

## Supporting Information

*for*

### **Gold(I)-Catalyzed Synthesis of 2-Substituted Indoles from 2-Alkynylnitroarenes with Diboron as Reductant**

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Engineering at Huaqiao University, 668 Jimei Blvd, Xiamen, Fujian, 361021, P. R.

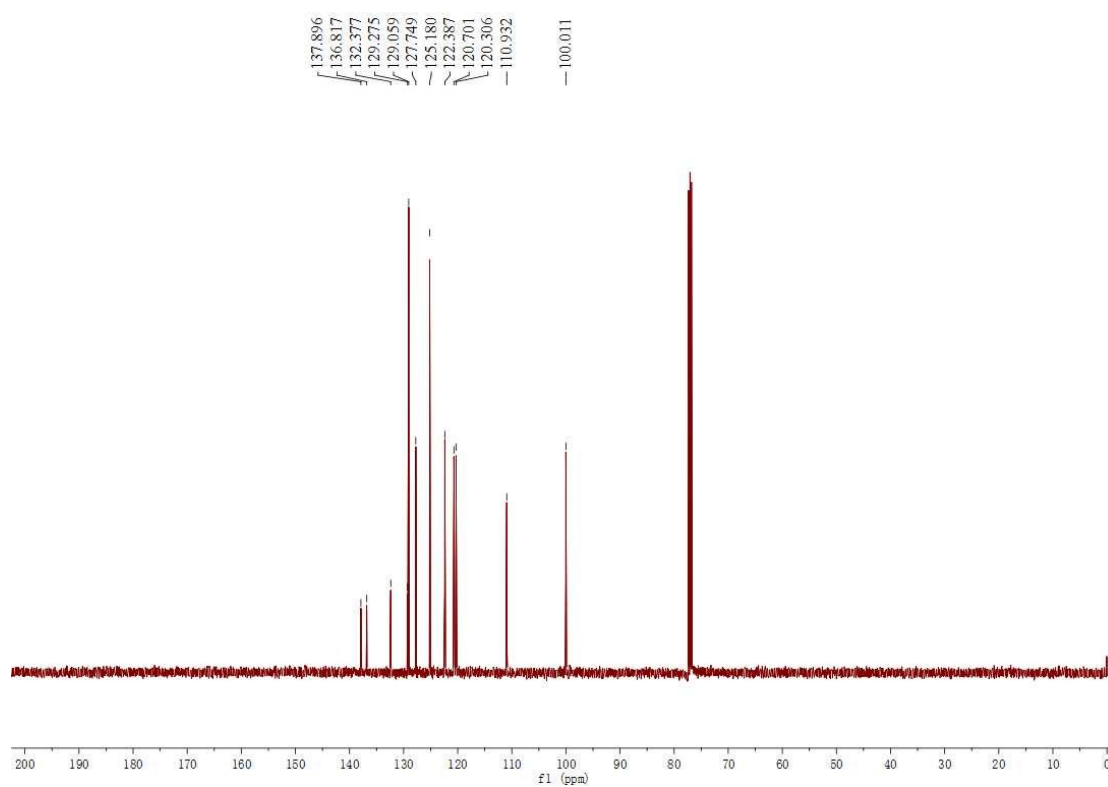
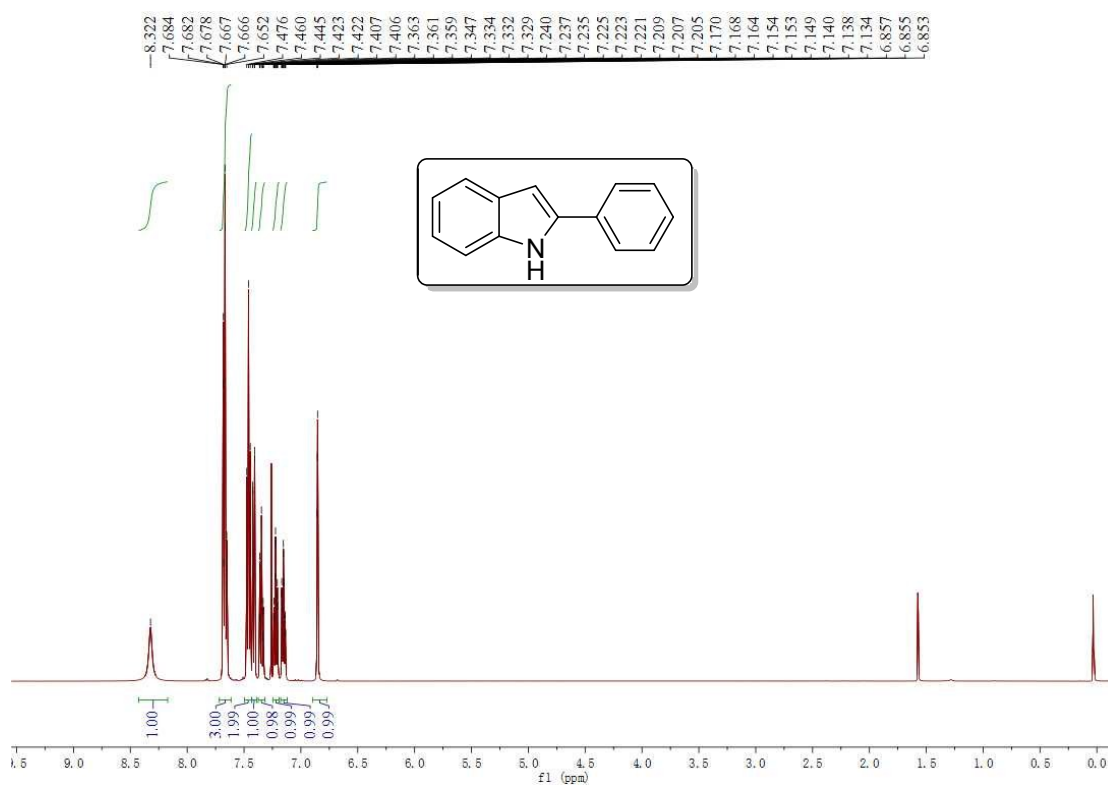
China

Fax: 86-592-6162990; email: [qsong@hqu.edu.cn](mailto:qsong@hqu.edu.cn)

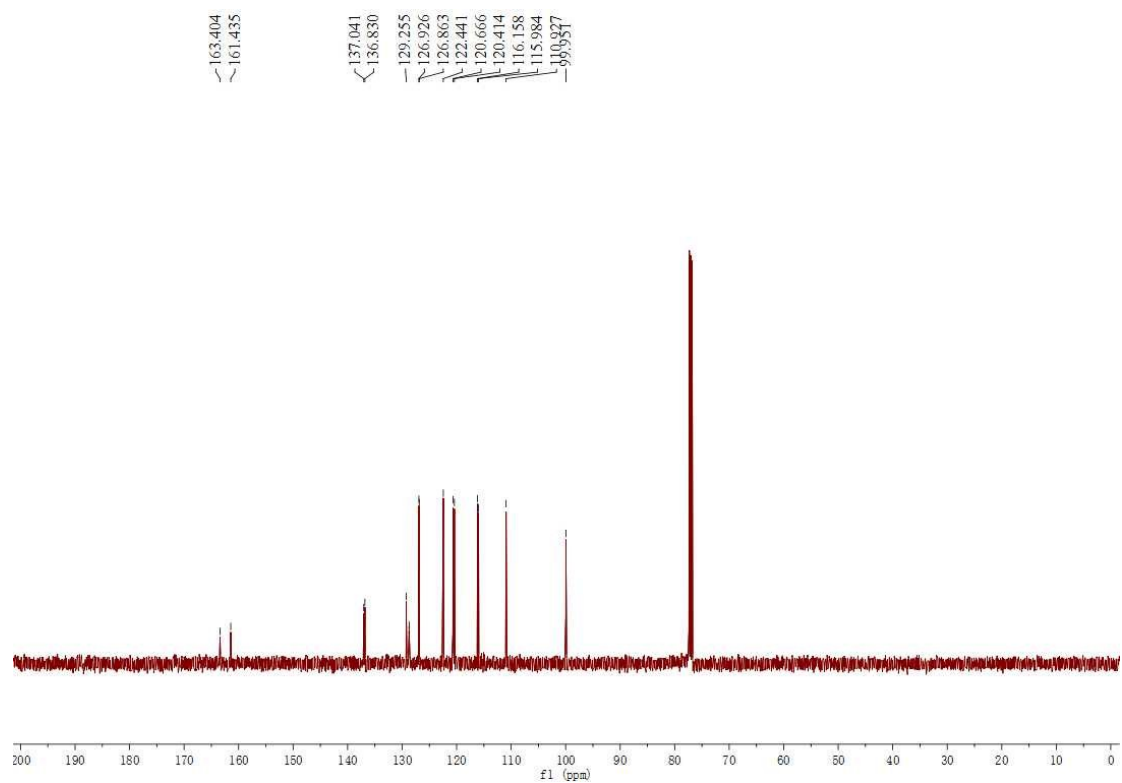
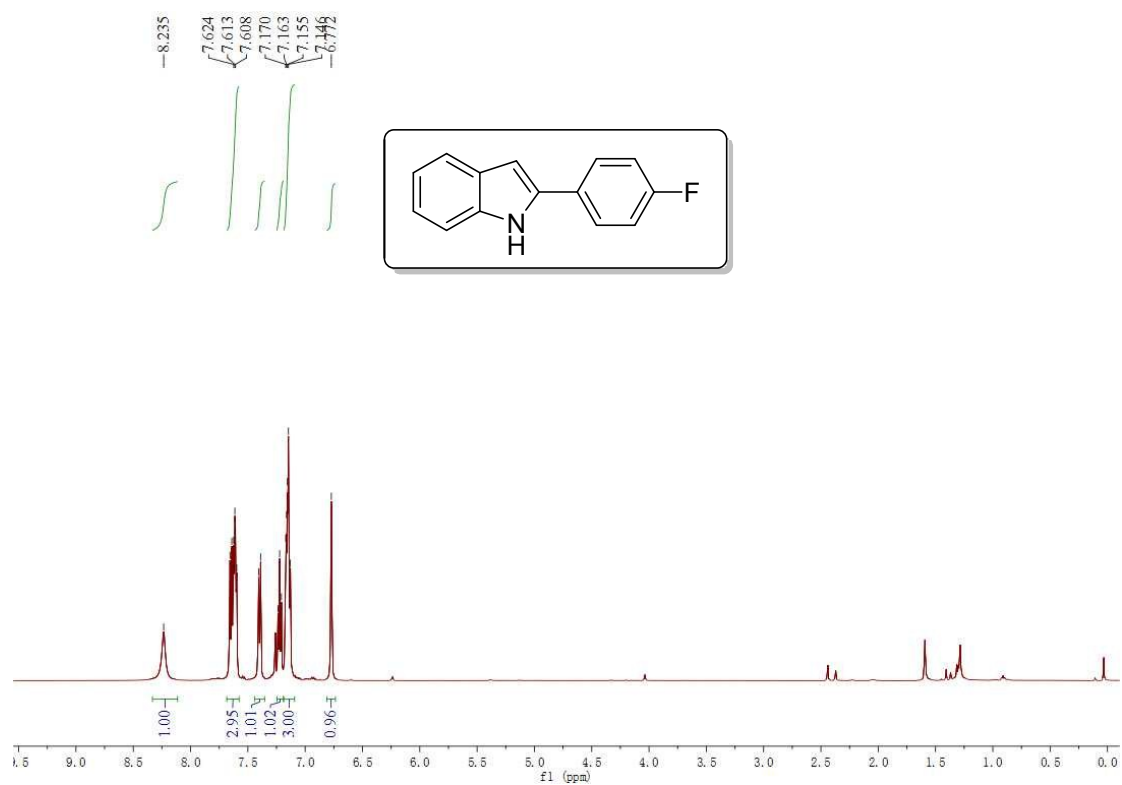
<sup>b</sup> Quanzhou Jersey Biosciences, Quanzhou, Fujian, 362200, P. R. China

# NMR spectroscopic data

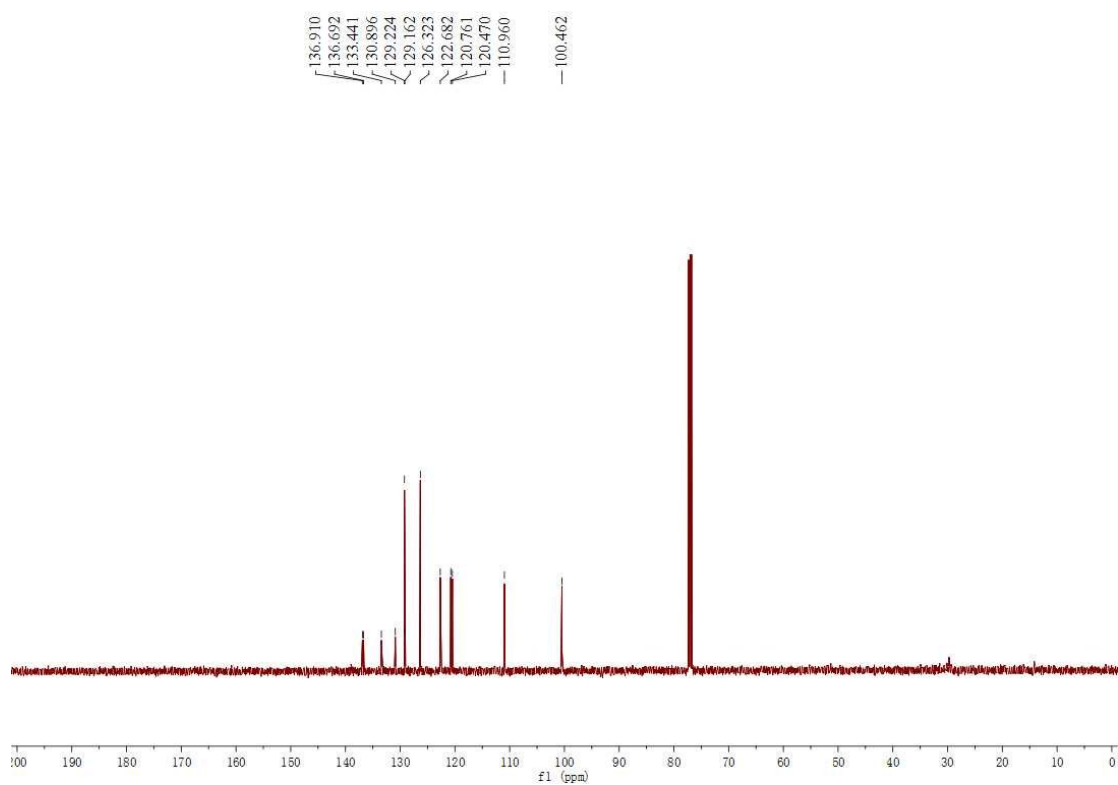
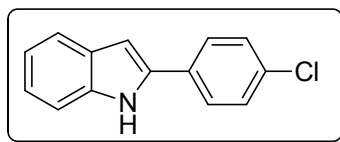
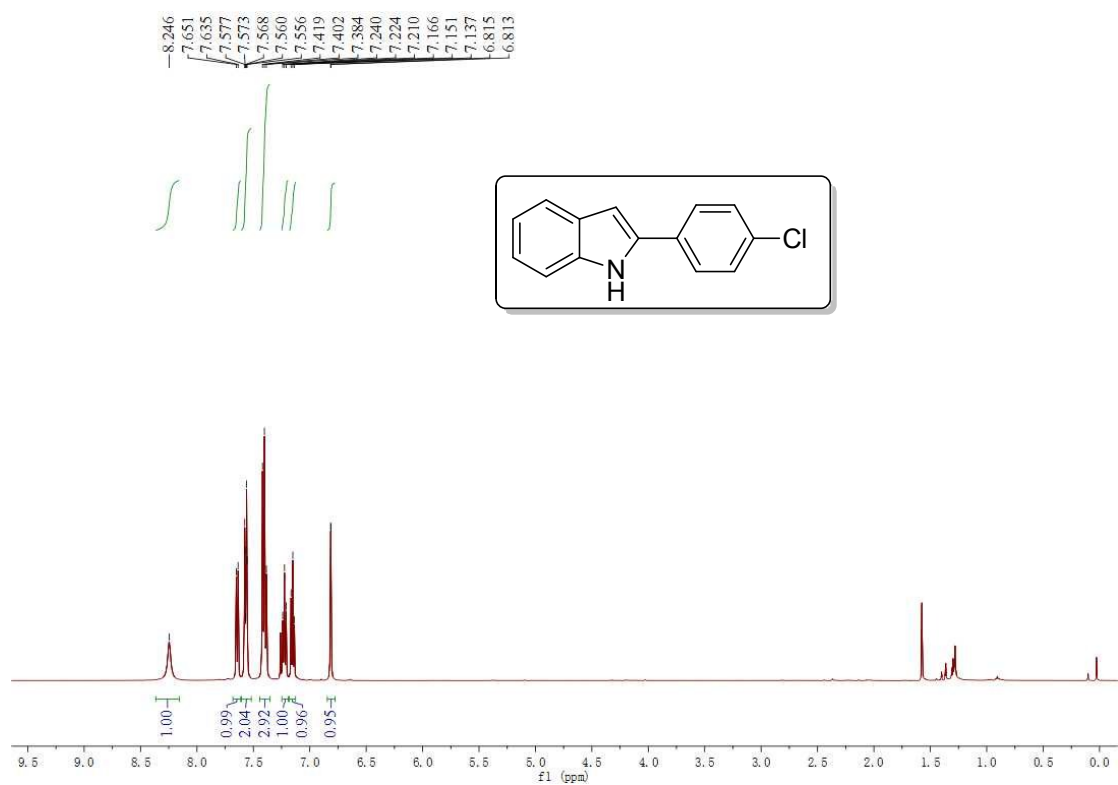
## 2-phenyl-1H-indole (2a)



