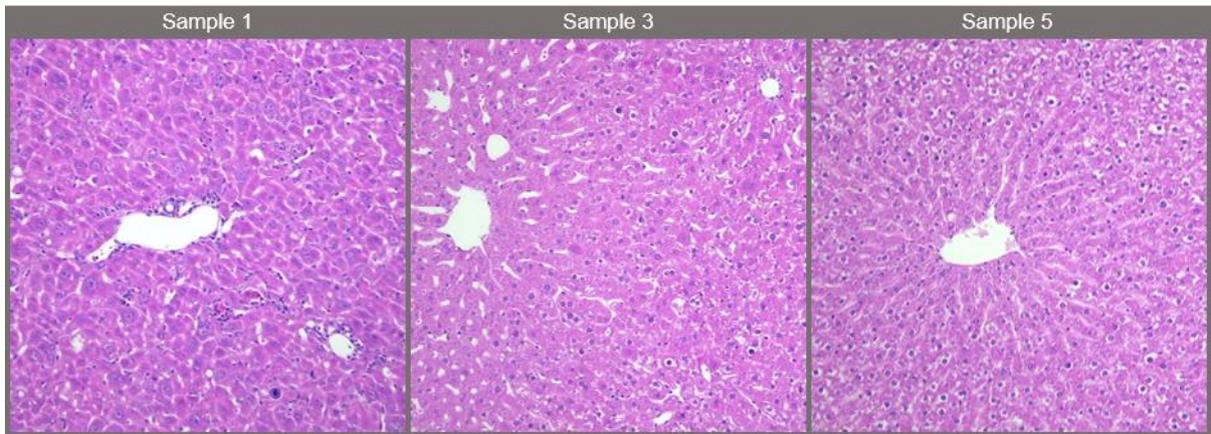


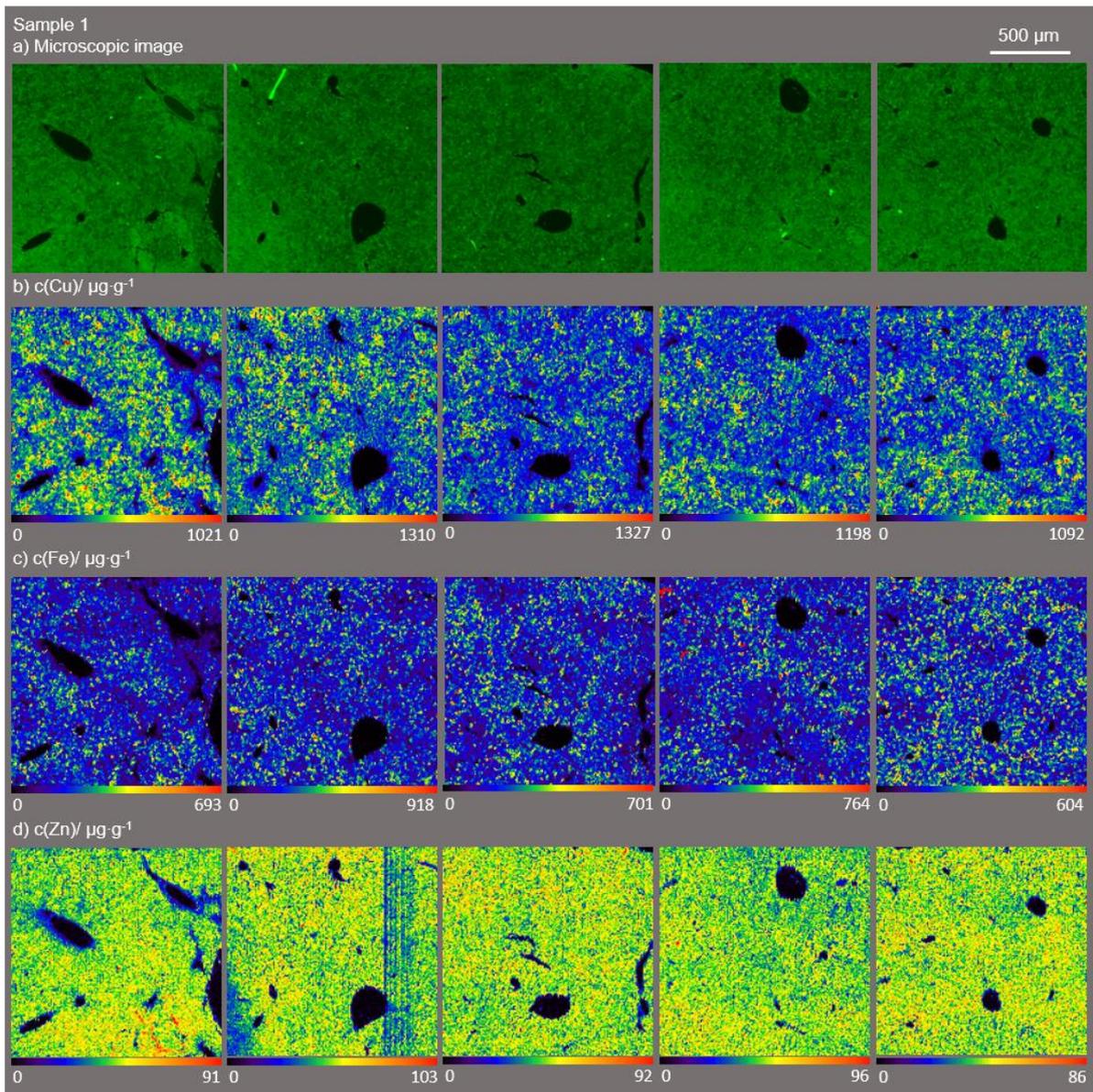
1 **7. Supplemental**



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3 Supplemental figure 1: Brightfield microscopic images of the HE stained liver tissue. As an example
4 stains from samples 1, 3, and 5 are shown. (Magnification 100x)

