

Supporting Information

2,3-Diaroyl benzofurans from arynes: Sequential synthesis of 2-aroylbenzofurans followed by benzoylation

Kashmiri Neog,^{a,b} Babulal Das^c and Pranjali Gogoi^{a,b*}

^a*Applied Organic Chemistry Group, Chemical Science and Technology Division, CSIR-North East Institute of Science and Technology, Jorhat 785006, India*

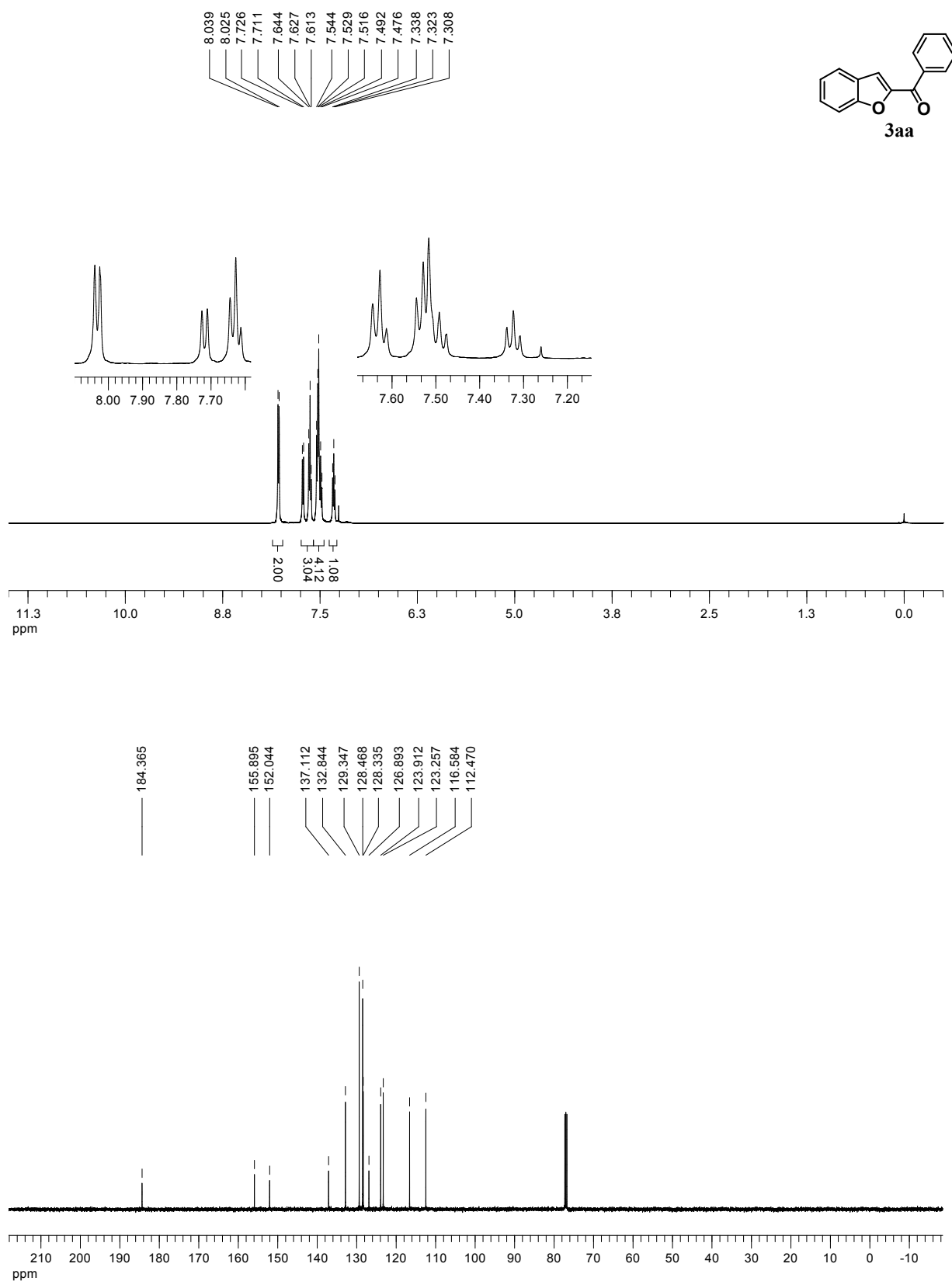
^b*Academy of Scientific and Innovative Research (AcSIR), CSIR-NEIST Campus, India*

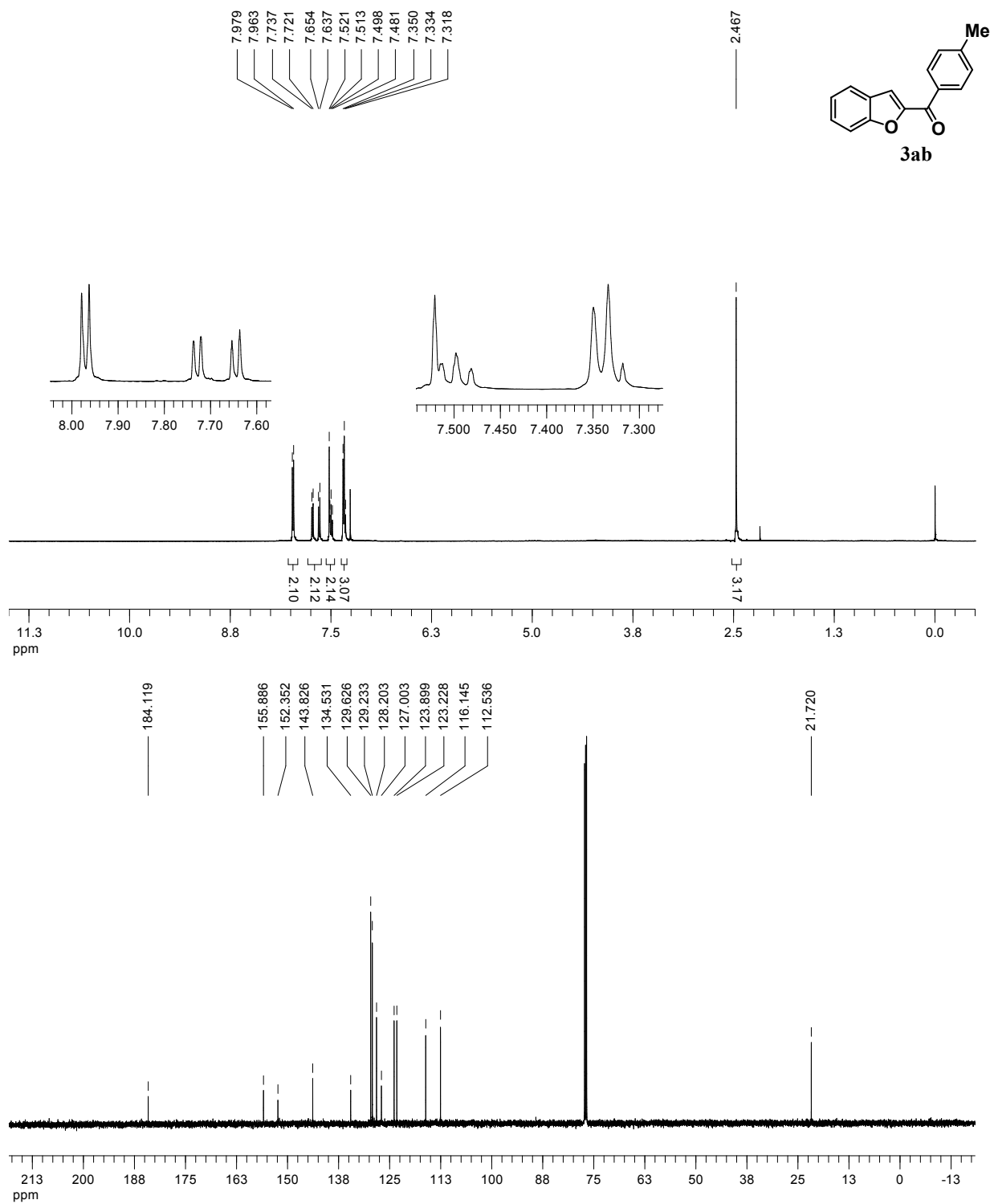
^c*Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati-781039, India*

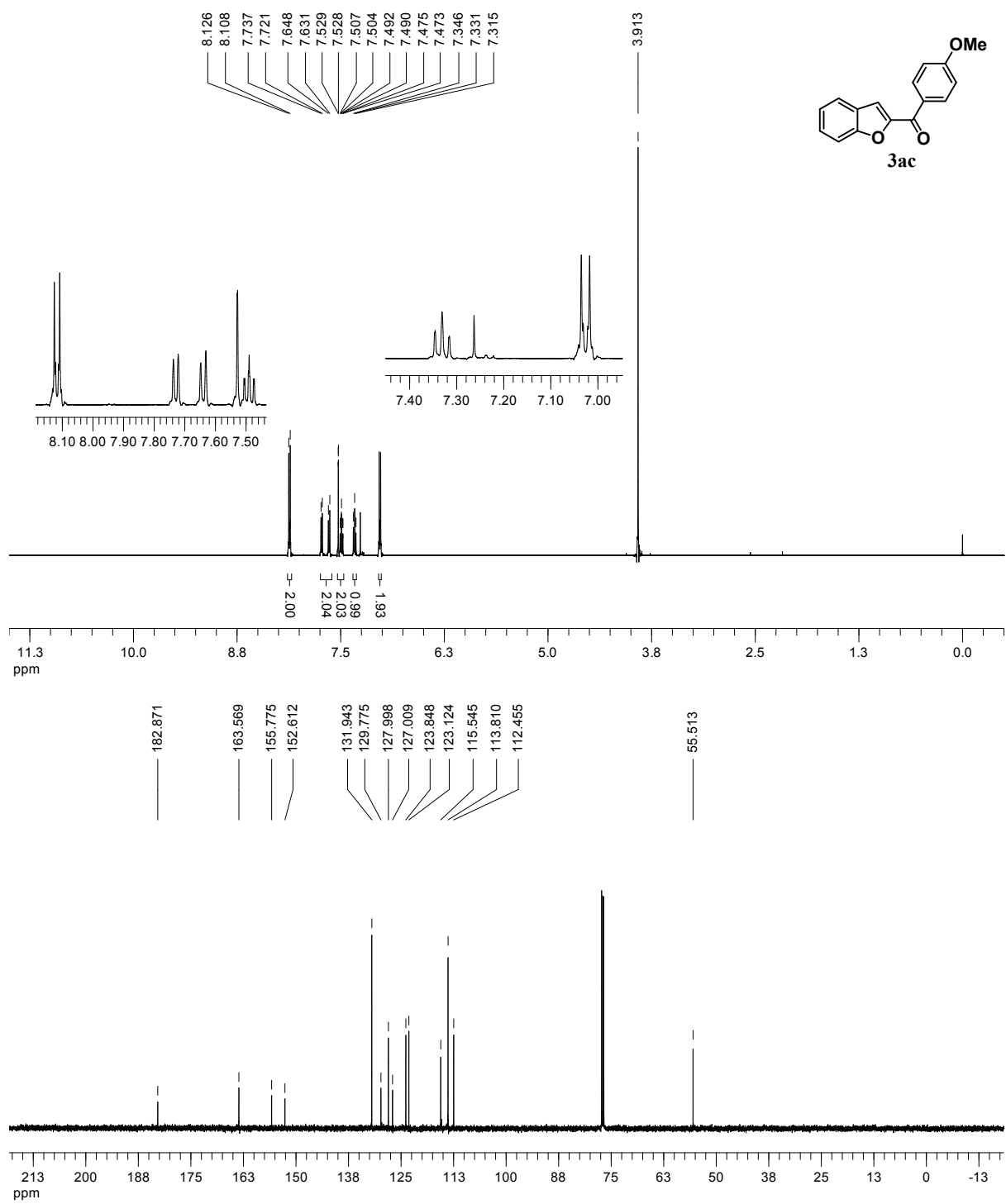
Email: gogoipranj@yahoo.co.uk; gogoipranj@gmail.com

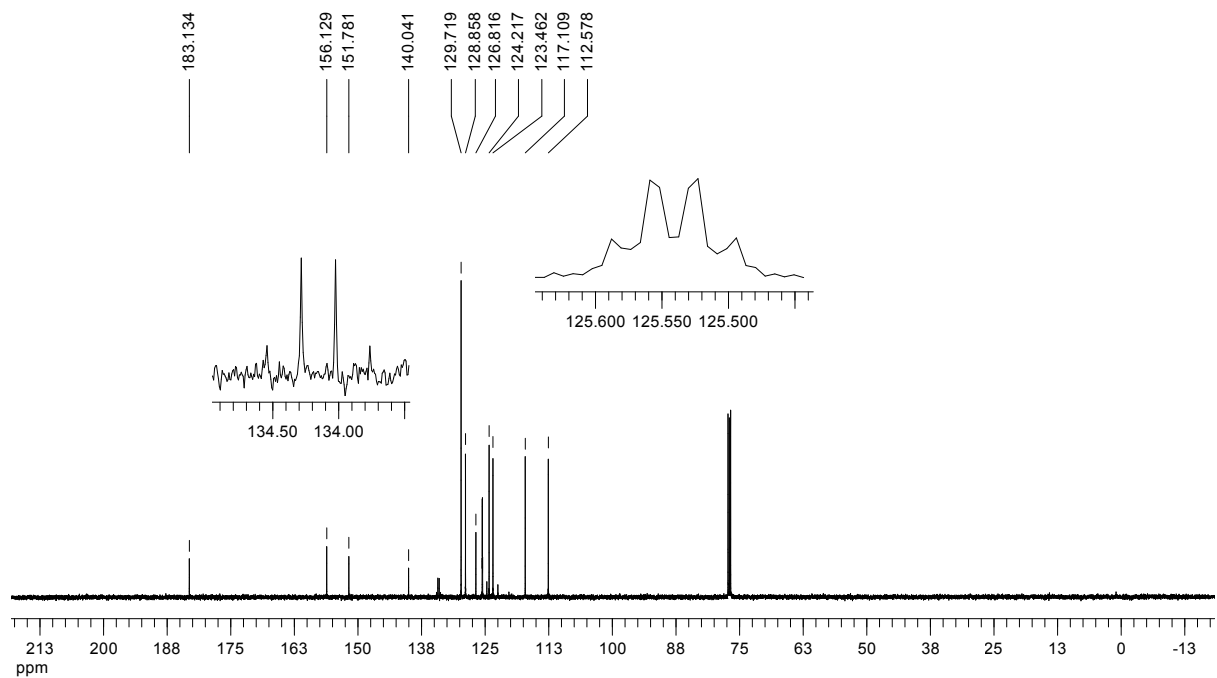
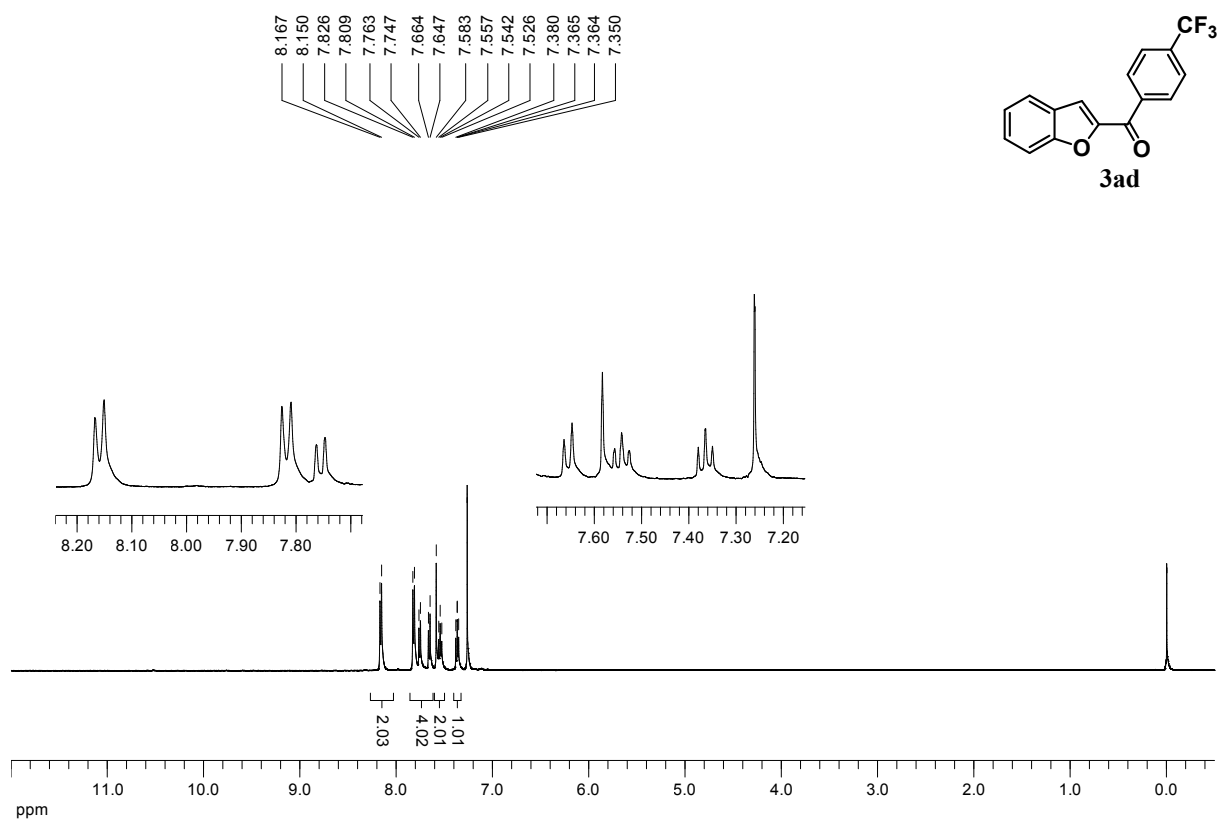
Copies of ¹H , ¹³C NMR and HRMS spectra of all products

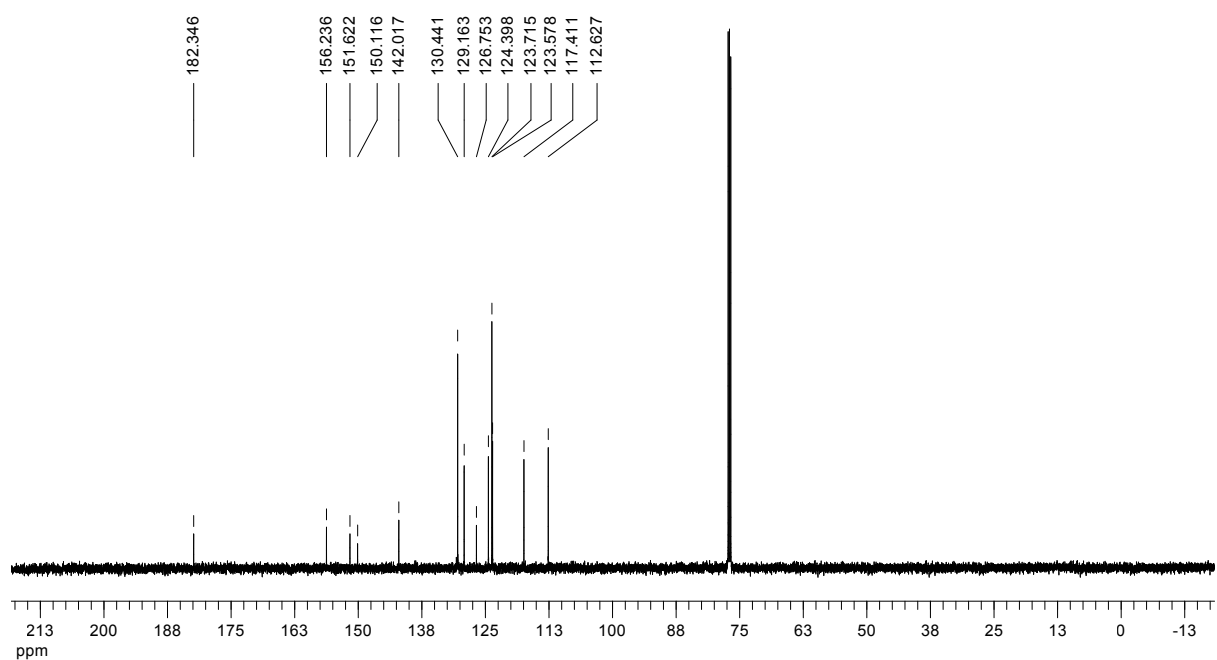
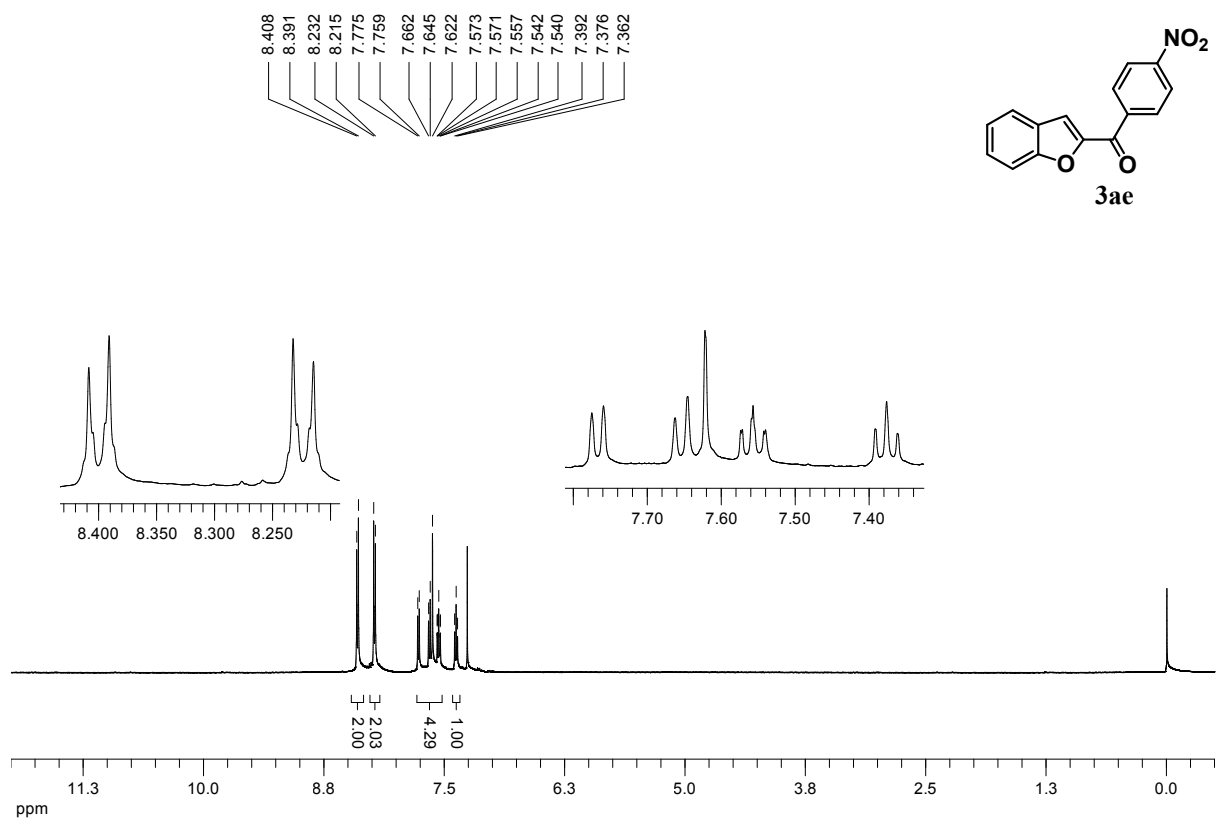
Copies of ^1H and ^{13}C NMR spectra of all products

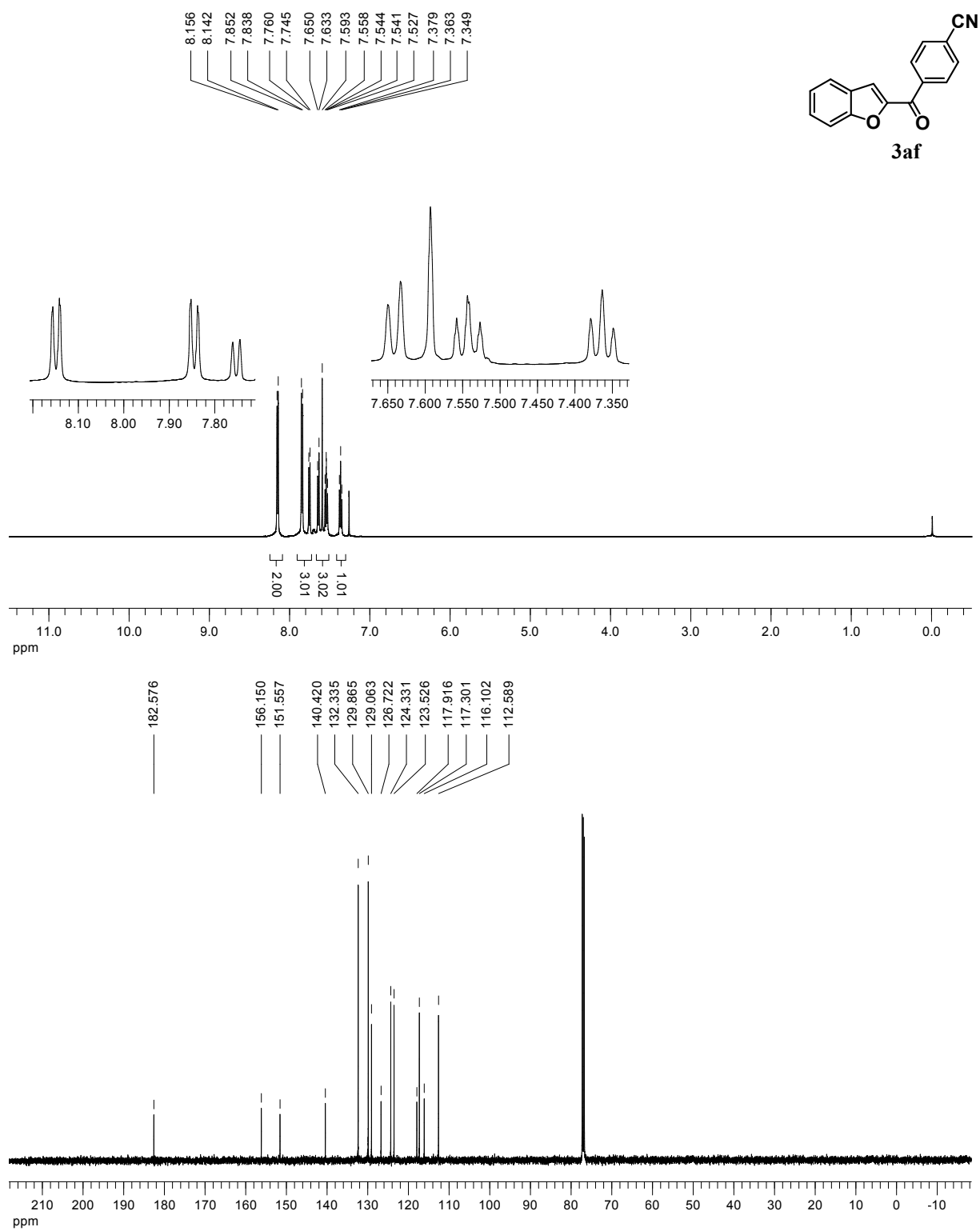


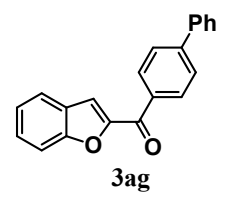


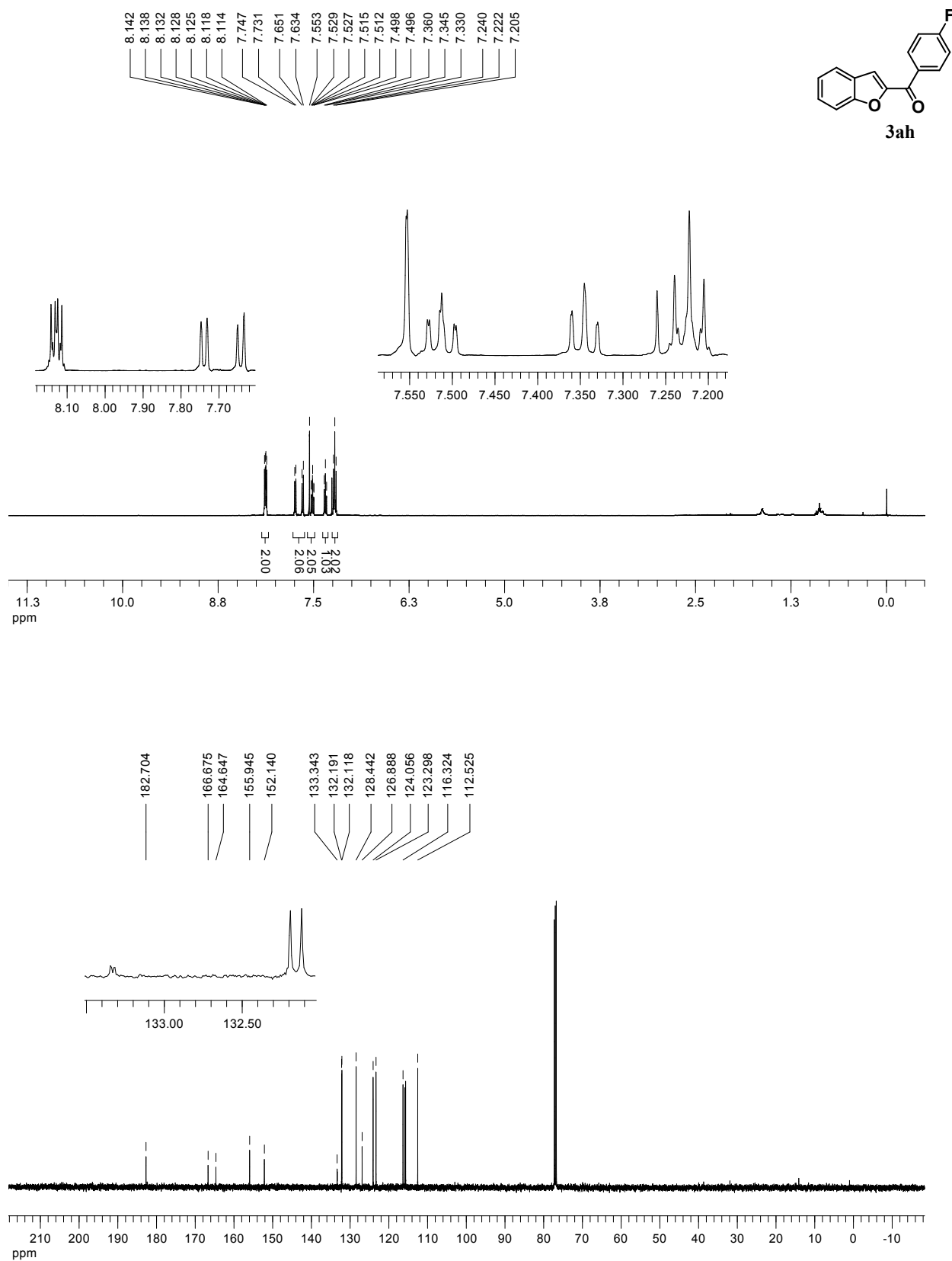


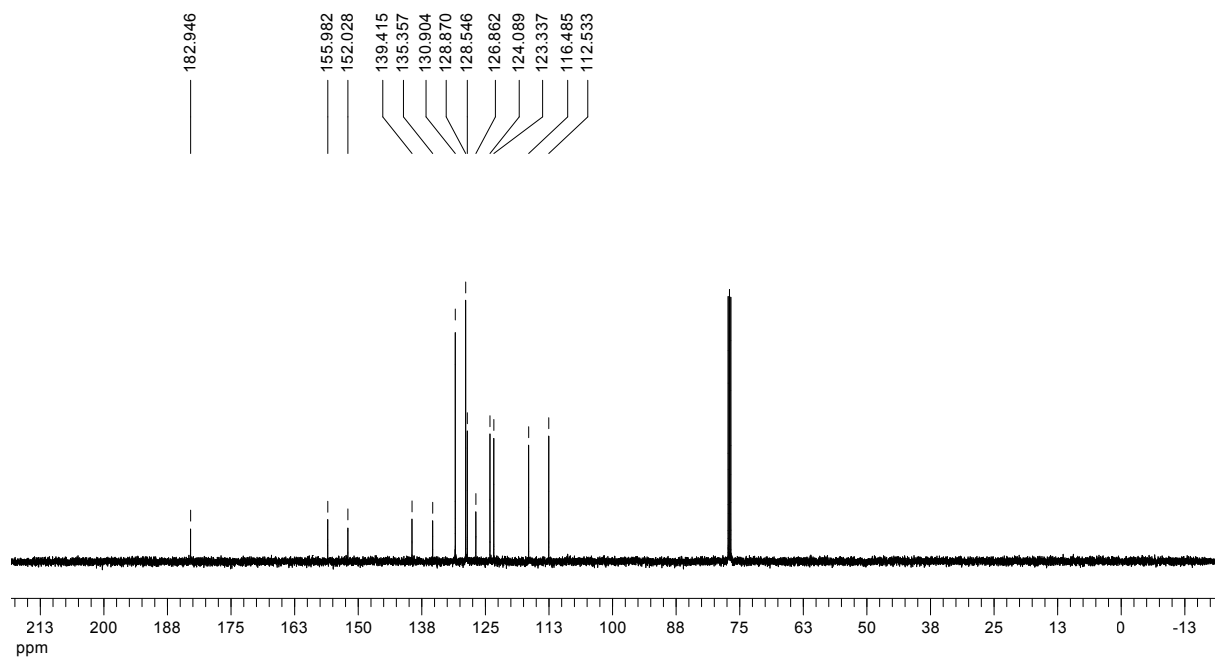
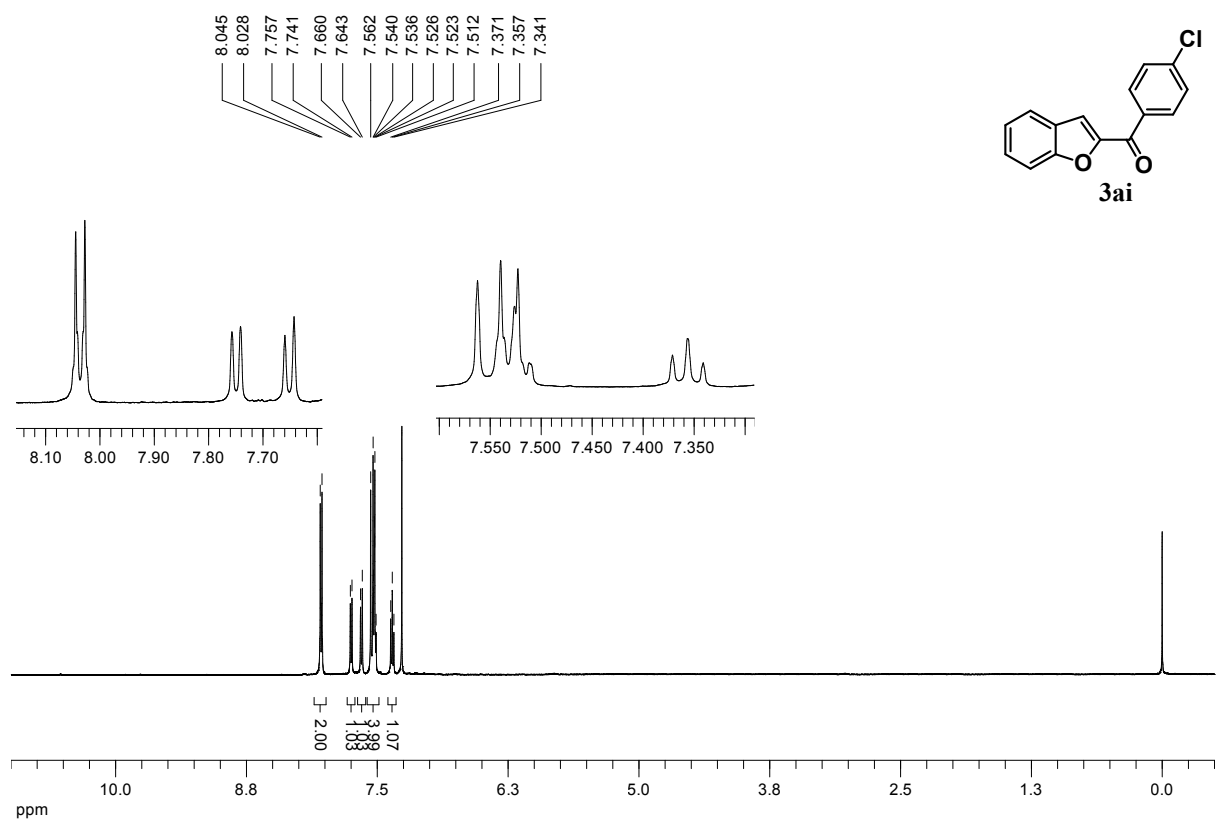


