

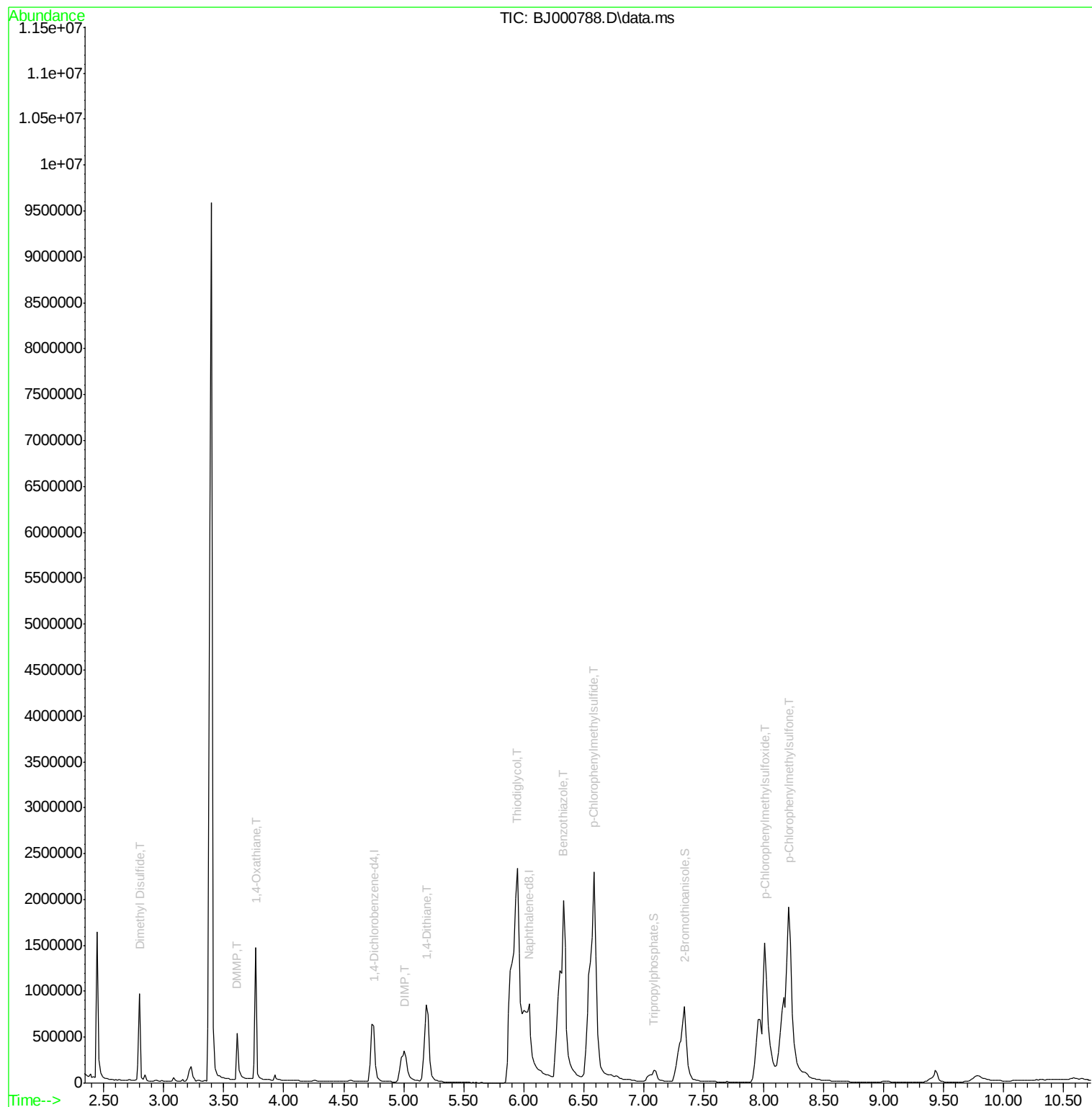
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
Data File : BJ000788.D
Acq On : 26 Apr 2012 16:53
Operator : HLM
Sample : PB62520BS
Misc : WATER BNA_J HLM
ALS Vial : 4 Sample Multiplier: 1

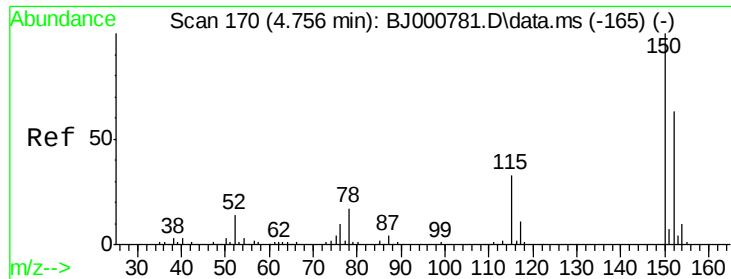
Instrument :
BNA_J
ClientSampleId :
PB62520BS

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:38 AM

Quant Time: May 03 01:29:43 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Apr 27 11:32:02 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.750 min Scan# 17

Delta R.T. -0.015 min

Lab File: BJ000788.D

Acq: 26 Apr 2012 16:53

Instrument :

BNA_J

ClientSampleId :

