



Figure 3.26. Chromatogram of amlodipine, glimepiride, and atorvastatin when prepared in plasma and temperature set at 22 °C

Furthermore, the effect of 5% change of the ACN in the mobile phase was evaluated on the detection parameters of drug containing solutions and in plasma. The RSD% values were less than 2% in either matrix (Table 3.32-3.35) and Fig. (3.24-3.27).

Table 3.35. Effect of 5% increase of ACN in the mobile phase on the detection parameters

Parameters	Amlodipine	Glimepiride	Atrovastatin
Area	224997	249565	215560
RSD%	0.09	0.62	0.25
Theoretical plates	8152	9283	9014
Asymmetry	1.28	1.15	1.14
Resolution	N.A	4.85	5.56