



Article

A Novel Ultrasound-Assisted Extraction Method for the Analysis of Anthocyanins in Potatoes (*Solanum tuberosum* L.)

Supplementary Material

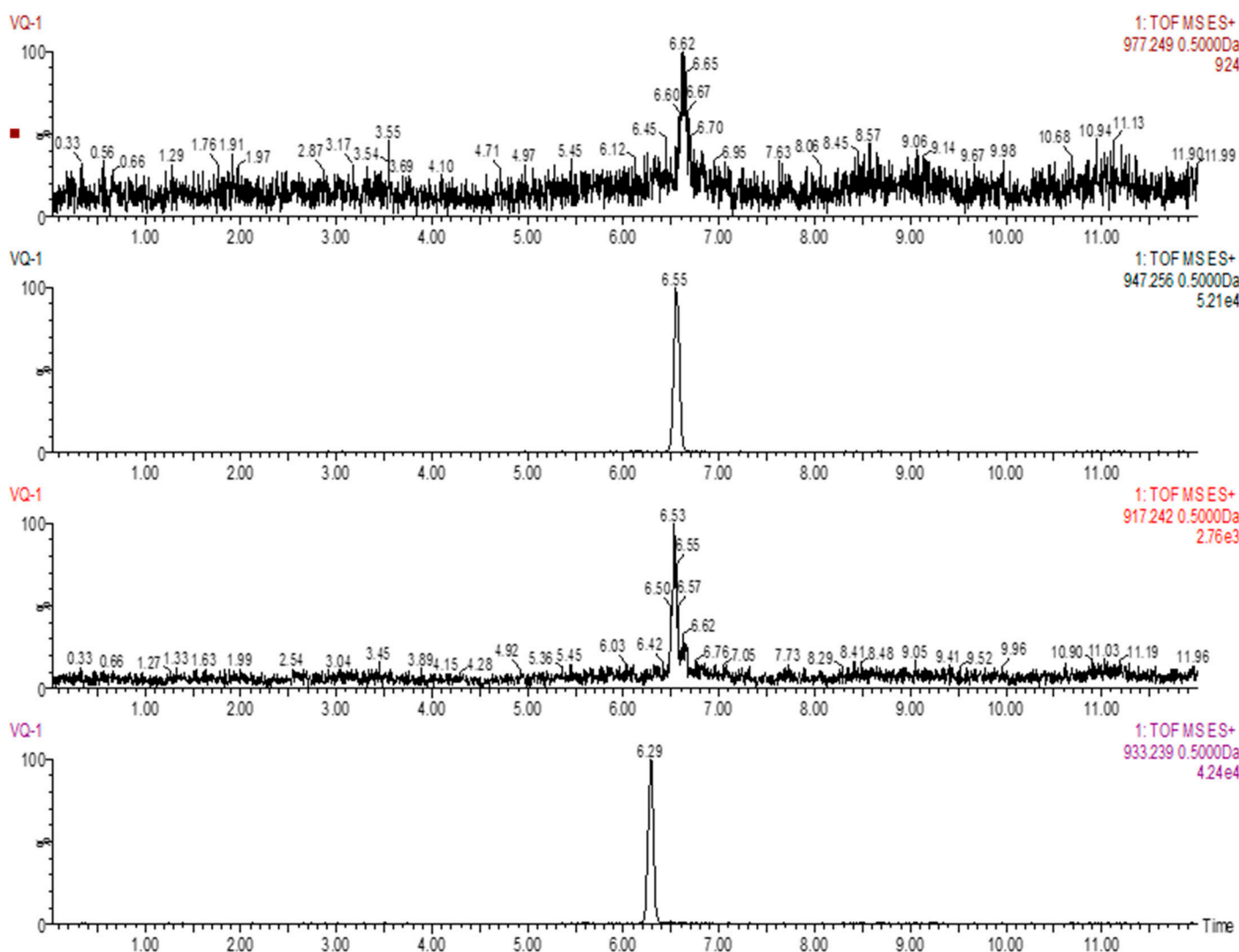


Figure S1. Chromatograms obtained for the potato variety Violet Queen by UHPLC-PDA-QToF-MS. The m/z identified were m/z 933.2390 (Time 6.29 min: Compound 2. Petunidin 3-*p*-coumaroylrutinoside-5-glucoside), m/z 917.2419 (Time 6.53 min: Compound 4. Peonidin 3-*p*-coumaroylrutinoside-5-glucoside), m/z 947.2563 (Time 6.55 min: Compound 5. Malvidin 3-*p*-coumaroylrutinoside-5-glucoside), and m/z 977.2499 (Time 6.62 min: Compound 7. Malvidin 3-feruoylrutinoside-5-glucoside).

