

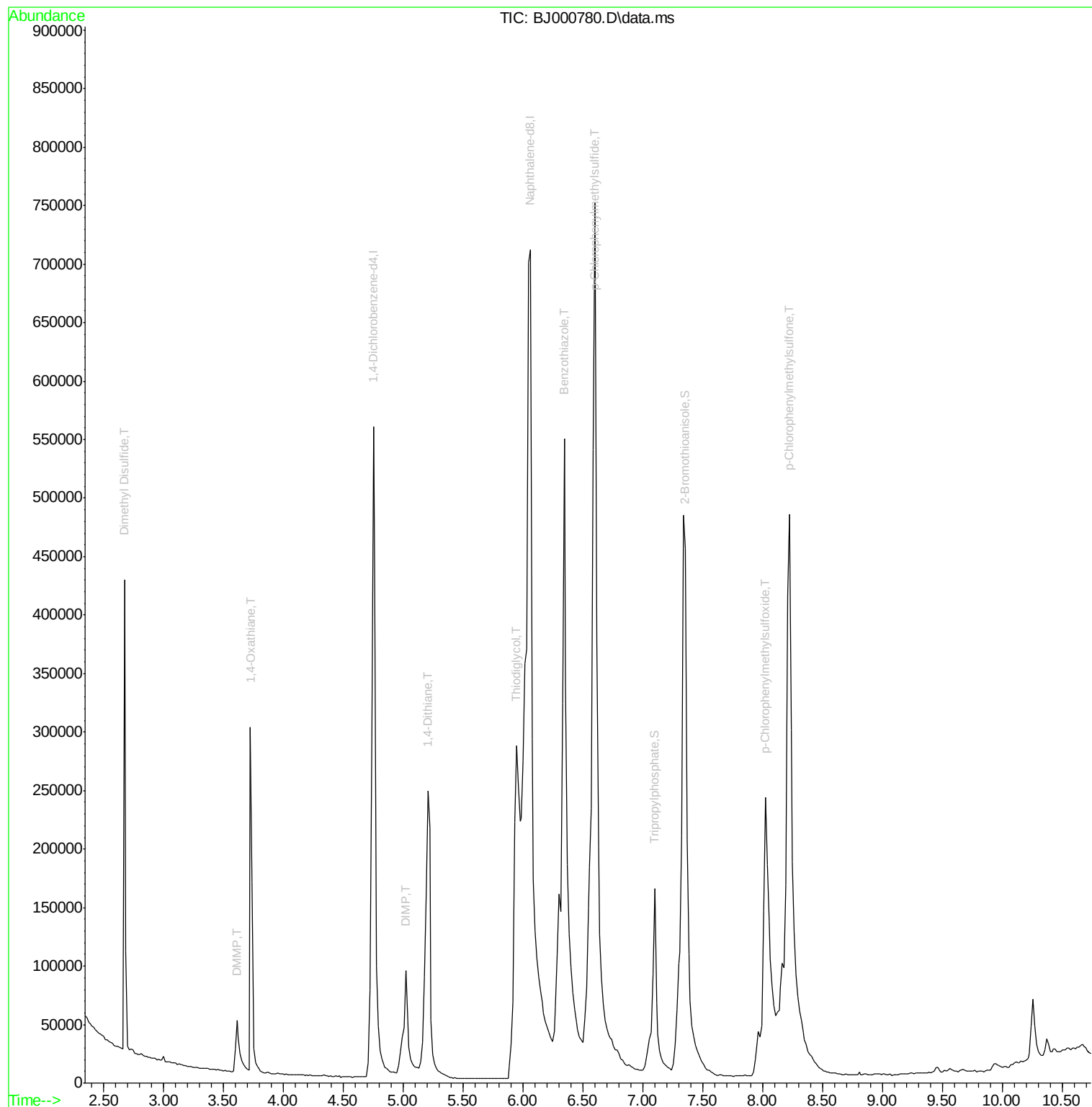
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
Data File : BJ000780.D
Acq On : 26 Apr 2012 13:52
Operator : HLM
Sample : CWA-3
Misc : STD BNA_J HLM
ALS Vial : 4 Sample Multiplier: 1

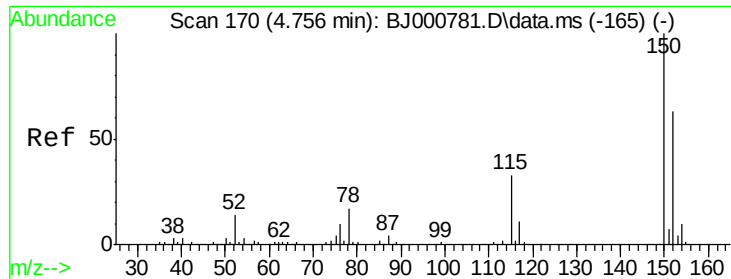
Instrument :
BNA_J
ClientSampleId :
CWA-3

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:28 AM

Quant Time: May 02 05:42:56 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: 4.751 min Scan# 17

Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Instrument :

BNA_J

ClientSampled :

