Atmospheric Pressure Ionization-Liquid Chromatography/Mass Spectrometry

Agilent Chemical Analysis Training Courses

Course Outline
• Theory of Ionization
• API-MS Hardware
• Sample and Solution Considerations
• Interpretation of API-MS Mass Spectra
• Generating Structural Information
• Inlet Considerations
• Troubleshooting
• Methods Development

Prerequisites
• Undergraduate chemistry
• Experience with mass spectrometry, including mass spectrometer operation and EI data interpretation
• Basic understanding of liquid chromatography

Student Profile
• A beginning-to-intermediate LC/MS operator or supervisor
• An operator or supervisor in GC/MS who plans to make use of LC/MS
• A person experienced in LC separations who plans to use MS detection
• A person who develops methods for LC/MS or interprets API-MS results

Description
Shows how atmospheric pressure ionization-liquid chromatograph/mass spectrometer (API-LC/MS) analyses can solve real-world problems in the biochemistry, pharmaceutical, clinical and environmental industries.

This course features exercises in API-LC/MS methods development and spectral interpretation.