



## **API 3200™, API 4000™ & API 5000™ LC/MS/MS** **System Training Class Agenda**

**Day 1: 9:30 a.m. – 5:00 p.m.\***

- Welcome
- Lecture: Triple Quadrupole Theory – Sample Introduction, Ion Production, Ion Transfer, Quadrupole Theory
- Lecture: MS and MS/MS Scan Modes, Ion Detection
- Lab: Analyst® Software Overview – Configure, Tune, Acquire, Explore, Quantitate, and Project Structure
- Lab: Automated PPG Tuning and Mass Calibration

**Day 2: 9:30 a.m. – 5:00 p.m.\***

- Lab (interactive): Analyst® Software Tune Mode: Compound Optimization – Manual vs. Automated Optimization
- Lab (interactive): Analyst® Software Tune Mode: Source Optimization – Manual vs. Automated Optimization
- Lab: Analyst® Software Acquire Mode: Writing LC/MS/MS Methods and Batch Submission
- Lecture (interactive): Analyst® Software Explore Mode: File Info, Smooth, S/N Ratio, Extracting of Data, Number of Data points
- Demonstration: Preventative Maintenance (PC, Cleaning the Interface, Ion Source)

**Day 3: 9:30 a.m. – 1:00 p.m.\***

- Lecture: Review
- Lecture (interactive): Analyst® Software Quantitate Mode: Creating of Integration Methods (IQAII and MQIII), Calibration Curve Setup, Peak Review, Statistics, Export of Data, Analyst® Software Reporter
- Certificates and Evaluations

*\*end time is approximate and may vary.*

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**The information in this document is subject to change.**