

Pulsed probe electrospray and nano-electrospray: the temporal profiles of ion formation from the Taylor cone

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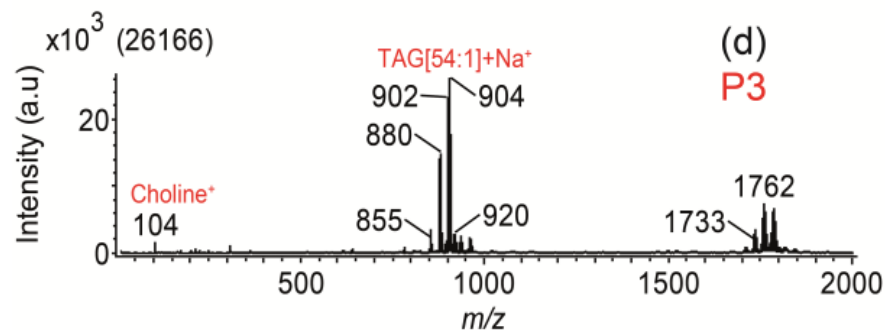
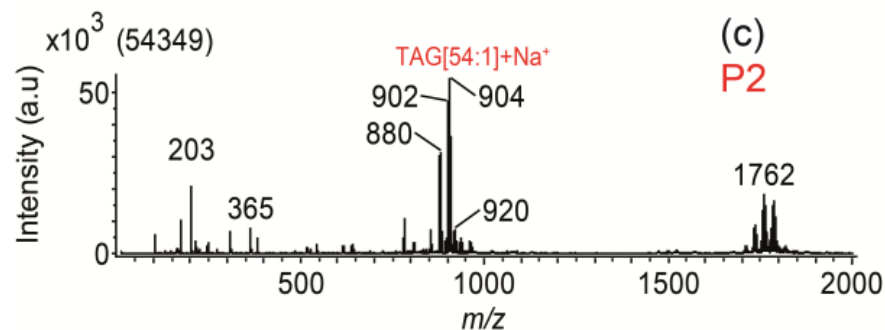
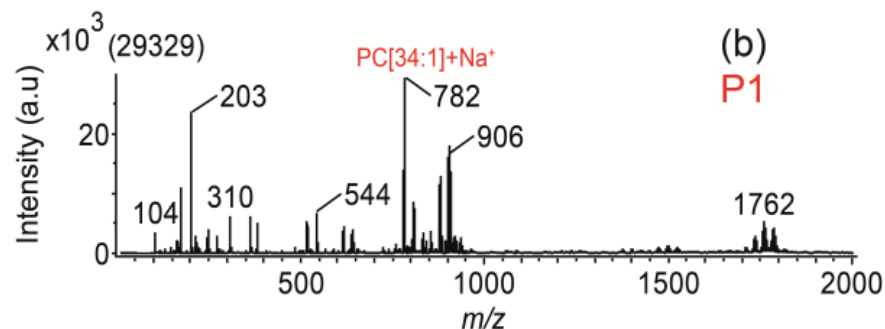
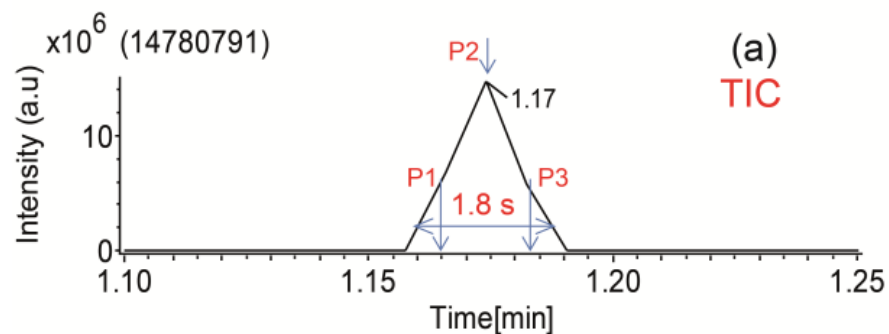


Figure S1. (a) TIC of single shot dPESI for mayonnaise. (b) Mass spectrum measured at P1. (c) Mass spectrum measured at P2. (d) Mass spectrum measured at P3. HV duration time: 5 s. Solvent: H₂O.

