

Supplementary Materials

Dye identification in mounting textiles of traditional Korean paintings from the late Joseon dynasty

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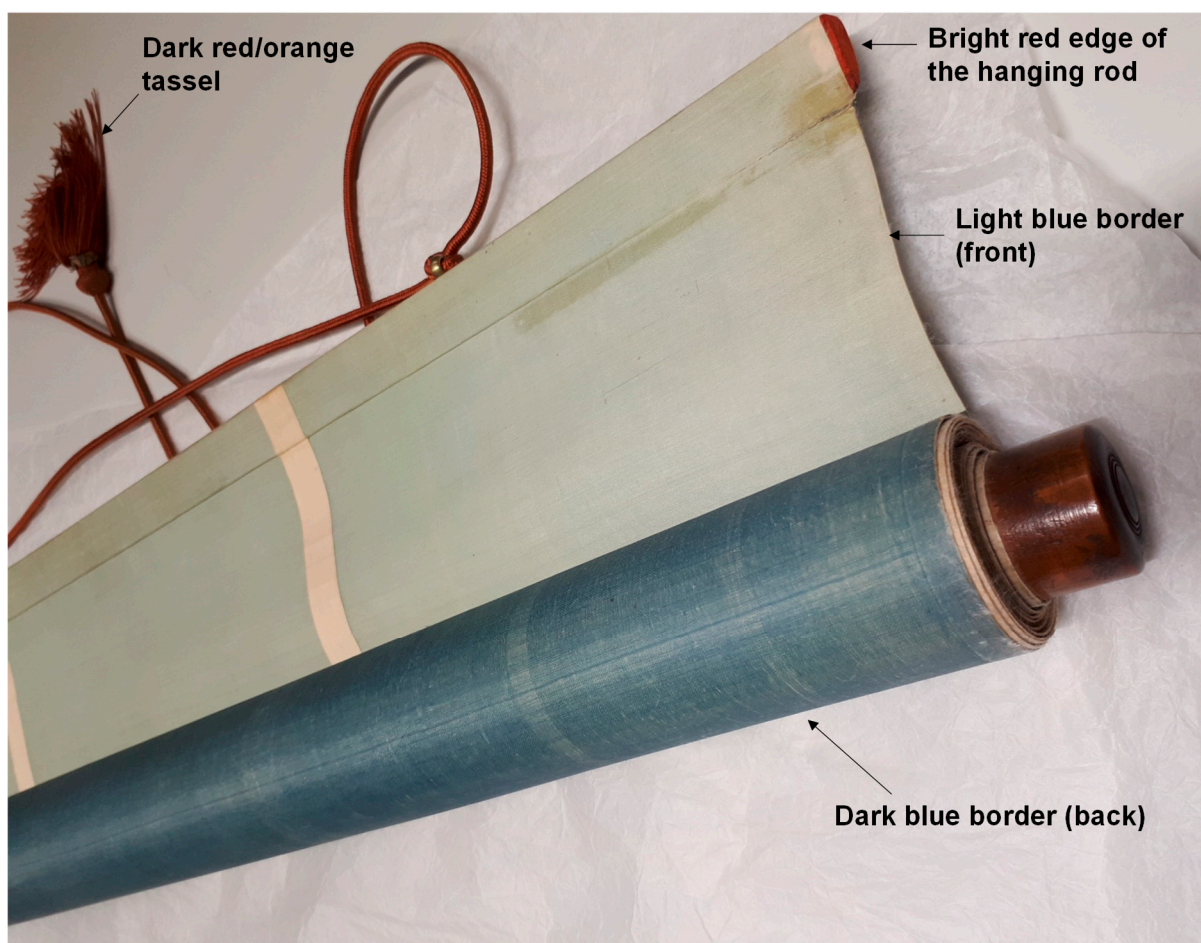


Figure S1. Coloured areas of the mounting elements of hanging scroll 1996,0329,0.1 (P1) investigated. © The Trustees of The British Museum.