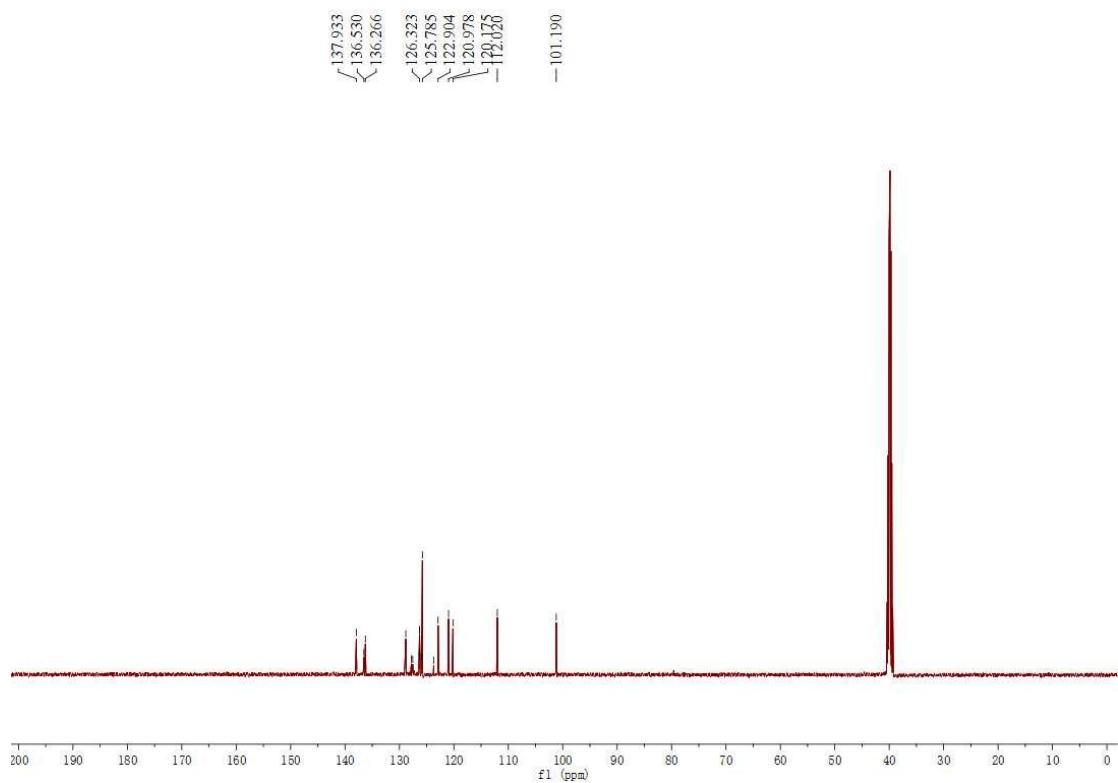
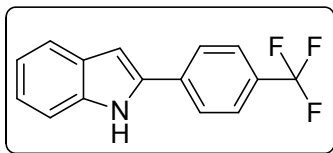
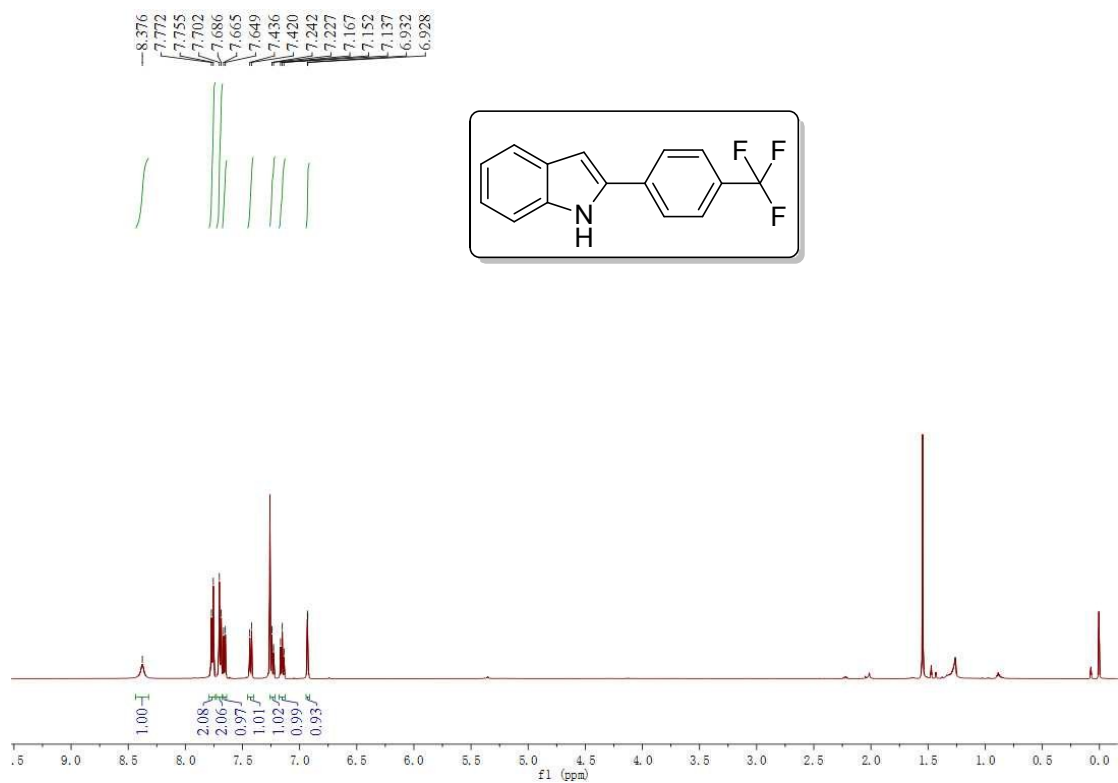
## 2-(4-fluorophenyl)-1H-indole (2b)



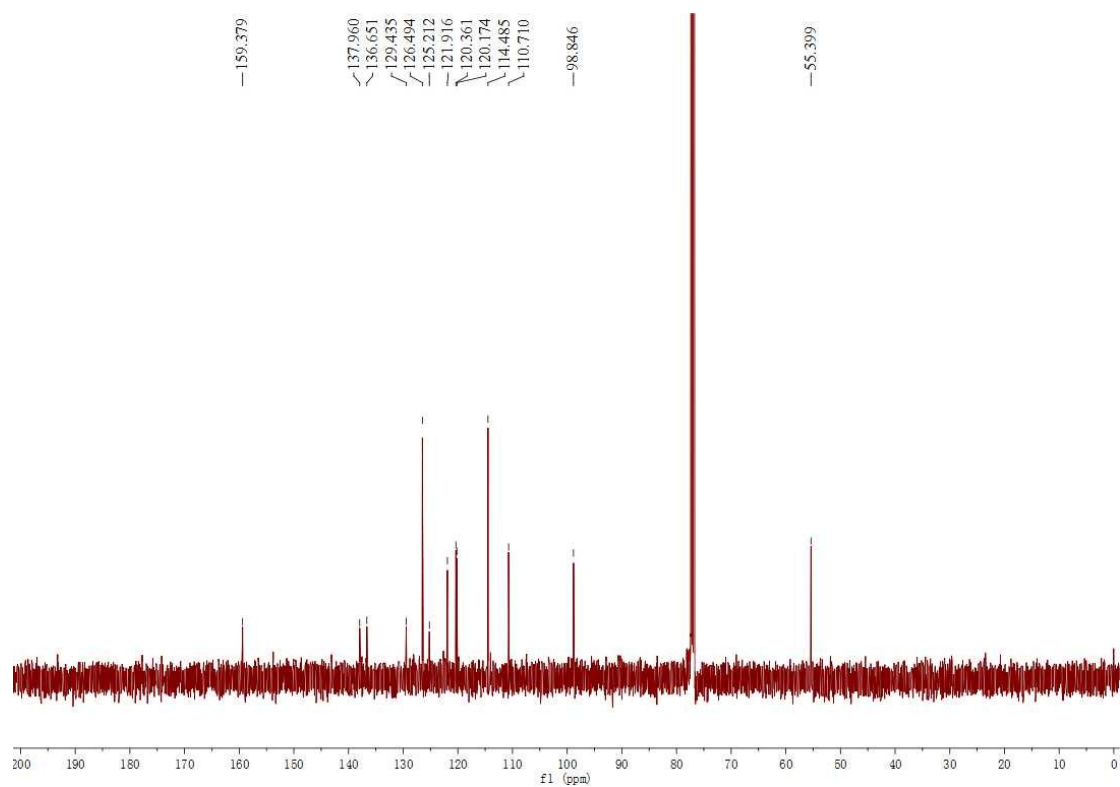
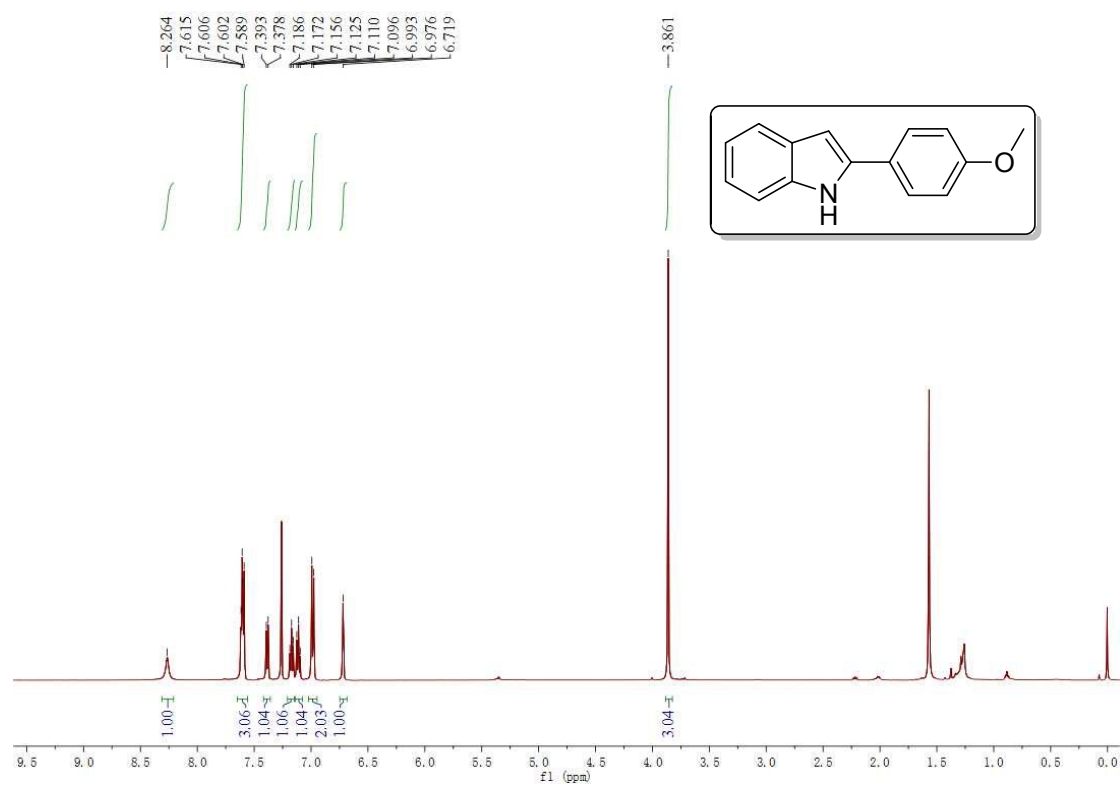
## 2-(4-chlorophenyl)-1H-indole (2c)



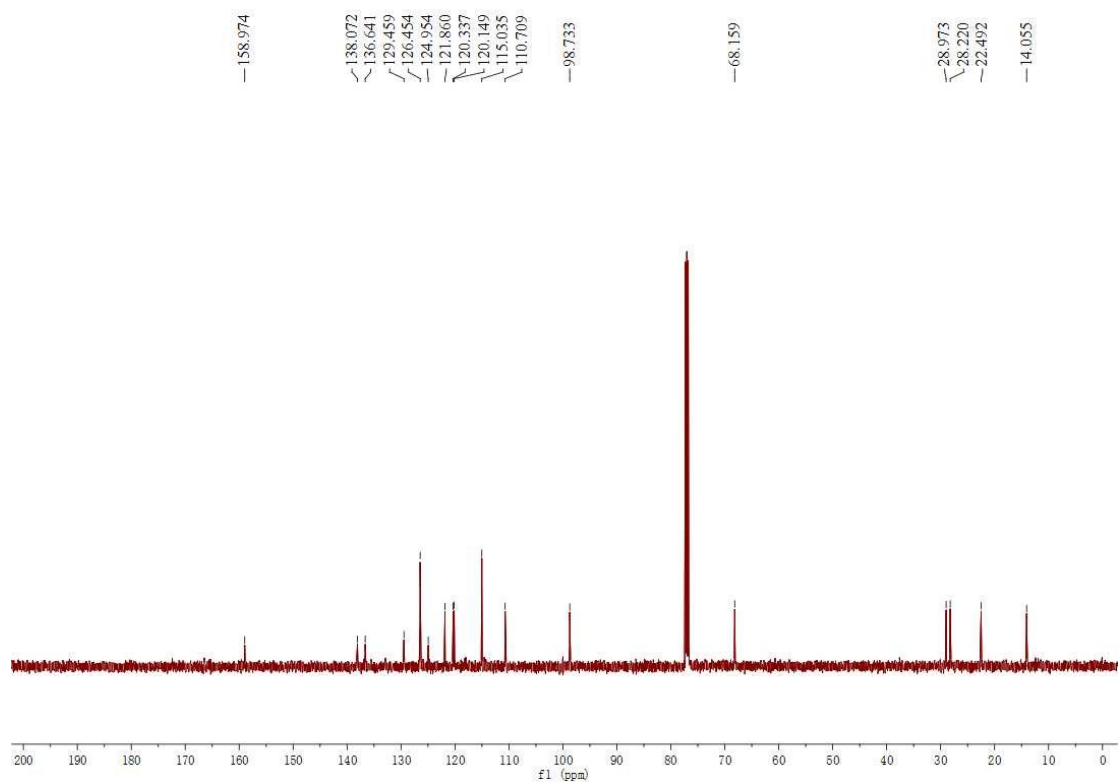
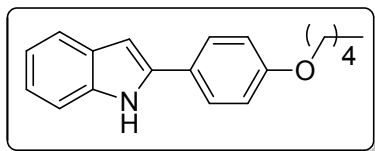
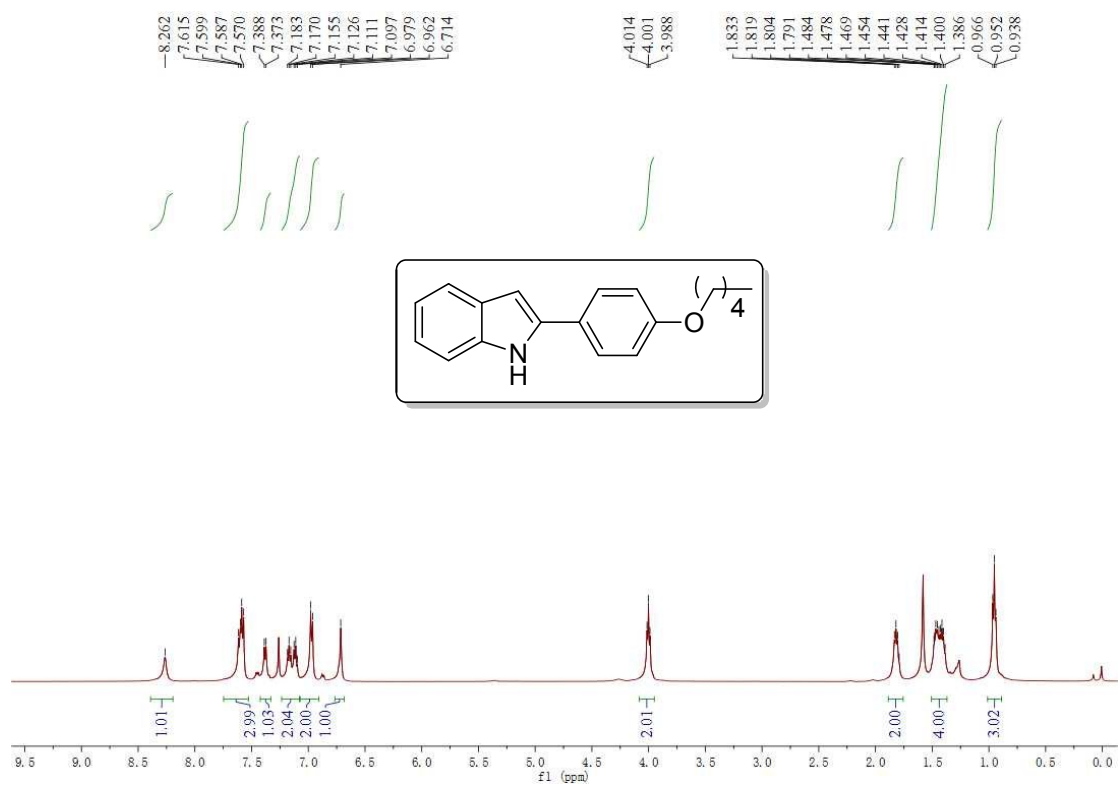
## 2-(4-(trifluoromethyl)phenyl)-1H-indole (2d)



