Electronic Supplementary information:

Glucuronide directed molecularly imprinted solid-phase extraction: Isolation of testosterone glucuronide from its parent drug in urine

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**Fig. S1** External linear calibration curves in artificial urine spiked with TG or T for quantification (a,b) on MIP 1 cartridge and (c,d) MIP 2 cartridge.

External linear calibration curves in real urine spiked with TG or T for quantification (e,f) on MIP 1 cartridge and (g,h) MIP 2 cartridge.
**Fig. S2** (a) Urine spiked with TG (300 ng/mL) and T (50 ng/mL) and extracted on MIP1; (b) blank urine extracted on MIP1 and then spiked; (c) blank urine extracted on MIP1.

**Fig. S3** (a) Urine spiked with TG (300 ng/mL) and T (50 ng/mL) and extracted on MIP2; (b) blank urine extracted on MIP2 and then spiked; (c) blank urine extracted on MIP2.
Fig. S4 Chromatograms of urine spiked at (a) high, (b) medium and (c) low concentration level after MISPE on MIP1.
Fig. S5 Chromatograms of urine spiked at (a) high, (b) medium and (c) low concentration level after MISPE on MIP2.
Fig. S6 Chromatograms of urine spiked at (a) high, (b) medium and (c) low concentration level after MISPE on NIP1.
Fig. S7 Chromatograms of urine spiked at (a) high, (b) medium and (c) low concentration level after MISPE on NIP2.