PB62520BS

Tgt Ion:152 Resp: 280073

Ion Ratio Lower Upper

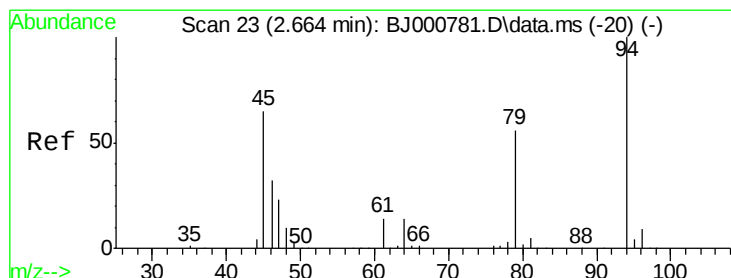
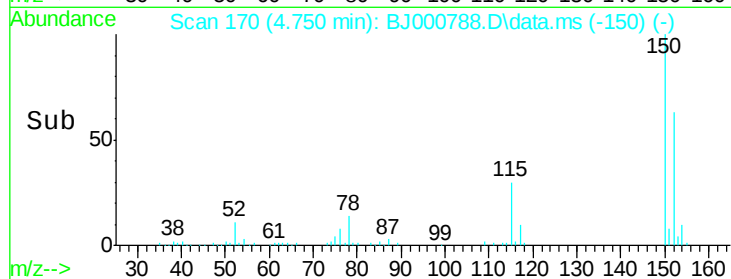
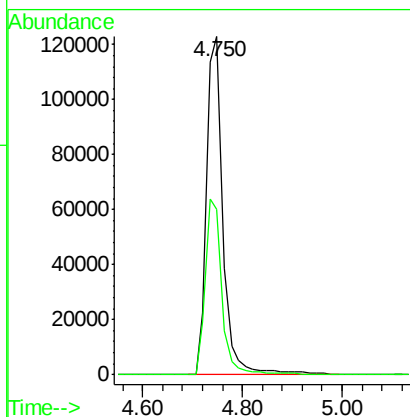
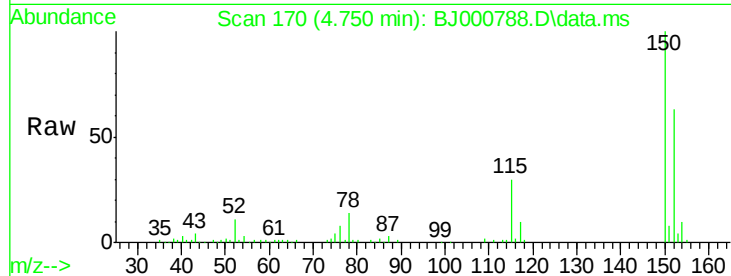
152 100

115 48.7 24.2 64.2

Manual Integrations
APPROVED

AHPatel

5/3/2012 1:41:38 AM



#2

Dimethyl Disulfide

Concen: 3.83 ug/mL

RT: 2.800 min Scan# 33

Delta R.T. 0.128 min

Lab File: BJ000788.D

Acq: 26 Apr 2012 16:53

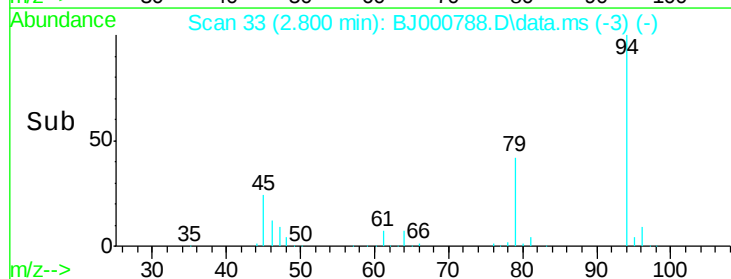
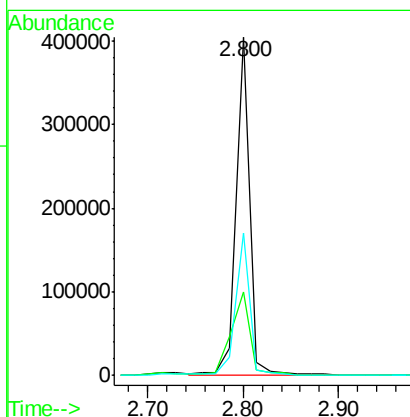
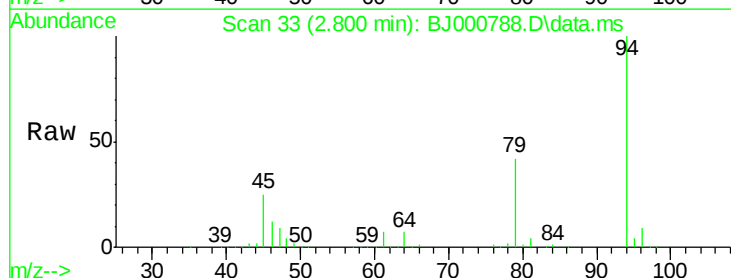
Tgt Ion: 94 Resp: 395375

