

Supplementary Information

Synthesis, characterization and catalytic optimization of Schiff bases containing 8-methyl-quinazolinones as potent anti-inflammatory and antimicrobial scaffolds

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1. Characterization Spectra.

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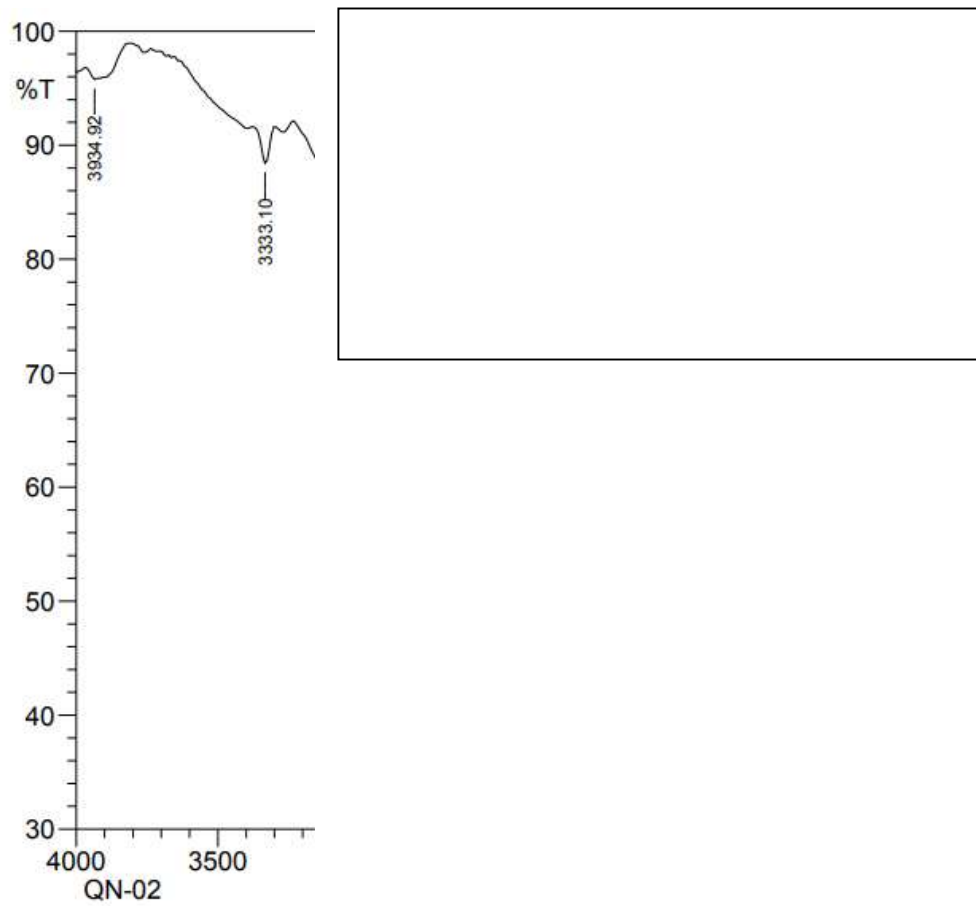


