Supplementary Material

A   B

Compound name: 202
Correlation coefficient: r = 0.999822, r^2 = 0.999643
Calibration curve: 38.8815 * x + –12.0886
Response type: External Std, Area
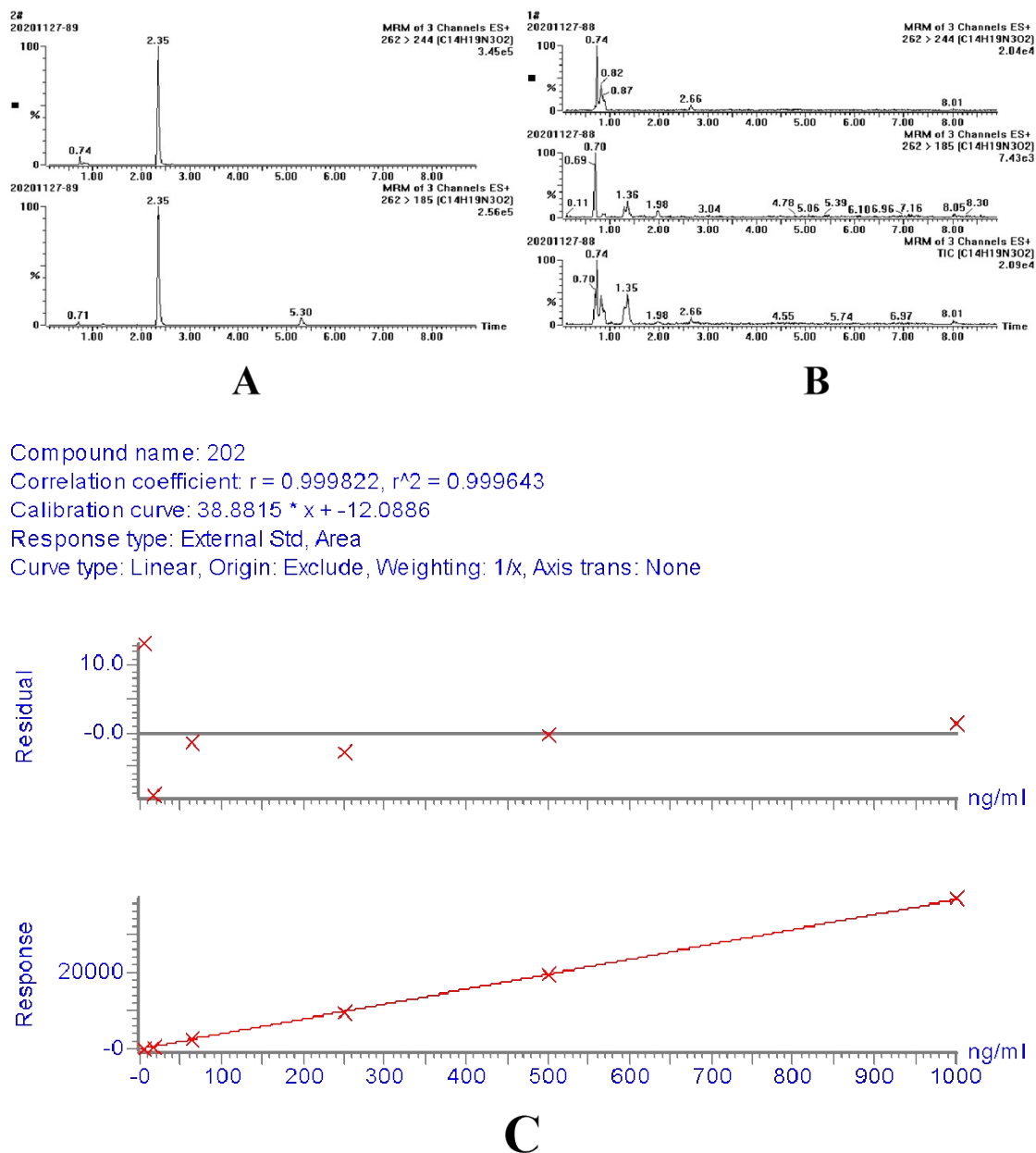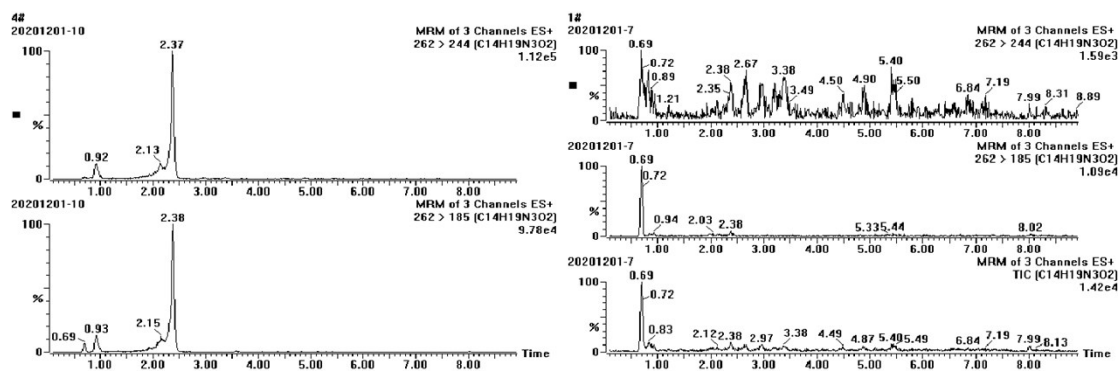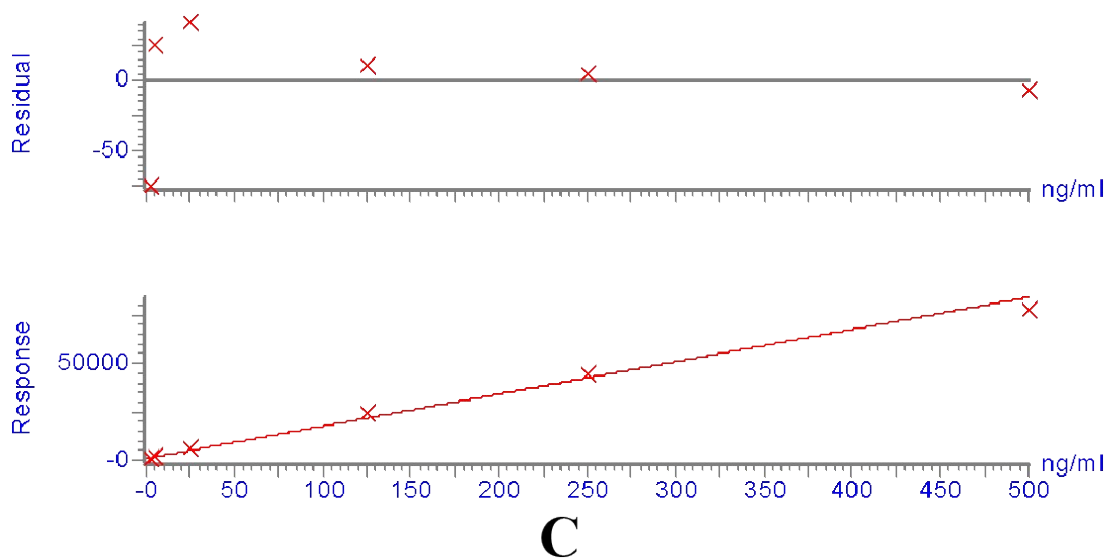Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

C

Fig.S1. (A) LC-MS spectrum of swine urine blank sample. (B) LC-MS detection spectrum of swine urine with 20μg/kg zilpaterol. (C) Standard curve of swine urine matrix established by LC-MS detection.

Compound name: 244
Correlation coefficient: r = 0.993990, r^2 = 0.988015
Calibration curve: 166.84 * x + 942.309
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

Fig.S2. (A) LC-MS spectrum of pork blank sample. (B) LC-MS detection spectrum of pork with 20μg/kg zilpaterol. (C) Standard curve of pork established by LC-MS detection.

Table S1. Instrument parameters for LC-MS/MS analyses

LC parameters		
Column	BEH C18 column (100 mm ×2.1 mm i.d., 1.7μm)	
Flow rate	0.3 mL/min	
Column temperature	45℃	
Injection volume	1μL	
Gradient timetable		
Time(min)	Acetonitrile (%)	0.1% formic acid in ultrapure water (%)
0	5%	95%
12	21%	79%
15	60%	40%
17	80%	20%
Electrospray MS parameters		
Desolvation gas flow	700L/h	
Collision gas volume	0.15mL/min	
Desolvation gas temperature	400℃	
Ion source block temperature	100℃	