

Supplementary Materials: Characterization of the Principal Constituents in Danning Tablets, A Chinese Formula Consisting of Seven Herbs, by An UPLC-DAD-MS/MS Approach

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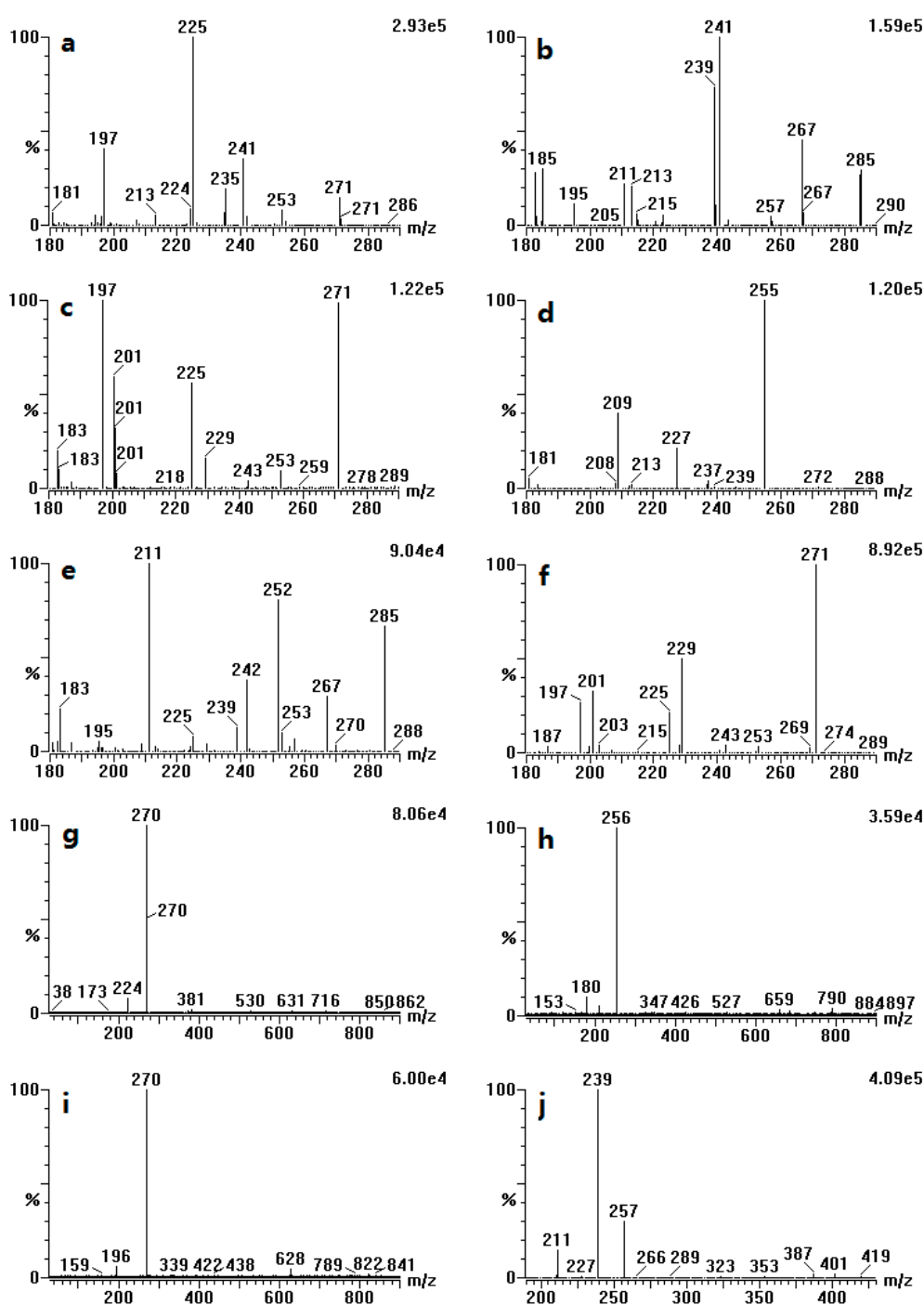


Figure S1. The MS/MS spectra for five free anthraquinones (a–e), 1 anthraquinone glycoside (f) and 4 anthrones (g–j) standard references (a. aloë-emodin; b. rhein; c. emodin; d. chrysophanol; e. physcion; f. emodin 8-o-β-D-glucoside; g. sennoside b; h. sennoside c; i. sennoside a; j. aloin).