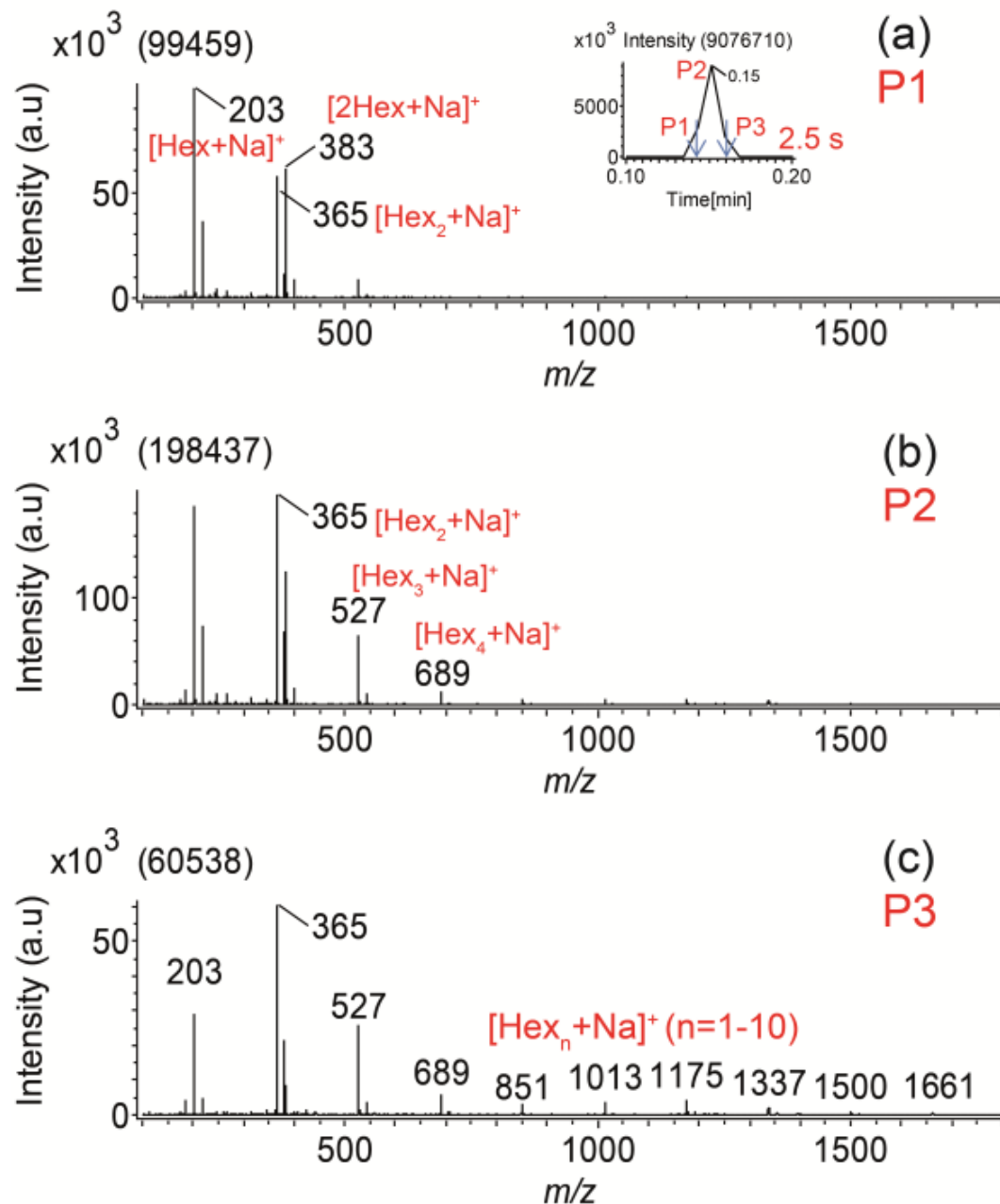


Figure S2. Inset: TIC of single shot dPESI for tomato ketchup. (a) Mass spectrum measured at P1. (b) Mass spectrum measured at P2. (c) Mass spectrum measured at P3. HV duration time: 5 s. Solvent: $\text{H}_2\text{O}/\text{MeOH}$ (1/1).

