

Supplemental Information

Multivariate Calibration Approaches for Measurement of Elemental Concentration of Aerosols

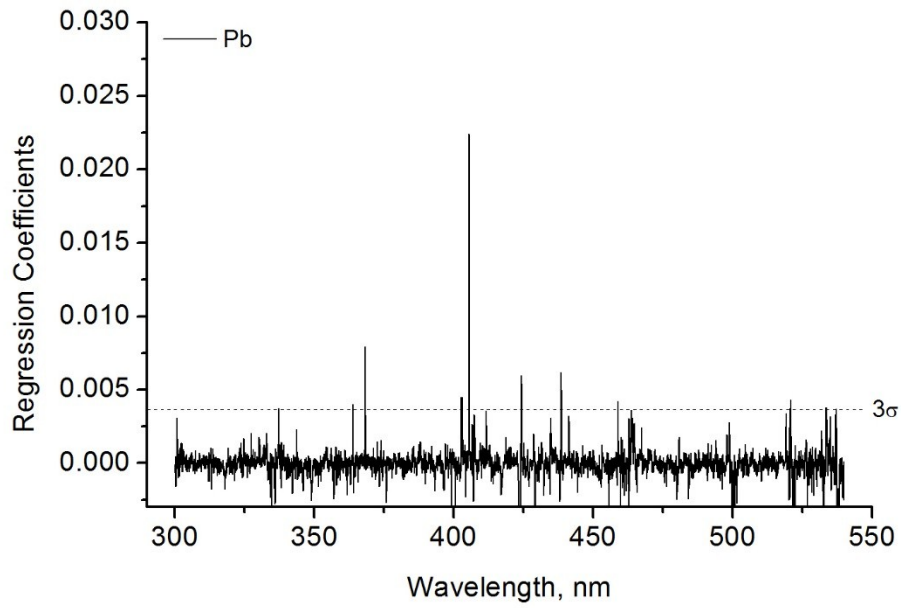
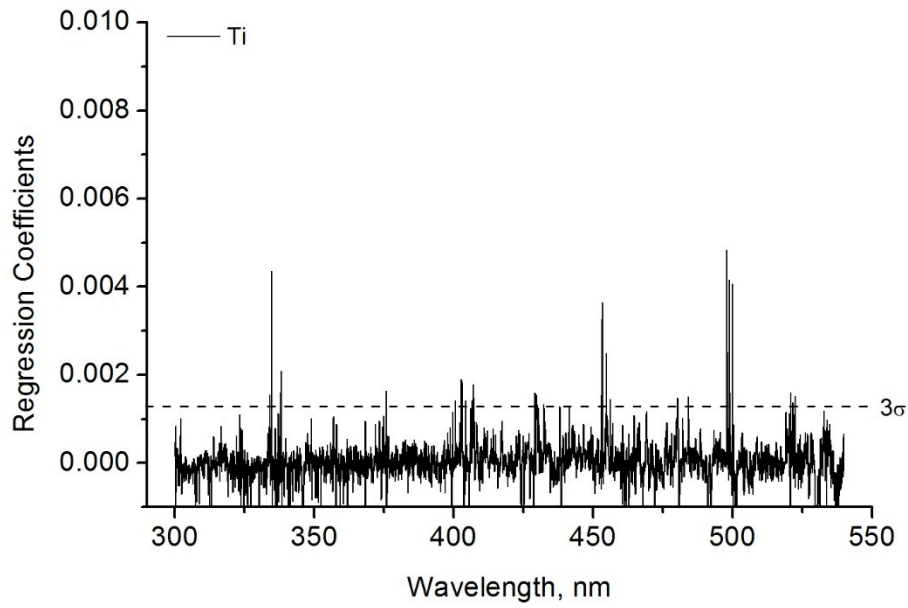
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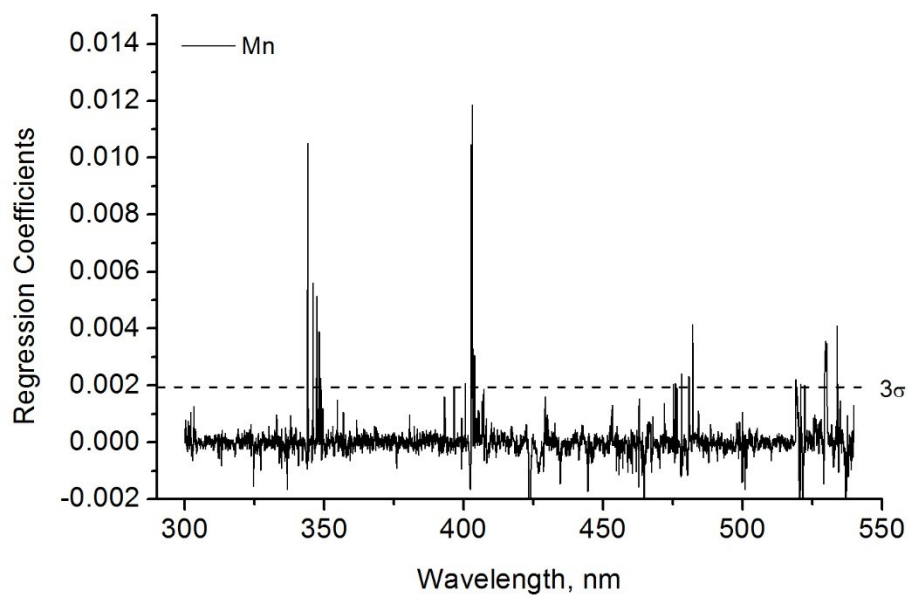