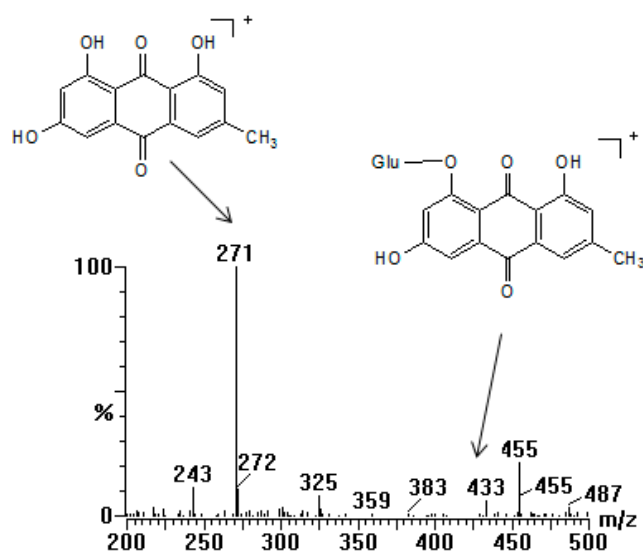


Figure S2. The full scan MS spectra for emodin 8-O-β-D-glucoside

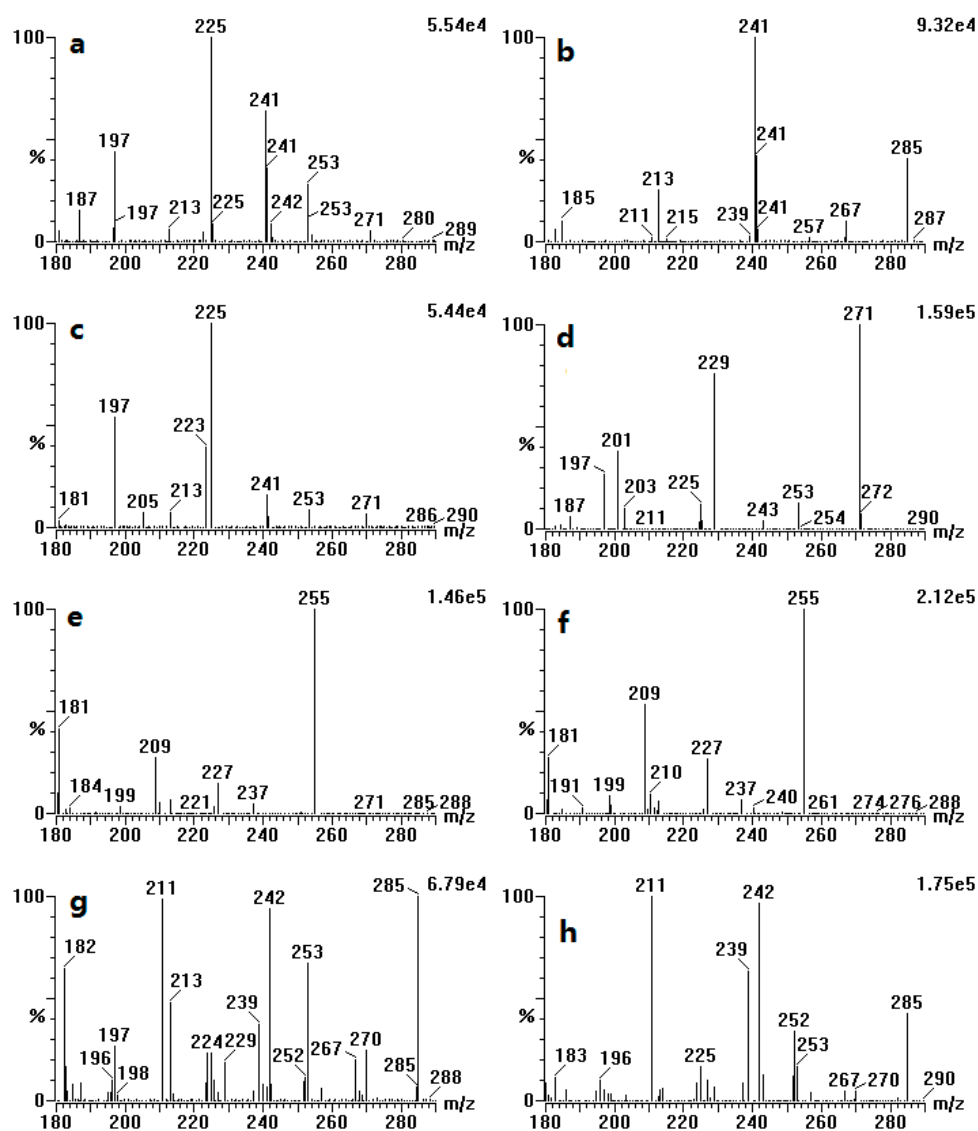


Figure S3. The MS/MS spectra for other anthraquinones (a. aloë-emodin-O-glucoside; b. rhein-O-glucoside; c. aloë-emodin-O-glucoside; d. emodin-O-glucoside; e. chrysophanol 1-O-glucoside; f. chrysophanol 8-O-glucoside; g. physcion 1-O-glucoside; h. physcion 8-O-glucoside).

