



**SUPPLEMENTARY FIG. S2.** Chromatograms of metabolites in sample. (A) NAD<sup>+</sup>; (B) NAAD; (C) NADH; (D) ADPR; (E) NA; (F) NAMN; (G) NAM; (H) d4-NAM; (I) MeNAM; (J) NMN; (K) NADP<sup>+</sup>; (L) NADPH.