

Supporting information

**Visible-Light-Induced Photocatalytic Aerobic Oxidation / Povarov
Cyclization Reaction: Synthesis of Substituted Quinoline-Fused
Lactones**

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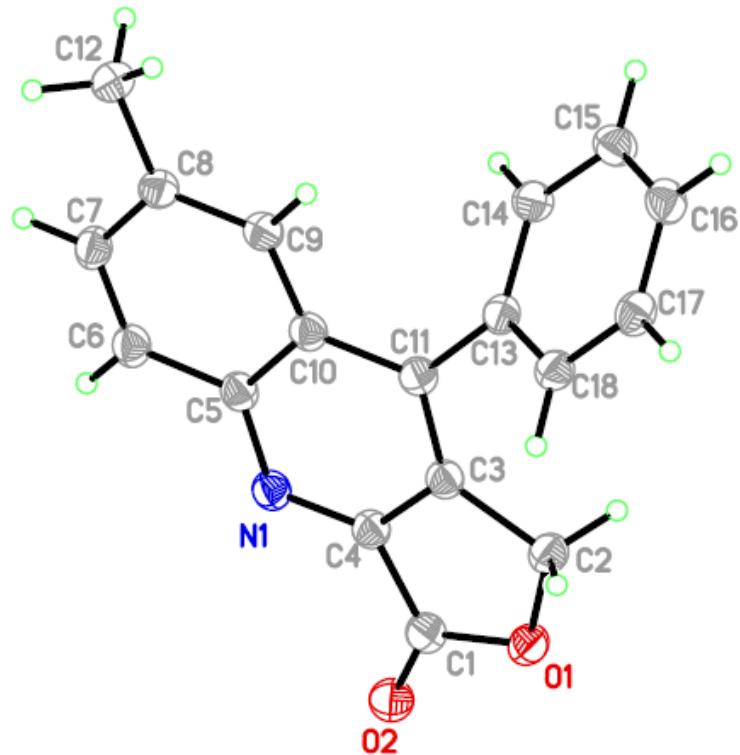
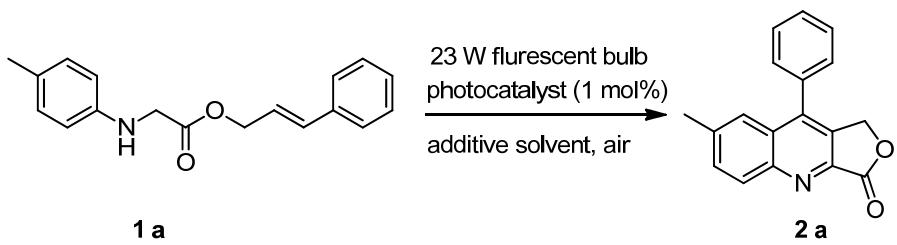
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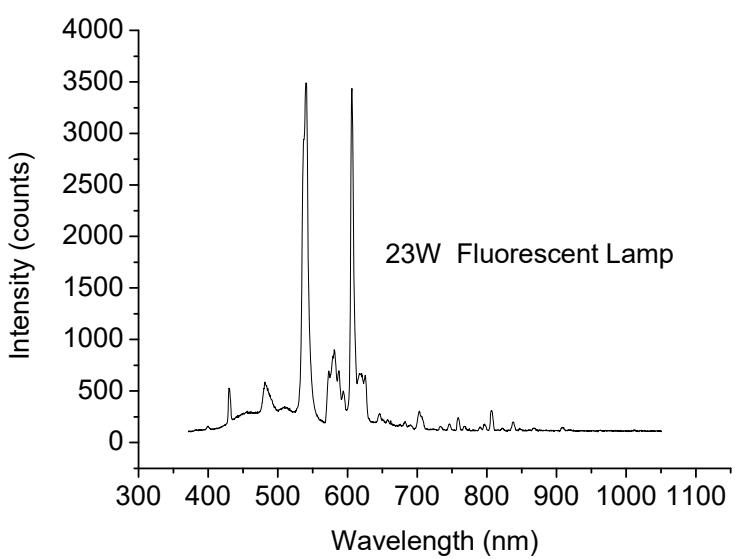
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1. X-ray crystal structure of 2 a

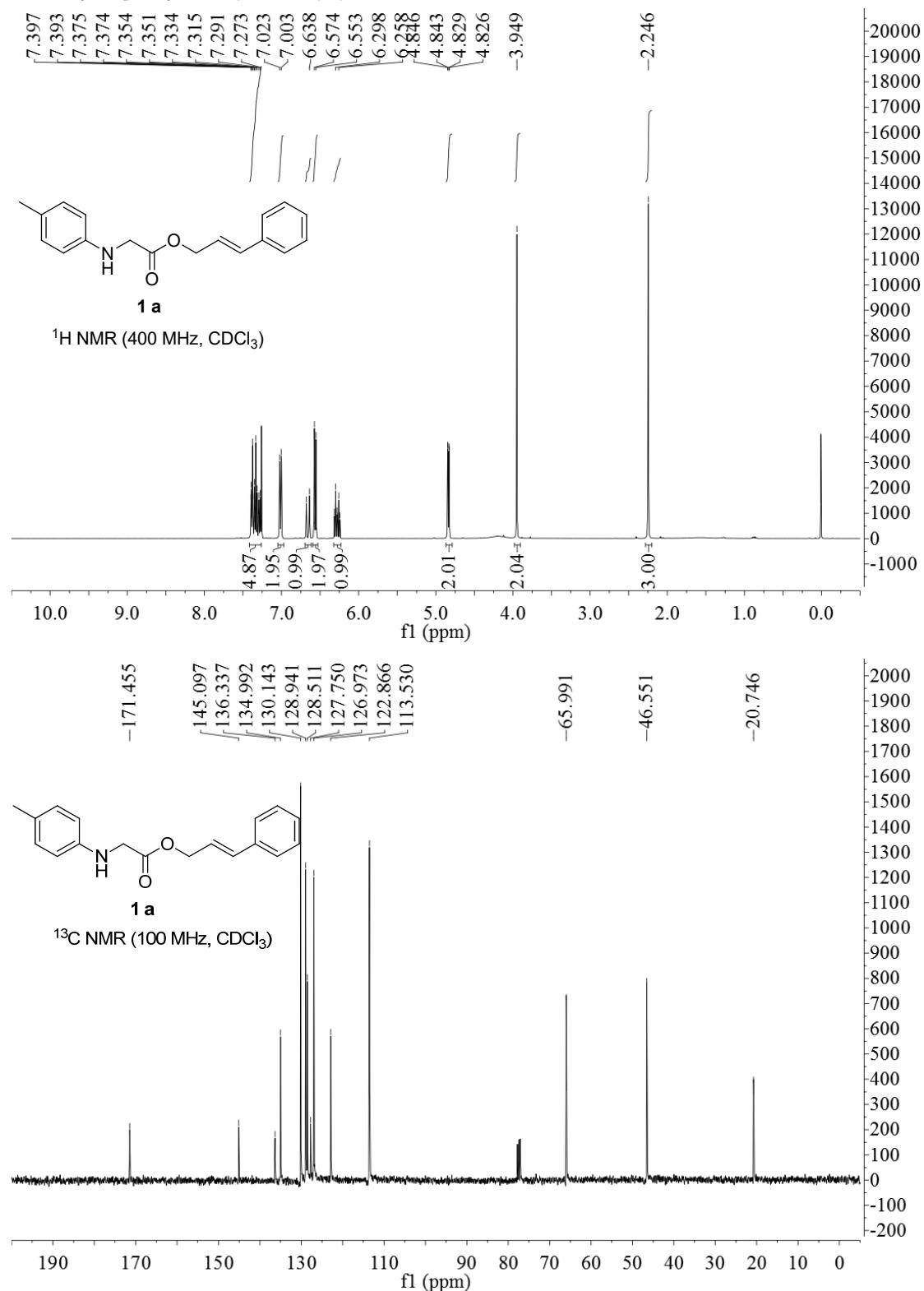


The spectrum of 23W household compact fluorescent lamp

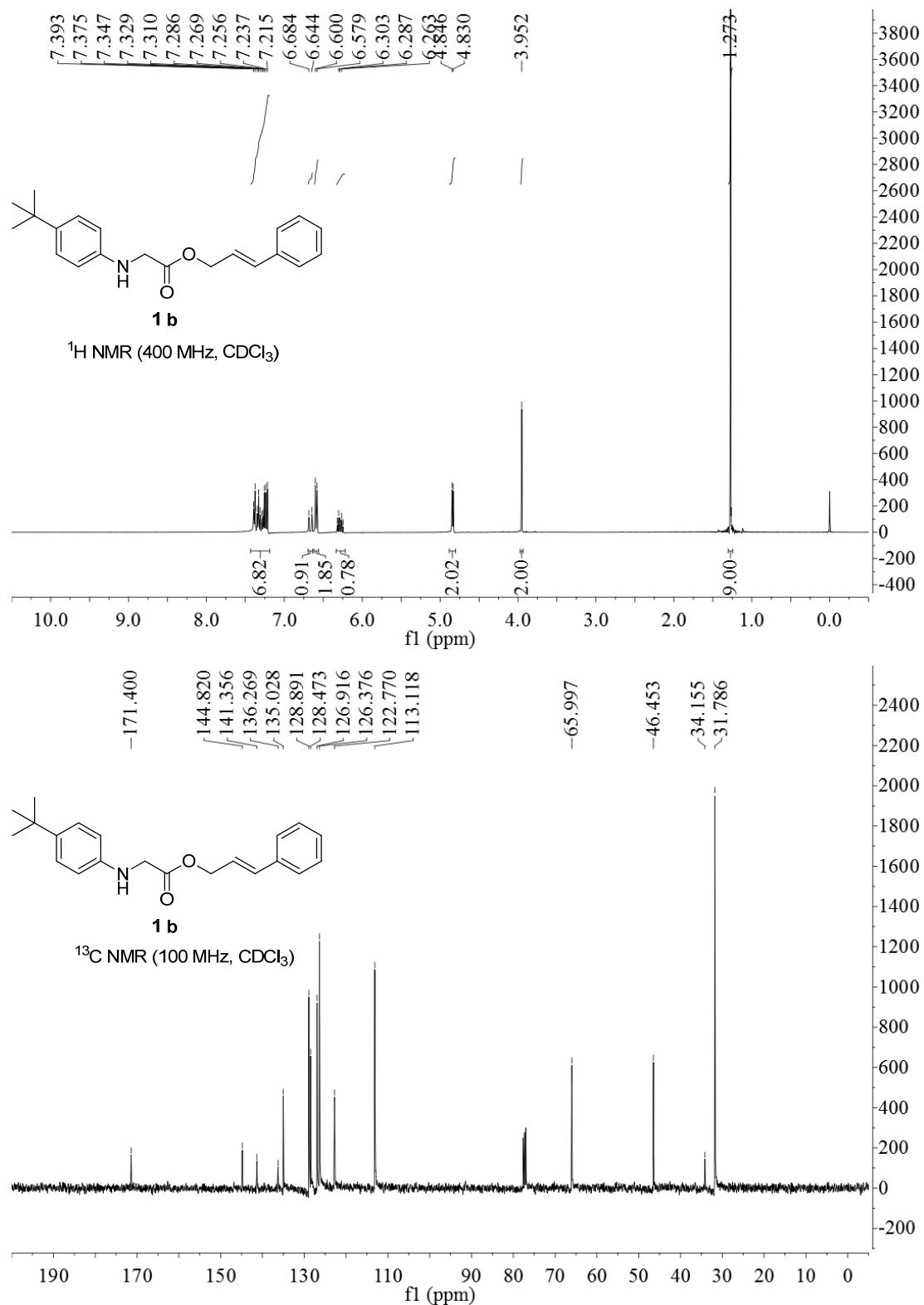


2. NMR spectra of the products

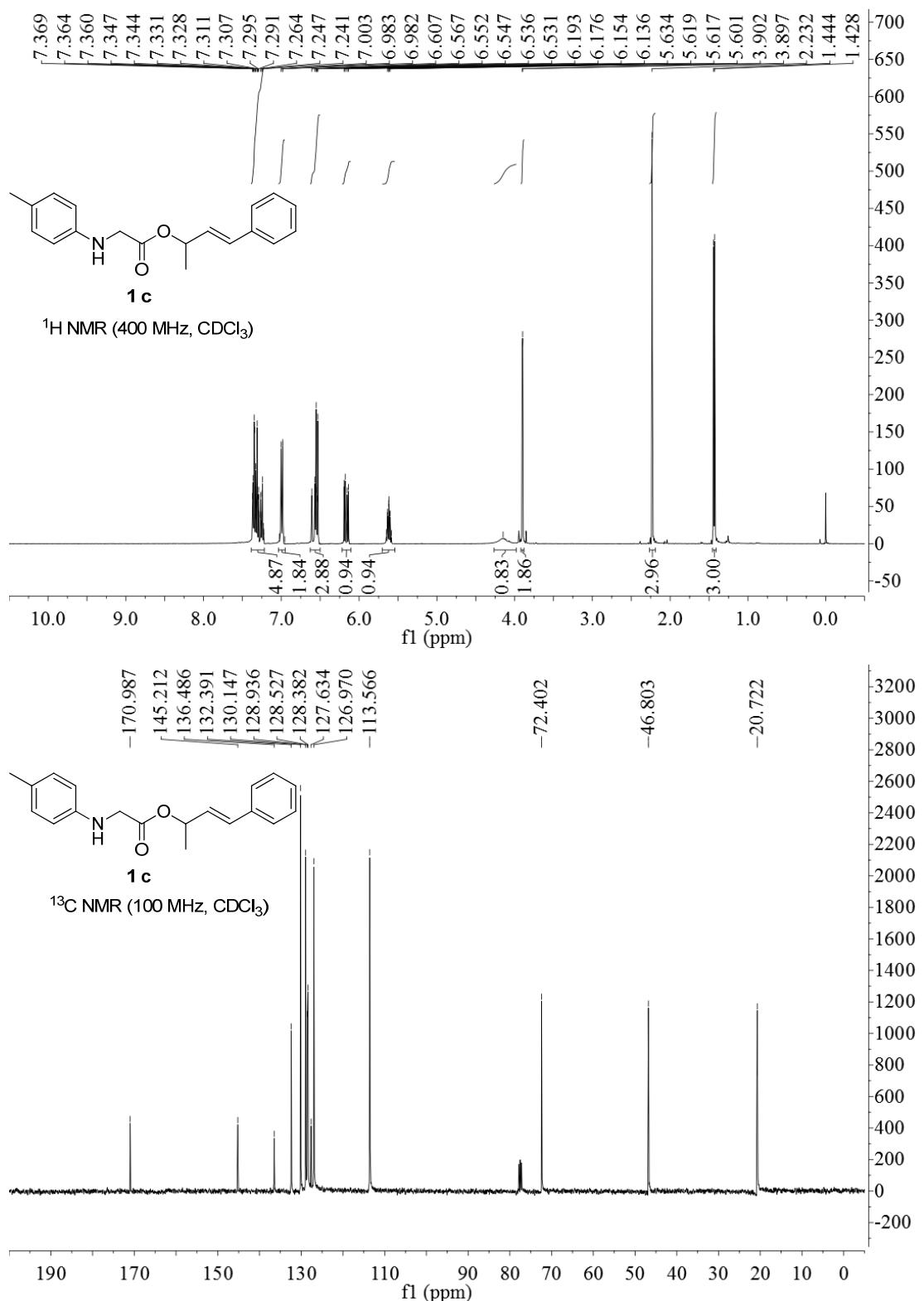
Cinnamyl 2-(*p*-tolylamino)acetate (**1a**)



