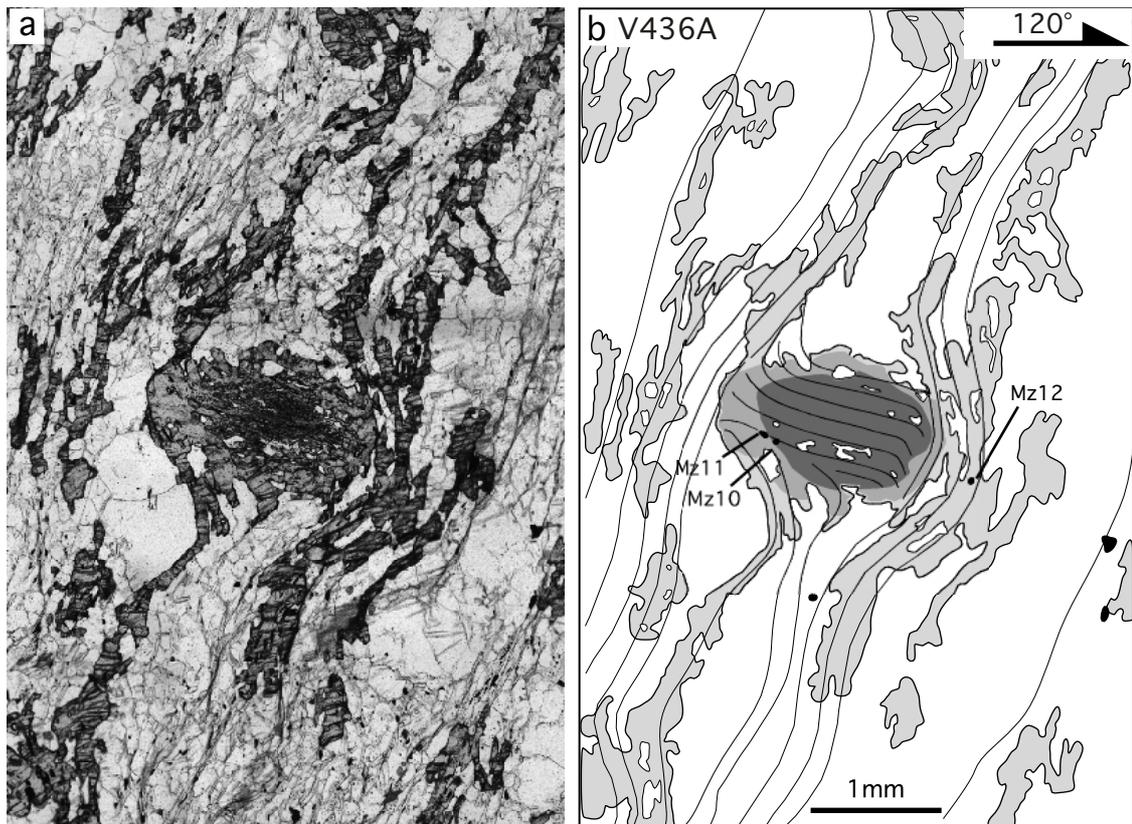
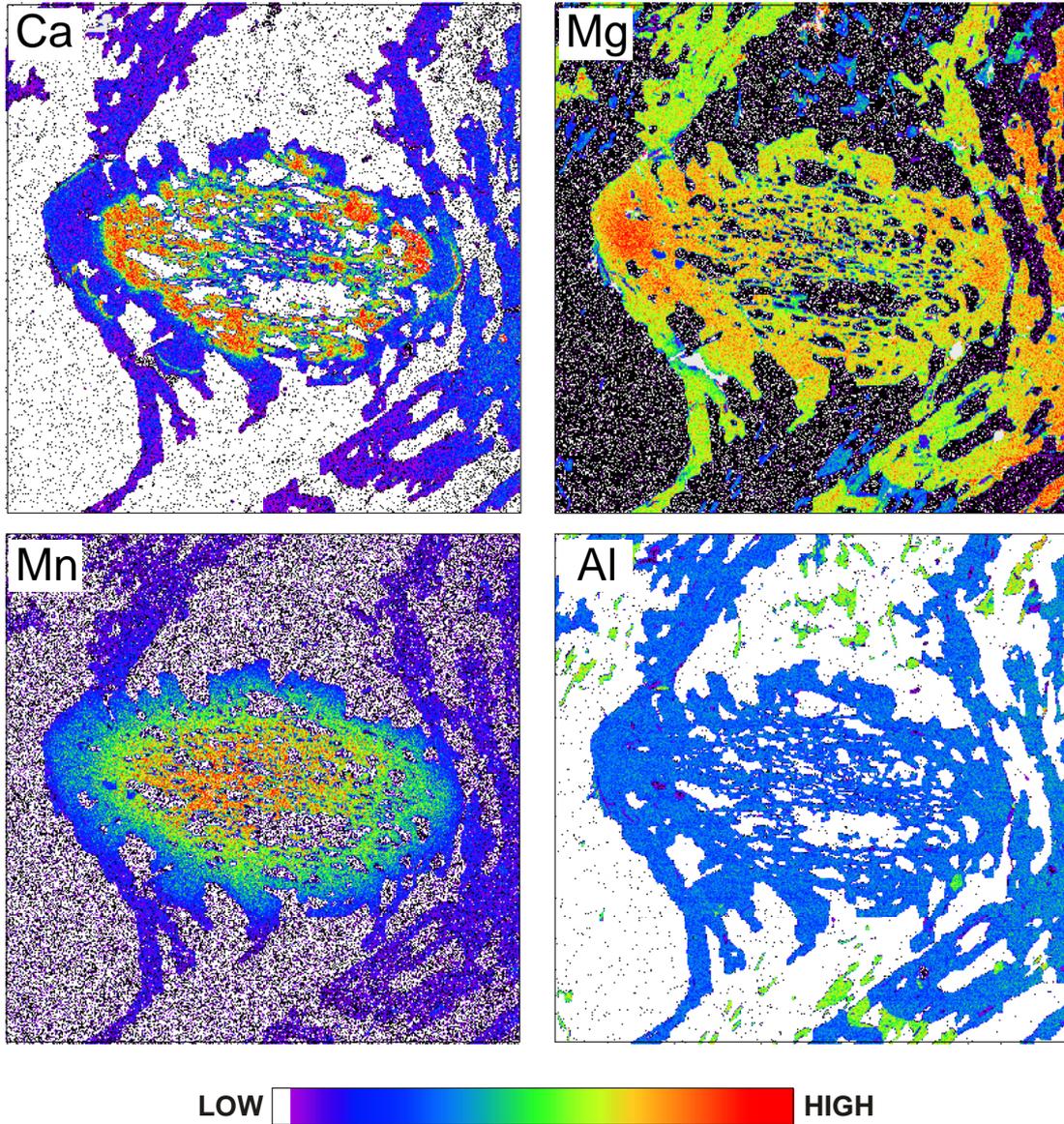


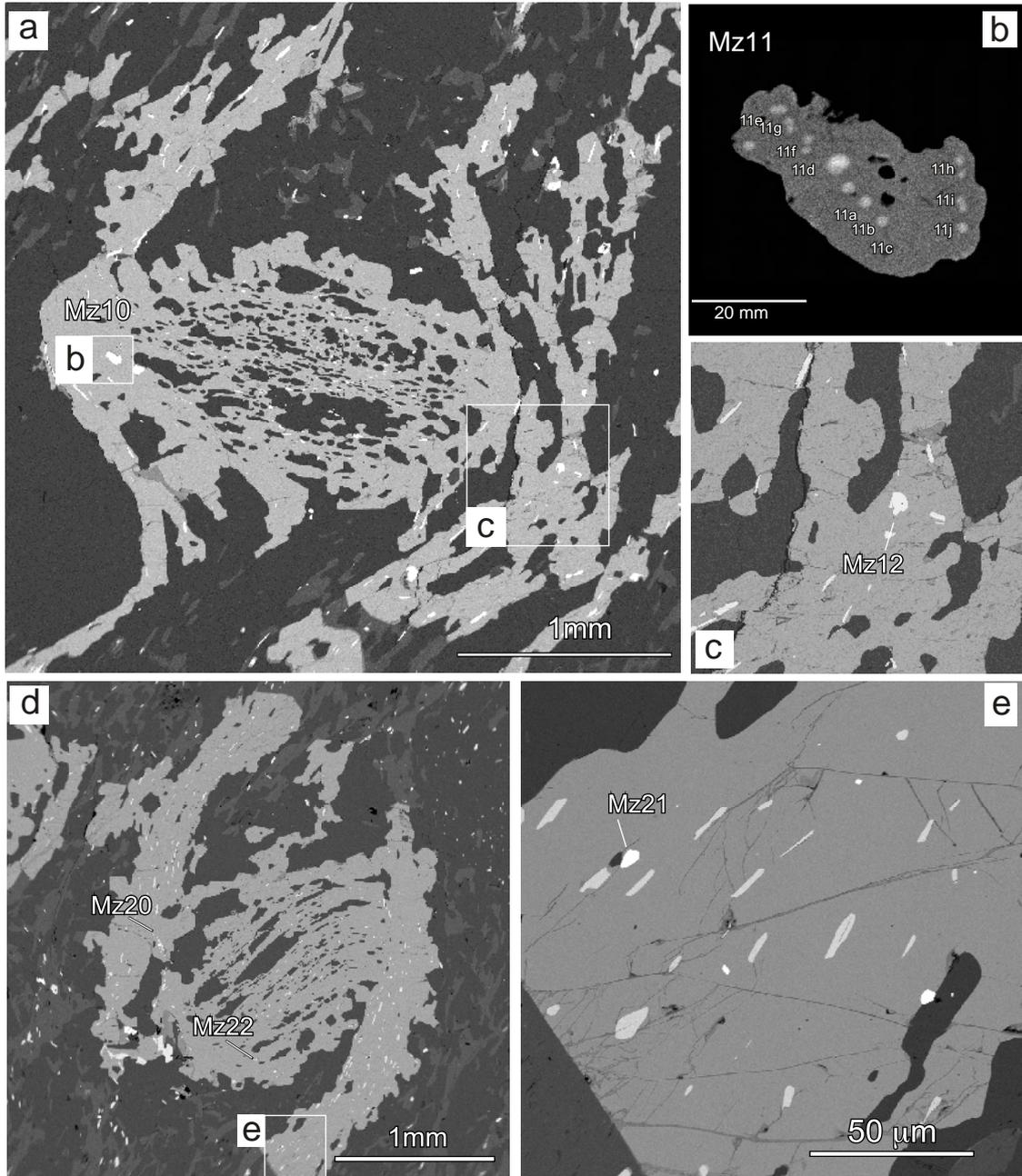
**Figure 6.** Back scattered electron images showing location of monazite grains dated (ages given in table 2). (b) and (c) show details of boxed area in (a) regarding the location of grain Mz36. This grain lies on the boundary between the curved core foliation where stage 3 differentiation has occurred and the stage 4 differentiated crenulation cleavage.



