

Data Path : Z:\HPCHEM1\BNA_J\data\BJ121012\
 Data File : BJ001321.D
 Acq On : 10 Dec 2012 16:30
 Operator : HLM
 Sample : CWA-4
 Misc : BNA_J HLM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_J
 LabSampleId :
 CWA-4

Quant Time: Dec 14 21:36:43 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ121012.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Wed Dec 05 11:26:13 2012
 Response via : Initial Calibration

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

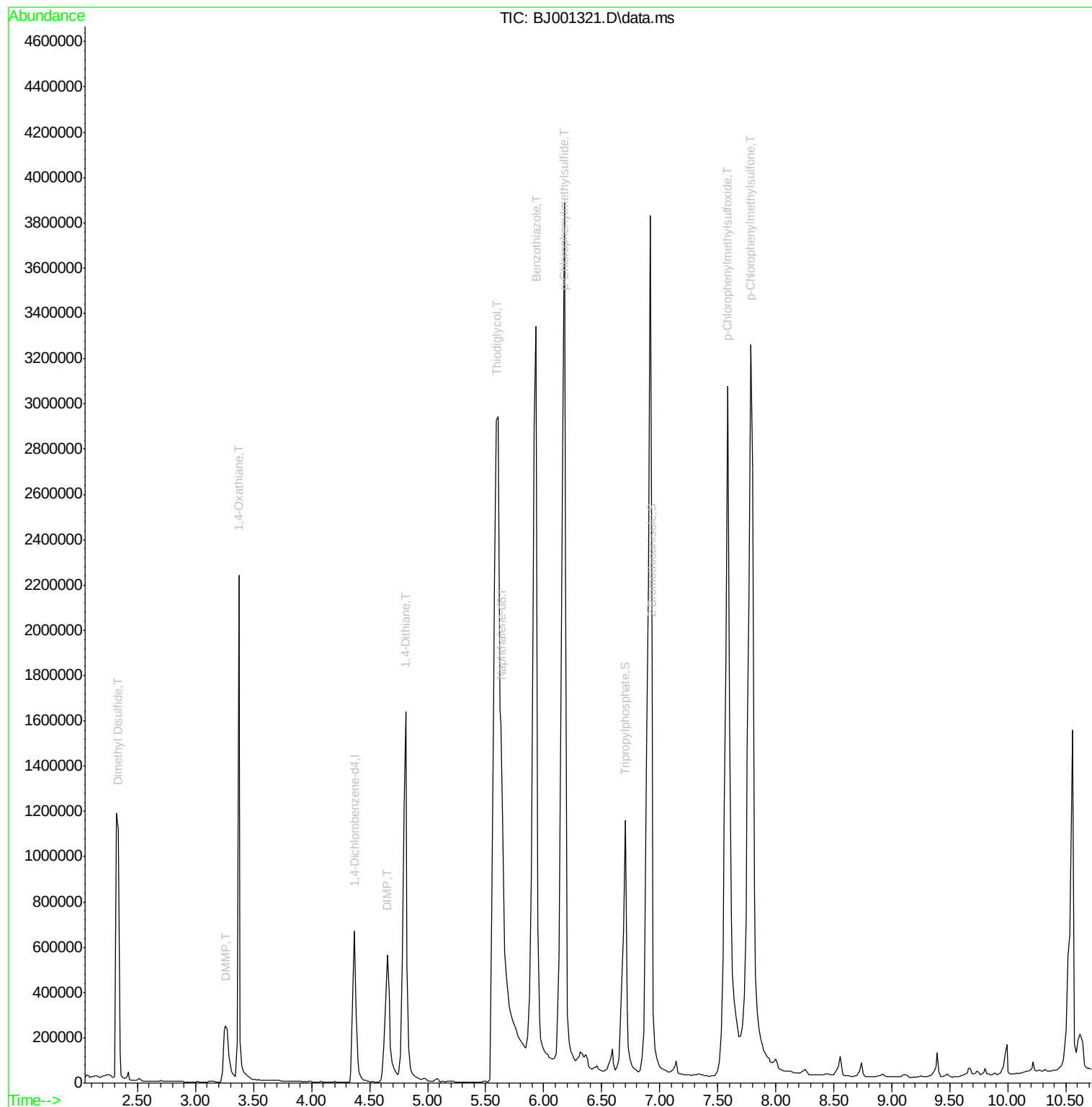
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.368	152	213844	2.00	ug/mL	0.00
6) Naphthalene-d8	5.635	136	898729	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	6.702	99	1044944	2.33	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	466.00%#	
12) 2-Bromothioanisole	6.930	204	1059566	14.16	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	283.20%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.333	94	472502	4.04	ug/mL	87
3) DMMP	3.258	79	215695	1.96	ug/mL	88
4) DIMP	4.653	97	524899	2.12	ug/mL	91
5) 1,4-Oxathiane	3.372	46	766573	5.94	ug/mL	92
7) 1,4-Dithiane	4.810	46	624324	5.73	ug/mL	92
8) Thiodiglycol	5.592	61	3574403m	38.75	ug/mL	
9) Benzothiazole	5.934	135	3086586	12.30	ug/mL	93
11) p-Chlorophenylmethyisu...	6.176	158	1744472	11.10	ug/mL	84
13) p-Chlorophenylmethyisu...	7.585	159	1505547	14.17	ug/mL	97
14) p-Chlorophenylmethyisu...	7.784	111	2000165	12.98	ug/mL	96

