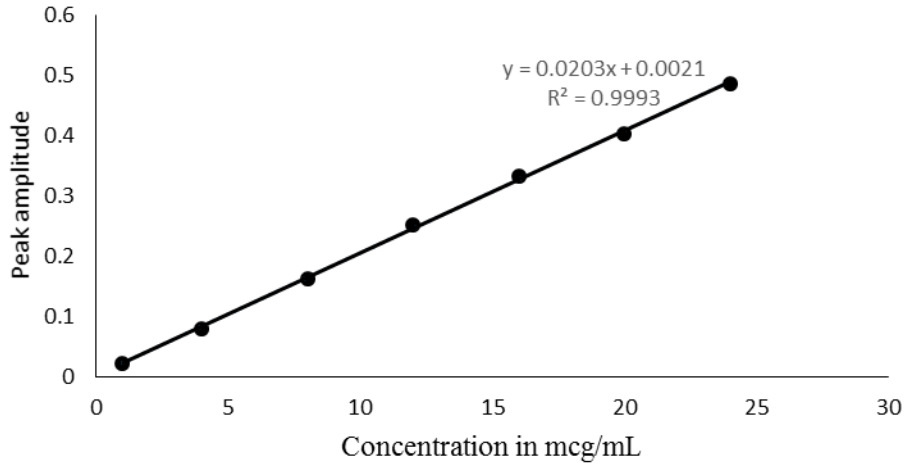


Fig. S1: Chromatograms of standard solutions of Metformin and Remogliflozin (MFH:RGE ($\mu\text{g/ml}$) =25:5(A); 50:25(B), 75:50 (C); 100:75 (D); 125:100 (E); 150:125 (F) to 200:150(G) and samples 100:10 (H) and 200:20 (I)

Fig S2: Calibration curves for RGE and MFH by 2nd derivative UV spectroscopic method

Calibration Curve for Remogliflozin at 243 nm



MFH 2nd derivative at 235.5nm

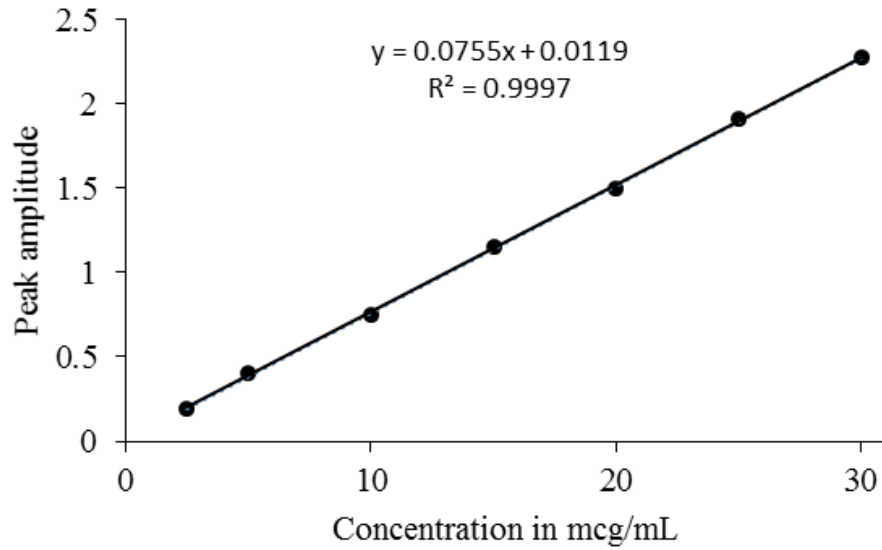
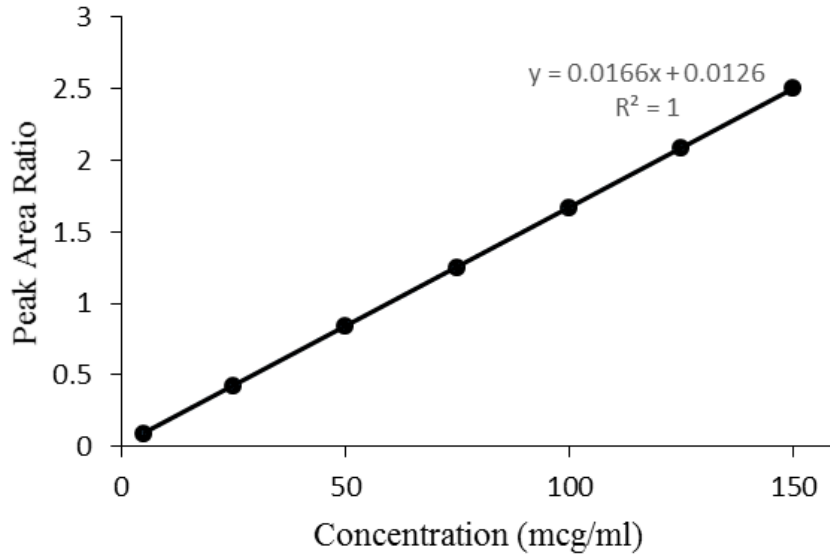