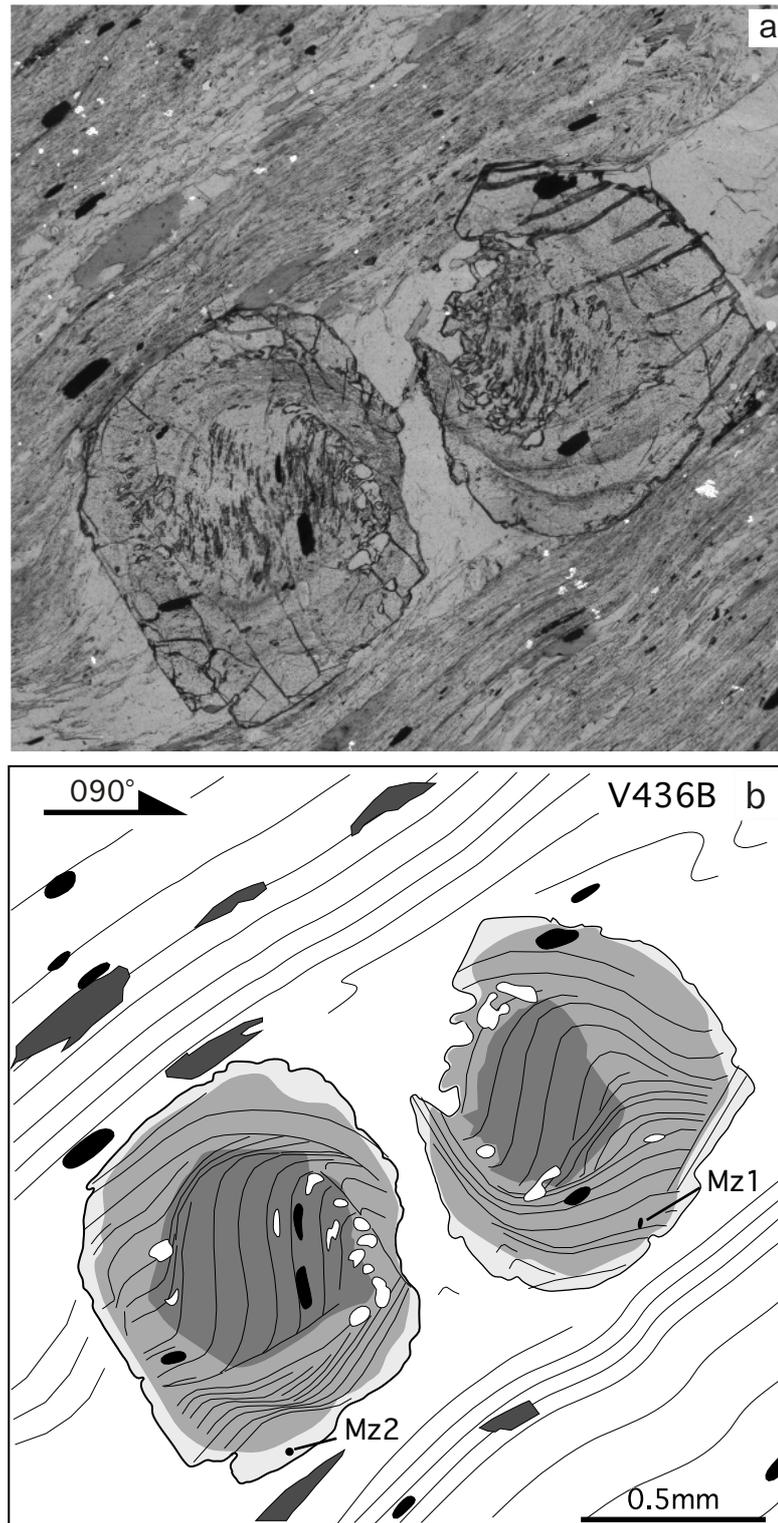
**Figure 7.** Plane polarized light photograph (a), line diagram (b) and Mg, Ca, Mn and Al compositional zoning maps (c) of a garnet porphyroblast from Sample V436A in a vertical thin-section with its strike and way up (single barbed arrow) and scale bar shown in (b). The location of monazite grains within foliations preserved as inclusion trails in the cores and rims of garnet porphyroblasts and in the matrix are shown in (b). This sample contains FIA set 3 in the cores and FIA set 4 in the rims.



