Supplementary

Fig. 1 Predicted TG concentration of PLS-KS model based on FTIR-ATR spectra versus the reference TG concentration

Fig. 2 Predicted TG concentration of PLS-SPXY model based on FTIR-ATR spectra versus the reference TG concentration

Fig. 3 Predicted HDL-C concentration of PLS-KS model based on FTIR-ATR spectra versus the reference HDL-C concentration
Fig. 4 Predicted HDL-C concentration of PLS-SPXY model based on FTIR-ATR spectra versus the reference HDL-C concentration

Fig. 5 Predicted TG concentration of PLS-KS model based on FT-Raman spectra versus the reference TG concentration

Fig. 6 Predicted TG concentration of PLS-SPXY model based on FT-Raman spectra versus the reference TG concentration
Fig. 7 Predicted HDL-C concentration of PLS-KS model based on FT-Raman spectra versus the reference HDL-C concentration

Fig. 8 Predicted HDL-C concentration of PLS-SPXY model based on FT-Raman spectra versus the reference HDL-C concentration