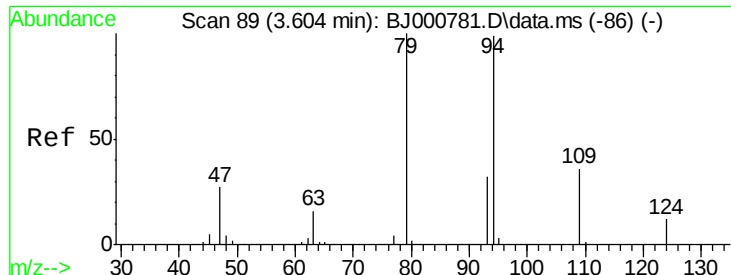
Ion Ratio Lower Upper

94 100

45 24.6 42.7 82.7#

79 42.0 35.3 75.3





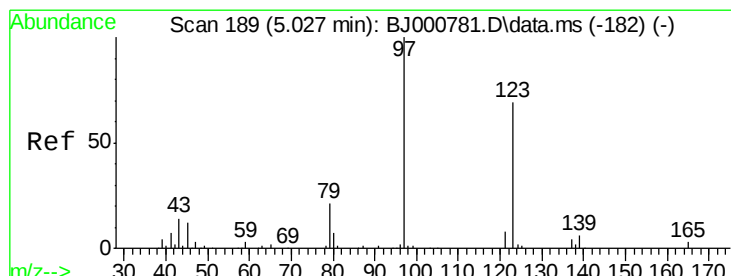
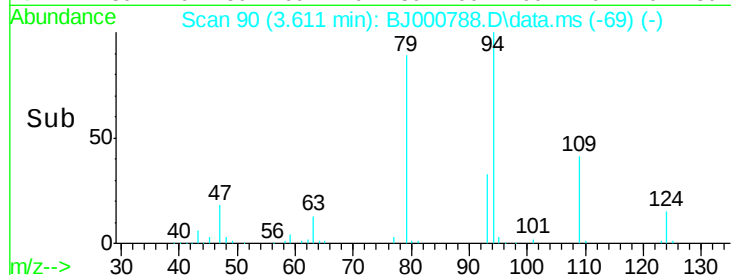
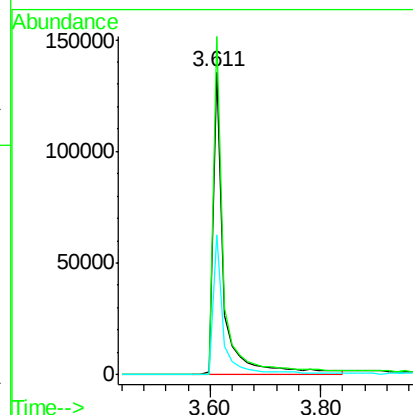
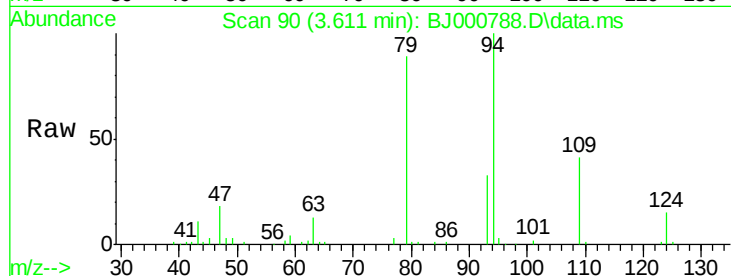
#3
DMMP
Concen: 2.10 ug/mL
RT: 3.611 min Scan# 90
Delta R.T. -0.001 min
Lab File: BJ000788.D
Acq: 26 Apr 2012 16:53

Instrument :
BNA_J
ClientSampleId :
PB62520BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
79	100		
94	111.8	85.9	125.9
109	46.1	20.8	60.8

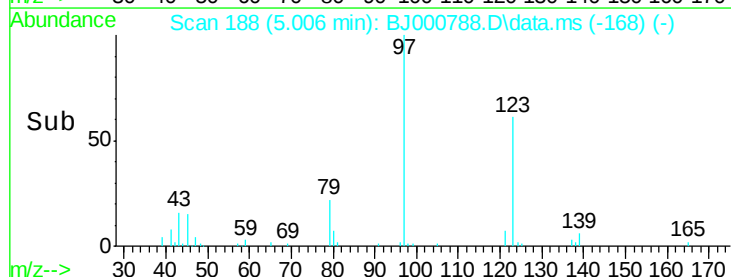
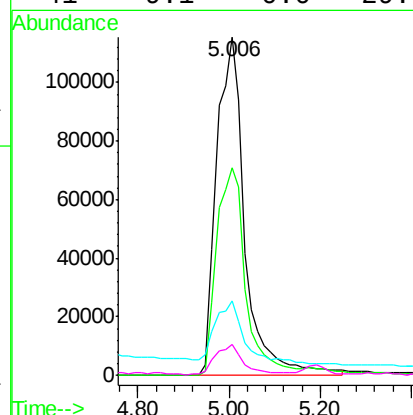
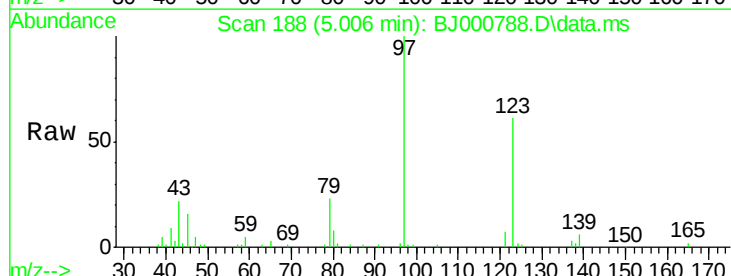
Manual Integrations
APPROVED

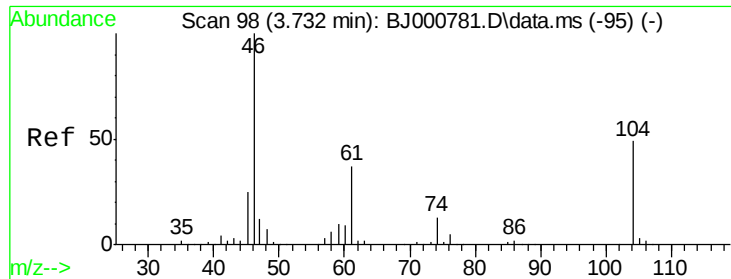
AHPatel
5/3/2012 1:41:38 AM



#4
DIMP
Concen: 2.00 ug/mL
RT: 5.006 min Scan# 188
Delta R.T. -0.015 min
Lab File: BJ000788.D
Acq: 26 Apr 2012 16:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
97	100		
123	61.3	38.9	78.9
43	22.2	0.0	38.8
41	9.1	0.0	29.0





#5

1,4-Oxathiane

Concen: 4.15 ug/mL

RT: 3.768 min Scan# 101

Delta R.T. 0.028 min

Lab File: BJ000788.D

Acq: 26 Apr 2012 16:53

Instrument :

BNA_J

ClientSampleId :

