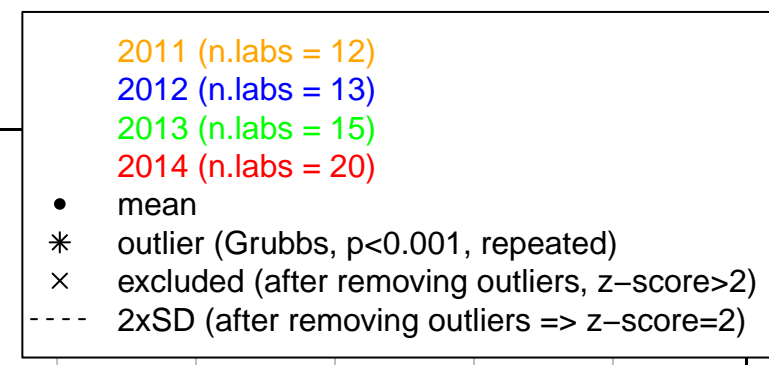


BE MeOH 1

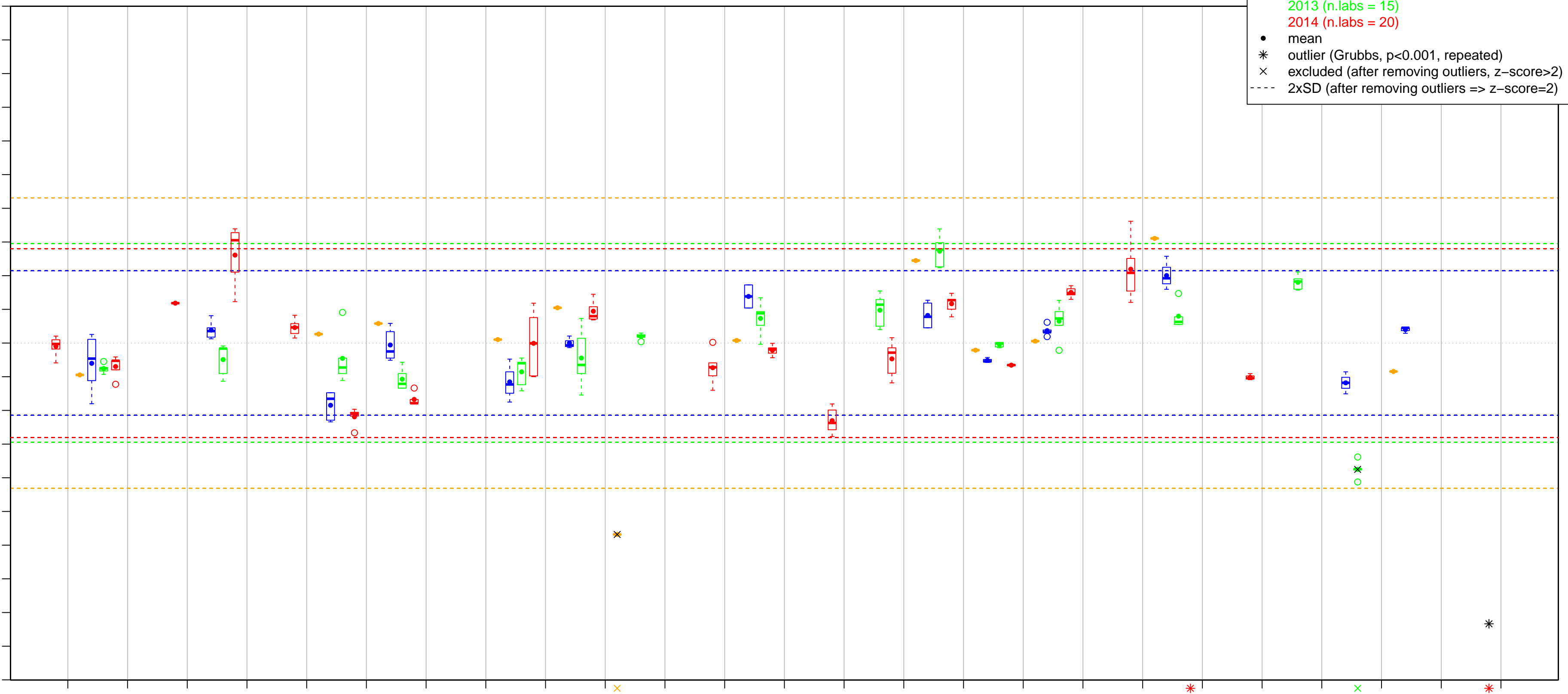
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0



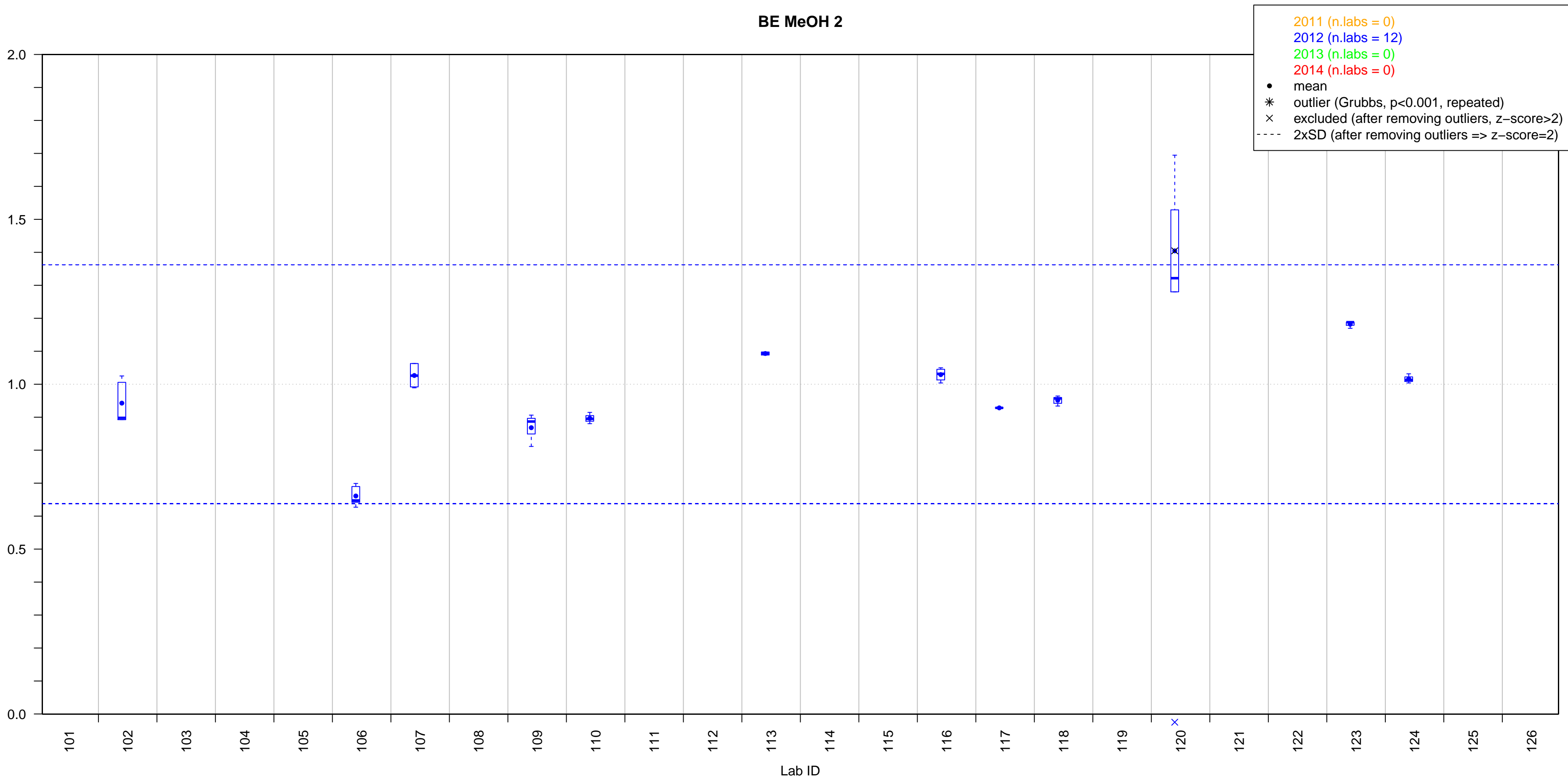
101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



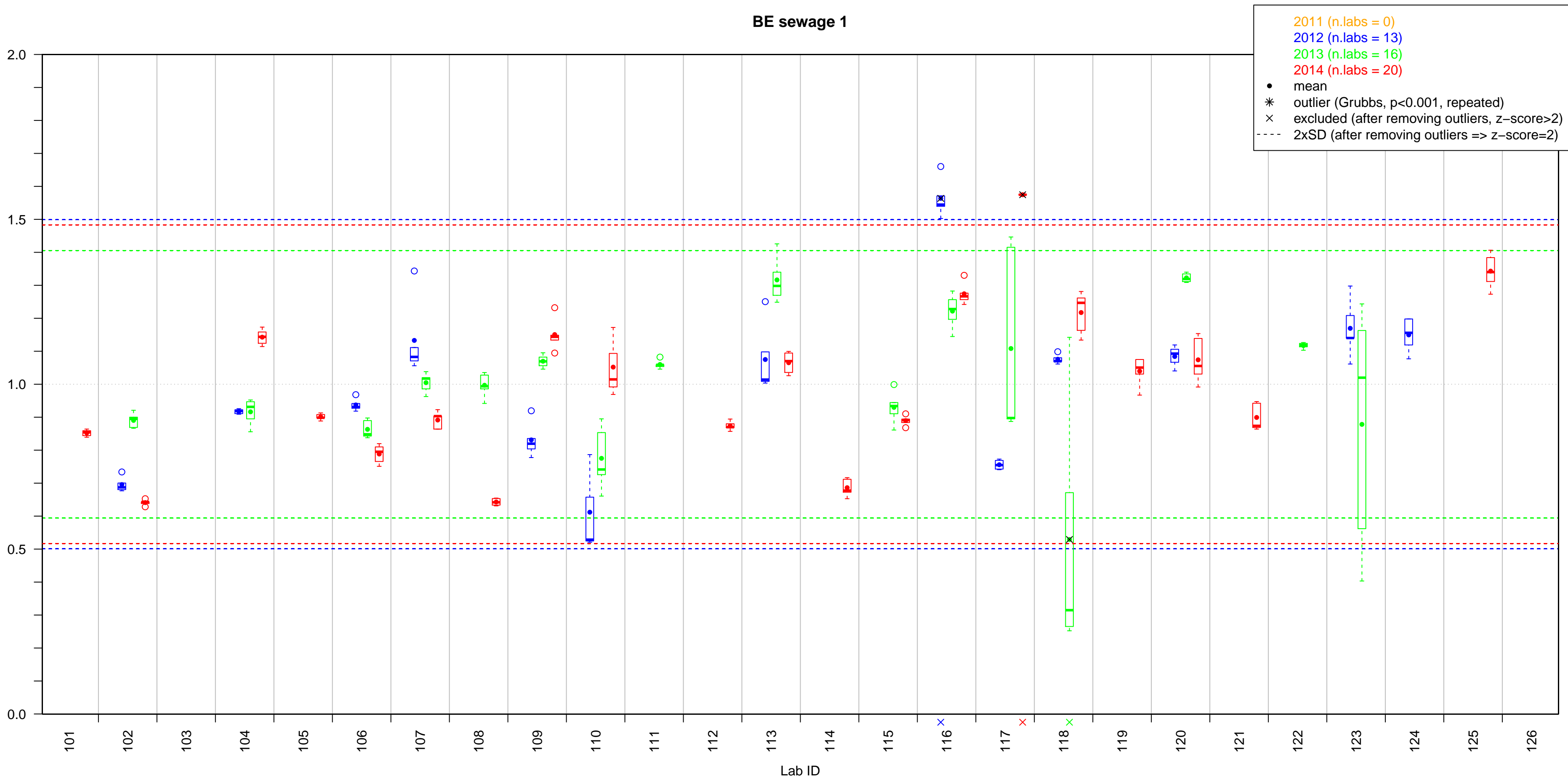
BE MeOH 2

normalized concentrations (with mean of means per year after removing outliers)



BE sewage 1

normalized concentrations (with mean of means per year after removing outliers)

