

Kinetic Study of The Maillard Reaction in Thin Film Generated by Microdroplets Deposition

Chiara Salvitti*, Giulia de Petris, Anna Troiani, Marta Managò, Andreina Ricci and Federico Pepi^{a*}

Supplementary Materials

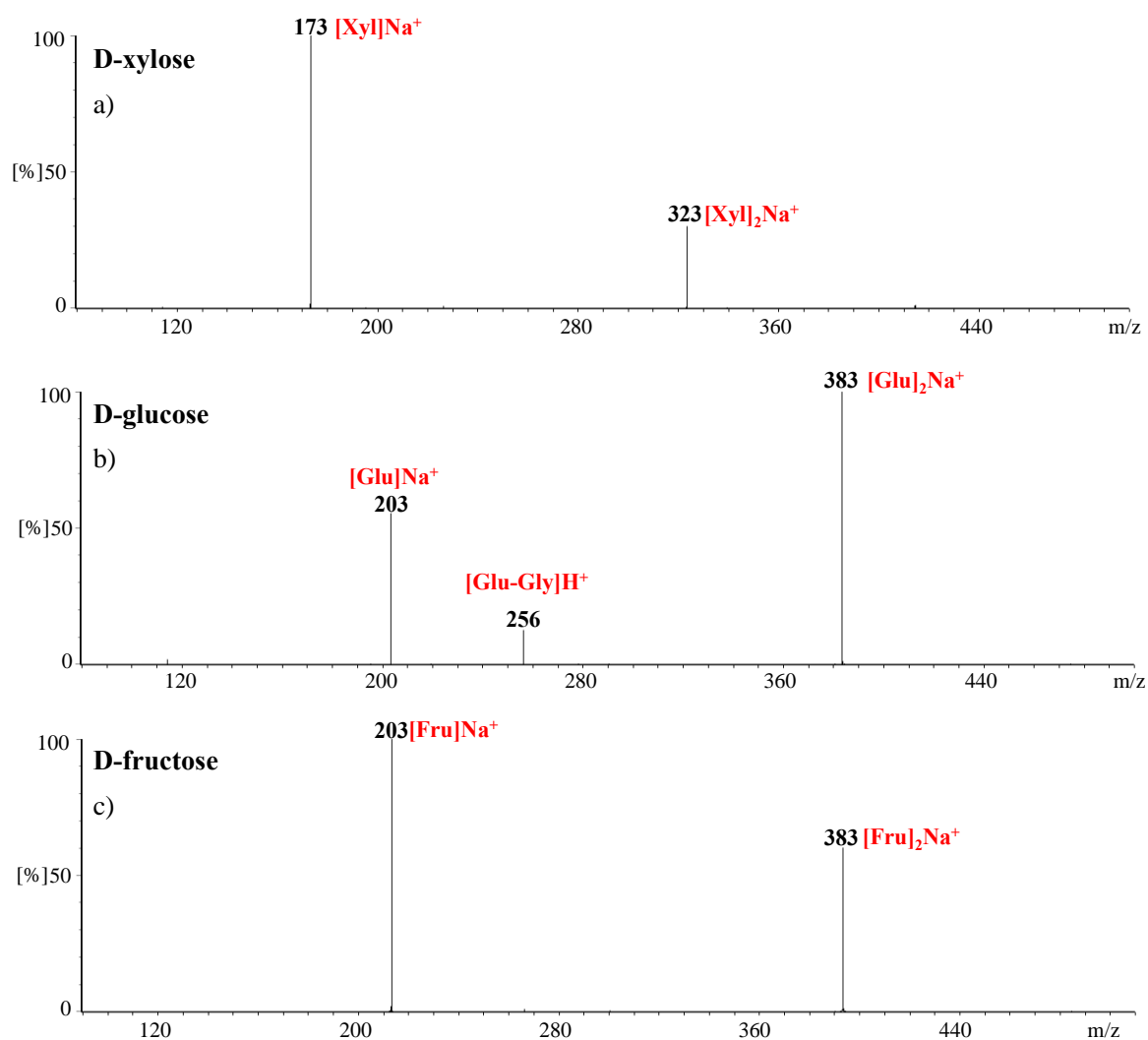


Figure S1: The ESI mass spectra of the starting solutions: a) 1 mL of 1:1 L-glycine/D-xylose 10^{-3} M $\text{H}_2\text{O}/\text{CH}_3\text{OH}$ 3:1 solution; b) 1 mL of 1:1 L-glycine/D-glucose 10^{-3} M $\text{H}_2\text{O}/\text{CH}_3\text{OH}$ 3:1 solution; c) 1 mL of 1:1 L-glycine/D-fructose 10^{-3} M $\text{H}_2\text{O}/\text{CH}_3\text{OH}$ 3:1 solution.

