

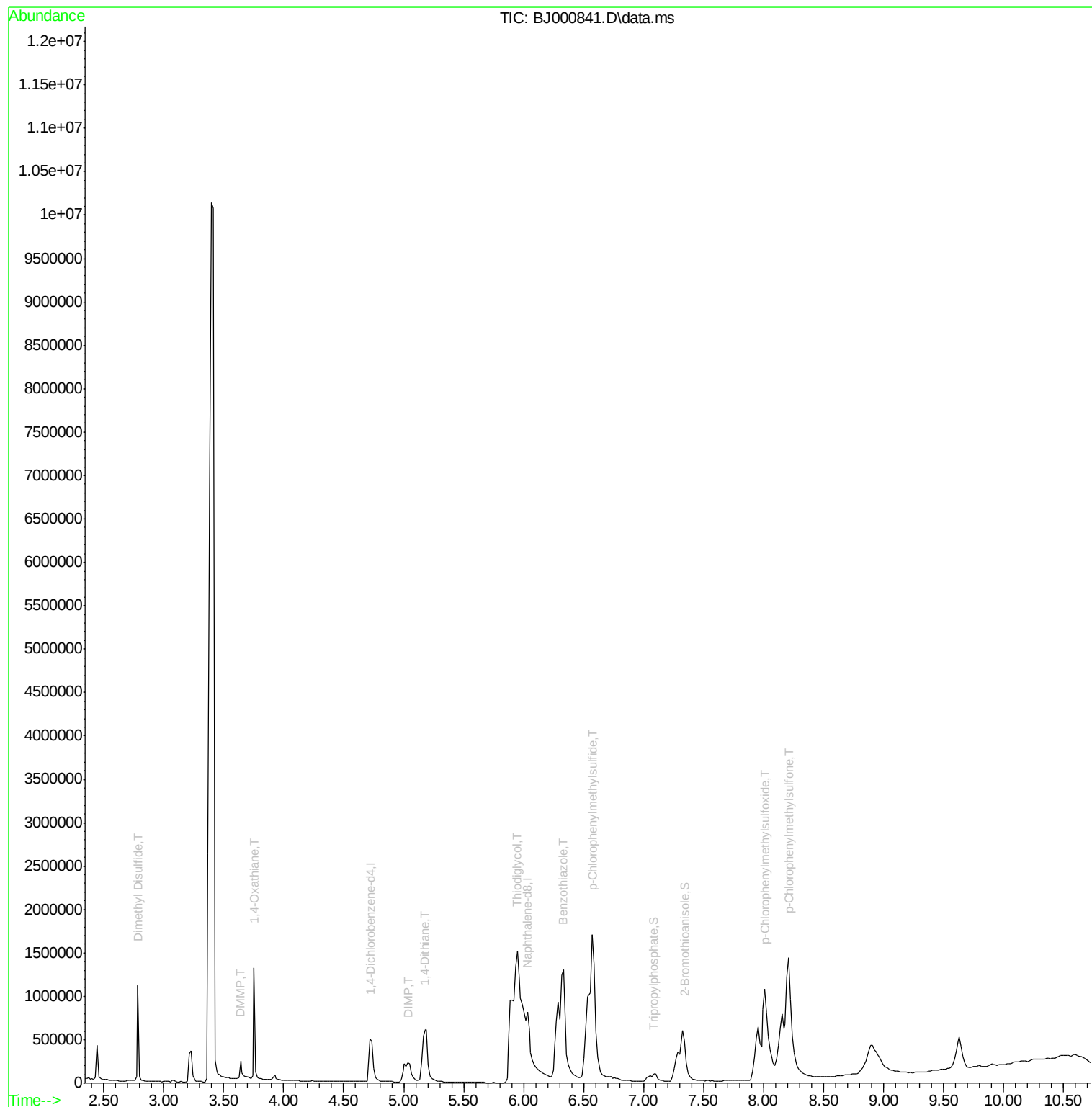
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
Data File : BJ000841.D
Acq On : 27 Apr 2012 23:25
Operator : HLM
Sample : PB62635BS
Misc : WATER BNA_J HLM
ALS Vial : 20 Sample Multiplier: 1

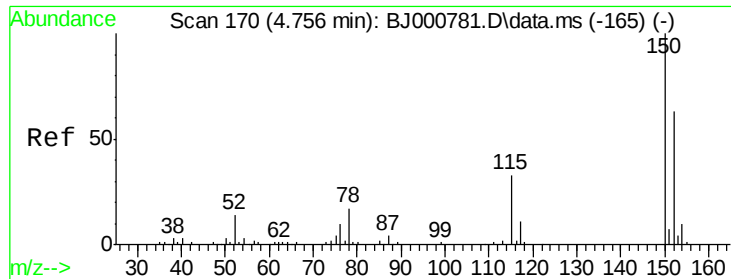
Instrument :
BNA_J
ClientSampleId :
PB62635BS

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:41 AM

Quant Time: May 03 01:45:12 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Mon Apr 30 10:31:38 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.722 min Scan# 16

Delta R.T. -0.031 min

Lab File: BJ000841.D

Acq: 27 Apr 2012 23:25

Instrument :

BNA_J

ClientSampleId :

