

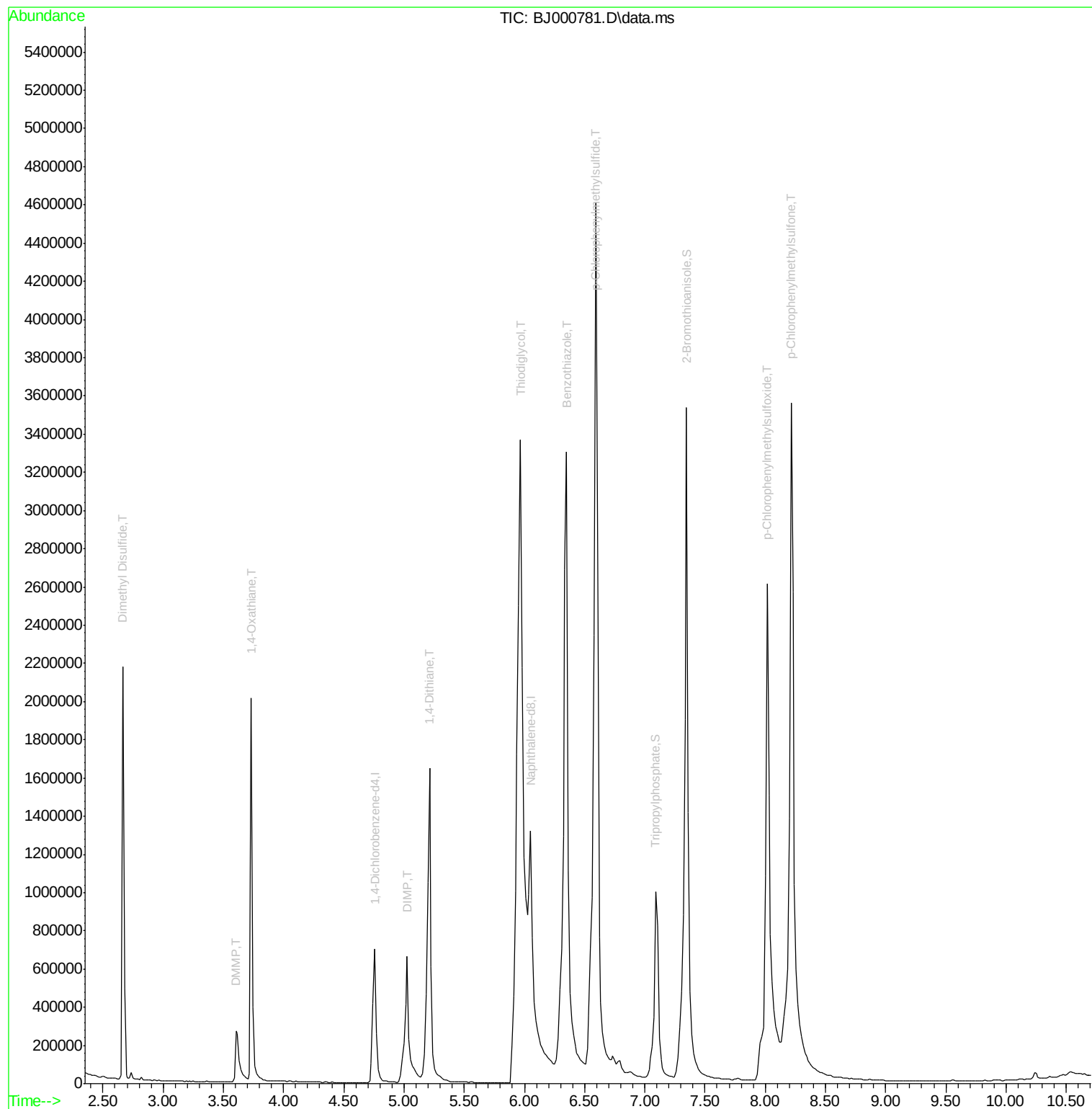
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
Data File : BJ000781.D
Acq On : 26 Apr 2012 14:10
Operator : HLM
Sample : CWA-4
Misc : STD BNA_J HLM
ALS Vial : 5 Sample Multiplier: 1

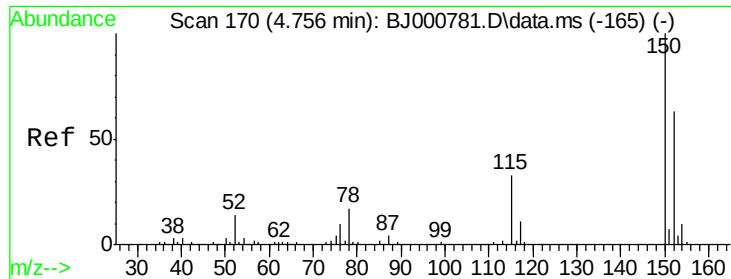
Instrument :
BNA_J
ClientSampleId :
CWA-4

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:29 AM

Quant Time: May 02 05:34:49 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Thu Apr 26 16:03:58 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.756 min Scan# 17

Delta R.T. 0.006 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

Instrument :

BNA_J

ClientSampleId :