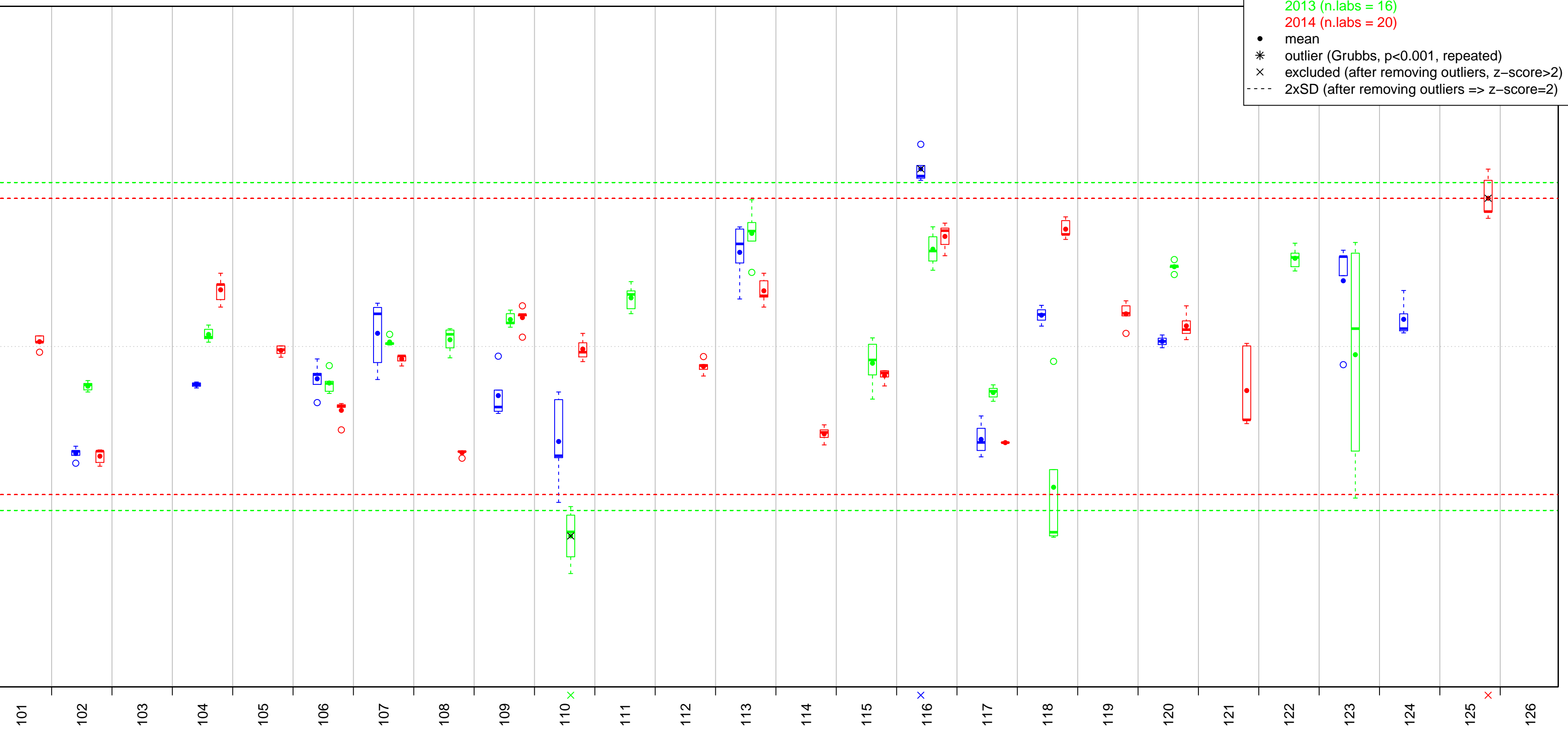


BE sewage 2

normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

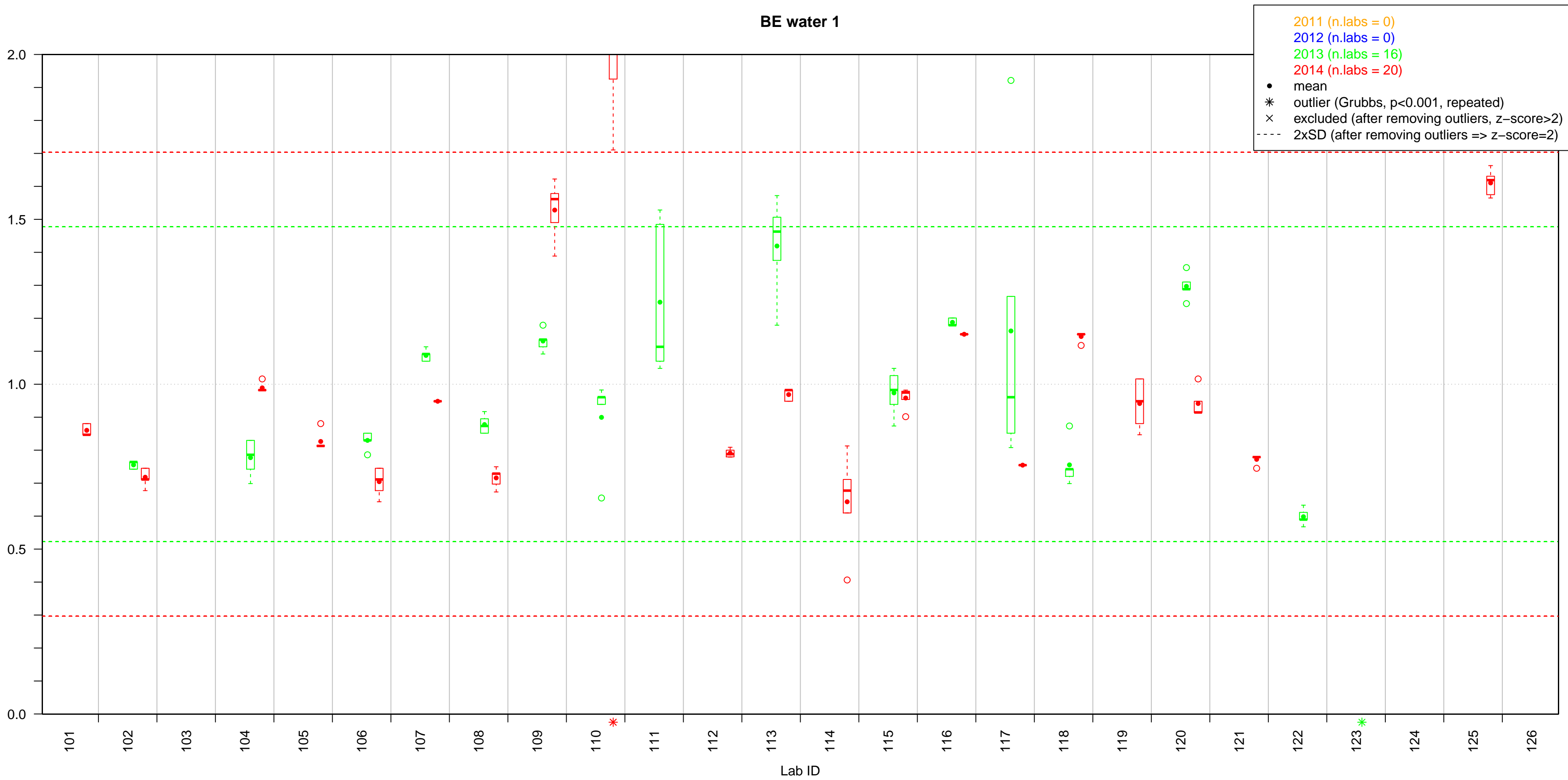
- 2011 (n.labs = 0)
- 2012 (n.labs = 13)
- 2013 (n.labs = 16)
- 2014 (n.labs = 20)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)



Lab ID

BE water 1

normalized concentrations (with mean of means per year after removing outliers)

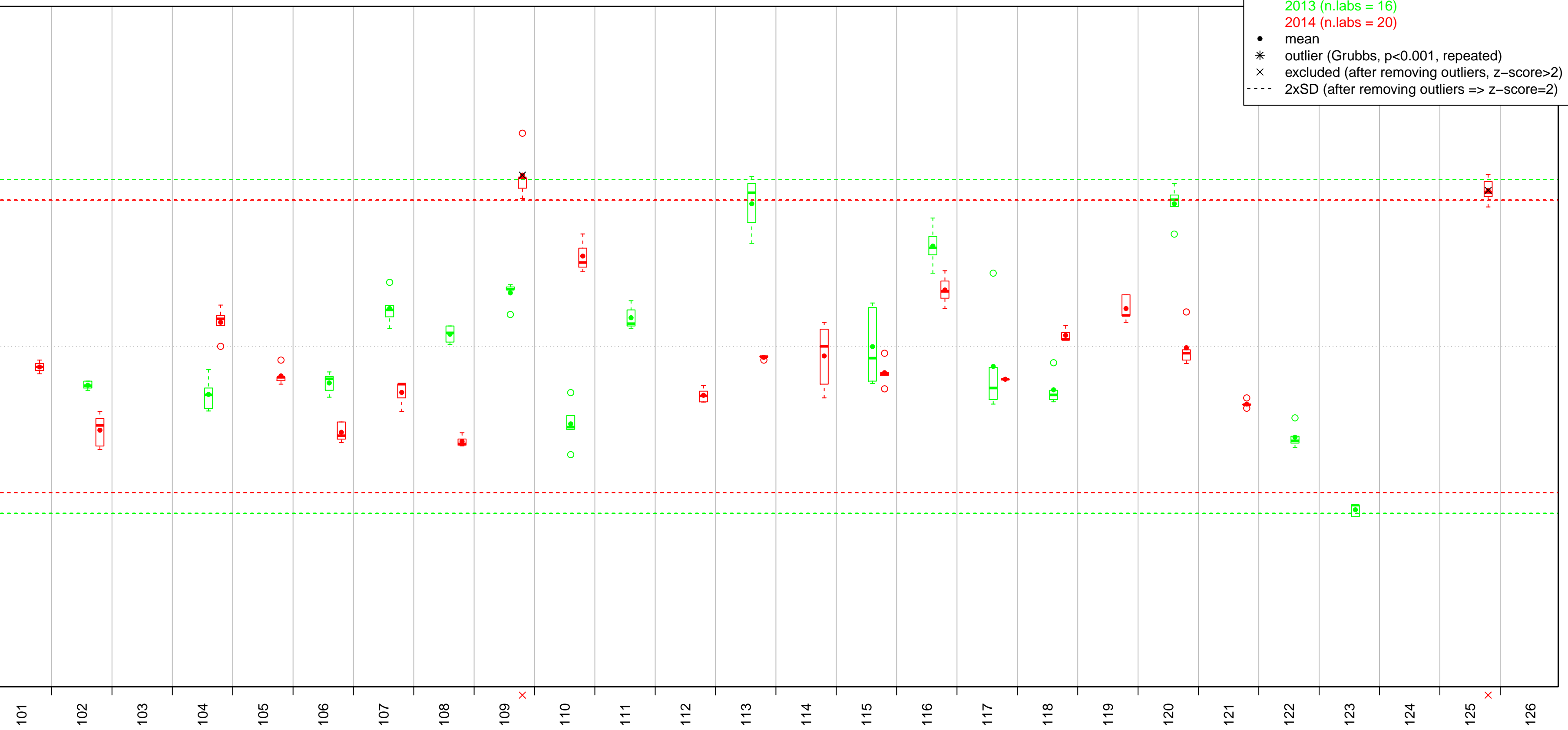


BE water 2

normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 0)
- 2013 (n.labs = 16)
- 2014 (n.labs = 20)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

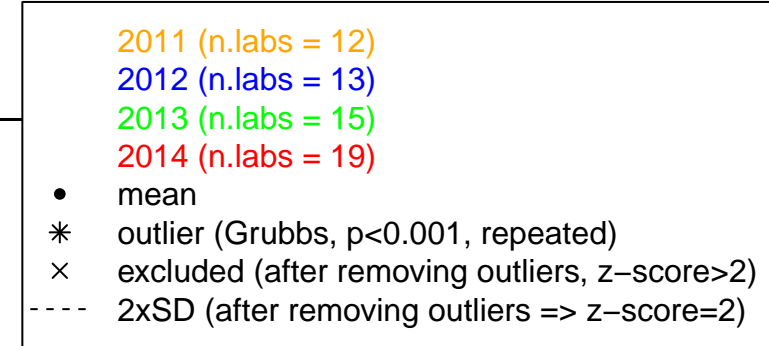


Lab ID

COC MeOH 1

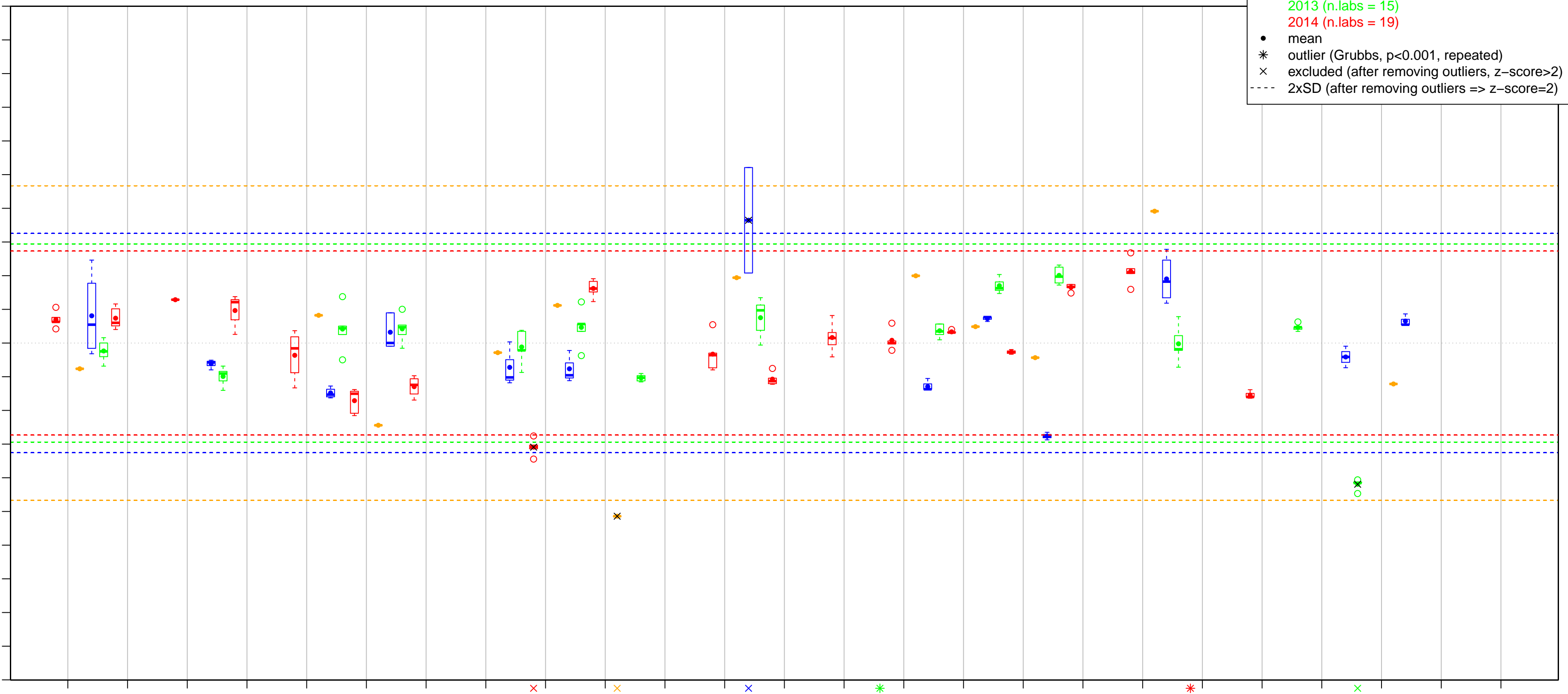
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0



101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



COC MeOH 2

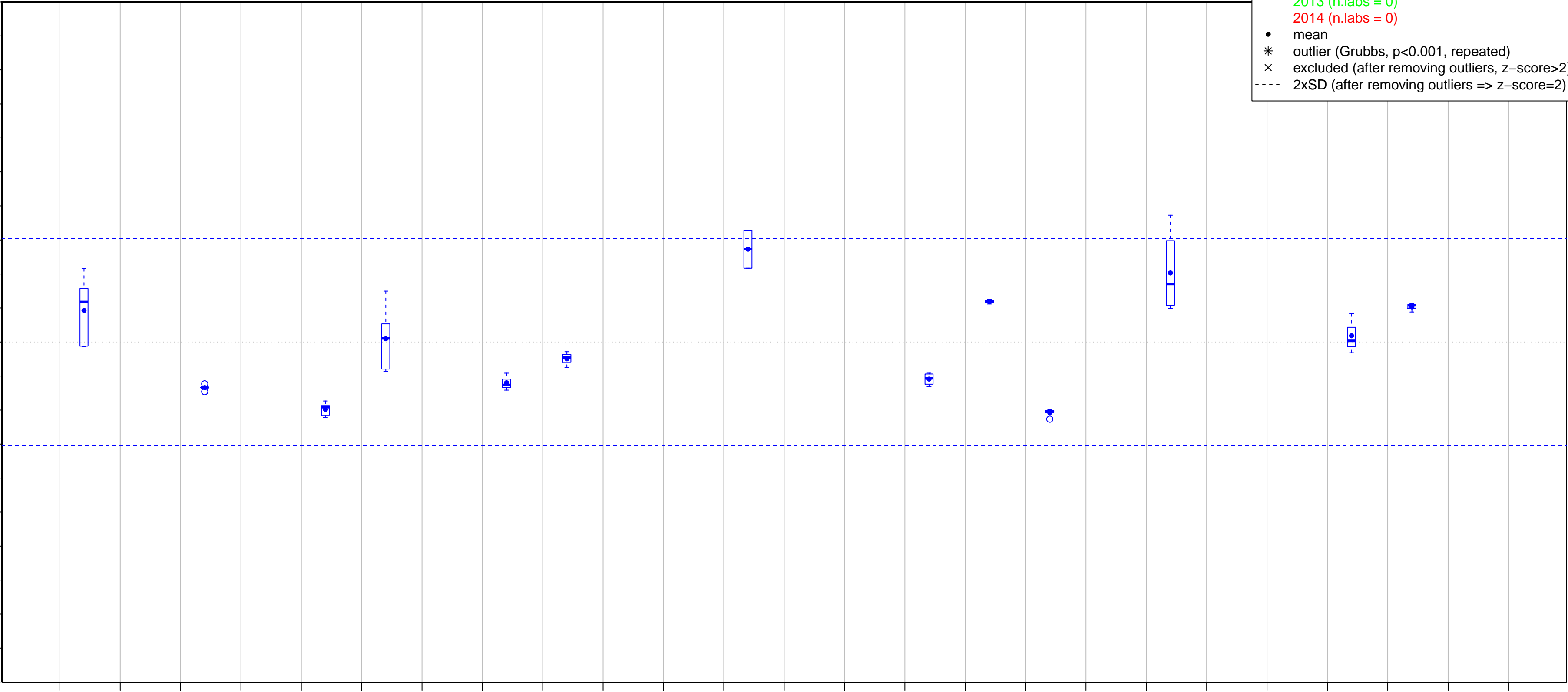
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 13)
- 2013 (n.labs = 0)
- 2014 (n.labs = 0)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