PB62635BS

Tgt Ion:152 Resp: 224520

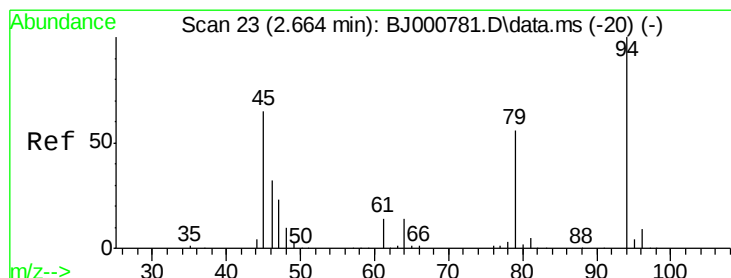
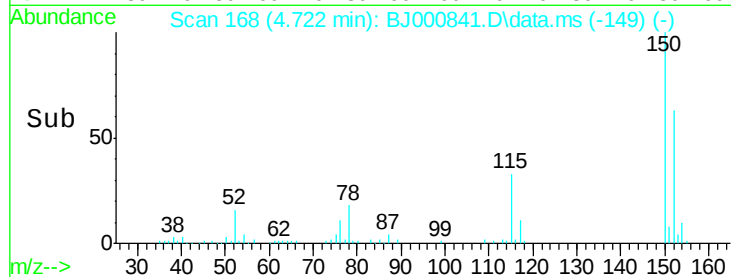
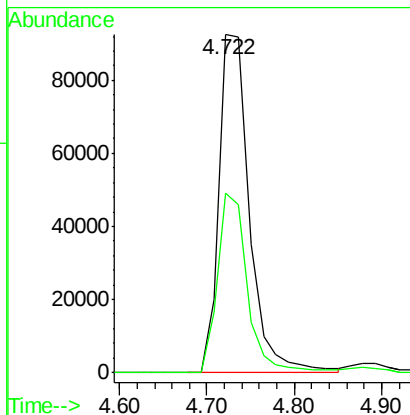
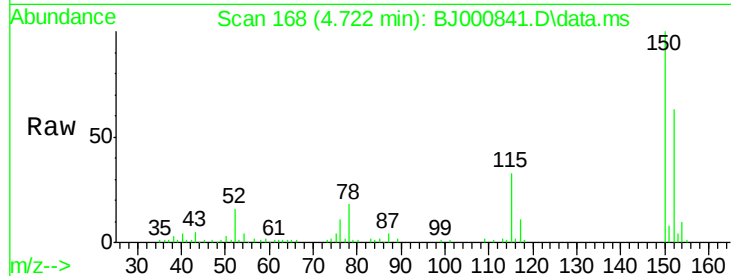
Ion Ratio Lower Upper

152 100

115 52.9 25.8 65.8

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:41 AM



#2

Dimethyl Disulfide

Concen: 4.32 ug/mL

RT: 2.786 min Scan# 32

Delta R.T. 0.126 min

Lab File: BJ000841.D

Acq: 27 Apr 2012 23:25

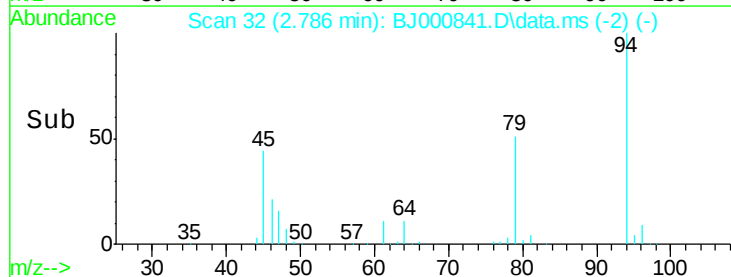
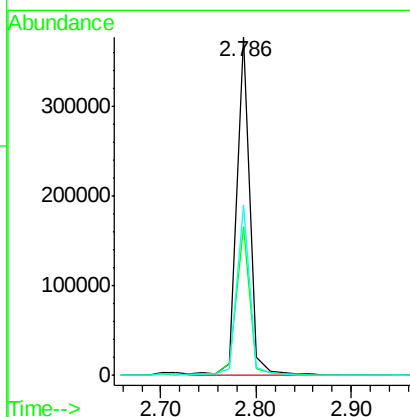
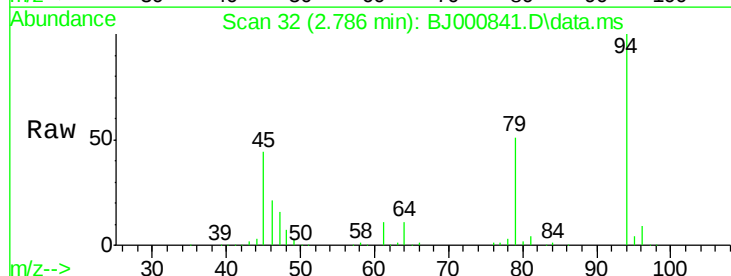
Tgt Ion: 94 Resp: 357348

