

## amaZon Series LC-MS Training 9:00am - 4:00pm

- |       |           |   |
|-------|-----------|---|
| Day 1 | Morning   | <ul style="list-style-type: none"><li>• Introduction</li><li>• Mass Spectrometry Fundamentals</li><li>• Ionization Fundamentals<ul style="list-style-type: none"><li>○ Electrospray (ESI)</li><li>○ Atmospheric Pressure Chemical Ionization (APCI)</li></ul></li><li>• Bruker Source Interfaces<ul style="list-style-type: none"><li>○ Source Tuning</li></ul></li><li>• Ion Trap Fundamentals</li><li>• Instrument Components</li></ul> |
|       | Afternoon | <ul style="list-style-type: none"><li>• Trap Control Software (MS only)</li><li>• Trap Operation - Calibration and Tuning Basics</li><li>• <b>HANDS-ON EXERCISE: Trap Control - MS only</b></li><li>• Day 1 Review</li></ul>  |

- |       |           |   |
|-------|-----------|---|
| Day 2 | Morning   | <ul style="list-style-type: none"><li>• Review/Preview</li><li>• MS/MS Introduction and Theory</li><li>• Trap Control Software (MS<sup>n</sup>)</li><li>• <b>HANDS-ON EXERCISE: Trap Control - MS, MS<sup>n</sup></b></li><li>• Introduction to HyStar LC-MS</li></ul>  |
|       | Afternoon | <ul style="list-style-type: none"><li>• <b>HANDS-ON EXERCISE: LC-MS, MS<sup>n</sup></b></li><li>• Data Analysis Overview/Basics<ul style="list-style-type: none"><li>○ Edit Chromatograms</li><li>○ Process Results</li></ul></li><li>• <b>HANDS-ON EXERCISE: DataAnalysis</b></li><li>• Day 2 Review</li></ul> |

- |       |           |   |
|-------|-----------|---|
| Day 3 | Morning   | <ul style="list-style-type: none"><li>• Review/Preview</li><li>• Data Analysis<ul style="list-style-type: none"><li>○ Peak Picking Algorithms</li><li>○ Deconvolution</li></ul></li></ul>   |
|       | Afternoon | <ul style="list-style-type: none"><li>• Data Analysis (cont.)<ul style="list-style-type: none"><li>○ Library Editor</li><li>○ Report Designer Basics</li><li>○ Scripting</li></ul></li><li>• <b>HANDS-ON EXERCISE: DataAnalysis</b></li><li>• Instrument Performance Check and Maintenance</li><li>• Day 3 Review</li></ul> |