Fig. 1 – FTIR spectra of compound **6b**

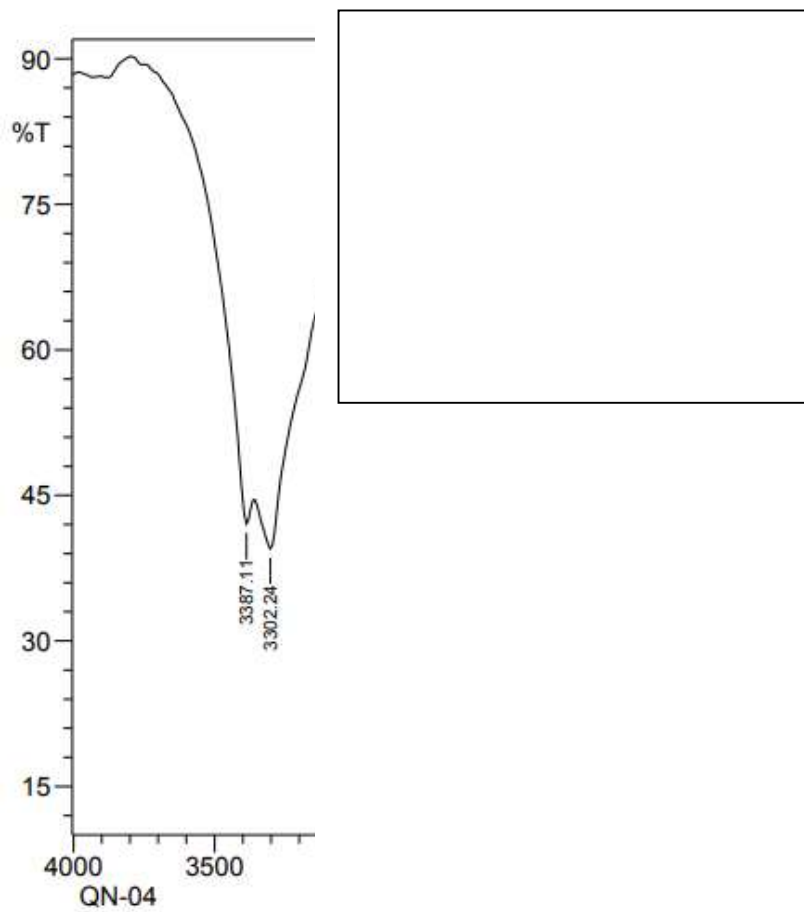


Fig. 2 – FTIR spectra of compound **6d**

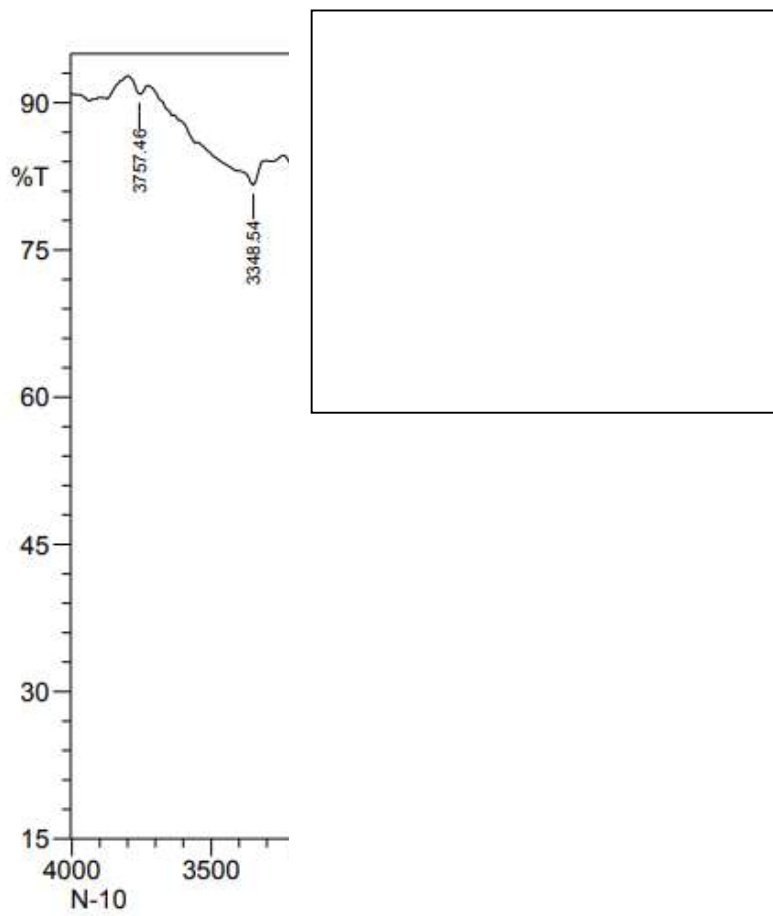


Fig. 3 – FTIR spectra of compound 6j

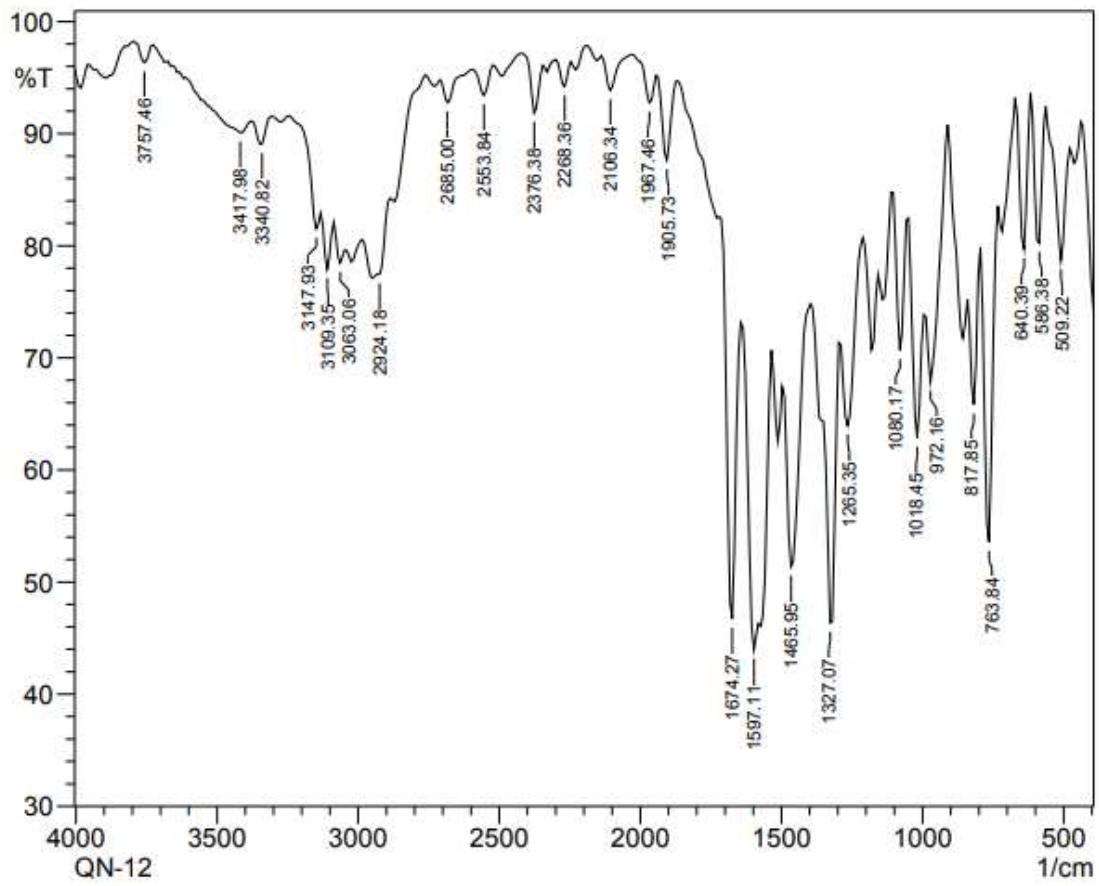
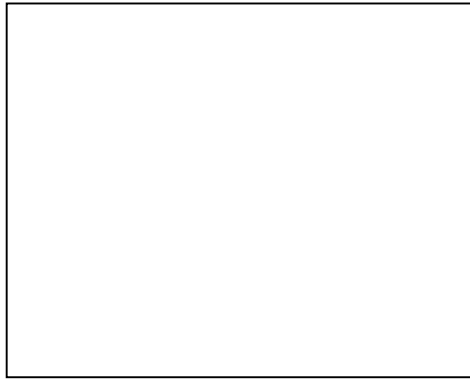