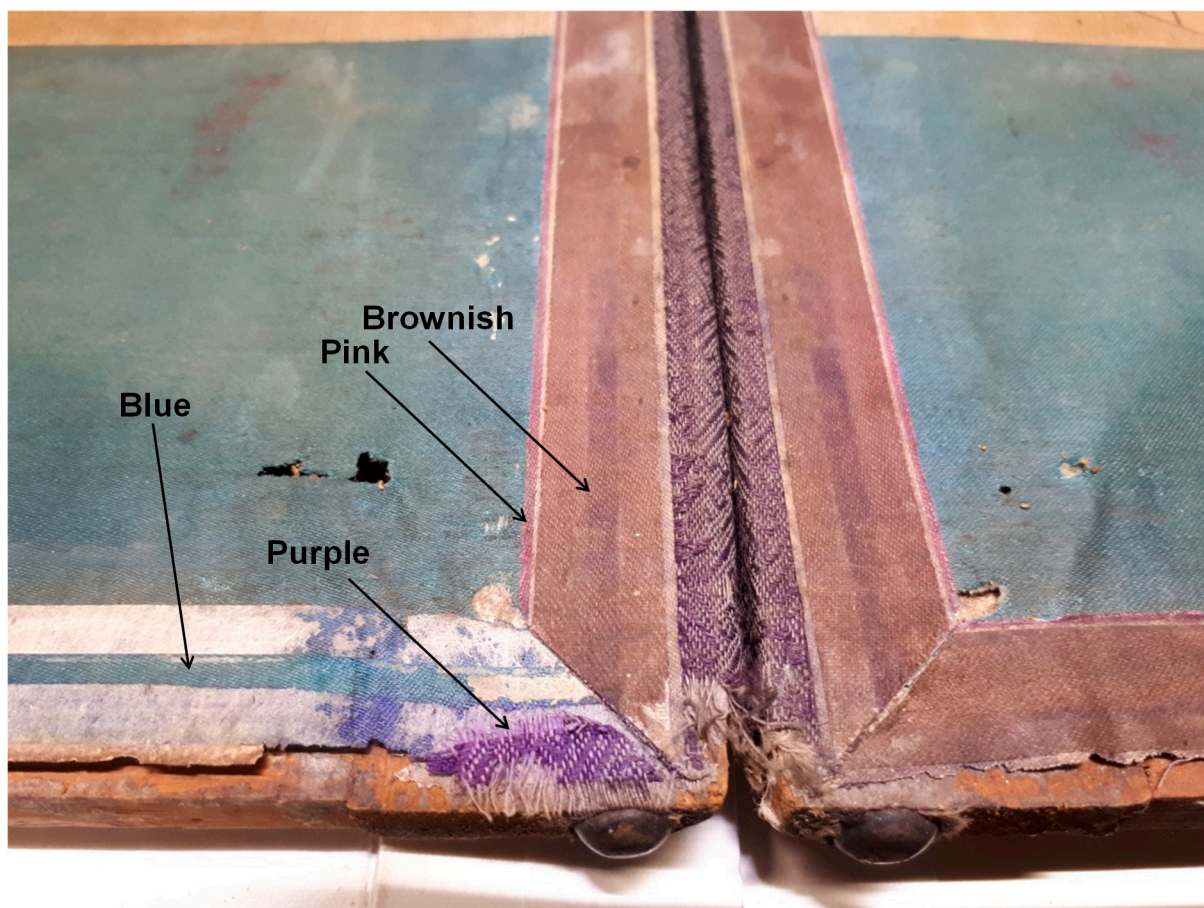


Figure S2. Coloured areas of the textile borders of two-panel screen painting 2016,3028.1 (P2) investigated. © The Trustees of The British Museum.