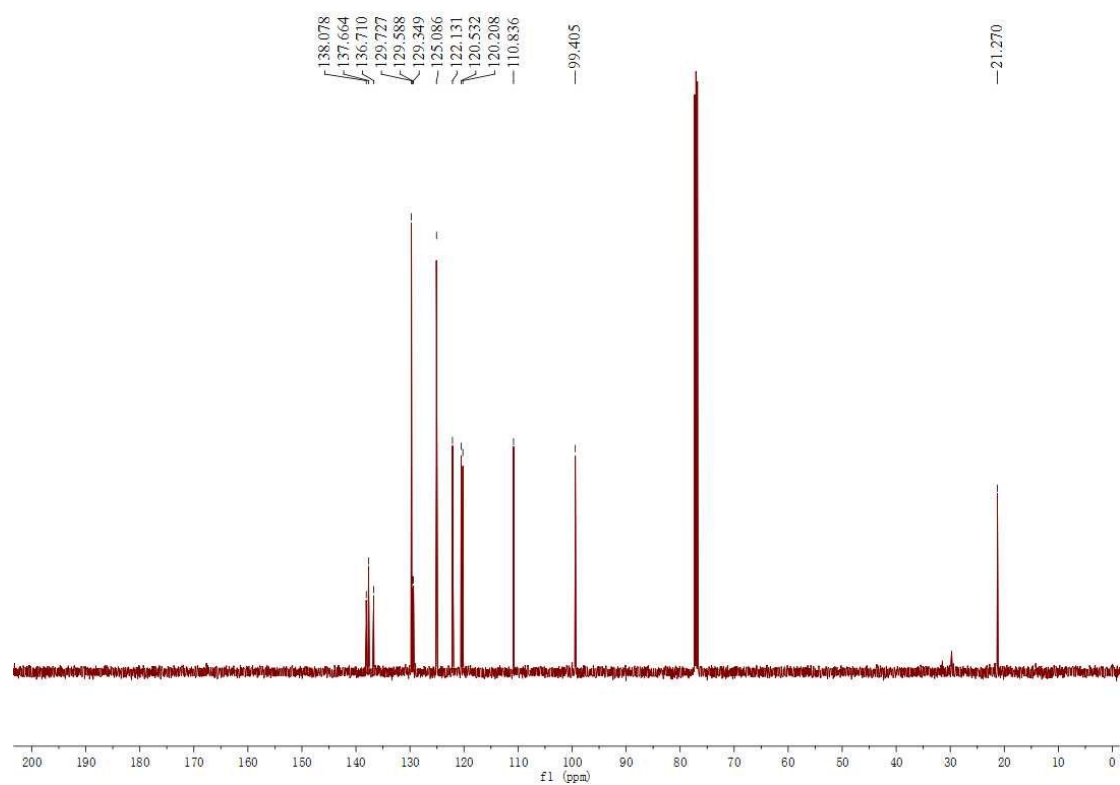
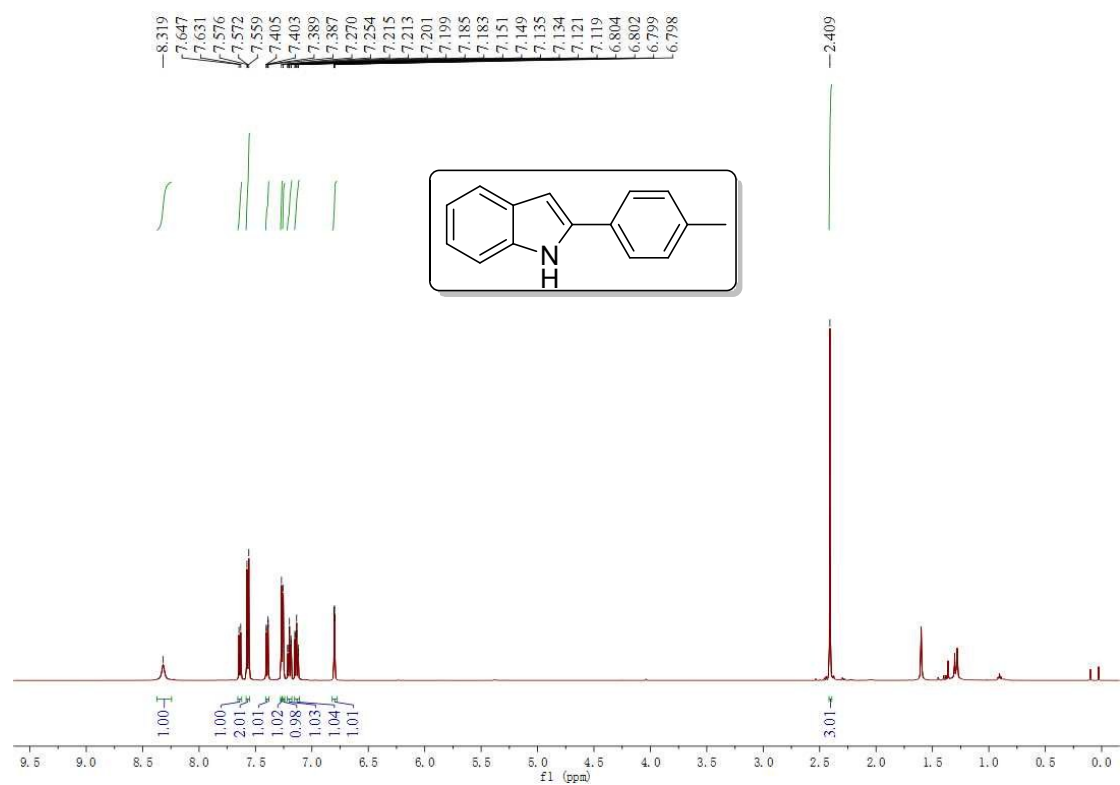
## 2-(4-methoxyphenyl)-1H-indole (2e)



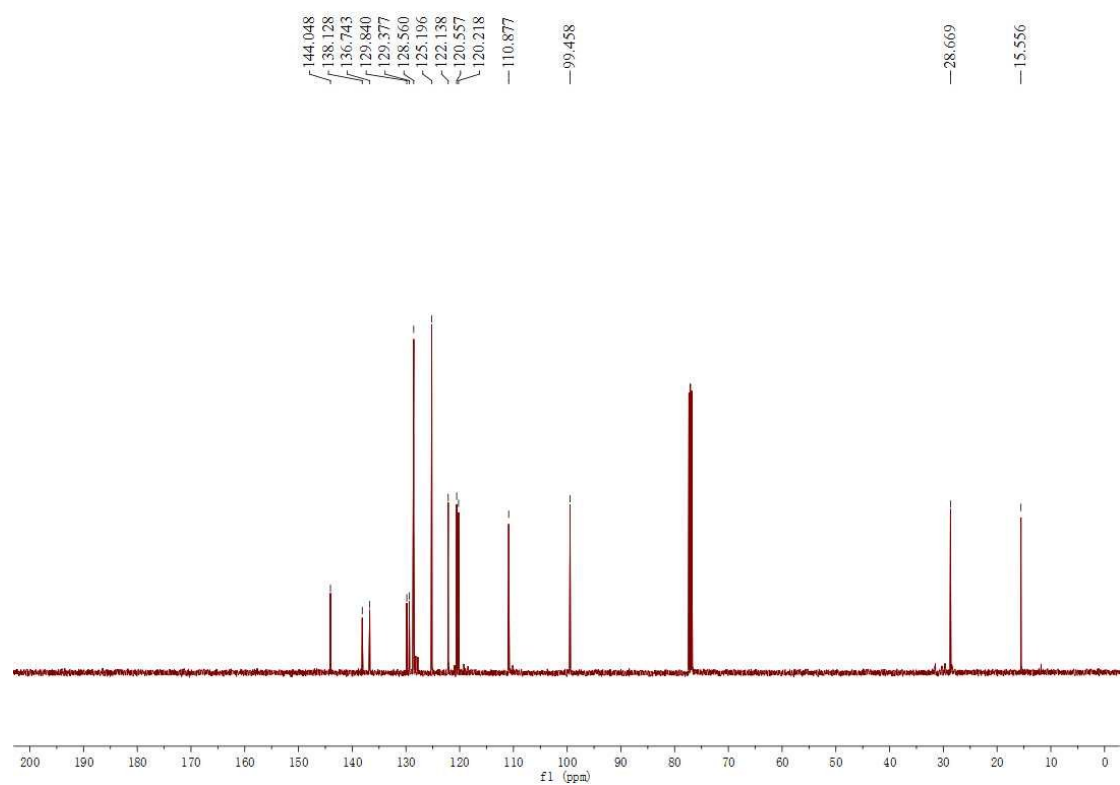
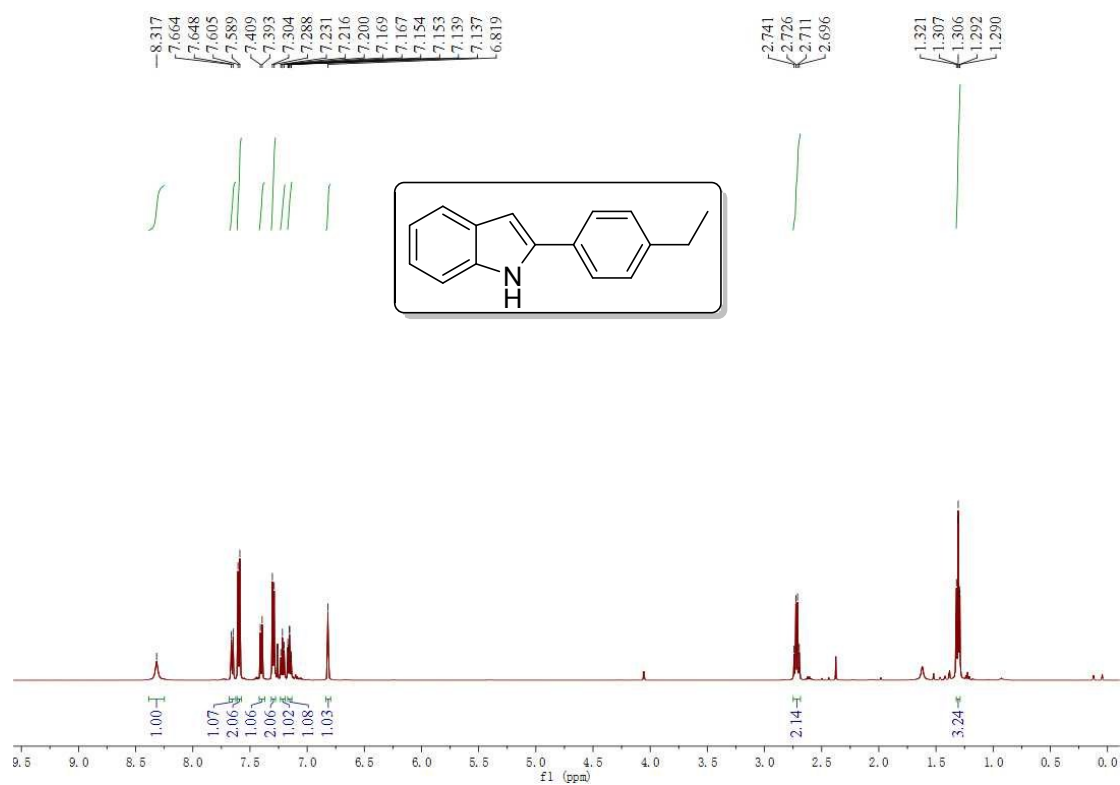
## 2-(4-(pentyloxy)phenyl)-1H-indole (2f)