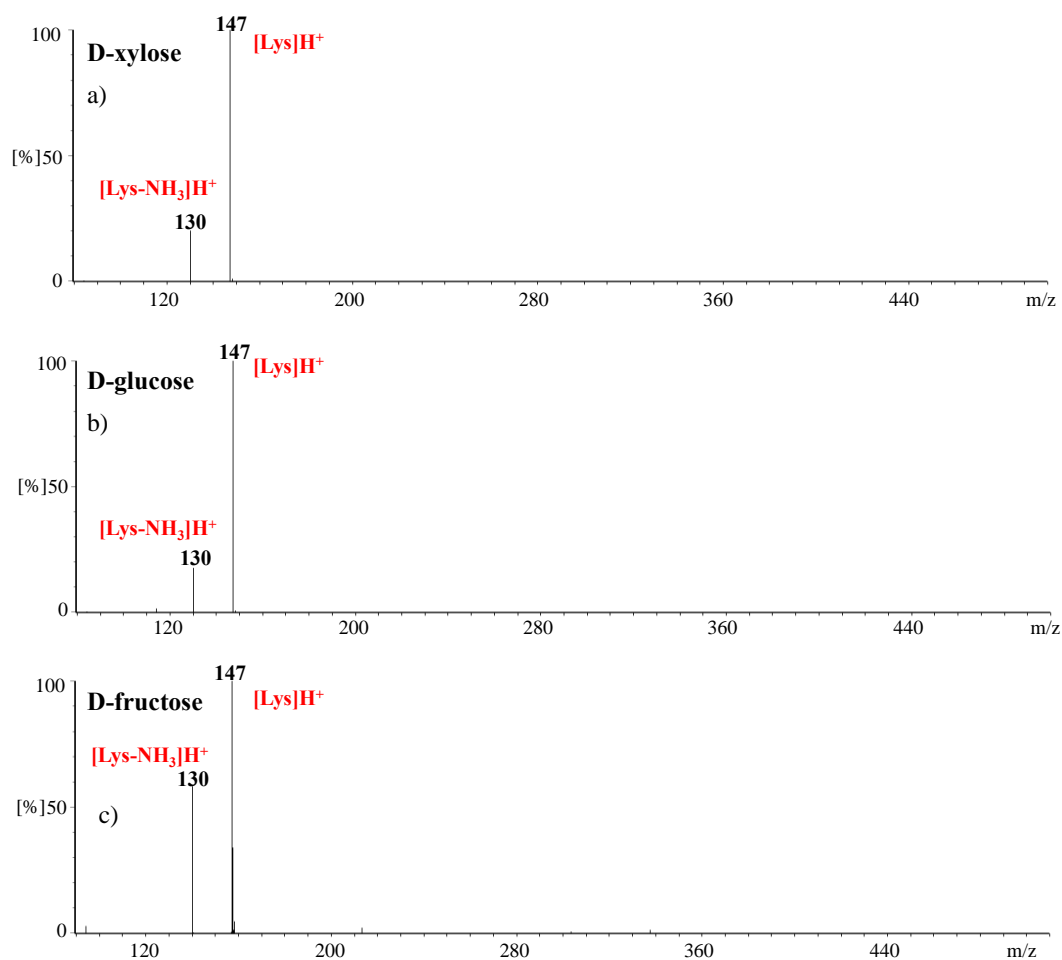


Figure S2. ESI mass spectra of the starting solutions: a) 1 mL of 1:1 L-lysine/D-xylose 10^{-3} M H₂O/CH₃OH 3:1 solution b) 1 mL of 1:1 L-lysine/D-glucose 10^{-3} M H₂O/CH₃OH 3:1 solution, c) 1 mL of 1:1 L-lysine/D-fructose 10^{-3} M H₂O/CH₃OH 3:1 solution.

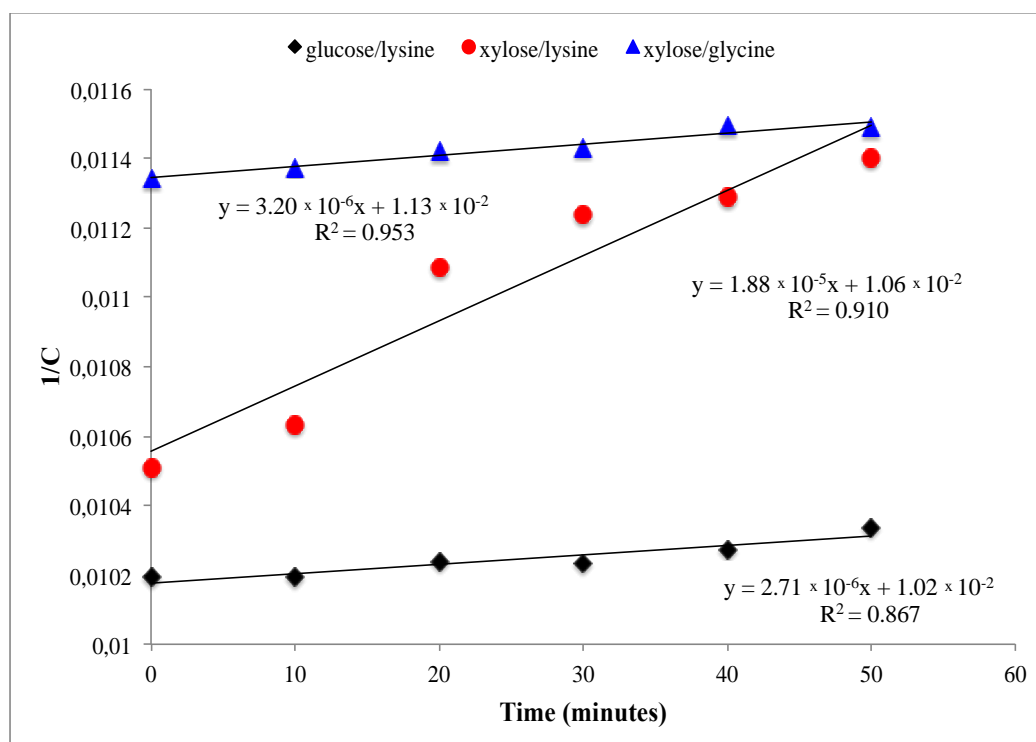


Figure S3. Kinetic plots of the reactions performed in bulk.