

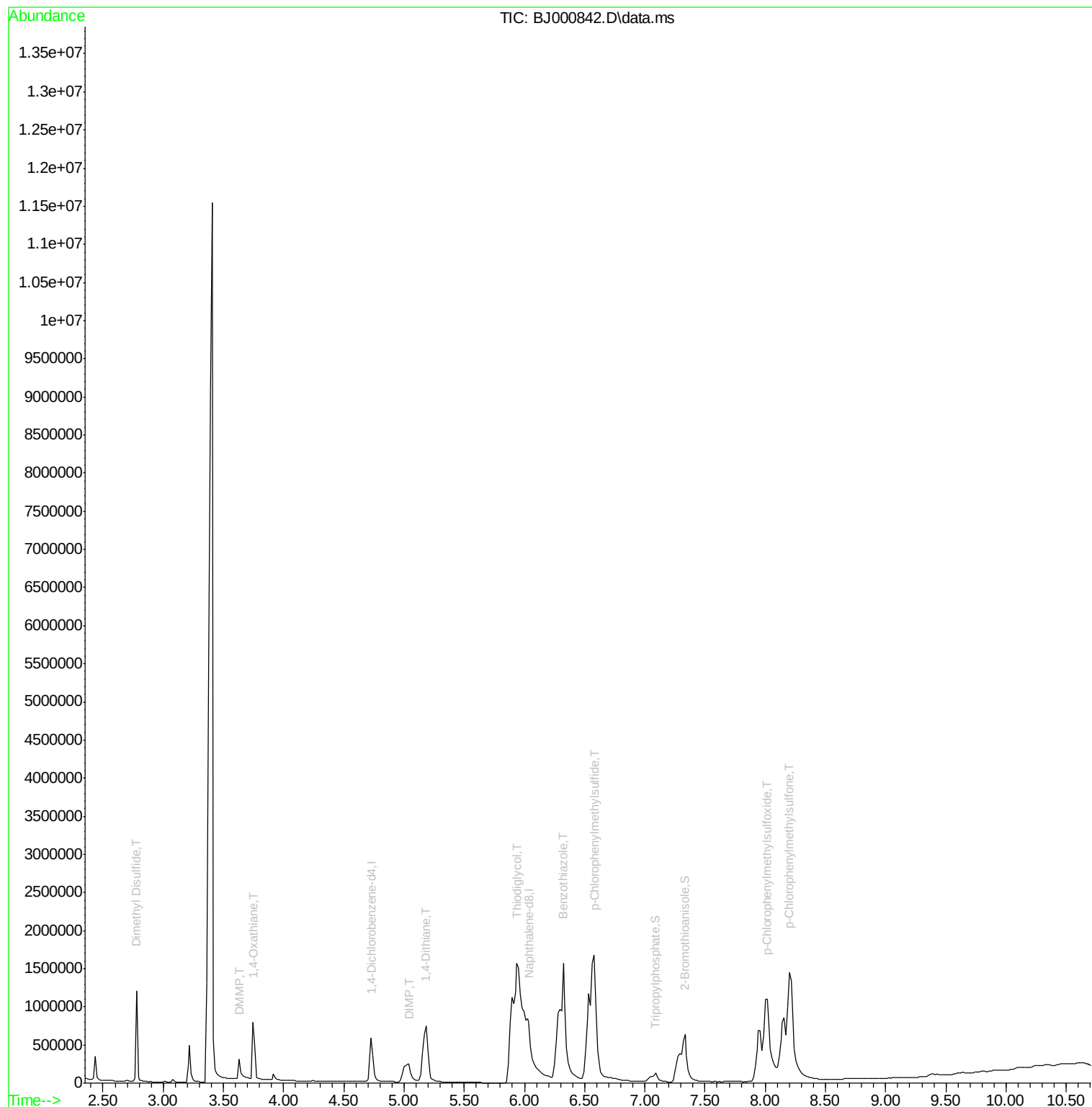
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
Data File : BJ000842.D
Acq On : 27 Apr 2012 23:43
Operator : HLM
Sample : PB62635BSD
Misc : WATER BNA_J HLM
ALS Vial : 21 Sample Multiplier: 1

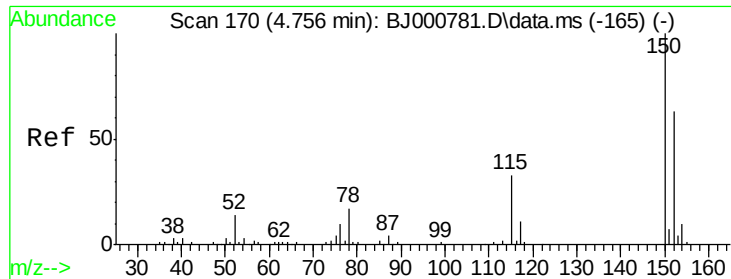
Instrument :
BNA_J
ClientSampleId :
PB62635BSD

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:43 AM

Quant Time: May 03 01:45:19 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: 4.728 min Scan# 16

Delta R.T. -0.025 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

Instrument :

BNA_J

ClientSampleId :

