

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
 Data File : BG018292.D
 Acq On : 6 Aug 2015 3:51
 Operator : UM/TP
 Sample : G3109-17RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W7RE

Quant Time: Aug 06 05:06:30 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 03:42:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	47140	20.00	ng/ul	0.01
18) Naphthalene-d8	10.23	136	209354	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.13	164	123120	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.89	188	207920	20.00	ng/ul	0.02
78) Chrysene-d12	21.11	240	149399	20.00	ng/ul	0.02
86) Perylene-d12	23.15	264	170116	20.00	ng/ul	-0.10

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.91	96	1983	3.63	ng/uL	0.00
5) Phenol-d5	6.65	99	74694	20.15	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.78	67	41124	22.95	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	66636	21.59	ng/ul	0.01
13) 4-Methylphenol-d8	8.18	113	50455	16.12	ng/ul	0.01
19) Nitrobenzene-d5	8.60	128	34847	21.50	ng/ul	0.02
22) 2-Nitrophenol-d4	9.32	143	39469	21.05	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.87	165	68941	20.00	ng/ul	0.02
29) 4-Chloroaniline-d4	10.38	131	31181	7.55	ng/ul	0.02
44) Dimethylphthalate-d6	13.54	166	219005	23.00	ng/ul	0.02
47) Acenaphthylene-d8	13.82	160	236092	21.86	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	17101	10.89	ng/ul	0.03
58) Fluorene-d10	15.13	176	177948	20.80	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.28	200	2365	1.64	ng/ul	0.02
71) Anthracene-d10	16.99	188	202875	22.18	ng/ul	0.02
79) Pyrene-d10	19.30	212	136685	16.35	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.02	264	258	0.03	ng/ul	-0.08

Target Compounds

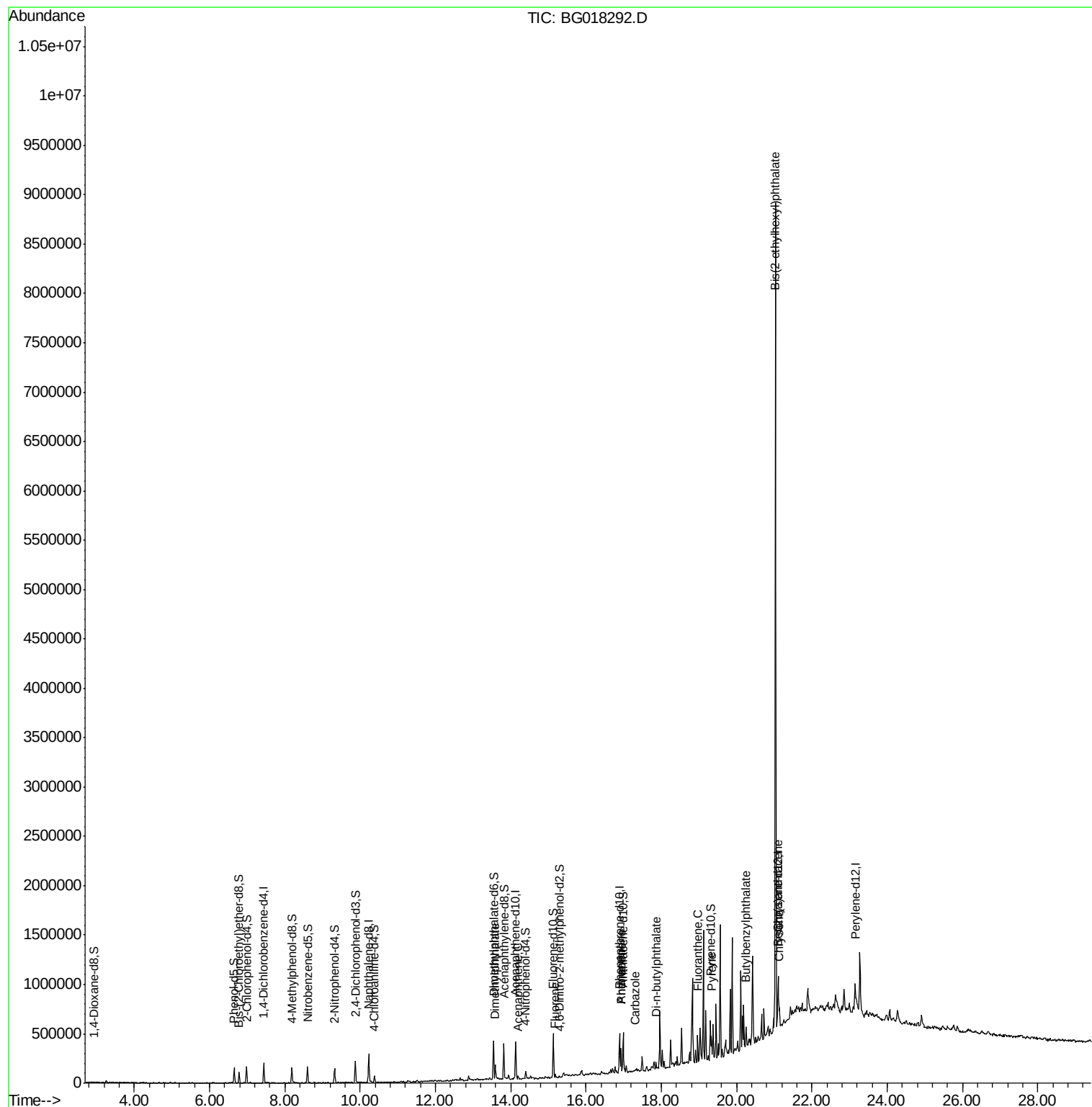
						Qvalue
45) Dimethylphthalate	13.59	163	80241	8.45	ng/ul	99
50) Acenaphthene	14.19	153	12691	1.76	ng/ul	93
59) Fluorene	15.18	166	14927	1.60	ng/ul	94
70) Phenanthrene	16.93	178	130824	12.47	ng/ul	97
72) Anthracene	16.93	178	131014	12.51	ng/ul	99
75) Carbazole	17.30	167	10220	1.16	ng/ul#	89
76) Di-n-butylphthalate	17.87	149	47901	3.87	ng/ul#	96
77) Fluoranthene	18.97	202	144032	12.38	ng/ul#	95
80) Pyrene	19.33	202	127217	12.25	ng/ul#	94
81) Butylbenzylphthalate	20.24	149	40938	10.16	ng/ul#	85
83) Benzo(a)anthracene	21.09	228	53233	6.75	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.04	149	2097226	432.55	ng/ul#	64
85) Chrysene	21.14	228	60526	8.54	ng/ul	94

