

### Supporting information

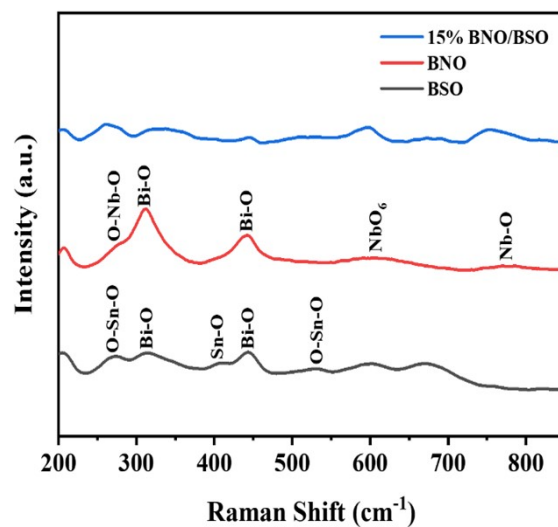


Fig.S1. Raman spectra of pure BNO, BSO and 15%BNO/BSO samples

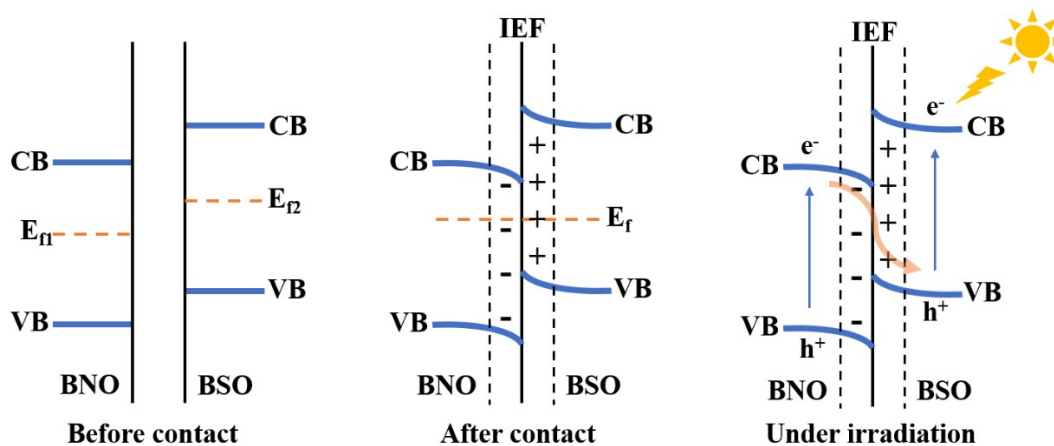


Fig.S2. Schematic diagram of charge transfer path at the BNO/BSO interface

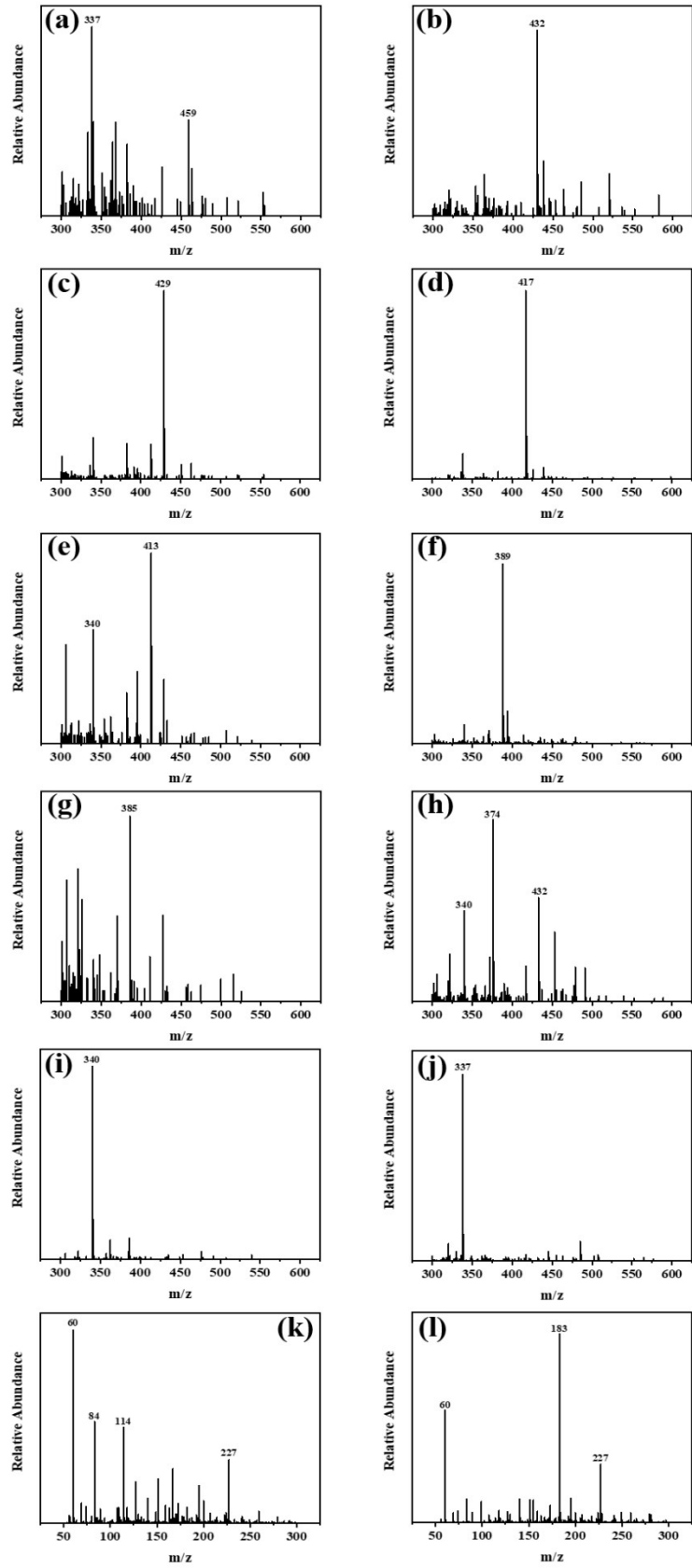


Fig.S3. Mass spectrum of the system when TC was degraded for 60min