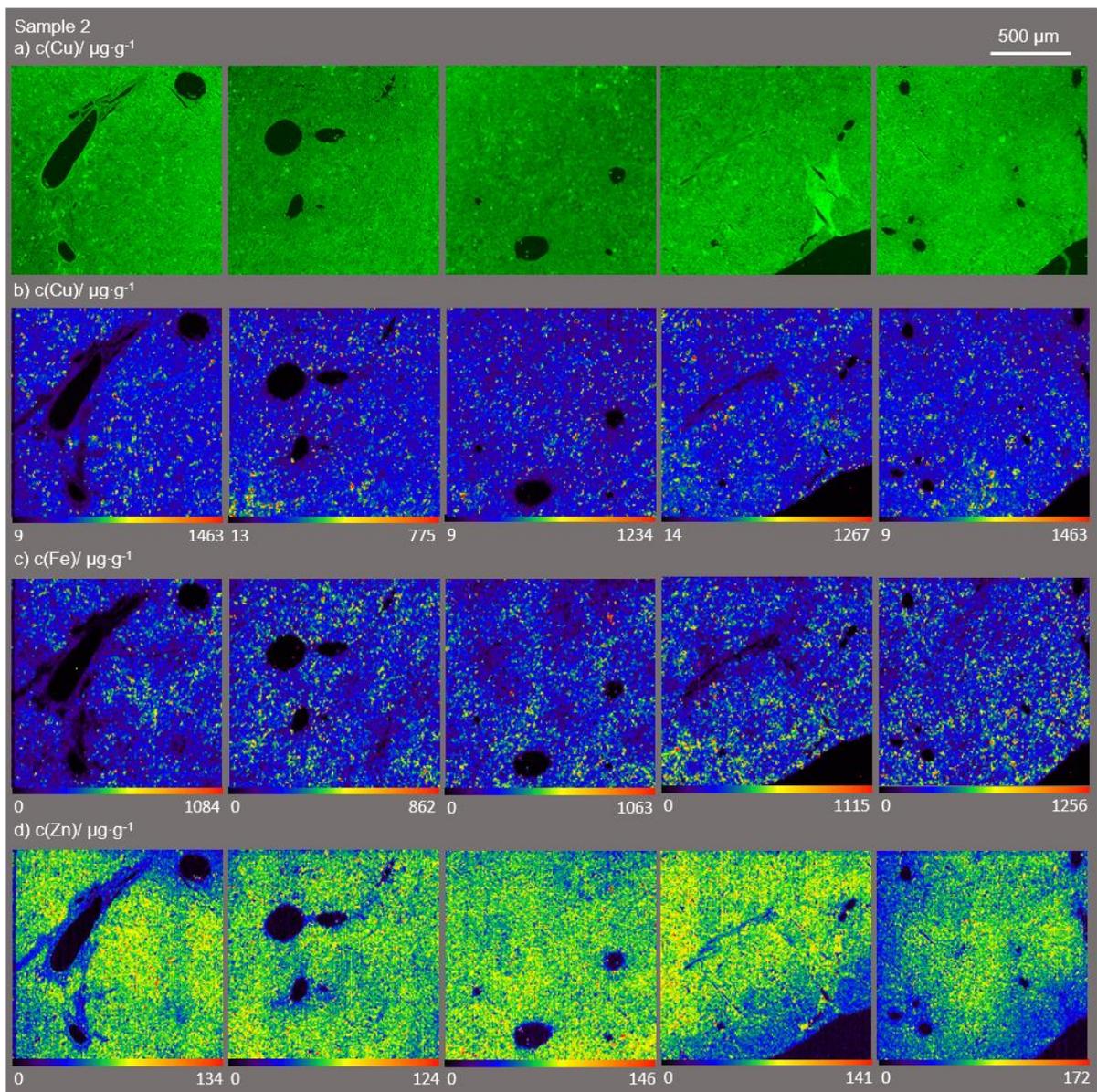
5



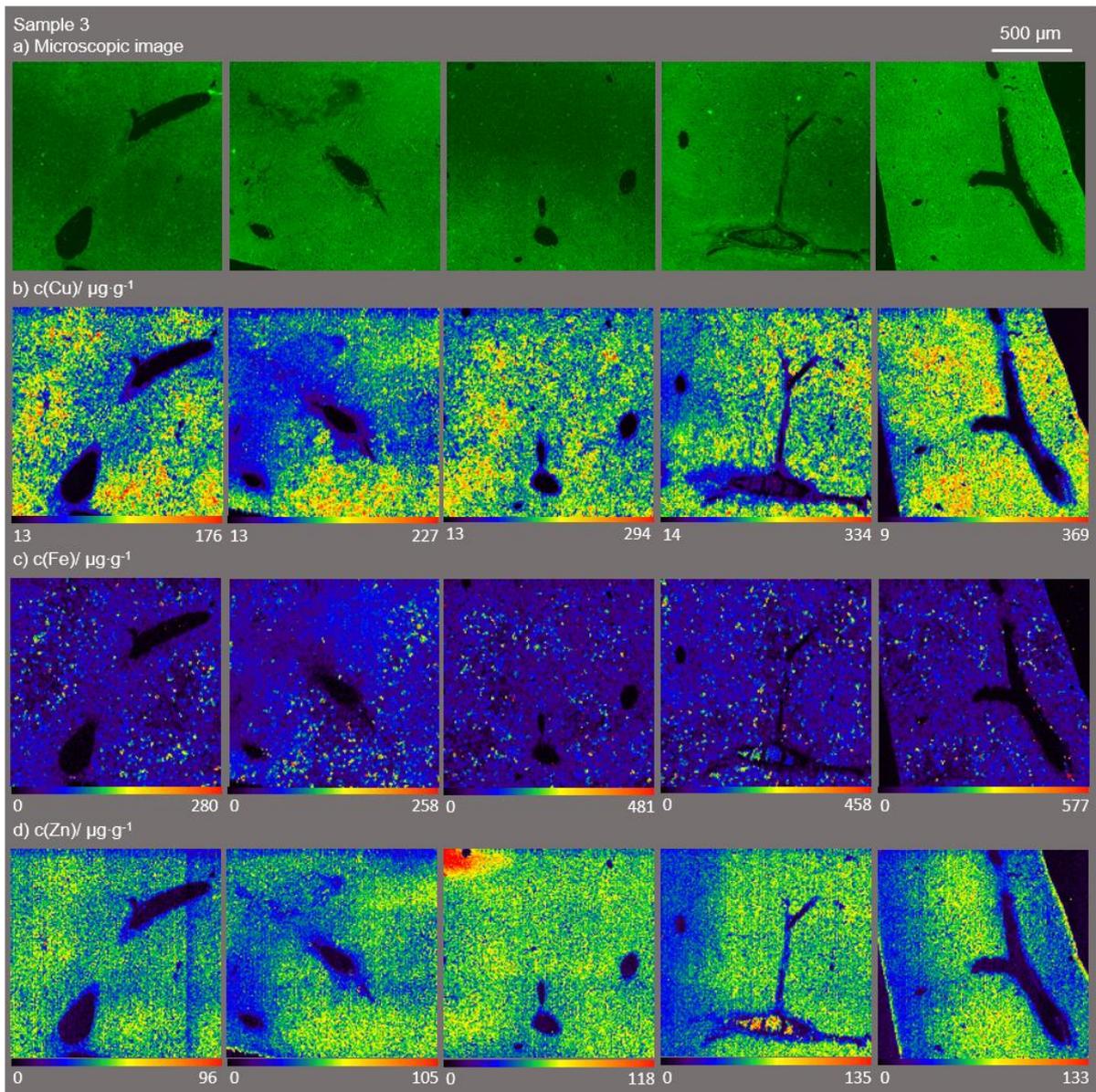
6

7 Supplemental figure 2: Autofluorescence microscopic images (a), quantitative distribution maps of

8 copper (b), iron (c), zinc (d) of the different areas of sample 1 investigated by means of LA-ICP-MS.