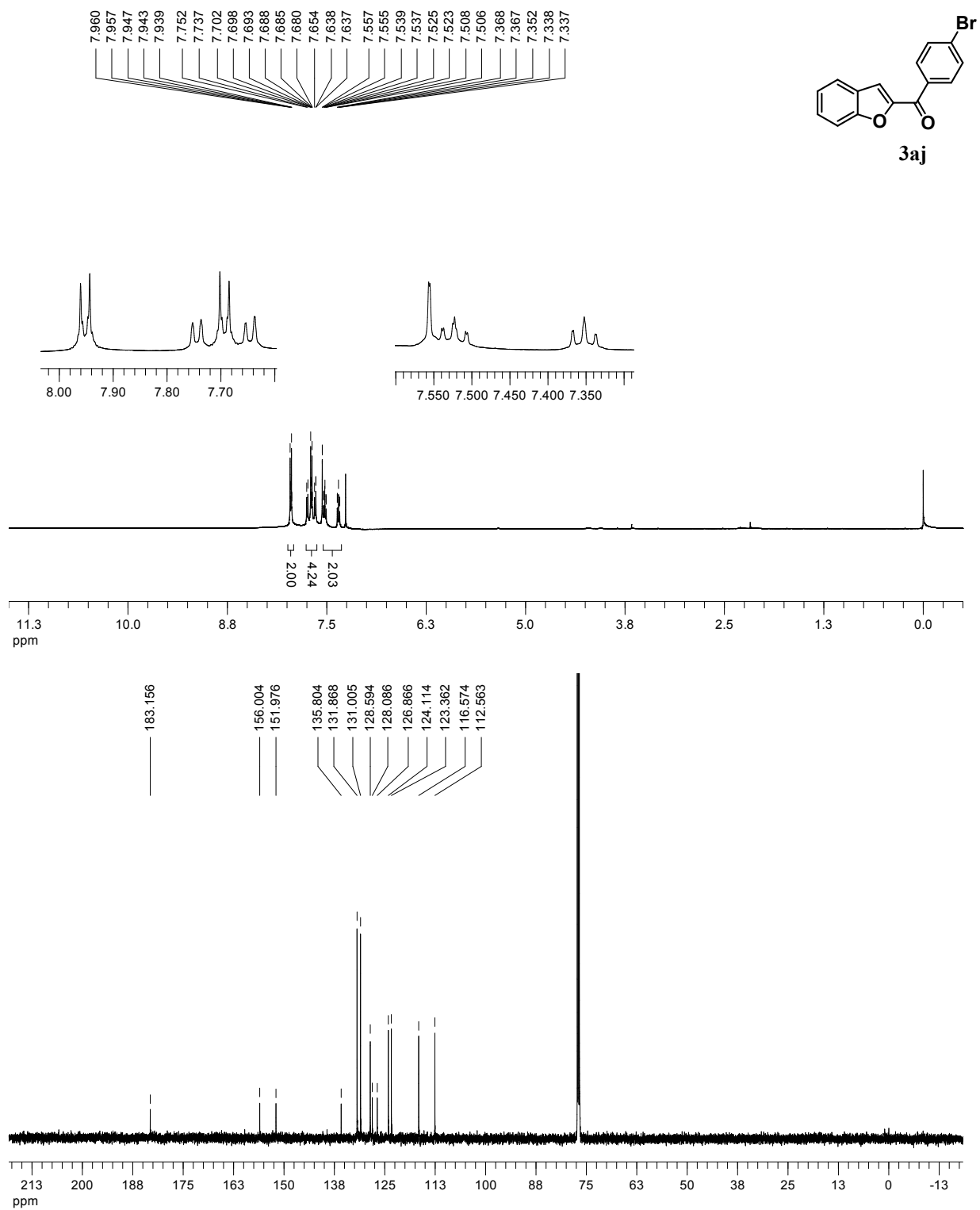


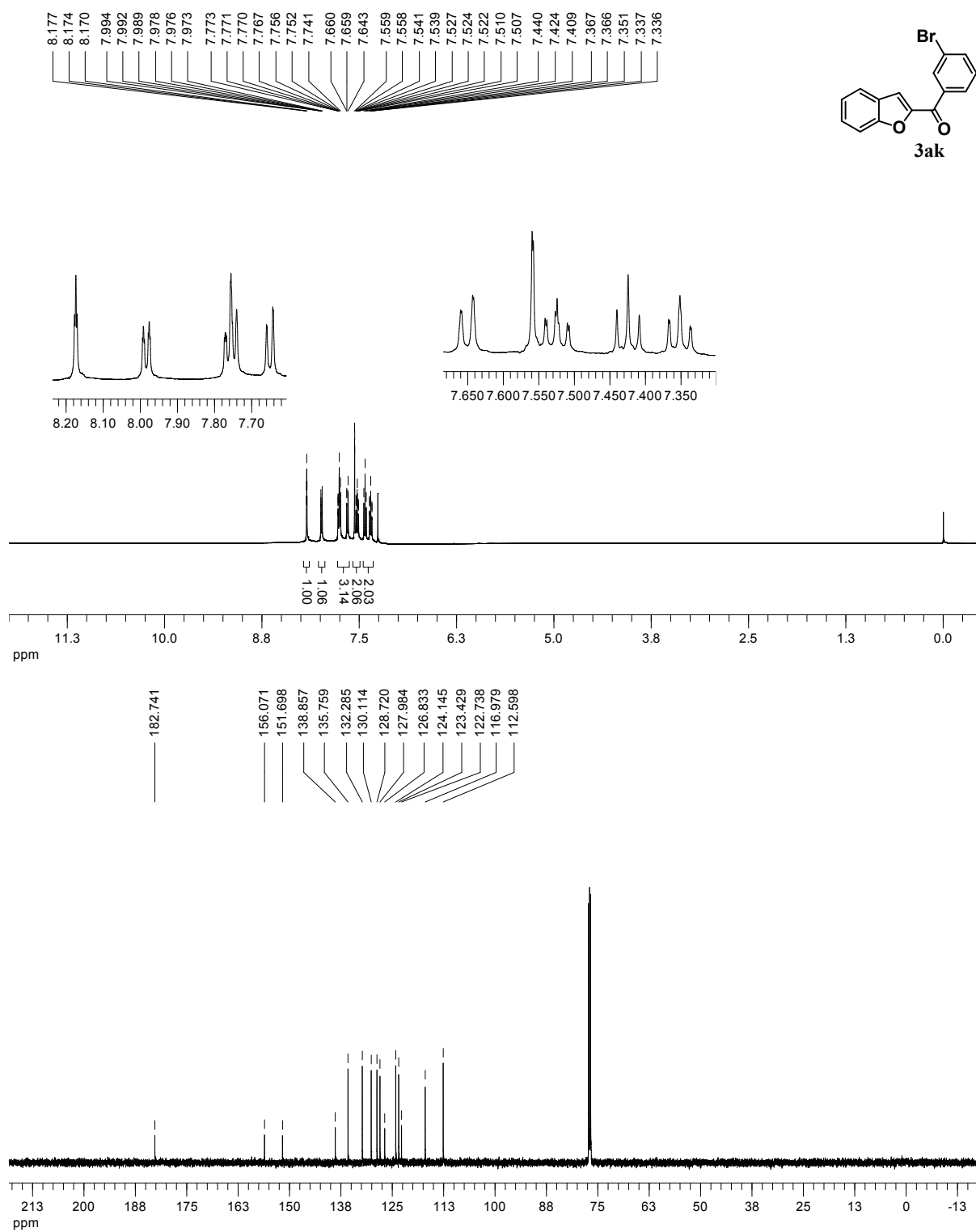


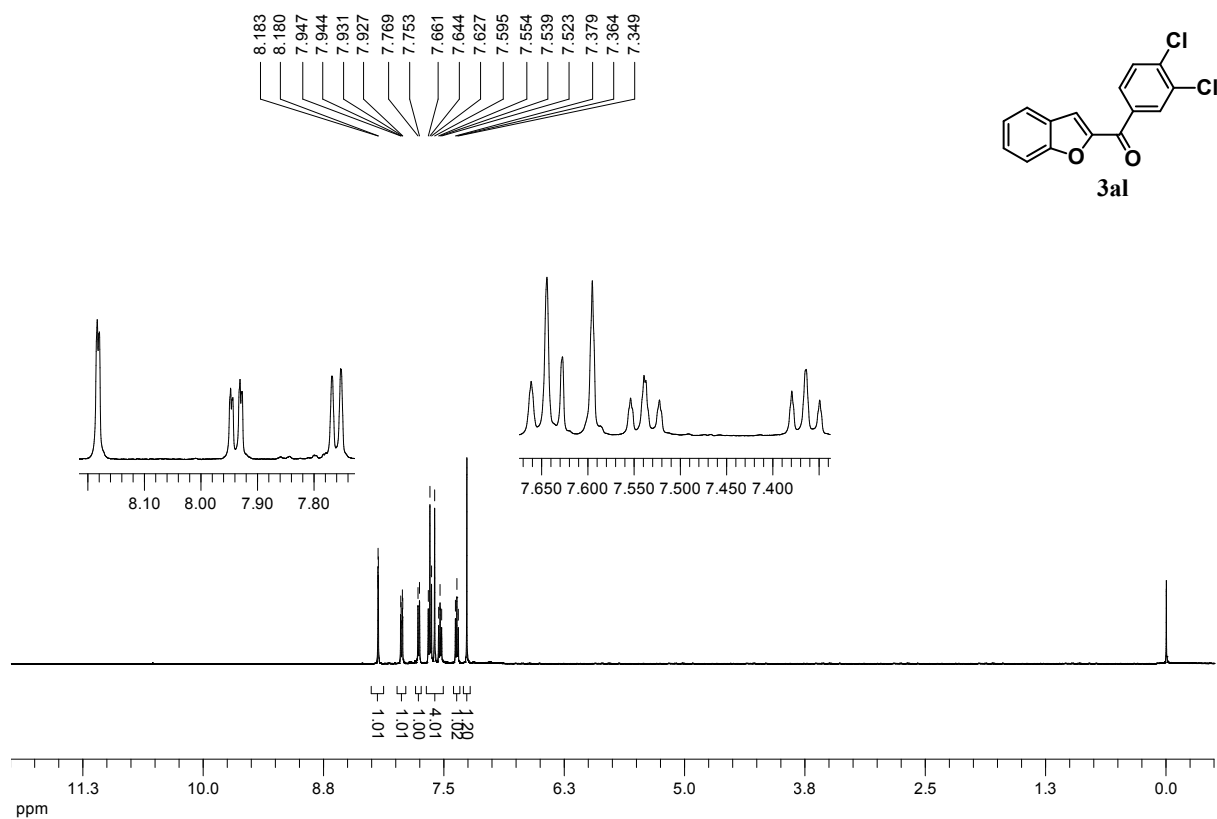


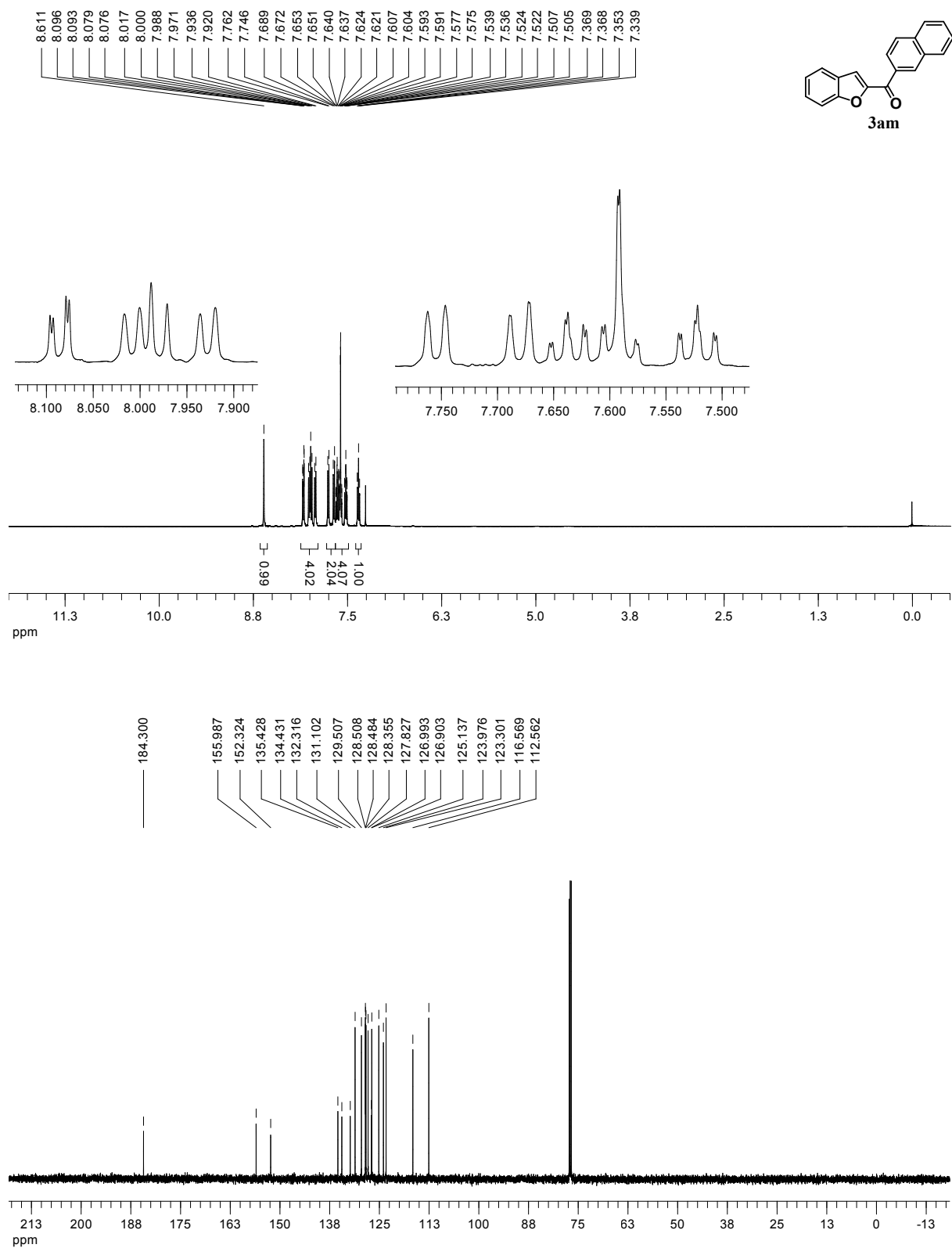


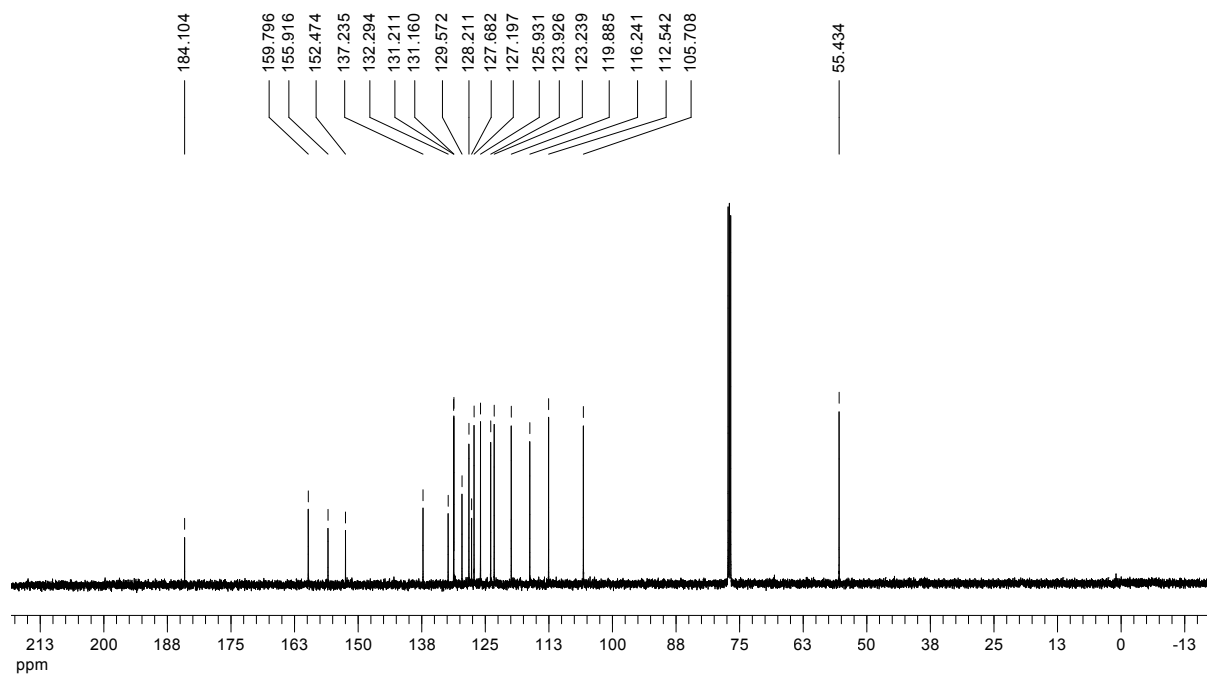
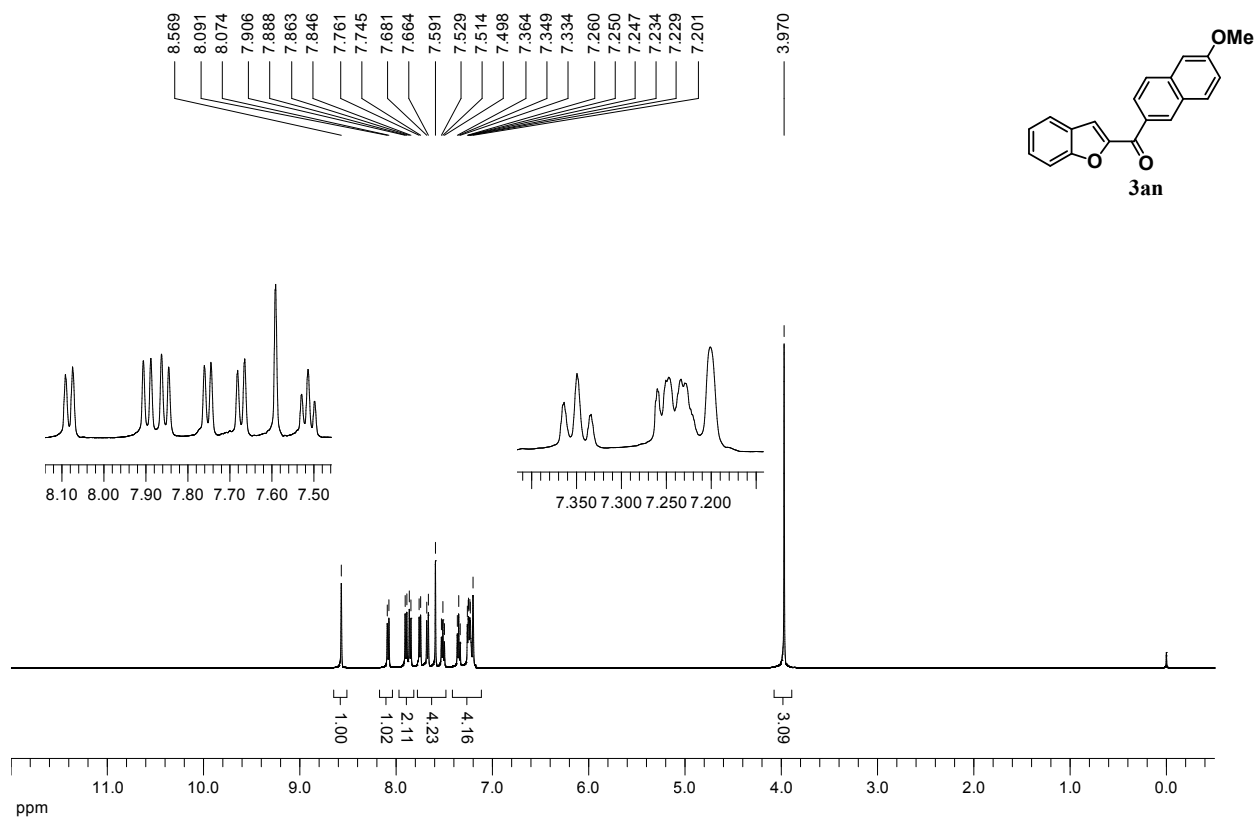


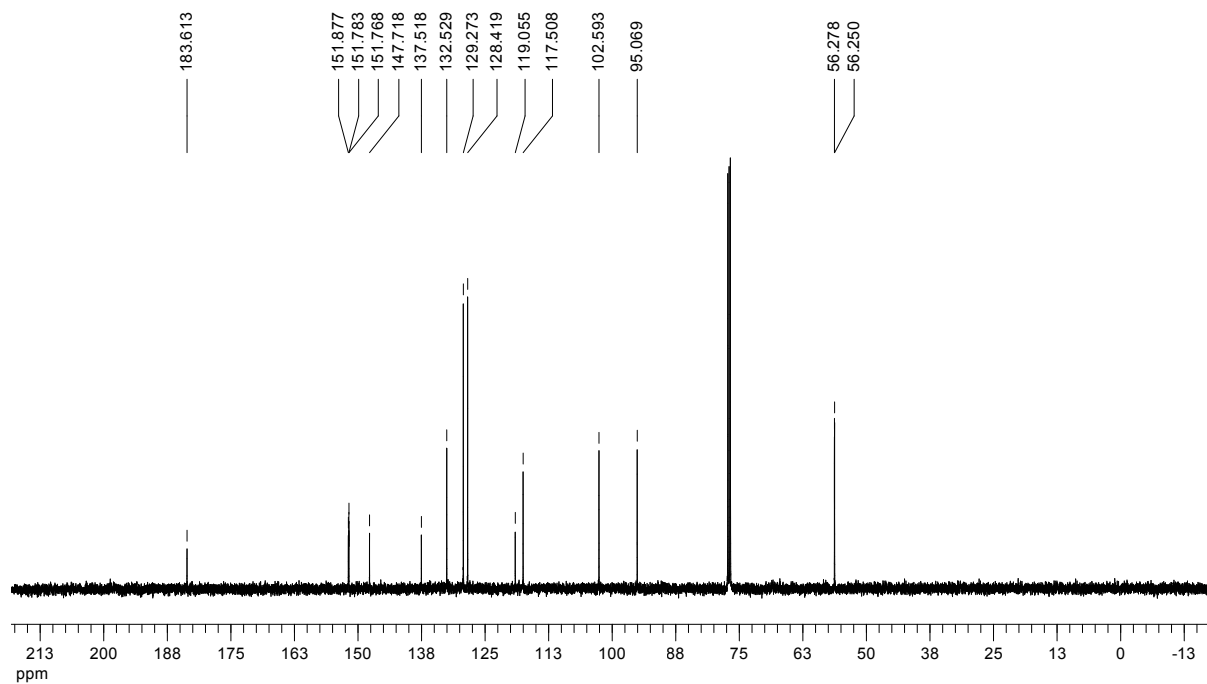
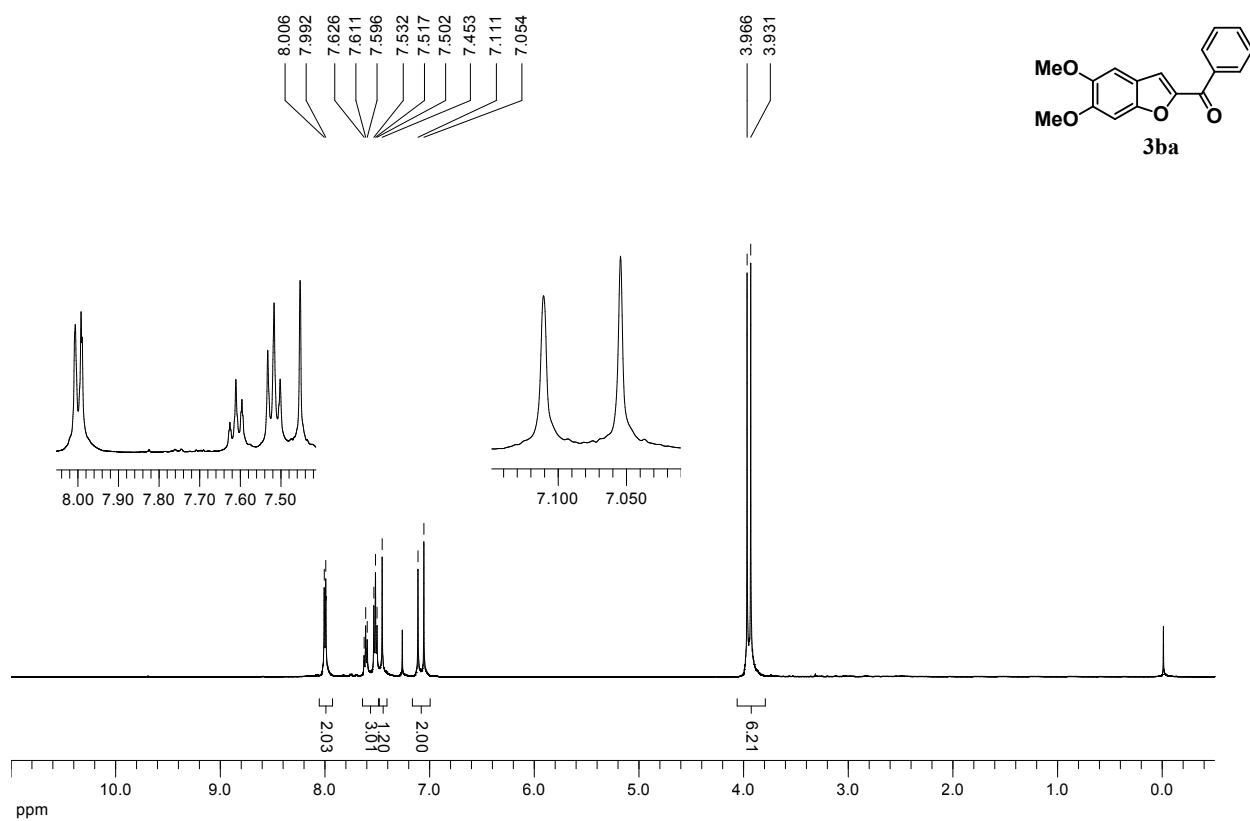


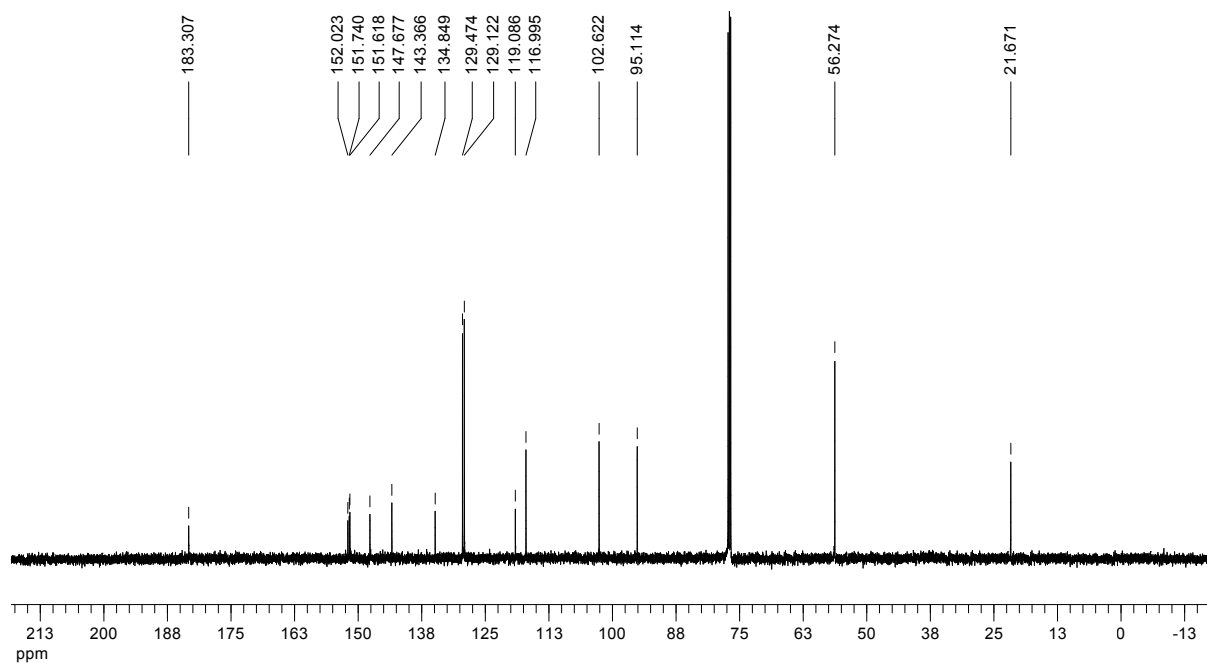
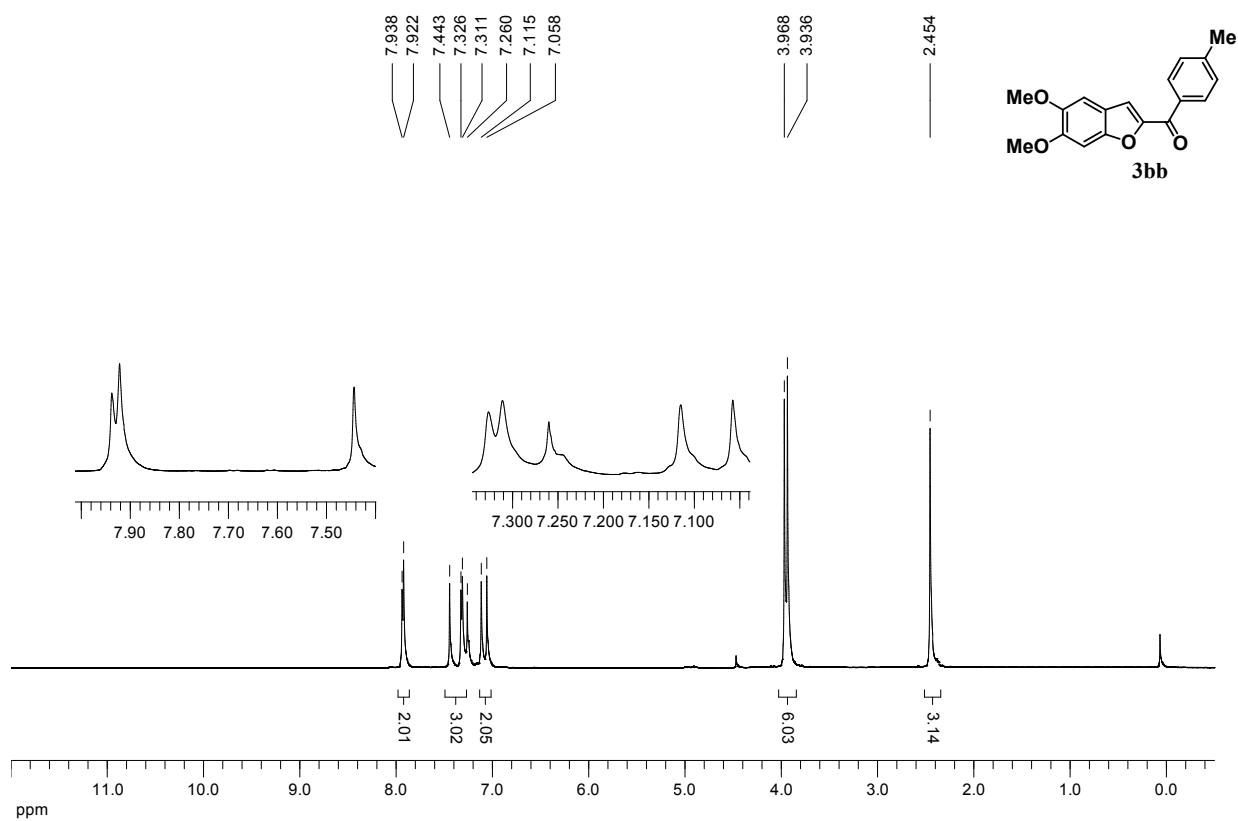