Fig S3: Calibration curves for RGE and MFH by RP-HPLC method

Calibration curve for Remogliflozin



Calibration Curve for Metformin

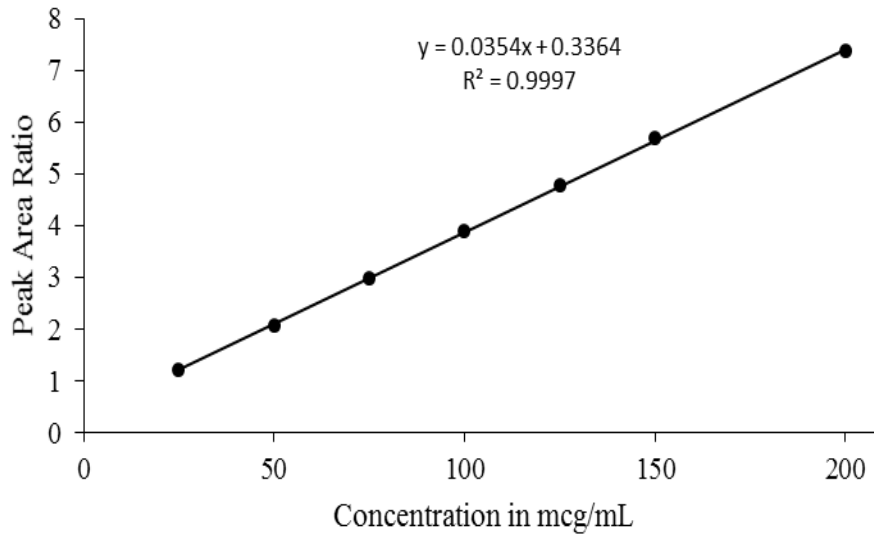


Figure S4

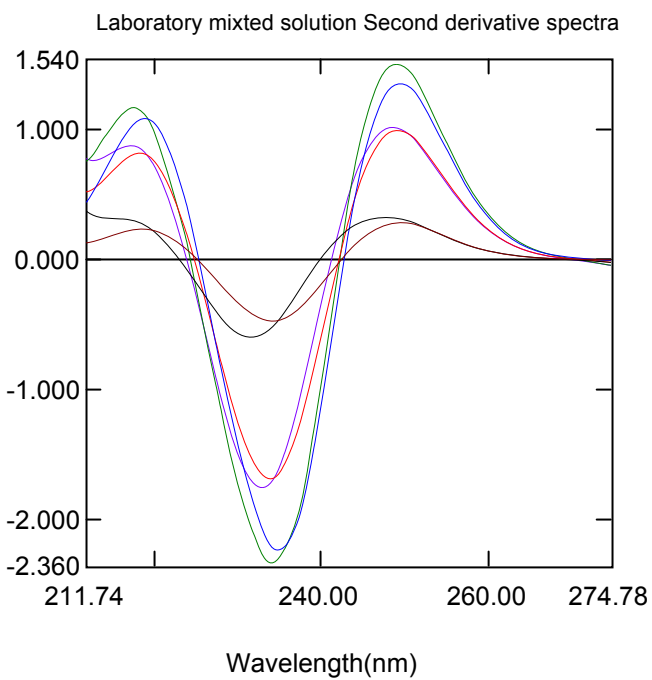
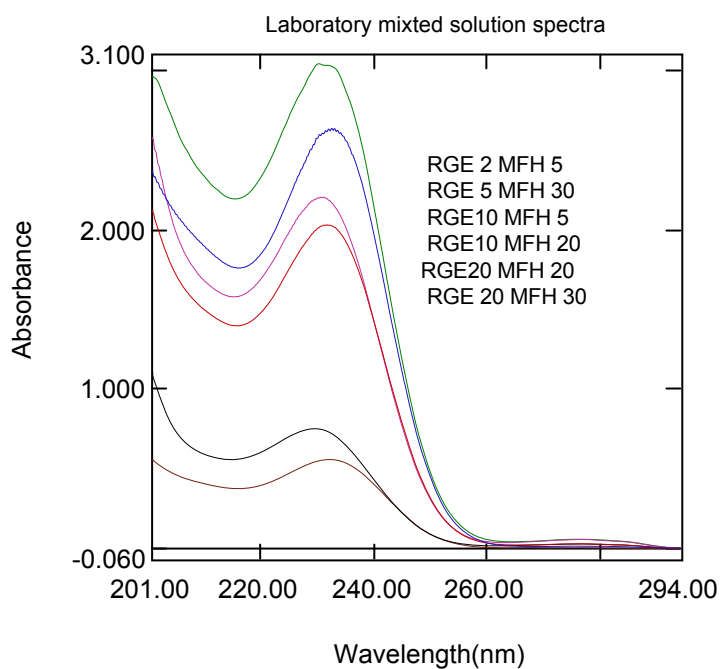
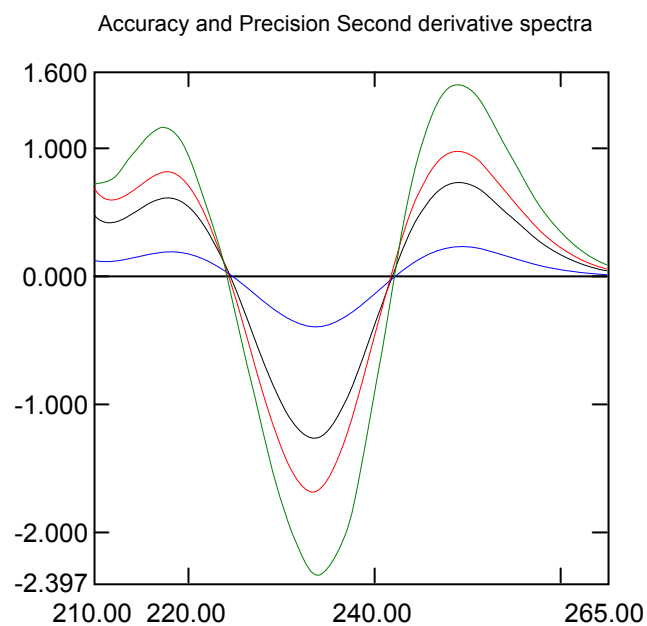
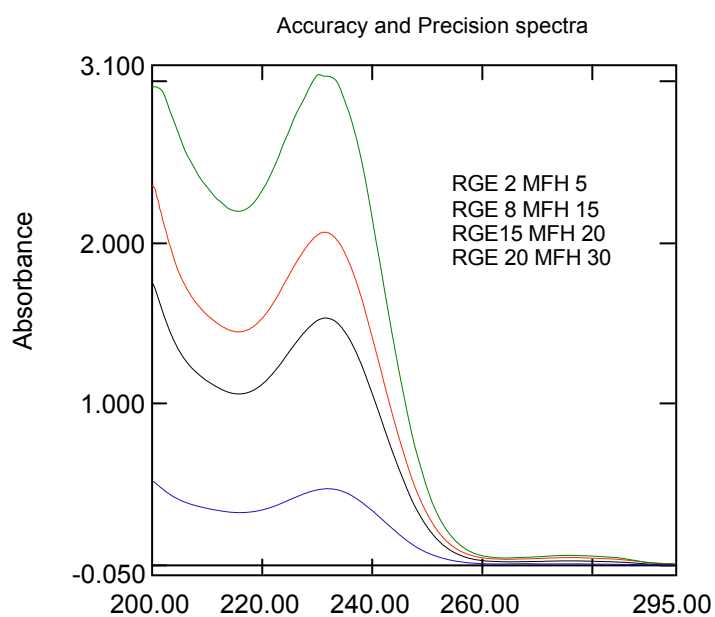