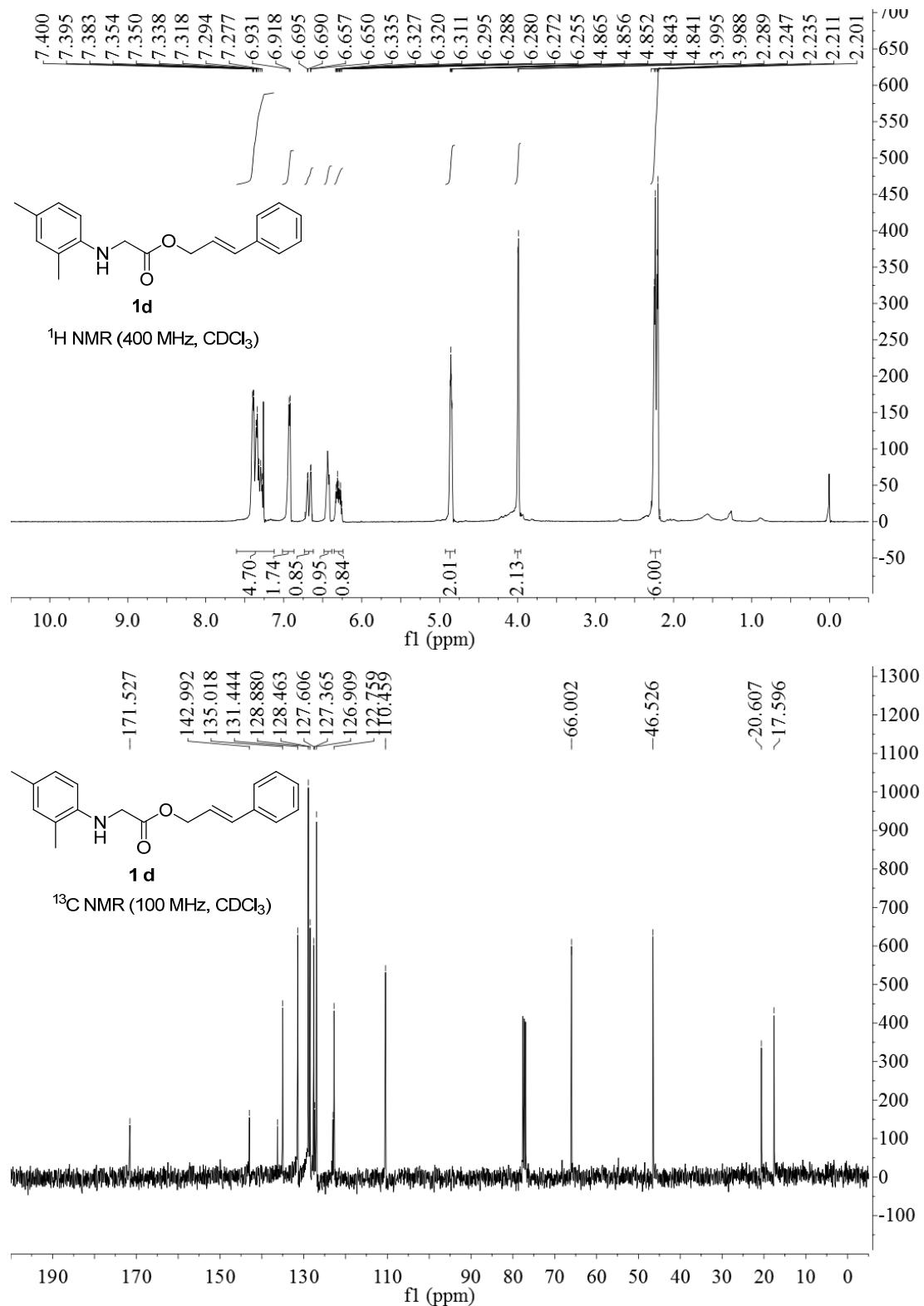
Cinnamyl 2-((4-(*t*-butyl)phenyl)amino)acetate (1b**)**



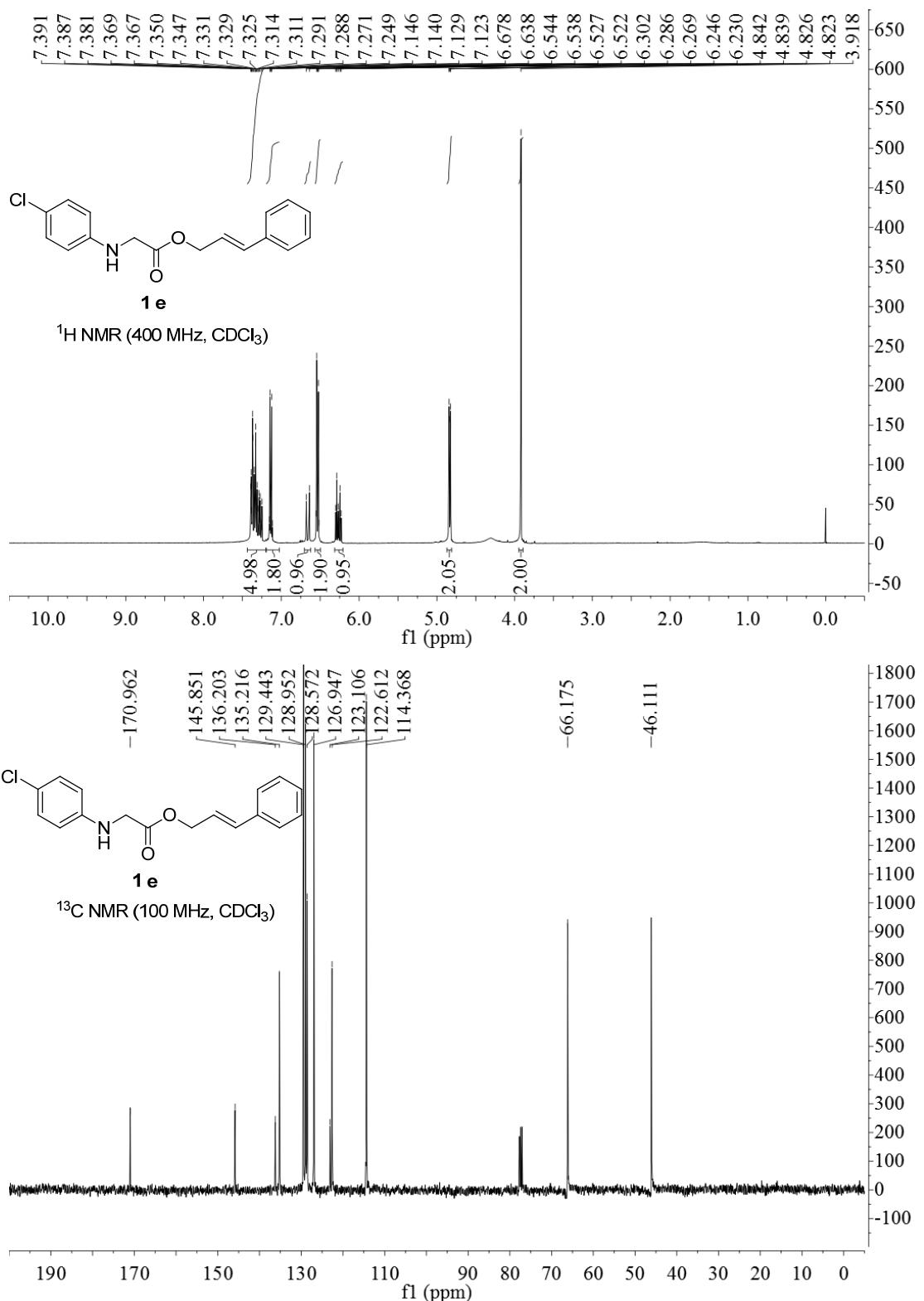
(E)-4-Phenylbut-3-en-2-yl 2-(*p*-tolylamino)acetate (1c**)**



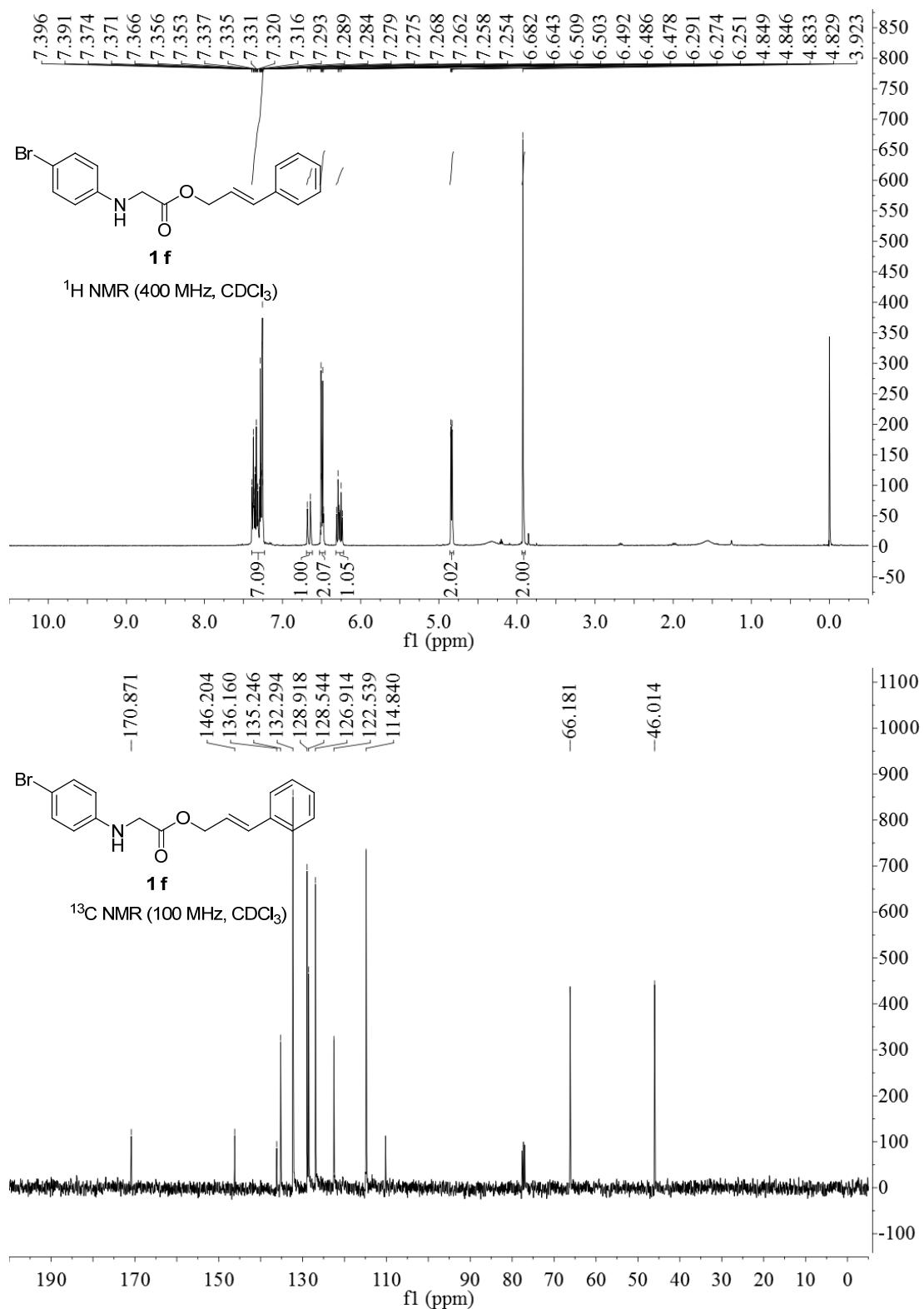
Cinnamyl 2-((2,4-dimethylphenyl)amino)acetate (1d**)**



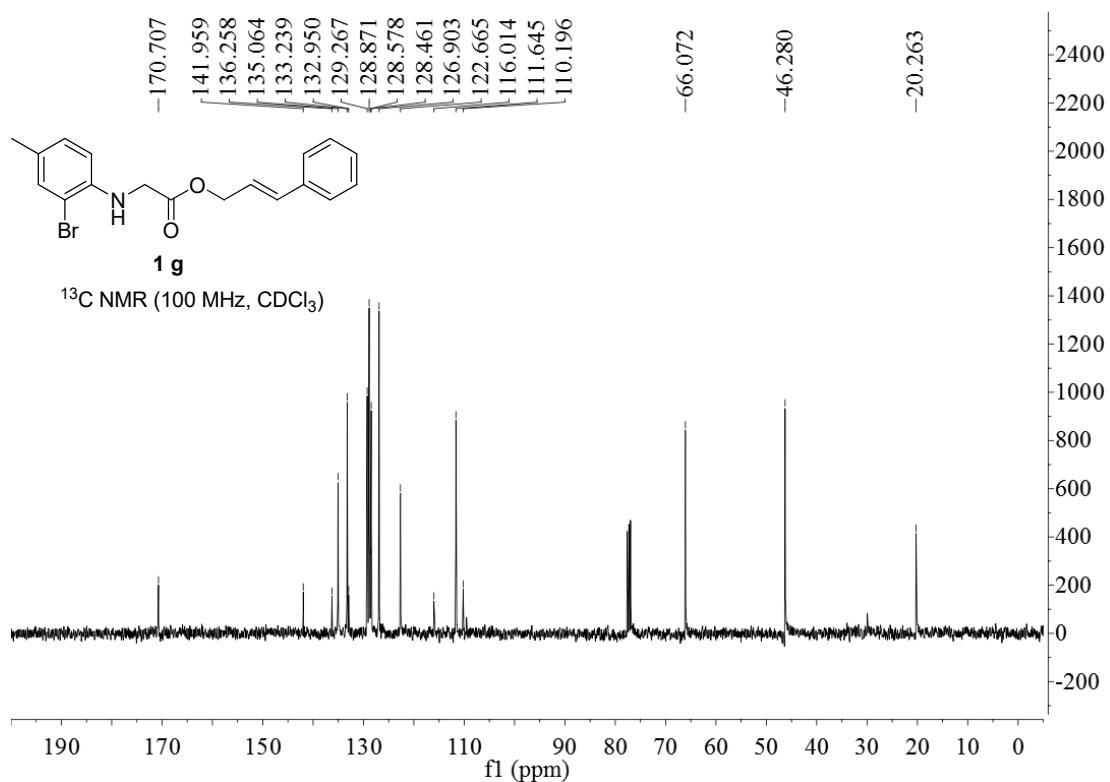
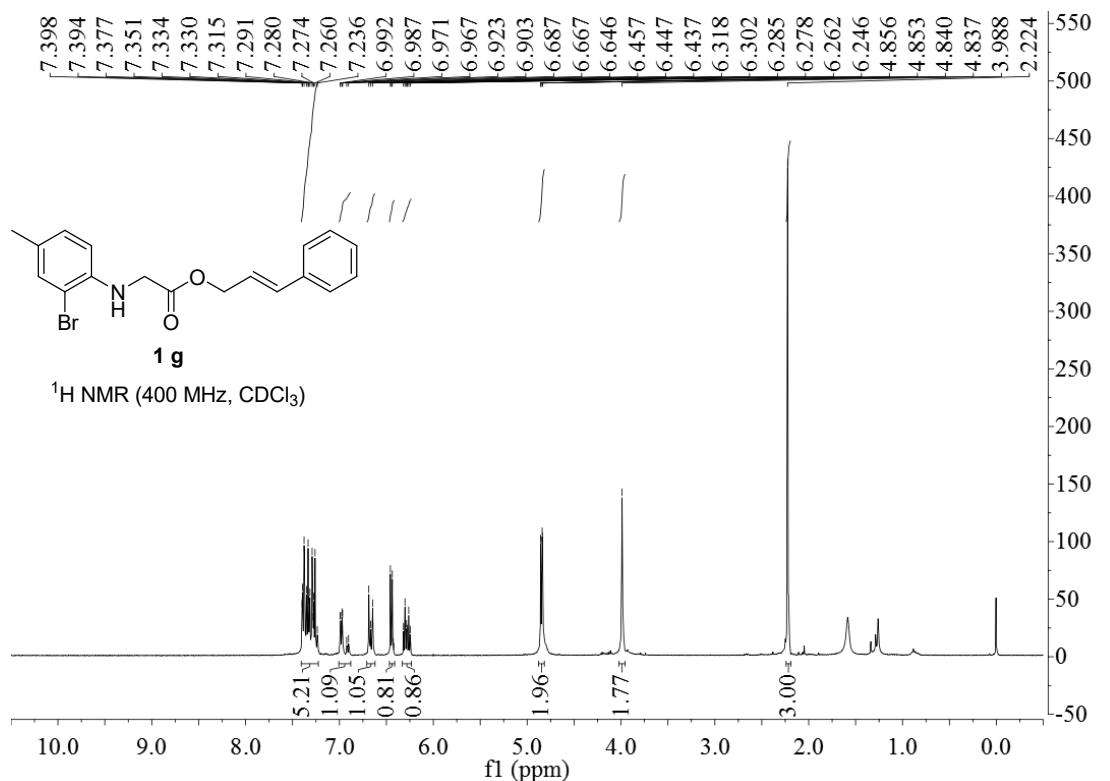
Cinnamyl 2-((4-chlorophenyl)amino)acetate (1e**)**



