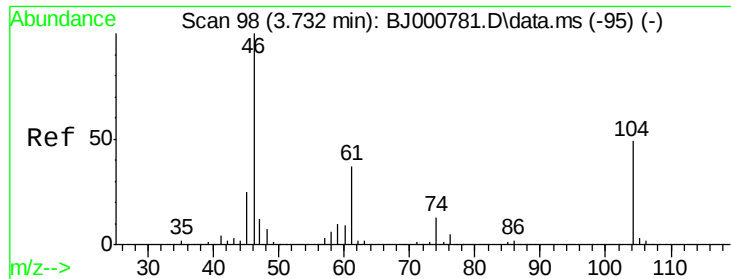
AHPatel
5/3/2012 1:41:39 AM



#4
DIMP
Concen: 1.89 ug/mL
RT: 5.013 min Scan# 188
Delta R.T. -0.008 min
Lab File: BJ000789.D
Acq: 26 Apr 2012 17:11

Tgt Ion: 97 Resp: 448998
Ion Ratio Lower Upper
97 100
123 63.3 38.9 78.9
43 22.3 0.0 38.8
41 8.7 0.0 29.0





#5

1,4-Oxathiane

Concen: 3.96 ug/mL

RT: 3.775 min Scan# 10

Delta R.T. 0.035 min

Lab File: BJ000789.D

Acq: 26 Apr 2012 17:11

Instrument :

BNA_J

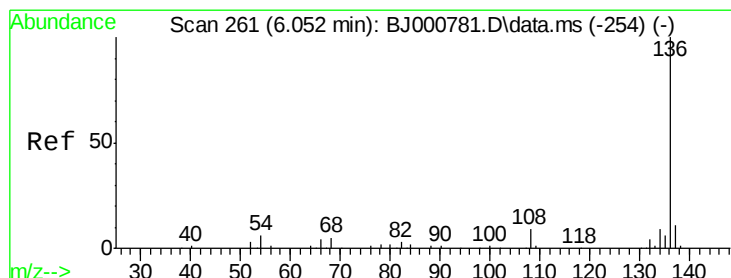
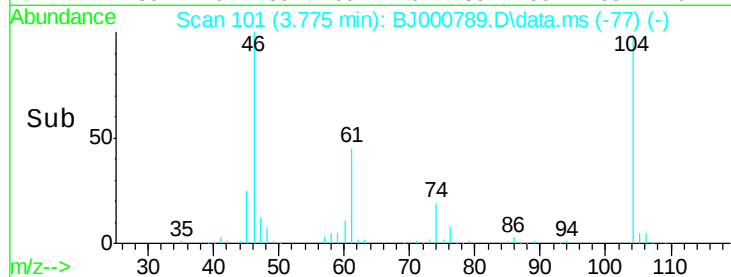
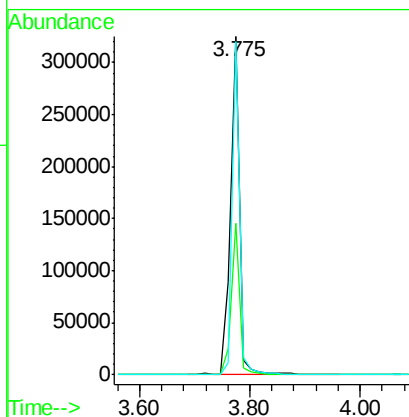
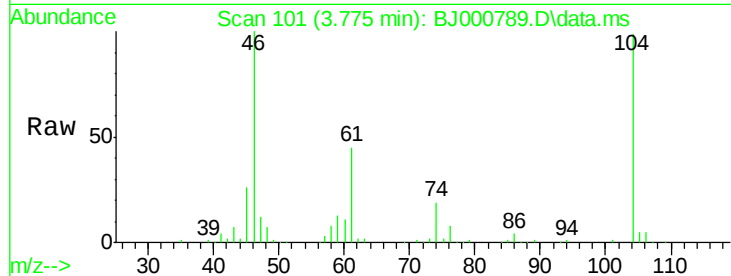
ClientSampleId :

