

Ion Dynamics in a Trapped Ion Mobility Spectrometer

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Supporting Information

Figure S1. Three dimensional representation of the ESI Tuning Mix calibration standard (Tunemix, G2421A) in this study.

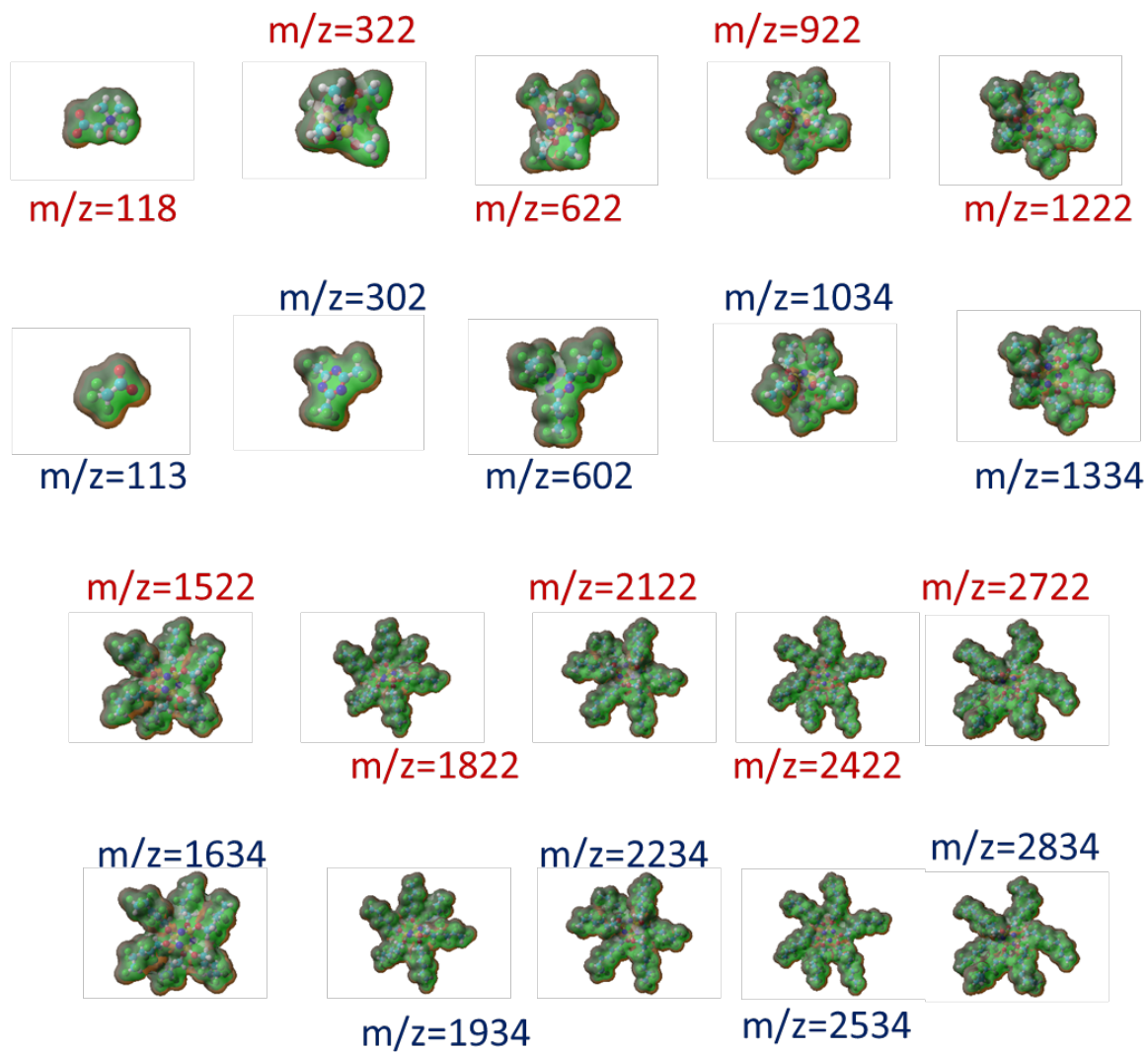


Figure S2. Ion trajectories for C_{60} with $z=1,2$ and 3 trapped at the same time with the bath gas at 80 and $300K$. Notice the difference in the ion cloud size.

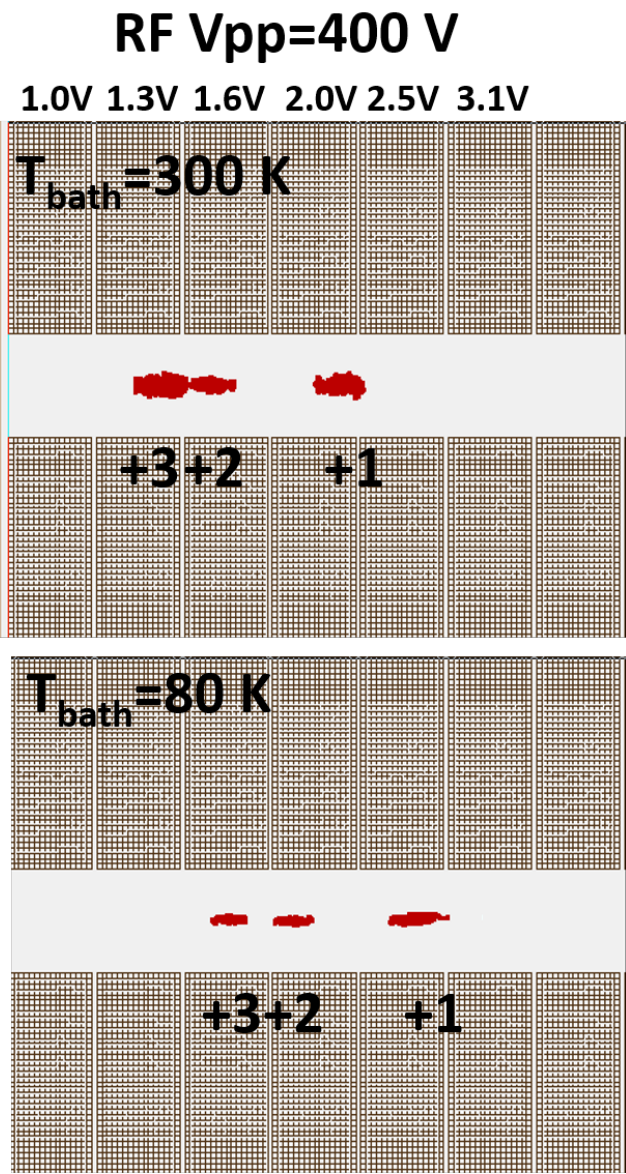


Figure S3. Mobility resolution as a function of the RF amplitude and bath gas velocity. Gas 1 and gas 2 corresponds to $P_1=2.6$ and 1.9 mbar, respectively ($P_2=1.0$ mbar).