PB62520BS

Tgt Ion: 46 Resp: 411972

Ion Ratio Lower Upper

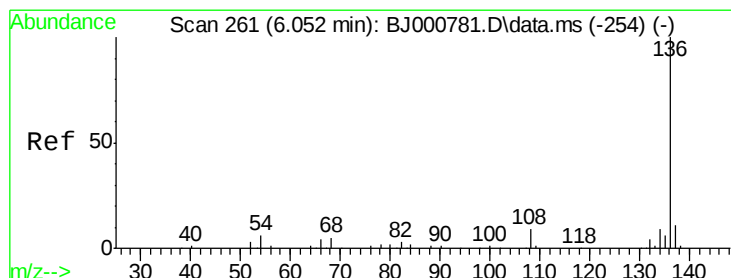
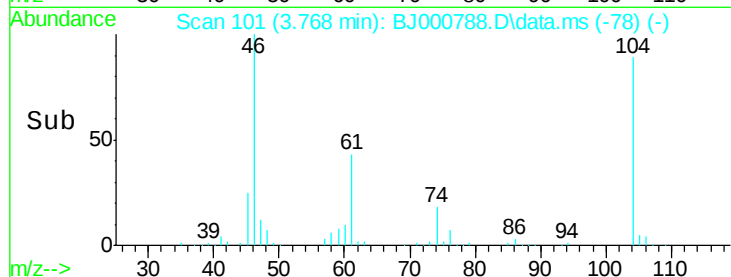
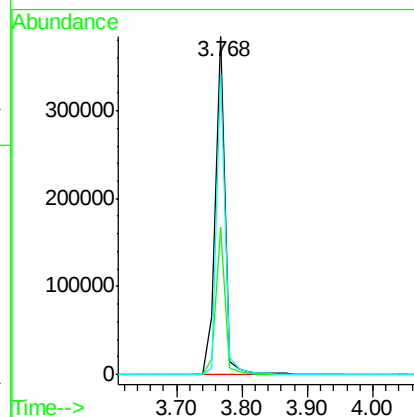
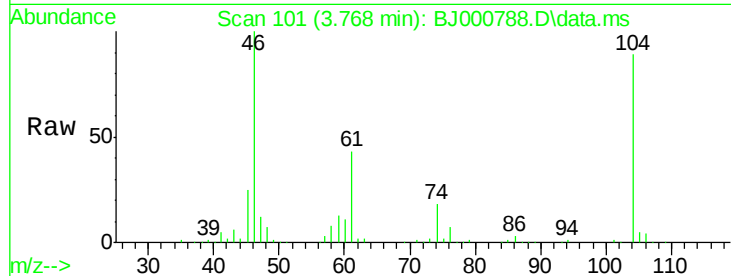
46 100

61 43.4 23.6 63.6

104 89.0 76.3 116.3

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:38 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.045 min Scan# 261

Delta R.T. -0.015 min

Lab File: BJ000788.D

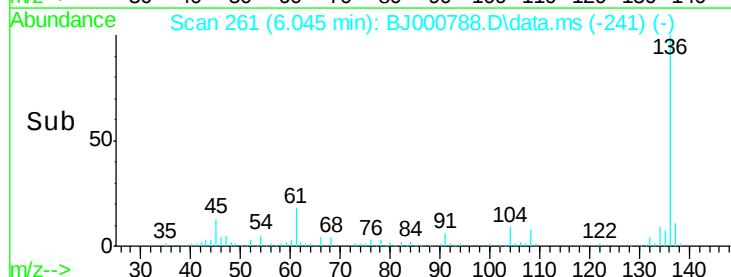
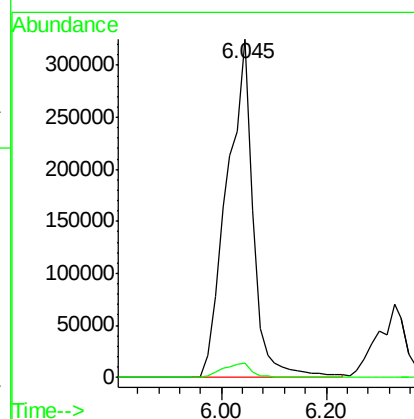
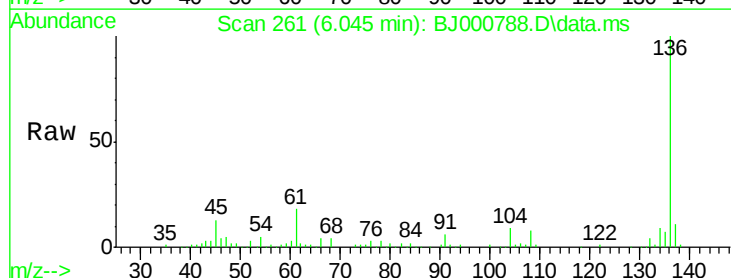
Acq: 26 Apr 2012 16:53

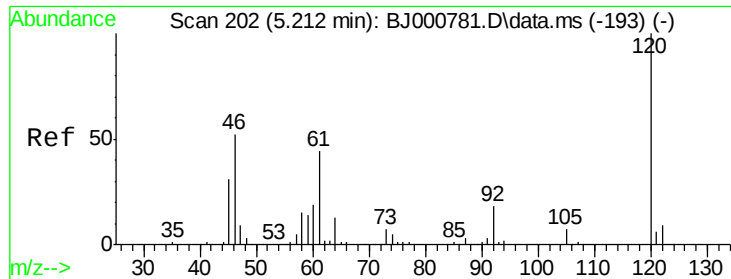
Tgt Ion: 136 Resp: 1127451

Ion Ratio Lower Upper

136 100

68 4.2 0.0 23.3





#7

1,4-Dithiane

Concen: 4.62 ug/mL

RT: 5.191 min Scan# 20

Delta R.T. -0.015 min

Lab File: BJ000788.D

Acq: 26 Apr 2012 16:53

Instrument :