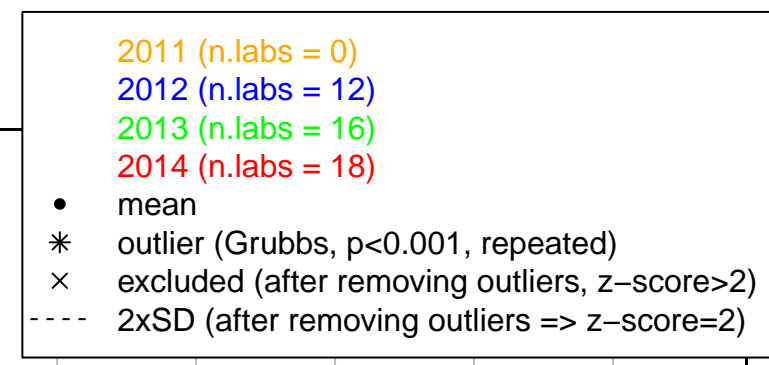
Lab ID



COC sewage 1

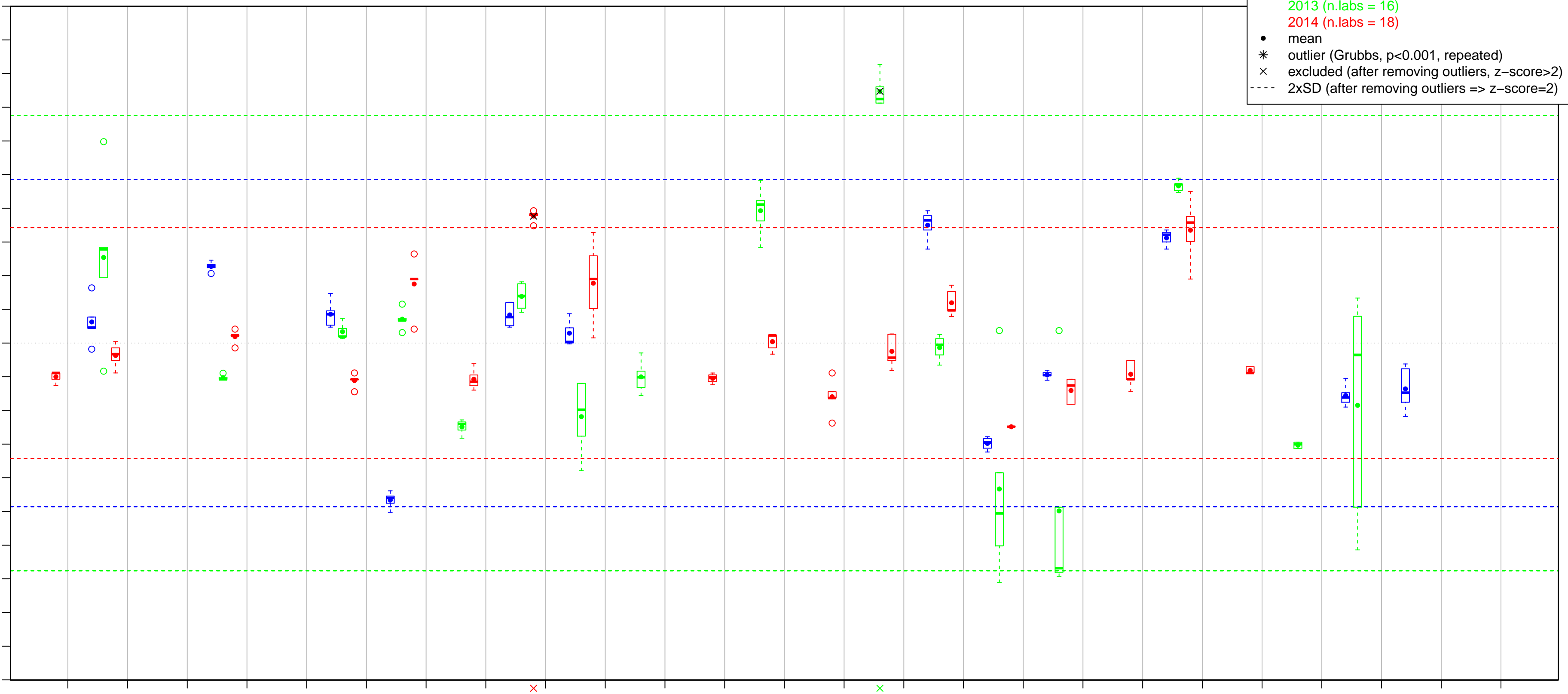
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0



101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



COC sewage 2

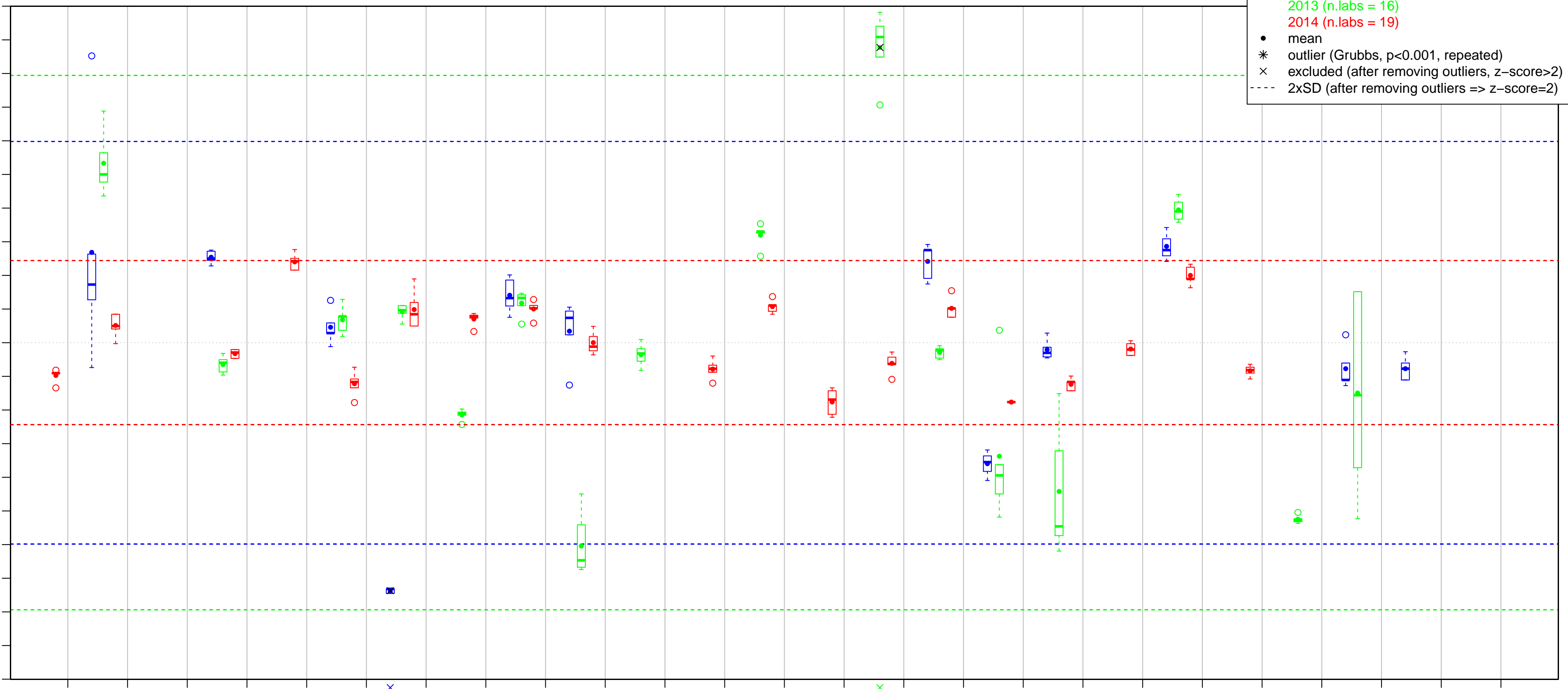
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 12)
- 2013 (n.labs = 16)
- 2014 (n.labs = 19)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



COC water 1

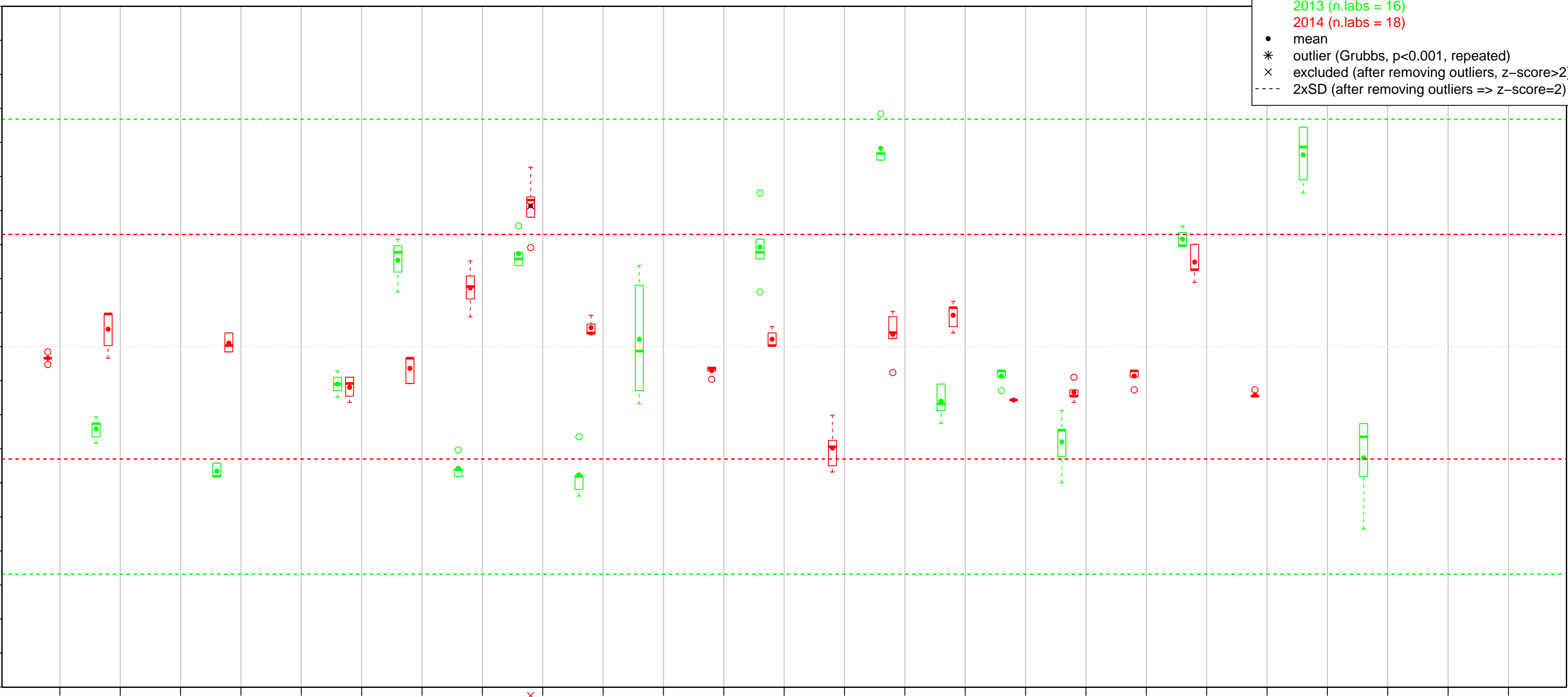
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 0)
- 2013 (n.labs = 16)
- 2014 (n.labs = 18)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

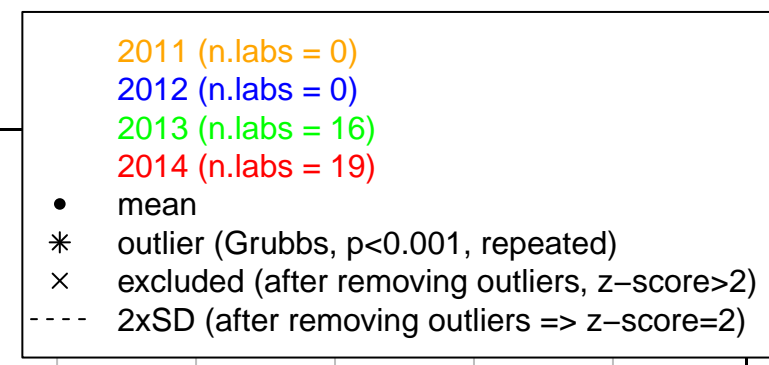
Lab ID



COC water 2

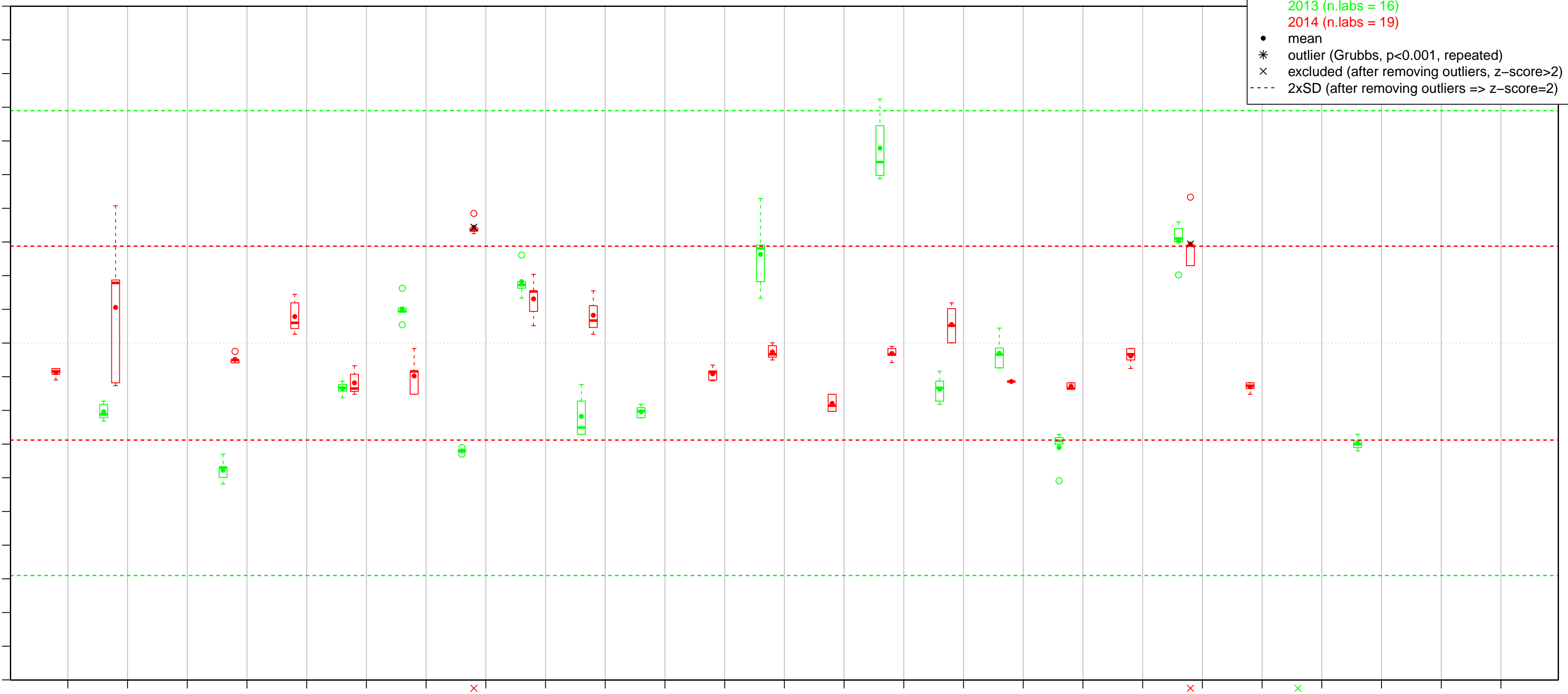
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0



101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

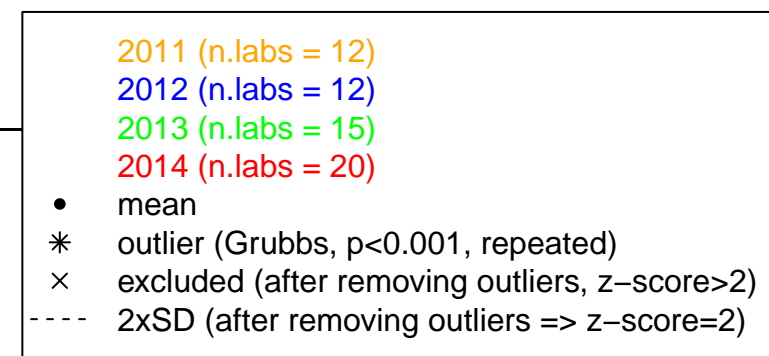
Lab ID



MDMA MeOH 1

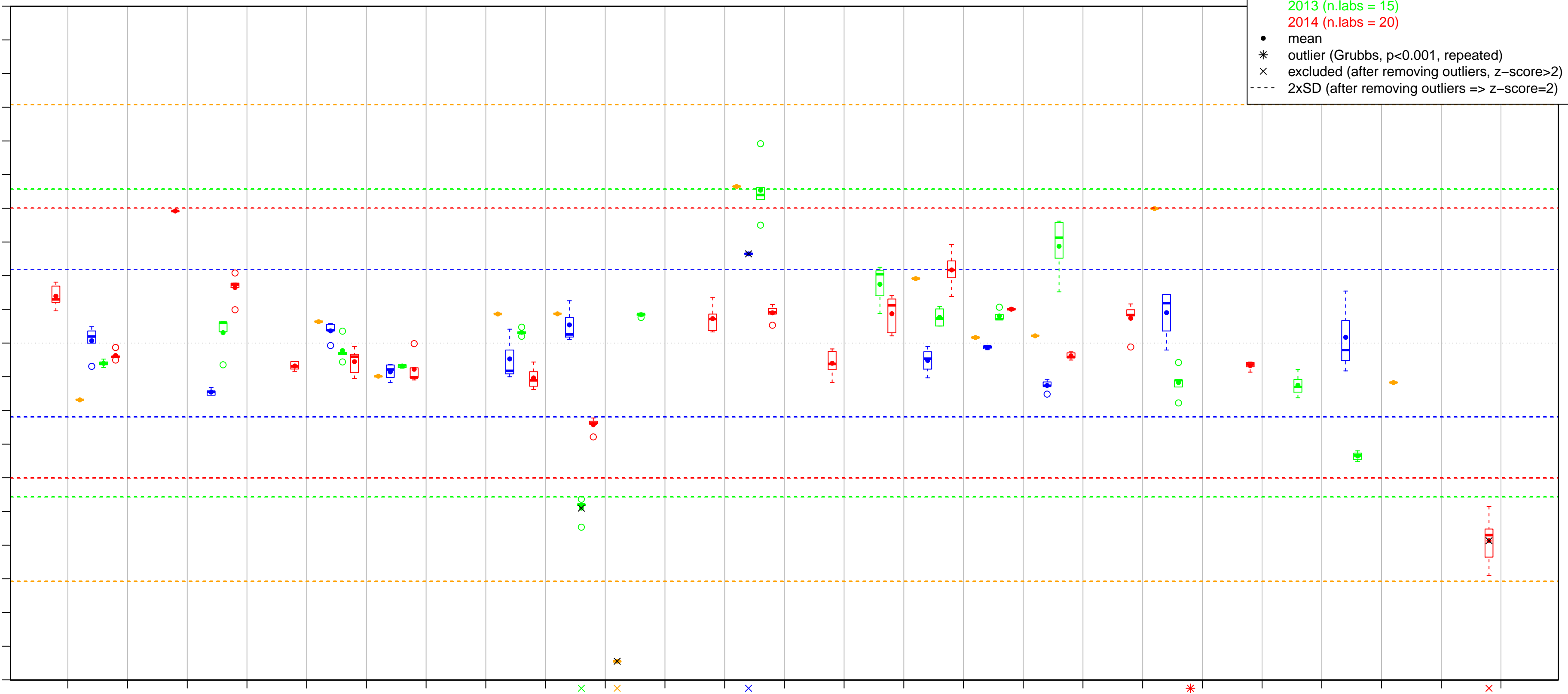
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0