PB62520BSD

Tgt Ion:	46	Resp:	379088
Ion Ratio	Lower	Upper	
46	100		
61	44.6	23.6	63.6
104	98.6	76.3	116.3

Manual Integrations
APPROVED

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5/3/2012 1:41:39 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

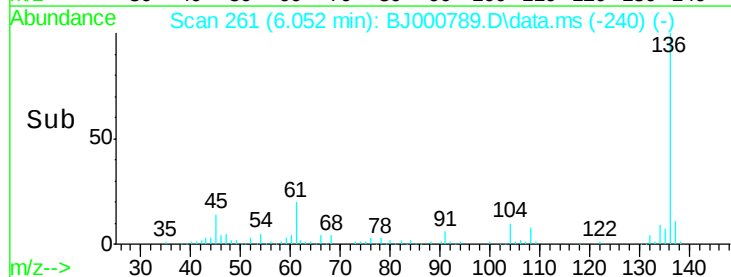
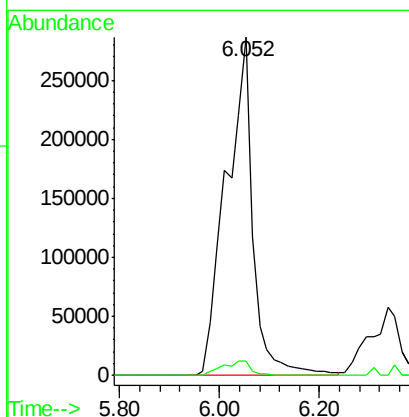
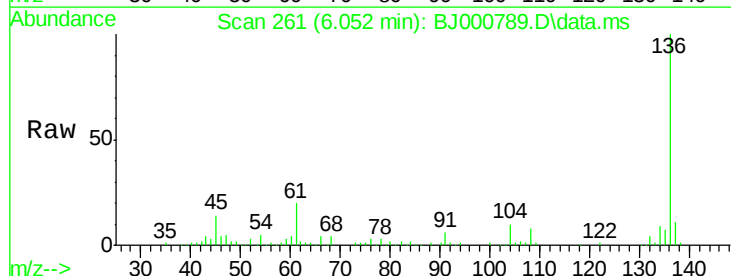
RT: 6.052 min Scan# 261

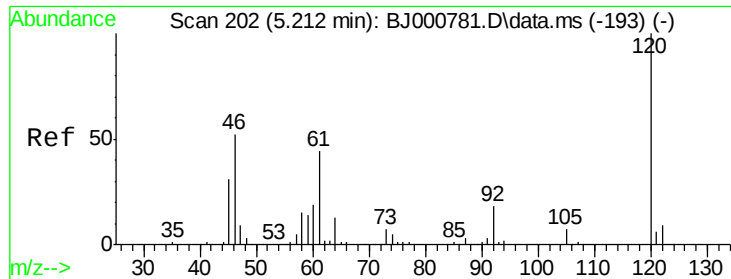
Delta R.T. -0.008 min

Lab File: BJ000789.D

Acq: 26 Apr 2012 17:11

Tgt Ion:	136	Resp:	1059278
Ion Ratio	Lower	Upper	
136	100		
68	4.1	0.0	23.3





#7

1,4-Dithiane

Concen: 4.82 ug/mL

RT: 5.198 min Scan# 20

Delta R.T. -0.008 min

Lab File: BJ000789.D

Acq: 26 Apr 2012 17:11

Instrument :

