

Supplementary material

Table S1. Composition of deep eutectic solvents used in the extraction experiments

Abbreviation	Components	Molar ratio (ChCl:HBD)	Water content (% w/w)
ChCl:EG	Choline chloride : Ethylene glycol	1:2	20
ChCl:Gly	Choline chloride : Glycerol	1:2	20
ChCl:PG	Choline chloride : Propylene glycol	1:3	20
ChCl:U	Choline chloride : Urea	1:2	20
ChCl:LA	Choline chloride : Lactic acid	1:1	20
ChCl:MAc	Choline chloride : Malonic acid	1:1	20
ChCl:MAI	Choline chloride : Malic acid	1:1	20
ChCl:Fru	Choline chloride : Fructose	1:1	20

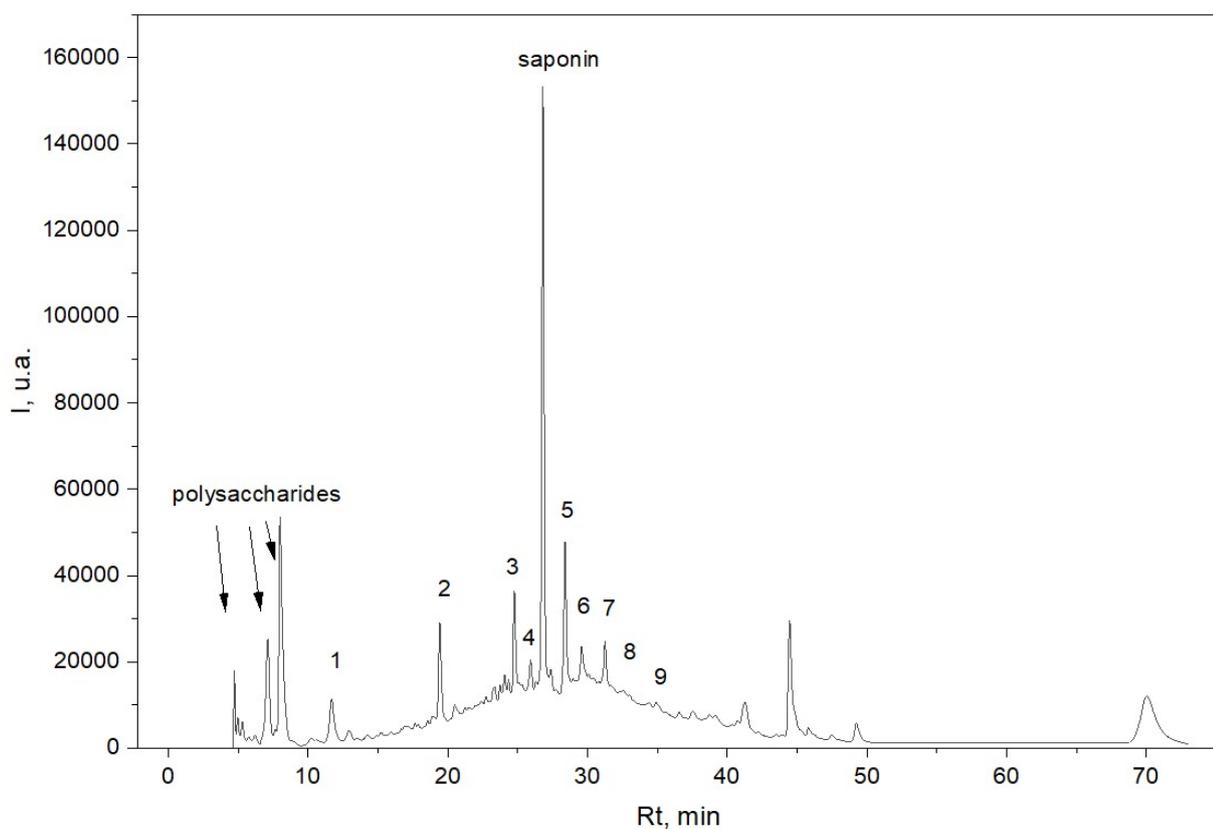


Figure S1. Representative HPLC-UV chromatogram of phenolic compounds extracted by fermentation-assisted method. Peaks: 1=gallic acid, 2=vanillic acid, 3=catechin, 4=caffeic acid, 5=p-coumaric acid, 6=vanillin, 7=sinapic acid, 8= ferulic acid, 9=myricetin

