

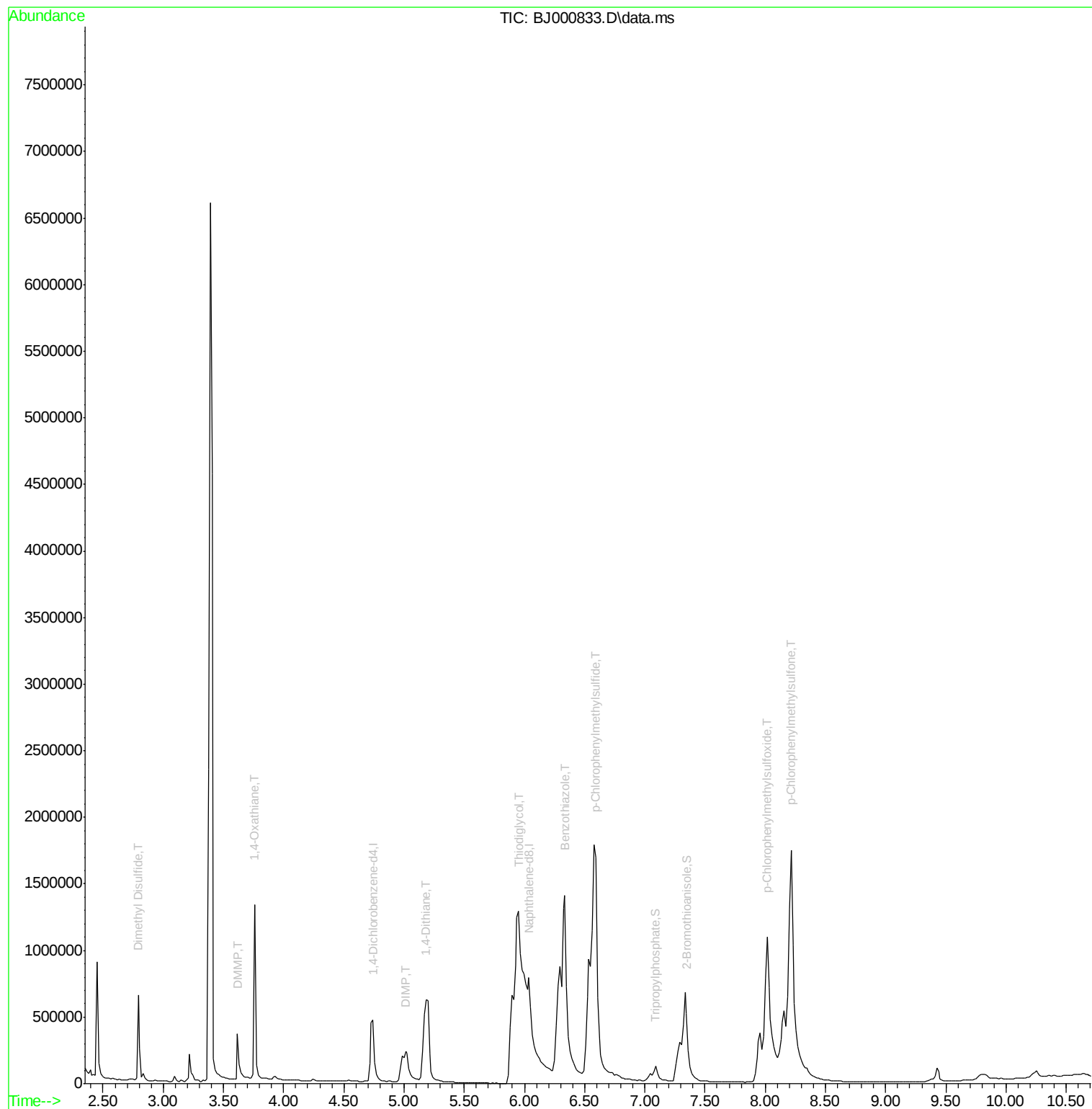
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
Data File : BJ000833.D
Acq On : 27 Apr 2012 21:01
Operator : HLM
Sample : PB62691BSD
Misc : WATER BNA_J HLM
ALS Vial : 12 Sample Multiplier: 1

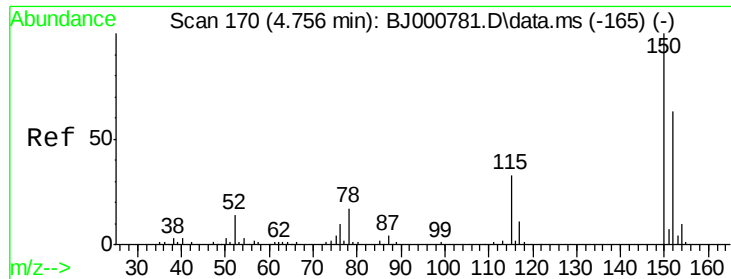
Instrument :
BNA_J
ClientSampleId :
PB62691BSD

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:40 AM

Quant Time: May 03 01:44:30 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: 4.742 min Scan# 16

Delta R.T. -0.011 min

Lab File: BJ000833.D

Acq: 27 Apr 2012 21:01

Instrument :

BNA_J

ClientSampleId :

