
Supporting information

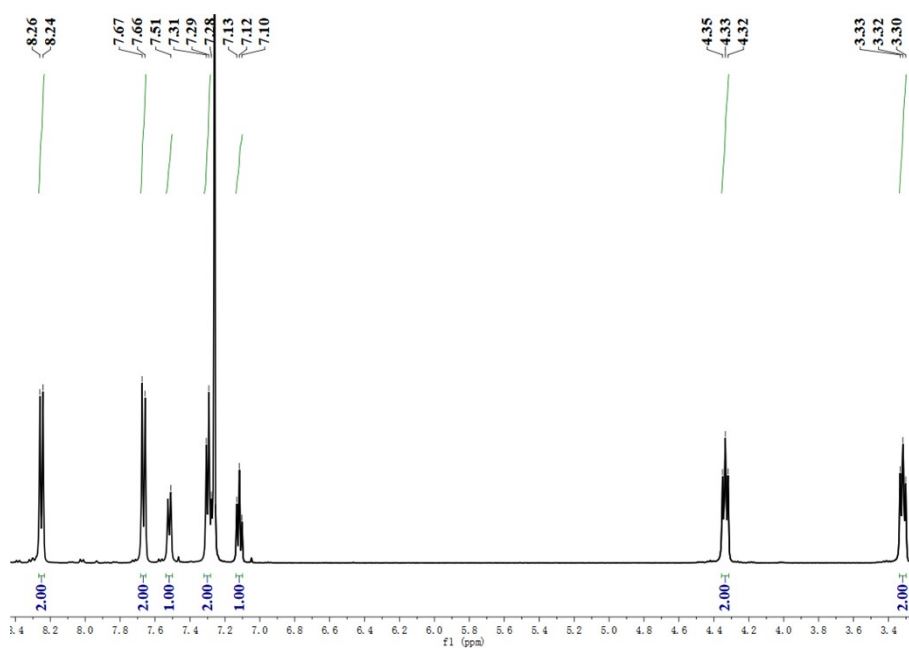
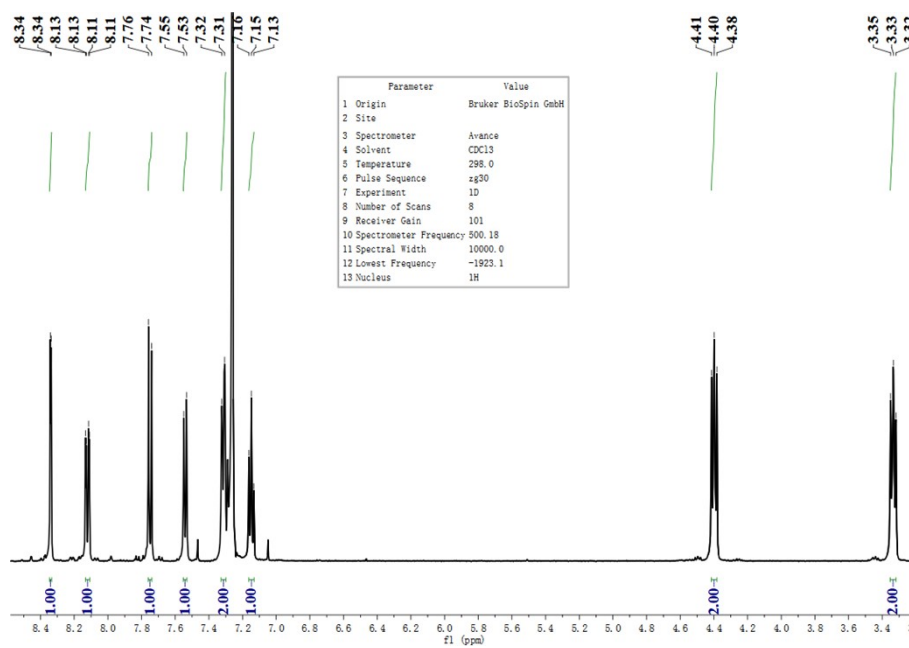
Investigation of novel Indoline azo disperse dyes: synthesis, DFT simulation, and dyeing performance on PET and PA fabrics