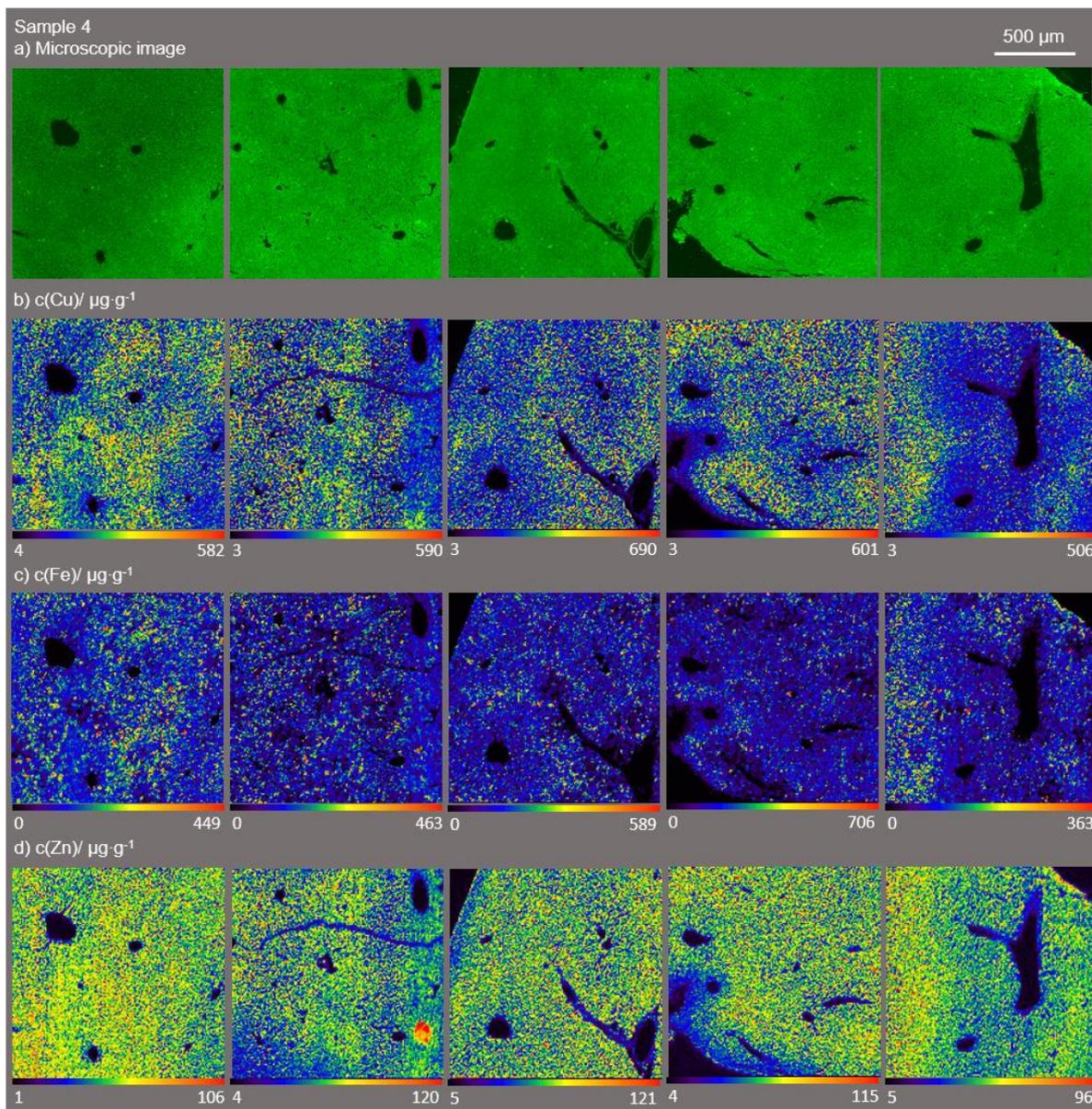
Supplemental figure 3: Autofluorescence microscopic images (a), quantitative distribution maps of copper (b), iron (c), zinc (d) of the different areas of sample 2 investigated by means of LA-ICP-MS.