CWA-3

Tgt Ion:152 Resp: 275106

Ion Ratio Lower Upper

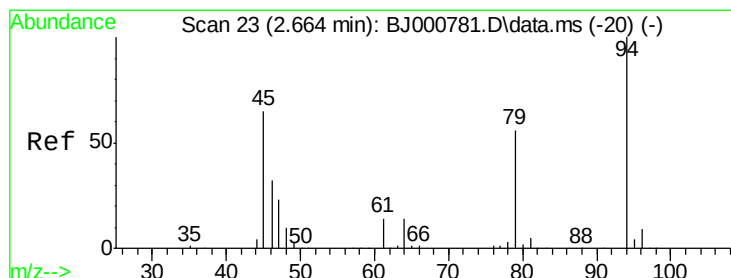
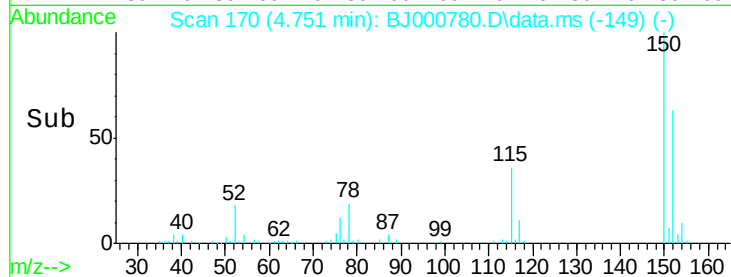
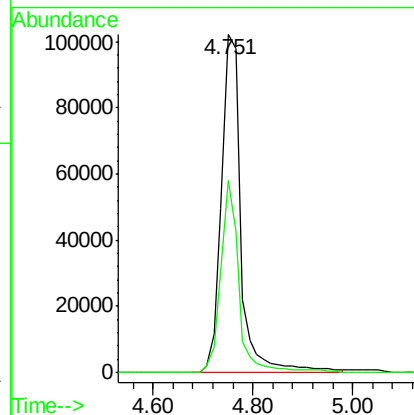
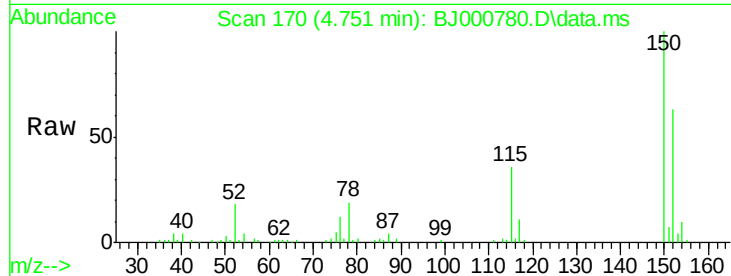
152 100

115 56.9 36.9 76.9

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#2

Dimethyl Disulfide

Concen: 1.12 ug/mL

RT: 2.673 min Scan# 24

Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

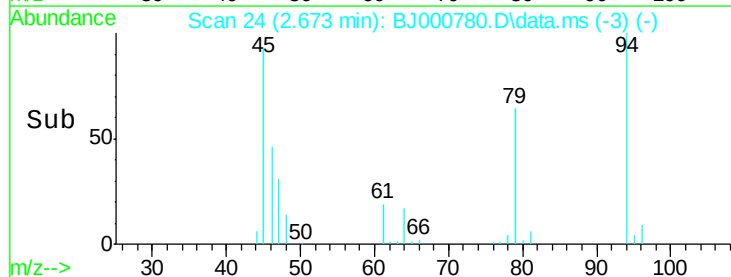
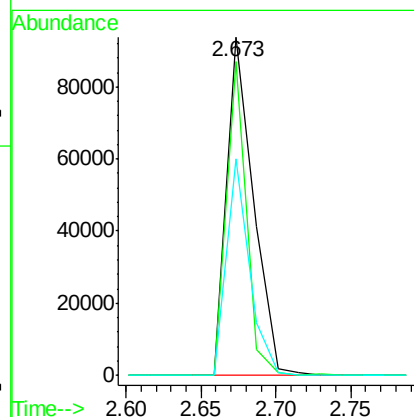
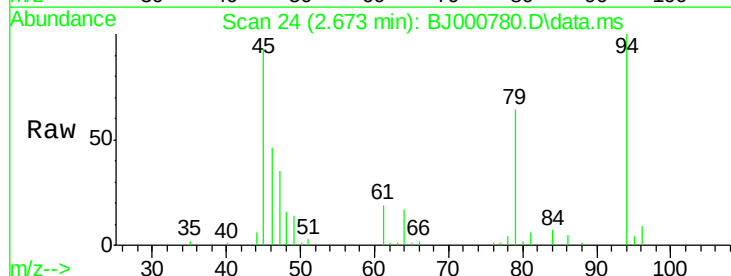
Tgt Ion: 94 Resp: 117504

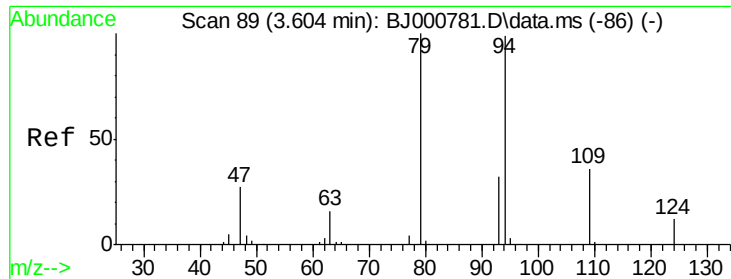
Ion Ratio Lower Upper

94 100

45 92.8 72.8 112.8

79 63.9 43.9 83.9





#3

DMMP

Concen: 0.56 ug/mL

RT: 3.612 min Scan# 90

Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Instrument :