PB62635BSD

Tgt Ion:152 Resp: 242572

Ion Ratio Lower Upper

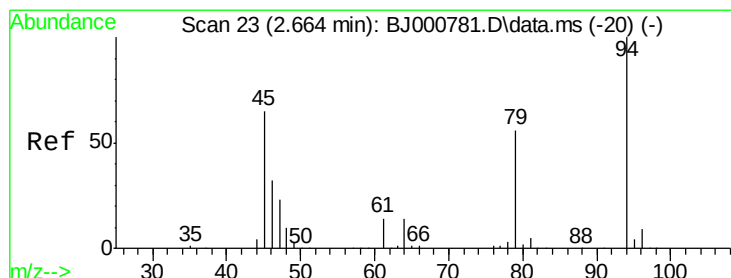
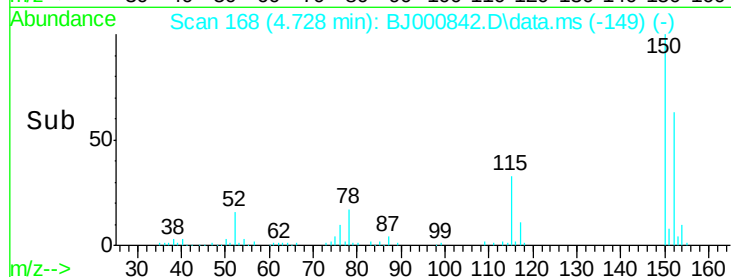
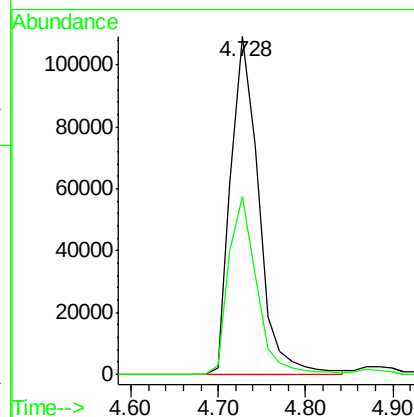
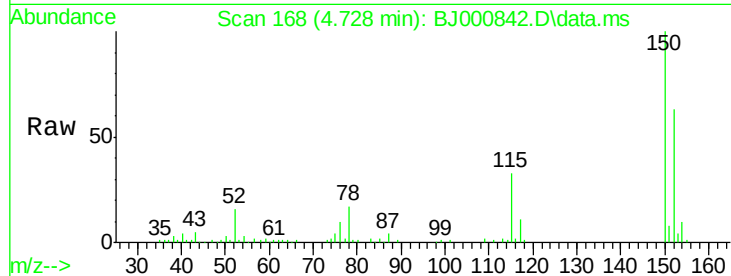
152 100

115 52.8 25.8 65.8

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#2

Dimethyl Disulfide

Concen: 4.00 ug/mL

RT: 2.778 min Scan# 31

Delta R.T. 0.117 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

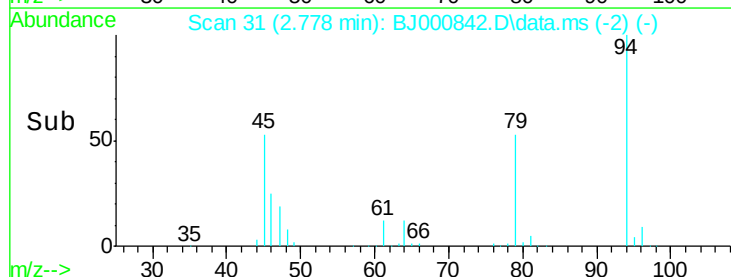
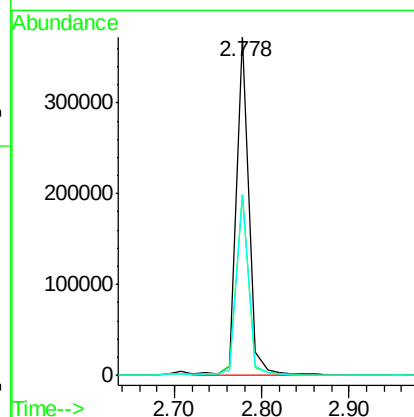
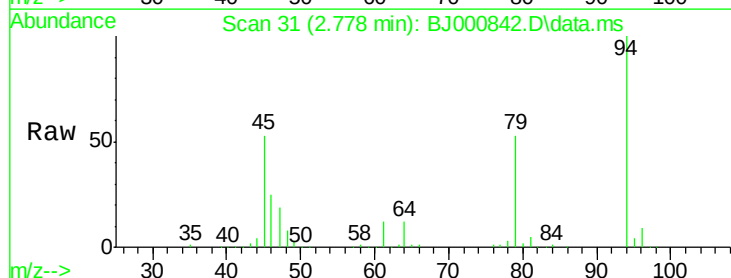
Tgt Ion: 94 Resp: 357709

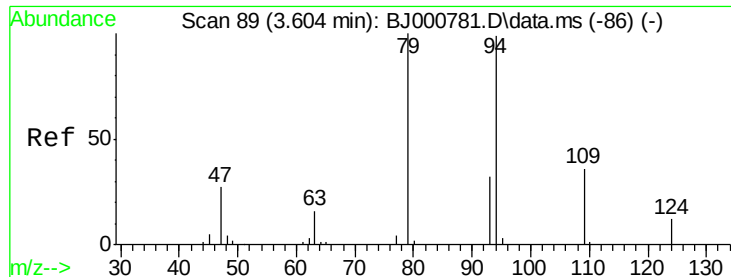
Ion Ratio Lower Upper

94 100

45 53.3 7.2 47.2#

79 53.5 21.6 61.6





#3

DMMP

Concen: 1.59 ug/mL

RT: 3.632 min Scan# 91

Delta R.T. 0.018 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

Instrument :

