

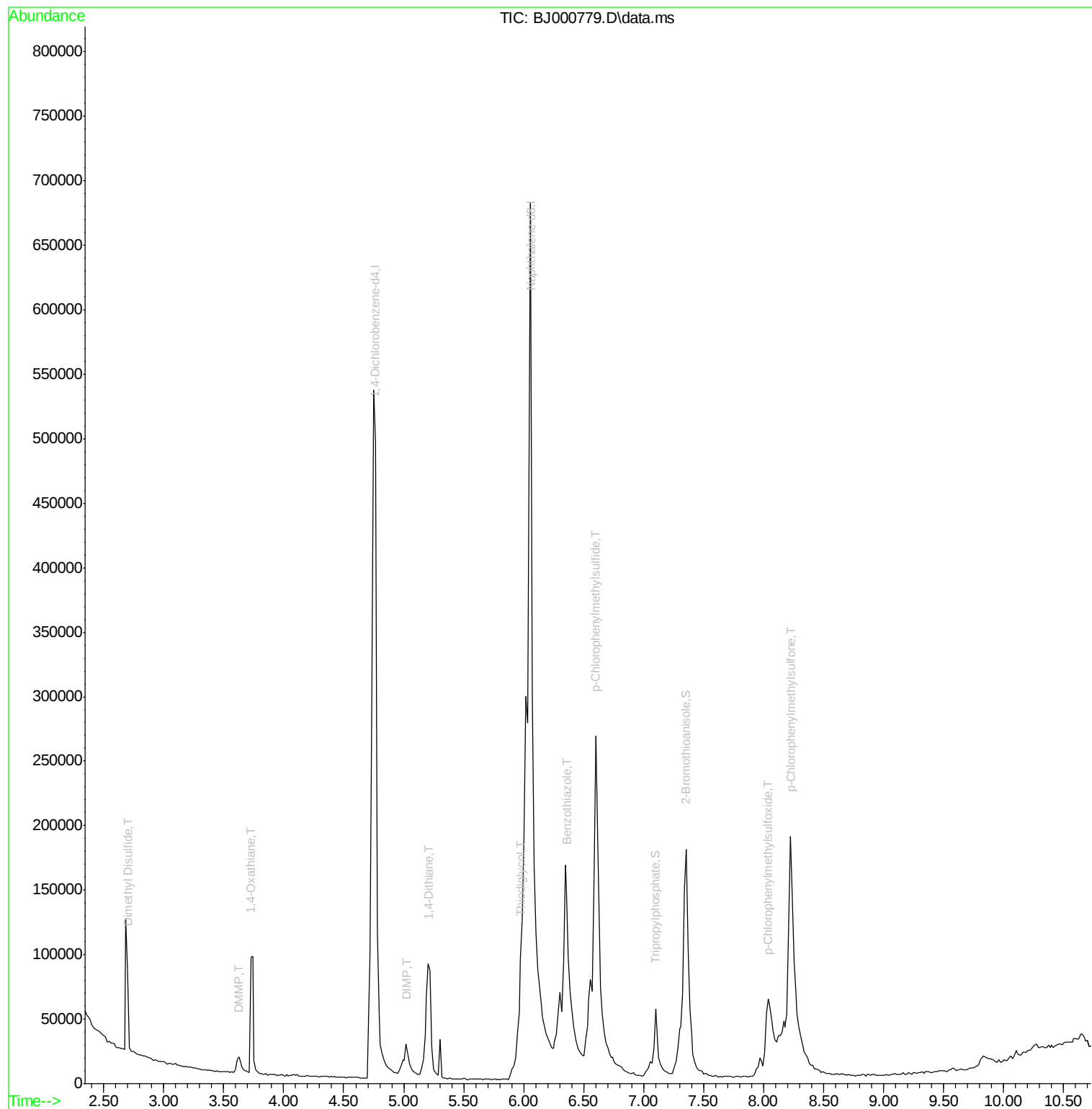
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
Data File : BJ000779.D
Acq On : 26 Apr 2012 13:34
Operator : HLM
Sample : CWA-2
Misc : STD BNA_J HLM
ALS Vial : 3 Sample Multiplier: 1

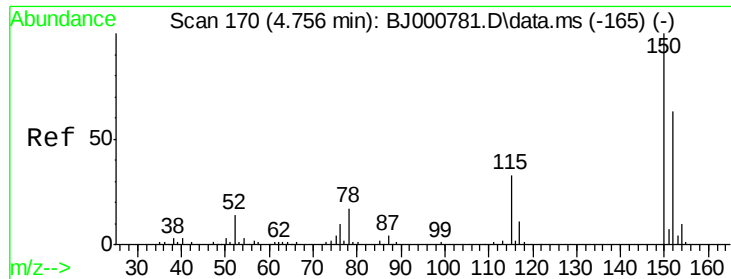
Instrument :
BNA_J
ClientSampleId :
CWA-2

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:26 AM

Quant Time: May 03 01:28:51 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: 4.765 min Scan# 17

Delta R.T. 0.014 min

Lab File: BJ000779.D

Acq: 26 Apr 2012 13:34

Instrument :

BNA_J

ClientSampled :

