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ARTICLE TYPE

Evaluating Atmospheric pressure Solids Analysis Probe (ASAP) mass spectrometry for the analysis of low molecular weight synthetic polymers: Supplementary Information.

Michael J. P. Smith*[a], Neil R. Cameron[a] and Jackie A. Mosely[a]

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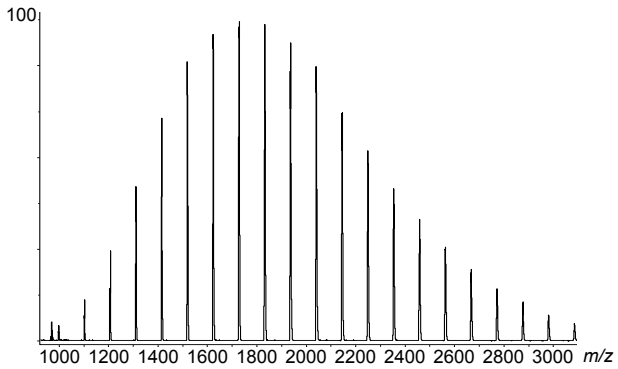
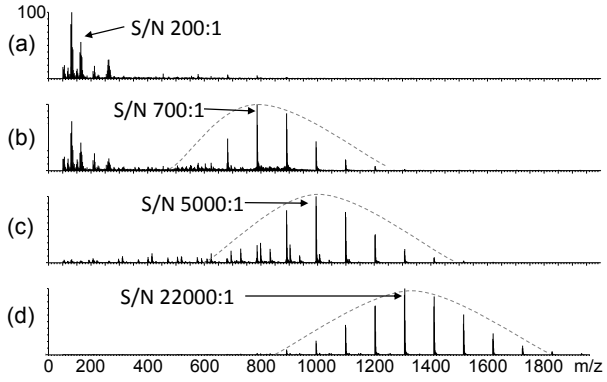
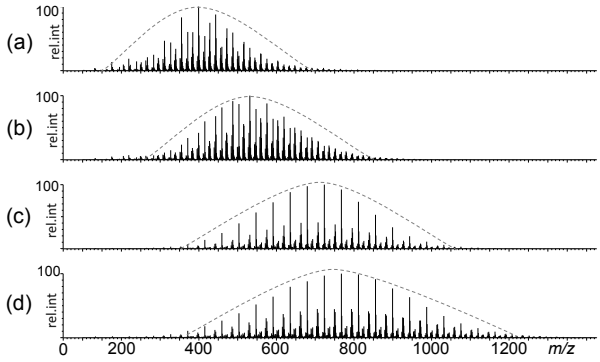


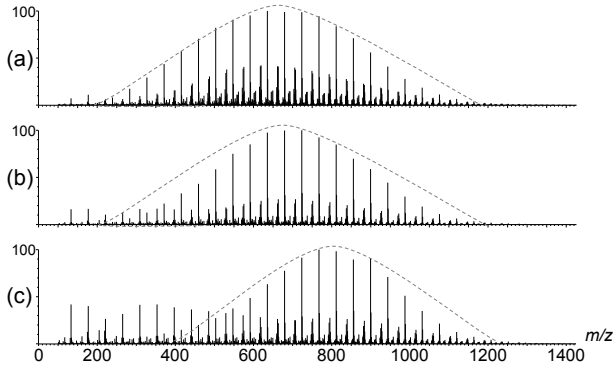
Supplementary Information 1. MALDI MS of Poly(styrene) M_n 1770. Sample was prepared such that PS:Dithranol:AgTFA mixed 1:9:1. All solutions were 10 mg/ml in THF. Analyses were performed on the Autoflex II ToF/ToF MS with a 337 nm nitrogen laser (Bruker Daltonics Ltd., Coventry, UK).



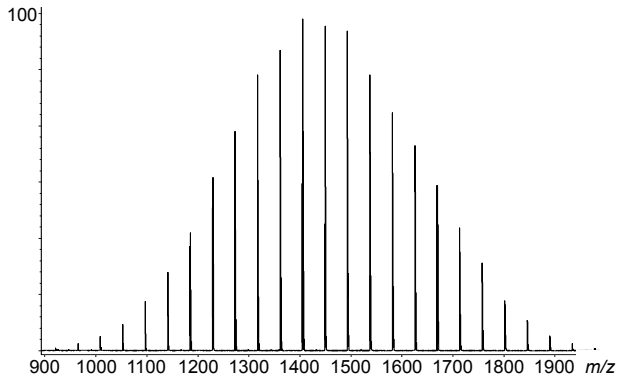
Supplementary Information 2. The effect of desolvation gas temperature upon ASAP of Poly(styrene) dissolved in acetone at 10 mg/ml at (a) 300 °C, (b) 400 °C, 500 °C and (d) 600 °C.



Supplementary Information 3. The effect of desolvation gas temperature upon ASAP of Poly(ethylene glycol) at (a) 300 °C, (b) 400 °C, (c) 500 °C and (d) 600 °C.



Supplementary Information 4. The effect of sample cone voltage upon ASAP of Poly(ethylene glycol) at (a) 10eV, (b) 20eV and (c) 30eV.



Supplementary Information 5. MALDI MS of Poly(ethylene glycol) M_n 1430. Sample was prepared such that PEG:DHB:NaI mixed 1:9:1. All solutions were 10 mg/ml in THF. Analyses were performed on the Autoflex II ToF/ToF MS with a 337 nm nitrogen laser (Bruker Daltonics Ltd., Coventry, UK).