

Synthesis of New 2-Arylbenzo[b]furan Derivatives via Palladium-Catalyzed Suzuki Cross Coupling Reactions in Aqueous Media

Supporting Information

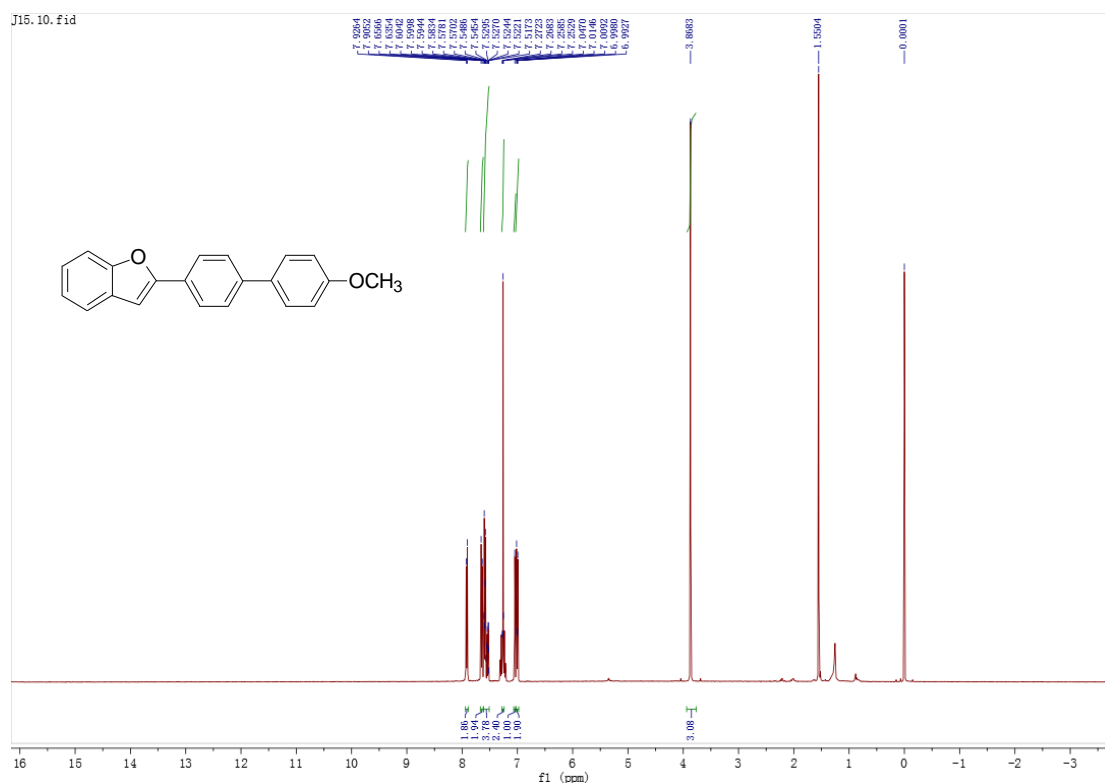
Qianqian Chen, Panli Jiang, Mengping Guo* and Jianxin Yang*

