

ESI-QTOF LC-MS Training 9:00am - 4:00pm

Day 1	Morning	<ul style="list-style-type: none">• Introduction• Mass Spectrometry Fundamentals• Ionization Fundamentals<ul style="list-style-type: none">○ Electrospray (ESI)○ Atmospheric Pressure Chemical Ionization (APCI)• Bruker Source Interfaces<ul style="list-style-type: none">○ Source Tuning• QTOF Fundamentals<ul style="list-style-type: none">○ Instrument Components
	Afternoon	<ul style="list-style-type: none">• OTOF Control Software (MS only)• OTOF Operation - Calibration and Tuning Basics• HANDS-ON EXERCISE: OTOF Control - MS only• Day 1 Review
Day 2	Morning	<ul style="list-style-type: none">• Review/Preview• MS/MS Introduction and Theory• OTOF Control Software (MS/MS)• HANDS-ON EXERCISE: OTOF Control - MS, MS/MS• Introduction to HyStar LC-MS
	Afternoon	<ul style="list-style-type: none">• HANDS-ON EXERCISE: LC-MS, MS/MS• Data Analysis Overview/Basics<ul style="list-style-type: none">○ Edit Chromatograms○ Process Results• HANDS-ON EXERCISE: DataAnalysis• Day 2 Review
Day 3	Morning	<ul style="list-style-type: none">• Review/Preview• Data Analysis<ul style="list-style-type: none">○ Recalibration○ Peak Picking Algorithms○ SmartFormula, SmartFormula 3D
	Afternoon	<ul style="list-style-type: none">• Data Analysis (cont.)<ul style="list-style-type: none">○ Deconvolution○ Library Editor○ Report Designer Basics○ Scripting• HANDS-ON EXERCISE: DataAnalysis• Instrument Performance Check and Maintenance• Day 3 Review