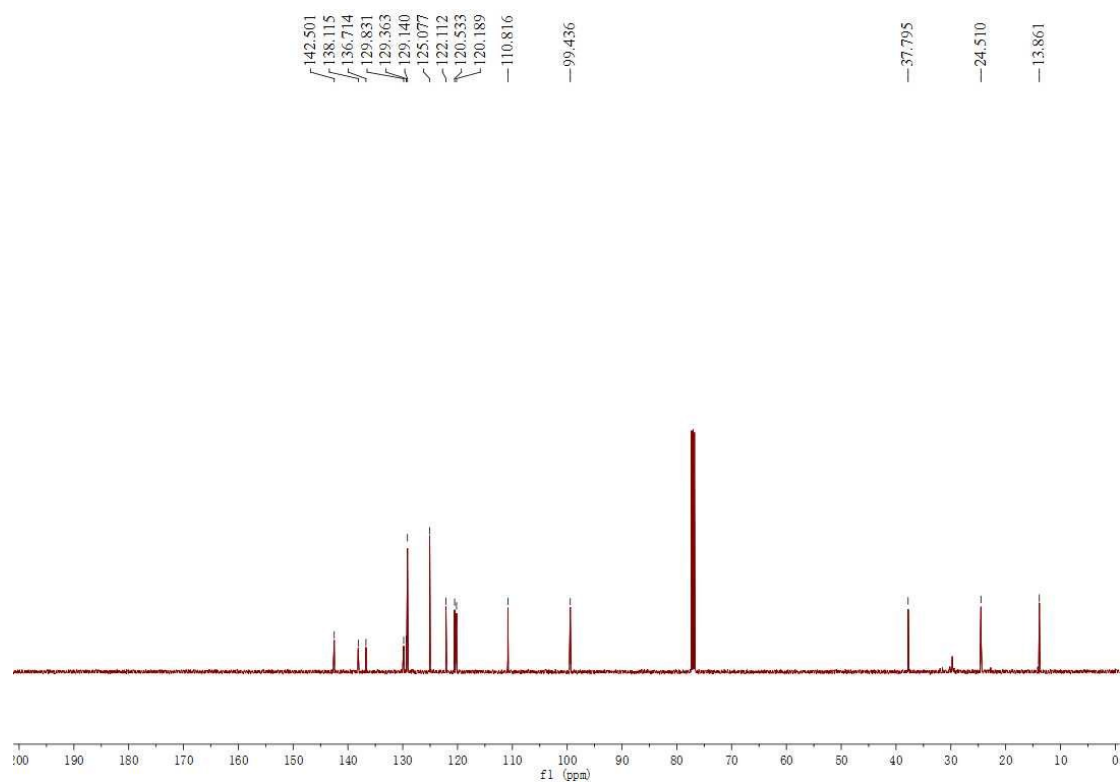
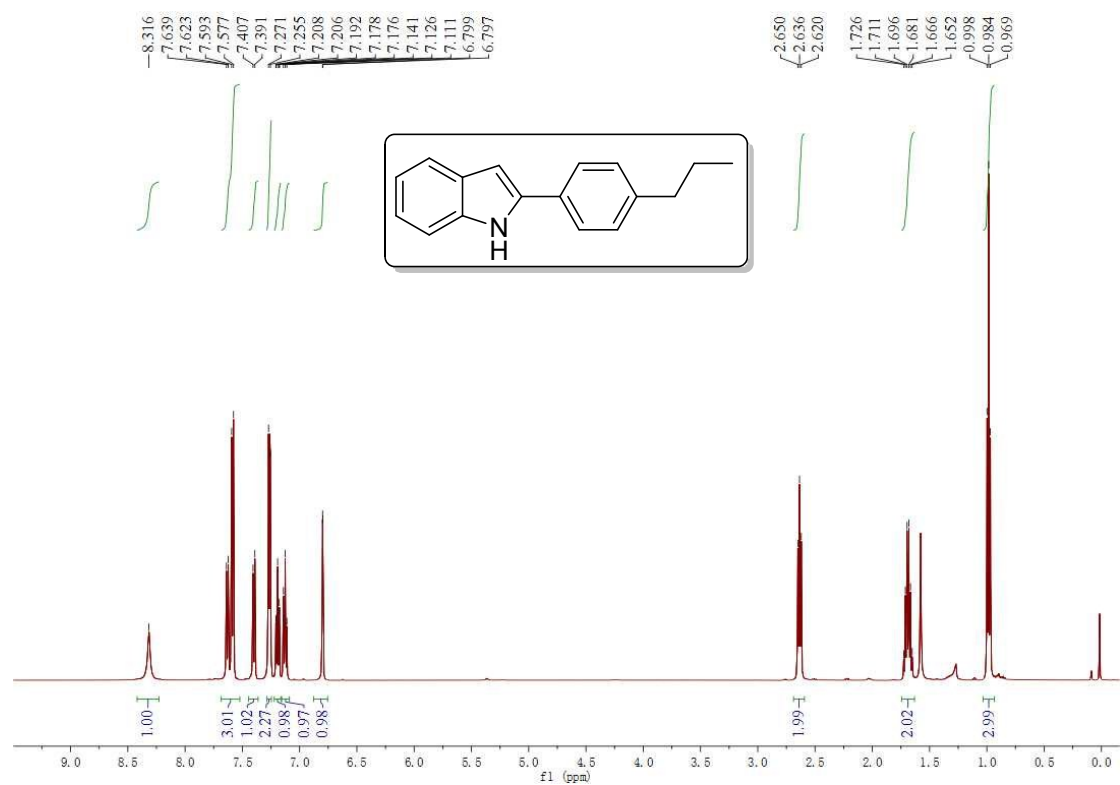
## 2-(p-tolyl)-1H-indole (2g)



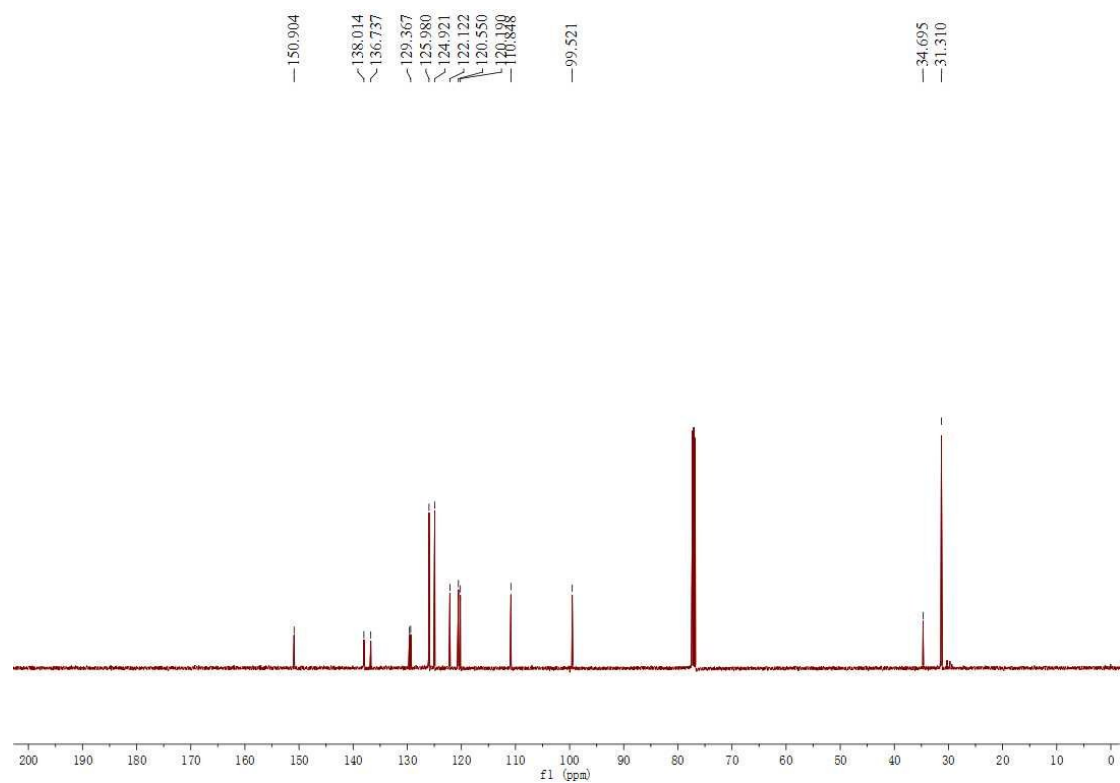
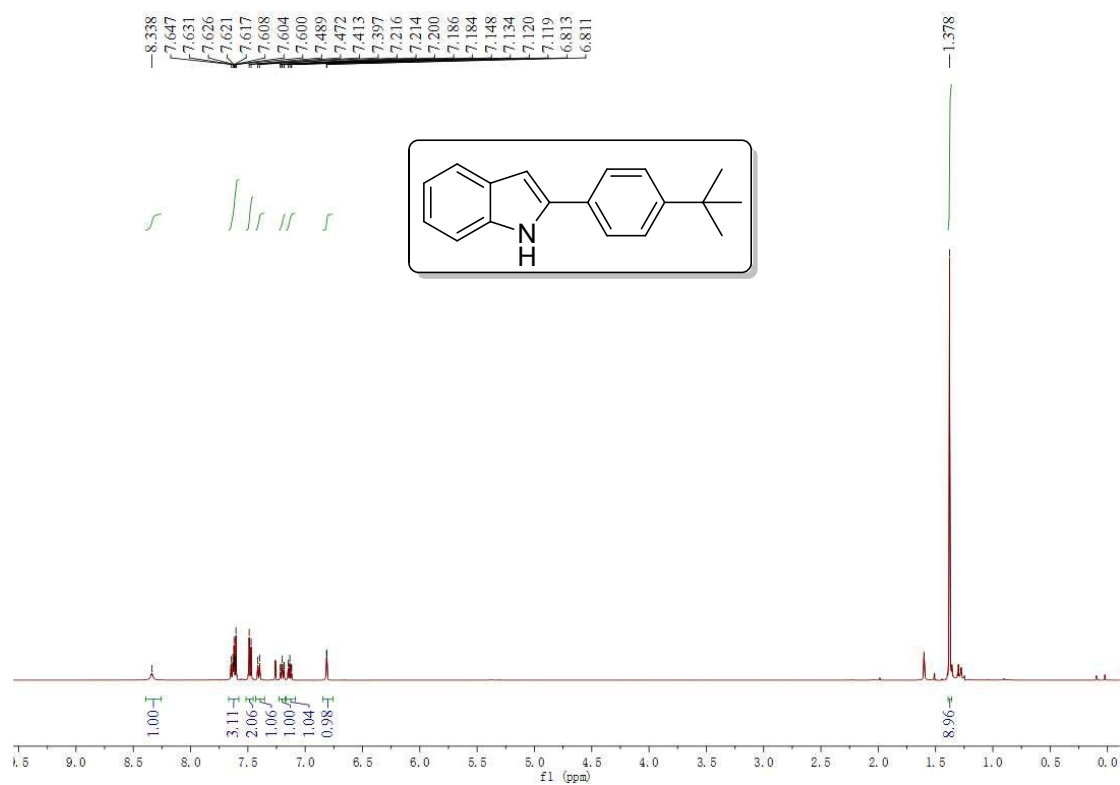
## 2-(4-ethylphenyl)-1H-indole (2h)



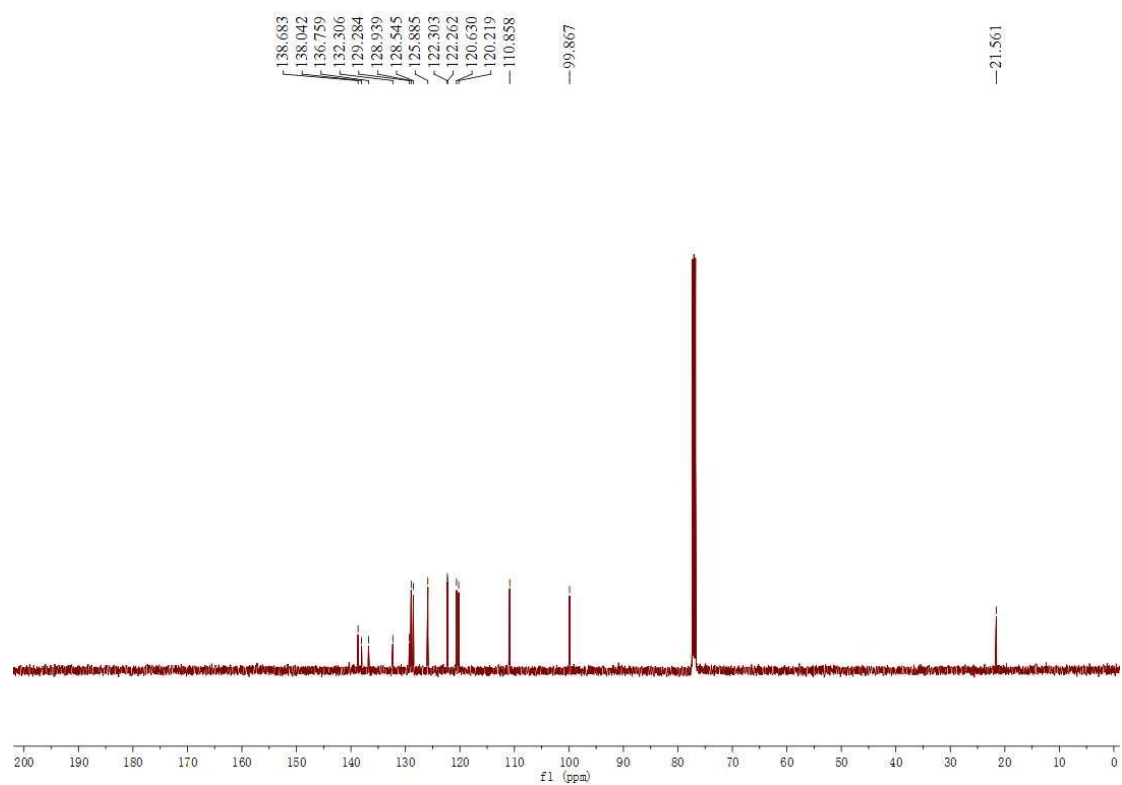
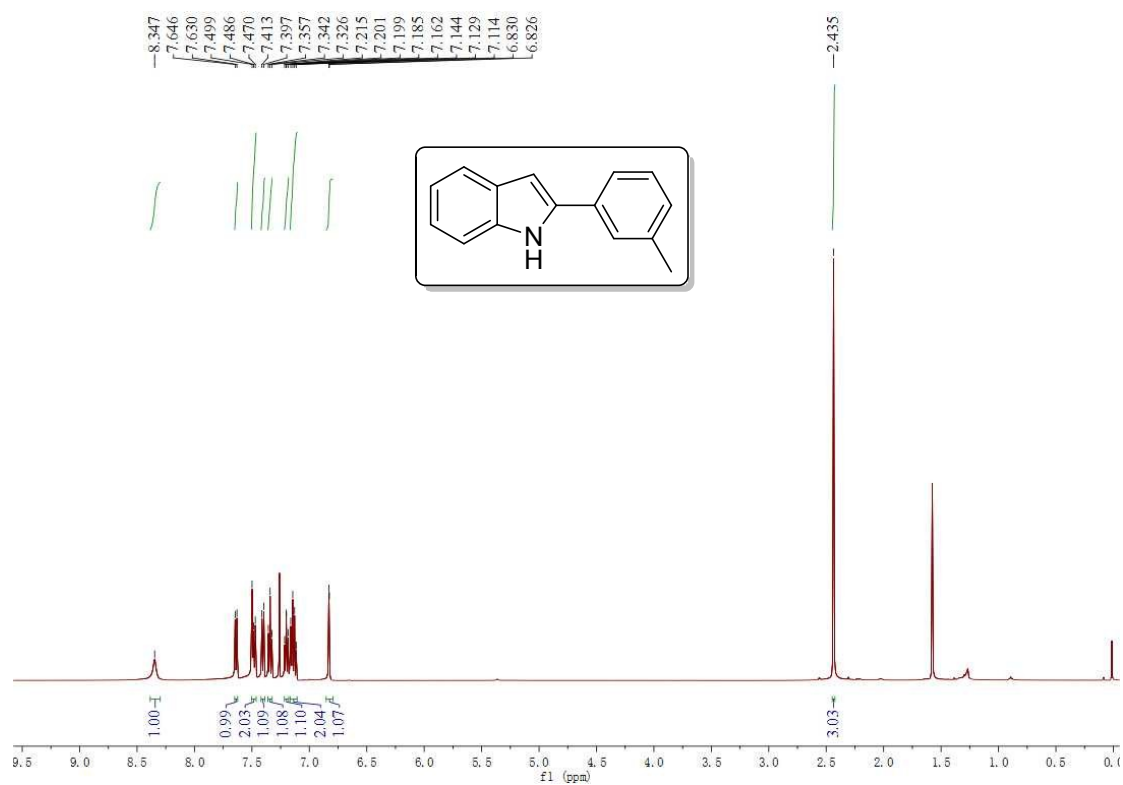
## 2-(4-propylphenyl)-1H-indole (2i)



