

Supporting Information

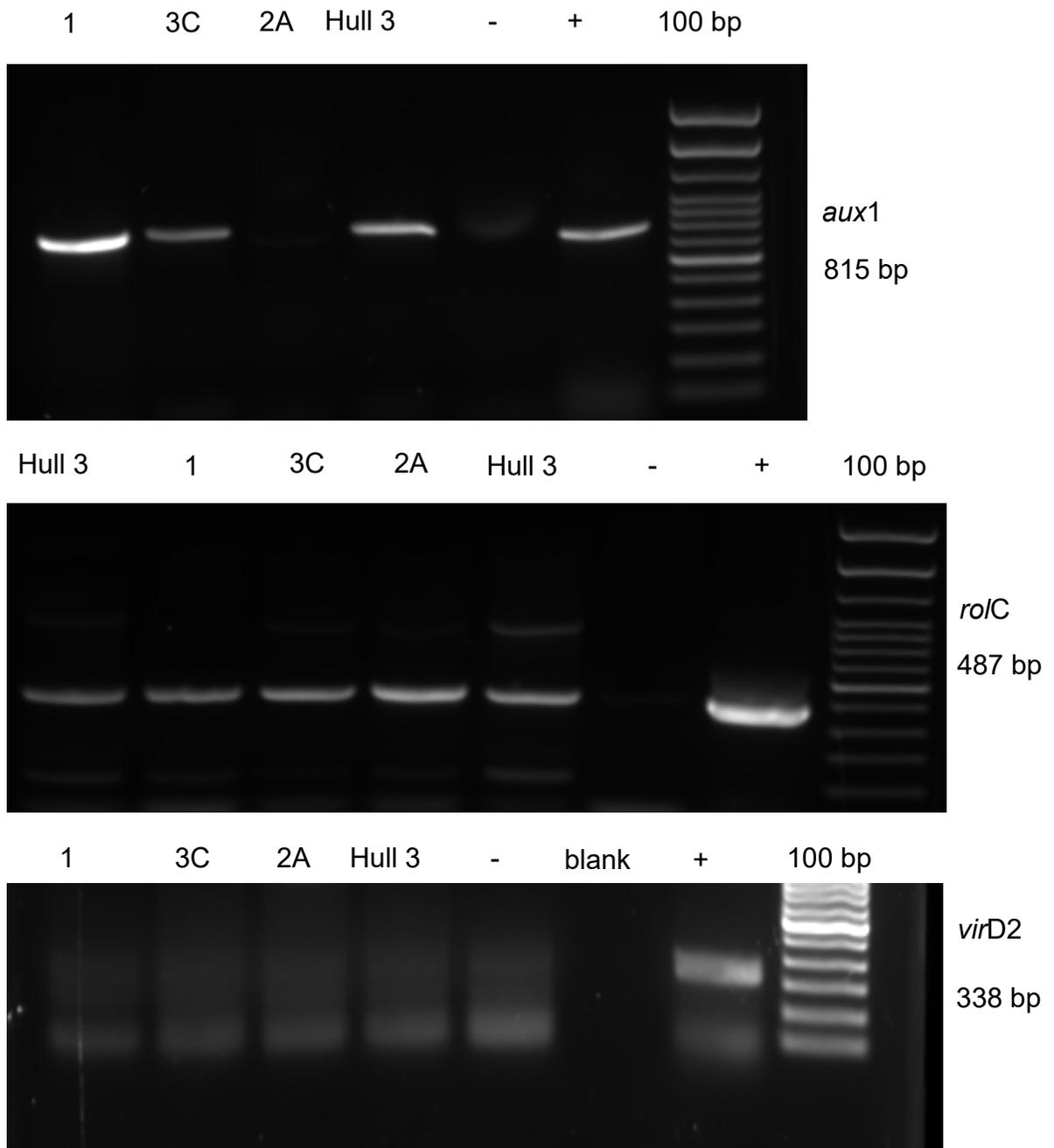


Figure S1. Molecular analysis by PCR of hairy roots of peanut cv. Tifrunner (lines 1, 3C and 2A) and Hull (line 3). Primers targeting the *roIC*, *aux1*, and *virD2* genes were used. Plasmid pRi15834 was used as positive control and ddH₂O was used as negative control;

