



Figure D: Calibration lines for Ca with the '20 Cu' method (figure D.a) and with the '18 Fe' method (figure D.b).

*Diamonds with black edges correspond to the 11 standards used to build the calibration line. Diamonds without an edge line correspond to the samples used for checking the calculated calibration line, and blue diamonds to standards or samples for which the average of their eight measurements falls within  $\pm 2\sigma$  around the calibration curve. The red diamonds correspond to standards or samples for which the average of their eight measurements falls outside the  $\pm 2\sigma$  interval around the calibration curve. The red diamonds in  $2\sigma$  correspond to samples with a  $>1\%$  Ca content.*