

Figure S1. Model adequacy diagnostic plots for total phenolic contents (TPC): normal probability plot of residuals (a), a plot of residuals against fitted values (b), plot of residuals against observation order (c), and plot of outlier against TPC values (d).

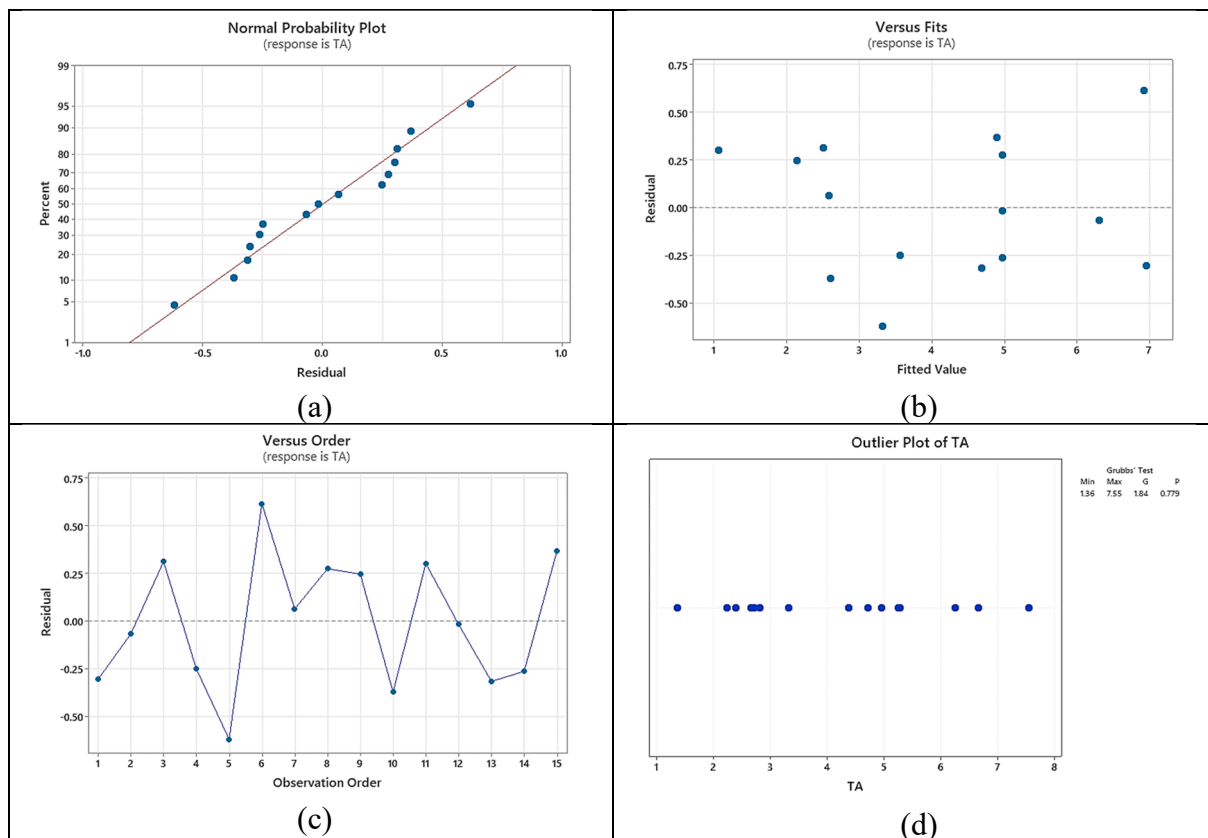


Figure S2. Model adequacy diagnostic plots for total antioxidant (AA): normal probability plot of residuals (a), a plot of residuals against fitted values (b), plot of residuals against run order (c), and plot of outlier against AA values (d).