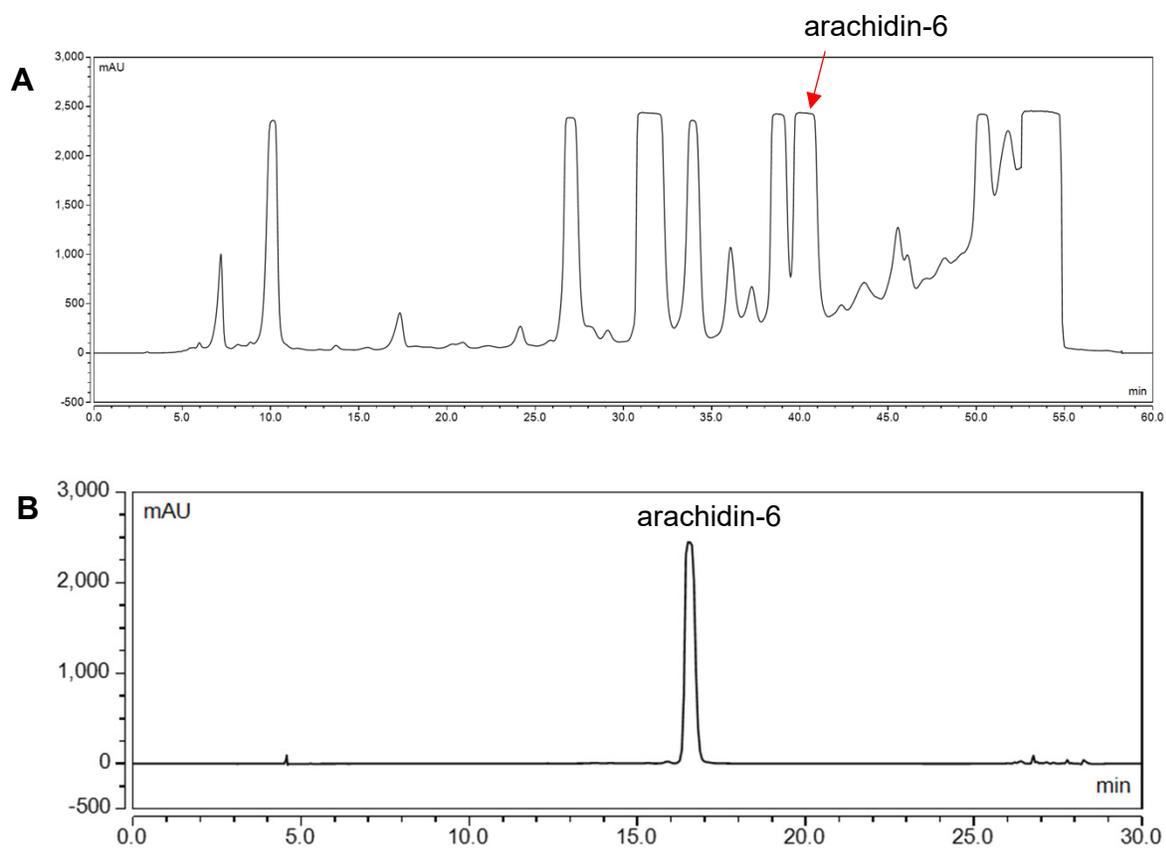


Figure S2. Purification of arachidin-6. (A) semi-preparative HPLC chromatogram of ethyl acetate extract of peanut cv. Tifrunner (B) HPLC profile of purified arachidin-6.