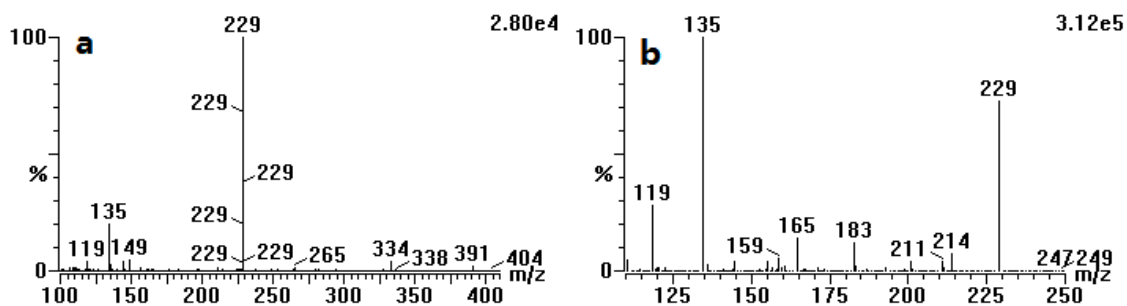


Figure S4. The MS/MS spectra for two stilbene standard references (a. picacid; b. resveratrol).

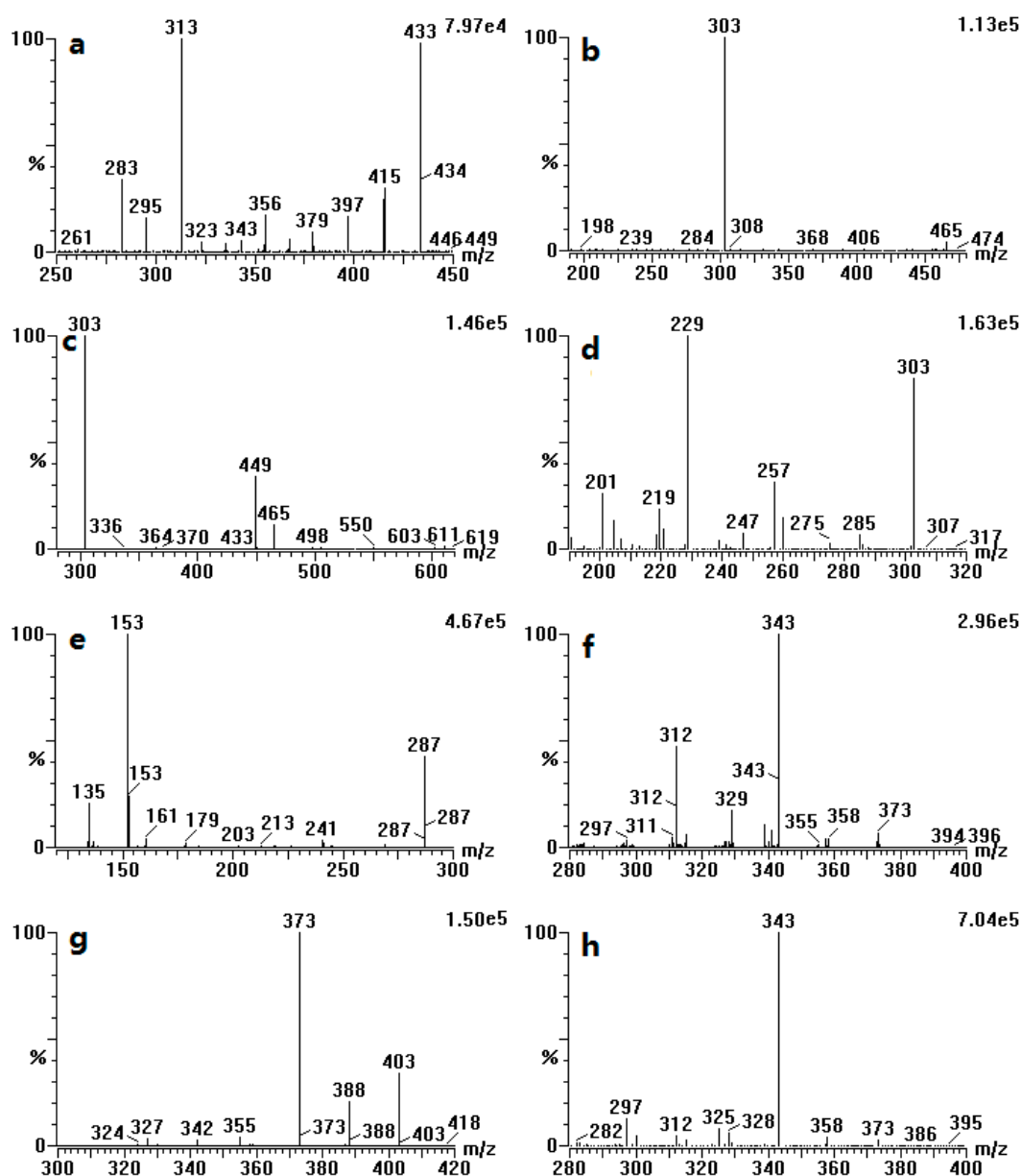


Figure S5. The MS/MS spectra for eight flavonoid standard references (a. vitexin; b. hyperoside; c. hesperidin; d. quercetin; e. luteolin; f. sinensetin; g. nobiletin; h. tangeretin).

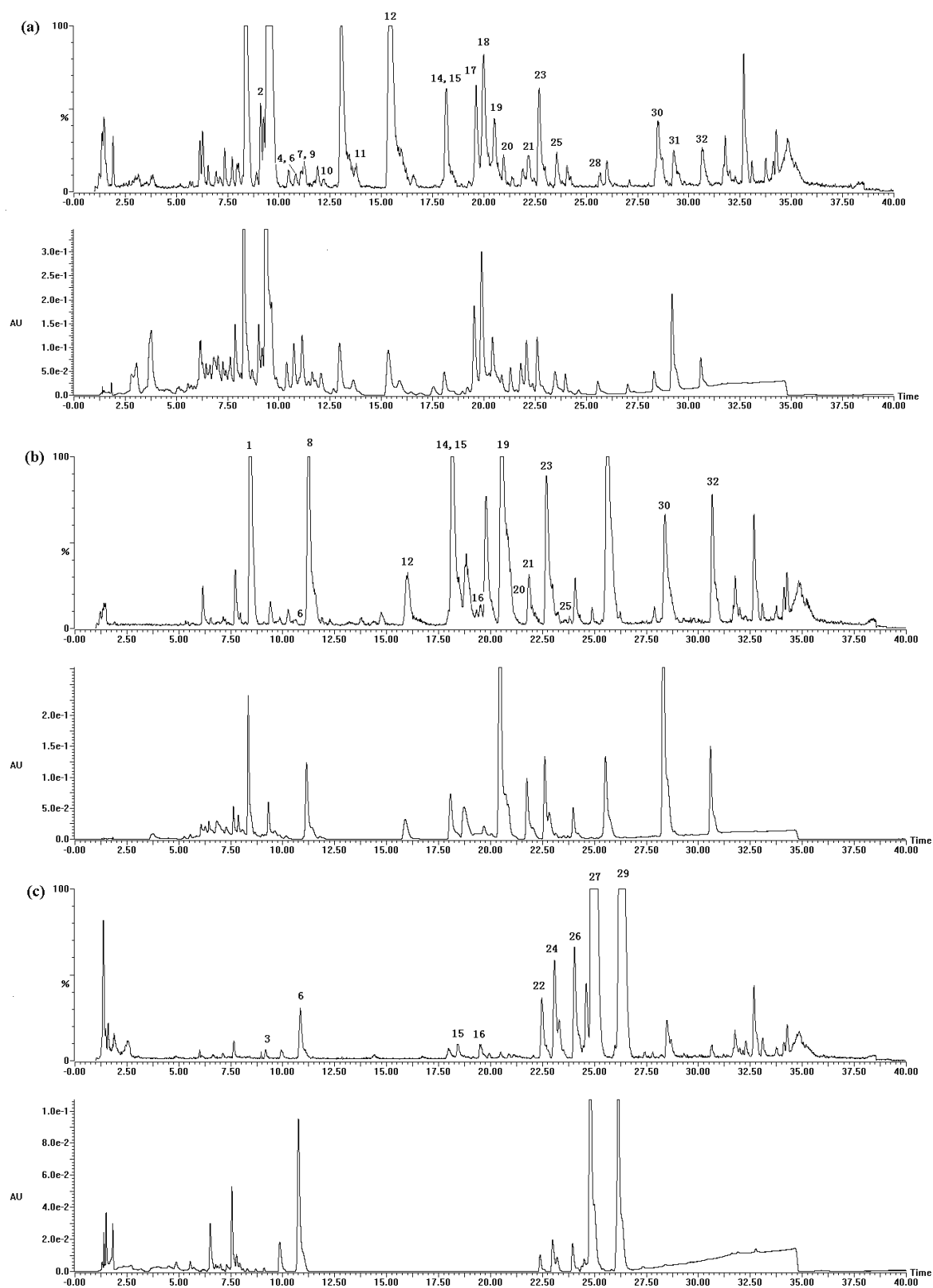
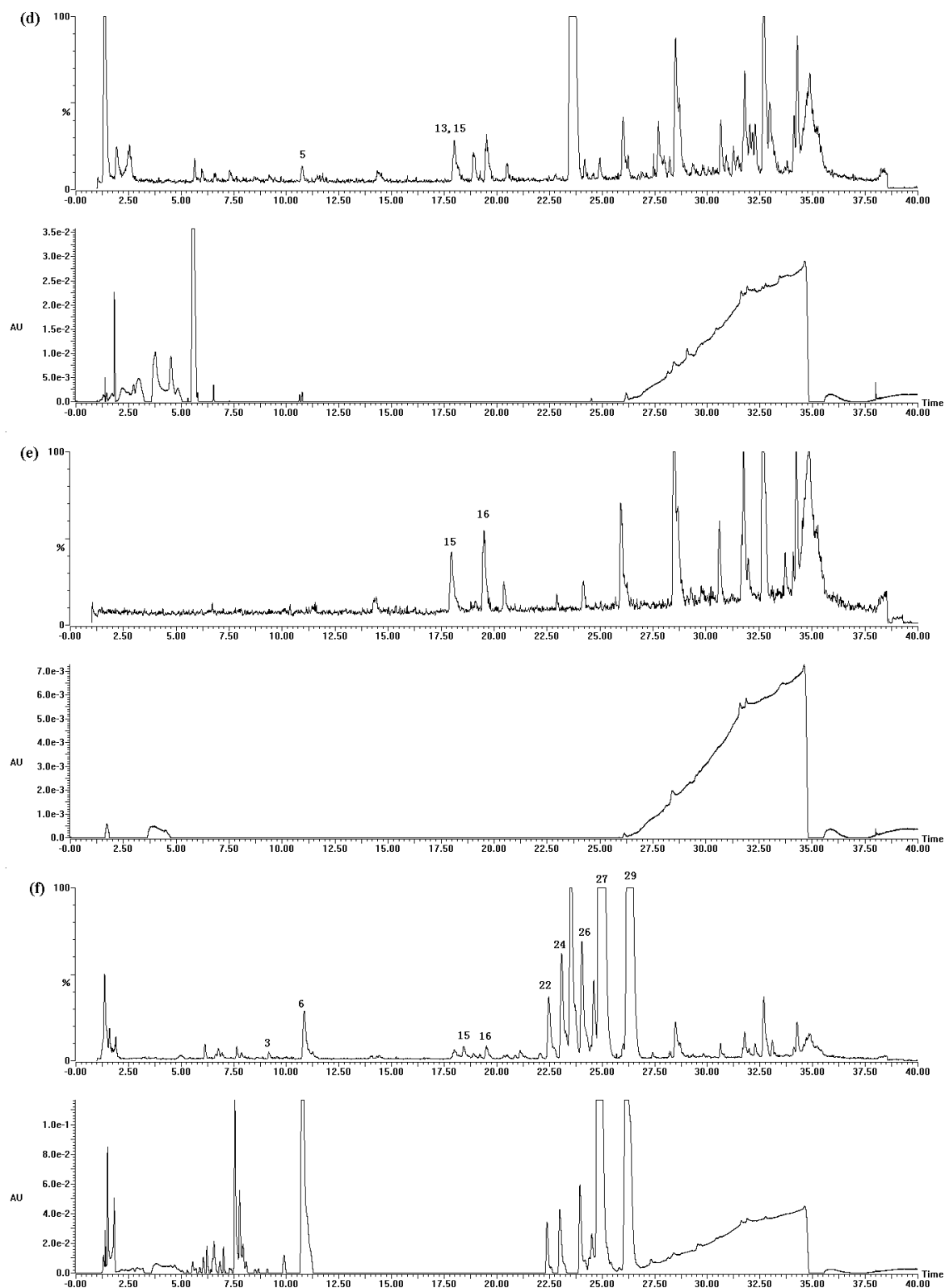


