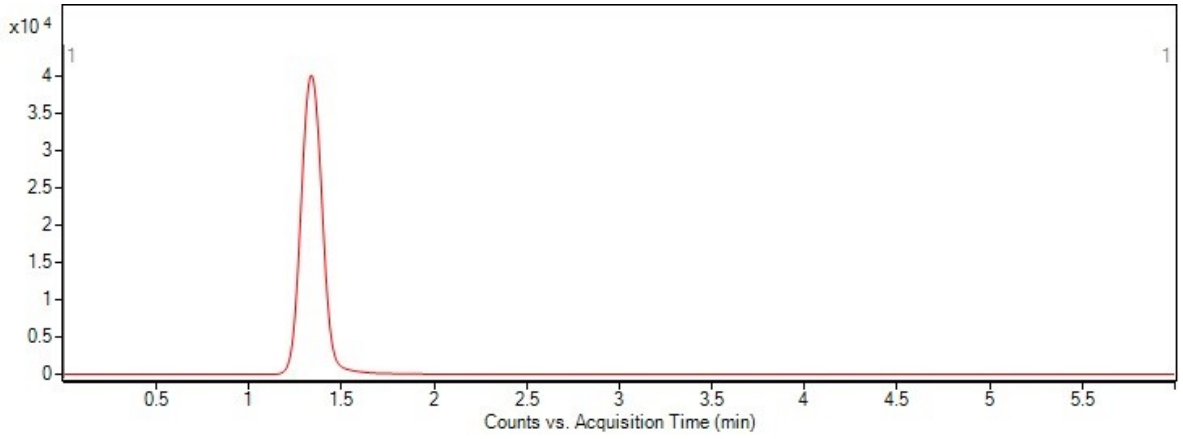
Electronic Supplementary Material (ESI) for Analytical Methods.

A



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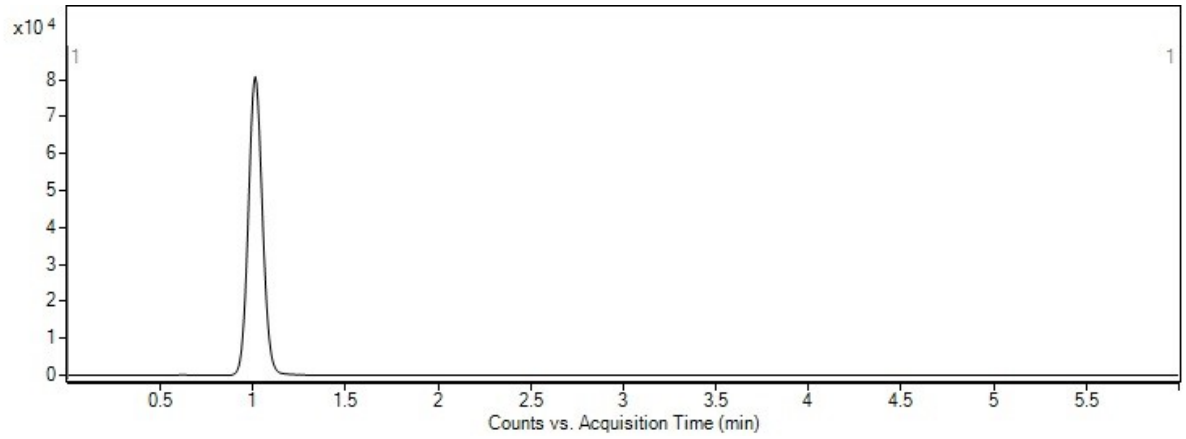
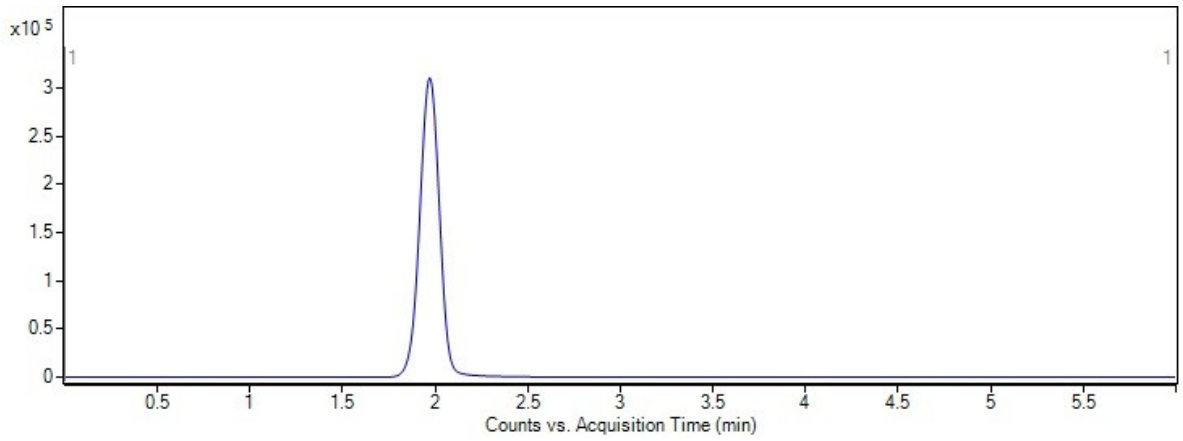
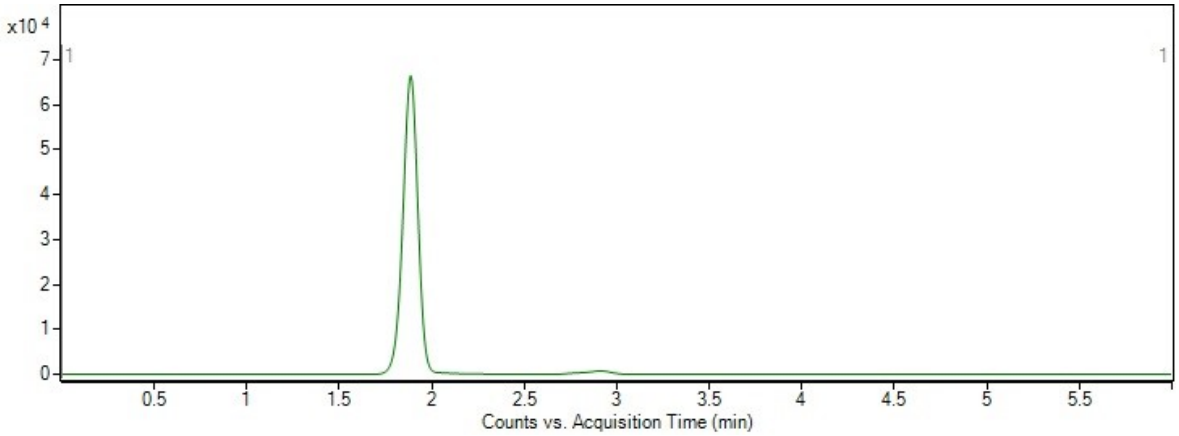