CWA-2

Tgt Ion:152 Resp: 297402

Ion Ratio Lower Upper

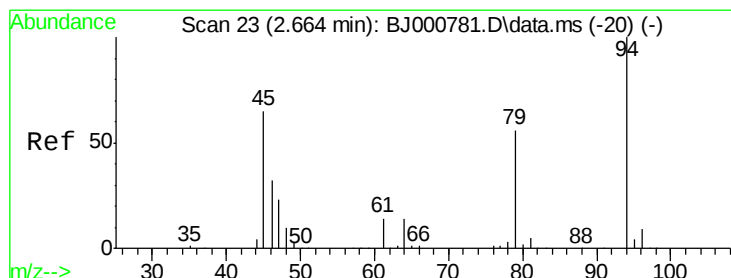
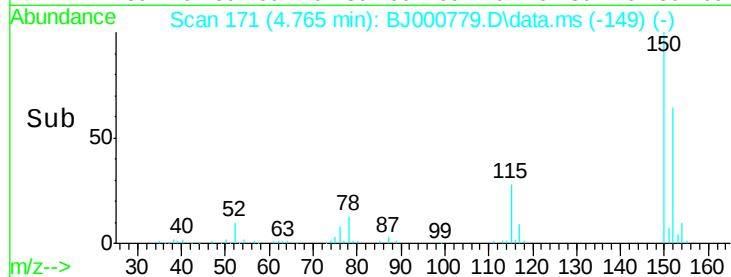
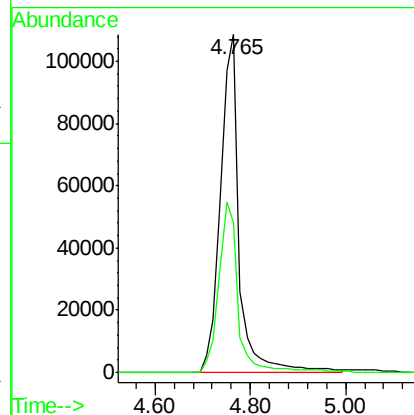
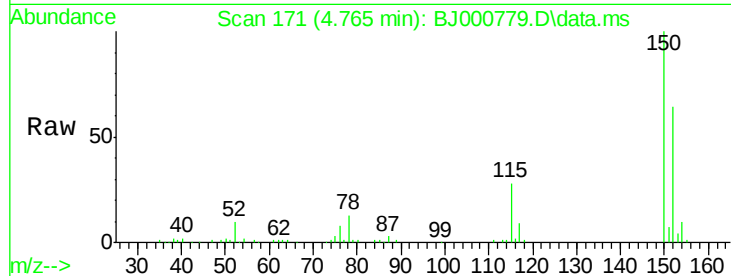
152 100

115 44.2 36.9 76.9

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 0.39 ug/mL

RT: 2.701 min Scan# 26

Delta R.T. 0.028 min

Lab File: BJ000779.D

Acq: 26 Apr 2012 13:34

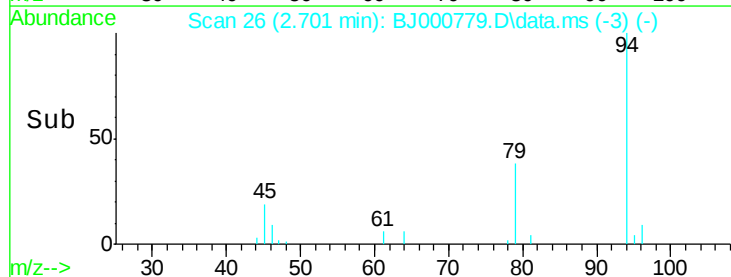
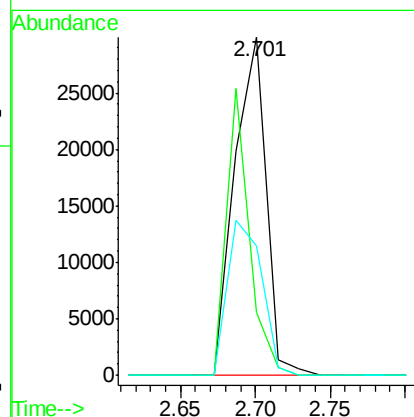
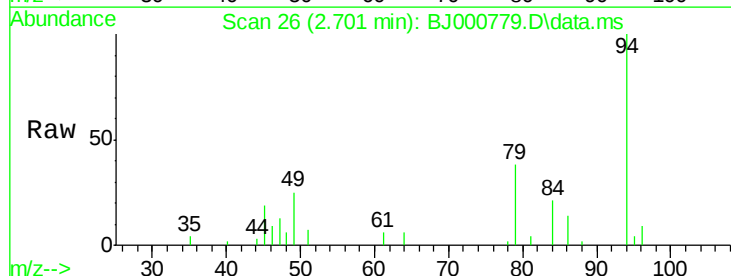
Tgt Ion: 94 Resp: 44164

