

## Supporting Information

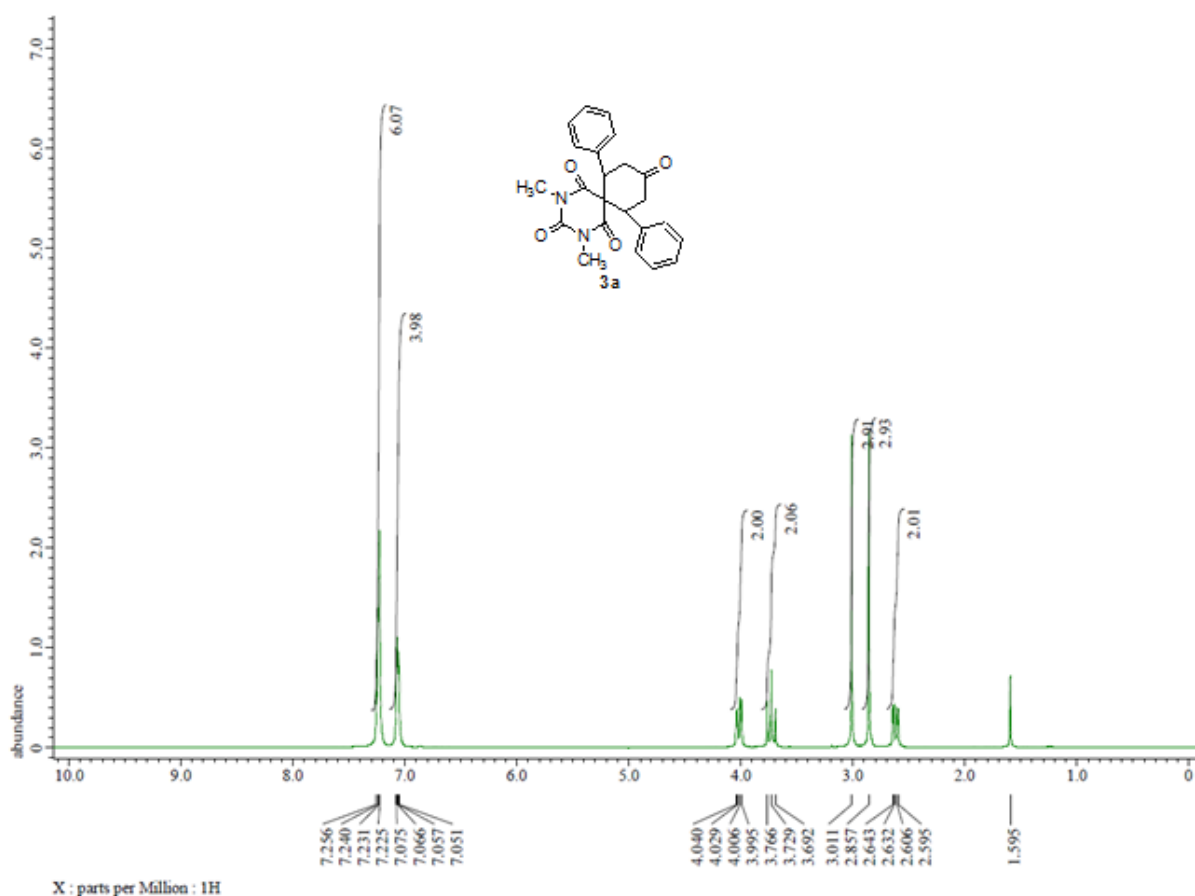
### An efficient catalyst free synthesis of nitrogen containing spiro heterocycles via [5 + 1] double Michael addition reaction

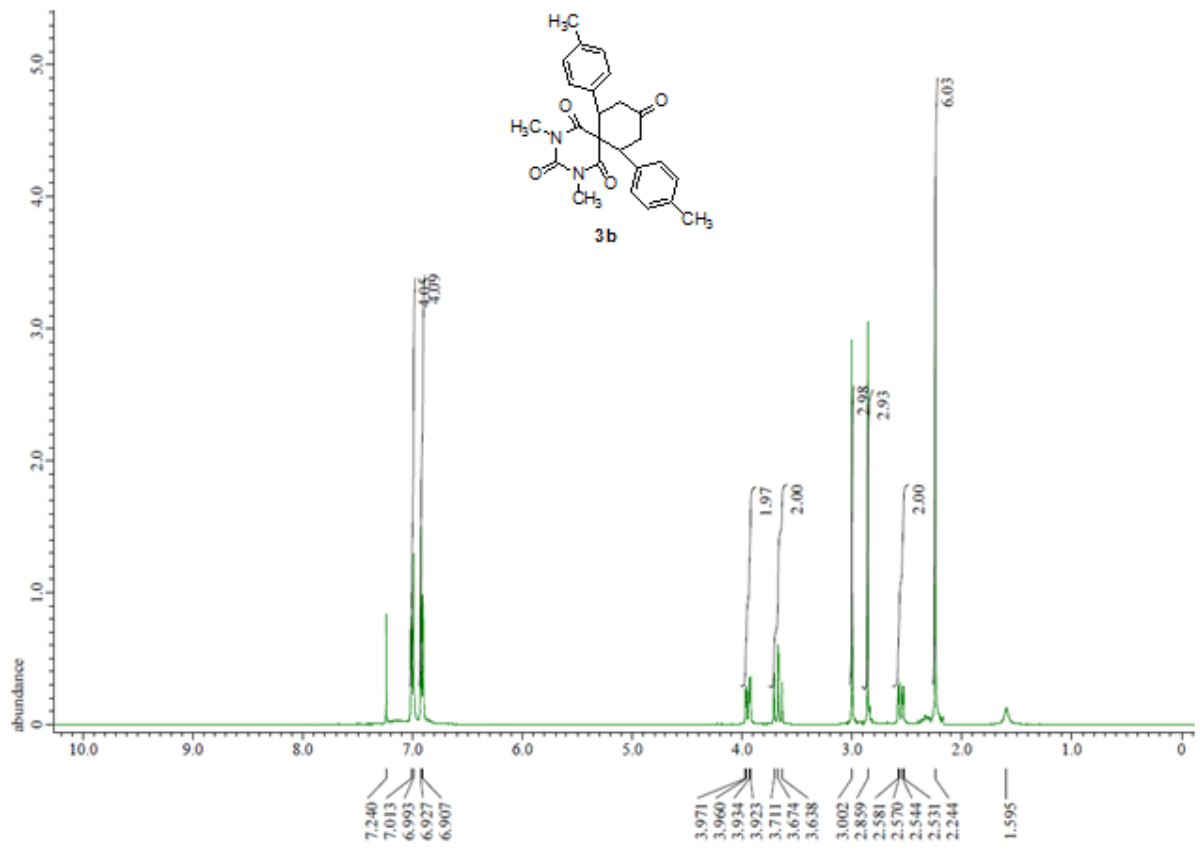
Komal Aggarwal<sup>a</sup>, Kanika Vij<sup>a</sup> and Jitender M. Khurana<sup>a\*</sup>

<sup>a</sup>Department of Chemistry, University of Delhi, Delhi-110007, India

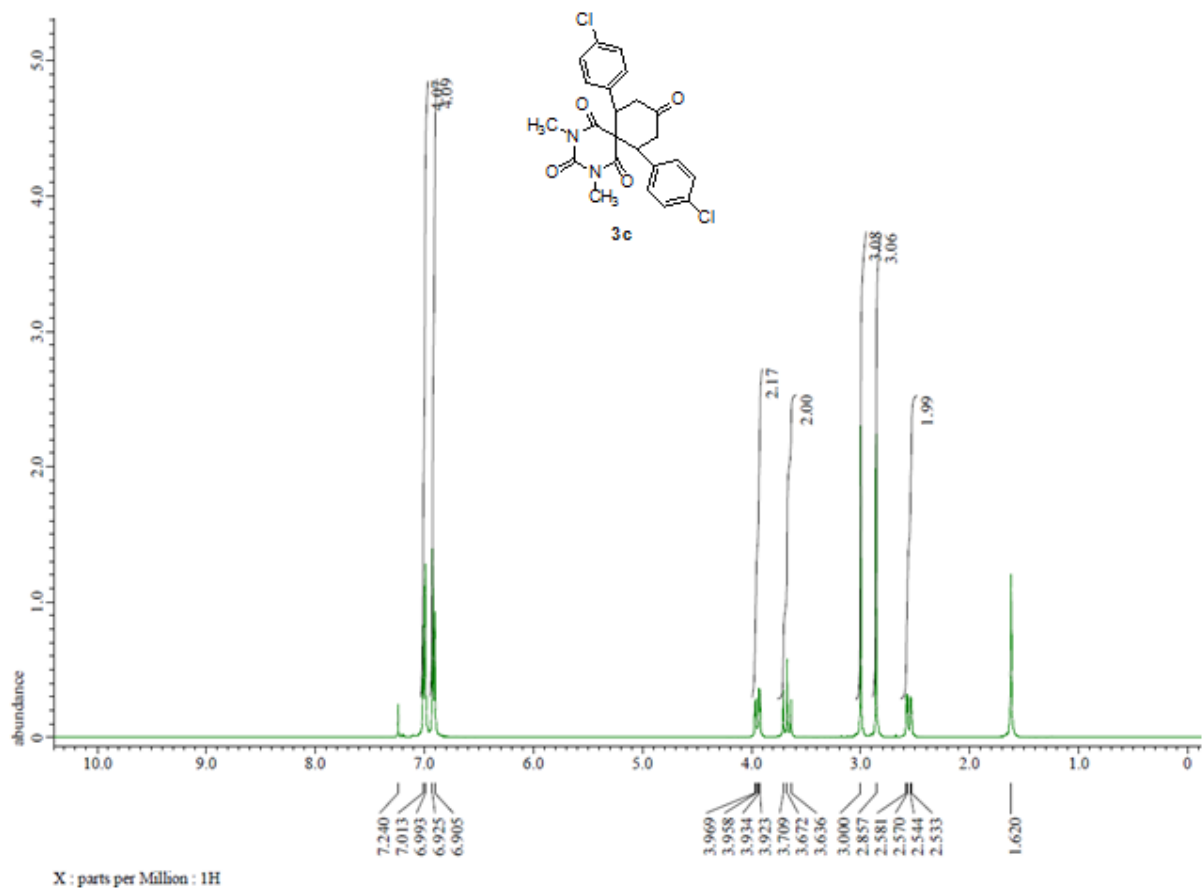
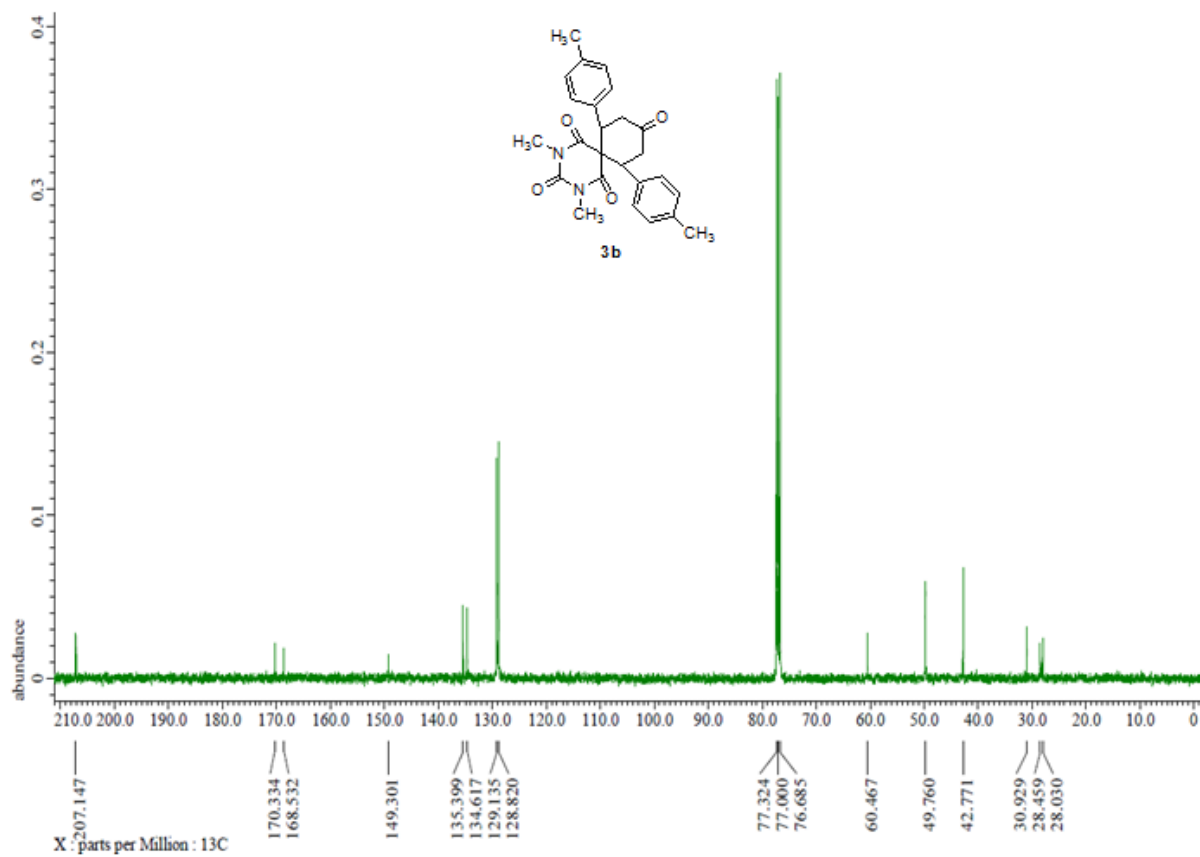
\*Corresponding author. Tel.: +91 11 2766772; fax: +91 1 27667624