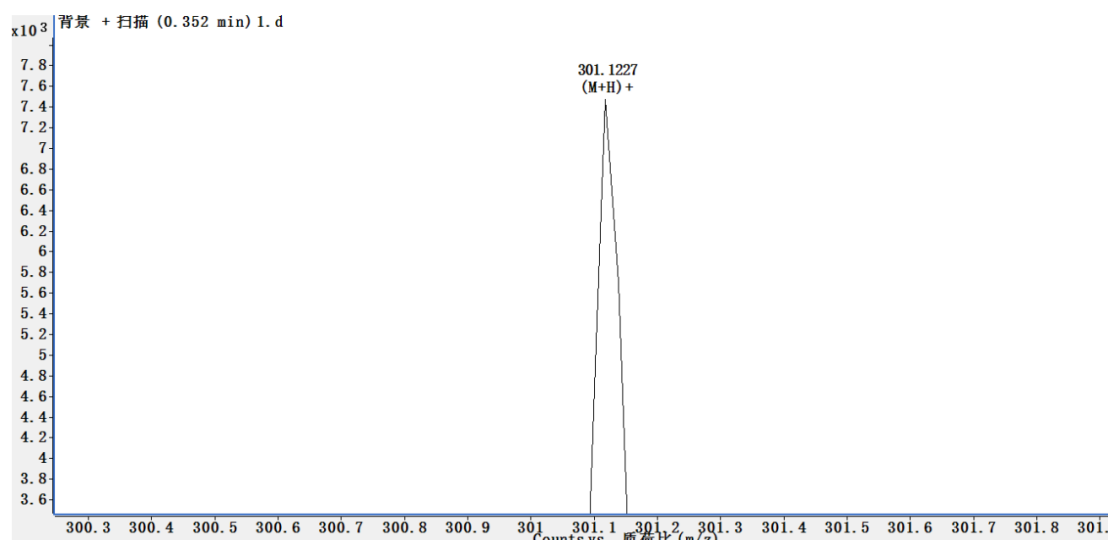
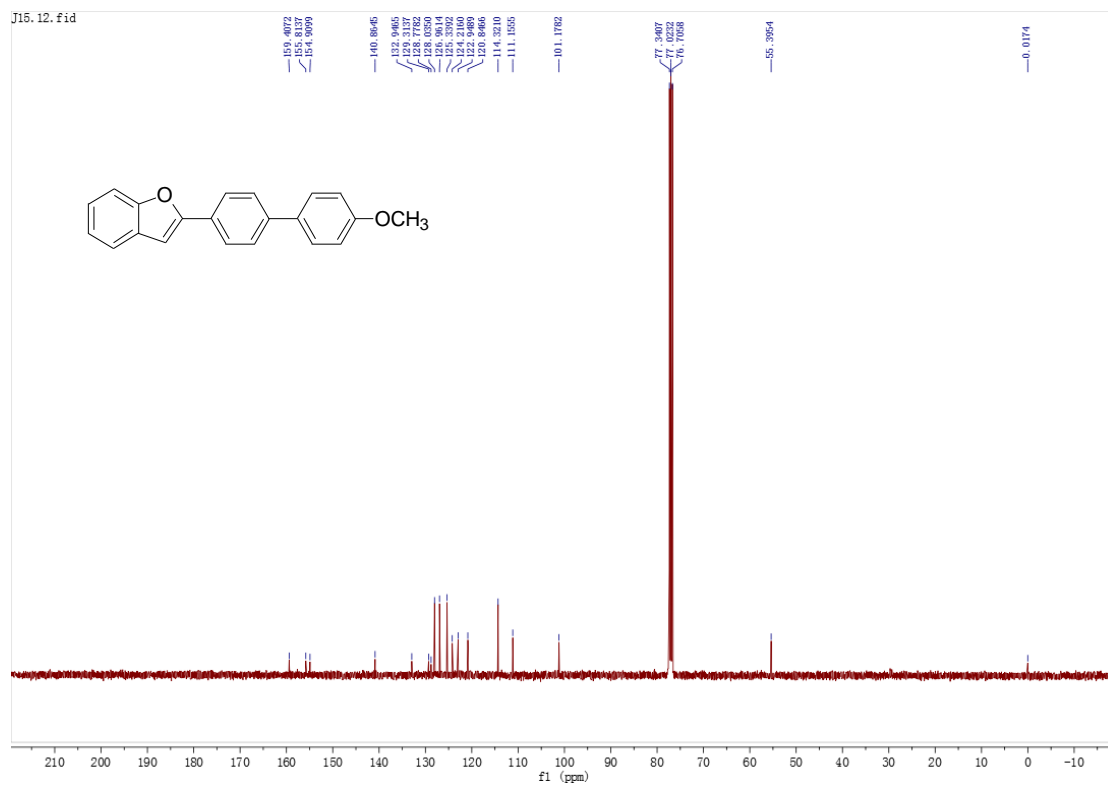
¹ Hainan Provincial Fine Chemical Engineering Research Center, Laboratory of Green Catalysis and Reaction Engineering of Haikou, College of Chemistry and Chemical Engineering, Hainan University, 570228, China;

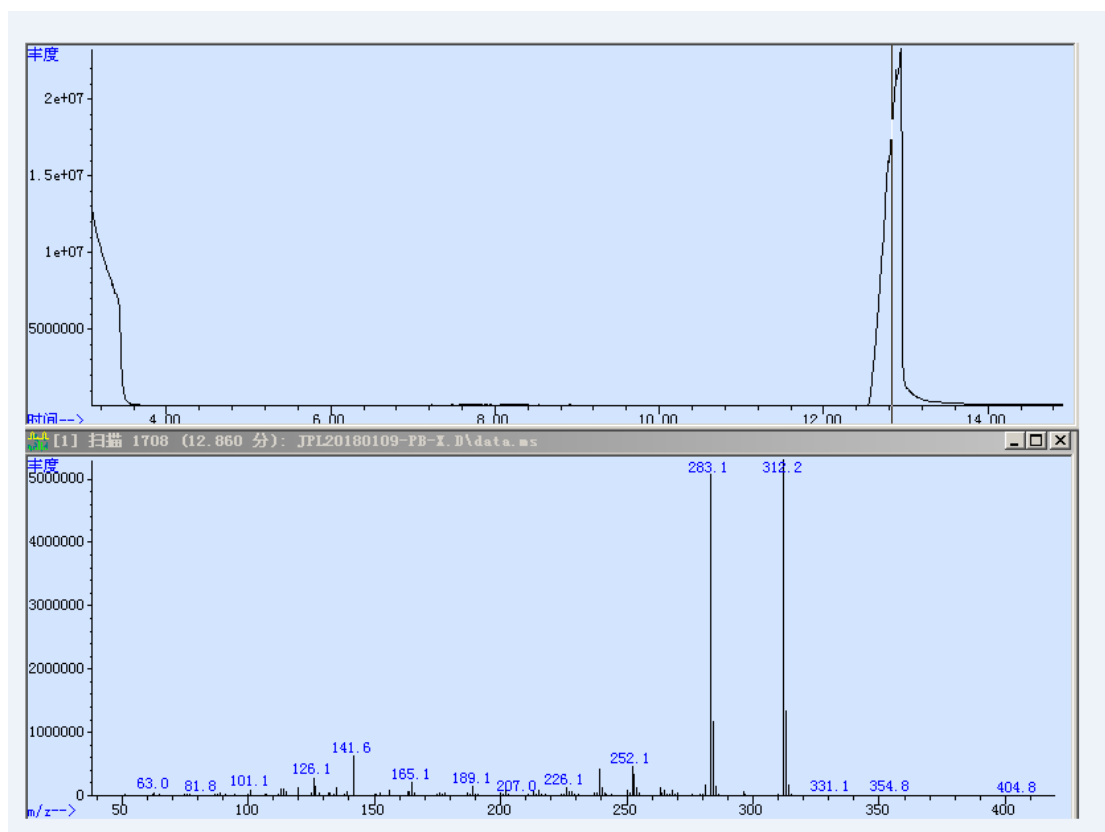
² Institute of Coordination Catalysis, College of Chemistry and Bio-Engineering, Yichun University, Yichun 336000, China;