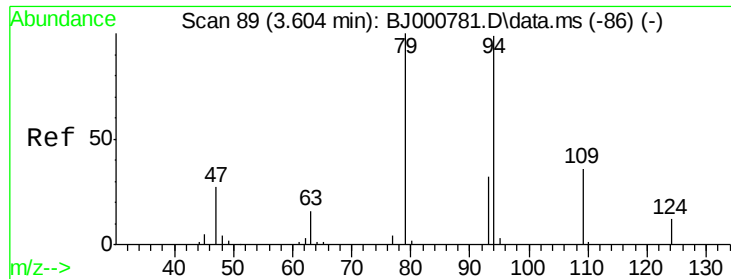
Ion Ratio Lower Upper

94 100

45 18.8 72.8 112.8#

79 38.1 43.9 83.9#





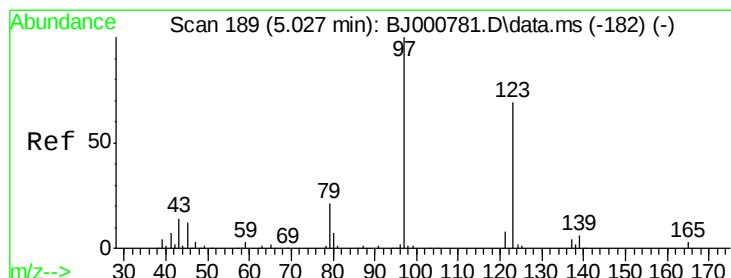
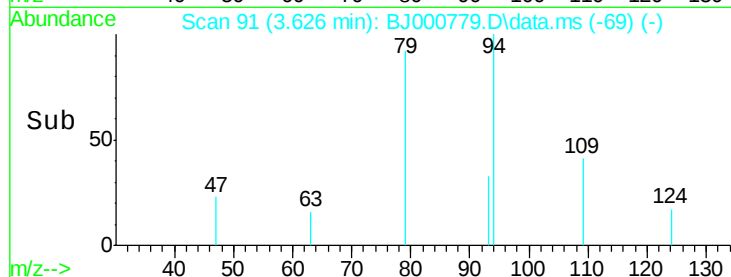
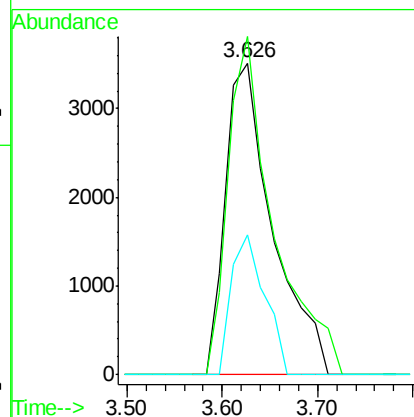
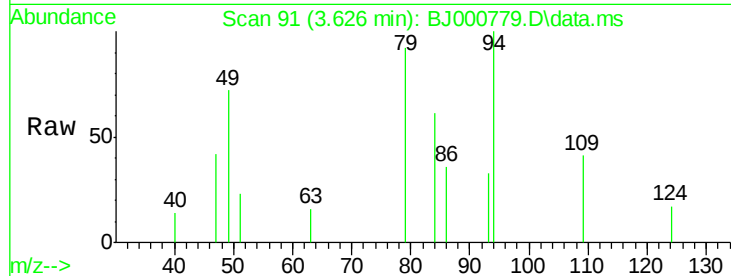
#3
DMMP
Concen: 0.16 ug/mL
RT: 3.626 min Scan# 91
Delta R.T. 0.014 min
Lab File: BJ000779.D
Acq: 26 Apr 2012 13:34

Instrument :
BNA_J
ClientSampleId :
CWA-2

Tgt Ion: 79 Resp: 12073
Ion Ratio Lower Upper
79 100
94 108.5 81.5 121.5
109 44.8 18.2 58.2

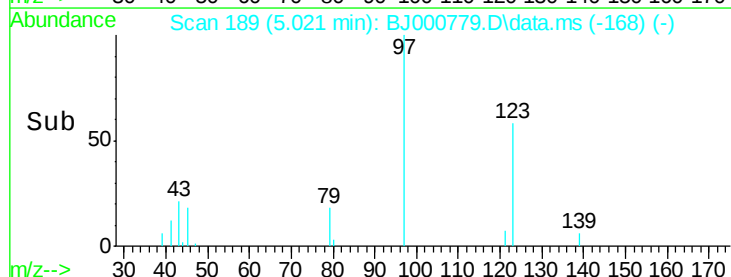
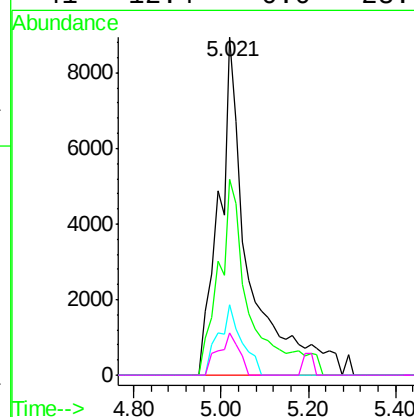
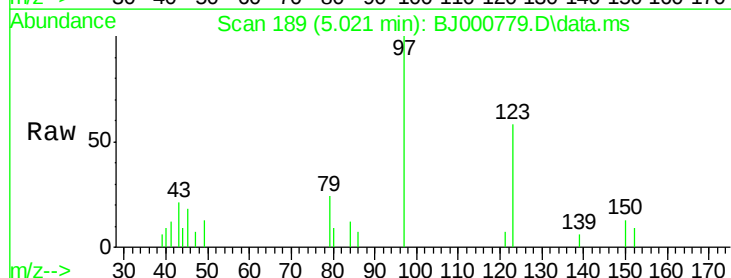
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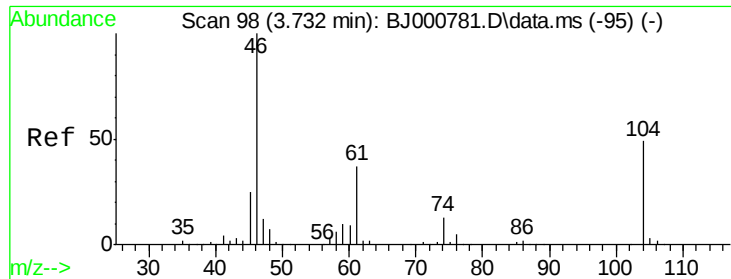
AHPatel
5/3/2012 1:41:26 AM



#4
DIMP
Concen: 0.19 ug/mL
RT: 5.021 min Scan# 189
Delta R.T. -0.001 min
Lab File: BJ000779.D
Acq: 26 Apr 2012 13:34

Tgt Ion: 97 Resp: 42286
Ion Ratio Lower Upper
97 100
123 57.9 40.6 80.6
43 21.0 0.0 37.6
41 12.4 0.0 28.4





#5

1,4-Oxathiane

Concen: 0.50 ug/mL

RT: 3.726 min Scan# 98

Delta R.T. -0.001 min

Lab File: BJ000779.D

Acq: 26 Apr 2012 13:34

Instrument :