BNA_J

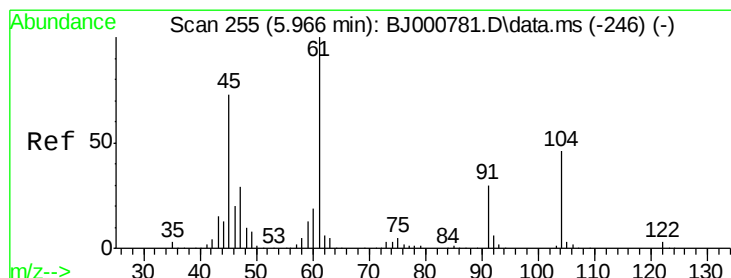
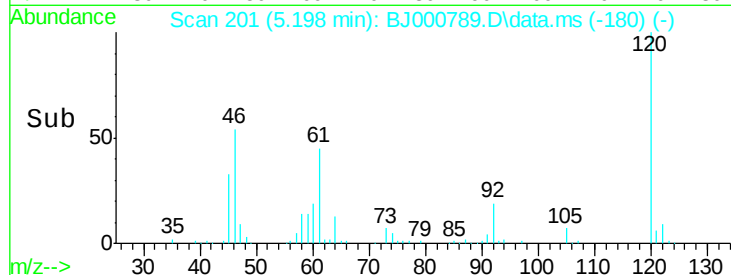
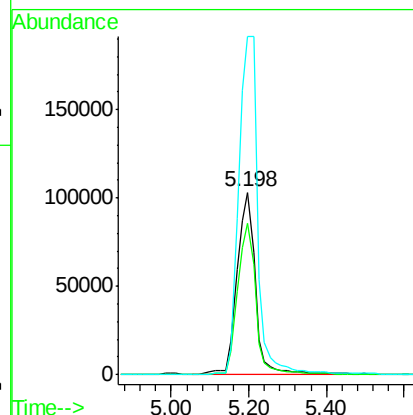
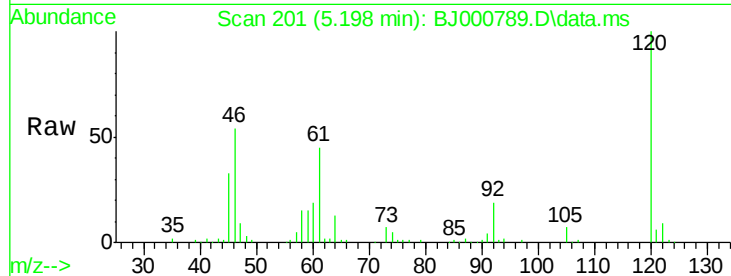
ClientSampleId :

PB62520BSD

Tgt Ion	Ratio	Lower	Upper
46	100		
61	83.3	60.3	100.3
120	185.7	146.0	186.0

Manual Integrations
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#8

Thiodiglycol

Concen: 37.03 ug/mL m

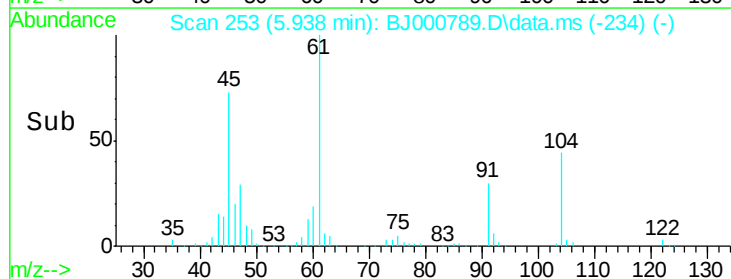
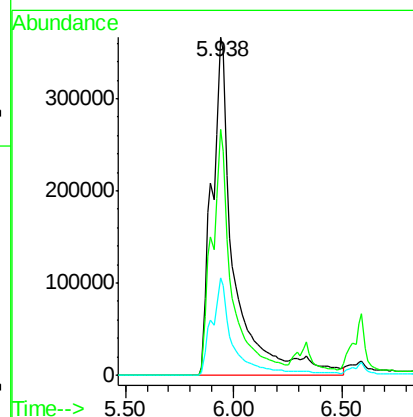
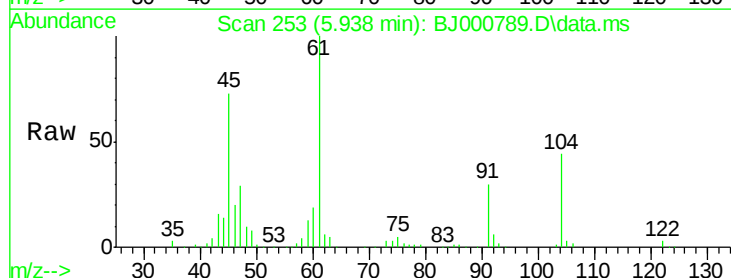
RT: 5.938 min Scan# 253

