Optimization of an Ultrasound-Assisted Extraction Method for the Extraction of Gingerols and Shogaols from Ginger (*Zingiber officinale*)

Monserrat Gonzalez-Gonzalez [1,2], Beatriz Juliana Yerena-Prieto [2], Ceferino Carrera [1], Mercedes Vázquez-Espinosa [1], Ana Velasco González-de-Peredo [1], Miguel Ángel García-Alvarado [2], Miguel Palma [1], Guadalupe del Carmen Rodríguez-Jimenes [2,*] and Gerardo Fernández Barbero [1,*]

Supplementary Material

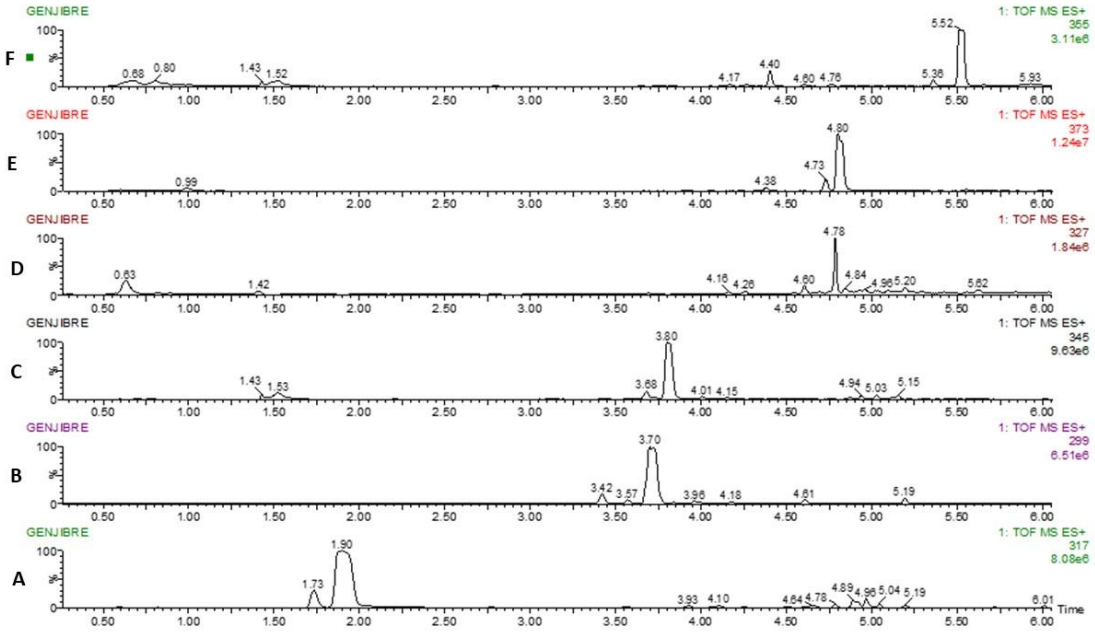


Figure S1. UHPLC-QToF-MS chromatograms of the six identified compounds. A: 6-gingerol; B: 6-shogaol; C: 8-gingerol; D: 8-shogaol; E: 10-gingerol; F: 10-shogaol.