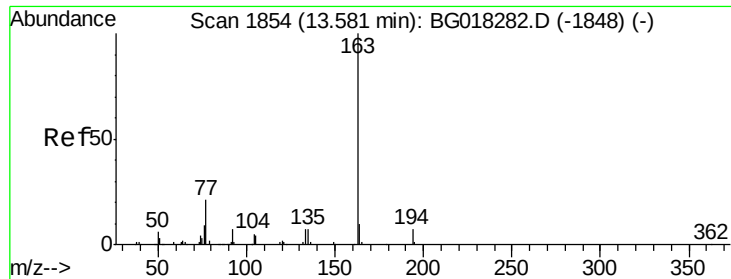
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 8.45 ng/ul

RT: 13.59 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

Instrument :

BNA_G

ClientSampleId :

C01W7RE

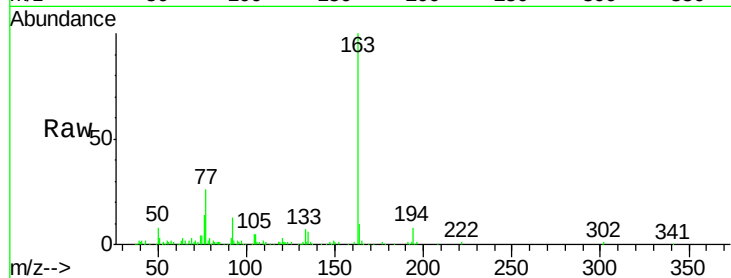
Tgt Ion:163 Resp: 80241

Ion Ratio Lower Upper

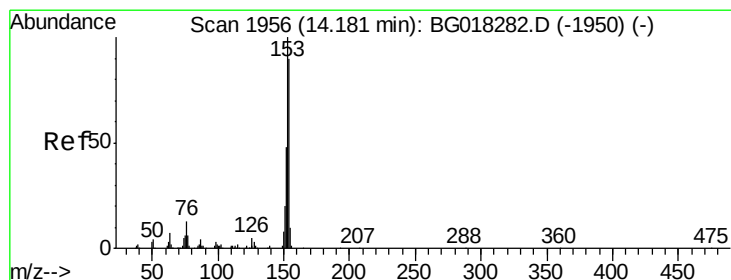
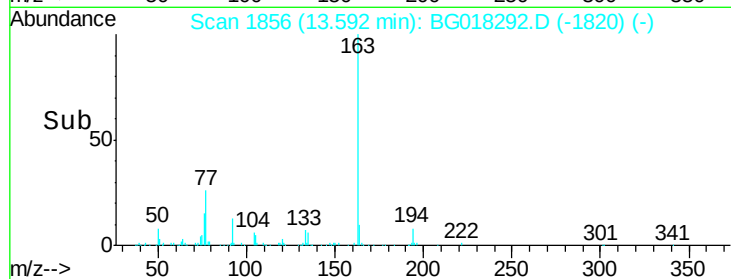
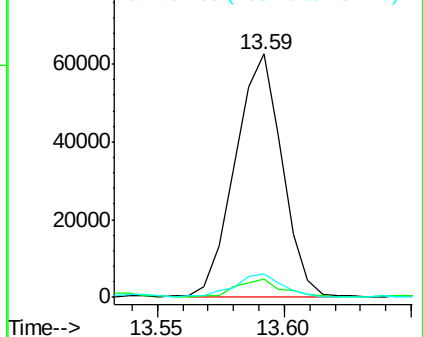
163 100