BNA_J

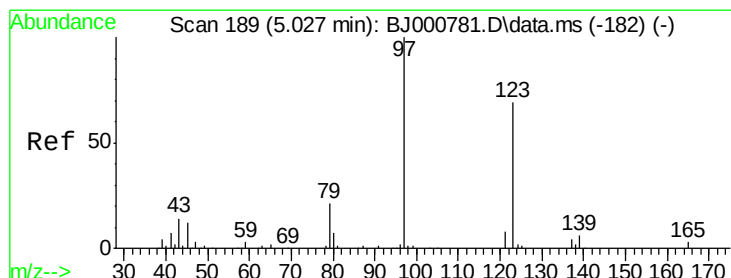
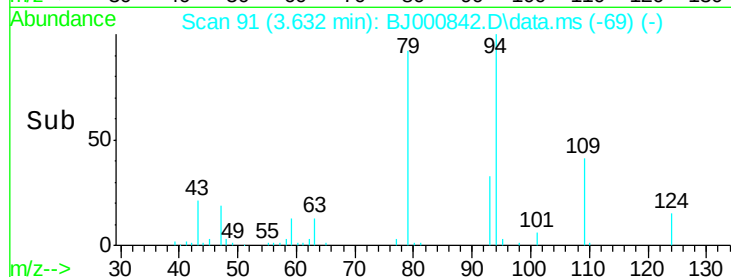
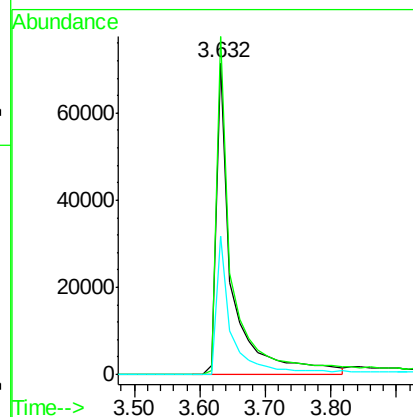
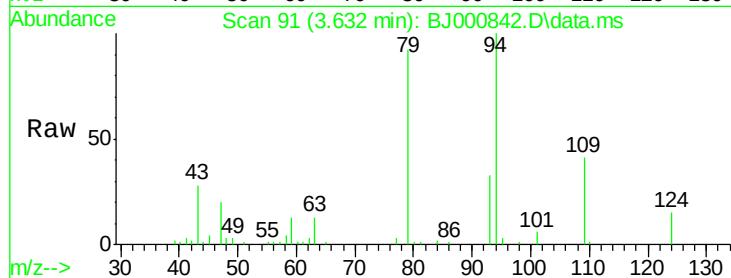
ClientSampleId :

PB62635BSD

Tgt Ion:	79	Resp:	121020
Ion Ratio	Lower	Upper	
79	100		
94	108.6	80.8	120.8
109	44.5	17.5	57.5

Manual Integrations
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#4

DIMP

Concen: 1.86 ug/mL

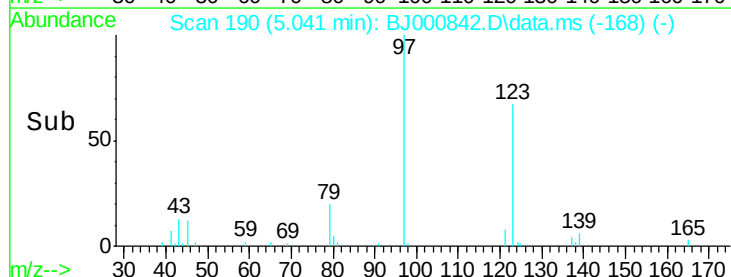
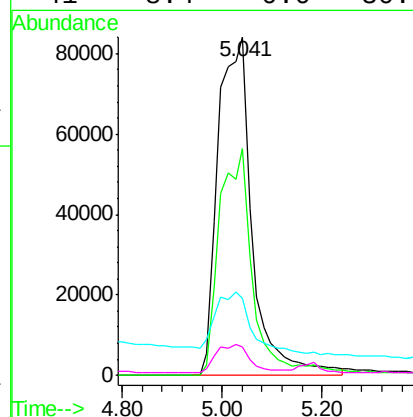
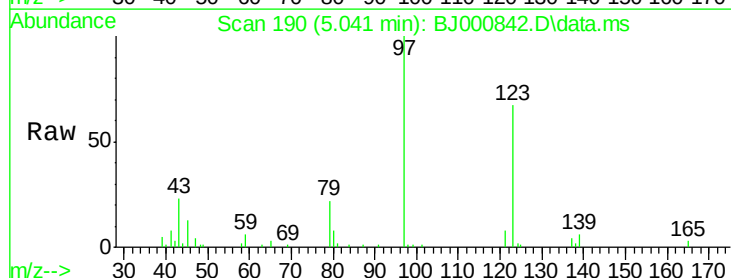
RT: 5.041 min Scan# 190

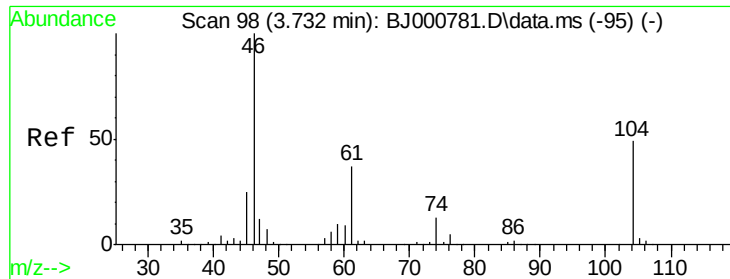
Delta R.T. 0.018 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

Tgt Ion:	97	Resp:	397222
Ion Ratio	Lower	Upper	
97	100		
123	67.0	39.1	79.1
43	22.8	0.9	40.9
41	8.4	0.0	30.0





#5

1,4-Oxathiane

Concen: 3.68 ug/mL

RT: 3.746 min Scan# 99

Delta R.T. 0.018 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

Instrument :