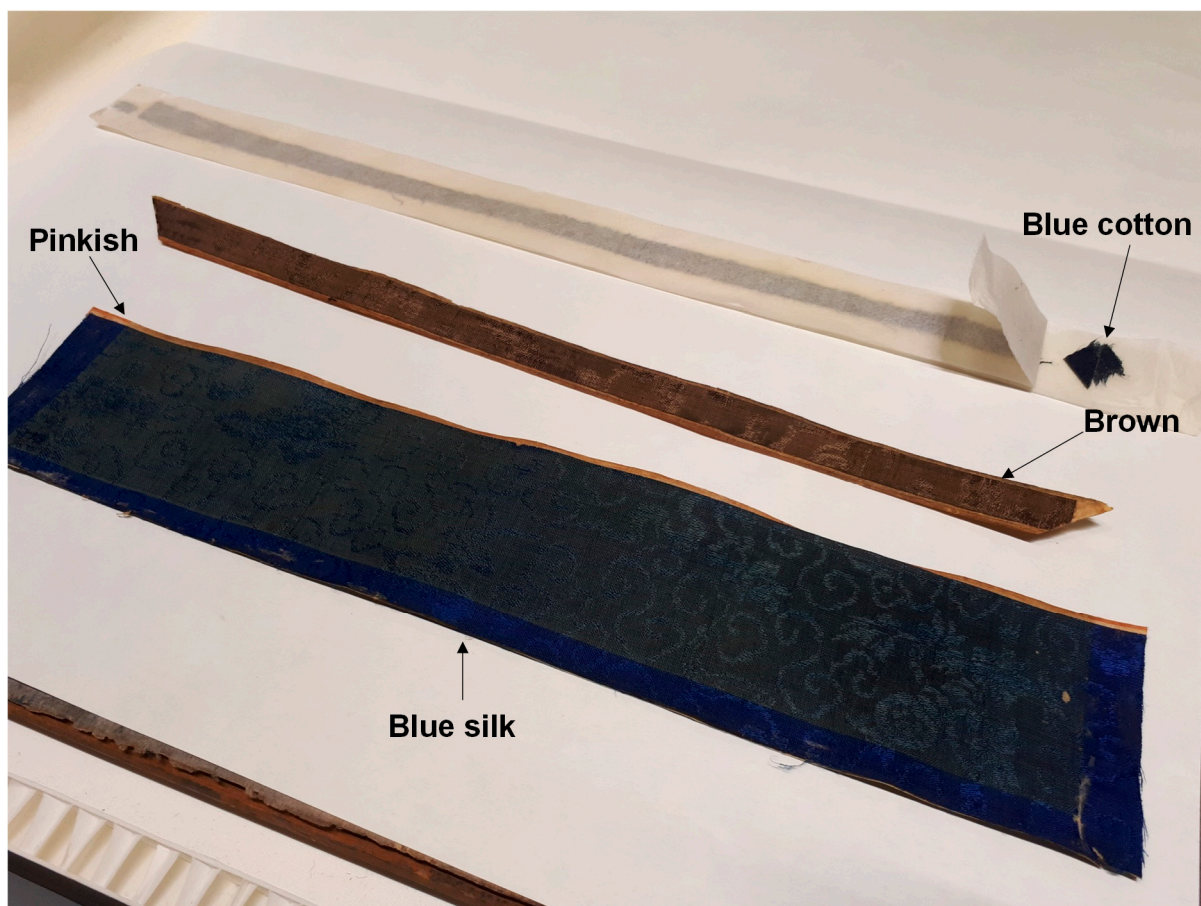


Figure S3. Coloured areas of the textile borders of twelve-panel screen painting 1957,1214,0.1 (P3) investigated. © The Trustees of The British Museum.