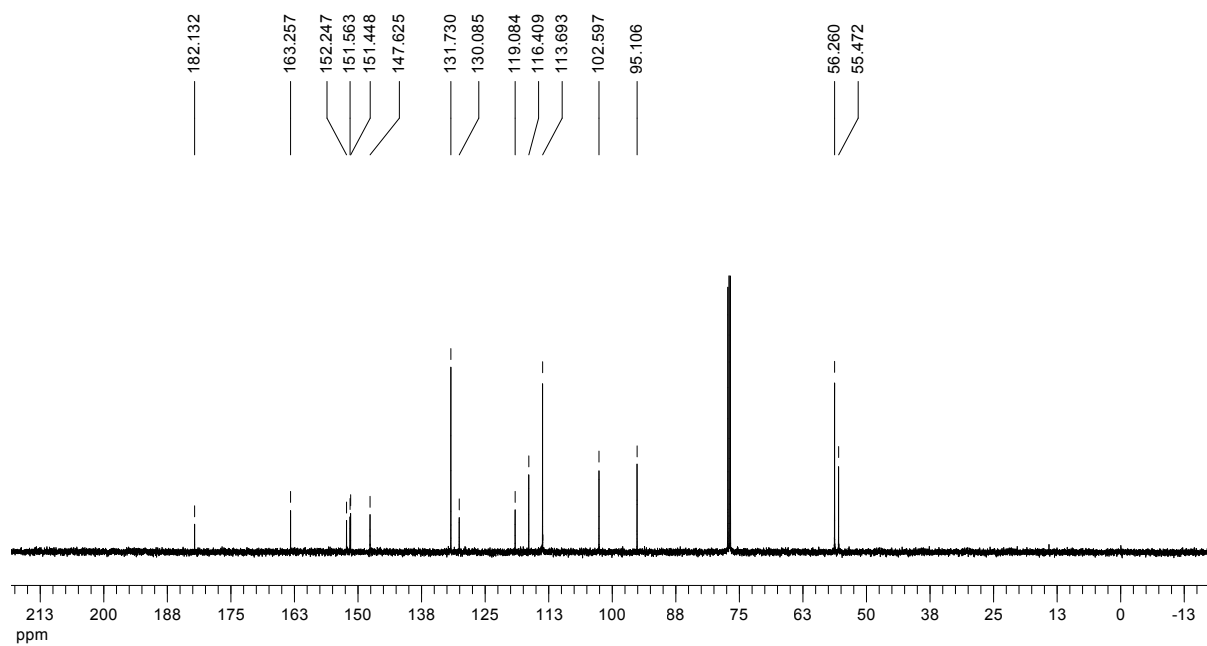
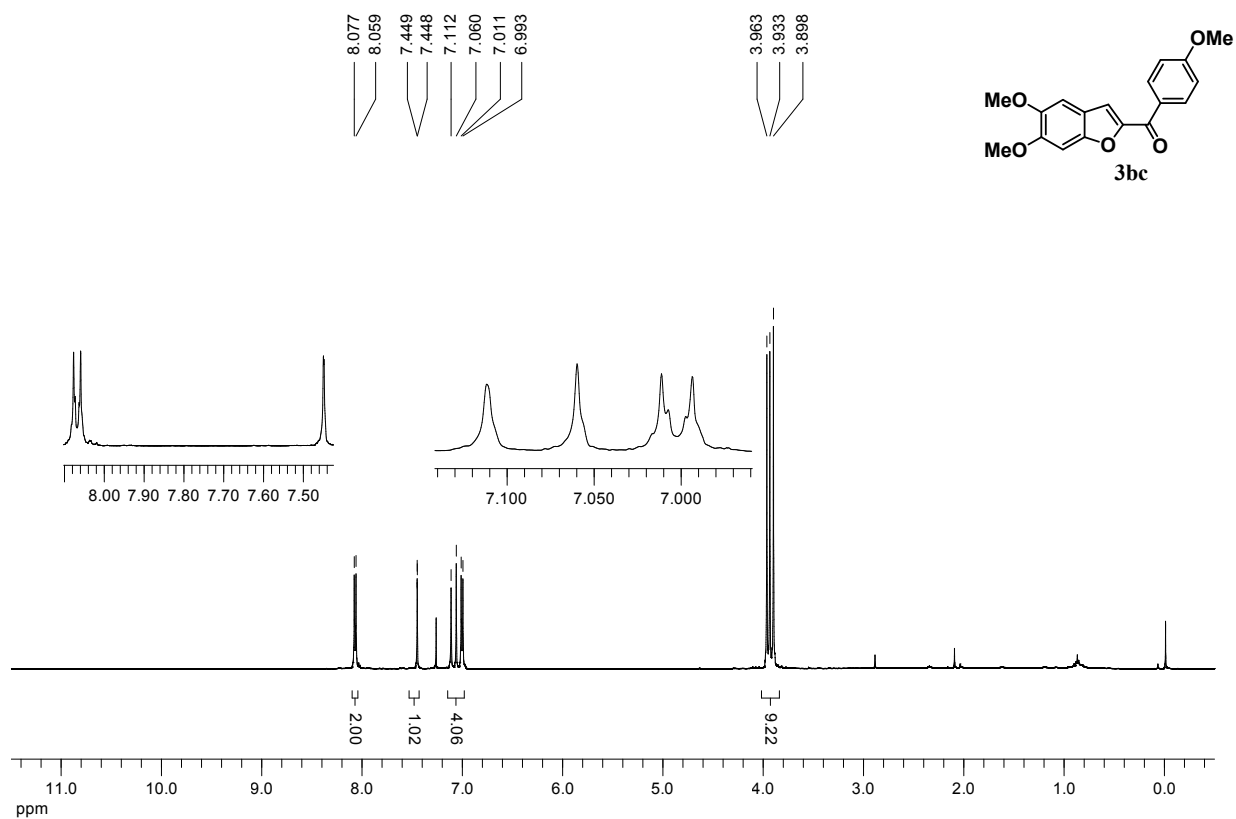


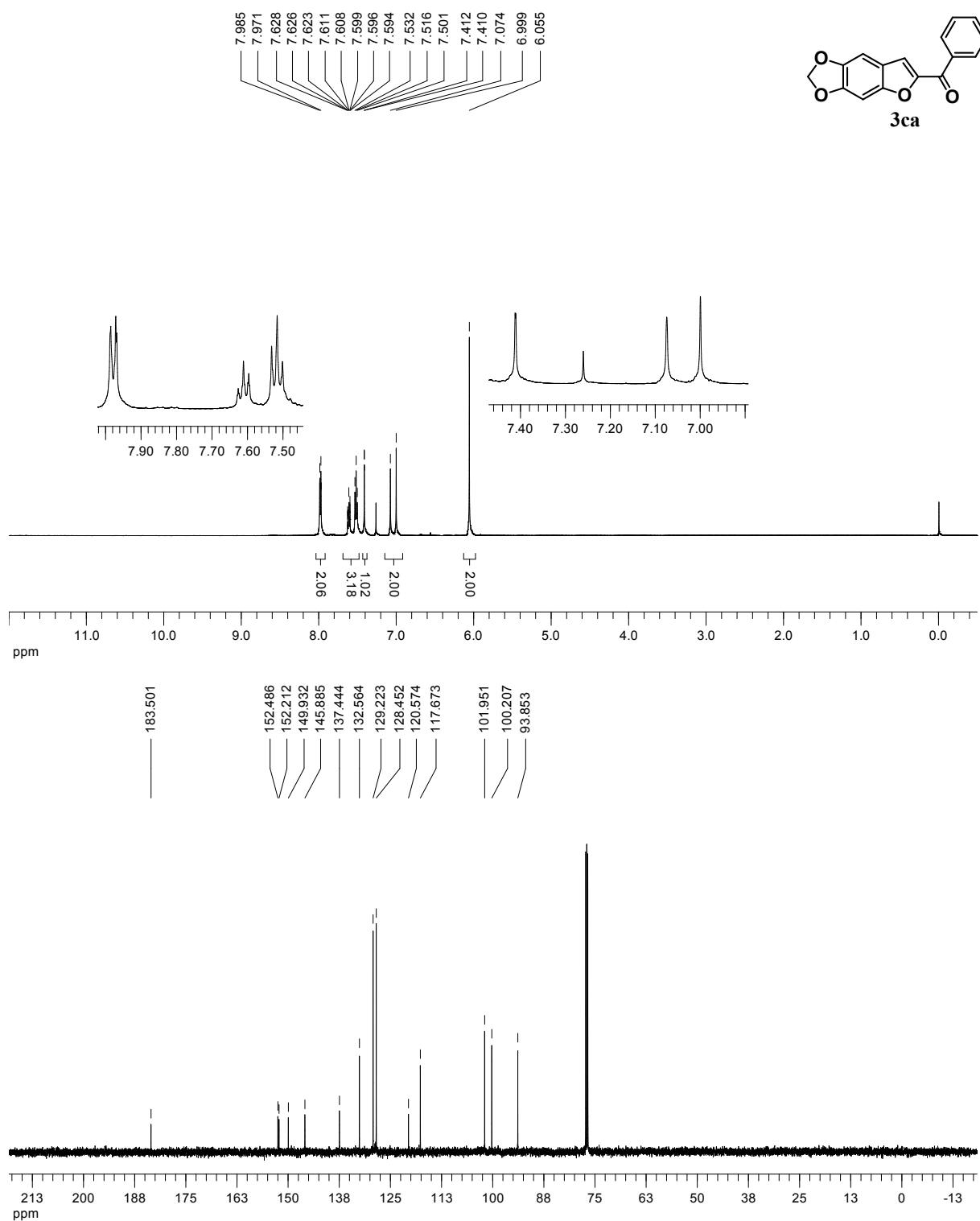


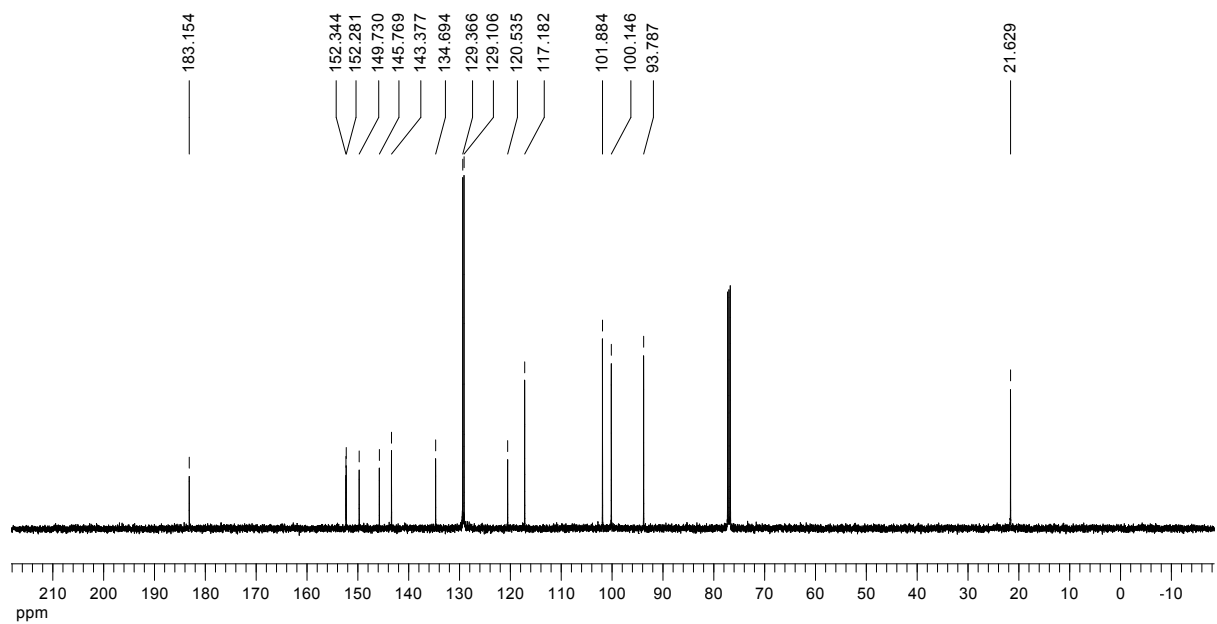
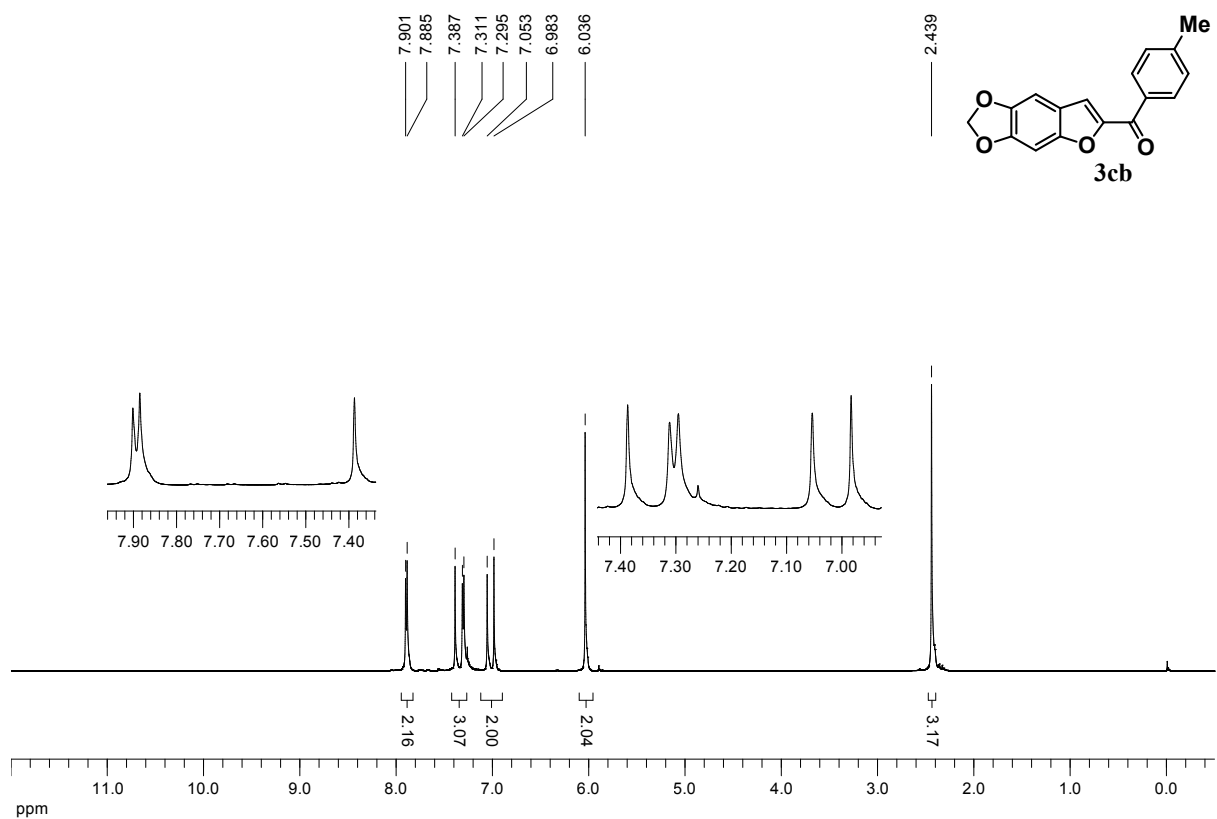


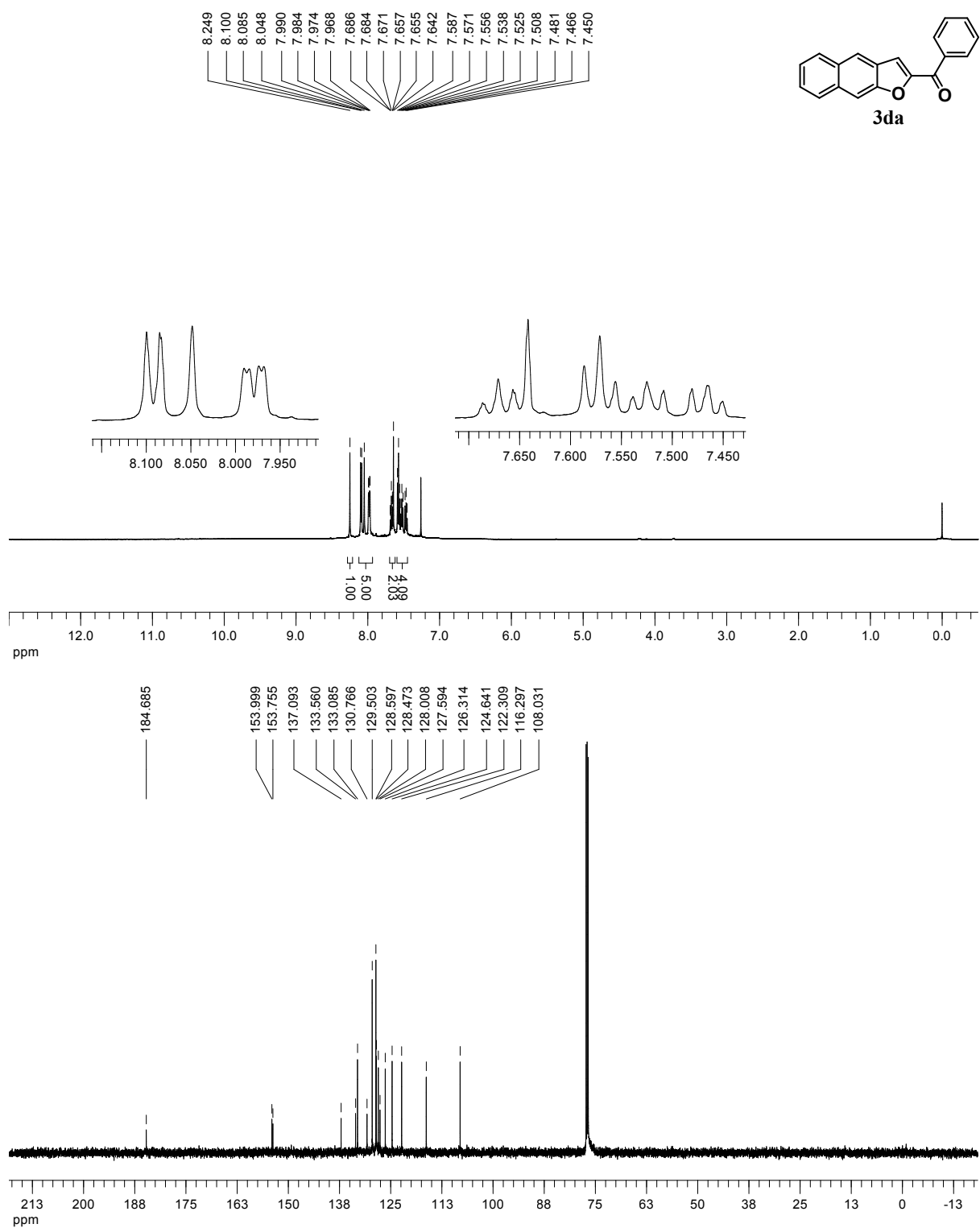


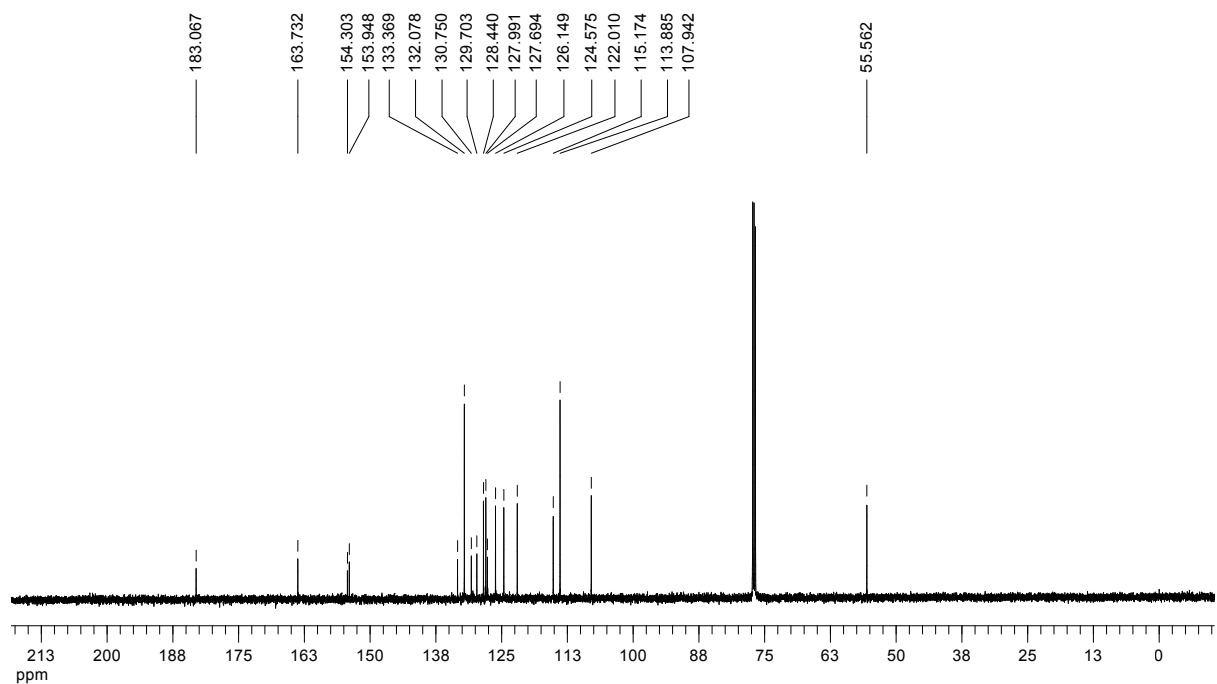
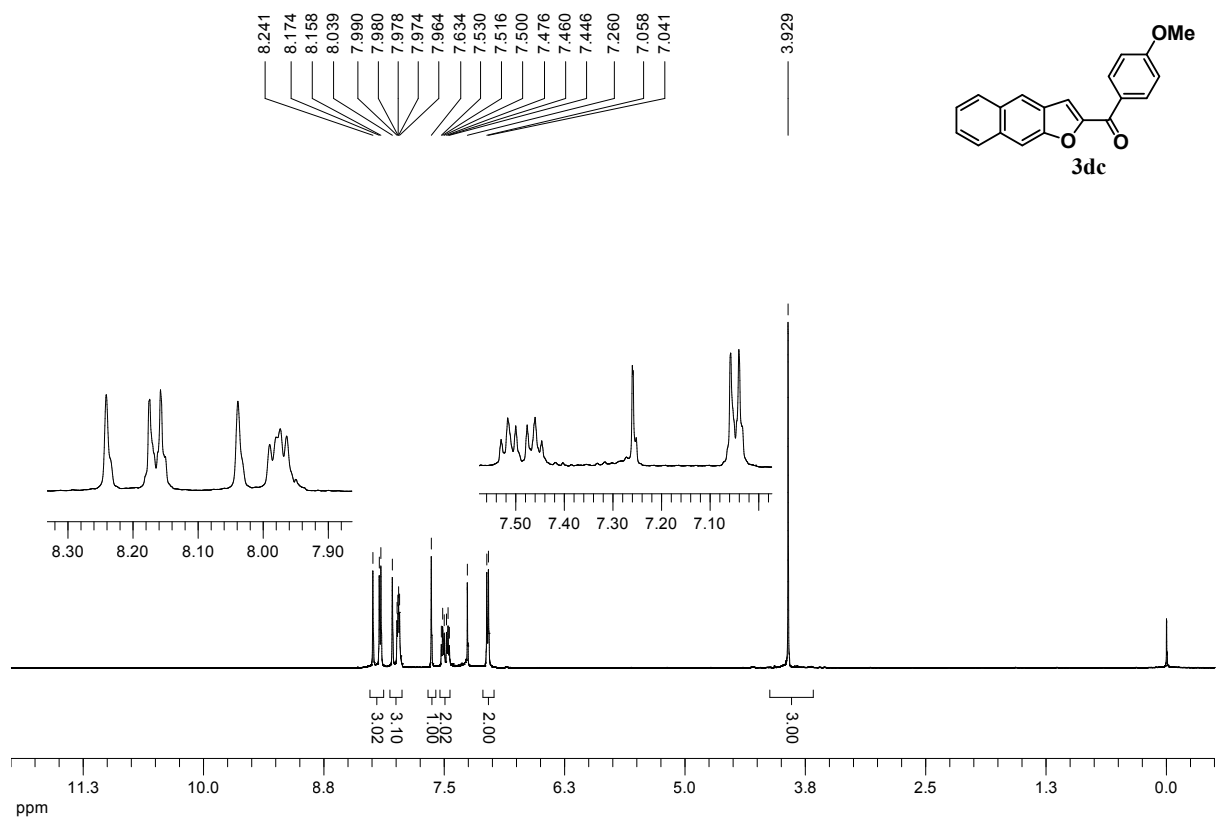


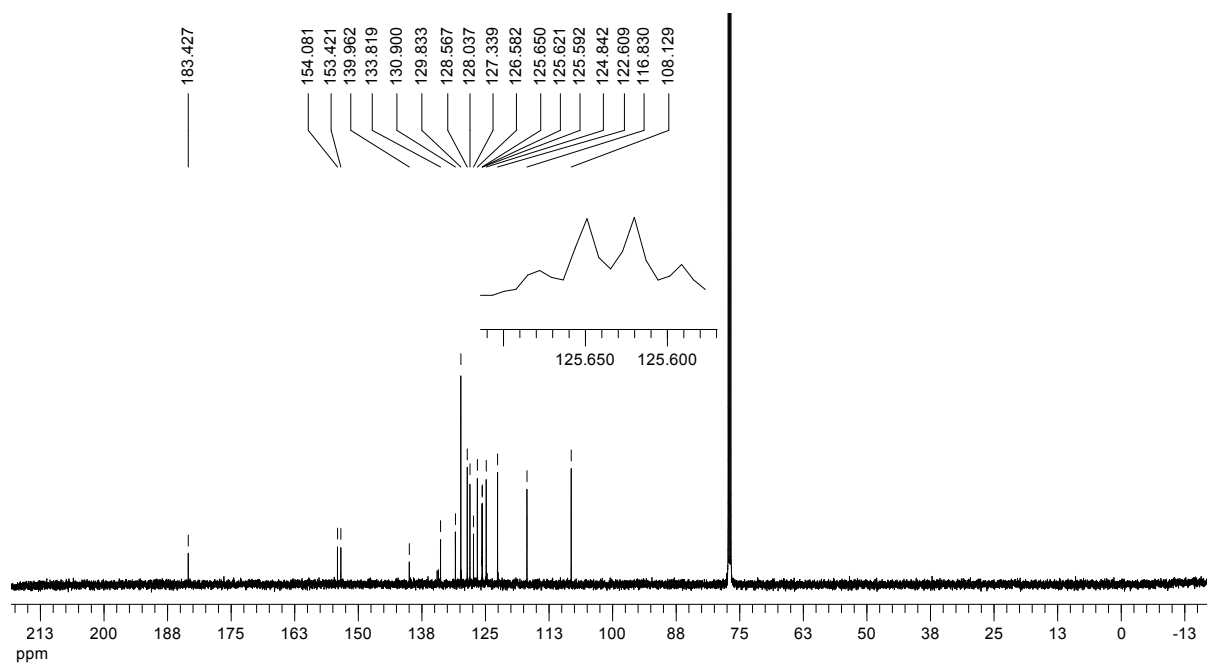
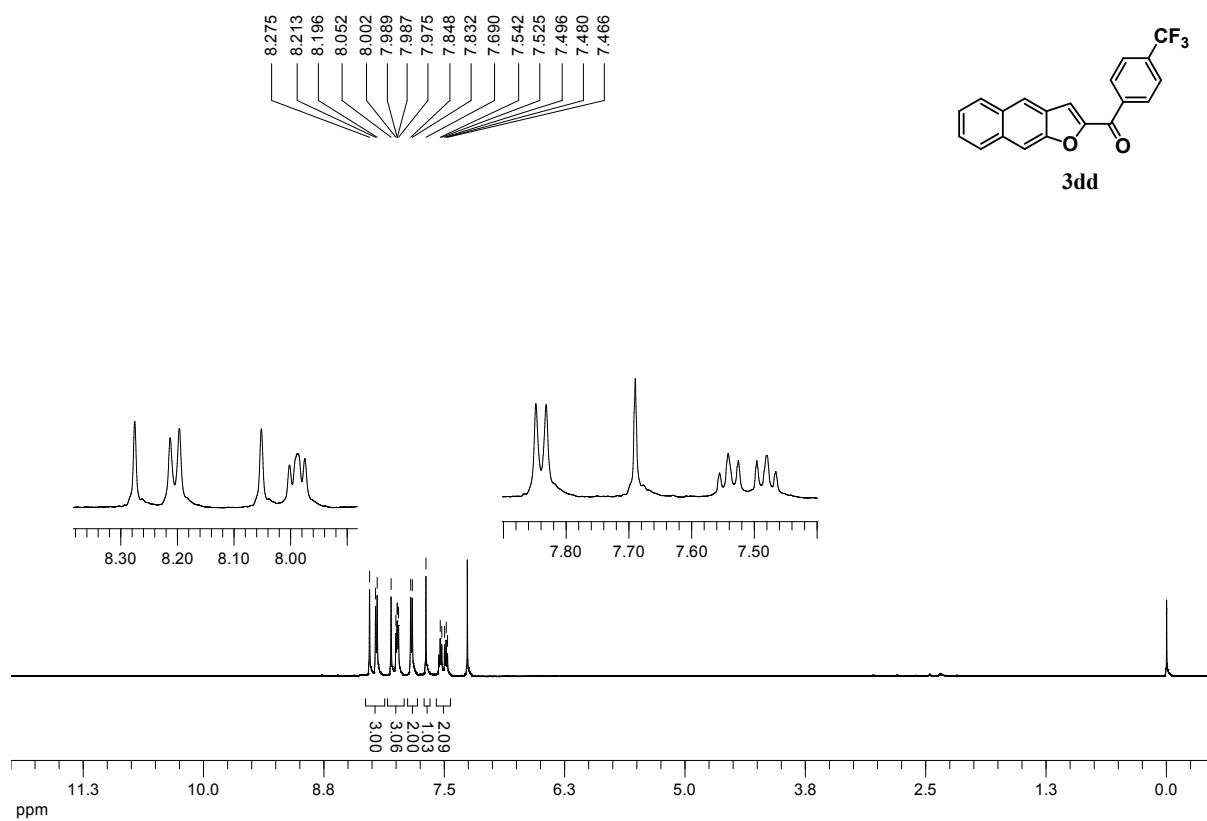