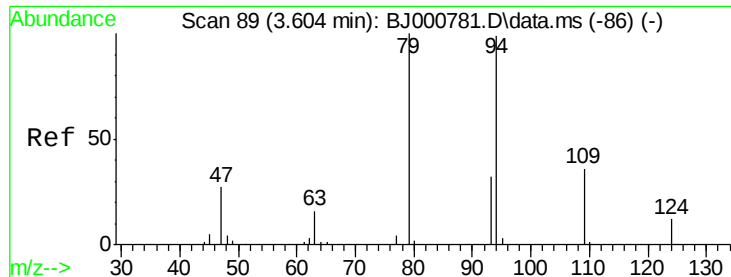
Ion Ratio Lower Upper

94 100

45 44.0 7.2 47.2

79 50.5 21.6 61.6





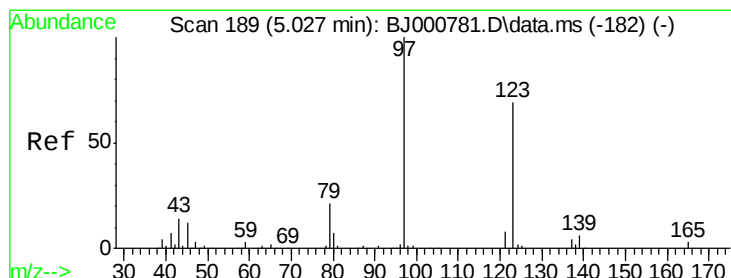
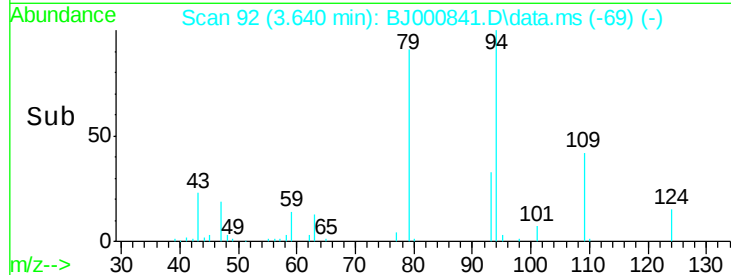
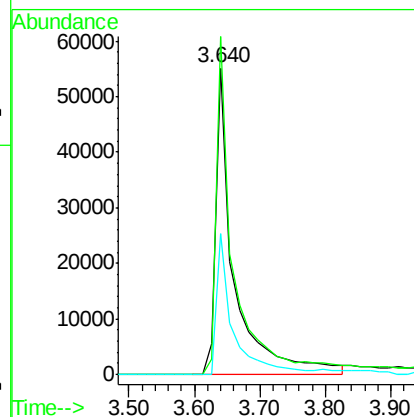
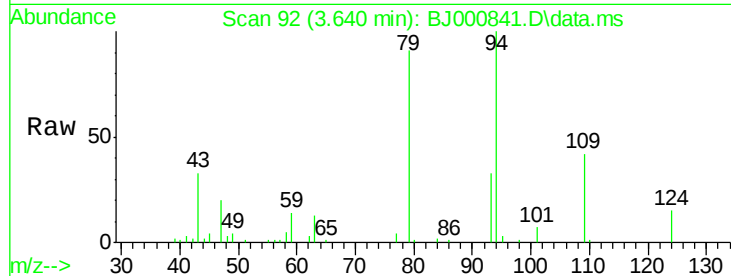
#3
DMMP
Concen: 1.56 ug/mL
RT: 3.640 min Scan# 92
Delta R.T. 0.026 min
Lab File: BJ000841.D
Acq: 27 Apr 2012 23:25

Instrument :
BNA_J
ClientSampleId :
PB62635BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
79	100		
94	110.3	80.8	120.8
109	46.1	17.5	57.5

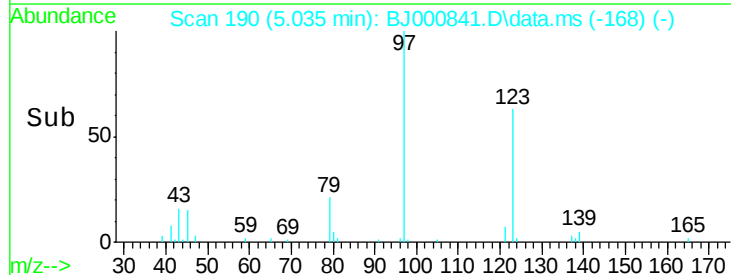
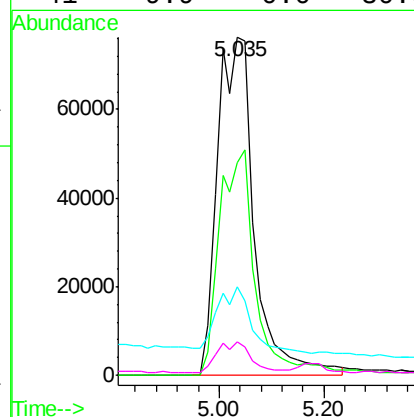
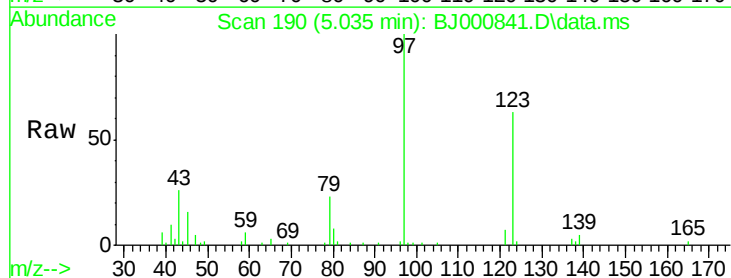
Manual Integrations
APPROVED

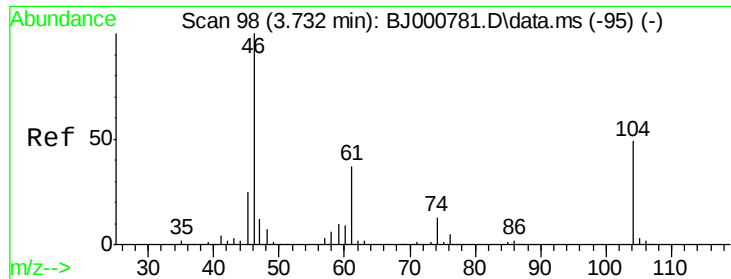
AHPatel
5/3/2012 1:42:41 AM



#4
DIMP
Concen: 1.89 ug/mL
RT: 5.035 min Scan# 190
Delta R.T. 0.012 min
Lab File: BJ000841.D
Acq: 27 Apr 2012 23:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
97	100		
123	63.0	39.1	79.1
43	26.1	0.9	40.9
41	9.9	0.0	30.0





#5

1,4-Oxathiane

Concen: 4.58 ug/mL

RT: 3.754 min Scan# 10

Delta R.T. 0.026 min

Lab File: BJ000841.D

Acq: 27 Apr 2012 23:25

Instrument :

BNA_J

ClientSampleId :