BNA_J

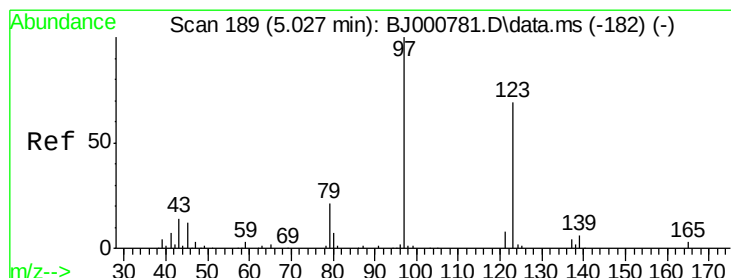
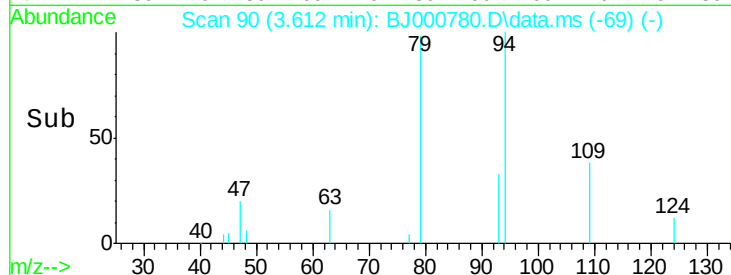
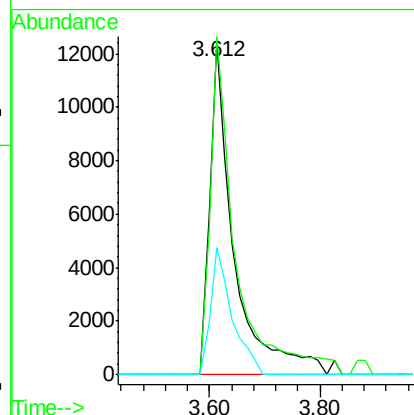
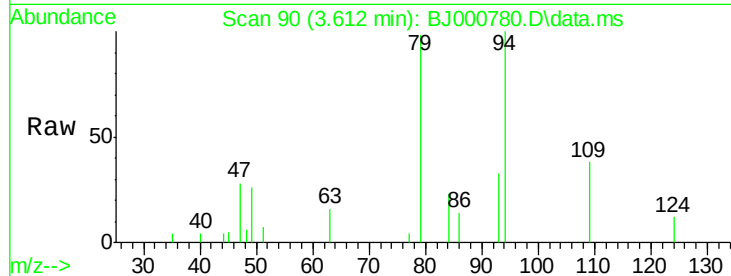
ClientSampleId :

CWA-3

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	38018		
94	101.5	81.5	121.5	
109	38.2	18.2	58.2	

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5/3/2012 1:41:28 AM



#4

DIMP

Concen: 0.53 ug/mL

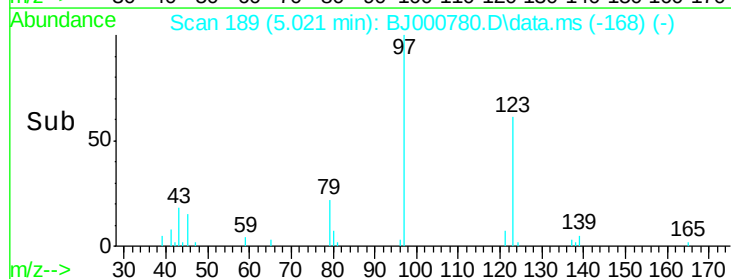
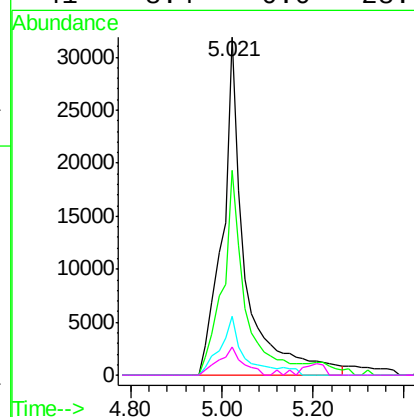
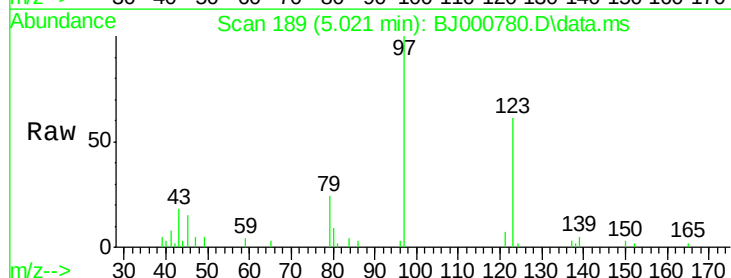
RT: 5.021 min Scan# 189

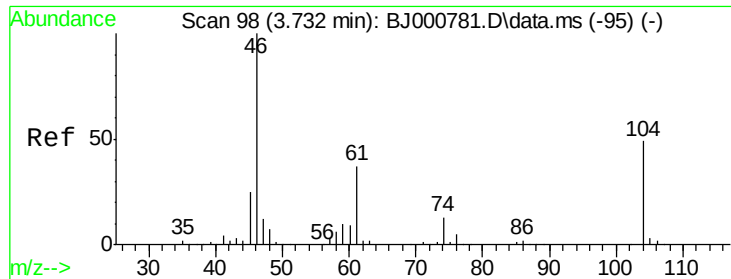
Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	108750		
123	60.6	40.6	80.6	
43	17.6	0.0	37.6	
41	8.4	0.0	28.4	





#5

1,4-Oxathiane

Concen: 1.36 ug/mL

RT: 3.726 min Scan# 98

Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Instrument :

