

Anti-Doping Analysis

Identify the drug cheats with the X500R QTOF System!

The new SCIEX X500R QTOF System and SCIEX OS are bringing the power of accurate mass technology to the routine environment; your latest sport doping tool to help you win the fight against doping and to catch the cheaters!

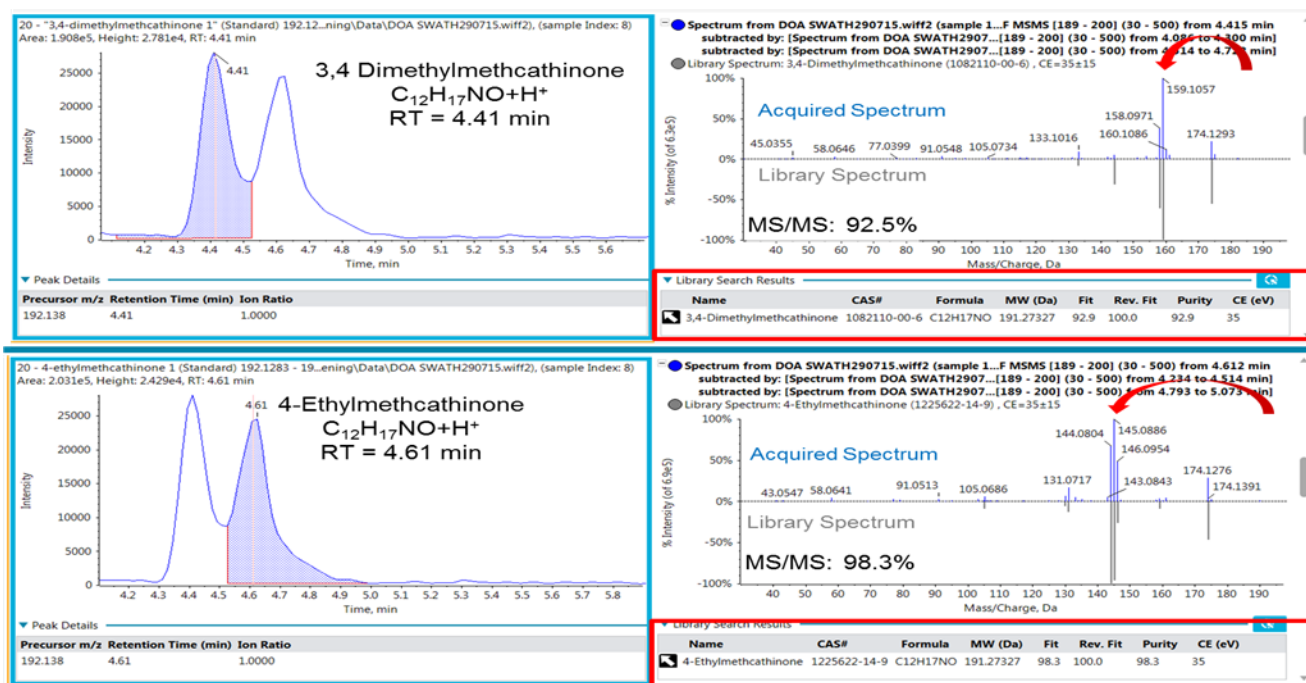
With this new technology there is nowhere for the cheaters to hide! A perfectly balanced system designed with optimal resolution and sensitivity.

All information from the sample is captured for easy retrospective analysis - Using the unique mode of MS/MSALL with SWATH® Acquisition both MS and MS/MS data is captured on everything in the sample