PB62691BSD

Tgt Ion:152 Resp: 217768

Ion Ratio Lower Upper

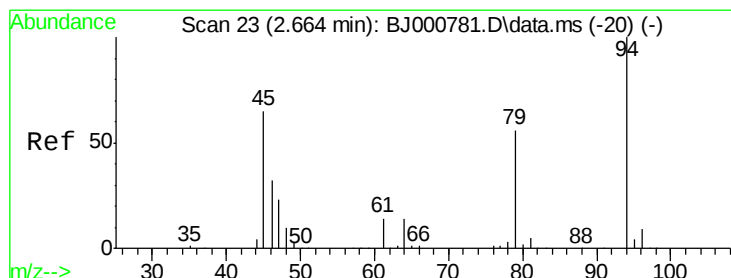
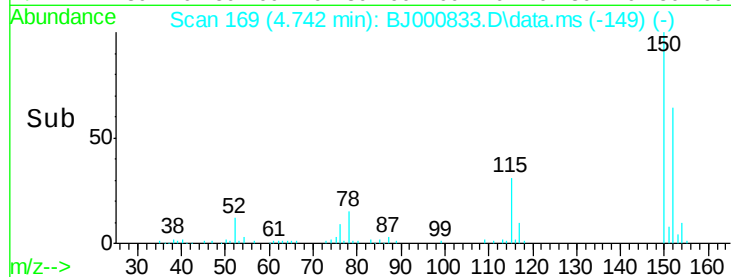
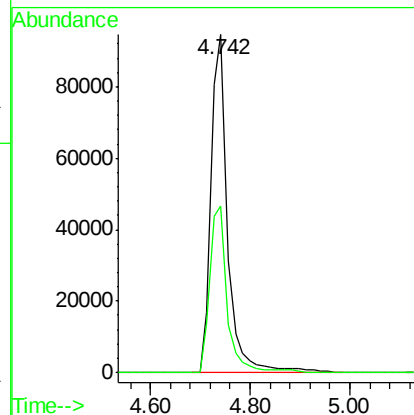
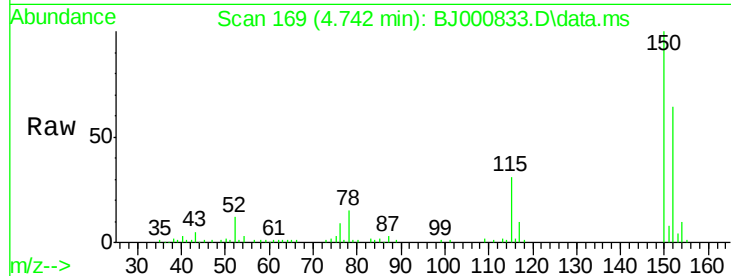
152 100

115 49.3 25.8 65.8

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 2.86 ug/mL m

RT: 2.792 min Scan# 32

Delta R.T. 0.132 min

Lab File: BJ000833.D

Acq: 27 Apr 2012 21:01

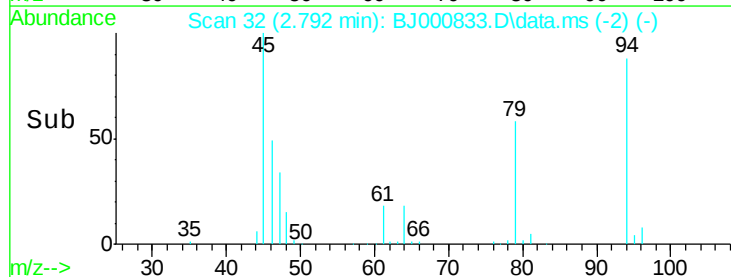
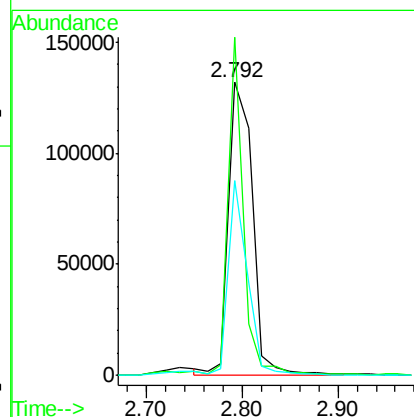
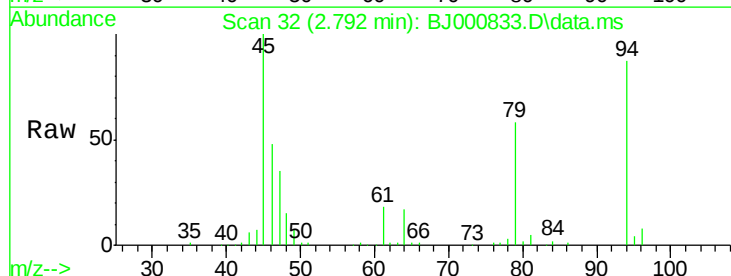
Tgt Ion: 94 Resp: 229167