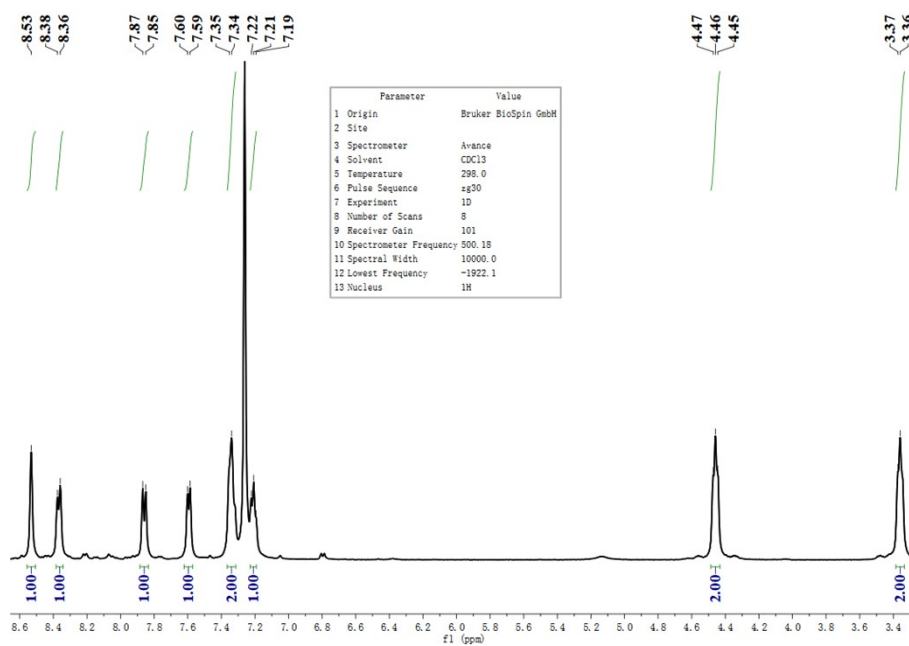
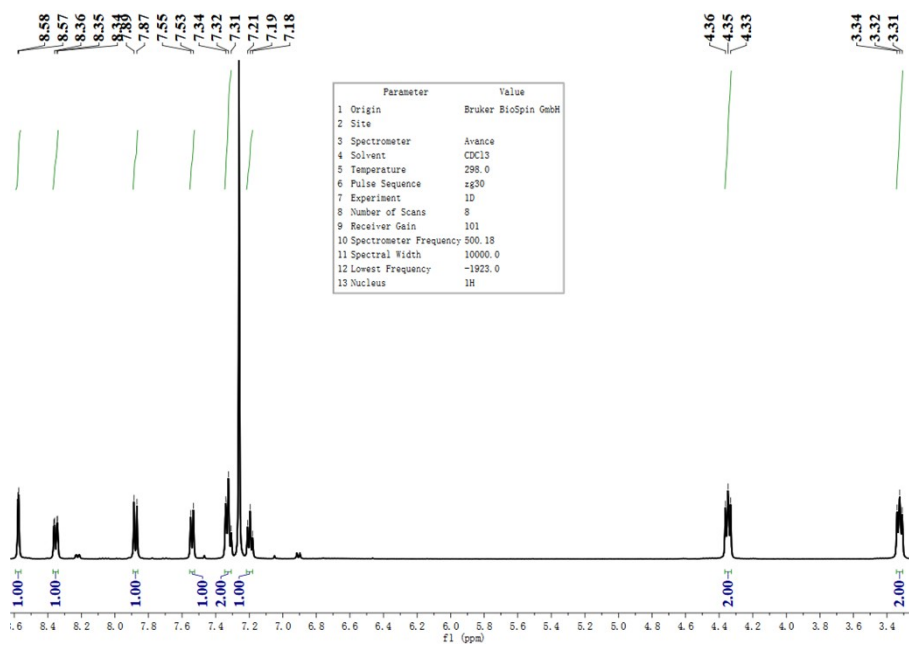
Xiyu Song, ^{*a} Mingda Li, ^a Chuang Dai, ^a Jingyi Li, ^b Yu Wang, ^a Aiqin Hou^b and
Hongfei Qian^a