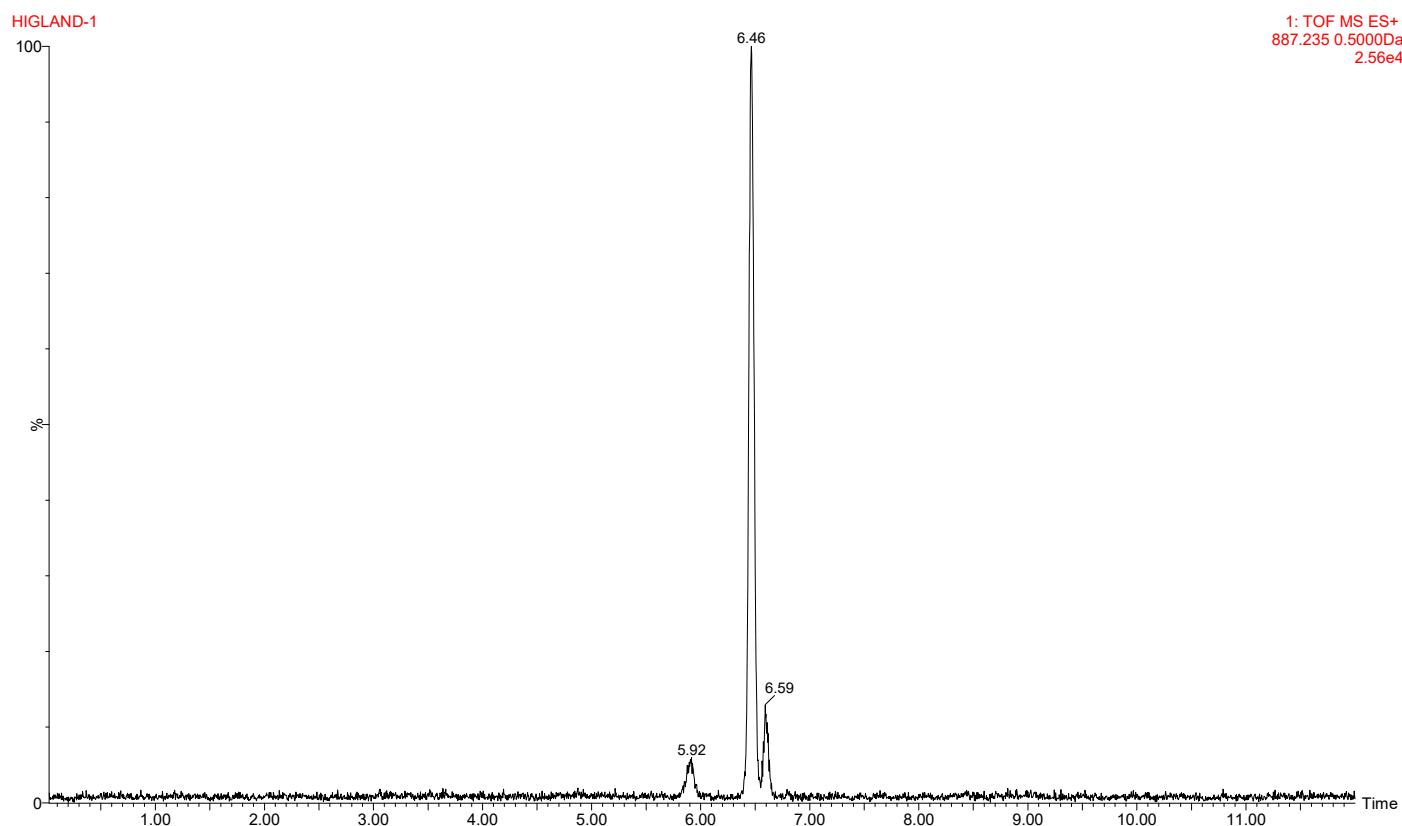


Figure S2. Chromatogram obtained for the potato variety Highland by UHPLC-PDA-QToF-MS. The m/z identified was m/z 887.2387, corresponding with (Time 5.92 min: Compound 1. Pelargonidin 3-*p*-coumaroylrutinoside-5-glucoside; Time 6.46 min: Compound 3. Pelargonidin 3-*p*-coumaroylrutinoside-5-glucoside; Time 6.59 min: Compound 6. Pelargonidin derivative).