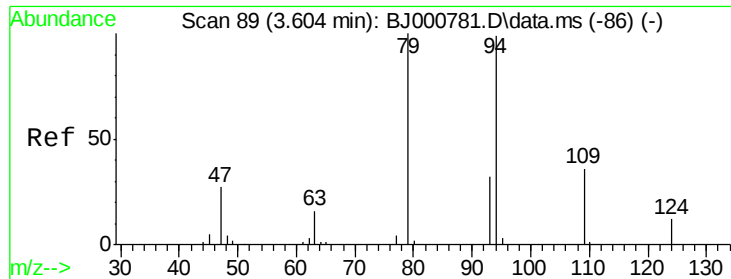
Ion Ratio Lower Upper

94 100

45 115.3 7.2 47.2#

79 66.4 21.6 61.6#





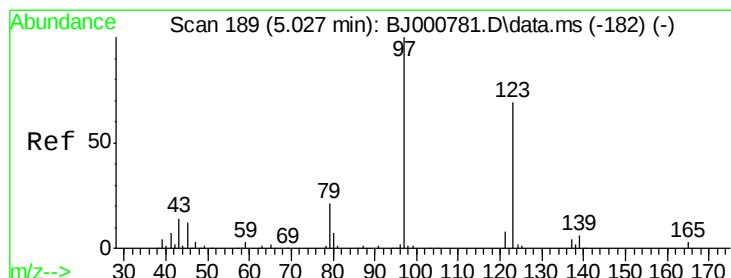
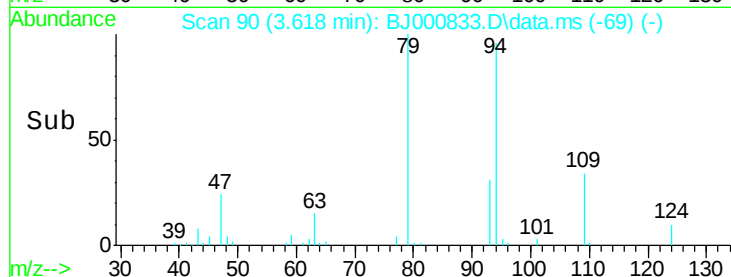
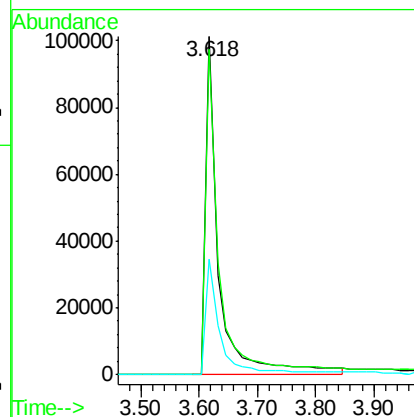
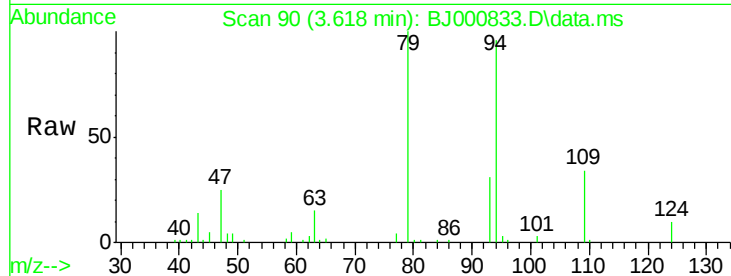
#3
DMMP
Concen: 2.29 ug/mL
RT: 3.618 min Scan# 90
Delta R.T. 0.004 min
Lab File: BJ000833.D
Acq: 27 Apr 2012 21:01

Instrument :
BNA_J
ClientSampleId :
PB62691BSD

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	159906		
94	96.2	80.8	120.8	
109	34.0	17.5	57.5	

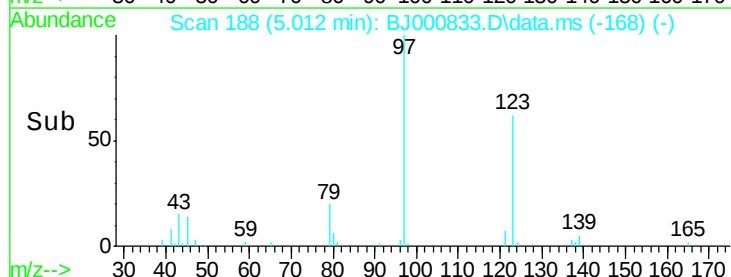
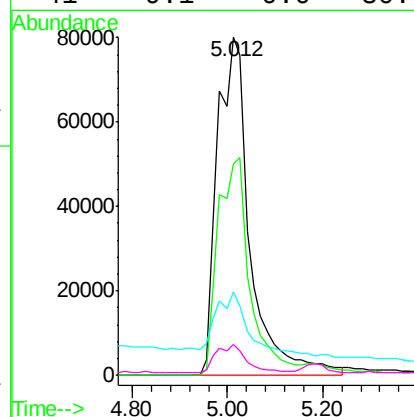
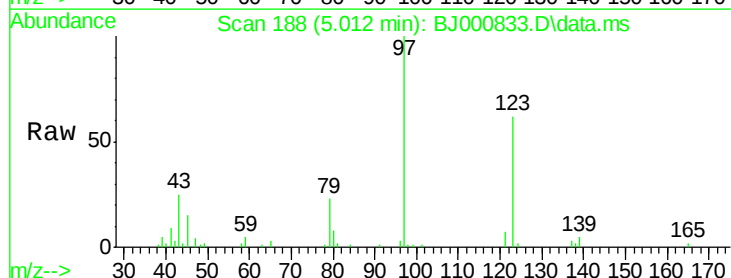
Manual Integrations
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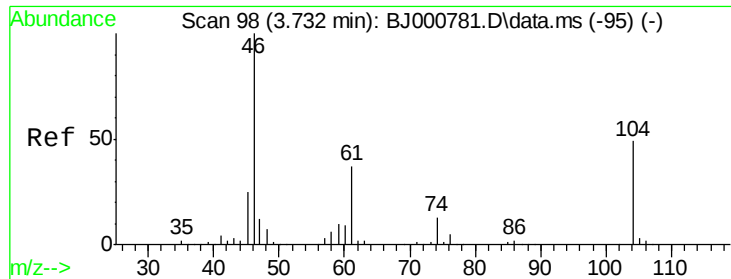
AHPatel
5/3/2012 1:42:40 AM



#4
DIMP
Concen: 1.98 ug/mL
RT: 5.012 min Scan# 188
Delta R.T. -0.011 min
Lab File: BJ000833.D
Acq: 27 Apr 2012 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	380278		
123	62.4	39.1	79.1	
43	24.6	0.9	40.9	
41	9.1	0.0	30.0	





#5

1,4-Oxathiane

Concen: 4.98 ug/mL

RT: 3.760 min Scan# 10

Delta R.T. 0.032 min

Lab File: BJ000833.D

Acq: 27 Apr 2012 21:01

Instrument :