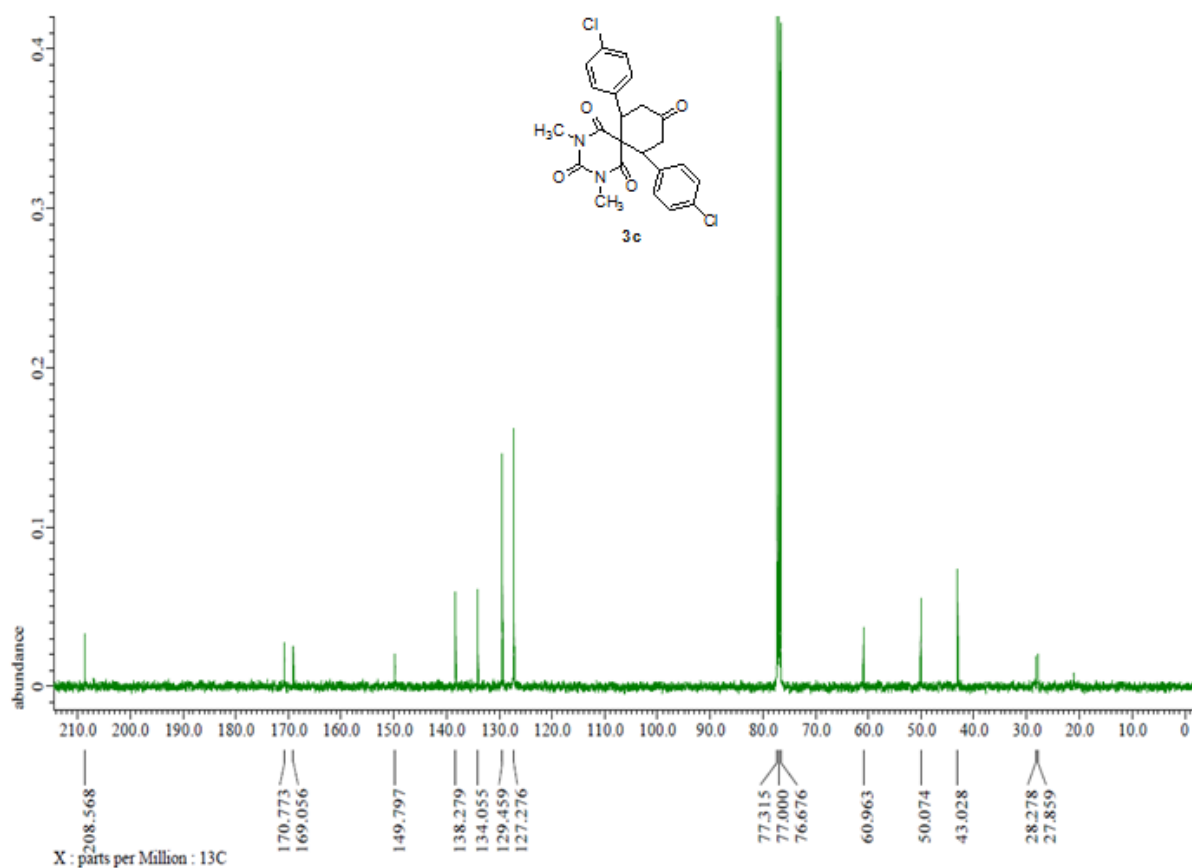
E-mail addresses: jmkhurana1@yahoo.co.in, jmkhurana@chemistry.du.ac.in

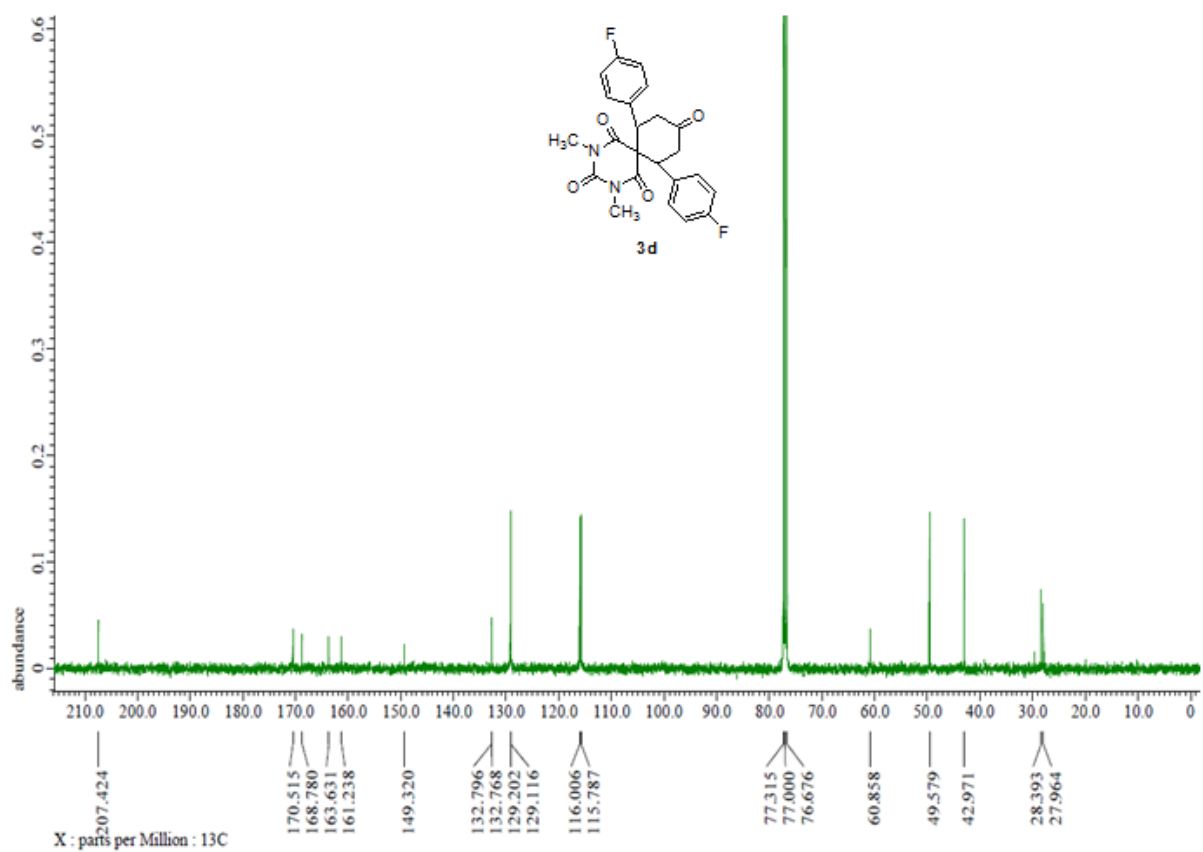
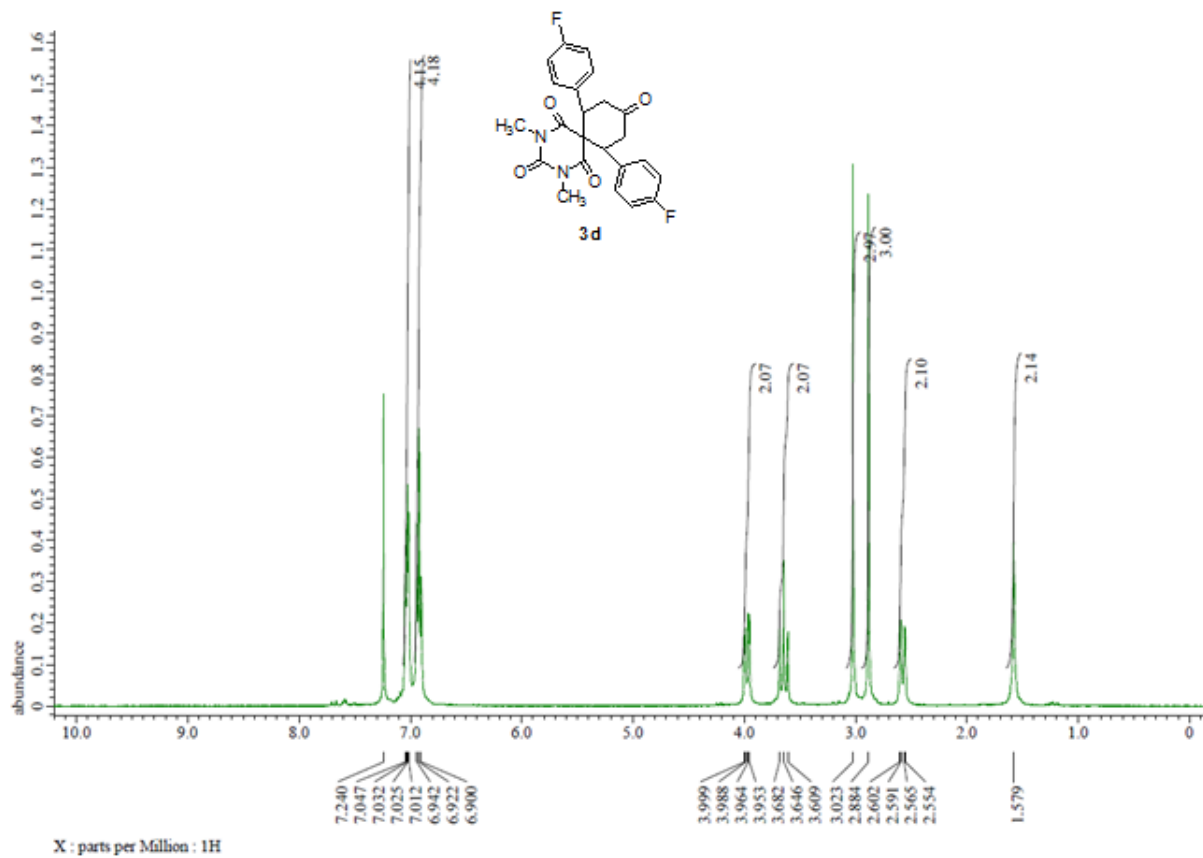


