3.1.3.3 Autosampler stability

QC low (150 ng/ml)

The highest accuracy % of mean predicted value was 104.38% at zero hour while the lowest accuracy % was 100.94% obtained at 24 hours **(Table 3.10).**

Table 3.10 Propranolol QC low samples (150 ng/ml) results for autosampler stability test (n=3).

Time (hour)	Propranolol Area	Sildenafil Area	Ratios	Measured Conc.	Mean Measured	Accuracy %	Mean accuracy %
Zero	5123	124634	0.0411	159.203		106.14	
	5130	129186	0.0397	154.332	156.575	102.89	104.38
	5071	126013	0.0402	156.189		104.13	
24.00	4541	117343	0.0387	150.797		100.53	
	4461	113077	0.0395	153.426	151.412	102.28	100.94
	4582	119094	0.0385	150.012		100.01	

QC high (2500 ng/ml)

The highest accuracy % of mean predicted value was 102.61% at zero hour while the lowest accuracy % was 100.71% obtained at 24 hours **(Table 3.11).**

Table 3.11 Propranolol QC high samples (2500 ng/ml) results for autosampler stability test (n=3).

Time (hour)	Propranolol Area	Sildenafil Area	Ratios	Measured Conc.	Mean Measured	Accuracy %	Mean accuracy %
Zero	94337	127516	0.7398	2600.243		104.01	
	93414	126369	0.7392	2598.185	2565.135	103.93	102.61
	86246	121431	0.7102	2496.976		99.88	
24.00	92564	123385	0.7502	2636.575		105.46	
	65132	96297	0.6764	2378.606	2517.642	95.14	100.71
	91308	126480	0.7219	2537.746		101.51	

* Corresponding calibration curve used in the calculation of measured concentrations of autosampler stability test is shown in **table 3.18**.