BNA_J

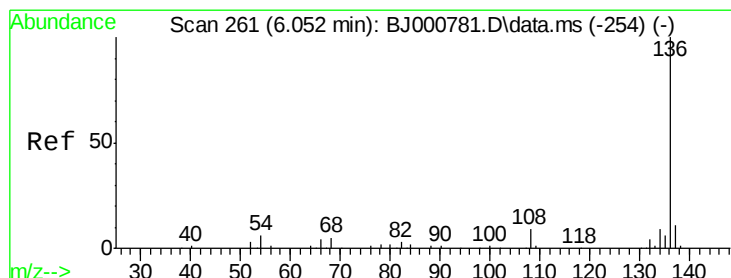
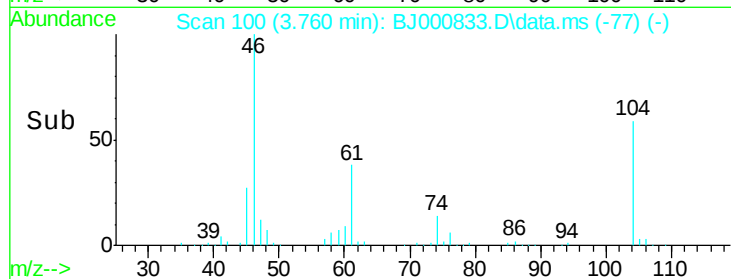
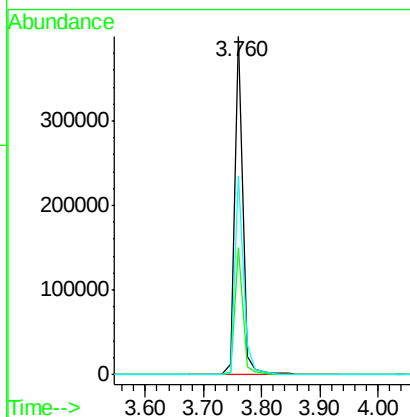
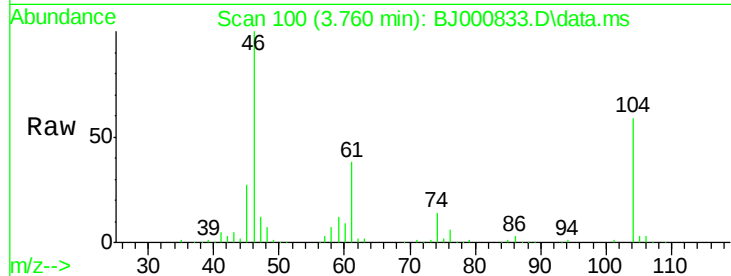
ClientSampleId :

PB62691BSD

Tgt Ion	Ratio	Lower	Upper
46	100		
61	37.6	22.0	62.0
104	58.8	73.6	113.6

Manual Integrations
APPROVED

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5/3/2012 1:42:40 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

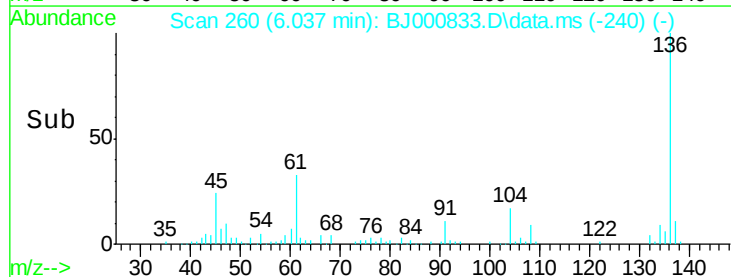
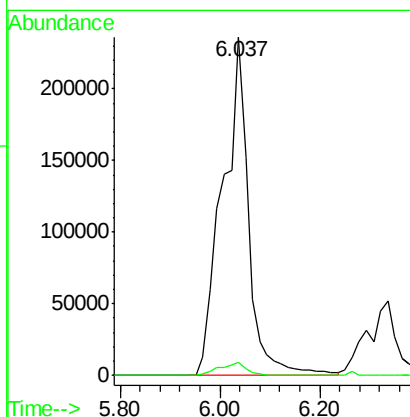
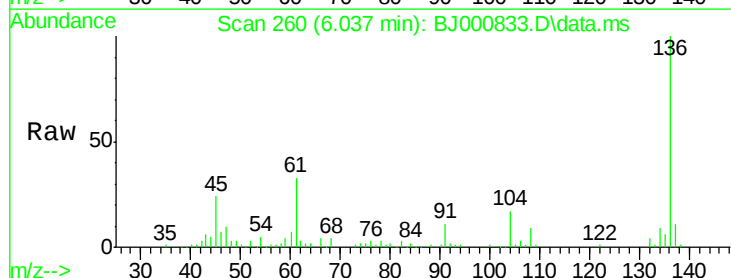
RT: 6.037 min Scan# 260

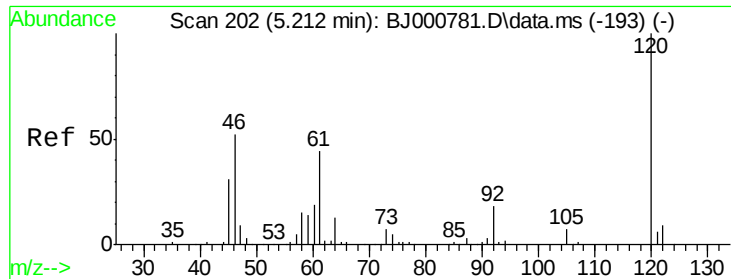
Delta R.T. -0.011 min

Lab File: BJ000833.D

Acq: 27 Apr 2012 21:01

Tgt Ion	Ratio	Lower	Upper
136	100		
68	4.0	0.0	23.1





#7

1,4-Dithiane

Concen: 5.10 ug/mL

RT: 5.183 min Scan# 20

Delta R.T. -0.011 min

Lab File: BJ000833.D

Acq: 27 Apr 2012 21:01

Instrument :

BNA_J

ClientSampleId :