PB62635BS

Tgt Ion: 46 Resp: 364396

Ion Ratio Lower Upper

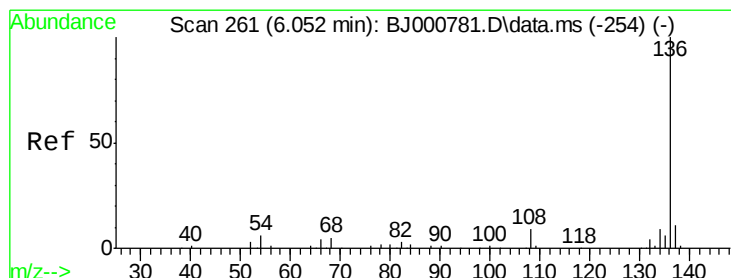
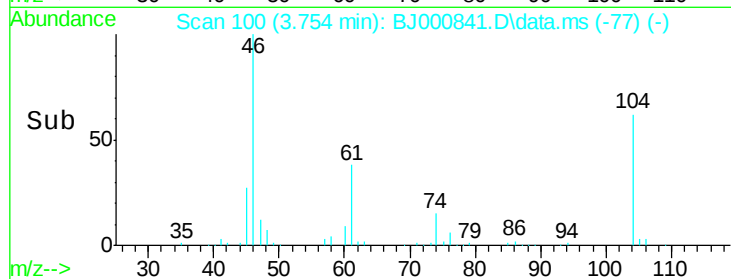
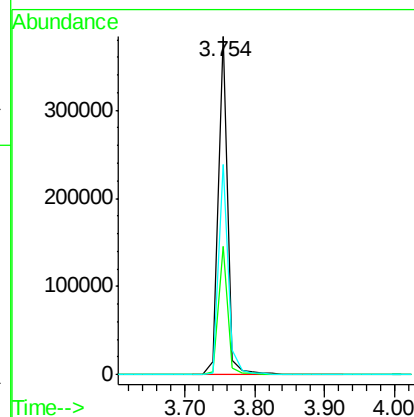
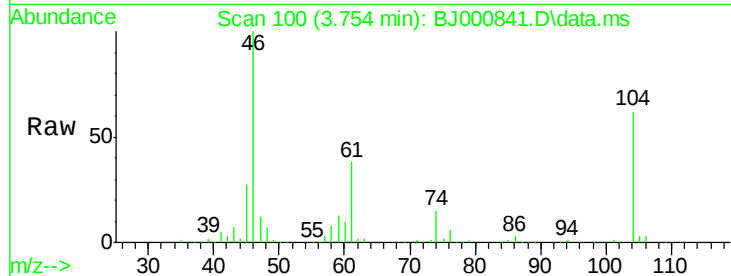
46 100

61 38.0 22.0 62.0

104 62.1 73.6 113.6#

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:41 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.031 min Scan# 260

Delta R.T. -0.016 min

Lab File: BJ000841.D

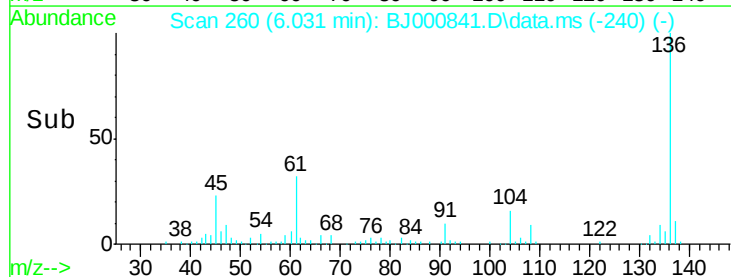
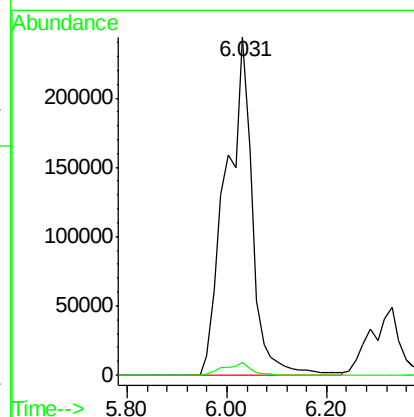
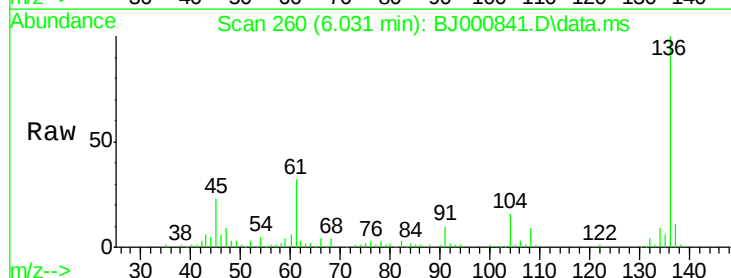
Acq: 27 Apr 2012 23:25

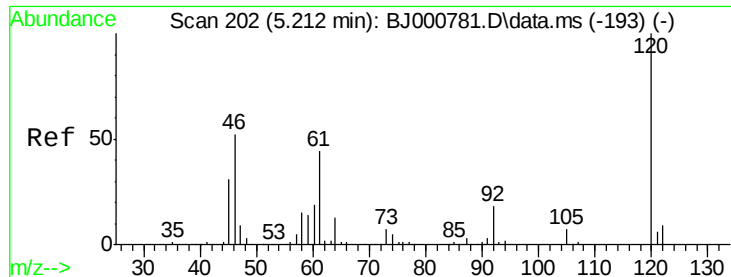
Tgt Ion: 136 Resp: 894421

Ion Ratio Lower Upper

136 100

68 3.8 0.0 23.1





#7

1,4-Dithiane

Concen: 4.64 ug/mL

RT: 5.177 min Scan# 20

Delta R.T. -0.016 min

Lab File: BJ000841.D

Acq: 27 Apr 2012 23:25

Instrument :