BNA_J

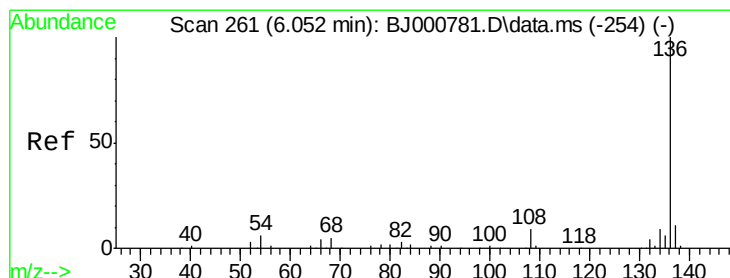
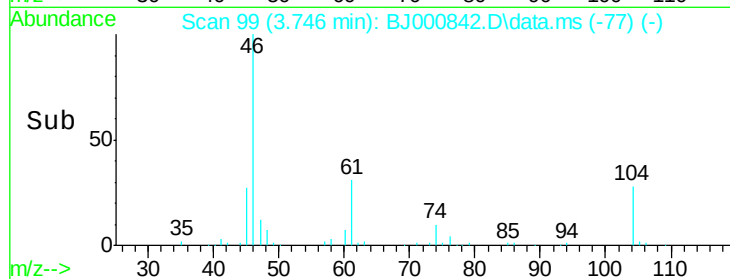
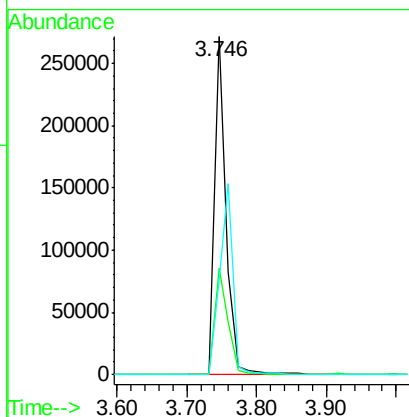
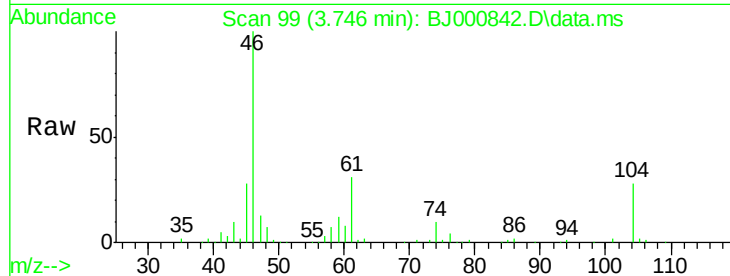
ClientSampleId :

PB62635BSD

Tgt Ion	Ratio	Lower	Upper
46	100		
61	31.3	22.0	62.0
104	28.2	73.6	113.6

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

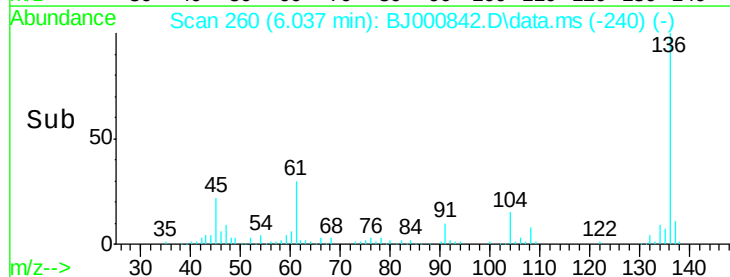
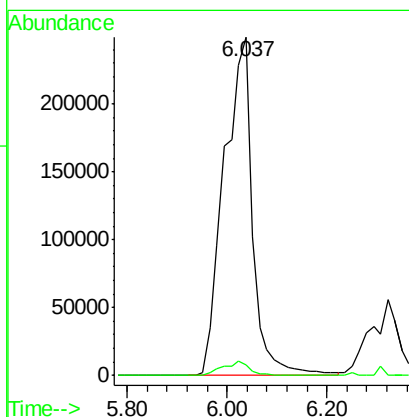
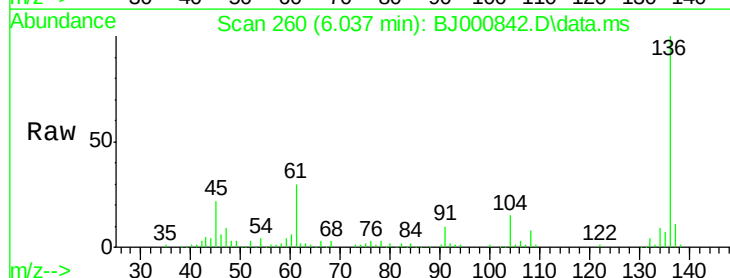
RT: 6.037 min Scan# 260

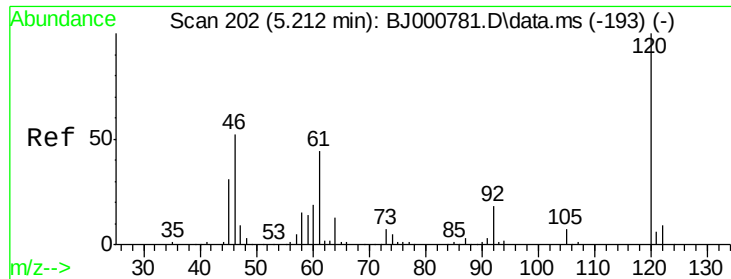
Delta R.T. -0.011 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

Tgt Ion	Ratio	Lower	Upper
136	100		
68	3.2	0.0	23.1





#7

1,4-Dithiane

Concen: 4.50 ug/mL

RT: 5.183 min Scan# 20

Delta R.T. -0.011 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

Instrument :