194 7.6 5.4 8.2

164 9.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 1.76 ng/ul

RT: 14.19 min Scan# 1958

Delta R.T. 0.01 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

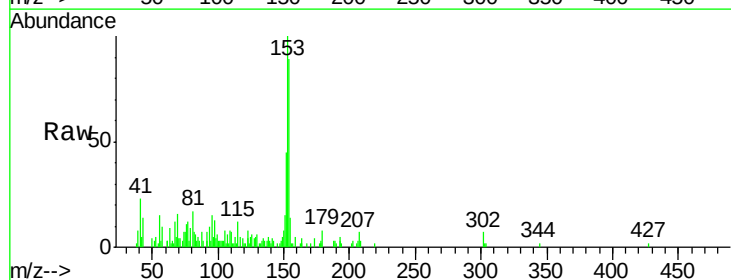
Tgt Ion:153 Resp: 12691

Ion Ratio Lower Upper

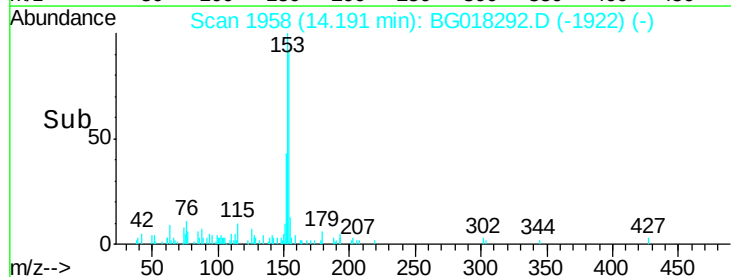
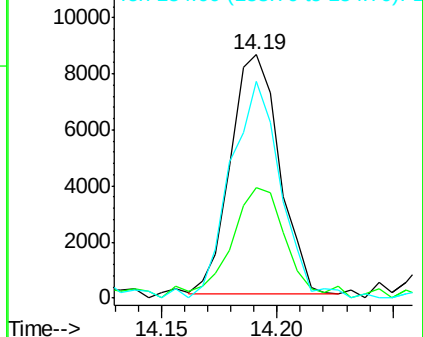
153 100

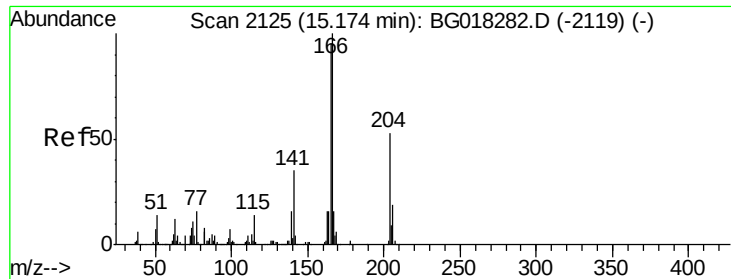
152 45.2 39.0 58.4

154 89.2 77.4 116.2



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 1.60 ng/ul

RT: 15.18 min Scan# 2127

Delta R.T. 0.01 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

Instrument :

BNA_G

ClientSampleId :

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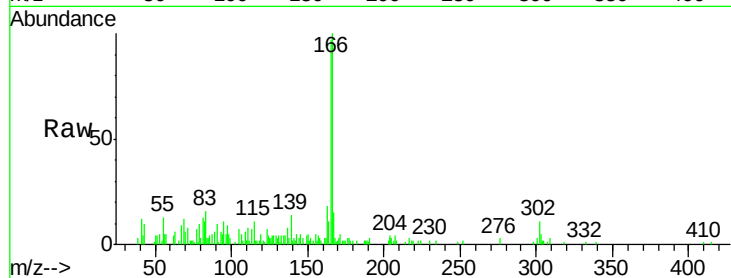
Tgt Ion:166 Resp: 14927

Ion Ratio Lower Upper

166 100

165 96.8 72.4 108.6

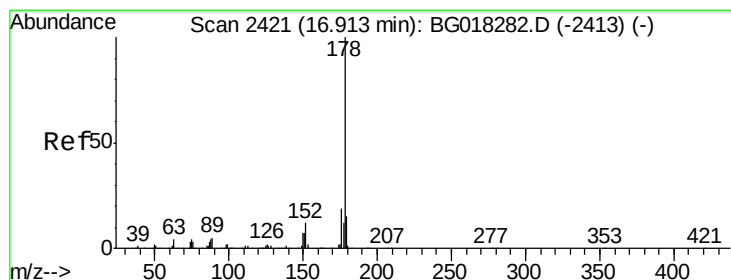
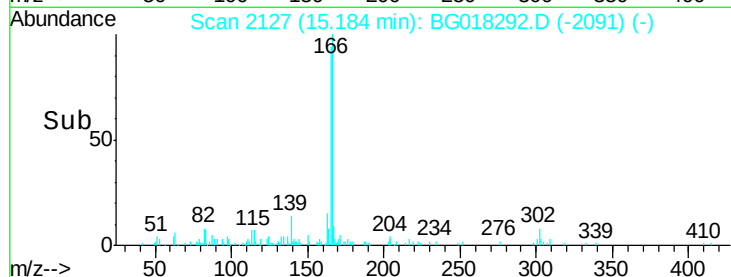
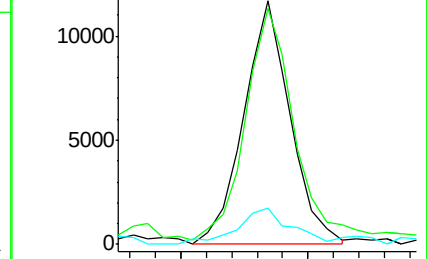
167 15.0 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 12.47 ng/ul