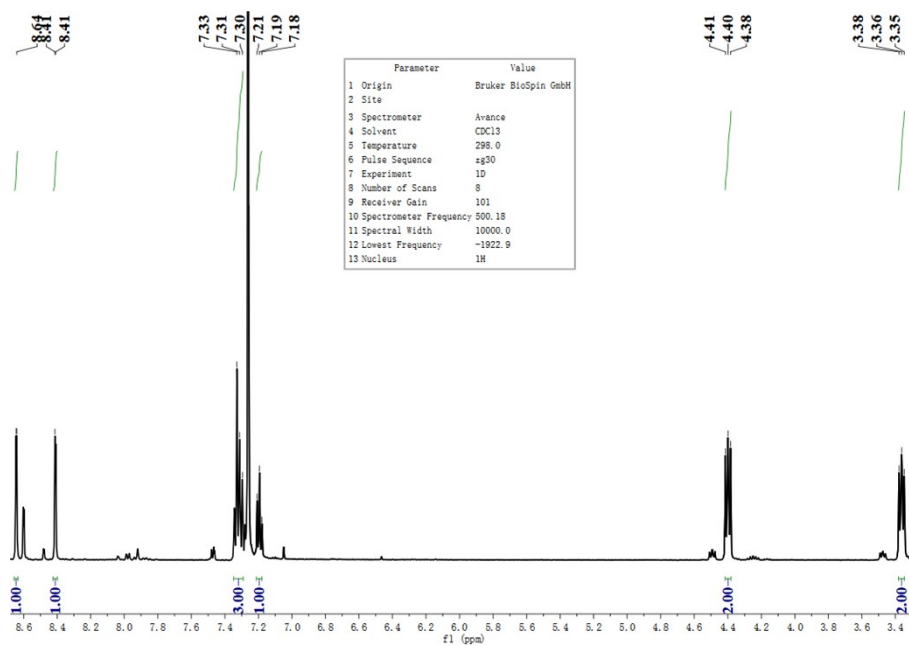
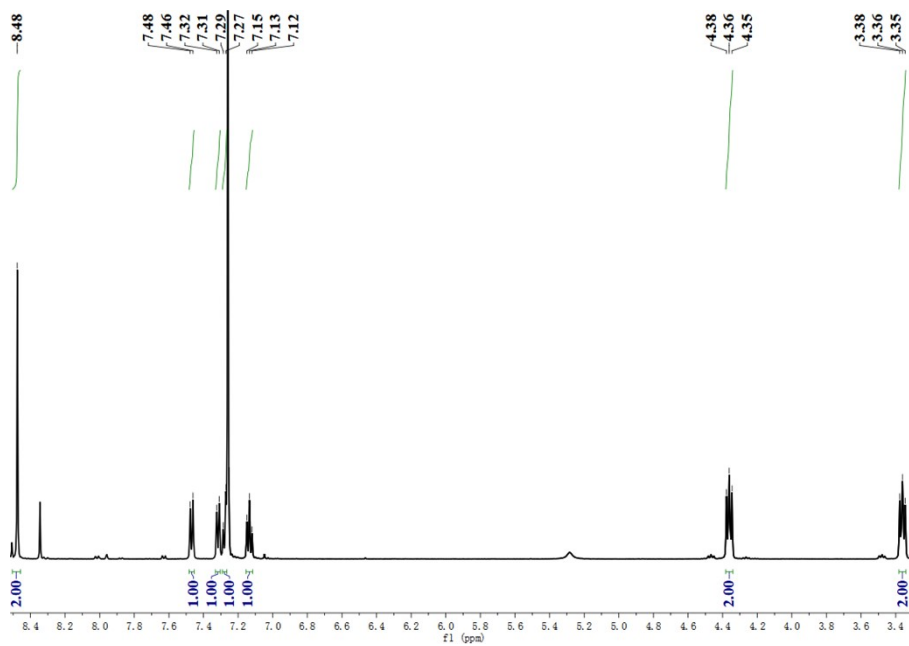
a. *Key Laboratory of Clean Dyeing and Finishing Technology of Zhejiang Province,
Shaoxing University, Shaoxing 312000, China*

b. *College of Chemistry and Chemical Engineering, Donghua University, Shanghai
201620, P R China*

