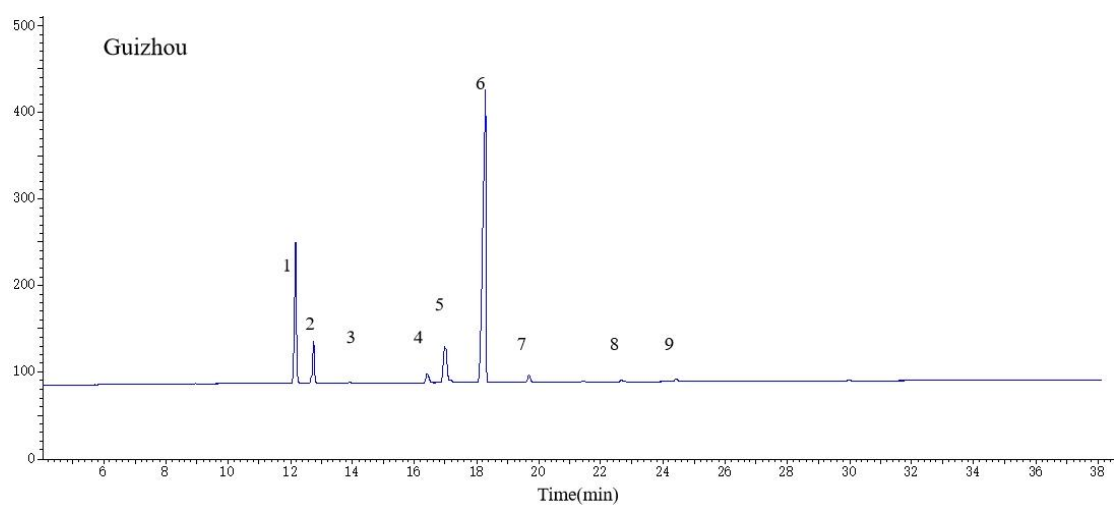
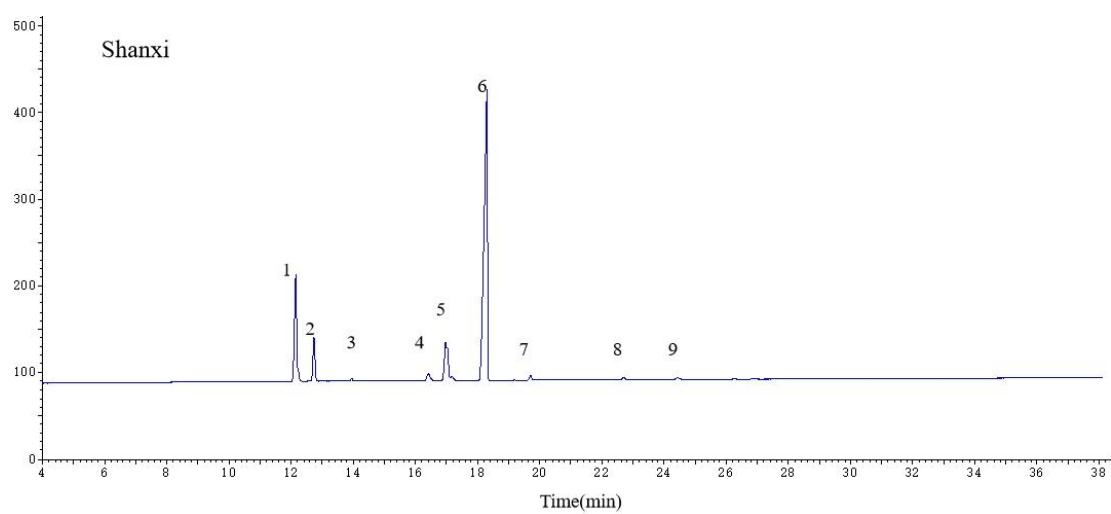
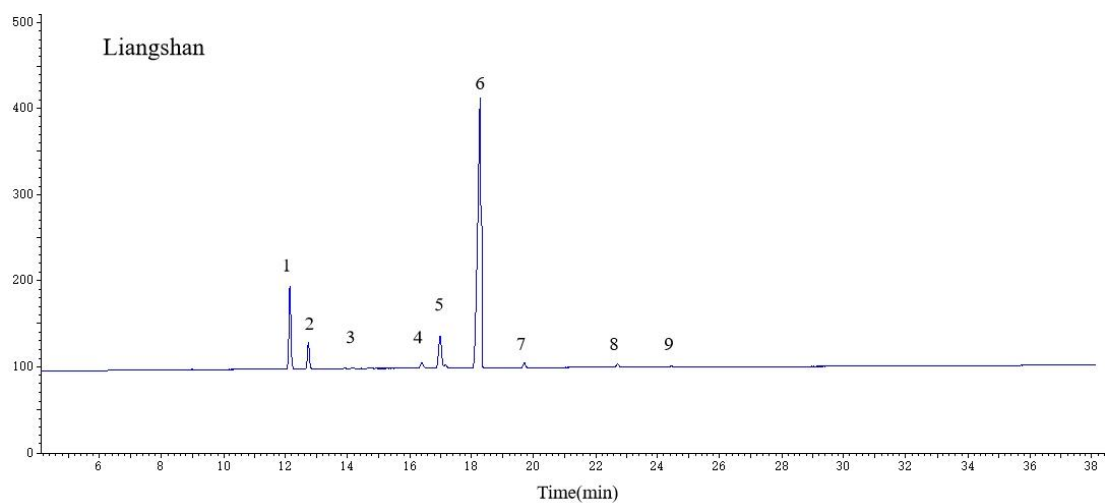