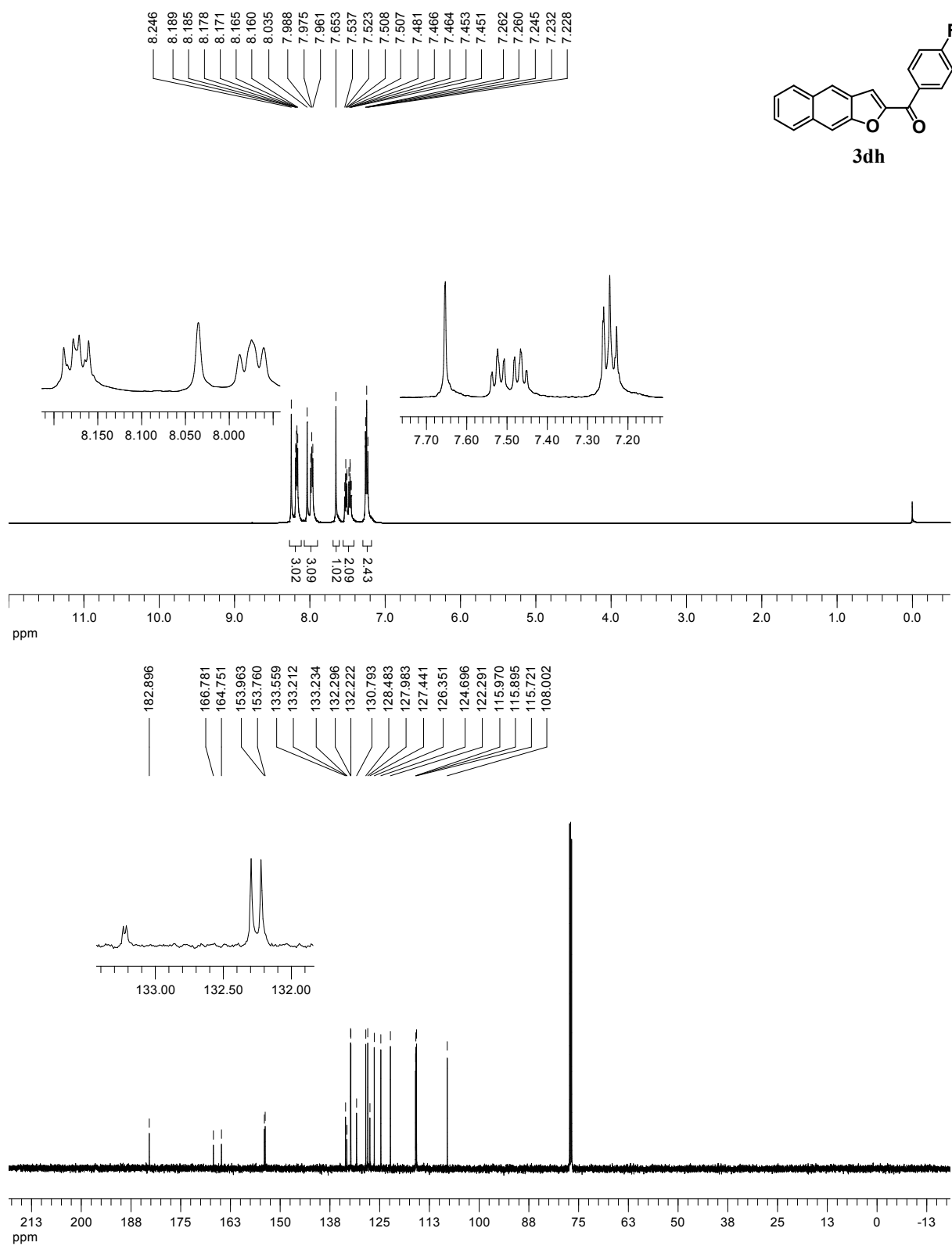


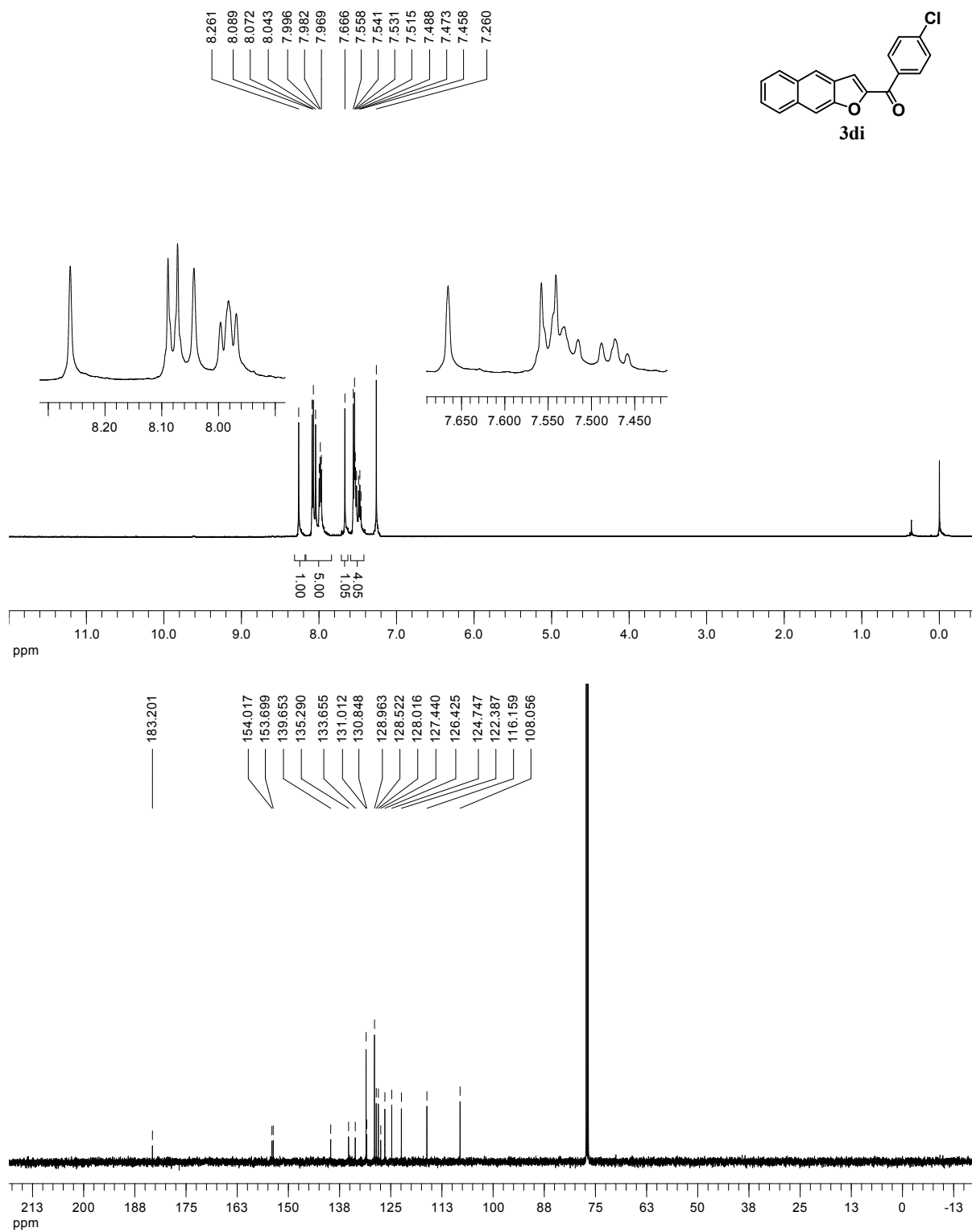


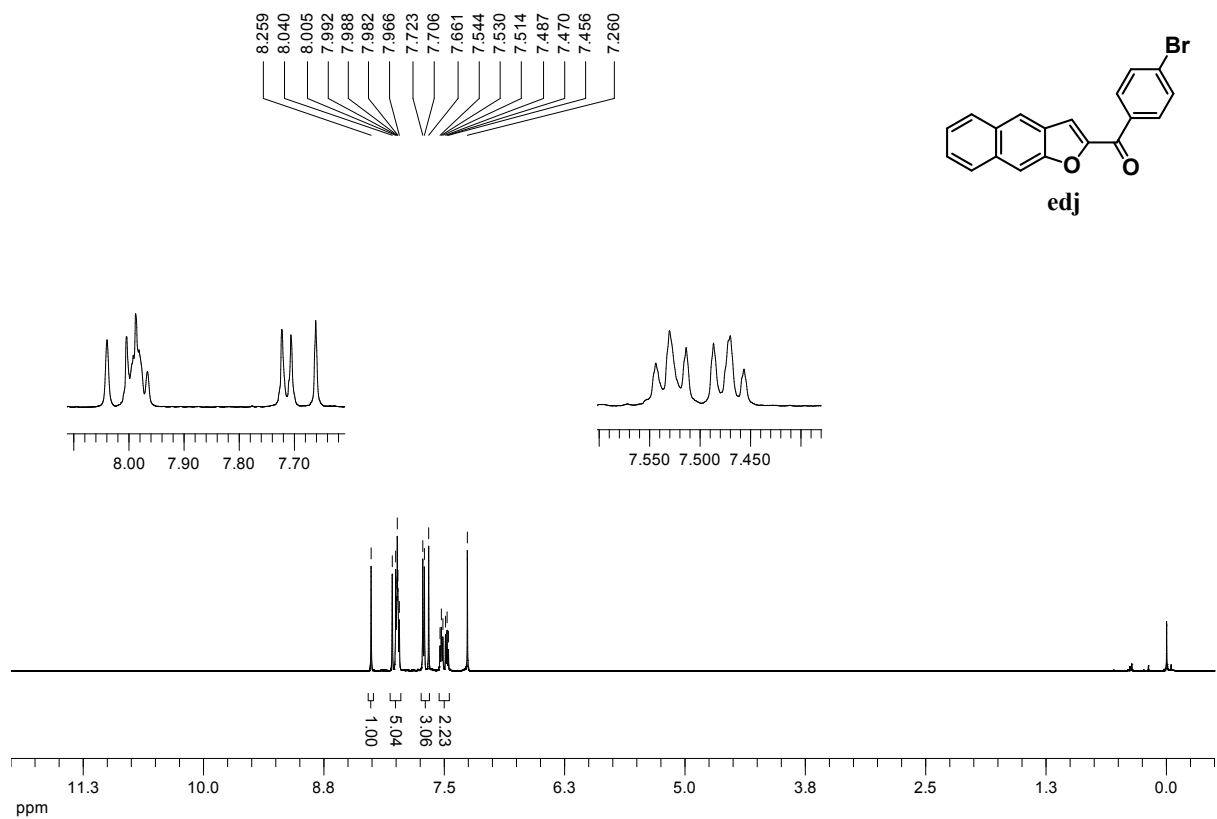


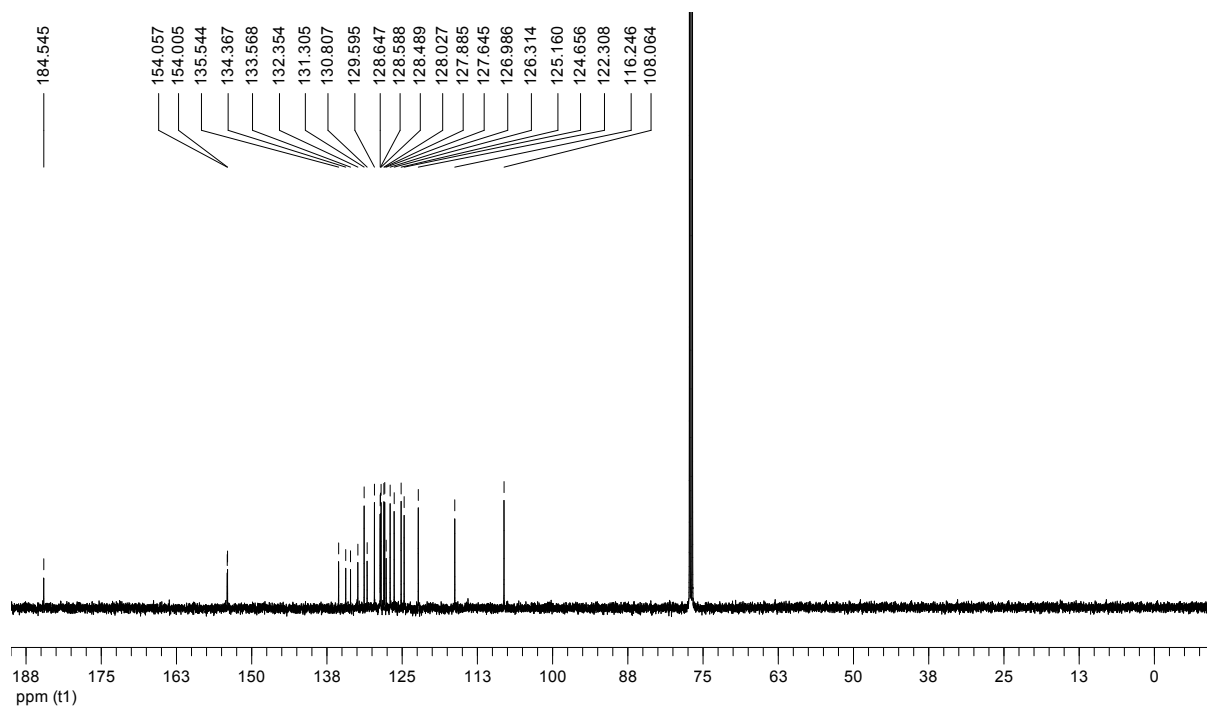
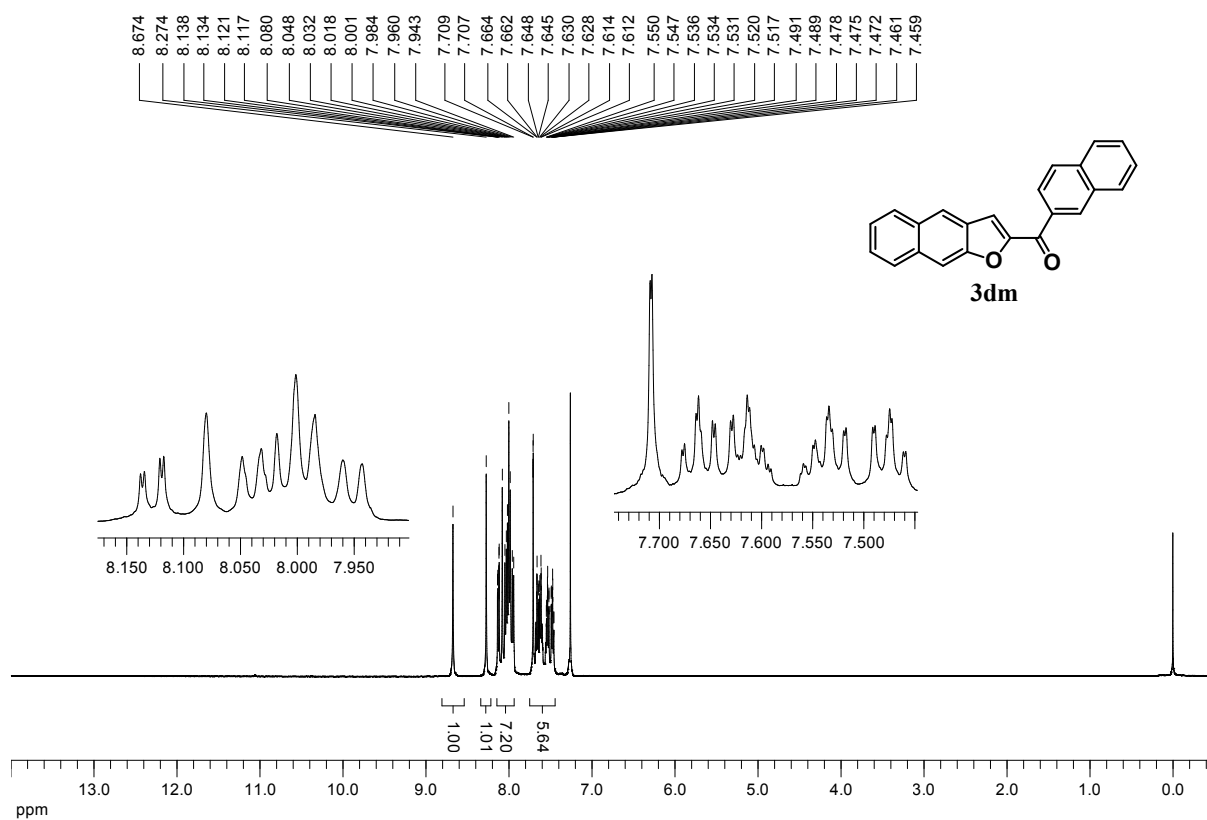


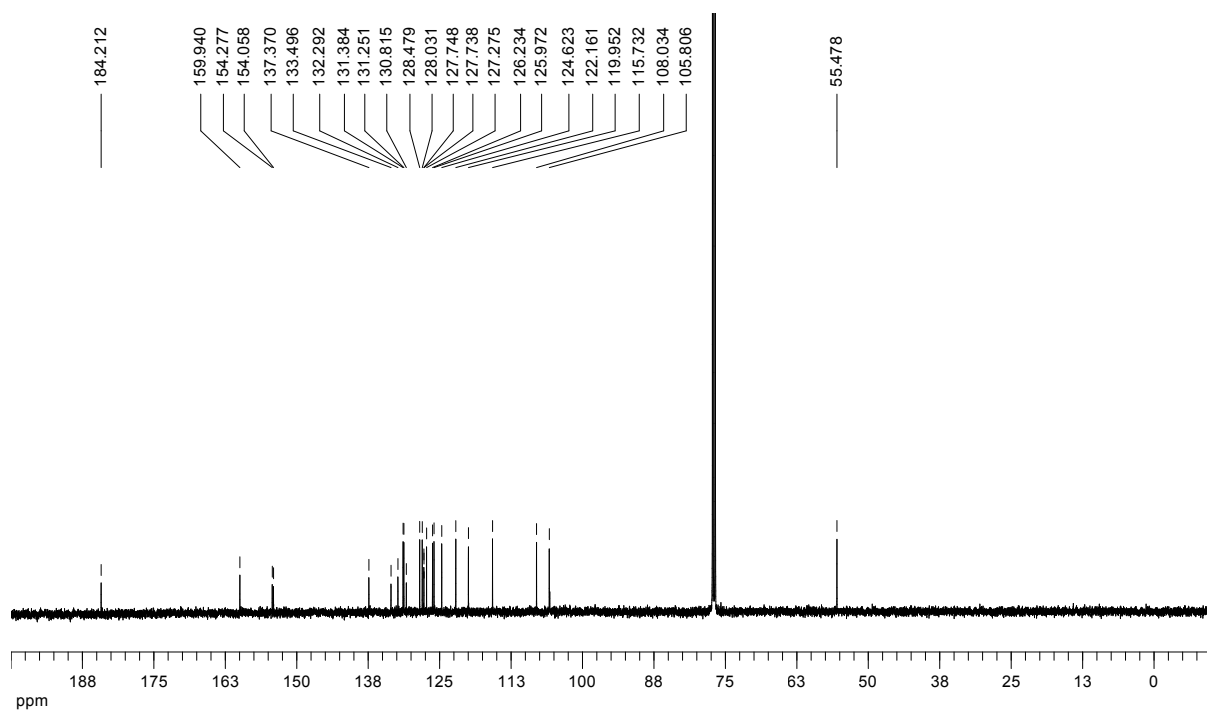
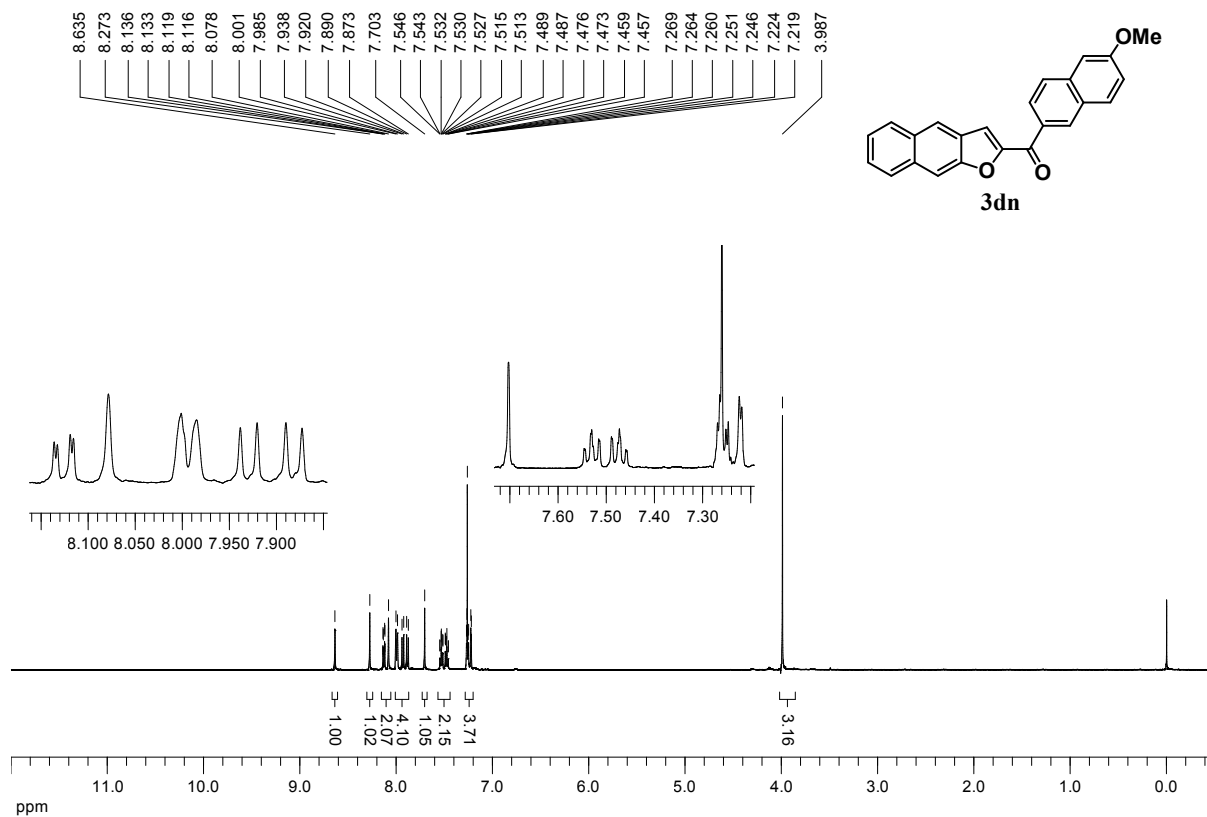


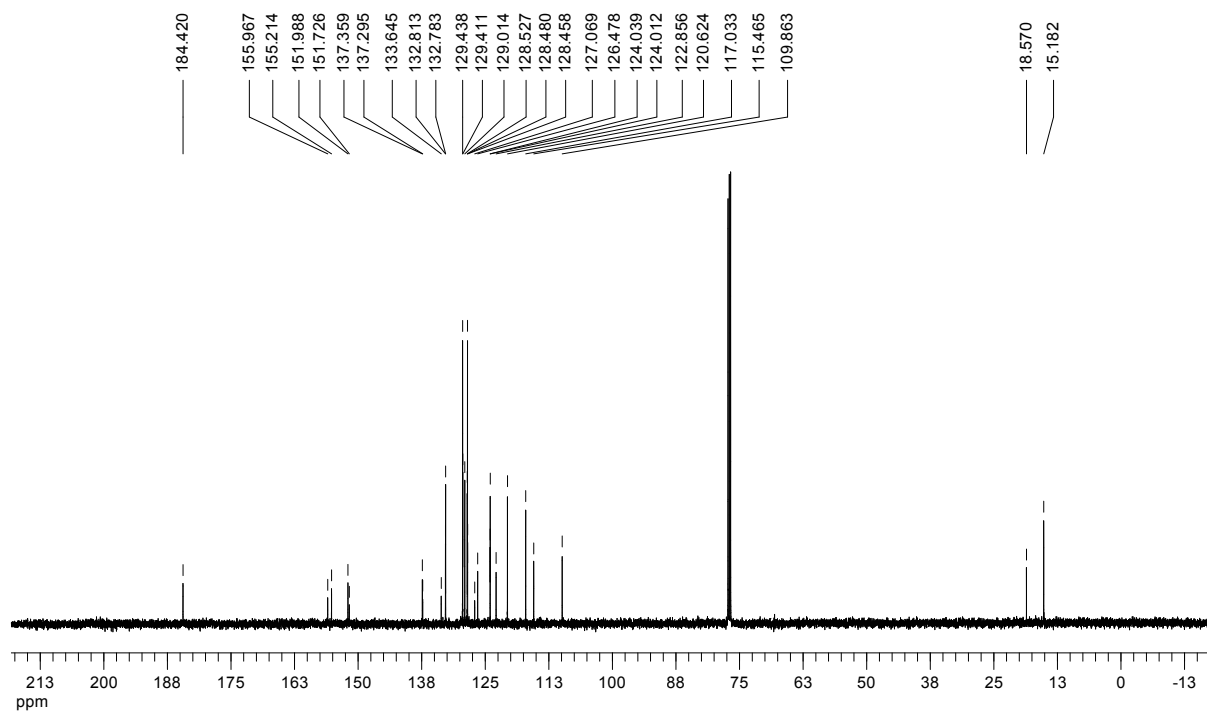
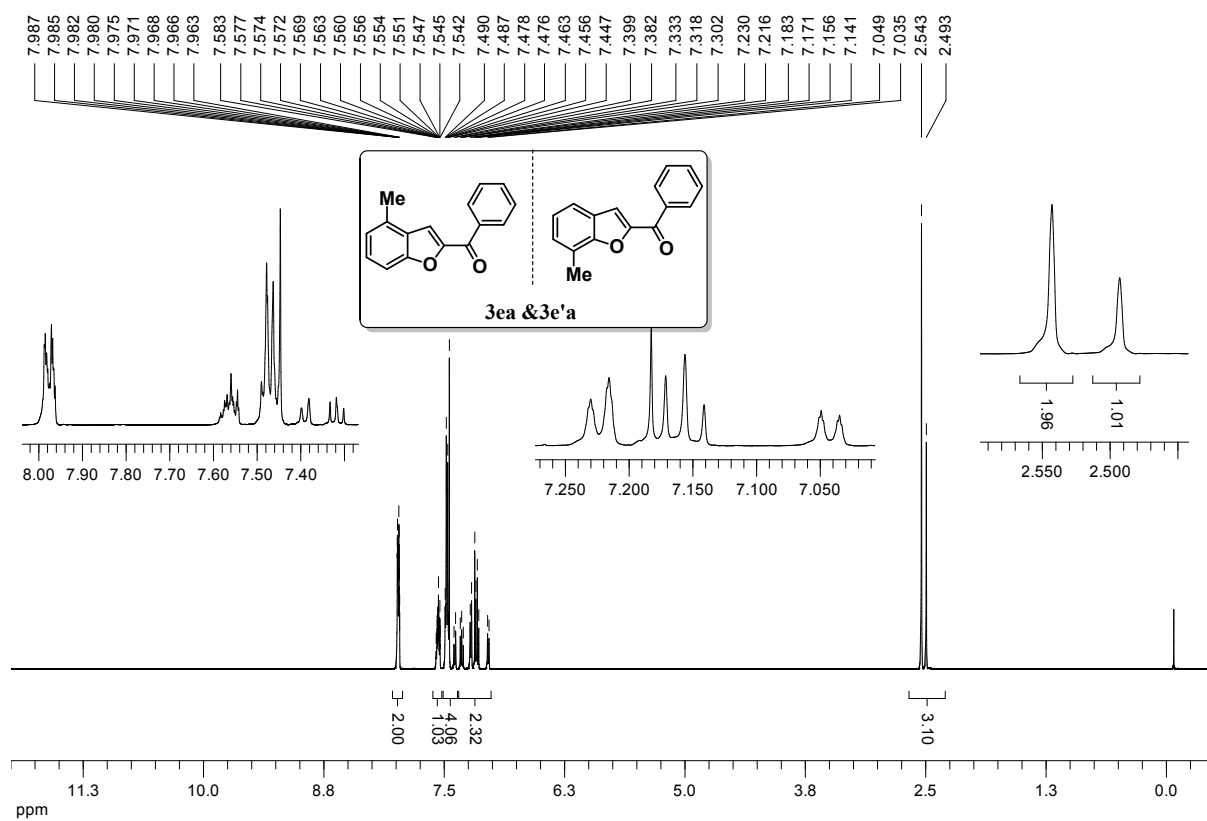