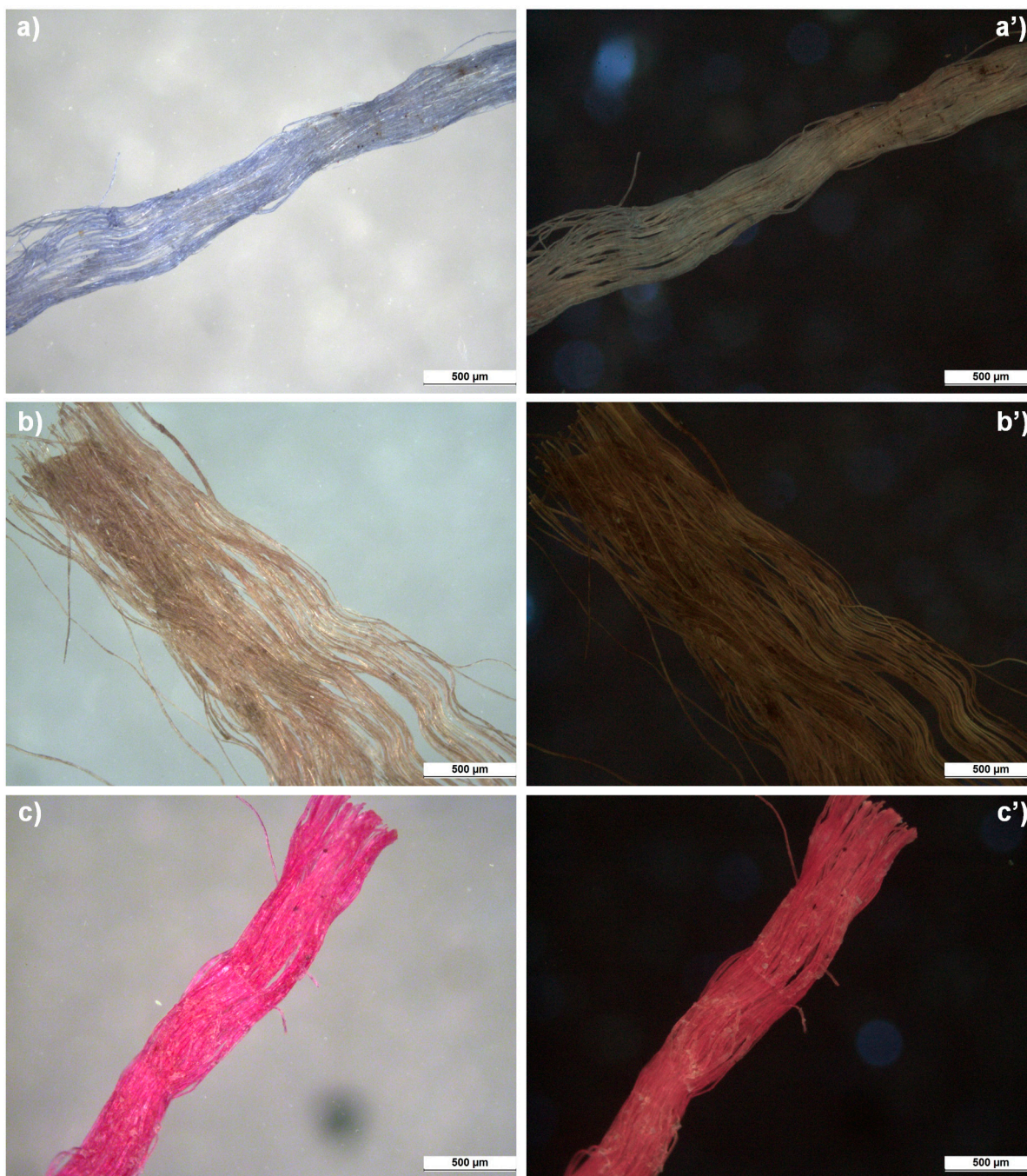


Figure S4. Microscopic images of the samples taken from P2 under visible (a, b, c) and UV (a', b', c') light. Image for the purple sample is not available.