BNA_J

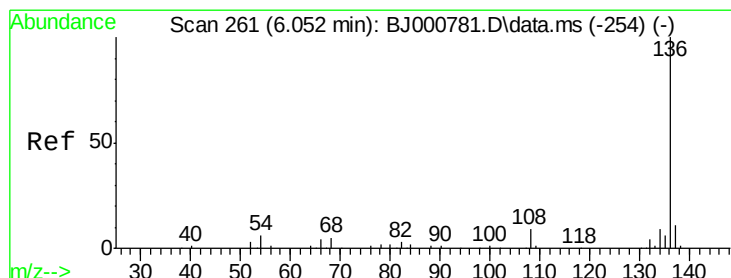
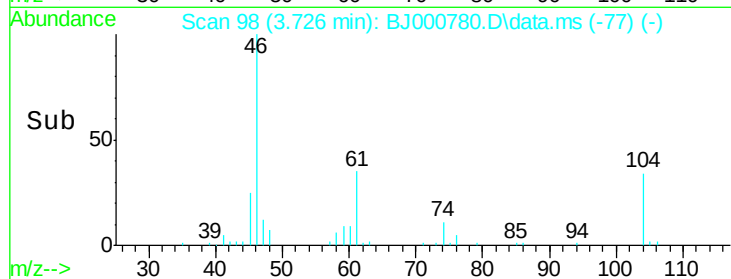
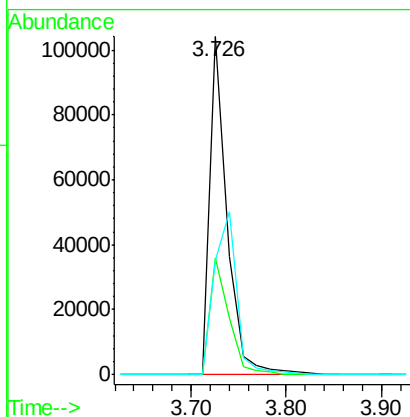
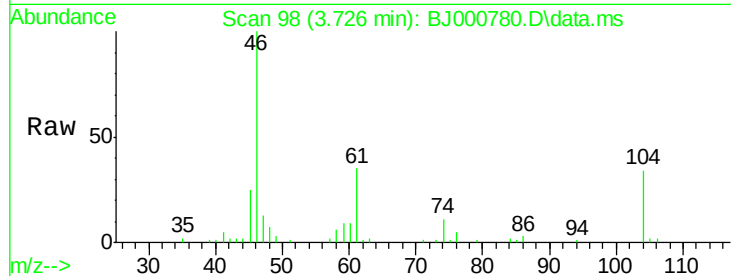
ClientSampled :

CWA-3

Tgt Ion:	46	Resp:	130662
Ion Ratio	Lower	Upper	
46	100		
61	34.6	14.6	54.6
104	33.7	13.7	53.7

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

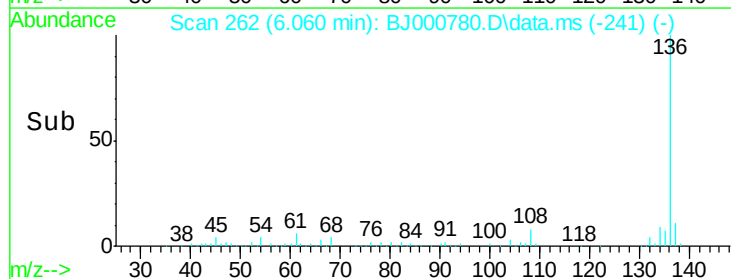
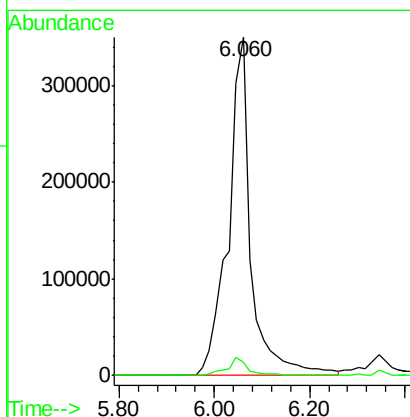
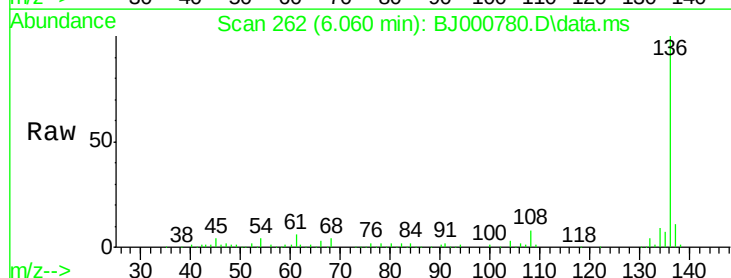
RT: 6.060 min Scan# 262

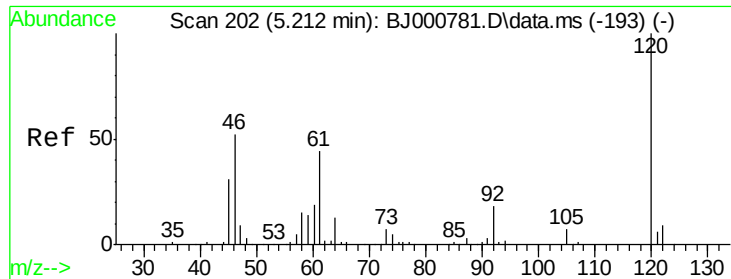
Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Tgt Ion:	136	Resp:	1135645
Ion Ratio	Lower	Upper	
136	100		
68	3.7	0.0	23.7





#7

1,4-Dithiane

Concen: 1.32 ug/mL

RT: 5.206 min Scan# 20

Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Instrument :