BNA_J

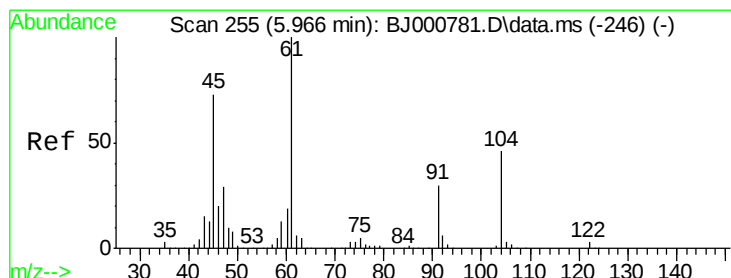
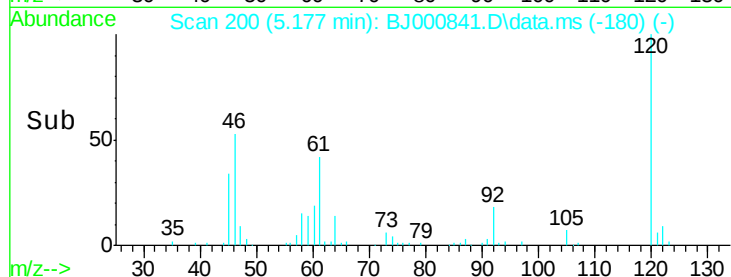
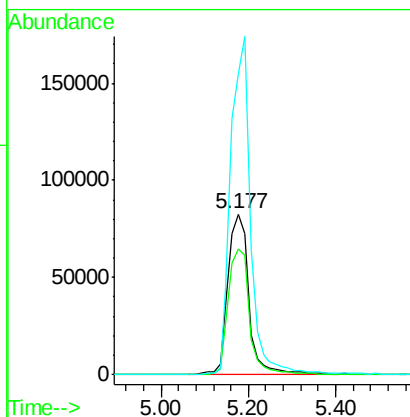
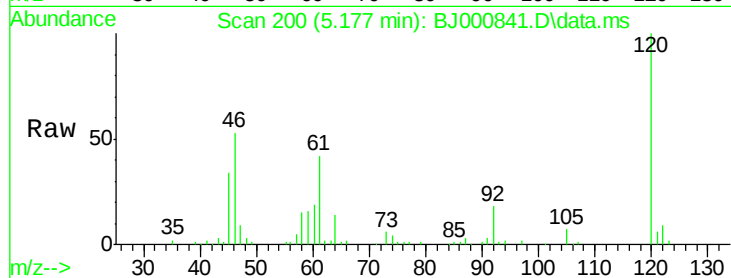
ClientSampleId :

PB62635BS

Tgt Ion	Ratio	Lower	Upper
46	100		
61	78.1	56.7	96.7
120	187.8	148.6	188.6

Manual Integrations
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#8

Thiodiglycol

Concen: 41.08 ug/mL m

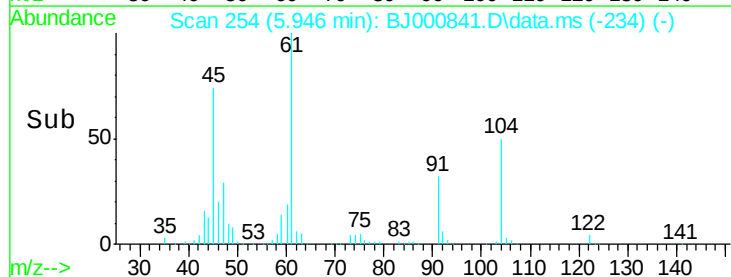
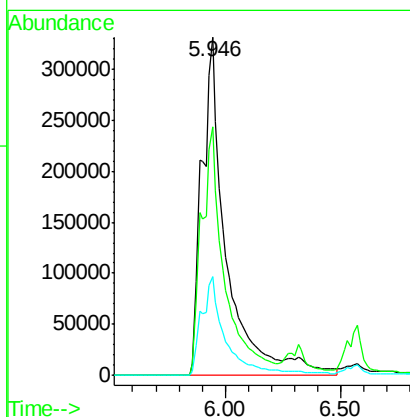
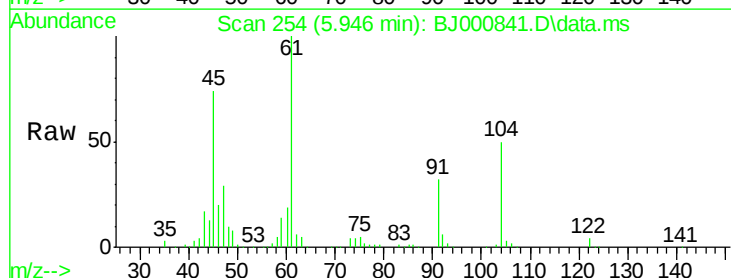
RT: 5.946 min Scan# 254

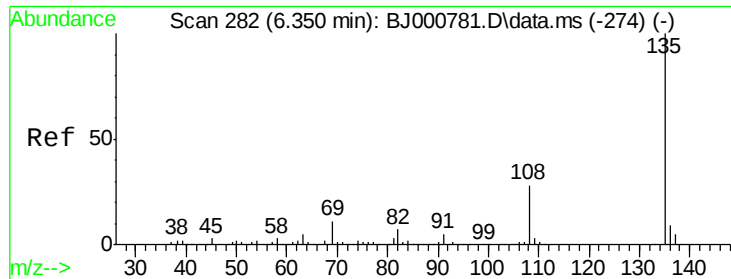
Delta R.T. -0.016 min

Lab File: BJ000841.D

Acq: 27 Apr 2012 23:25

Tgt Ion	Ratio	Lower	Upper
61	100		
45	73.5	56.4	96.4
47	29.1	10.1	50.1





#9

Benzothiazole

Concen: 10.56 ug/mL

RT: 6.330 min Scan# 28

Delta R.T. -0.016 min

Lab File: BJ000841.D

Acq: 27 Apr 2012 23:25

Instrument :

BNA_J

ClientSampleID :