CWA-4

Tgt Ion:152 Resp: 283372

Ion Ratio Lower Upper

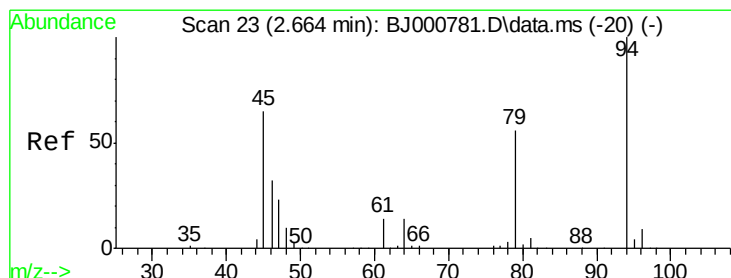
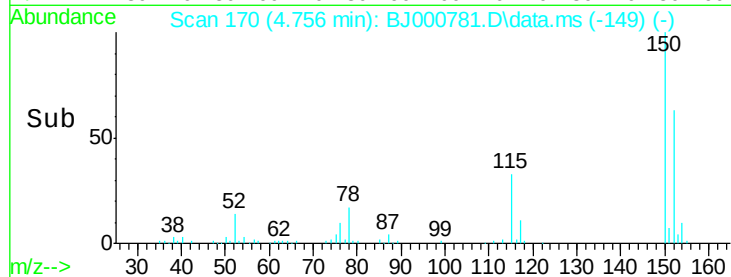
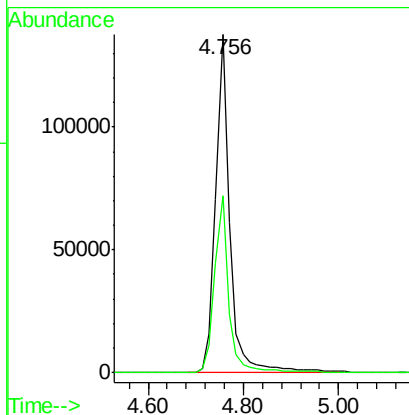
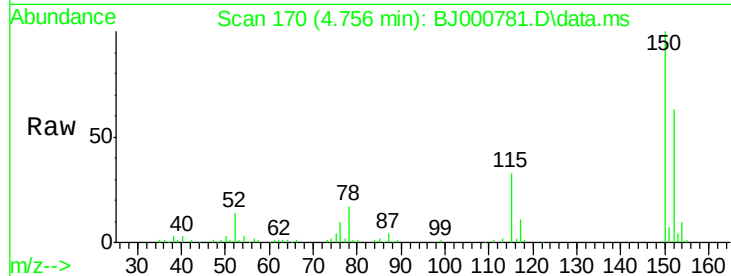
152 100

115 52.1 36.9 76.9

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 6.73 ug/mL

RT: 2.664 min Scan# 23

Delta R.T. -0.009 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

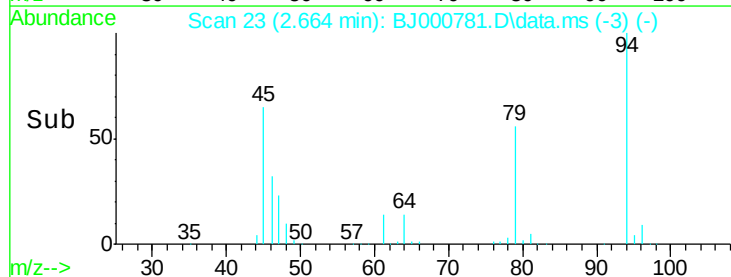
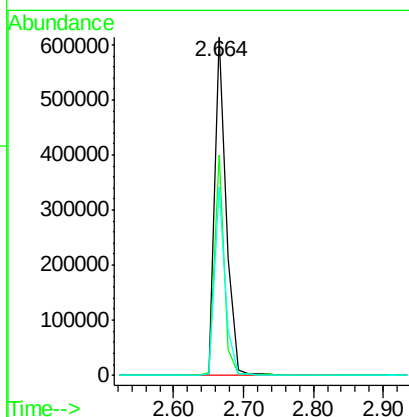
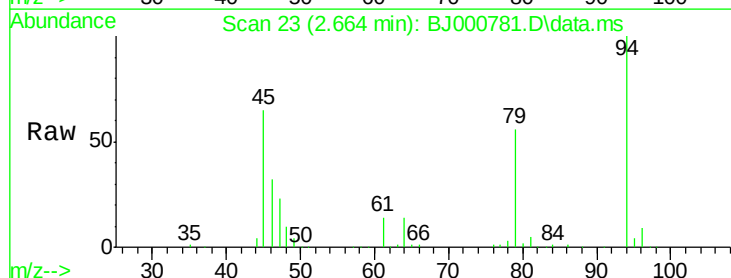
Tgt Ion: 94 Resp: 725244

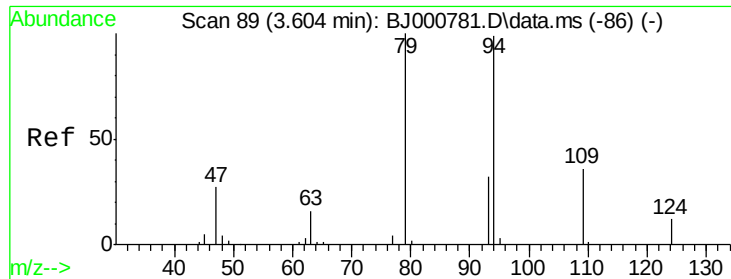
Ion Ratio Lower Upper

94 100

45 65.2 72.8 112.8#

79 55.9 43.9 83.9





#3

DMMP

Concen: 3.08 ug/mL

RT: 3.604 min Scan# 89

Delta R.T. -0.009 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

Instrument :