BNA_J

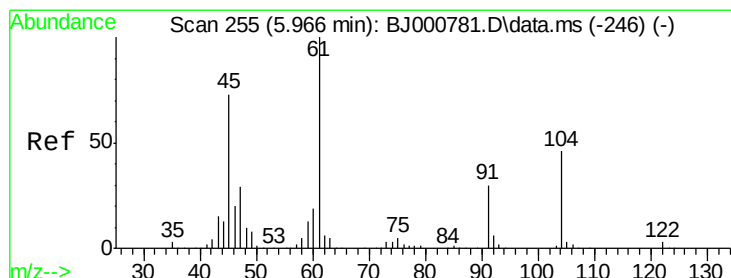
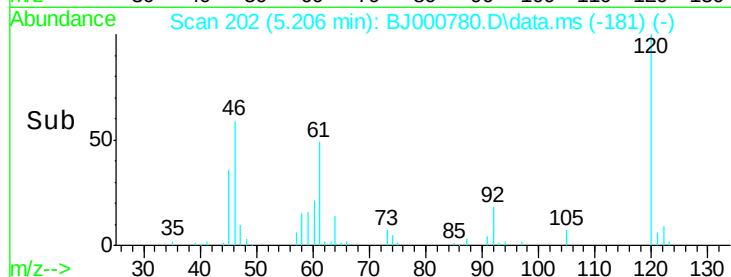
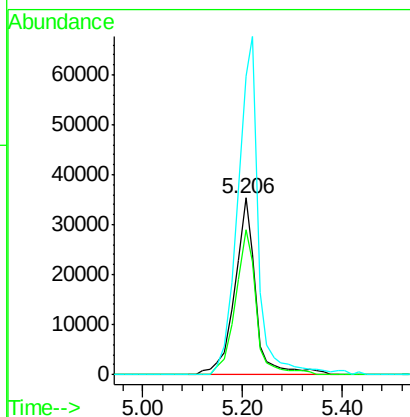
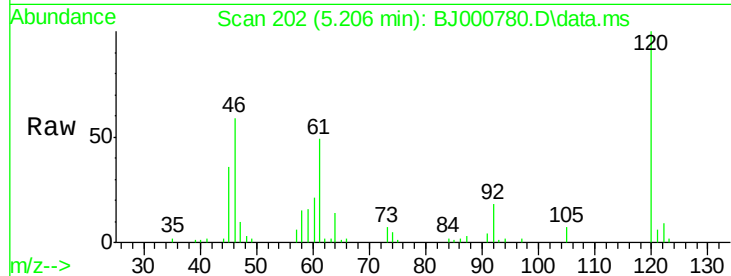
ClientSampleId :

CWA-3

Tgt Ion	Ratio	Resp	Lower	Upper
46	100	102461		
61	82.3	62.3	102.3	
120	169.0	149.0	189.0	

Manual Integrations
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5/3/2012 1:41:28 AM



#8

Thiodiglycol

Concen: 10.58 ug/mL m

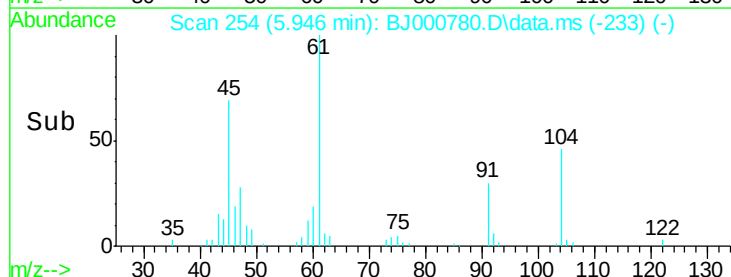
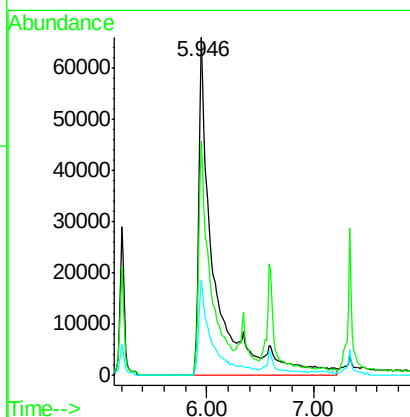
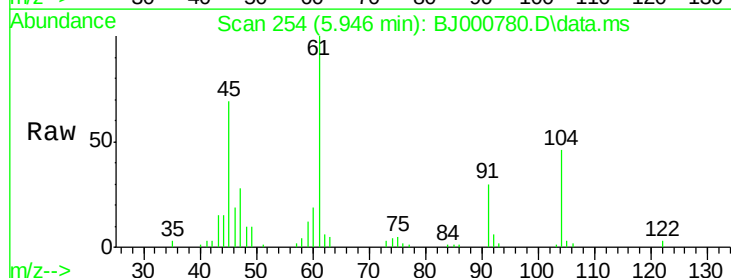
RT: 5.946 min Scan# 254

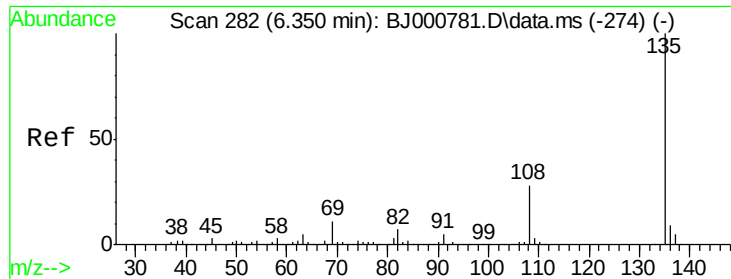
Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	662784		
45	69.4	49.4	89.4	
47	27.9	7.9	47.9	





#9

Benzothiazole

Concen: 2.46 ug/mL

RT: 6.345 min Scan# 28

Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Instrument :

