

Figure S1

A) chromatogram of anhydrous phase reaction systems I: glyceryl tributyrate (0.1 g), methanol (136 μ L), D380 resin (0.8 mg) immobilized TrLipB and dodecane (5 mL); B) chromatogram of anhydrous phase reaction systems II: glyceryl tributyrate (0.1 g), ethanol (193 μ L), D380 resin (0.8 mg) immobilized TrLipB and dodecane (5 mL); C) chromatogram of anhydrous phase reaction systems III: methyl butyrate (0.1 g), ethanol (578 μ L), D380 resin (0.8 mg) immobilized TrLipB and dodecane (5 mL); D) chromatogram of anhydrous phase reaction systems IV: ethyl butyrate (0.1 g), methanol (355 μ L), D380 resin (0.8 mg) immobilized TrLipB and dodecane (5 mL).

Figure S2

A) the mass spectra of anhydrous phase reaction systems I; B) the mass spectra of anhydrous phase reaction systems II; C) the mass spectra of anhydrous phase reaction systems III; D) the mass spectra of anhydrous phase reaction systems IV.

Figure S1

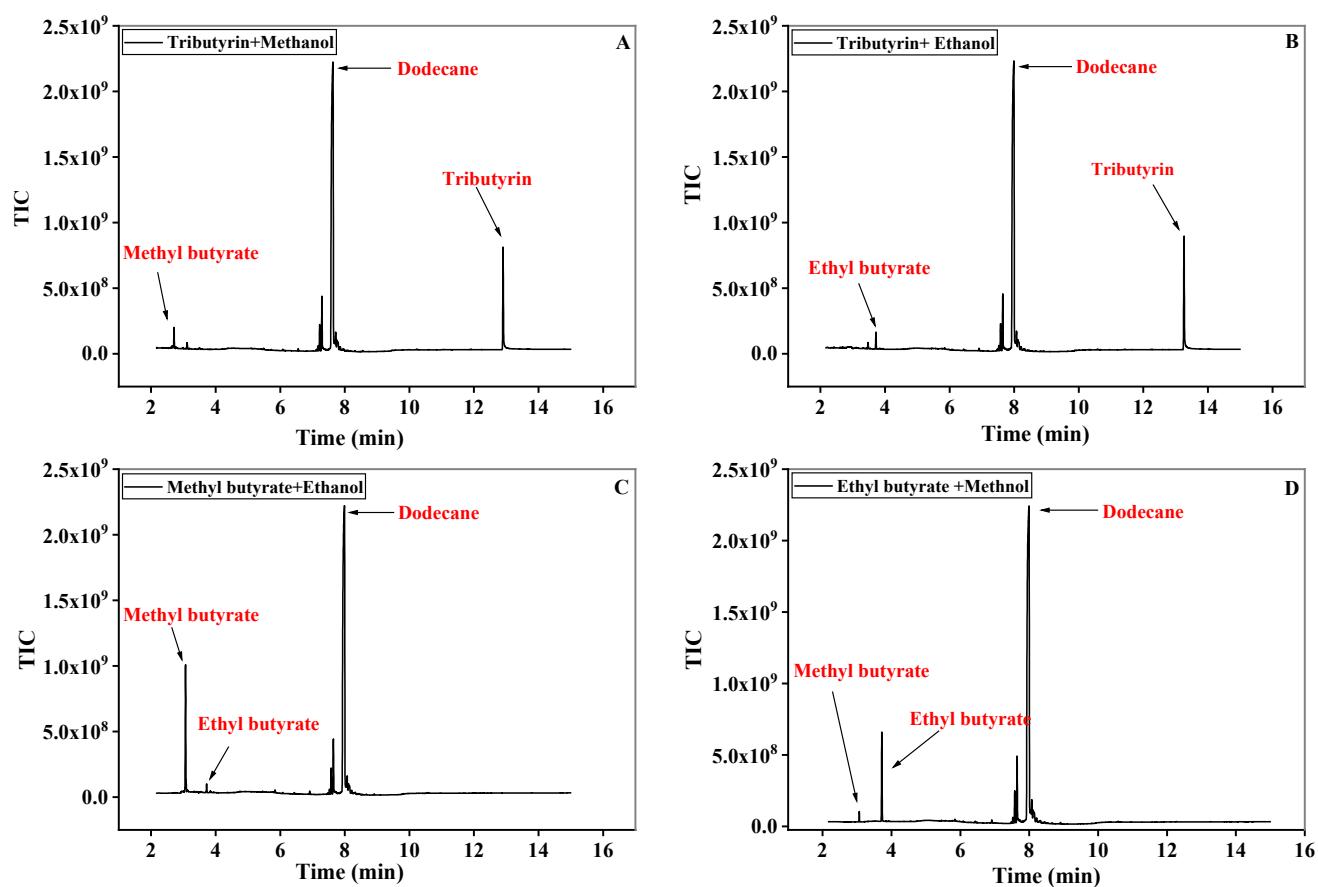
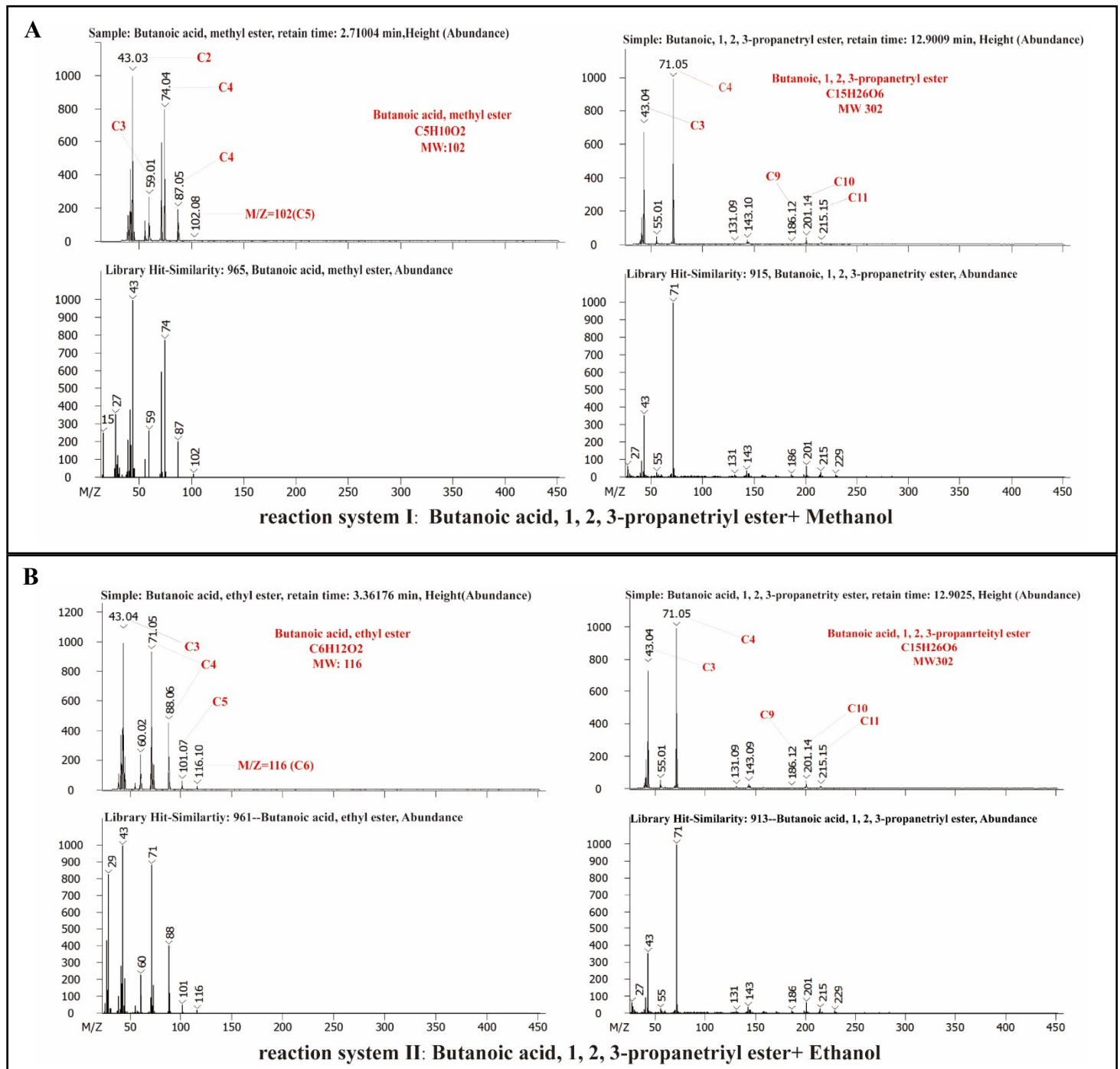