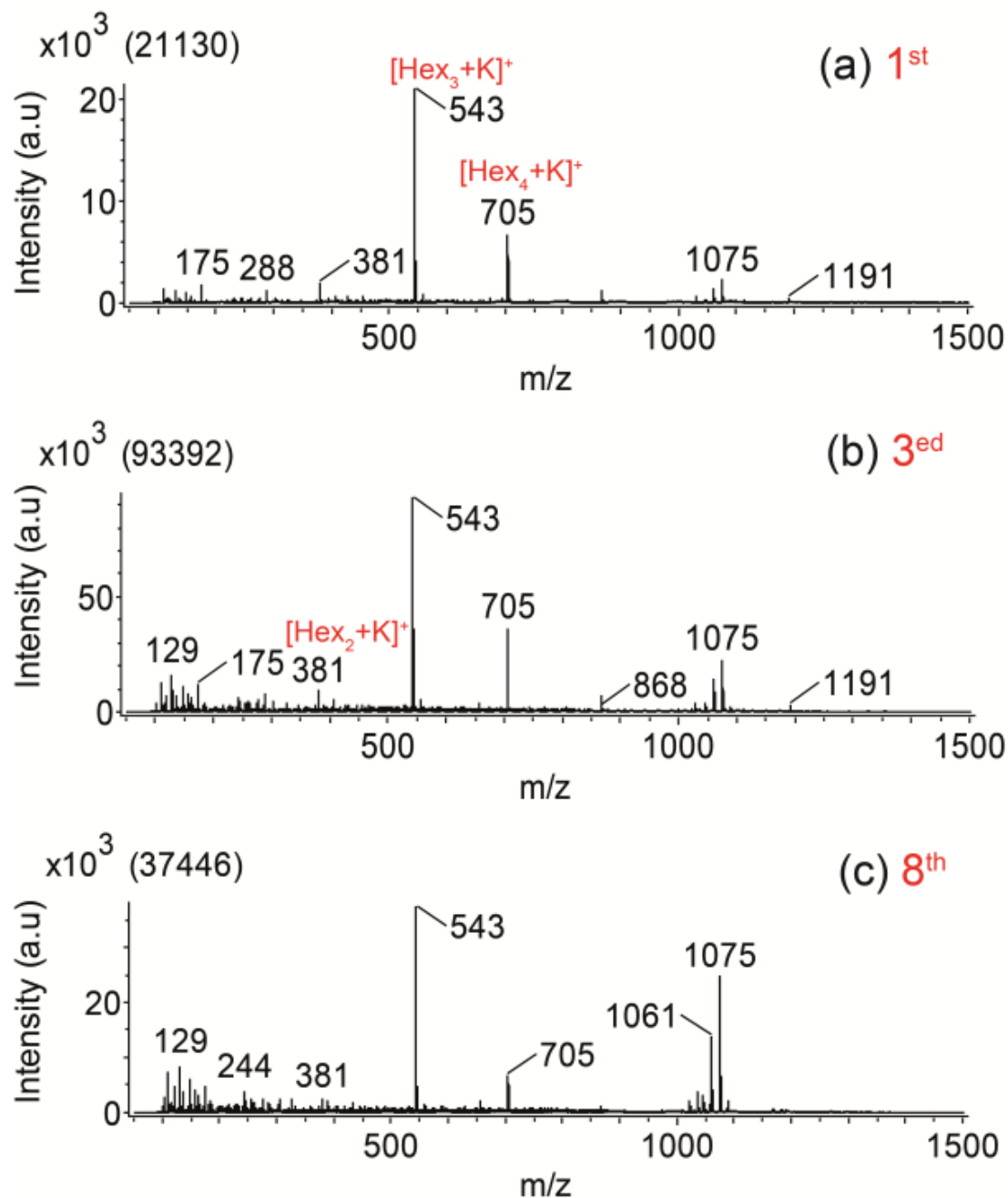


Figure S3. dPESI mass spectra of natto (fermented soybean) measured at (a) 1st shot, (b) 3rd shot, and (c) 8th shot. Solvent: $\text{H}_2\text{O}/\text{MeOH}$ (1/1). Frequency of needle operation: 0.1 Hz. HV duration time: 5 s.

