**Supplemental digital content**

**Supplemental Digital Content 3: Representative ion chromatograms without matrix.**

The peaks are shown in an overall overview of positive and negative ionization, including retention times in a sample ion chromatogram for 2.5 mg/l of antimicrobials in 50 % methanol. **A**: Ion chromatogram of all antimicrobials (quantifier) with positive ionization, **B**: Ion chromatogram of all antimicrobials (quantifier) with negative ionization.

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