BNA_J

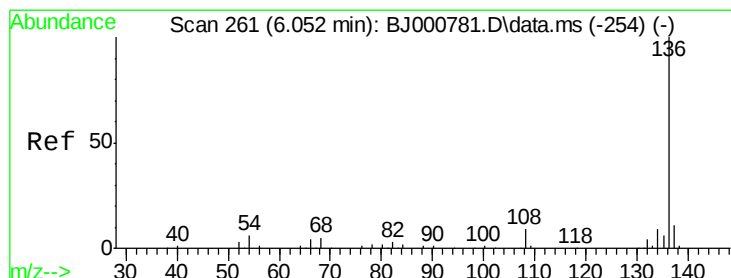
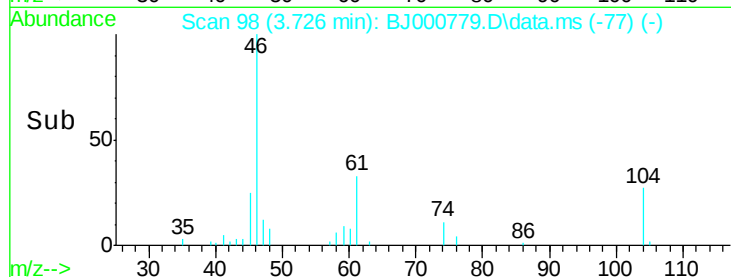
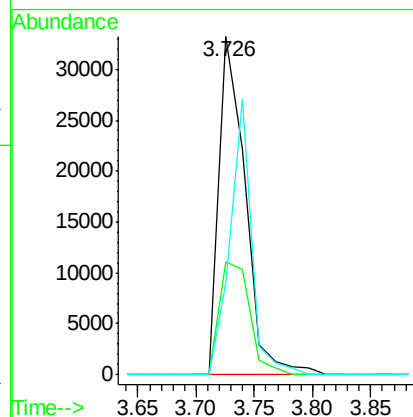
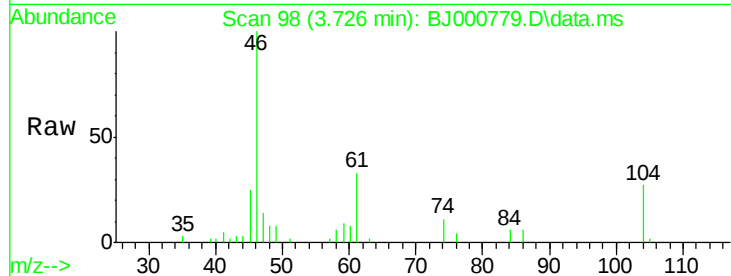
ClientSampleId :

CWA-2

Tgt Ion:	46	Resp:	52045
Ion Ratio	Lower	Upper	
46	100		
61	33.4	14.6	54.6
104	27.0	13.7	53.7

Manual Integrations
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5/3/2012 1:41:26 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

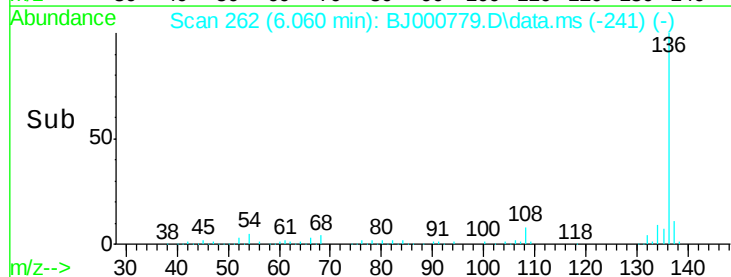
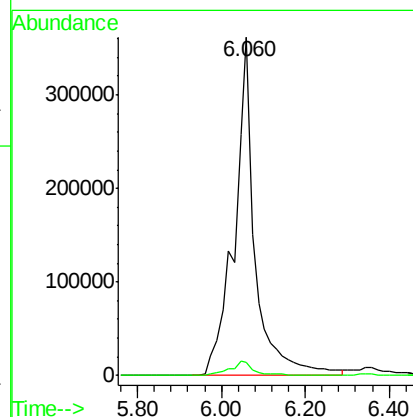
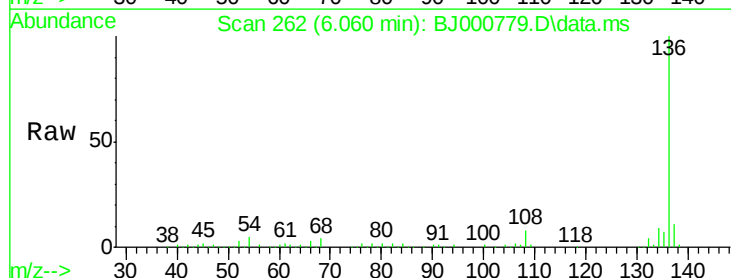
RT: 6.060 min Scan# 262

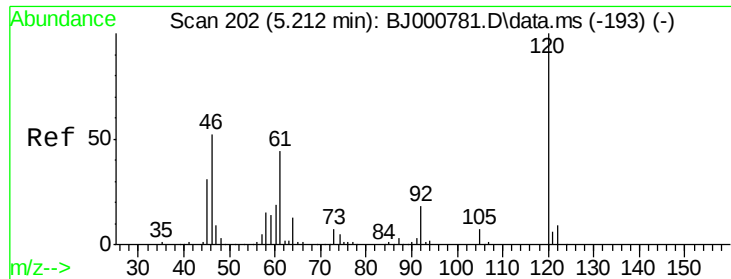
Delta R.T. -0.001 min

Lab File: BJ000779.D

Acq: 26 Apr 2012 13:34

Tgt Ion:	136	Resp:	1242466
Ion Ratio	Lower	Upper	
136	100		
68	3.8	0.0	23.7





#7

1,4-Dithiane

Concen: 0.48 ug/mL

RT: 5.206 min Scan# 20

Delta R.T. -0.000 min

Lab File: BJ000779.D

Acq: 26 Apr 2012 13:34

Instrument :