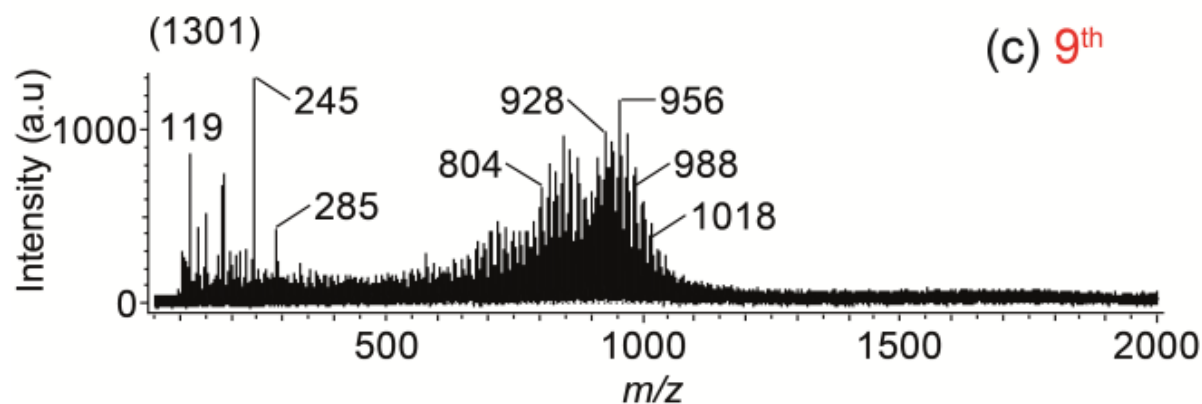
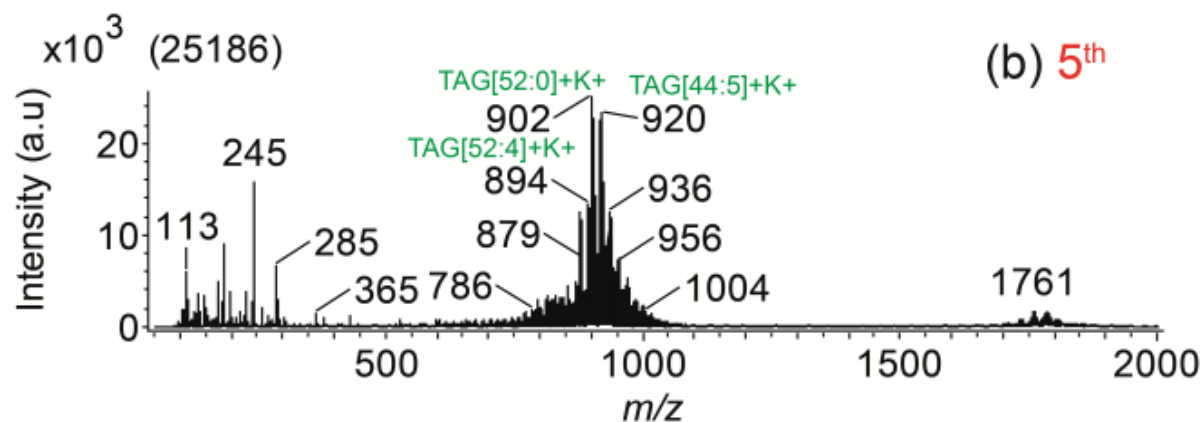
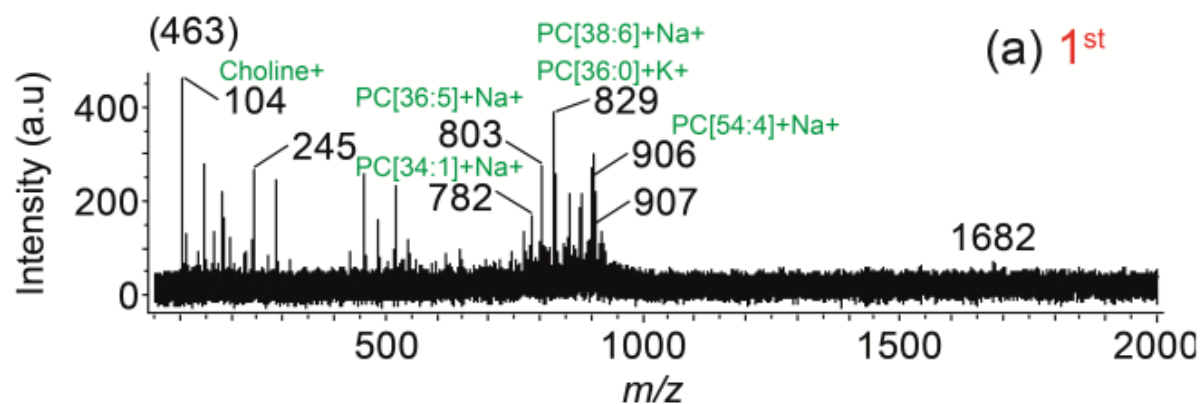


Figure S4. dPESI mass spectra of salmon egg measured at (a) 1st shot, (b) 5th shot, and (c) 9th shot. Solvent: H₂O/MeOH (1/1). Frequency of needle operation: 0.1 Hz. HV duration time: 5 s.