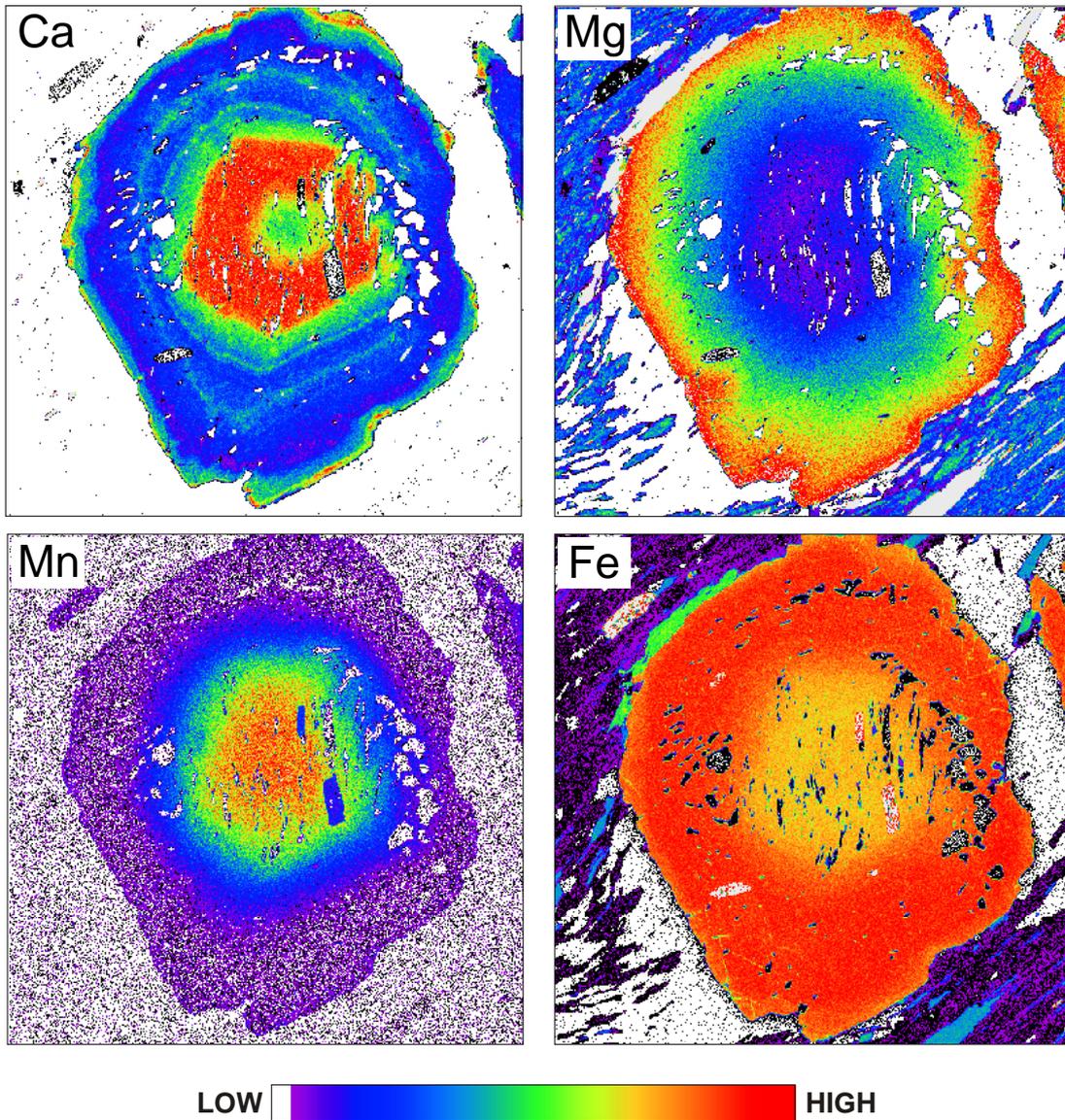
**Figure 7c.** X-ray compositional maps (Mg, Ca, Mn and Al) for the garnet porphyroblast from sample V436A. Colors represent relative concentrations.



**Figure 8.** Back scattered electron images showing garnet porphyroblast from fig. 7a, enlargement of a monazite grain (b) from within boxed area marked in (a) showing location of each analysis (analyses given in table 1), plus location of other monazite grains in this (c) and other (d and e) porphyroblasts.



**Figure 9.** Plane polarized light photograph (a), line diagram (the monazite grain Mz1 is too small to see in the photograph and so an ellipse with the same orientation is shown in this line diagram at its location) (b) and Mg, Ca, Mn and Al compositional zoning maps (c) of a garnet porphyroblast from Sample V436B in a vertical thin-section with its strike and way up (single barbed arrow) and scale bar shown in (b). The location of monazite grains within foliations preserved as inclusion trails in the median of the garnet porphyroblasts are shown in (b).



**Figure 9c.** X-ray compositional maps (Mg, Ca, Mn and Fe) for the garnet porphyroblast from sample V436B. Colors represent relative concentrations.