RT: 16.93 min Scan# 2424

Delta R.T. 0.02 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

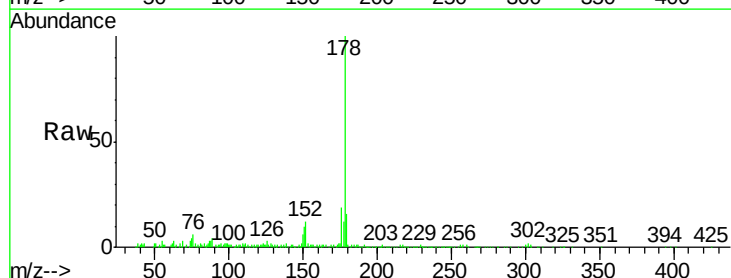
Tgt Ion:178 Resp: 130824

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

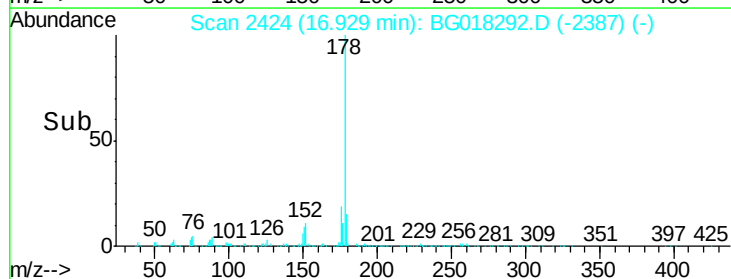
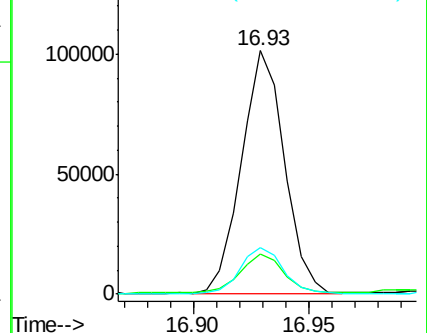
176 19.3 14.5 21.7

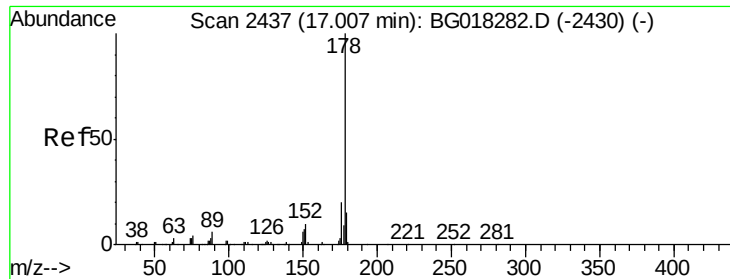


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 12.51 ng/ul

RT: 16.93 min Scan# 2424

Delta R.T. -0.08 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

Instrument :

BNA_G

ClientSampleId :

C01W7RE

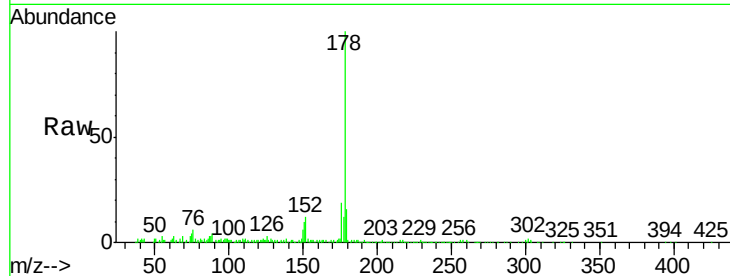
Tgt Ion:178 Resp: 131014

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

176 19.3 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

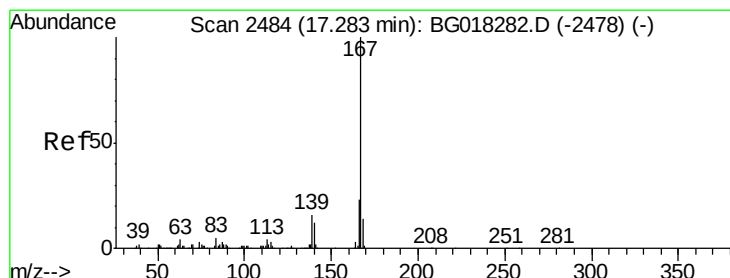
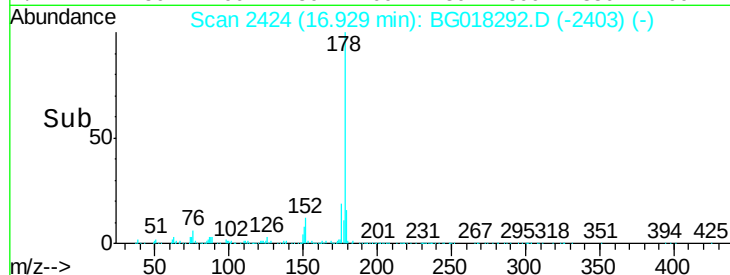
100000