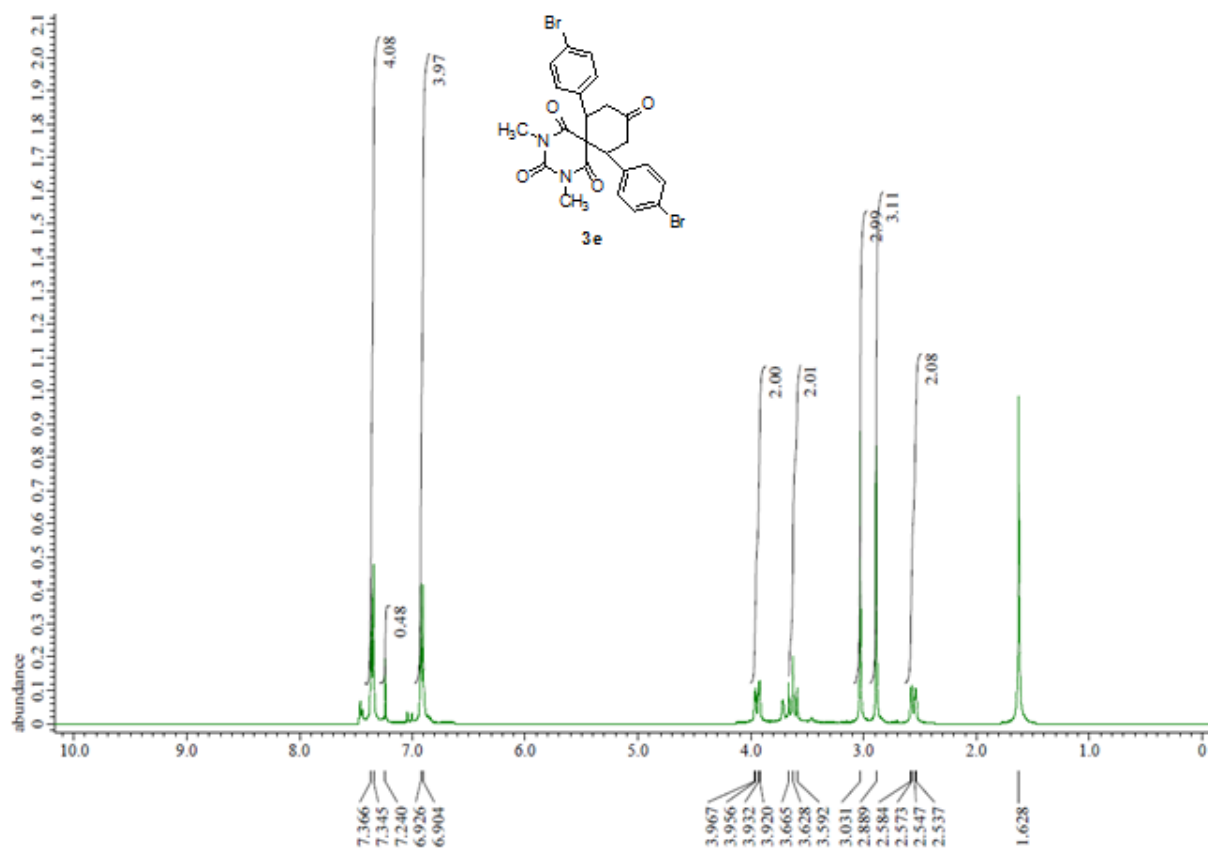


X : parts per Million : 1H

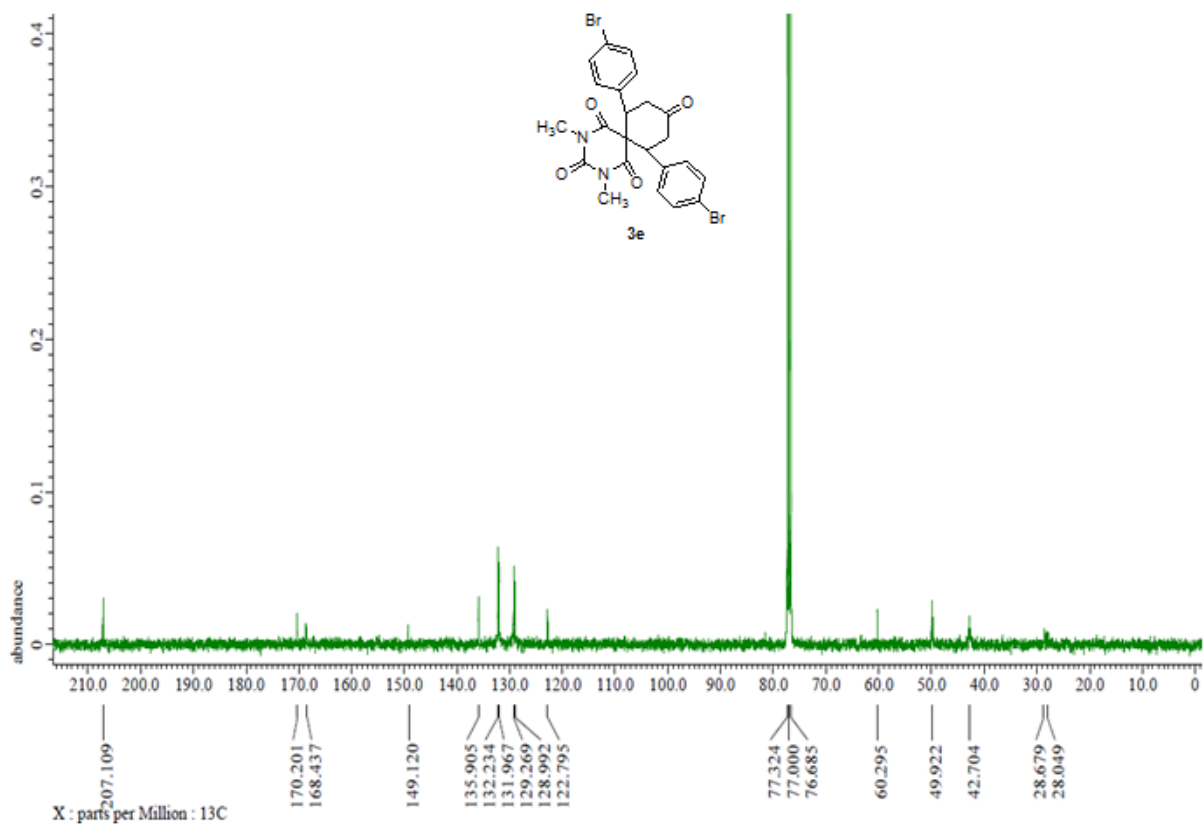


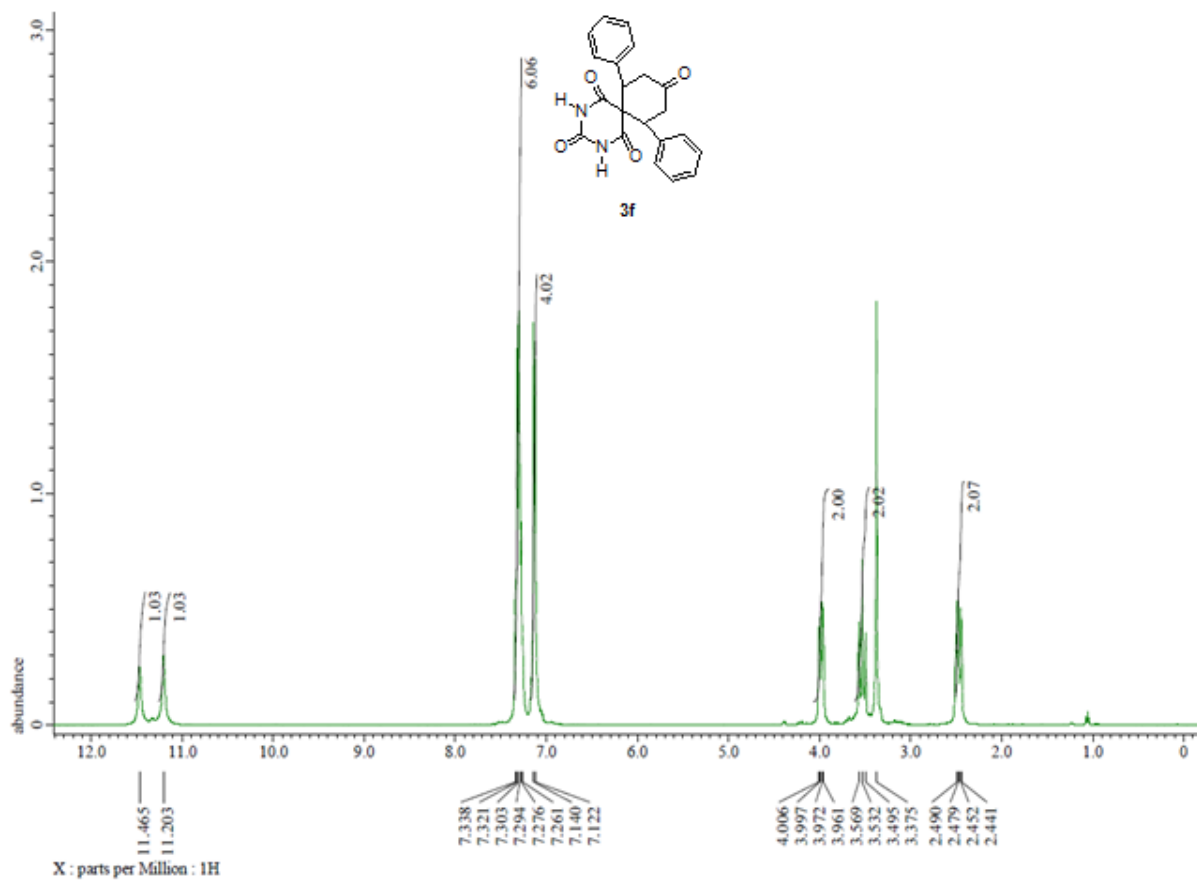




