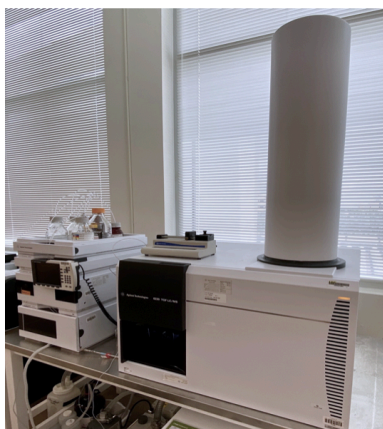


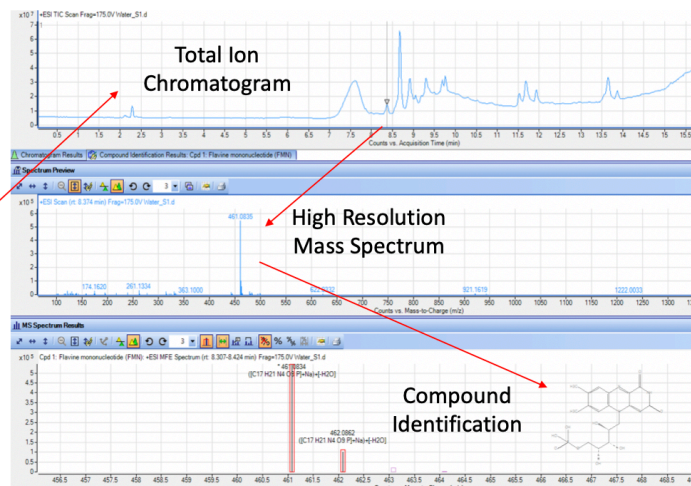
CPAS Instrumentation: Agilent Accurate-Mass ToF Spectrometer

System: Agilent 6230 Time-of-Flight Mass Spectrometer with Agilent 1200 Series HPLC

Obtaining high resolution mass data is required for formula determination of any newly synthesized or isolated chemical compound. Our Agilent accurate-mass time-of-flight (ToF) spectrometer provides such data using electrospray ionization (ESI) in both positive and/or negative modes. Additionally, sample purity is able to be assessed via chromatographic separation via high performance liquid chromatography (HPLC) prior to injection into the mass spectrometer. Once analyzed, compounds may be identified by comparisons to Metlin and Mycotoxin libraries of known compounds. These capabilities also allow the ToF to play a critical role in many metabolomics applications.



Agilent 6230 ToF MS with
Agilent 1200 HPLC



Modes and Features

- Direct infusion (DI) or liquid chromatography (LC) sample analysis
- Electrospray ionization (ESI) in positive or negative mode
- Dual ESI with reference mass
- Column: analytical Phenomenex polar C18
- Capable of analyzing samples up to 20 kDa, with applications to higher masses with deconvolution
- MassHunter Workstation software

Selected Reference

- Agilent 6200 Series TOF and 6500 Series Q-TOF LC/MS System. Agilent Technologies. Revision A. **2014**. https://www.agilent.com/cs/library/usermanuals/public/G3335-90173_TOF_Q-TOF_Concepts.pdf

For more information on instrument specifications and availability please contact:

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