Figure S6. Cont.



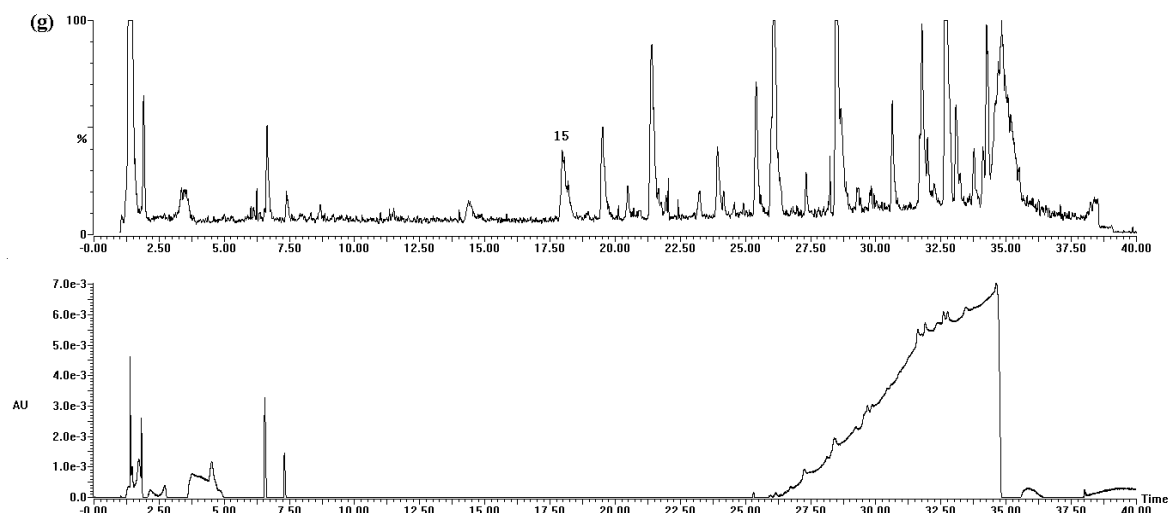


Figure S6. The UPLC-DAD-ESI-MS chromatograms of single herbs in Danning Tablets formula (**a**. *Rhei Radix et Rhizoma* (RRR); **b**. *Polygoni Cuspidati Rhizoma et Radix* (PCRR); **c**. *Citri Reticulatae Pericarpium* (CRP); **d**. *Citri Reticulatae Pericarpium Viride* (CRPV); **e**. *Curcumae Radix* (CR); **f**. *Crataegi Fructus* (CF); **g**. *Imperatae Rhizoma* (IR). Upper panel, LC-MS chromatogram at positive ion mode; lower panel, LC-UV chromatogram at 266 nm).