Fig. 4 – FTIR spectra of compound **61**

QN-0B_Proton-1-2.jdf
025187

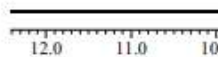


Fig. 5 - ^1H NMR spectra of compound 4

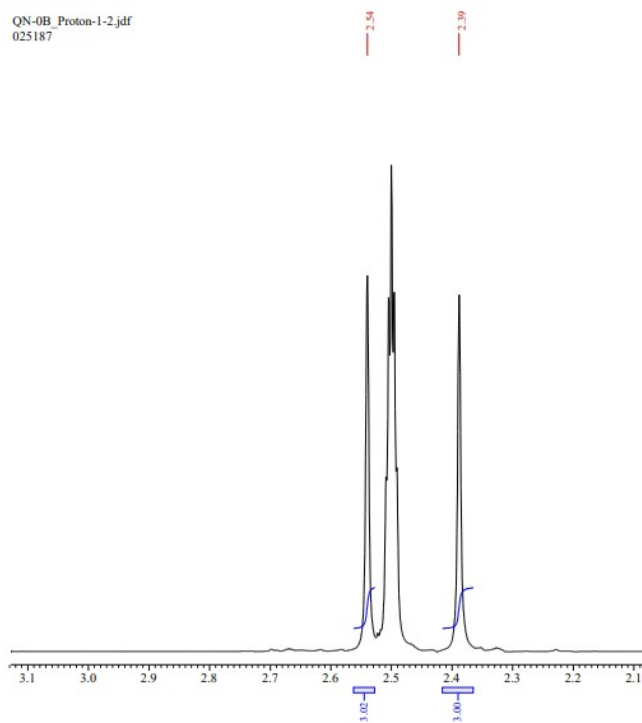
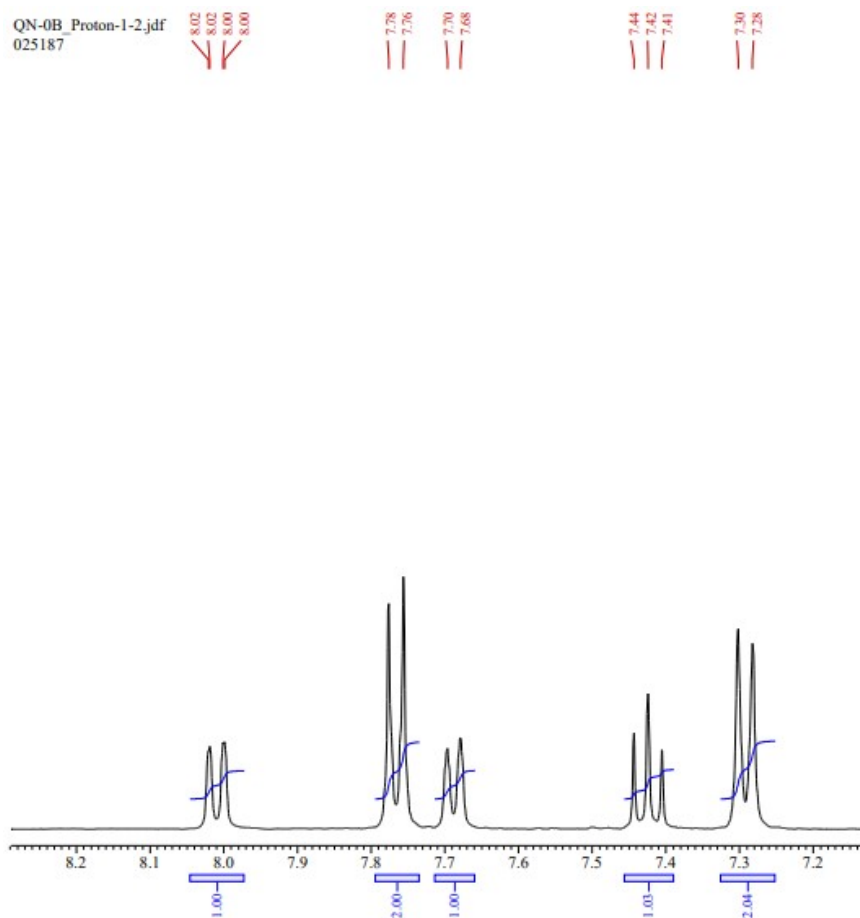
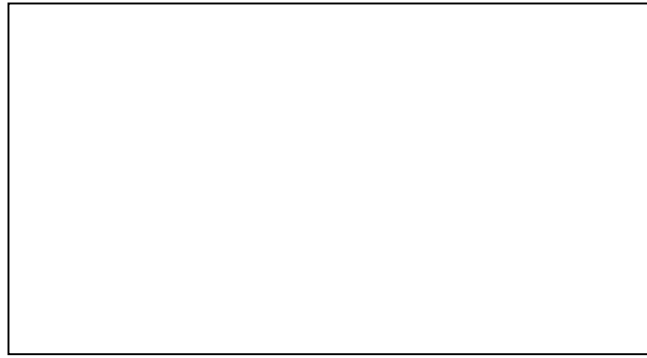