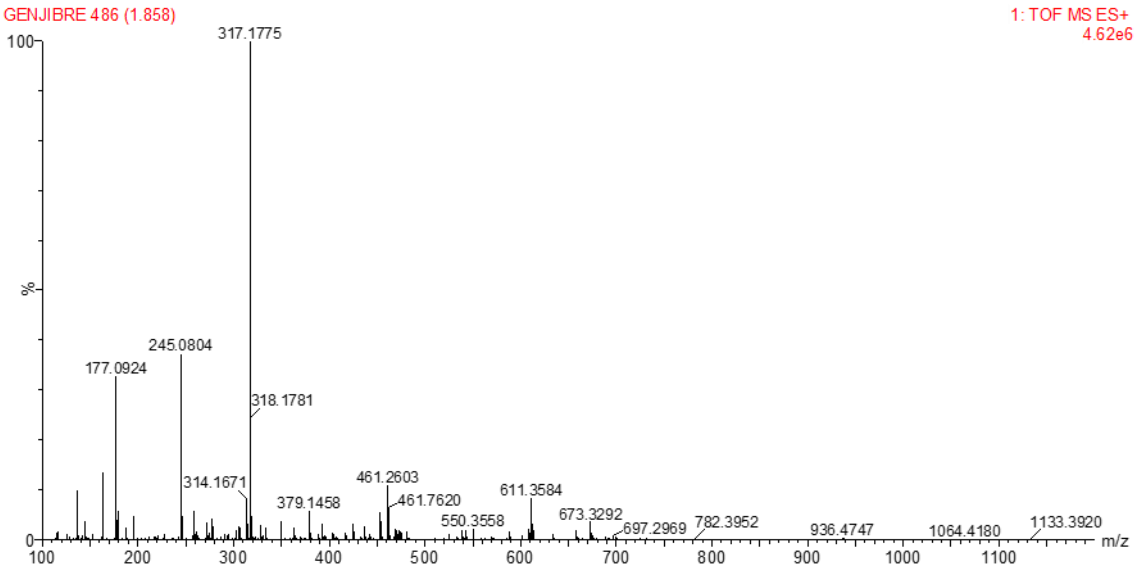


Figure S2. Mass spectrum obtained for 6-gingerol by UHPLC-Q-ToF-MS.

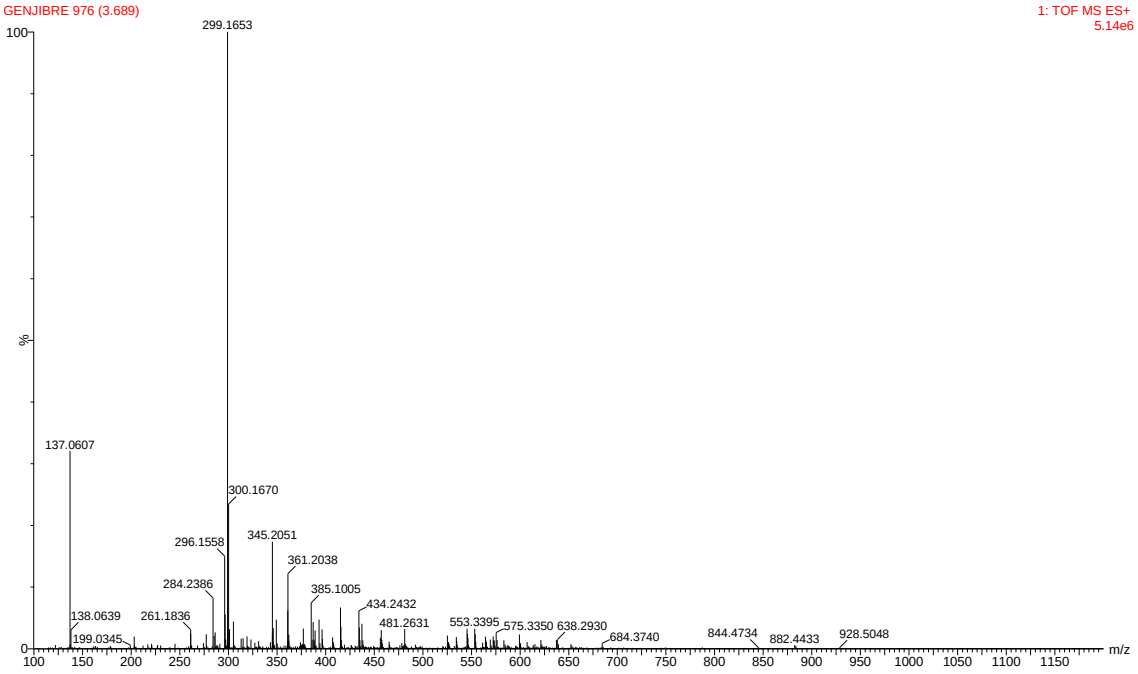


Figure S3. Mass spectrum obtained for 6-shogaol by UHPLC-Q-ToF-MS.