101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



MDMA MeOH 2

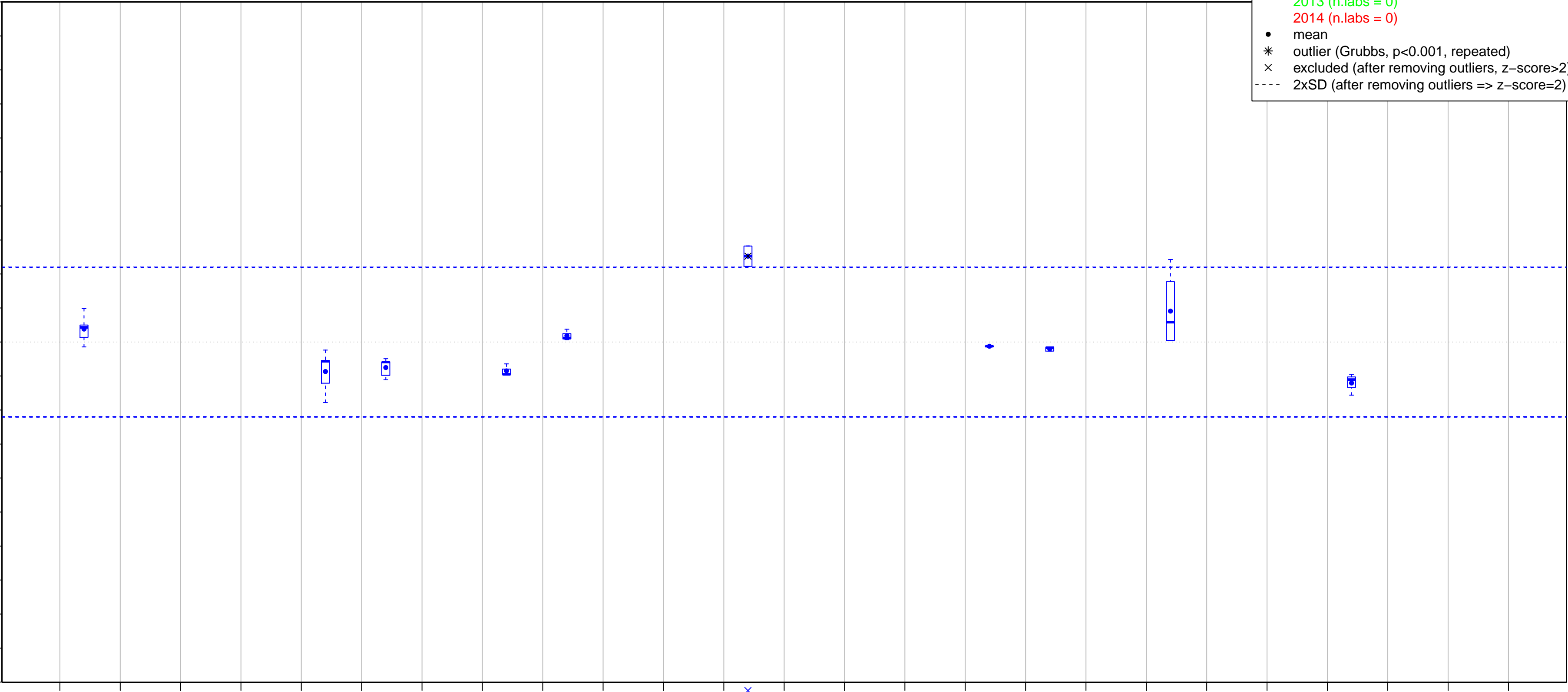
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 10)
- 2013 (n.labs = 0)
- 2014 (n.labs = 0)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



MDMA sewage 1

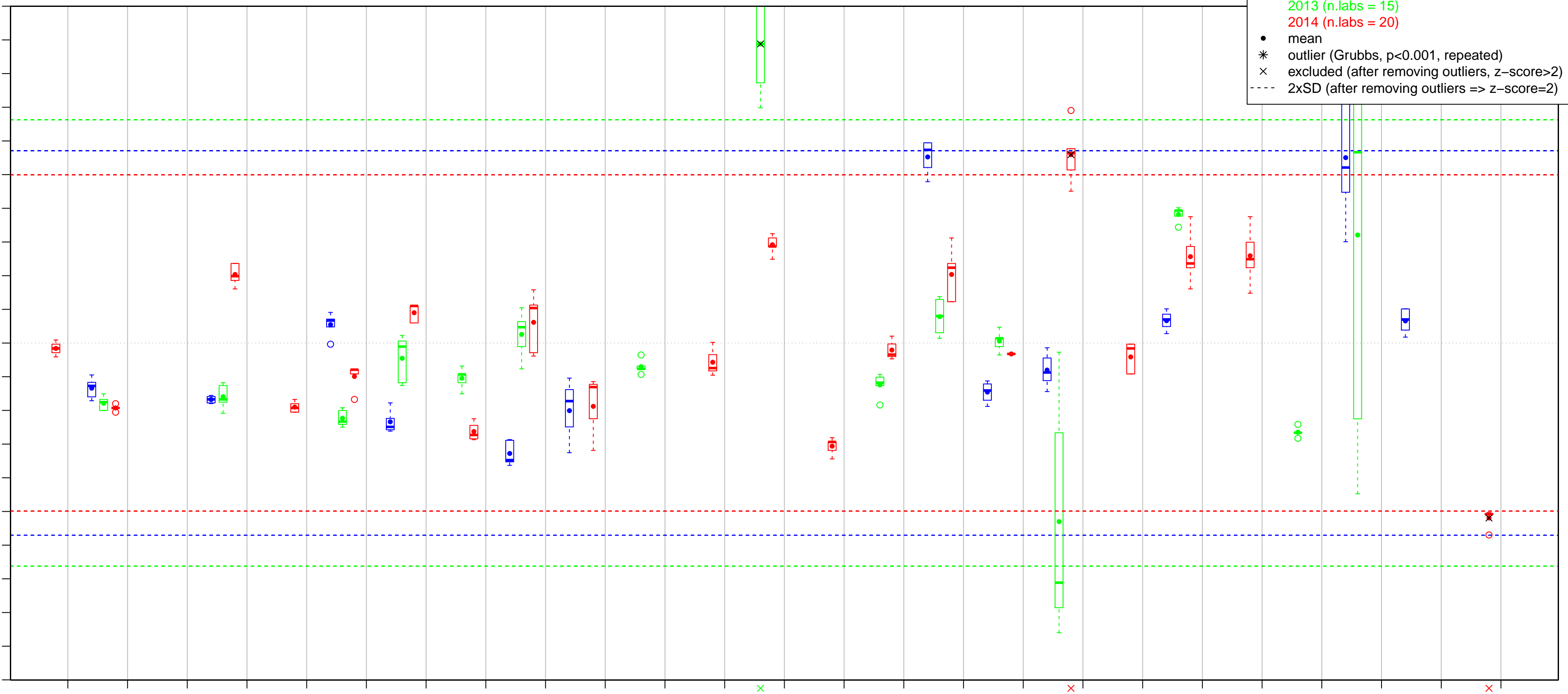
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

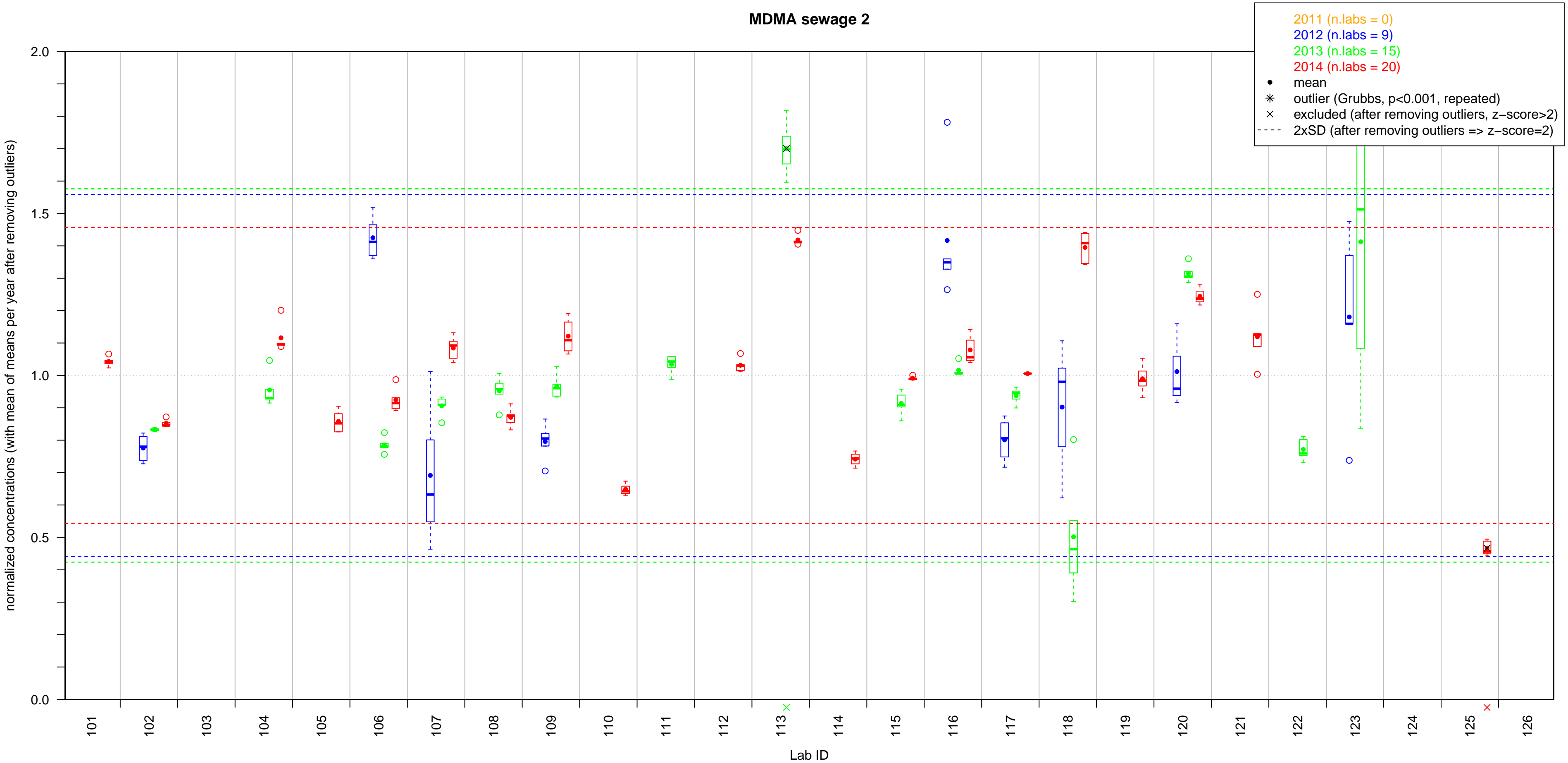
- 2011 (n.labs = 0)
- 2012 (n.labs = 12)
- 2013 (n.labs = 15)
- 2014 (n.labs = 20)
- mean
- * outlier (Grubbs, p<0.001, repeated)
- × excluded (after removing outliers, z-score>2)
- - - 2xSD (after removing outliers => z-score=2)

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID

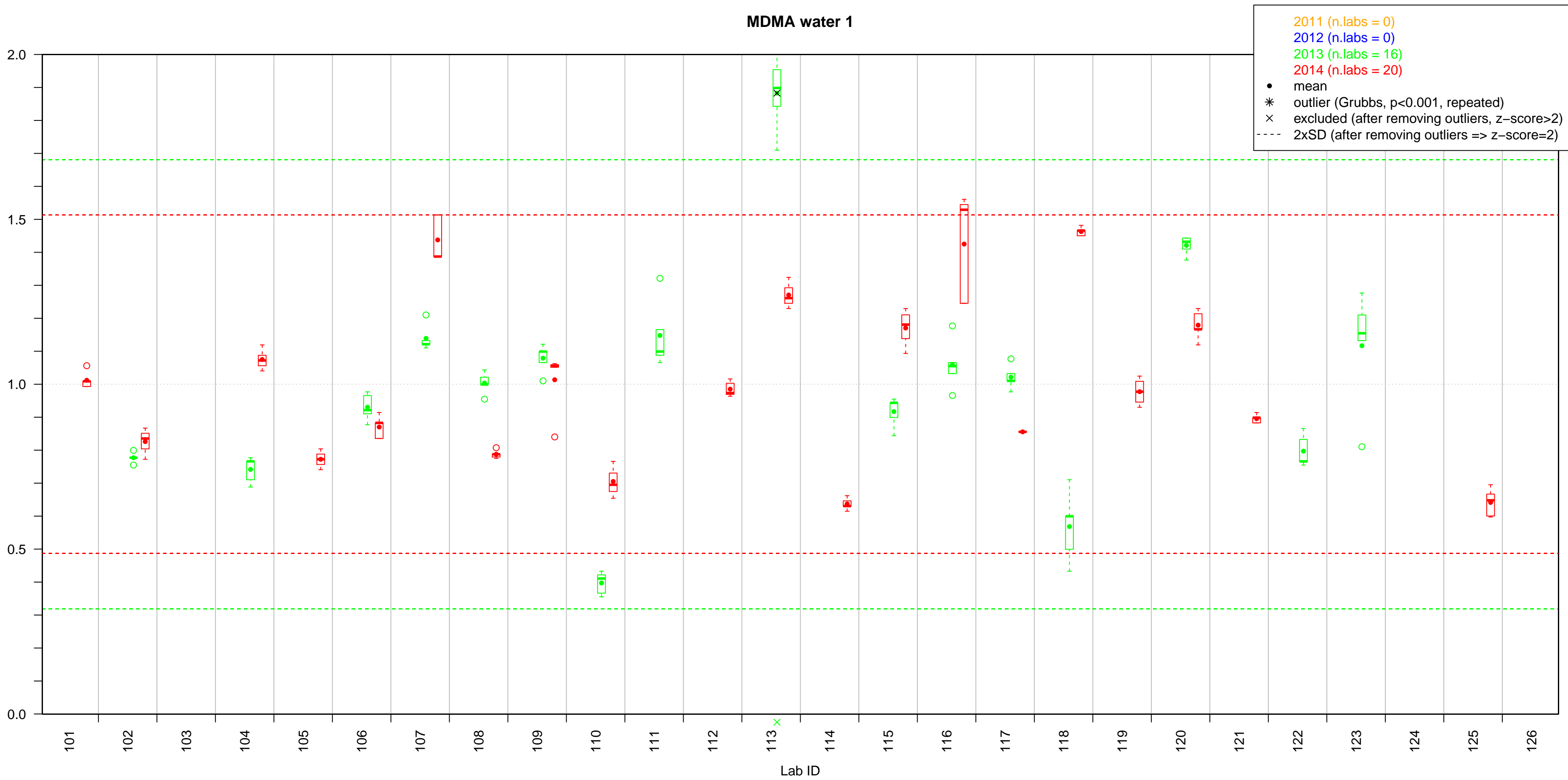


MDMA sewage 2



MDMA water 1

normalized concentrations (with mean of means per year after removing outliers)