Fig. 6 - Expanded ^1H NMR spectra of compound 4



QN-002_Proton-1-2.jdf
025188

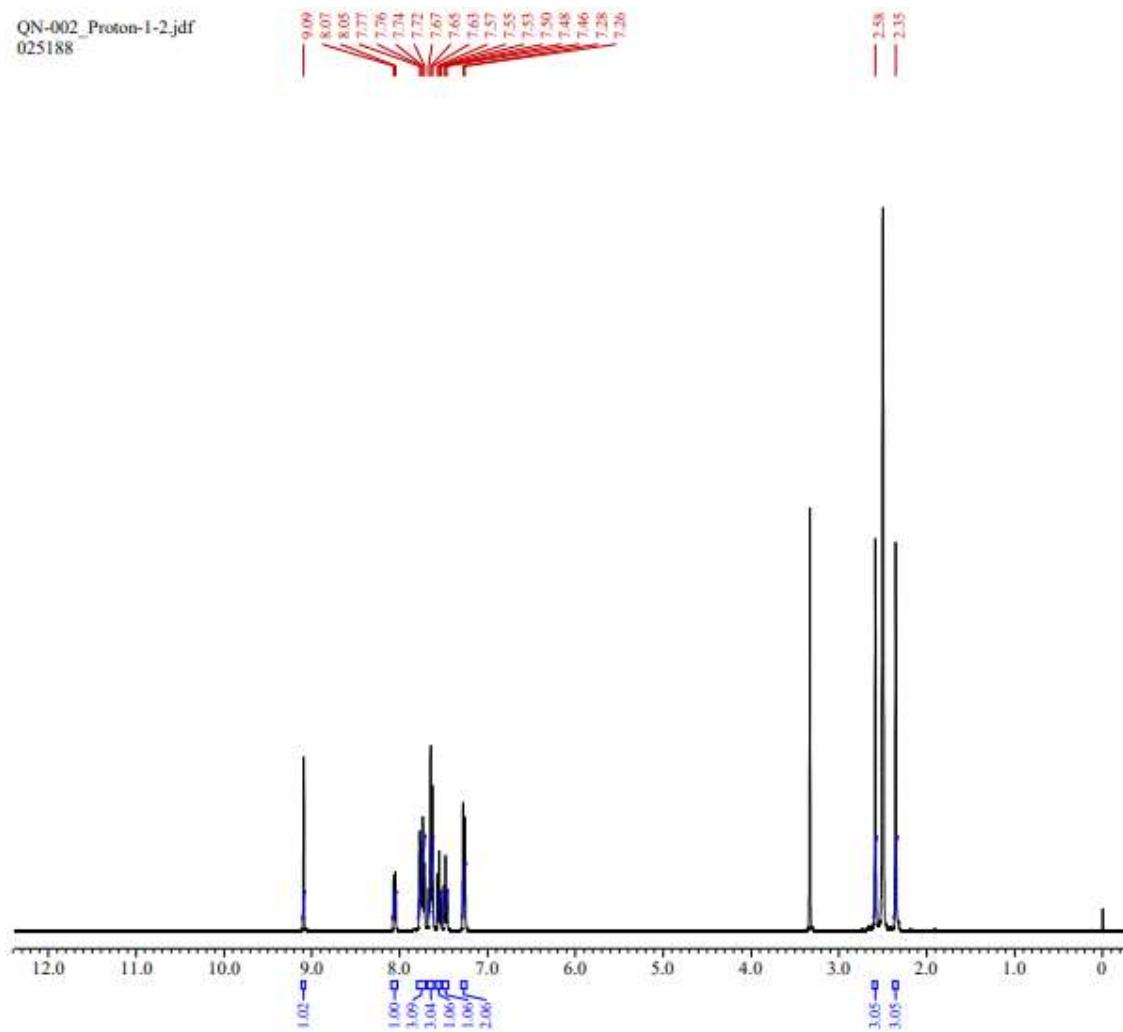


Fig. 7 - ^1H NMR spectra of compound **6b**

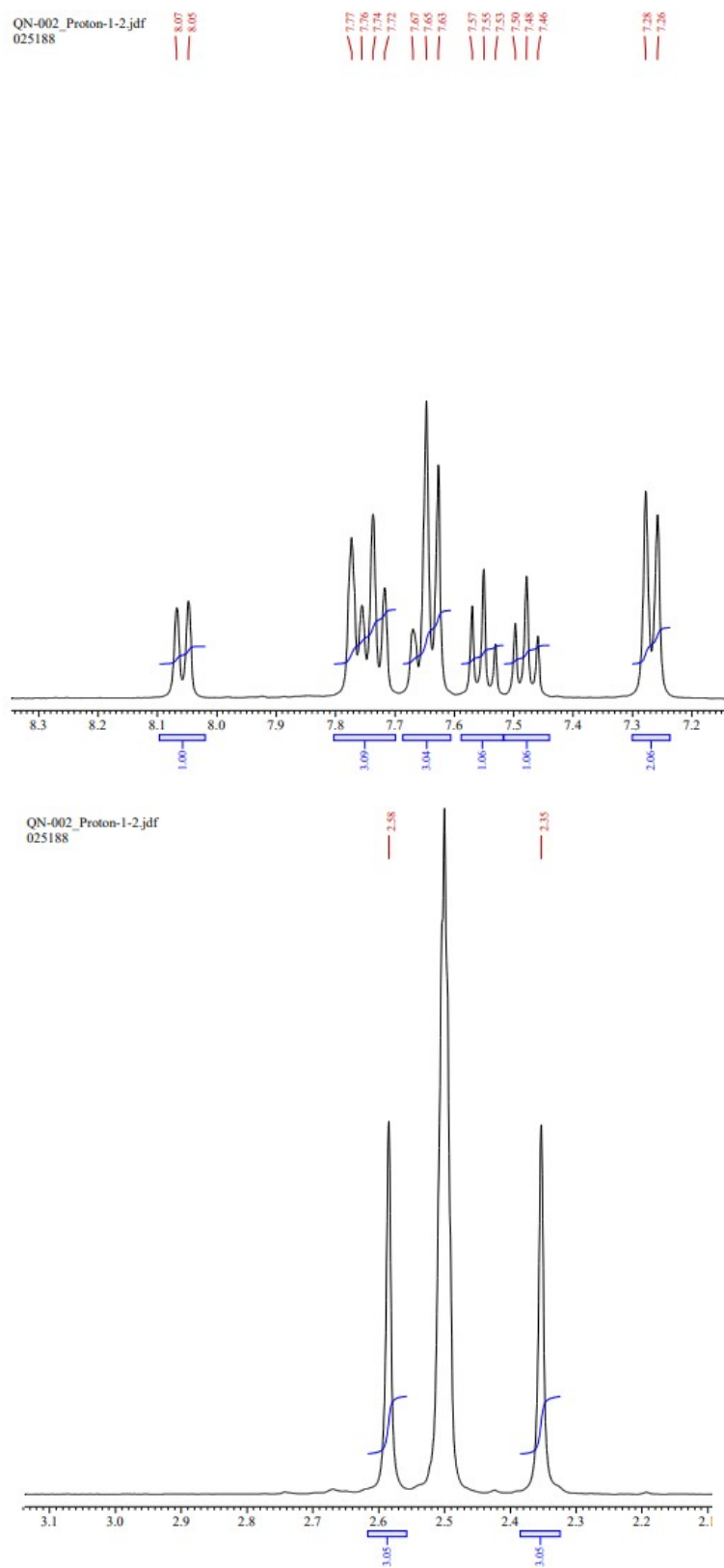


Fig. 8 - Expanded ^1H NMR spectra of compound **6b**

QN-004_Proton-1-2.jdf
025189

10.33

8.77

