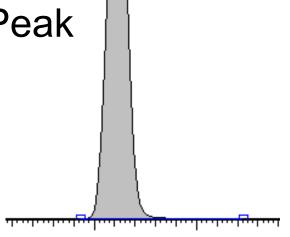


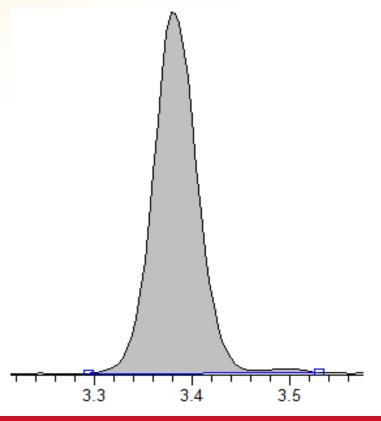
#### What does analytical data look like?

Integrated Chromatographic Peak



#### **Quantifiable Peak**

Compound of interest is within the quantitation range of the method

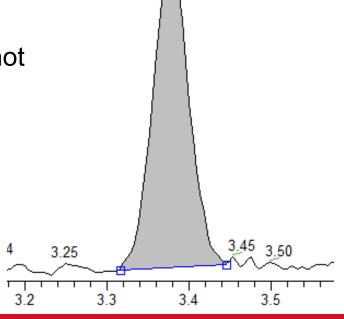




## Limit of Quantitation (LOQ)

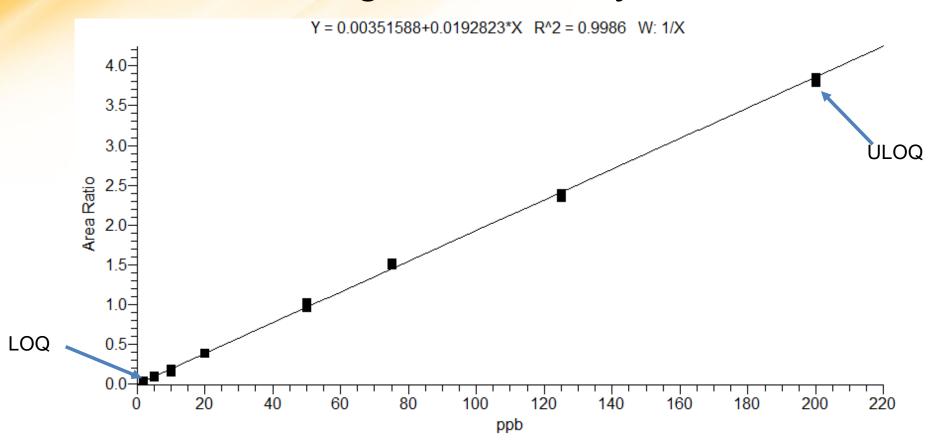
Limit of Quantitation (LOQ) – the lowest number where data is precise and accurate