BNA_J

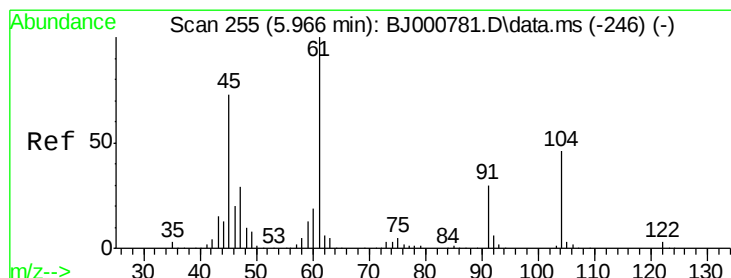
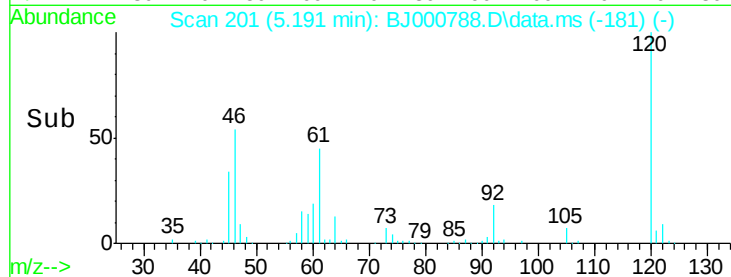
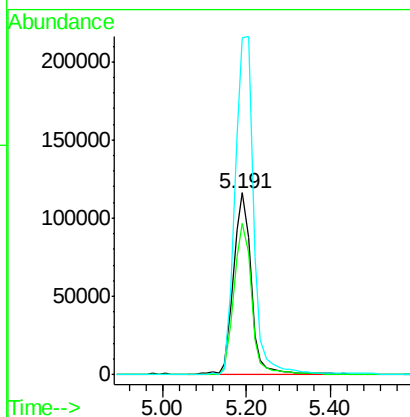
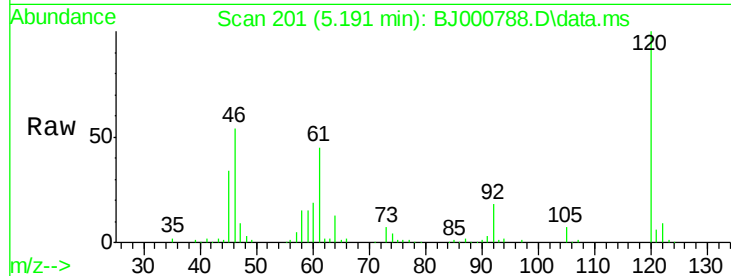
ClientSampleId :

PB62520BS

Tgt Ion	Ratio	Lower	Upper
46	100		
61	83.4	60.3	100.3
120	185.6	146.0	186.0

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:38 AM



#8

Thiodiglycol

Concen: 41.96 ug/mL m

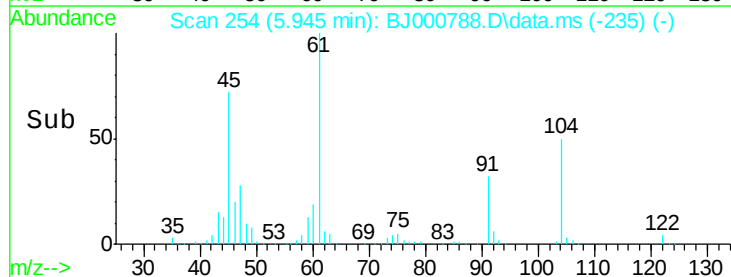
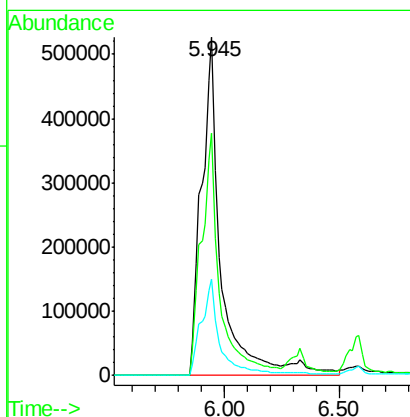
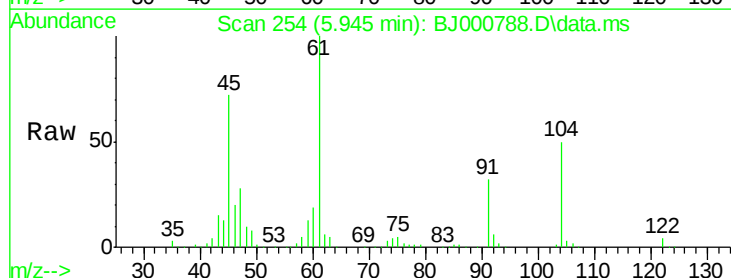
RT: 5.945 min Scan# 254

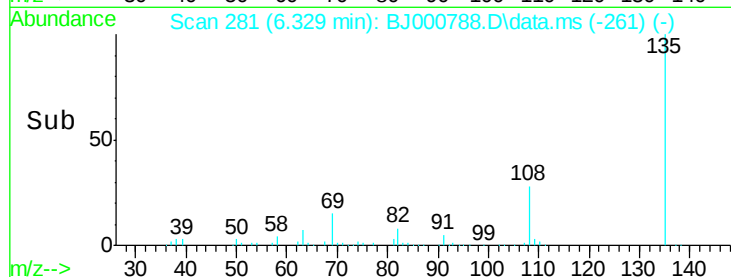
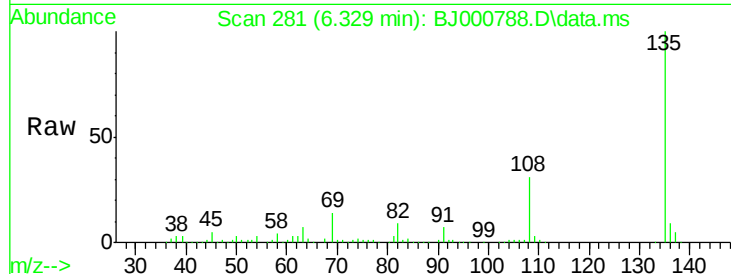
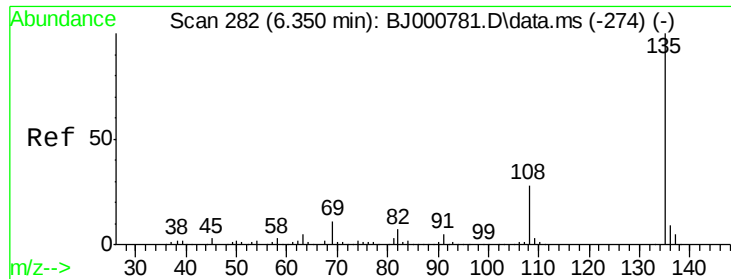
Delta R.T. -0.029 min