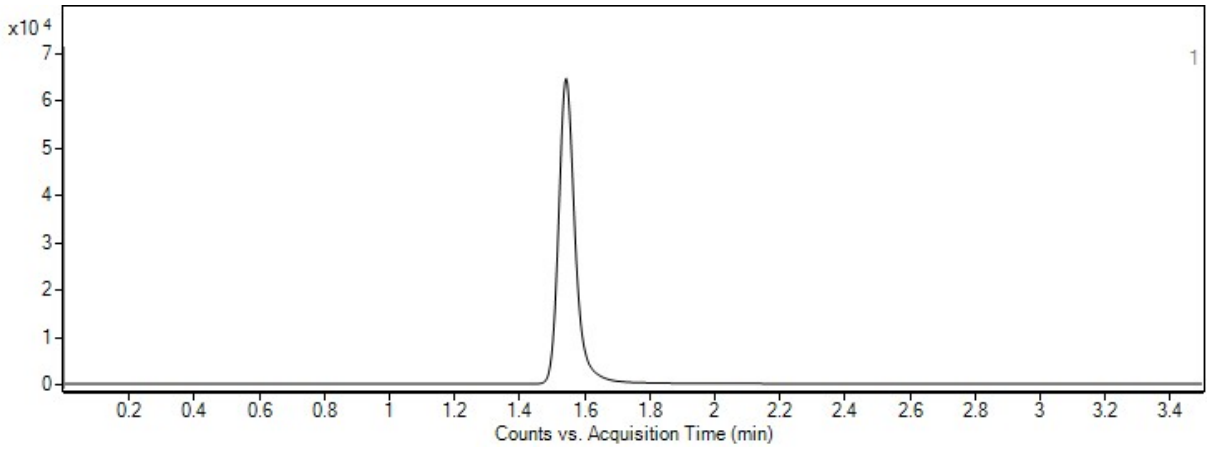
C



D



E



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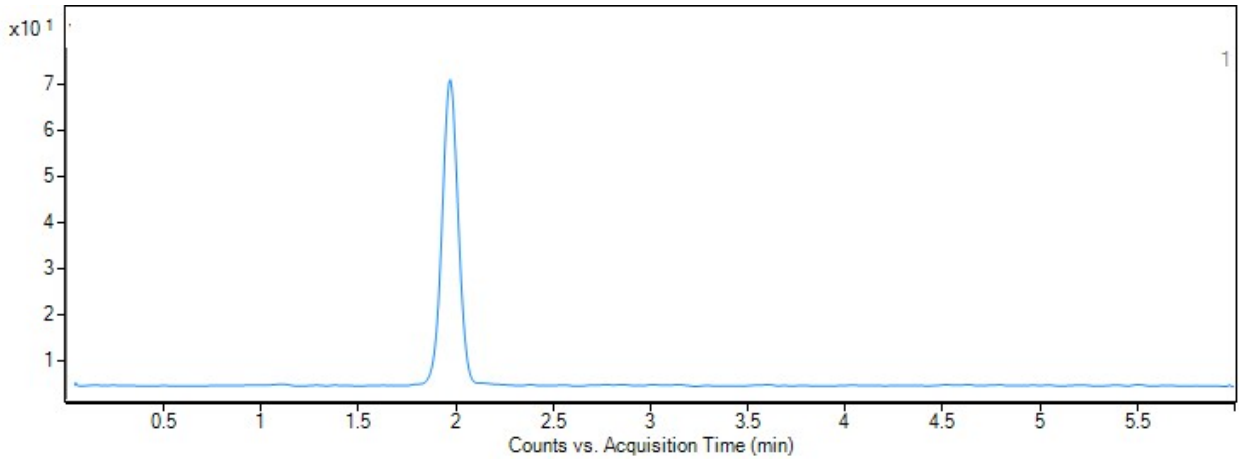