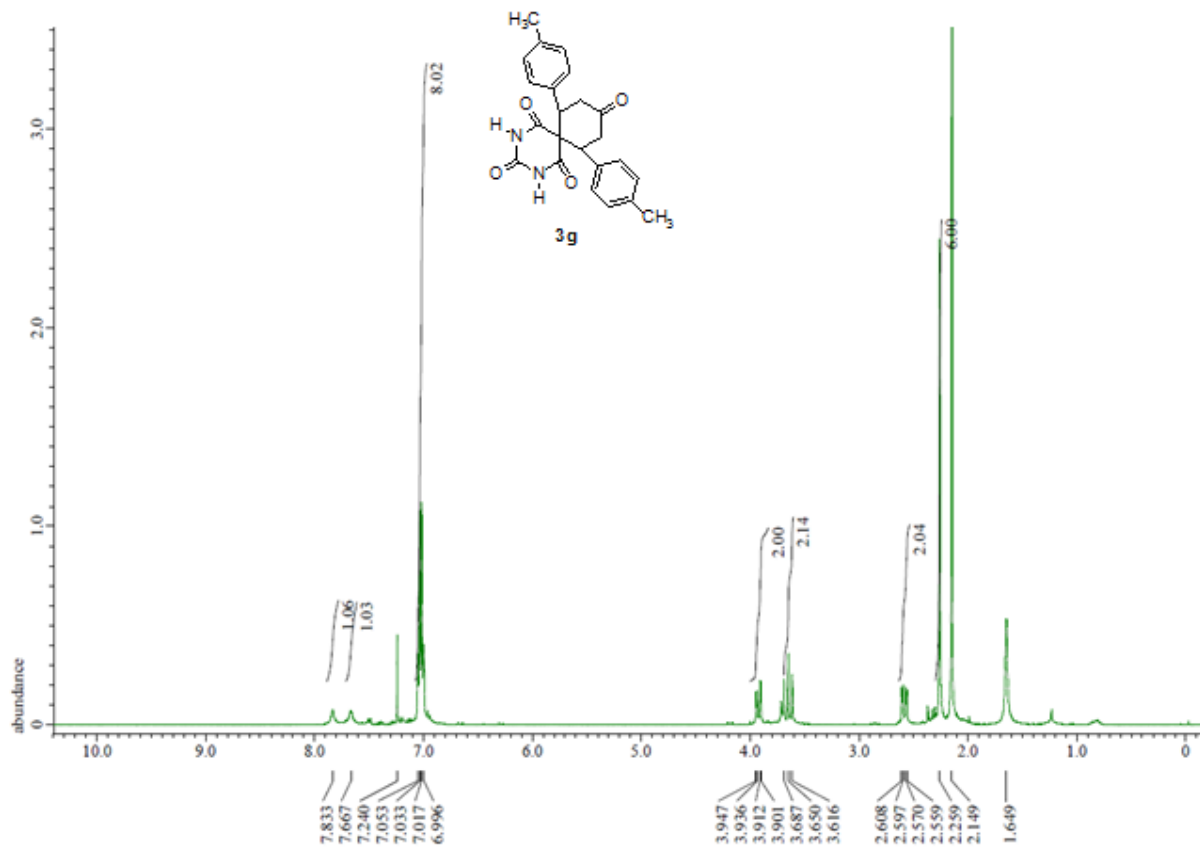


X : parts per Million : 1H

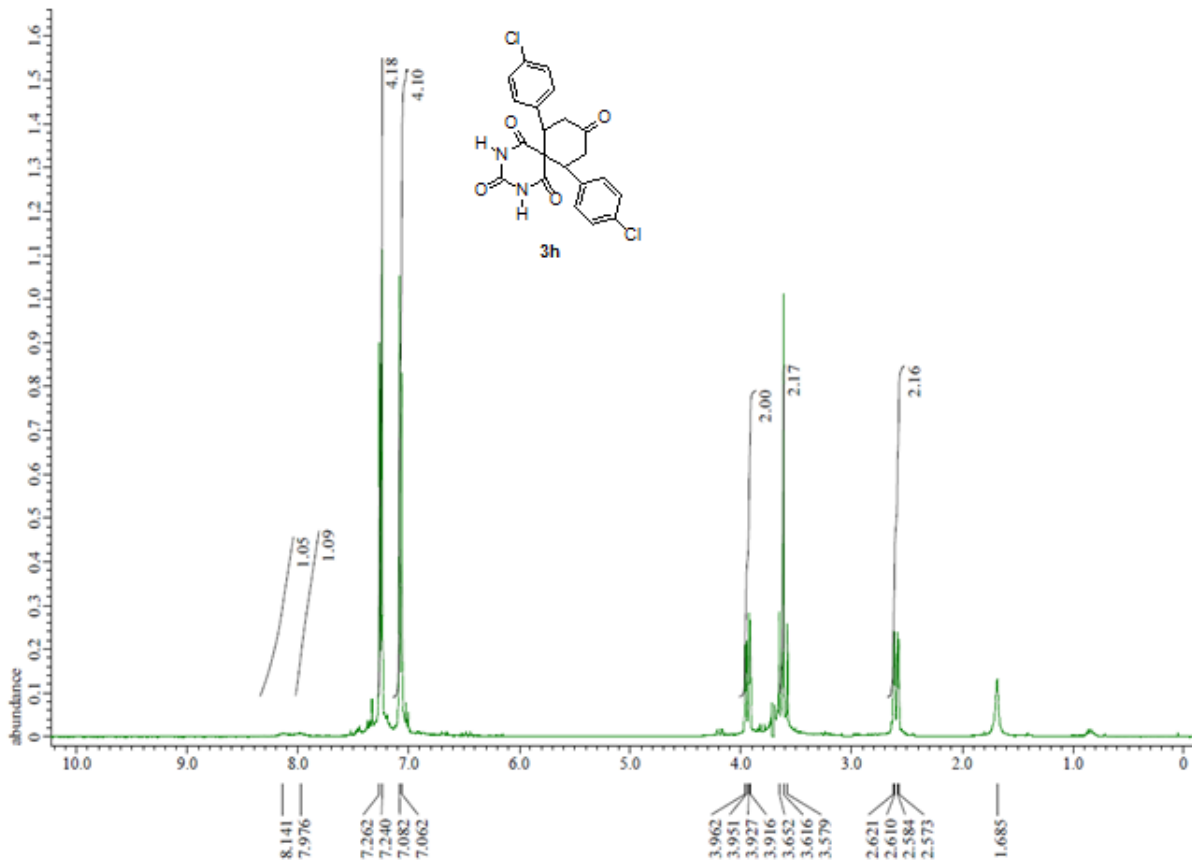




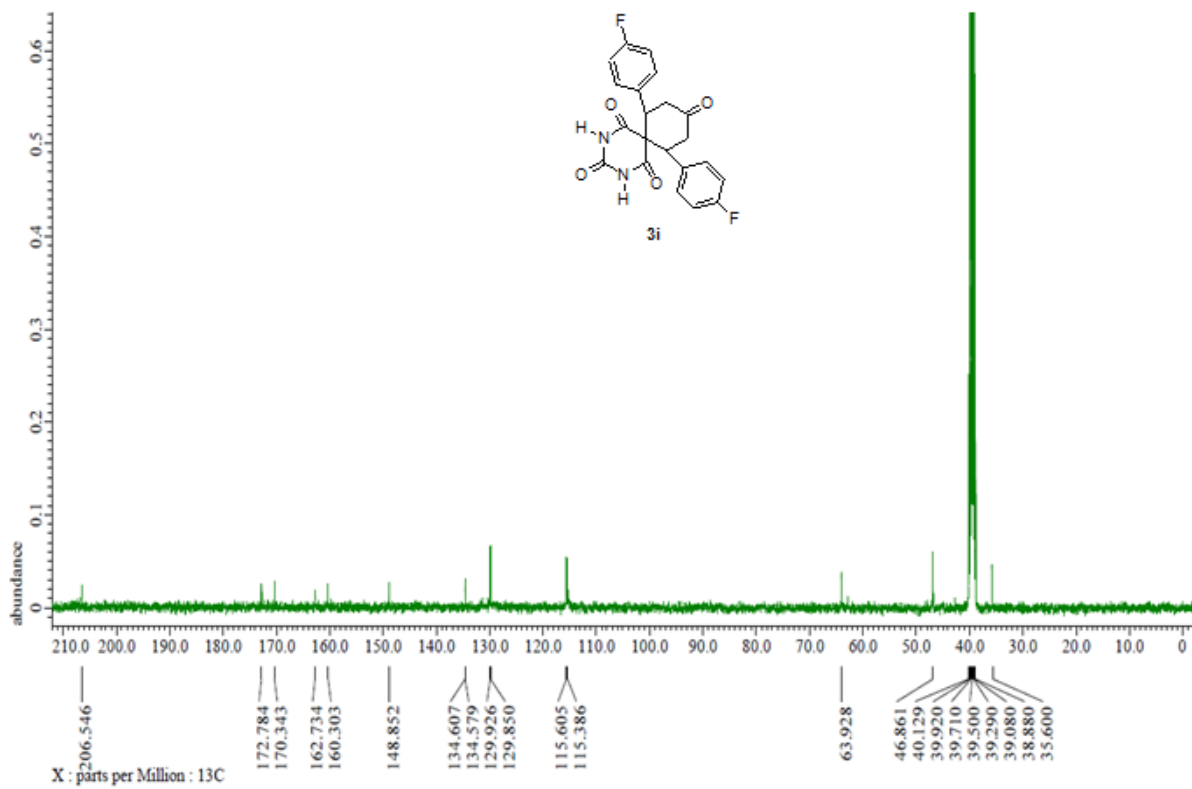
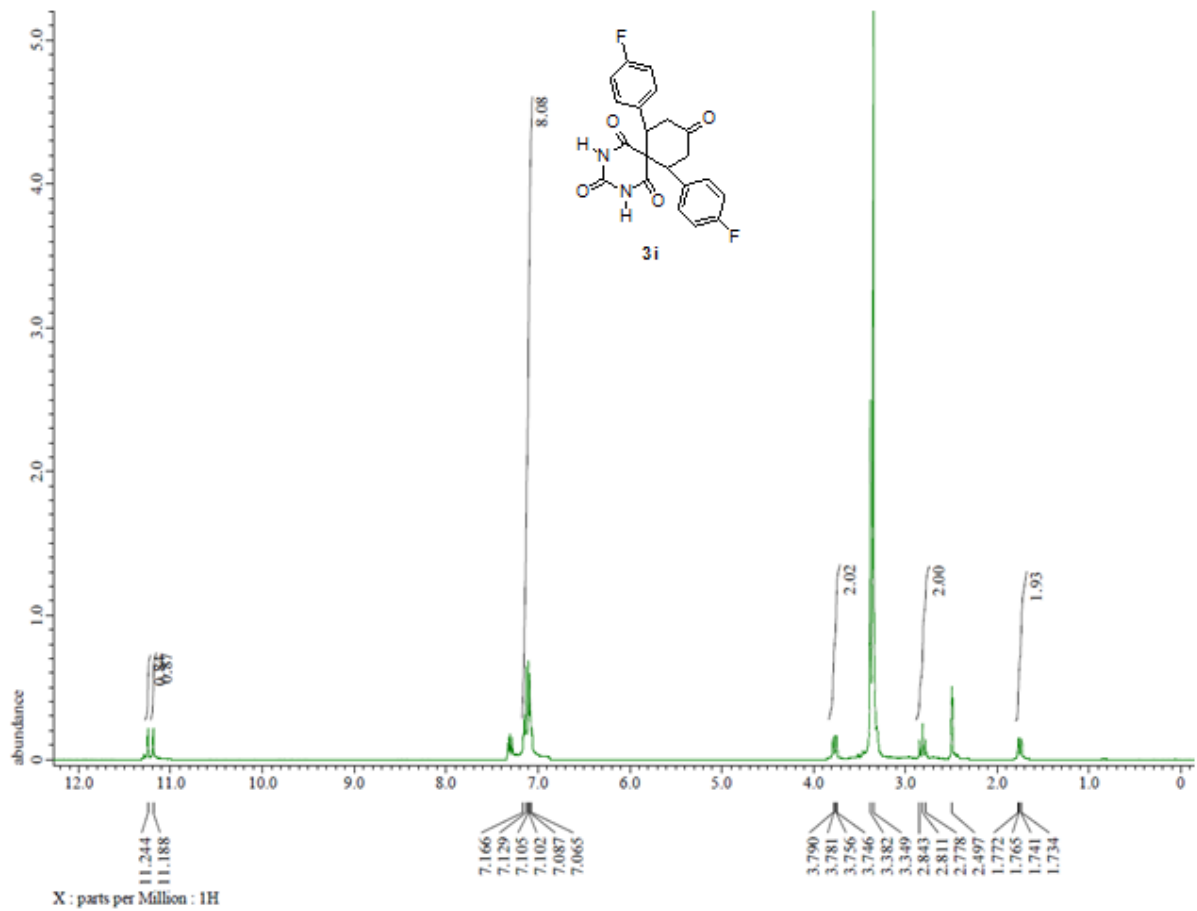