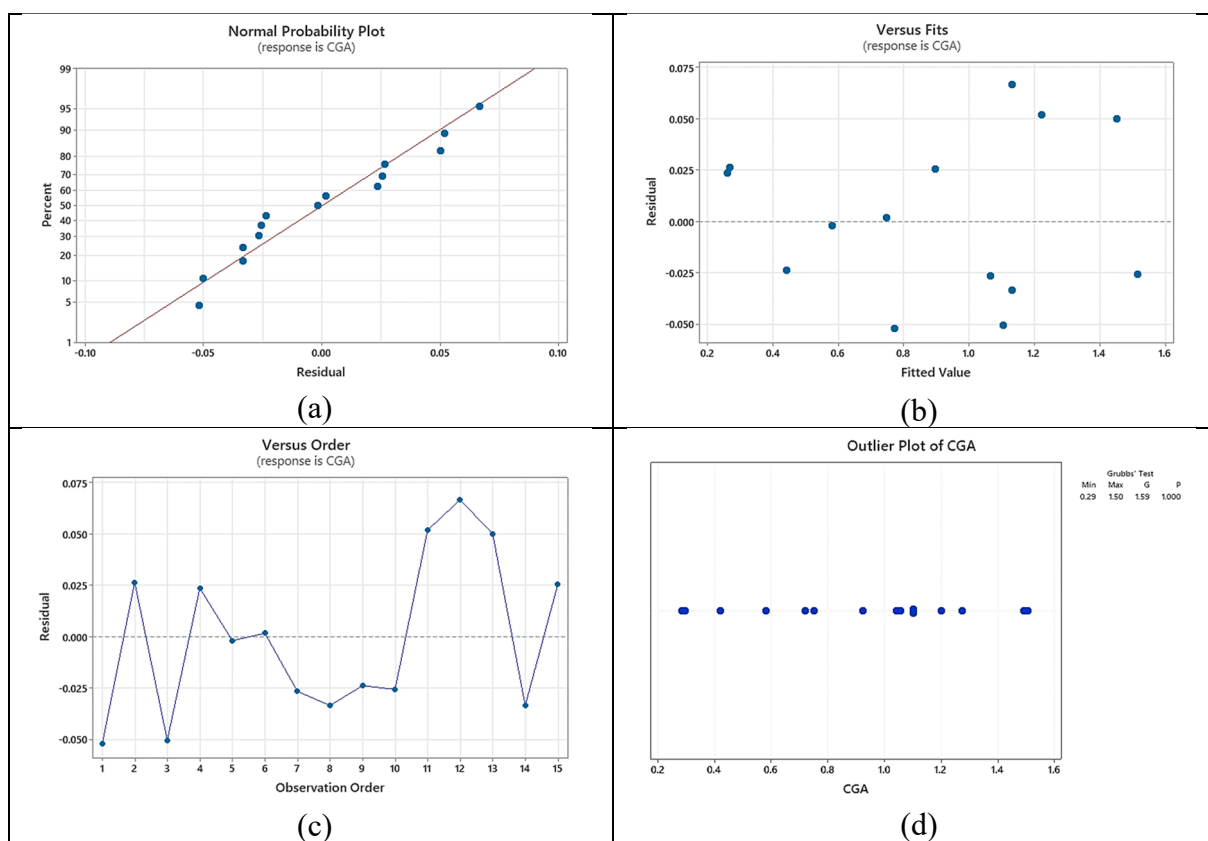
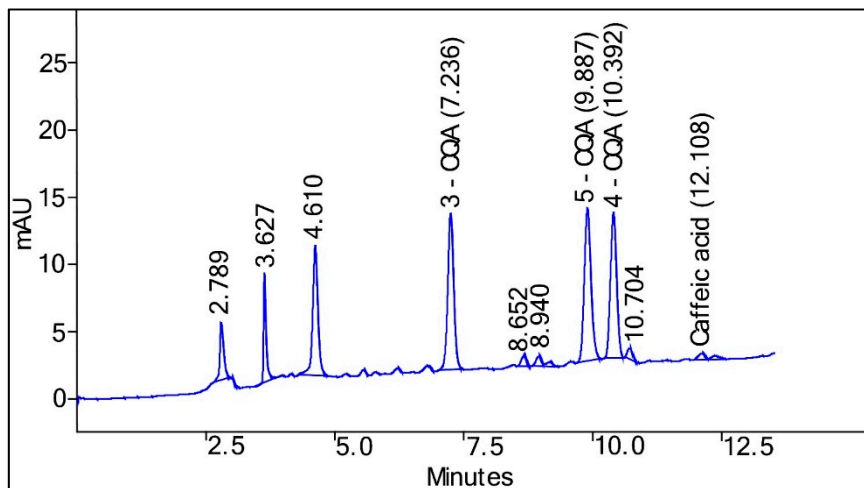


Figure S3. Model adequacy diagnostic plots for total chlorogenic acids (T-CQA): normal probability plot of residuals (a), a plot of residuals against fitted values (b), plot of residuals against run order (c), and plot of outlier against T-CQA values (d).



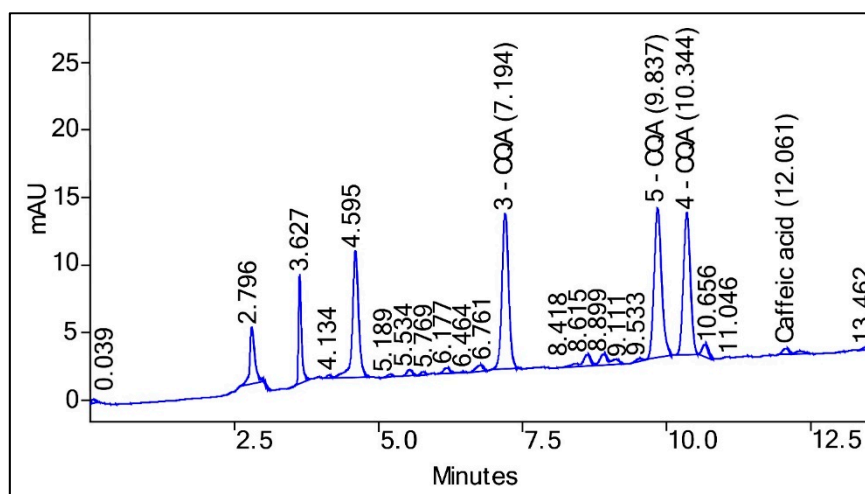


Figure S4. An example of chromatograms of 3, 4, and 5-CQA in the CS extract obtained from the optimum condition [147.9°C, 10 min, and 1:10 (s/L ratio)]