16.93

50000

0

Time-->



#75

Carbazole

Concen: 1.16 ng/ul

RT: 17.30 min Scan# 2487

Delta R.T. 0.02 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

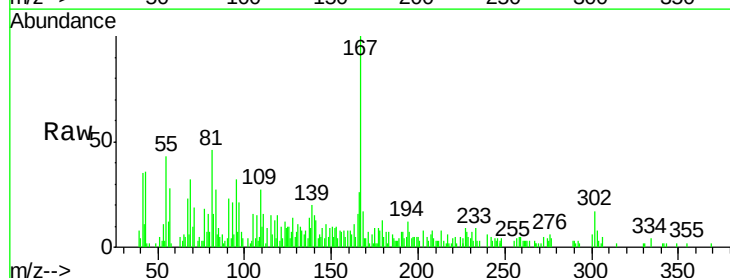
Tgt Ion:167 Resp: 10220

Ion Ratio Lower Upper

167 100

166 25.8 17.8 26.8

139 19.9 10.6 16.0#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

10000

17.30

8000

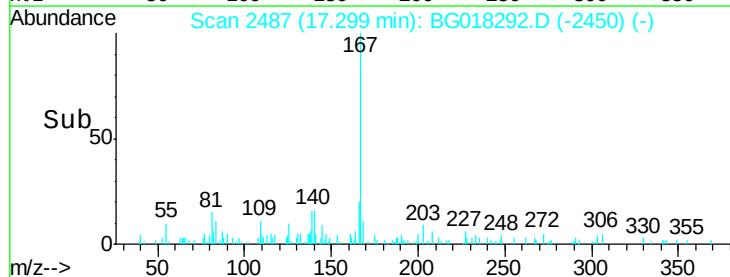
6000

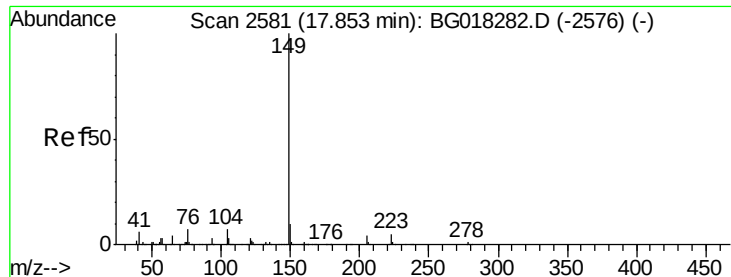
4000

2000

0

Time-->

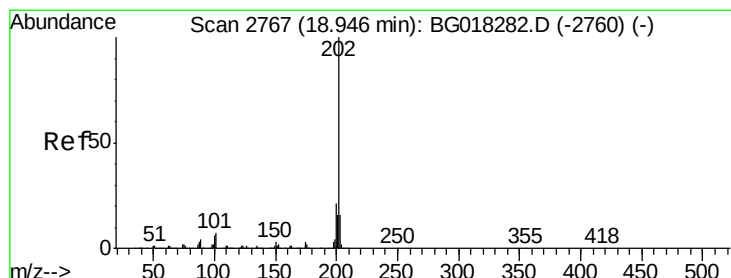
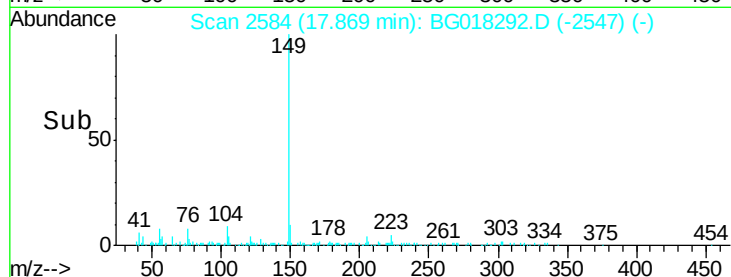
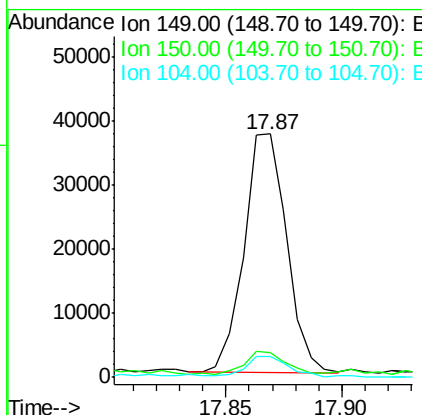
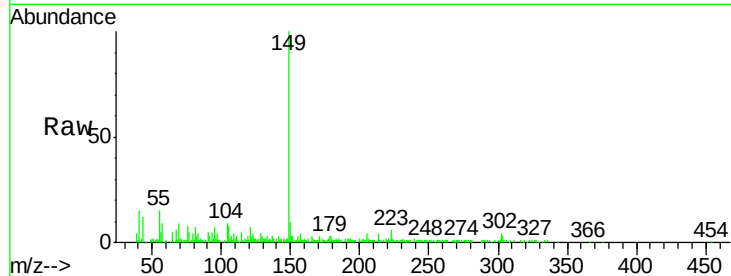




#76
Di-n-butylphthalate
Concen: 3.87 ng/ul
RT: 17.87 min Scan# 2584
Delta R.T. 0.02 min
Lab File: BG018292.D
Acq: 6 Aug 2015 3:51