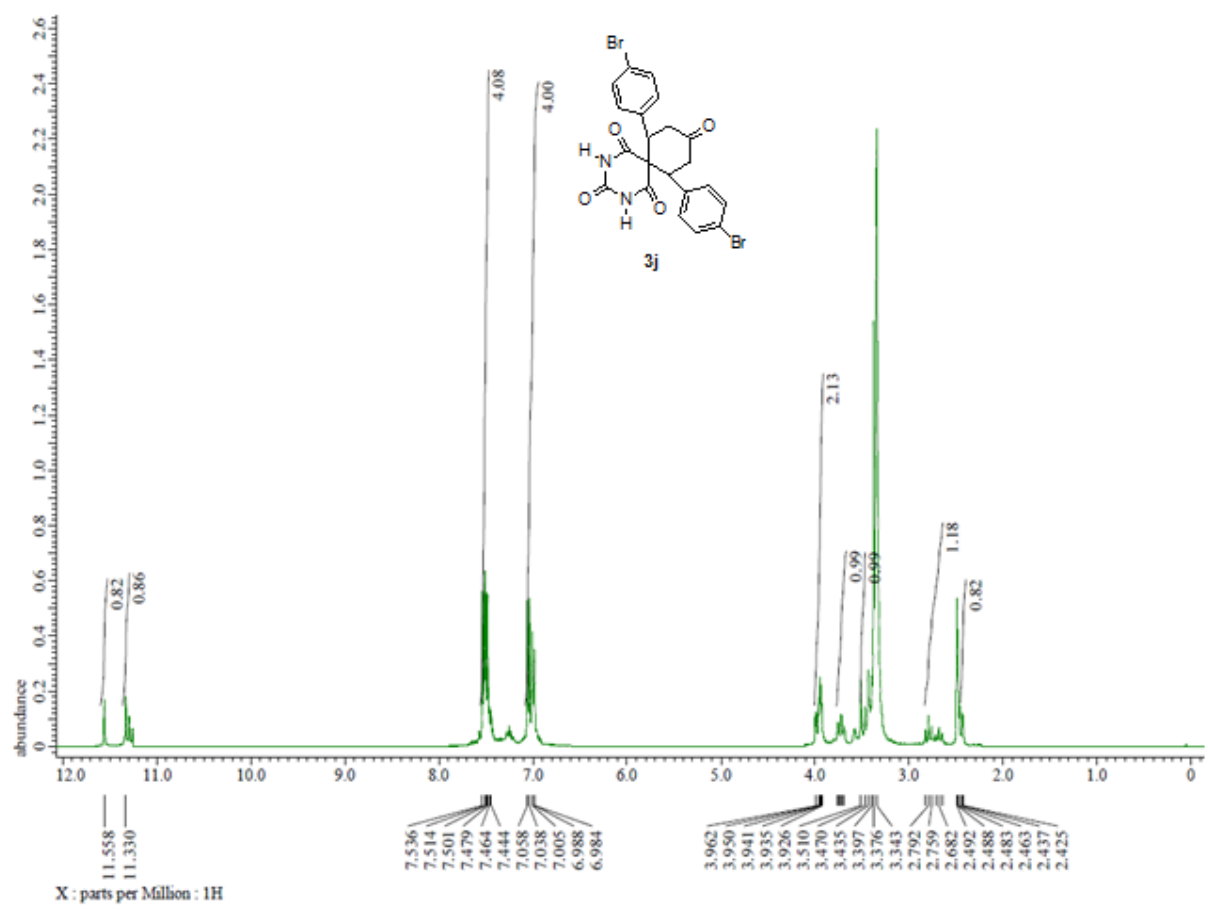


X : parts per Million : 1H



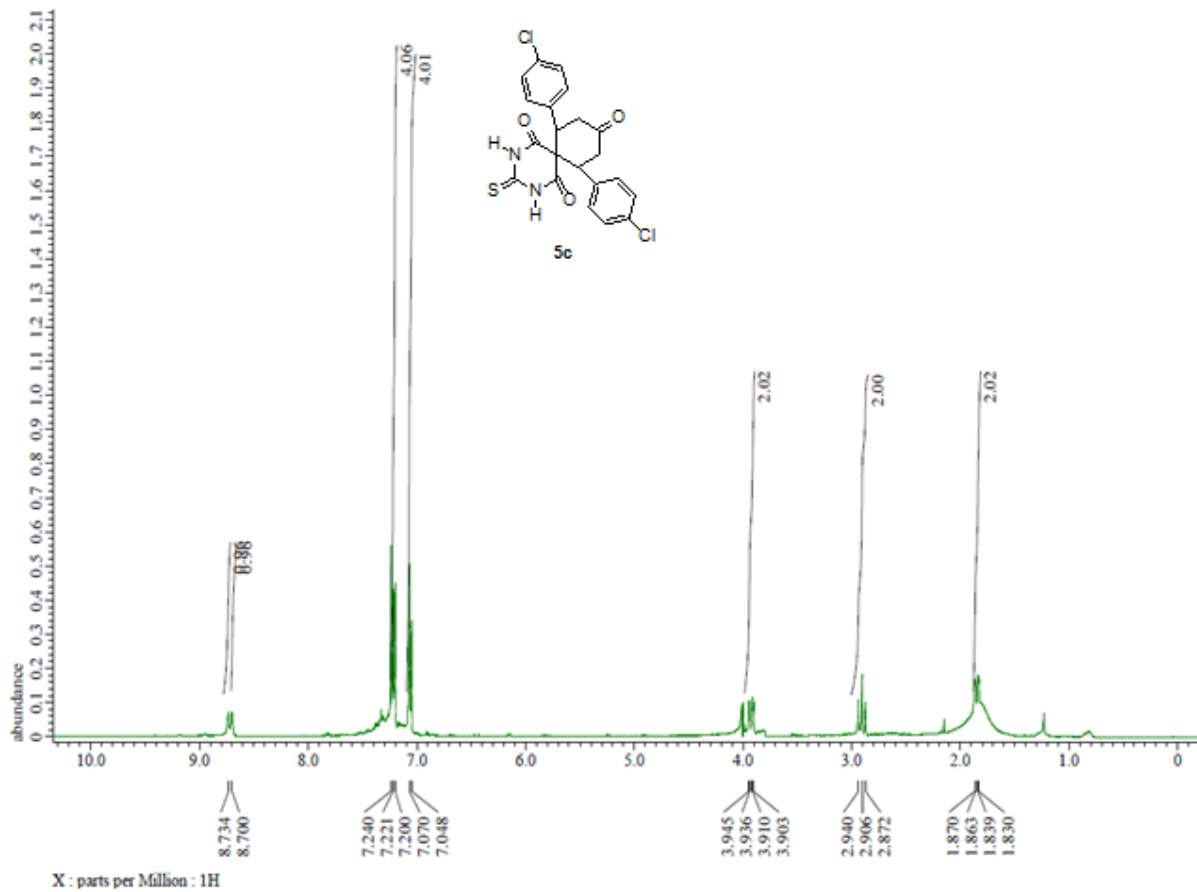
X : parts per Million : 1H

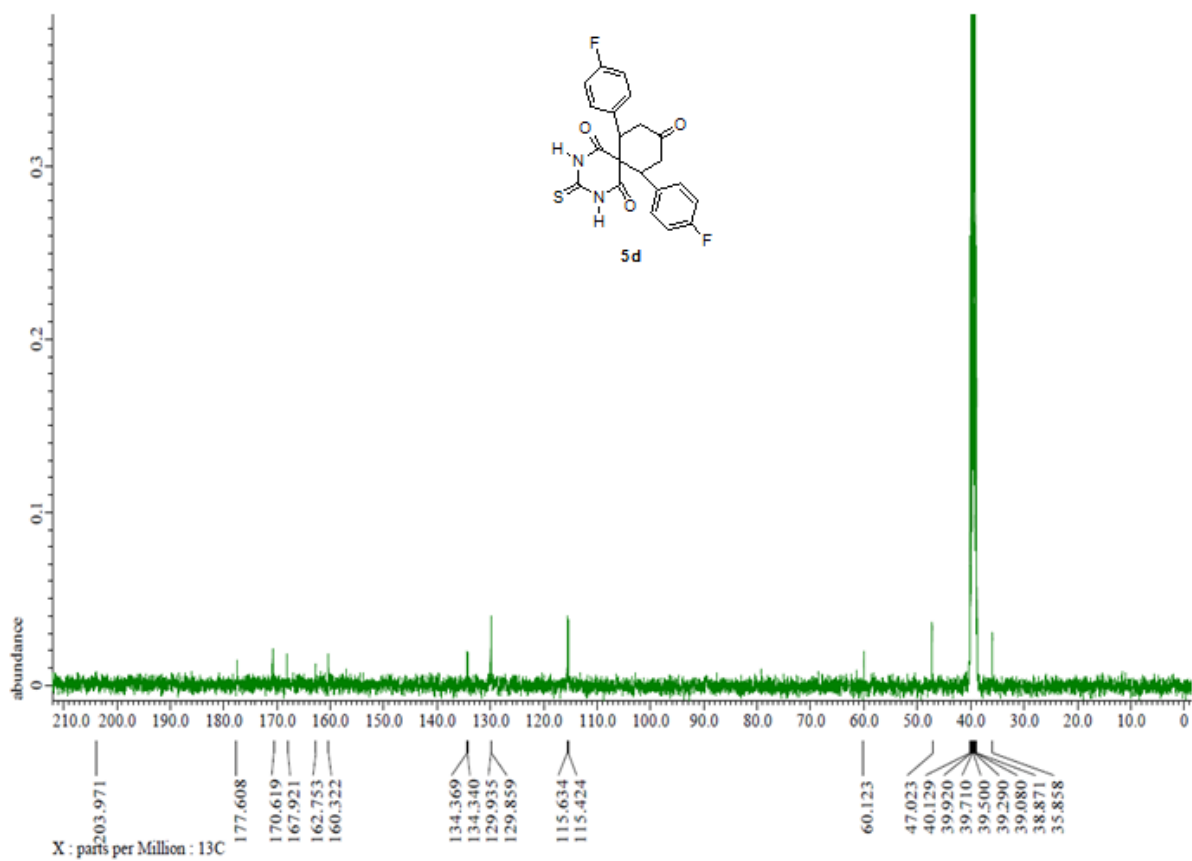
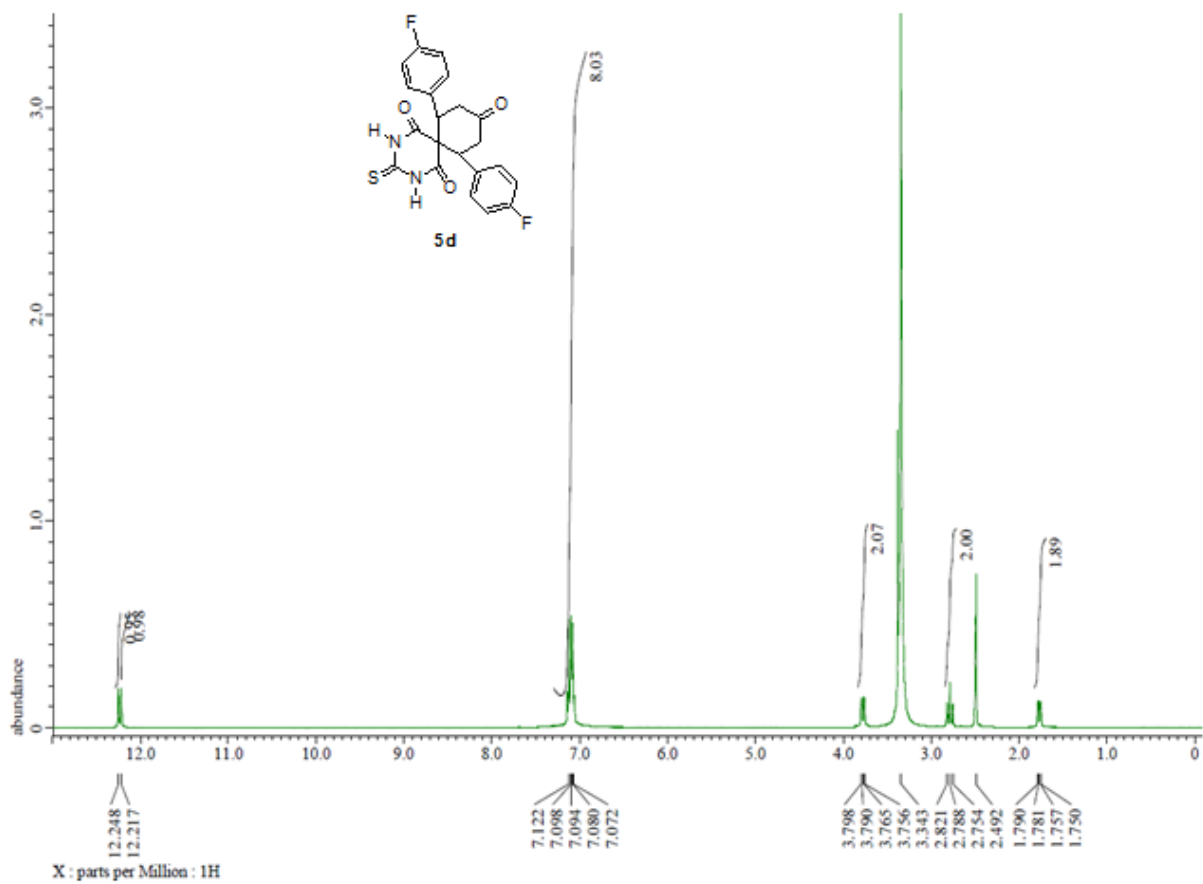