BNA_J

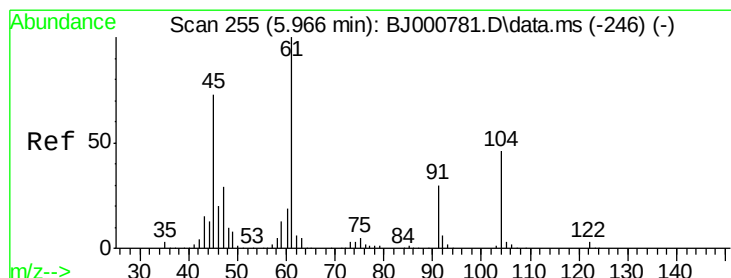
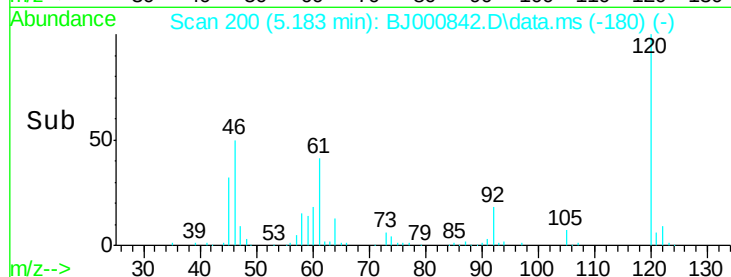
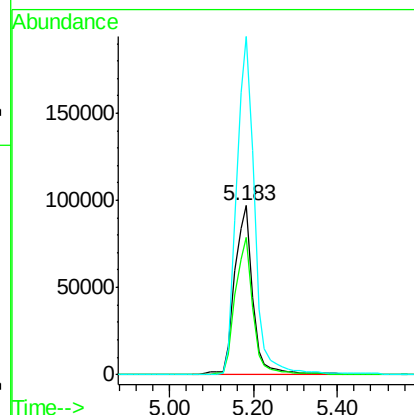
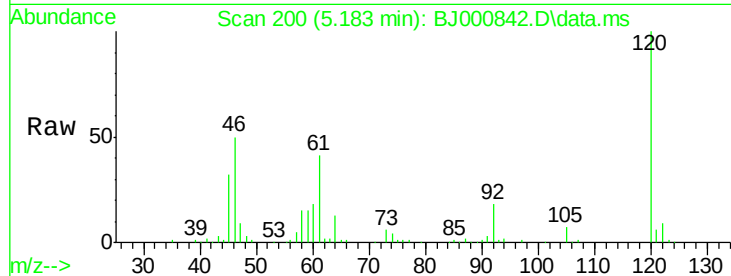
ClientSampleId :

PB62635BSD

Tgt Ion	Ratio	Resp	Lower	Upper
46	100	293291		
61	81.1	56.7	96.7	
120	200.0	148.6	188.6	#

Manual Integrations
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5/3/2012 1:42:43 AM



#8

Thiodiglycol

Concen: 40.19 ug/mL m

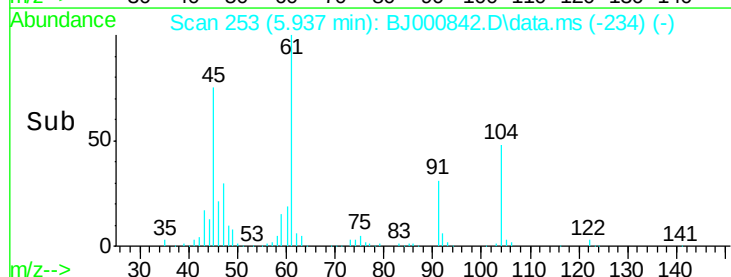
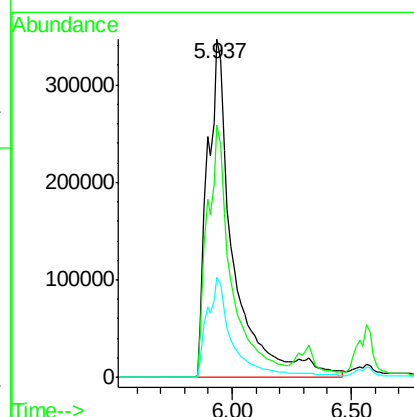
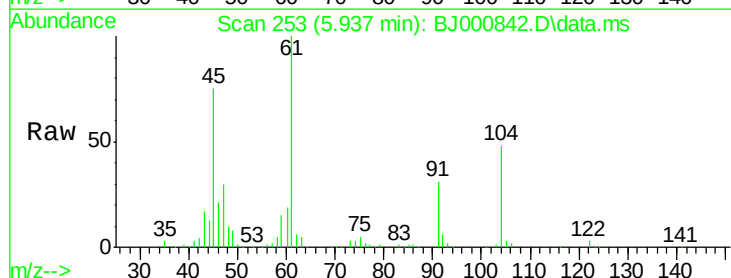
RT: 5.937 min Scan# 253

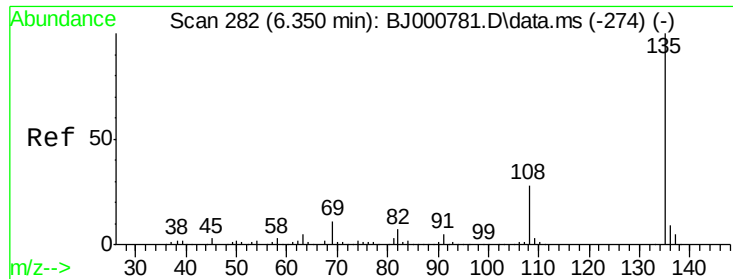
Delta R.T. -0.025 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	2632615		
45	74.7	56.4	96.4	
47	29.6	10.1	50.1	





#9

Benzothiazole

Concen: 10.28 ug/mL

RT: 6.322 min Scan# 28

Delta R.T. -0.025 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

Instrument :

BNA_J

ClientSampleId :