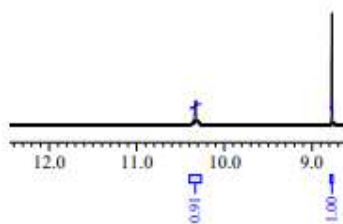


Fig. 9 - ^1H NMR spectra of compound **6d**

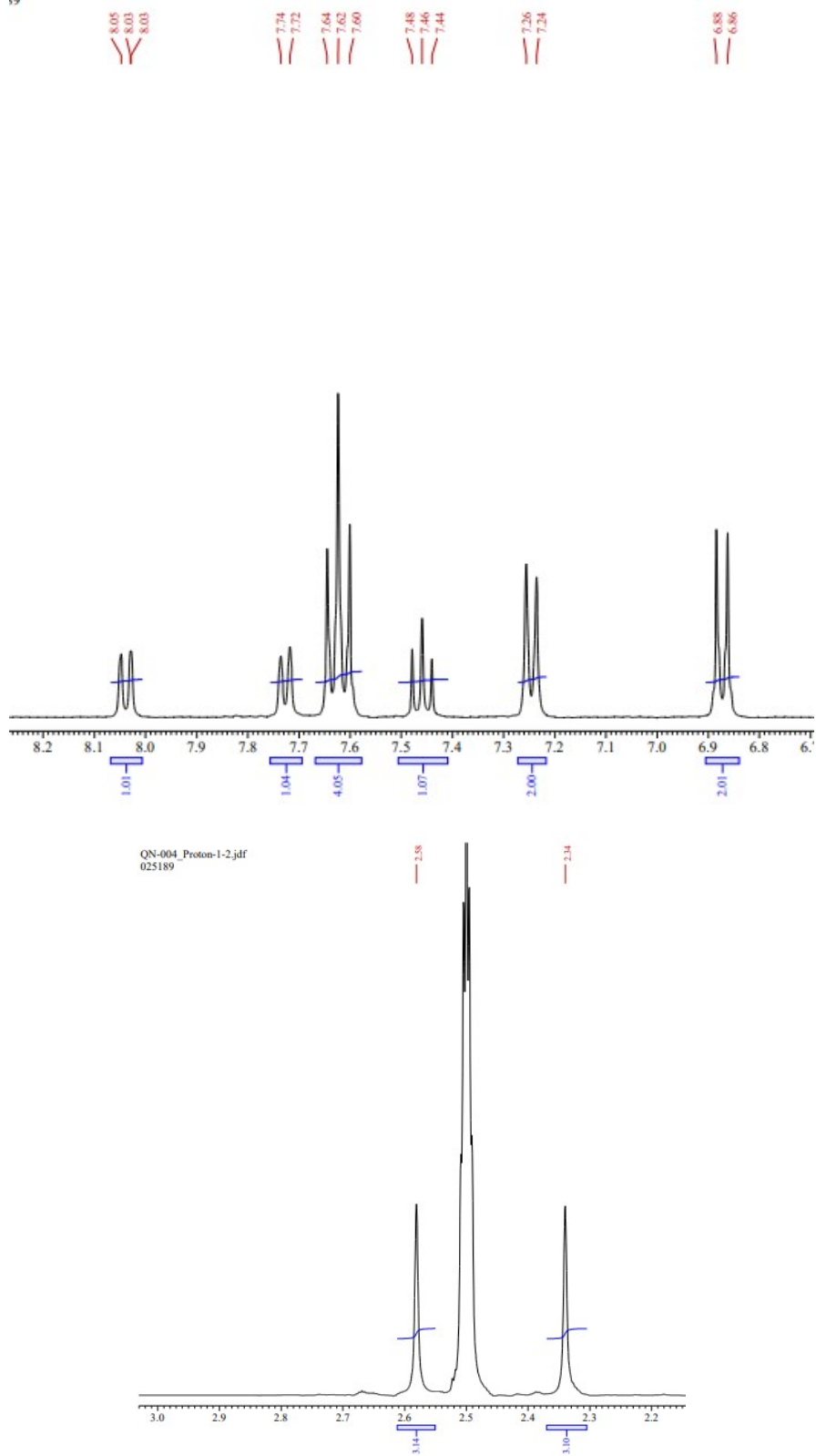


Fig. 10 - Expanded ^1H NMR spectra of compound **6d**

QN-010_Proton-1-2.jdf
025190

— 0.45
/ 8.20

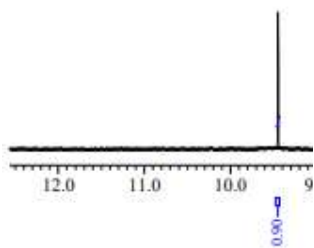
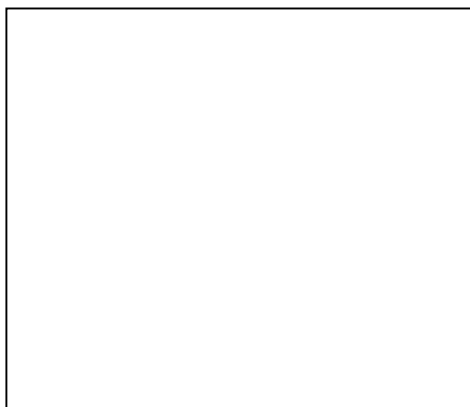