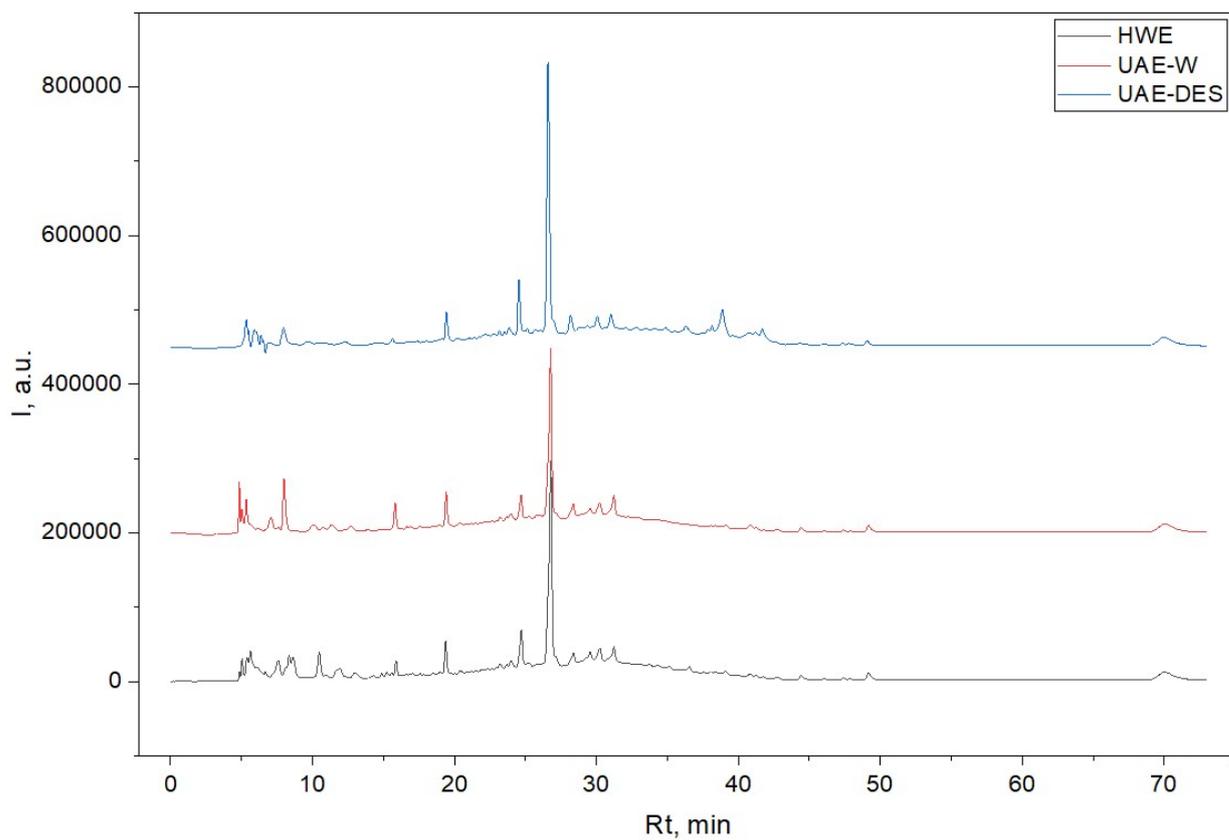


Figure S2. HPLC-UV chromatograms of phenolic compounds extracted by different methods (HWE – Hot water extraction, UAE-W – Ultrasound-assistant extraction with water, UAE-DES – Ultrasound-assistant extraction with ChCl:EG:20 wt% water).