BNA_J

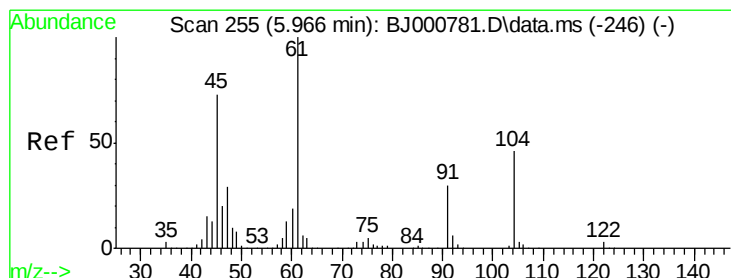
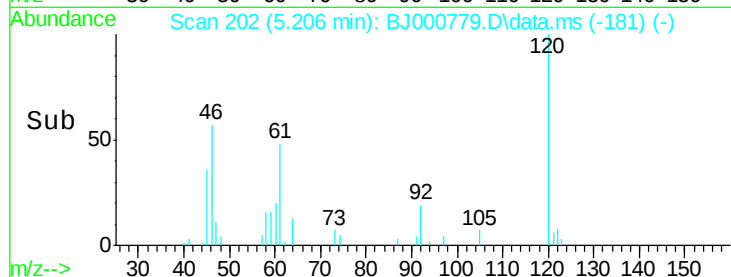
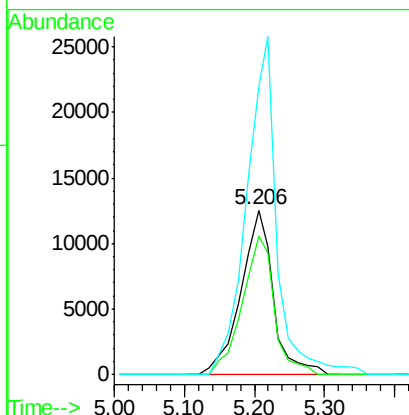
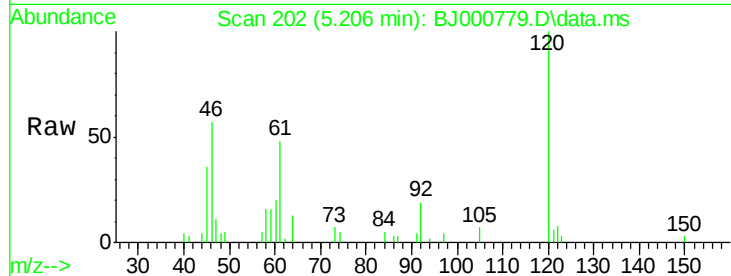
ClientSampleId :

CWA-2

Tgt Ion	Ratio	Lower	Upper
46	100		
61	84.2	62.3	102.3
120	175.3	149.0	189.0

Manual Integrations
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#8

Thiodiglycol

Concen: 3.60 ug/mL m

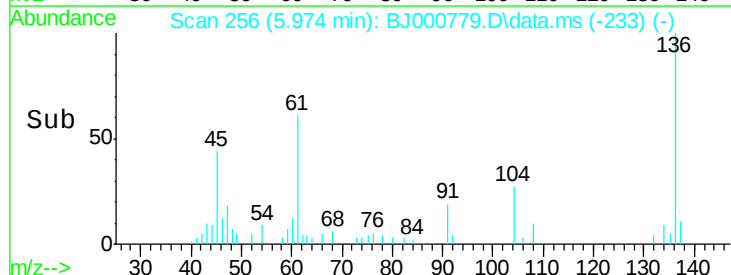
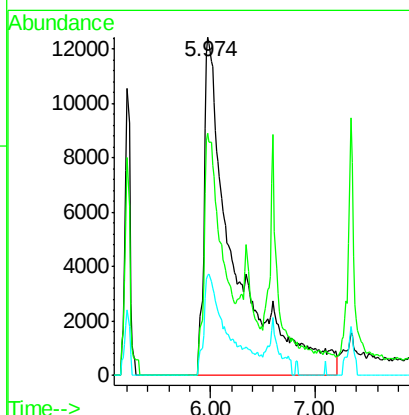
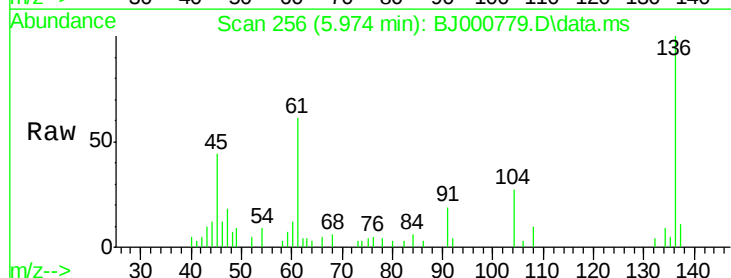
RT: 5.974 min Scan# 256

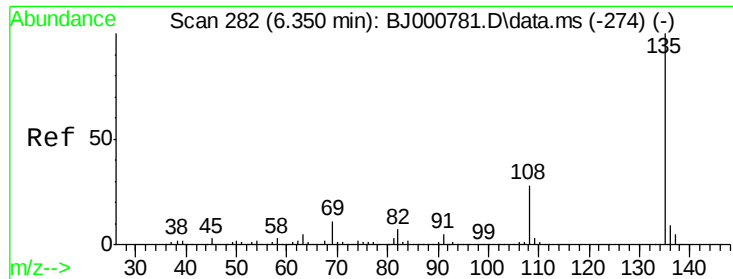
Delta R.T. 0.028 min

Lab File: BJ000779.D

Acq: 26 Apr 2012 13:34

Tgt Ion	Ratio	Lower	Upper
61	100		
45	71.5	49.4	89.4
47	29.6	7.9	47.9





#9

Benzothiazole

Concen: 0.93 ug/mL

RT: 6.359 min Scan# 28

Delta R.T. 0.014 min

Lab File: BJ000779.D

Acq: 26 Apr 2012 13:34

Instrument :