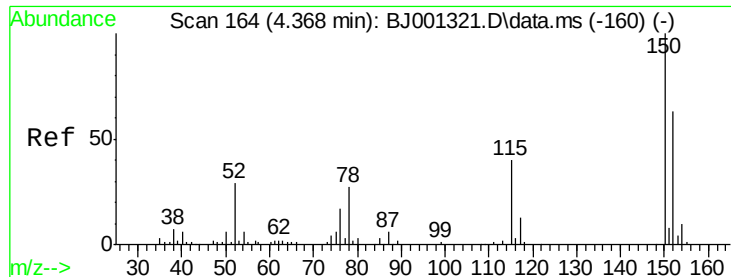
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.368 min Scan# 16

Delta R.T. -0.003 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

Instrument :

BNA_J

LabSampleId :

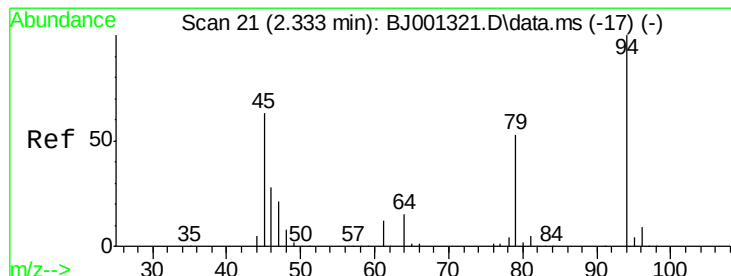
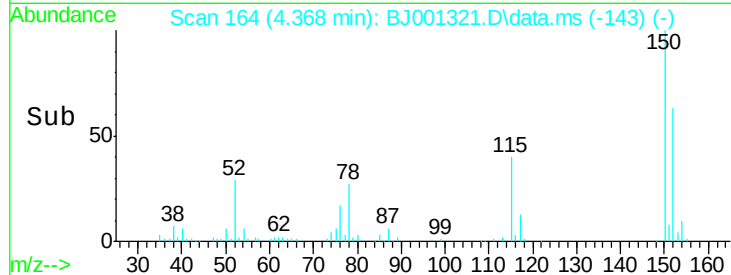
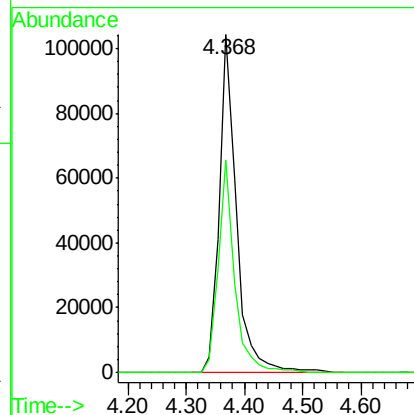
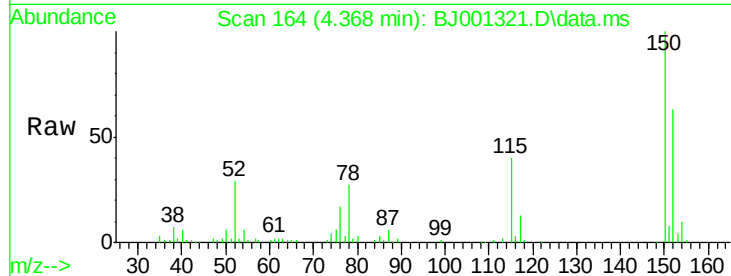
CWA-4

Tgt Ion:152 Resp: 213844

Ion Ratio Lower Upper

152 100

115 62.9 26.3 66.3



#2

Dimethyl Disulfide

Concen: 4.04 ug/mL

RT: 2.333 min Scan# 21

Delta R.T. 0.026 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

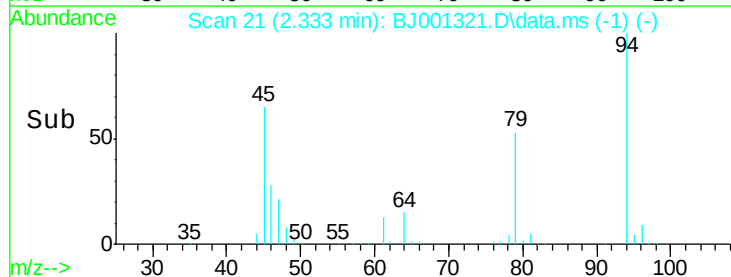
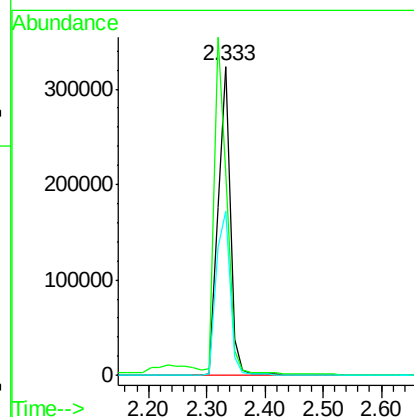
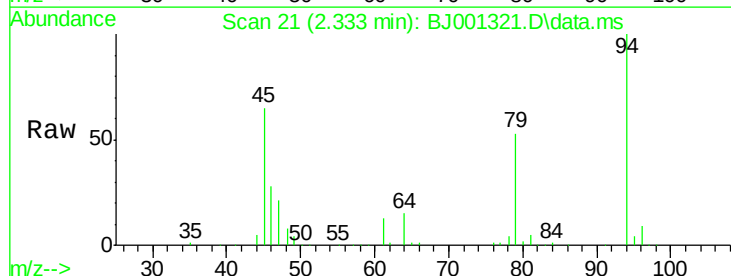
Tgt Ion: 94 Resp: 472502