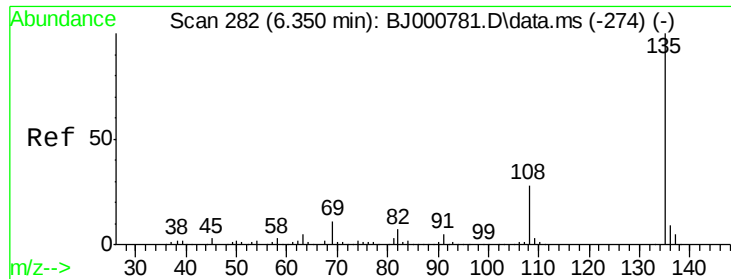
Delta R.T. -0.036 min

Lab File: BJ000789.D

Acq: 26 Apr 2012 17:11

Tgt Ion	Ratio	Lower	Upper
61	100		
45	72.7	50.6	90.6
47	28.8	8.3	48.3





#9

Benzothiazole

Concen: 10.68 ug/mL

RT: 6.337 min Scan# 28

Delta R.T. -0.008 min

Lab File: BJ000789.D

Acq: 26 Apr 2012 17:11

Instrument :

BNA_J

ClientSampleId :

PB62520BSD

Tgt Ion:135 Resp: 2816808

Ion Ratio Lower Upper

135 100

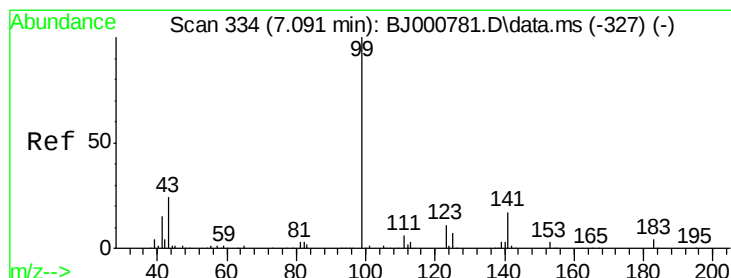
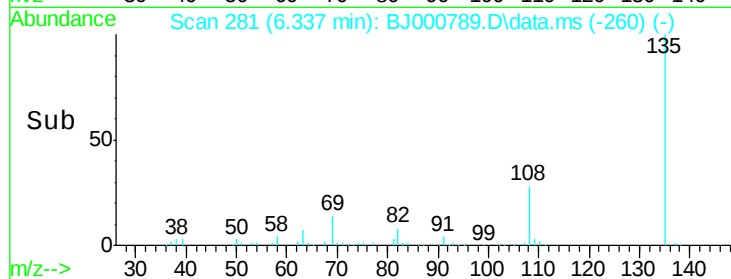
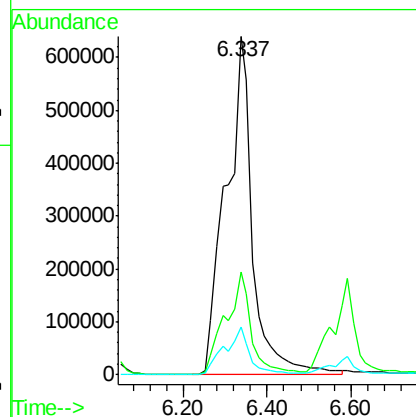
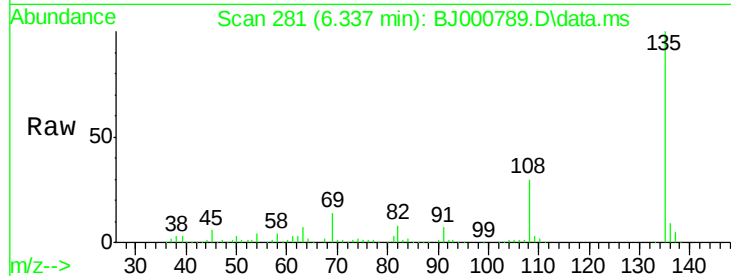
108 30.3 11.1 51.1