Figure S1. Chromatograms in the serum sample spiked with penicillin-V (A), penicillin G-D7, IS (B), probenecid (C), probenecid , IS (D) , penicillin-G (E) probenecid at LLOQ = 0.01mg (F).

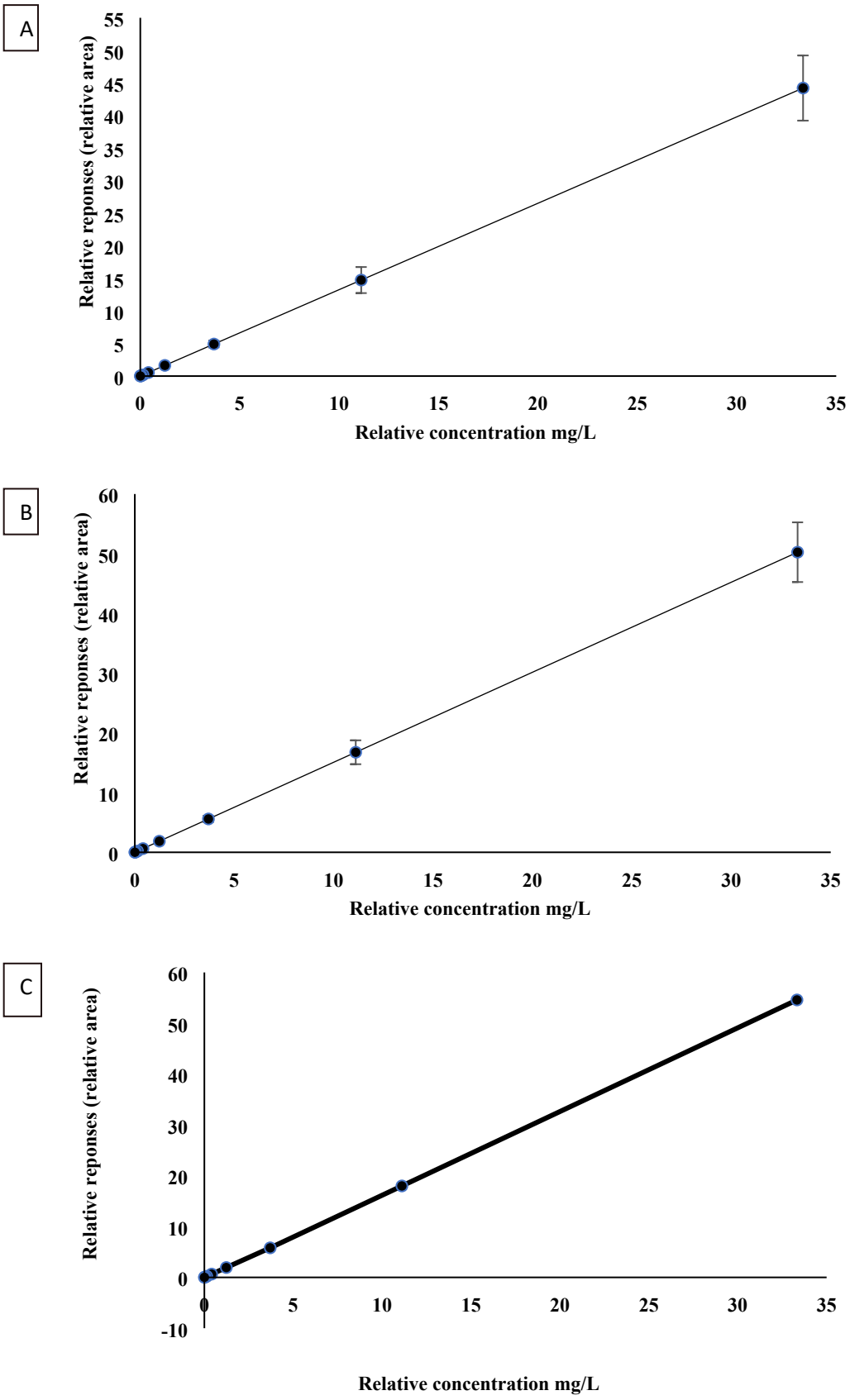

Fig. S2 The LC/MS calibration curve showing the relative area of analyte (A: penicillin-V. B: penicillin-G and C: probenecid) to internal standard plotted against relative concentration analyte to internal standard. Each data point represents the average of nine separately prepared spiked standards. LOD=0.003 mg/L

a Weighting was 1/*x* for all analytes. R^2, coefficient of determination.