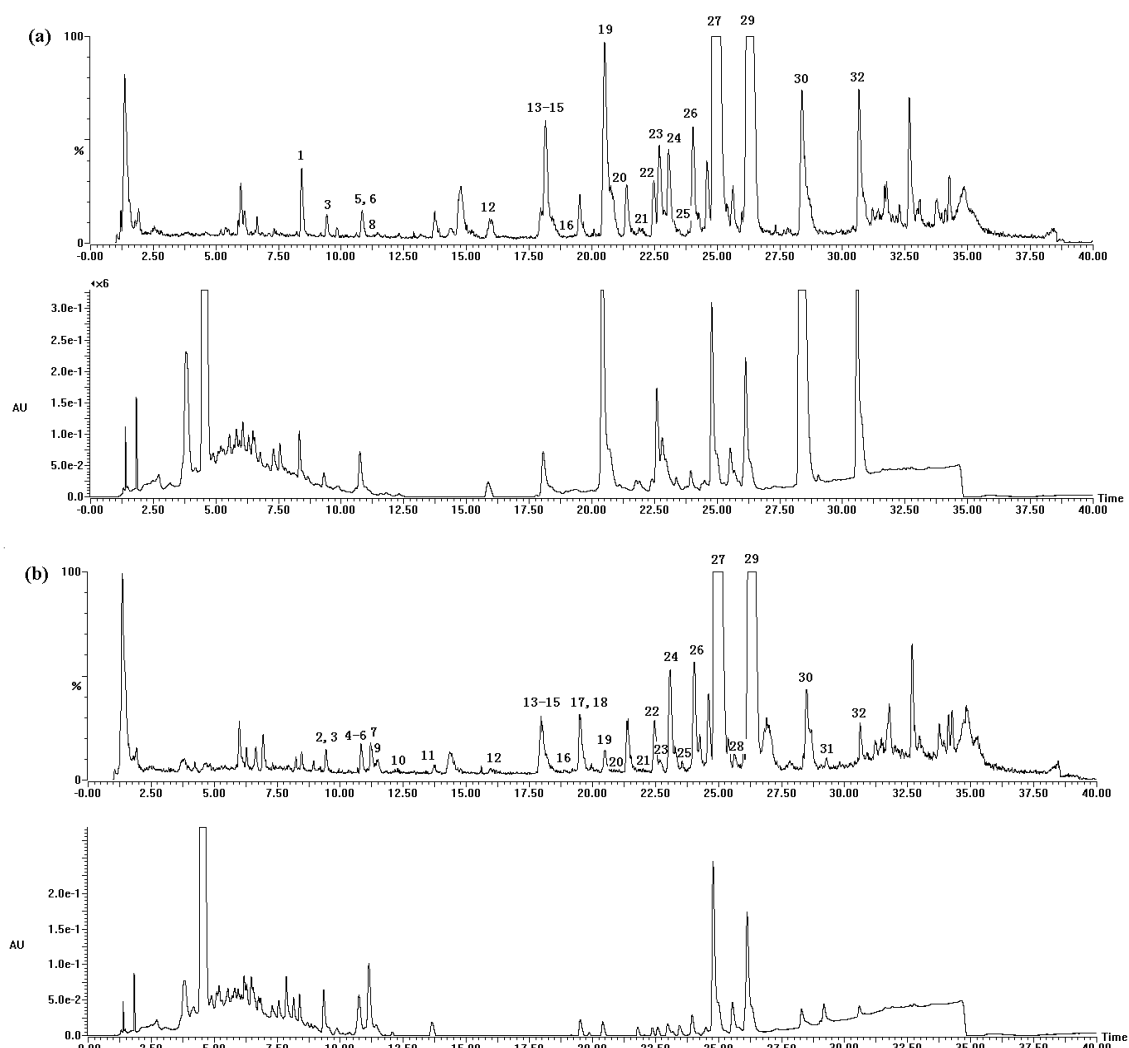
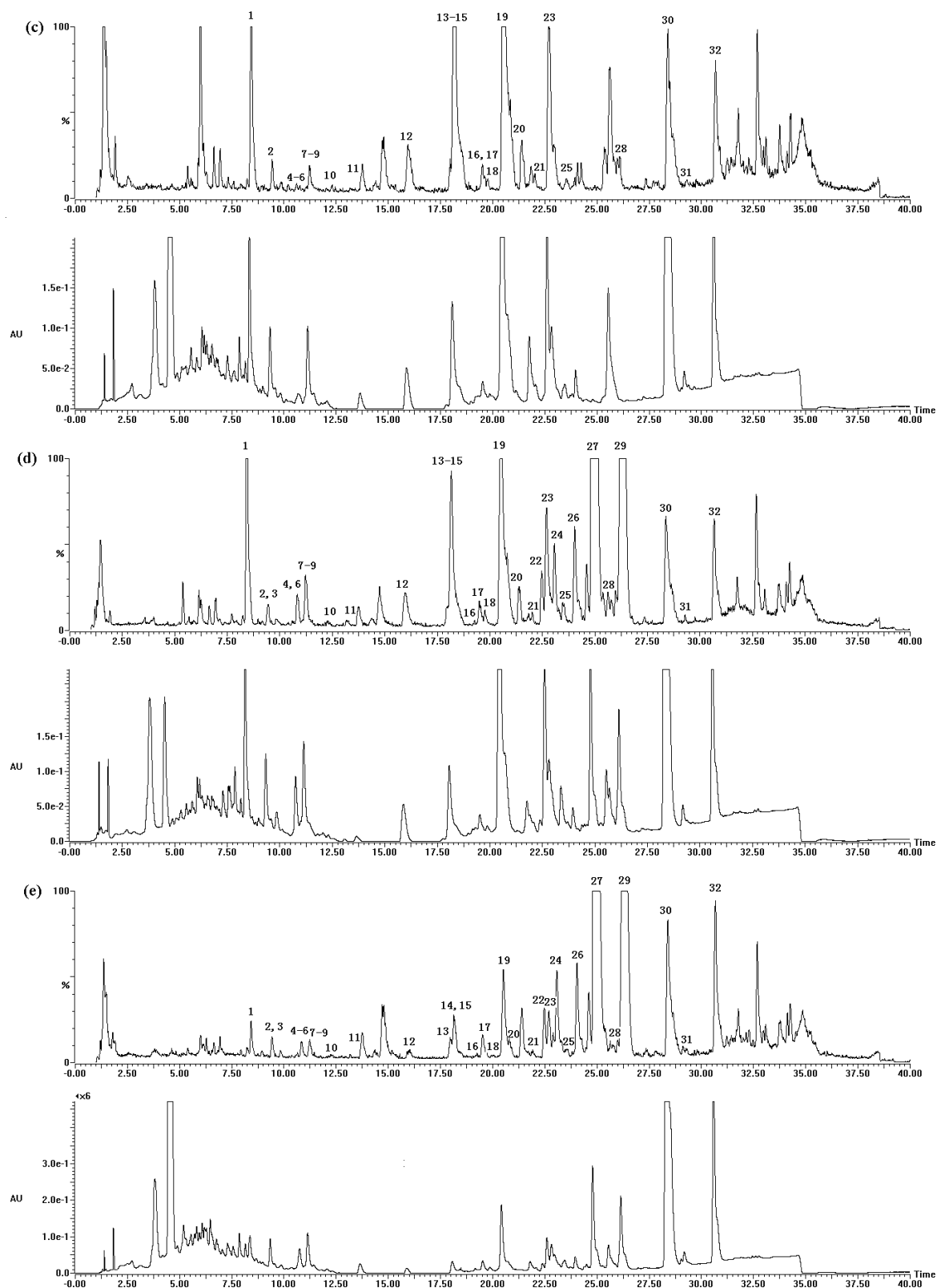


Figure S7. Cont.