Lab File: BJ000788.D

Acq: 26 Apr 2012 16:53

Tgt Ion	Ratio	Lower	Upper
61	100		
45	71.6	50.6	90.6
47	28.5	8.3	48.3





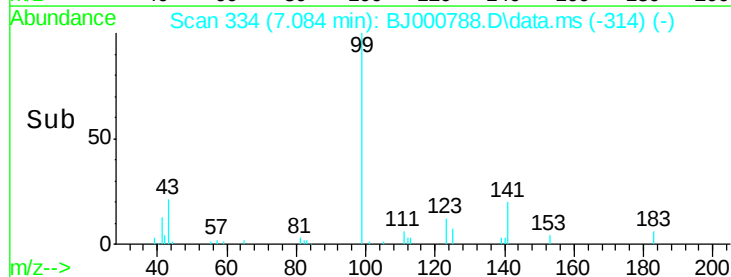
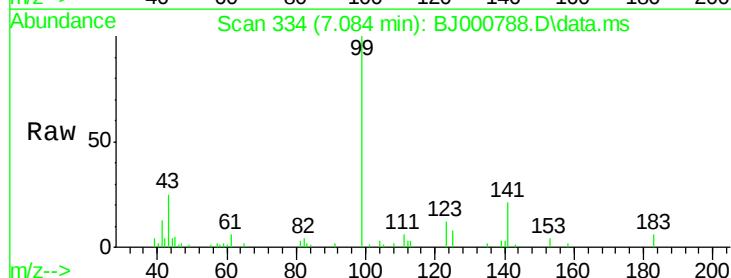
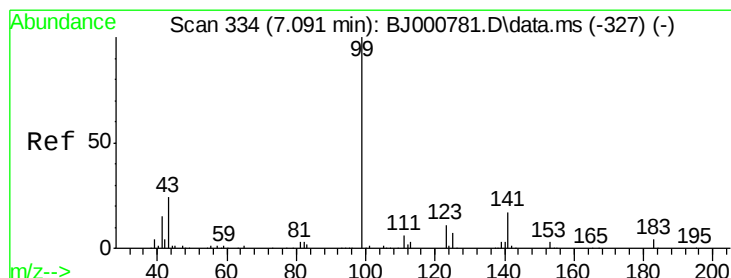
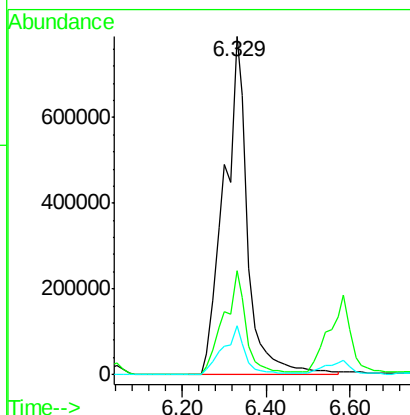
#9
Benzothiazole
Concen: 11.01 ug/mL
RT: 6.329 min Scan# 281
Delta R.T. -0.015 min
Lab File: BJ000788.D
Acq: 26 Apr 2012 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
135	100	3090718		
108	30.9		11.1	51.1
69	14.4		0.0	34.6

Instrument :
BNA_J
ClientSampleId :
PB62520BS

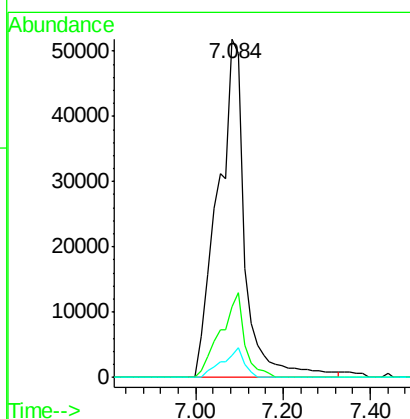
Manual Integrations
APPROVED

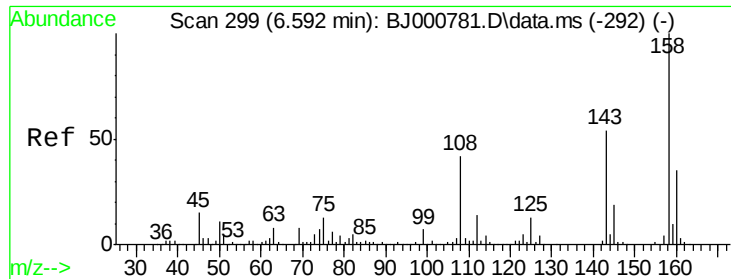
AHPatel
5/3/2012 1:41:38 AM



#10
Tripropylphosphate
Concen: 0.58 ug/mL
RT: 7.084 min Scan# 334
Delta R.T. -0.015 min
Lab File: BJ000788.D
Acq: 26 Apr 2012 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	221886		
141	22.3		18.7	28.1
183	6.9		6.1	9.1