PB62635BS

Tgt Ion:135 Resp: 2350299

Ion Ratio Lower Upper

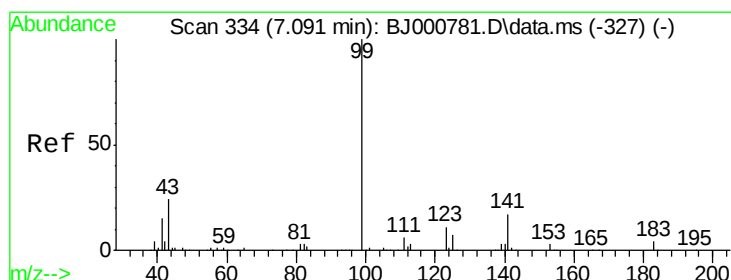
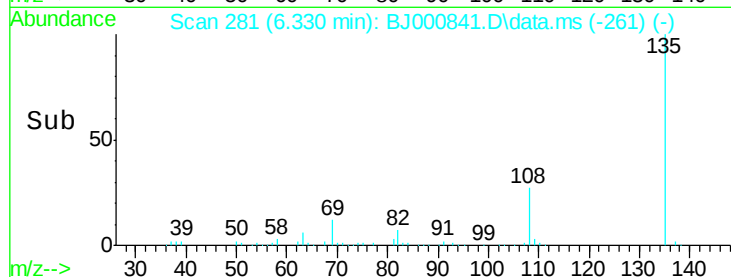
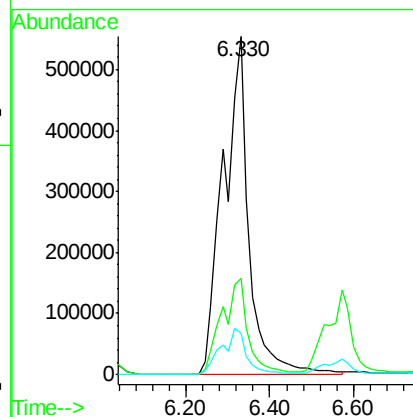
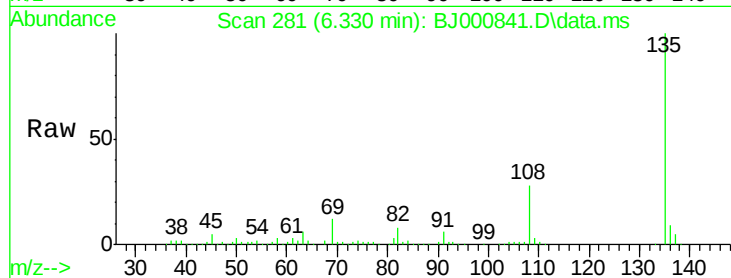
135 100

108 28.3 7.0 47.0

69 12.1 0.0 30.4

Manual Integrations
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AHPatel
5/3/2012 1:42:41 AM



#10

Tripropylphosphate

Concen: 0.59 ug/mL

RT: 7.084 min Scan# 334

Delta R.T. -0.002 min

Lab File: BJ000841.D

Acq: 27 Apr 2012 23:25

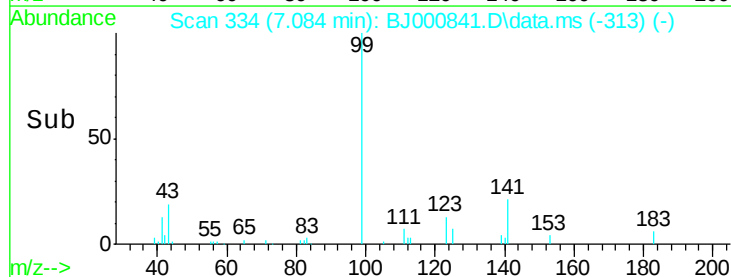
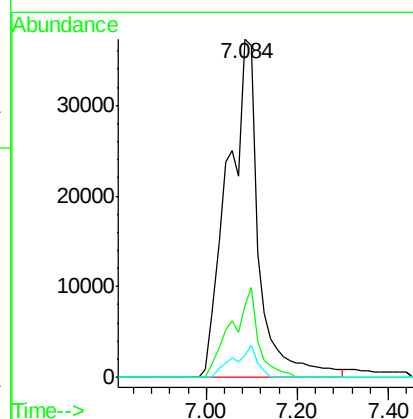
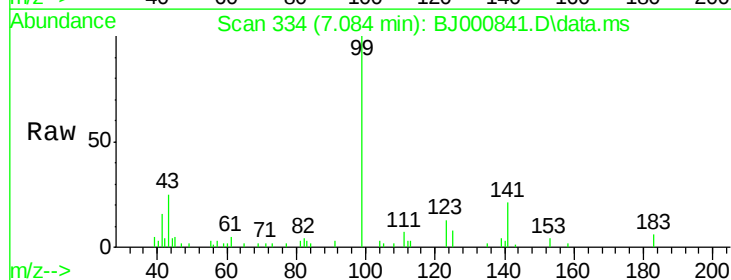
Tgt Ion: 99 Resp: 178515

