

Figure 1: EDX spectra with associated μ XRF map exported from data collected by the Bruker M4 Tornado. (a) Micro-XRF map of a billet cut from the Sado sample (see main manuscript text for details). (b) EDX sum spectrum that represents the total integration of all pixels (~ 1.5 million) in the μ XRF map. (c) Same spectrum as in (b), but with peaks that represent elements (and not sum peaks, diffraction peaks, or scattering peaks) labeled. Any portion of the spectrum can be chosen to be represented in an X-ray intensity map.

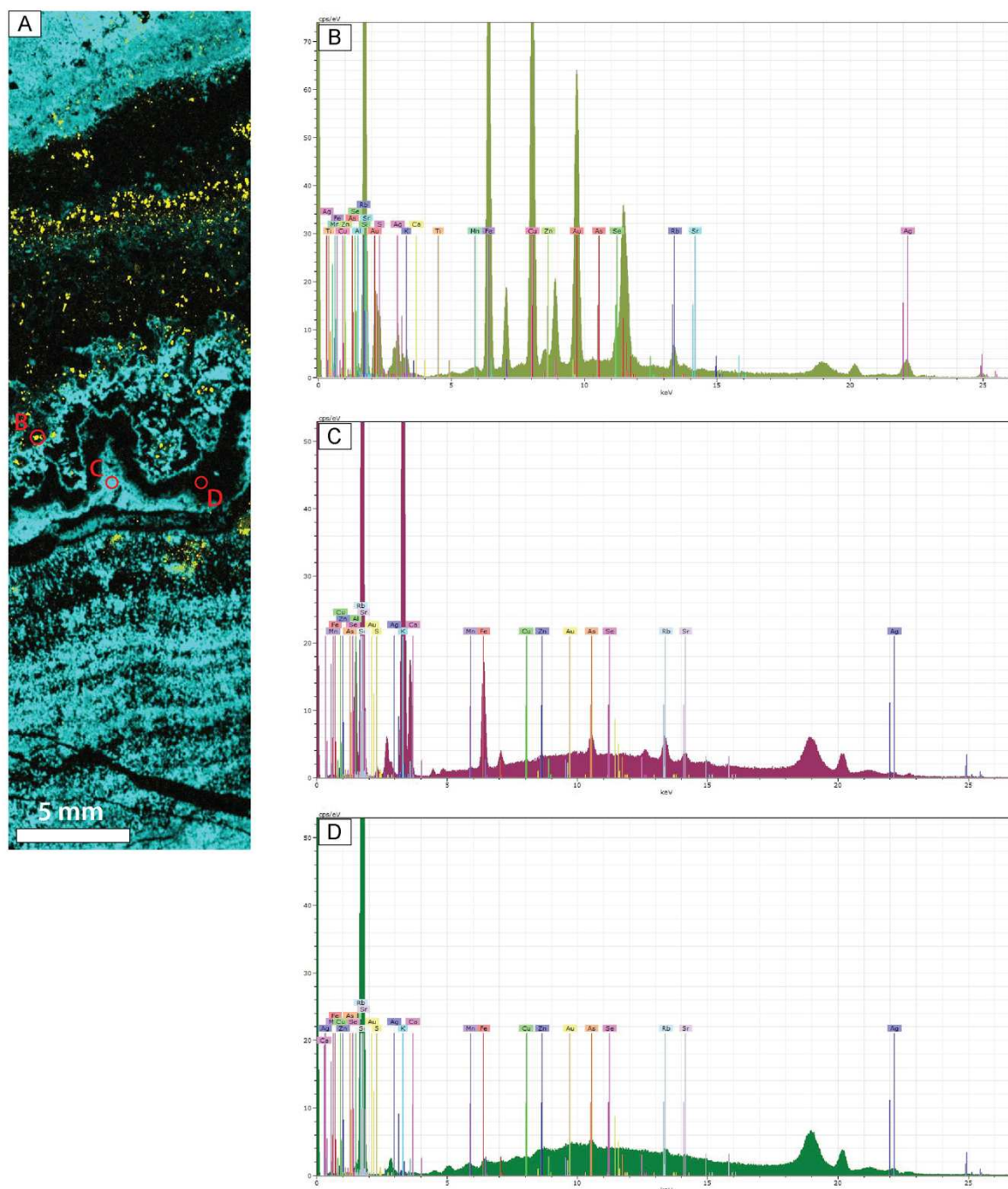


Figure 2: Spot EDX spectra with associated μ XRF map collected by the Bruker M4 Tornado. (a) Micro-XRF map of a billet cut from the Sado sample showing K (blue) and Au (yellow; see main manuscript text for details). (b) Example sum spectra extracted from a Au-rich area. (c) Example sum spectra extracted from an area that is K-rich and Au-poor. (d) Example sum spectra from an area that does not contain K or Au.