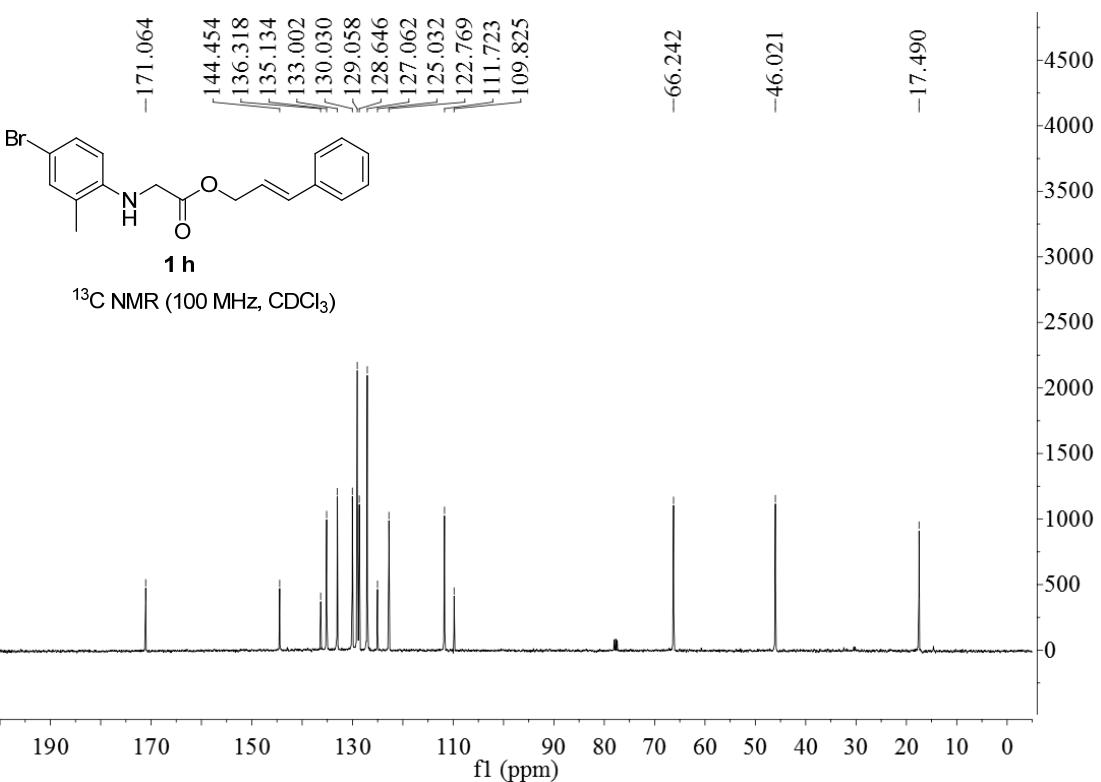
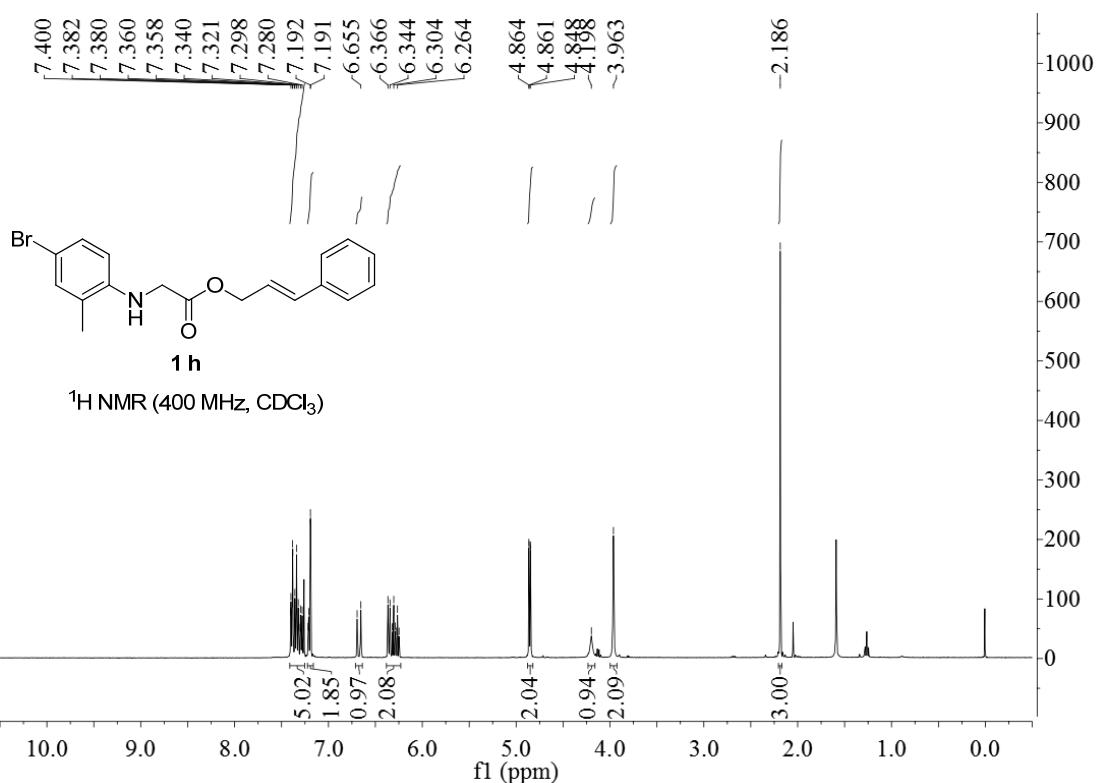
Cinnamyl 2-((4-bromophenyl)amino)acetate (1f**)**



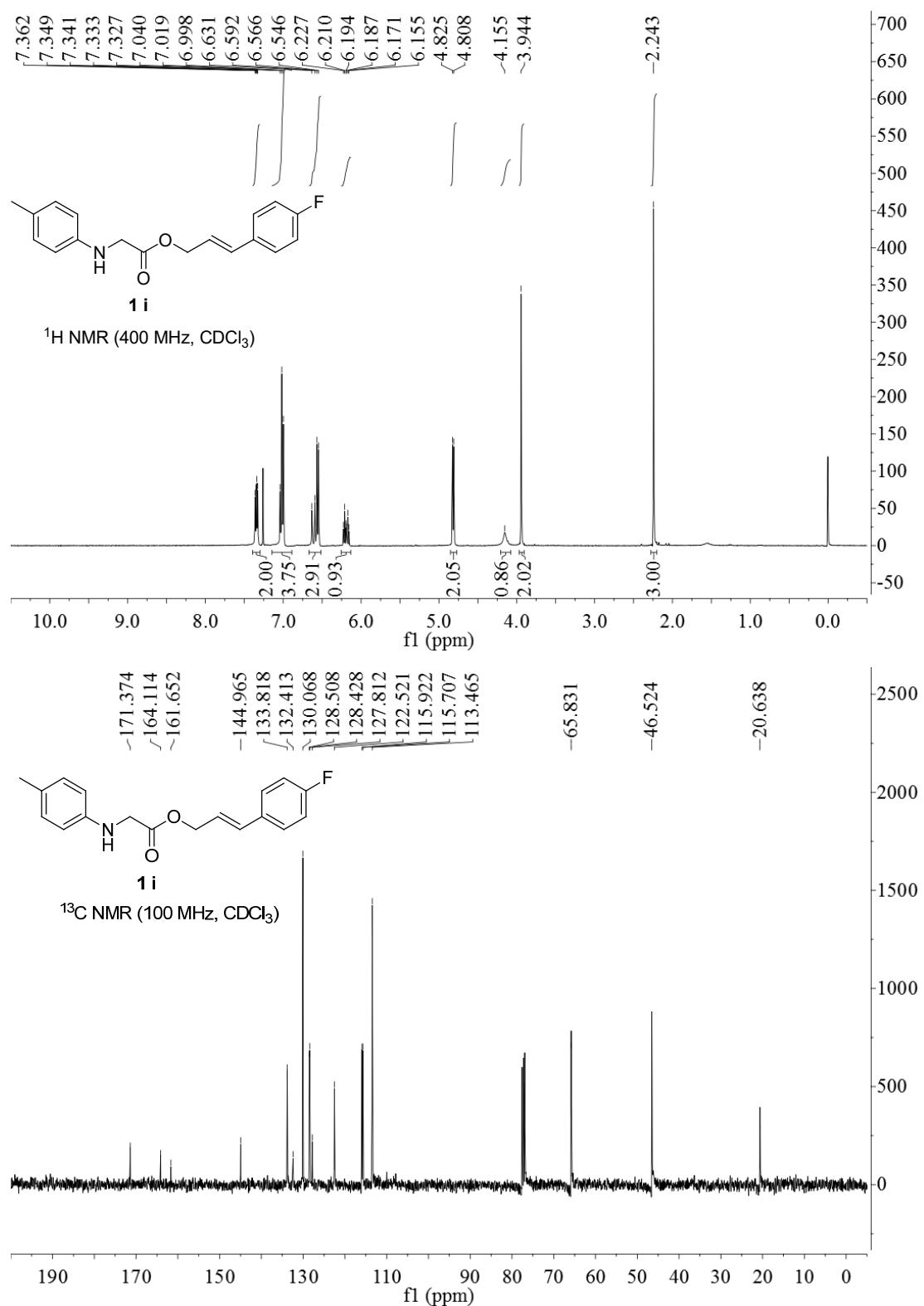
Cinnamyl 2-((2-bromo-4-methylphenyl)amino)acetate (1g)



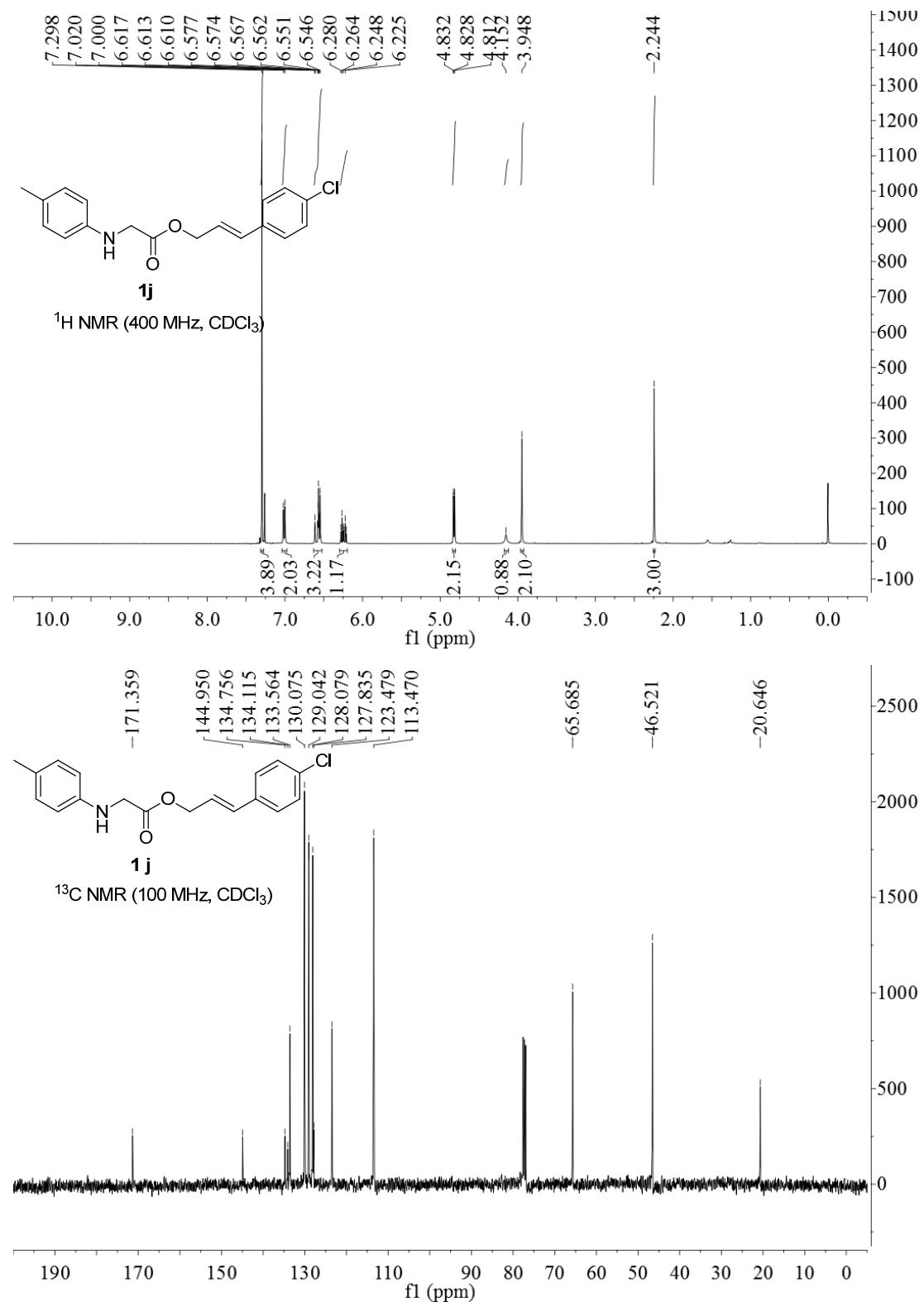
Cinnamyl 2-((4-bromo-2-methylphenyl)amino)acetate (1h**)**



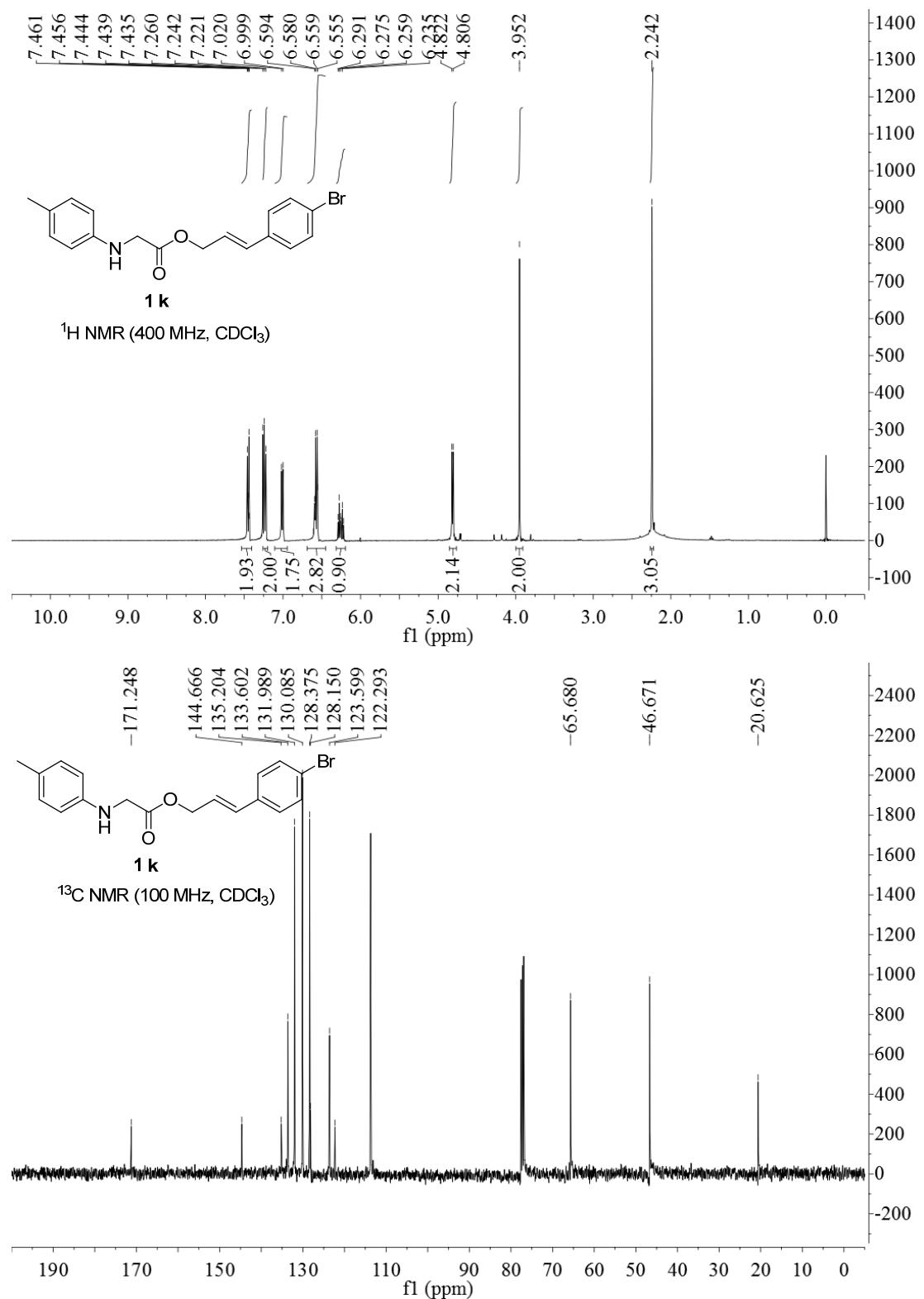
(E)-3-(4-Fluorophenyl)allyl 2-(p-tolylamino)acetate (1i)



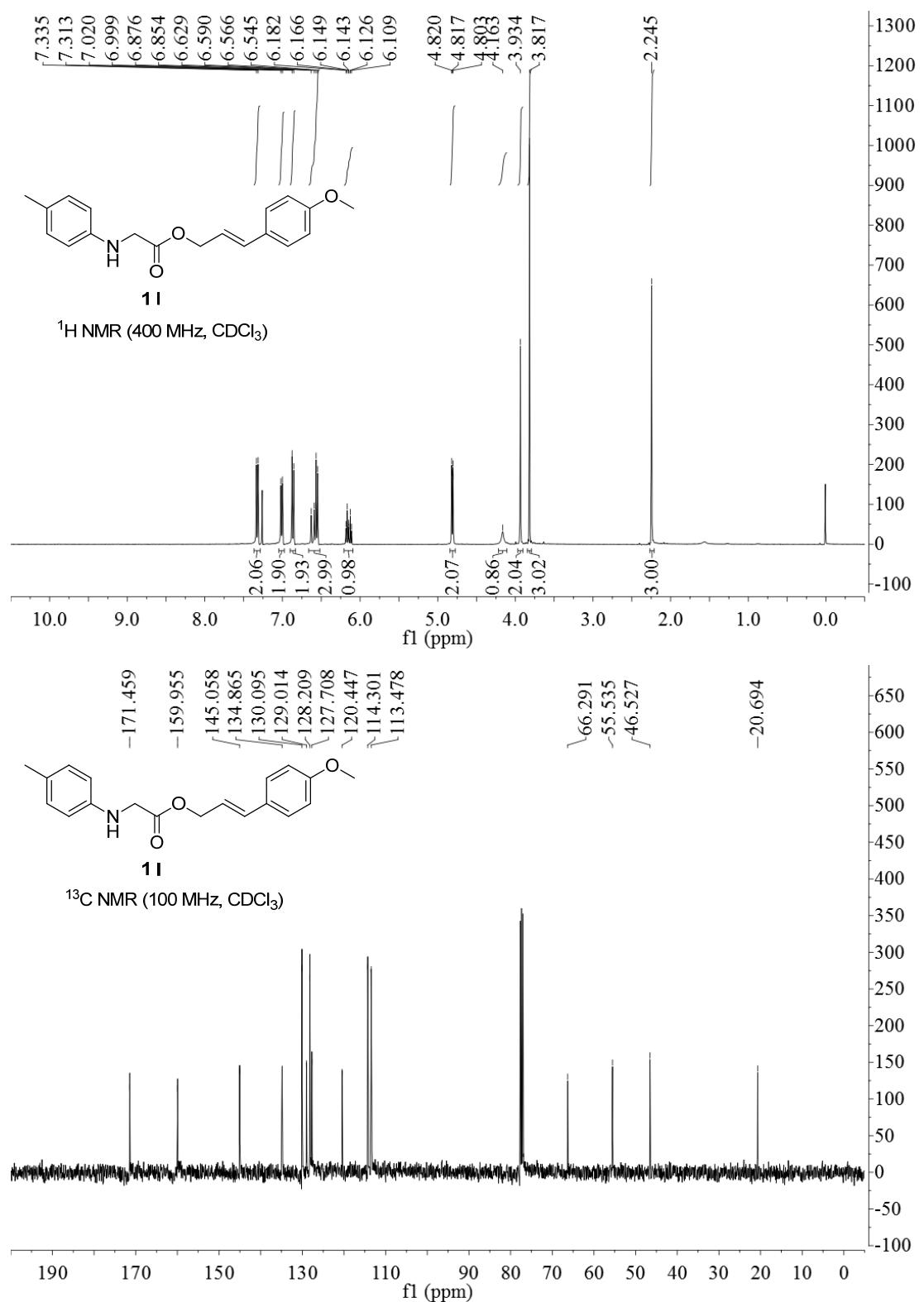
(E)-3-(4-Chlorophenyl)allyl 2-(*p*-tolylamino)acetate (**1j**)



