

Figure S1. TOF-MS/MS spectrum of the compounds (A) **1**, (B) **4**, (C) **6**, (D) **8**, (E) **12** and proposed fragmentation pathway of monoacyl-PAs tentatively identified in *C. arvensis* organs' apolar extract (grey box).

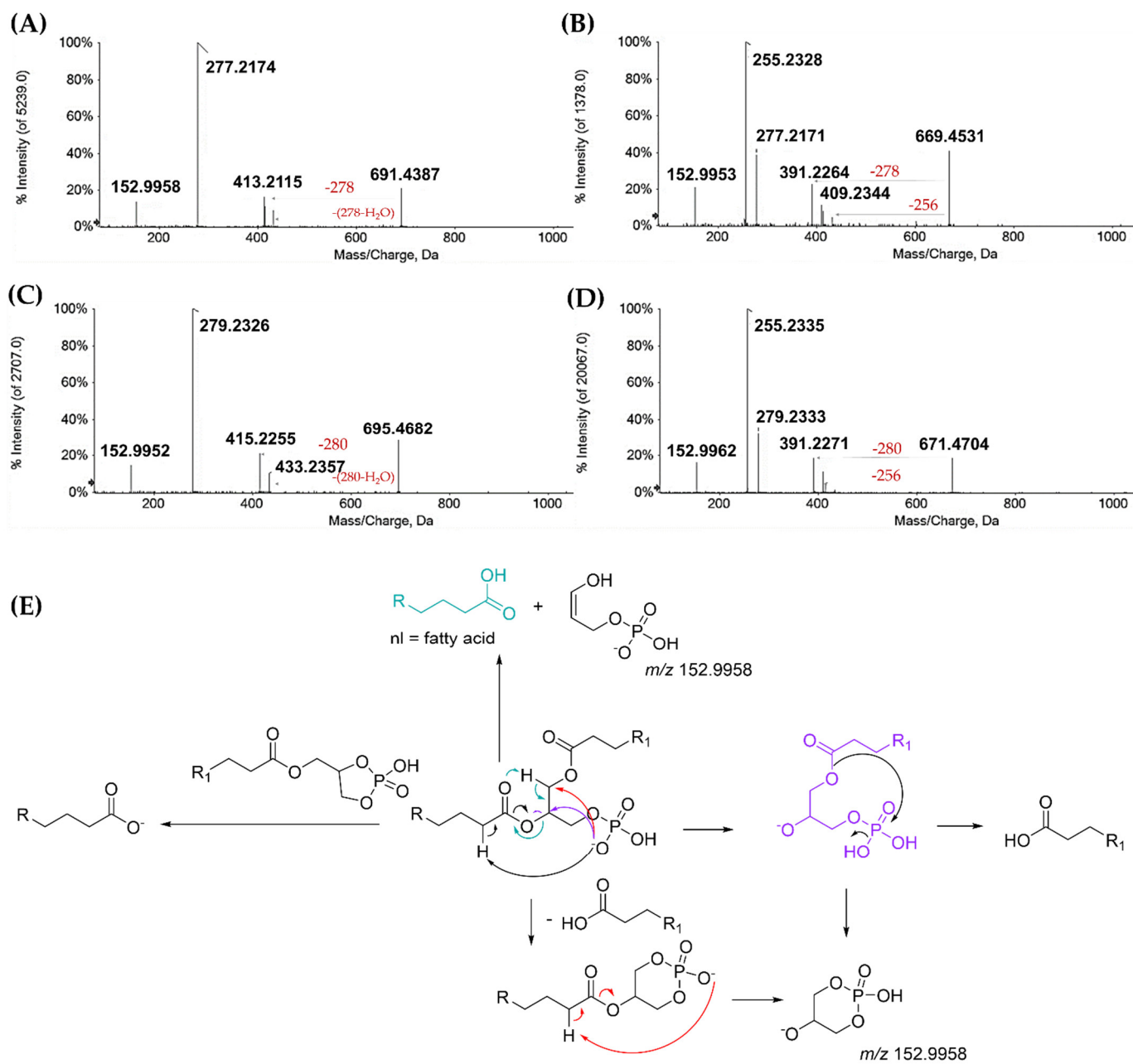


Figure S2. TOF-MS/MS spectrum of the compounds (A) 20, (B) 25, (C) 27, (D) 26, and (E) proposed fragmentation pathway of diacyl-PAs tentatively identified in *C. arvensis* organs' apolar extracts.

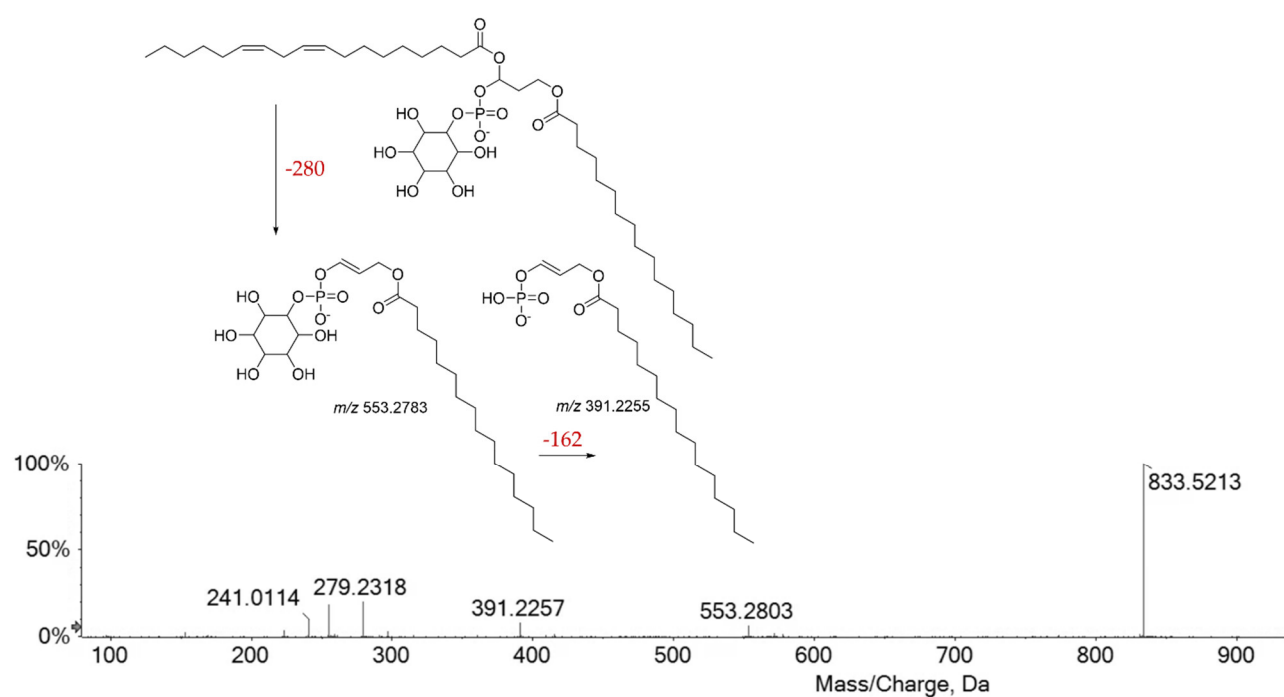


Figure S3. TOF-MS/MS spectrum of the theoretical $[M-H]^-$ ion for compound 11.