BNA_J

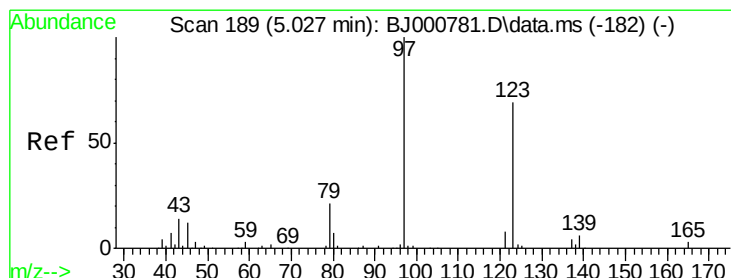
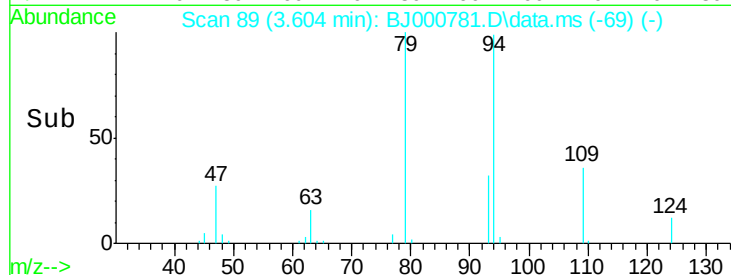
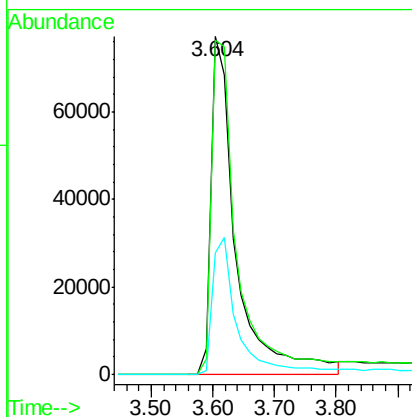
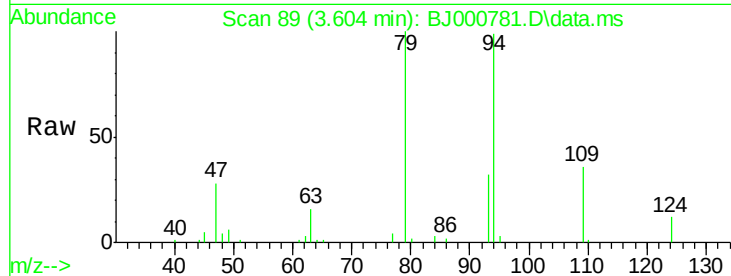
ClientSampleId :

CWA-4

Tgt Ion:	79	Resp:	217319
Ion Ratio	Lower	Upper	
79	100		
94	99.0	81.5	121.5
109	35.9	18.2	58.2

Manual Integrations
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#4

DIMP

Concen: 3.02 ug/mL

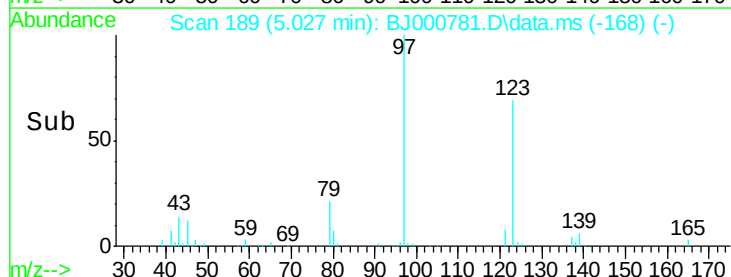
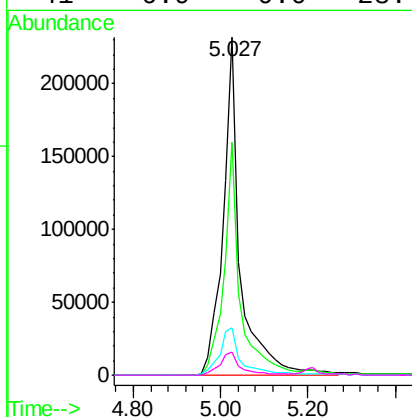
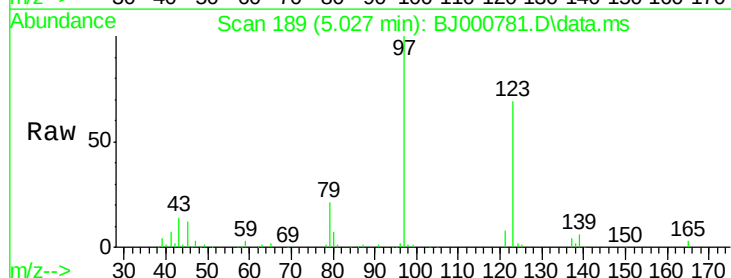
RT: 5.027 min Scan# 189

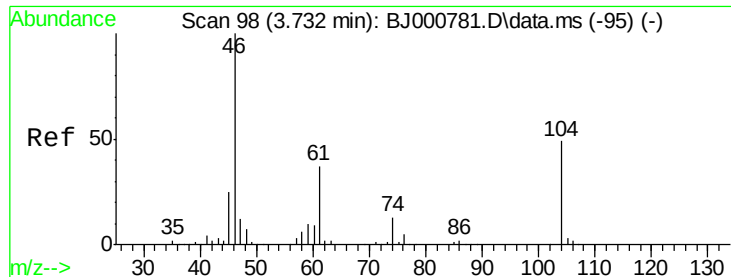
Delta R.T. 0.006 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

Tgt Ion:	97	Resp:	638389
Ion Ratio	Lower	Upper	
97	100		
123	68.8	40.6	80.6
43	14.0	0.0	37.6
41	6.9	0.0	28.4





#5

1,4-Oxathiane

Concen: 6.85 ug/mL

RT: 3.732 min Scan# 98

Delta R.T. 0.006 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

Instrument :

