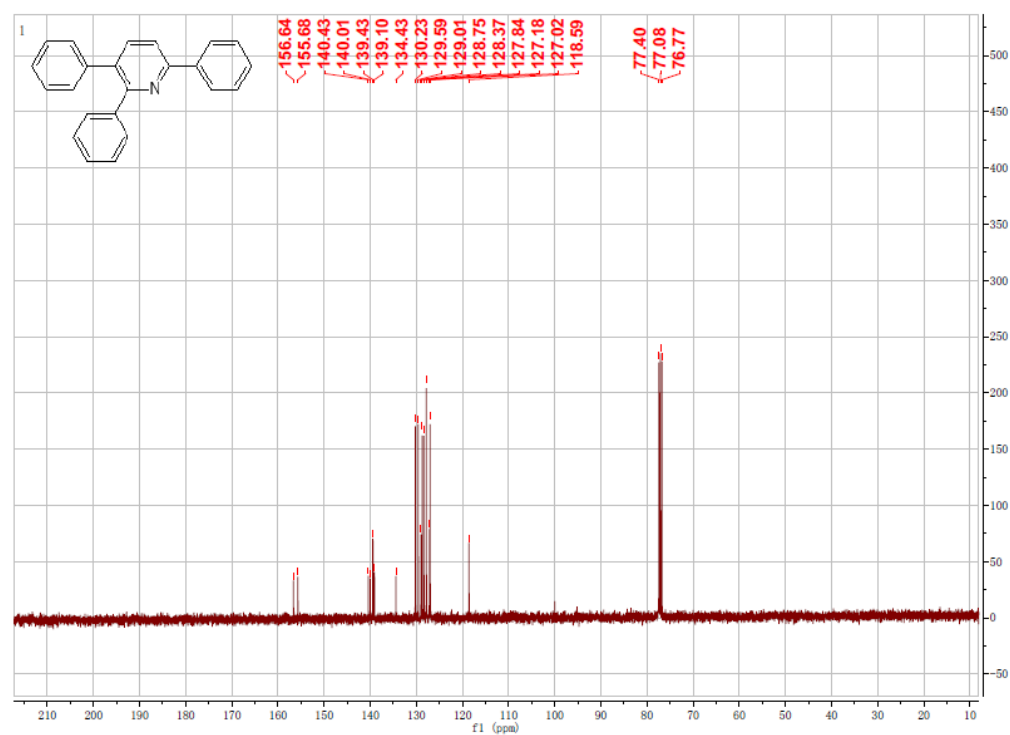
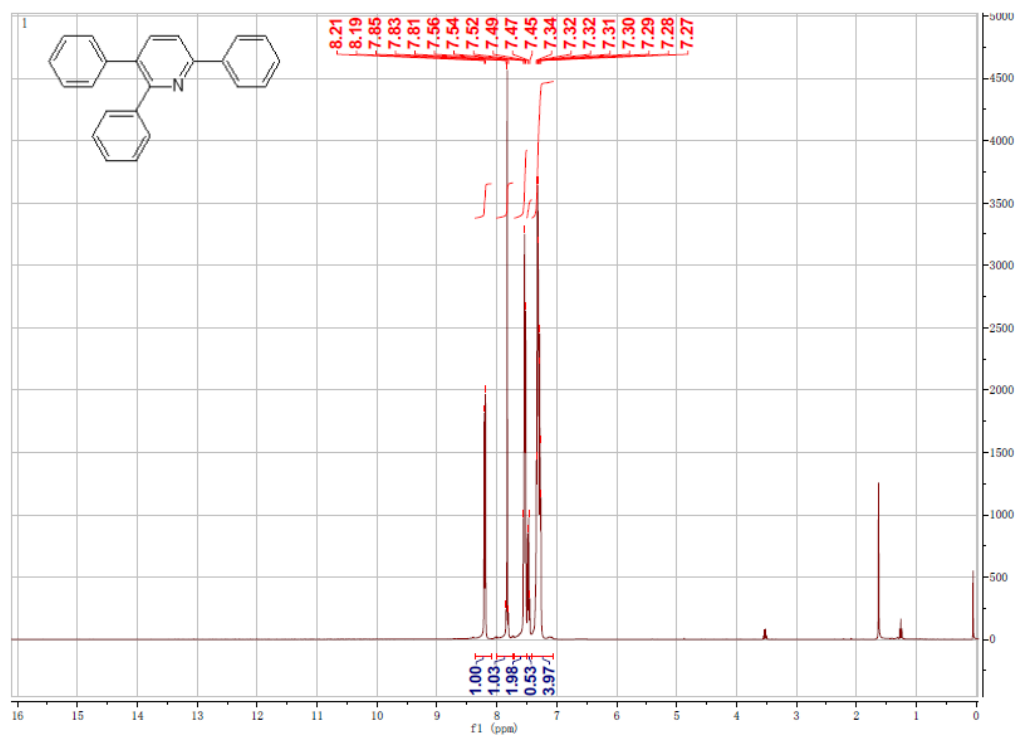


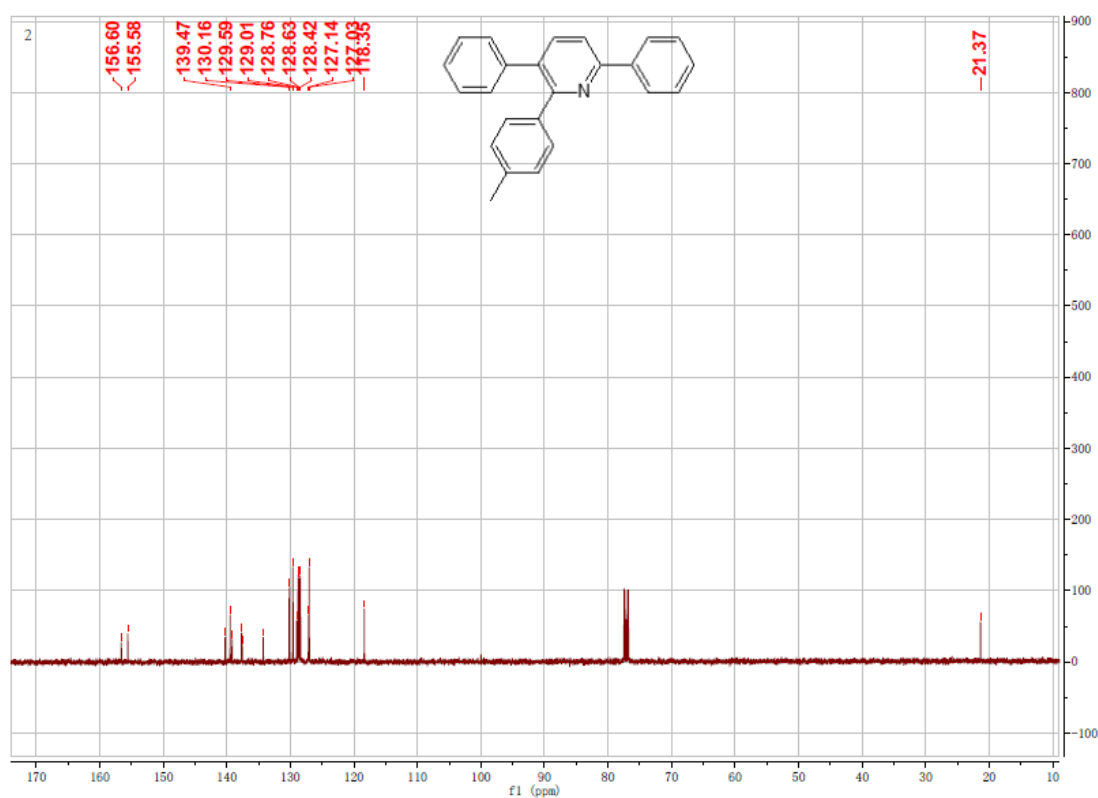
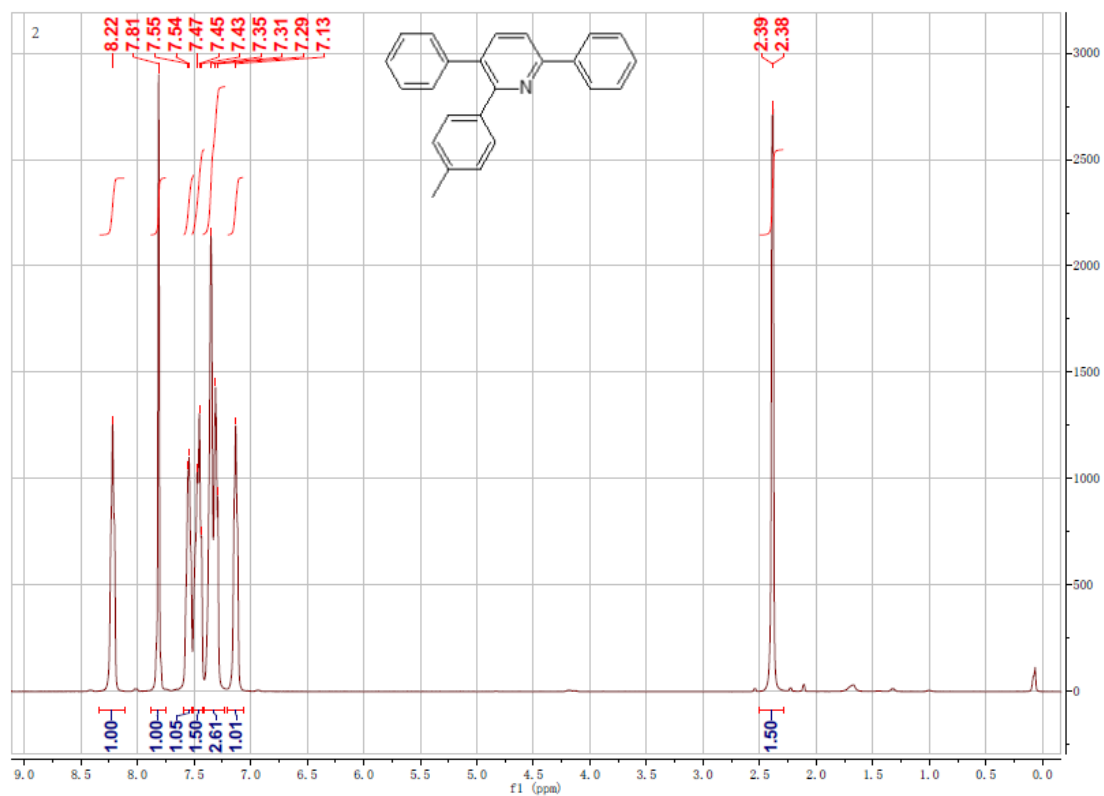
Supplementary Materials