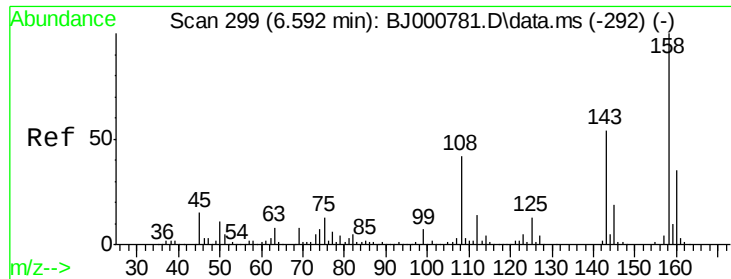
Ion Ratio Lower Upper

99 100

141 23.0 18.7 28.1

183 7.0 6.2 9.2





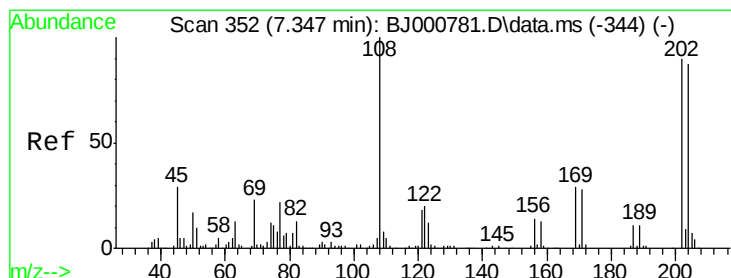
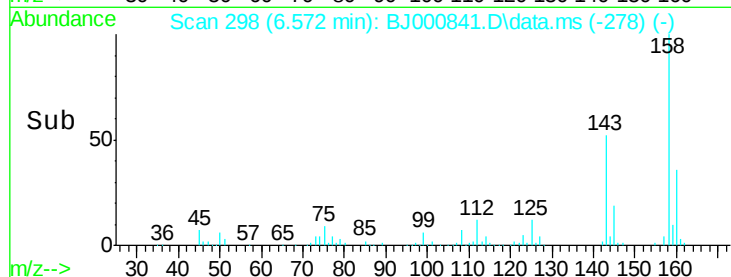
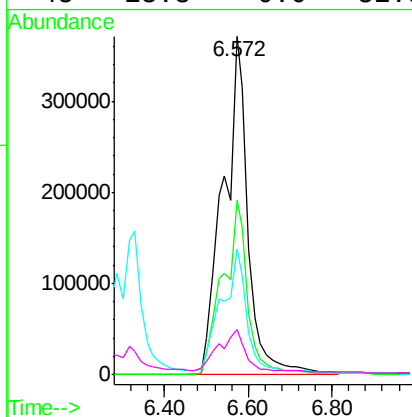
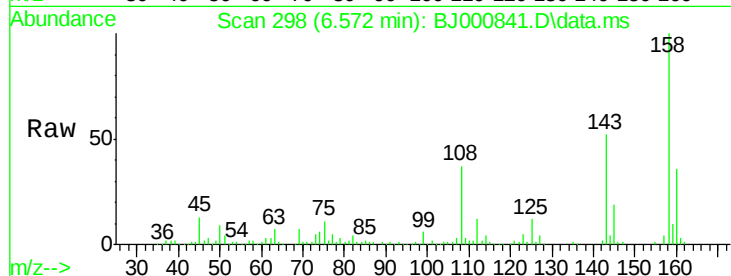
#11
p-Chlorophenylmethylsulfide
Concen: 9.89 ug/mL
RT: 6.572 min Scan# 29
Delta R.T. -0.016 min
Lab File: BJ000841.D
Acq: 27 Apr 2012 23:25

Instrument :
BNA_J
ClientSampleId :
PB62635BS

Tgt Ion:	158	Resp:	1523067
Ion Ratio	Lower	Upper	
158	100		
143	51.6	32.7	72.7
108	37.2	18.7	58.7
45	13.3	0.0	31.9

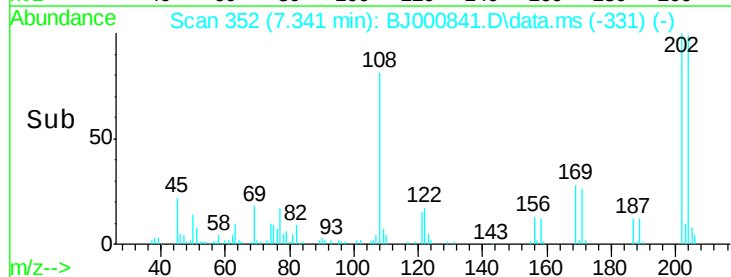
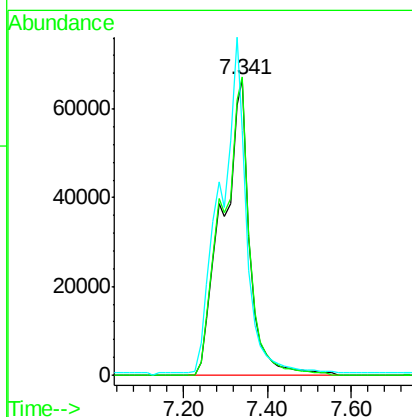
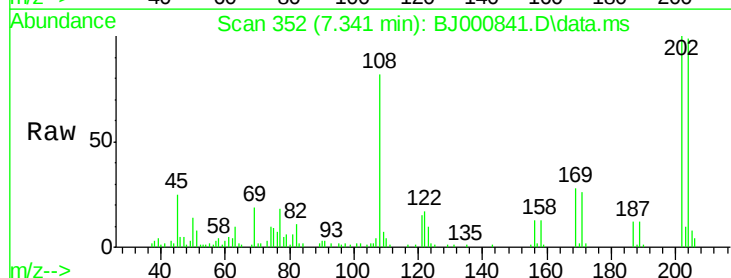
Manual Integrations
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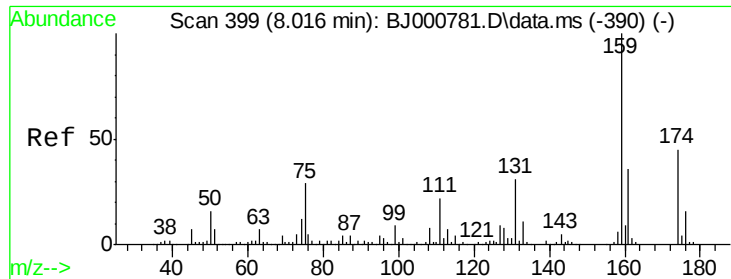
AHPatel
5/3/2012 1:42:41 AM



#12
2-Bromothioanisole
Concen: 5.13 ug/mL
RT: 7.341 min Scan# 352
Delta R.T. -0.002 min
Lab File: BJ000841.D
Acq: 27 Apr 2012 23:25

Tgt Ion:	204	Resp:	300983
Ion Ratio	Lower	Upper	
204	100		
202	100.9	82.9	122.9
108	82.9	70.0	110.0