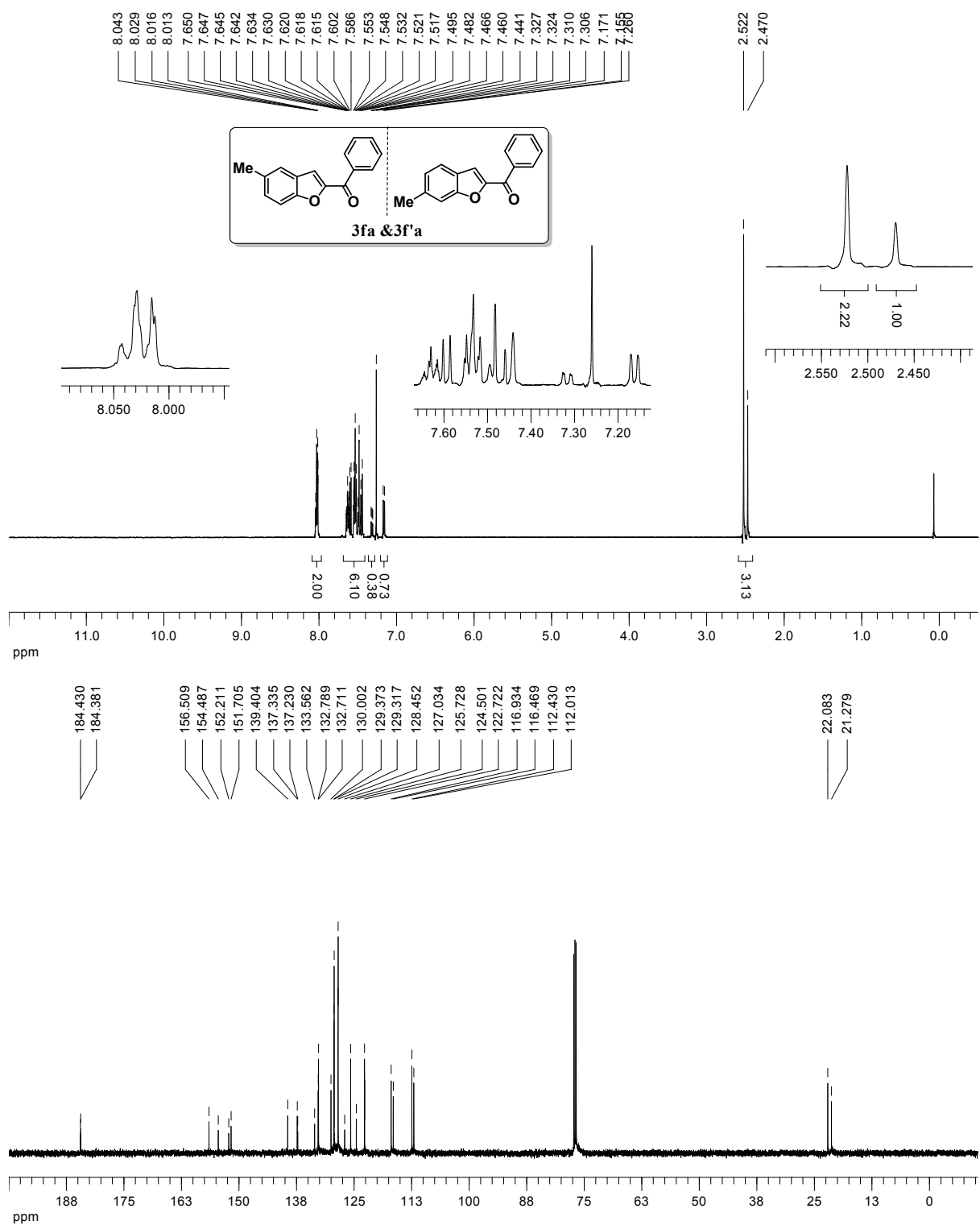


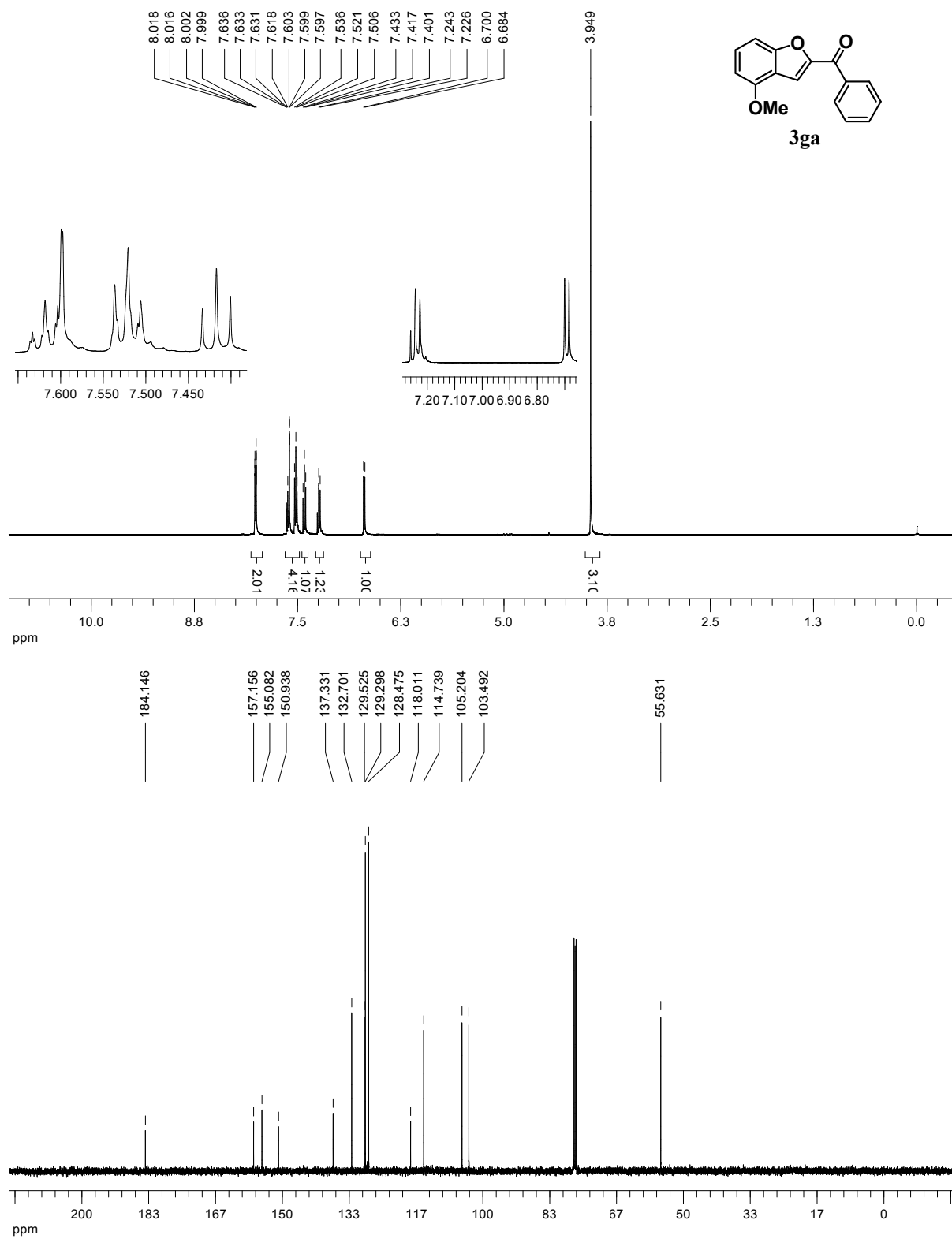


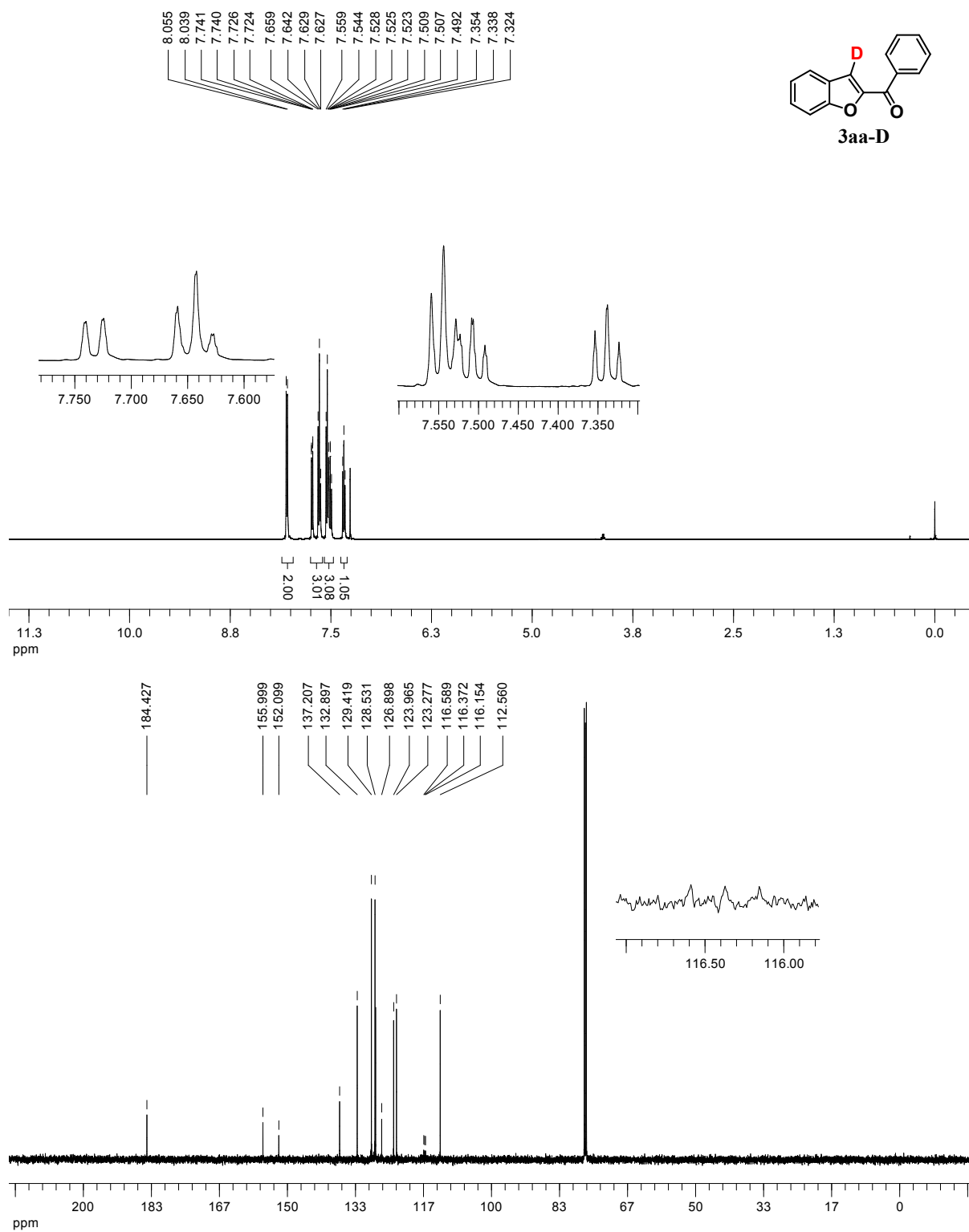


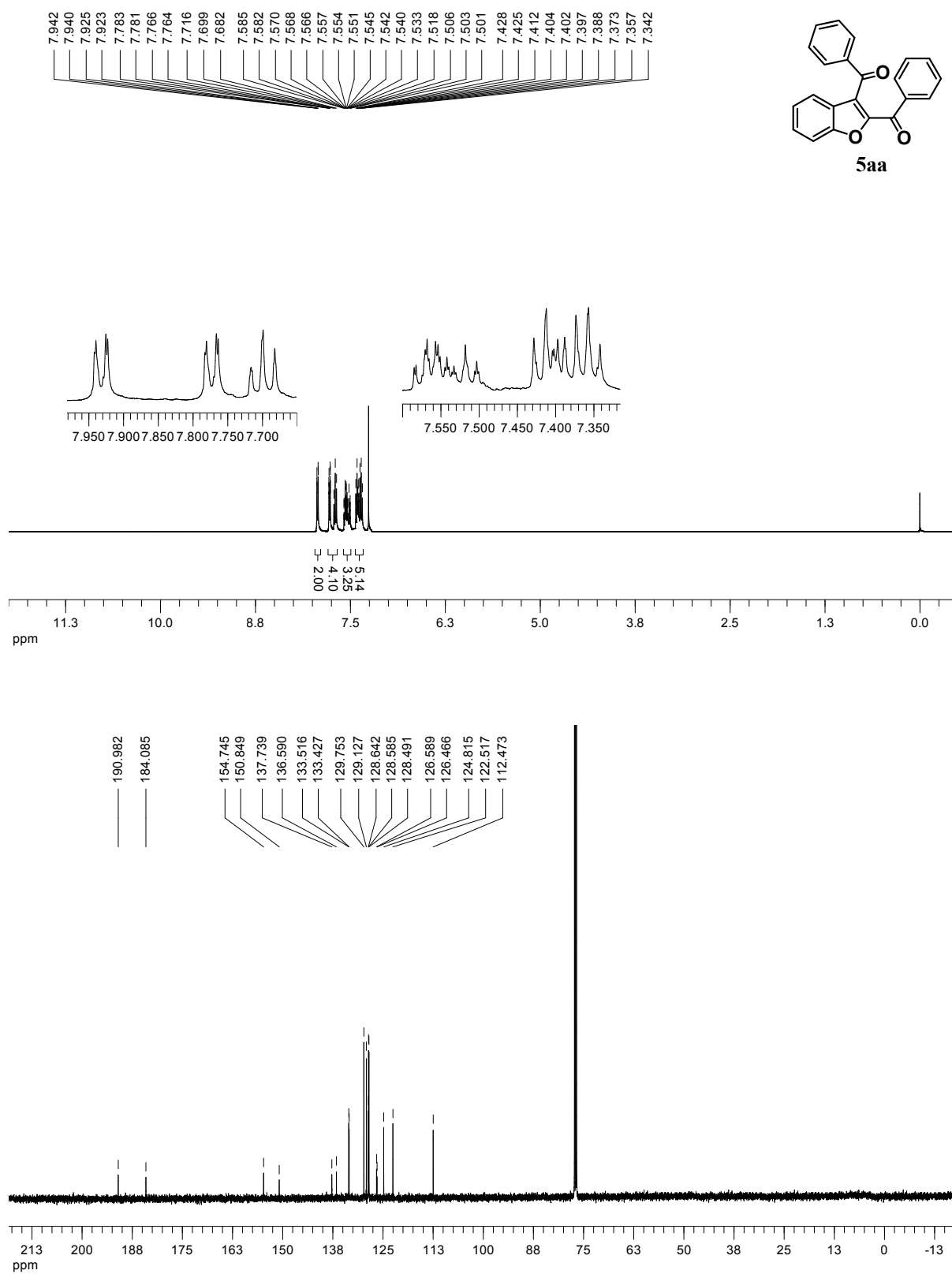


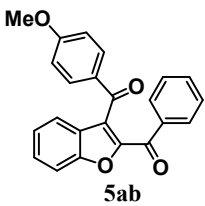


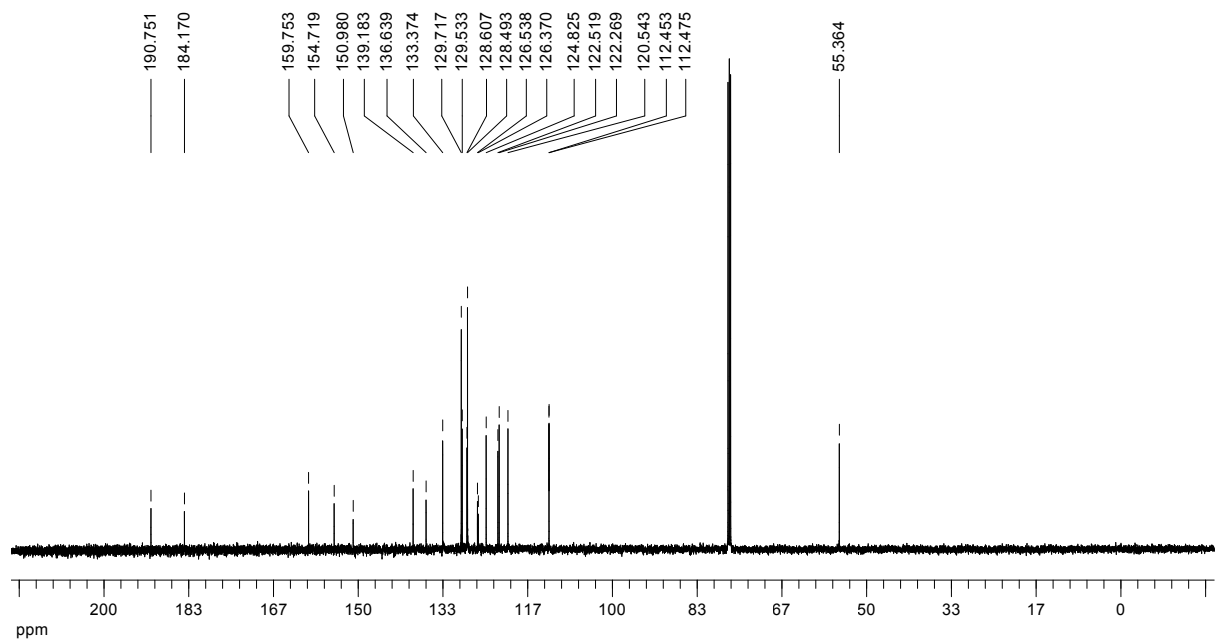
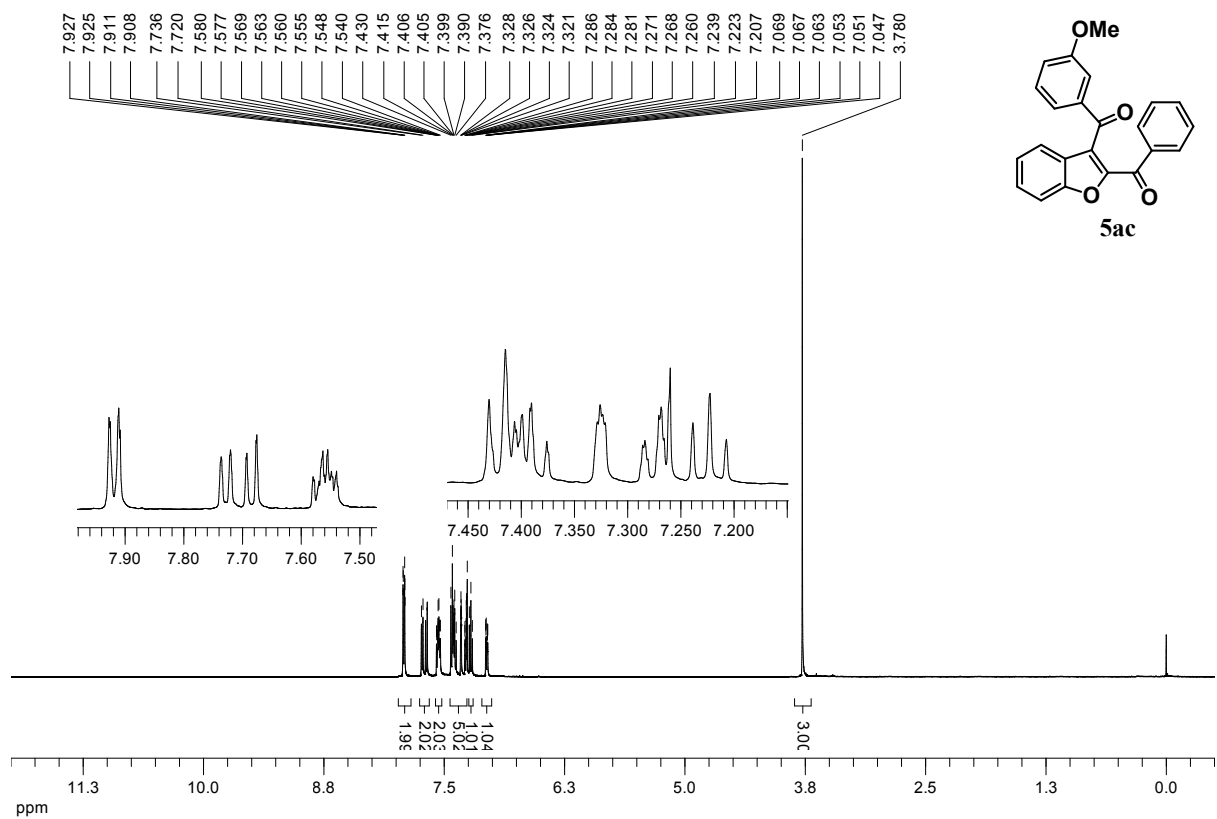


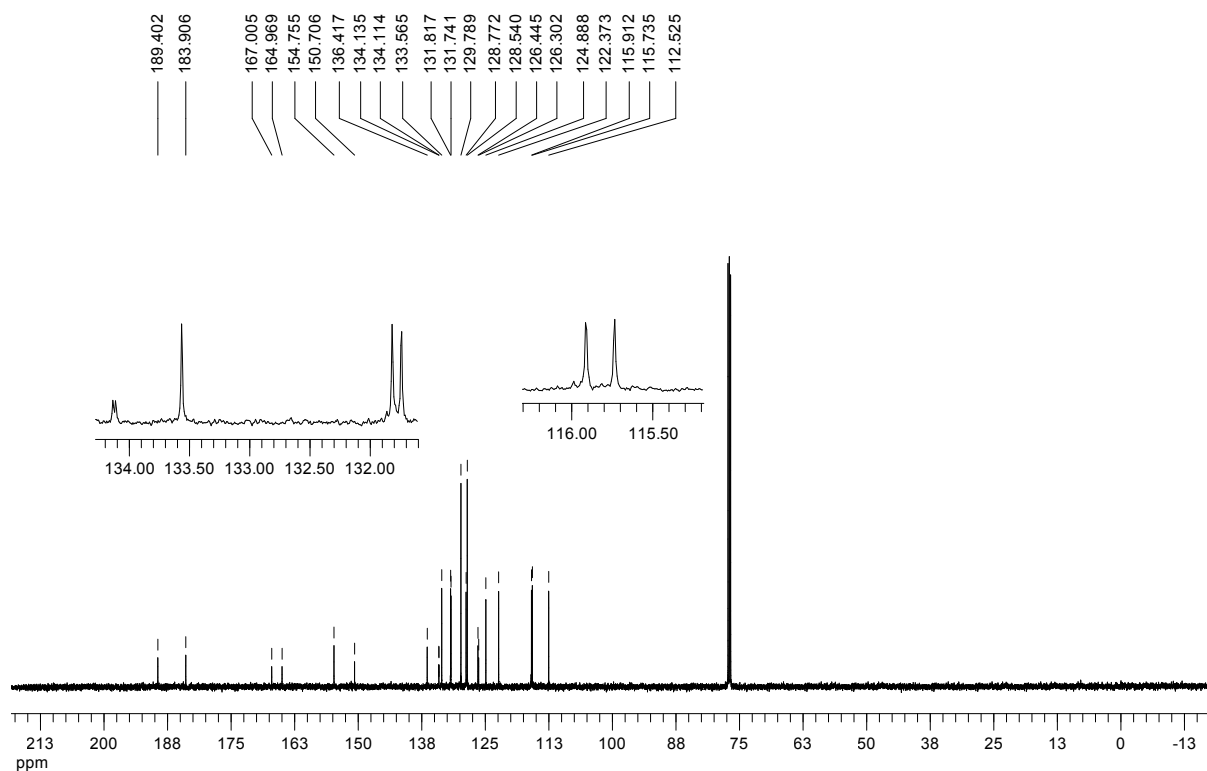
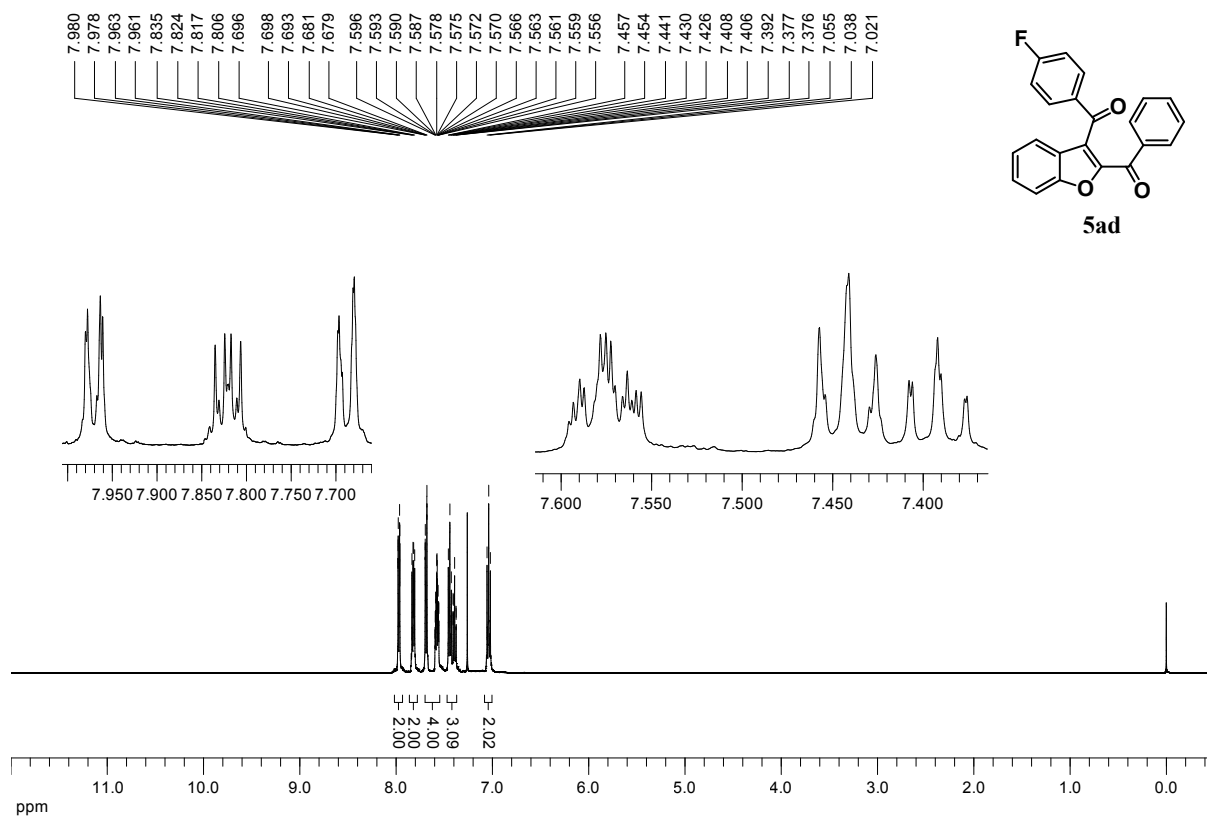


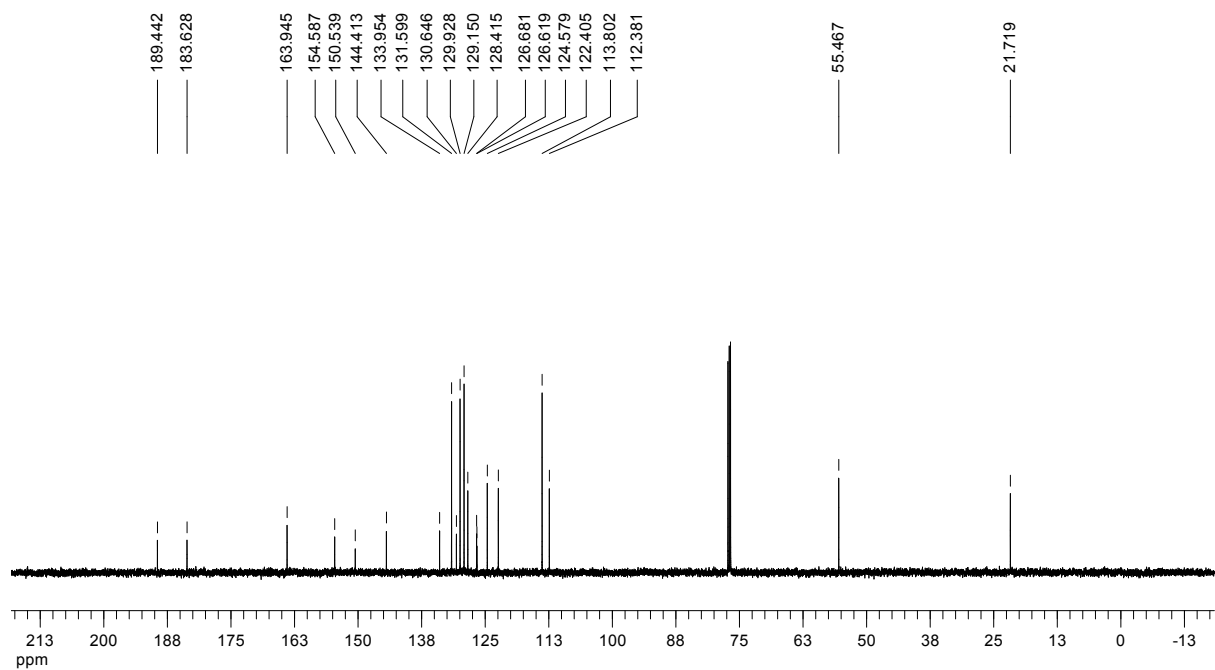
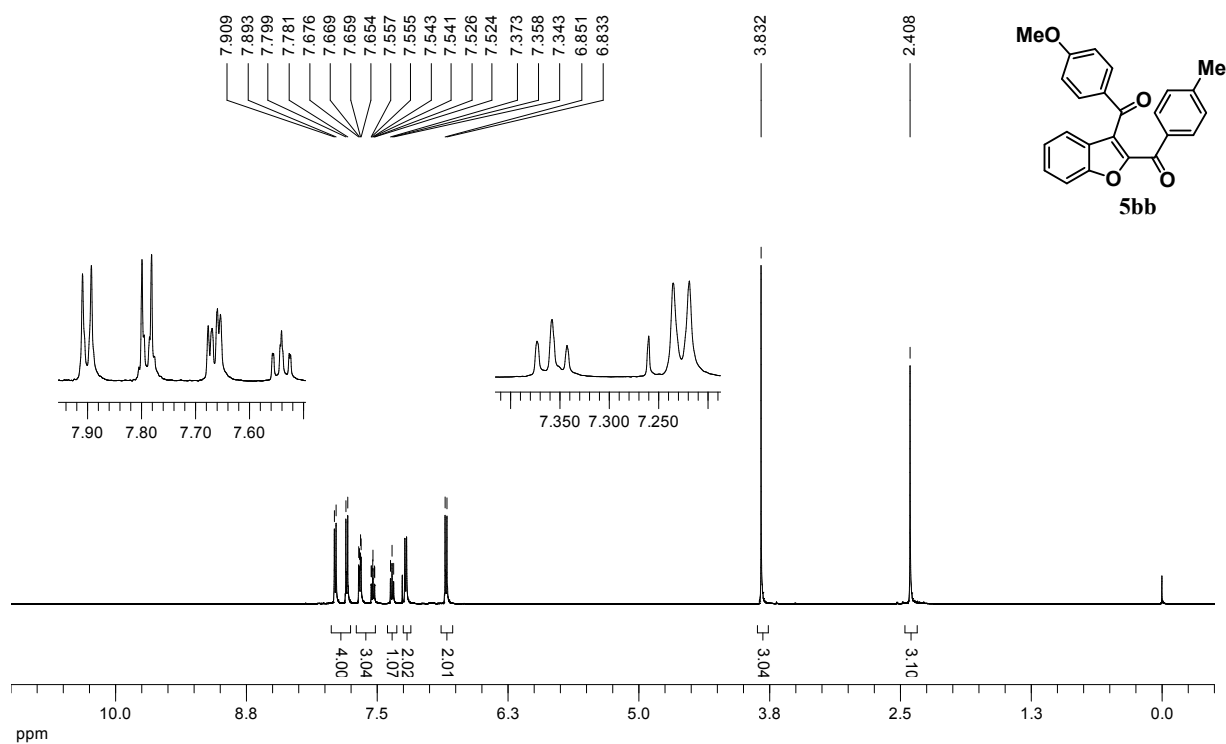


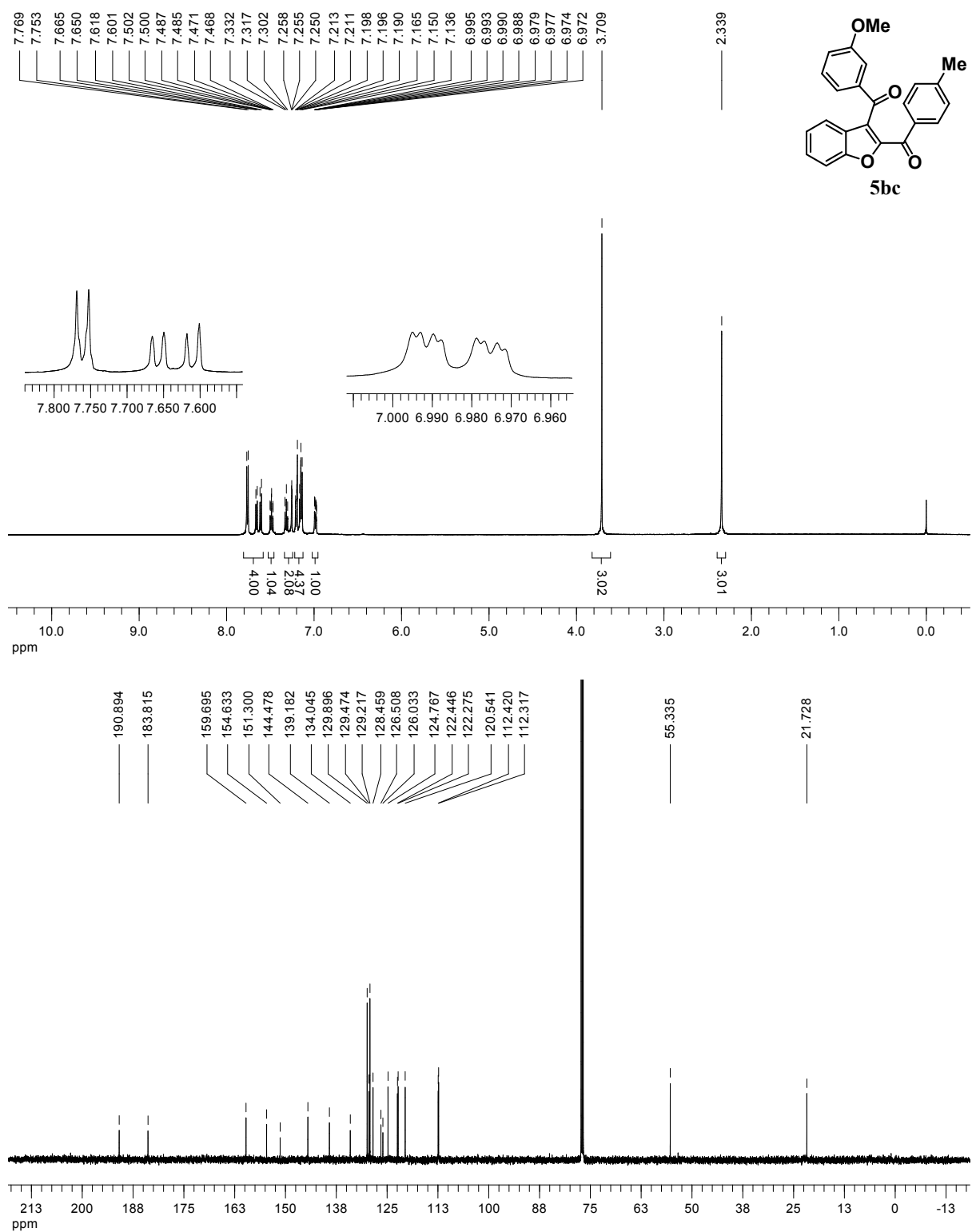


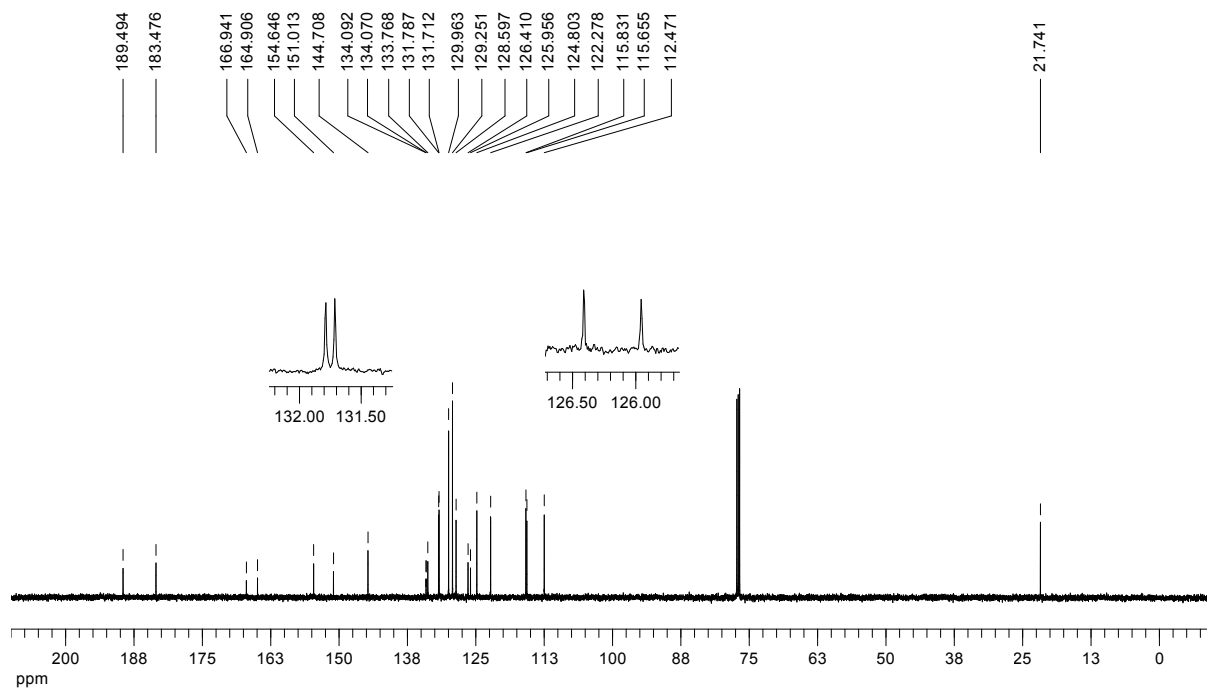
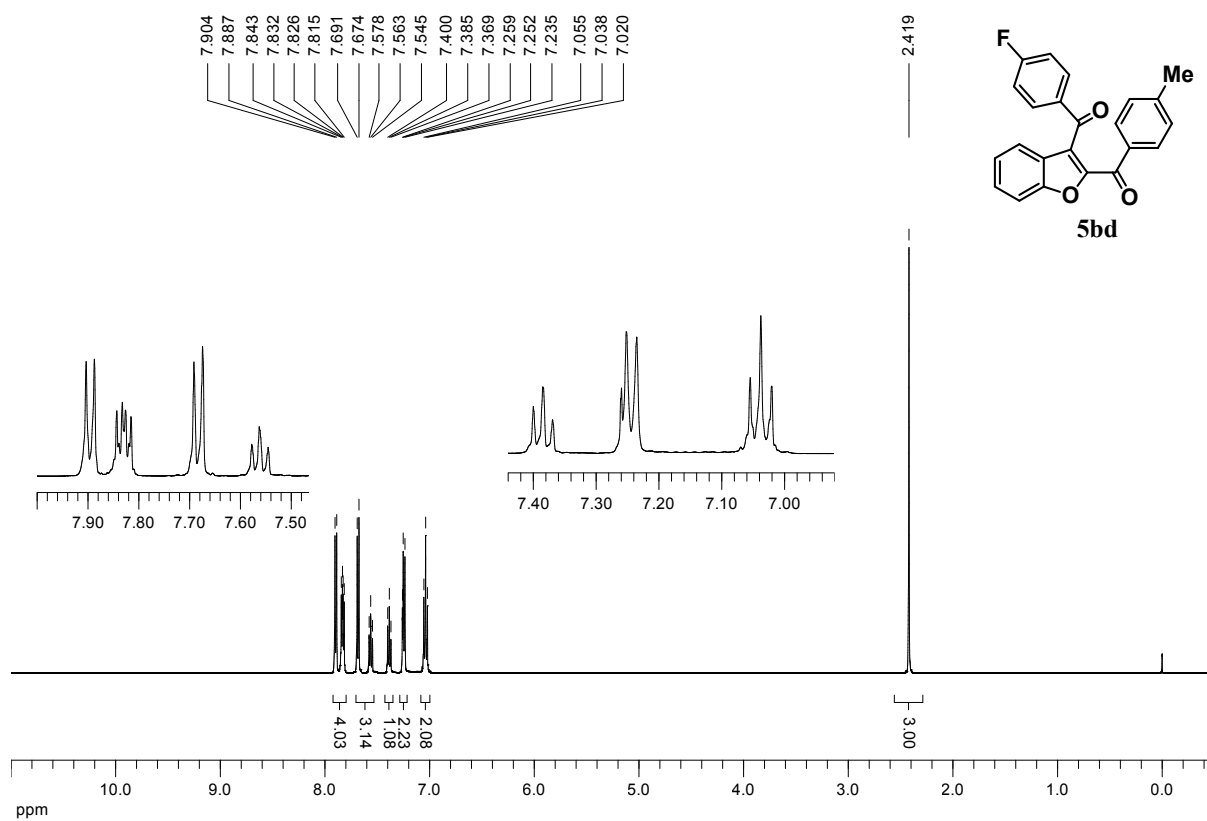