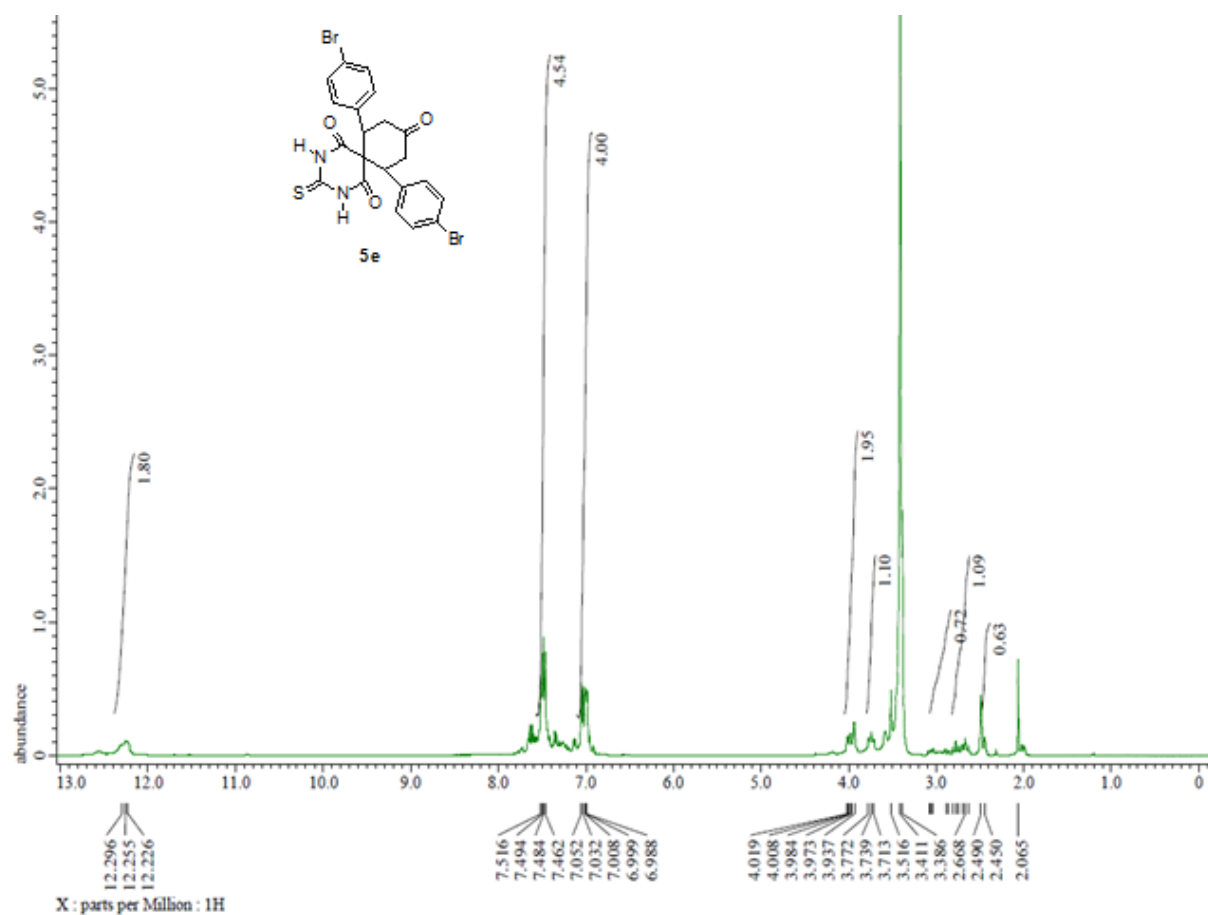


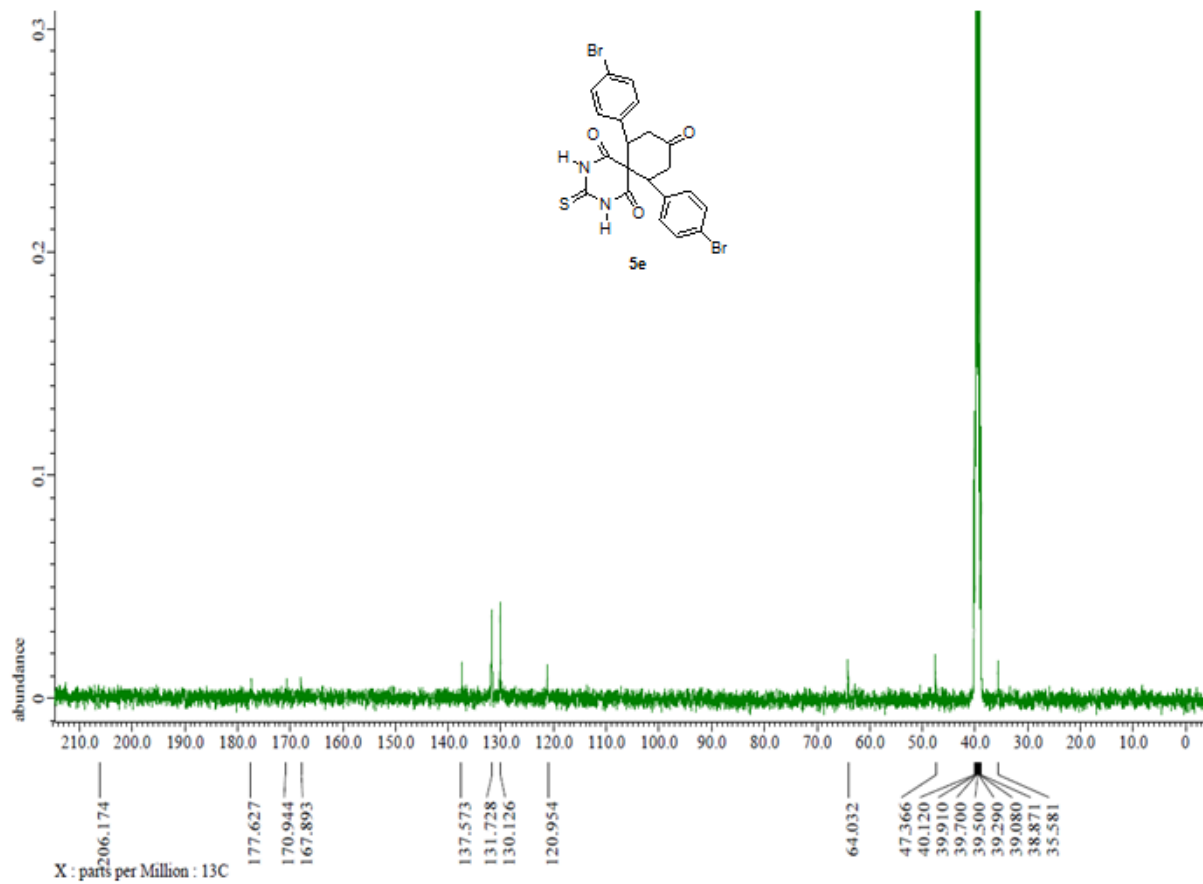


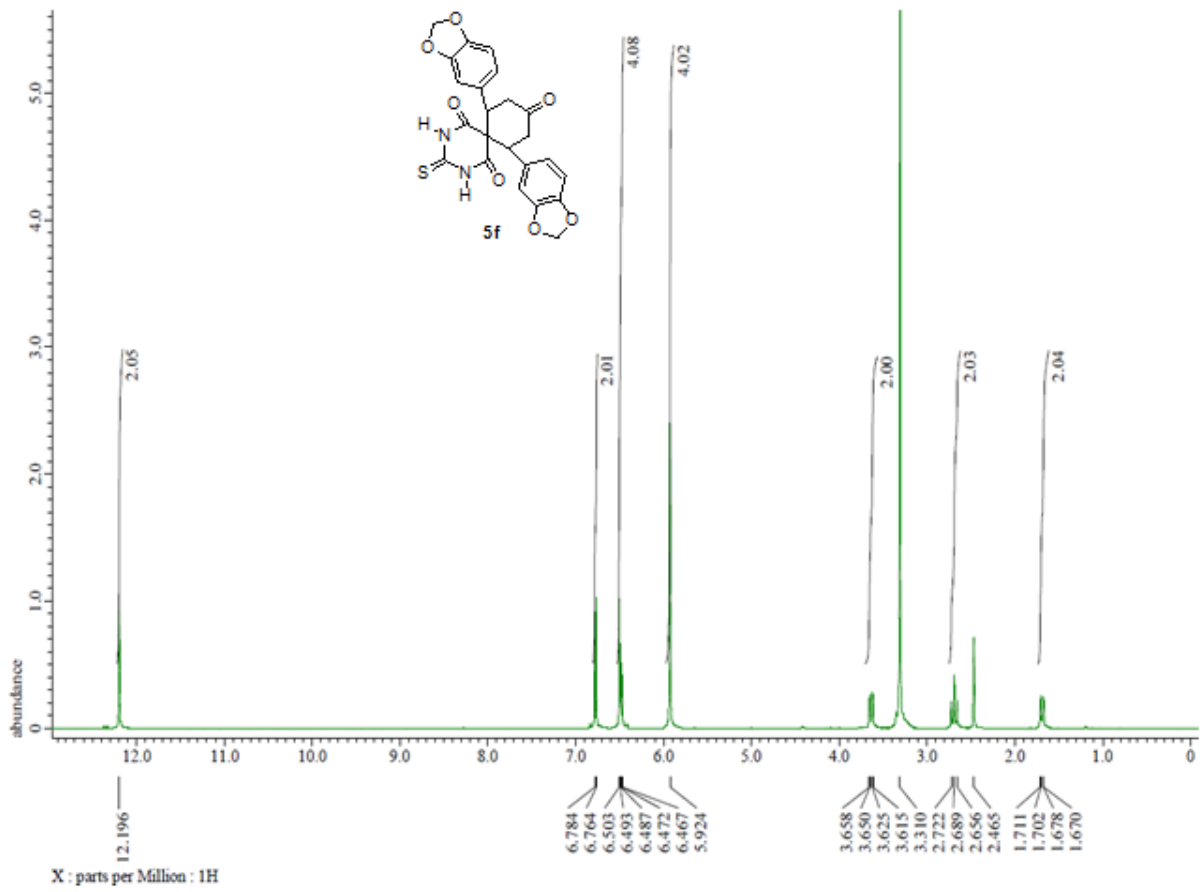


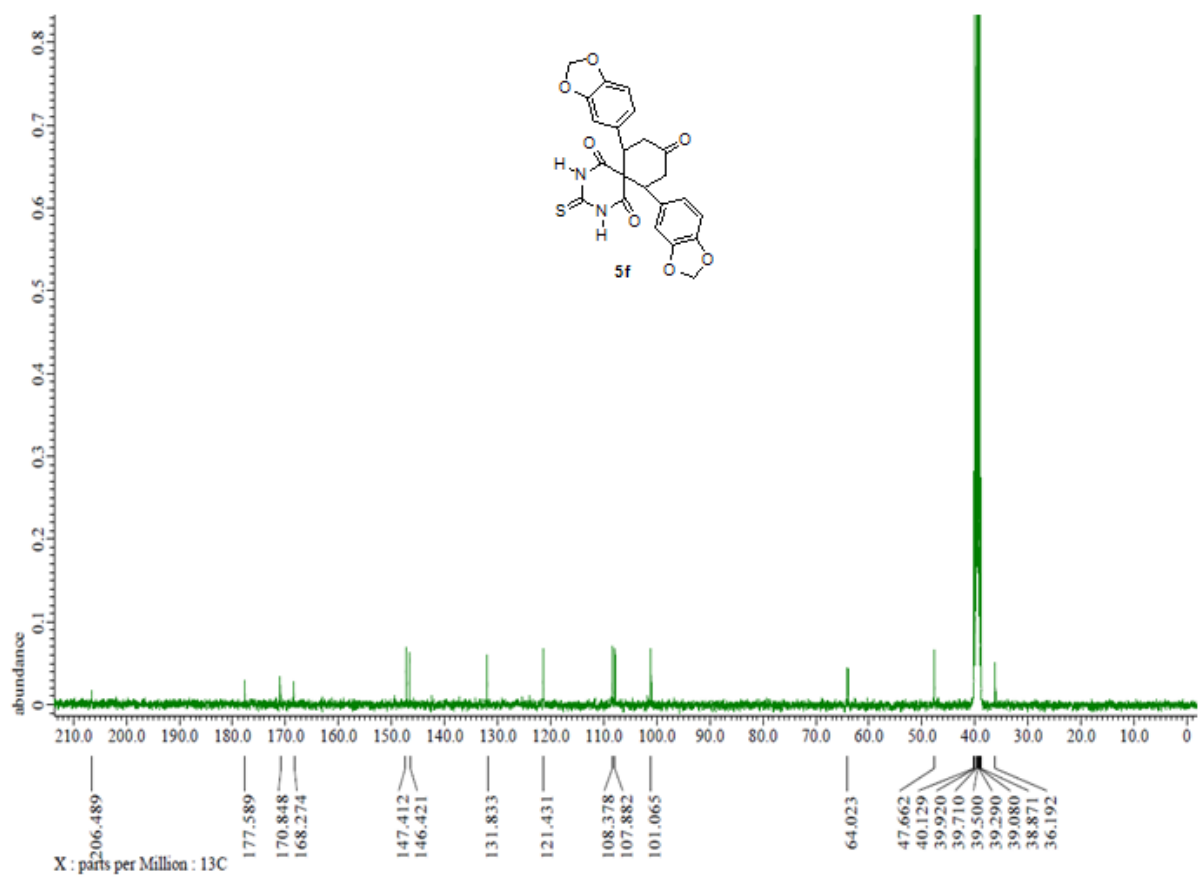