Fig. 11 - ^1H NMR spectra of compound **6j**

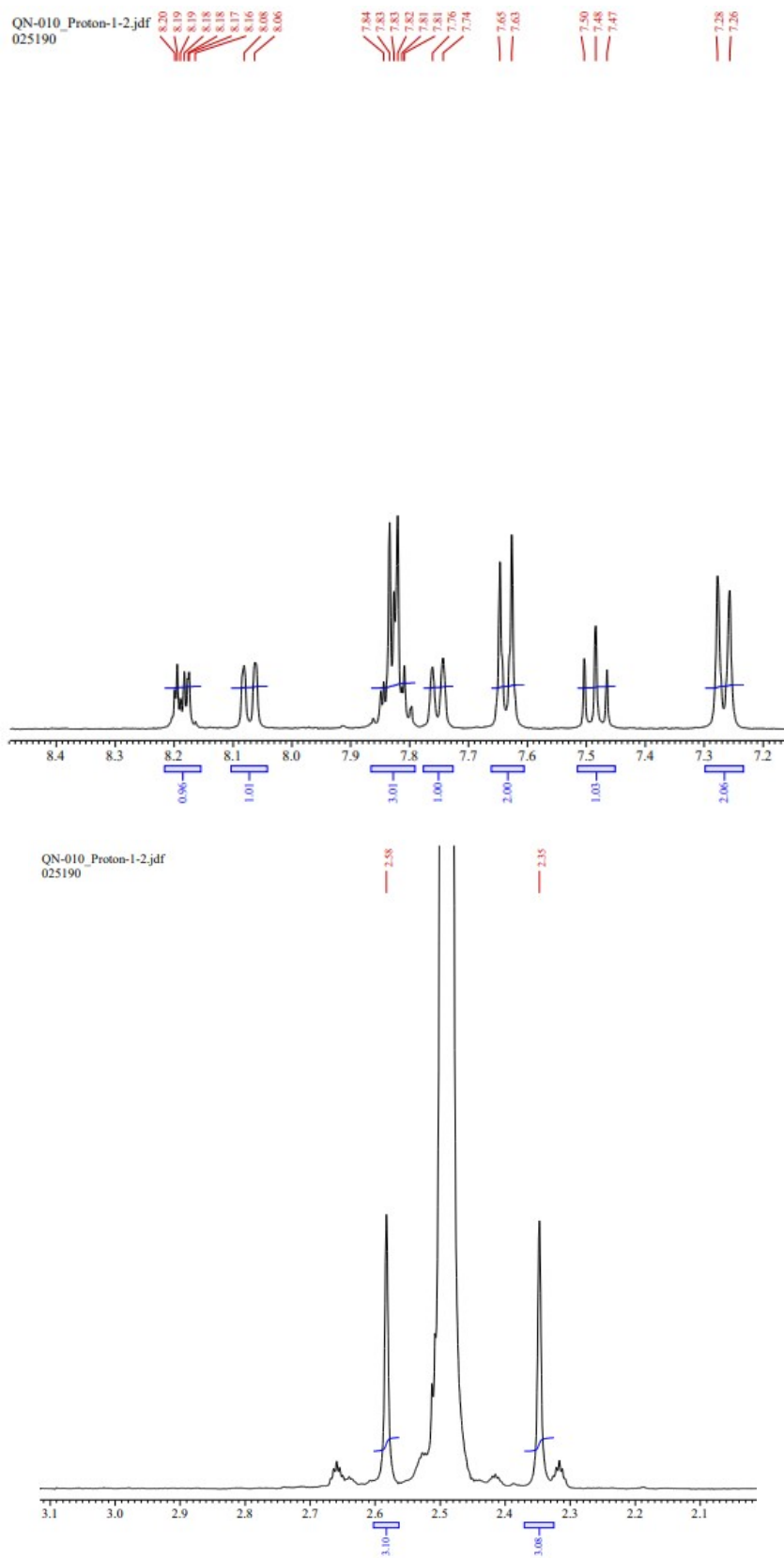


Fig. 12 - Expanded ^1H NMR spectra of compound **6j**

QN-012_Proton-1-2.jdf
025191

8.85
/ 8.05

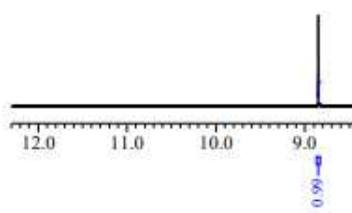


Fig. 13 - ^1H NMR spectra of compound **6I**

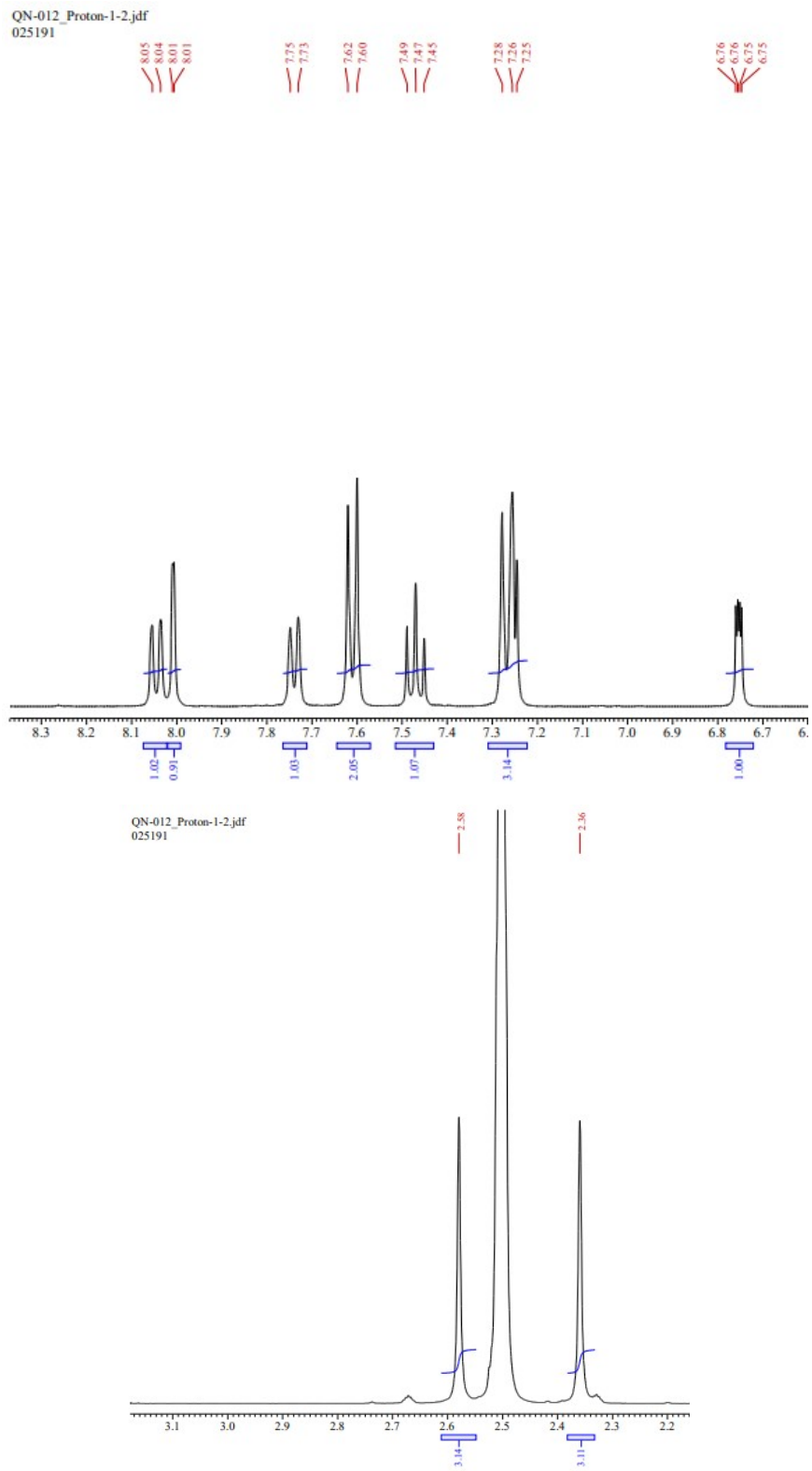


Fig. 14 - Expanded ^1H NMR spectra of compound **61**

QN-0B_carbon-1-2.jdf
025192

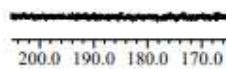


Fig. 15 - ^{13}C NMR spectra of compound 4

QN-002_carbon-1-2.jdf
025193

167.58

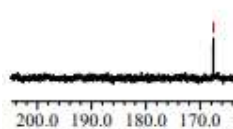


Fig. 16 - ^{13}C NMR spectra of compound **6b**

