

Supplementary Material

Non-contact light-radiation thermal desorption assisted LTP ionization miniature ion trap mass spectrometry for rapid analysis of the flavour substances in pipe tobacco

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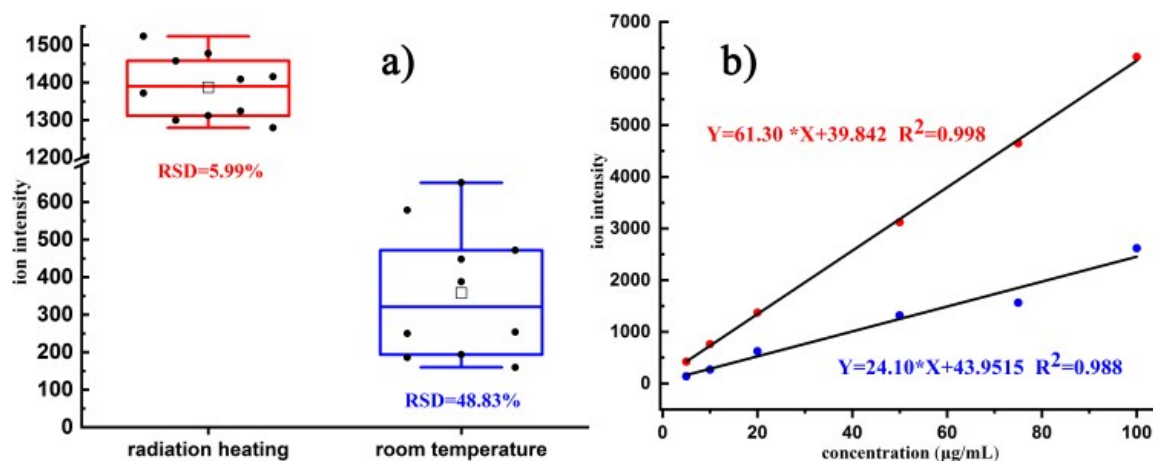


Fig. S1. (a) box chart 10 parallel detections of 20 ng vanillin solution with different sampling methods; (b) Standard curves of vanillin with different sampling methods.

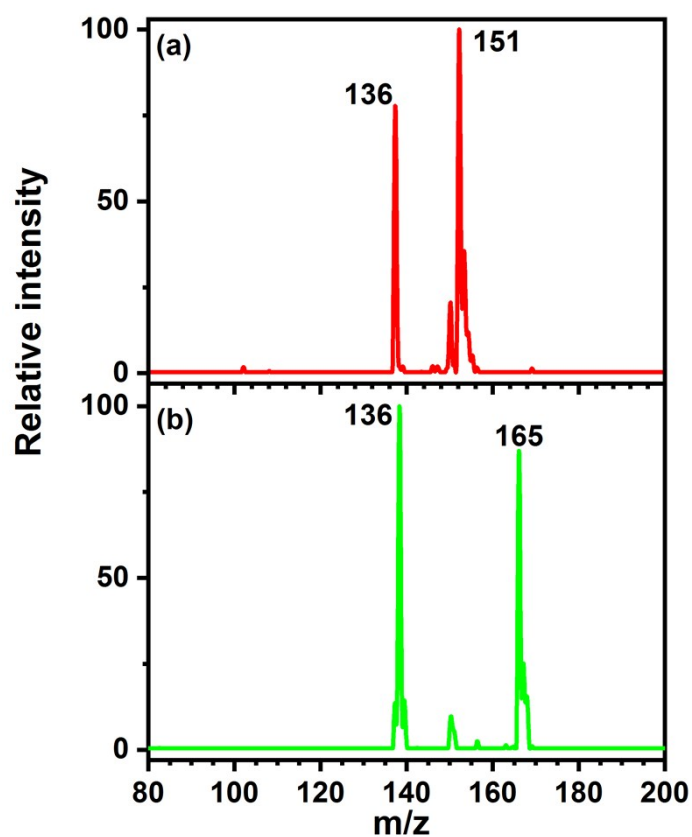


Fig. S2. MS/MS scan mass spectrum of flavoured pipe tobacco extraction with methanol (a) vanillin (m/z,151) (b) ethyl vanillin (m/z,165).

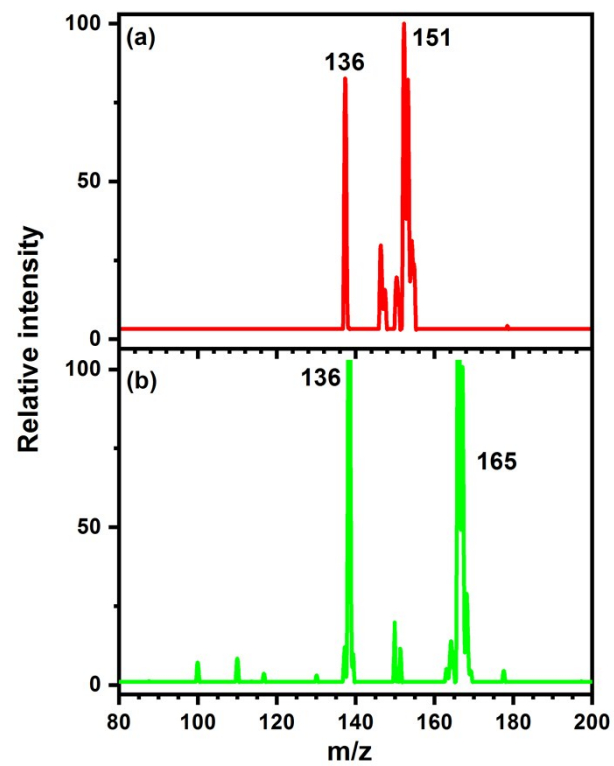


Fig. S3. MS/MS scan mass spectrum of flavoured pipe tobacco (a) vanillin (m/z ,151) (b) ethyl vanillin (m/z ,165).