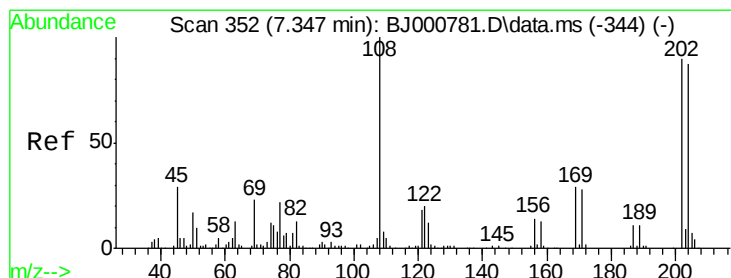
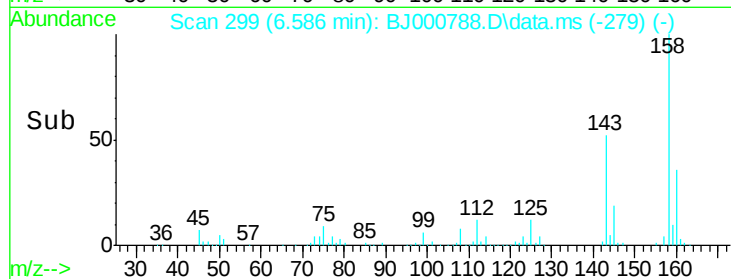
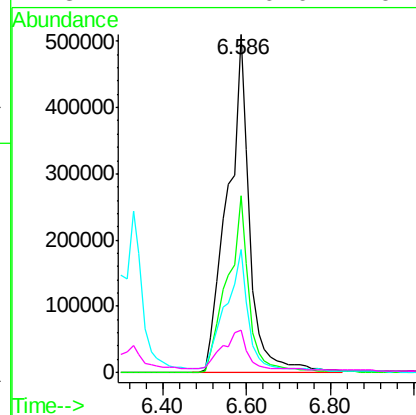
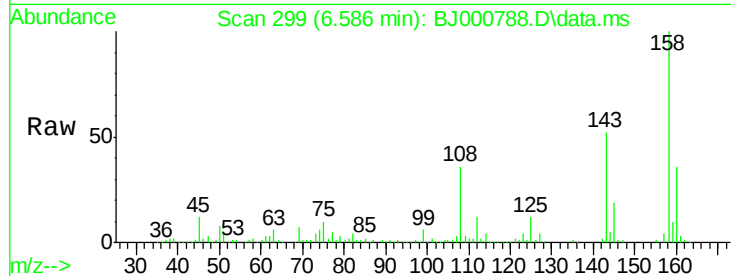
#11
p-Chlorophenylmethylsulfide
Concen: 9.68 ug/mL
RT: 6.586 min Scan# 299
Delta R.T. -0.015 min
Lab File: BJ000788.D
Acq: 26 Apr 2012 16:53

Instrument :
BNA_J
ClientSampleId :
PB62520BS

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	1879233		
143	52.2		30.8	70.8
108	36.4		14.1	54.1
45	12.4		0.0	29.1

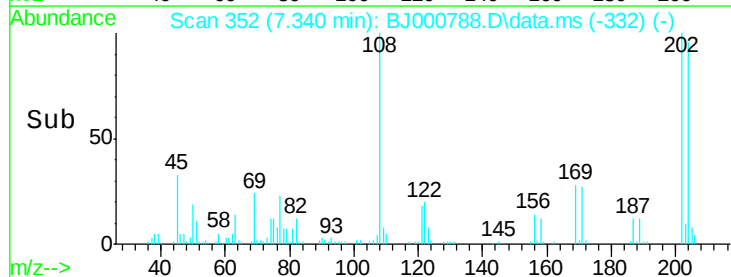
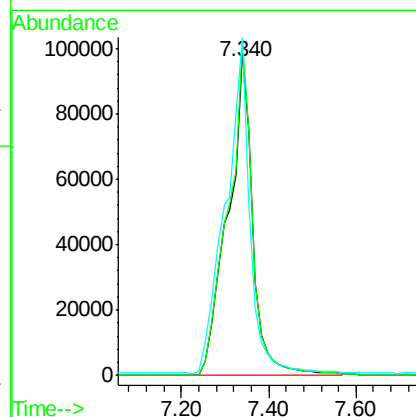
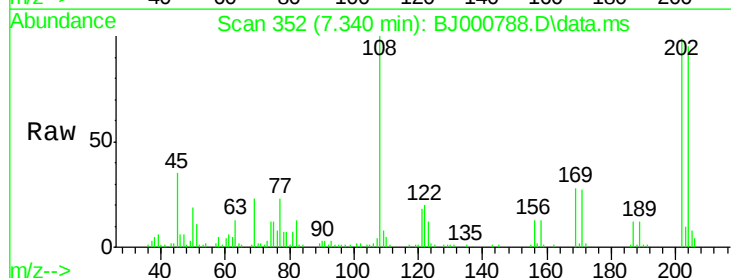
Manual Integrations
APPROVED

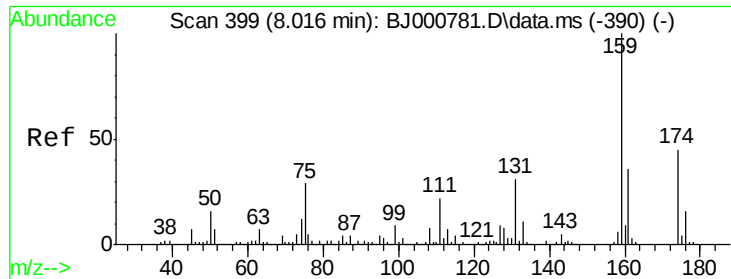
AHPatel
5/3/2012 1:41:38 AM



#12
2-Bromothioanisole
Concen: 5.21 ug/mL
RT: 7.340 min Scan# 352
Delta R.T. -0.015 min
Lab File: BJ000788.D
Acq: 26 Apr 2012 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	385255		
202	103.9		82.8	122.8
108	105.0		49.2	89.2#





