

Figure S1. The multi reaction monitoring peak graphs of TQ, TS, TV, and TM.

TQ: *T. quinquecostatus*, TS: *T. serpyllum*, TM: *T. marschallianus*, TV: *T. vulgaris*.

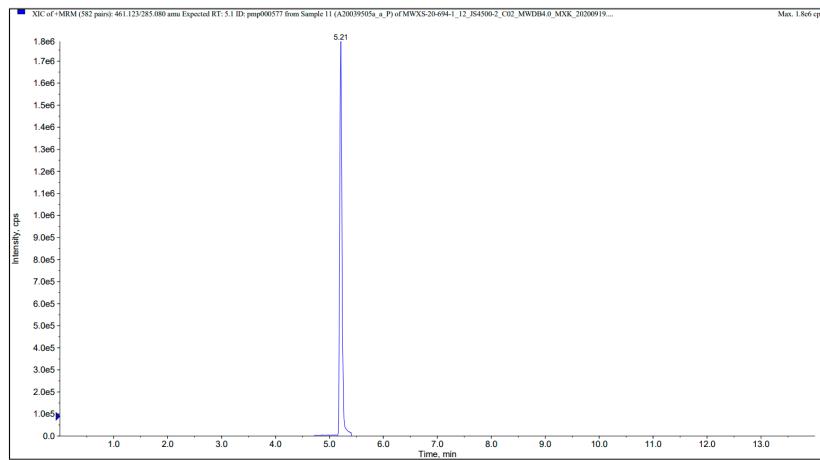


Figure S2. XIC of acacetin-7-O-glucuronide.

Spectrum from MWXS20694-1_mix_GZ_20200905_P.wiff (sample 1) - MWXS20694-1_mix, Experiment 7, +TOF MS^2 (50 - 1250) from 4.956 min
Precursor: 461.2 Da, CE: 30.0

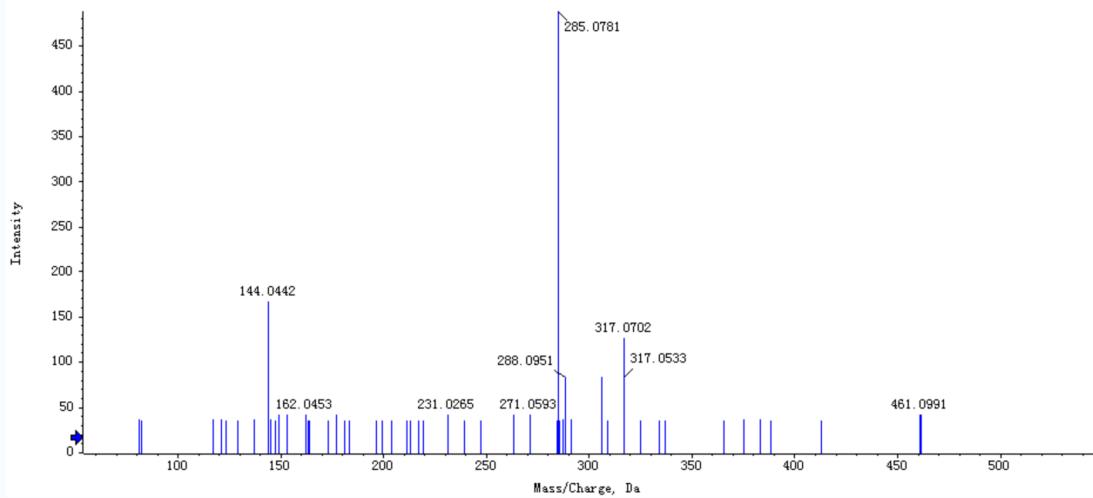


Figure S3. EPI spectrum of acacetin-7-O-glucuronide.

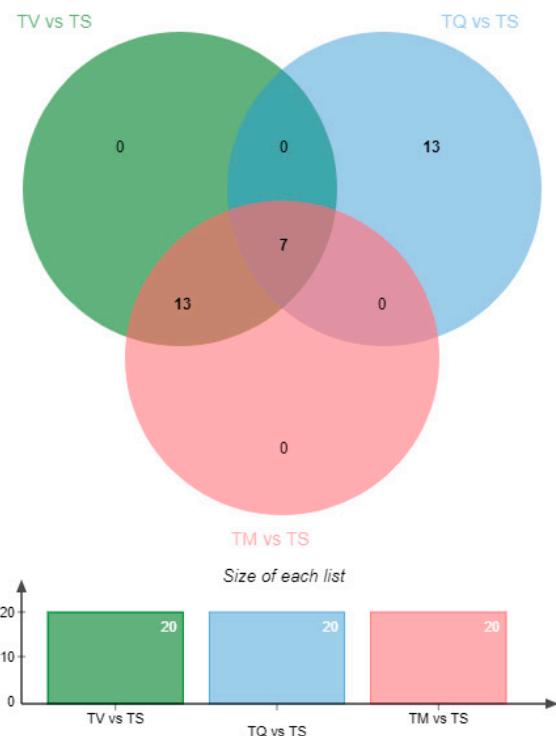


Figure S4. Venn graph for TOP 20 DAMs (FC>2 and OPLS-DA VIP value<1) from the pairwise comparisons between TV vs TS, TQ vs TS, and TM vs TS.
TQ: *T. quinquecostatus*, TS: *T. serpyllum*, TM: *T. marschallianus*, TV: *T. vulgaris*.