* *Corresponding author. E-mail address: xiyusong@usx.edu.cn (Xiyu Song)*

Fig. S1. ¹H-NMR spectrum of D1Fig. S2. ¹H-NMR spectrum of D2

Fig. S3. ^1H -NMR spectrum of D3Fig. S4. ^1H -NMR spectrum of D4

Fig. S5. ¹H-NMR spectrum of D5Fig. S6. ¹H-NMR spectrum of D6

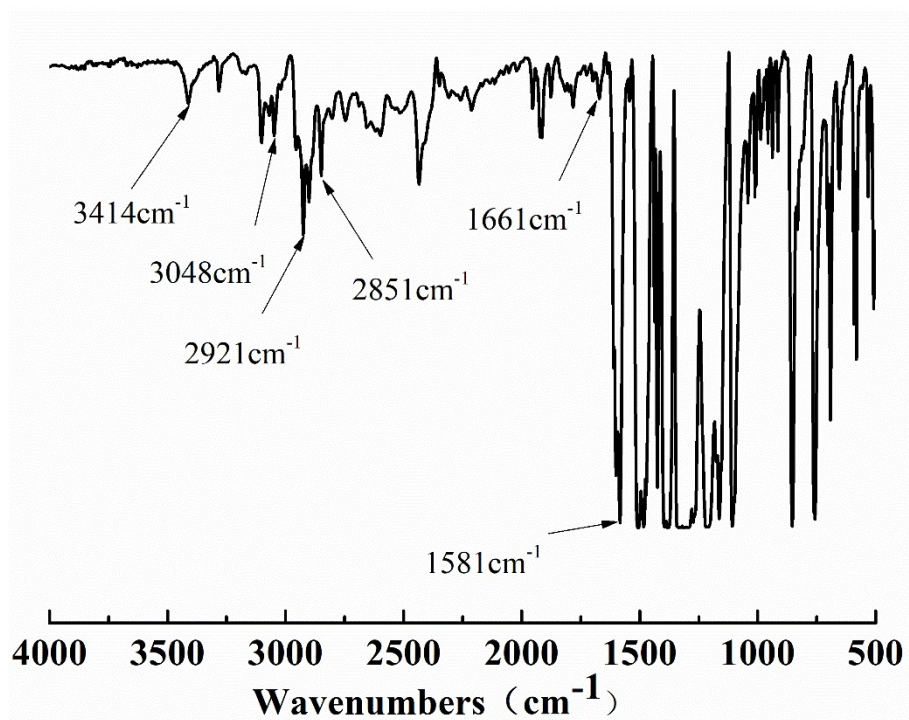


Fig. S7. FTIR spectrum of D1

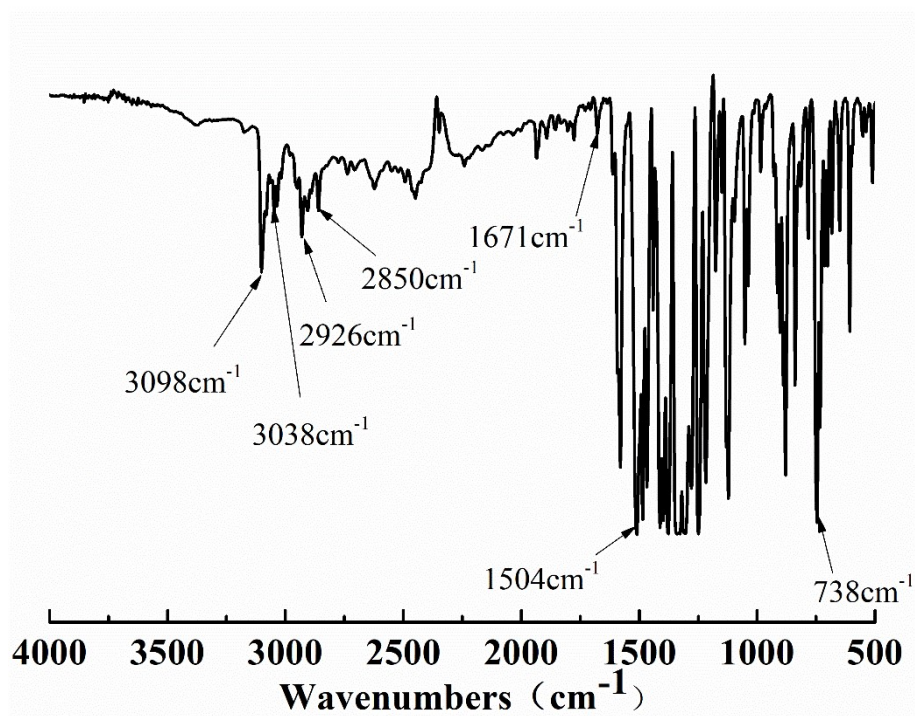


Fig. S8. FTIR spectrum of D2

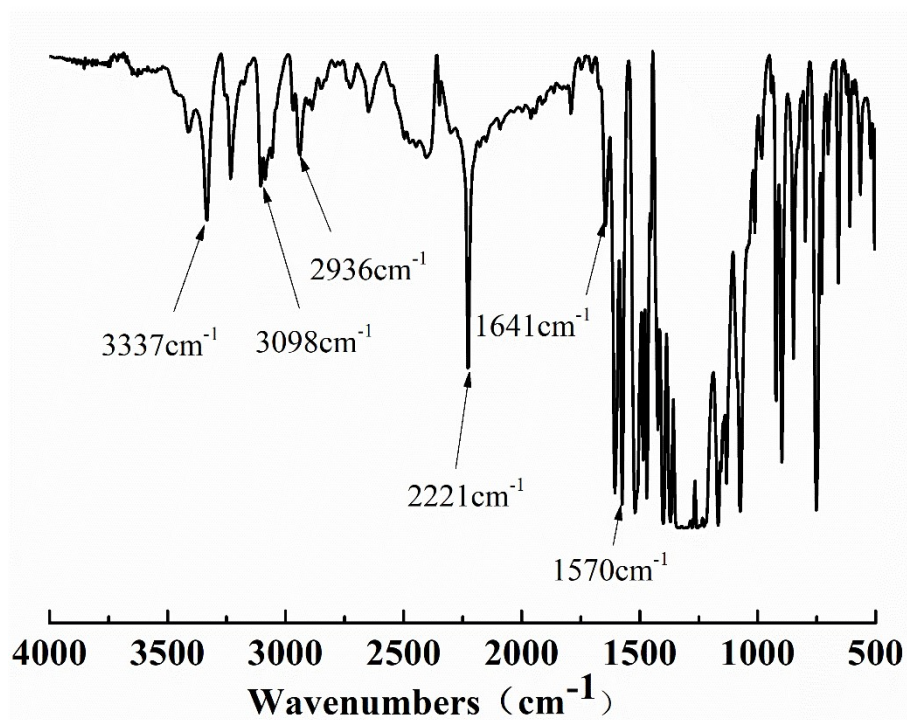


Fig. S9. FTIR spectrum of D3

