**Mass Spectrometers**

There are a number of mass spectrometers available in the building and throughout the College. The most recent purchase is in TBSI. It is a **Bruker micrOTOF-Q™ III ESI-TOF Mass Spectrometry System** (benchtop electrospray ionization quadrupole time-of-flight mass spectrometer) for exact mass and true isotopic measurements in both, MS and MS/MS mode. The micrOTOF-Q III is rated as having the best performance standard in its class.

Includes:

- Apollo II ion funnel ESI source
- High performance hyperbolic quadrupole
- Collision cell for CID
- Temperature compensated TOF analyzer
- Electronics
- Syringe pump
- Data system with digitizer and 22" LCD monitor
- Laser printer
- Compass Software version 1.3 for HPLC and MS control, data acquisition and processing
- Direct Probe Option for APCI II and APPi II source, for the direct analysis of solid samples and raw materials down to the sub-ng range of pure substance

A **Dionex Ultimate 3000 LC System** is also provided. The UltiMate 3000 Binary Analytical system provides fast cycle time, reliable mobile phase temperature conditioning, and high data rate detection to ensure optimal performance for the full range of binary analytical applications.