FIGURE A1. Kernel density plot of N (ppm) between **a)** abraded and **b)** non-abraded diamonds, and **c)** Bayesian Information Criteria vs component plot showing a 21 component mixture as the most appropriate number of nitrogen populations of the FMM.
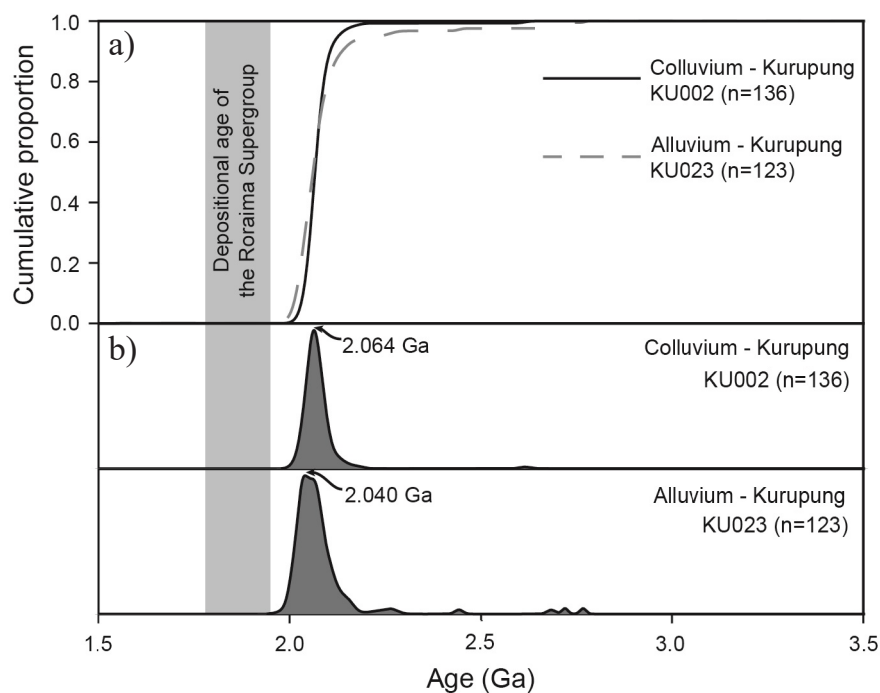
FIGURE A2. Detrital zircon U-Pb age distributions plotted as **a**) cumulative and **b**) relative probability density plots (Sharman et al. 2018). Vertical gray bar indicates the depositional age range of the Roraima Supergroup. Peak ages are labeled.