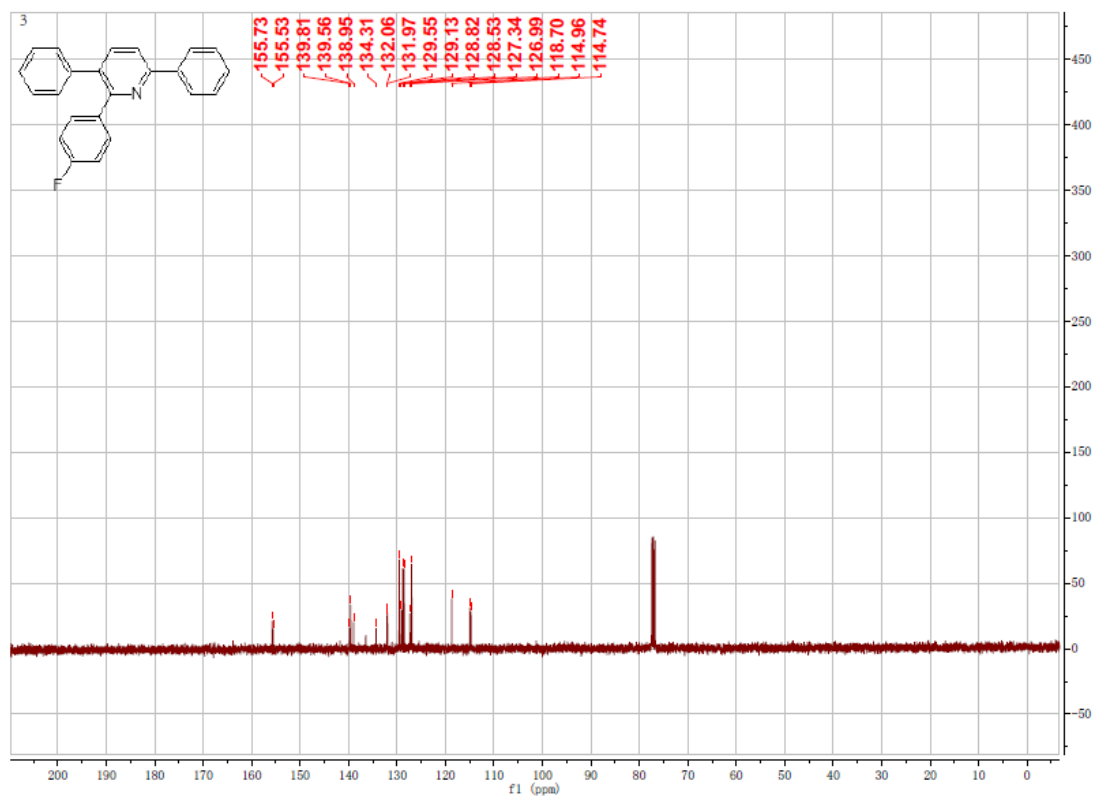
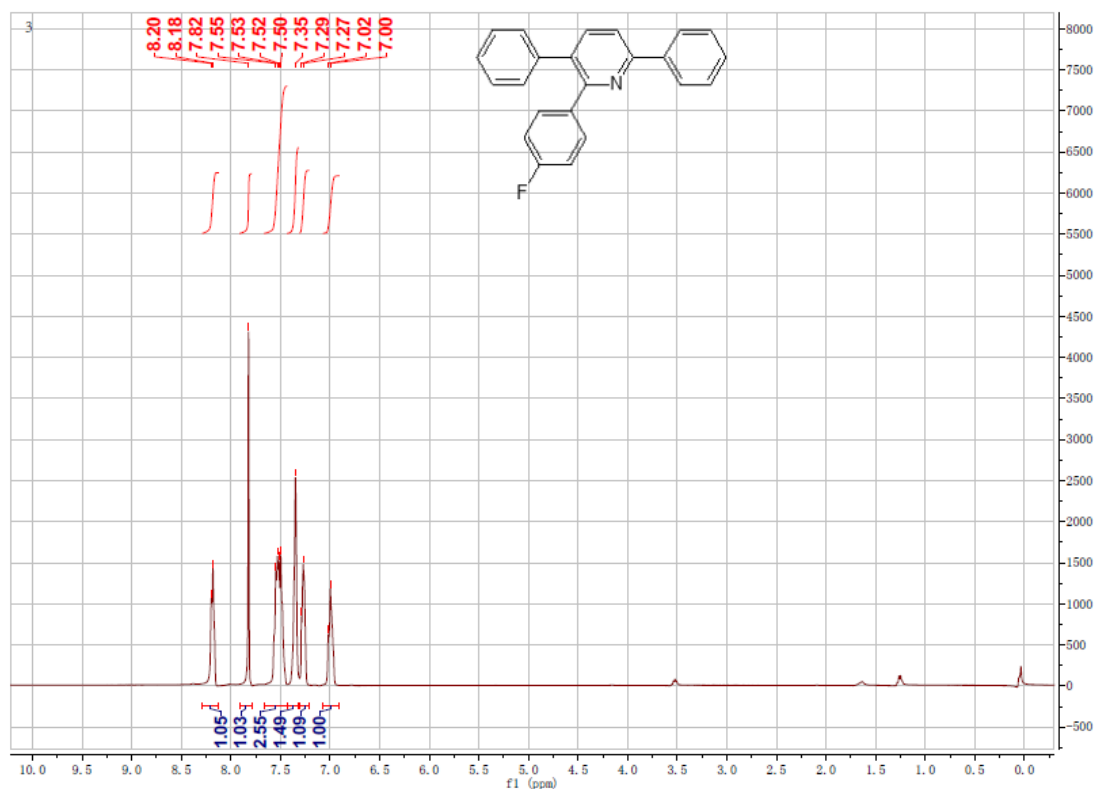
An efficient synthesis of arylated pyridines from conjugated acetylenes and substituted benzylamines catalyzed by base

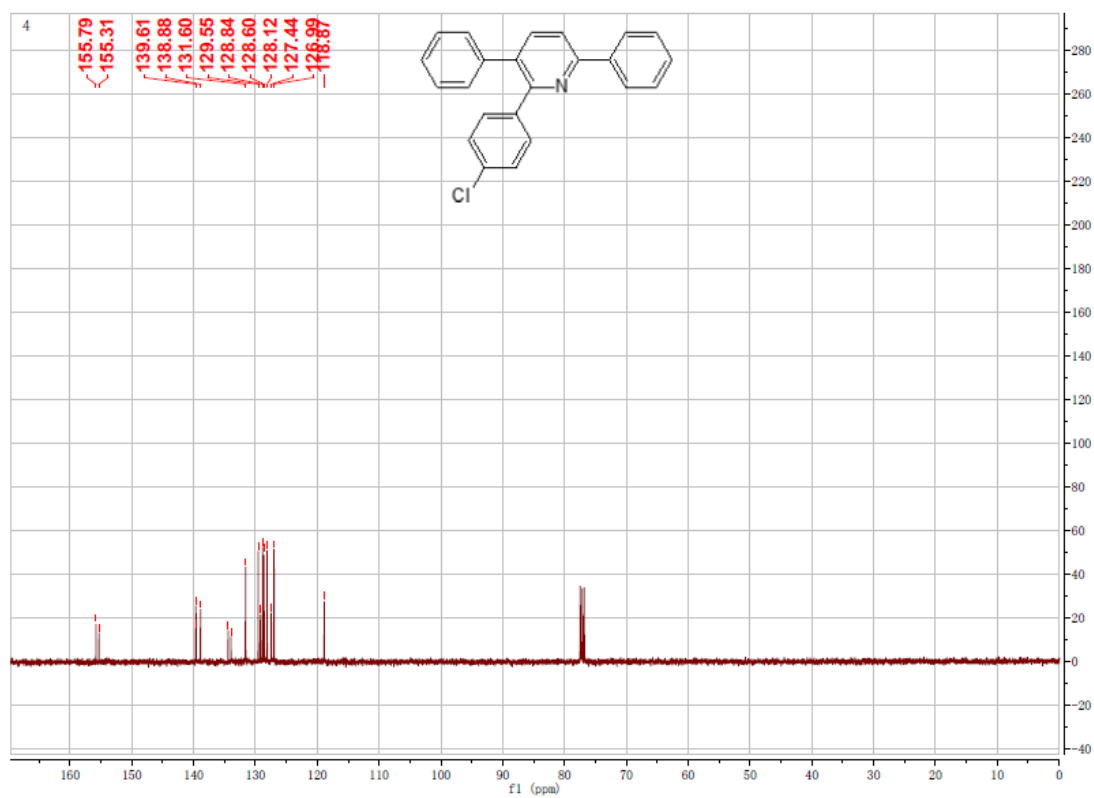
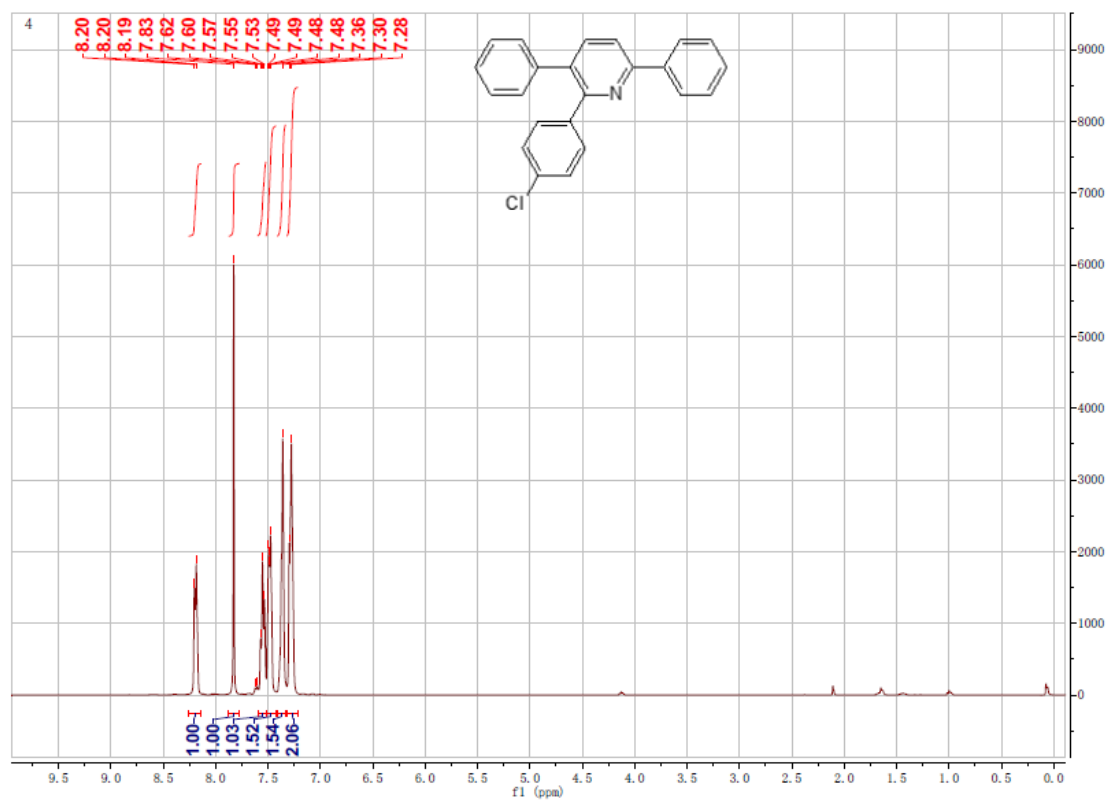
Mengping Guo, Bo Chen, Qiming Zhu, Hua Jin, Qiuling Peng, Yanping Kang