Characterization

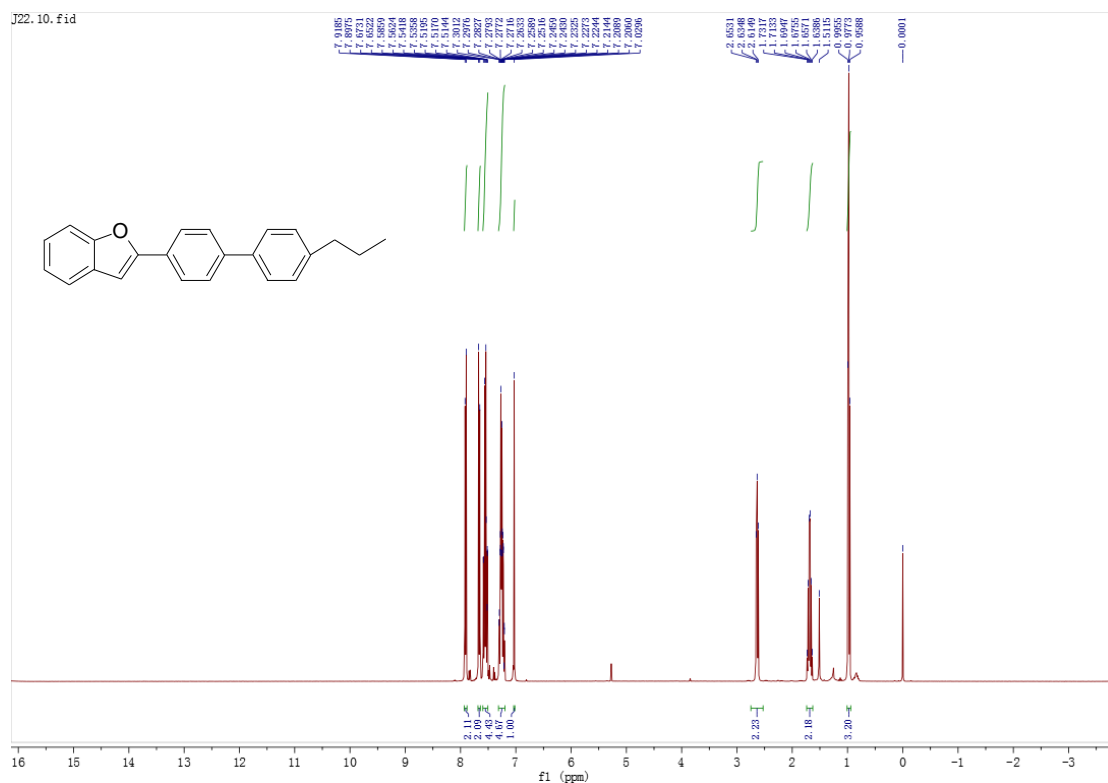
1. ¹H-NMR, ¹³C-NMR, HRMS and GC-MS of 2-(4'-Methoxy-biphenyl-4-yl)-benzofuran (solvent:chloroform-d)