PB62691BSD

Tgt Ion: 46 Resp: 286675

Ion Ratio Lower Upper

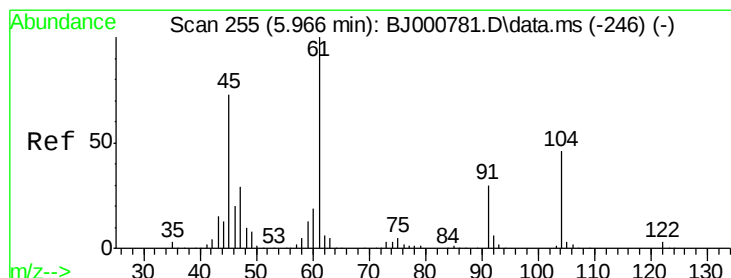
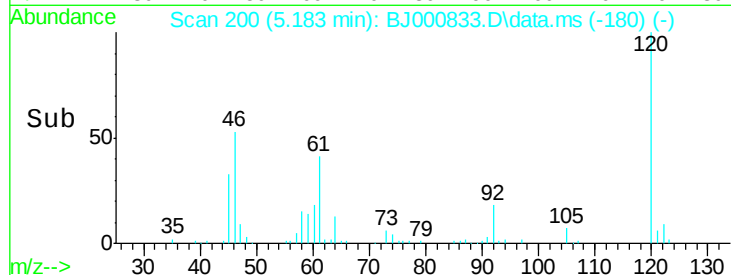
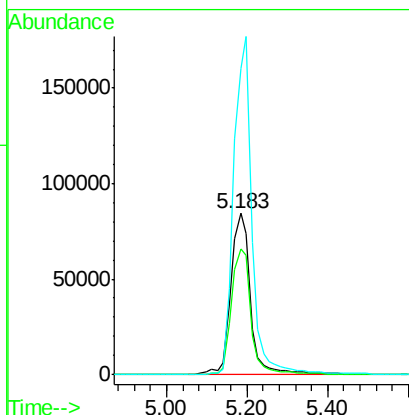
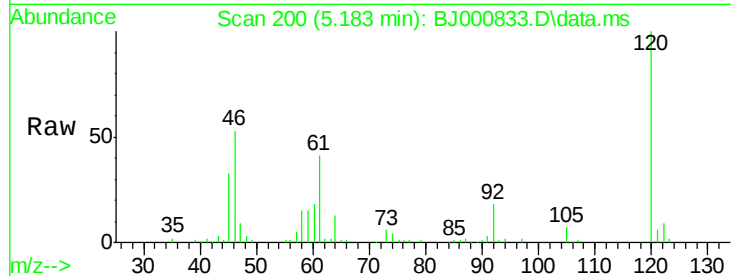
46 100

61 78.0 56.7 96.7

120 190.2 148.6 188.6#

Manual Integrations
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5/3/2012 1:42:40 AM



#8

Thiodiglycol

Concen: 41.26 ug/mL m

RT: 5.952 min Scan# 254

Delta R.T. -0.011 min

Lab File: BJ000833.D

Acq: 27 Apr 2012 21:01

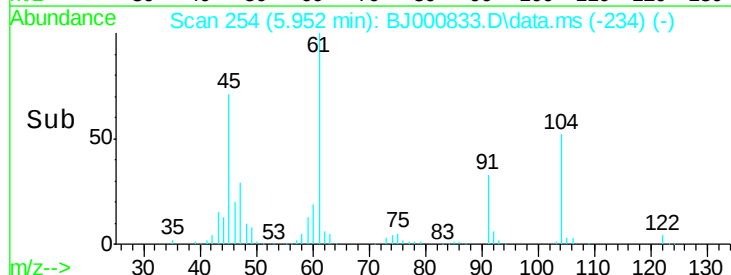
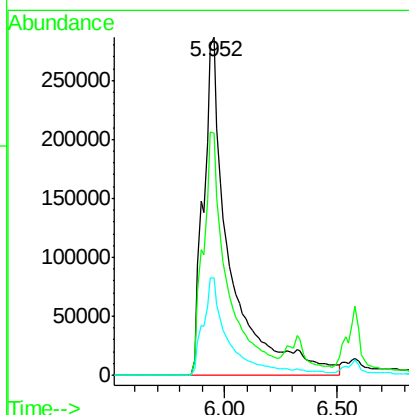
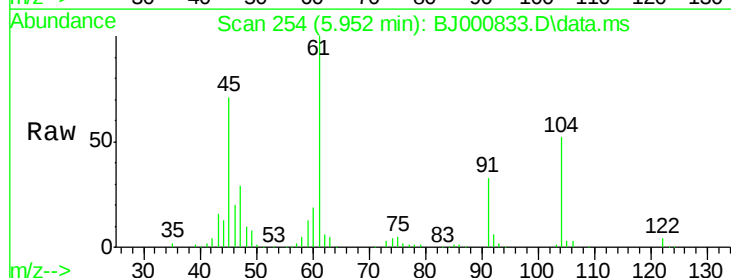
Tgt Ion: 61 Resp: 2332127

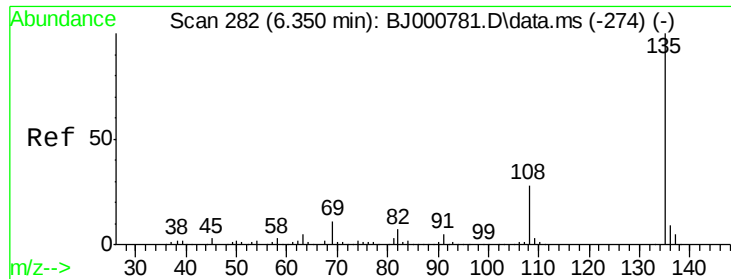
Ion Ratio Lower Upper

61 100

45 71.5 56.4 96.4

47 28.7 10.1 50.1





#9

Benzothiazole

Concen: 11.66 ug/mL

RT: 6.336 min Scan# 28

Delta R.T. -0.011 min

Lab File: BJ000833.D

Acq: 27 Apr 2012 21:01

Instrument :

BNA_J

ClientSampleID :