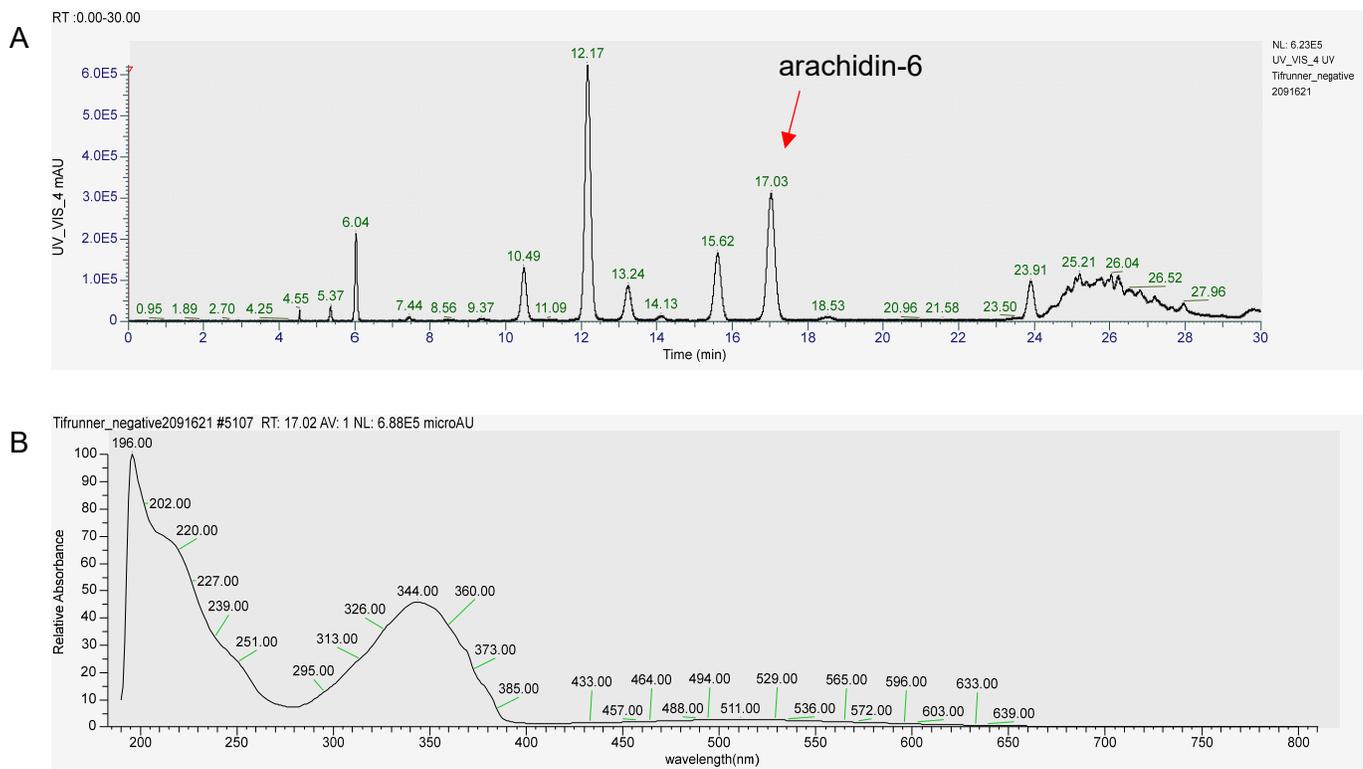


Figure S3. Characterization of arachidin-6. (A) HPLC profile of ethyl acetate extract of peanut cv. Tifrunner (B) UV spectrum of arachidin-6.