Table S1 Fitting curves of bioactive compounds.

Components	Regression equation	R ²	Linearity range (µg/mL)
α-tocopherol	Y = 9366.5 X + 7205.1	0.9986	2.5860-103.4397
β-tocopherol	Y = 9257.6 X + 757.09	0.9984	0.4016-16.0648
γ-tocopherol	Y = 9292.8 X + 48558	0.9984	15.8762-635.0409
δ-tocopherol	Y = 9399 X + 13782	0.9985	6.1362-245.4461
Polyphenol	Y = 0.0958 X + 0.0293	0.9990	1-15



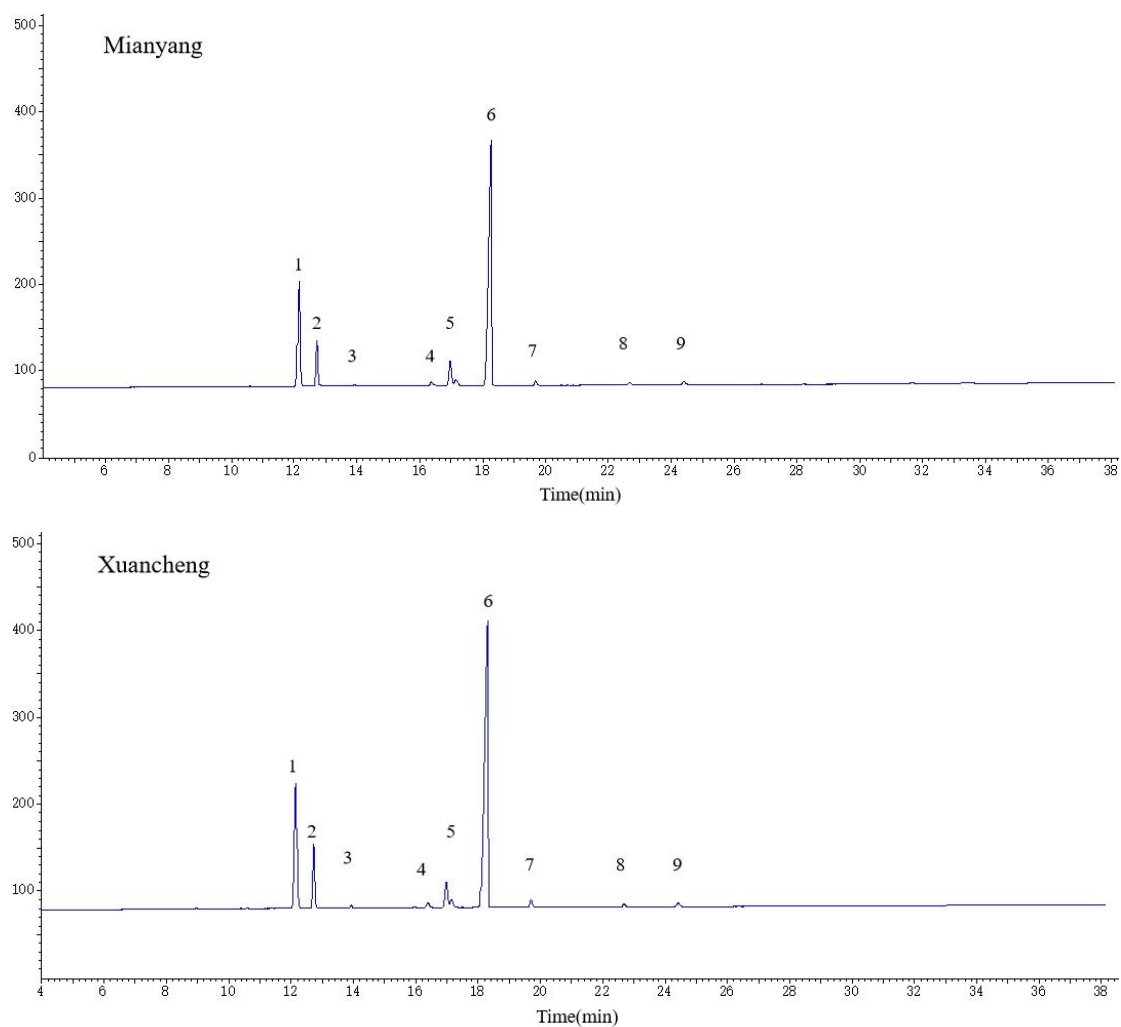


Figure S1. Fatty acid composition gas chromatogram of *Idesia polycarpa* pulp oil from five regions. 