

Packed-fiber Solid Phase Extraction Coupled with HPLC-MS/MS for Rapid Determination of Lipid Oxidative Damage Biomarker 8-iso-prostaglandin F_{2α} in Urine

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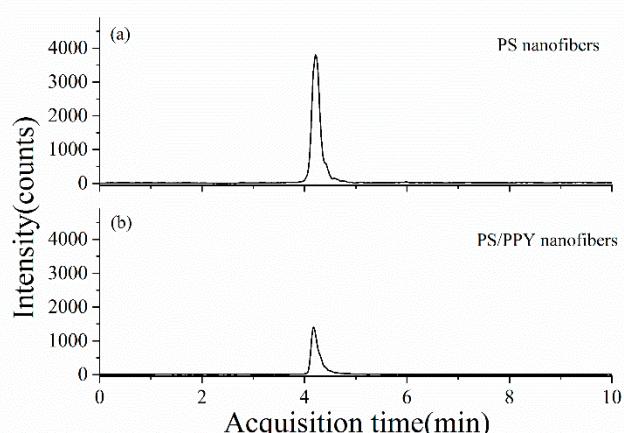


Figure S1. Representative chromatograms of PFSPE condition optimization. 1 mL 1 ng/mL standard solution processed with (a) PS nanofibers cartridge and (b) PS/PPY cartridge.

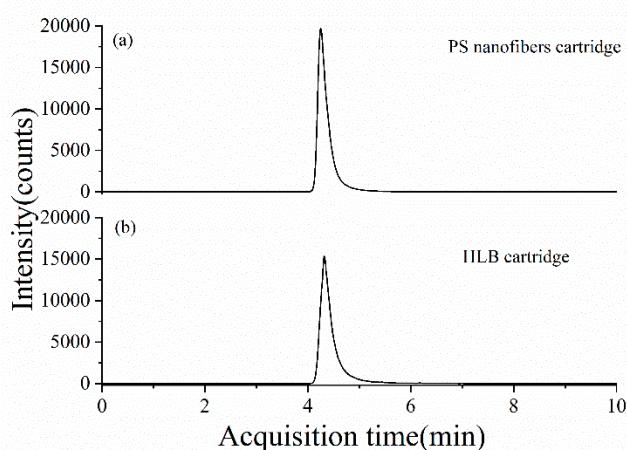


Figure S2. Representative chromatograms of 1 mL 5 ng/mL standard solution processed with (a) PS nanofibers cartridge and (b) HLB cartridge.

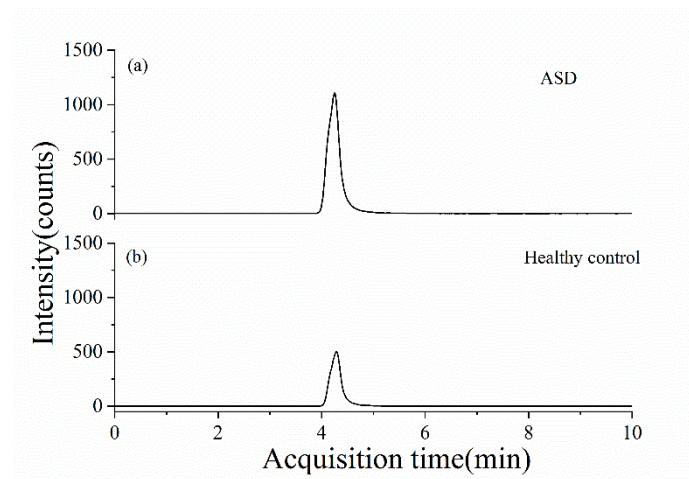


Figure S3. Representative chromatograms of urine of (a) ASD children and (b) healthy control.

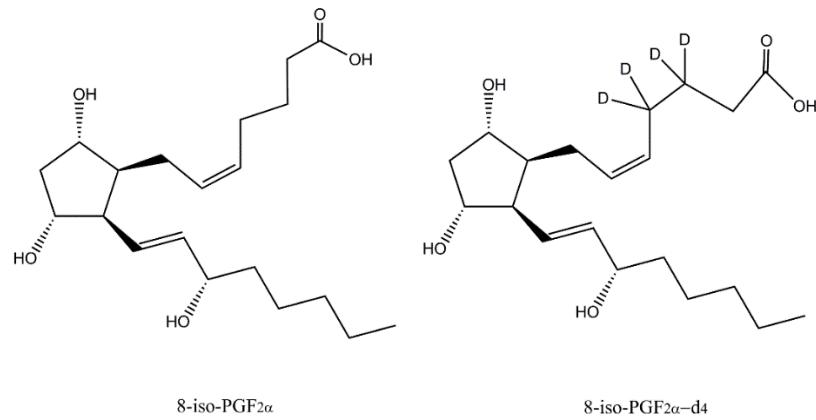


Figure S4. Structures of 8-iso-PGF₂α and 8-iso-PGF₂α-d4.

Table S1. The creatinine normalized 8-iso-PGF₂α concentrations of ASD children and healthy controls.

Group	Concentration (ng/mg Cr)					
	1	2	3	4	5	6
ASD	0.17	0.25	0.34	0.37	0.40	0.21
Control	0.11	0.09	0.13	0.11	0.16	0.17