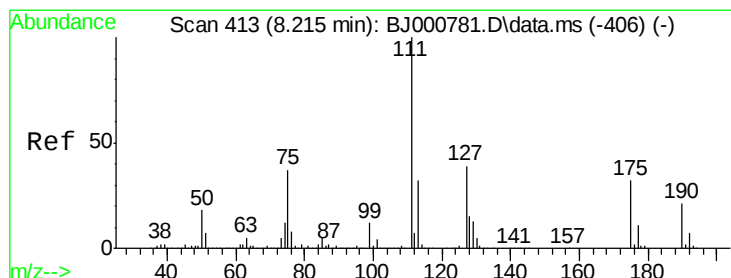
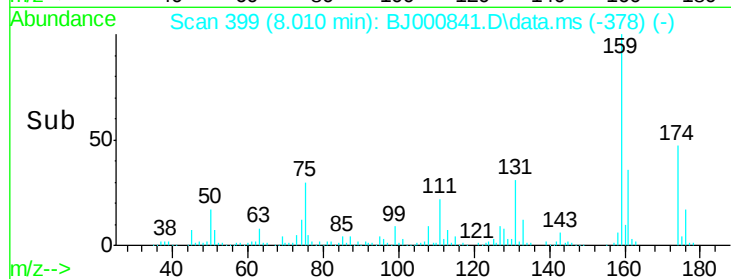
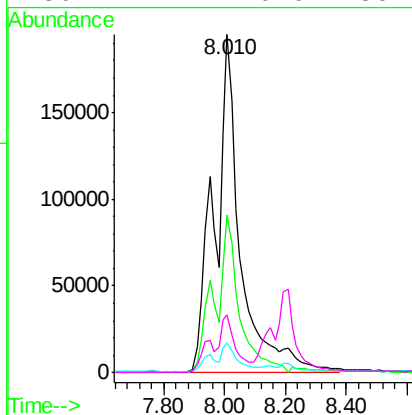
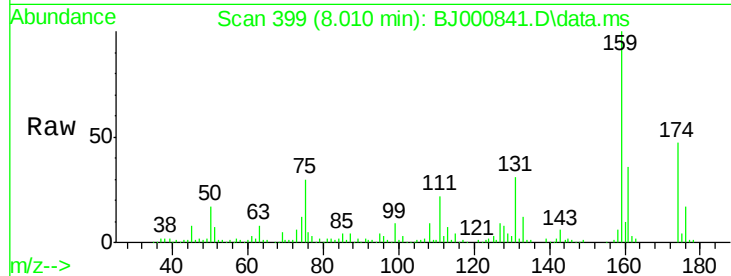
#13
p-Chlorophenylmethylsulfoxide
Concen: 13.30 ug/mL m
RT: 8.010 min Scan# 39
Delta R.T. -0.002 min
Lab File: BJ000841.D
Acq: 27 Apr 2012 23:25

Instrument :
BNA_J
ClientSampleId :
PB62635BS

Tgt Ion	Ratio	Lower	Upper
159	100		
174	30.0	28.0	68.0
108	4.3	0.0	28.5
50	7.2	0.0	36.1

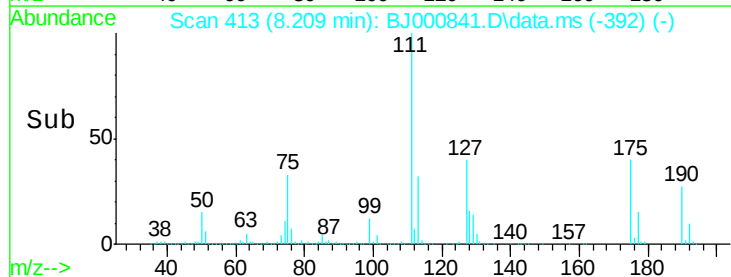
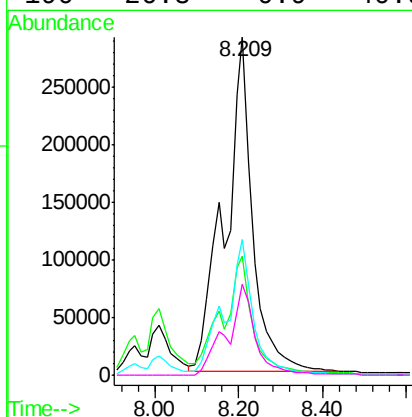
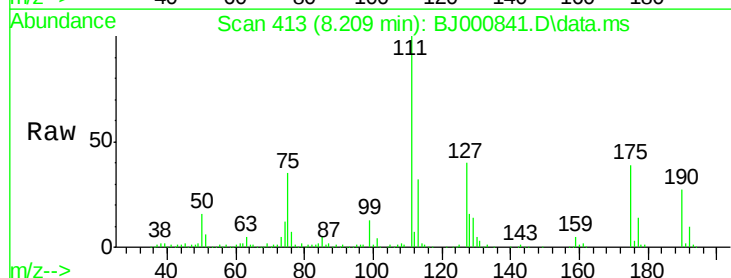
Manual Integrations
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AHPatel
5/3/2012 1:42:41 AM



#14
p-Chlorophenylmethylsulfone
Concen: 10.40 ug/mL
RT: 8.209 min Scan# 413
Delta R.T. -0.002 min
Lab File: BJ000841.D
Acq: 27 Apr 2012 23:25

Tgt Ion	Ratio	Lower	Upper
111	100		
75	35.3	18.5	58.5
127	40.1	19.3	59.3
190	26.8	0.9	40.9



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
 Data File : BJ000841.D
 Acq On : 27 Apr 2012 23:25
 Operator : HLM
 Sample : PB62635BS
 Misc : WATER BNA_J HLM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62635BS

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:42:41 AM

Quant Time: May 03 01:45:12 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Mon Apr 30 10:31:38 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	224520	2.00	ug/mL	-0.03
6) Naphthalene-d8	6.031	136	894421	2.00	ug/mL	-0.02
System Monitoring Compounds						
10) Tripropylphosphate	7.084	99	178515	0.59	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	118.00%	
12) 2-Bromothioanisole	7.341	204	300983	5.13	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	102.60%	
Target Compounds						Qvalue
2) Dimethyl Disulfide	2.786	94	357348	4.32	ug/mL	79
3) DMMP	3.640	79	109492	1.56	ug/mL	89
4) DIMP	5.035	97	373733	1.89	ug/mL	94
5) 1,4-Oxathiane	3.754	46	364396	4.58	ug/mL#	75
7) 1,4-Dithiane	5.177	46	273846	4.64	ug/mL	90
8) Thiodiglycol	5.946	61	2442131m	41.08	ug/mL	
9) Benzothiazole	6.330	135	2350299	10.56	ug/mL	97
11) p-Chlorophenylmethyisu...	6.572	158	1523067	9.89	ug/mL	98
13) p-Chlorophenylmethyisu...	8.010	159	1143087m	13.30	ug/mL	
14) p-Chlorophenylmethyisu...	8.209	111	1317170	10.40	ug/mL	95

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