BNA_J

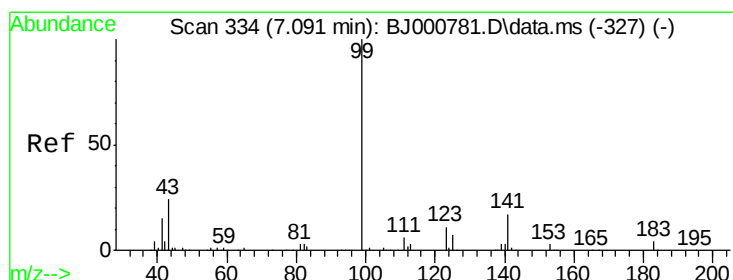
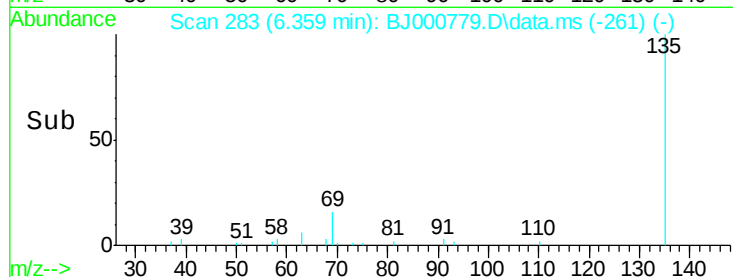
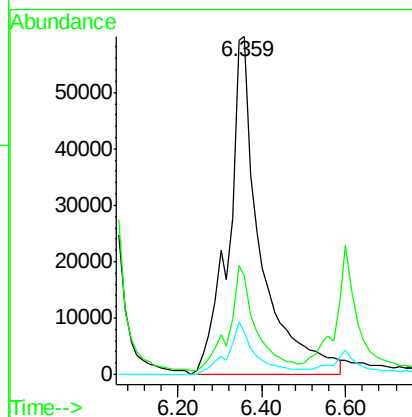
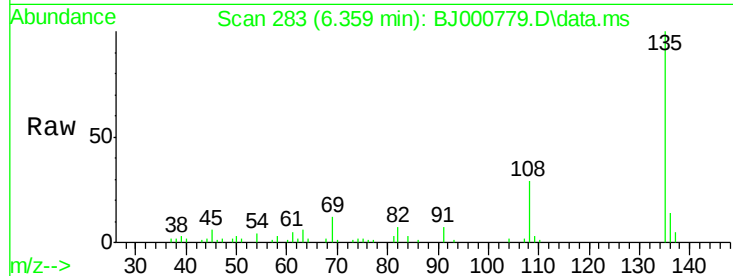
ClientSampled :

CWA-2

Tgt Ion:	135	Resp:	315840
Ion Ratio	Lower	Upper	
135	100		
108	29.0	11.0	51.0
69	12.4	0.0	34.2

Manual Integrations
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AHPatel
5/3/2012 1:41:26 AM



#10

Tripropylphosphate

Concen: 0.19 ug/mL

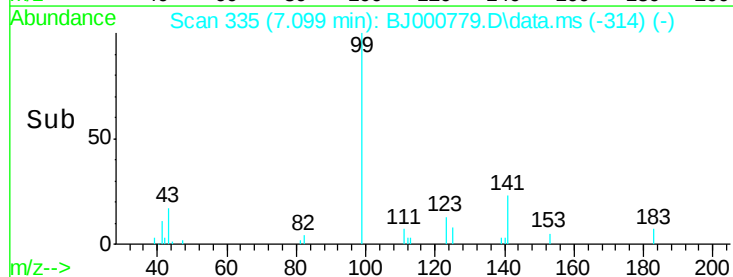
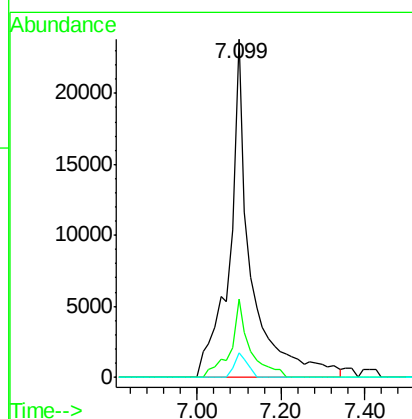
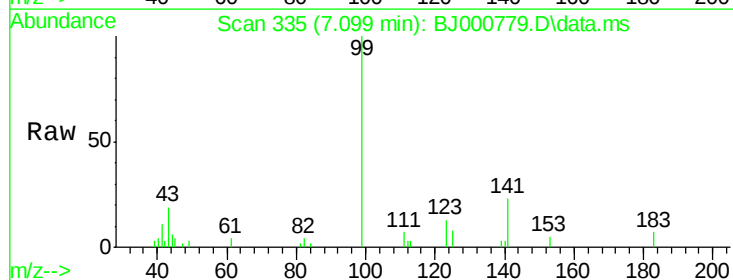
RT: 7.099 min Scan# 335

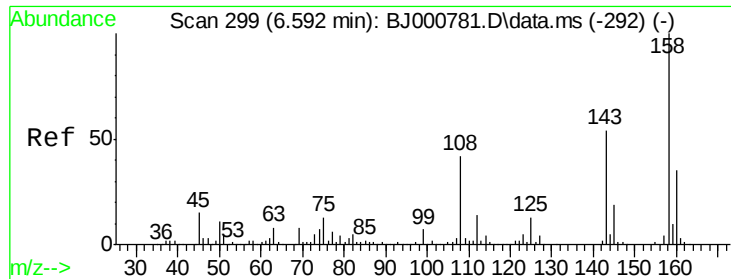
Delta R.T. -0.001 min

Lab File: BJ000779.D

Acq: 26 Apr 2012 13:34

Tgt Ion:	99	Resp:	82818
Ion Ratio	Lower	Upper	
99	100		
141	20.9	17.8	26.6
183	4.4	5.4	8.0#