QN-004_carbon-1-2.jdf
025194

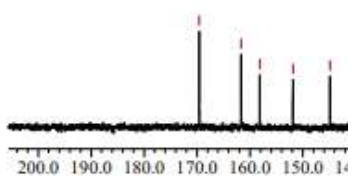


Fig. 17 - ^{13}C NMR spectra of compound **6d**

QN-010_carbon-1-2.jdf
025195

165.56
157.03
151.89
144.64
139.81
135.79

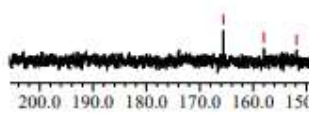
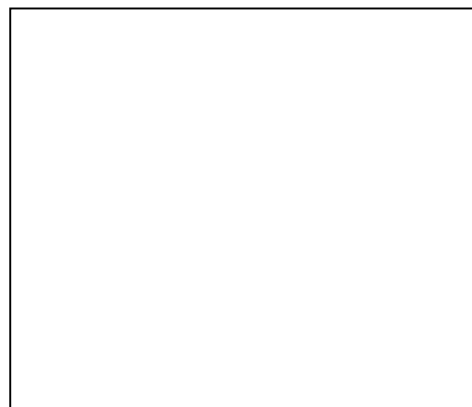


Fig. 18 - ^{13}C NMR spectra of compound **6j**

QN-012_carbon-1-2.jdf
025196

158.04
157.03
151.85
147.93
147.44

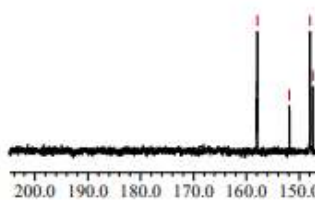


Fig. 19 - ^{13}C NMR spectra of compound **6I**

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MassPeaks: 356
RawMode: Averaged 1.276-4.499(233-819) Basel
BG Mode: None Group 1 - Event 1