BNA_J

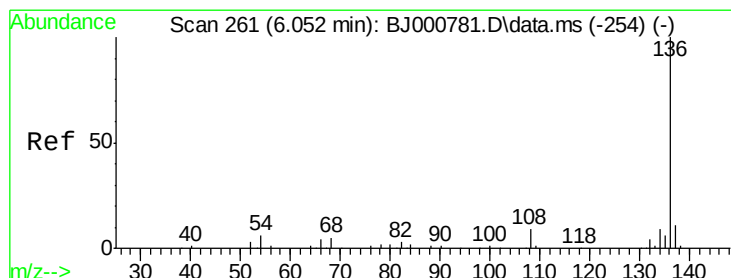
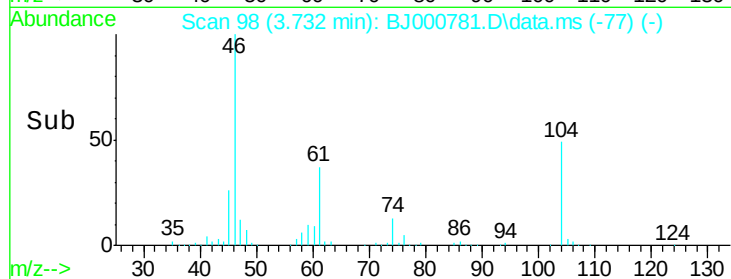
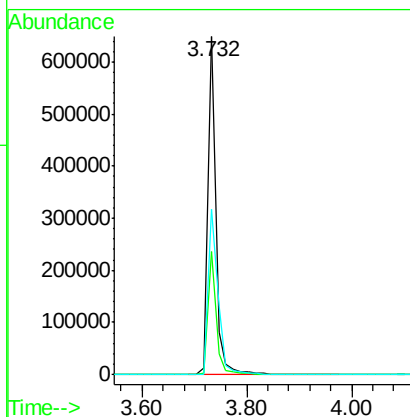
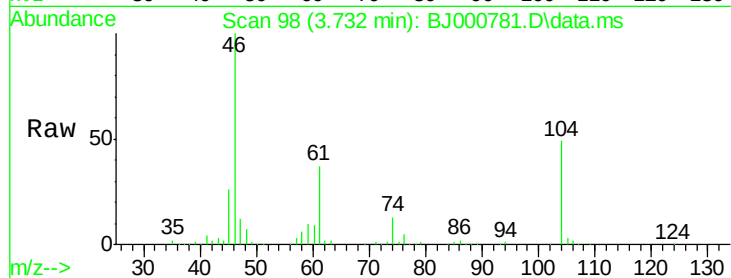
ClientSampleId :

CWA-4

Tgt Ion:	46	Resp:	676795
Ion Ratio	Lower	Upper	
46	100		
61	36.5	14.6	54.6
104	48.8	13.7	53.7

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

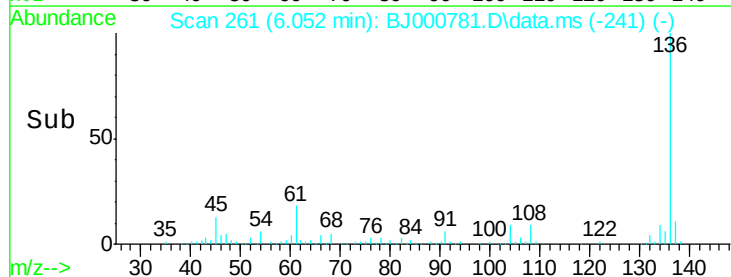
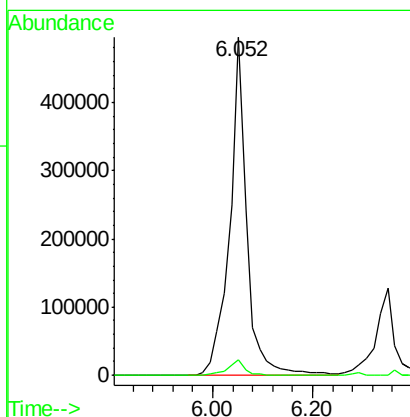
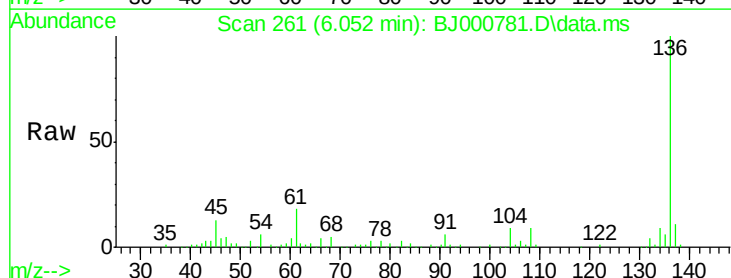
RT: 6.052 min Scan# 261

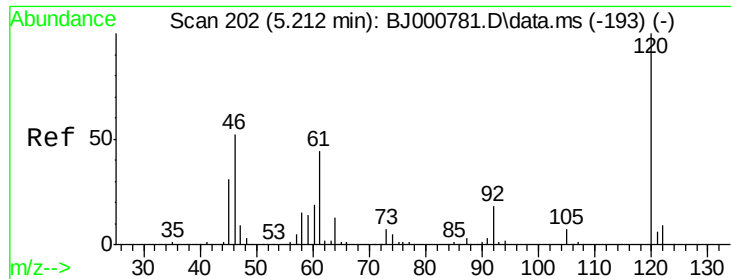
Delta R.T. -0.009 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

Tgt Ion:	136	Resp:	1181550
Ion Ratio	Lower	Upper	
136	100		
68	4.5	0.0	23.7





#7

1,4-Dithiane

Concen: 6.36 ug/mL

RT: 5.212 min Scan# 20

Delta R.T. 0.006 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

Instrument :

BNA_J

ClientSampleId :