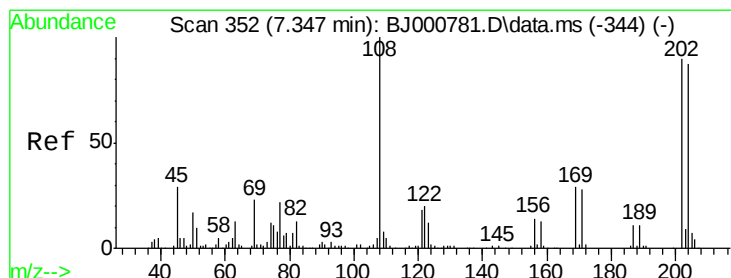
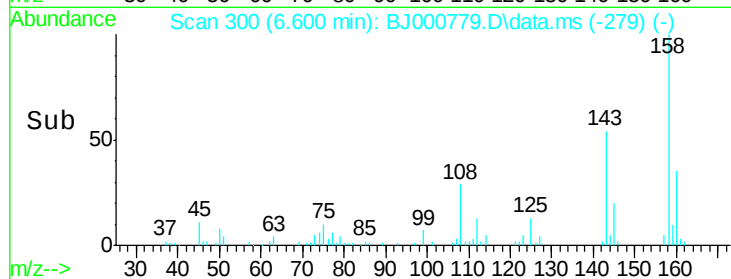
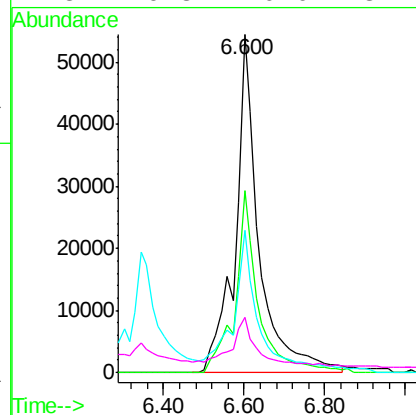
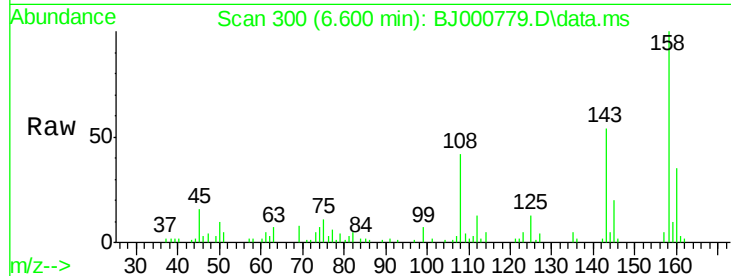
#11
p-Chlorophenylmethylsulfide
Concen: 0.96 ug/mL
RT: 6.600 min Scan# 30
Delta R.T. -0.001 min
Lab File: BJ000779.D
Acq: 26 Apr 2012 13:34

Instrument :
BNA_J
ClientSampled :
CWA-2

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	222198		
143	53.9	31.4	71.4	
108	42.1	15.5	55.5	
45	16.3	0.0	32.2	

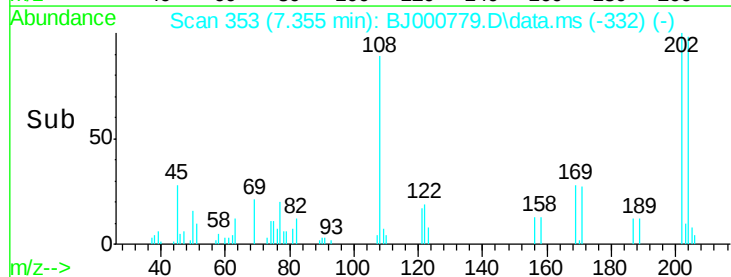
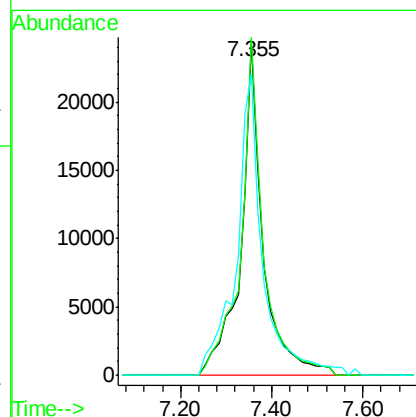
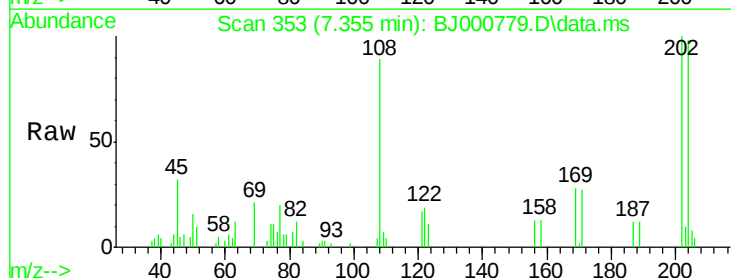
Manual Integrations
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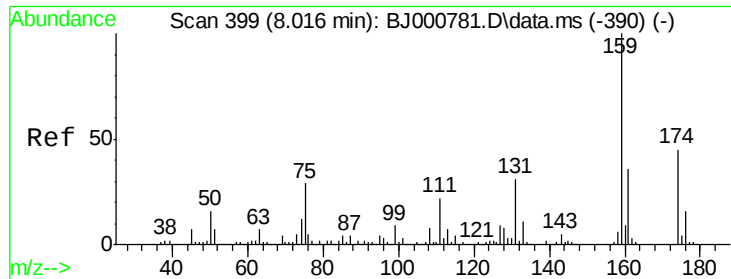
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#12
2-Bromothioanisole
Concen: 0.97 ug/mL
RT: 7.355 min Scan# 353
Delta R.T. -0.000 min
Lab File: BJ000779.D
Acq: 26 Apr 2012 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	83327		
202	102.1	82.9	122.9	
108	90.9	57.9	97.9	