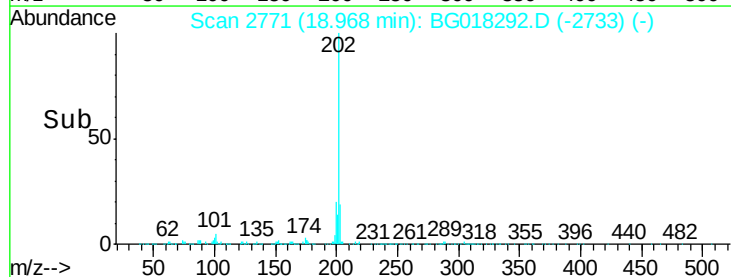
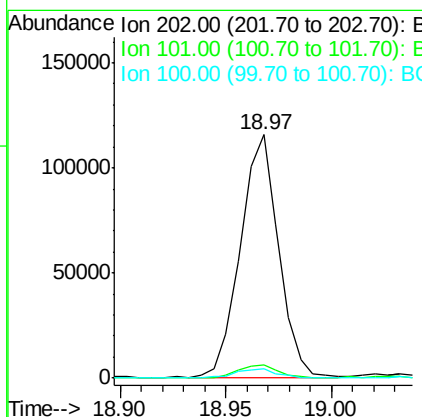
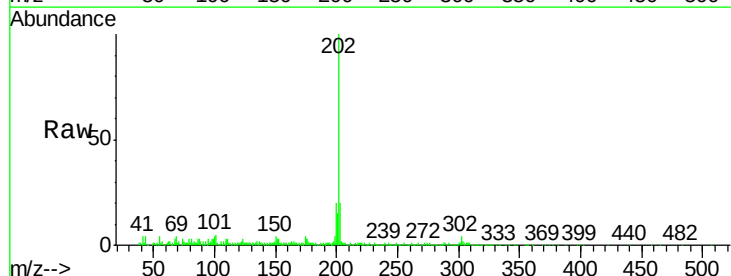
Instrument :
BNA_G
ClientSampleId :
C01W7RE

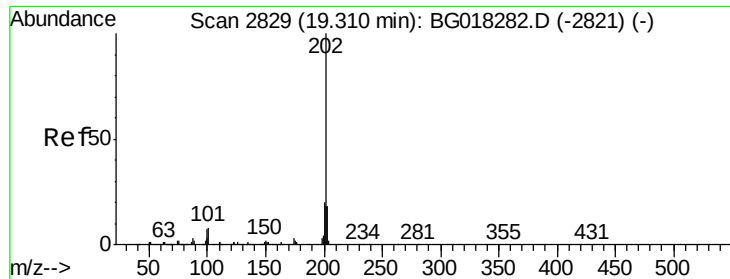
Tgt Ion:149 Resp: 47901
Ion Ratio Lower Upper
149 100
150 10.4 7.4 11.2
104 8.5 5.5 8.3#



#77
Fluoranthene
Concen: 12.38 ng/ul
RT: 18.97 min Scan# 2771
Delta R.T. 0.02 min
Lab File: BG018292.D
Acq: 6 Aug 2015 3:51

Tgt Ion:202 Resp: 144032
Ion Ratio Lower Upper
202 100
101 6.2 6.2 9.2
100 3.9 4.6 6.8#





#80

Pyrene

Concen: 12.25 ng/ul

RT: 19.33 min Scan# 2833

Delta R.T. 0.02 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

Instrument :

BNA_G

ClientSampleId :

C01W7RE

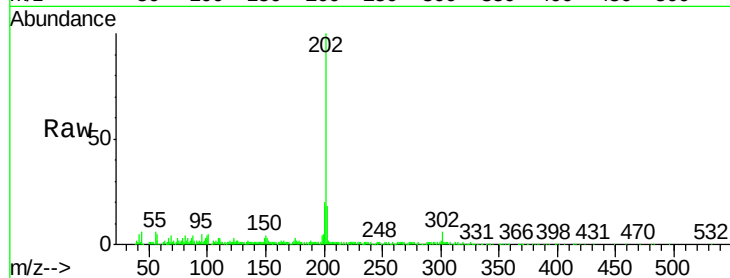
Tgt Ion: 202 Resp: 127217

Ion Ratio Lower Upper

202 100

101 5.4 6.2 9.2#

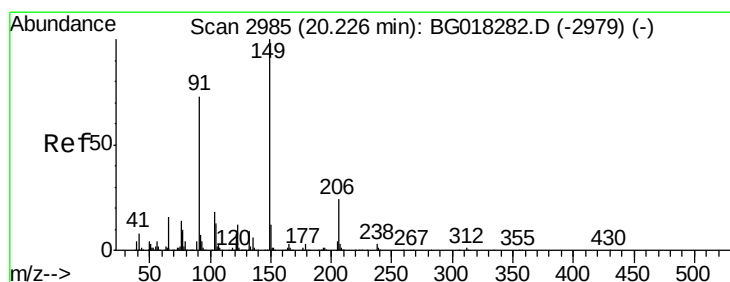
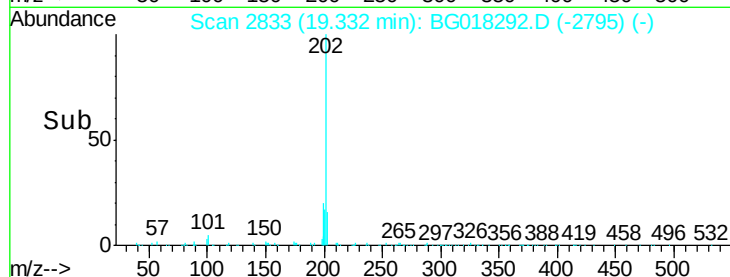
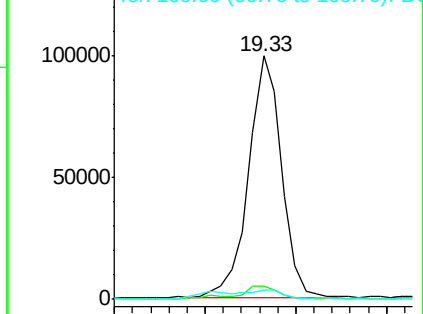
100 4.1 4.6 7.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#81