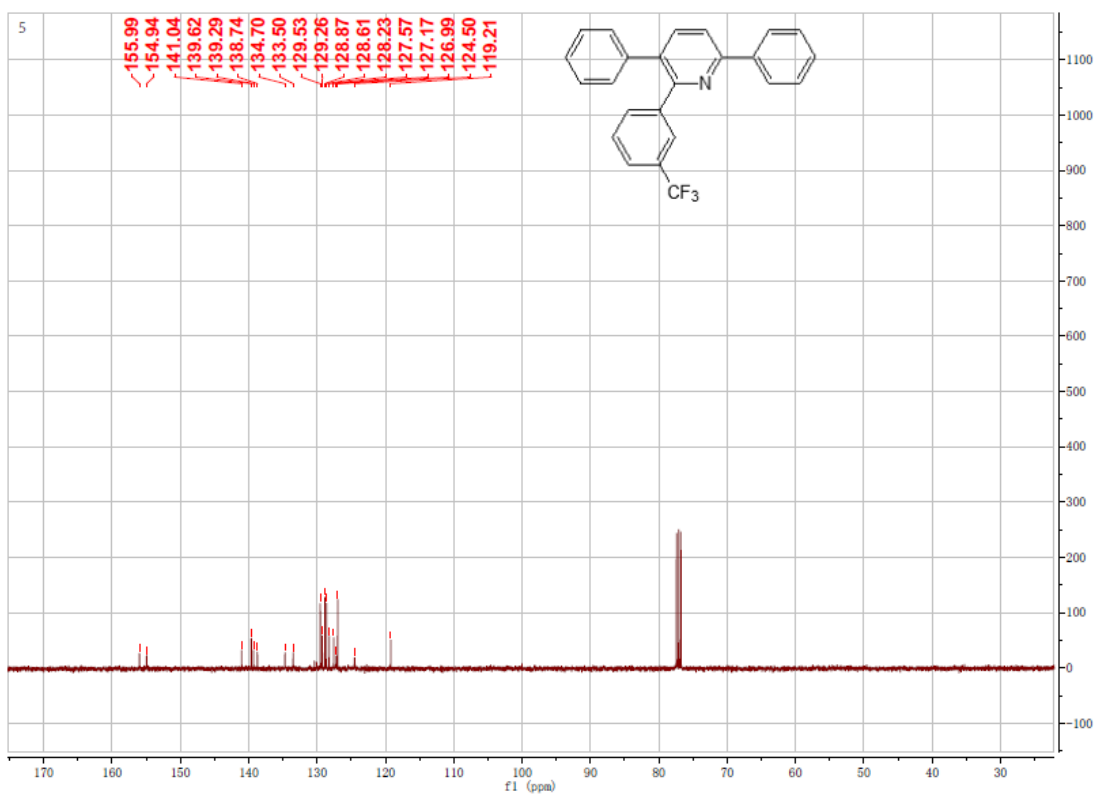
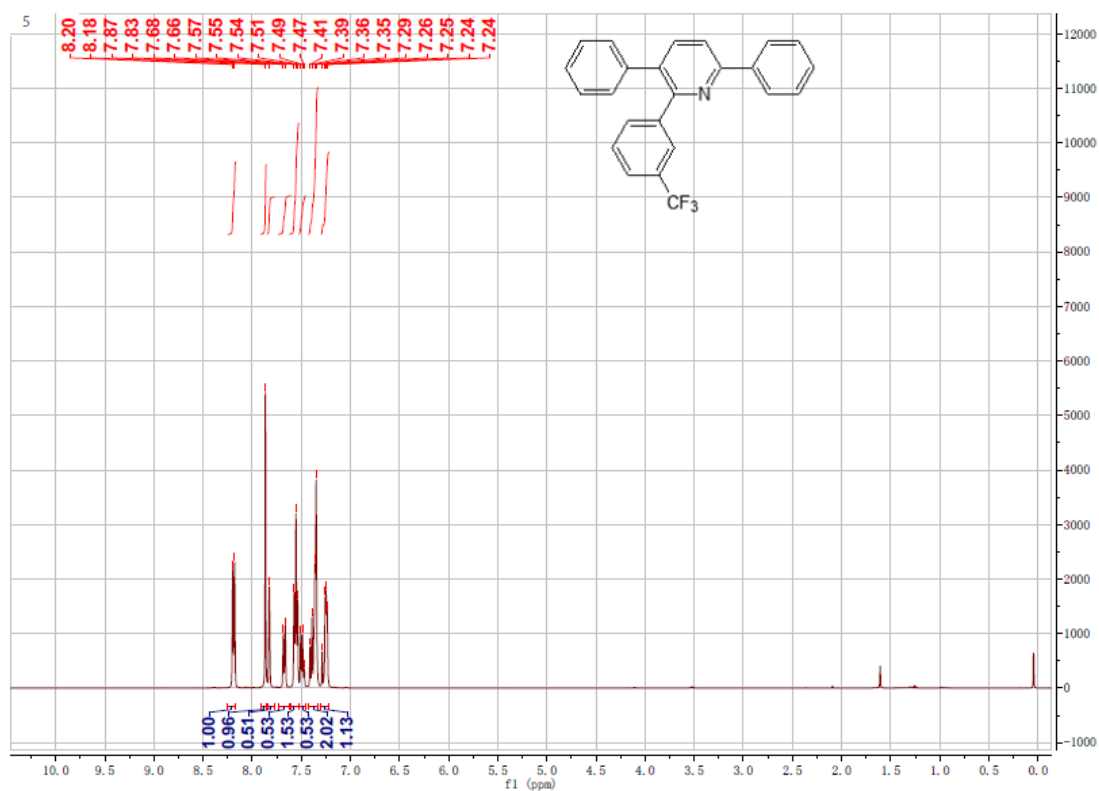
Characterization

