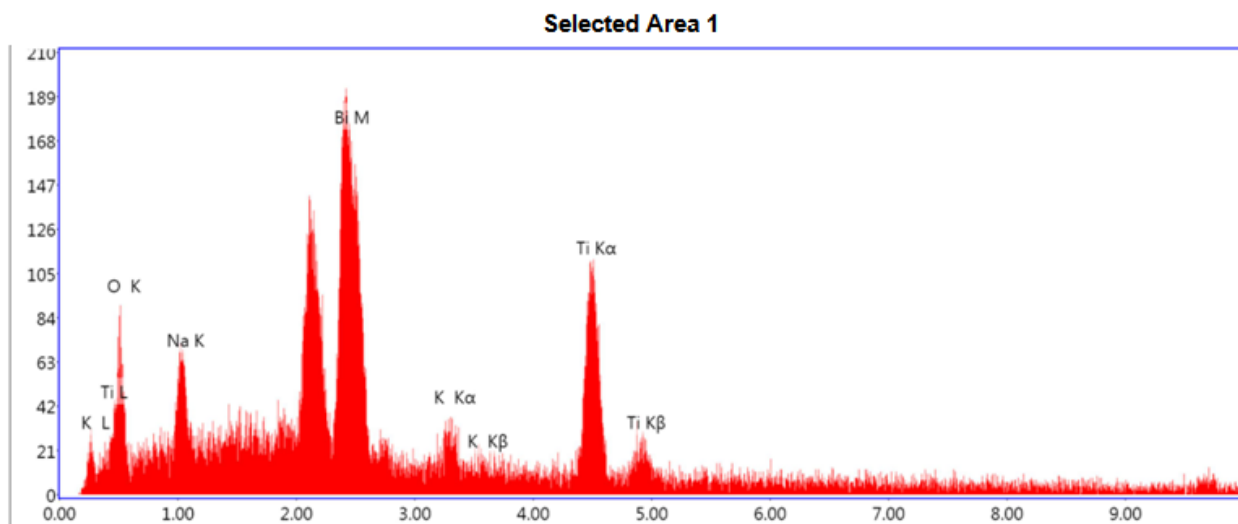
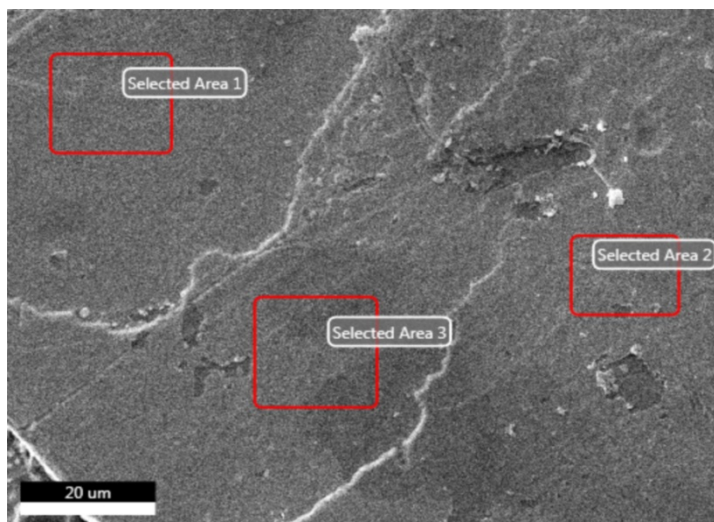
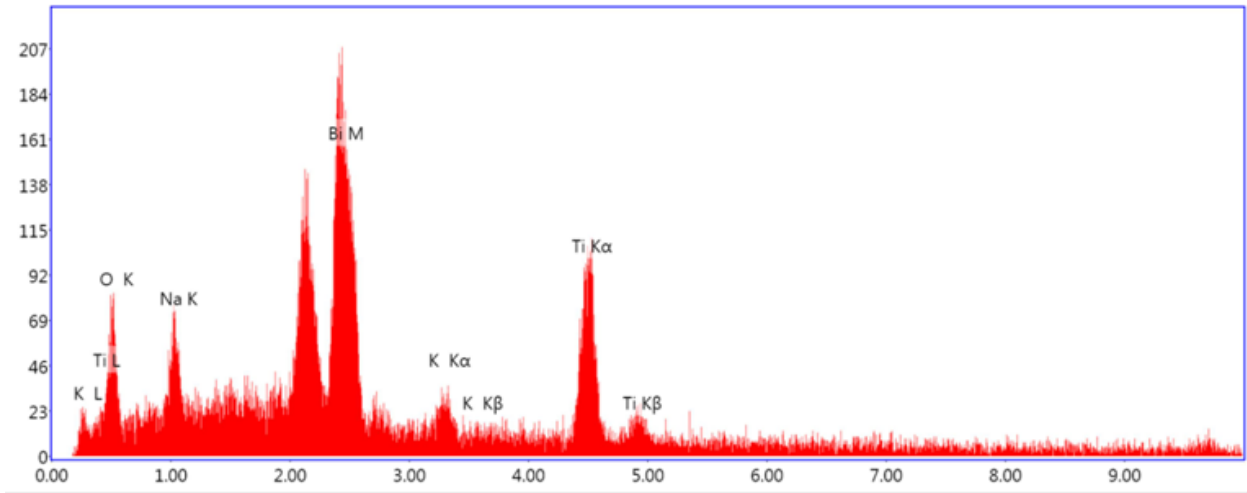