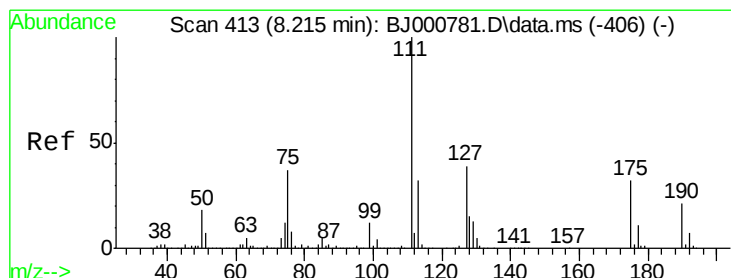
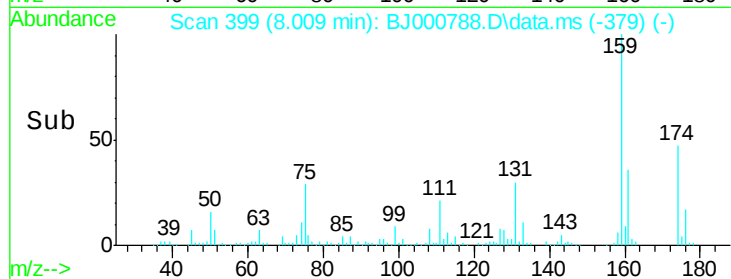
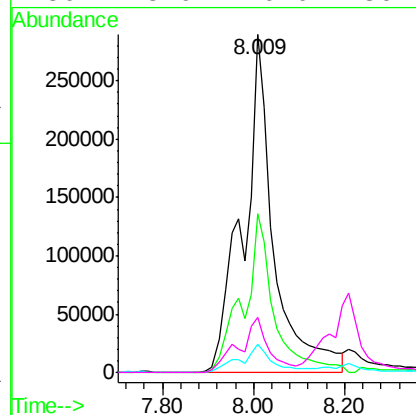
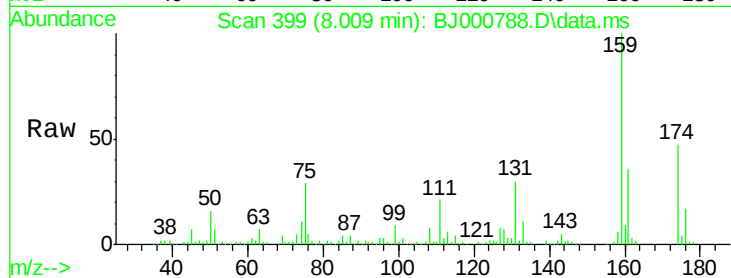
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.55 ug/mL
RT: 8.009 min Scan# 39
Delta R.T. -0.015 min
Lab File: BJ000788.D
Acq: 26 Apr 2012 16:53

Instrument :
BNA_J
ClientSampleId :
PB62520BS

Tgt Ion:	159	Resp:	1359484
Ion Ratio	Lower	Upper	
159	100		
174	46.9	28.6	68.6
108	8.6	0.0	28.2
50	15.9	0.0	36.1

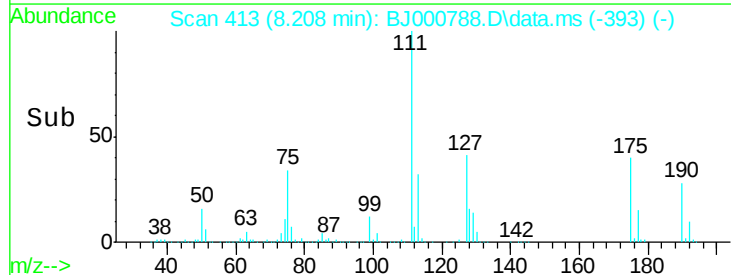
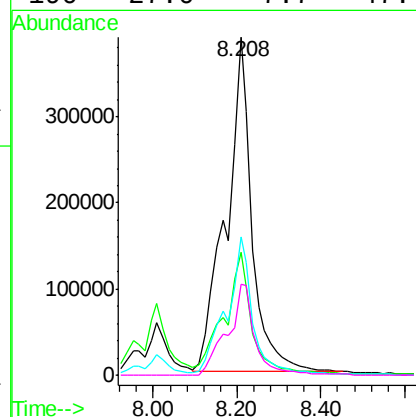
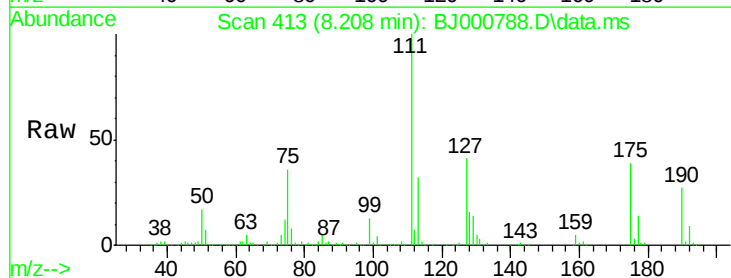
Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:38 AM



#14
p-Chlorophenylmethylsulfone
Concen: 10.43 ug/mL
RT: 8.208 min Scan# 413
Delta R.T. -0.015 min
Lab File: BJ000788.D
Acq: 26 Apr 2012 16:53

Tgt Ion:	111	Resp:	1664697
Ion Ratio	Lower	Upper	
111	100		
75	36.5	12.8	52.8
127	40.9	21.9	61.9
190	27.0	7.7	47.7



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000788.D
 Acq On : 26 Apr 2012 16:53
 Operator : HLM
 Sample : PB62520BS
 Misc : WATER BNA_J HLM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62520BS

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:41:38 AM

Quant Time: May 03 01:29:43 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Apr 27 11:32:02 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.750	152	280073	2.00	ug/mL	-0.01
6) Naphthalene-d8	6.045	136	1127451	2.00	ug/mL	-0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.084	99	221886	0.58	ug/mL	-0.01
Spiked Amount 0.500	Range 70 - 130		Recovery	=	116.00%	
12) 2-Bromothioanisole	7.340	204	385255	5.21	ug/mL	-0.01
Spiked Amount 5.000	Range 70 - 130		Recovery	=	104.20%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.800	94	395375	3.83	ug/mL#	65
3) DMMP	3.611	79	187948	2.10	ug/mL	93
4) DIMP	5.006	97	492660	2.00	ug/mL	96
5) 1,4-Oxathiane	3.768	46	411972	4.15	ug/mL	95
7) 1,4-Dithiane	5.191	46	344044	4.62	ug/mL	89
8) Thiodiglycol	5.945	61	3147117m	41.96	ug/mL	
9) Benzothiazole	6.329	135	3090718	11.01	ug/mL	100
11) p-Chlorophenylmethyisu...	6.586	158	1879233	9.68	ug/mL	97
13) p-Chlorophenylmethyisu...	8.009	159	1359484	12.55	ug/mL	98
14) p-Chlorophenylmethyisu...	8.208	111	1664697	10.43	ug/mL	97

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