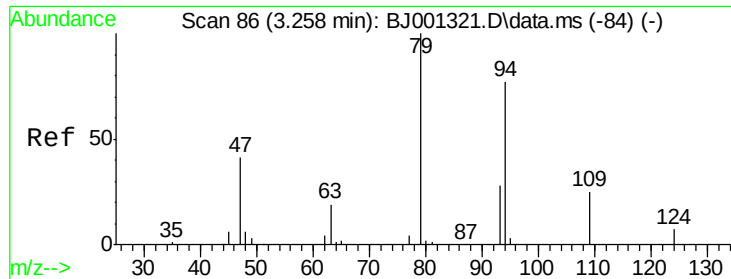
Ion Ratio Lower Upper

94 100

45 65.5 26.5 66.5

79 53.1 33.4 73.4





#3

DMMP

Concen: 1.96 ug/mL

RT: 3.258 min Scan# 86

Delta R.T. -0.003 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

Instrument :

BNA_J

LabSampleId :

CWA-4

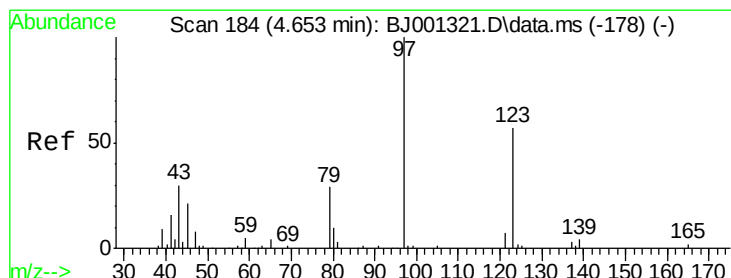
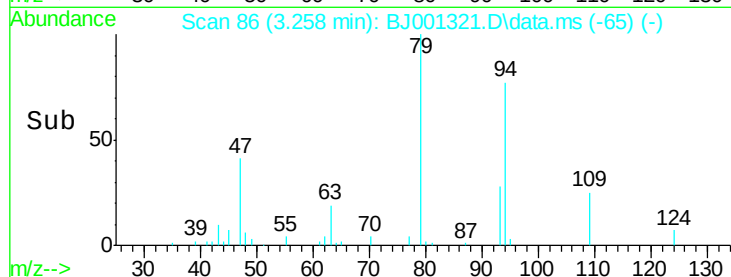
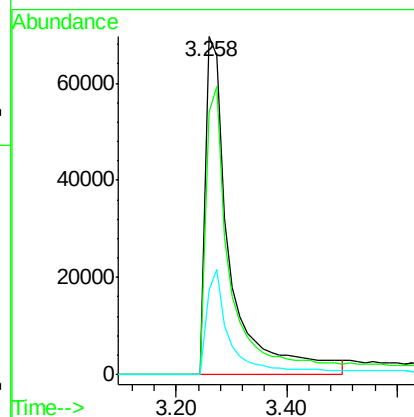
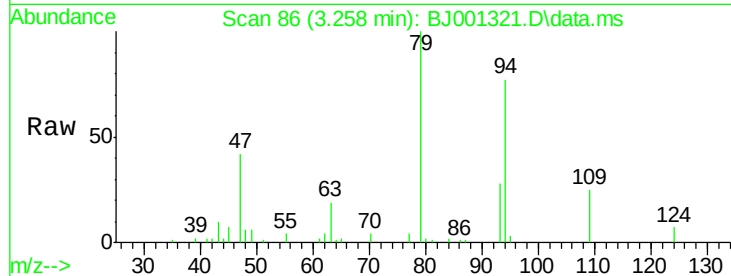
Tgt Ion: 79 Resp: 215695

Ion Ratio Lower Upper

79 100

94 77.5 69.1 109.1

109 25.1 10.5 50.5



#4

DIMP

Concen: 2.12 ug/mL

RT: 4.653 min Scan# 184

Delta R.T. -0.004 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

Tgt Ion: 97 Resp: 524899

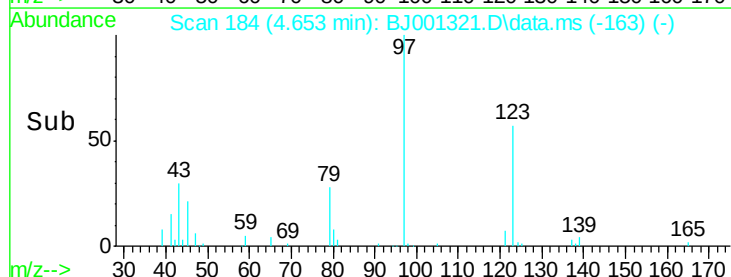
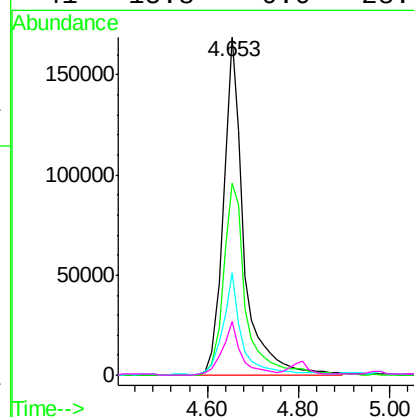
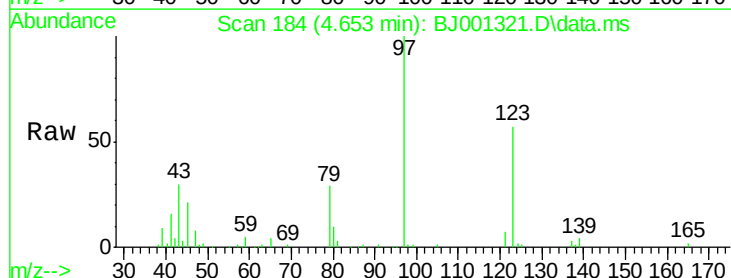
Ion Ratio Lower Upper