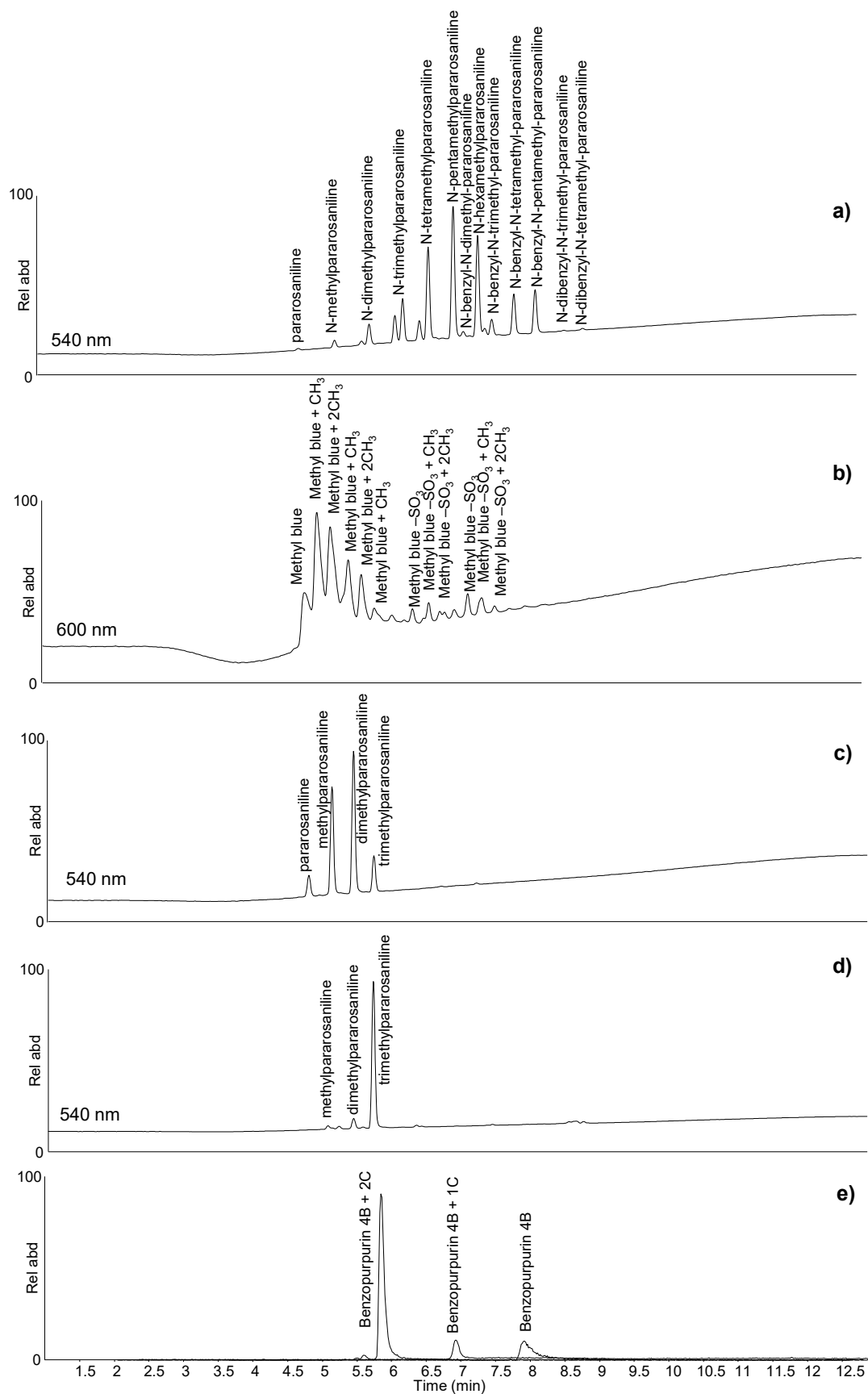


Figure S5. DAD chromatograms obtained by HPLC-DAD-MS/MS analysis of **a)** methyl violet 3B, **b)** methyl blue, **c)** magenta, **d)** new magenta. Negative ionisation extracted ion

chromatogram obtained by HPLC-DAD-MS/MS analysis of **e**) benzopurpurin 4B.