1- palmitic acid, 2-palmitoleic acid, 3-heptadecanoic acid, 4- stearic acid, 5-oleic acid, 6-linoleic acid, 7-linolenic acid, 8-arachidic acid, 9- heneicosanoic acid.

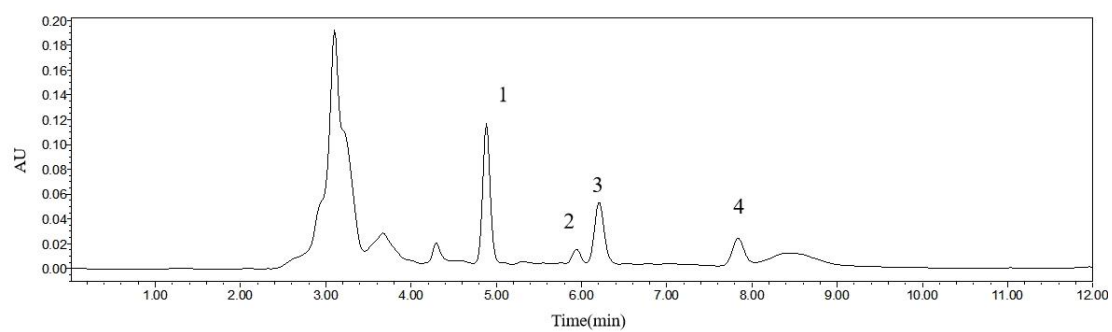


Figure S2. HPLC of tocopherols in *Idesia polycarpa* pulp oil. 1- α -tocopherol, 2- β -tocopherol, 3- γ -tocopherol, 4- δ -tocopherol.

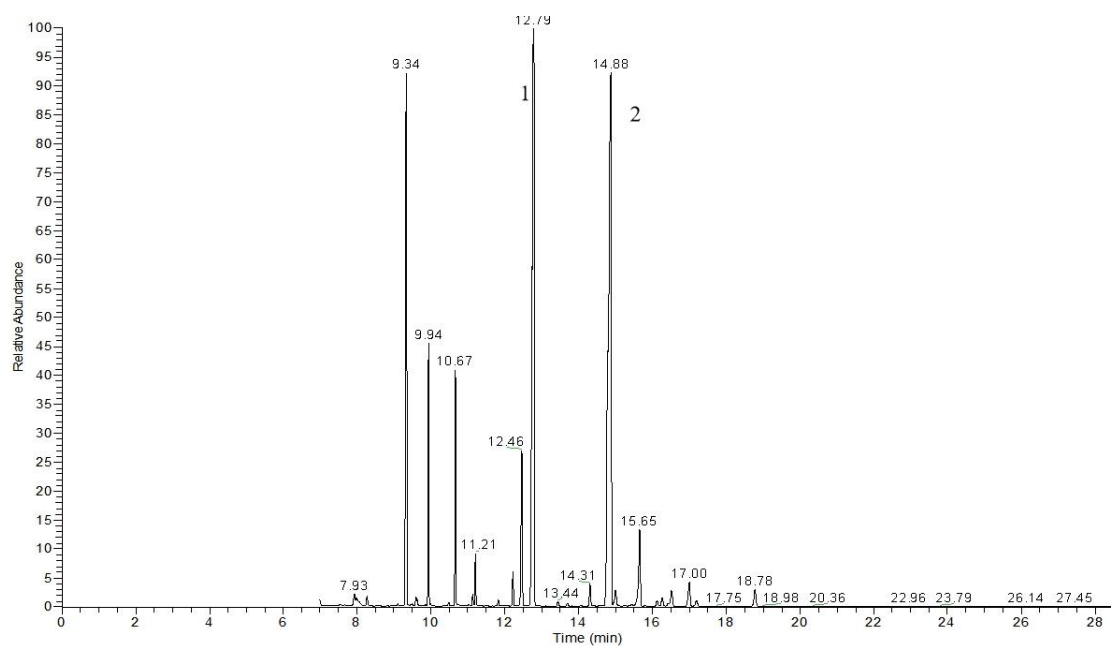


Figure S3. Total ion chromatogram of β -sitosterol in *Idesia polycarpa* pulp oil. 1- 5α -cholestane, 2- β -sitosterol.