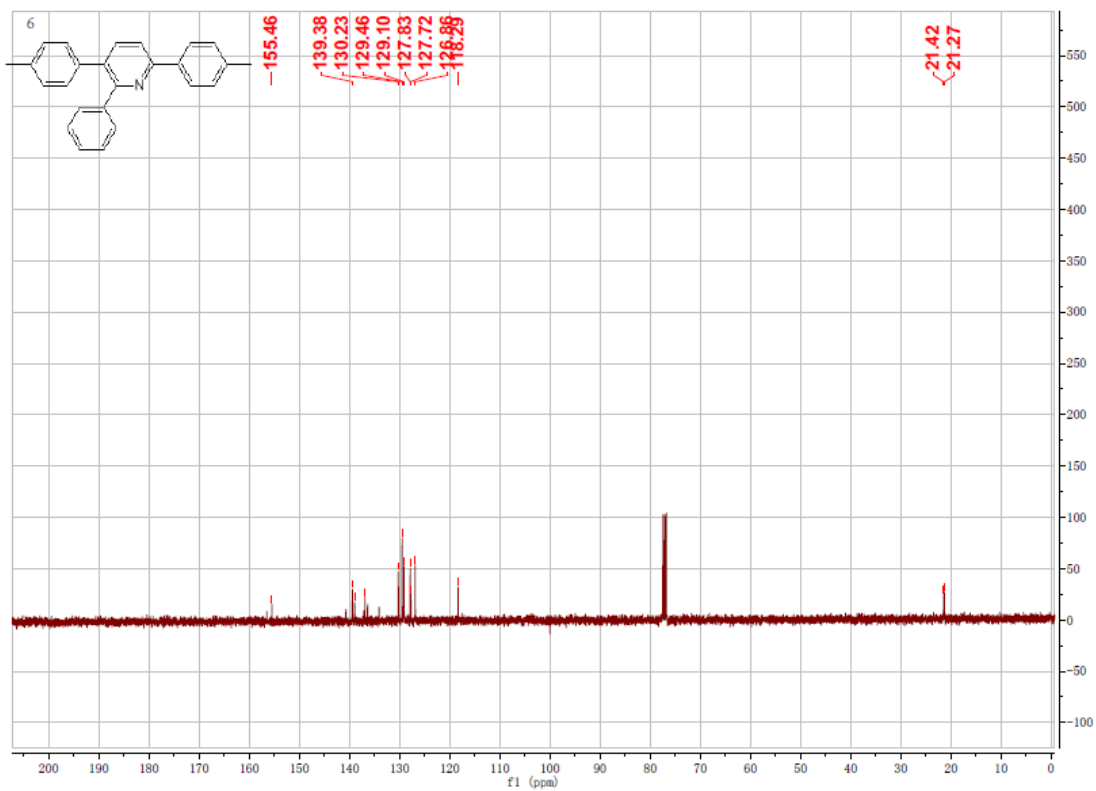
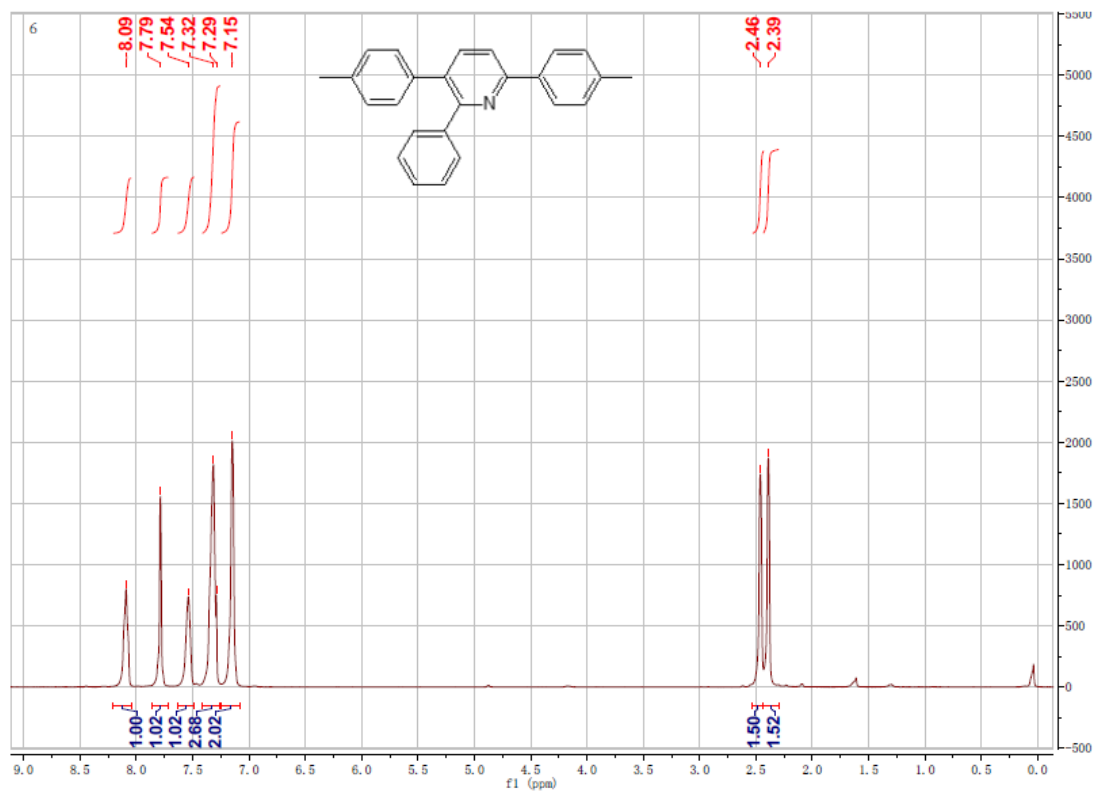
1. ^1H NMR and ^{13}C NMR of 2,3,6-triphenylpyridine

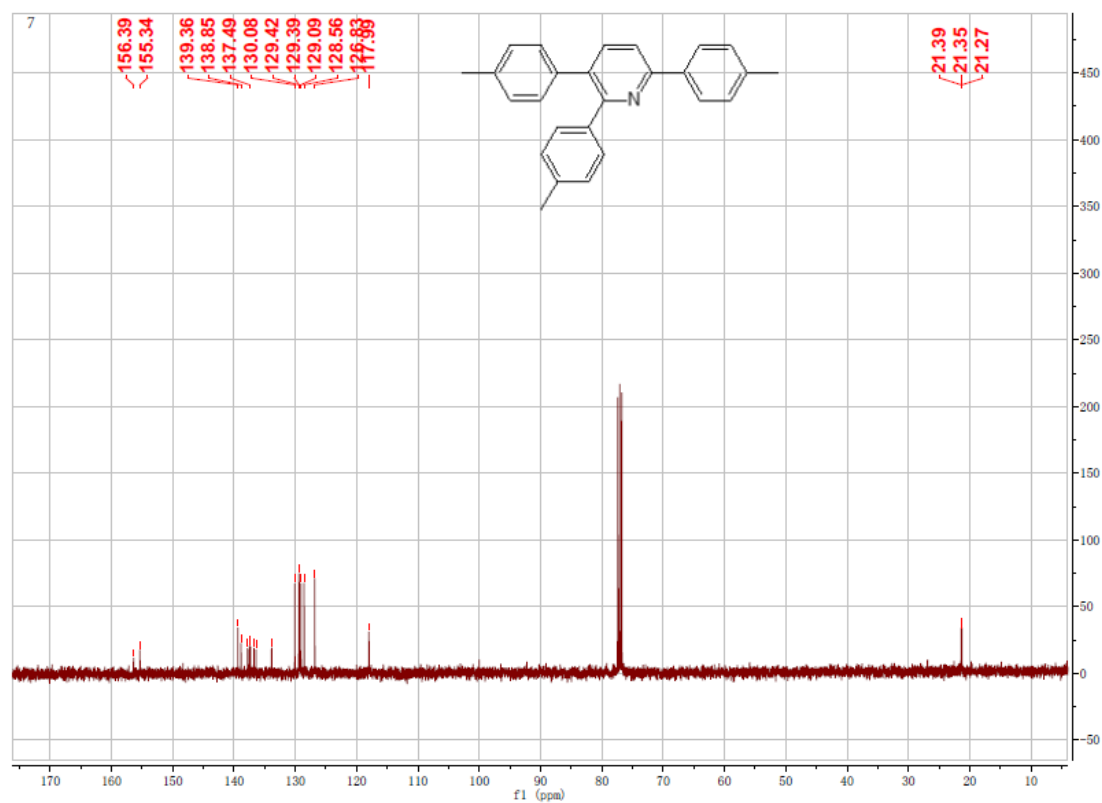
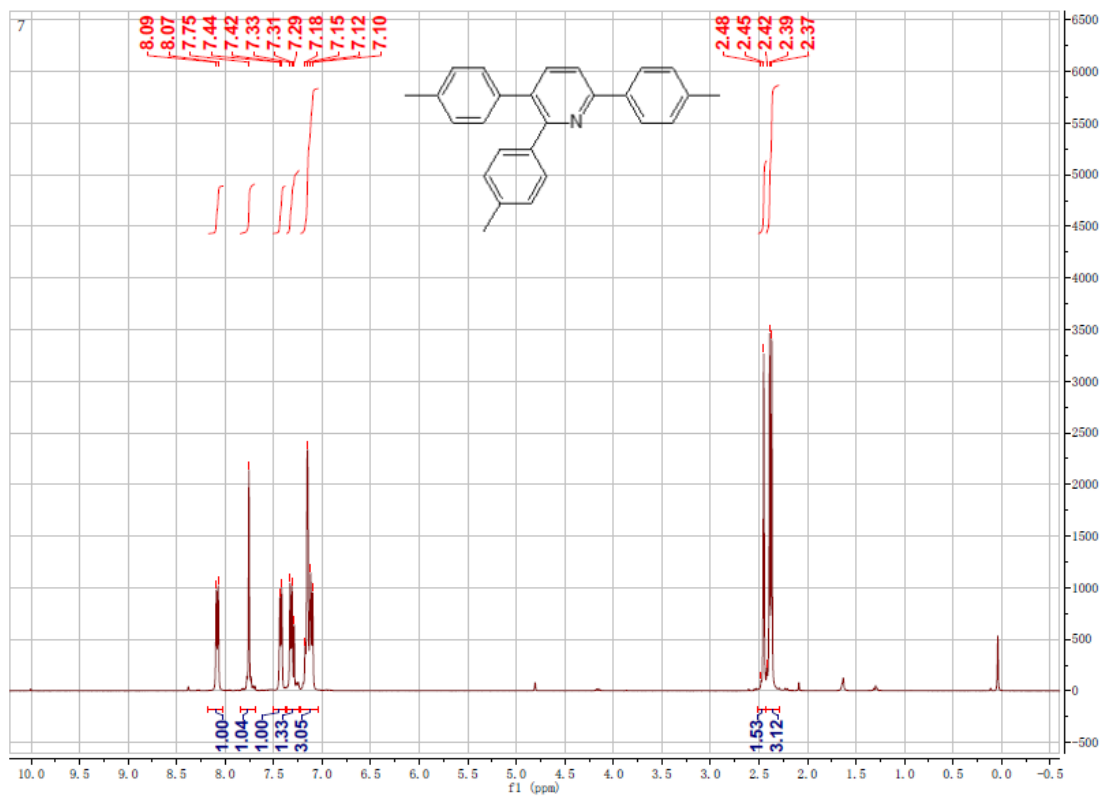
^1H NMR and ^{13}C NMR of 3,6-diphenyl-2-(p-tolyl)pyridine