CWA-4

Tgt Ion: 46 Resp: 512840
Ion Ratio Lower Upper

46 100

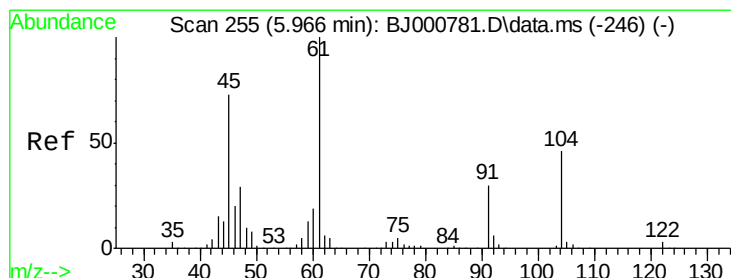
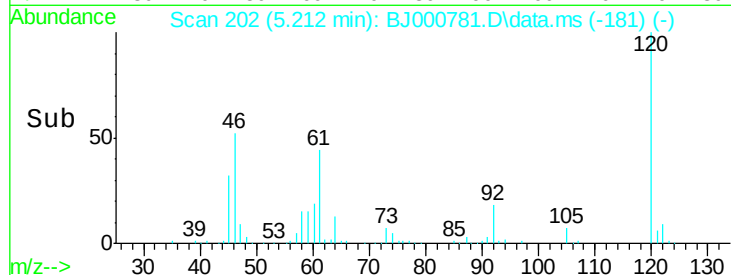
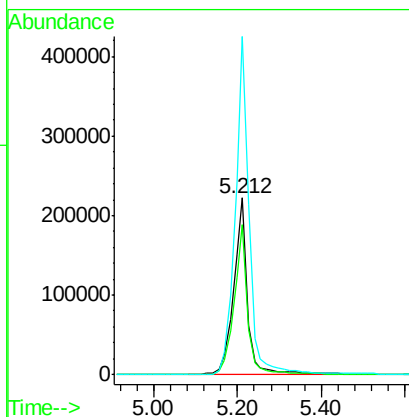
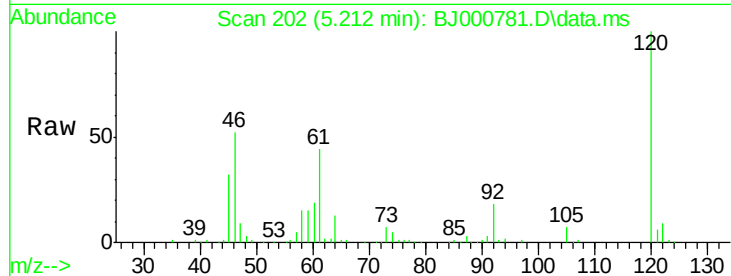
61 84.9 62.3 102.3

120 191.9 149.0 189.0#

Manual Integrations
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#8

Thiodiglycol

Concen: 56.49 ug/mL m

RT: 5.966 min Scan# 255

Delta R.T. 0.020 min

Lab File: BJ000781.D

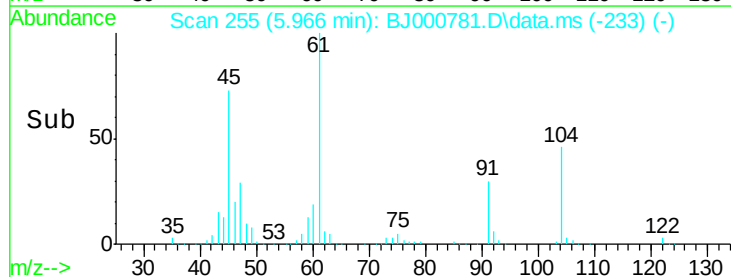
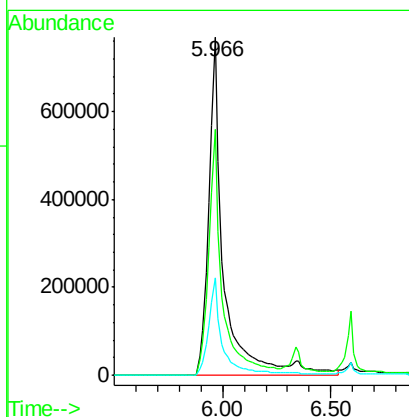
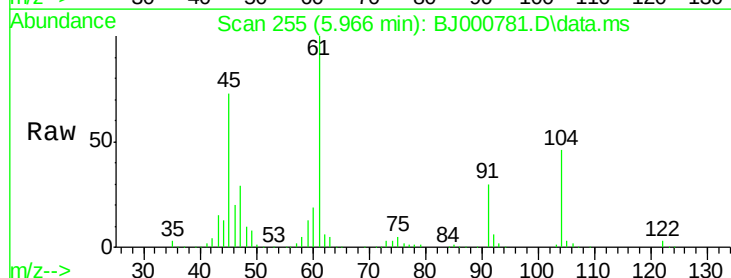
Acq: 26 Apr 2012 14:10

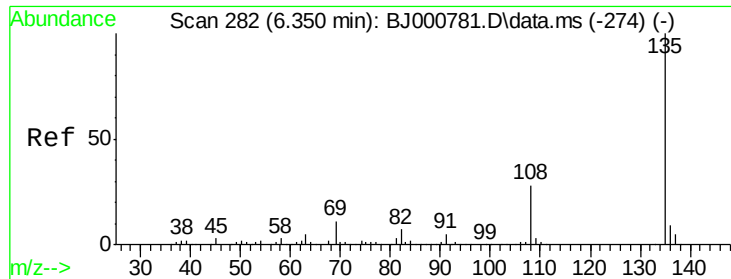
Tgt Ion: 61 Resp: 3682049
Ion Ratio Lower Upper

61 100

45 72.9 49.4 89.4

47 28.7 7.9 47.9





#9

Benzothiazole

Concen: 12.03 ug/mL

RT: 6.350 min Scan# 28

Delta R.T. 0.006 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

Instrument :

BNA_J

ClientSampleId :