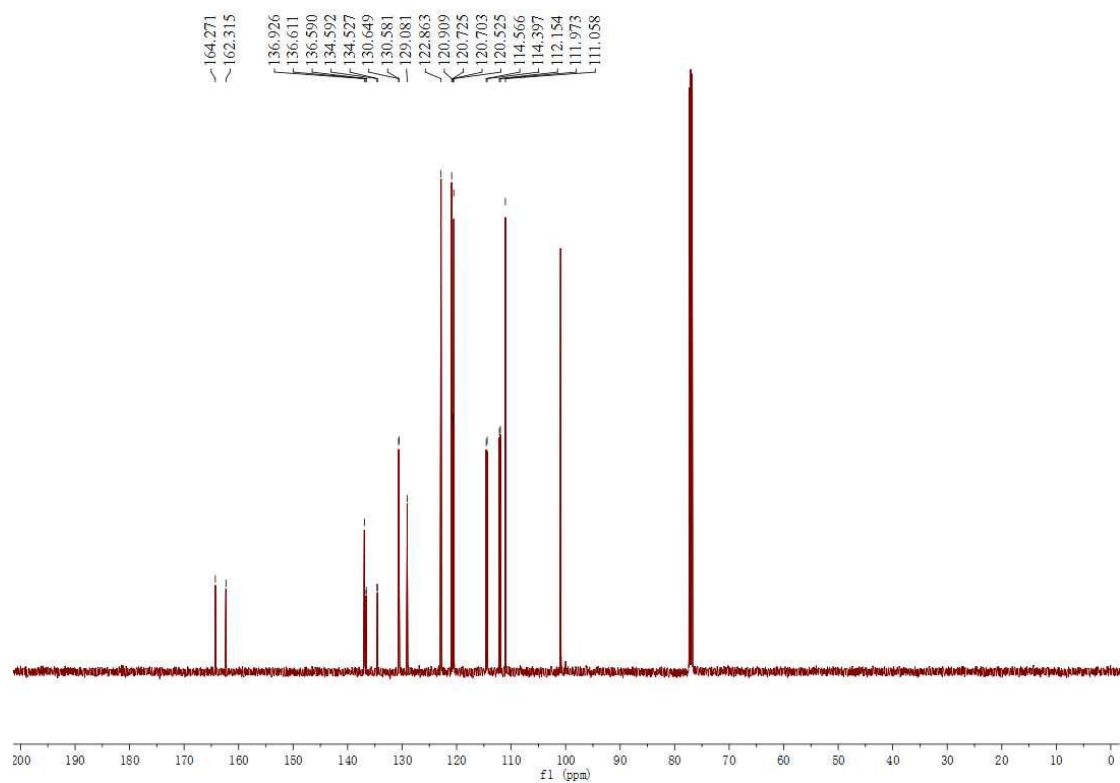
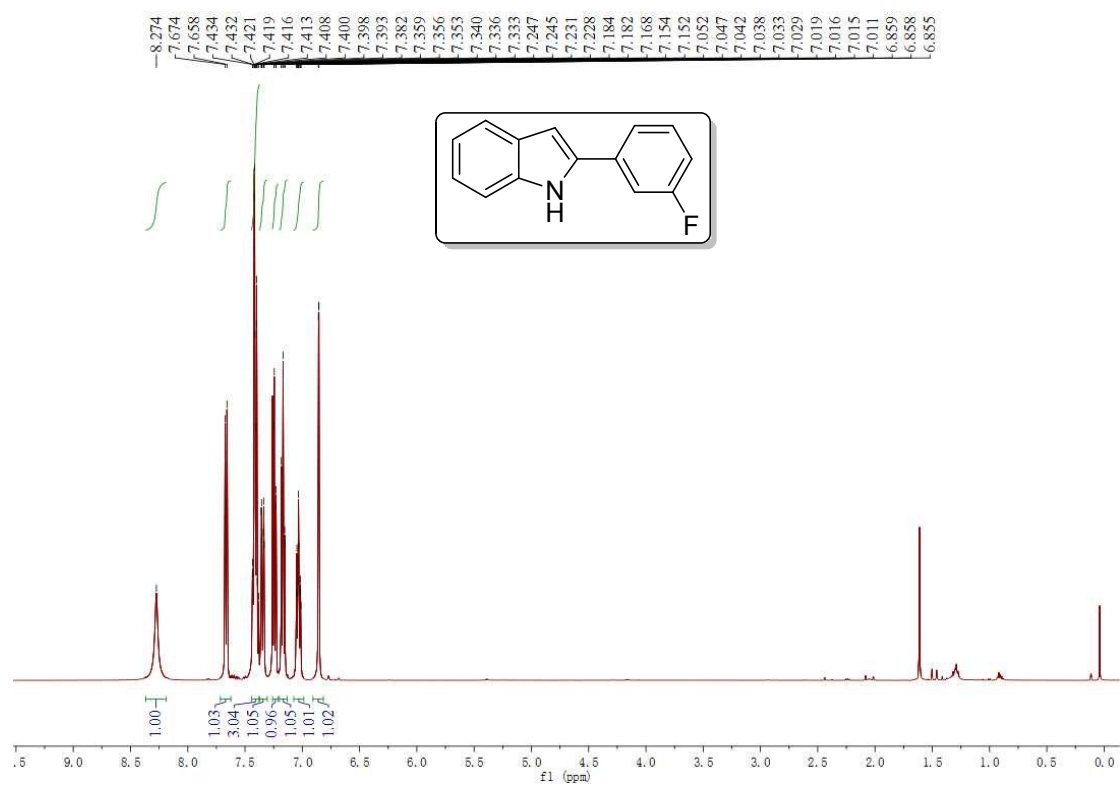
## 2-(4-(tert-butyl)phenyl)-1H-indole (2j)



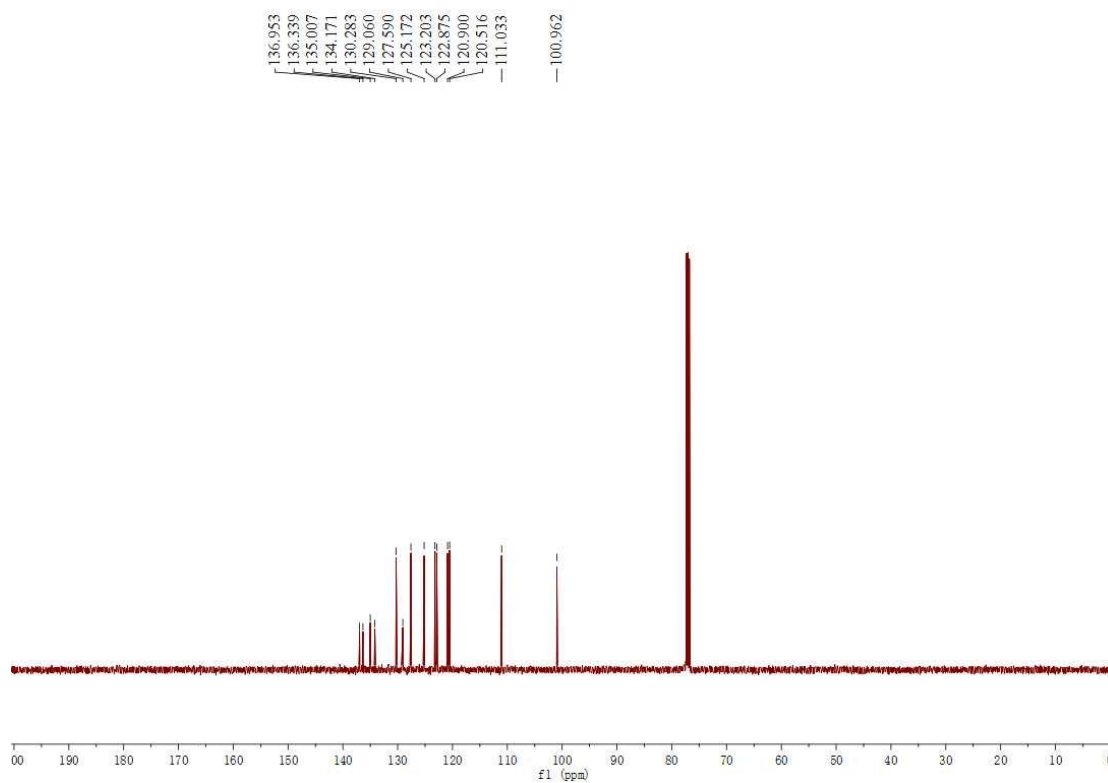
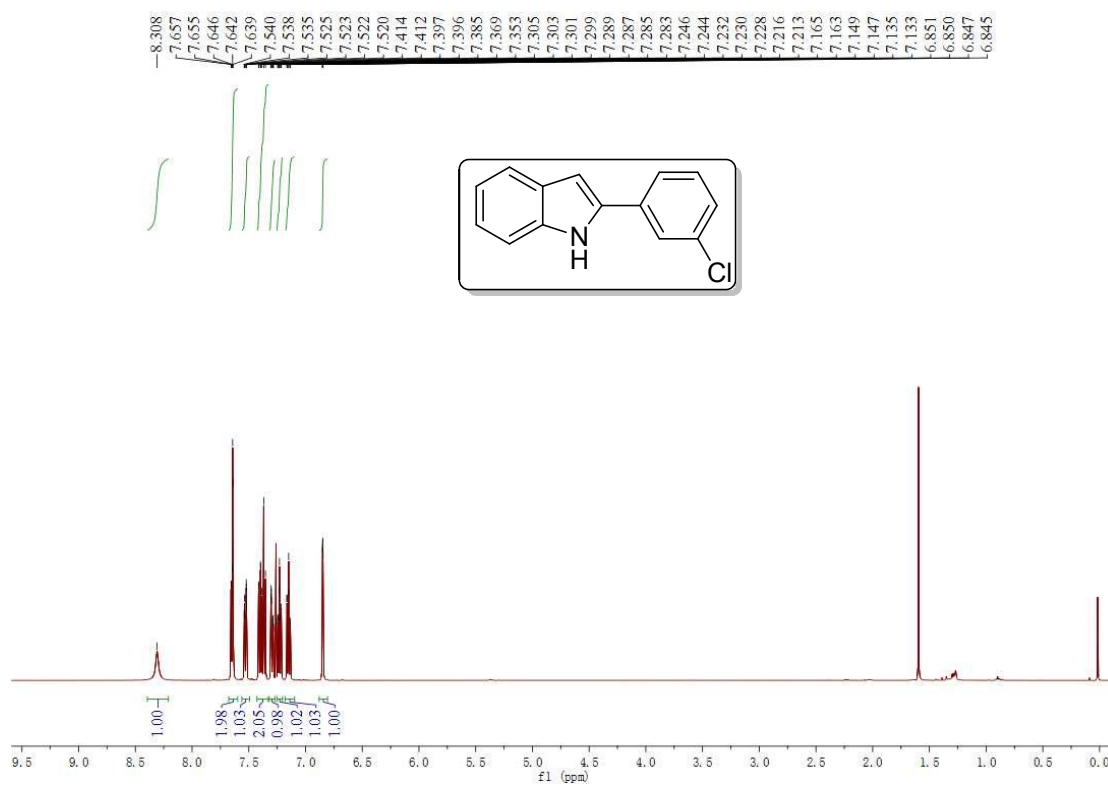
## 2-(m-tolyl)-1H-indole (2k)



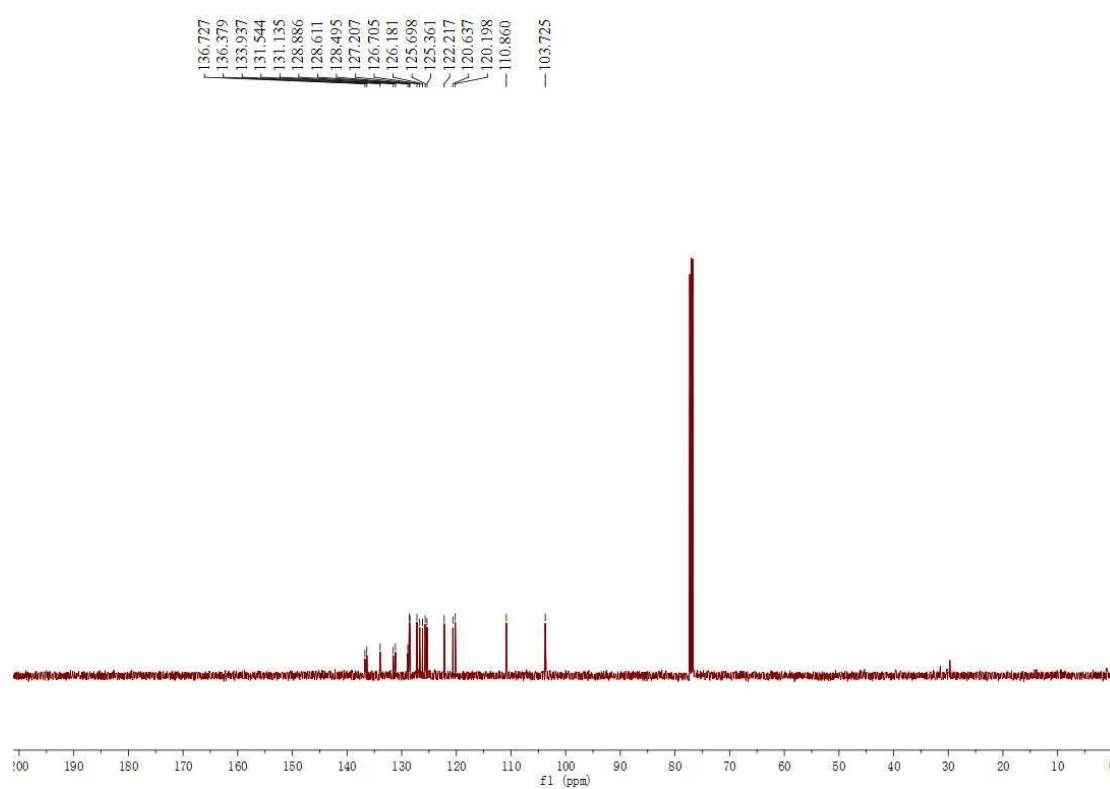
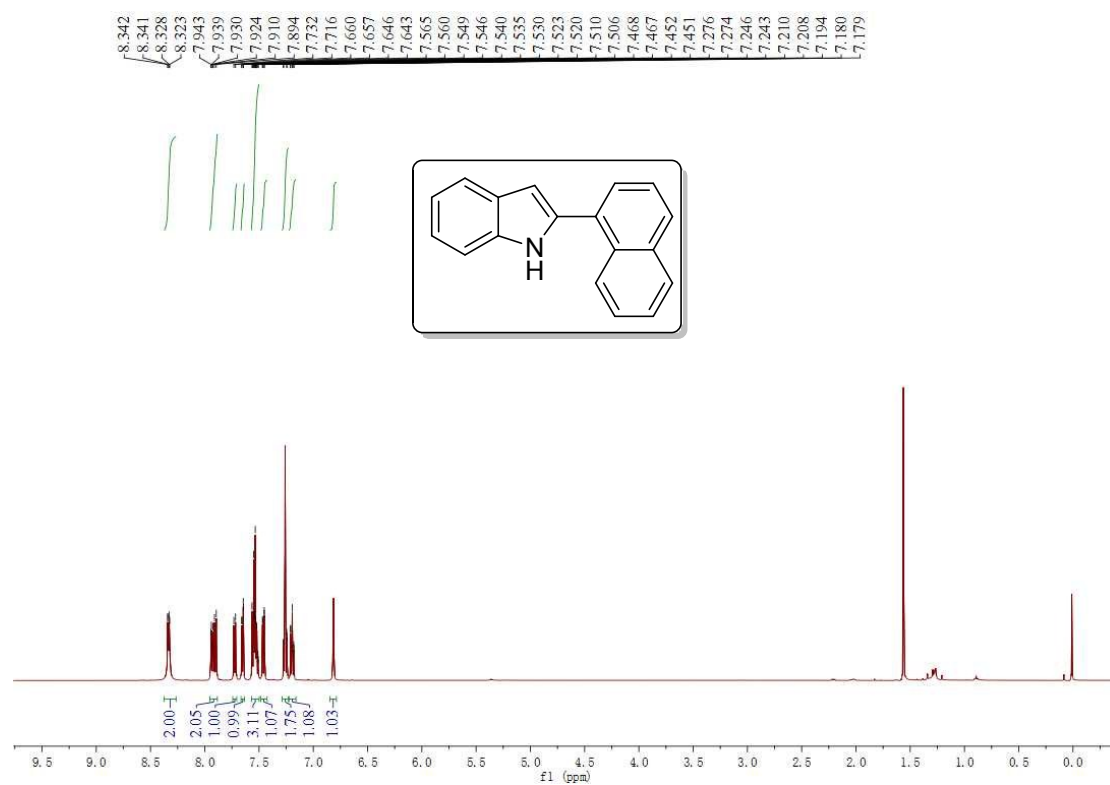
## 2-(3-fluorophenyl)-1H-indole (2l)



