

## **Making accurate mass routine**

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When synthetic chemists generate new compounds, they need to quickly determine if the intended products were synthesized. An accurate mass measurement can provide molecular weight and elemental composition for confident identification. But obtaining accurate mass information has traditionally been difficult. The Agilent LC/MSD TOF time-of-flight mass spectrometer combines the power of accurate mass measurements with the ease of use of a single-quadrupole mass spectrometer to make accurate mass routine. An ADC acquisition system provides 3-4 decades of dynamic range, the dual-nebulizer ESI source enables real-time reference mass correction. In this talk a short overview of different applications in the field of compound identification of small molecules and protein ID without doing MS/MS is presented.