69 14.1 0.0 34.6

Manual Integrations
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5/3/2012 1:41:39 AM



#10

Tripropylphosphate

Concen: 0.57 ug/mL

RT: 7.091 min Scan# 334

Delta R.T. -0.008 min

Lab File: BJ000789.D

Acq: 26 Apr 2012 17:11

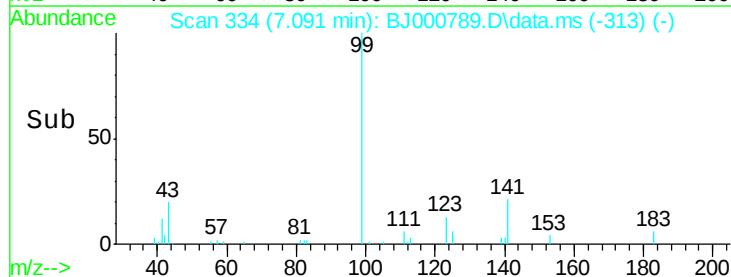
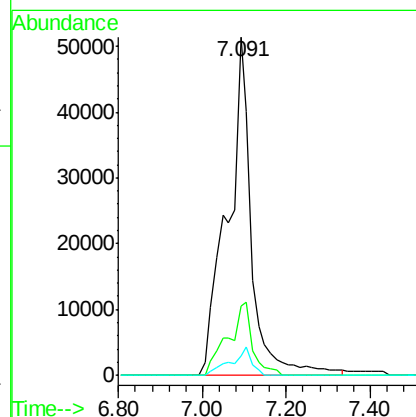
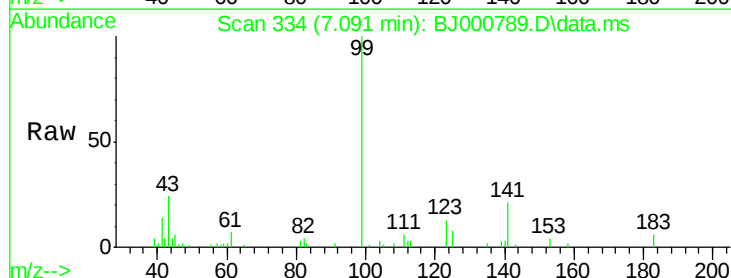
Tgt Ion: 99 Resp: 204369

