

Figure S1. The data utilized in this study: Raw (a) of diabetes and (b) non-diabetes attributed to urine samples, as well as their respective pre-processed (c-d) data. The dataset is acquired using ATR-FTIR spectroscopy for both samples. Pre-processing is performed using Savitzky-Golay filter, smoothing (window 11, polynomial fitting order 2, derive=0) applied for baseline correction, following normalization and mean-center.

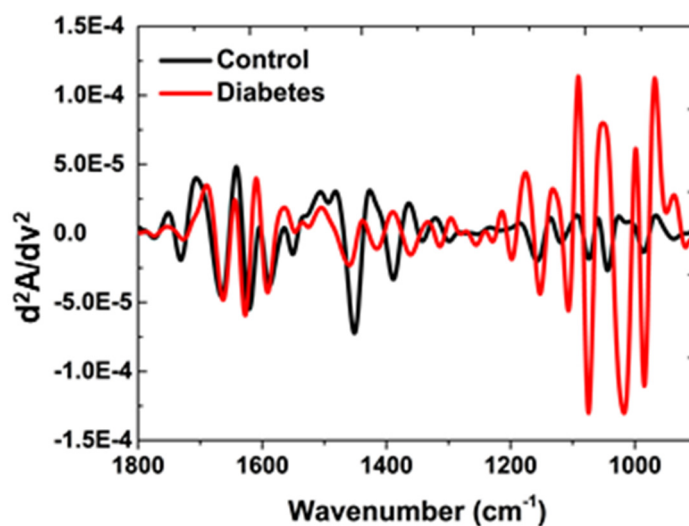


Figure S2. The second derivative plots of absorbance (A) for identification of spectral biomarkers in urine using Savitzky-Golay filter smoothing (window 11, polynomial fitting order 2, derive=2).