



Atmospheric Pressure Ionization-Liquid Chromatography/Mass Spectrometry

Agilent Chemical Analysis Training Courses

H4057A

One Day
Lecture Only

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.

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

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