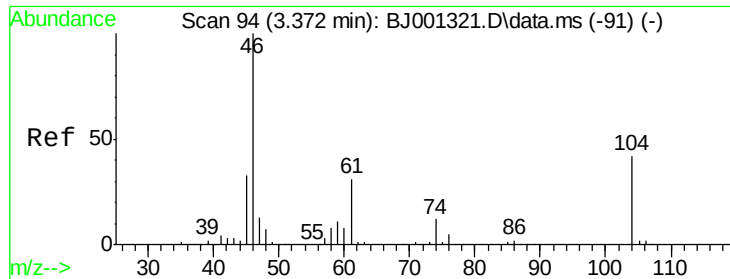
97 100

123 56.7 36.4 76.4

43 30.4 0.0 37.2

41 15.8 0.0 28.0





#5

1,4-Oxathiane

Concen: 5.94 ug/mL

RT: 3.372 min Scan# 94

Delta R.T. 0.011 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

Instrument :

BNA_J

LabSampleId :

CWA-4

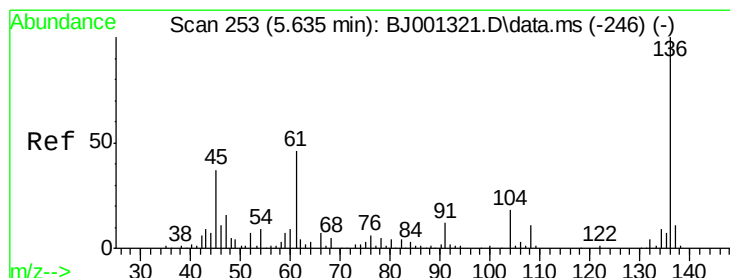
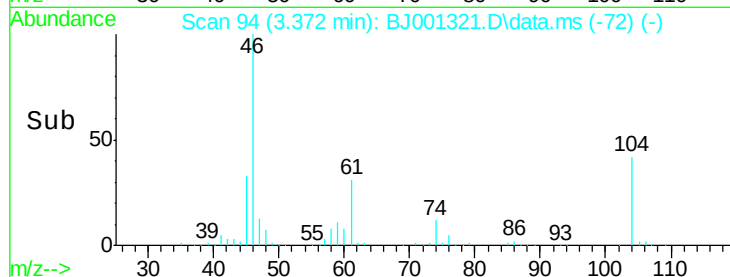
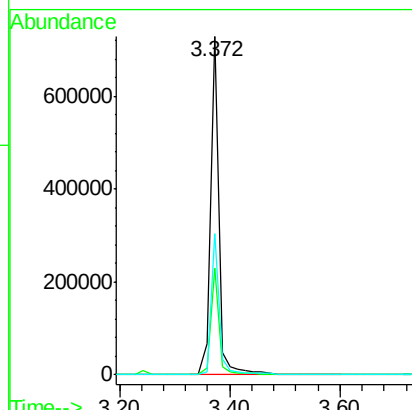
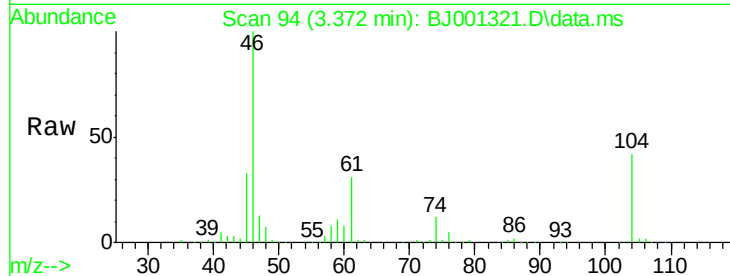
Tgt Ion: 46 Resp: 766573

Ion Ratio Lower Upper

46 100

61 31.3 13.2 53.2

104 41.7 14.2 54.2



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.635 min Scan# 253

Delta R.T. -0.004 min

Lab File: BJ001321.D

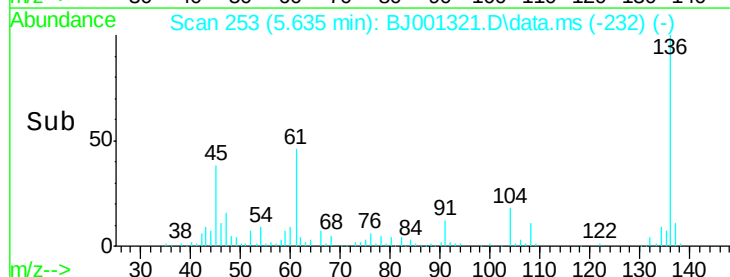
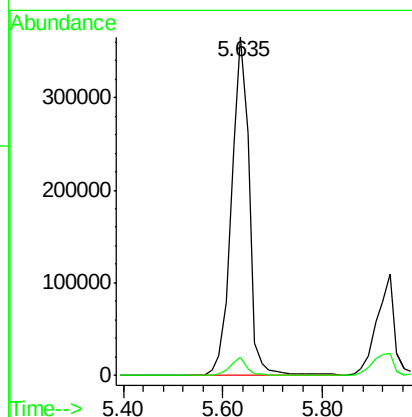
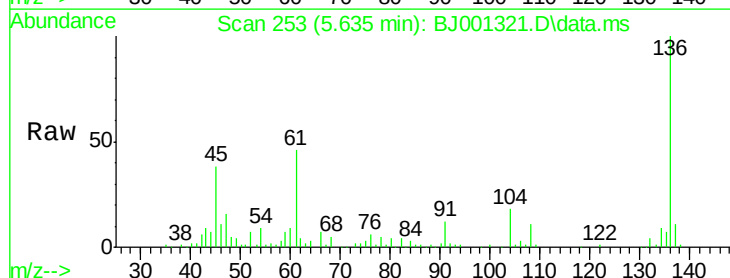
Acq: 10 Dec 2012 16:30

