## Identifying the right technique for your needs

Deciding what technique is best to suit your needs can be very difficult. In forensics, the technique required depends on the type of sample you are working with, and whether the drug you are looking for is known or not.

For a quick overview – please follow the flowchart to determine what application note will best suit your needs. For full details of our application notes, please refer to the compendium below.

Yes

Is it...

for driving

under the

influence

of drugs (DUID) testing? for drug

screening?

post

mortem

blood?

Streamlining

screening for

Is it a biological sample? No Is it a blood Is it a powdered sample? sample? Yes No Is it a urine sample? determination of Yes No Is it a hair sample? Yes Detection of fentanyl analogs and drug metabolites in hair samples using a comprehensive extraction

Single injection targeted screening workflow for duid testing

Advancing forensic duid screening with mass spectrometry

аріd screening of 65 common drugs and metabolites in urine and blood using high-resolution mass

human whole blood using the QTRAP® 4500

Rapid identification and quantification of novel psychoactive substances in human whole blood using SWATH® Acquisition

spectrometry

Pioneering tool to characterize emerging fentanyl analogues

Rapid screening of 65 common drugs and metabolites in urine and blood using high-resolution mass spectrometry

High sensitivity and dynamic range for 93-compound

Quantification of major metabolites of K2 in human urine

Using MS/MS<sup>ALL</sup> with SWATH Acquisition for forensic designer drug analysis with SCIEX X500R QTOF System and SCIEX OS Software

Analysis of kratom's main psychoactive components: mitragynine and 7-hydroxymitragynine

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