



# BIOANALYTICAL SERVICES

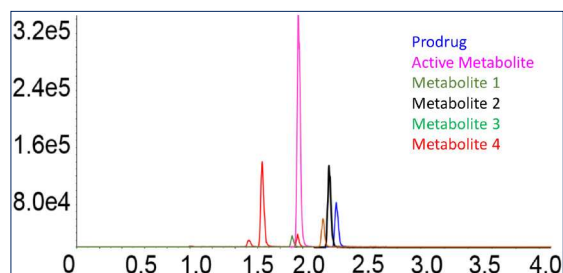


## SMALL MOLECULE BIOANALYSIS

Our bioanalytical team at Alliance Pharma has extensive experience developing and validating robust LC-MS/MS methods for a wide variety of small molecule compounds in diverse biological matrices.

We have helped many clients resolve their most challenging bioanalytical problems in preclinical and clinical programs. We specialize in:

- **Regulated (GCP & GLP) and R&D support**
- **Method development, transfer and optimization**
- **Method validation**
- **Sample analysis**
  - All phases (Phase I, II, III, IV) of regulated clinical studies
  - Regulated preclinical TK/PK/PD/DM studies
  - High-throughput sample analysis for discovery PK/PD studies
  - Tissue sample analysis
  - *In vitro* screening studies



**Example:** Simultaneous Quantification of Parent Compound and Five Metabolites in Human Plasma and Urine

## Technology Platforms

- Liquid Chromatography
  - Shimadzu HPLC/UHPLC systems with UV, photodiode array (PDA), and fluorescence detection (FLD)
  - Agilent 1290 Infinity II UHPLC with PDA and FLD
  - Dionex UltiMate 3000 RSLCnano with UV
  - Chiral HPLC analysis, Hydrophilic interaction liquid chromatography (HILIC), Ion-exchange chromatography (IEX)
- Mass spectrometers
  - SCIEX API 4000™, 5500, 6500, and 4000 QTrap
  - Thermo Scientific™ Q Exactive™ Plus and Orbitrap™ (XL)
  - Agilent 6545XT AdvancedBio LC/Q-TOF
  - Agilent 8900 Triple Quadrupole ICP-MS
  - High-throughput sample processing with Hamilton MicroLab Star liquid handlers
  - Thermo Fisher™ Watson LIMS™
  - Certara Phoenix® WinNonlin®