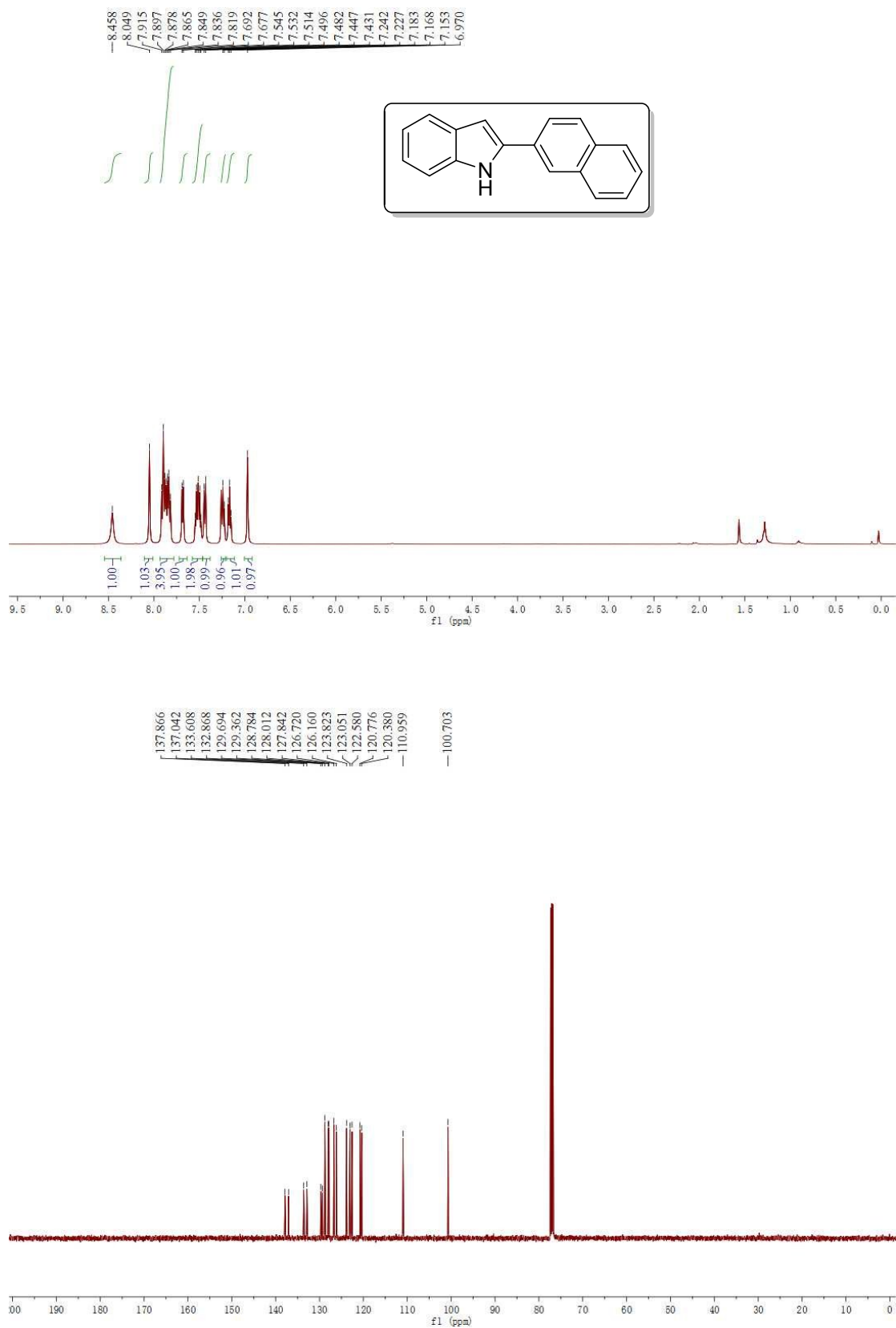
## 2-(3-chlorophenyl)-1H-indole (2m)



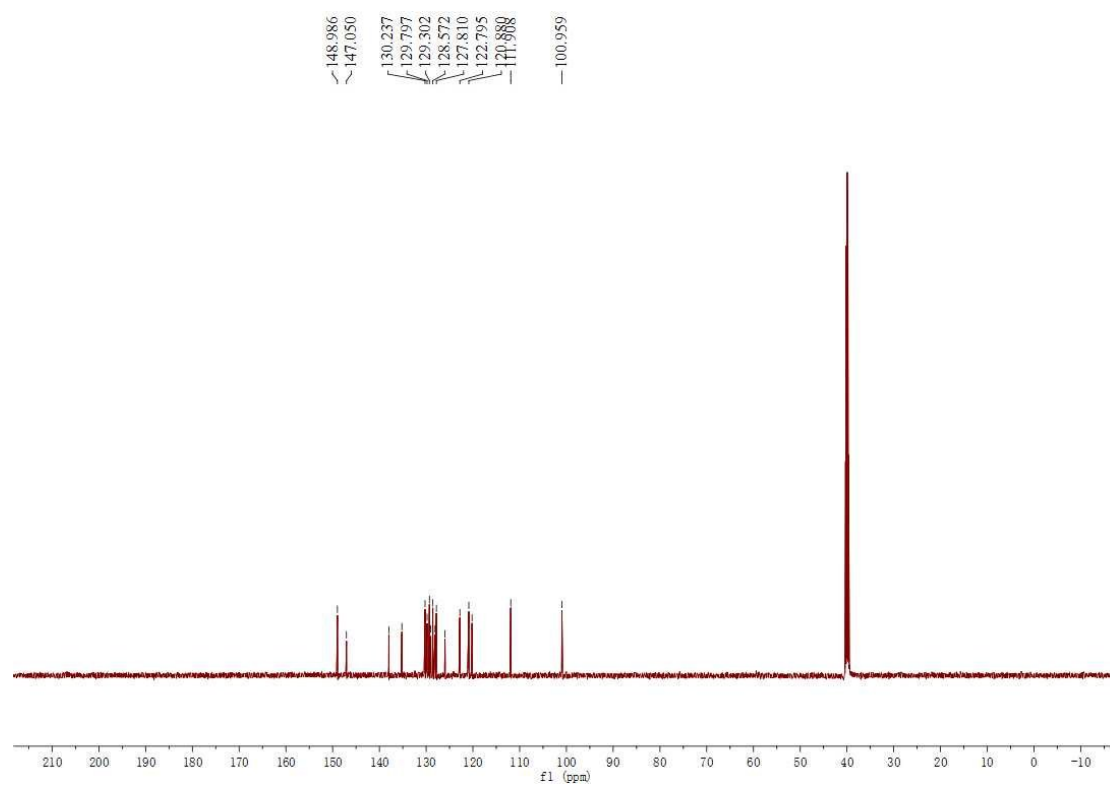
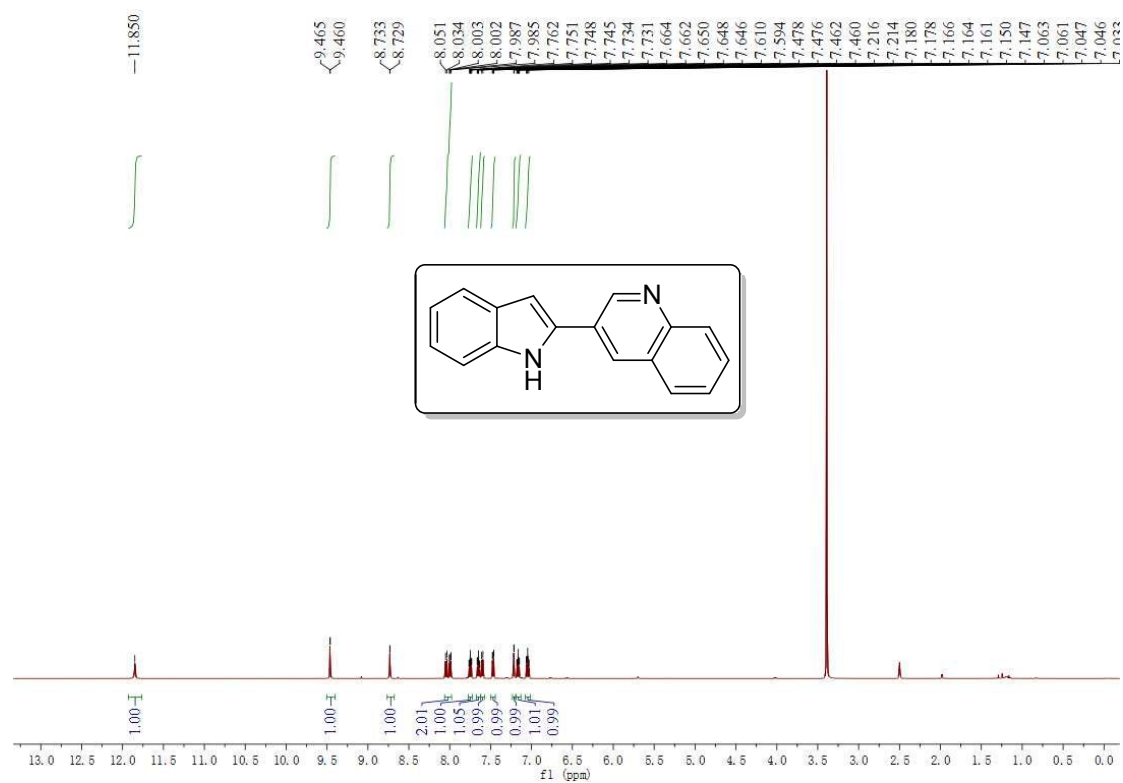
## 2-(naphthalen-1-yl)-1H-indole (2n)



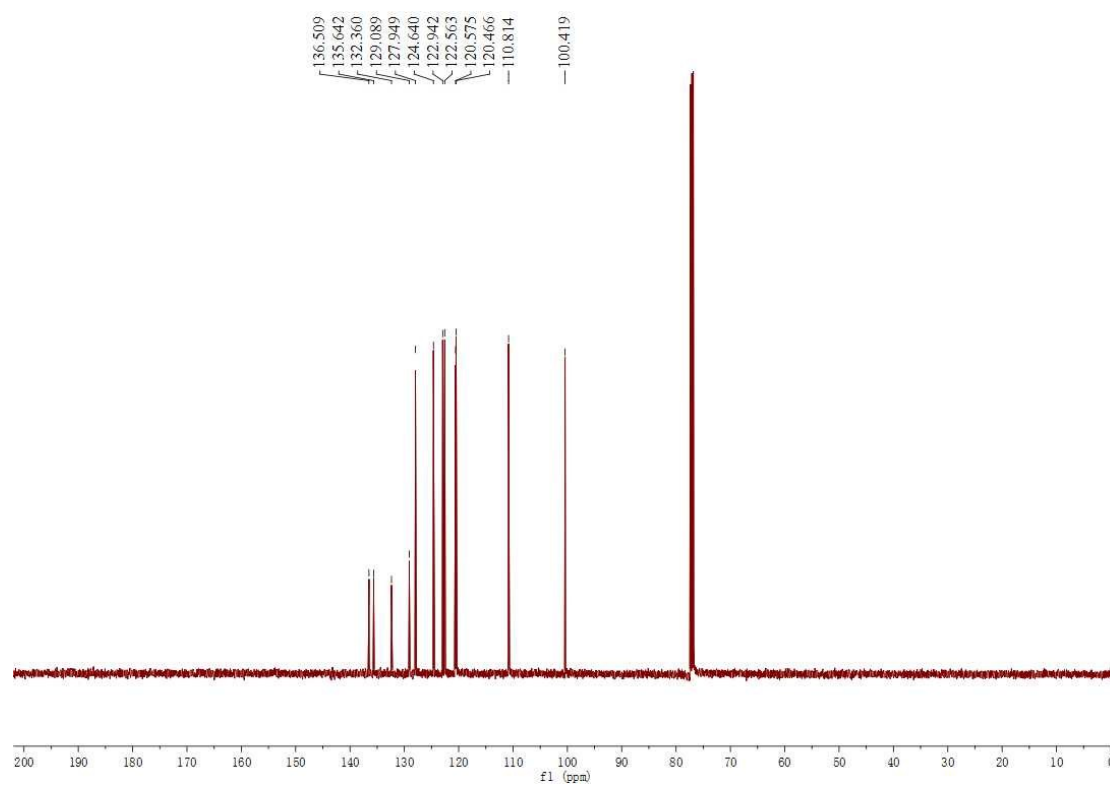
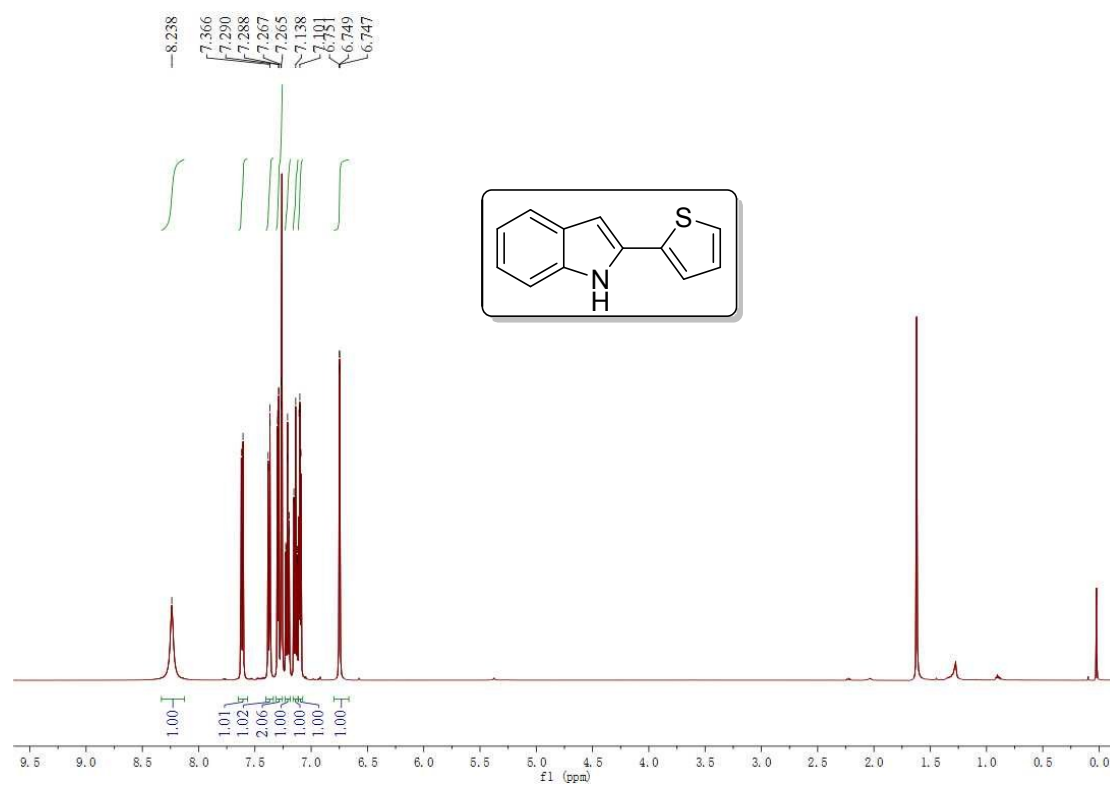
## 2-(naphthalen-2-yl)-1H-indole (2o)