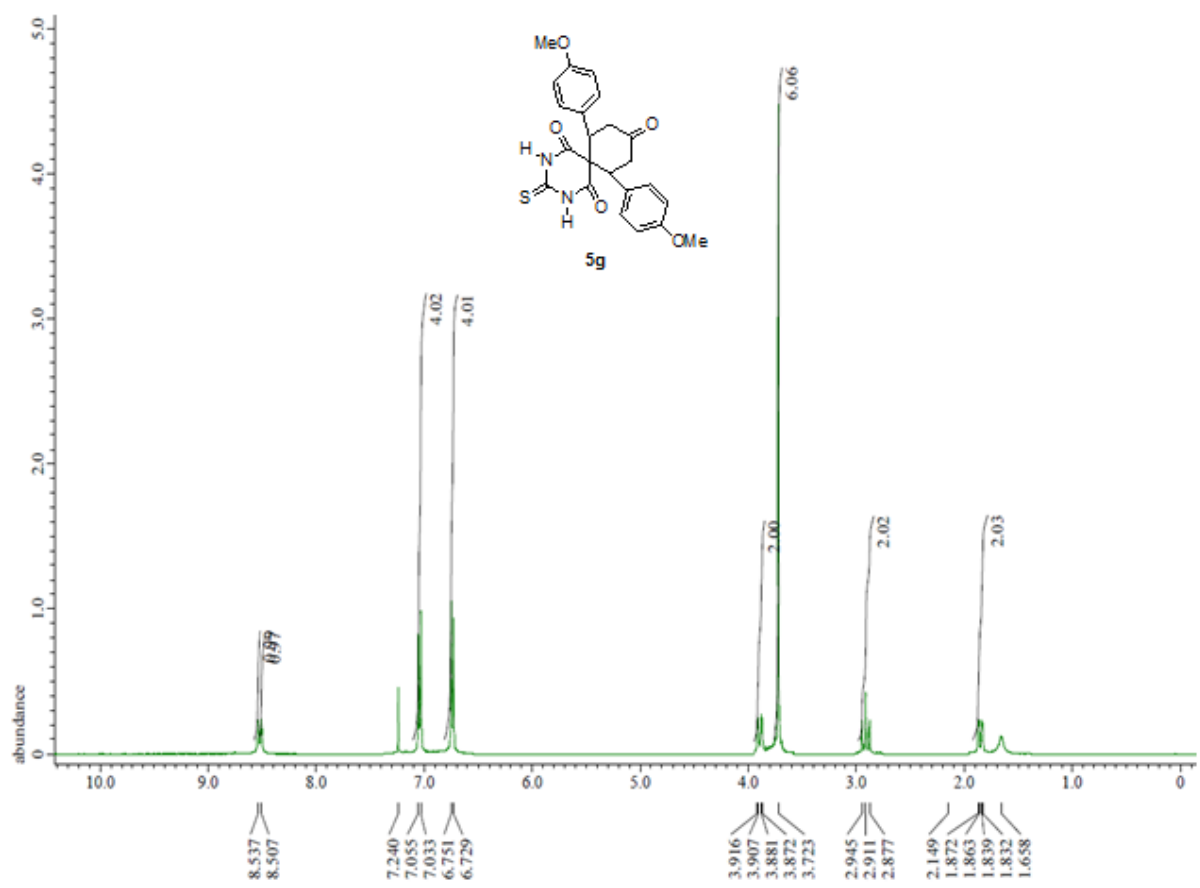




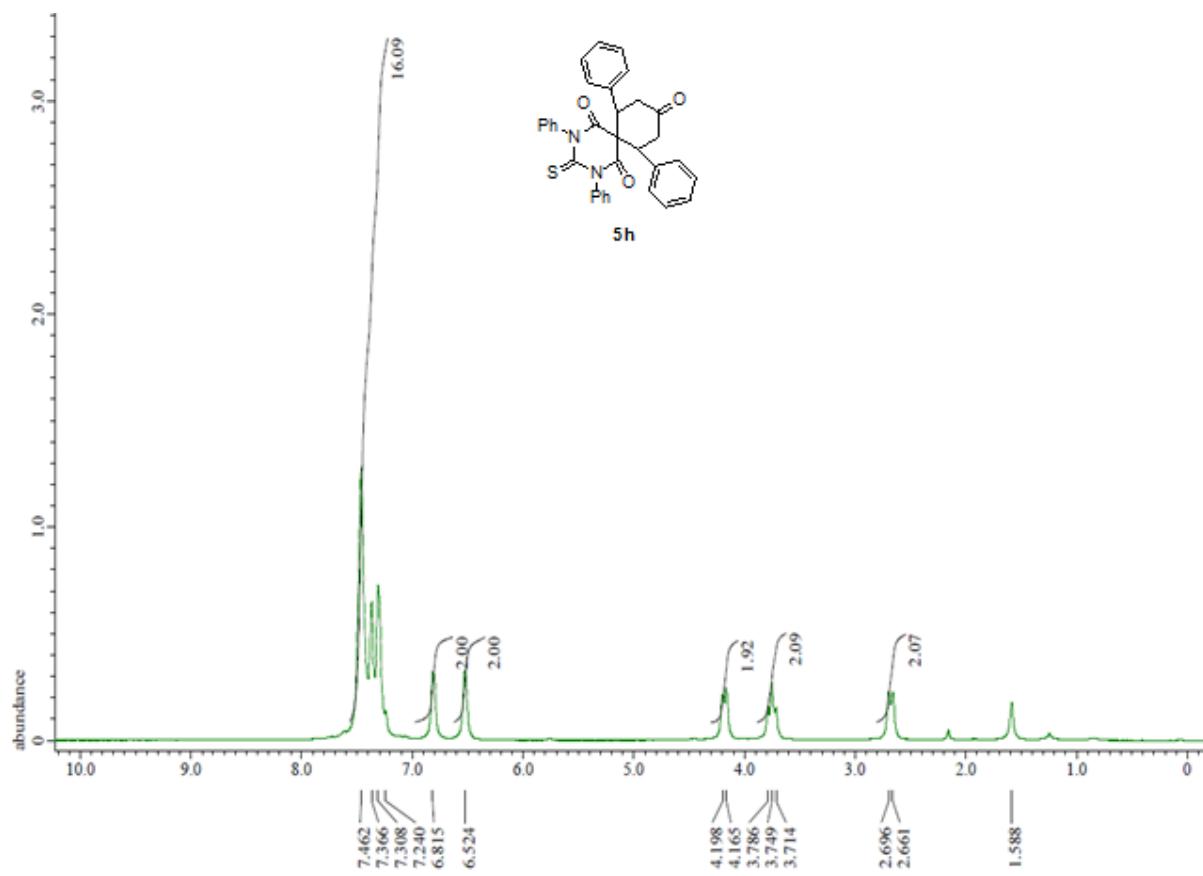




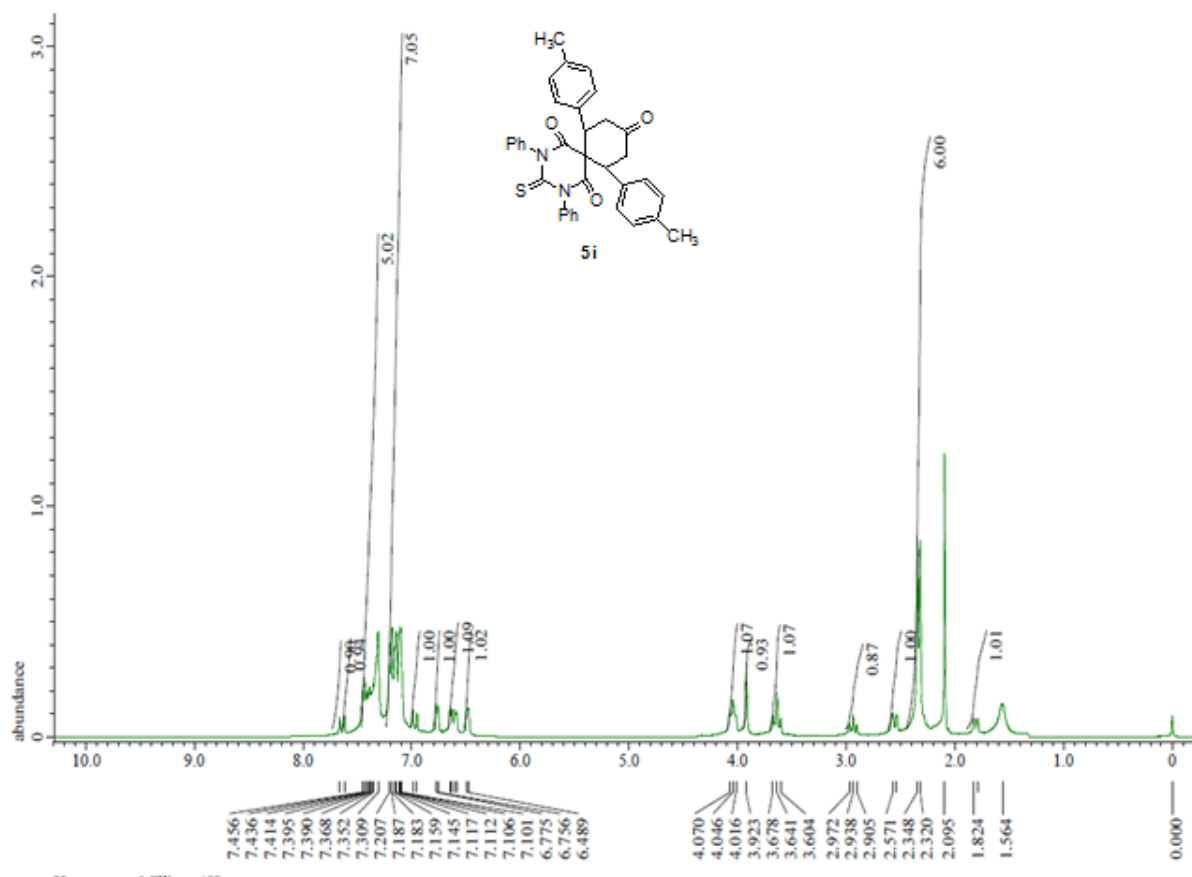