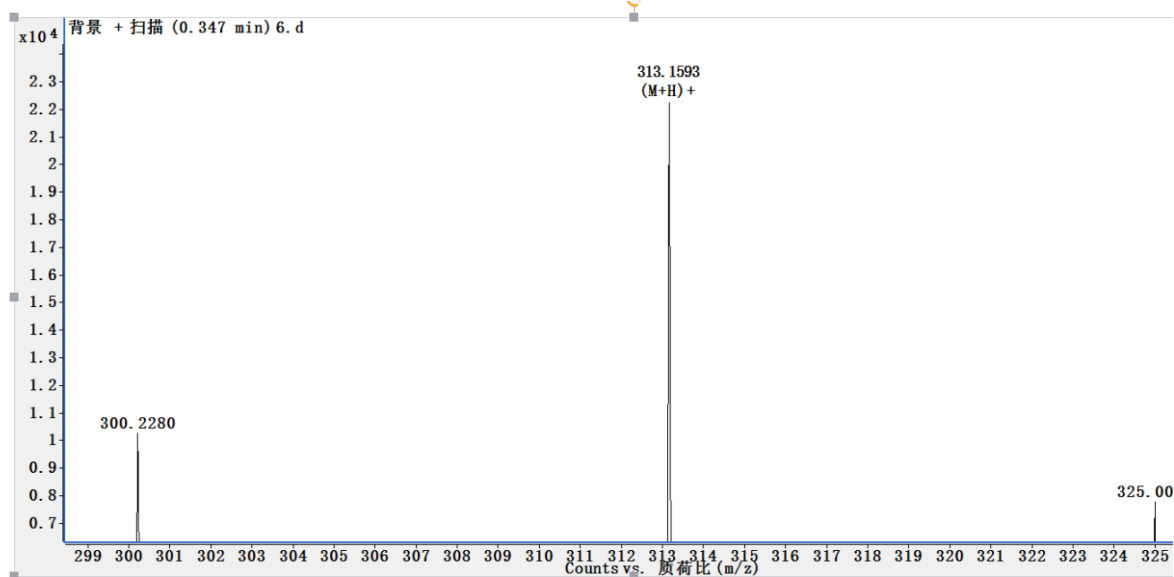
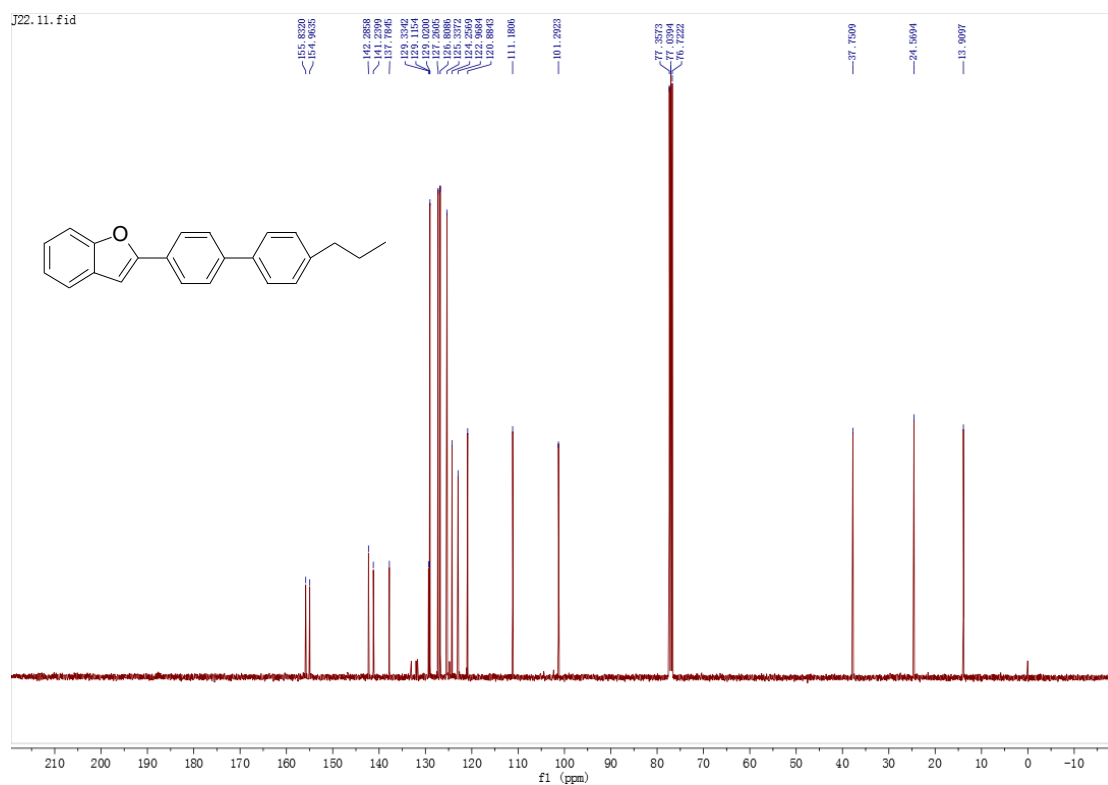