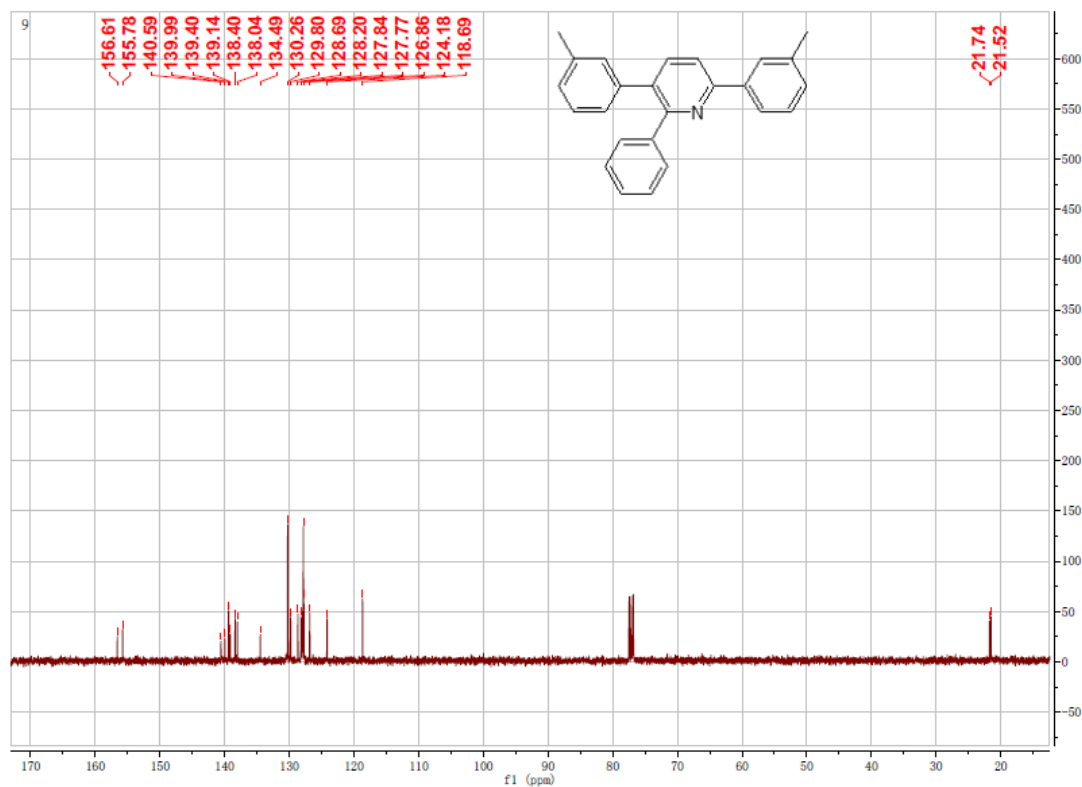
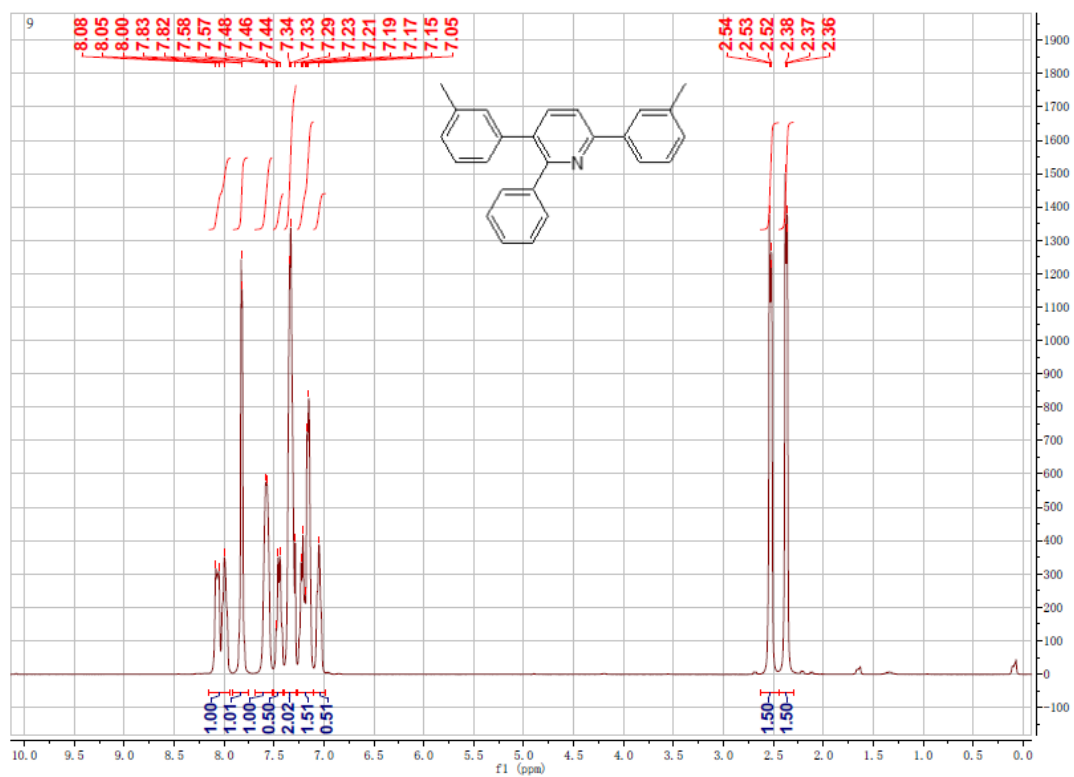
¹H NMR and ¹³C NMR of 2-(4-fluorophenyl)-3,6-diphenylpyridine

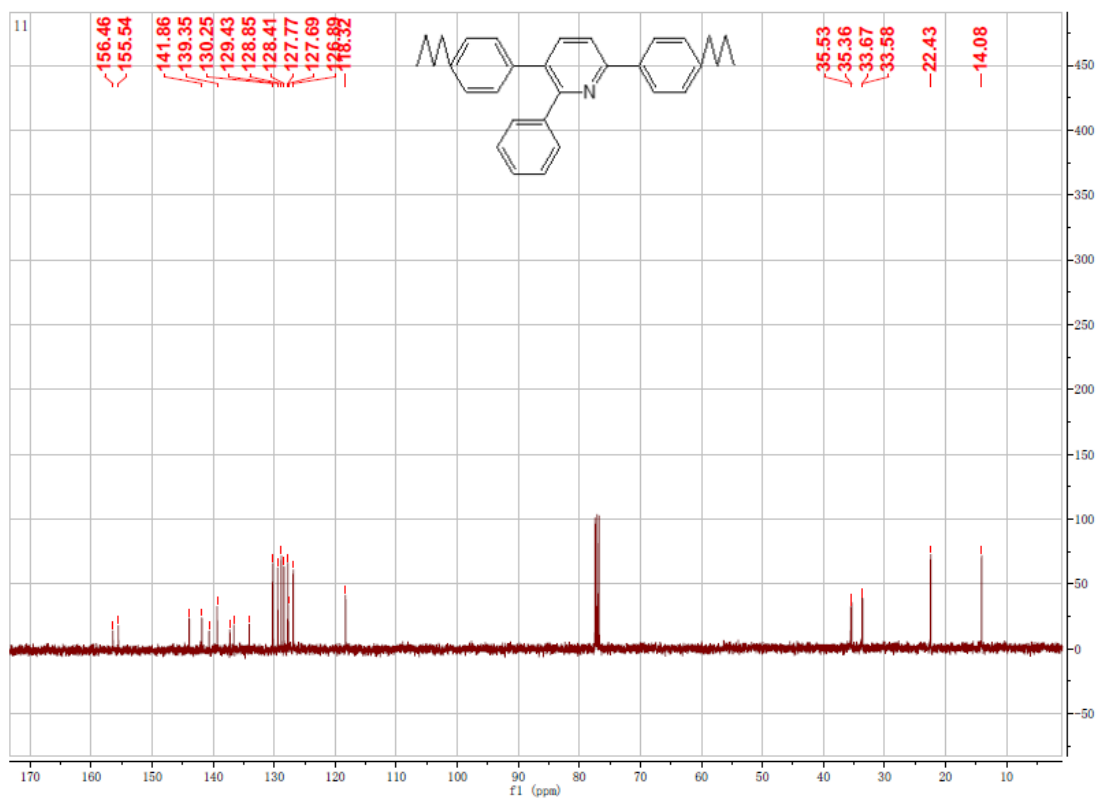
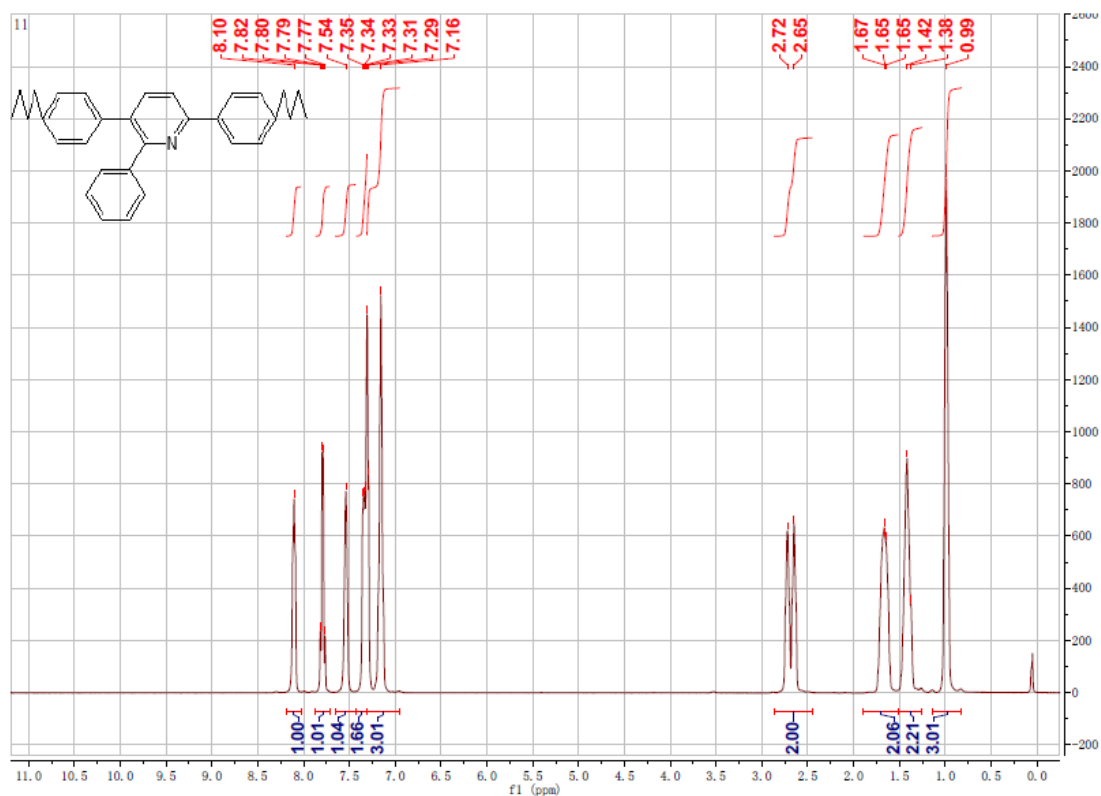
^1H NMR and ^{13}C NMR of 2-(4-chlorophenyl)-3,6-diphenylpyridine