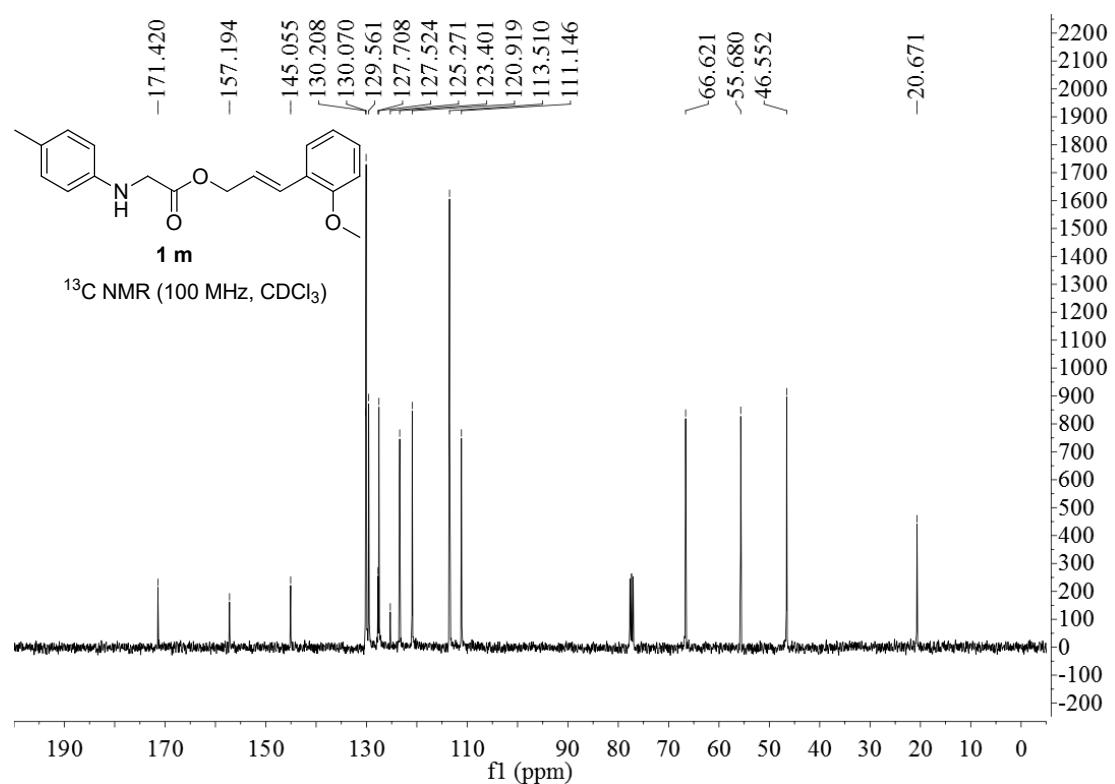
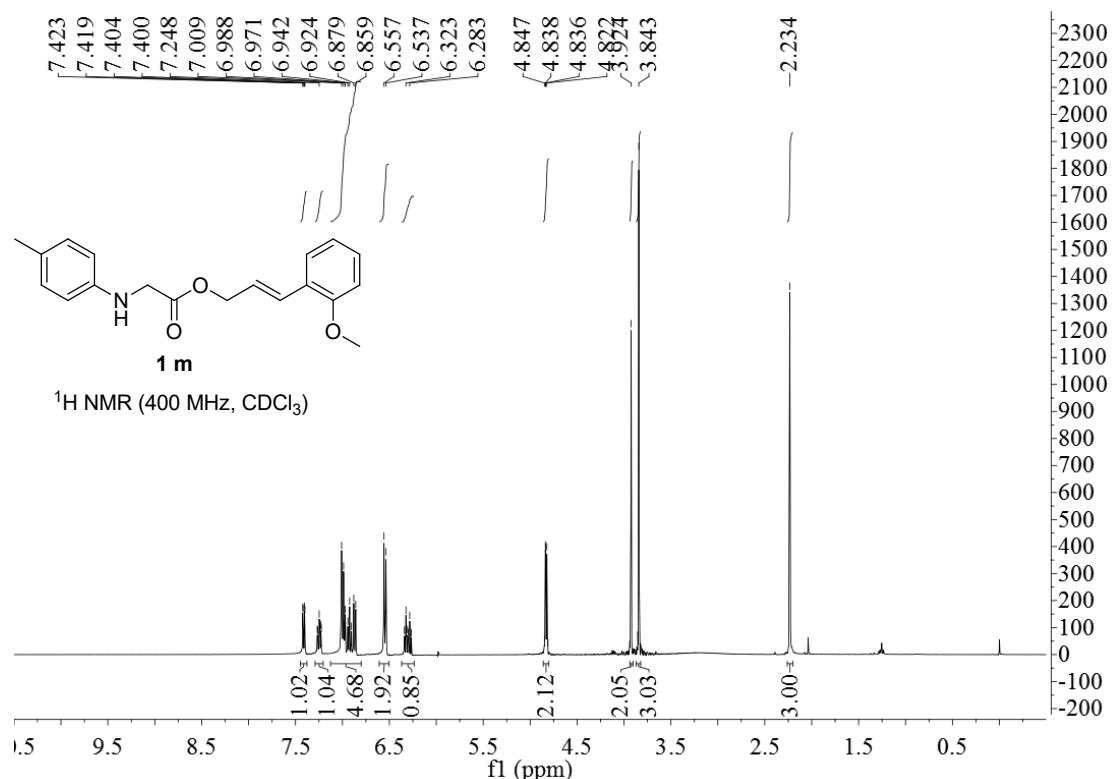
*(E)-3-(4-Bromophenyl)allyl 2-(*p*-tolylamino)acetate (1k)*



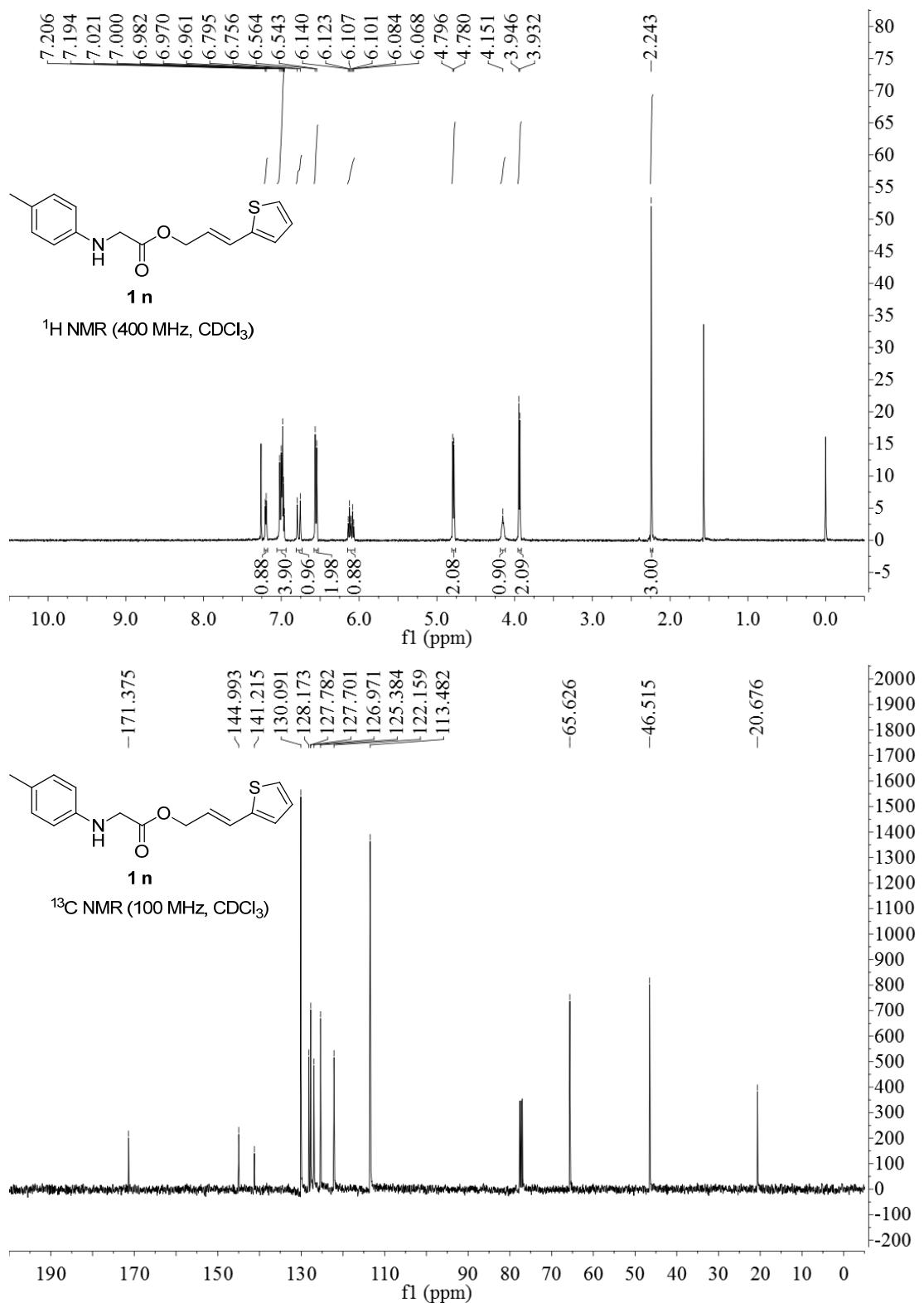
*(E)-3-(4-Methoxyphenyl)allyl 2-(*p*-tolylamino)acetate (**1l**)*



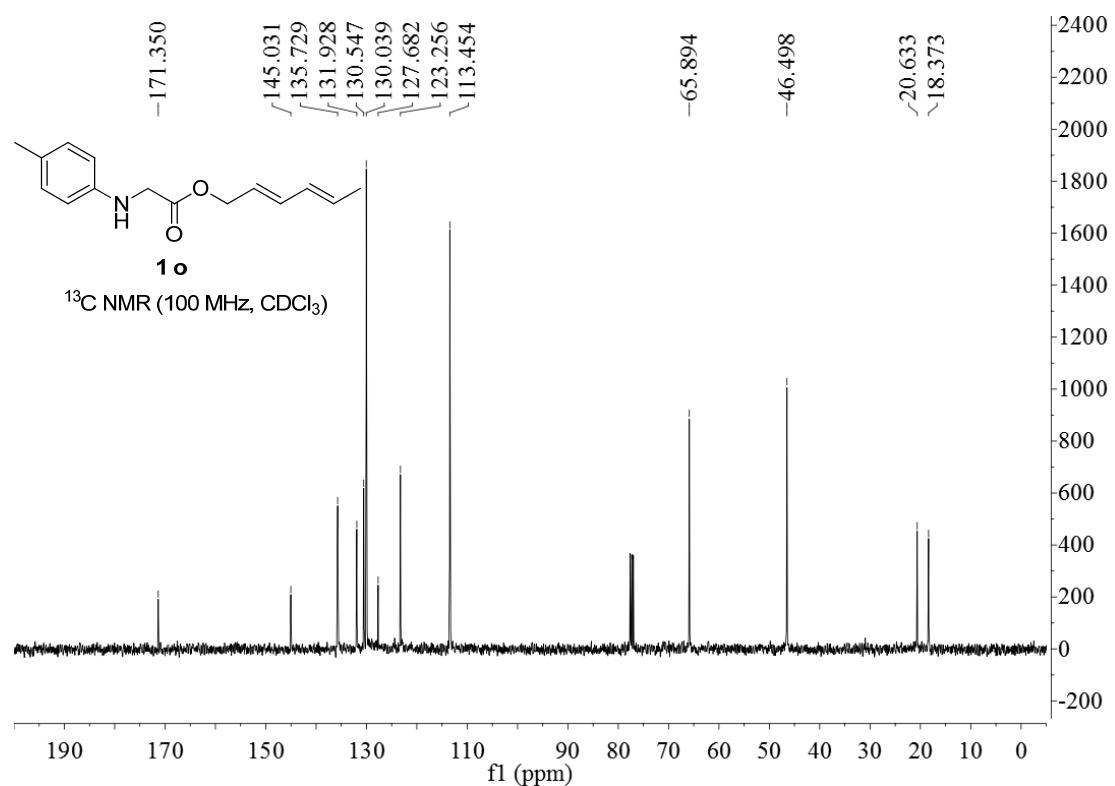
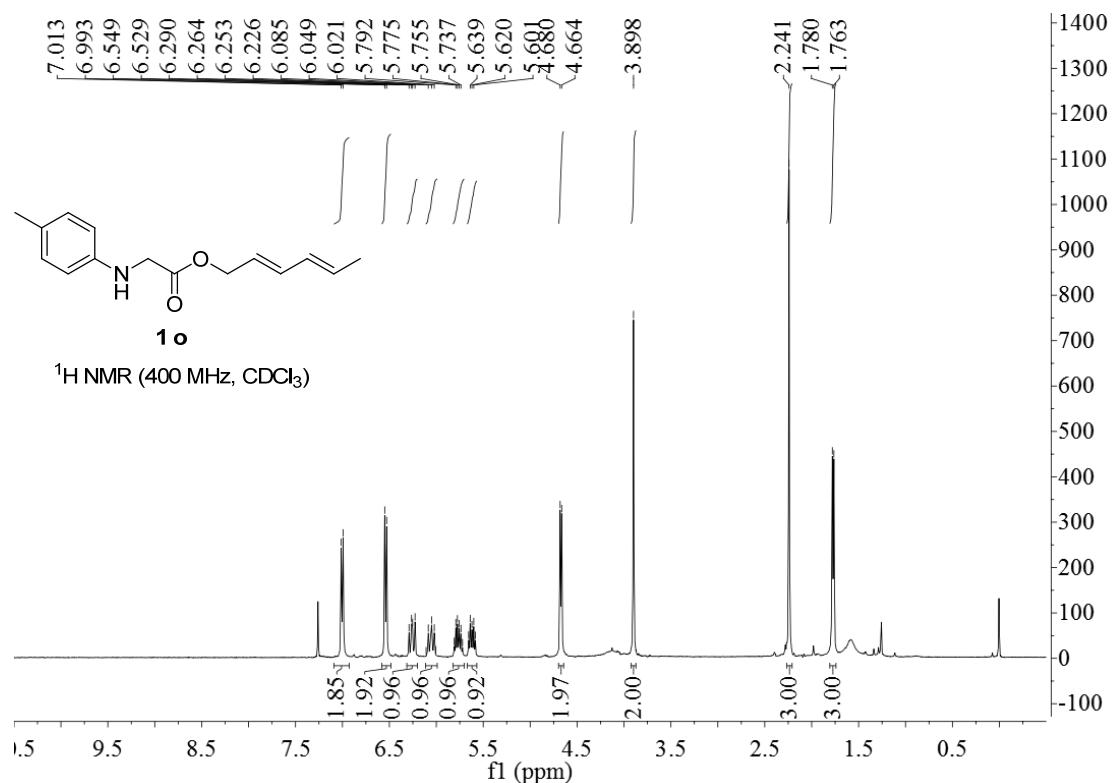
(E)-3-(2-Methoxyphenyl)allyl 2-(*p*-tolylamino)acetate (1m**)**