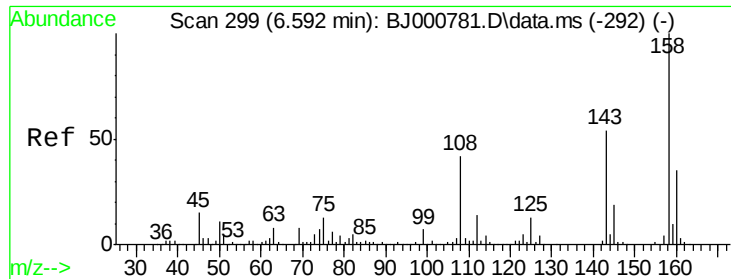
Ion Ratio Lower Upper

99 100

141 22.0 18.7 28.1

183 7.1 6.1 9.1





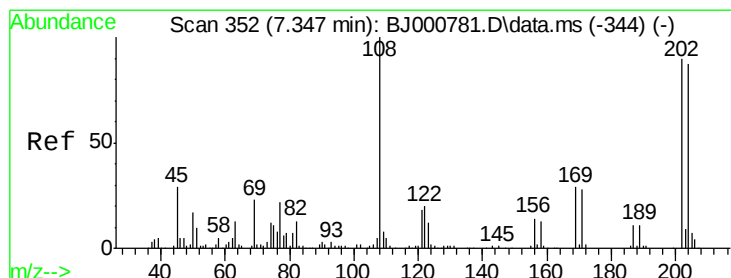
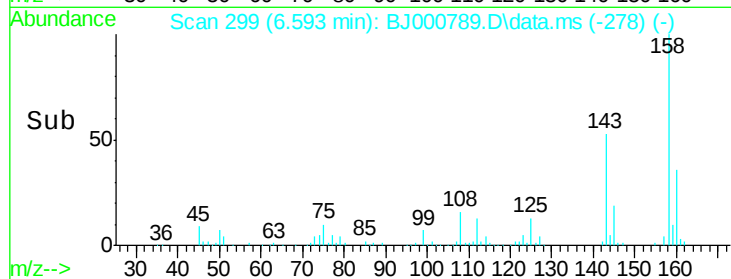
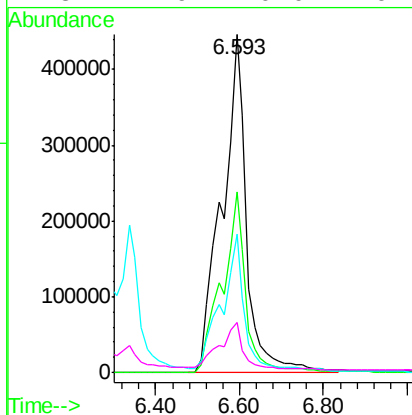
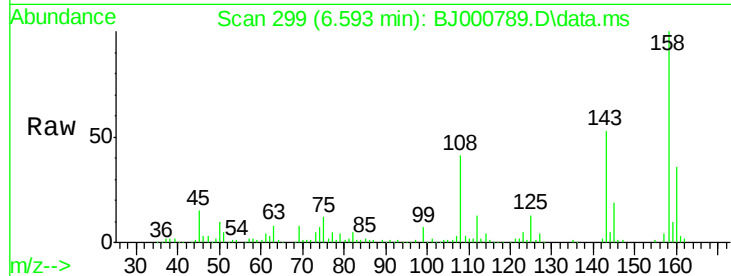
#11
p-Chlorophenylmethylsulfide
Concen: 9.96 ug/mL
RT: 6.593 min Scan# 299
Delta R.T. -0.008 min
Lab File: BJ000789.D
Acq: 26 Apr 2012 17:11

Instrument :
BNA_J
ClientSampleId :
PB62520BSD

Tgt Ion	Ratio	Lower	Upper
158	100		
143	53.3	30.8	70.8
108	40.8	14.1	54.1
45	14.9	0.0	29.1

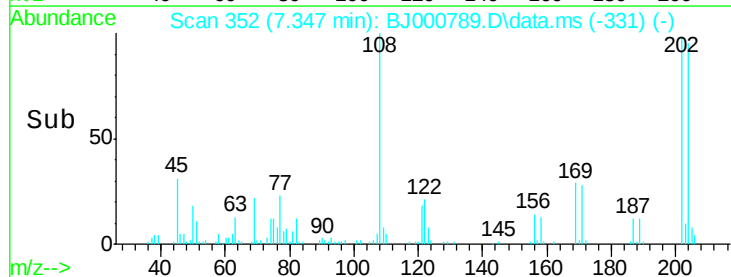
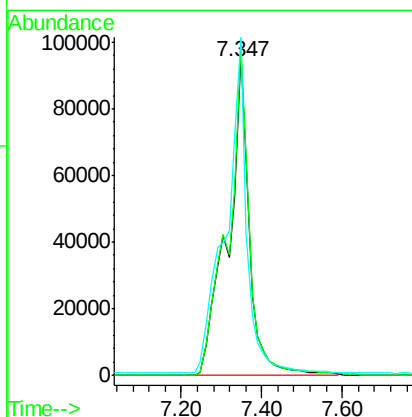
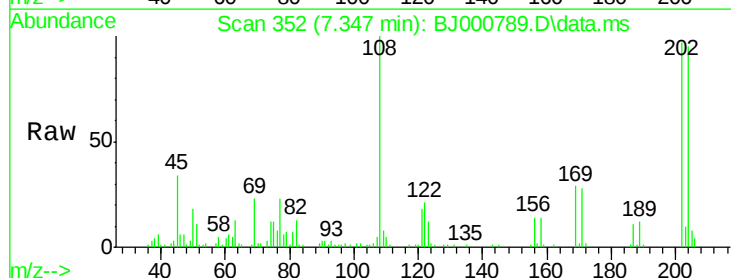
Manual Integrations
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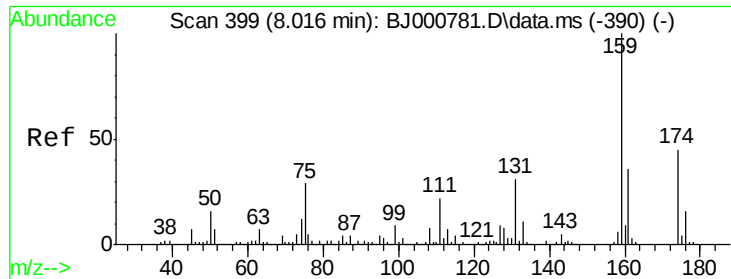
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5/3/2012 1:41:39 AM