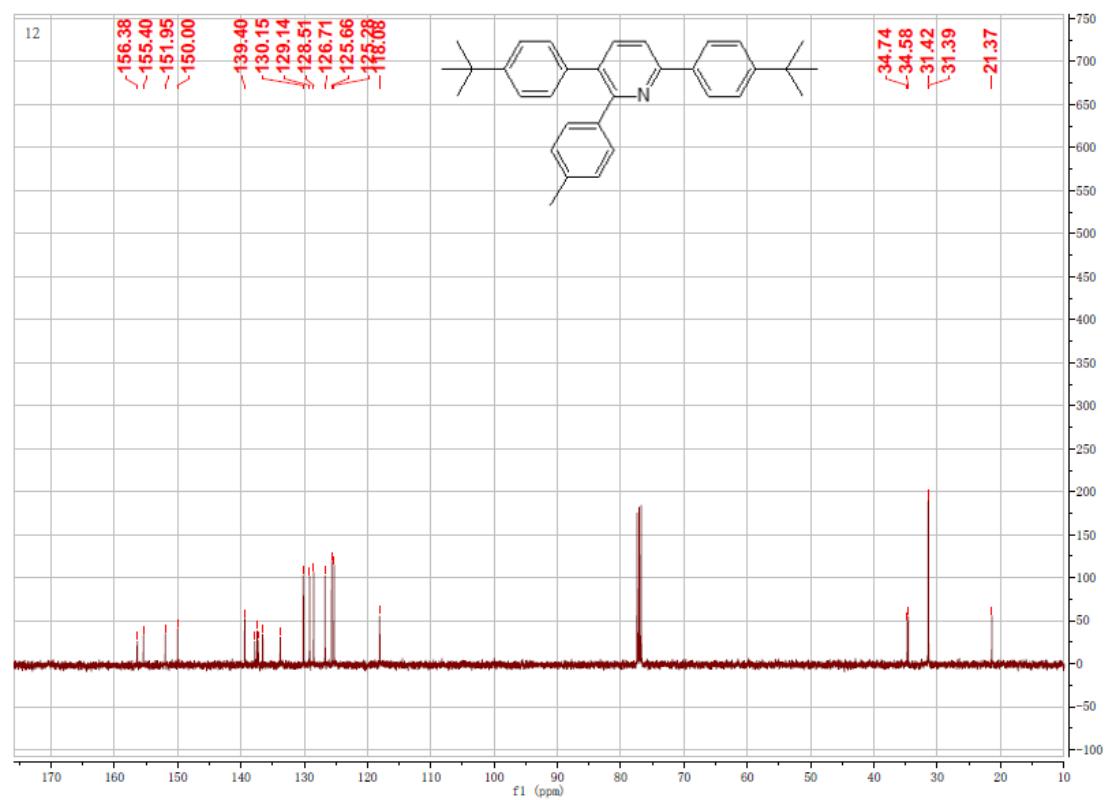
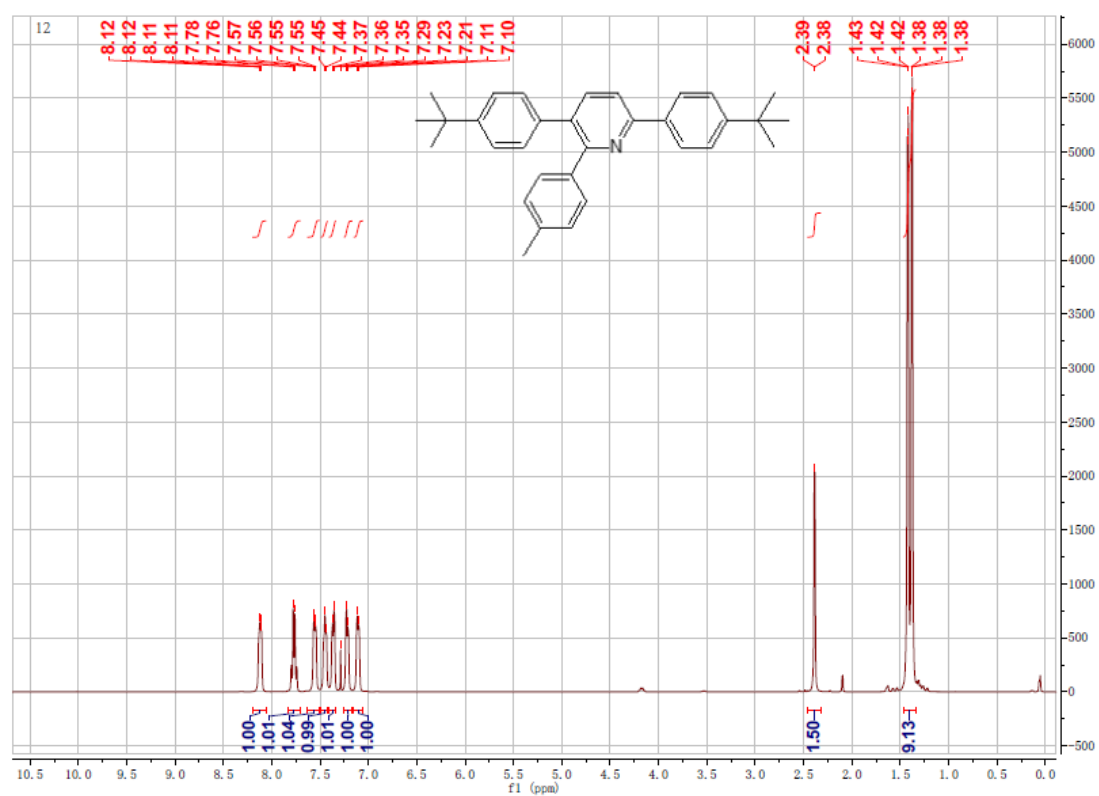
^1H NMR and ^{13}C NMR of 3,6-diphenyl-2-(3-(trifluoromethyl)phenyl)pyridine

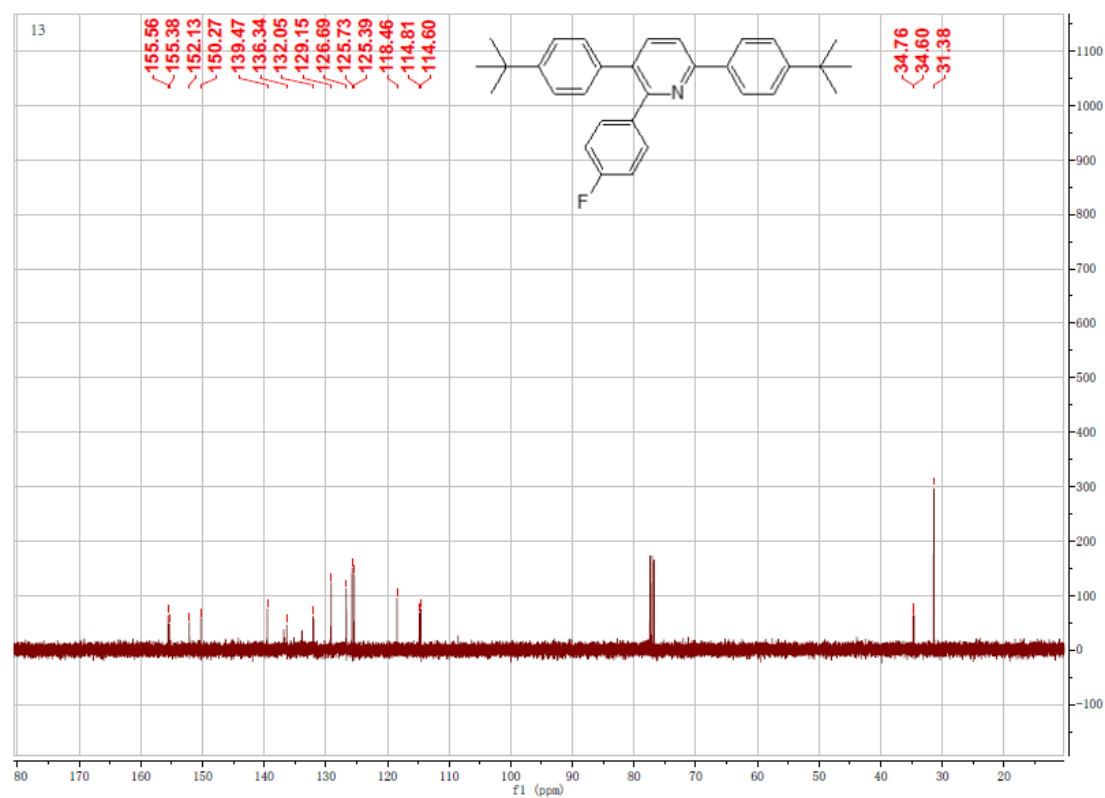
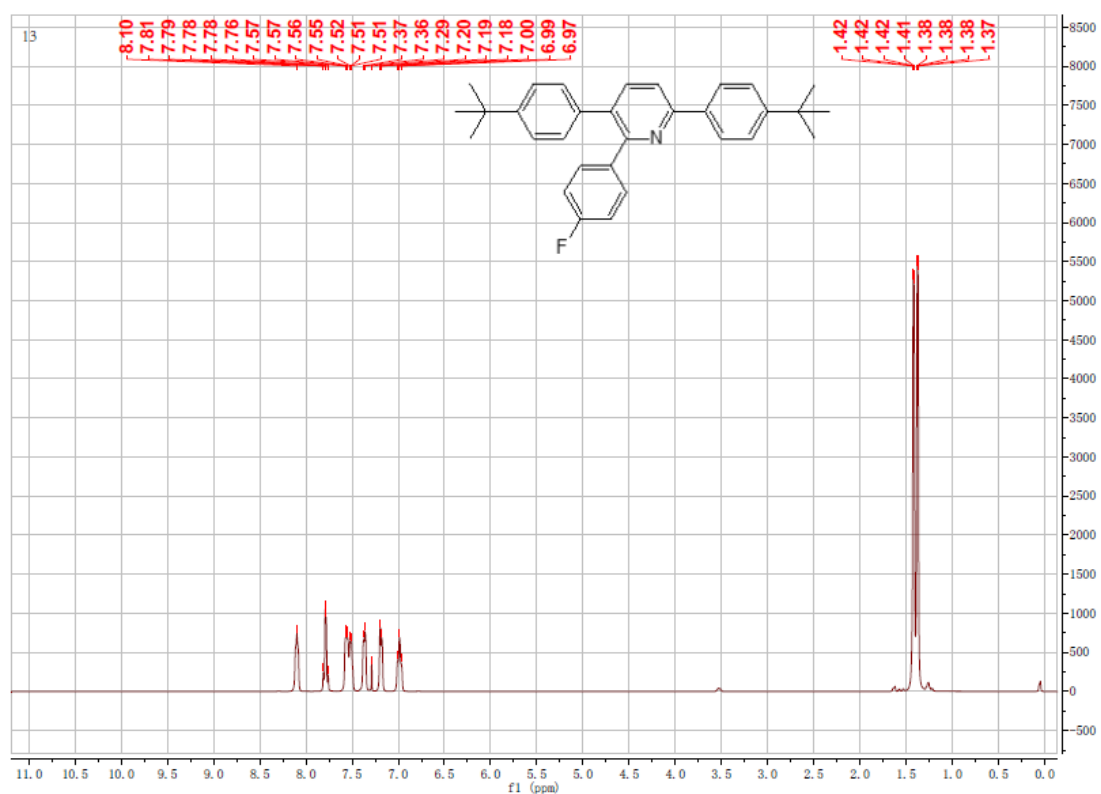
^1H NMR and ^{13}C NMR of 2-phenyl-3,6-di-p-tolylpyridine

