



Figure 15: High-resolution mode of the mass spectrometer. (a) Time of flight (TOF) in microseconds for a Nb₁₅ cluster as a function of the initial position in the ionization region. (b) Peak profile of Nb₁₅ as a function of time of flight. The time resolution of this peak (TOF/ δ TOF) is greater than 17 000, which corresponds to a mass resolution (Mass/ δ Mass) of 8500.