

**Supplementary materials
for**

Chemical evaluation of eumelanin maturation by ToF-SIMS and alkaline peroxide oxidation HPLC analysis

Martin Jarenmark^{1*}, Peter Sjövall^{2*}, Shosuke Ito³, Kazumasa Wakamatsu³, Johan Lindgren¹

¹ Department of Geology, Lund University, 223 62 Lund, Sweden.; martin.jarenmark@geol.lu.se;
johan.lindgren@geol.lu.se

² RISE Research Institutes of Sweden, Materials and Production, 501 15 Borås, Sweden; peter.sjovall@ri.se

³ Institute for Melanin Chemistry, Fujita Health University, Toyoake, Aichi 470-1192, Japan; sito@fujita-hu.ac.jp;
kwaka@fujita-hu.ac.jp

* Correspondence: martin.jarenmark@geol.lu.se; peter.sjovall@ri.se

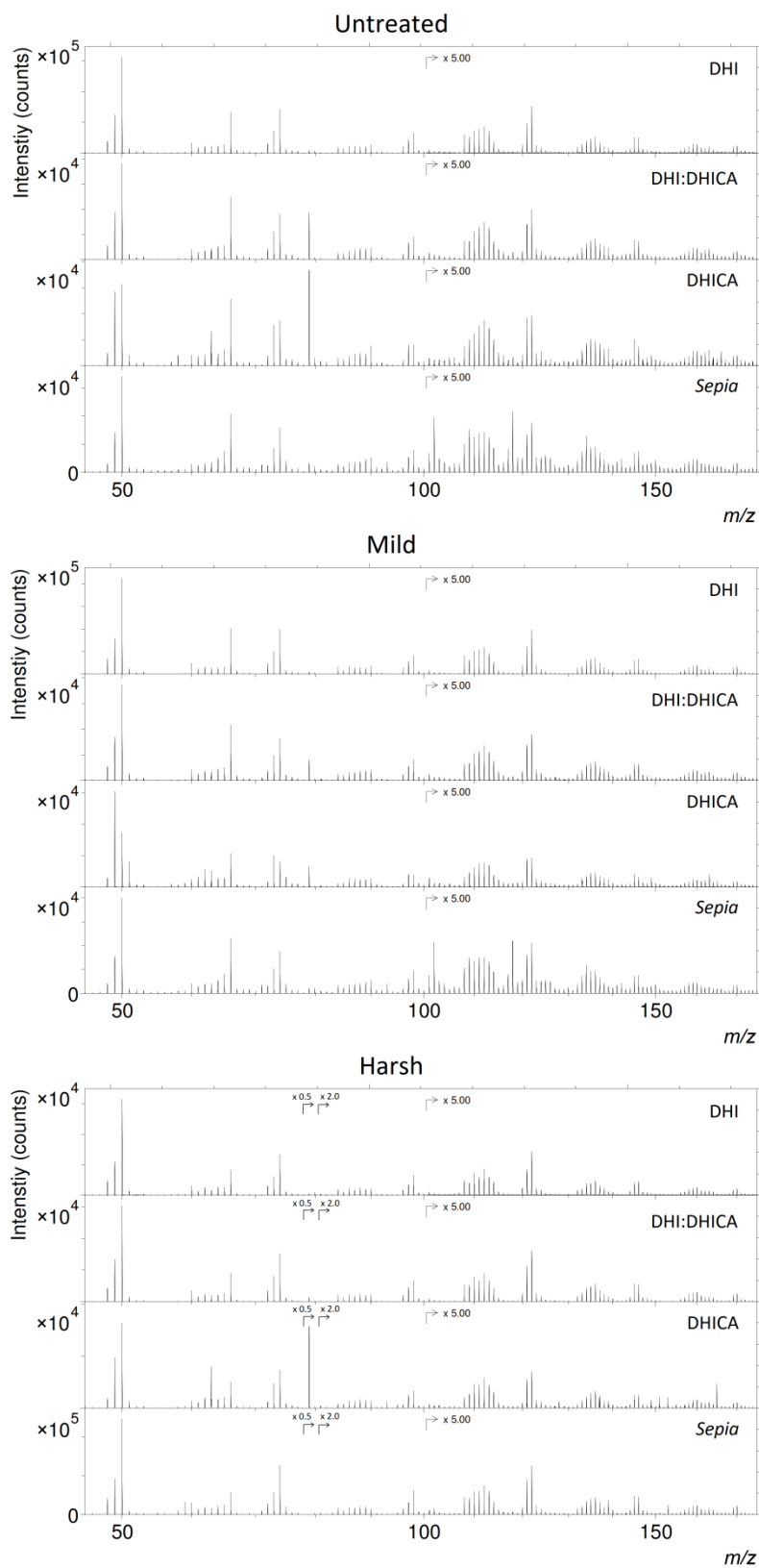


Figure S1. Negative TOF-SIMS spectra of the different eumelanin samples.

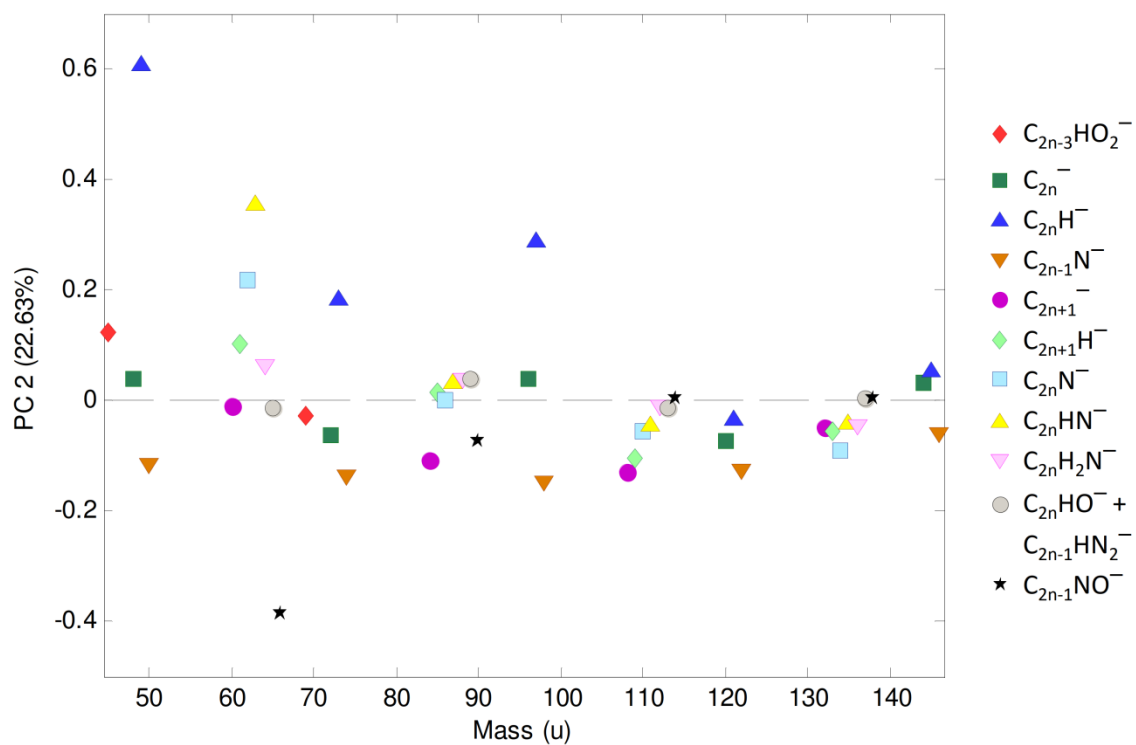


Figure S2. PC2 loadings from PCA of negative ions in TOF-SIMS spectra of eumelanin samples. Associated scores and PC1 loadings are presented in Figure 4a and 4b, respectively.