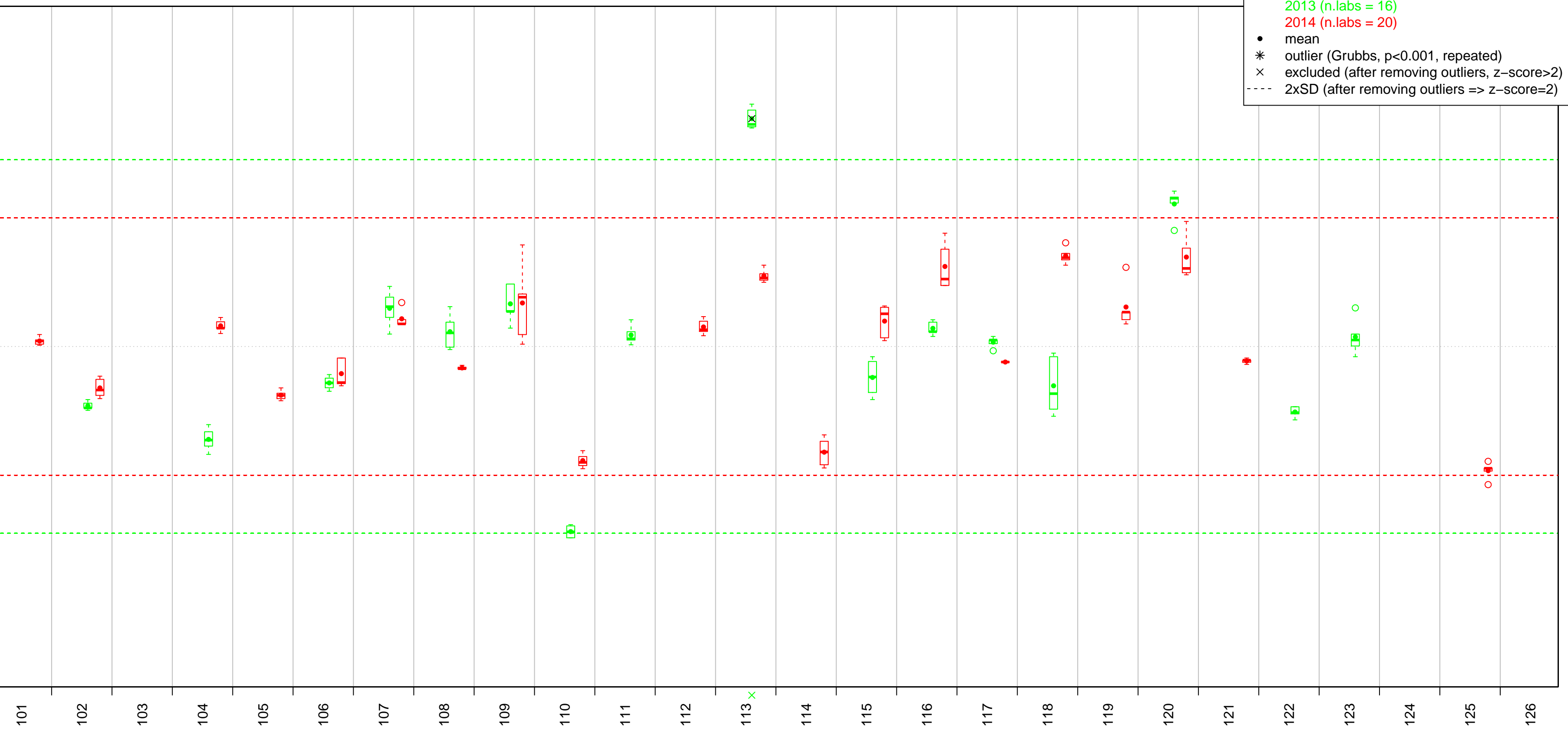


MDMA water 2

normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 0)
- 2013 (n.labs = 16)
- 2014 (n.labs = 20)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

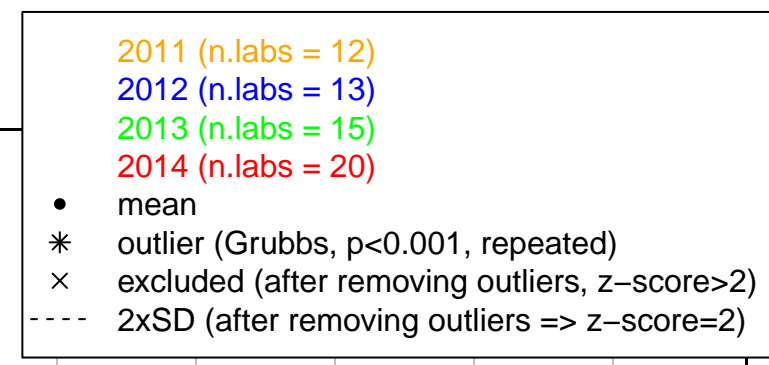


Lab ID

AMPH MeOH 1

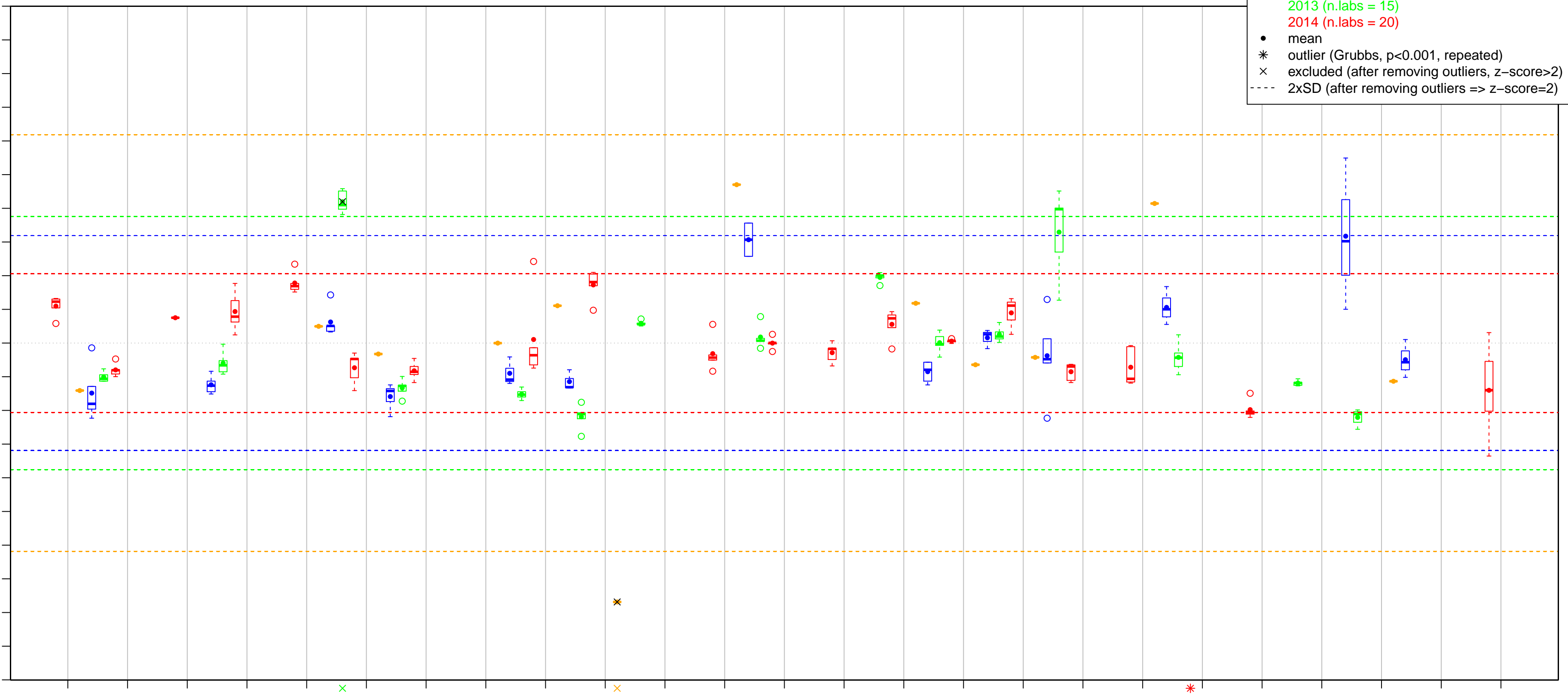
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0



101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



AMPH MeOH 2

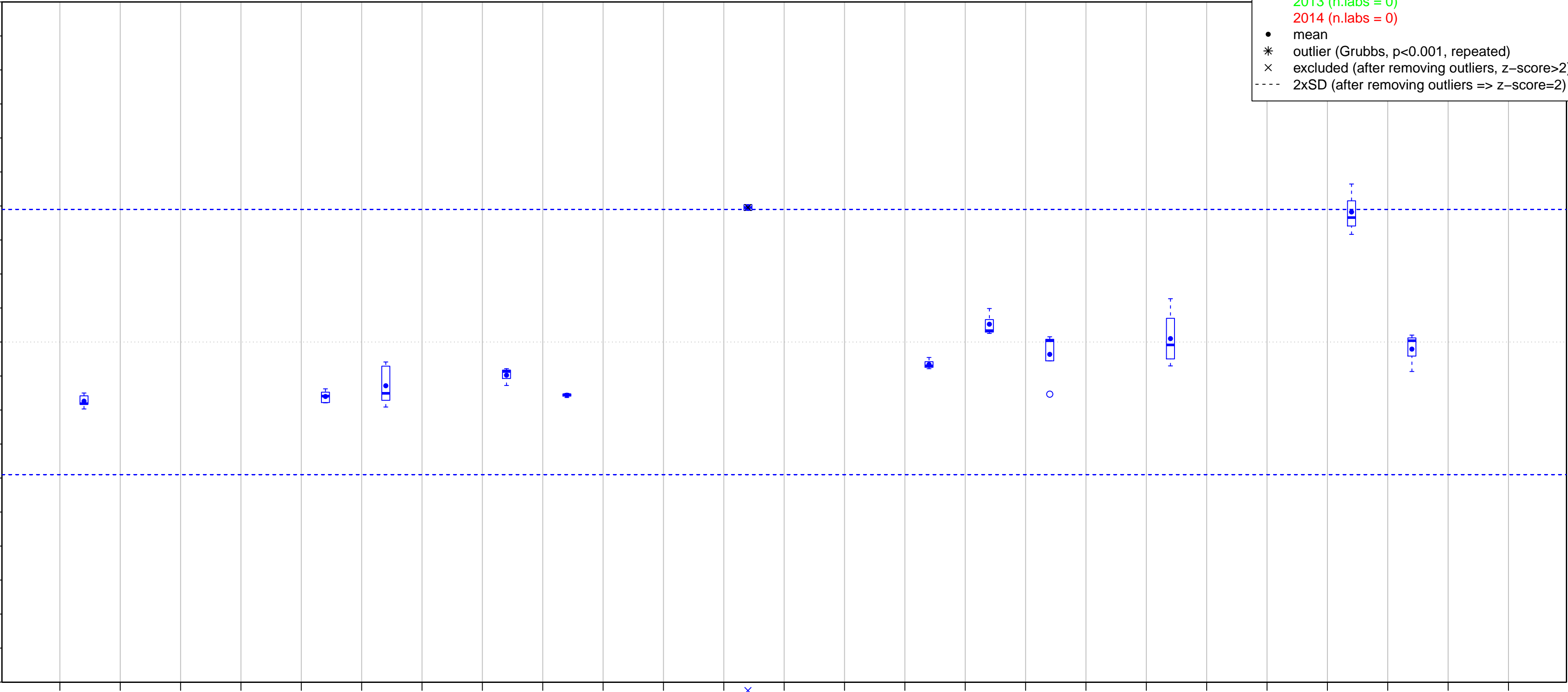
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 12)
- 2013 (n.labs = 0)
- 2014 (n.labs = 0)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

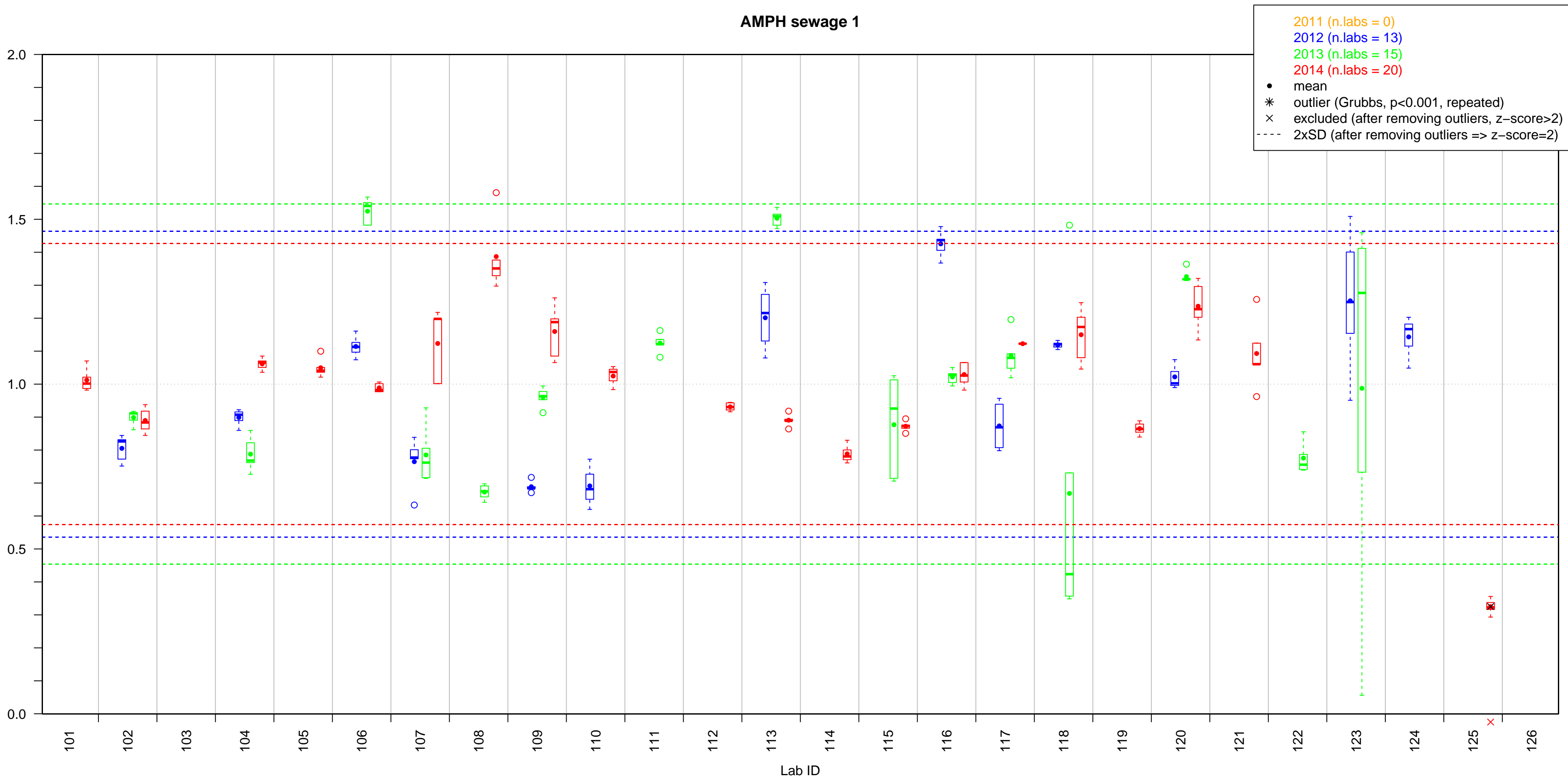
101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