Data is not reliable if it is not precise and accurate



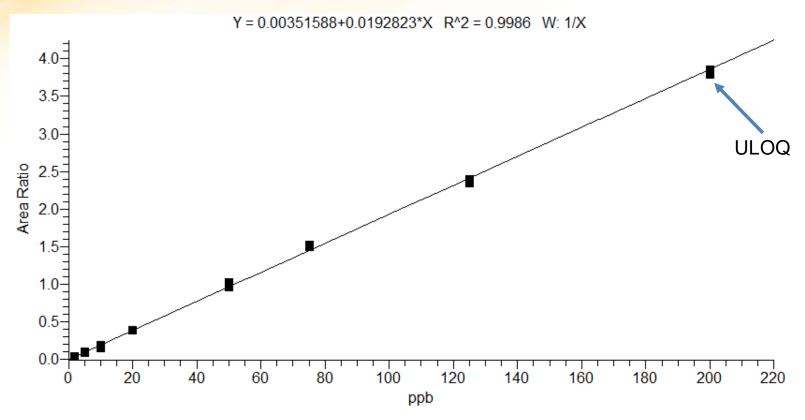


#### Linear Range of an Analytical Method



# **Upper Limit of Quantitation (ULOQ)**

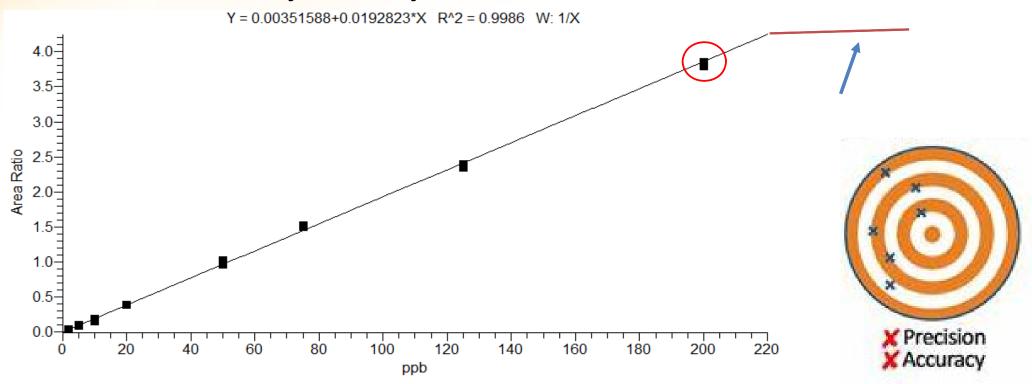
Upper limit where data is precise and accurate; limited by linearity





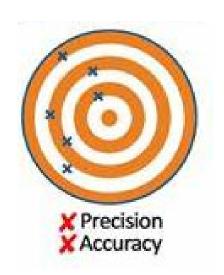
#### Above Upper Limit of Quantitation ( > ULOQ)

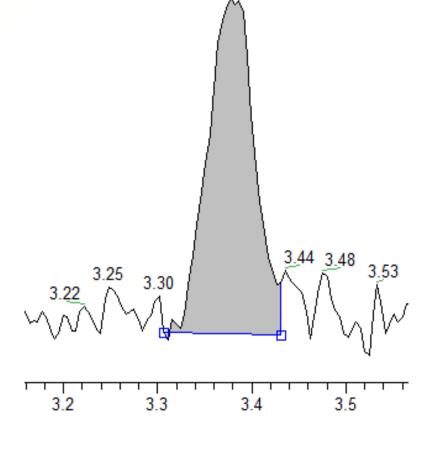
Compound of interest is above the limit where data is reliable and accurate; limited by linearity



#### < LOQ Result

Compound of interest is present in a sample but not quantifiable

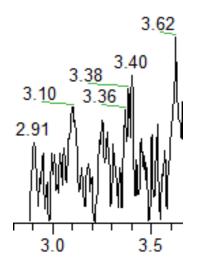




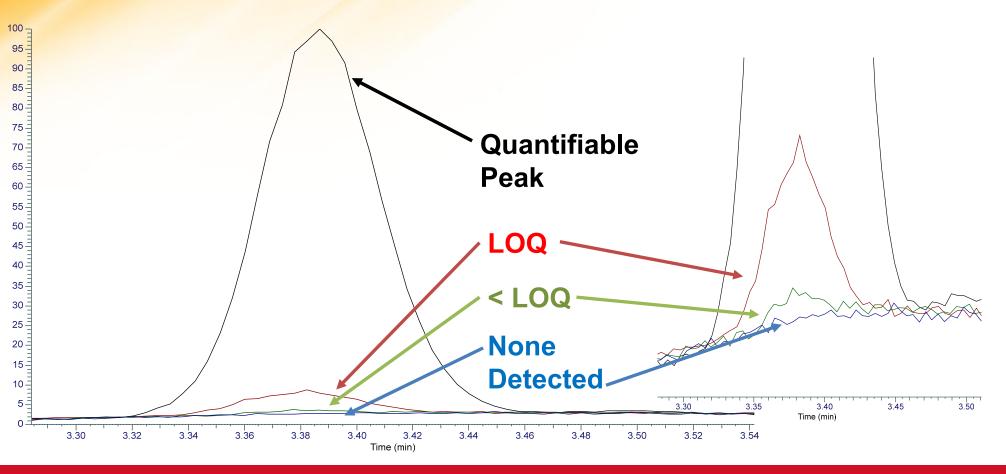
## None Detected (ND)

No compound of interest is identifiable in sample by a given analytical method

 This does not mean the sample is completely negative for a compound of interest



# Image Showing All Possible Results



## Reporting Options

- None Detected
- < LOQ compound of interest is present is the sample but below the method's ability to quantify it
- Quantifiable Number
- > ULOQ compound of interest is present in the sample but above the method's ability to quantify it