^1H NMR and ^{13}C NMR of 2,3,6-tri-p-tolylpyridine

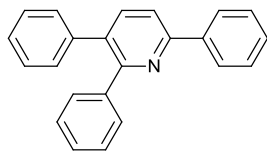
^1H NMR and ^{13}C NMR of 2-phenyl-3,6-di-m-tolylpyridine

^1H NMR and ^{13}C NMR of 3,6-bis(4-butylphenyl)-2-phenylpyridine

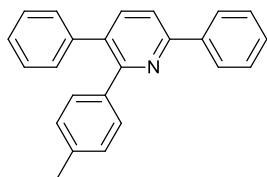
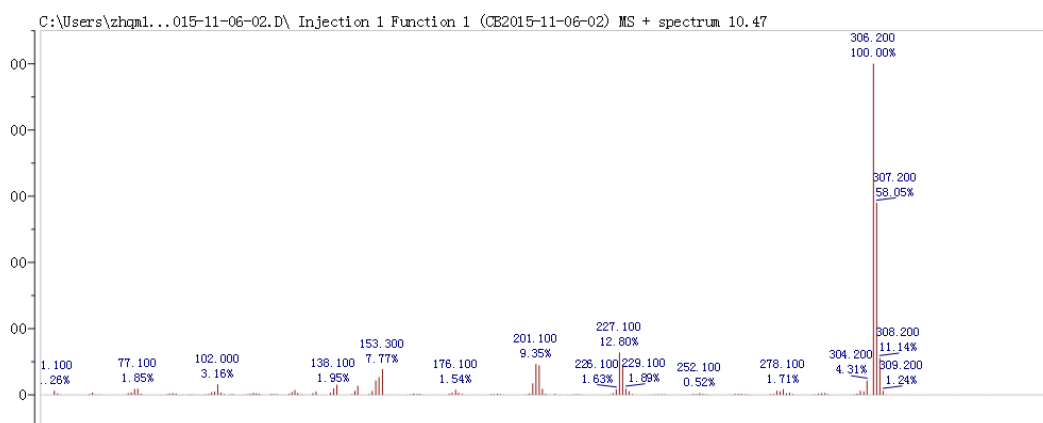
^1H NMR and ^{13}C NMR of 3,6-bis(4-(tert-butyl)phenyl)-2-(p-tolyl)pyridine

^1H NMR and ^{13}C NMR of 3,6-bis(4-(tert-butyl)phenyl)-2-(4-fluorophenyl)pyridine

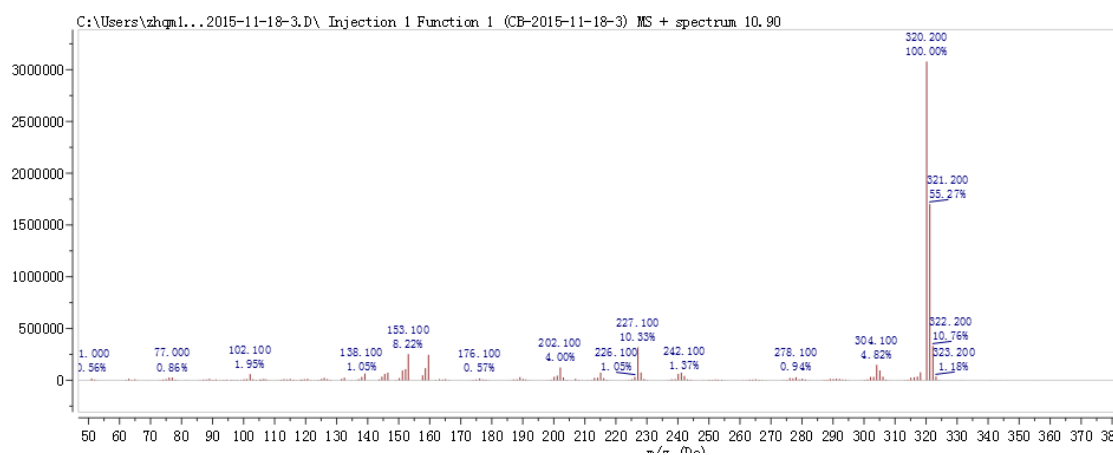
2. HRMS of the arylated pyridines

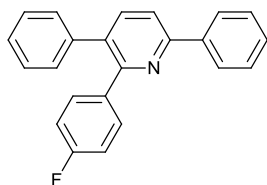


calcd for $C_{23}H_{17}N$: 307.1361, found: 307.2.

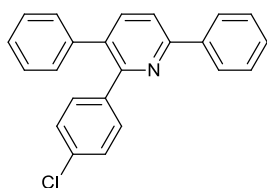
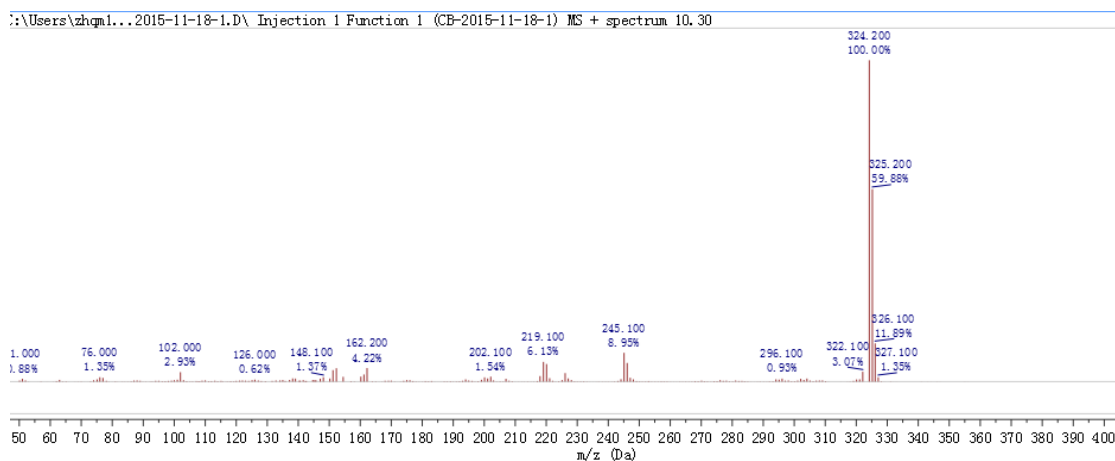


calcd for $C_{24}H_{19}N$: 321.1517, found: 321.2.

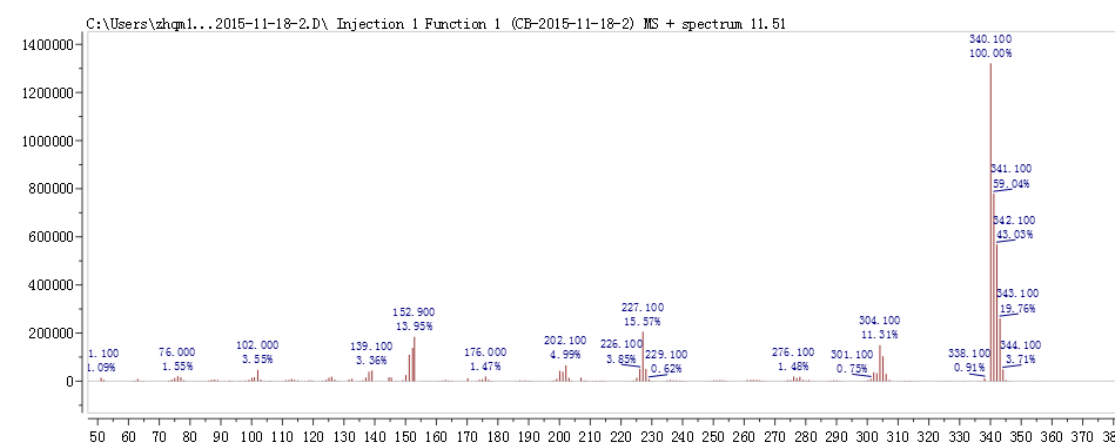


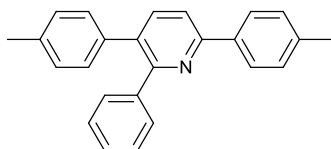


calcd for $C_{23}H_{16}N$: 325.1267, found: 325.2.

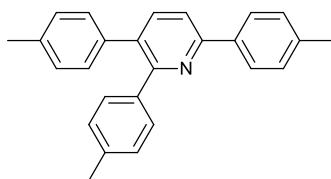
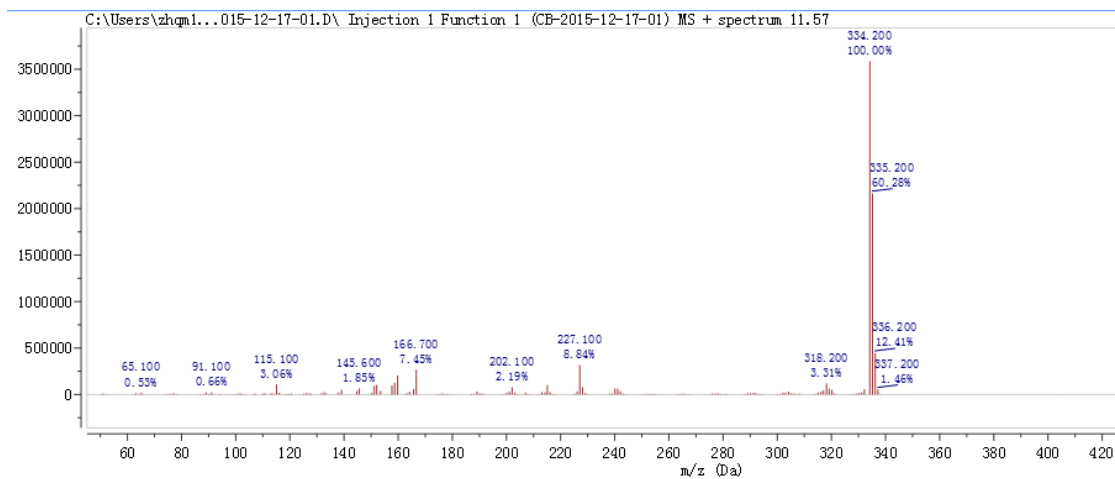


calcd for $C_{23}H_{16}ClN$: 341.0971, found: 341.1.

