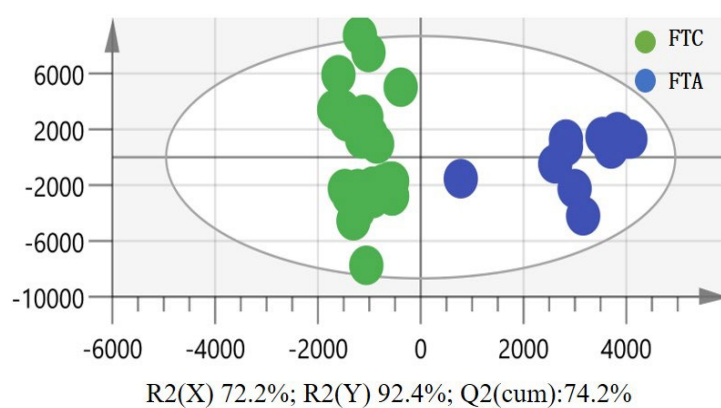


(A)



(B)

Figure S1. (A) OPLS-DA score plots based on positive AFAIDESI-MSI data from FTC and FTA.; (B) OPLS-DA score plots based on negative AFAI-MSI data from FTC and FTA.

Supplementary Table S1. The discriminated meatbolites between FTA and FTC.

Peak (<i>m/z</i>)	Formula	Identification	Ion type
758.5623	C ₄₂ H ₈₀ NO ₈ P	PC(34:2)	[M+H] ⁺
780.5435	C ₄₂ H ₈₀ NO ₈ P	PC(34:2)	[M+Na] ⁺
782.5669	C ₄₂ H ₈₂ NO ₈ P	PC(34:1)	[M+Na] ⁺
784.5823	C ₄₂ H ₈₄ NO ₈ P	PC(34:0)	[M+Na] ⁺
786.5993	C ₄₄ H ₈₄ NO ₈ P	PC(36:2)	[M+H] ⁺
804.5503	C ₄₆ H ₇₈ NO ₈ P	PC(38:7)	[M+H] ⁺
806.5620	C ₄₄ H ₈₂ NO ₈ P	PC(36:3)	[M+Na] ⁺
808.581	C ₄₄ H ₈₄ NO ₈ P	PC(36:2)	[M+Na] ⁺
96.9677	H ₃ PO ₄	Phosphoric acid	[M-H] ⁻
309.2038	C ₂₀ H ₃₈ O ₂	FA(20:1)	[M-H] ⁻
283.2638	C ₁₈ H ₃₆ O ₂	FA(18:0)	[M-H] ⁻
255.2321	C ₁₆ H ₃₂ O ₂	FA(16:0)	[M-H] ⁻
329.2383	C ₁₈ H ₃₄ O ₅	9,10,13-TriHOME	[M-H] ⁻
311.2195	C ₁₈ H ₃₂ O ₄	9,10-DiHODE	[M-H] ⁻
215.0308	C ₆ H ₁₂ O ₆	Glucose	[M+Cl] ⁻
281.2457	C ₁₈ H ₃₄ O ₂	FA(18:1)	[M-H] ⁻
279.2291	C ₁₈ H ₃₂ O ₂	FA(18:2)	[M-H] ⁻
121.0279	C ₇ H ₆ O ₂	Hydroxybenzaldehyde	[M-H] ⁻
327.2345	C ₂₂ H ₃₂ O ₂	FA(22:6)	[M-H] ⁻
293.2008	C ₁₈ H ₃₀ O ₃	11-oxo-(7E,9E)-octadecadienoic acid	[M-H] ⁻