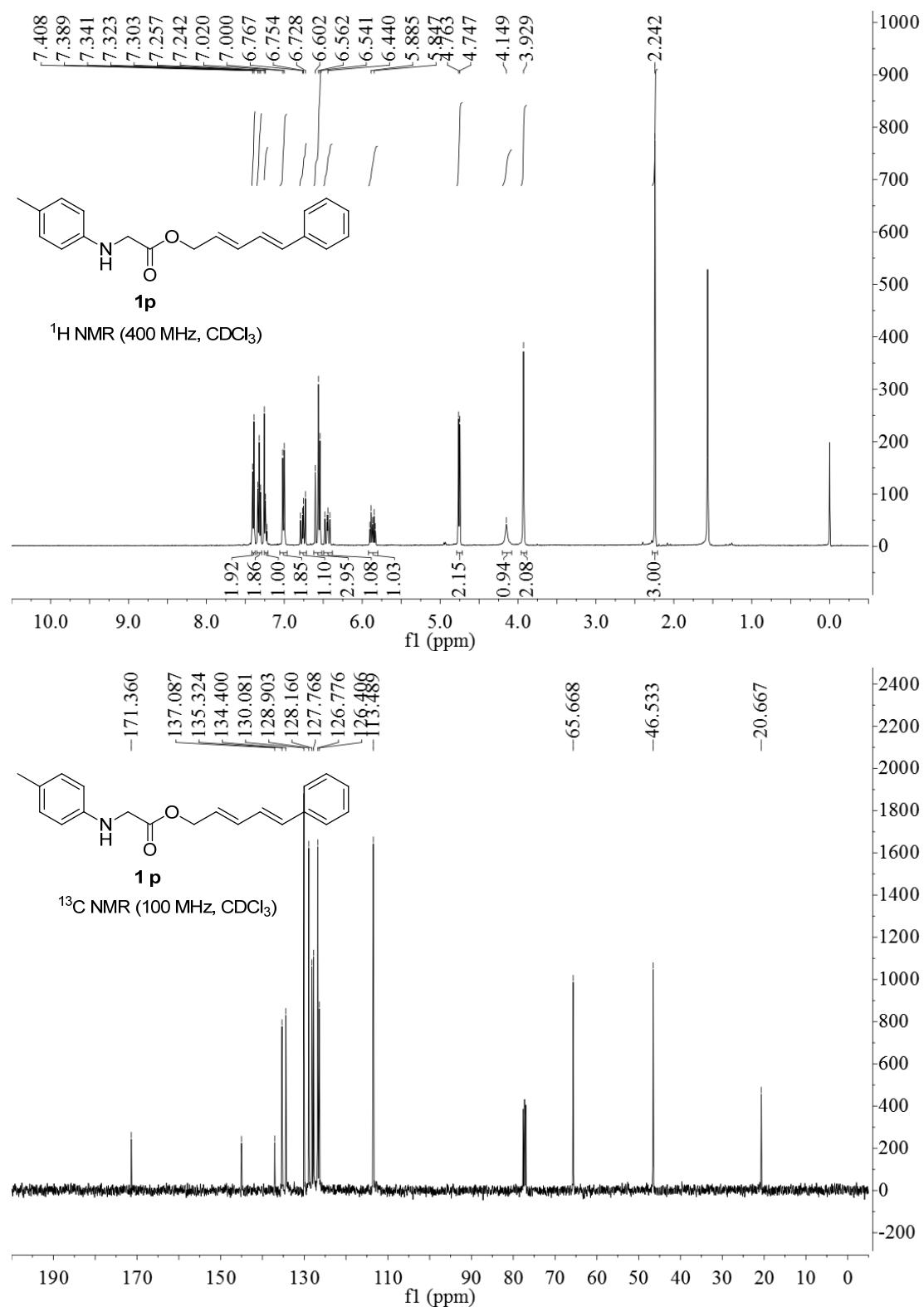
(E)-3-(Thiophen-2-yl)allyl 2-(*p*-tolylamino)acetate (1n**)**



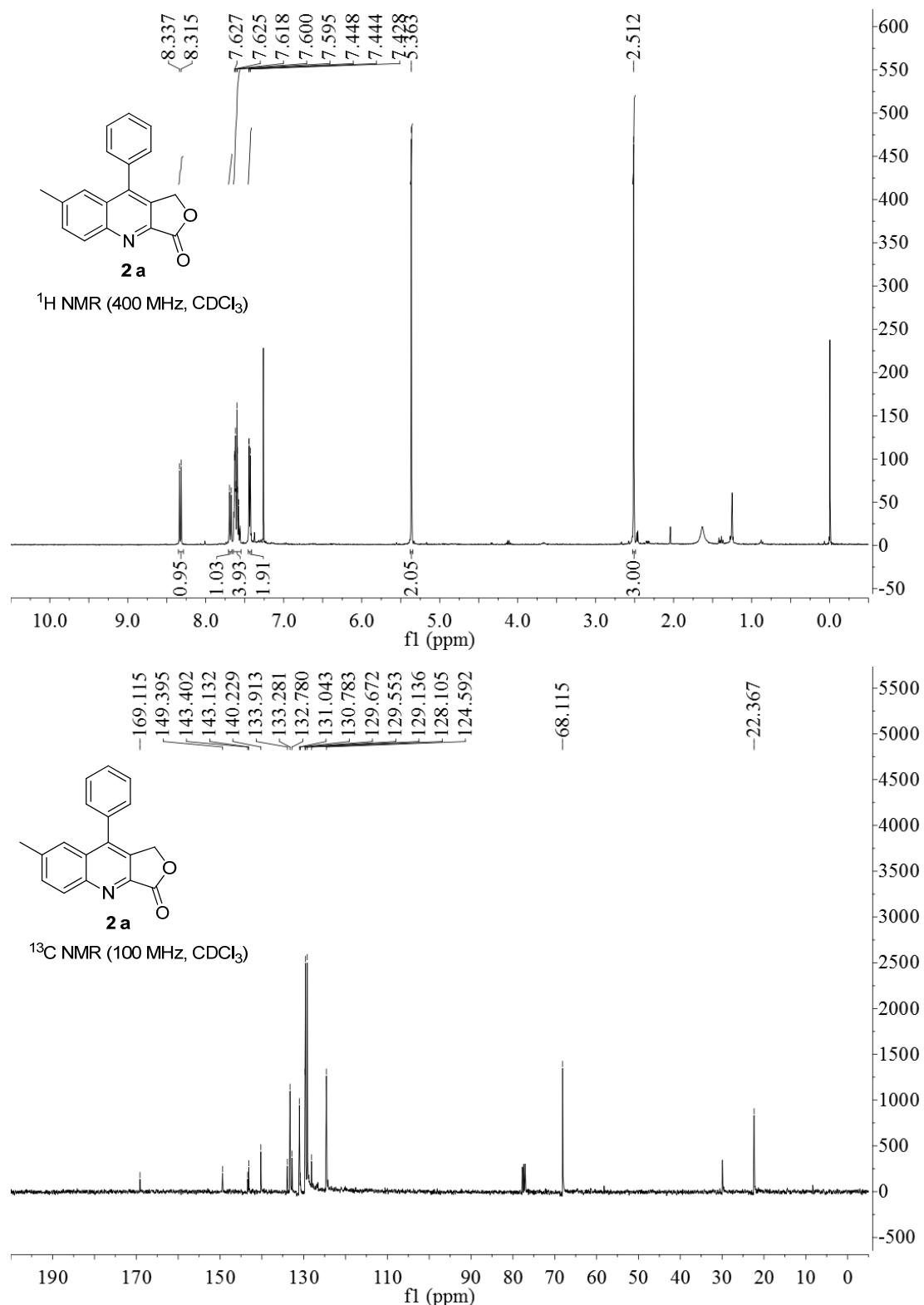
(2E,4E)-Hexa-2,4-dien-1-yl 2-(*p*-tolylamino)acetate (1o**)**



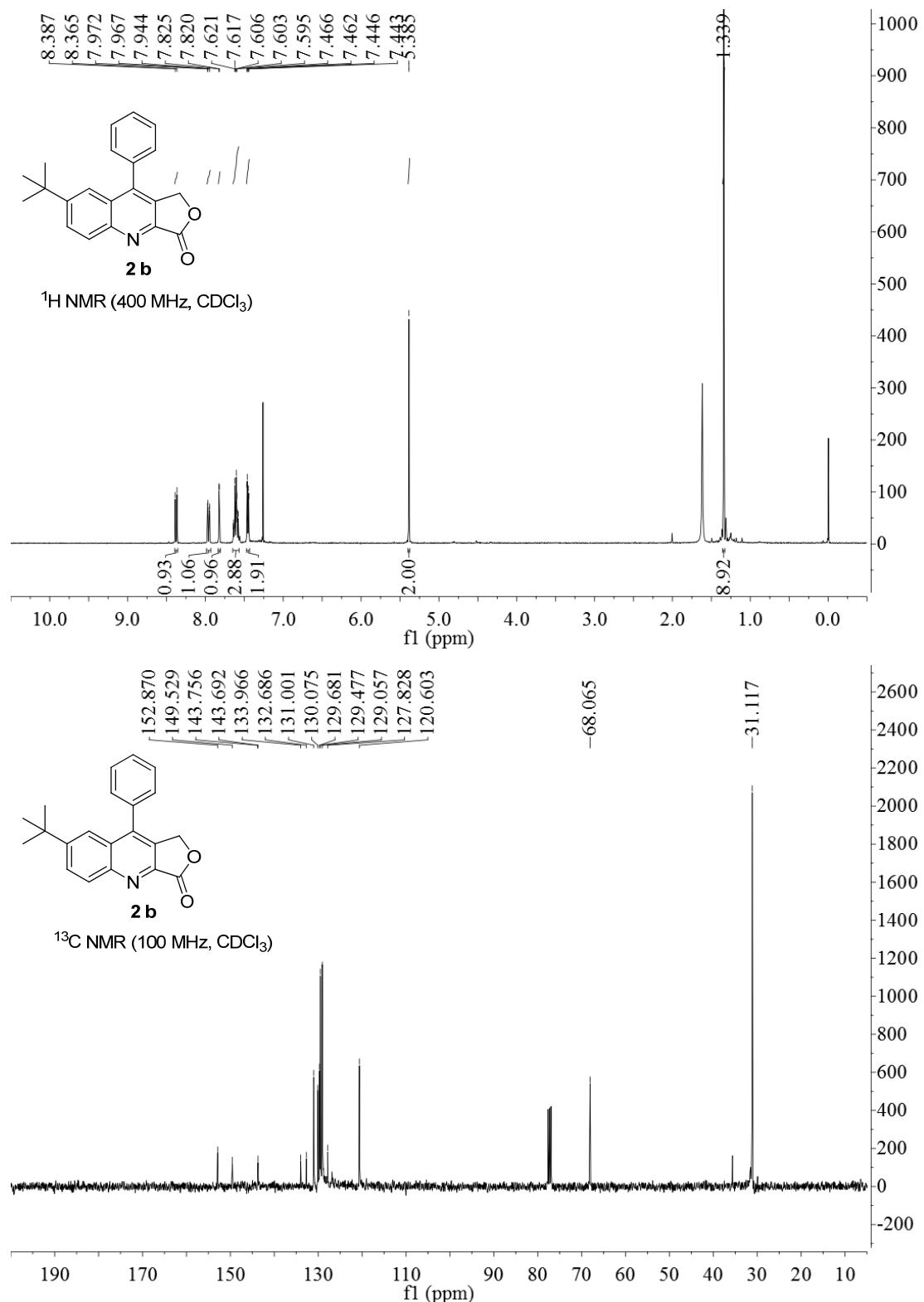
(2E,4E)-5-Phenylpenta-2,4-dien-1-yl 2-(*p*-tolylamino)acetate (1p**)**



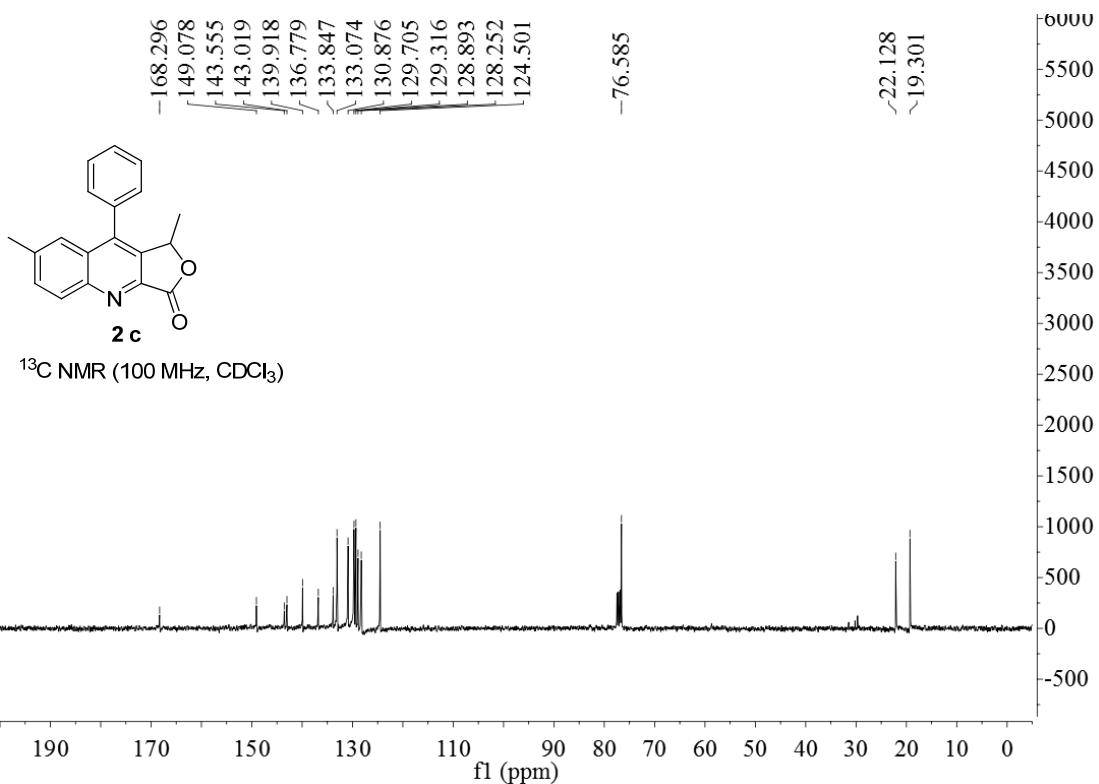
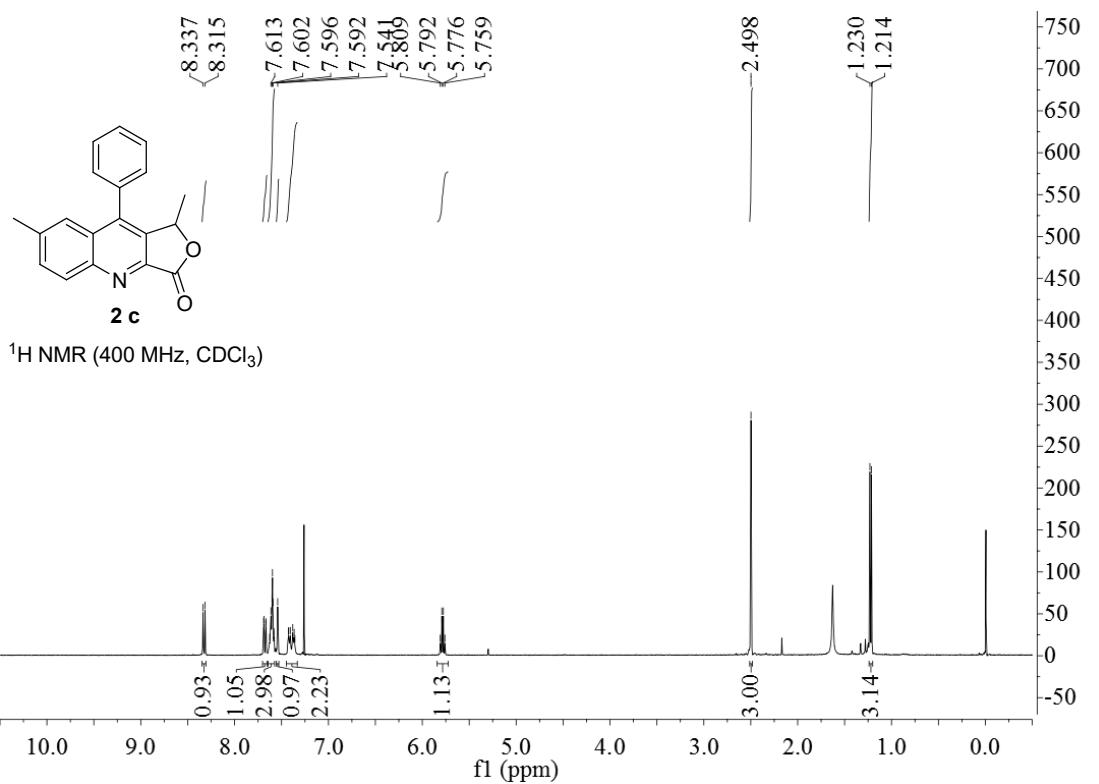
7-Methyl-9-phenylfuro[3,4-b]quinolin-3(1H)-one (2a)