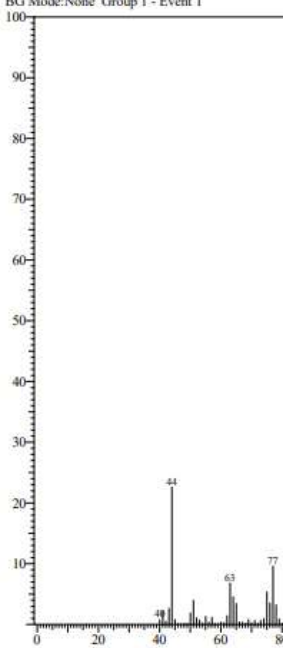


Fig. 20 - LCMS of compound **6b**

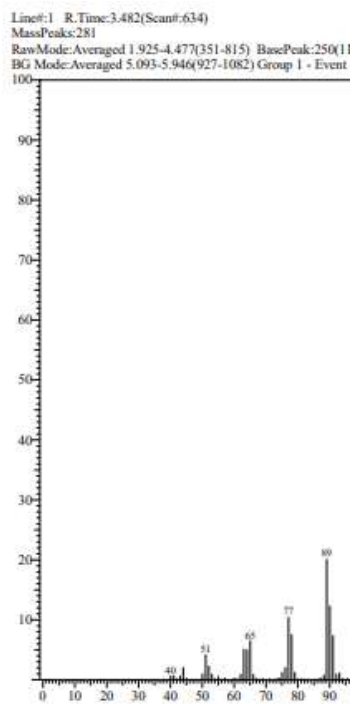


Fig. 21 - LCMS of compound **6d**

Line#: 1 R.Time: 3.058(Scan#: 557)
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BG Mode: Averaged 4.450-5.043(810-918) Group 1 - Event 1

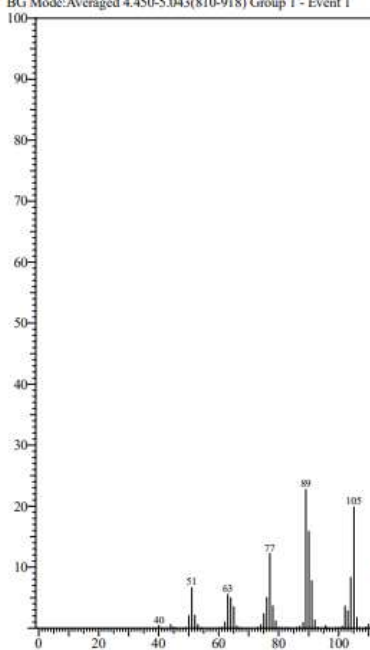


Fig. 22 - LCMS of compound **6j**

Line#: 1 R.Time: 3.025(Scan#: 551)
MassPeaks: 265
RawMode: Averaged 1.540-3.509(281-639) BasePeak: 250(4)
BG Mode: Averaged 4.664-5.610(849-1021) Group 1 - Event

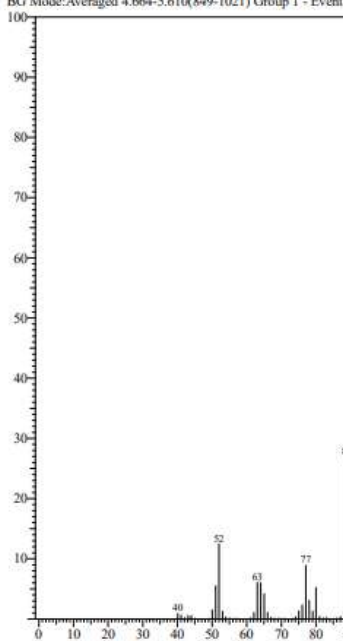


Fig. 23 - LCMS of compound **6l**