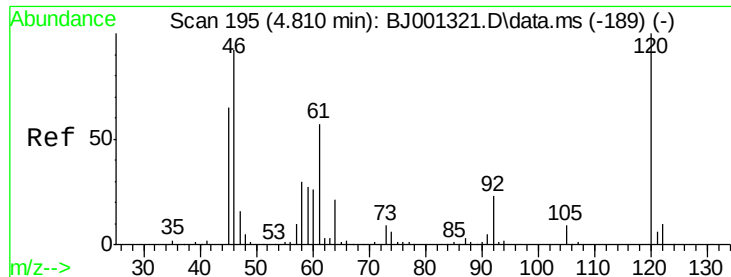
Tgt Ion: 136 Resp: 898729

Ion Ratio Lower Upper

136 100

68 5.4 0.0 25.9





#7

1,4-Dithiane

Concen: 5.73 ug/mL

RT: 4.810 min Scan# 19

Delta R.T. 0.011 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

Instrument :

BNA_J

LabSampleId :

CWA-4

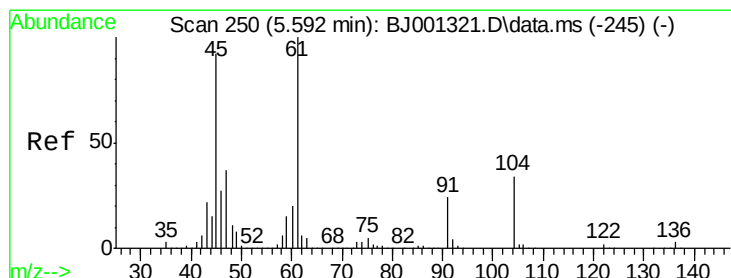
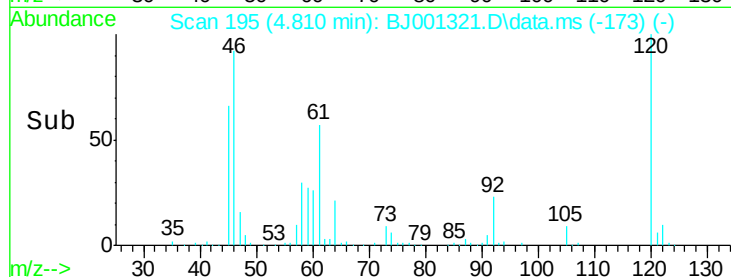
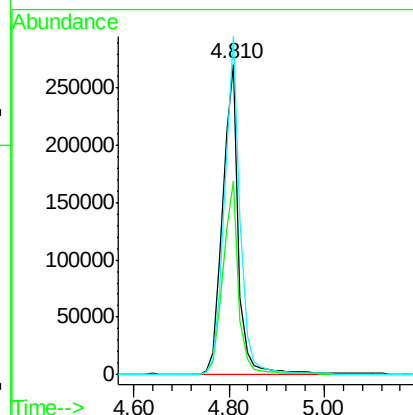
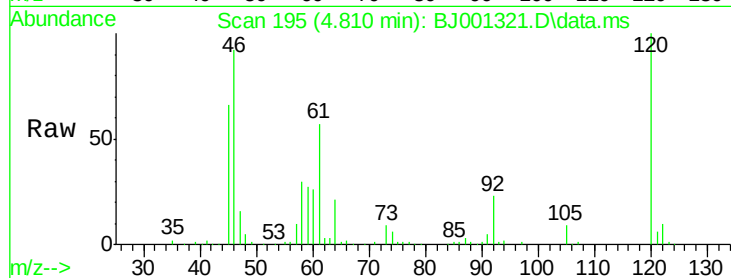
Tgt Ion: 46 Resp: 624324

Ion Ratio Lower Upper

46 100

61 62.5 57.0 97.0

120 108.9 91.5 131.5



#8

Thiodiglycol

Concen: 38.75 ug/mL m

RT: 5.592 min Scan# 250

Delta R.T. -0.004 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

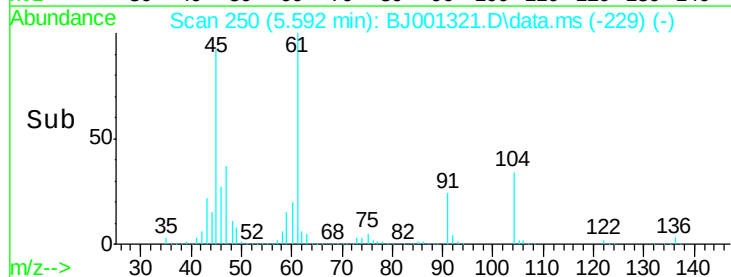
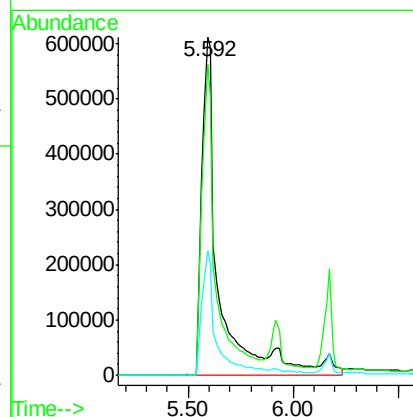
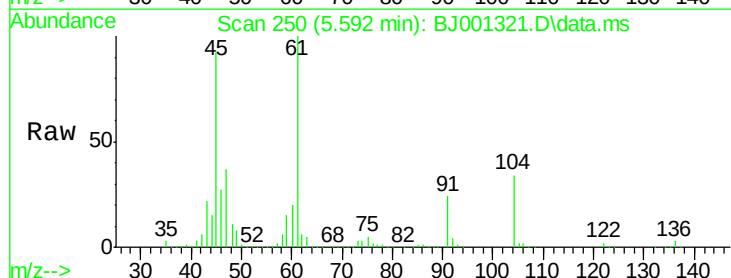
Tgt Ion: 61 Resp: 3574403