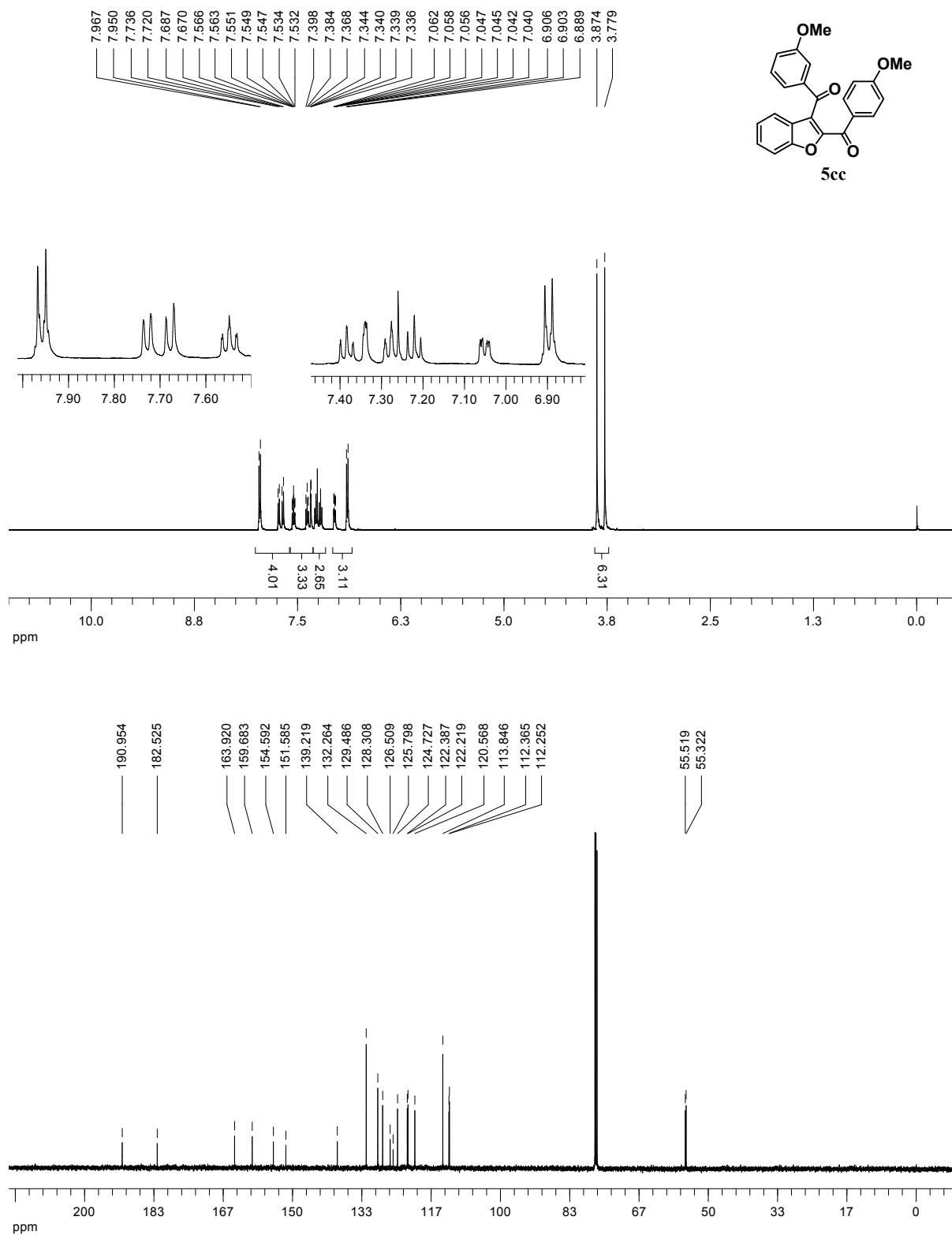


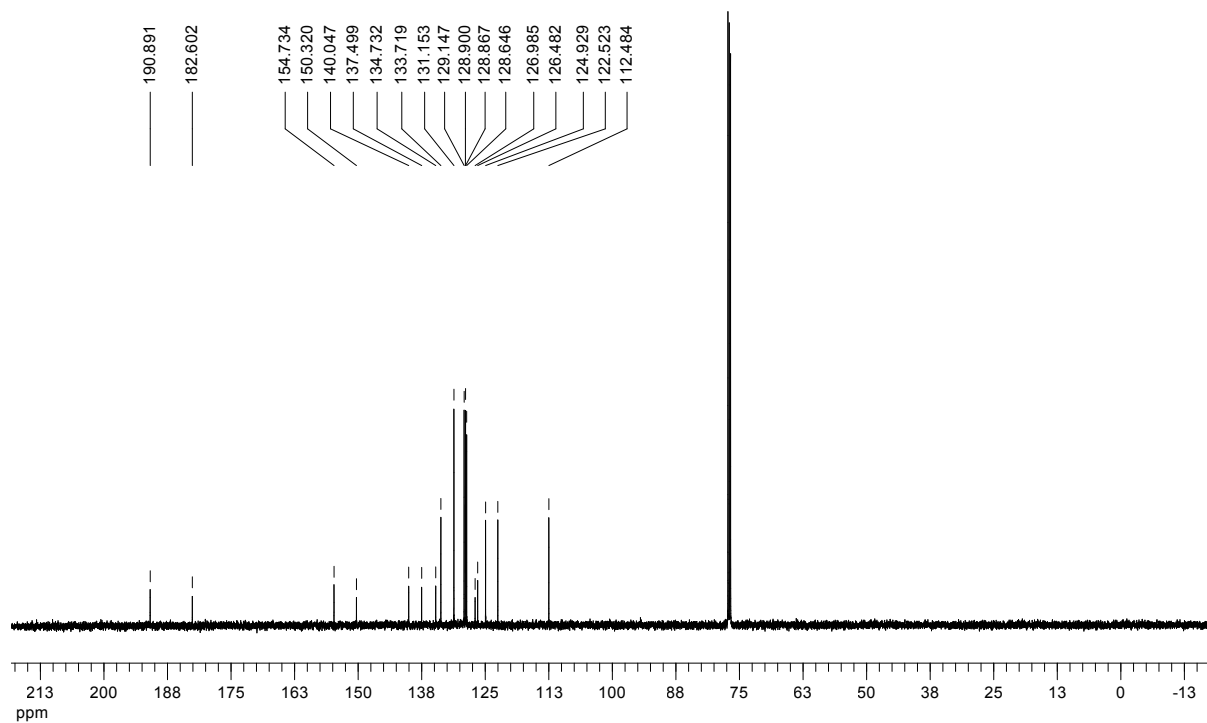
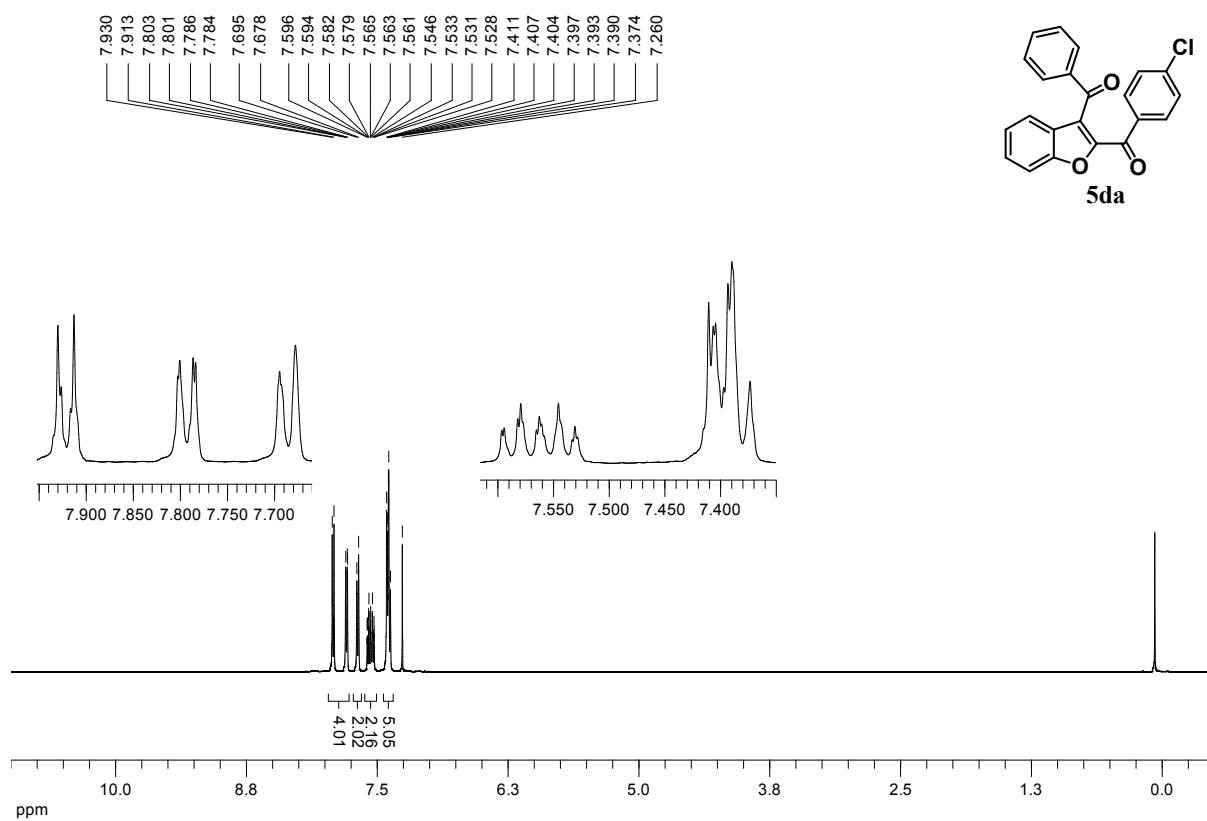


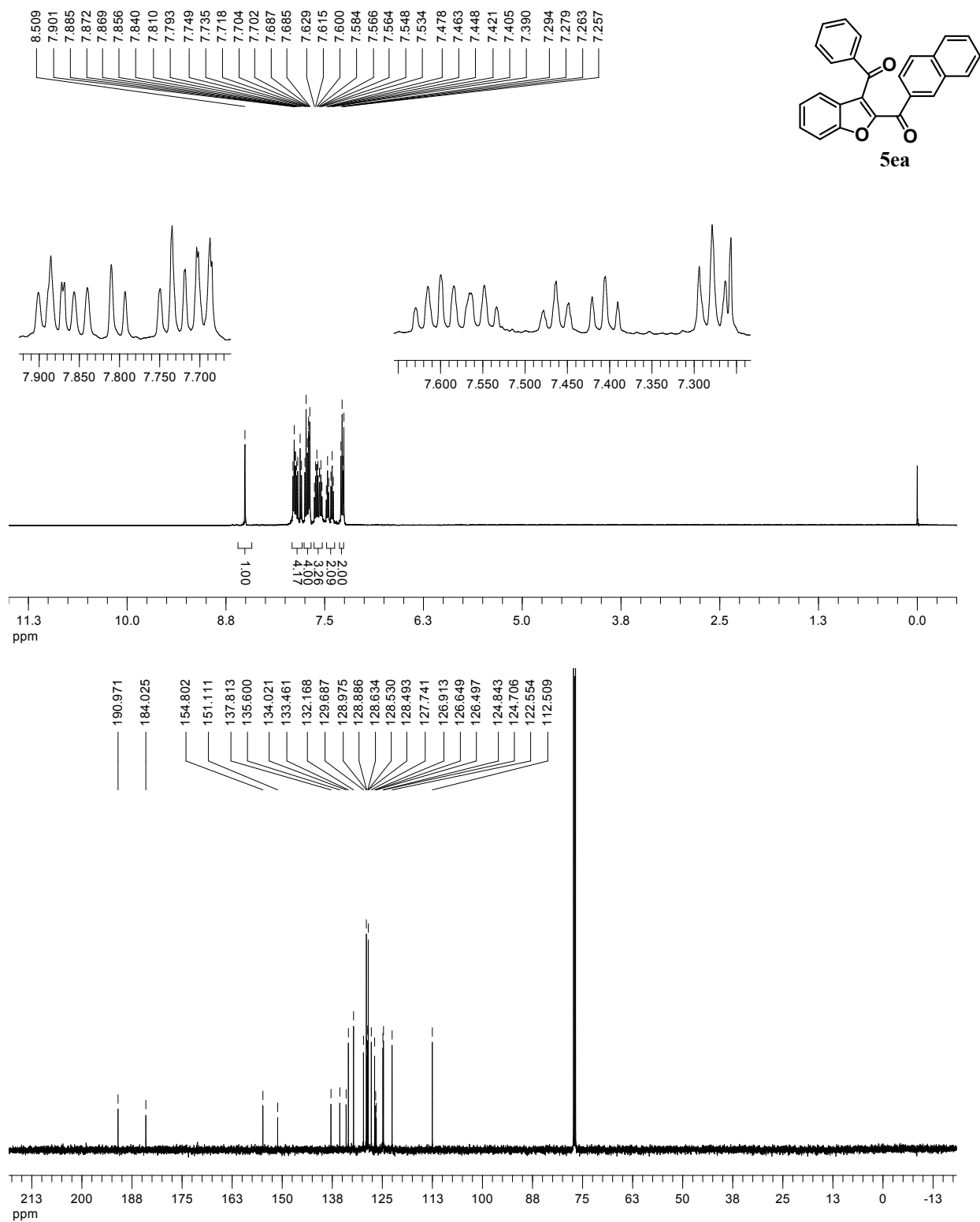


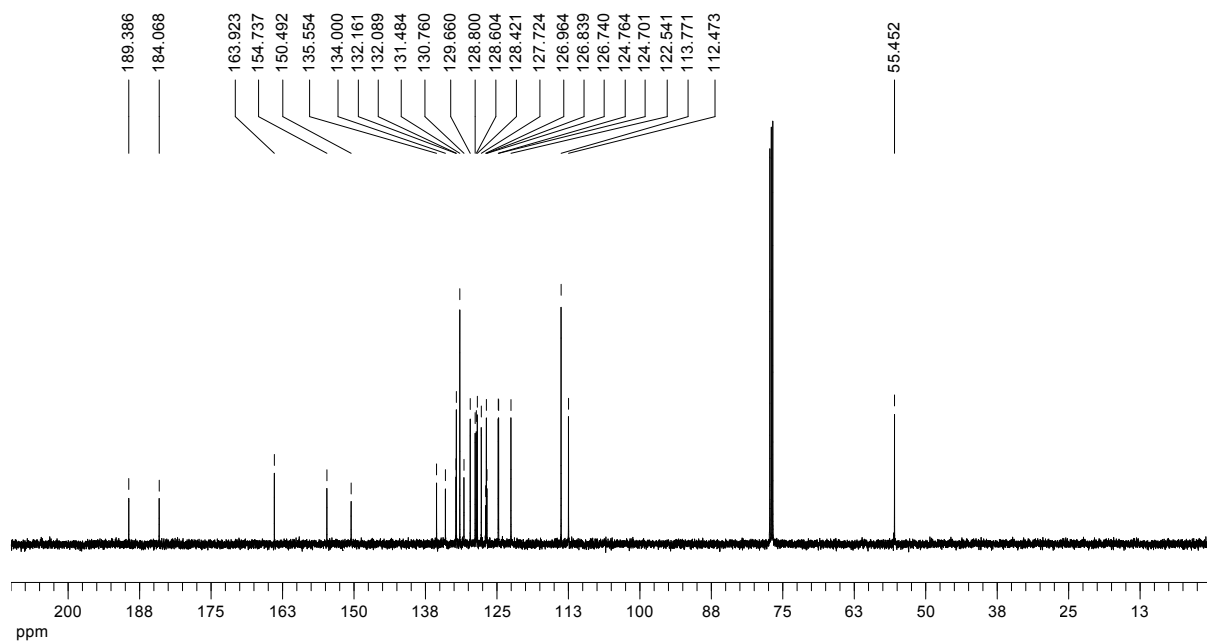
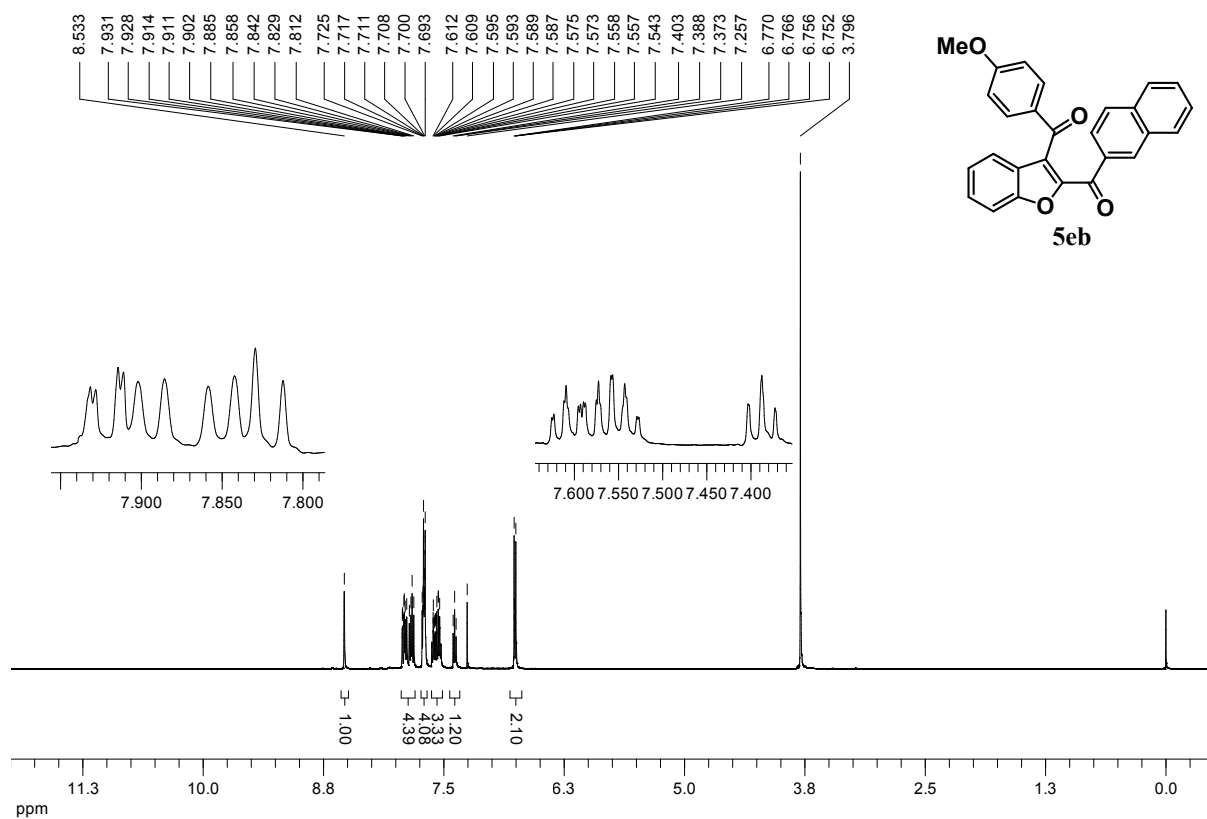


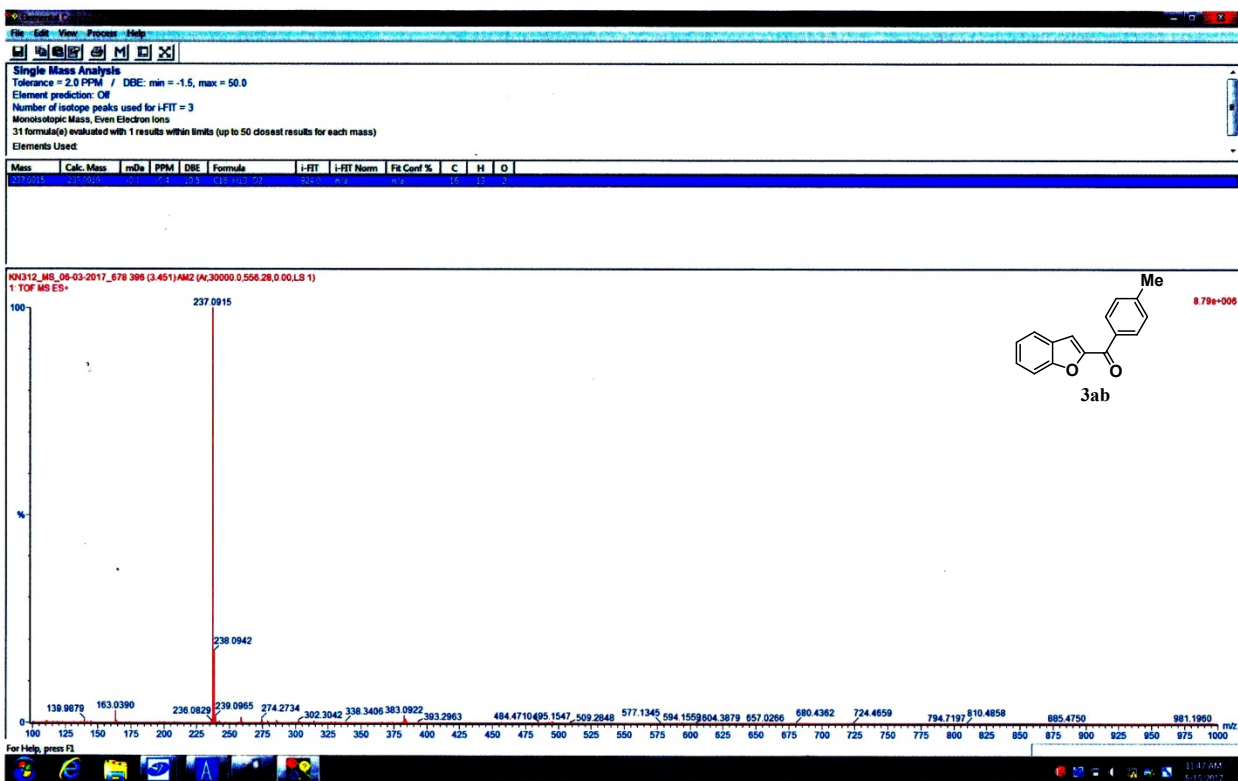
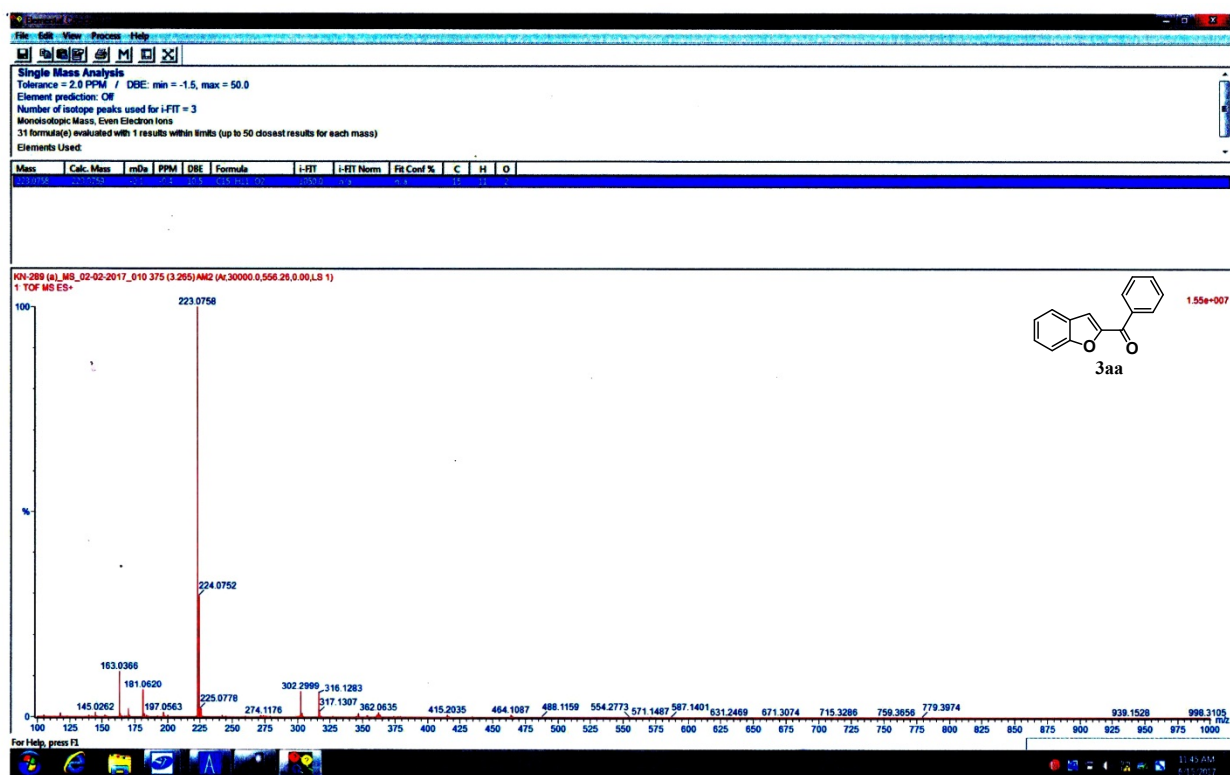