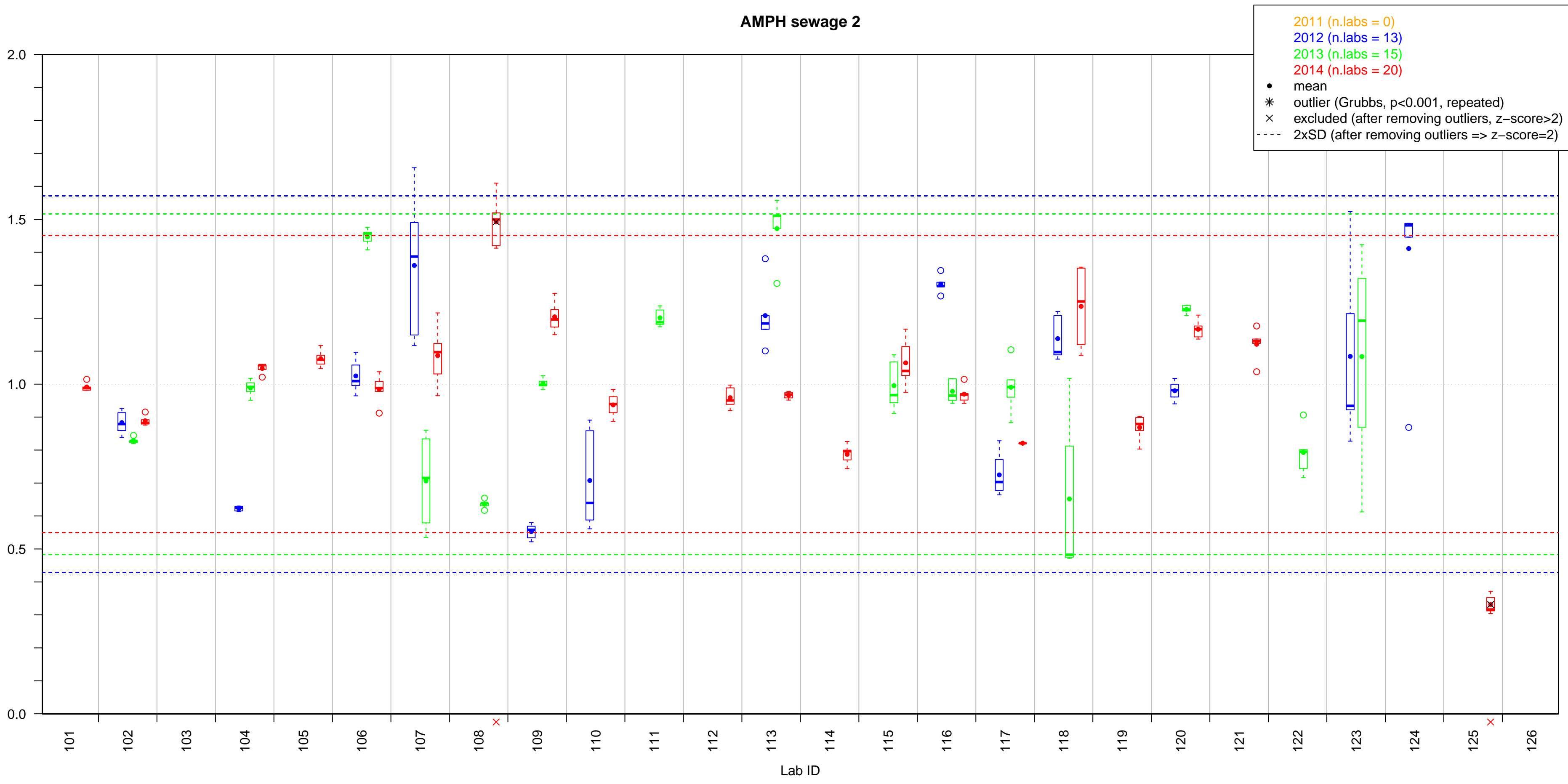
AMPH sewage 1

normalized concentrations (with mean of means per year after removing outliers)



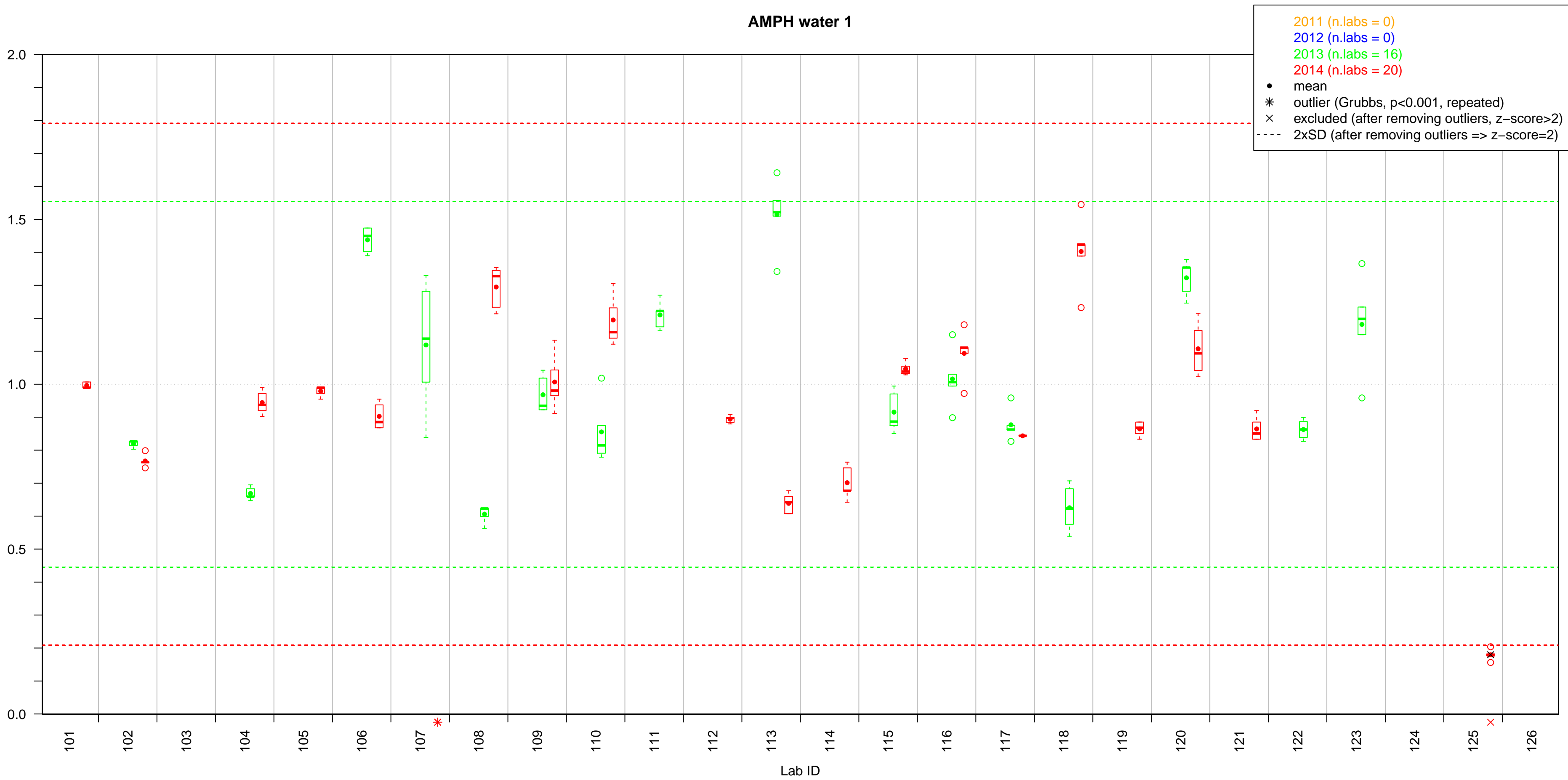
AMPH sewage 2

normalized concentrations (with mean of means per year after removing outliers)



AMPH water 1

normalized concentrations (with mean of means per year after removing outliers)

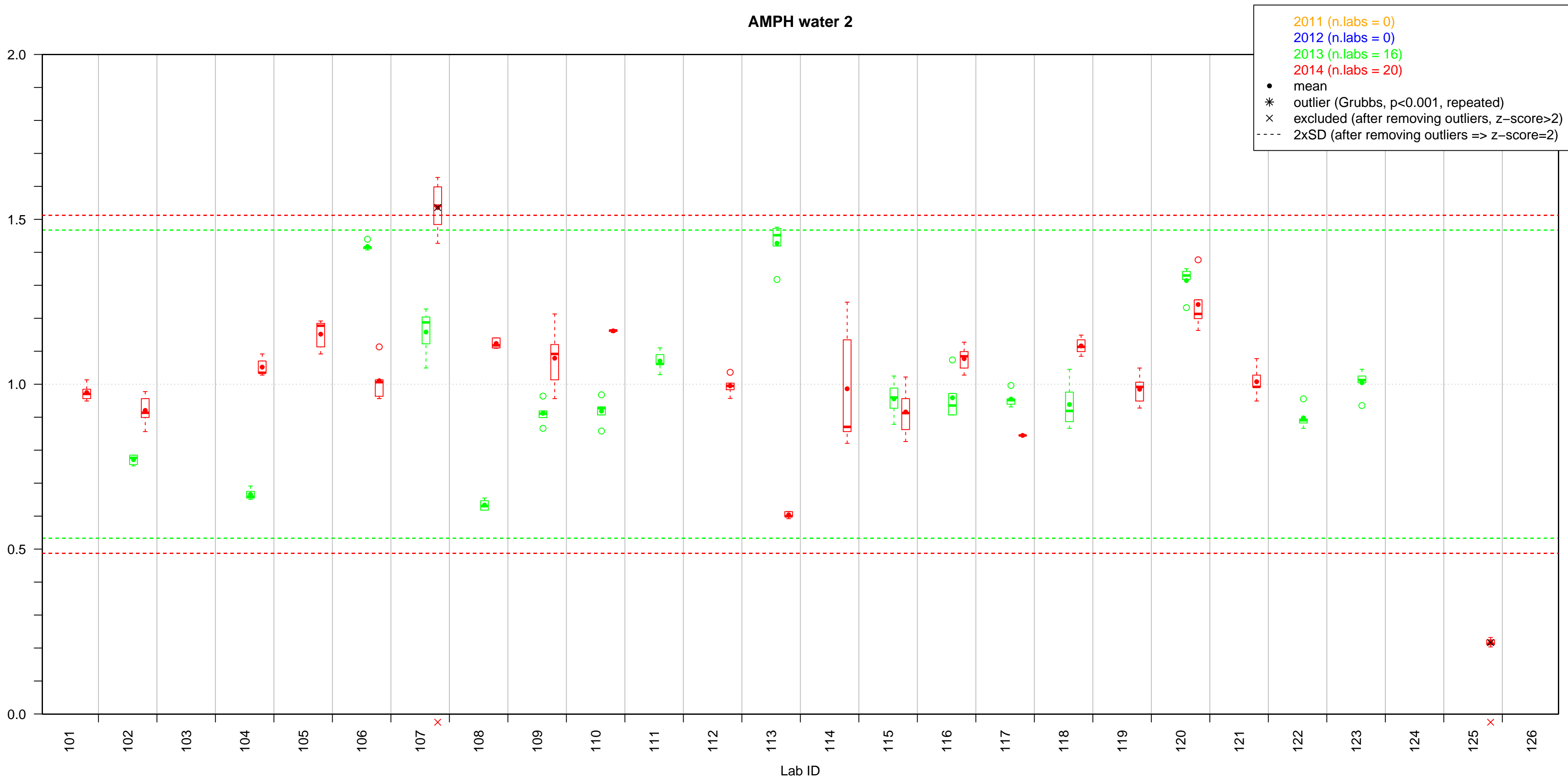


2011 (n.labs = 0)
2012 (n.labs = 0)
2013 (n.labs = 16)
2014 (n.labs = 20)

- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

AMPH water 2

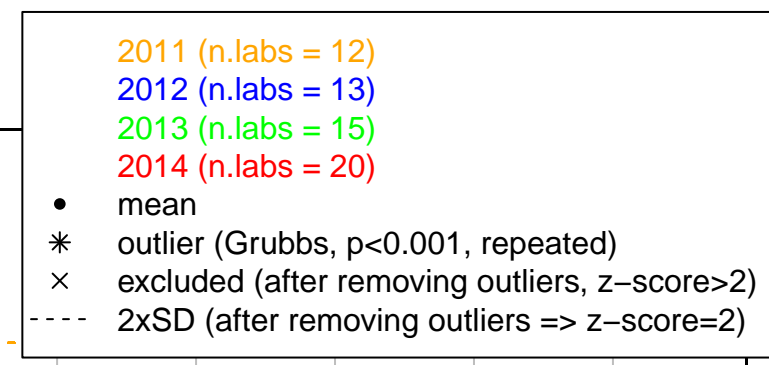
normalized concentrations (with mean of means per year after removing outliers)



METH MeOH 1

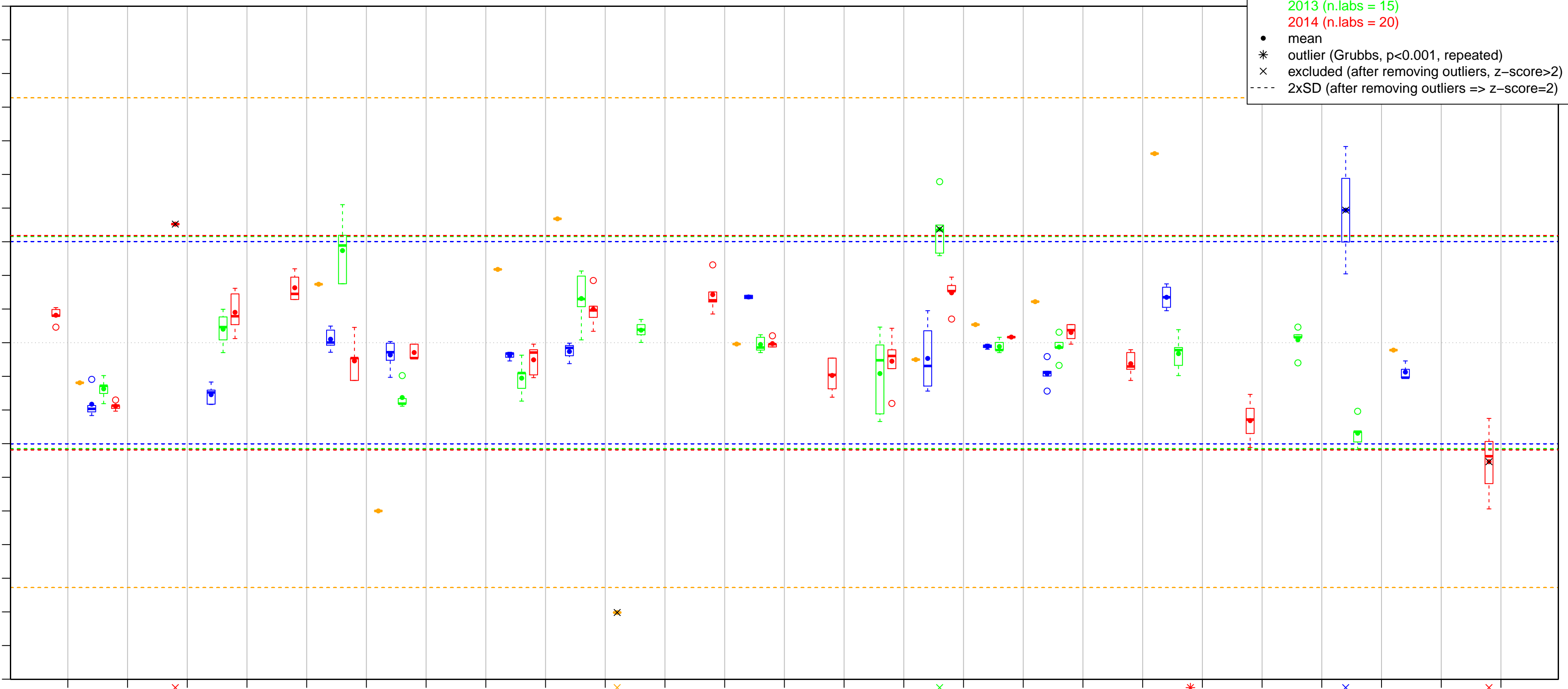
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0