PB62635BSD

Tgt Ion:135 Resp: 2523868

Ion Ratio Lower Upper

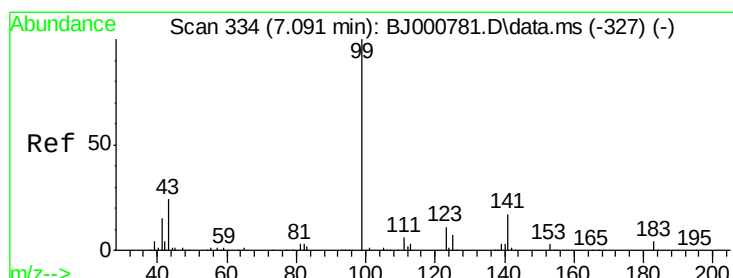
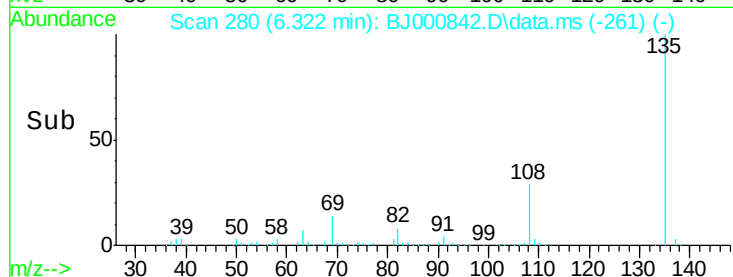
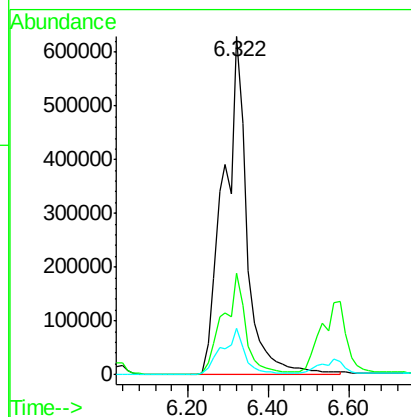
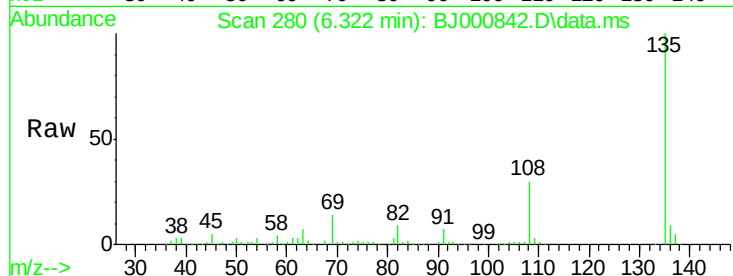
135 100

108 30.0 7.0 47.0

69 13.8 0.0 30.4

Manual Integrations
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5/3/2012 1:42:43 AM



#10

Tripropylphosphate

Concen: 0.57 ug/mL

RT: 7.090 min Scan# 334

Delta R.T. 0.004 min

Lab File: BJ000842.D

Acq: 27 Apr 2012 23:43

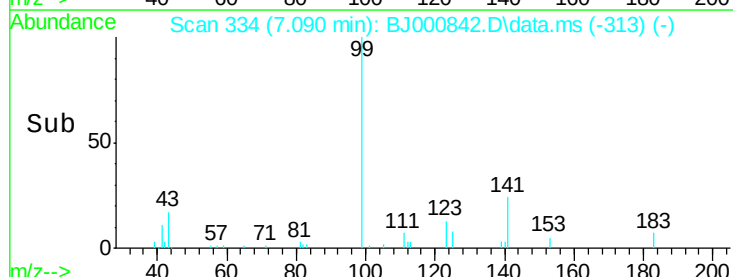
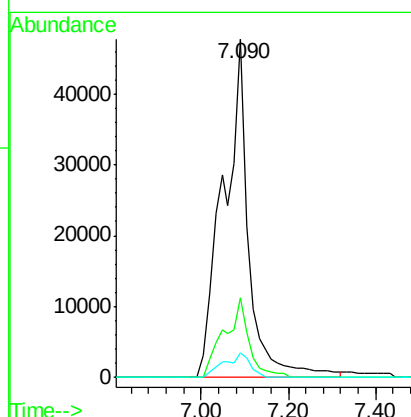
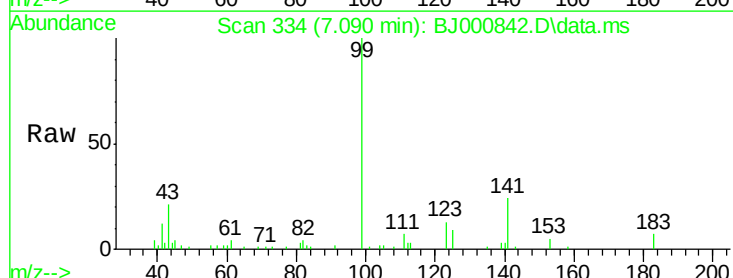
Tgt Ion: 99 Resp: 192042