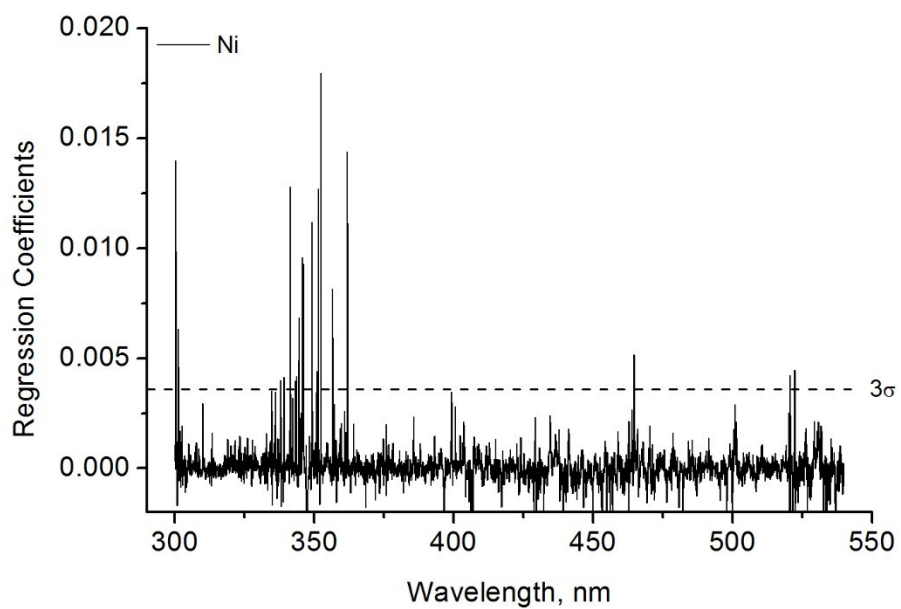
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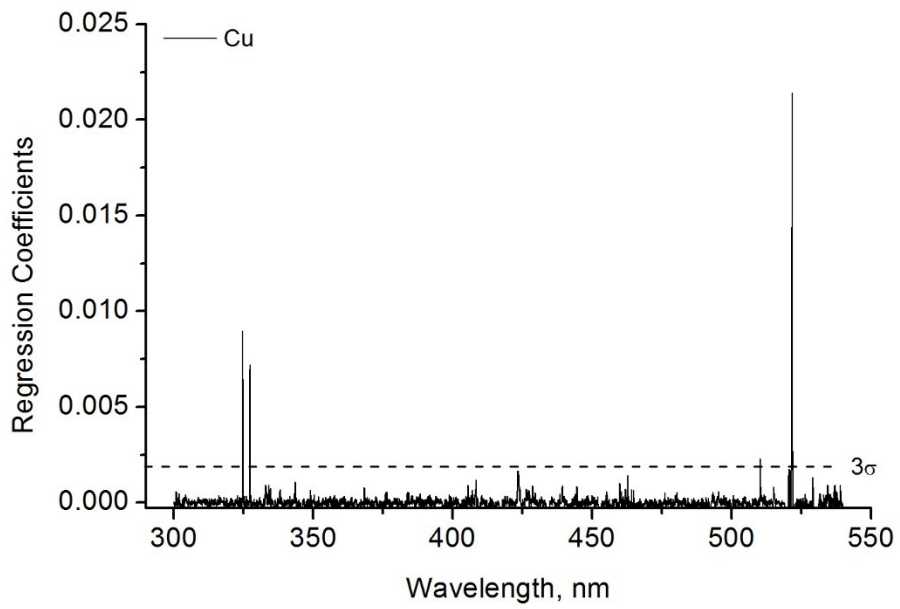
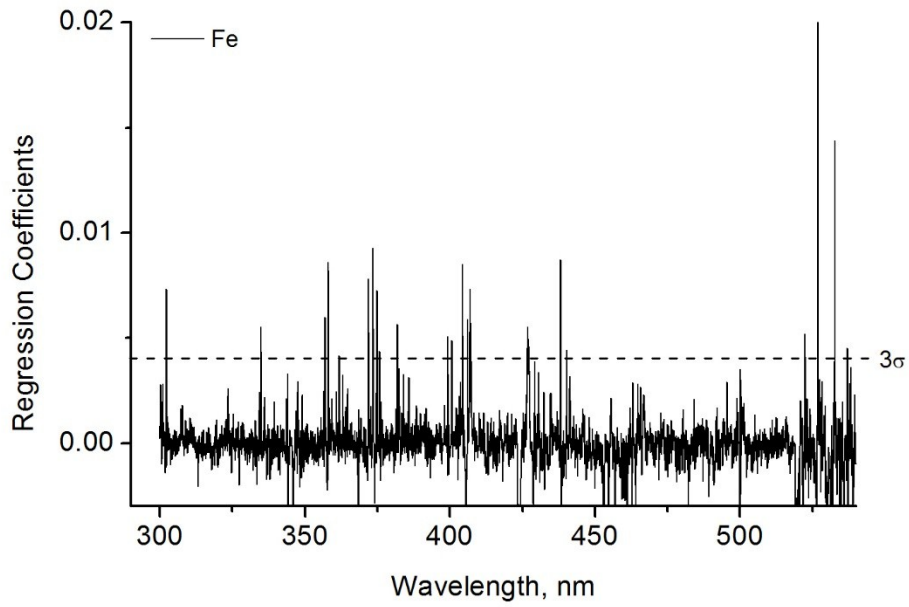
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S1. Plots of PLS regression coefficients for each element