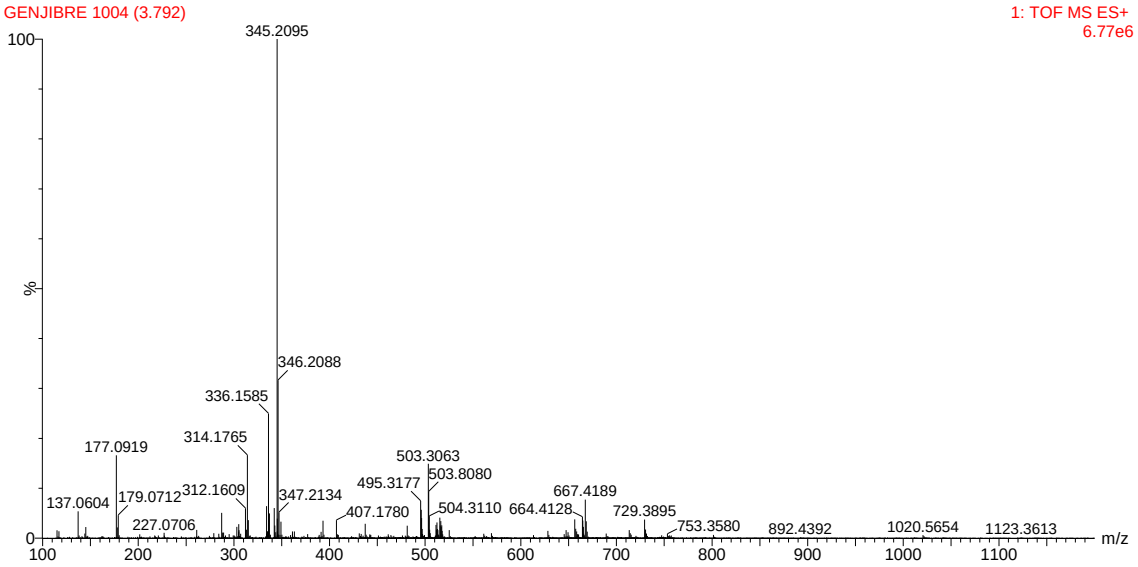


Figure S4. Mass spectrum obtained for 8-gingerol by UHPLC-Q-ToF-MS.

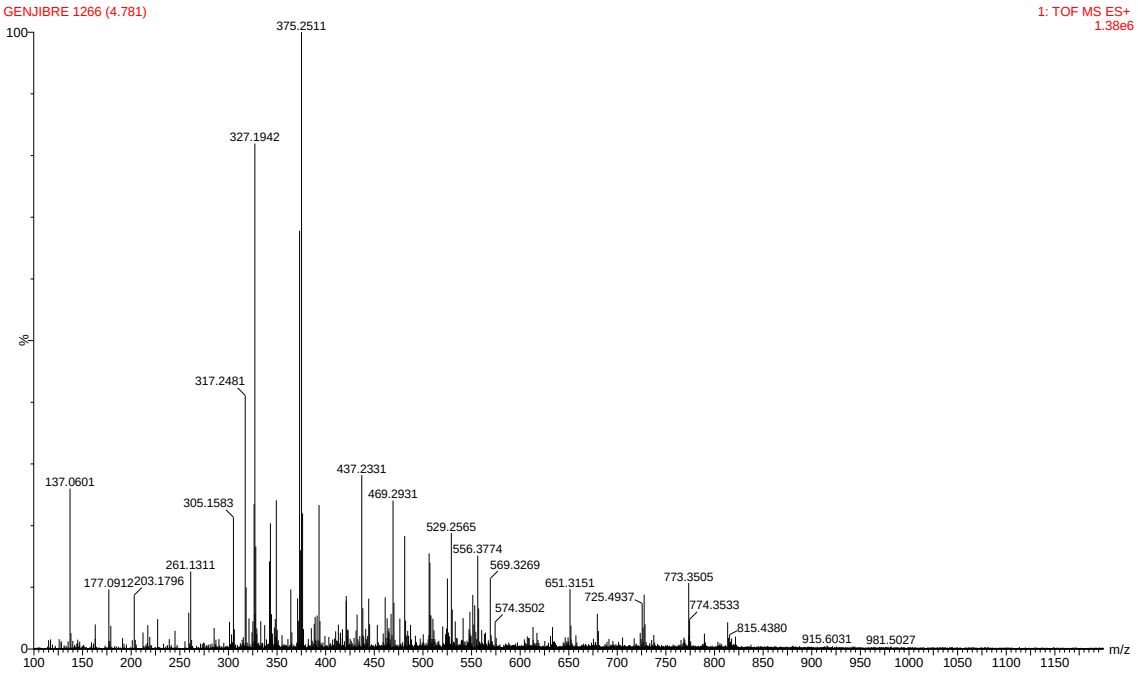


Figure S5. Mass spectrum obtained for 8-shogaol by UHPLC-Q-ToF-MS.