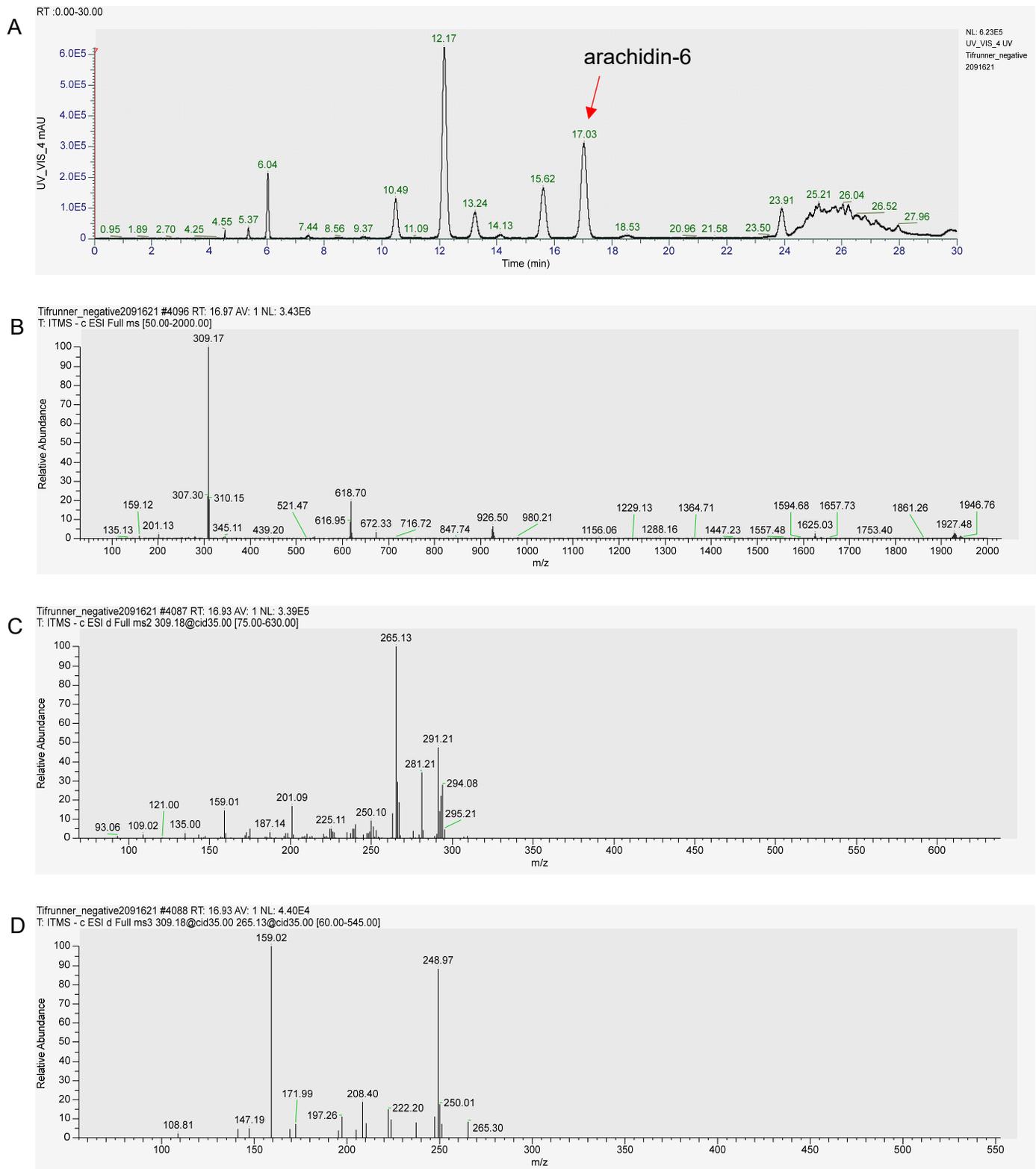


Figure S4. LC-MS analysis of arachidin-6 under negative mode. (A) HPLC chromatogram of ethyl acetate extract of peanut cv. Tifrunner; (B) MS ion chromatogram; (C) MS² ion chromatogram; (D) MS³ ion chromatogram.