Butylbenzylphthalate

Concen: 10.16 ng/ul

RT: 20.24 min Scan# 2988

Delta R.T. 0.02 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

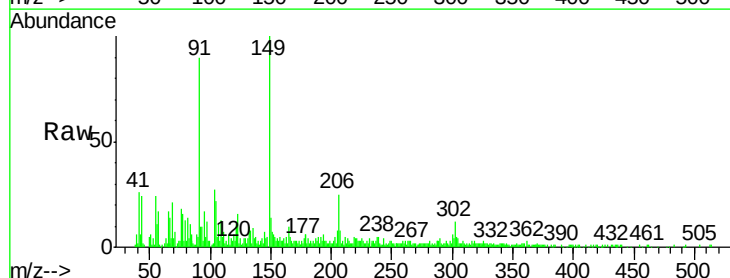
Tgt Ion: 149 Resp: 40938

Ion Ratio Lower Upper

149 100

91 89.9 58.2 87.2#

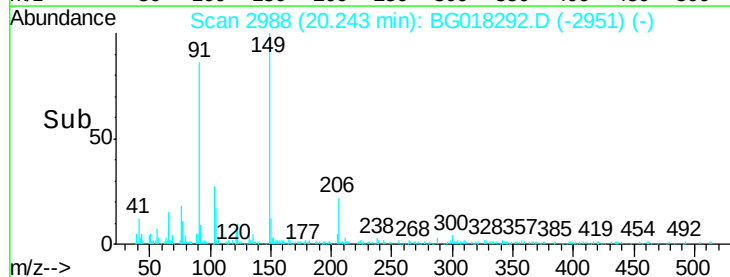
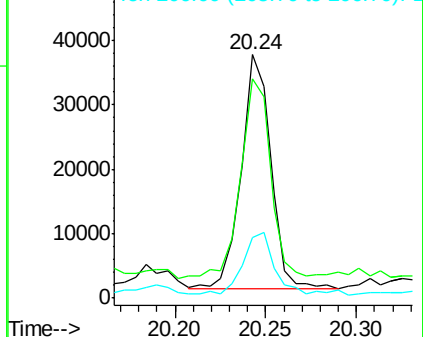
206 24.7 19.9 29.9

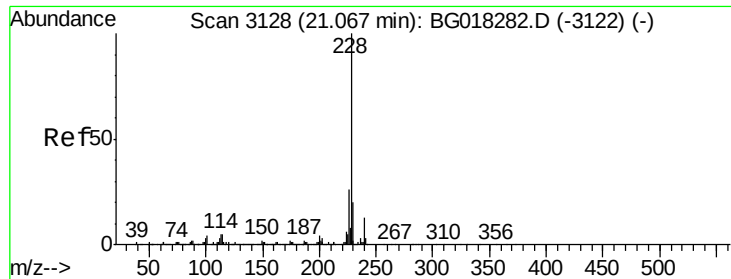


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E

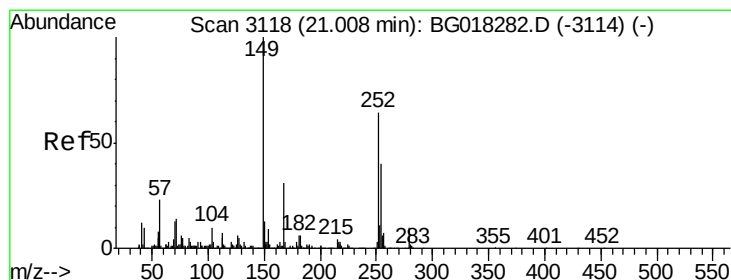
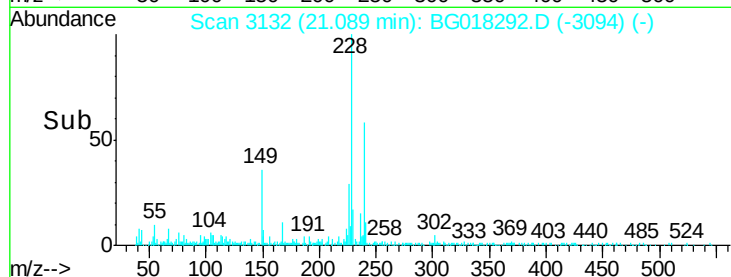
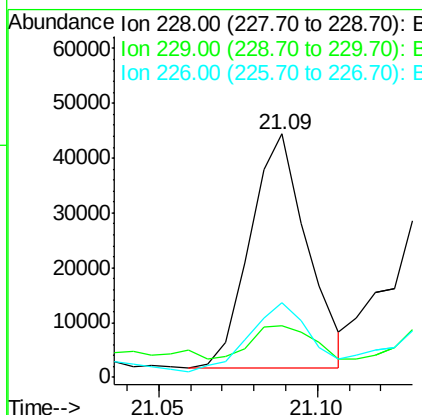
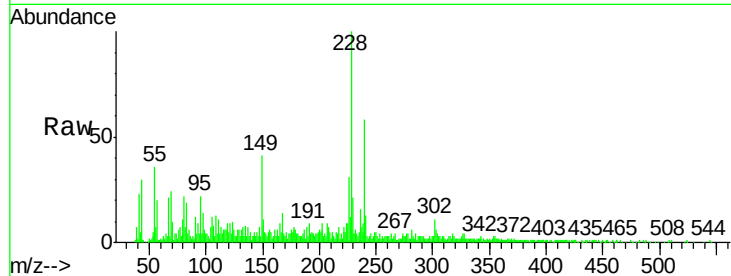