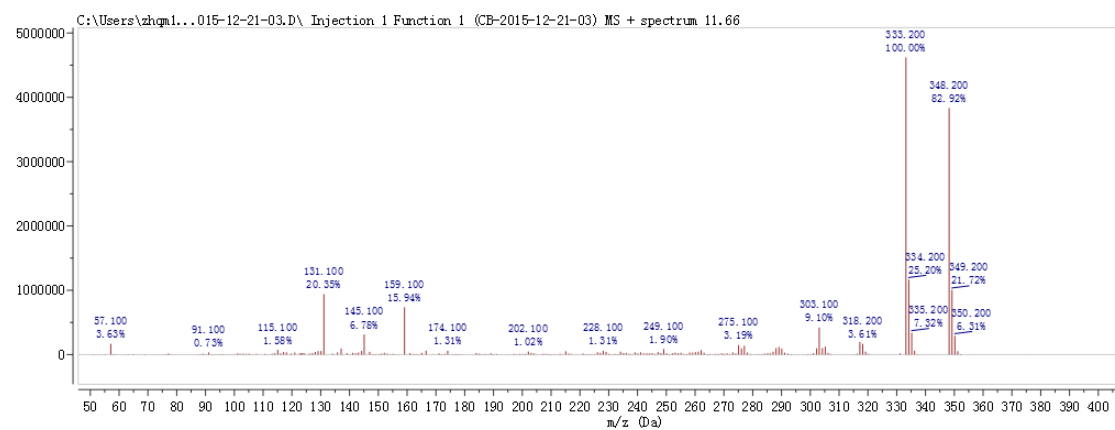


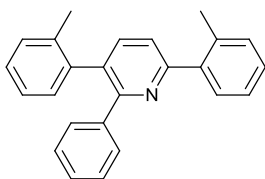


calcd for $C_{25}H_{21}N$: 335.1674, found: 335.2.

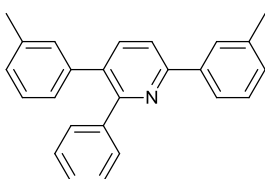
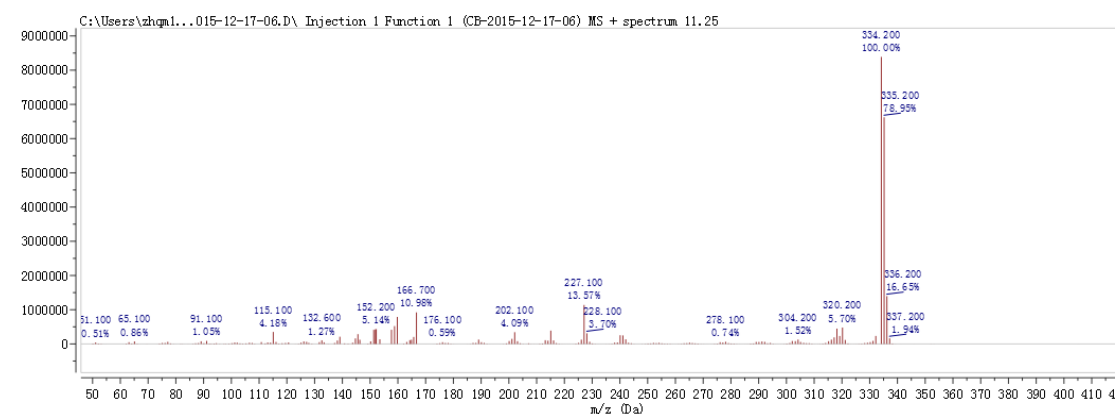


calcd for $C_{26}H_{23}N$: 349.1830, found: 349.2.

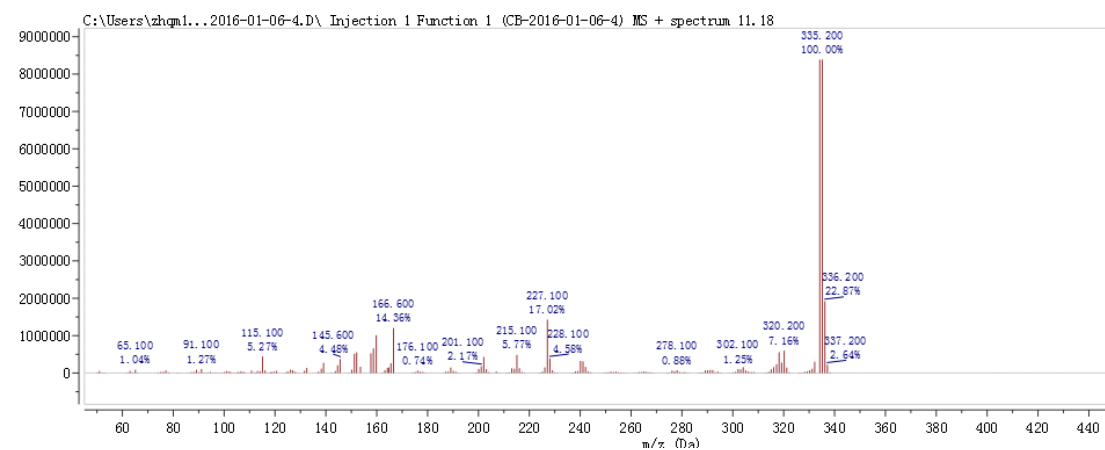


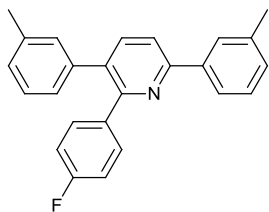


calcd for $C_{26}H_{23}N$: 335.1674, found: 335.2.

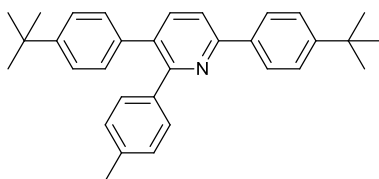
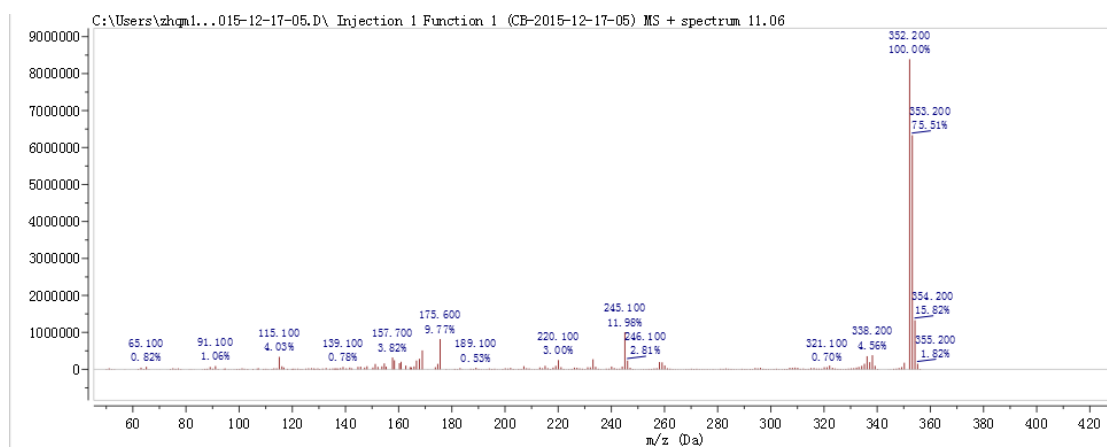


calcd for $C_{26}H_{23}N$: 335.1674, found: 335.2.

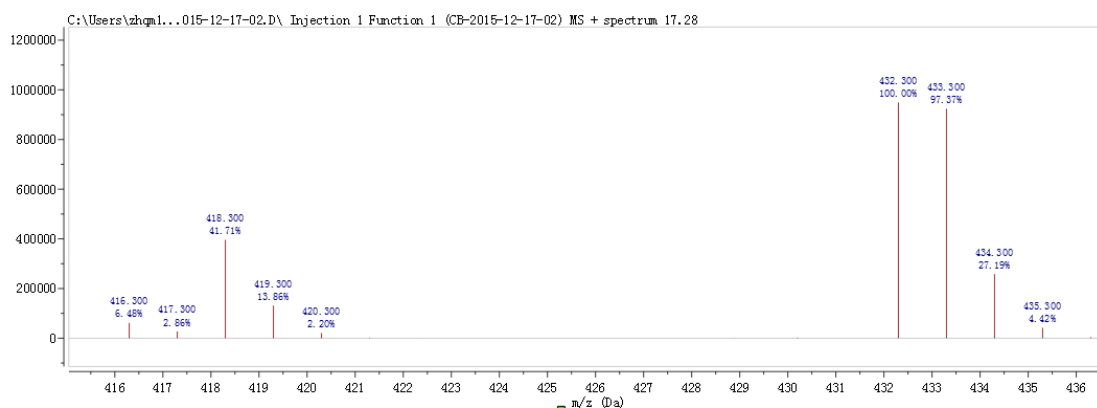


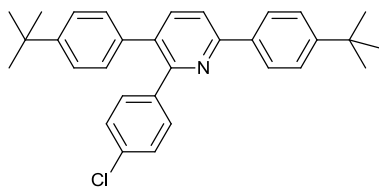


calcd for $C_{25}H_{20}FN$: 353.1580, found: 353.2.



calcd for $C_{32}H_{35}N$: 433.2770, found: 433.3





calcd for $C_{31}H_{32}ClN$: 453.2223, found: 453.3