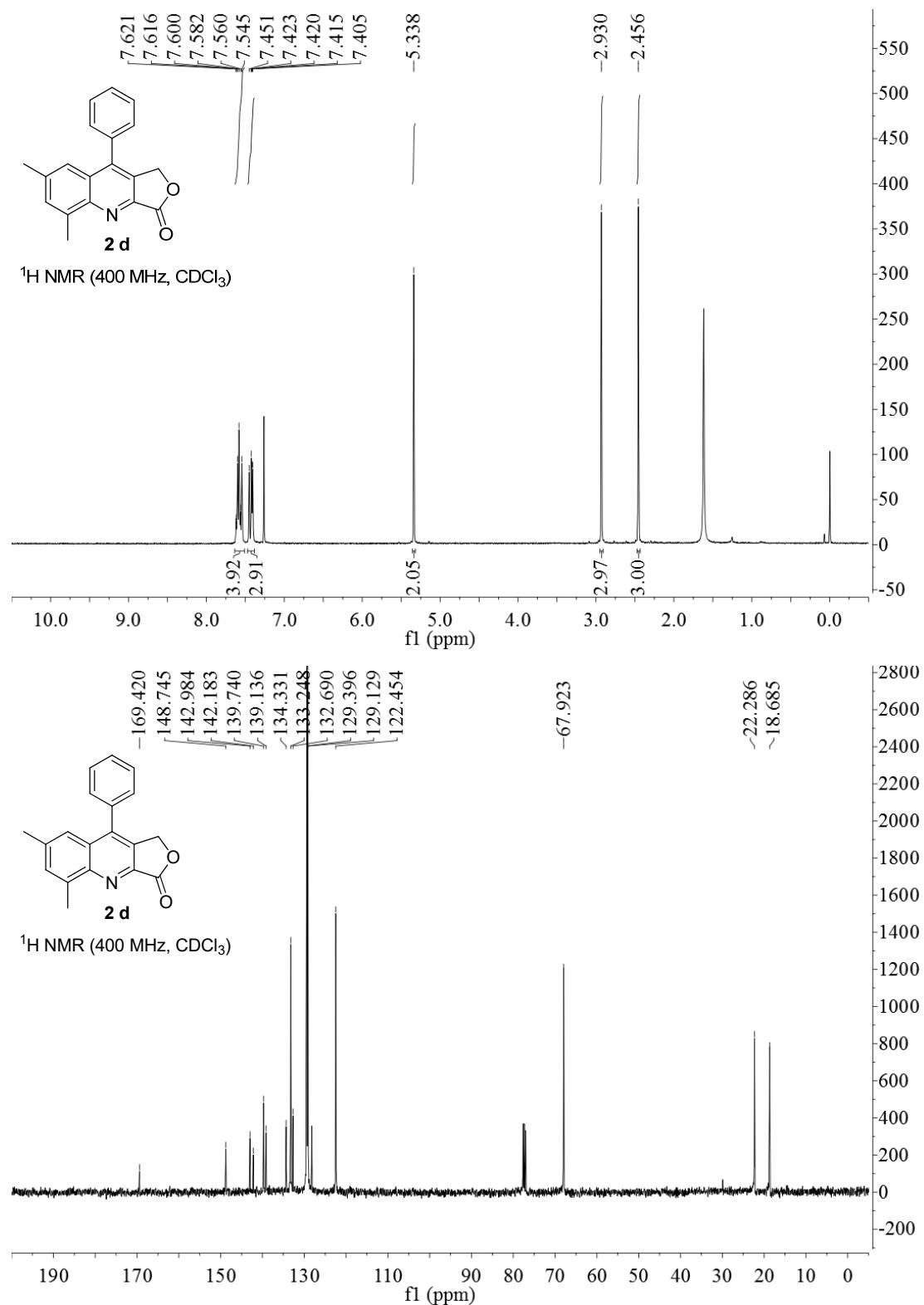
7-(*t*-Butyl)-9-phenylfuro[3,4-*b*]quinolin-3(1*H*)-one (2b)



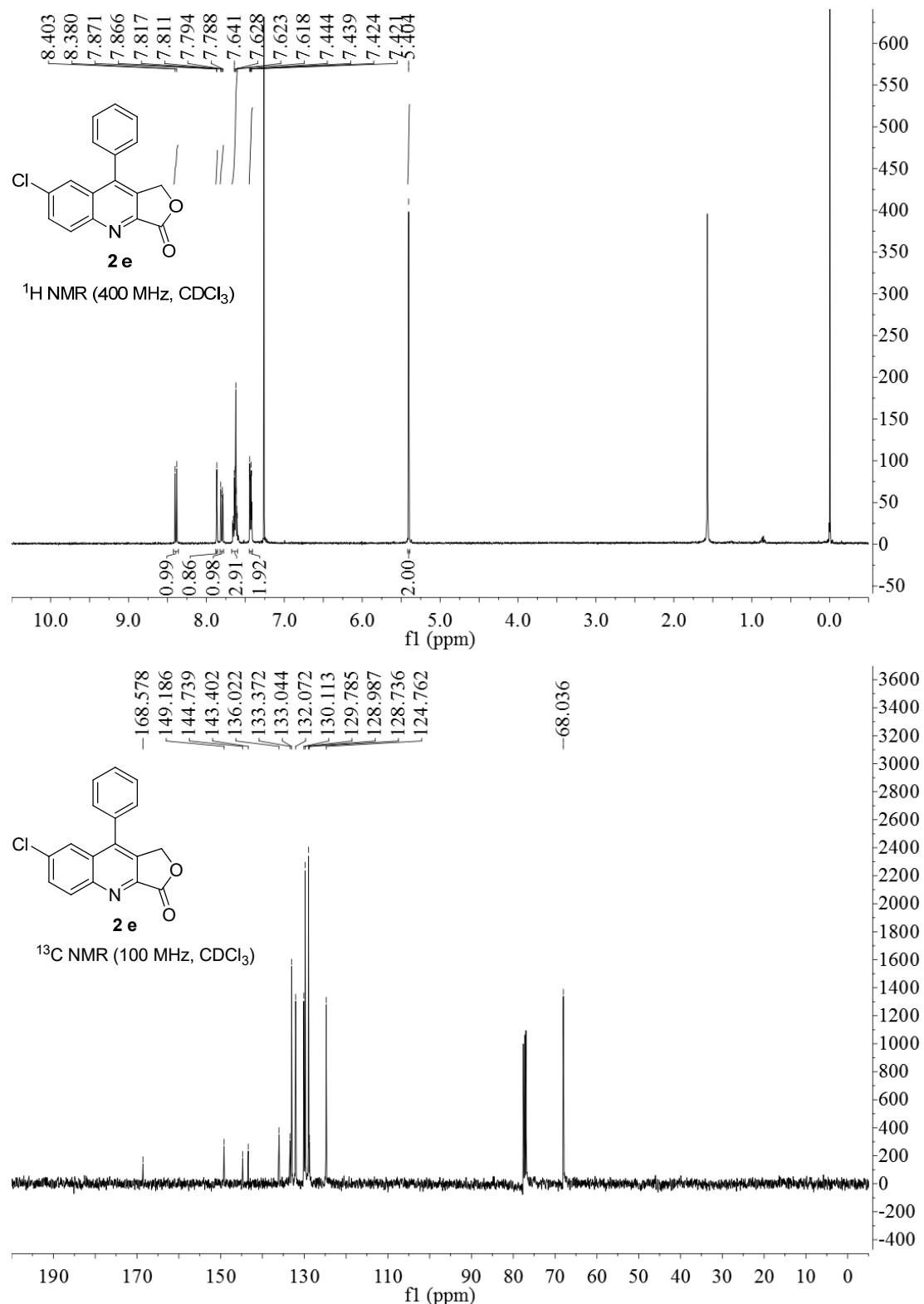
1,7-Dimethyl-9-phenylfuro[3,4-b]quinolin-3(1H)-one (2c)



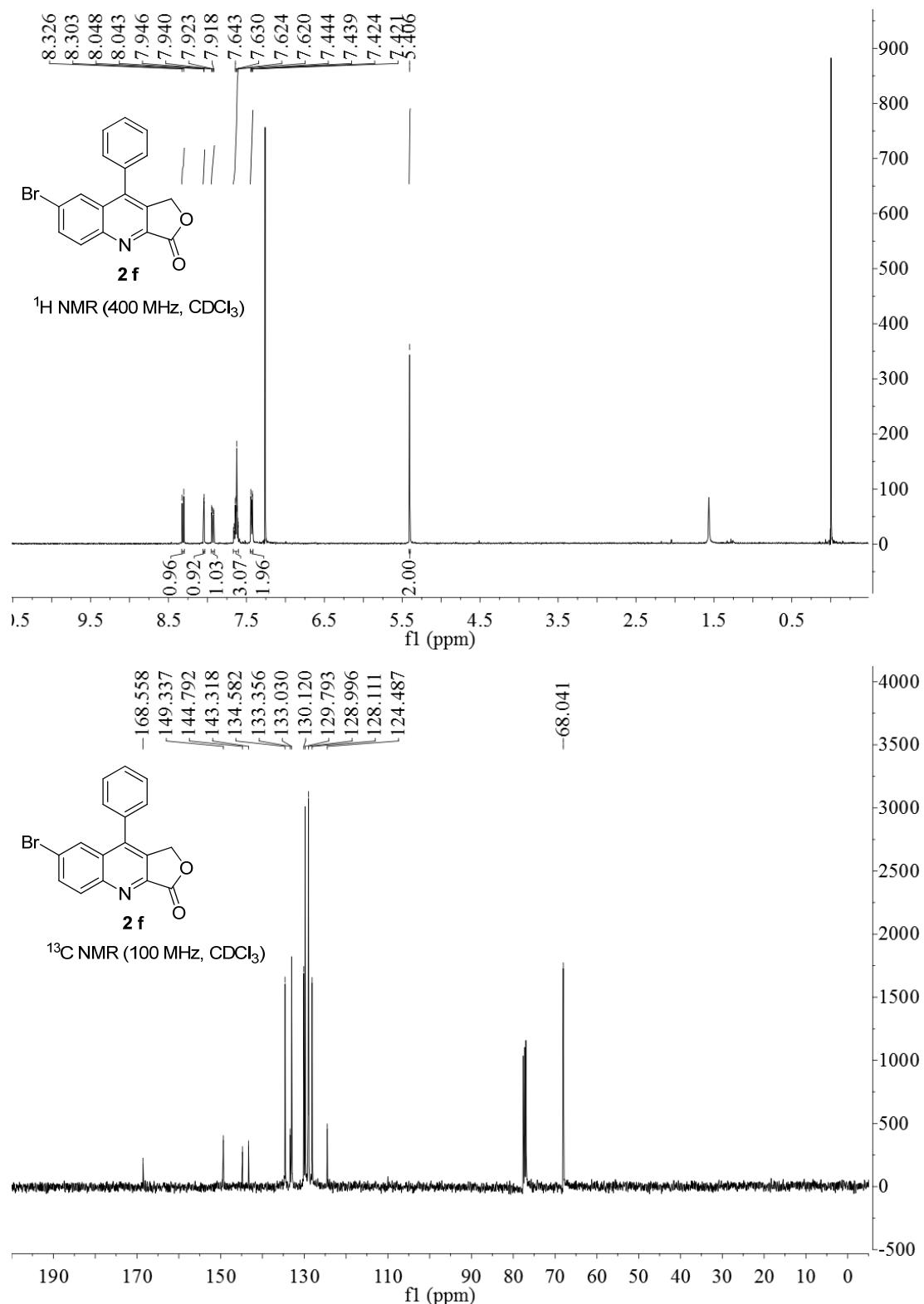
5,7-Dimethyl-9-phenylfuro[3,4-b]quinolin-3(1H)-one (2d)



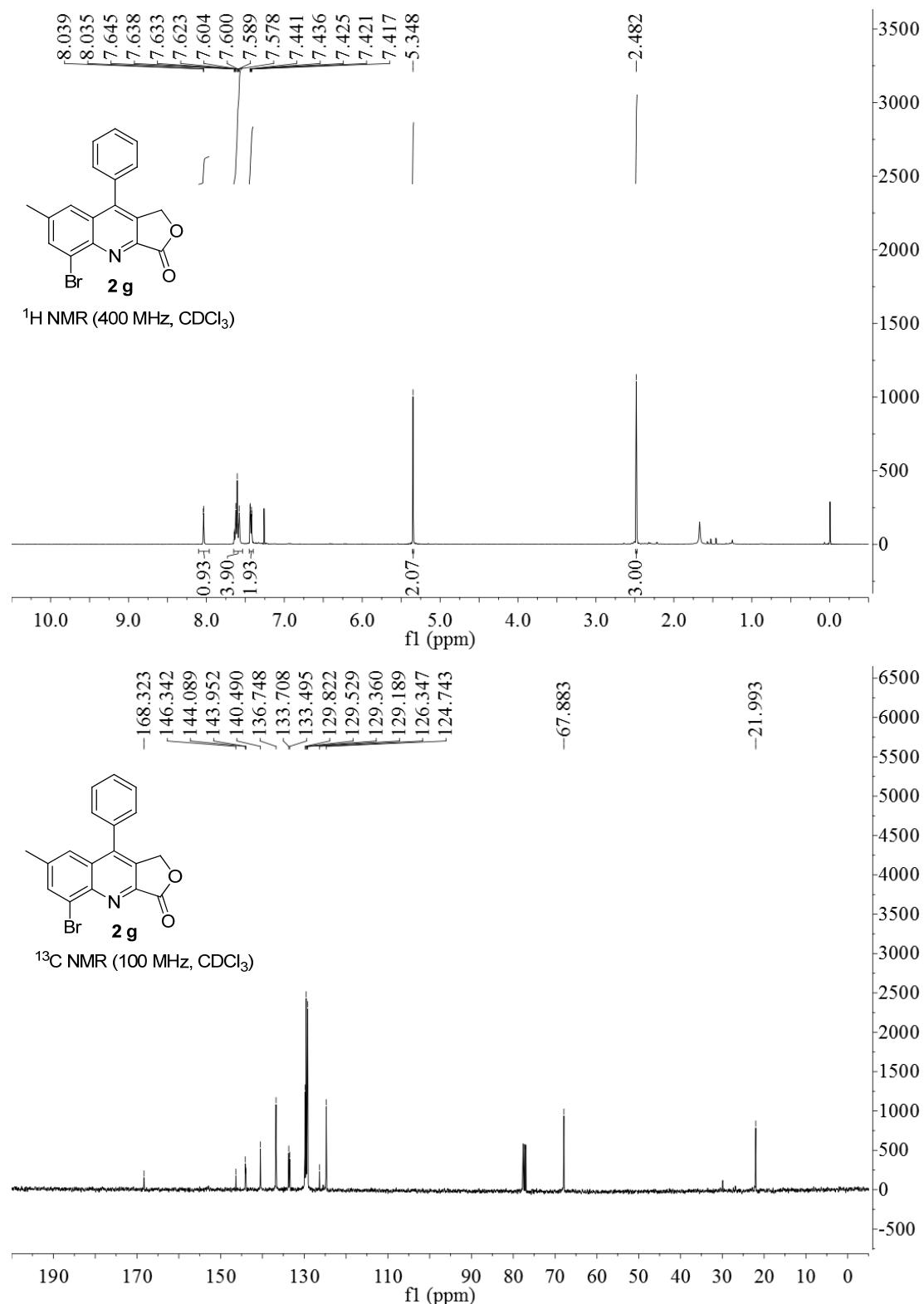
7-Chloro-9-phenylfuro[3,4-b]quinolin-3(1H)-one (2e)