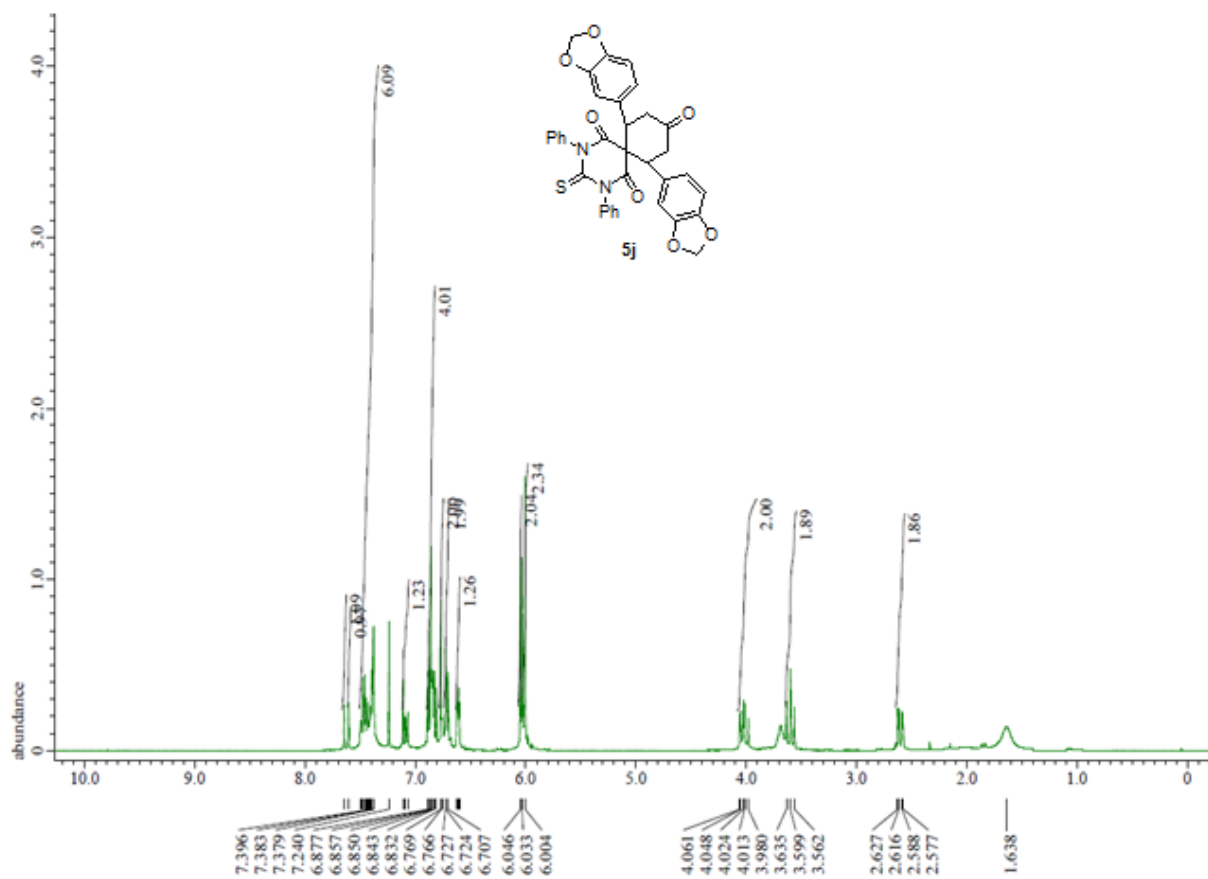
X : parts per Million : 1H



X : parts per Million : 1H



X : parts per Million : 1H



X : parts per Million : 1H