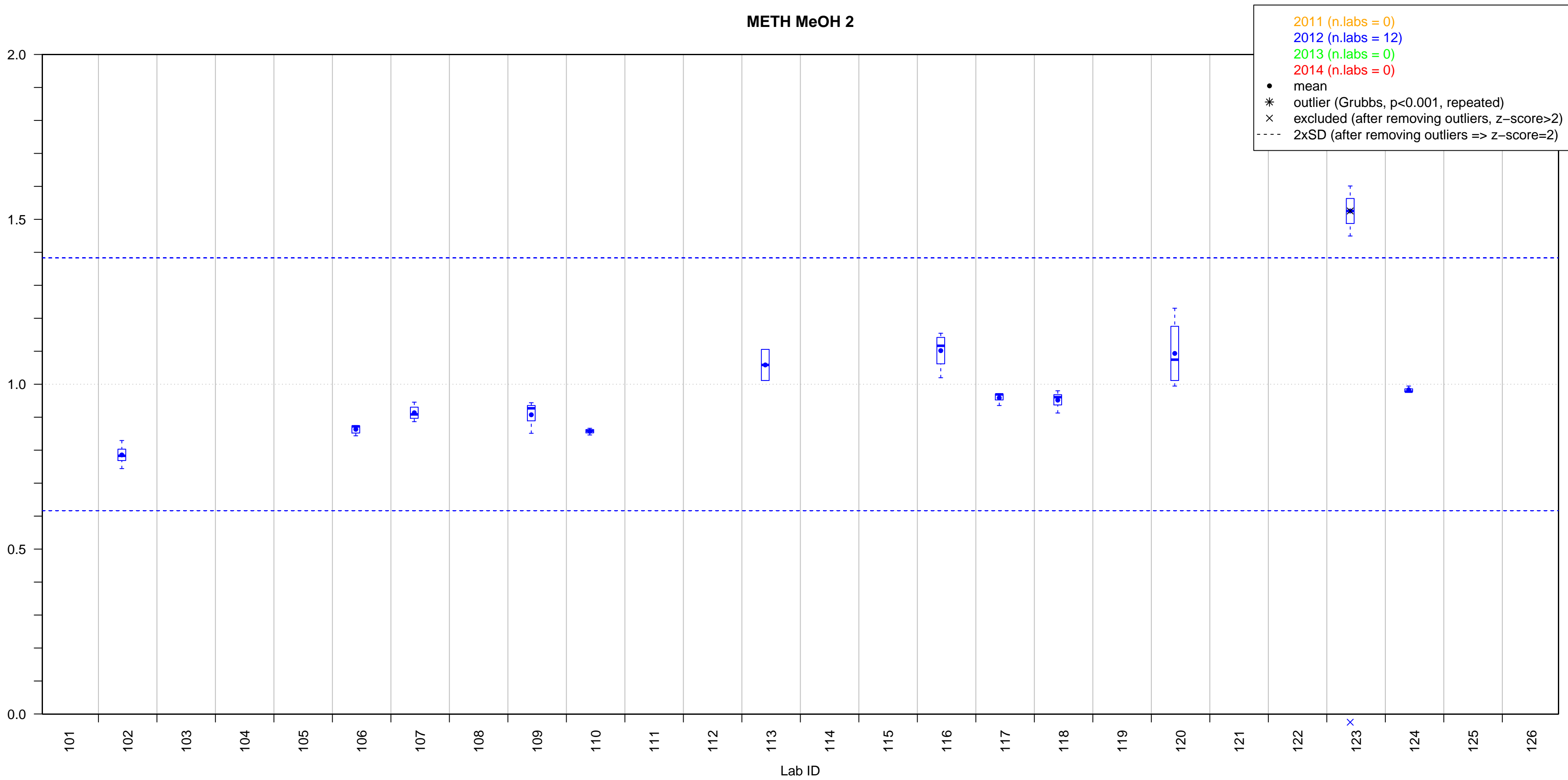
101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



METH MeOH 2

normalized concentrations (with mean of means per year after removing outliers)

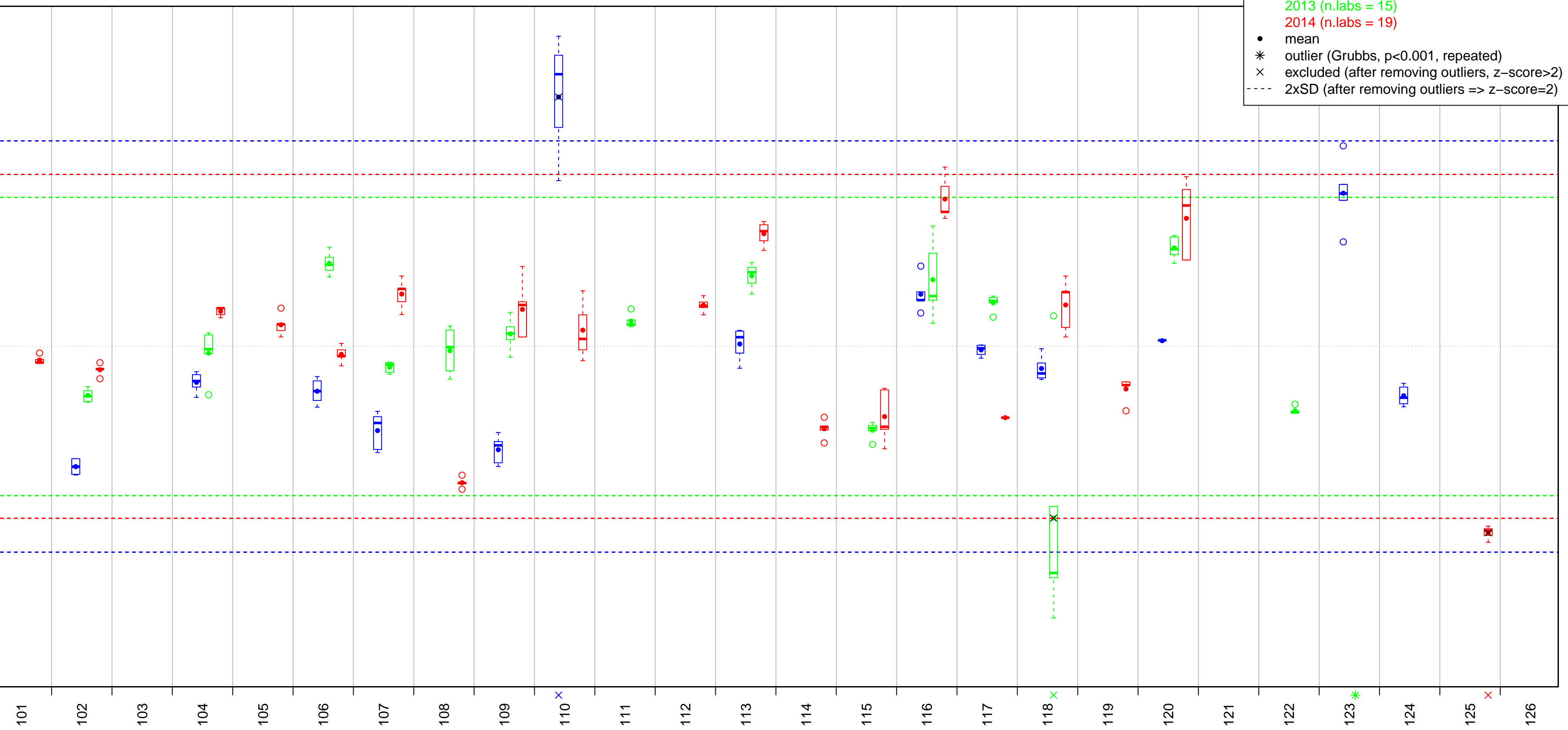


METH sewage 1

normalized concentrations (with mean of means per year after removing outliers)

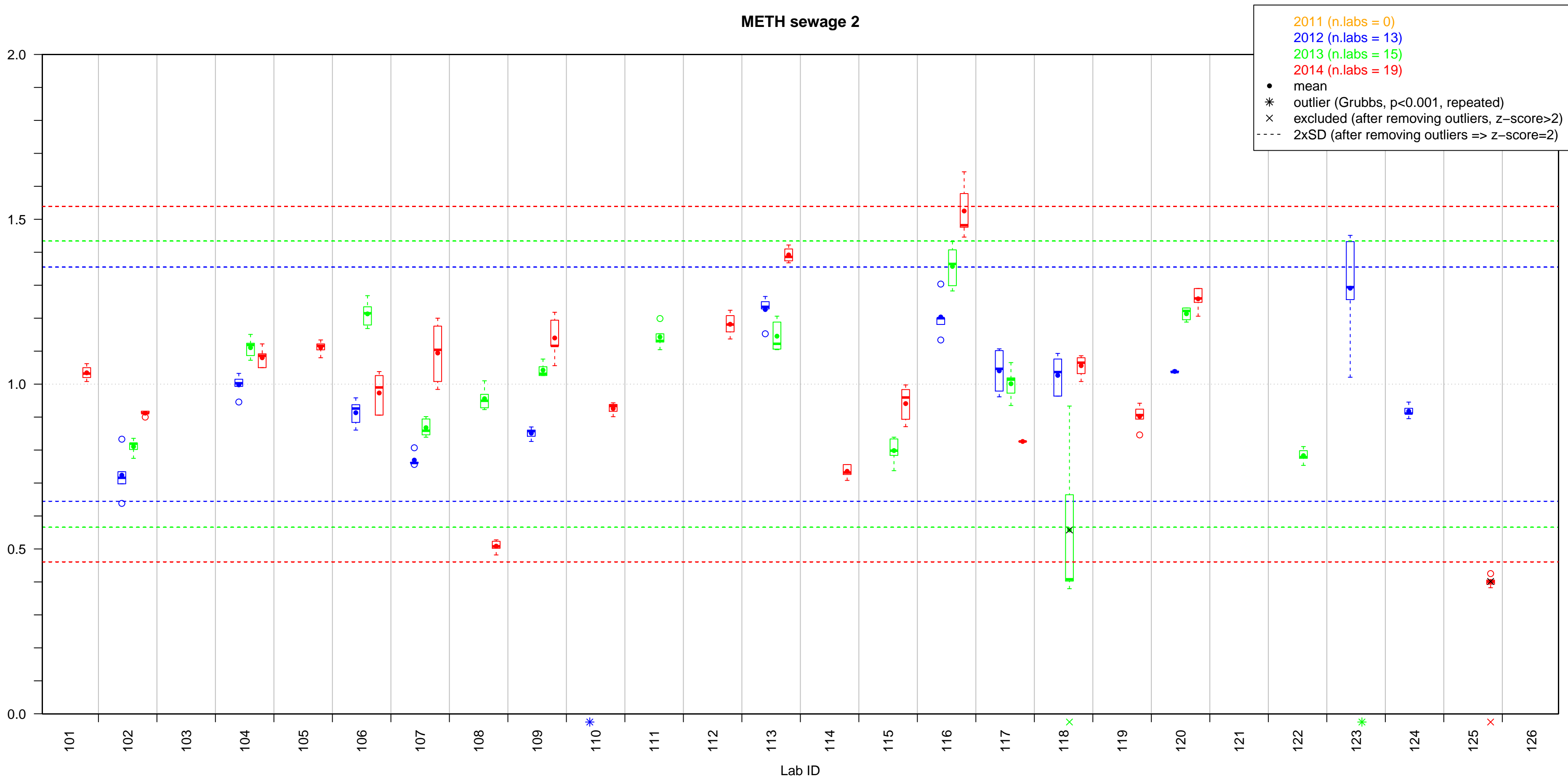
2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 13)
- 2013 (n.labs = 15)
- 2014 (n.labs = 19)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

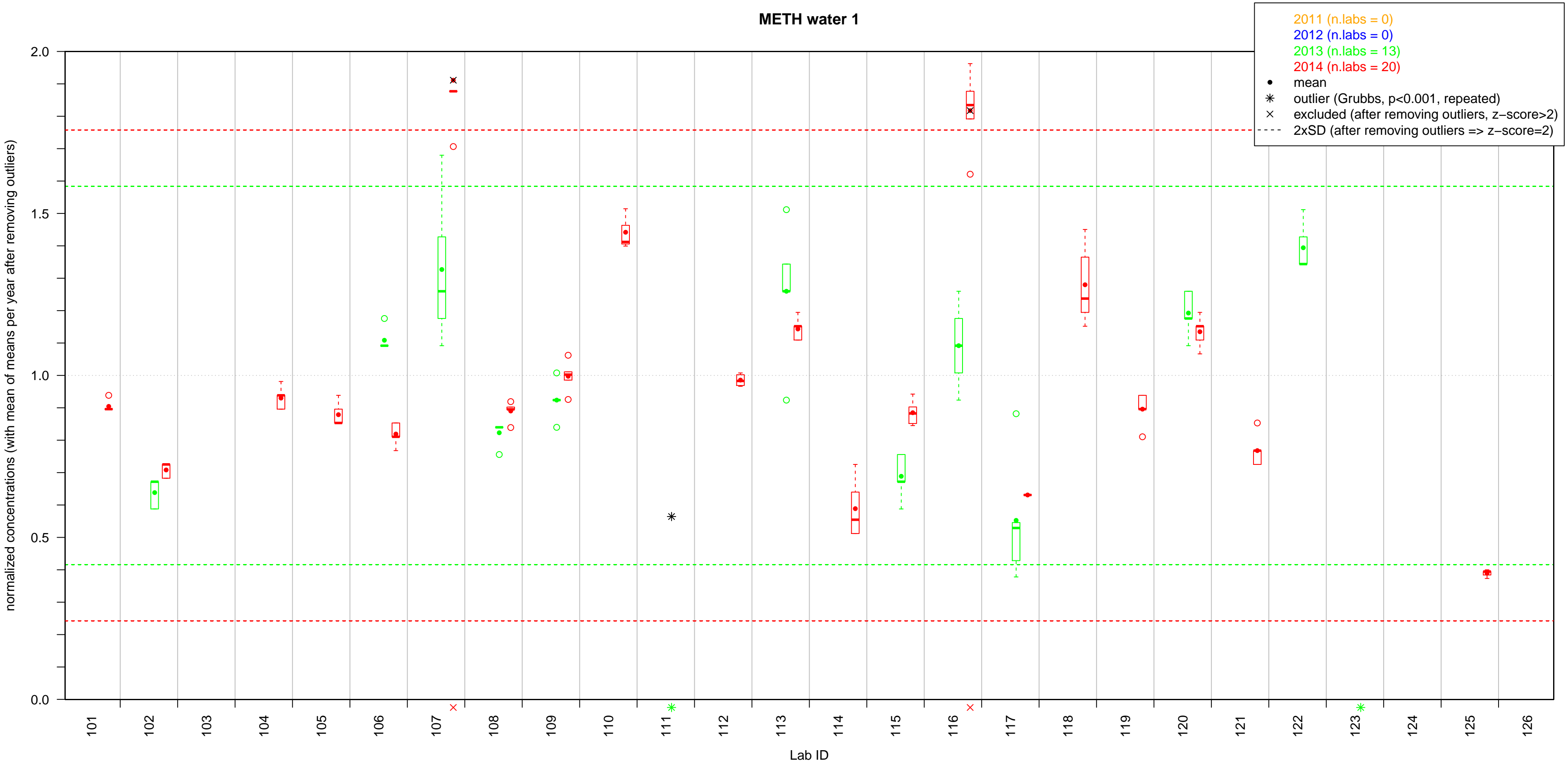


METH sewage 2

normalized concentrations (with mean of means per year after removing outliers)