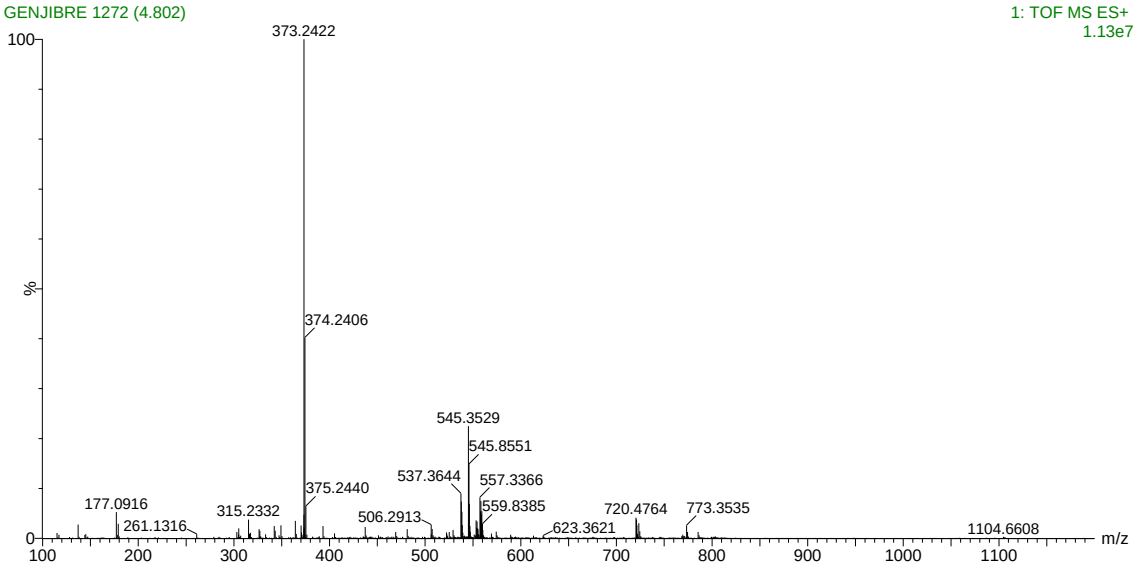


Figure S6. Mass spectrum obtained for 10-gingerol by UHPLC-Q-ToF-MS.

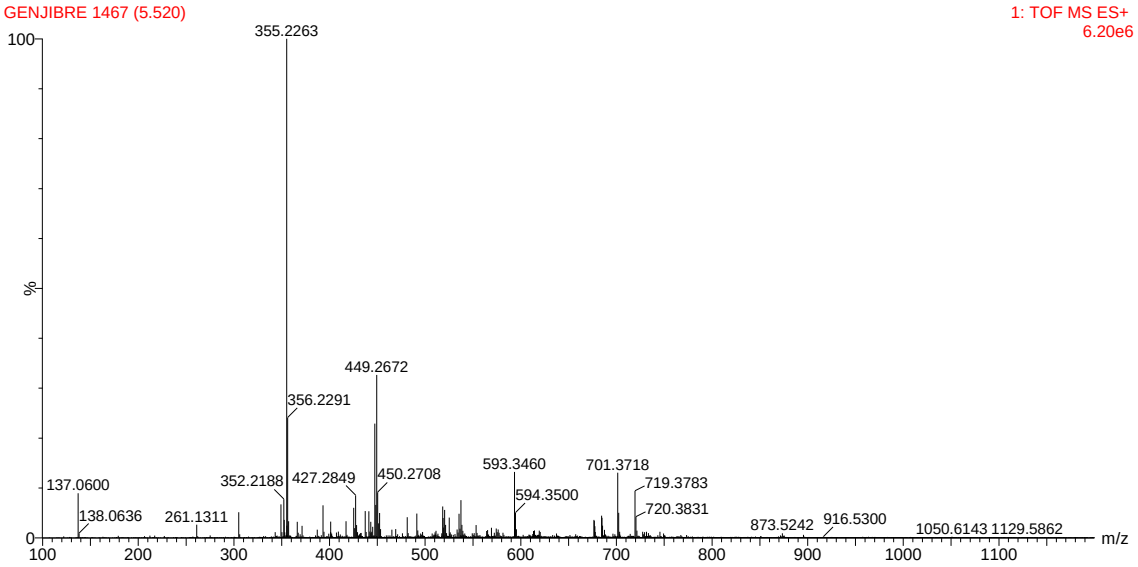


Figure S7. Mass spectrum obtained for 10-shogaol by UHPLC-Q-ToF-MS.