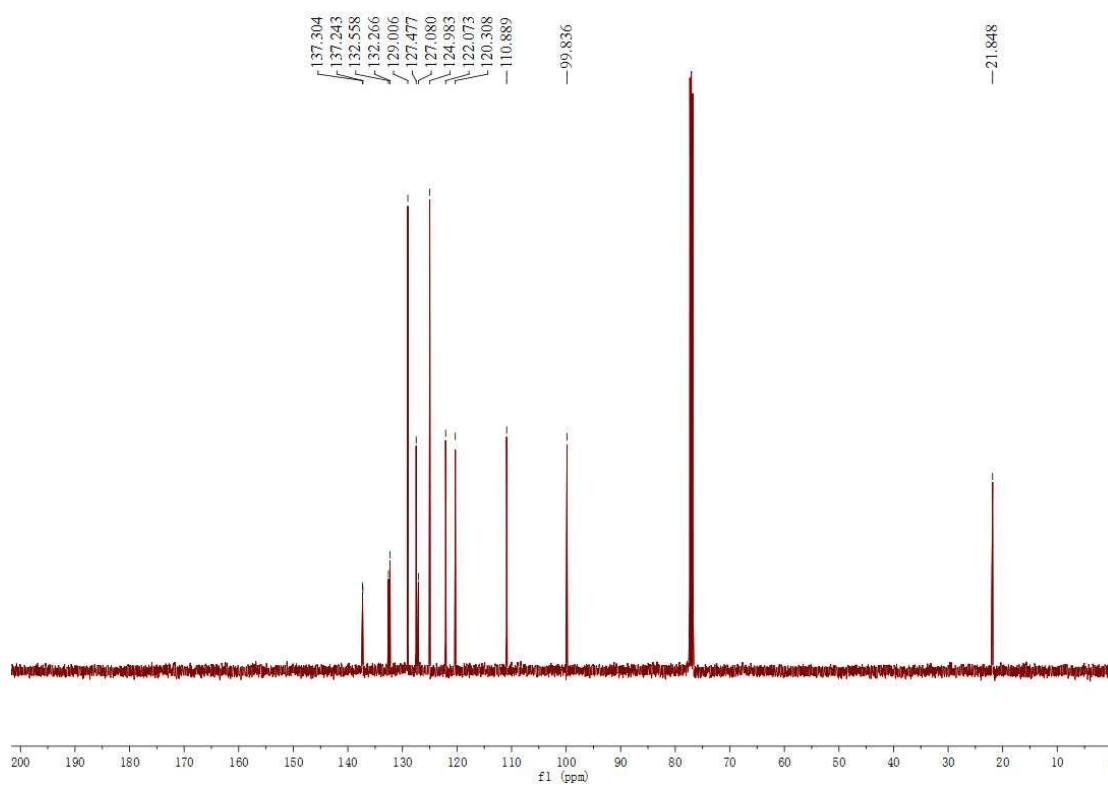
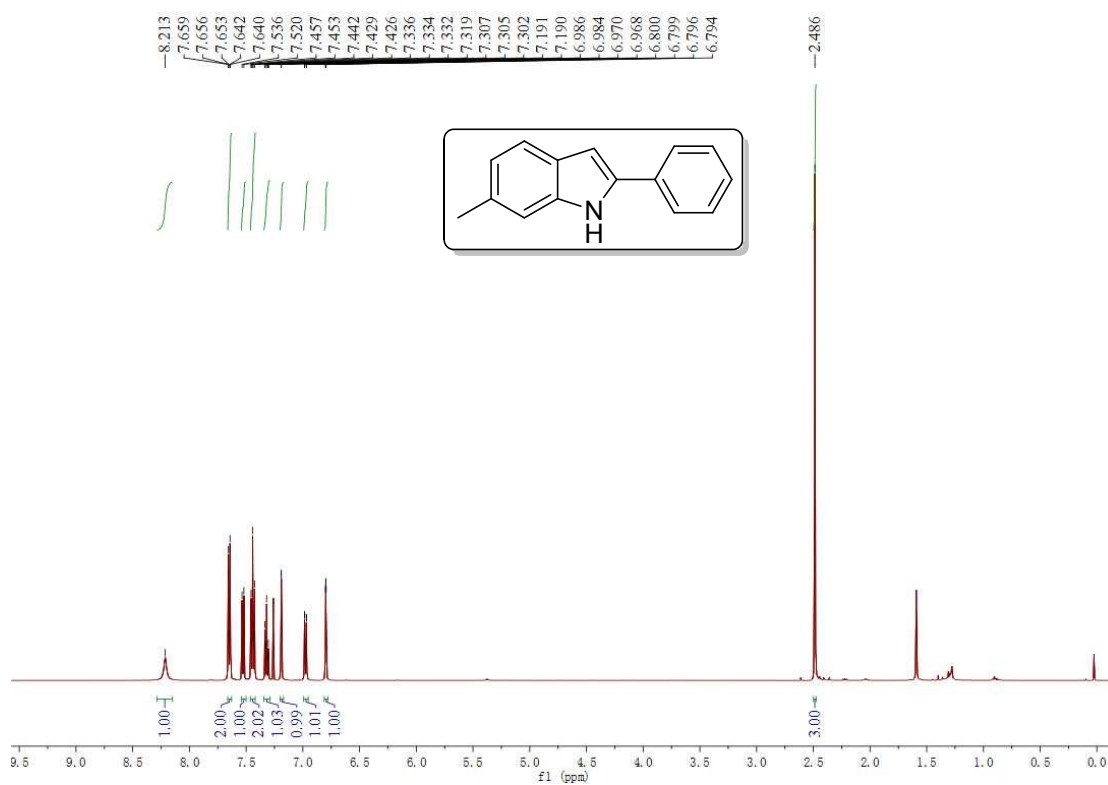
### 3-(1H-indol-2-yl)quinoline (2p)



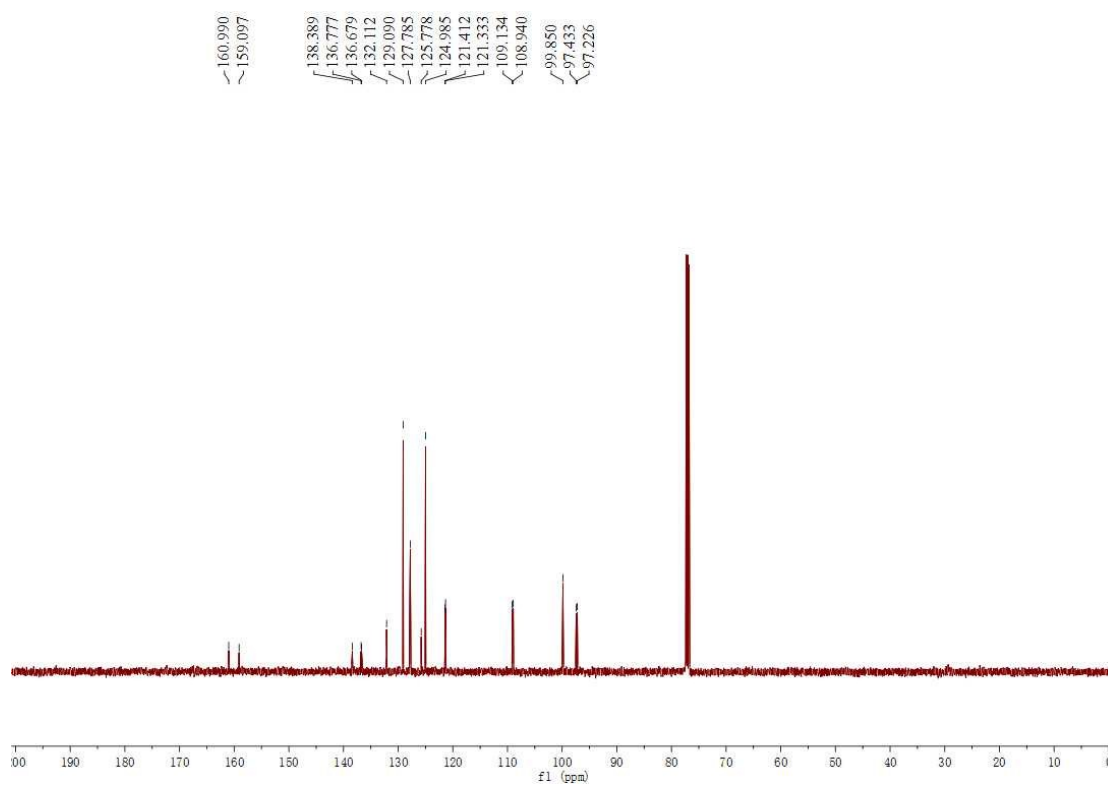
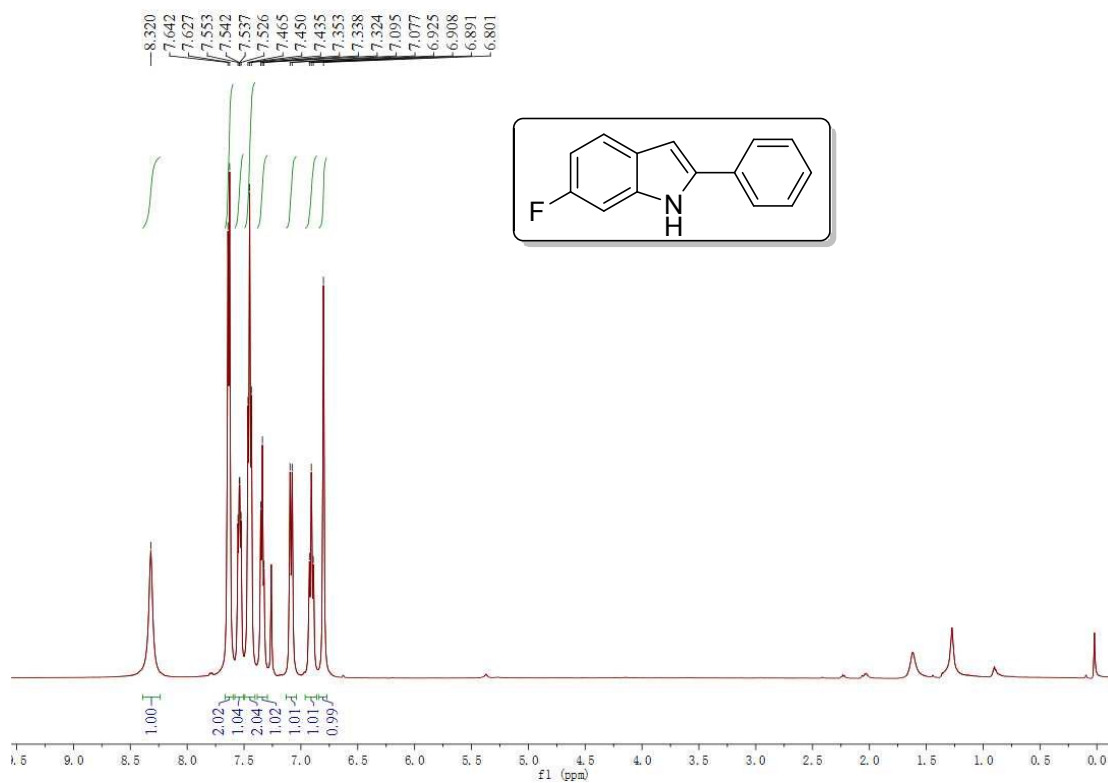
## 2-(thiophen-2-yl)-1H-indole (2q)



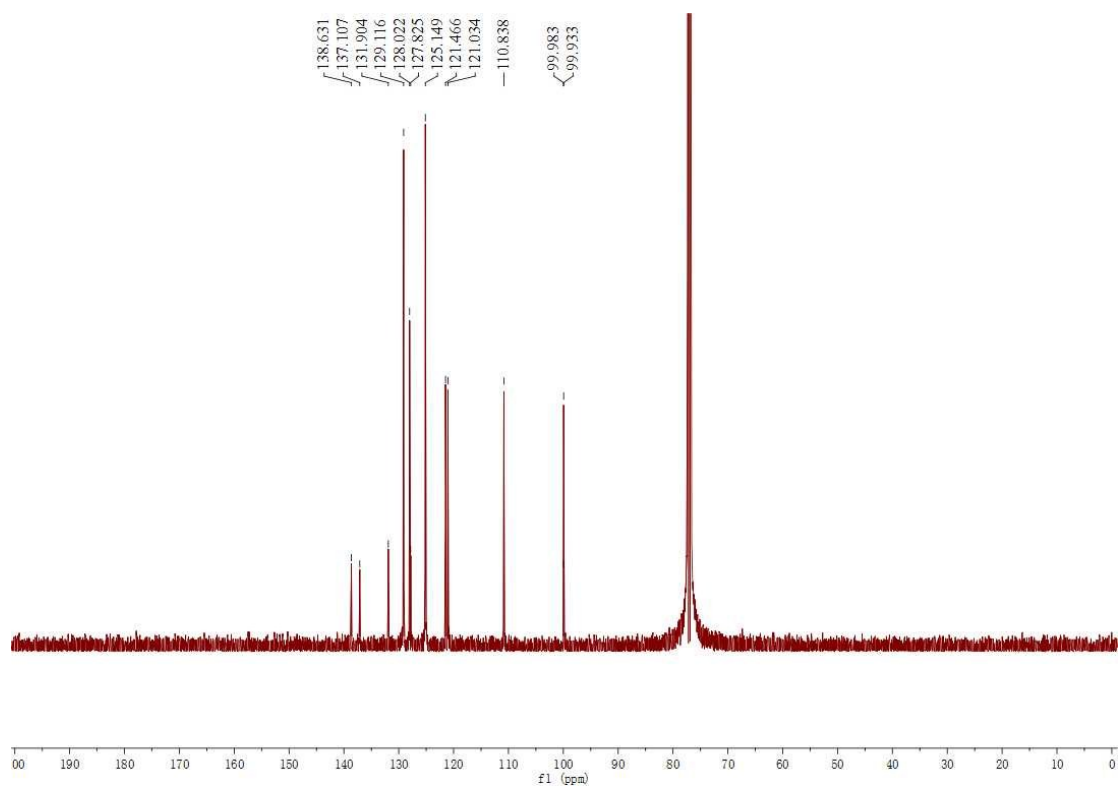
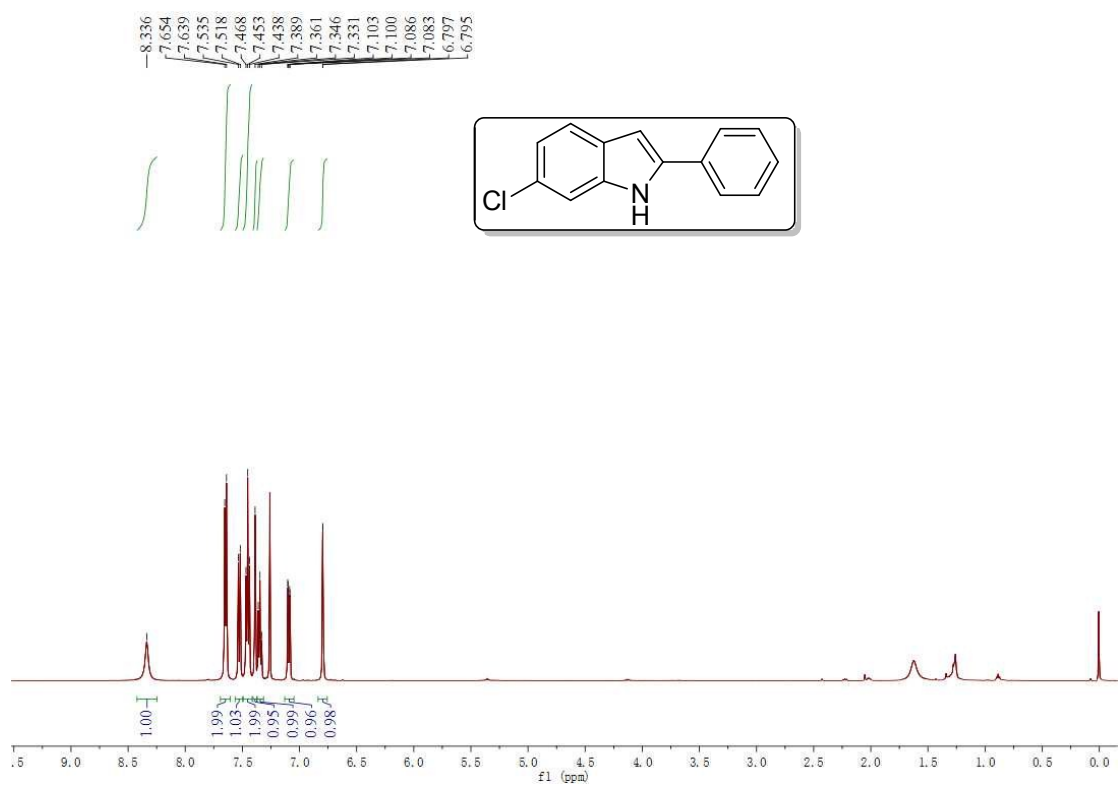
# 6-methyl-2-phenyl-1H-indole (2r)