CWA-4

Tgt Ion:135 Resp: 3891339

Ion Ratio Lower Upper

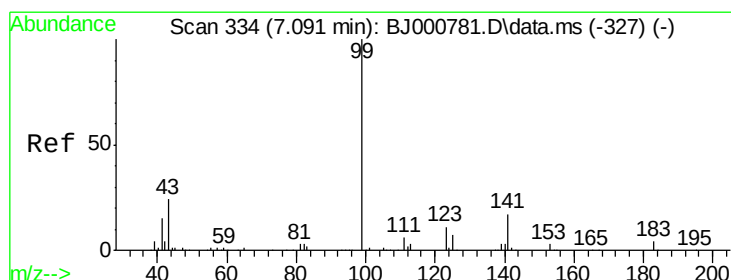
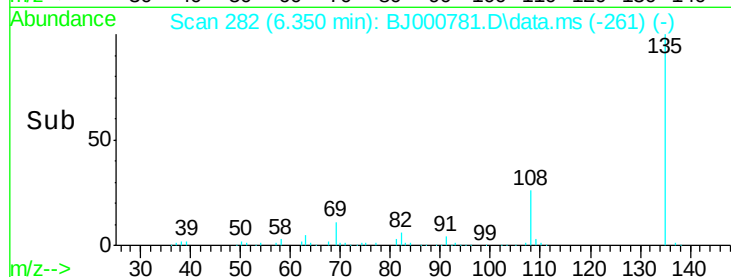
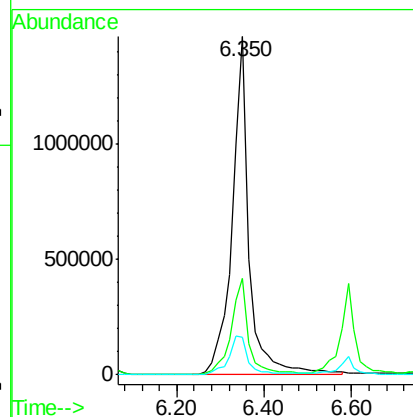
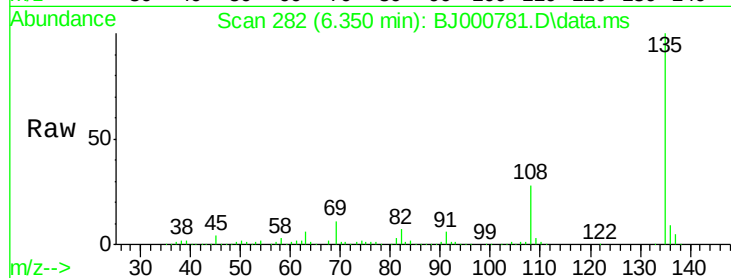
135 100

108 28.4 11.0 51.0

69 11.2 0.0 34.2

Manual Integrations
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#10

Tripropylphosphate

Concen: 2.57 ug/mL

RT: 7.091 min Scan# 334

Delta R.T. -0.009 min

Lab File: BJ000781.D

Acq: 26 Apr 2012 14:10

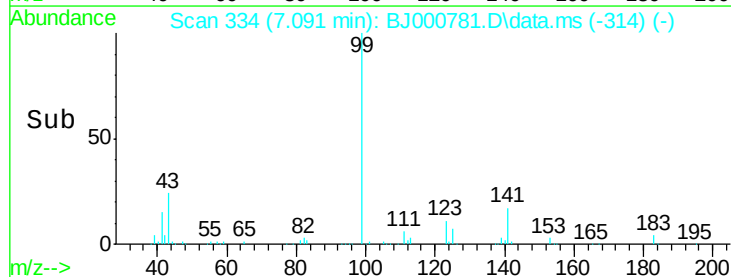
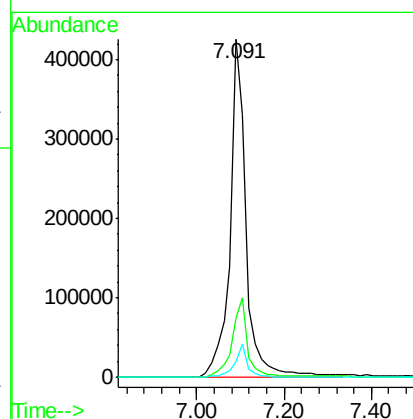
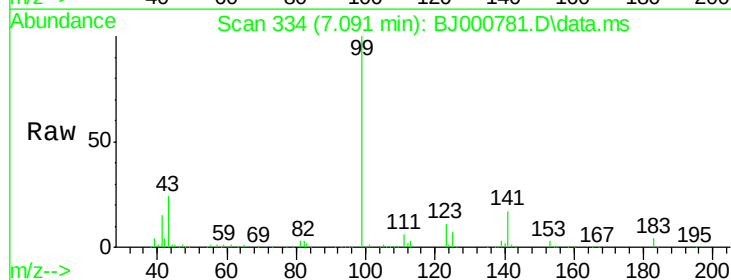
Tgt Ion: 99 Resp: 1076266