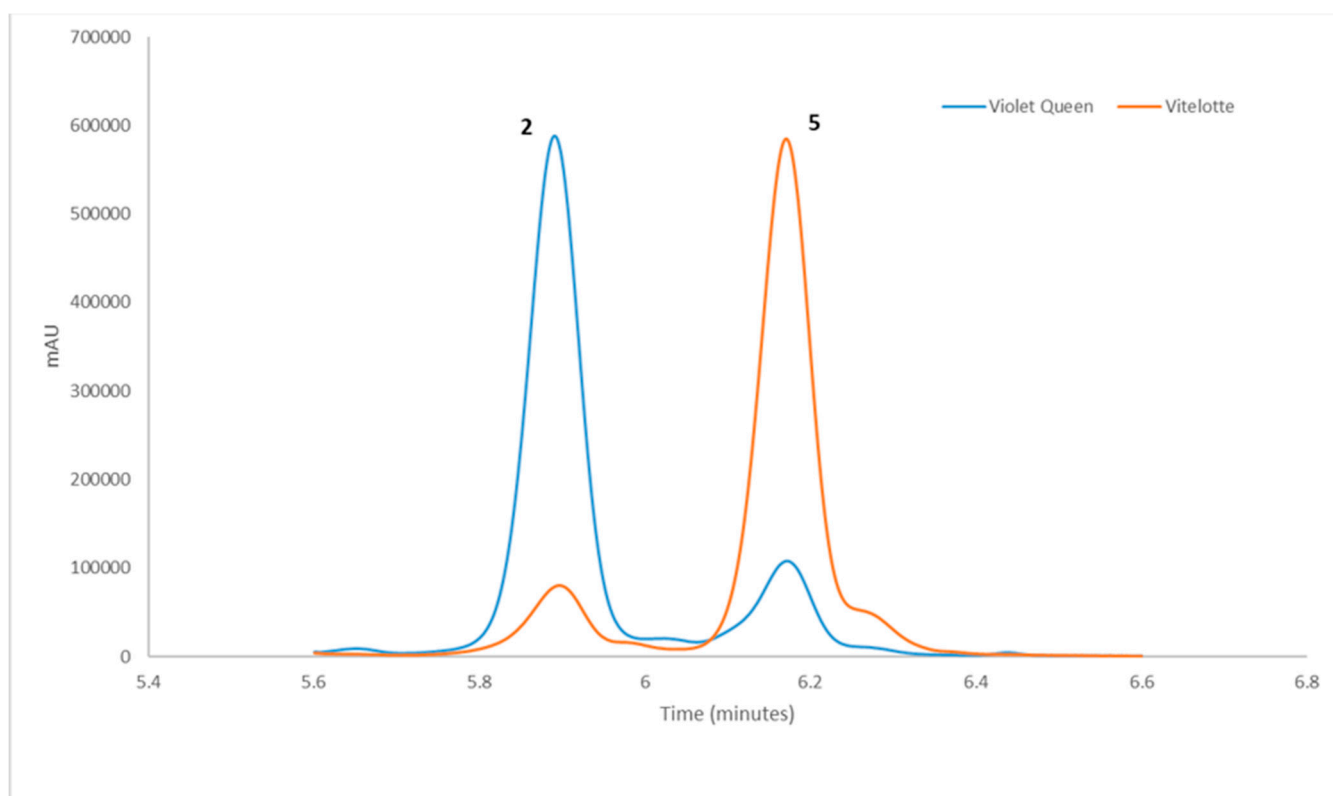


Figure S3. Overlay of the UHPLC chromatogram of the major anthocyanins in purple-fleshed Vitelotte (blue) and Violet Queen (red) potato varieties at 520 nm. **2:** Petunidin 3-*p*-coumaroylrutinoside-5-glucoside; **5:** Malvidin 3-*p*-coumaroylrutinoside-5-glucoside.