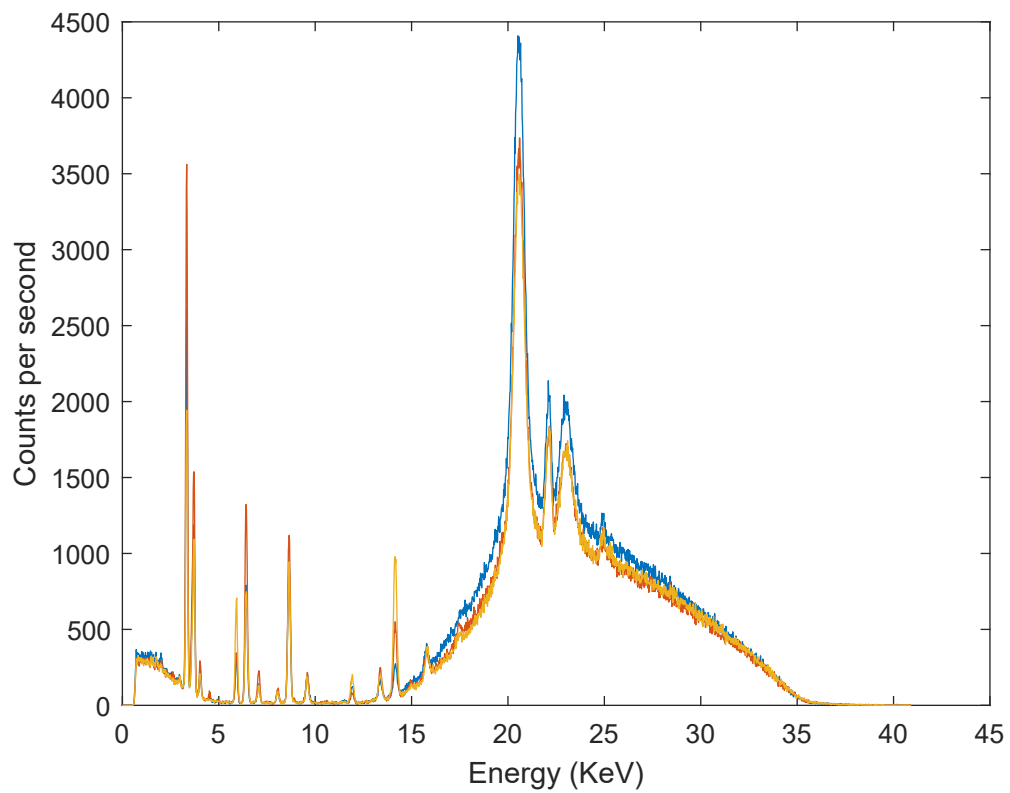
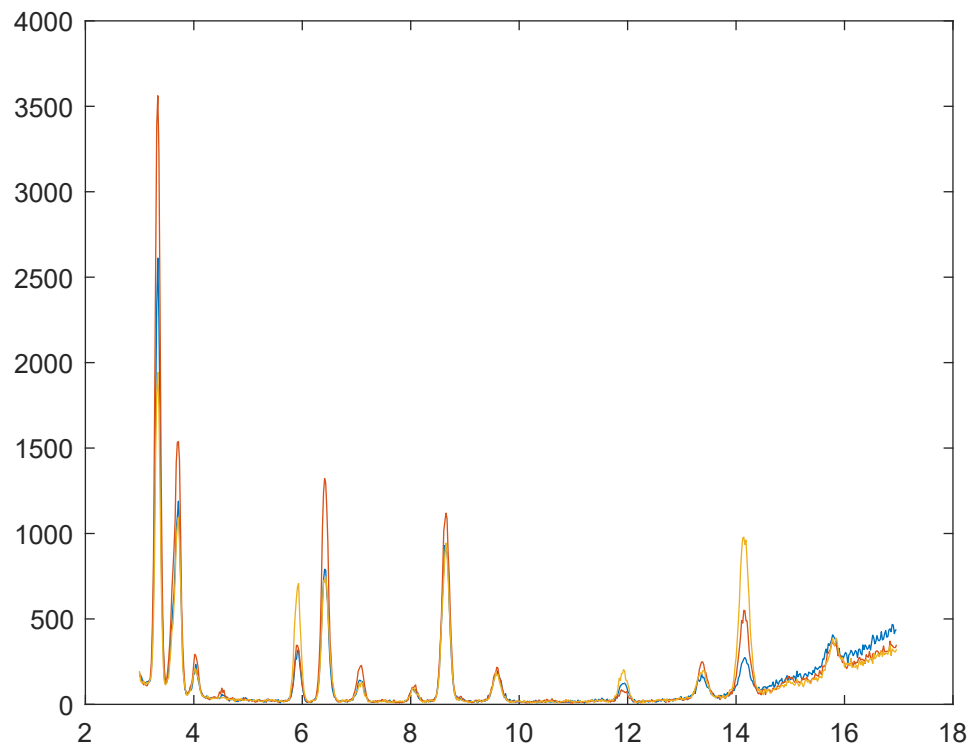


Supplemental Information

SI 1. Raw XRF spectra of 3 example ash samples. One sample was randomly selected from each class for presentation



Raw XRF spectra of just the ~4 KeV to ~17 KeV range used in this study. The differences in the spectra among the three classes is more visible



SI 2 Raw LIBS spectra of three differently colored red glasses used in this study.