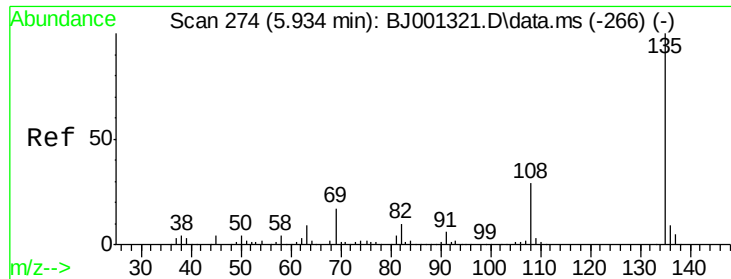
Ion Ratio Lower Upper

61 100

45 92.0 56.0 96.0

47 36.6 10.0 50.0





#9

Benzothiazole

Concen: 12.30 ug/mL

RT: 5.934 min Scan# 27

Delta R.T. 0.010 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

Instrument :

BNA_J

LabSampleId :

CWA-4

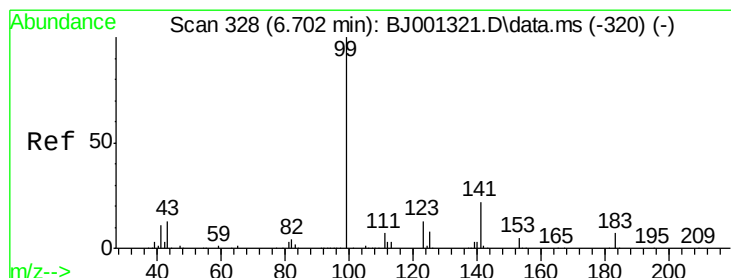
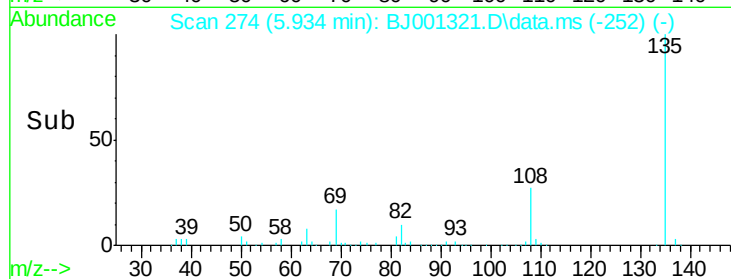
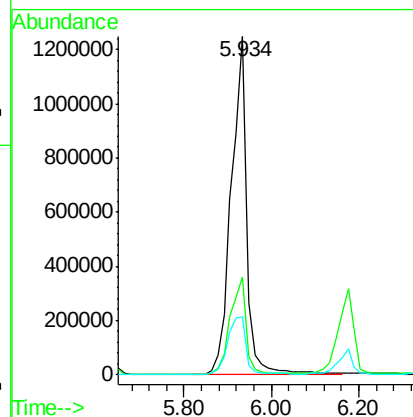
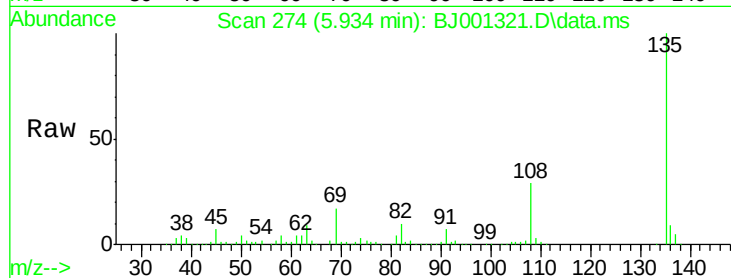
Tgt Ion:135 Resp: 3086586

Ion Ratio Lower Upper

135 100

108 29.0 12.0 52.0

69 17.1 1.1 41.1



#10

Tripropylphosphate

Concen: 2.33 ug/mL

RT: 6.702 min Scan# 328

Delta R.T. 0.010 min

Lab File: BJ001321.D

Acq: 10 Dec 2012 16:30

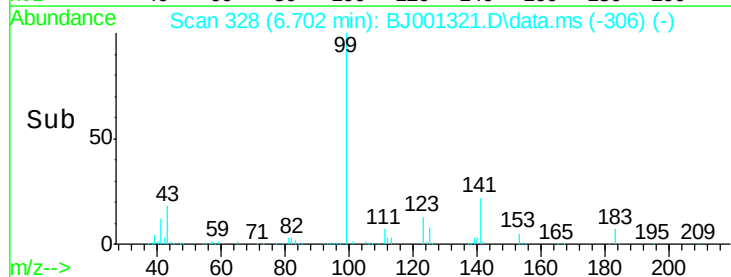
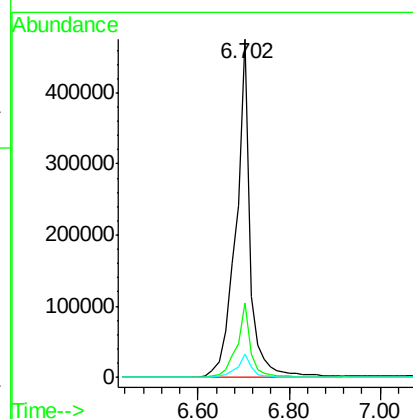
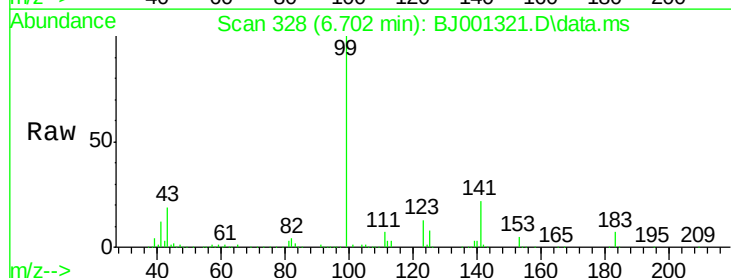
Tgt Ion: 99 Resp: 1044944