PB62691BSD

Tgt Ion:135 Resp: 2466536

Ion Ratio Lower Upper

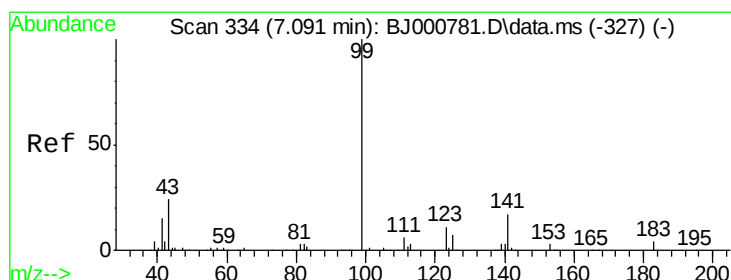
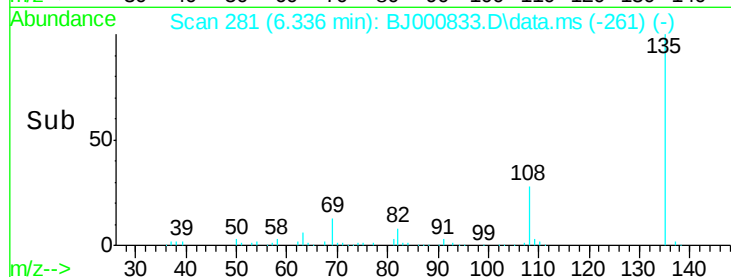
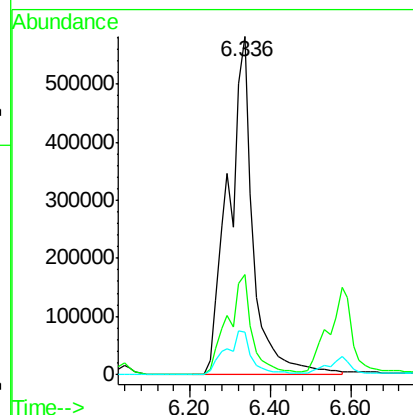
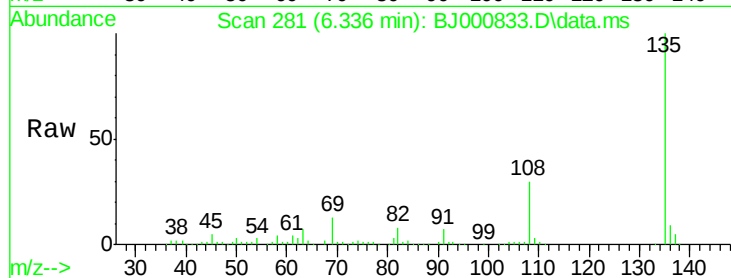
135 100

108 29.6 7.0 47.0

69 12.7 0.0 30.4

Manual Integrations
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AHPatel
5/3/2012 1:42:40 AM



#10

Tripropylphosphate

Concen: 0.61 ug/mL

RT: 7.090 min Scan# 334

Delta R.T. 0.004 min

Lab File: BJ000833.D

Acq: 27 Apr 2012 21:01

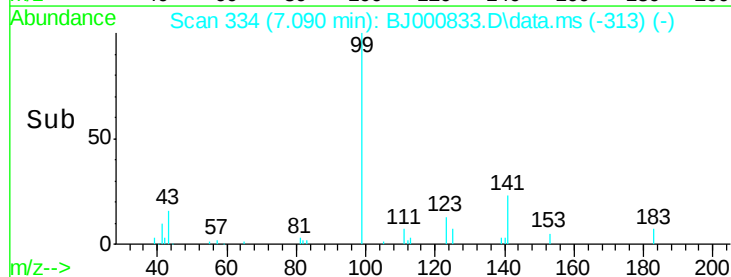
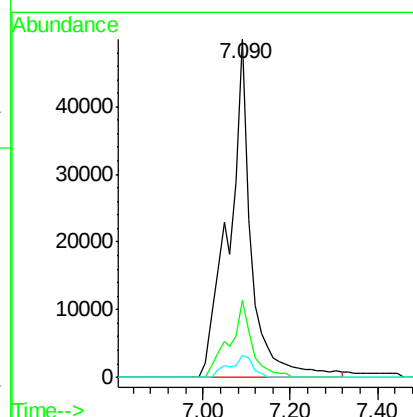
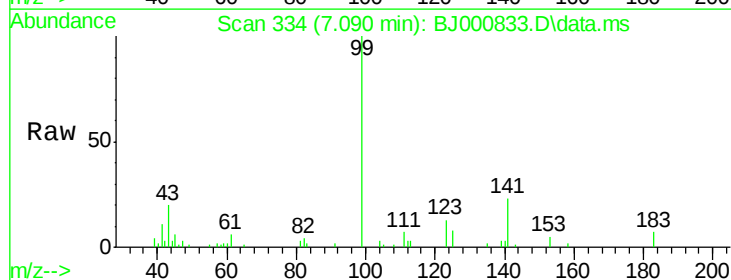
Tgt Ion: 99 Resp: 178055