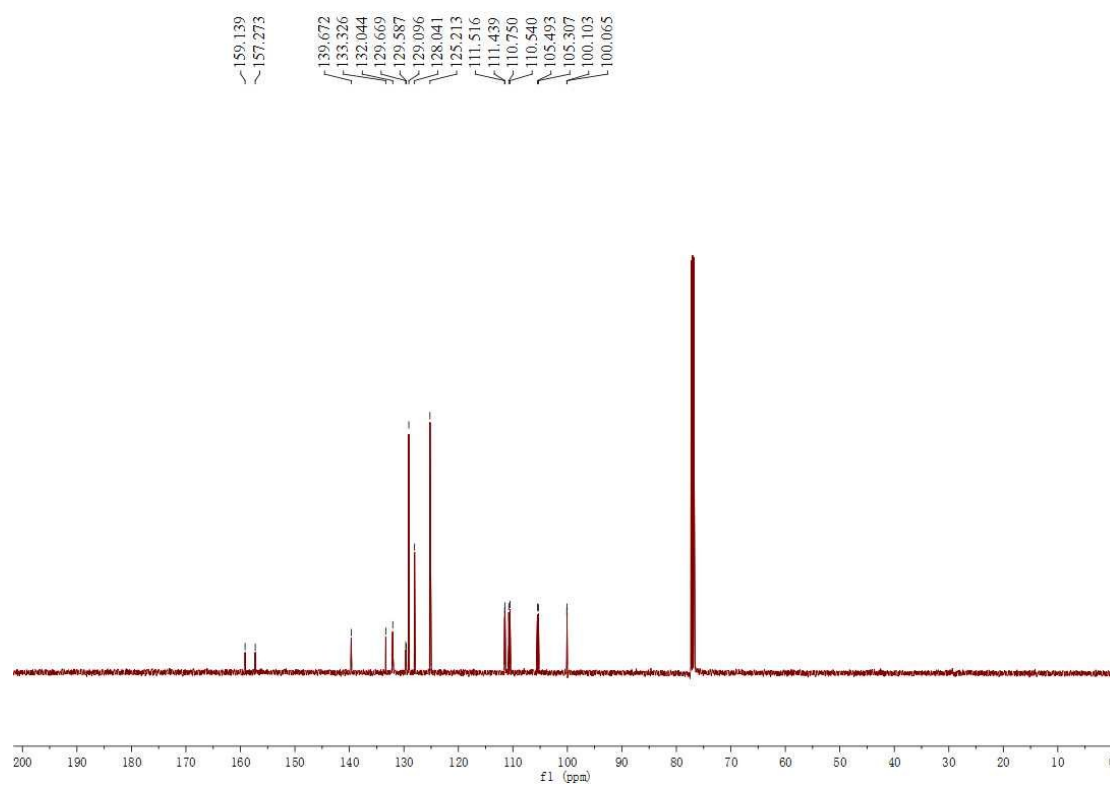
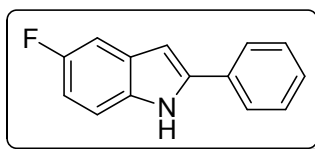
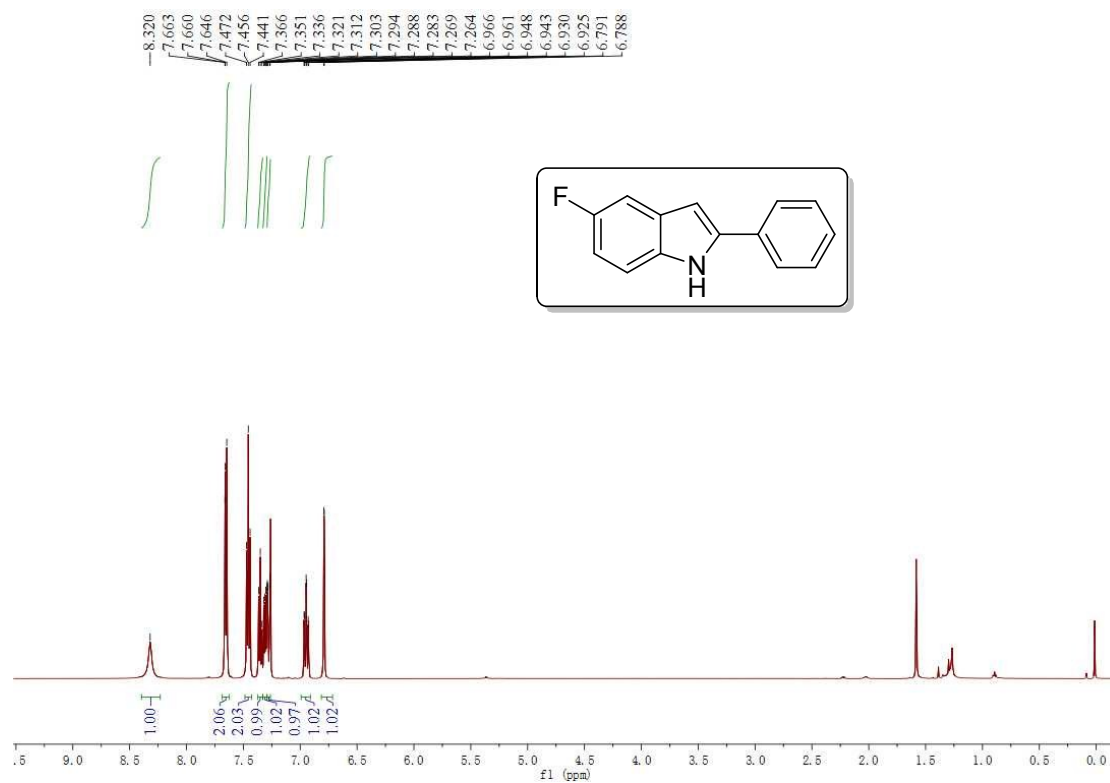
# 6-fluoro-2-phenyl-1H-indole (2s)



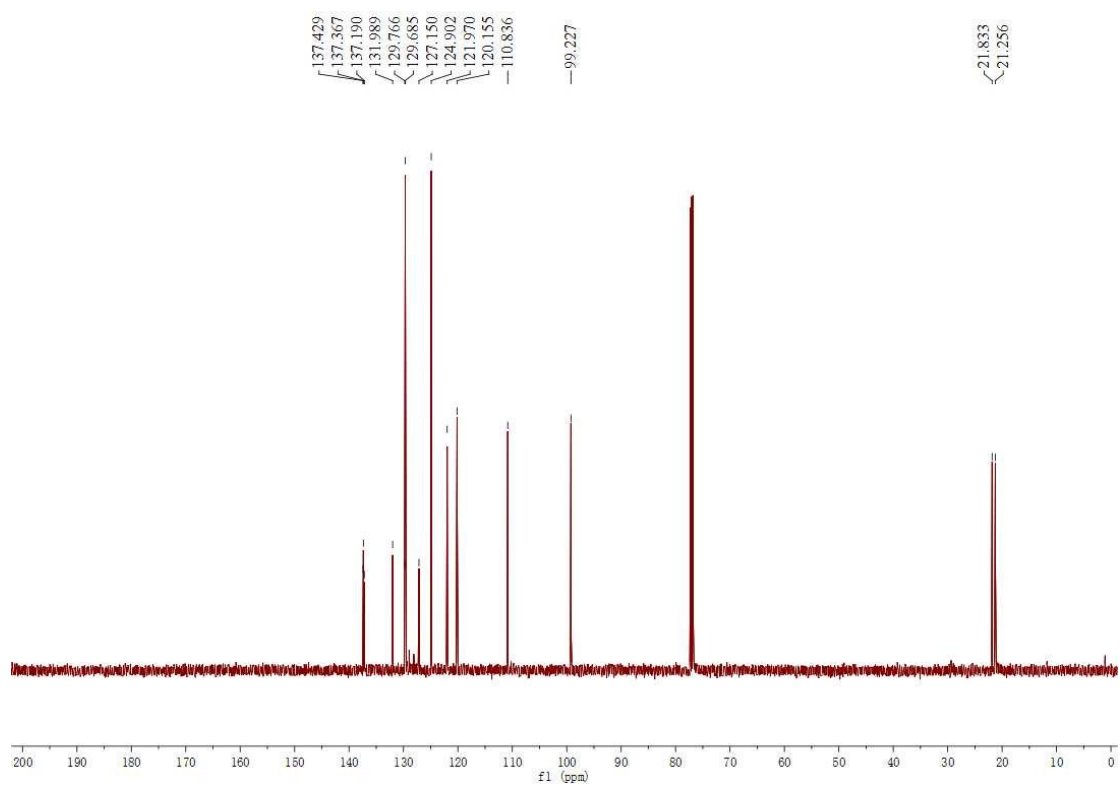
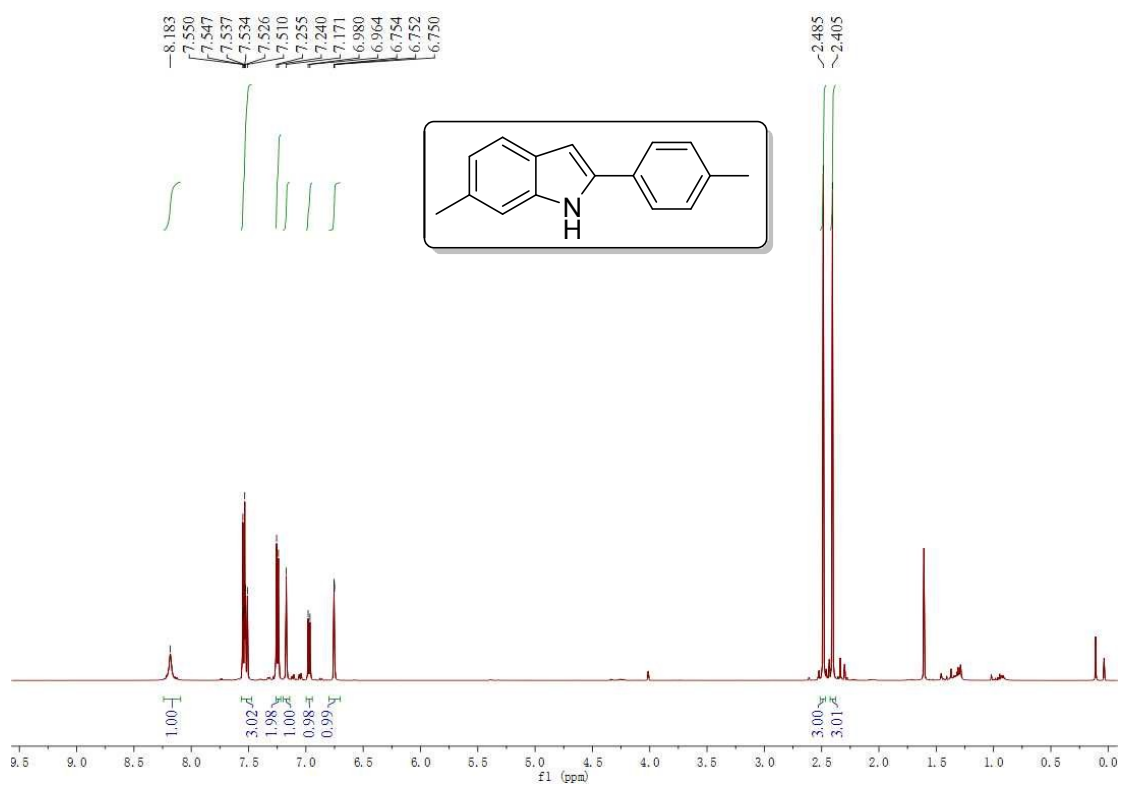
# 6-chloro-2-phenyl-1H-indole (2t)



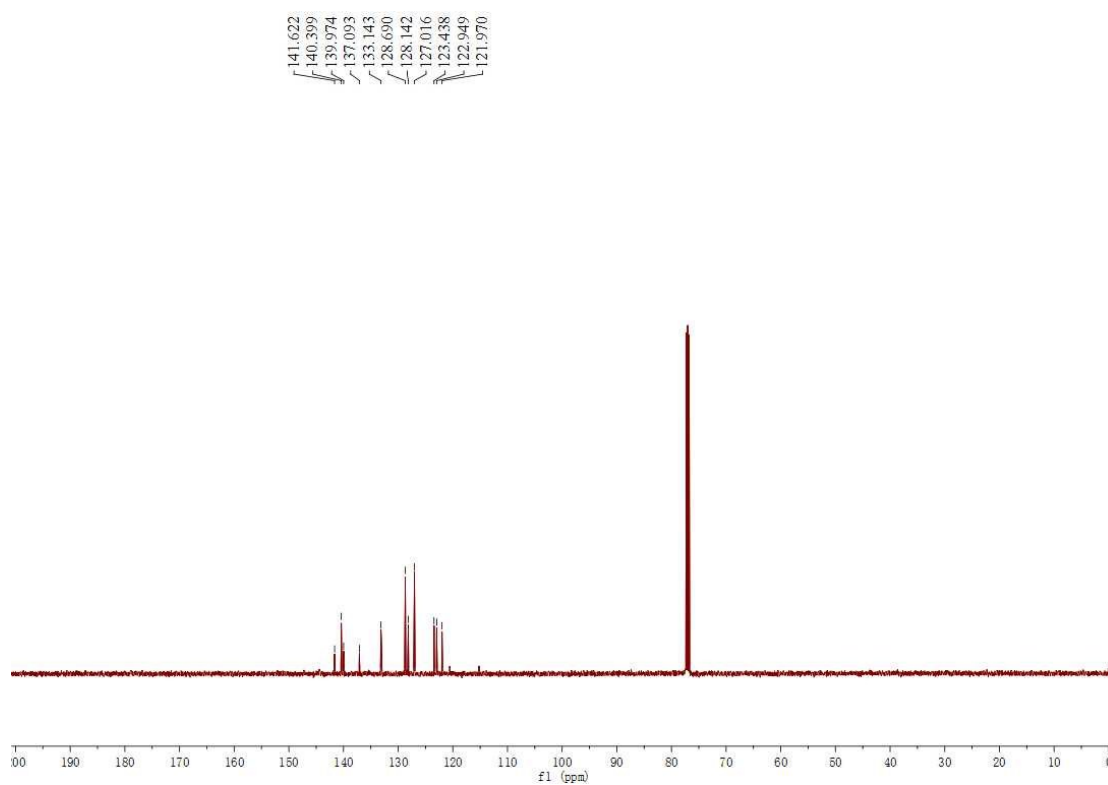
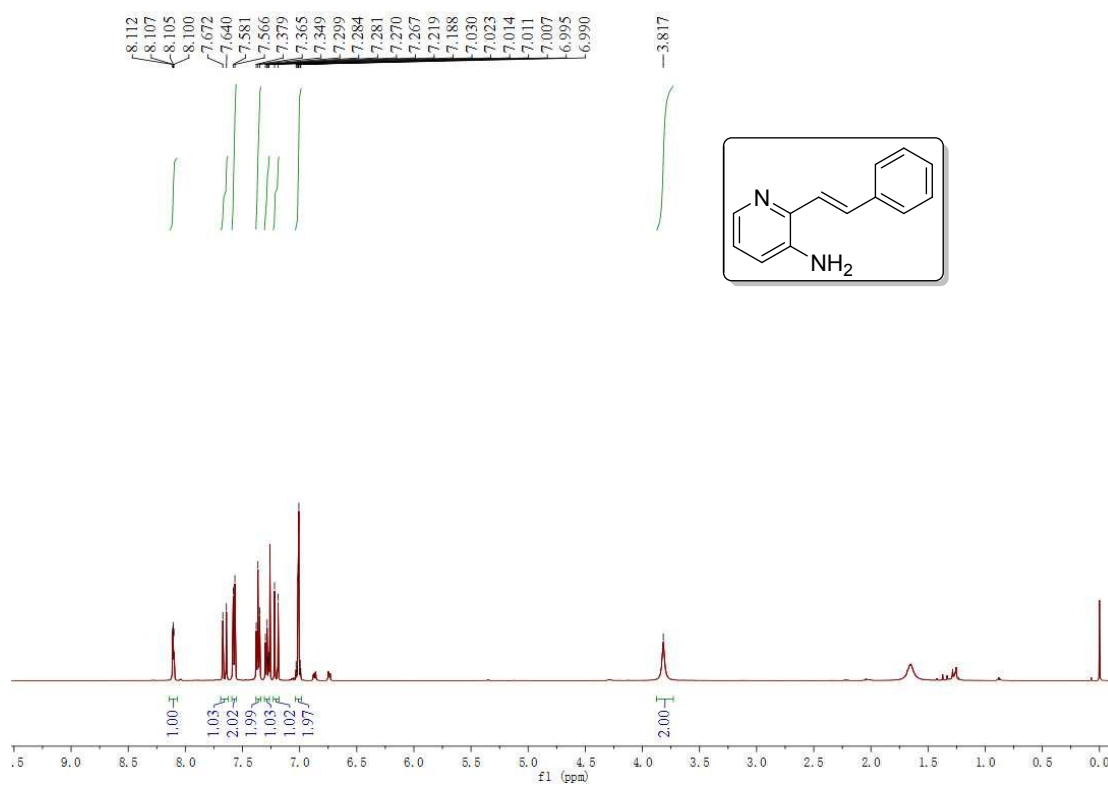
# 5-fluoro-2-phenyl-1H-indole (2u)



# 6-methyl-2-(p-tolyl)-1H-indole (2v)



**(E)-2-styrylpyridin-3-amine (2w')**



## 2-cyclopropyl-1H-indole (2x)