#12
2-Bromothioanisole
Concen: 5.14 ug/mL
RT: 7.347 min Scan# 352
Delta R.T. -0.008 min
Lab File: BJ000789.D
Acq: 26 Apr 2012 17:11

Tgt Ion	Ratio	Lower	Upper
204	100		
202	103.0	82.8	122.8
108	105.8	49.2	89.2#





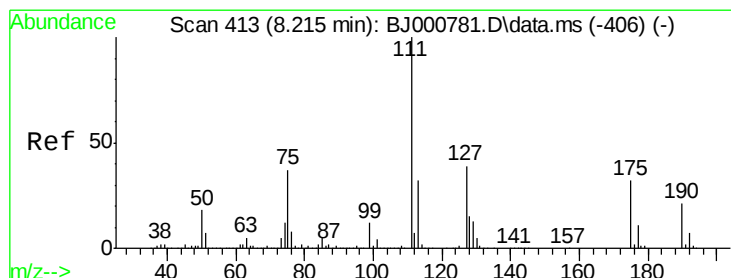
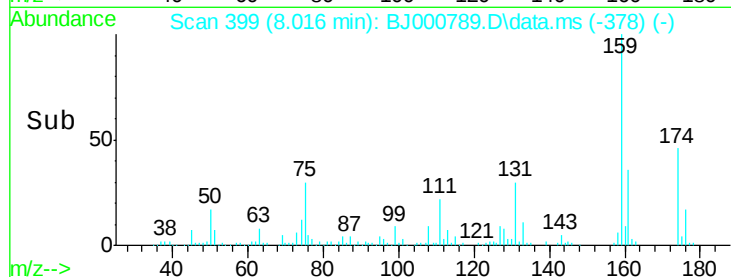
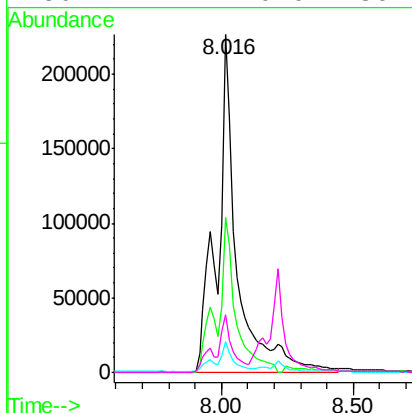
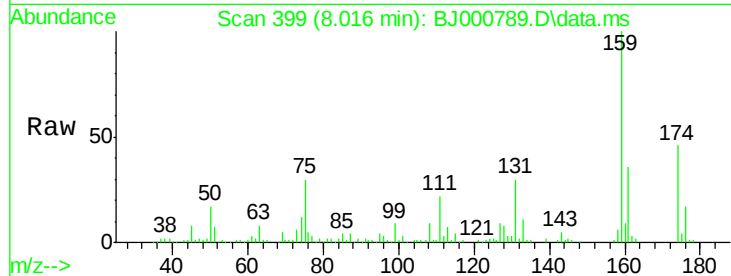
#13
p-Chlorophenylmethylsulfoxide
Concen: 11.46 ug/mL m
RT: 8.016 min Scan# 399
Delta R.T. -0.008 min
Lab File: BJ000789.D
Acq: 26 Apr 2012 17:11