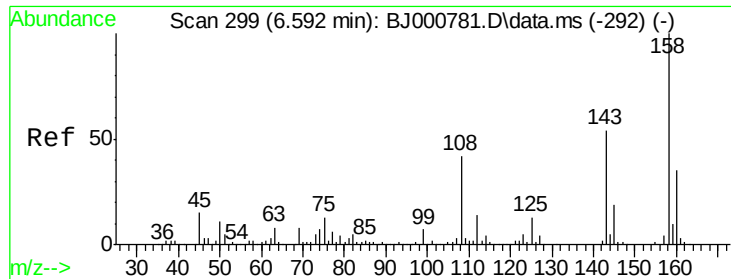
Ion Ratio Lower Upper

99 100

141 22.8 18.7 28.1

183 7.2 6.2 9.2





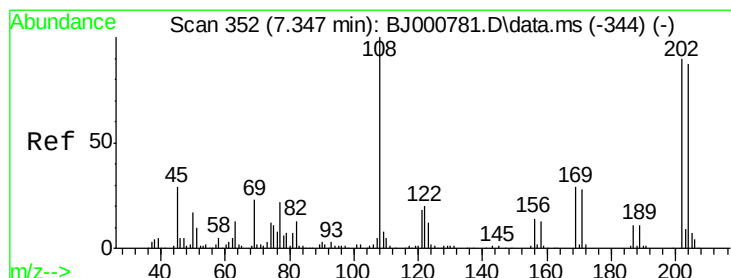
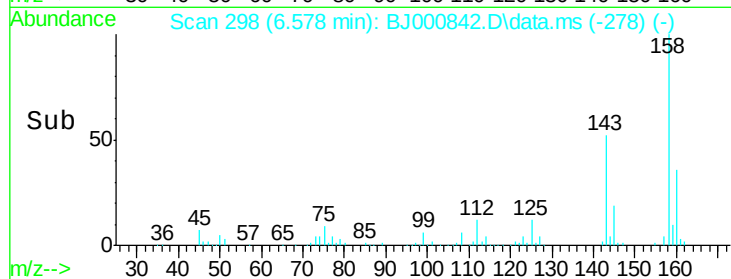
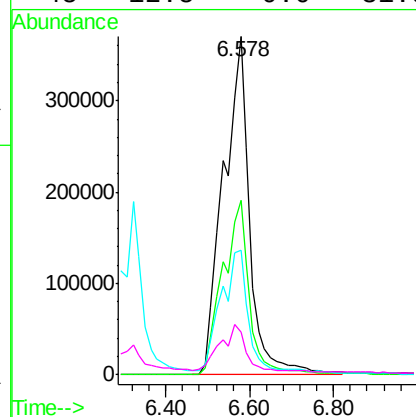
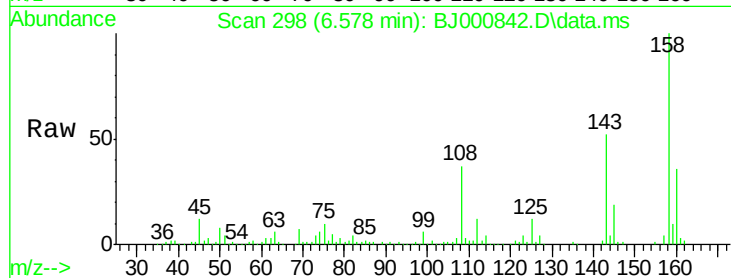
#11
p-Chlorophenylmethylsulfide
Concen: 9.46 ug/mL
RT: 6.578 min Scan# 29
Delta R.T. -0.011 min
Lab File: BJ000842.D
Acq: 27 Apr 2012 23:43

Instrument :
BNA_J
ClientSampleId :
PB62635BSD

Tgt Ion	Ratio	Lower	Upper
158	100		
143	51.5	32.7	72.7
108	36.8	18.7	58.7
45	12.5	0.0	31.9

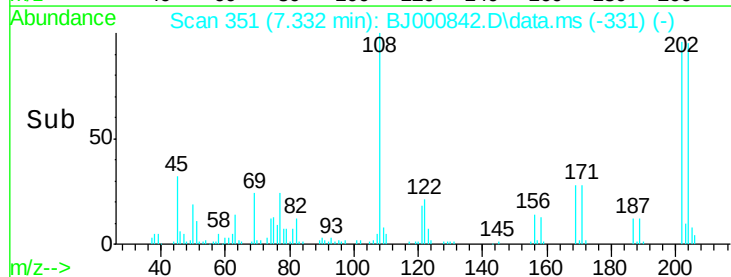
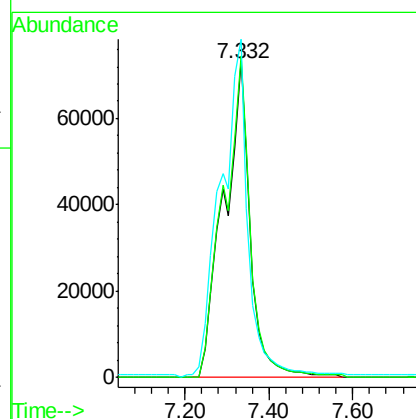
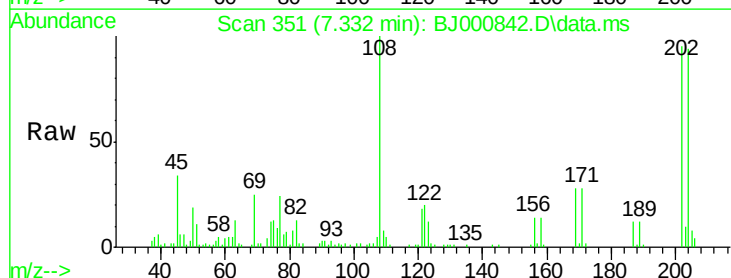
Manual Integrations
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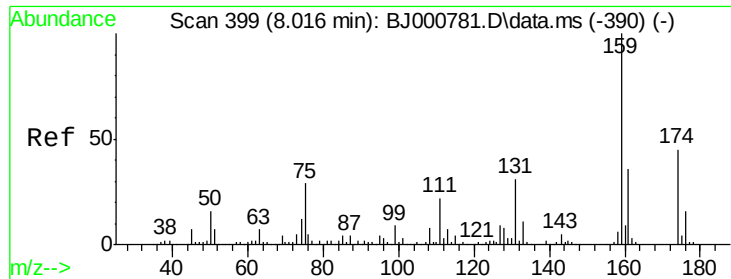
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#12
2-Bromothioanisole
Concen: 4.96 ug/mL
RT: 7.332 min Scan# 351
Delta R.T. -0.011 min
Lab File: BJ000842.D
Acq: 27 Apr 2012 23:43