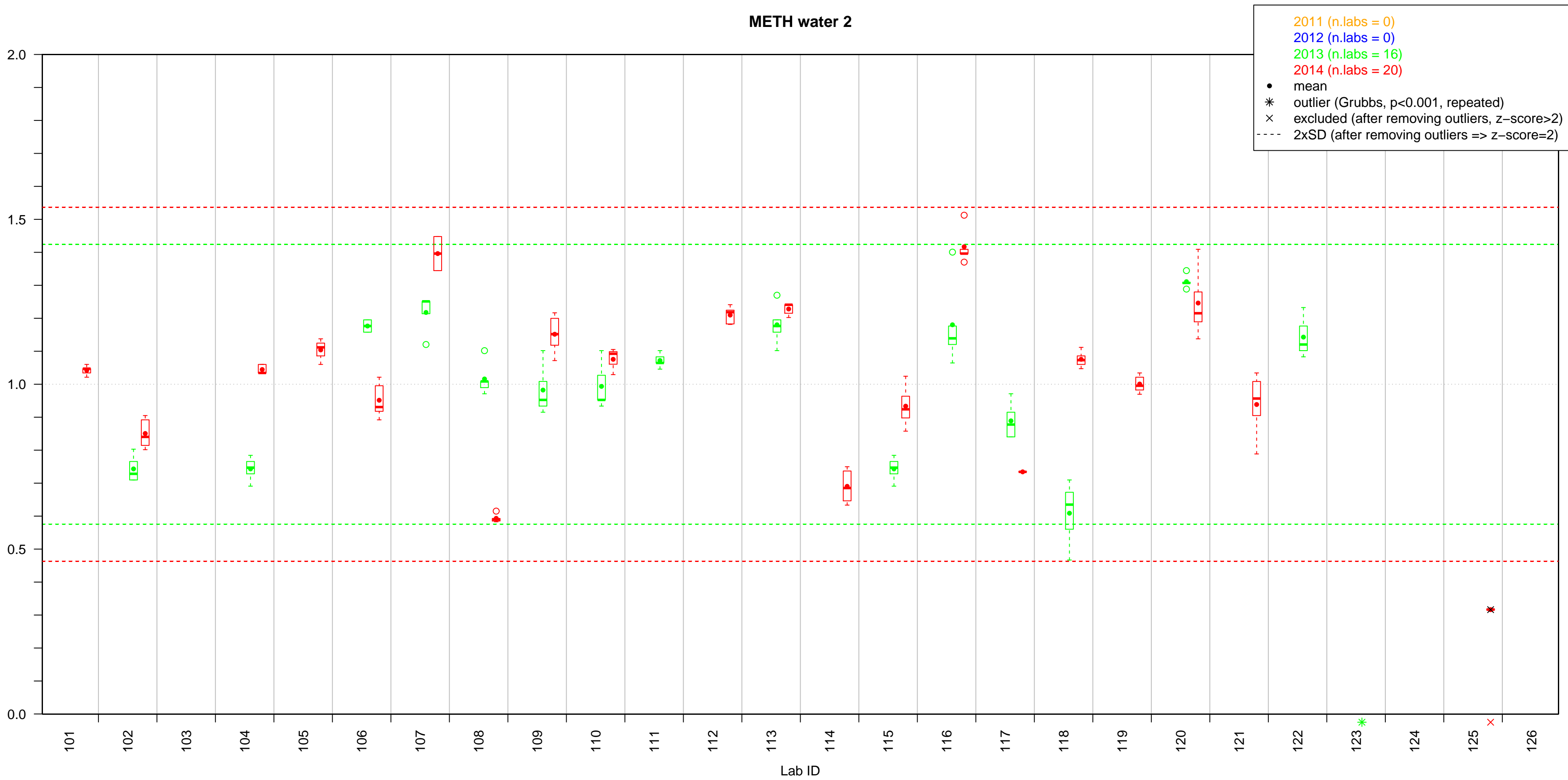


METH water 1

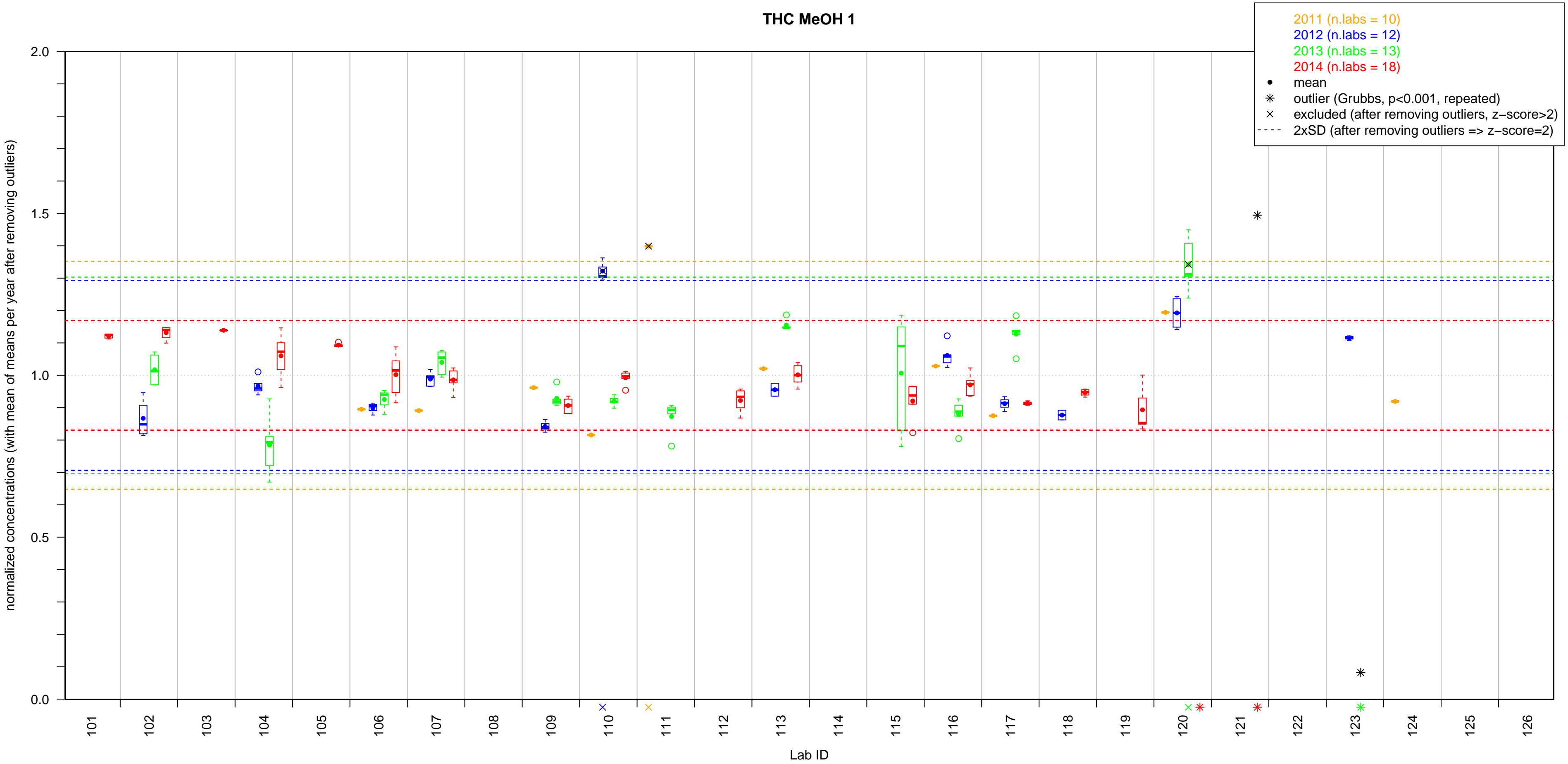


METH water 2

normalized concentrations (with mean of means per year after removing outliers)



THC MeOH 1



THC sewage 1

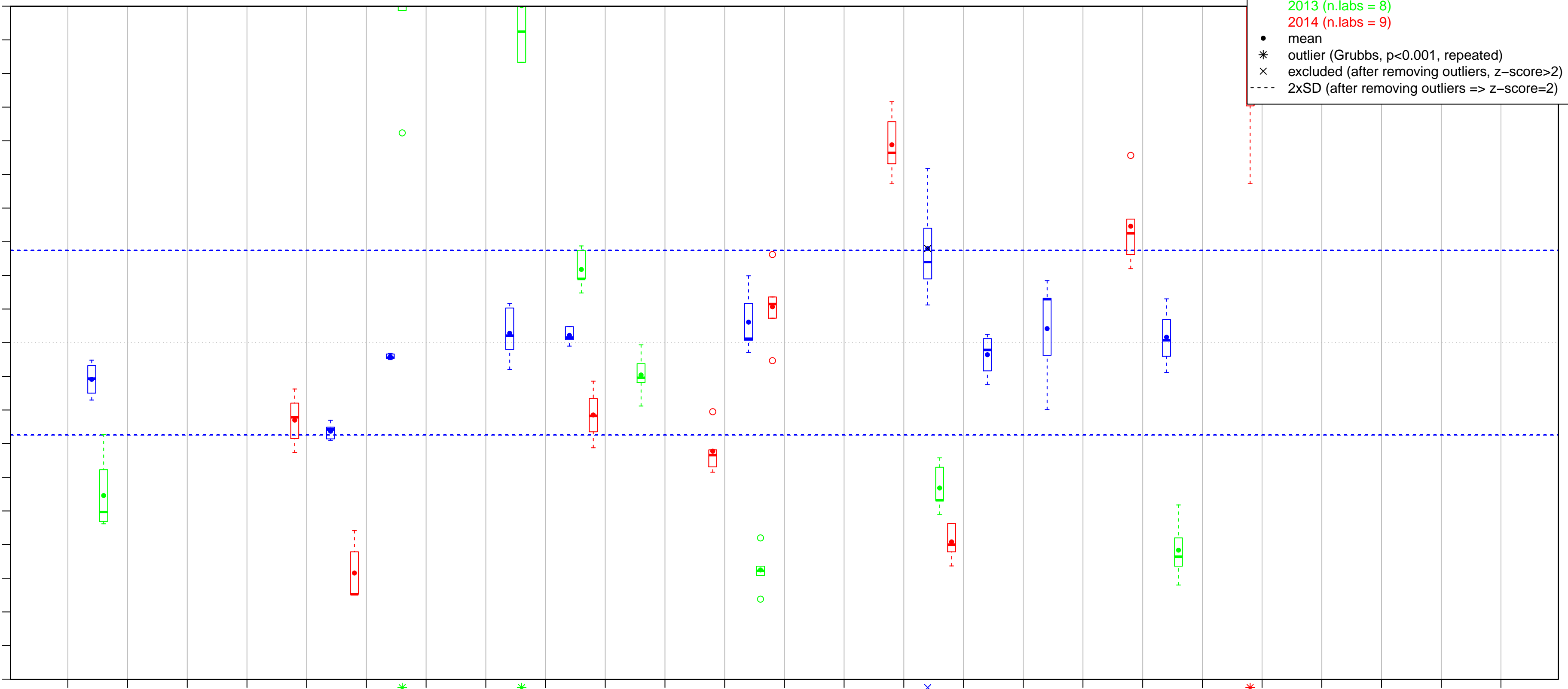
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 10)
- 2013 (n.labs = 8)
- 2014 (n.labs = 9)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



THC sewage 2

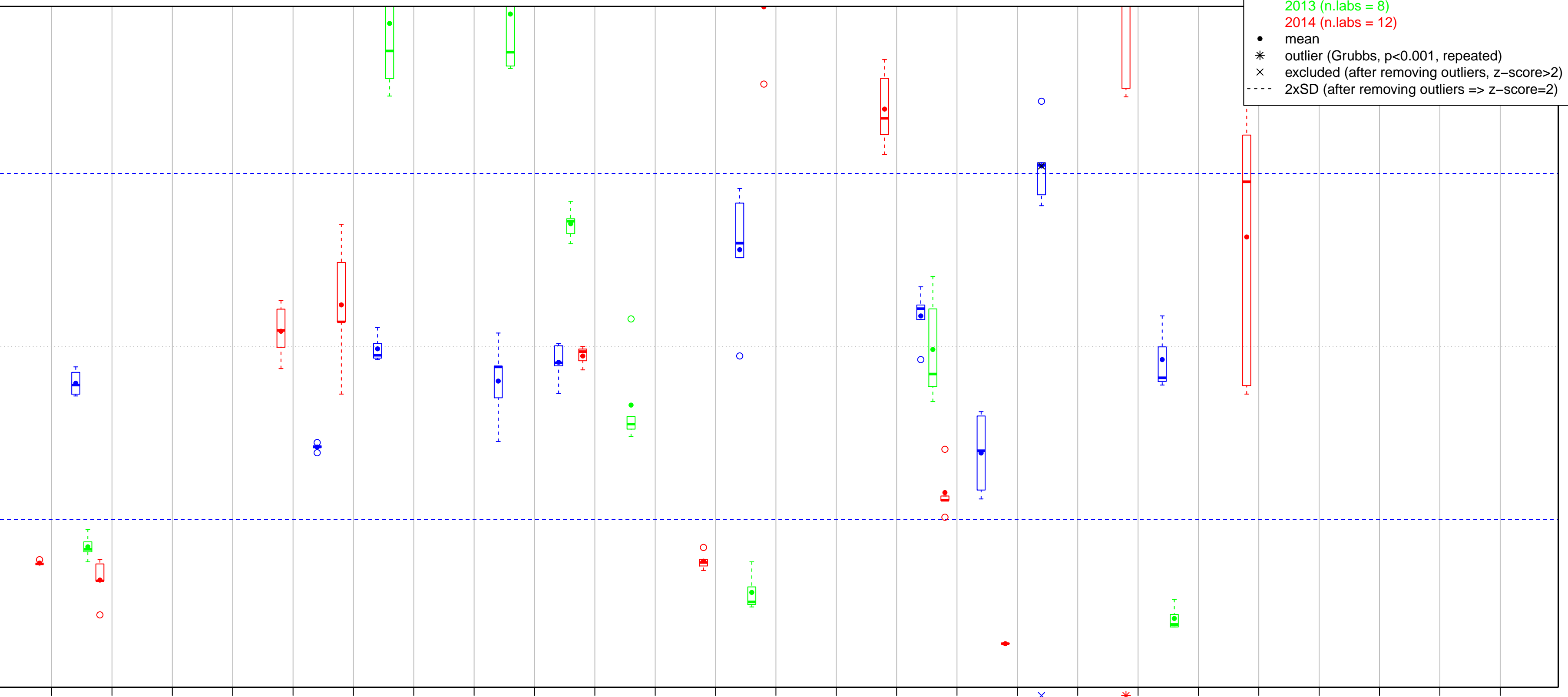
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 10)
- 2013 (n.labs = 8)
- 2014 (n.labs = 12)
- mean
- * outlier (Grubbs, $p < 0.001$, repeated)
- × excluded (after removing outliers, $z\text{-score} > 2$)
- - - 2xSD (after removing outliers $\Rightarrow z\text{-score} = 2$)

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



THC water 1

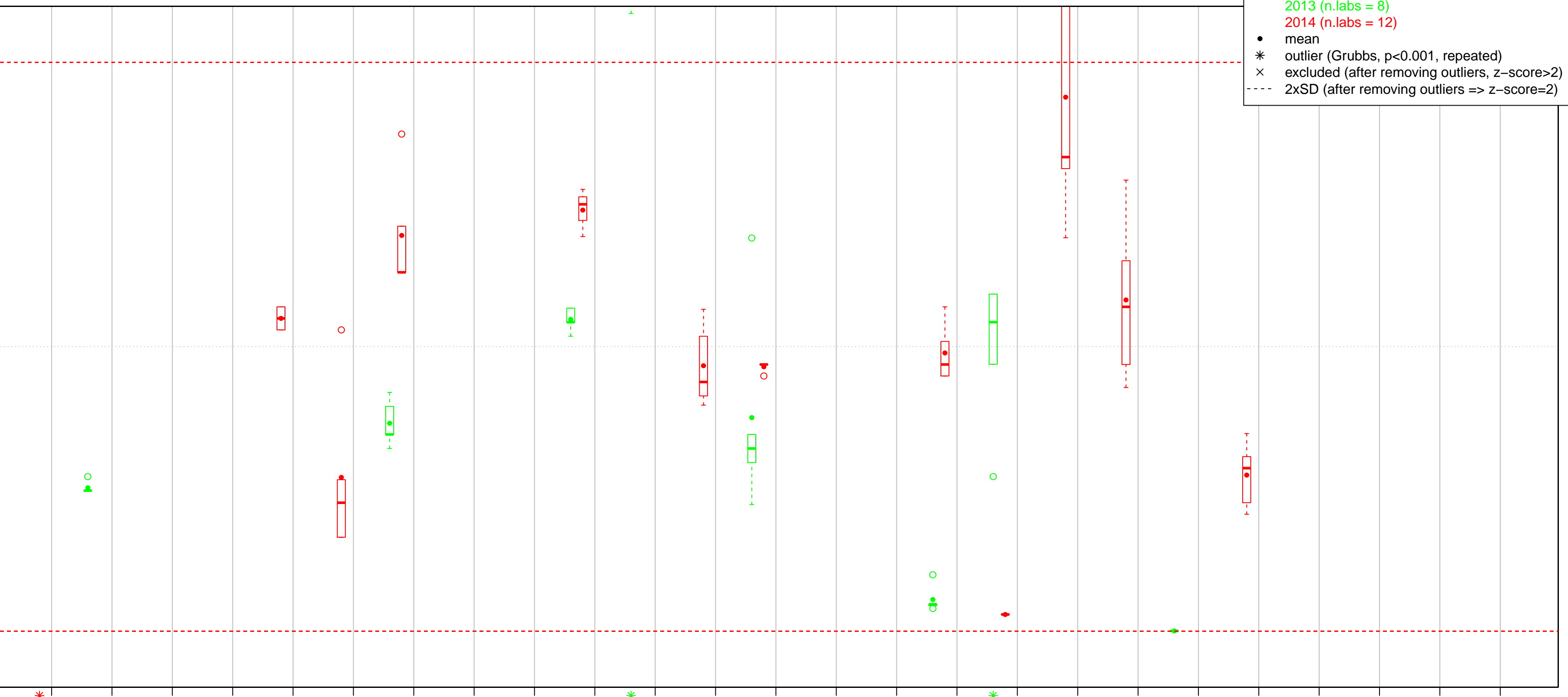
normalized concentrations (with mean of means per year after removing outliers)

2.0
1.5
1.0
0.5
0.0

- 2011 (n.labs = 0)
- 2012 (n.labs = 0)
- 2013 (n.labs = 8)
- 2014 (n.labs = 12)
- mean
- * outlier (Grubbs, p<0.001, repeated)
- × excluded (after removing outliers, z-score>2)
- - - 2xSD (after removing outliers => z-score=2)

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126

Lab ID



THC water 2

normalized concentrations (with mean of means per year after removing outliers)