Instrument :
BNA_J
ClientSampleId :
PB62520BSD

Tgt Ion:159 Resp: 1166550
Ion Ratio Lower Upper
159 100
174 30.8 28.6 68.6
108 4.6 0.0 28.2
50 7.4 0.0 36.1

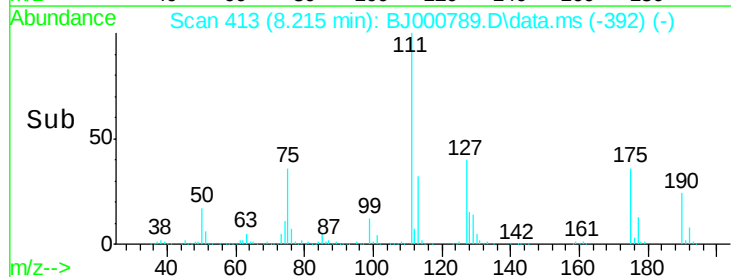
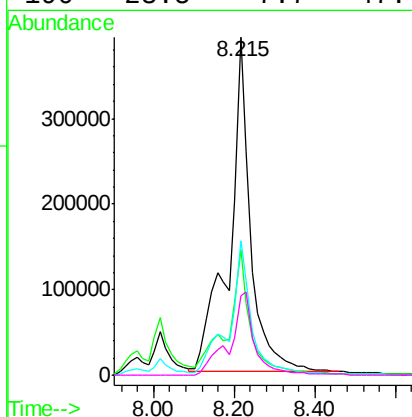
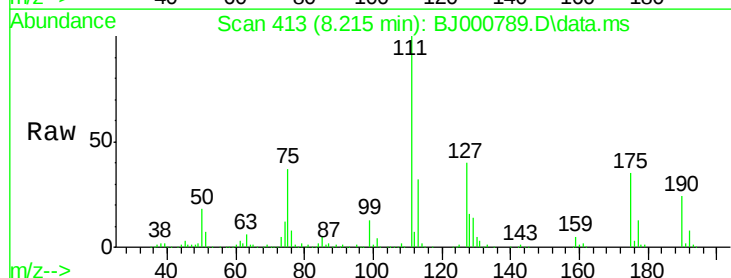
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 9.57 ug/mL
RT: 8.215 min Scan# 413
Delta R.T. -0.008 min
Lab File: BJ000789.D
Acq: 26 Apr 2012 17:11

Tgt Ion:111 Resp: 1436052
Ion Ratio Lower Upper
111 100
75 37.2 12.8 52.8
127 40.0 21.9 61.9
190 23.5 7.7 47.7



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000789.D
 Acq On : 26 Apr 2012 17:11
 Operator : HLM
 Sample : PB62520BSD
 Misc : WATER BNA_J HLM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62520BSD

Manual Integrations
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AHPatel
 5/3/2012 1:41:39 AM

Quant Time: May 03 01:29:49 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Apr 27 11:32:02 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.742	152	269648	2.00	ug/mL	-0.02
6) Naphthalene-d8	6.052	136	1059278	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.091	99	204369	0.57	ug/mL	0.00
Spiked Amount 0.500	Range	70 - 130	Recovery	=	114.00%	
12) 2-Bromothioanisole	7.347	204	356942	5.14	ug/mL	0.00
Spiked Amount 5.000	Range	70 - 130	Recovery	=	102.80%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.807	94	367760	3.70	ug/mL	89
3) DMMP	3.618	79	163523	1.91	ug/mL	92
4) DIMP	5.013	97	448998	1.89	ug/mL	94
5) 1,4-Oxathiane	3.775	46	379088	3.96	ug/mL	98
7) 1,4-Dithiane	5.198	46	337144	4.82	ug/mL	89
8) Thiodiglycol	5.938	61	2594827m	37.03	ug/mL	
9) Benzothiazole	6.337	135	2816808	10.68	ug/mL	99
11) p-Chlorophenylmethyisu...	6.593	158	1817624	9.96	ug/mL	92
13) p-Chlorophenylmethyisu...	8.016	159	1166550m	11.46	ug/mL	
14) p-Chlorophenylmethyisu...	8.215	111	1436052	9.57	ug/mL	94

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