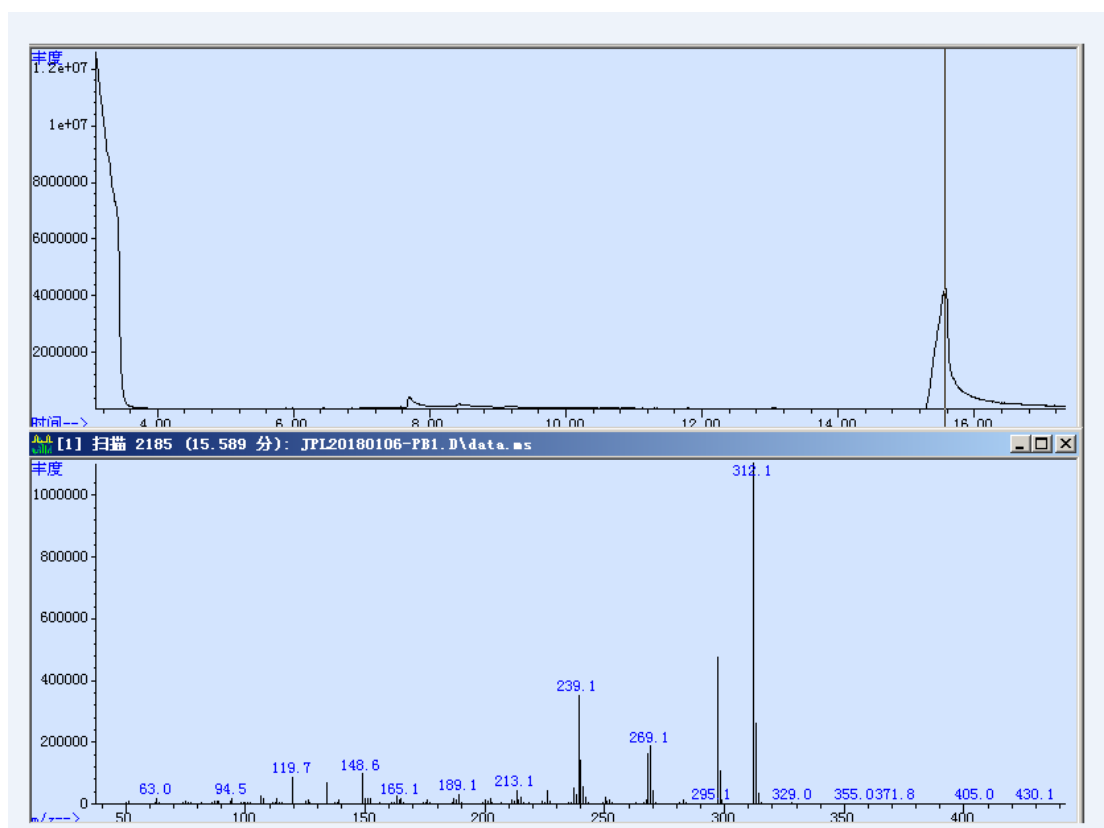




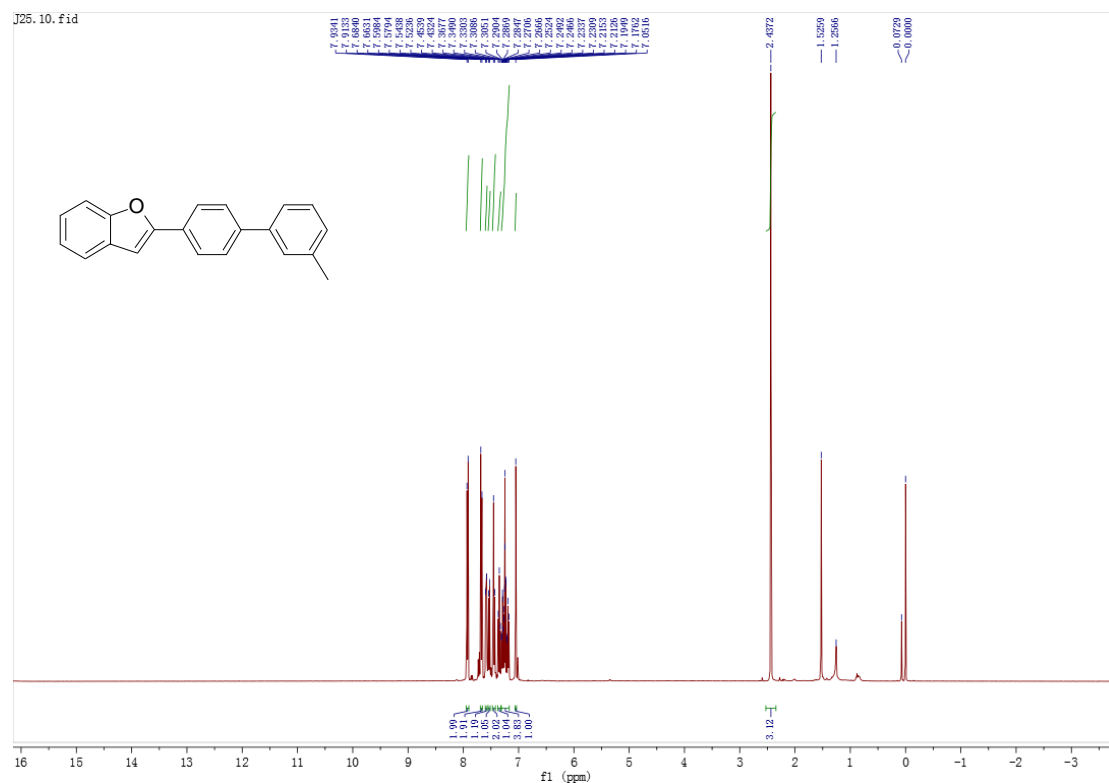
3. ^1H -NMR, ^{13}C -NMR, **HRMS** and **GC-MS** of 2-(4'-Propyl-biphenyl-4-yl)-benzofuran (**solvent:chloroform-d**)