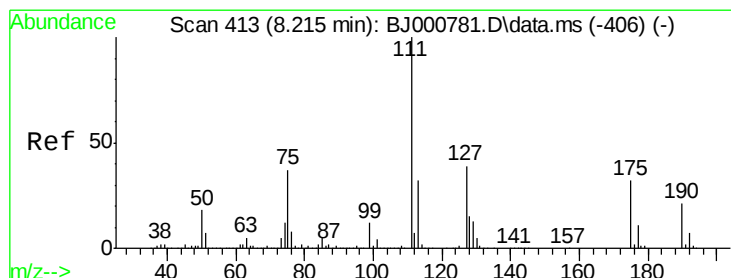
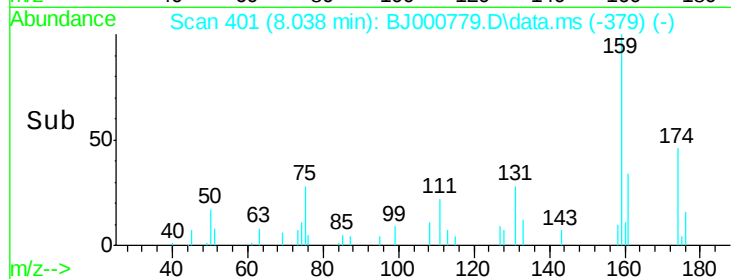
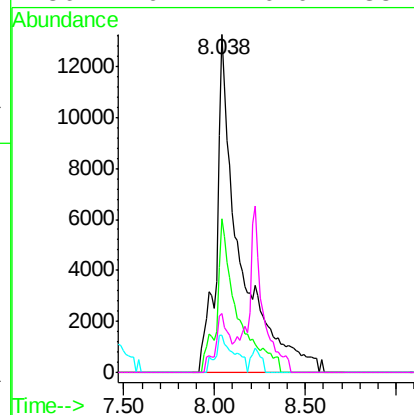
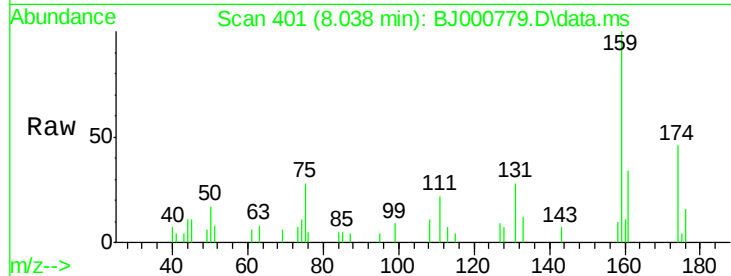
#13
p-Chlorophenylmethylsulfoxide
Concen: 0.98 ug/mL m
RT: 8.038 min Scan# 401
Delta R.T. 0.014 min
Lab File: BJ000779.D
Acq: 26 Apr 2012 13:34

Instrument :
BNA_J
ClientSampleId :
CWA-2

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	118263		
174	37.0	31.3	71.3	
108	8.9	0.0	31.3	
50	10.2	0.0	35.6	

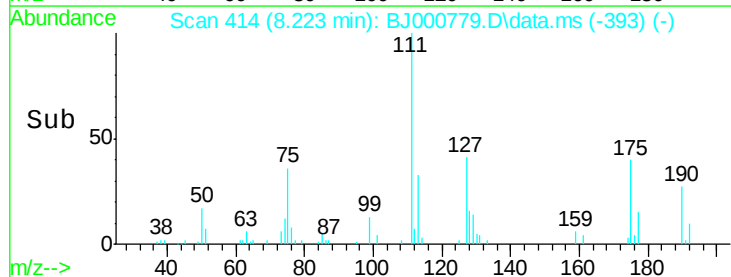
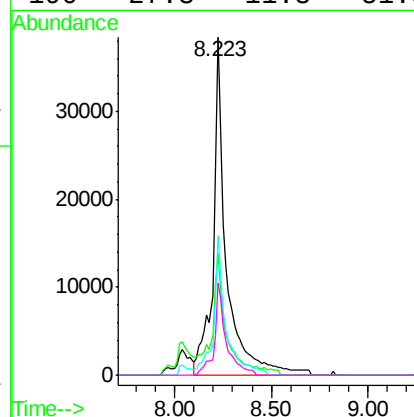
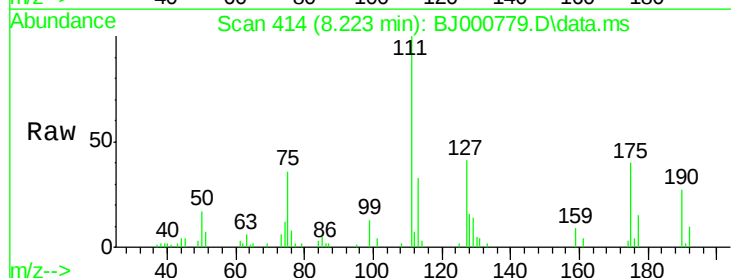
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 1.03 ug/mL m
RT: 8.223 min Scan# 414
Delta R.T. -0.000 min
Lab File: BJ000779.D
Acq: 26 Apr 2012 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	186241		
75	36.1	14.1	54.1	
127	41.4	21.7	61.7	
190	27.3	11.8	51.8	



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000779.D
 Acq On : 26 Apr 2012 13:34
 Operator : HLM
 Sample : CWA-2
 Misc : STD BNA_J HLM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-2

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:41:26 AM

Quant Time: May 03 01:28:51 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	4.765	152	297402	2.00	ug/mL	0.01
6) Naphthalene-d8	6.060	136	1242466	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.099	99	82818	0.19	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	38.00%#	
12) 2-Bromothioanisole	7.355	204	83327	0.97	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	19.40%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.701	94	44164	0.39	ug/mL#	41
3) DMMP	3.626	79	12073	0.16	ug/mL	92
4) DIMP	5.021	97	42286	0.19	ug/mL	95
5) 1,4-Oxathiane	3.726	46	52045	0.50	ug/mL	93
7) 1,4-Dithiane	5.206	46	40561	0.48	ug/mL	96
8) Thiodiglycol	5.974	61	247064m	3.60	ug/mL	
9) Benzothiazole	6.359	135	315840	0.93	ug/mL	96
11) p-Chlorophenylmethyisu...	6.600	158	222198	0.96	ug/mL	93
13) p-Chlorophenylmethyisu...	8.038	159	118263m	0.98	ug/mL	
14) p-Chlorophenylmethyisu...	8.223	111	186241m	1.03	ug/mL	

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