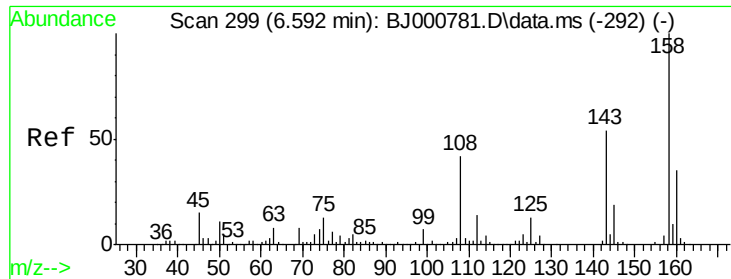
Ion Ratio Lower Upper

99 100

141 23.0 17.8 26.6

183 7.7 5.4 8.0





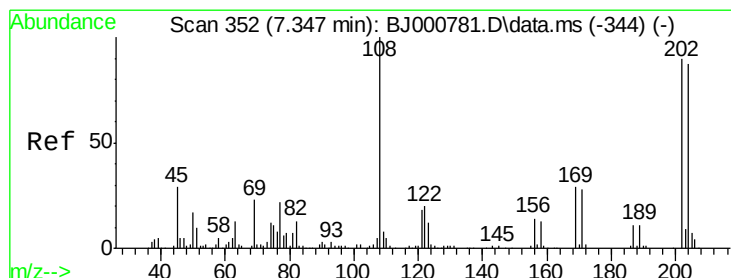
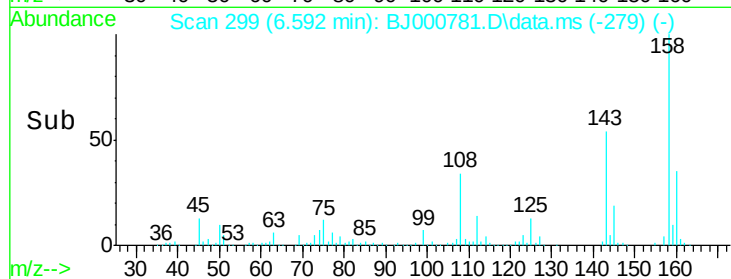
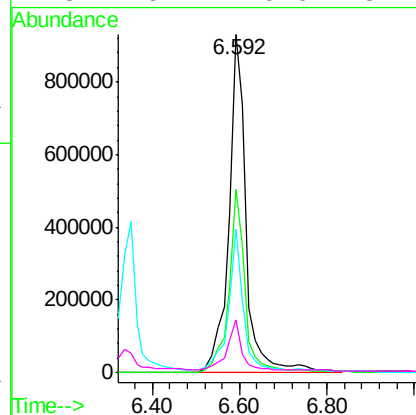
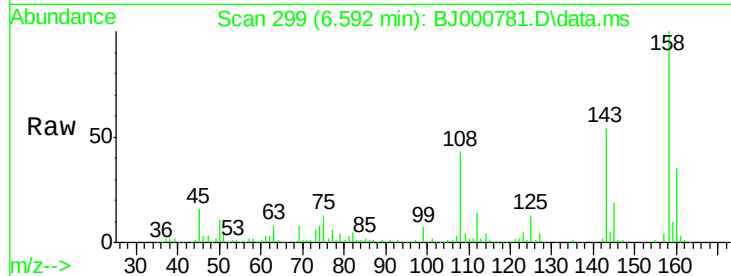
#11
p-Chlorophenylmethylsulfide
Concen: 11.58 ug/mL
RT: 6.592 min Scan# 299
Delta R.T. -0.009 min
Lab File: BJ000781.D
Acq: 26 Apr 2012 14:10

Instrument :
BNA_J
ClientSampleId :
CWA-4

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	2543933		
143	54.2		31.4	71.4
108	42.5		15.5	55.5
45	15.7		0.0	32.2

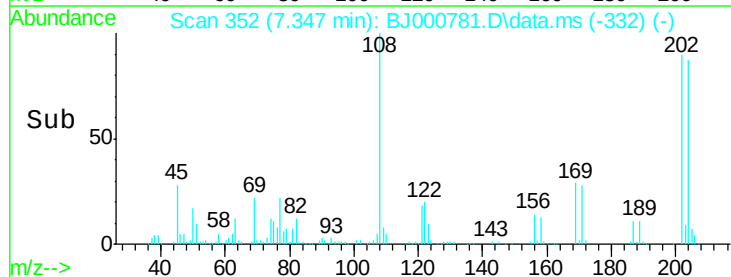
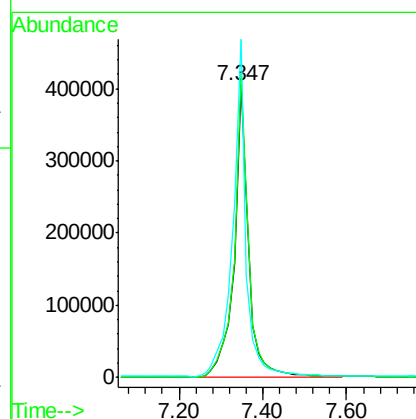
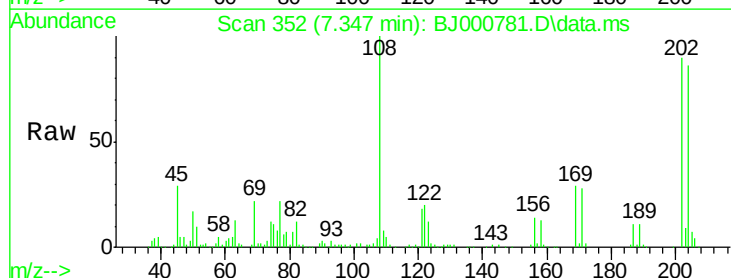
Manual Integrations
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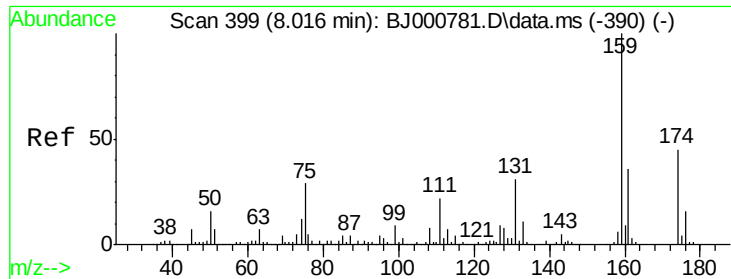
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#12
2-Bromothioanisole
Concen: 11.96 ug/mL
RT: 7.347 min Scan# 352
Delta R.T. -0.009 min
Lab File: BJ000781.D
Acq: 26 Apr 2012 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	981215		
202	103.9		82.9	122.9
108	115.8		57.9	97.9#