No more need to store samples; reanalyze the data not the sample

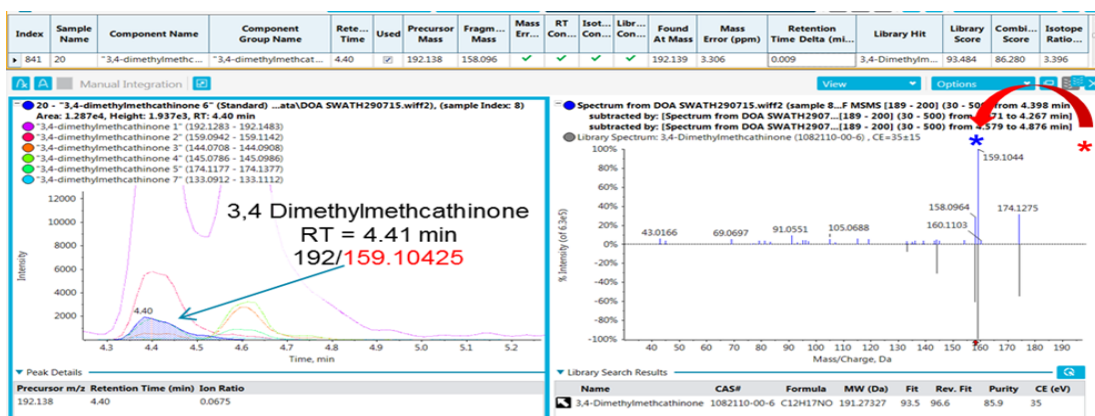


Figure 1



Using our unique SWATH® Acquisition Workflow you can confidently identify the isomers of your analyte based upon their unique fragment ions and ratios. Due to the high degree of accuracy in the identification of doping substances the X500R is the solution to your Anti-Doping testing.

Figure 2



The X500R SWATH® Workflow can confidently detect the presence of doping substances and their isomers at low concentration levels. The two images (figures 1 and 2) illustrate that even at a low concentration the spectrum information matches that of our >1700 compound High Resolution Library.

Figure 3

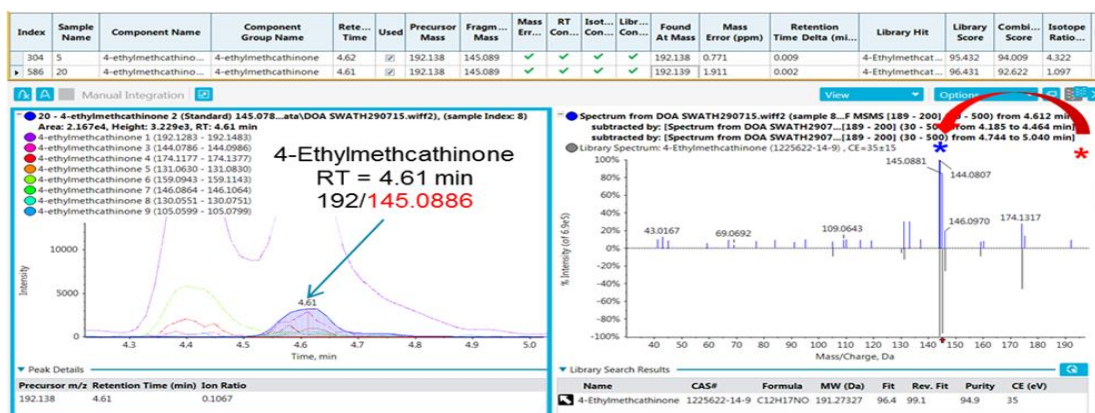
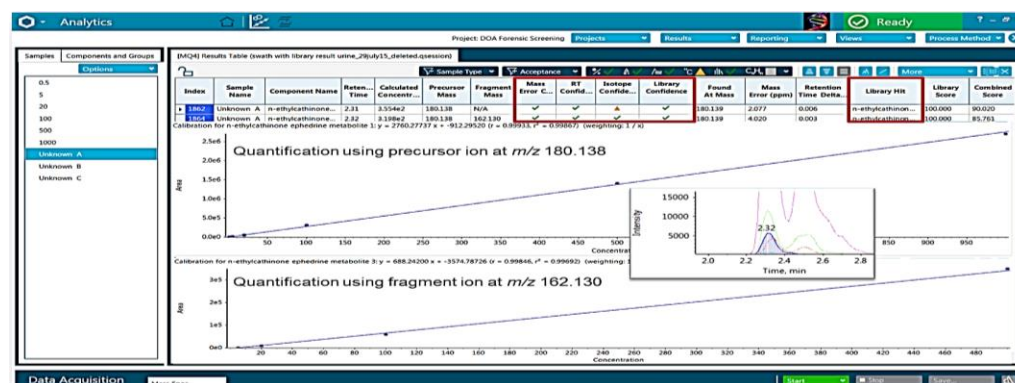


Figure 4



Using the X500R with SWATH® acquisition and SCIEX OS the following is achieved:-

- 1) Identification based on unique fragment ions and their ratios as well as MS/MS library searching
- 2) Quantitation on both precursor ion and fragment ions

[Learn more at sciex.com/X500R](https://www.sciex.com/X500R)