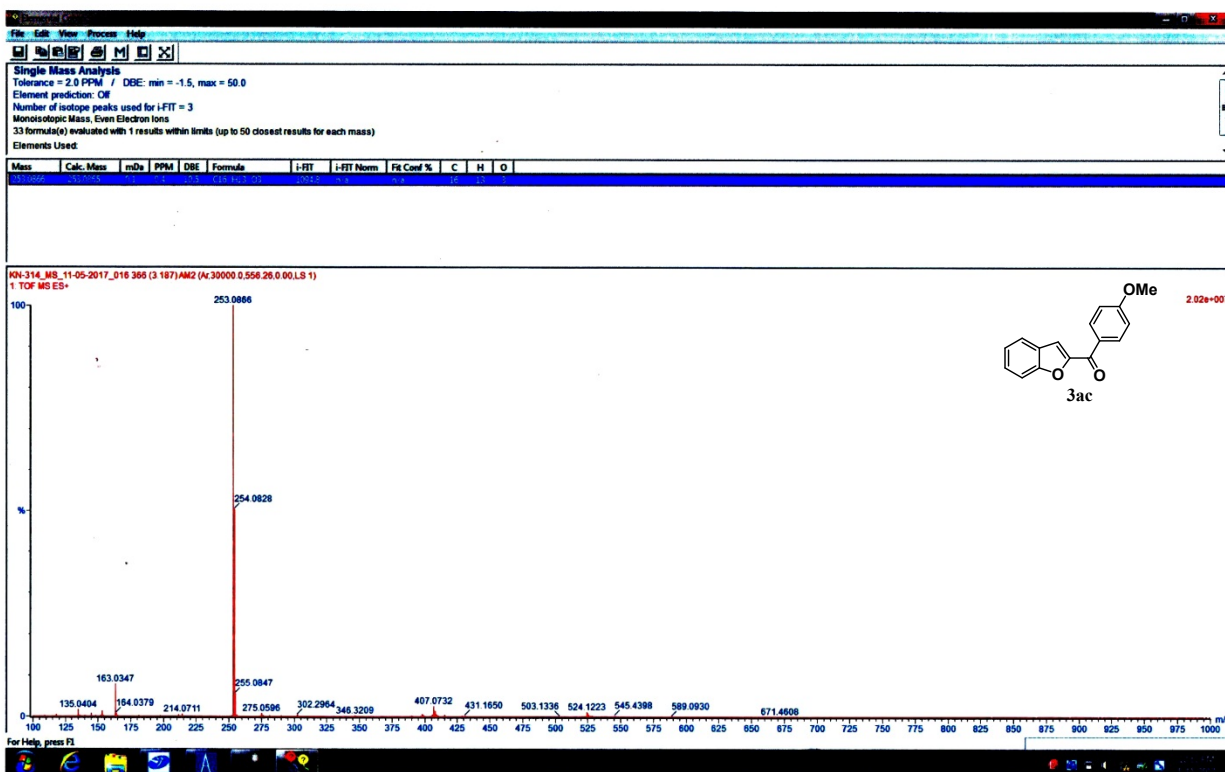


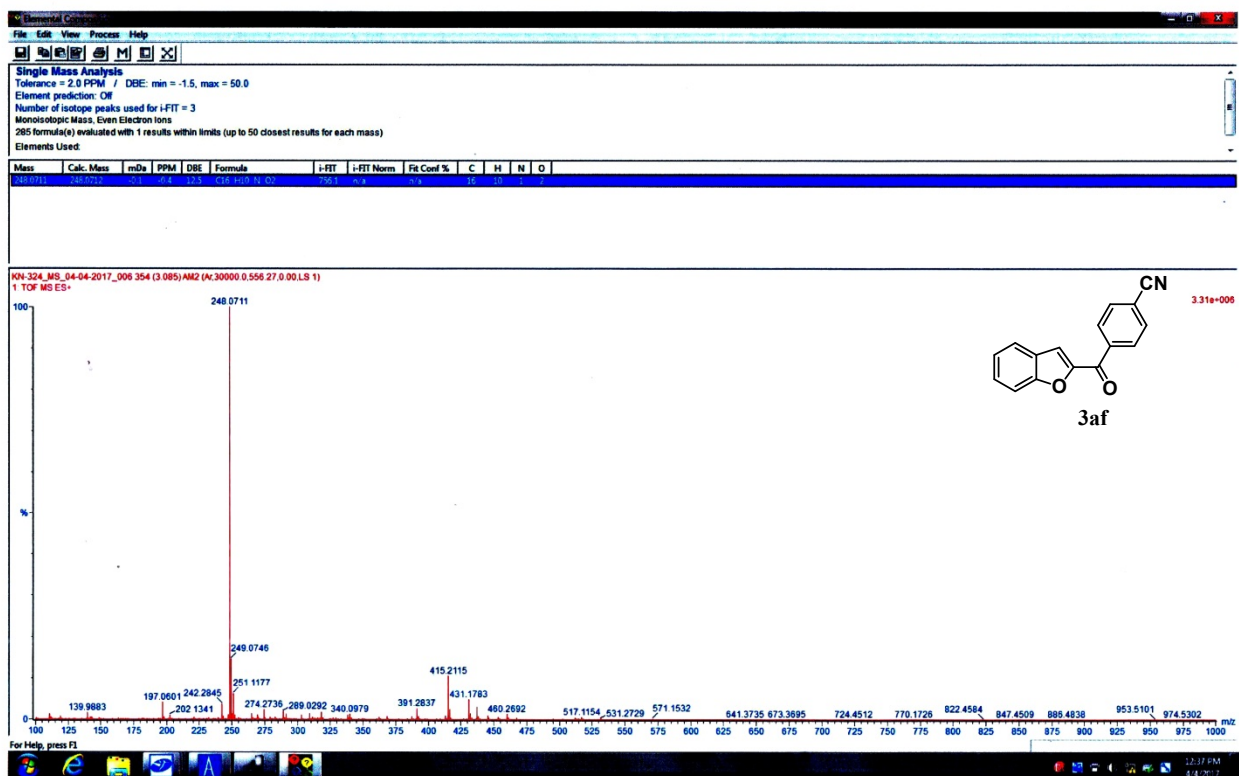
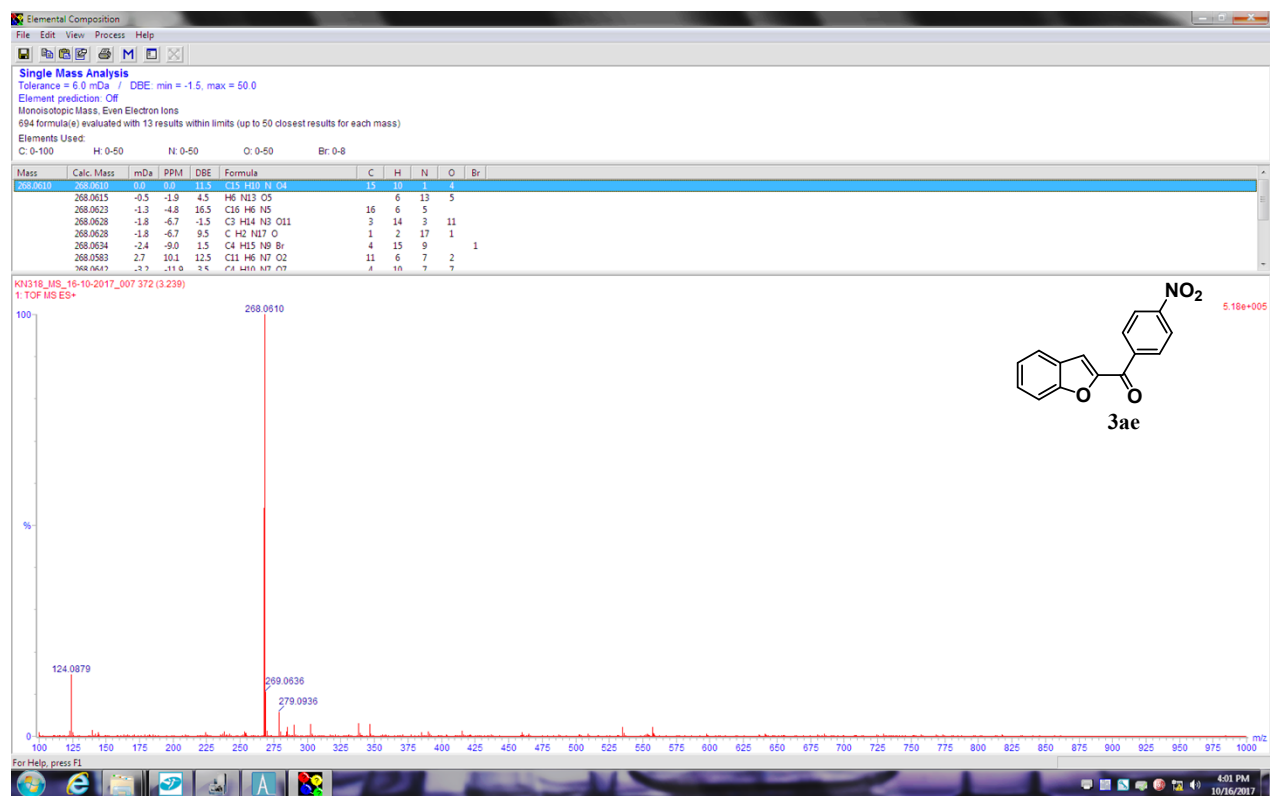


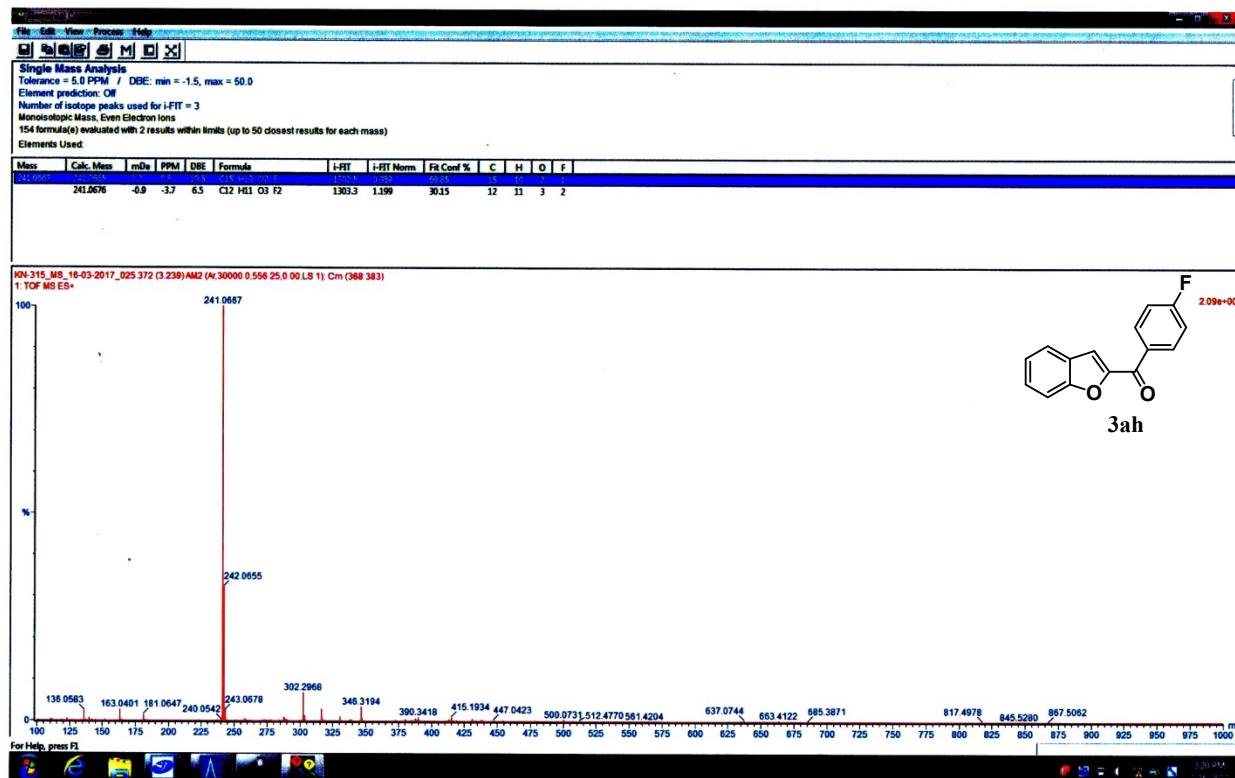


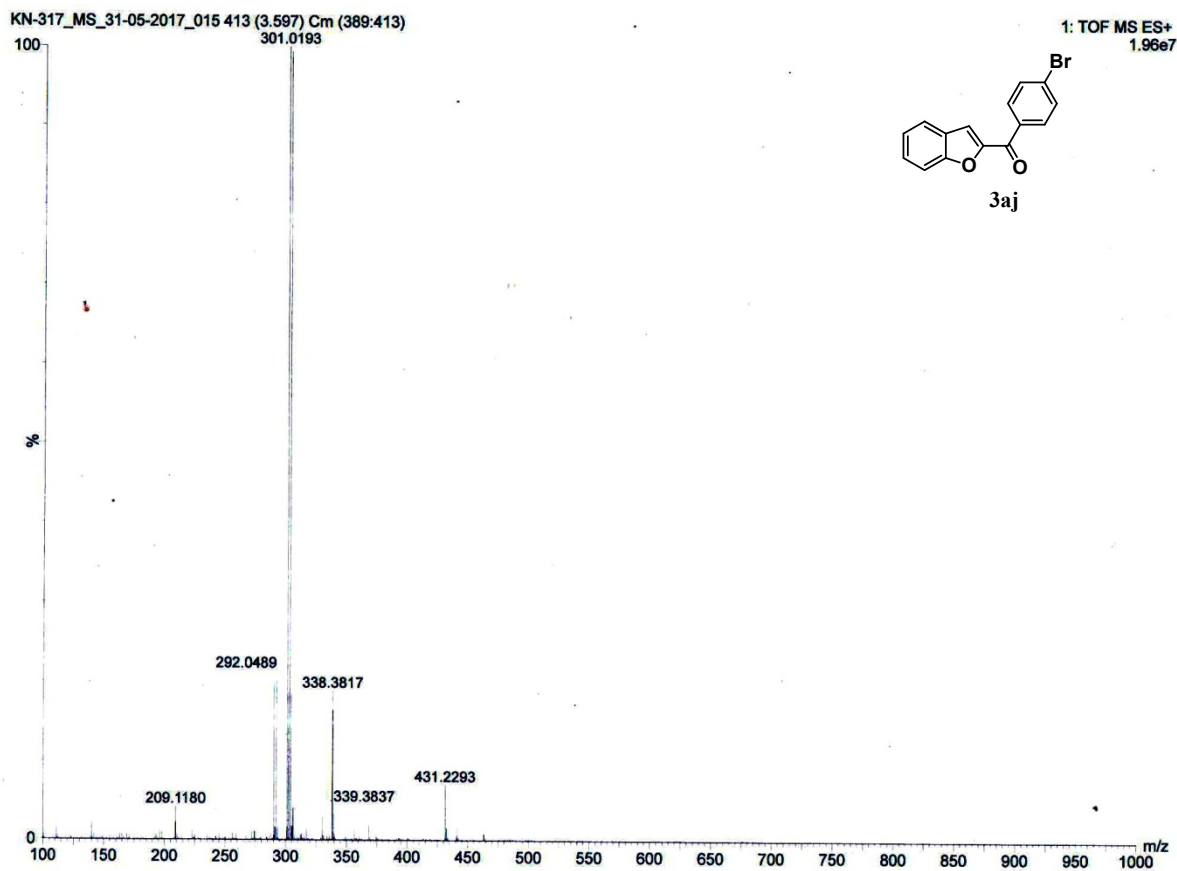




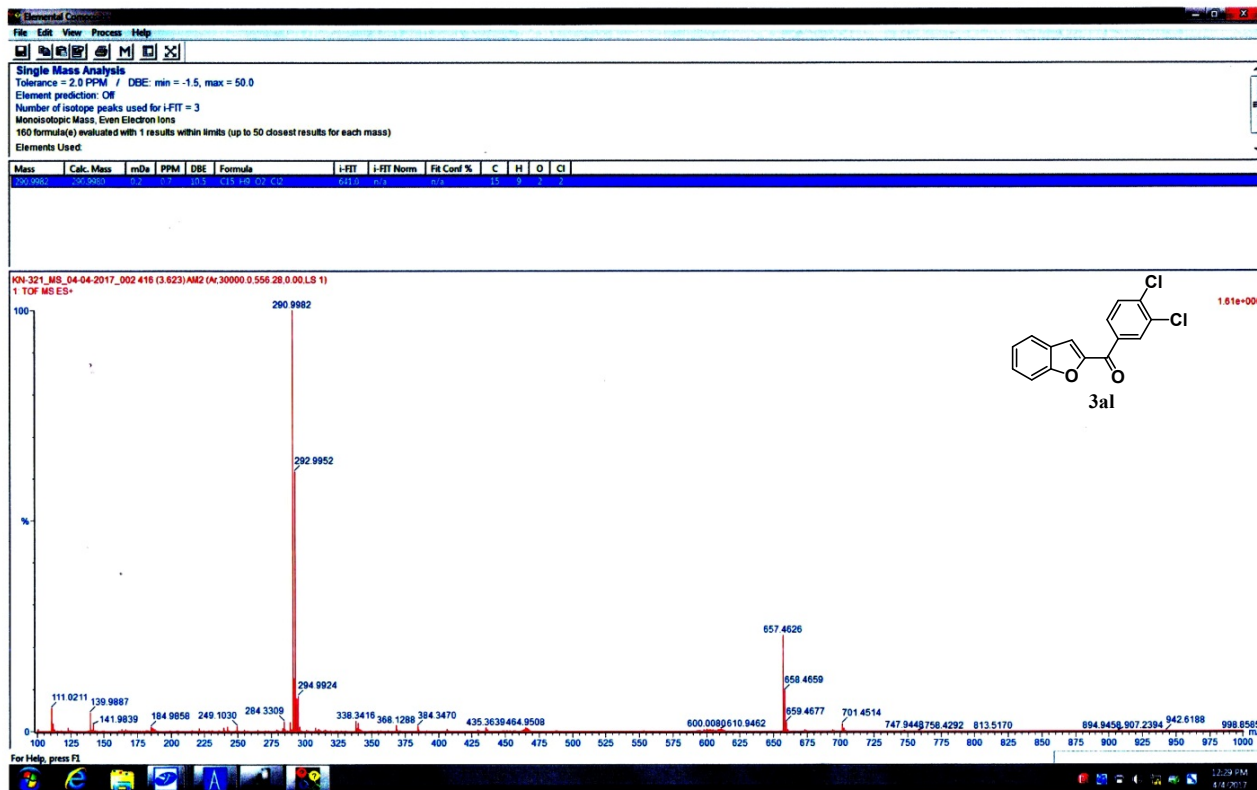
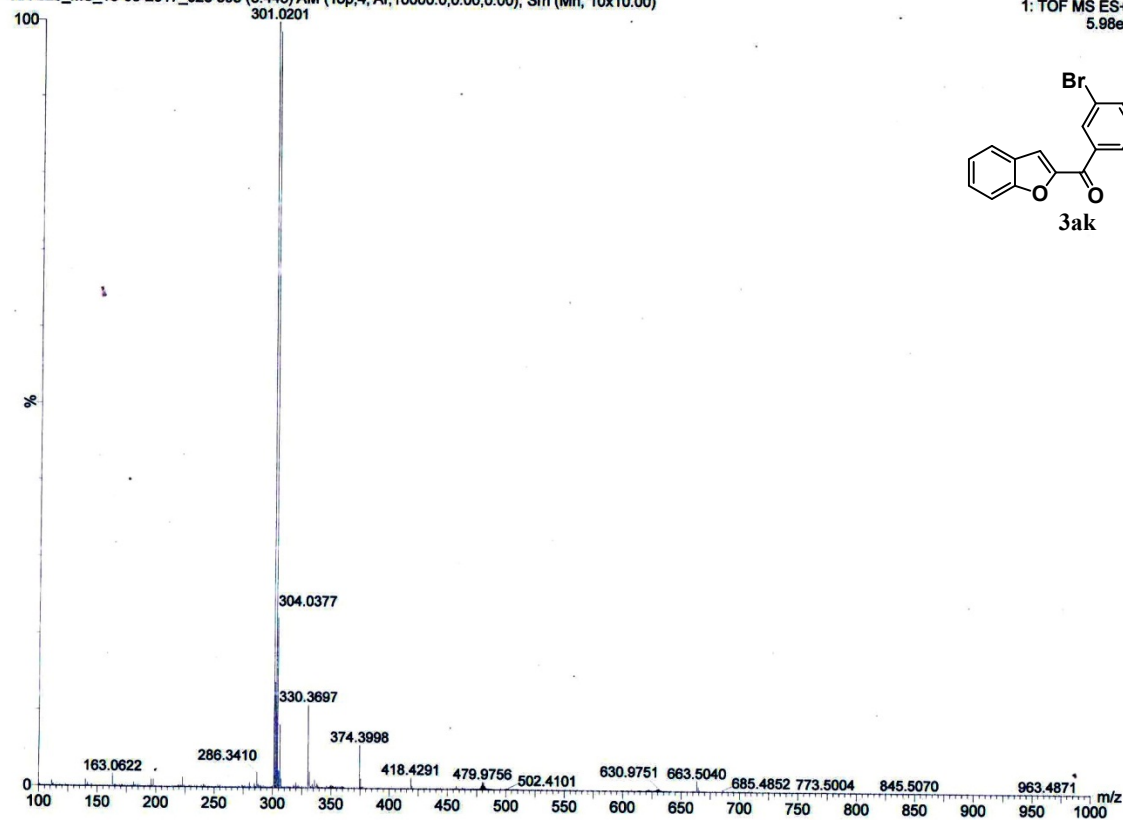


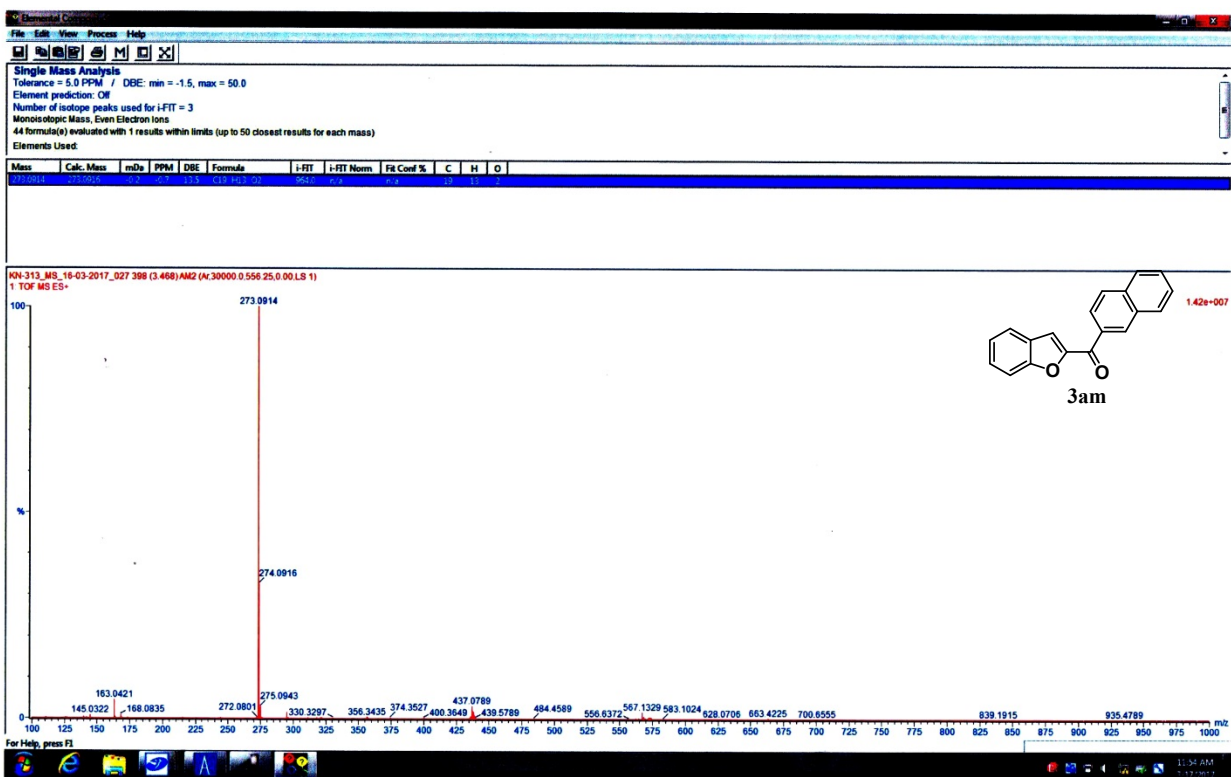


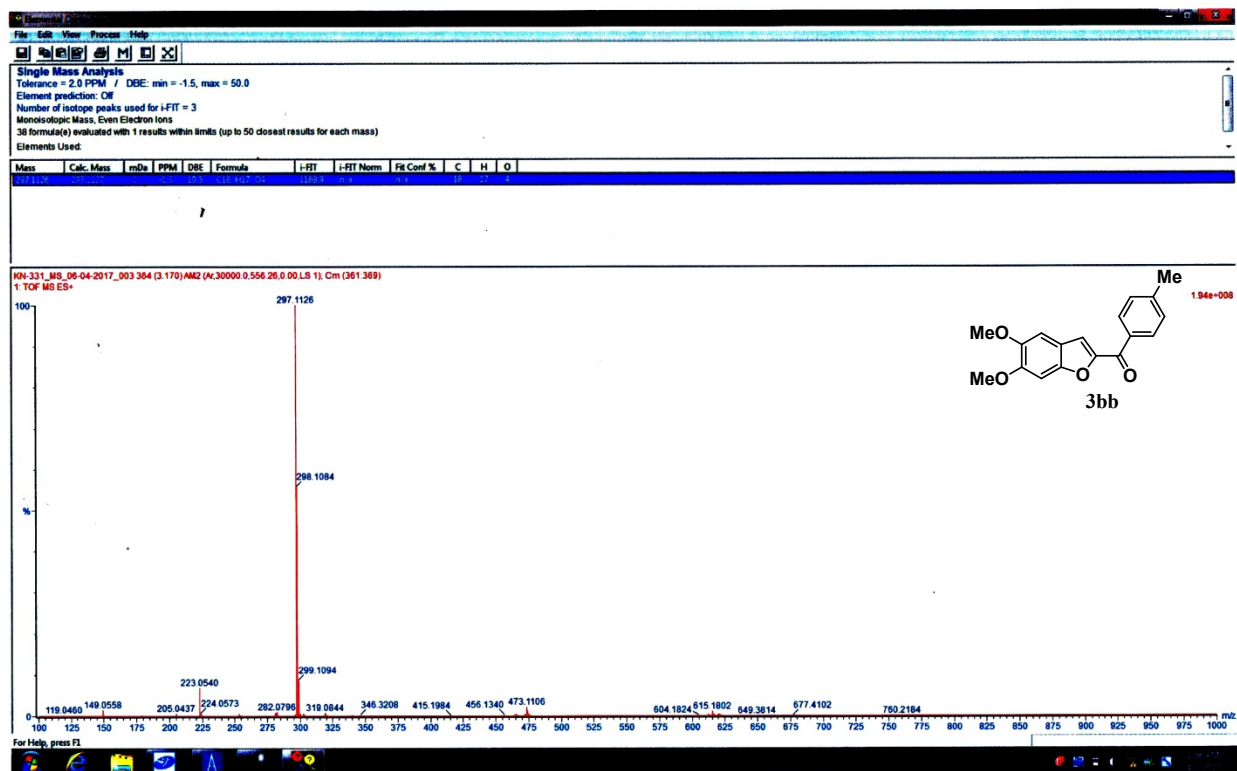
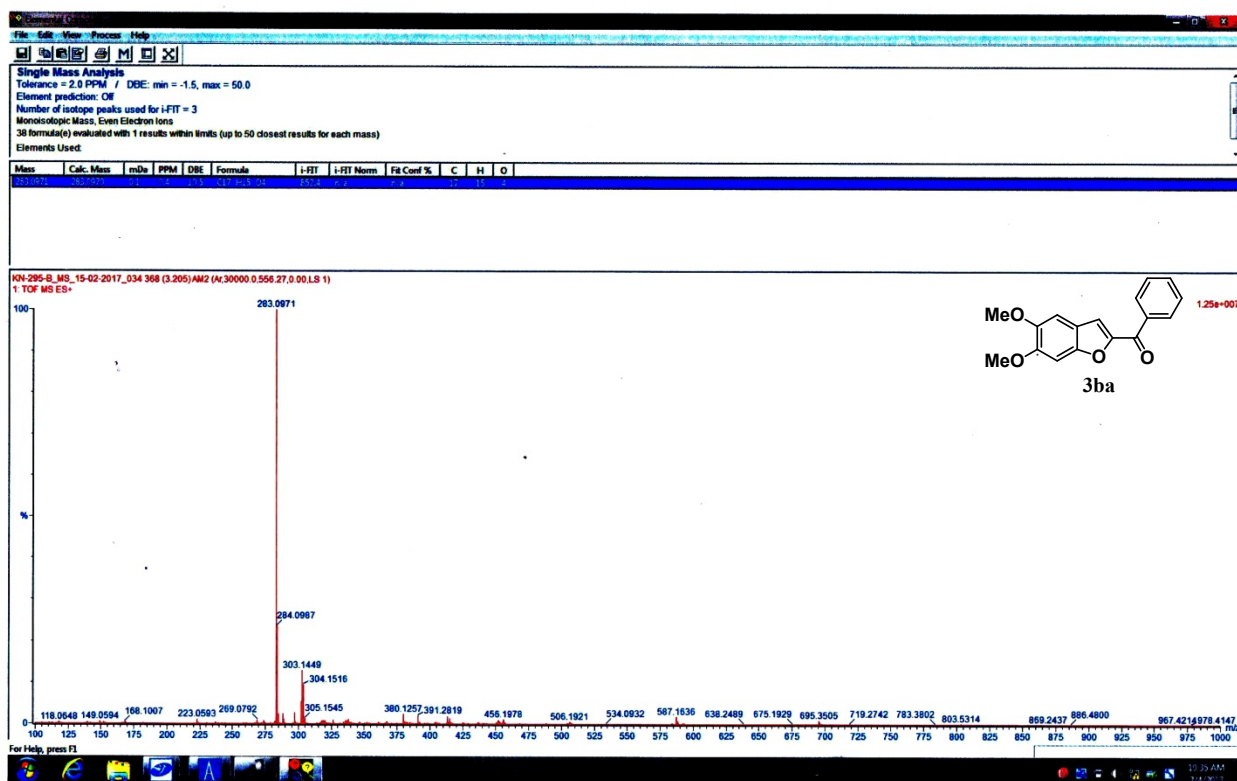


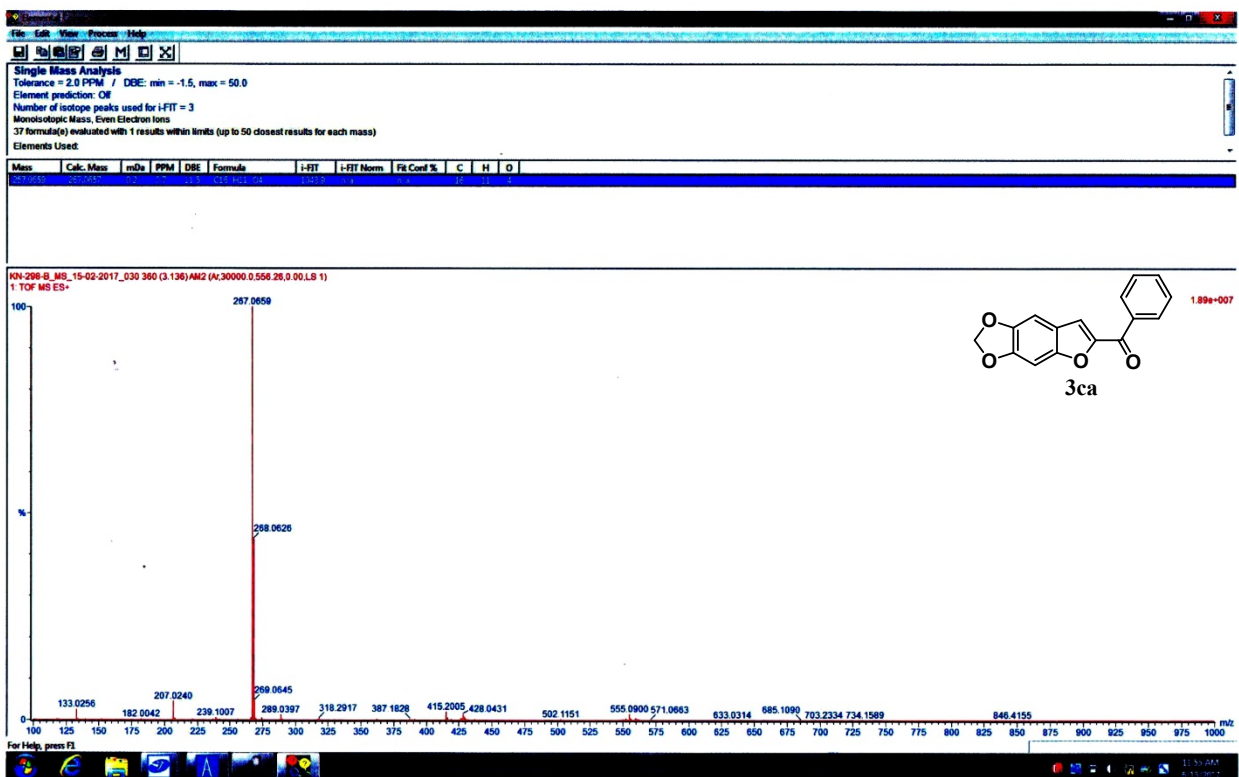
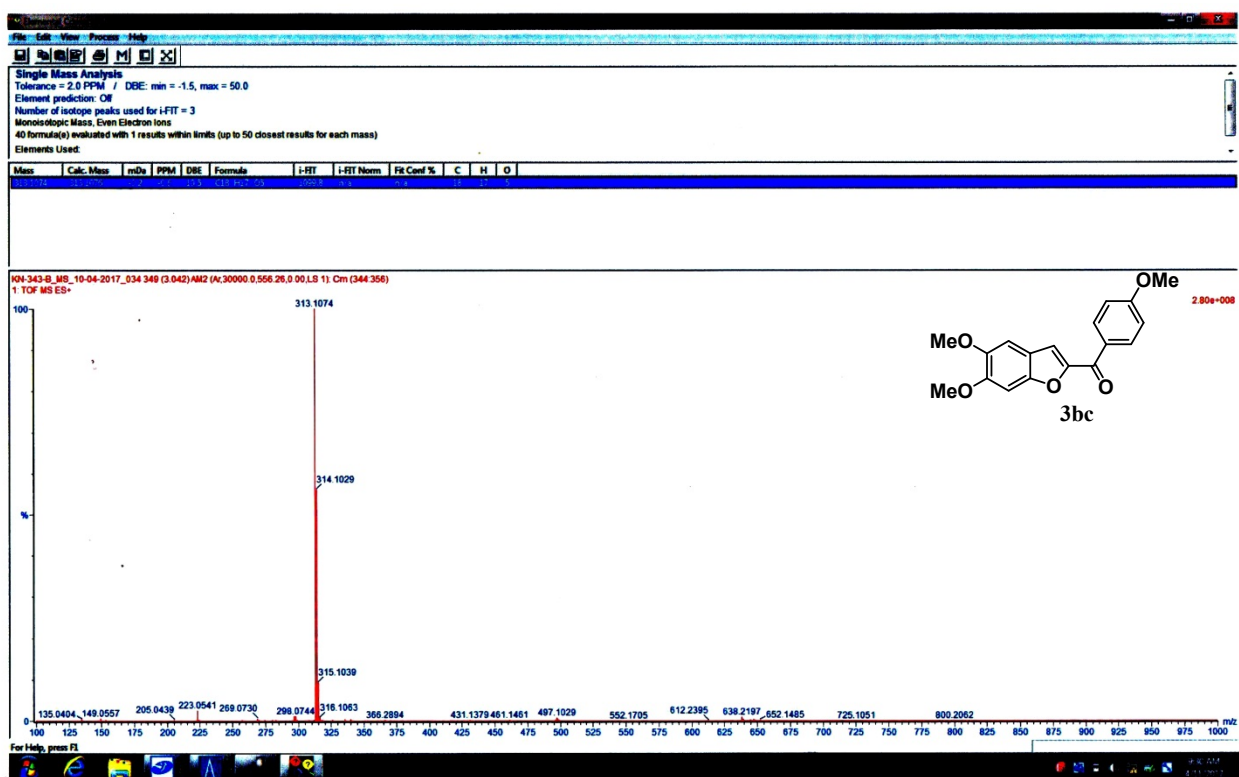