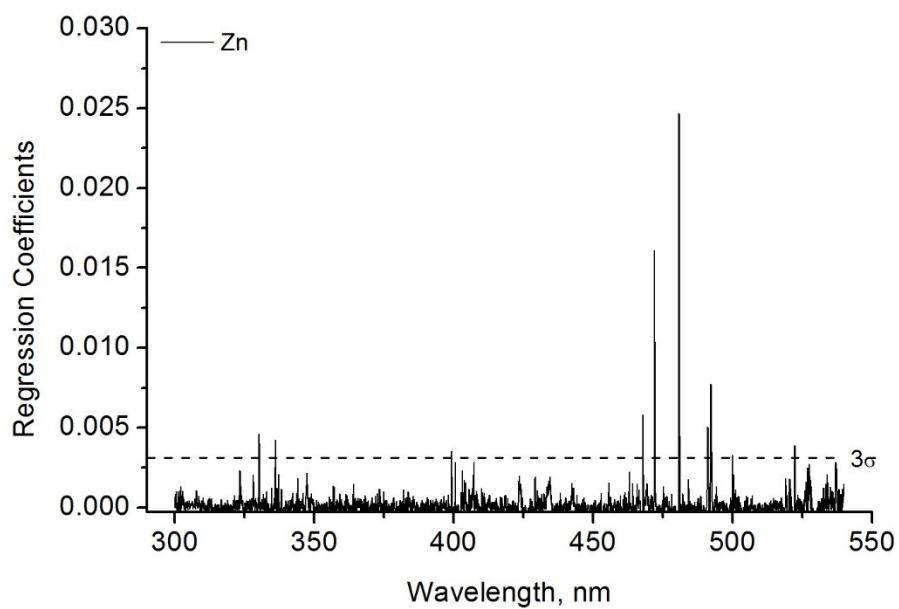
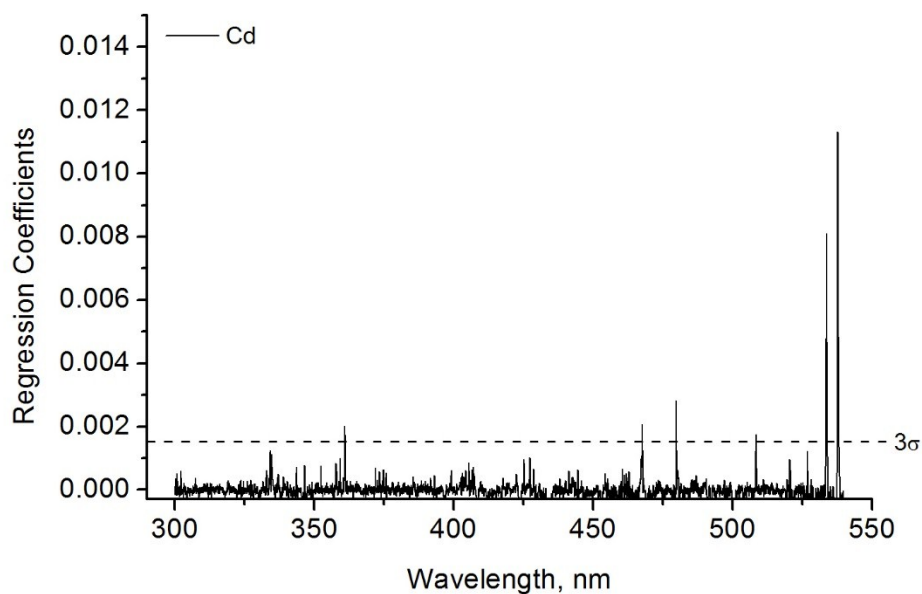