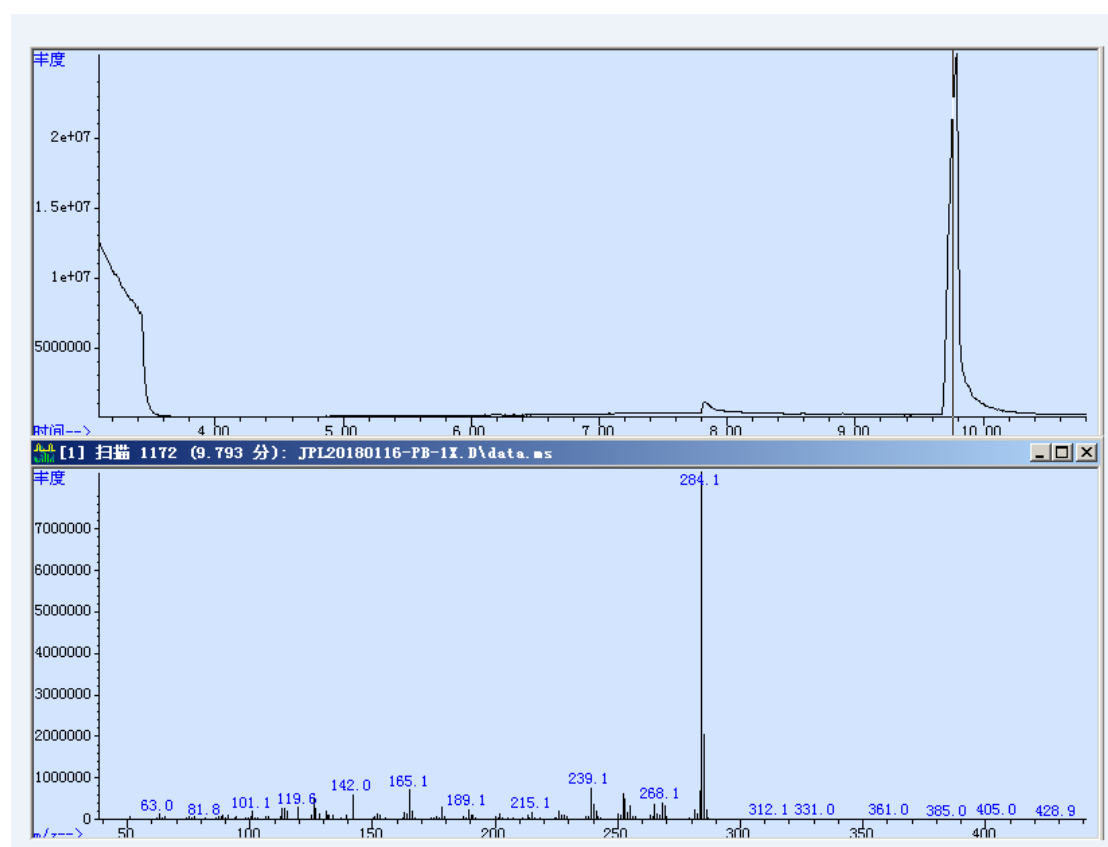
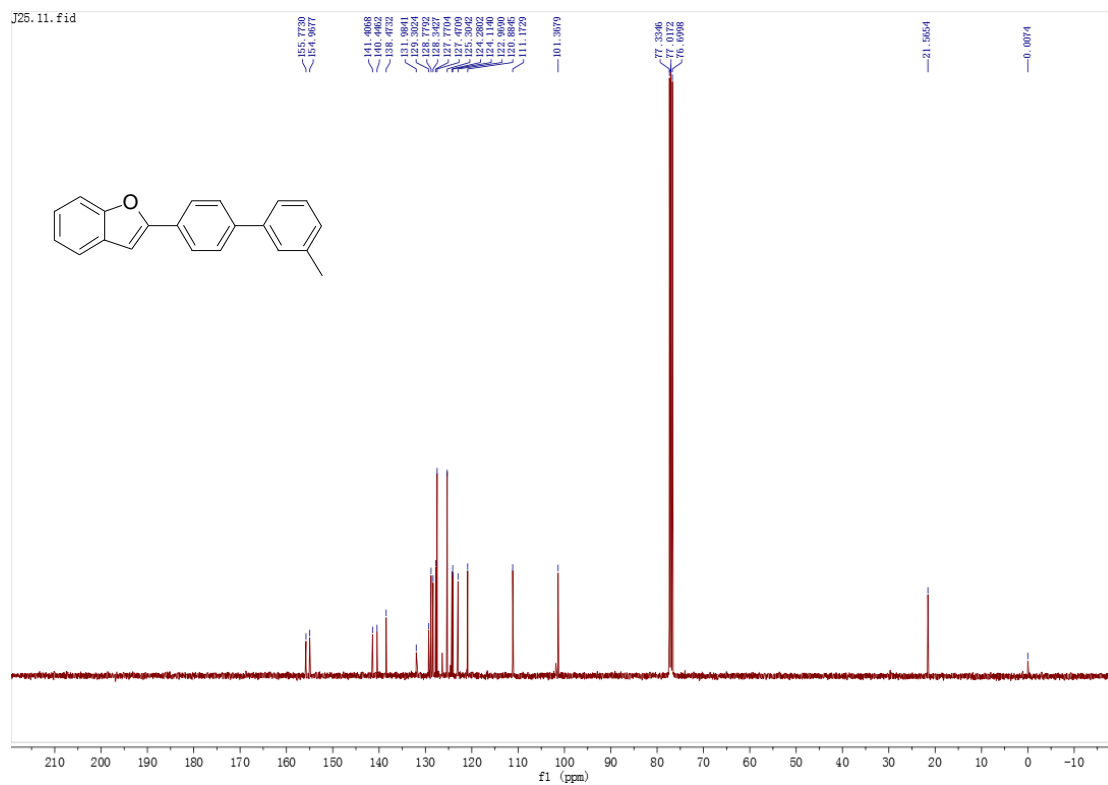