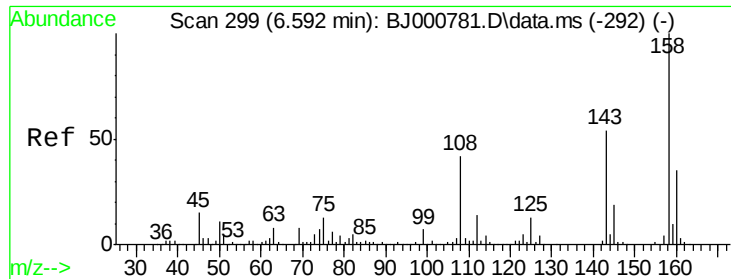
Ion Ratio Lower Upper

99 100

141 22.5 18.7 28.1

183 6.6 6.2 9.2





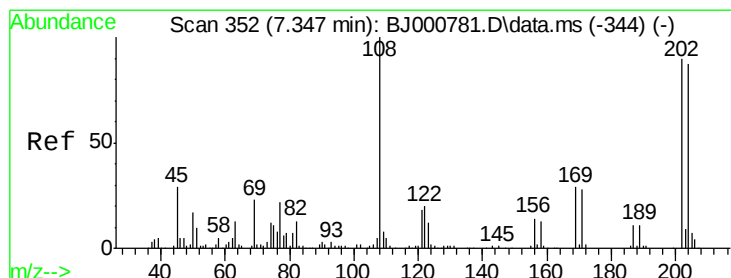
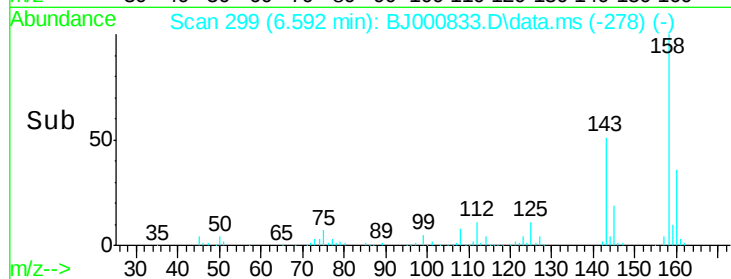
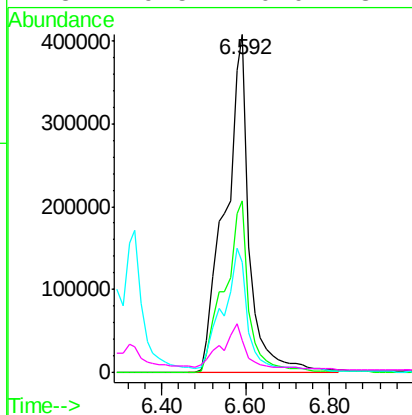
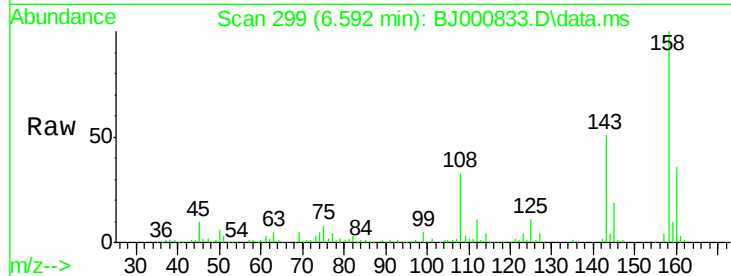
#11
p-Chlorophenylmethylsulfide
Concen: 11.13 ug/mL
RT: 6.592 min Scan# 299
Delta R.T. 0.004 min
Lab File: BJ000833.D
Acq: 27 Apr 2012 21:01

Instrument :
BNA_J
ClientSampleId :
PB62691BSD

Tgt Ion:	158	Resp:	1629151
Ion Ratio		Lower	Upper
158	100		
143	50.6	32.7	72.7
108	32.6	18.7	58.7
45	9.5	0.0	31.9

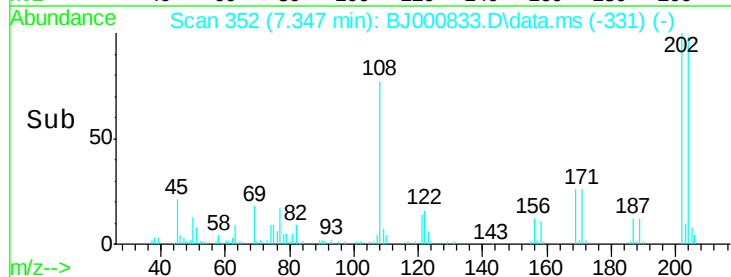
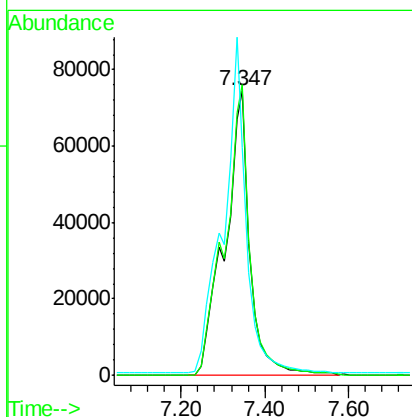
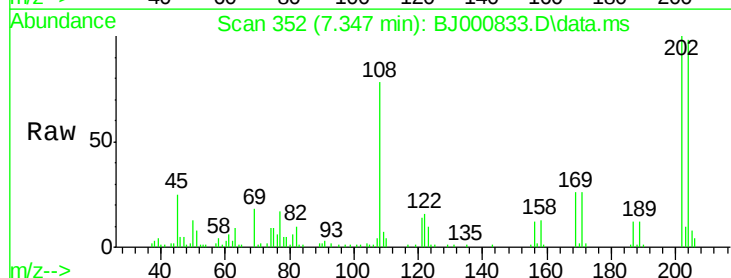
Manual Integrations
APPROVED

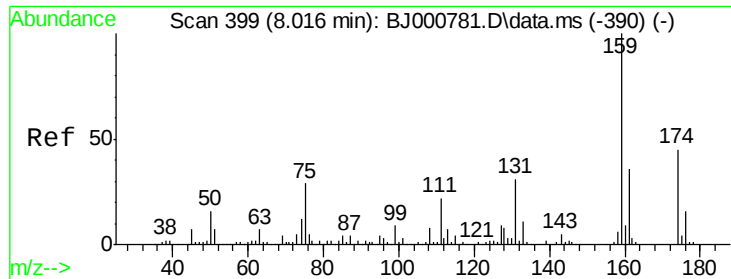
AHPatel
5/3/2012 1:42:40 AM



#12
2-Bromothioanisole
Concen: 5.56 ug/mL
RT: 7.347 min Scan# 352
Delta R.T. 0.004 min
Lab File: BJ000833.D
Acq: 27 Apr 2012 21:01

Tgt Ion:	204	Resp:	310234
Ion Ratio		Lower	Upper
204	100		
202	102.4	82.9	122.9
108	79.9	70.0	110.0