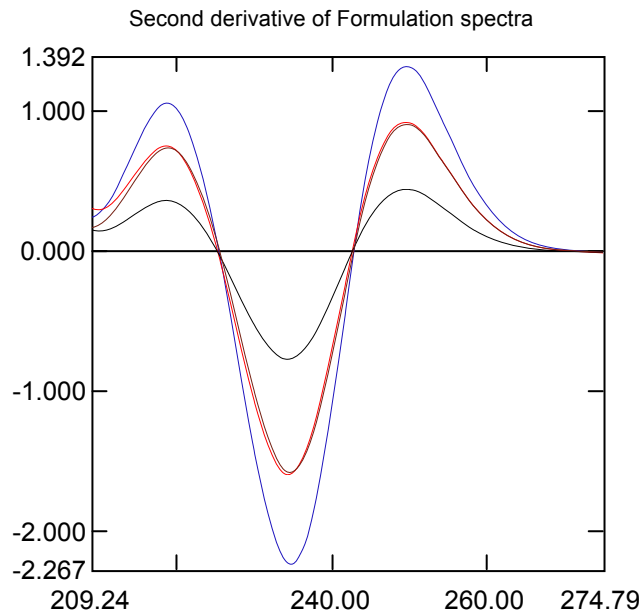
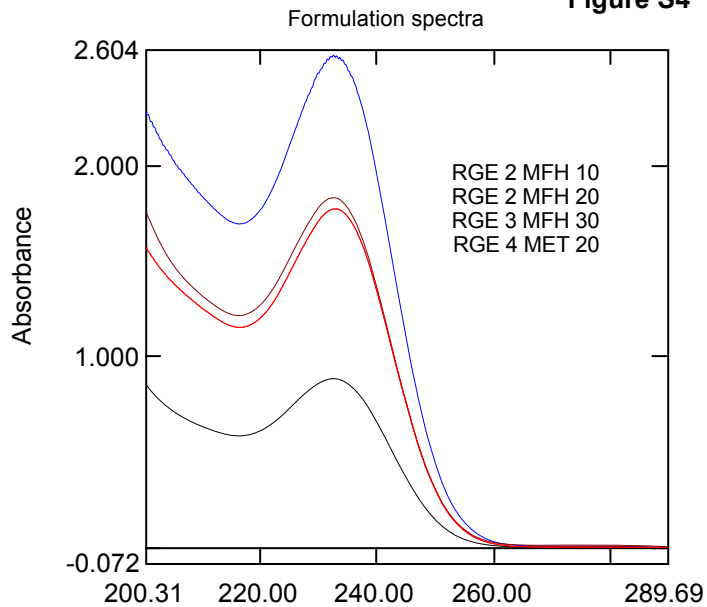


Table S1: Results of Box Behnken model for robustness study

Flow Rate	Percent Acetonitrile	pH	Peak Area Ratio MFH/IS	Peak Area Ratio RGE/IS
2.2	42.0	3.7	4.564	0.969
2.2	44.0	3.5	4.386	0.910
1.8	40.0	3.5	5.009	0.995
2.0	42.0	3.5	4.589	0.904
1.8	44.0	3.5	4.221	0.903
2.0	44.0	3.3	4.345	0.930
2.0	42.0	3.5	4.497	0.898
1.8	42.0	3.3	4.200	0.895
2.0	42.0	3.5	4.501	0.887
1.8	42.0	3.7	4.122	0.745
2.2	42.0	3.3	4.408	0.947
2.0	40.0	3.3	4.467	0.015
2.0	40.0	3.7	4.162	0.708
2.0	42.0	3.5	4.459	0.895
2.0	42.0	3.5	4.501	0.887
2.0	44.0	3.7	4.201	0.809
2.2	40.0	3.5	4.614	0.900