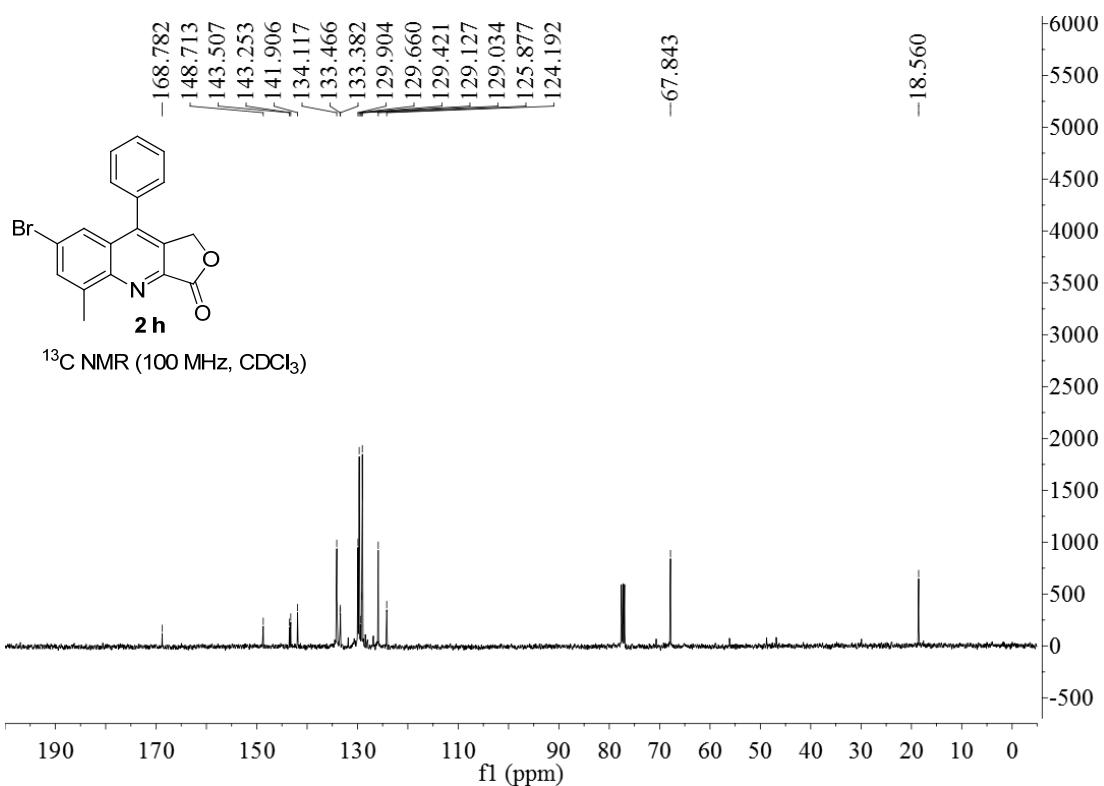
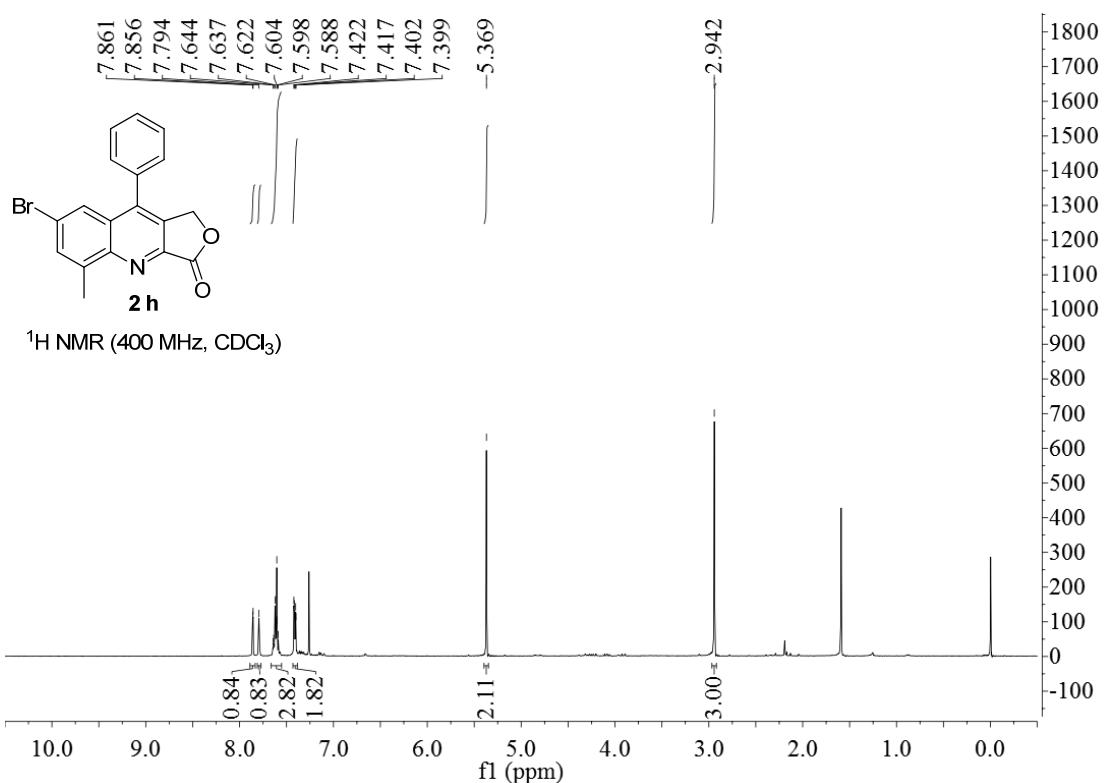
7-Bromo-9-phenylfuro[3,4-b]quinolin-3(1H)-one (2f)



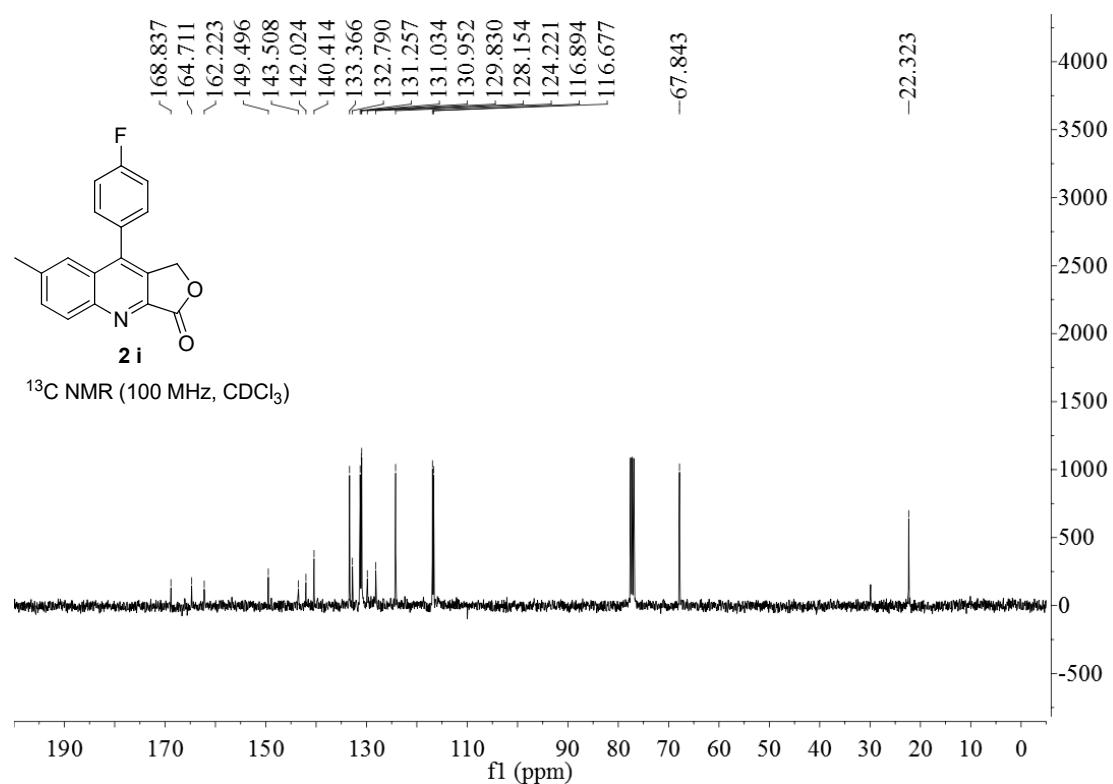
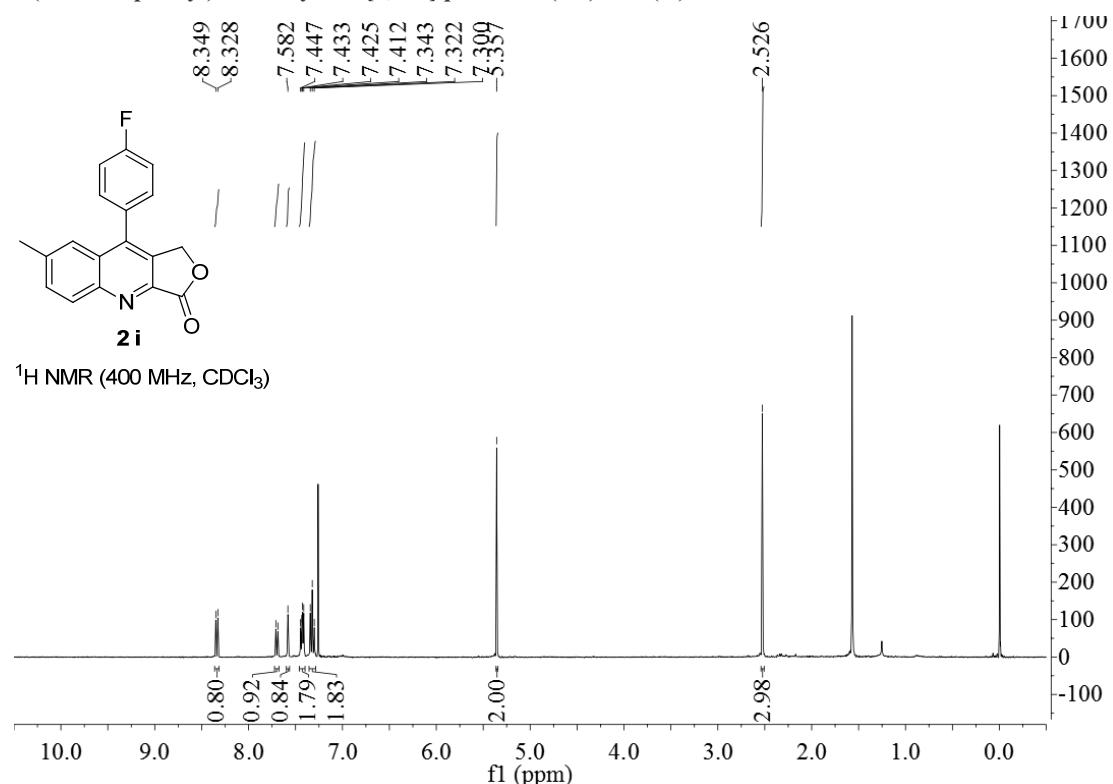
5-Bromo-7-methyl-9-phenylfuro[3,4-b]quinolin-3(1H)-one (2g)



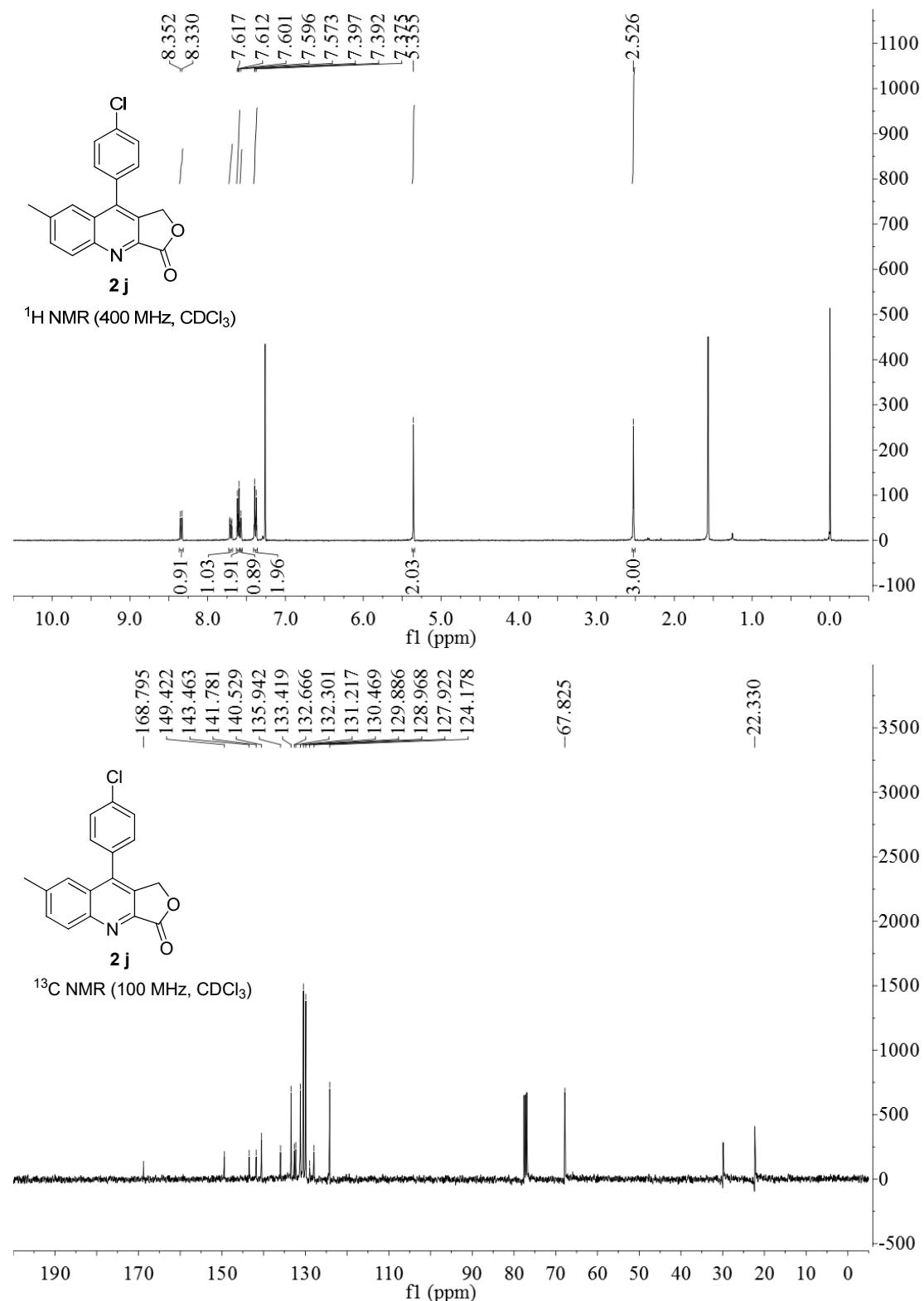
7-Bromo-5-methyl-9-phenylfuro[3,4-b]quinolin-3(1H)-one (2h)



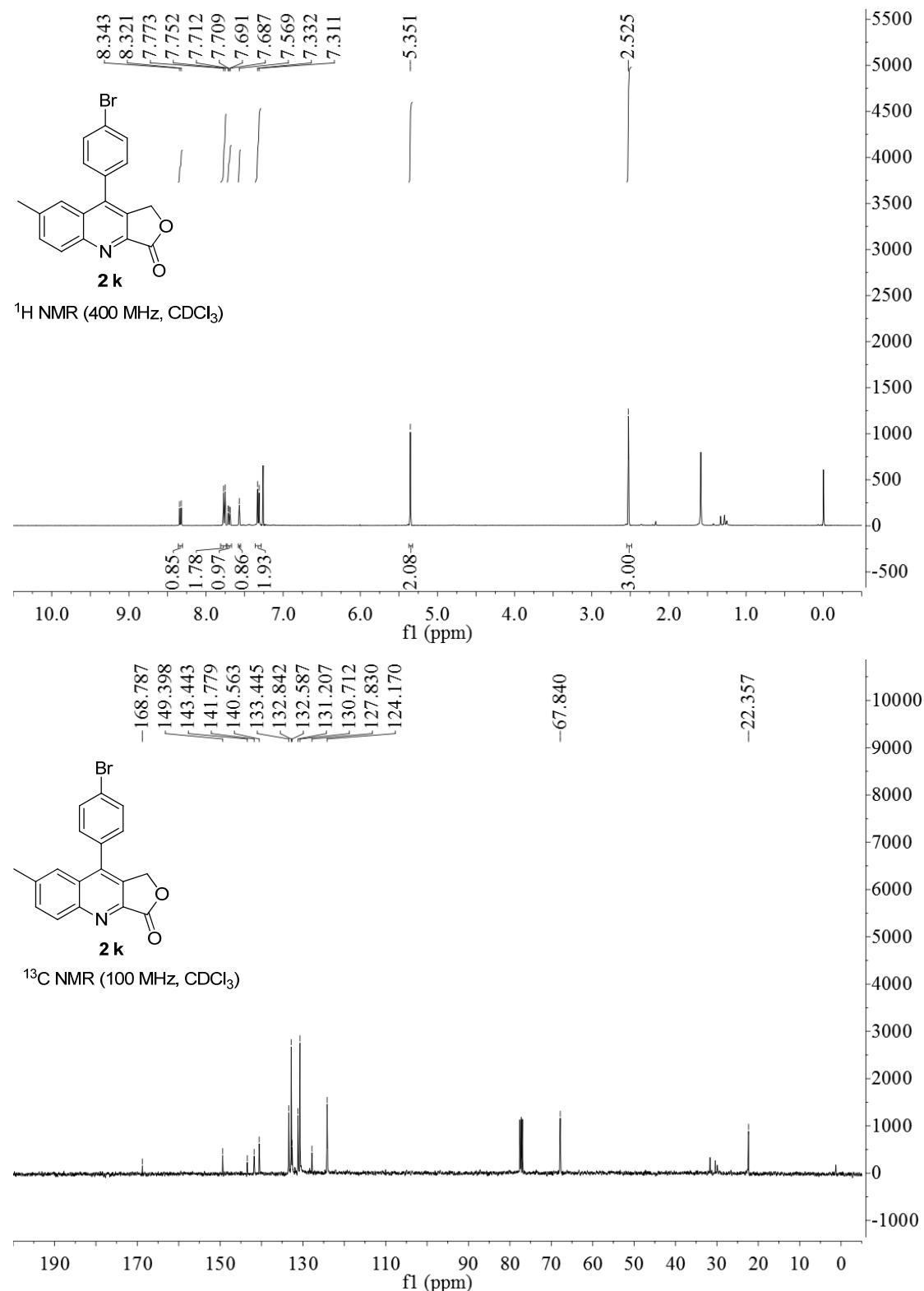
9-(4-Fluorophenyl)-7-methylfuro[3,4-b]quinolin-3(1H)-one (2i)