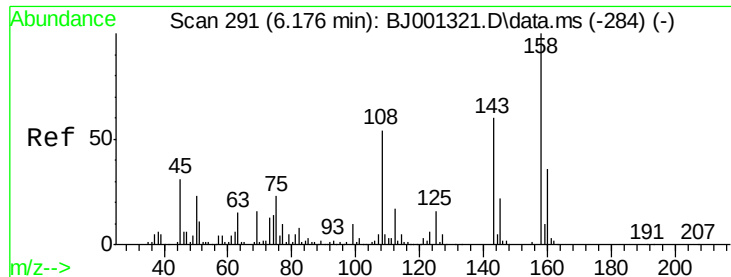
Ion Ratio Lower Upper

99 100

141 21.5 14.7 22.1

183 7.1 4.6 6.8#

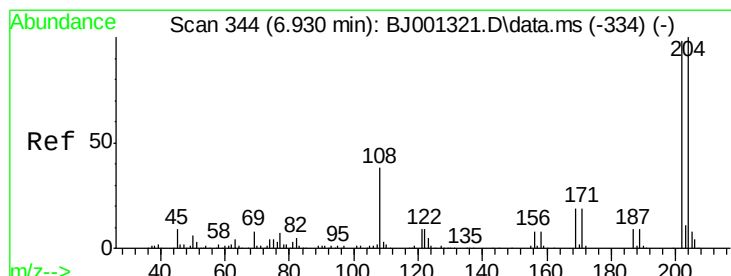
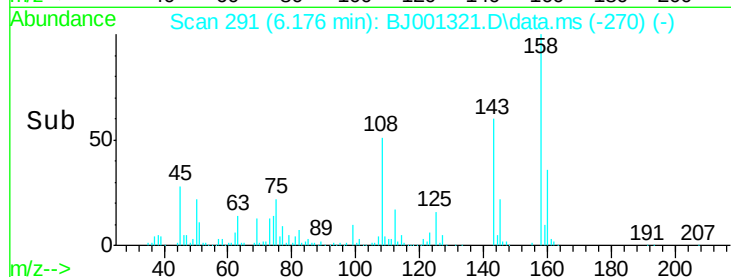
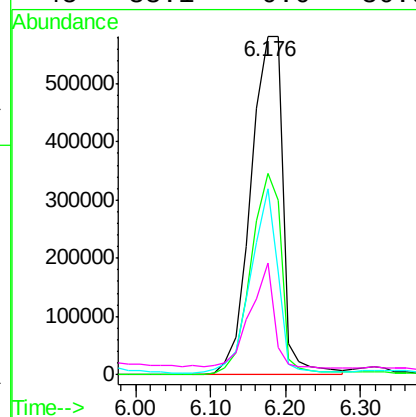
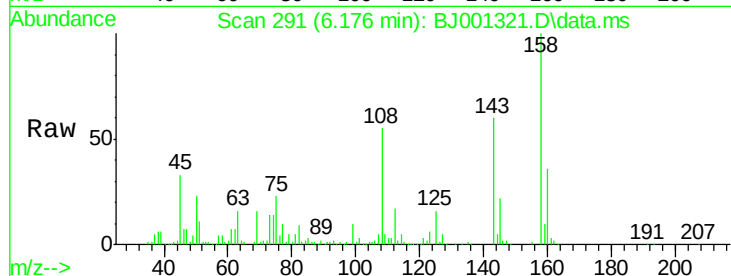




#11
p-Chlorophenylmethylsulfide
Concen: 11.10 ug/mL
RT: 6.176 min Scan# 291
Delta R.T. -0.004 min
Lab File: BJ001321.D
Acq: 10 Dec 2012 16:30

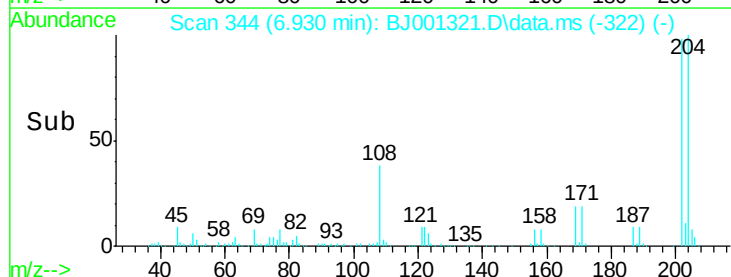
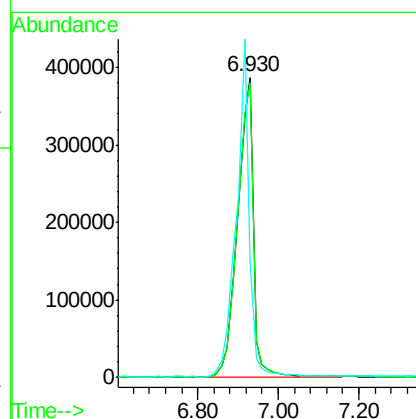
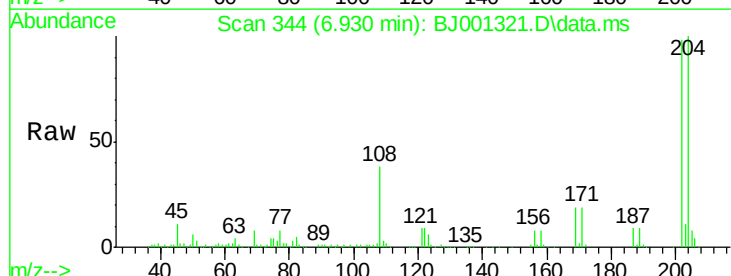
Instrument :
BNA_J
LabSampleId :
CWA-4

