

Determination of 24 sulfonamide antibiotics in instant pastries by modified QuEChERS coupled with ultra performance liquid chromatography-tandem mass spectrometry

Supporting Material

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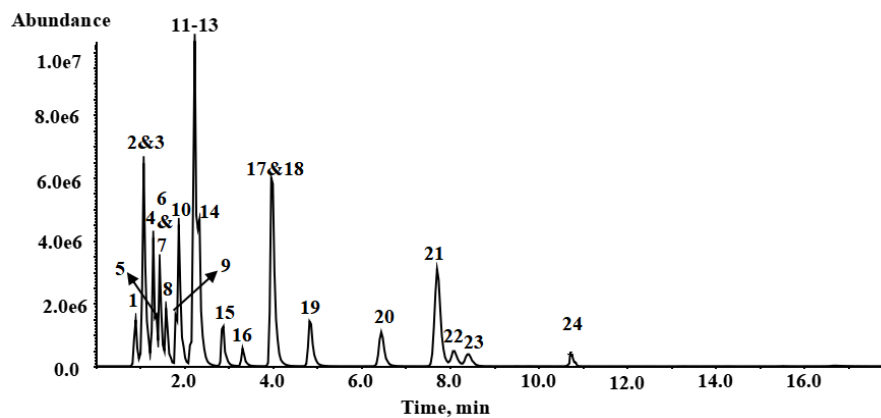


Fig. S1 Chromatograms of 24 kinds of SAs. ($50 \mu\text{g}\cdot\text{L}^{-1}$)

- (1). sulfaguanidine, (2). sulfanilamide, (3). sulfisomidine, (4). sulfacetamide, (5). trimethoprim, (6). sulfadiazine, (7). sulfathiazole, (8). sulfapyridine, (9). sulfamerazine, (10). sulfamoxol, (11). sulfamethizole, (12). sulfamethazine, (13). sulfamethoxyipyridazine, (14). sulfamonomethoxine, (15). sulfameter, (16). sulfachlorpyridazine, (17). sulfamethoxazole, (18). sulfadoxine, (19). sulfisoxazole, (20). sulfabenzamide, (21). sulfadimethoxine, (22). sulfaquinoxaline, (23). sulfaphenazole, (24). sulfanitran

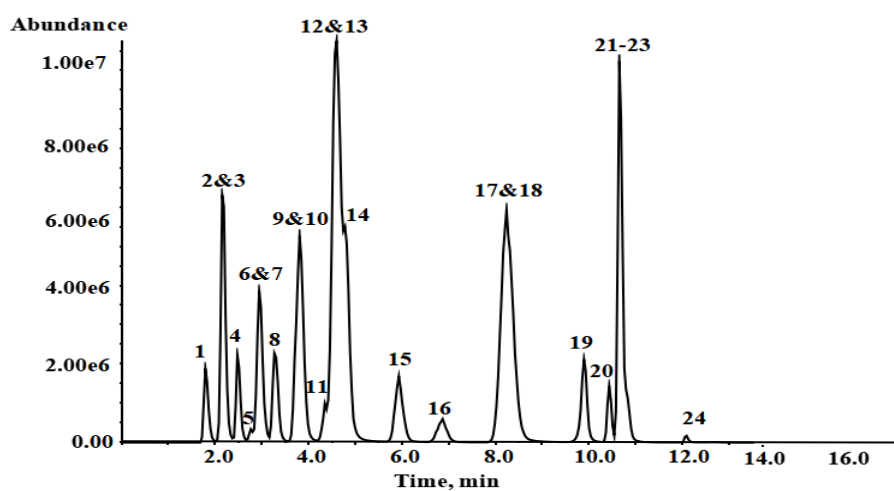


Fig. S2 Chromatograms of 24 kinds of SAs. ($50 \mu\text{g}\cdot\text{L}^{-1}$)

- (1). sulfaguanidine, (2). sulfanilamide, (3). sulfisomidine, (4). trimethoprim, (5). sulfacetamide, (6). sulfadiazine, (7). sulfathiazole, (8). sulfapyridine, (9). sulfamerazine, (10). sulfamoxol, (11). sulfamethizole, (12). sulfamethazine, (13). sulfamethoxy pyridazine, (14). sulfamonomethoxine, (15). sulfameter, (16). sulfachlorpyridazine, (17). sulfamethoxazole, (18). sulfadoxine, (19). sulfisoxazole, (20). sulfabenzamide, (21). sulfaquinoxaline, (22). sulfiadimethoxine, (23). sulfaphenazole, (24). sulfanitran

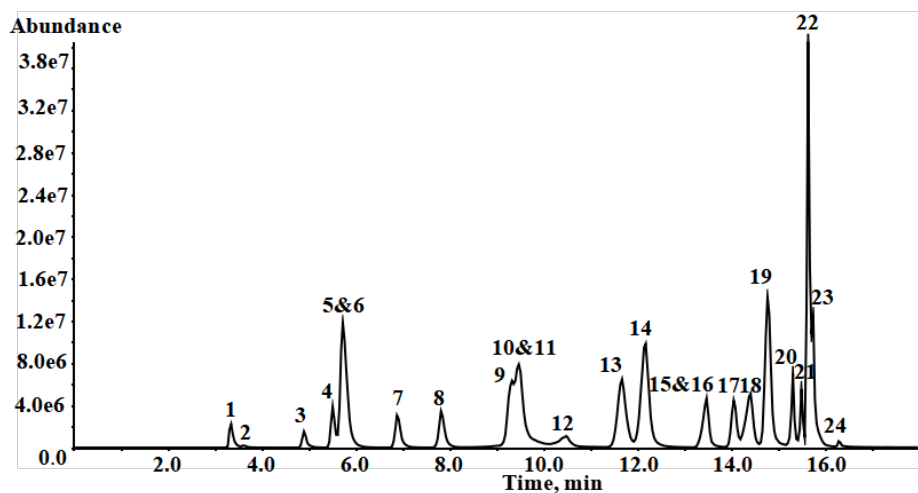


Fig. S3 Chromatograms of 24 kinds of SAs. ($50 \mu\text{g}\cdot\text{L}^{-1}$)