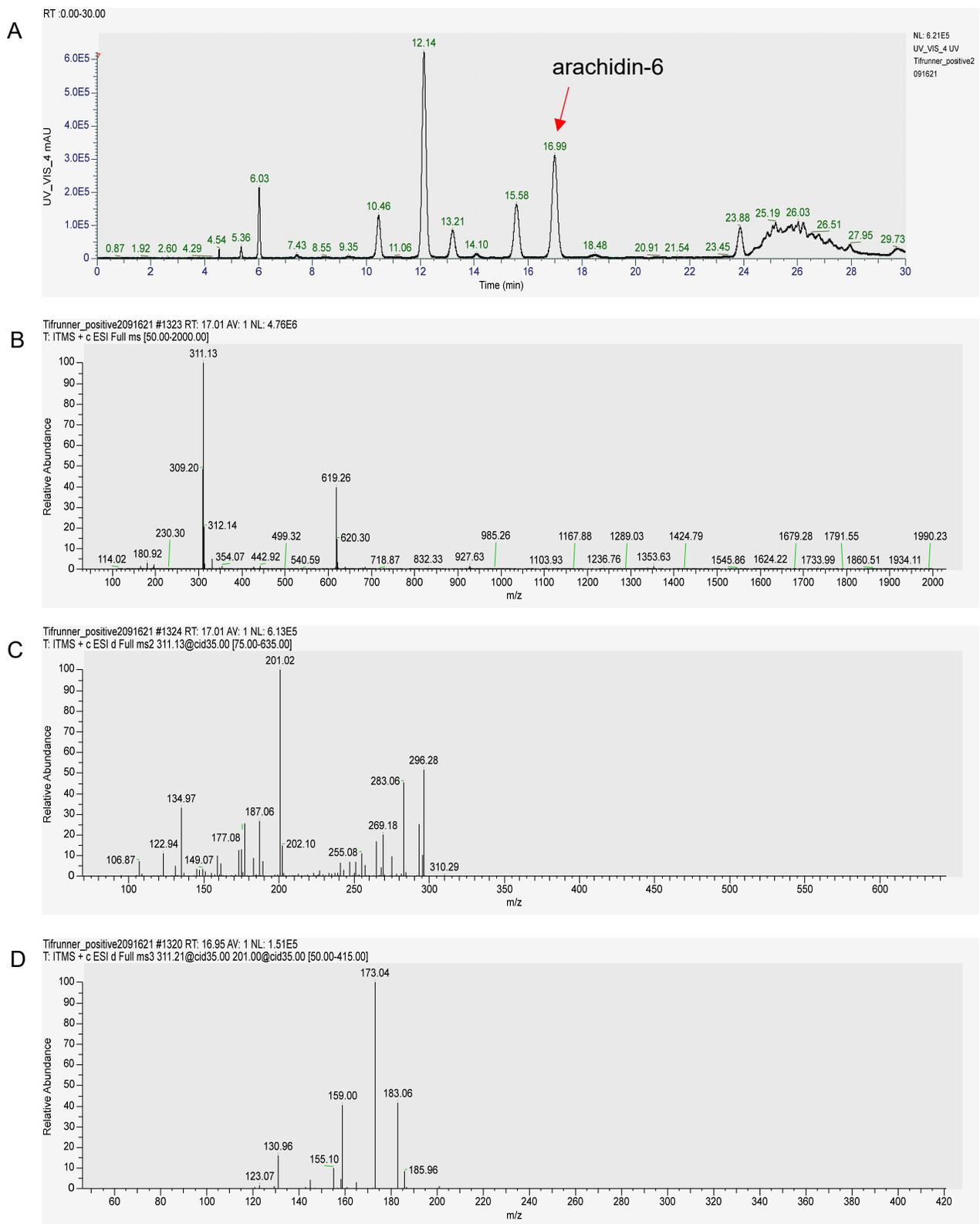


Figure S5. LC-MS analysis of arachidin-6 under positive mode. (A) HPLC chromatogram of ethyl acetate extract of peanut cv. Tifrunner; (B) MS ion chromatogram; (C) MS² ion chromatogram; (D) MS³ ion chromatogram.