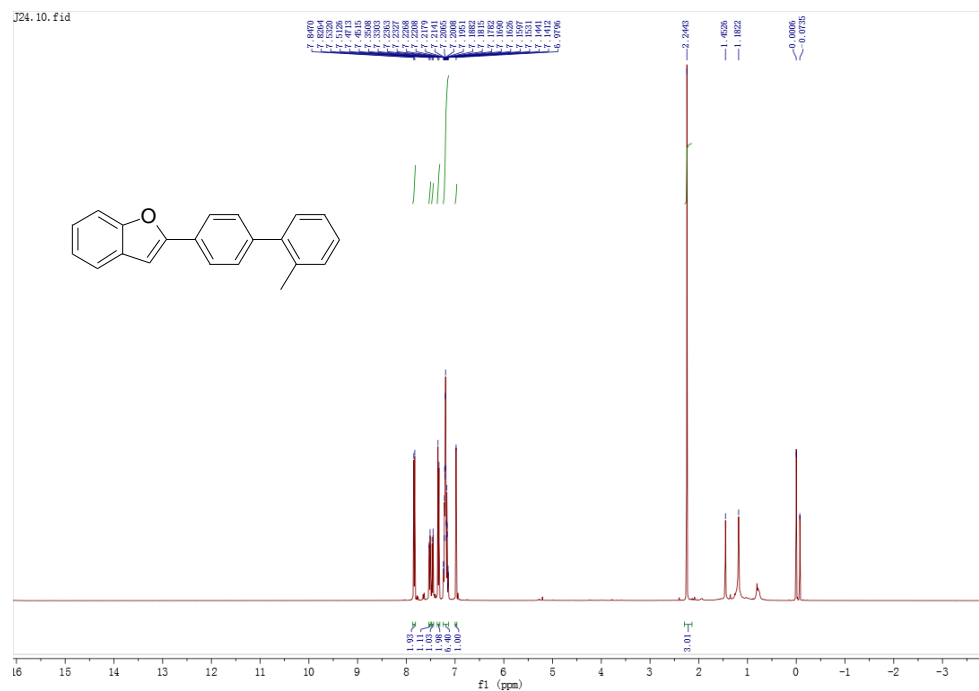


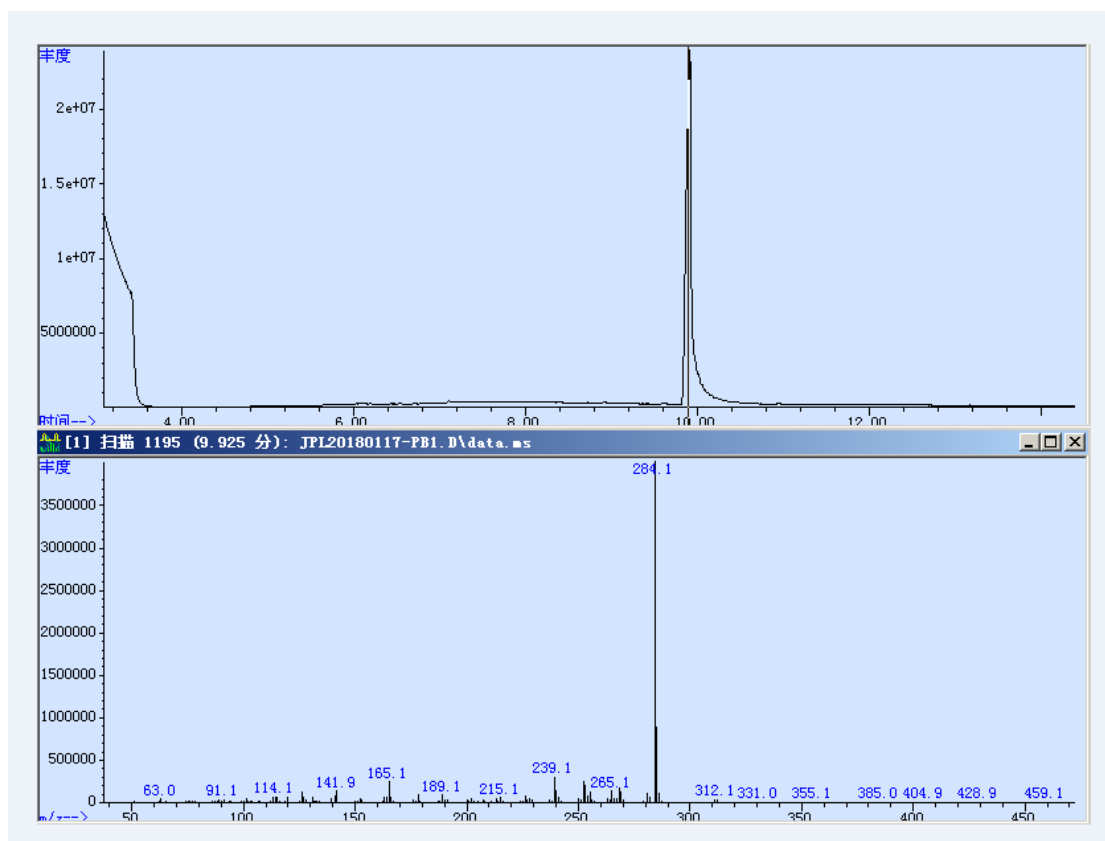
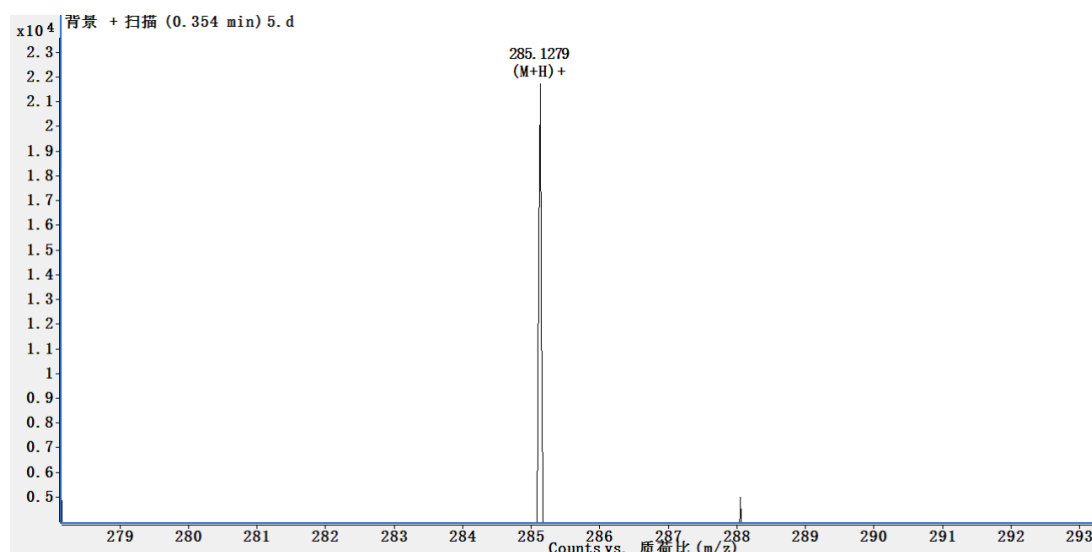
4. ^1H -NMR, ^{13}C -NMR, HRMS and GC-MS of 2-(3'-Methyl-biphenyl-4-yl)-benzofuran (solvent:chloroform-d)