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13 Supplemental figure 4: Autofluorescence microscopic images (a), quantitative distribution maps of

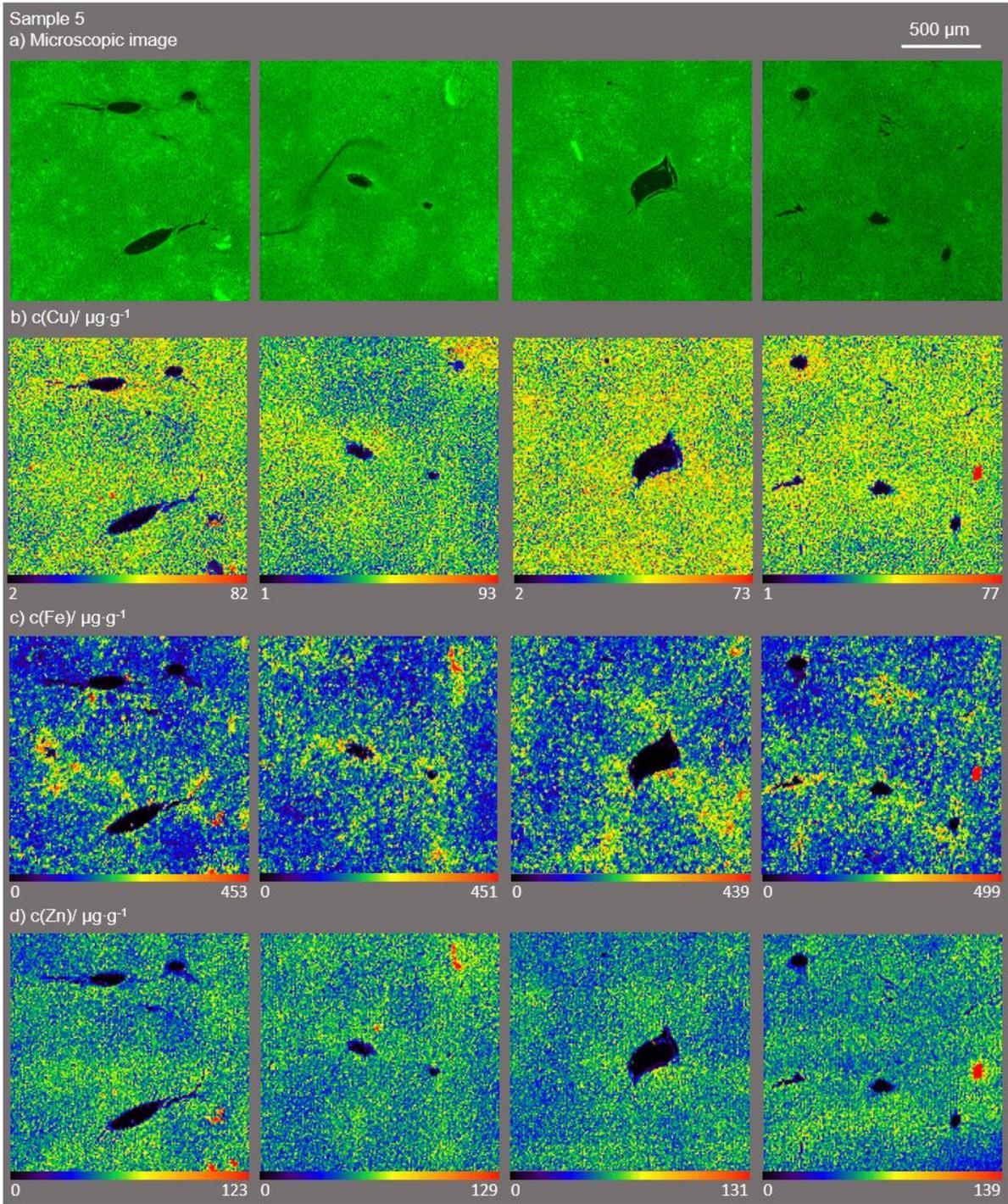
14 copper (b), iron (c), zinc (d) of the different areas of sample 3 investigated by means of LA-ICP-MS.