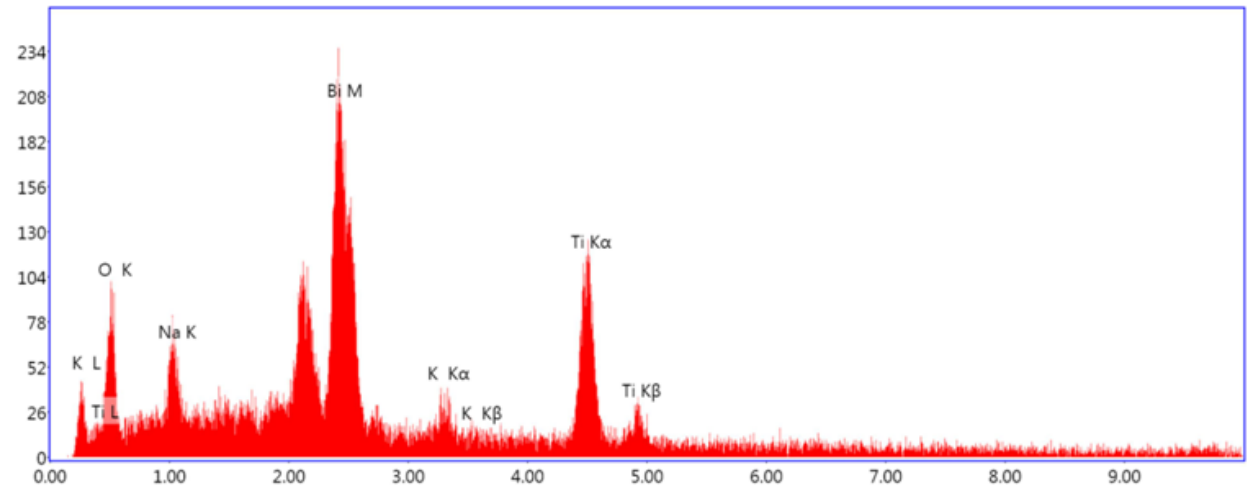
Compositional analysis by EDAX at three random positions over the surface of BNKT single crystal is tabulated below. The instrument used for the study is Jeol JSM 6610LV scanning electron microscope.



Selected Area 2



Selected Area 3



S.No	Elements (wt%)				
	K	Na	Bi	Ti	O
1.	2.57	8.53	39.41	27.01	22.48
2.	2.45	8.82	39.70	25.93	23.09
3.	2.04	7.61	39.53	26.07	24.75
AVERAGE	2.35	8.32	39.56	26.33	23.44

On the basis of EDAX analysis, the concentration for the as-grown crystal was found to be $0.77(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3 - 0.23(\text{K}_{0.5}\text{Bi}_{0.5})\text{TiO}_3$

Other References consulted for compositional analysis with similar elements present are as follows:

1. R. Sun et al. / J. Appl. Phys. 109, 124113 (2011): 0.92NBT-0.08KBT single crystals were obtained with a starting composition of 0.70NBT-0.30KBT powder.
2. S. Zlotnik et al./ Crystal Growth & Design, Vol. 10, No. 8 (2010) : K content of 17.41 at%.
3. Chen et al. / J. Appl. Phys. 108, 124106 (2010): NBBT94/6 single crystals were obtained from starting composition of NBBT88/12.