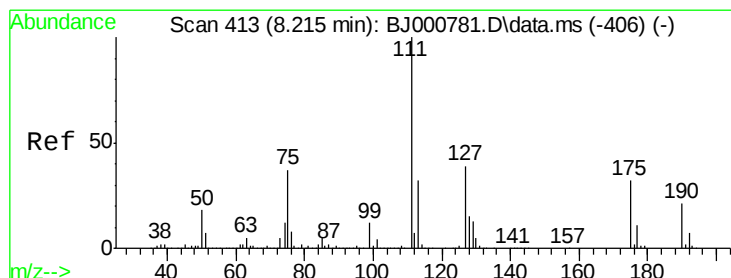
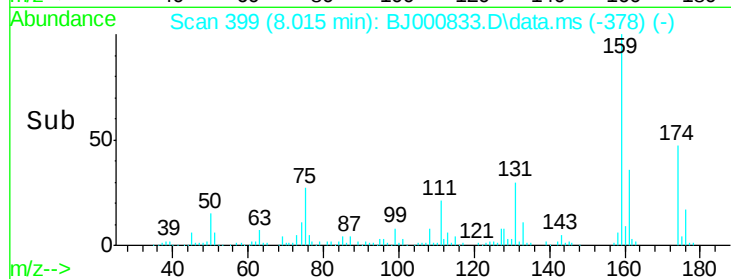
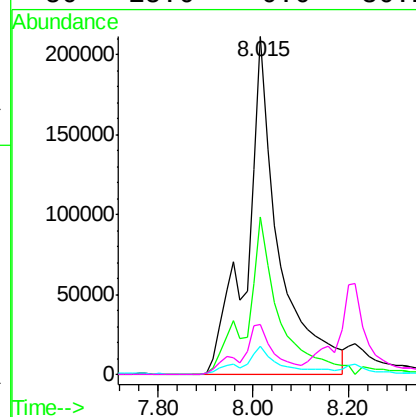
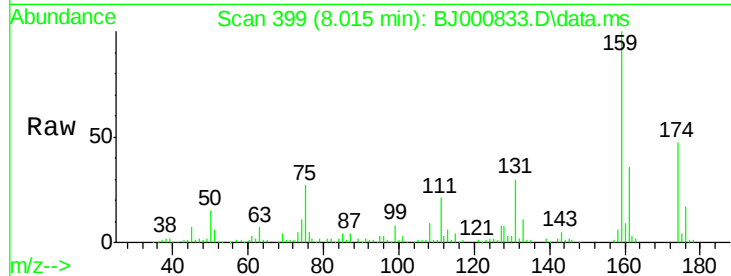
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.05 ug/mL
RT: 8.015 min Scan# 39
Delta R.T. 0.004 min
Lab File: BJ000833.D
Acq: 27 Apr 2012 21:01

Instrument :
BNA_J
ClientSampleId :
PB62691BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
159	100		
174	47.0	28.0	68.0
108	9.0	0.0	28.5
50	15.6	0.0	36.1

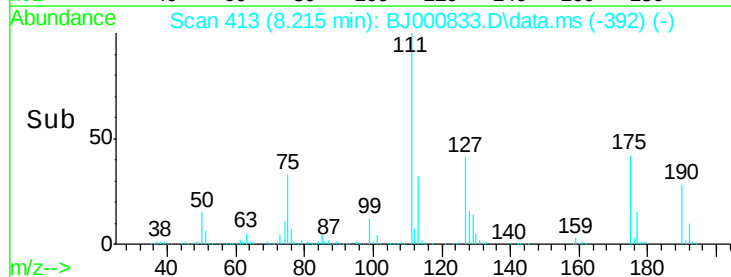
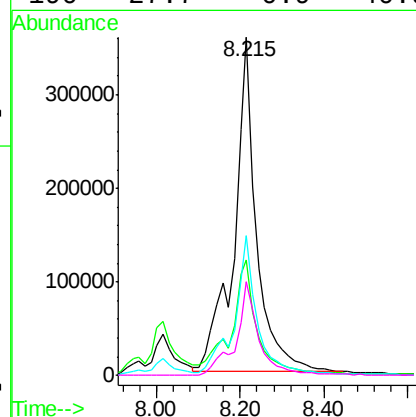
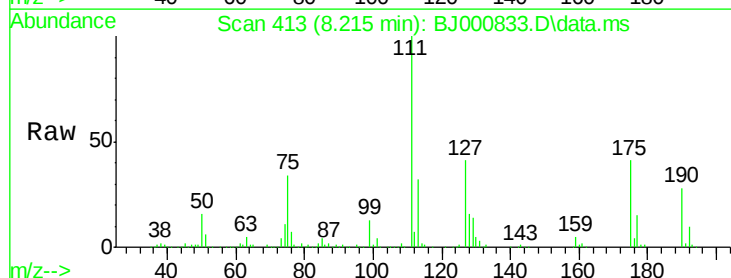
Manual Integrations
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5/3/2012 1:42:40 AM



#14
p-Chlorophenylmethylsulfone
Concen: 11.04 ug/mL
RT: 8.215 min Scan# 413
Delta R.T. 0.004 min
Lab File: BJ000833.D
Acq: 27 Apr 2012 21:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
111	100		
75	34.2	18.5	58.5
127	41.2	19.3	59.3
190	27.7	0.9	40.9



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
 Data File : BJ000833.D
 Acq On : 27 Apr 2012 21:01
 Operator : HLM
 Sample : PB62691BSD
 Misc : WATER BNA_J HLM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62691BSD

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:42:40 AM

Quant Time: May 03 01:44:30 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	4.742	152	217768	2.00	ug/mL	-0.01
6) Naphthalene-d8	6.037	136	850196	2.00	ug/mL	-0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.090	99	178055	0.61	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	122.00%	
12) 2-Bromothioanisole	7.347	204	310234	5.56	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	111.20%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.792	94	229167m	2.86	ug/mL	
3) DMMP	3.618	79	159906	2.29	ug/mL	95
4) DIMP	5.012	97	380278	1.98	ug/mL	95
5) 1,4-Oxathiane	3.760	46	384974	4.98	ug/mL#	73
7) 1,4-Dithiane	5.183	46	286675	5.10	ug/mL#	89
8) Thiodiglycol	5.952	61	2332127m	41.26	ug/mL	
9) Benzothiazole	6.336	135	2466536	11.66	ug/mL	95
11) p-Chlorophenylmethyisu...	6.592	158	1629151	11.13	ug/mL	94
13) p-Chlorophenylmethyisu...	8.015	159	984280	12.05	ug/mL	99
14) p-Chlorophenylmethyisu...	8.215	111	1329395	11.04	ug/mL	93

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