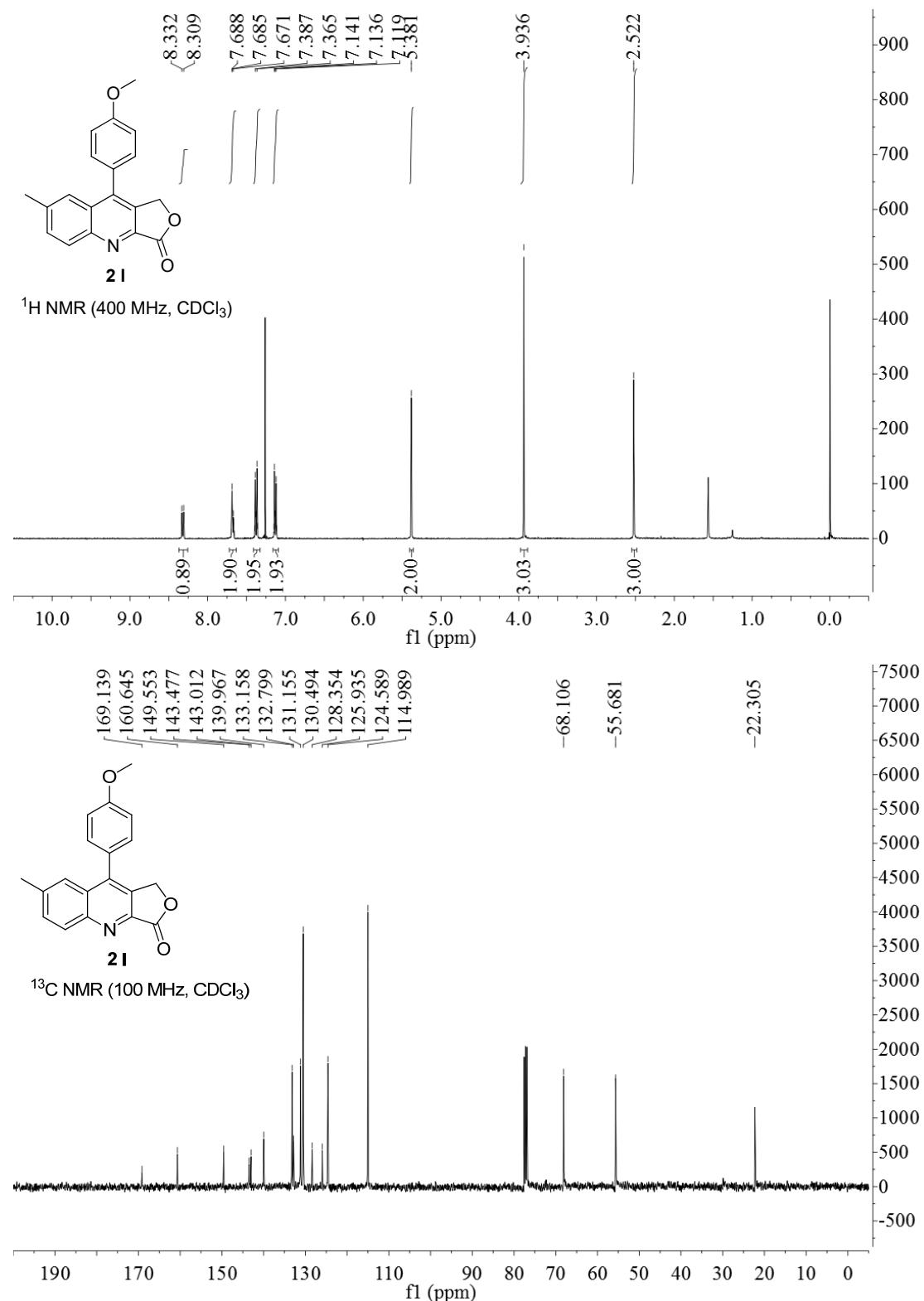
9-(4-Chlorophenyl)-7-methylfuro[3,4-b]quinolin-3(1H)-one (2j)



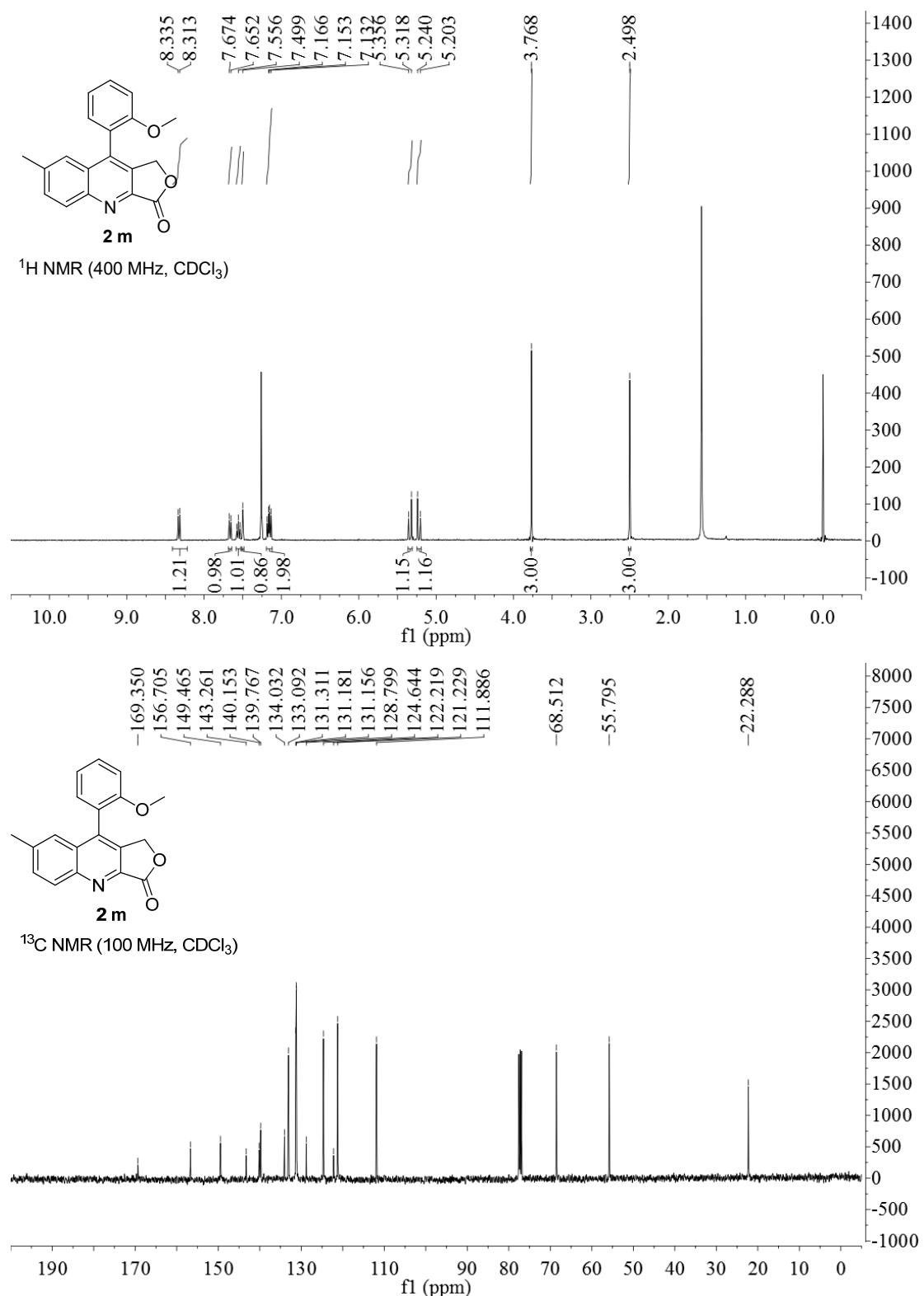
9-(4-Bromophenyl)-7-methylfuro[3,4-b]quinolin-3(1H)-one (2k)



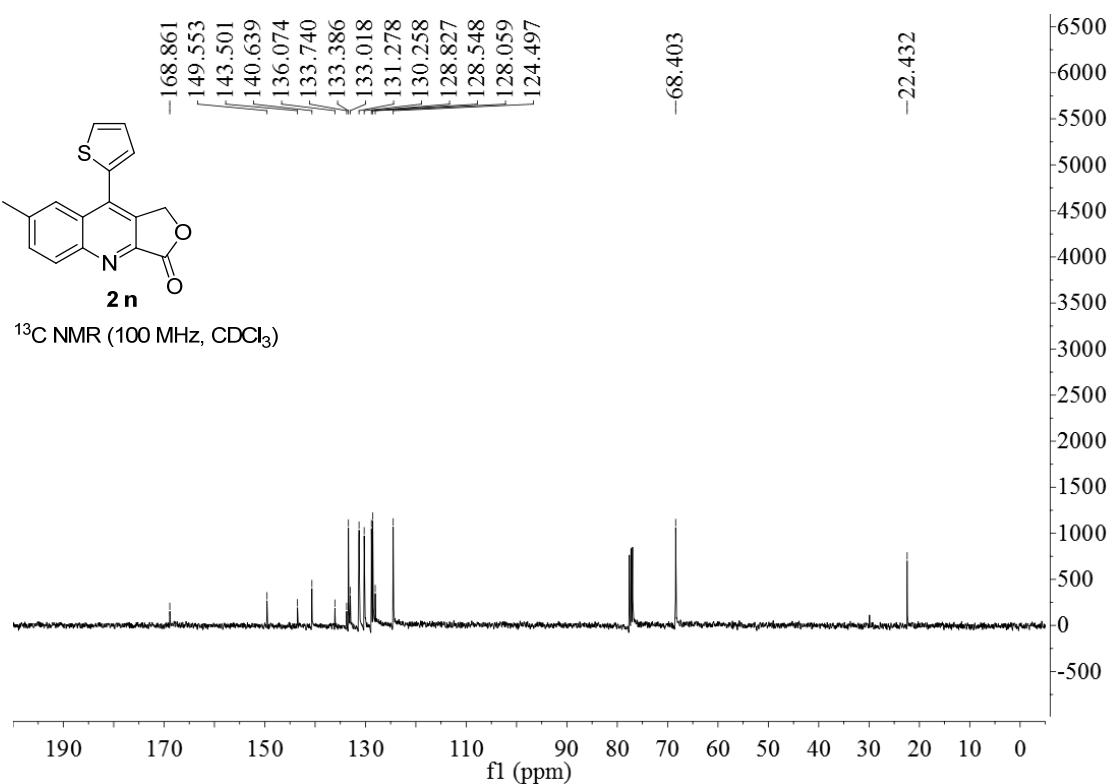
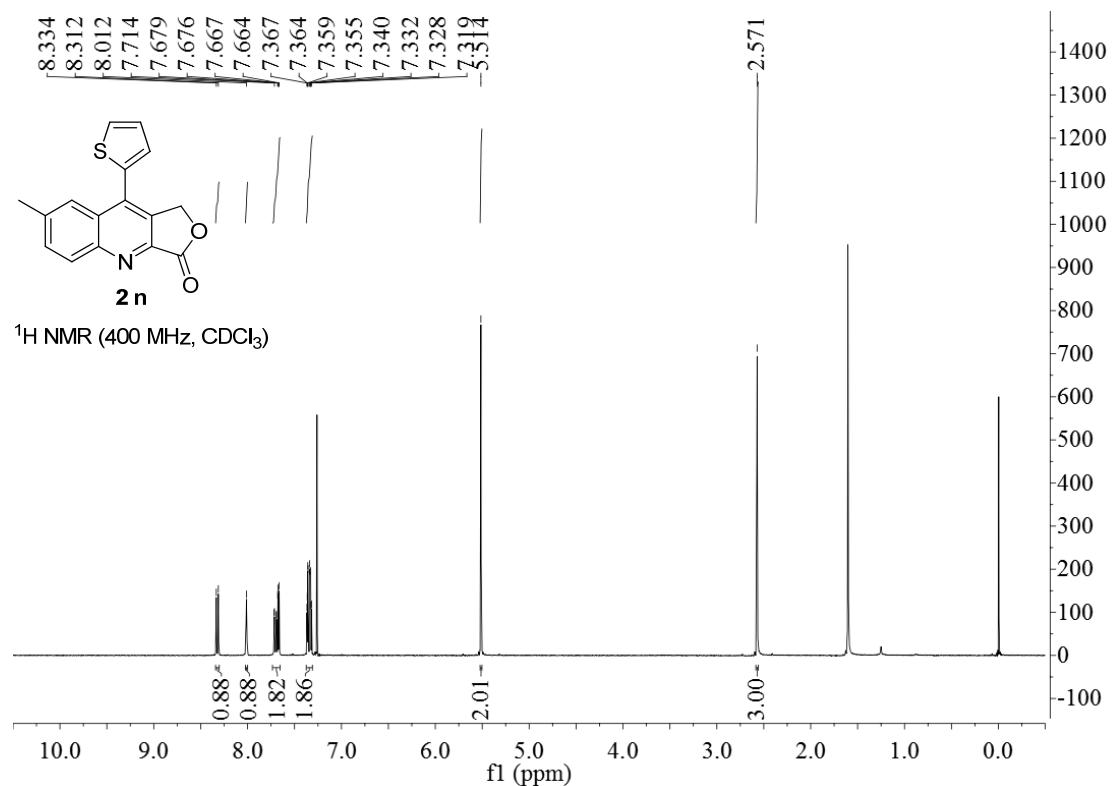
9-(4-Methoxyphenyl)-7-methylfuro[3,4-b]quinolin-3(1H)-one (2l)



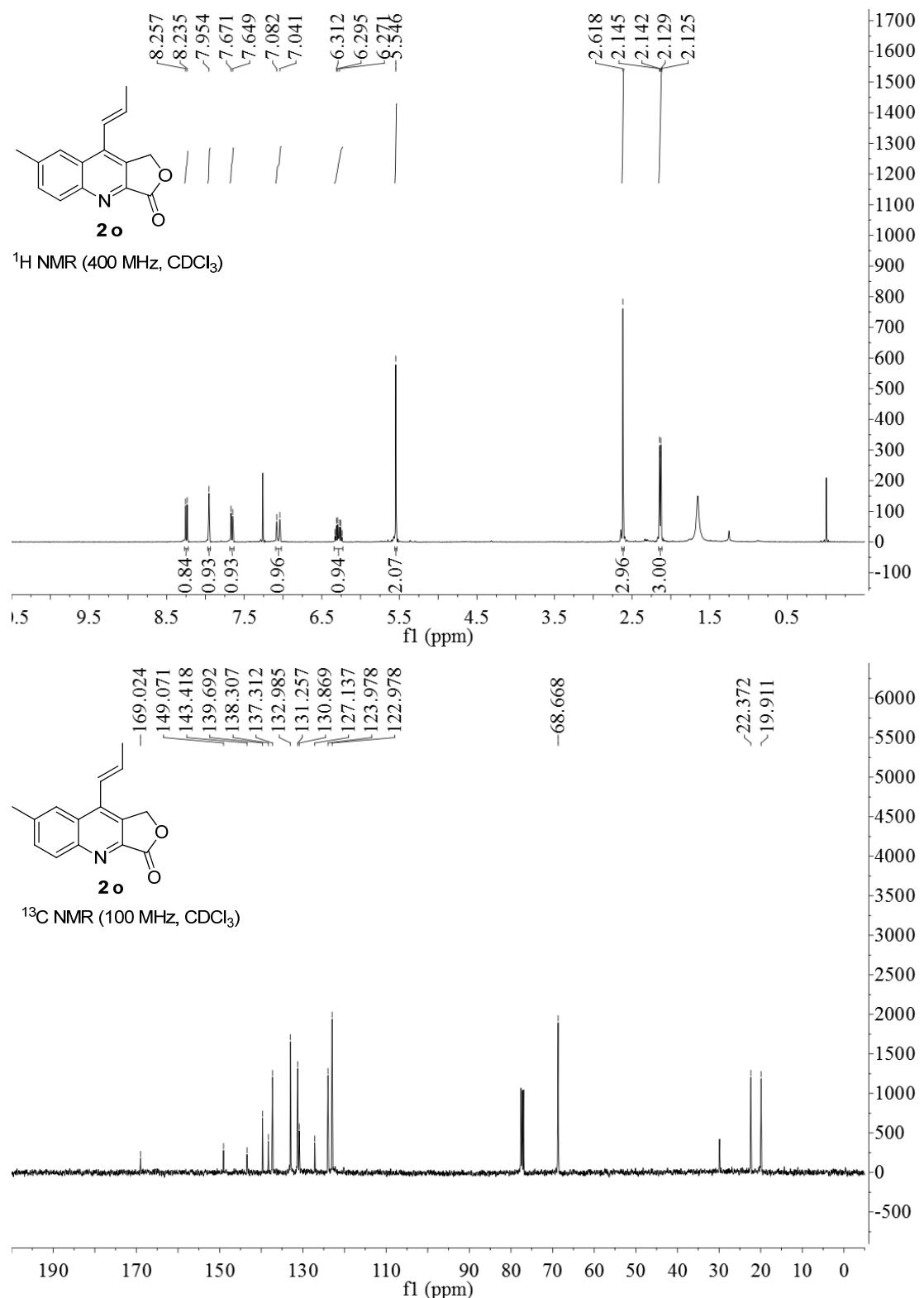
9-(2-Methoxyphenyl)-7-methylfuro[3,4-b]quinolin-3(1H)-one (2m)



7-Methyl-9-(thiophen-2-yl)furo[3,4-b]quinolin-3(1H)-one (2n)



(E)-7-Methyl-9-(prop-1-en-1-yl)furo[3,4-b]quinolin-3(1H)-one (2o)



(E)-7-Methyl-9-styrylfuro[3,4-b]quinolin-3(1H)-one (2p)