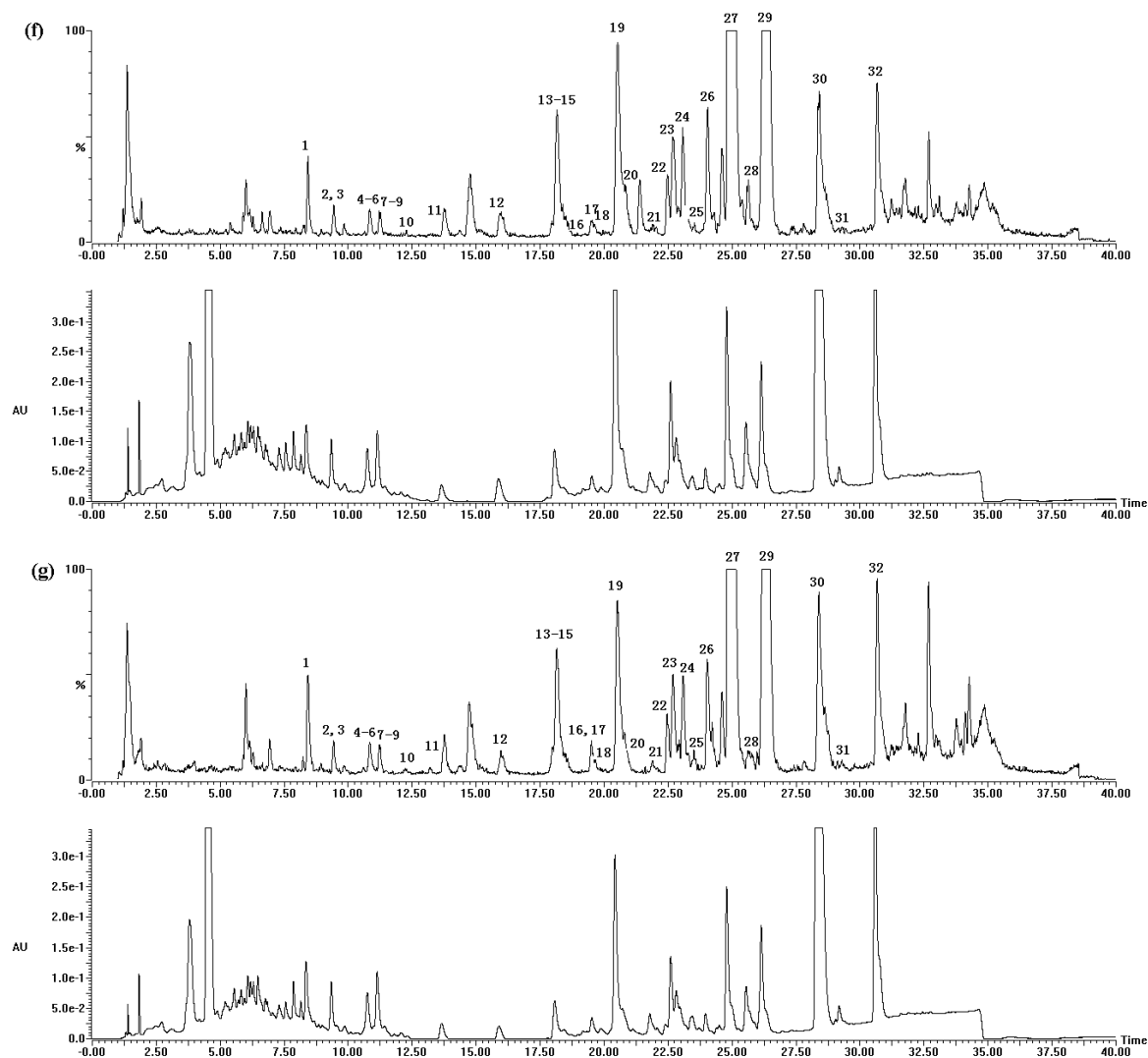


Figure S7. The UPLC-DAD-ESI-MS chromatograms of revised formulae of Danning Tablets with only six herbs (**a.** Revised formula without *Rhei Radix et Rhizoma* (RRR); **b.** Revised formula without *Polygoni Cuspidati Rhizoma et Radix* (PCRR); **c.** Revised formula without *Citri Reticulatae Pericarpium Viride* (CRPV); **d.** Revised formula without *Crataegi Fructus* (CF); **e.** Revised formula without *Curcumae Radix* (CR); **f.** Revised formula without *Citri Reticulatae Pericarpium* (CRP); **g.** Revised formula without *Imperatae Rhizoma* (IR). Upper panel, LC-MS chromatogram at positive ion mode; lower panel, LC-UV chromatogram at 266 nm).