3.1.3.2 Sample stability after preparation at room temperature (Bench- Top stability)

QC low (150 ng/ml)

The highest accuracy % of mean predicted value was 104.38% at zero hour while the lowest accuracy % was 103.28% obtained at 24 hours **(Table 3.8).**

Table 3.8 Propranolol QC low samples (150 ng/ml) results for bench-top 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	156.575	106.14	104.38
	5130	129186	0.0397	154.332		102.89	
	5071	126013	0.0402	156.189		104.13	
24.00	4979	127195	0.0391	159.776	154.922	106.52	103.28
	4854	131560	0.0369	151.622		101.08	
	4793	128234	0.0374	153.367		102.24	

QC high (2500 ng/ml)

The highest accuracy % of mean predicted value was 103.24% at 24 hour while the lowest accuracy % was 102.61% obtained at zero hour **(Table 3.9).**

Table 3.9 Propranolol QC high samples (2500 ng/ml) results for bench-top stability test (n=3).

Time (hour)	Propranolol Area	Sildenafil Area	Ratios	Measured Conc.	Mean Measured	Accuracy %	Mean accuracy %
Zero	94337	127516	0.73981	2600.243	2565.135	104.01	102.61
	93414	126369	0.73922	2598.185		103.93	
	86246	121431	0.71025	2496.976		99.88	
24.00	91069	129382	0.70388	2569.946	2581.067	102.80	103.24
	91102	127189	0.71627	2614.890		104.60	
	92083	131419	0.70068	2558.364		102.33	

* Corresponding calibration curve used in the calculation of measured concentrations of bench-top stability test is shown in **table 3.17.**