#83
 Benzo(a)anthracene
 Concen: 6.75 ng/ul
 RT: 21.09 min Scan# 3132
 Delta R.T. 0.02 min
 Lab File: BG018292.D
 Acq: 6 Aug 2015 3:51

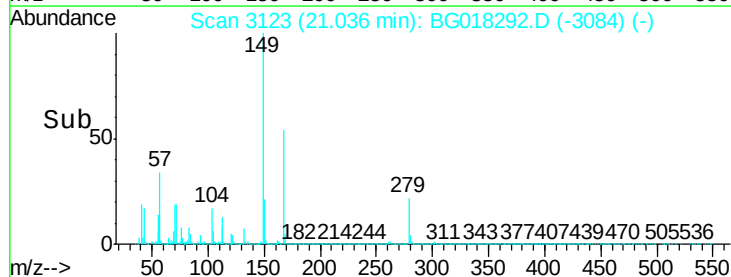
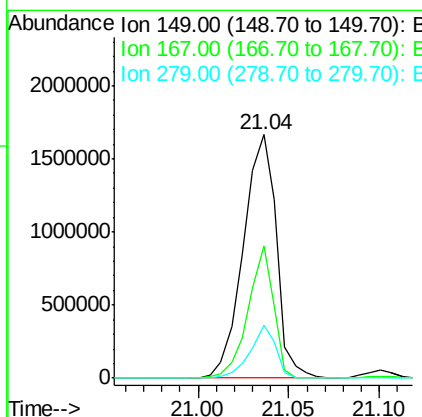
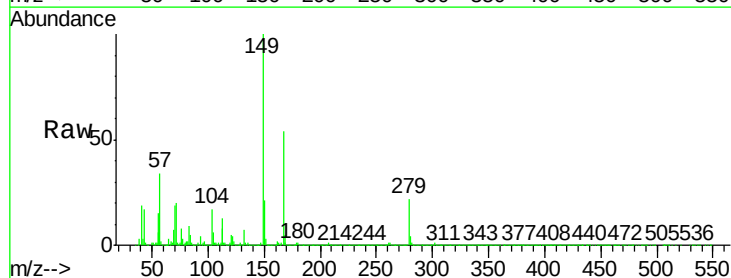
Instrument :
 BNA_G
 ClientSampleId :
 C01W7RE

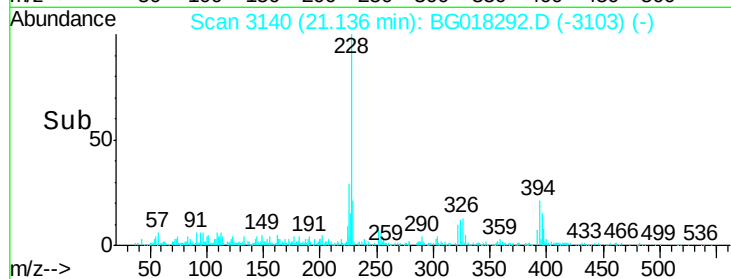
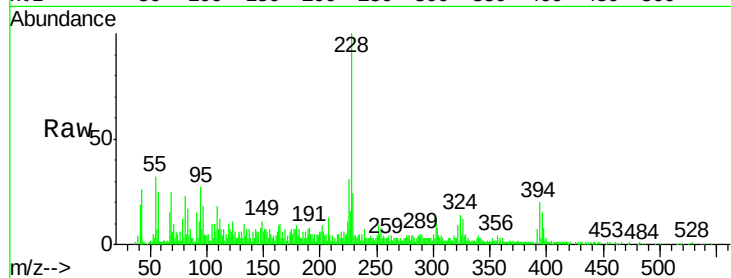
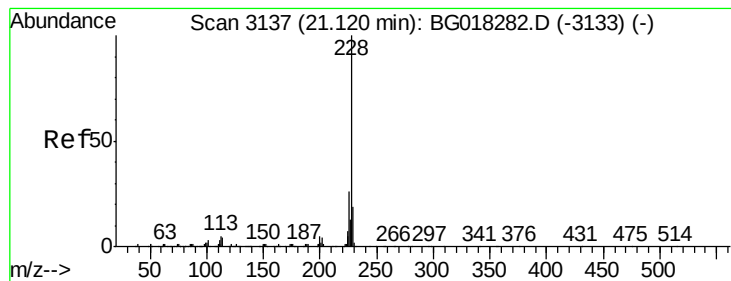
Tgt Ion: 228 Resp: 53233
 Ion Ratio Lower Upper
 228 100
 229 21.1 16.3 24.5
 226 30.6 21.2 31.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 432.55 ng/ul
 RT: 21.04 min Scan# 3123
 Delta R.T. 0.03 min
 Lab File: BG018292.D
 Acq: 6 Aug 2015 3:51

Tgt Ion: 149 Resp: 2097226
 Ion Ratio Lower Upper
 149 100
 167 54.3 26.4 39.6#
 279 21.7 8.6 12.8#





#85

Chrysene

Concen: 8.54 ng/ul

RT: 21.14 min Scan# 3140

Delta R.T. 0.02 min

Lab File: BG018292.D

Acq: 6 Aug 2015 3:51

Instrument :

BNA_G

ClientSampleId :

C01W7RE

Tgt Ion: 228 Resp: 60526

Ion Ratio Lower Upper

228 100

226 31.5 23.0 34.6

229 23.6 15.9 23.9