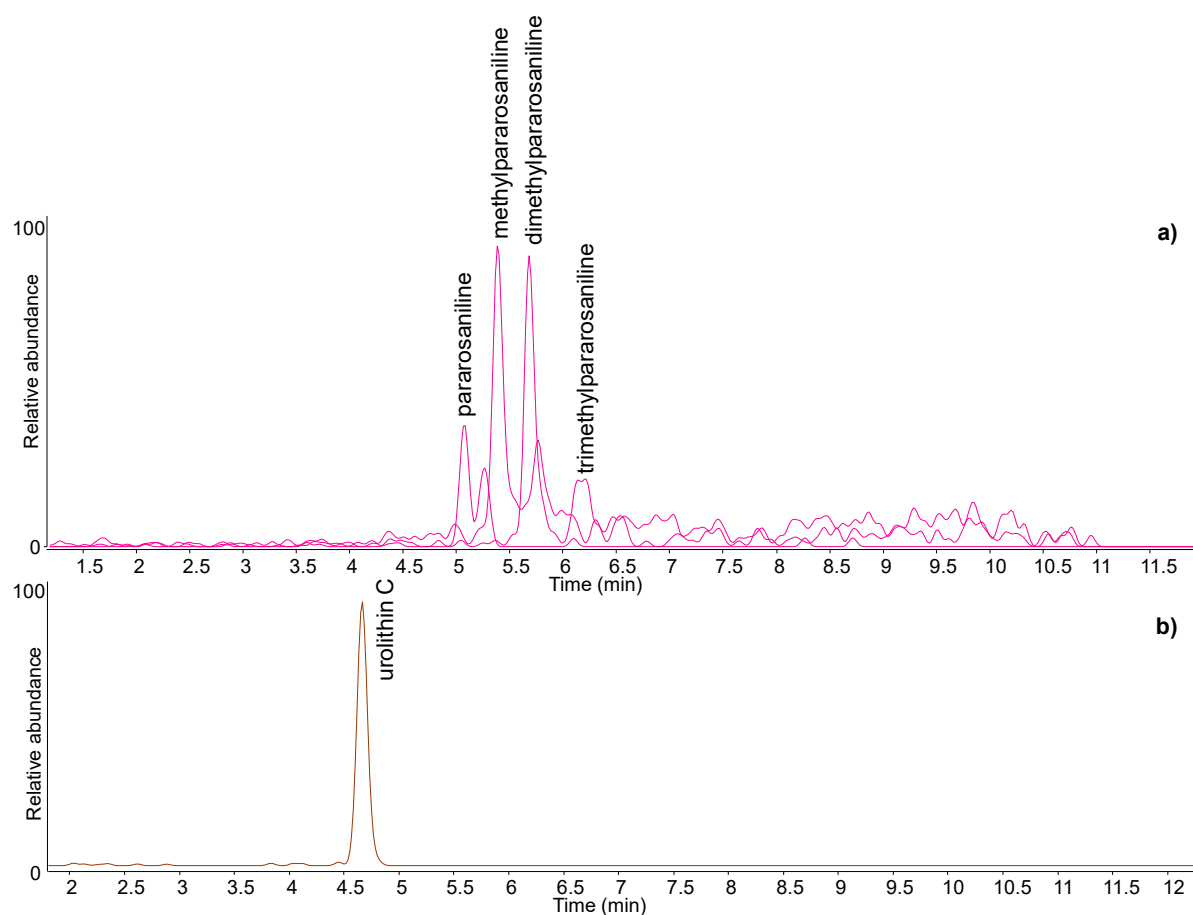


Figure S6. Positive ionisation **(a)** and negative ionisation **(b)** extracted ion chromatograms obtained by HPLC-DAD-MS/MS analysis of the brown sample from P2.