Fig. S1 PLS Regression coefficients for Mn, Fe, Ni, Cu, Zn, Cd, Pb, and Ti, by analysis of the full range spectra (300 – 540 nm)

S2. Univariate calibration curves

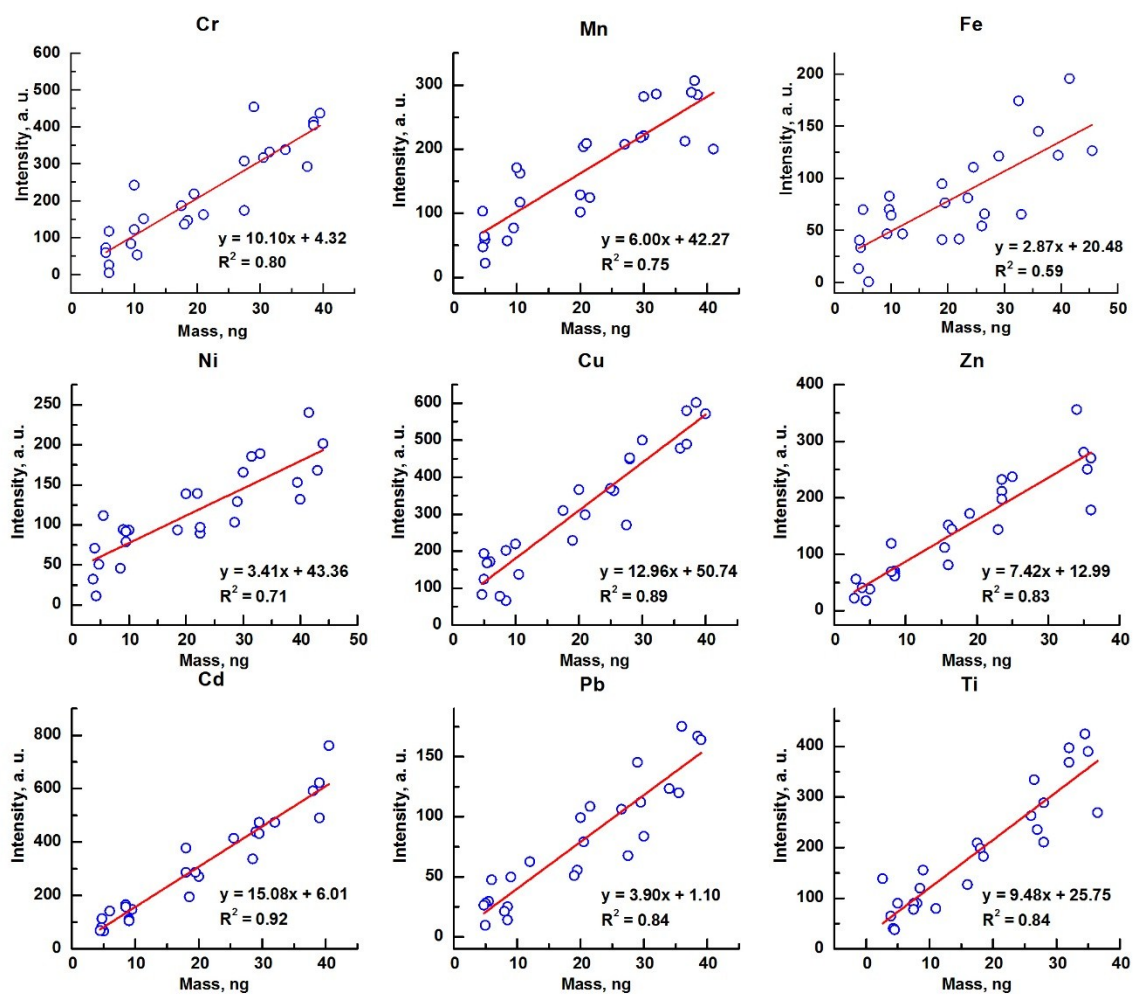


Fig. S2 Univariate calibration curves for all the nine elements constructed using the 25 multielement samples in the training set.