BNA_J

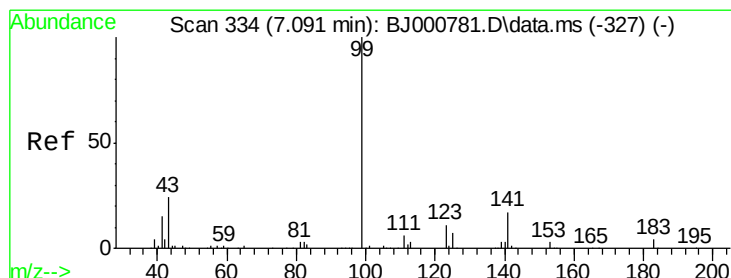
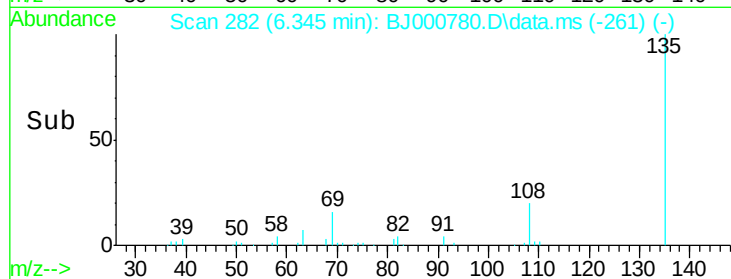
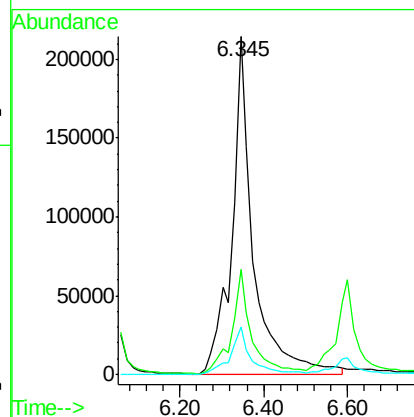
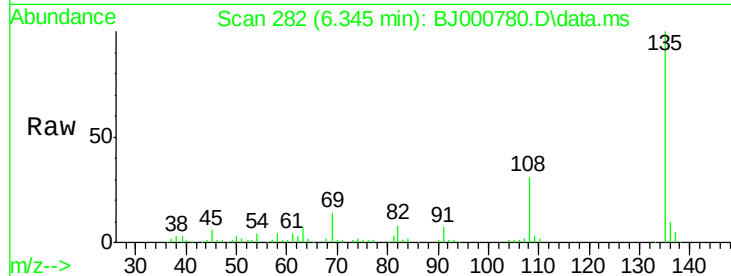
ClientSampleId :

CWA-3

Tgt Ion:	135	Resp:	763553
Ion Ratio	Lower	Upper	
135	100		
108	31.0	11.0	51.0
69	14.2	0.0	34.2

Manual Integrations
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5/3/2012 1:41:28 AM



#10

Tripropylphosphate

Concen: 0.49 ug/mL

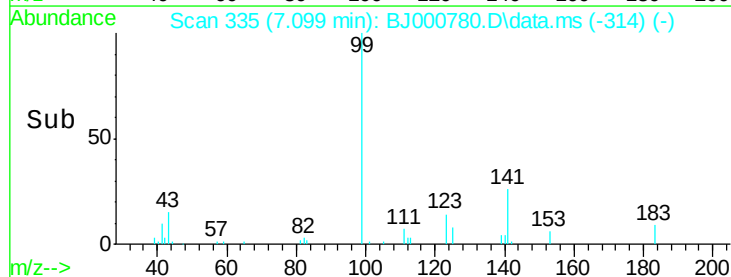
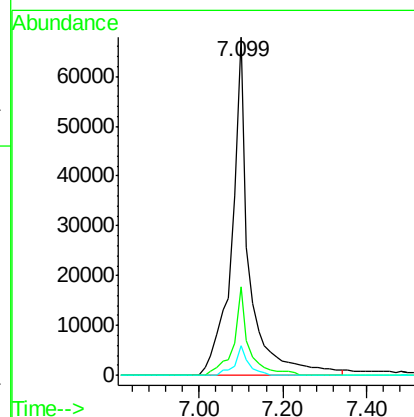
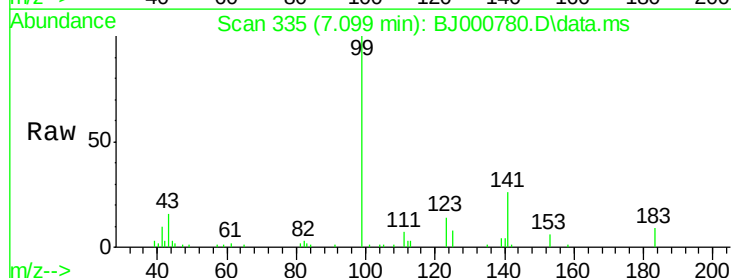
RT: 7.099 min Scan# 335

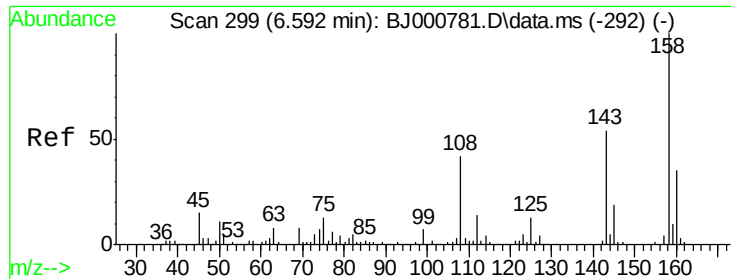
Delta R.T. 0.000 min

Lab File: BJ000780.D

Acq: 26 Apr 2012 13:52

Tgt Ion:	99	Resp:	195486
Ion Ratio	Lower	Upper	
99	100		
141	22.4	17.8	26.6
183	6.8	5.4	8.0