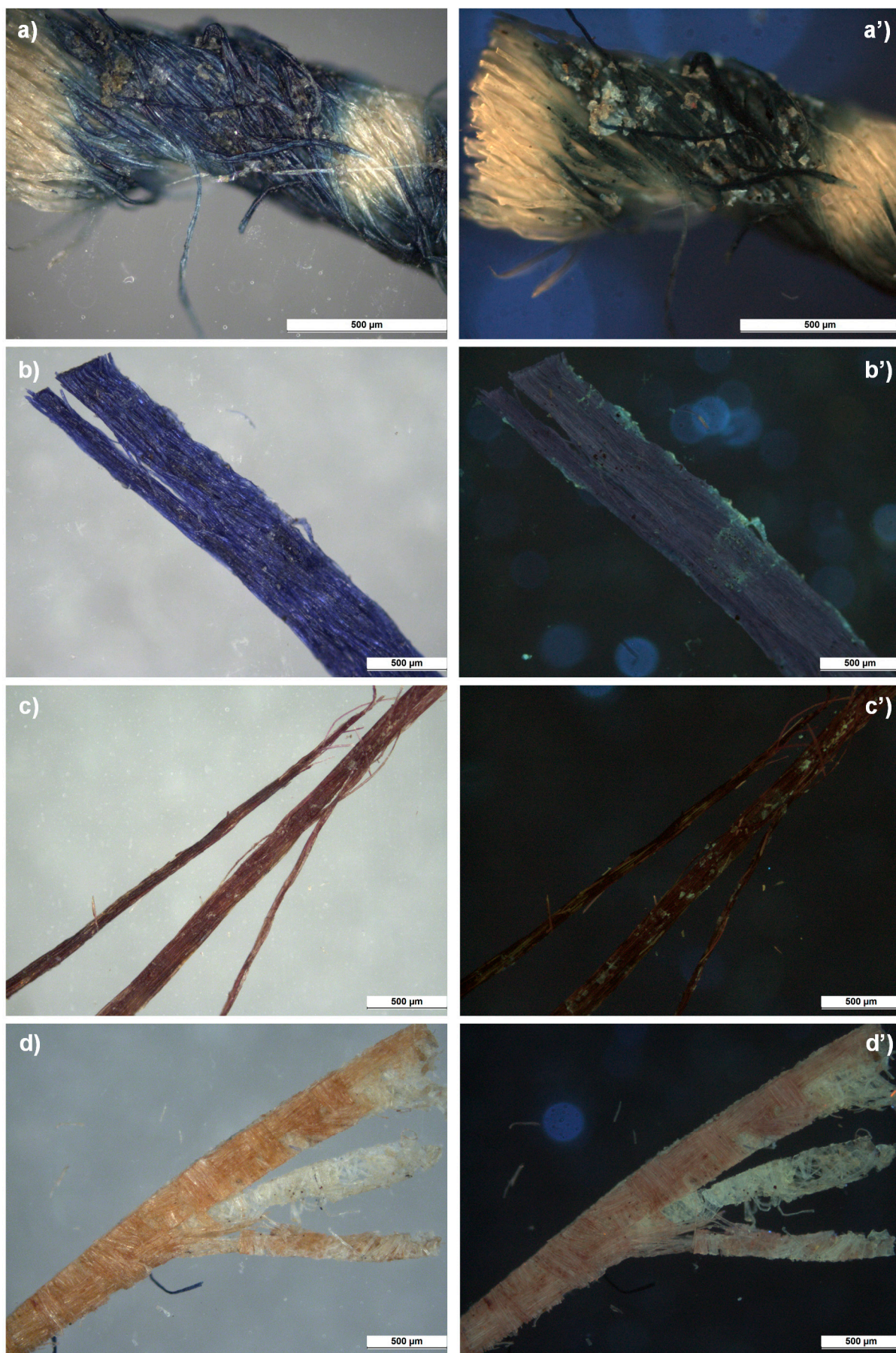


Figure S7. Microscopic images of the samples taken from P3 under visible (a, b, c, d) and UV

(a', b', c', d') light. a,a') blue cotton; b,b') blue silk; c,c') brown textile; d,d') pink textile.

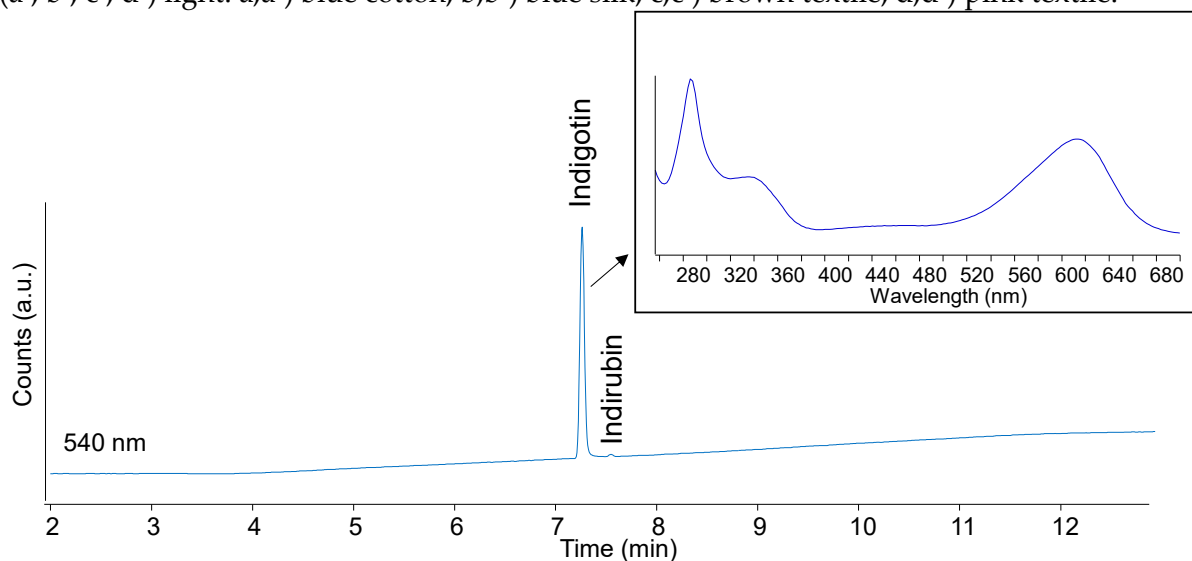


Figure S8. DAD chromatogram obtained by HPLC-DAD-MS/MS analysis of the blue cotton sample from P3. The UV-Vis absorption spectrum of indigotin is reported in the insert.