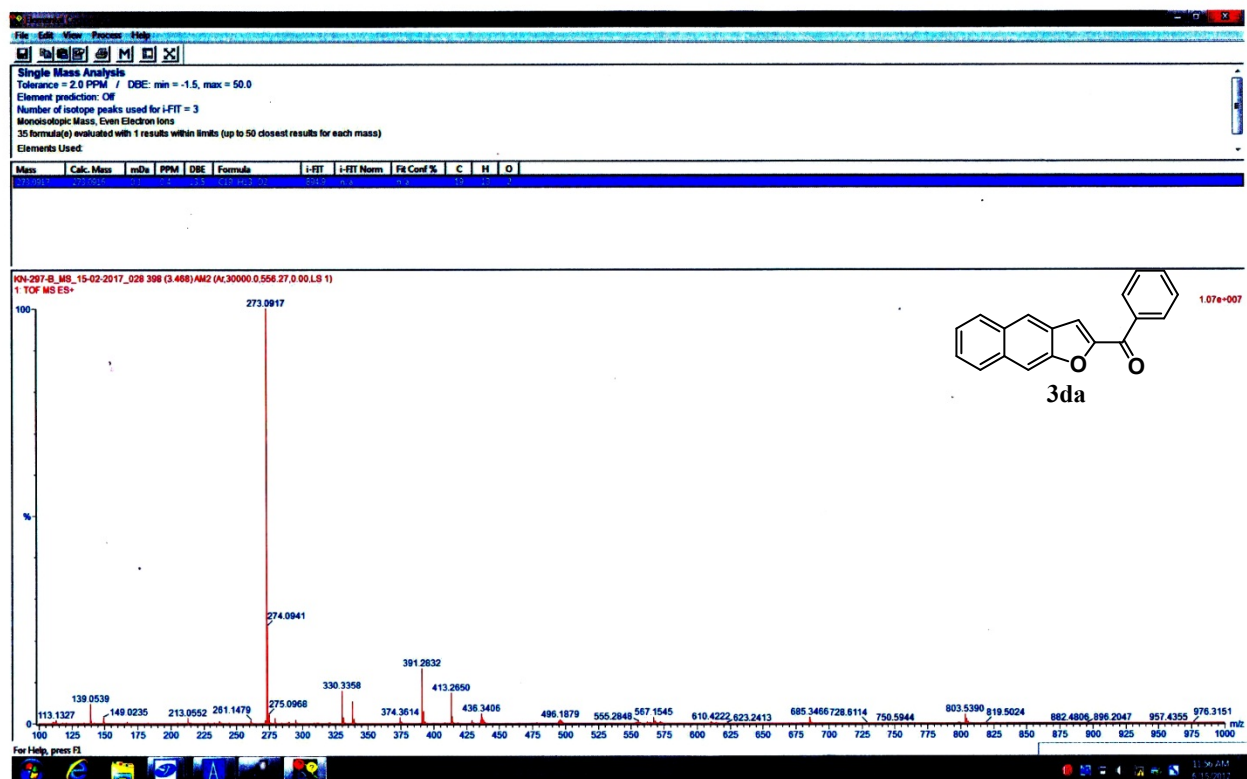
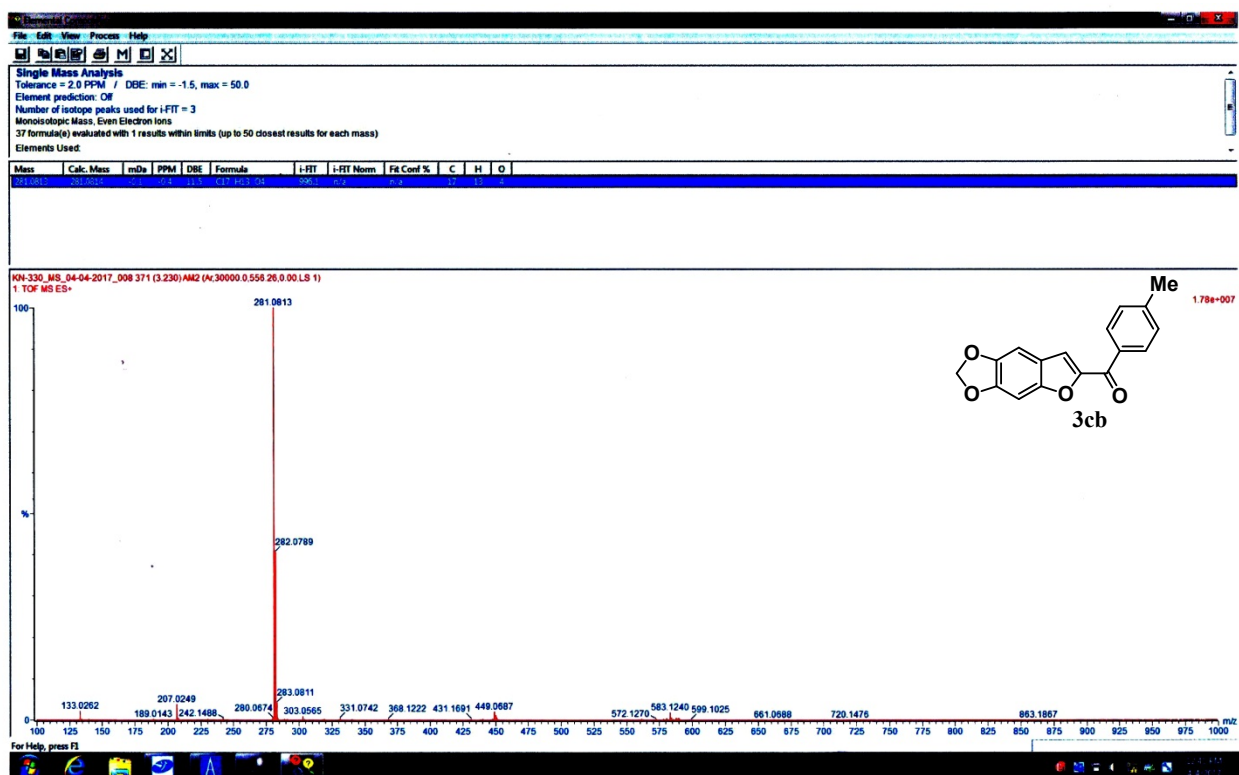
KN-320_MS_16-03-2017_026 395 (3.443) AM (Top,4,Ar,10000.0,0.00,0.00); Sm (Mn, 10x10.00)

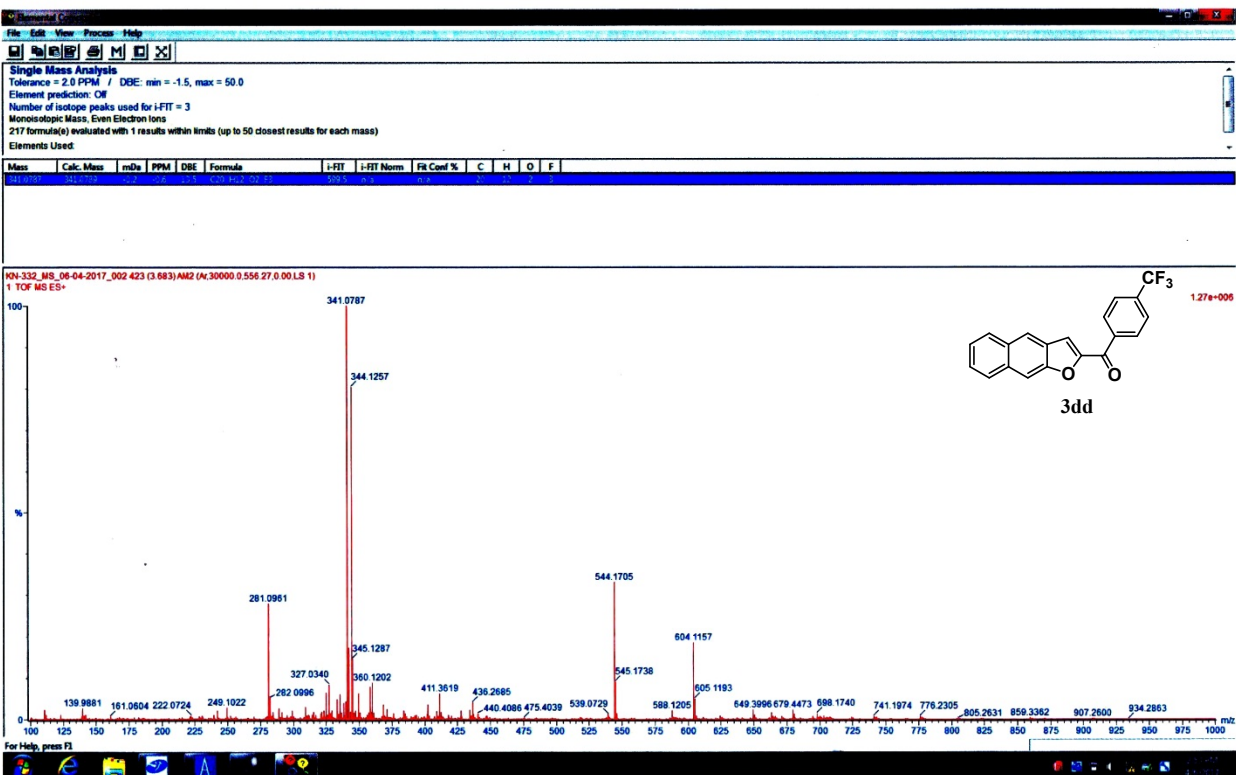


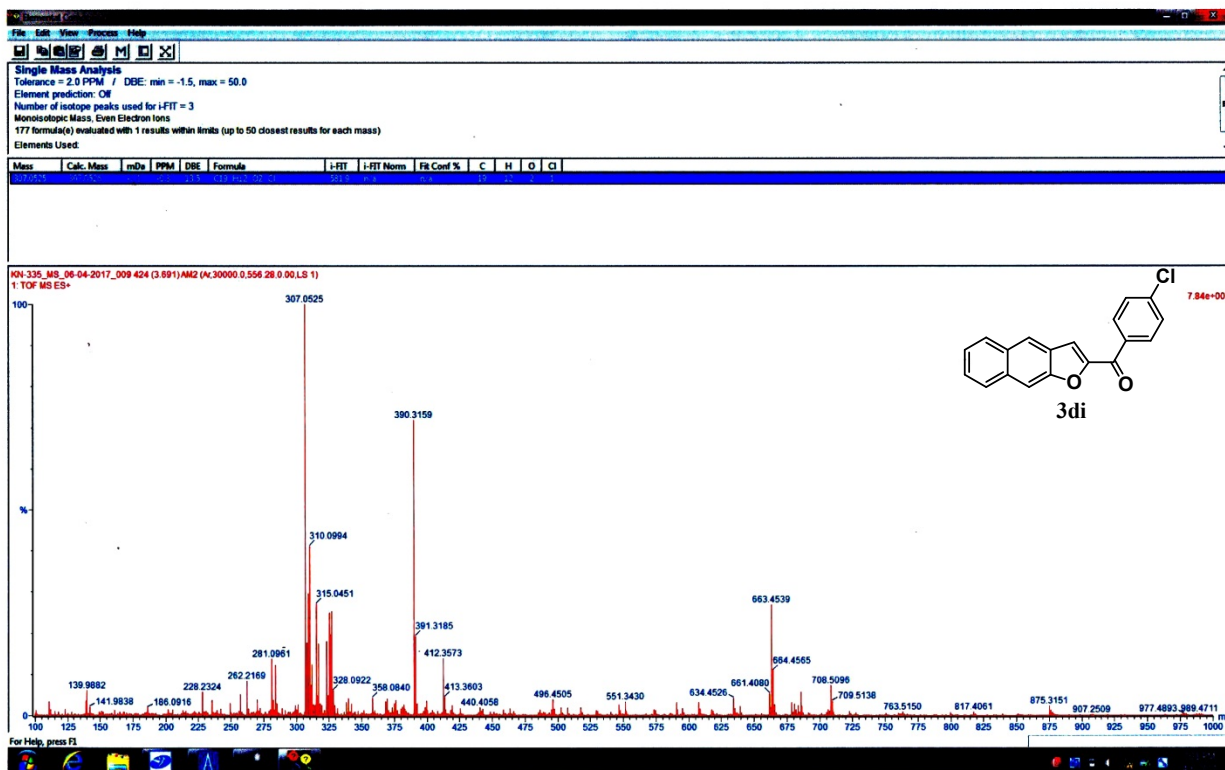
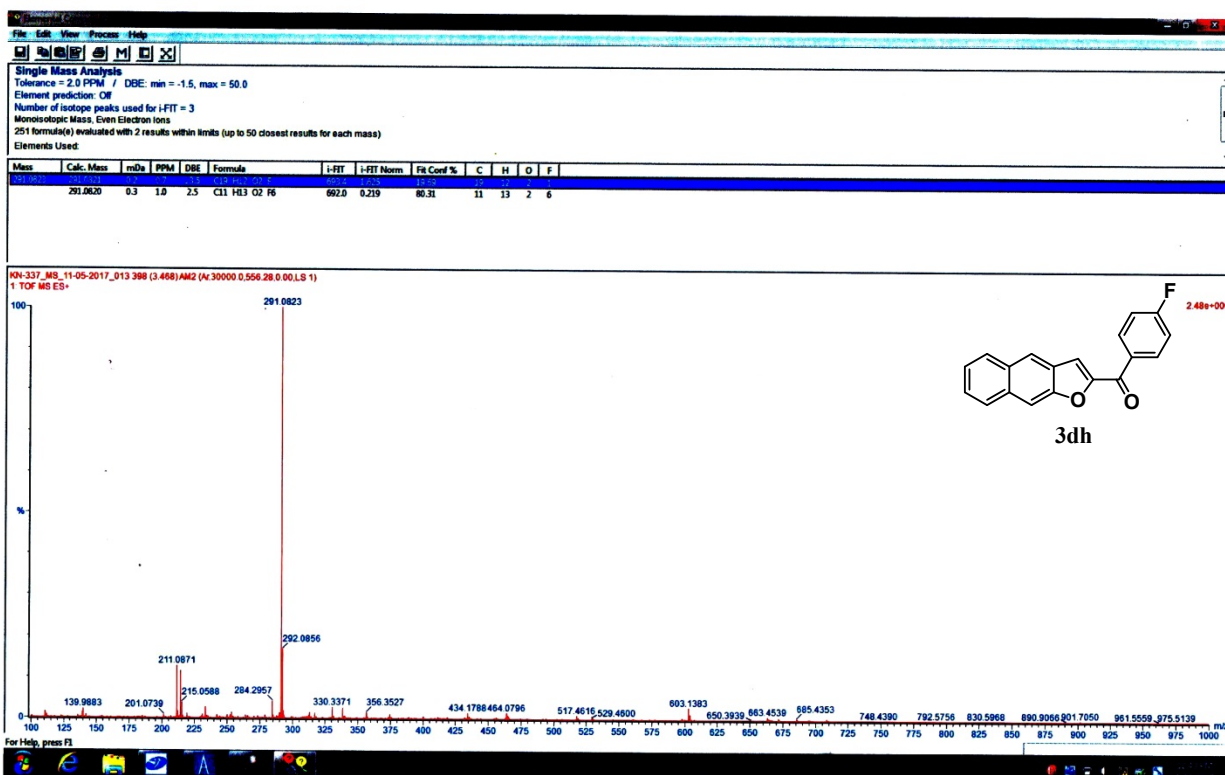






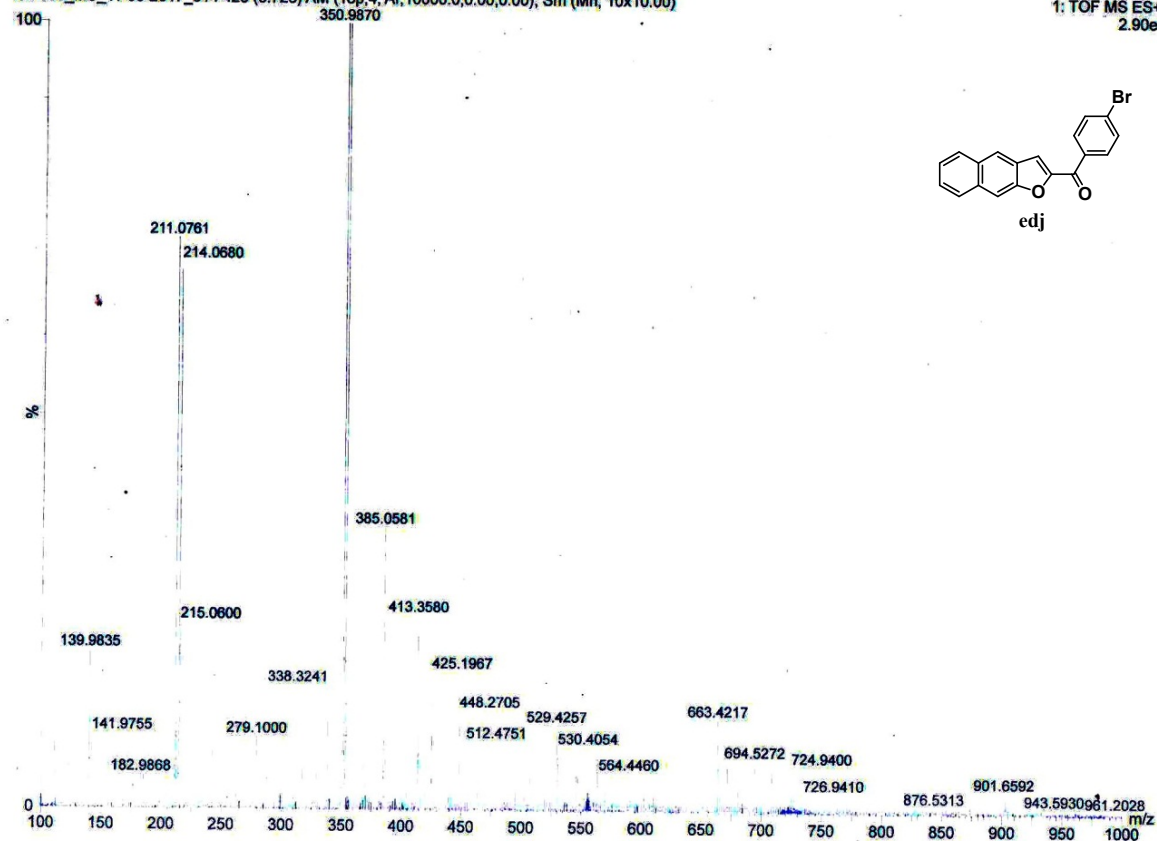






KN-338_MS_11-05-2017_014 426 (3.726) AM (Top, 4, Ar, 10000.0, 0.00, 0.00); Sm (Mn, 10x10.00)

1: TOF MS ES+
2.90e5

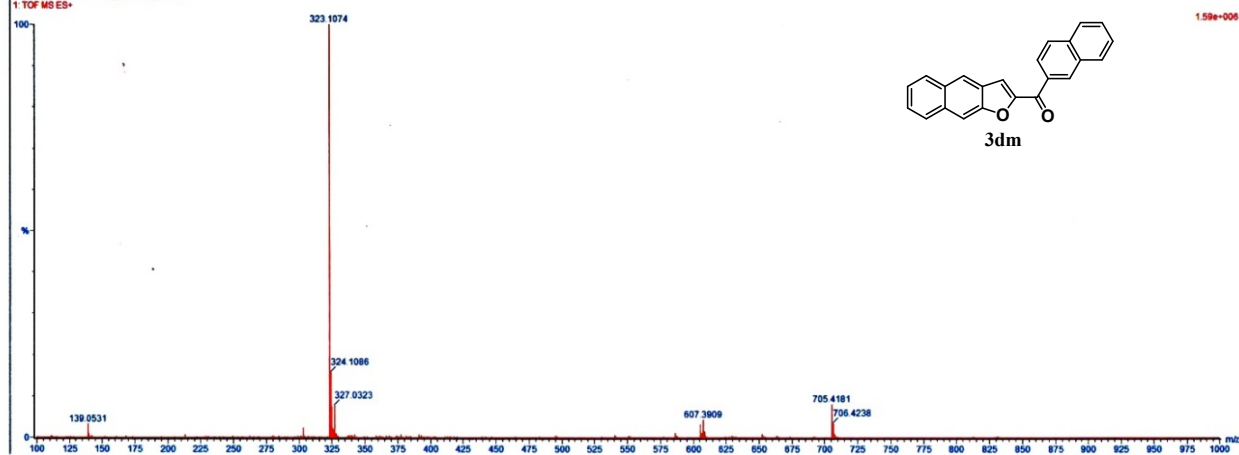


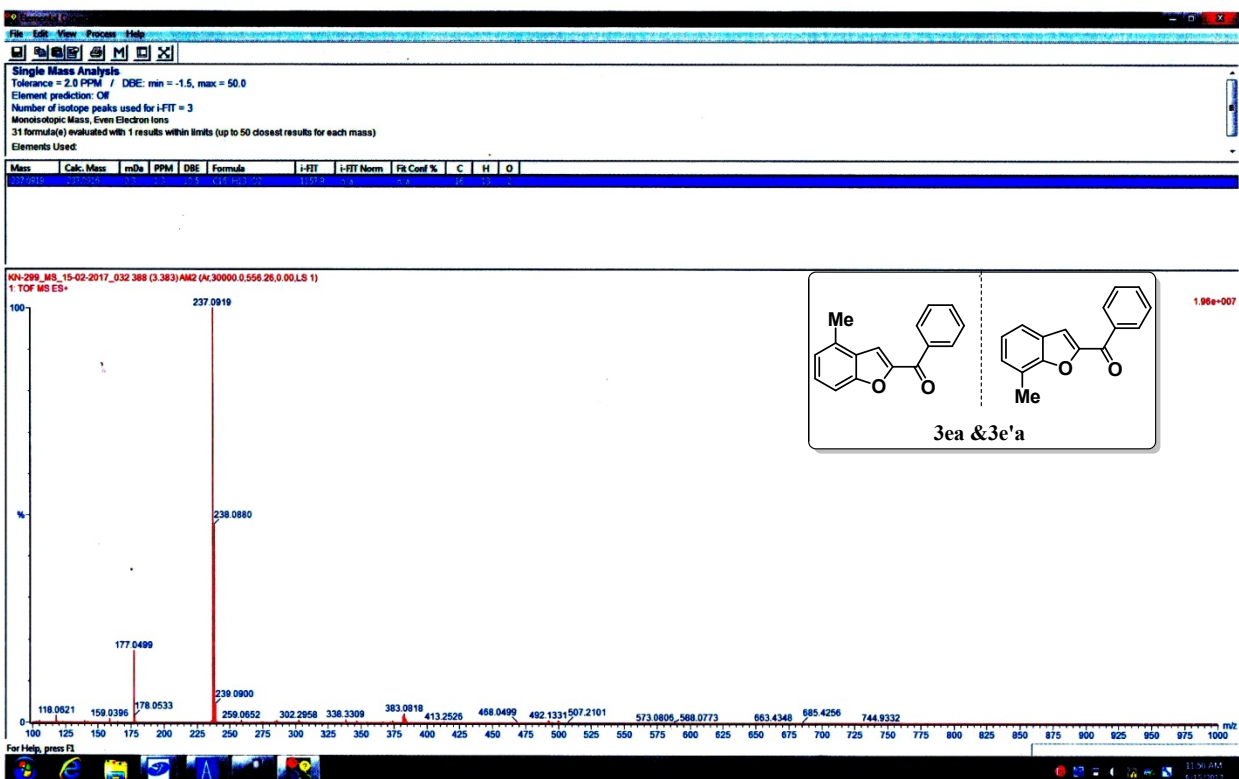
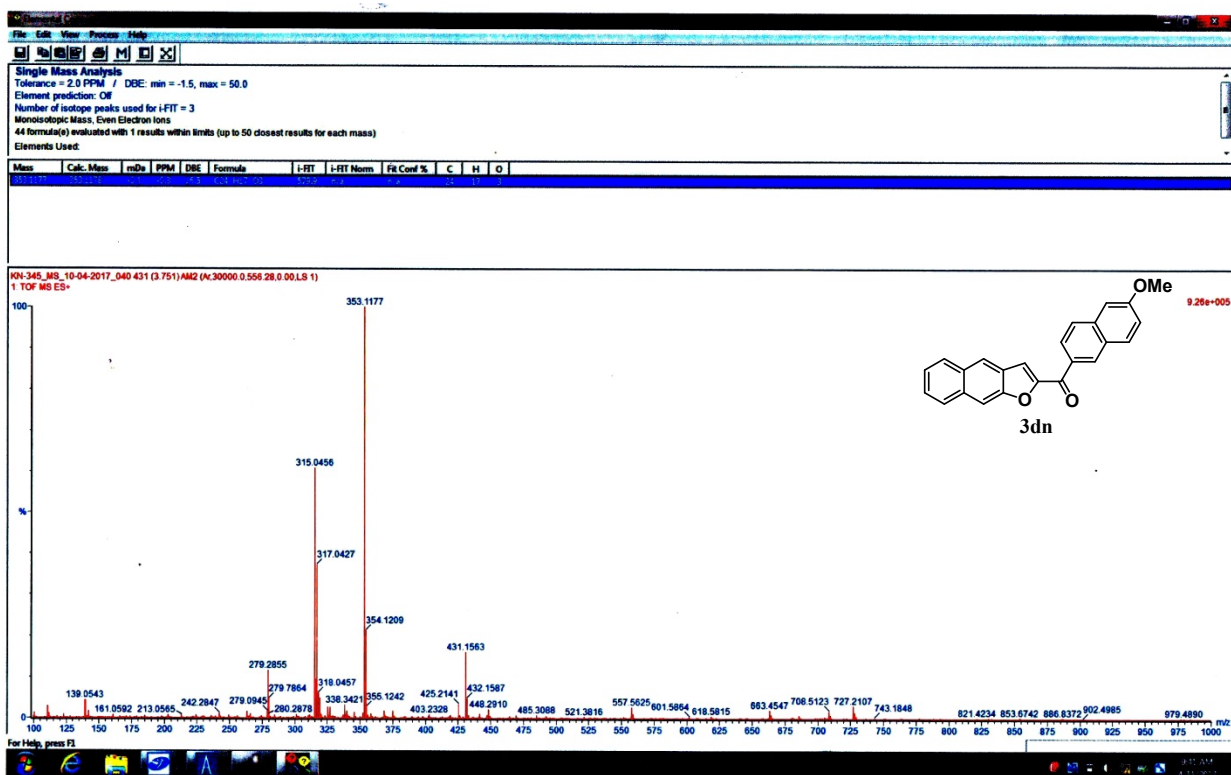
Single Mass Analysis
Tolerance = 2.0 PPM / DBE: min = -1.5, max = 50.0
Element prediction: OI
Monoisotopic Mass, Even Electron Ions
43 formula(s) evaluated with 1 results within limits (up to 50 closest results for each mass)
Elements Used:
C: 0-50 H: 0-50 O: 0-10

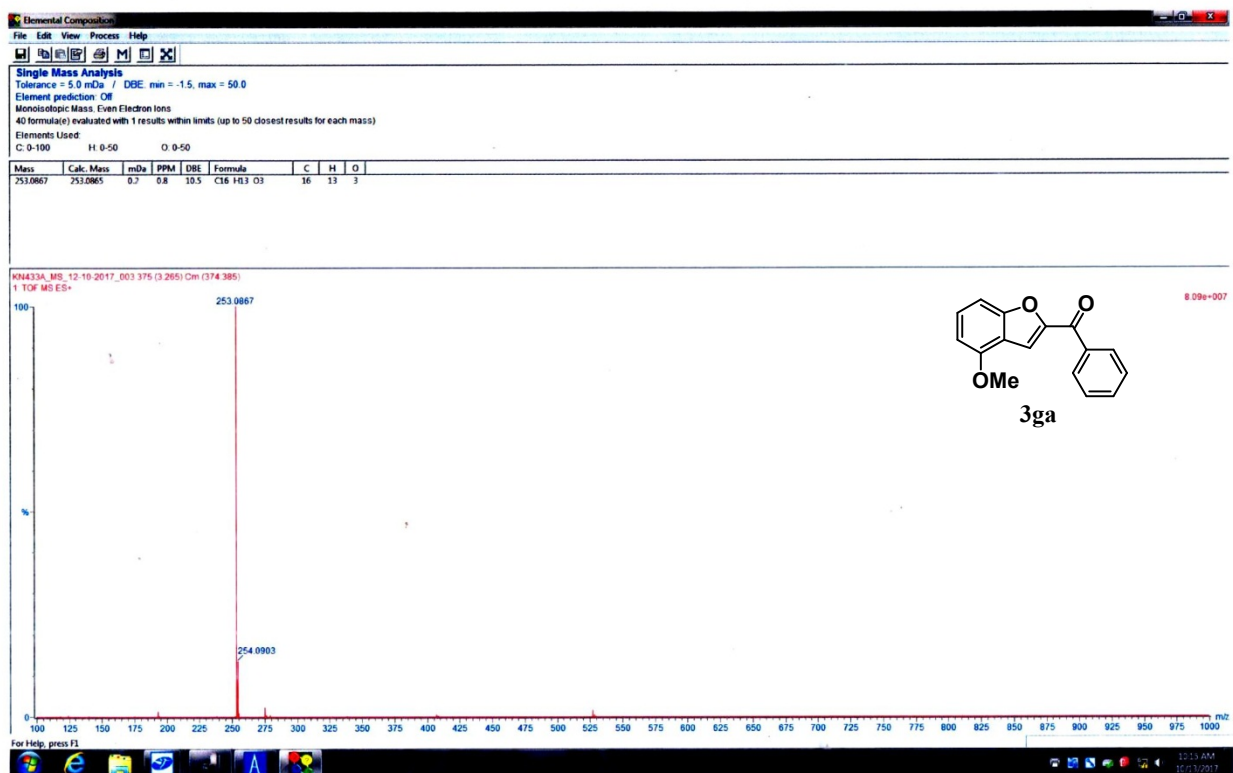
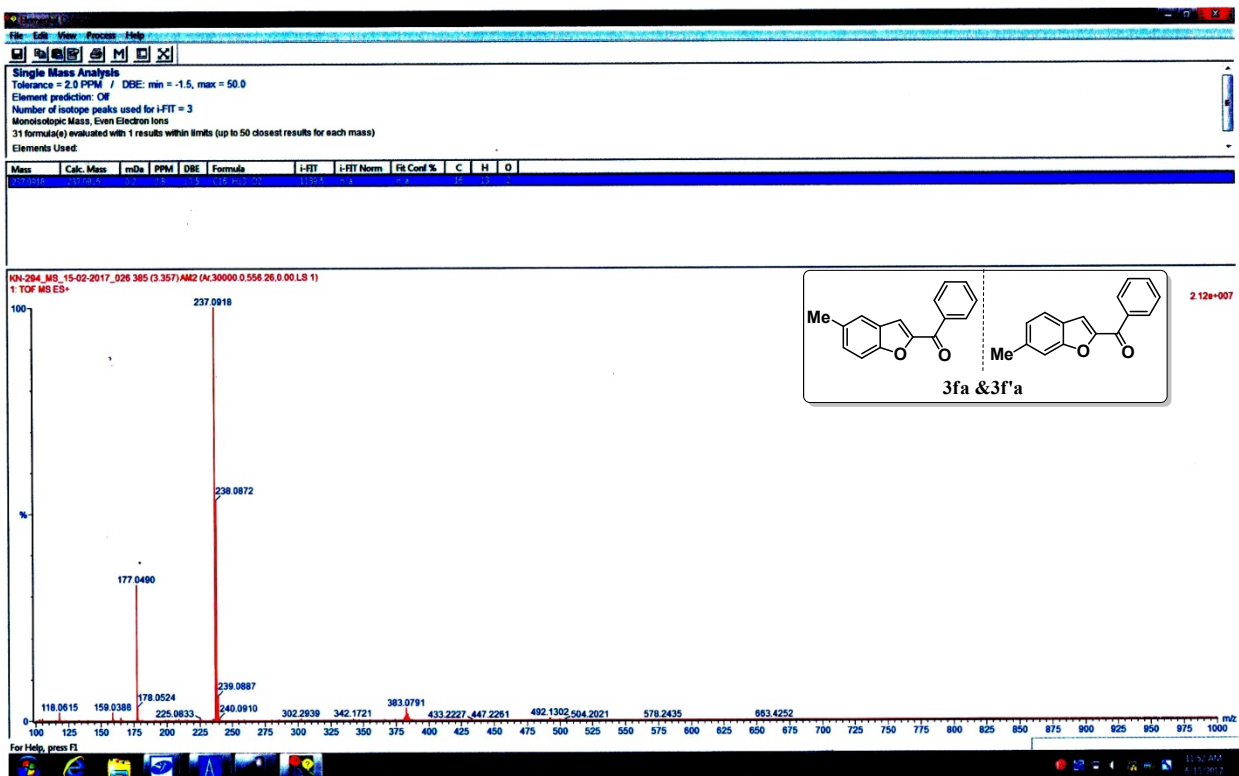
Mass	Calc. Mass	mDa	PPM	DBE	Formula	C	H	O
350.9870	350.9870	0.0000	0.0	10	C ₂₂ H ₁₂ BrO	22	12	1

KN-338_MS_06-04-2017_006 420 (3.657)

1: TOF MS ES+







KN434_MS_12-10-2017_005A 368 (3.205) Cm (365:373)

1: TOF MS ES+
3.69e6