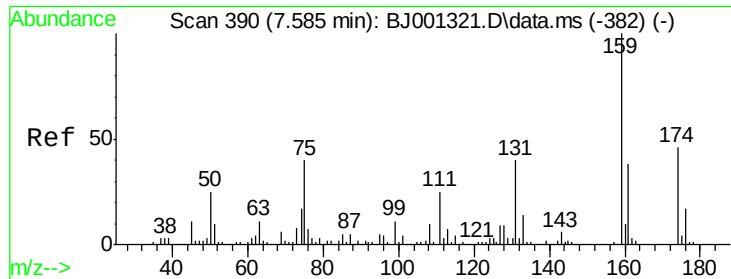
Tgt Ion:158 Resp: 1744472
Ion Ratio Lower Upper
158 100
143 59.6 34.4 74.4
108 54.9 22.9 62.9
45 33.1 0.0 36.9



#12
2-Bromothioanisole
Concen: 14.16 ug/mL
RT: 6.930 min Scan# 344
Delta R.T. 0.010 min
Lab File: BJ001321.D
Acq: 10 Dec 2012 16:30

Tgt Ion:204 Resp: 1059566
Ion Ratio Lower Upper
204 100
202 98.2 80.7 120.7
108 38.4 87.3 127.3#

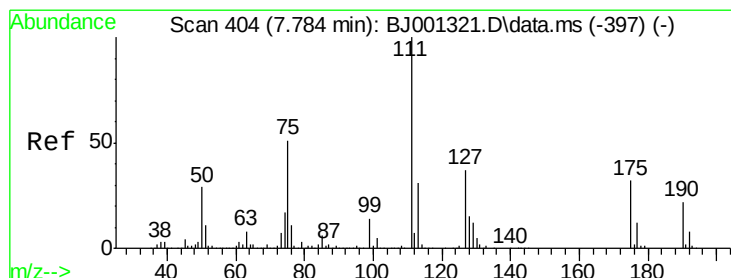
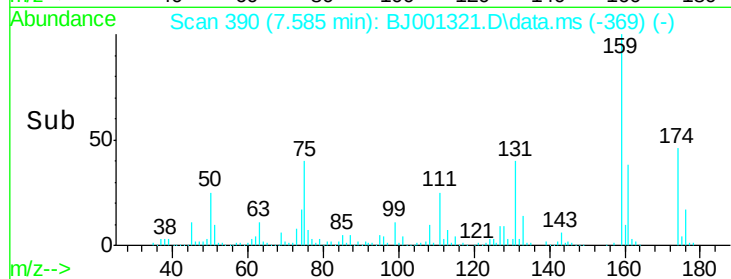
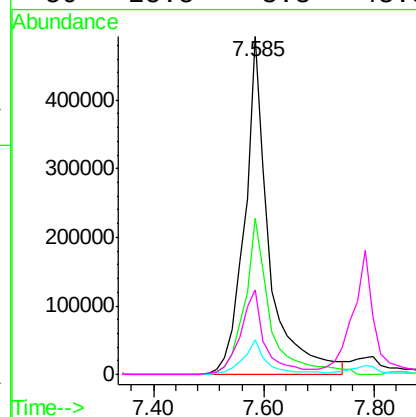
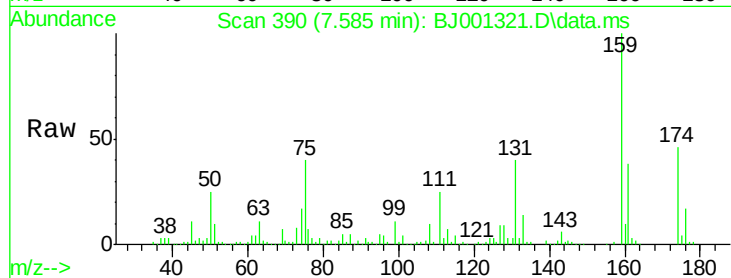




#13
p-Chlorophenylmethylsulfoxide
Concen: 14.17 ug/mL
RT: 7.585 min Scan# 390
Delta R.T. -0.005 min
Lab File: BJ001321.D
Acq: 10 Dec 2012 16:30

Instrument :
BNA_J
LabSampleId :
CWA-4

Tgt Ion:	159	Resp:	1505547
Ion	Ratio	Lower	Upper
159	100		
174	48.1	26.4	66.4
108	9.6	0.0	29.6
50	25.5	3.3	43.3



#14
p-Chlorophenylmethylsulfone
Concen: 12.98 ug/mL
RT: 7.784 min Scan# 404
Delta R.T. -0.005 min
Lab File: BJ001321.D
Acq: 10 Dec 2012 16:30

Tgt Ion:	111	Resp:	2000165
Ion	Ratio	Lower	Upper
111	100		
75	52.3	27.3	67.3
127	36.5	17.0	57.0
190	21.6	0.8	40.8