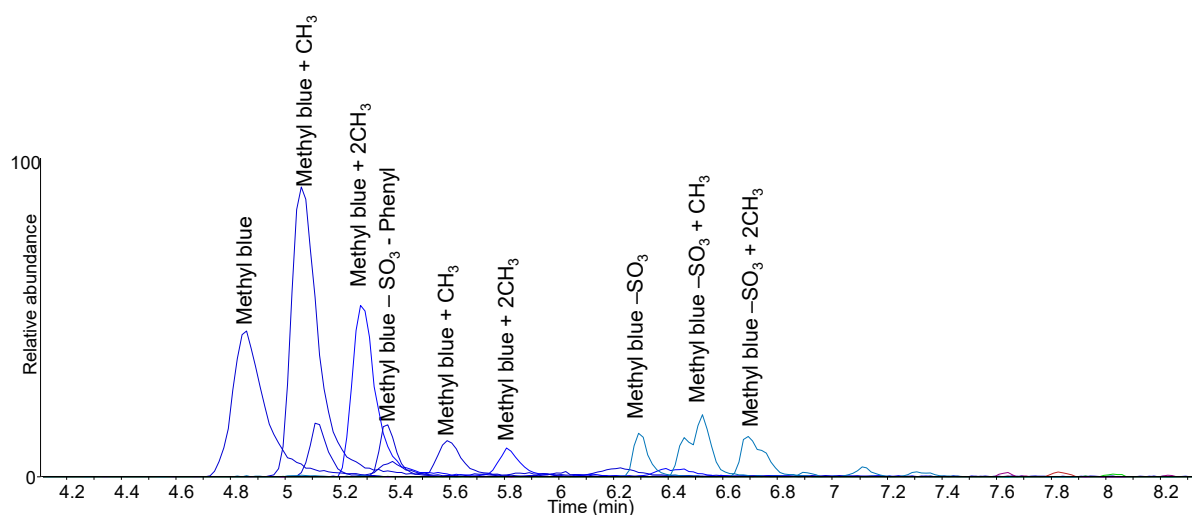


Figure S9. Negative ionisation extracted ion chromatograms obtained by HPLC-DAD-MS/MS analysis of the blue silk sample from P3.

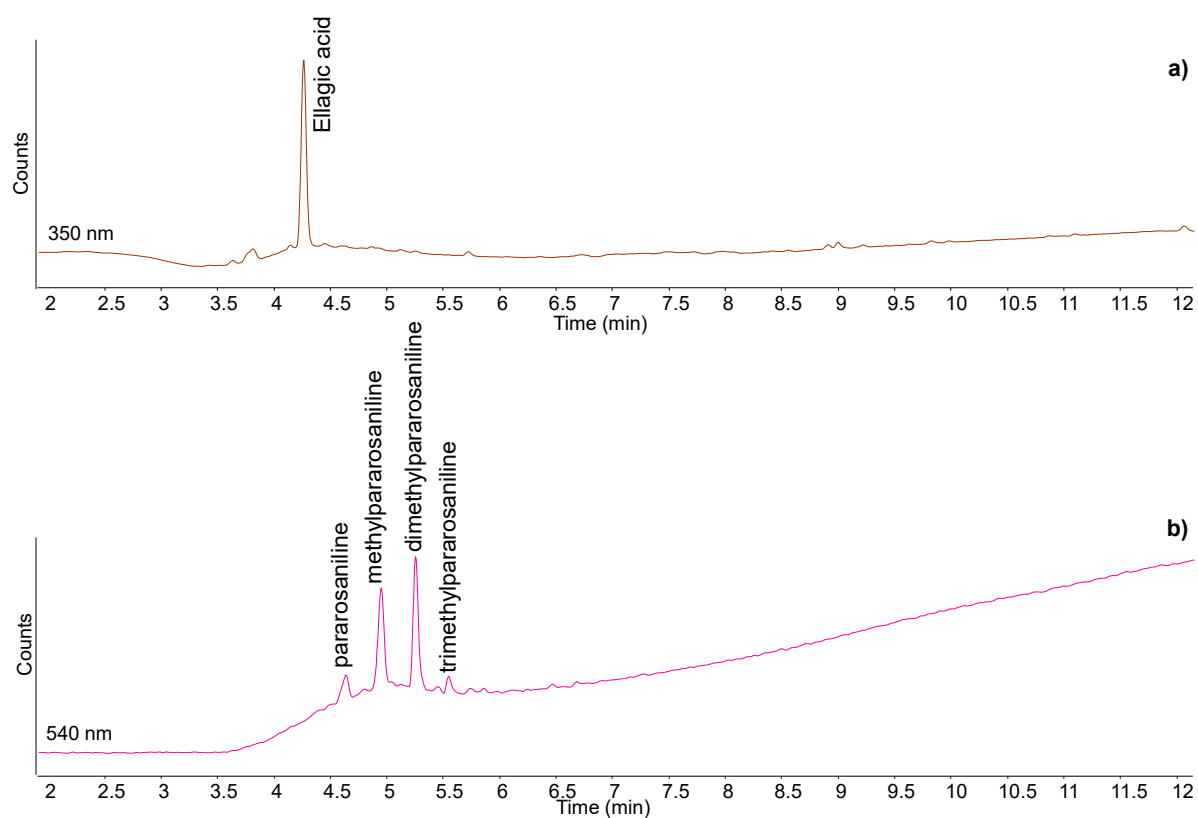


Figure S10. DAD chromatograms obtained by HPLC-DAD-MS/MS analysis of the brown sample from P3.