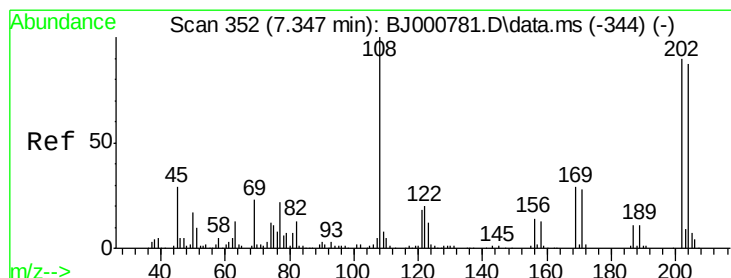
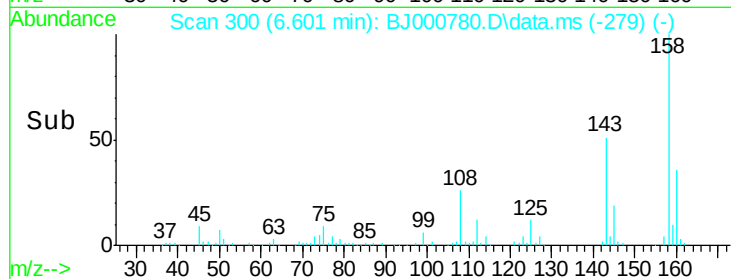
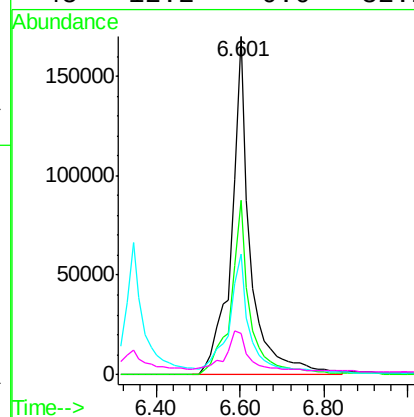
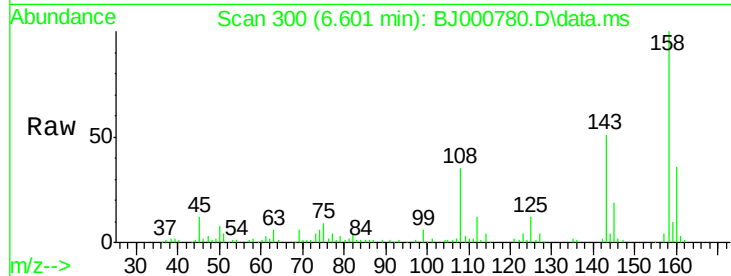
#11
p-Chlorophenylmethylsulfide
Concen: 2.51 ug/mL
RT: 6.601 min Scan# 30
Delta R.T. 0.000 min
Lab File: BJ000780.D
Acq: 26 Apr 2012 13:52

Instrument :
BNA_J
ClientSampleId :
CWA-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
158	100		
143	51.4	31.4	71.4
108	35.5	15.5	55.5
45	12.2	0.0	32.2

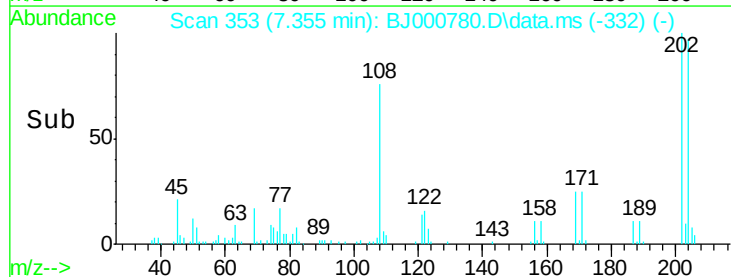
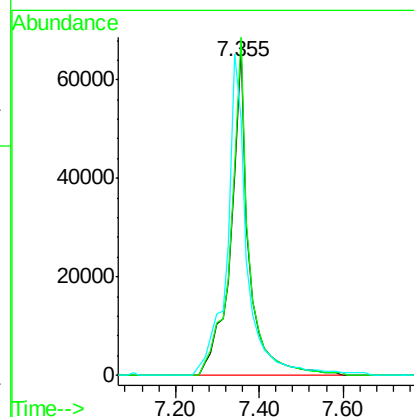
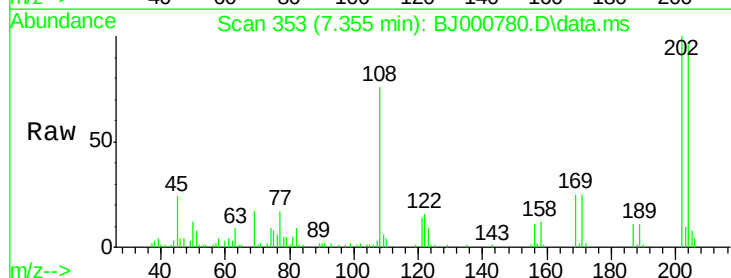
Manual Integrations
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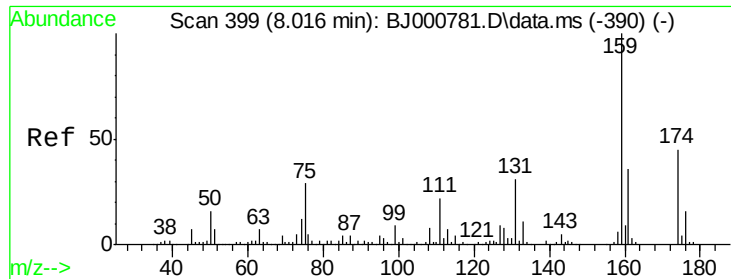
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#12
2-Bromothioanisole
Concen: 2.53 ug/mL
RT: 7.355 min Scan# 353
Delta R.T. 0.000 min
Lab File: BJ000780.D
Acq: 26 Apr 2012 13:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
204	100		
202	102.9	82.9	122.9
108	77.9	57.9	97.9