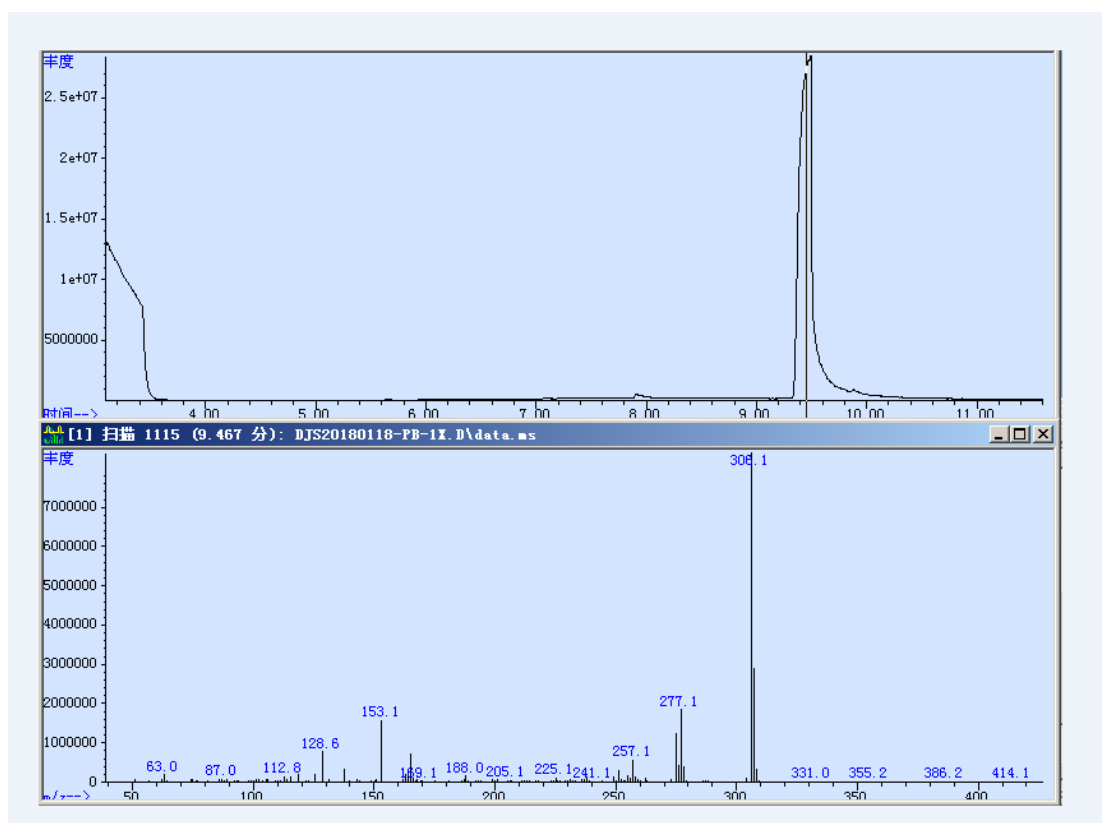
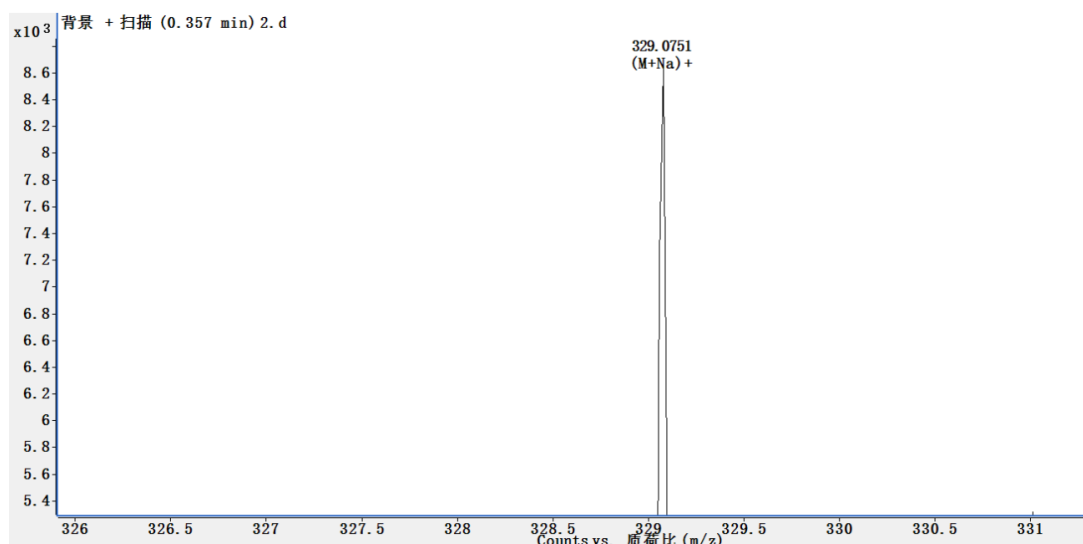


5. ^1H -NMR, ^{13}C -NMR, **HRMS**, **GC-MS** of
2-(2'-Methyl-biphenyl-4-yl)-benzofuran (solvent:chloroform-d)





6. ¹H-NMR, ¹³C-NMR, **HRMS**, **GC-MS** of
2-(3',4'-Difluoro-biphenyl-4-yl)-benzofuran (solvent:chloroform-d)



7. ^1H -NMR, ^{13}C -NMR, **HRMS** and **GC-MS** of
2-(3',5'-Difluoro-biphenyl-4-yl)-benzofuran (**solvent:chloroform-d**)

