Supplementary Information for

Development and Applications of Paper-Spray Ionization-Mass Spectrometry for Continuous Sub-Microlitre Droplets Analysis

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Fig. S1. Average volume of the droplets (*V*) versus Δh for capillary tubes with different lengths (*L*); voltage=4.5 kV, *D*=350 µm. No remarkable effect on the droplet volume was observed in the given range.



Fig. S2. Average volume of the droplets (V) using pure water and methanol/water solution with different proportioning as the solvent; voltage=4.5 kV, D=350 µm, L=330 mm, and Δh =170 mm.



Fig. S3. Analysis of droplets of Rhodamine 6G solution at the concentration of 30 ppb and a S/N ratio of 3 was achieved.



Fig. S4. (a) MS spectra of 0.02 M benzaldehyde in methanol/water (7:3, v/v). (b) Extracted ion chromatogram of ion at m/z 121 with the present platform.



Fig. S5. Mass spectrum of watermelon juice generated with conventional ESI-MS.