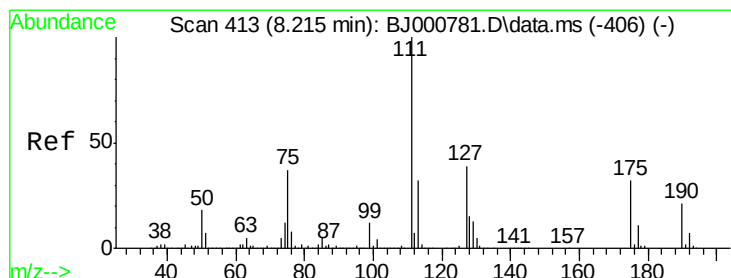
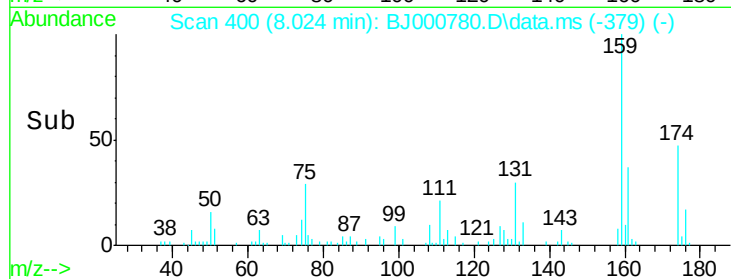
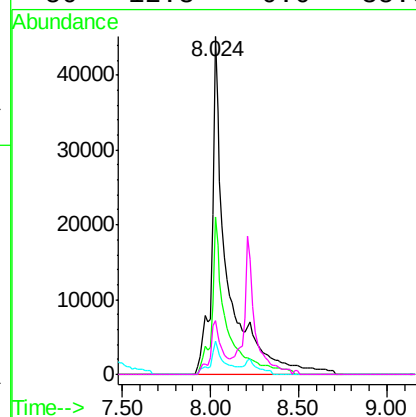
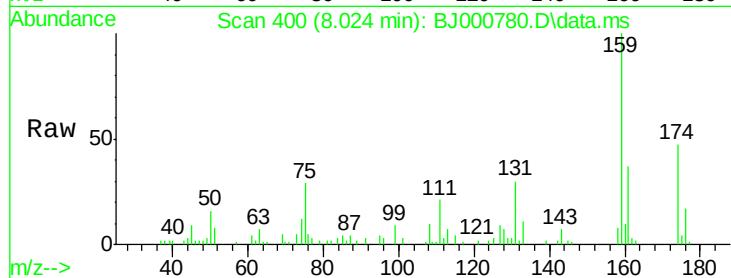
#13
p-Chlorophenylmethylsulfoxide
Concen: 2.54 ug/mL m
RT: 8.024 min Scan# 40
Delta R.T. 0.000 min
Lab File: BJ000780.D
Acq: 26 Apr 2012 13:52

Instrument :
BNA_J
ClientSampled :
CWA-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
159	100		
174	40.2	31.3	71.3
108	9.0	0.0	31.3
50	12.3	0.0	35.6

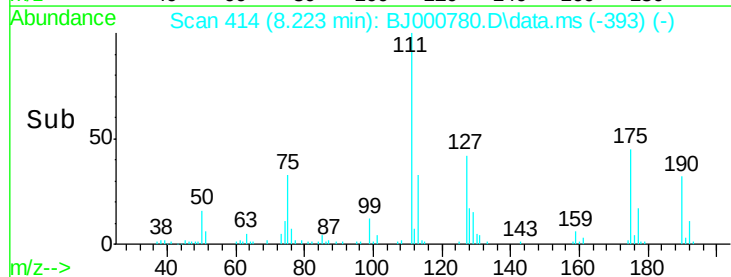
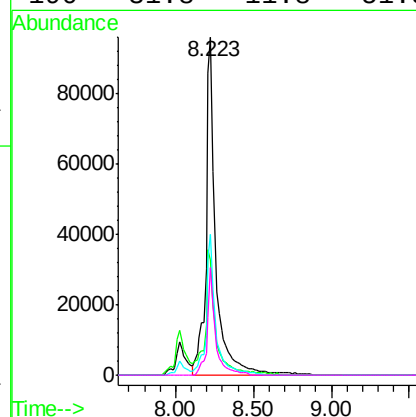
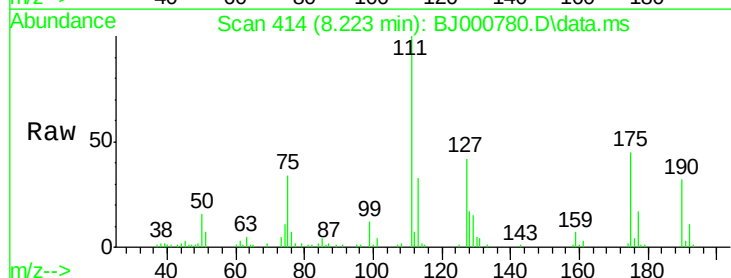
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 2.55 ug/mL m
RT: 8.223 min Scan# 414
Delta R.T. 0.000 min
Lab File: BJ000780.D
Acq: 26 Apr 2012 13:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
111	100		
75	34.1	14.1	54.1
127	41.7	21.7	61.7
190	31.8	11.8	51.8



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000780.D
 Acq On : 26 Apr 2012 13:52
 Operator : HLM
 Sample : CWA-3
 Misc : STD BNA_J HLM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-3

Manual Integrations
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 5/3/2012 1:41:28 AM

Quant Time: May 02 05:42:56 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	4.751	152	275106	2.00	ug/mL	0.00
6) Naphthalene-d8	6.060	136	1135645	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.099	99	195486	0.49	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	98.00%	
12) 2-Bromothioanisole	7.355	204	199283	2.53	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	50.60%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.673	94	117504	1.12	ug/mL	100
3) DMMP	3.612	79	38018	0.56	ug/mL	100
4) DIMP	5.021	97	108750	0.53	ug/mL	100
5) 1,4-Oxathiane	3.726	46	130662	1.36	ug/mL	100
7) 1,4-Dithiane	5.206	46	102461	1.32	ug/mL	100
8) Thiodiglycol	5.946	61	662784m	10.58	ug/mL	
9) Benzothiazole	6.345	135	763553	2.46	ug/mL	100
11) p-Chlorophenylmethyisu...	6.601	158	528963	2.51	ug/mL	100
13) p-Chlorophenylmethyisu...	8.024	159	279988m	2.54	ug/mL	
14) p-Chlorophenylmethyisu...	8.223	111	419681m	2.55	ug/mL	

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