- (1). sulfaguanidine, (2). sulfanilamide, (3). sulfacetamide, (4). sulfadiazine, (5). sulfathiazole, (6). sulfisomidine, (7). sulfapyridine, (8). sulfamerazine, (9). sulfamoxol, (10). sulfamethoxypyridazine, (11). trimethoprim, (12). sulfamethizole, (13). sulfamethazine, (14). sulfameter, (15). sulfamethoxazole, (16). sulfachlorpyridazine, (17). sulfamonomethoxine, (18). sulfisoxazole, (19). sulfadoxine, (20). sulfabenzamide, (21). sulfaphenazole, (22). sulfaquinoxaline, (23). sulfadimethoxine, (24). sulfanitran

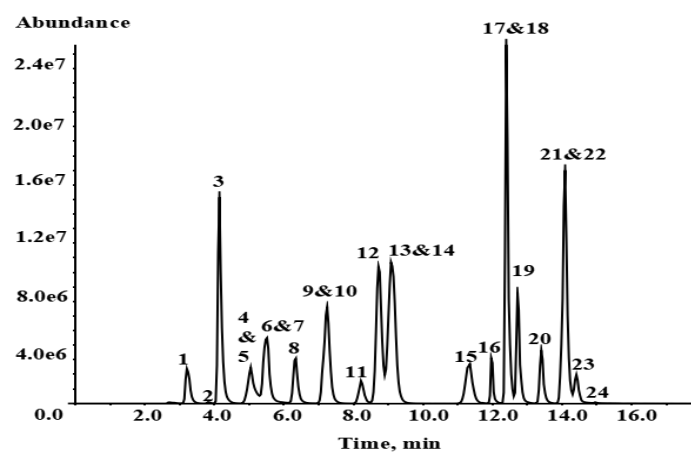


Fig. S4 Chromatograms of 24 kinds of SAs. ($50 \mu\text{g}\cdot\text{L}^{-1}$)

- (1). sulfaguanidine, (2). sulfanilamide, (3). sulfisomidine, (4). sulfacetamide, (5). trimethoprim, (6). sulfadiazine, (7). sulfathiazole, (8). sulfapyridine, (9). sulfamerazine, (10). sulfamoxol, (11). sulfamethizole, (12). sulfamethoxy pyridazine, (13). sulfamethazine, (14). sulfameter, (15). sulfamonomethoxine, (16). sulfachlorpyridazine, (17). sulfamethoxazole, (18). sulfadoxine, (19). sulfisoxazole, (20). sulfabenzamide, (21). sulfaquinoxaline, (22). sulfadimethoxine, (23). sulfaphenazole, (24). sulfanitran

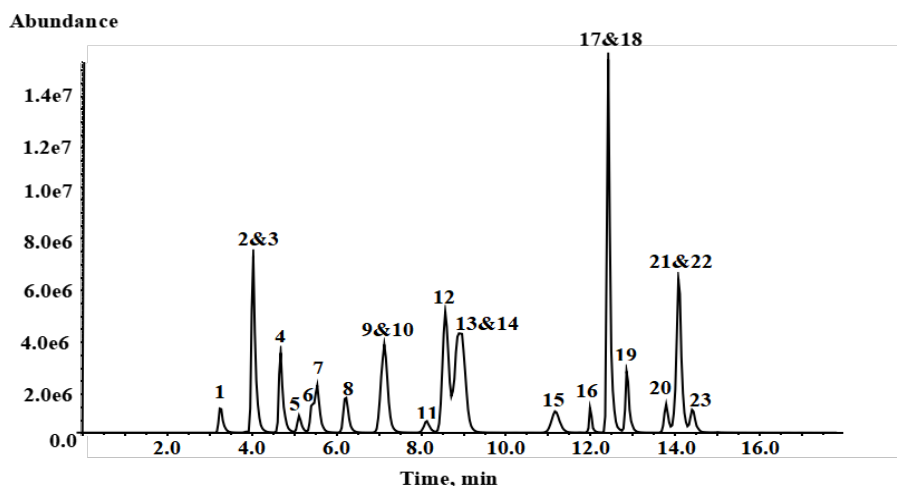


Fig. S5 Chromatograms of 24 kinds of SAs. ($50 \mu\text{g}\cdot\text{L}^{-1}$)

- (1). sulfaguanidine, (2). sulfanilamide, (3). sulfisomidine, (4). Trimethoprim, (5). sulfacetamide, (6). sulfathiazole, (7). sulfadiazine, (8). sulfapyridine, (9). sulfamerazine, (10). sulfamoxol, (11). sulfamethizole, (12). sulfamethoxy pyridazine, (13). sulfameter, (14). sulfamethazine, (15). sulfamonomethoxine, (16). sulfachlorpyridazine, (17). sulfamethoxazole, (18). sulfadoxine, (19). sulfisoxazole, (20). sulfabenzamide, (21). sulfaquinoxaline, (22). sulfadimethoxine, (23). sulfaphenazole