Tgt Ion	Ratio	Lower	Upper
204	100		
202	101.4	82.9	122.9
108	106.8	70.0	110.0





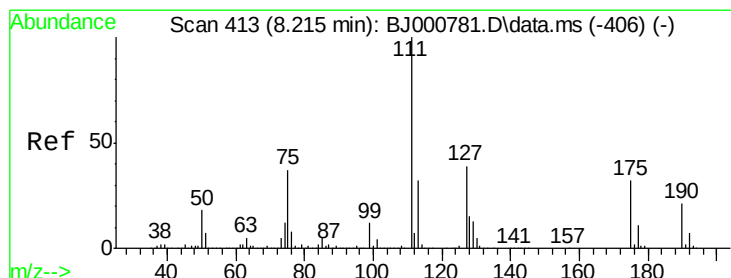
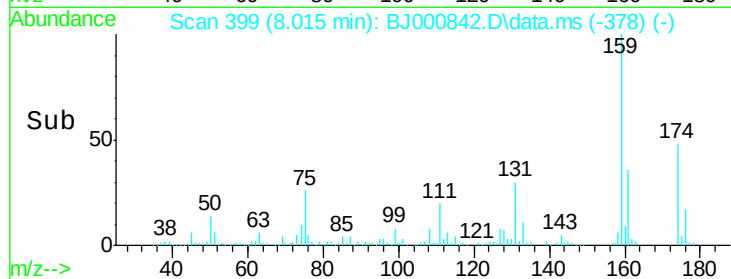
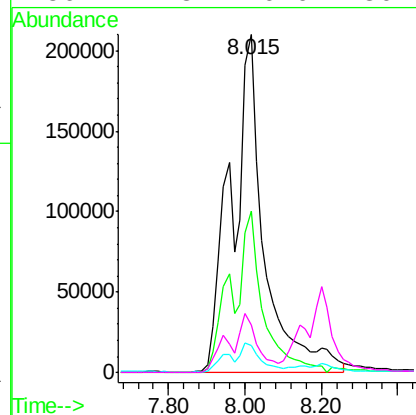
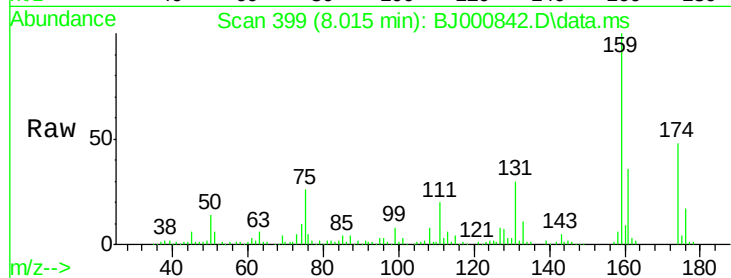
#13
p-Chlorophenylmethylsulfoxide
Concen: 13.05 ug/mL m
RT: 8.015 min Scan# 39
Delta R.T. 0.004 min
Lab File: BJ000842.D
Acq: 27 Apr 2012 23:43

Instrument :
BNA_J
ClientSampleId :
PB62635BSD

Tgt Ion	Ratio	Lower	Upper
159	100		
174	31.3	28.0	68.0
108	4.8	0.0	28.5
50	7.3	0.0	36.1

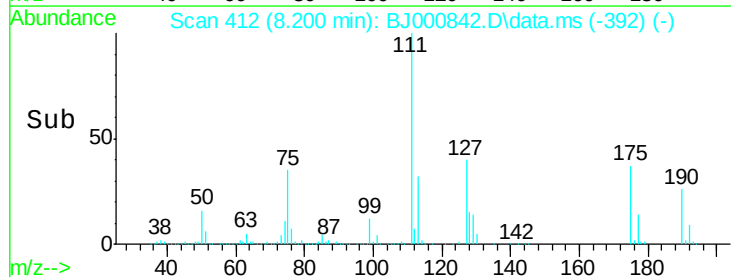
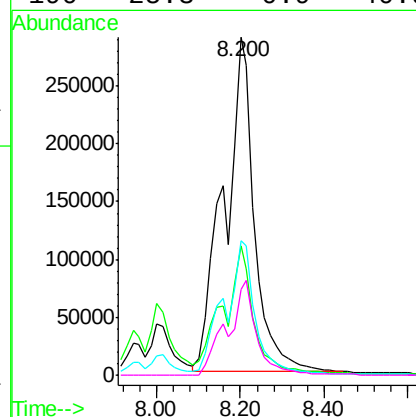
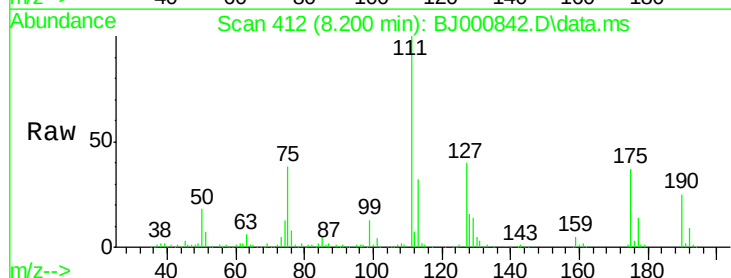
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#14
p-Chlorophenylmethylsulfone
Concen: 10.32 ug/mL
RT: 8.200 min Scan# 412
Delta R.T. -0.011 min
Lab File: BJ000842.D
Acq: 27 Apr 2012 23:43

Tgt Ion	Ratio	Lower	Upper
111	100		
75	38.3	18.5	58.5
127	39.8	19.3	59.3
190	25.3	0.9	40.9



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
 Data File : BJ000842.D
 Acq On : 27 Apr 2012 23:43
 Operator : HLM
 Sample : PB62635BSD
 Misc : WATER BNA_J HLM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62635BSD

Manual Integrations
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AHPatel
 5/3/2012 1:42:43 AM

Quant Time: May 03 01:45:19 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	4.728	152	242572	2.00	ug/mL	-0.02
6) Naphthalene-d8	6.037	136	986438	2.00	ug/mL	-0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.090	99	192042	0.57	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	114.00%	
12) 2-Bromothioanisole	7.332	204	320848	4.96	ug/mL	-0.01
Spiked Amount 5.000	Range 70 - 130		Recovery	=	99.20%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.778	94	357709	4.00	ug/mL#	69
3) DMMP	3.632	79	121020	1.59	ug/mL	91
4) DIMP	5.041	97	397222	1.86	ug/mL	92
5) 1,4-Oxathiane	3.746	46	316862	3.68	ug/mL#	48
7) 1,4-Dithiane	5.183	46	293291	4.50	ug/mL#	83
8) Thiodiglycol	5.937	61	2632615m	40.19	ug/mL	
9) Benzothiazole	6.322	135	2523868	10.28	ug/mL	93
11) p-Chlorophenylmethyisu...	6.578	158	1607319	9.46	ug/mL	98
13) p-Chlorophenylmethyisu...	8.015	159	1237028m	13.05	ug/mL	
14) p-Chlorophenylmethyisu...	8.200	111	1442168	10.32	ug/mL	98

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