15

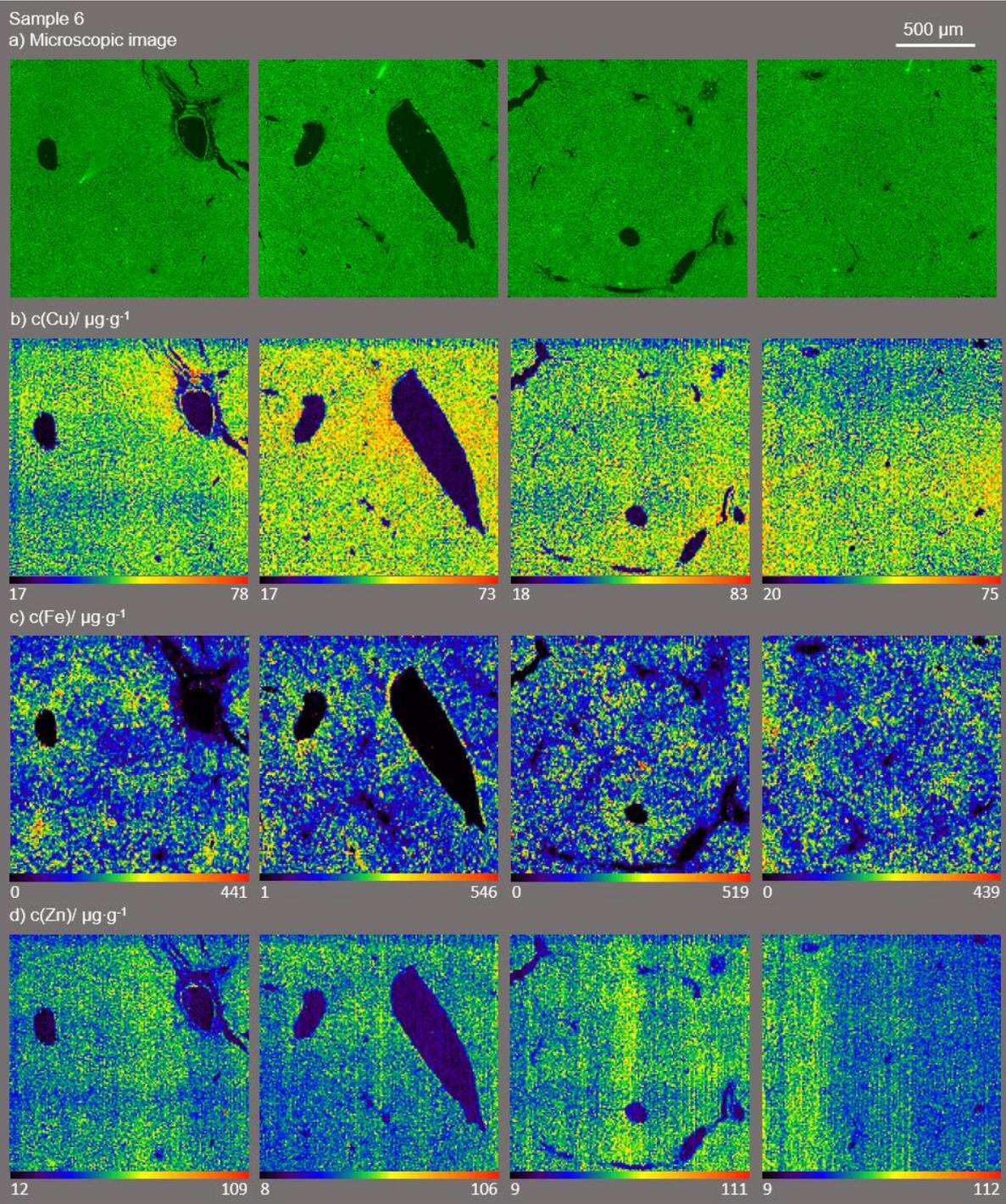
16 Supplemental figure 5: Autofluorescence microscopic images (a), quantitative distribution maps of

17 copper (b), iron (c), zinc (d) of the different areas of sample 4 investigated by means of LA-ICP-MS.



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19 Supplemental figure 6: Autofluorescence microscopic images (a), quantitative distribution maps of
 20 copper (b), iron (c), zinc (d) of the different areas of sample 5 investigated by means of LA-ICP-MS.



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Supplemental figure 7: Autofluorescence microscopic images (a), quantitative distribution maps of copper (b), iron (c), zinc (d) of the different areas of sample 6 investigated by means of LA-ICP-MS.