Supplemental File 7

1mL of 50% methanol → 100ul of supernatant for Coenzymes, LC/MS

→ 200ul of supernatant for free Amino acids, GC/MS

→ 600ul of supernatant for metabolic profiling, GC/MS

Centrifuged at 15000g

800ul of methanol:chloroform (1:2)

Centrifuged at 15000g

400ul of supernatant for free fatty acids, GC/MS

400ul of supernatant for total fatty acids, GC/MS → Saponification for fatty acid analysis