Figure S2



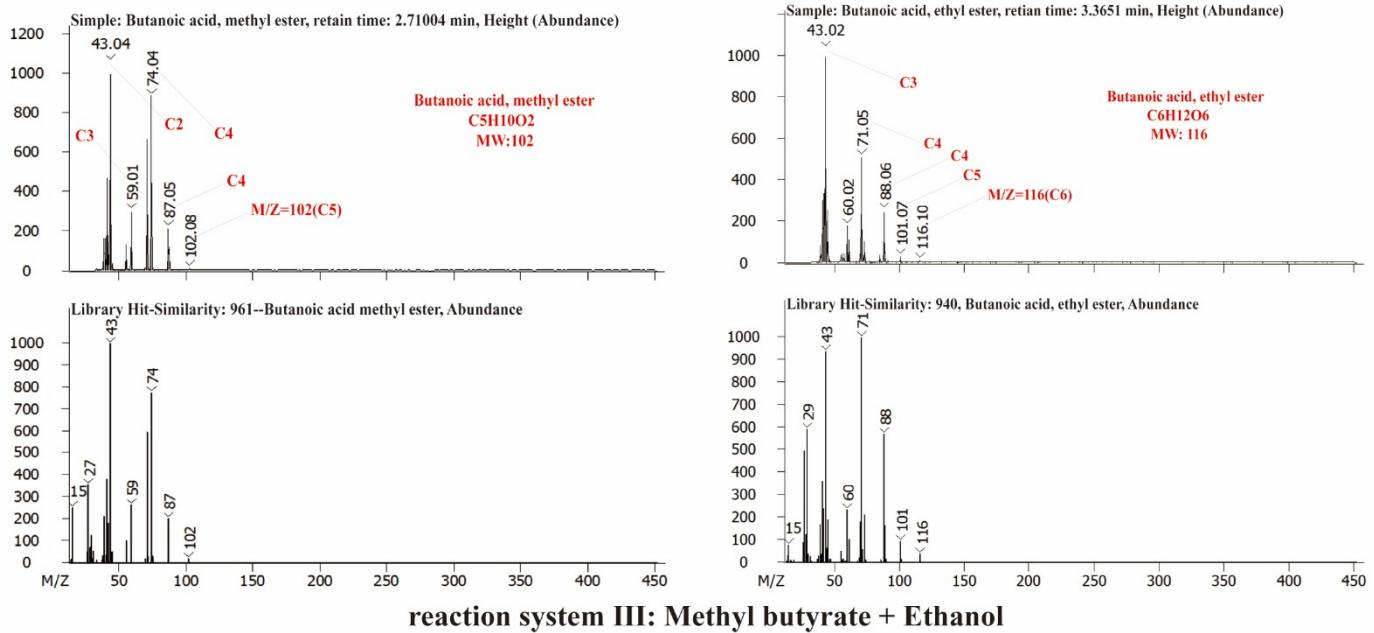
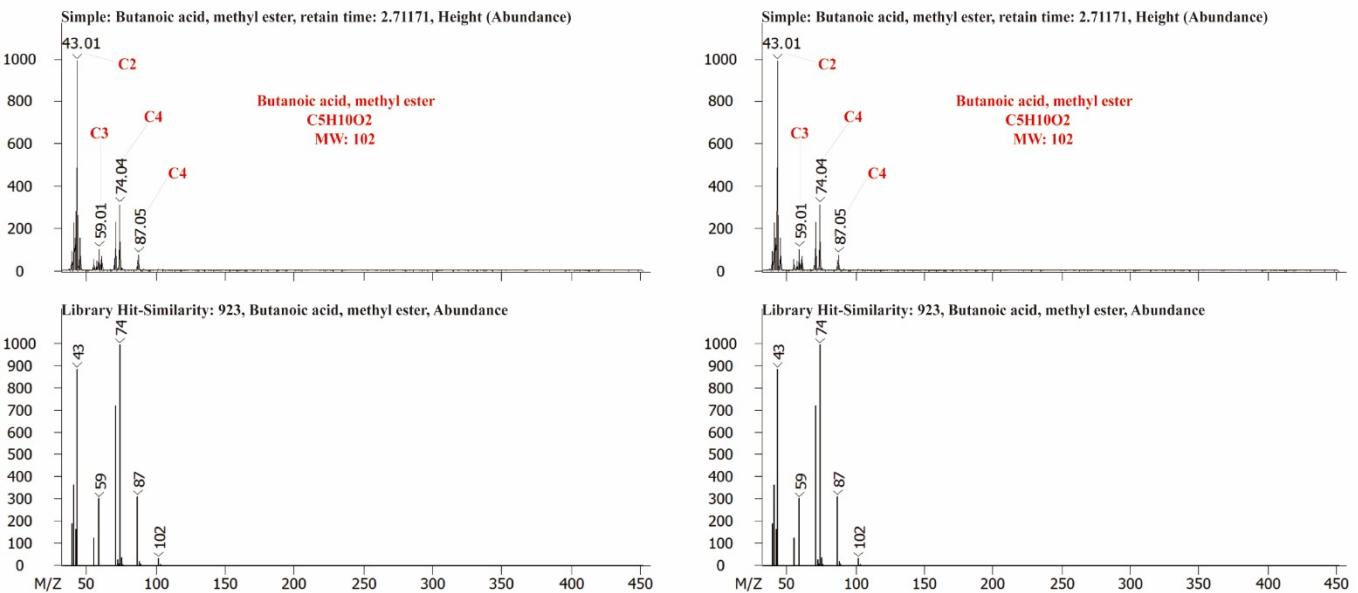
C**D**

Table S1. Molar conversion rate of transesterification reaction

Time (hrs)	Molar conversion rate (%)			
	Tributyrin+Methano	Tributyrin+ Ethanol	Methyl butyrate+Ethanol	Ethyl butyrate+Methanol
	1			
12 h	8.17	5.7	0.31	0.18
24 h	10.03	7.63	0.34	0.19
36 h	12.6	10.43	0.37	0.5
48 h	15.44	13.02	0.38	0.56
60 h	19.42	15.66	0.42	0.59
72 h	23.32	18.1	0.46	0.62