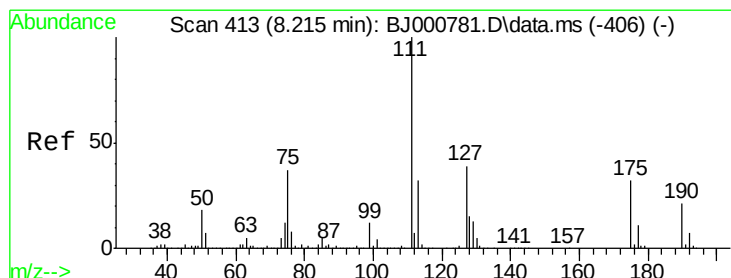
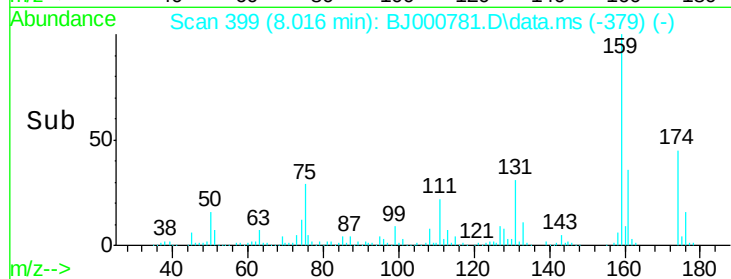
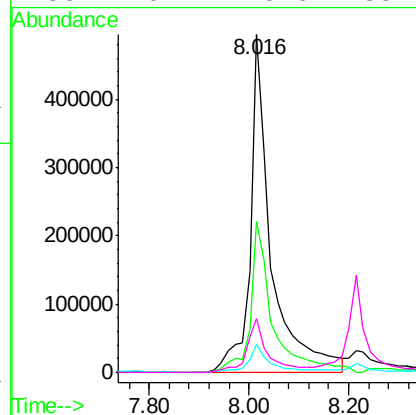
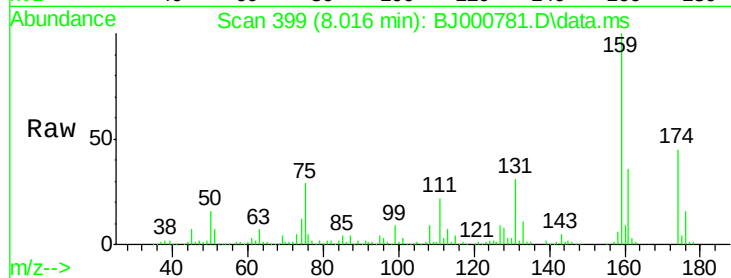
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.60 ug/mL
RT: 8.016 min Scan# 399
Delta R.T. -0.009 min
Lab File: BJ000781.D
Acq: 26 Apr 2012 14:10

Instrument :
BNA_J
ClientSampleId :
CWA-4

Tgt Ion	Ratio	Lower	Upper
159	100		
174	47.7	31.3	71.3
108	8.2	0.0	31.3
50	16.2	0.0	35.6

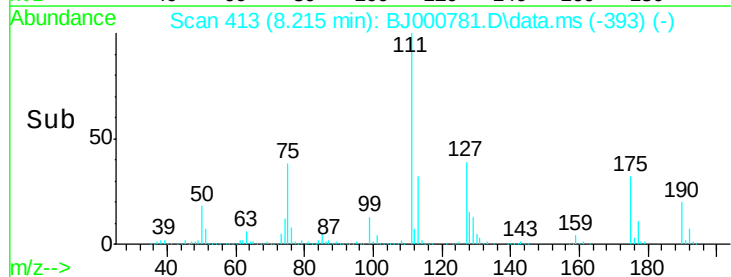
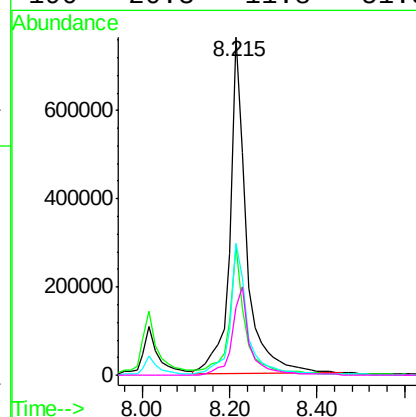
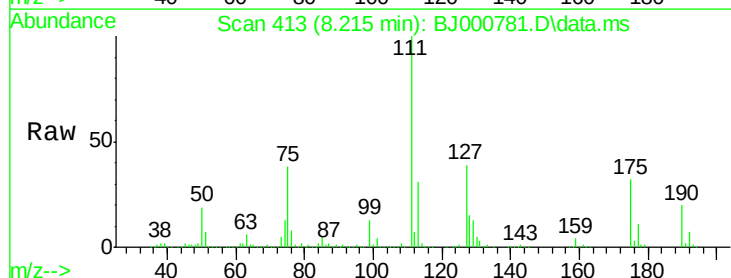
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 11.52 ug/mL
RT: 8.215 min Scan# 413
Delta R.T. -0.009 min
Lab File: BJ000781.D
Acq: 26 Apr 2012 14:10

Tgt Ion	Ratio	Lower	Upper
111	100		
75	38.3	14.1	54.1
127	39.0	21.7	61.7
190	20.3	11.8	51.8



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000781.D
 Acq On : 26 Apr 2012 14:10
 Operator : HLM
 Sample : CWA-4
 Misc : STD BNA_J HLM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-4

Manual Integrations
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 5/3/2012 1:41:29 AM

Quant Time: May 02 05:34:49 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Thu Apr 26 16:03:58 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.756	152	283372	2.00	ug/mL	0.00
6) Naphthalene-d8	6.052	136	1181550	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.091	99	1076266	2.57	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	514.00%#	
12) 2-Bromothioanisole	7.347	204	981215	11.96	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	239.20%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.664	94	725244	6.73	ug/mL#	79
3) DMMP	3.604	79	217319	3.08	ug/mL	97
4) DIMP	5.027	97	638389	3.02	ug/mL	90
5) 1,4-Oxathiane	3.732	46	676795	6.85	ug/mL	85
7) 1,4-Dithiane	5.212	46	512840	6.36	ug/mL#	88
8) Thiodiglycol	5.966	61	3682049m	56.49	ug/mL	
9) Benzothiazole	6.350	135	3891339	12.03	ug/mL	94
11) p-Chlorophenylmethyisu...	6.592	158	2543933	11.58	ug/mL	93
13) p-Chlorophenylmethyisu...	8.016	159	1441962	12.60	ug/mL	95
14) p-Chlorophenylmethyisu...	8.215	111	1970972	11.52	ug/mL	90

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