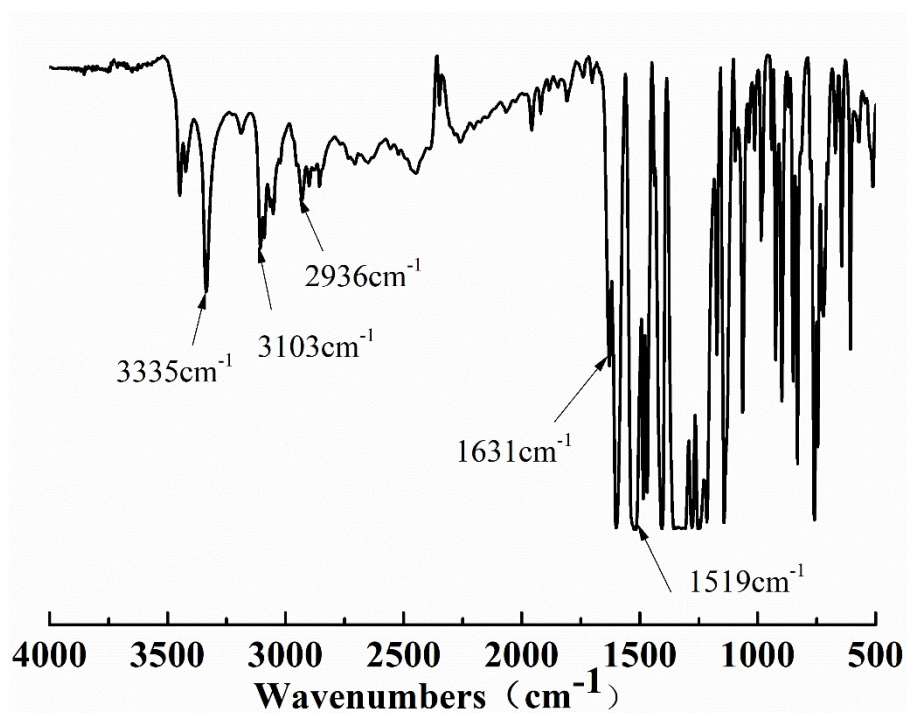


Fig. S10. FTIR spectrum of D4

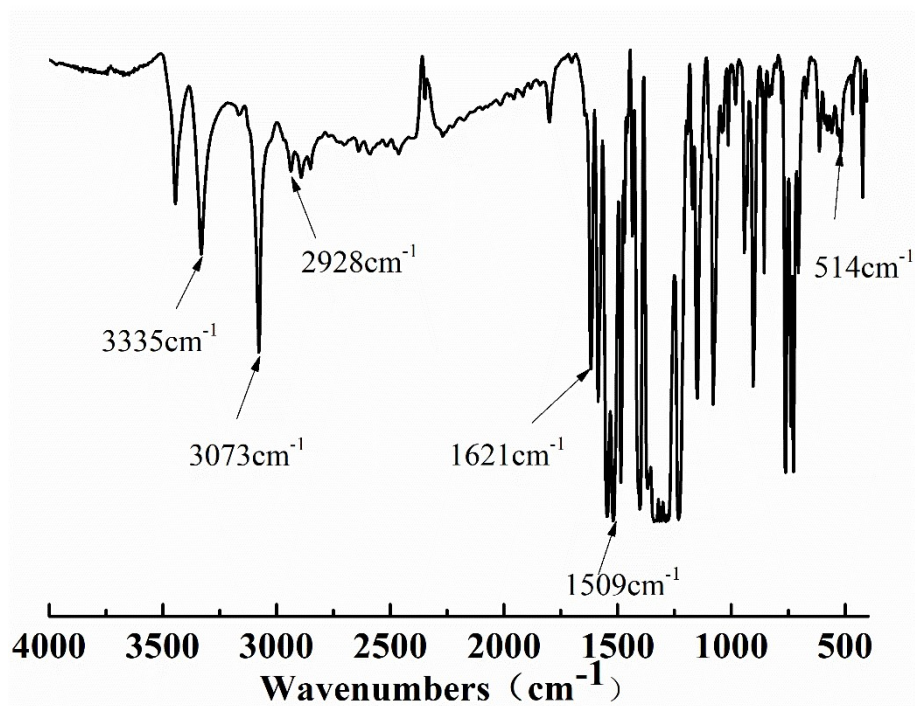


Fig. S11. FTIR spectrum of D5

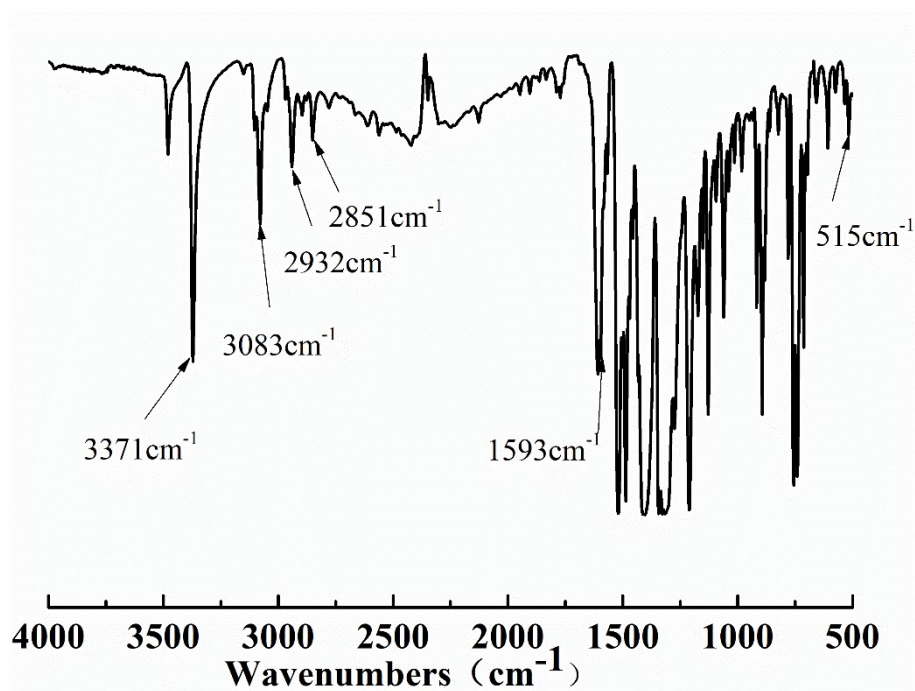


Fig. S12. FTIR spectrum of D6

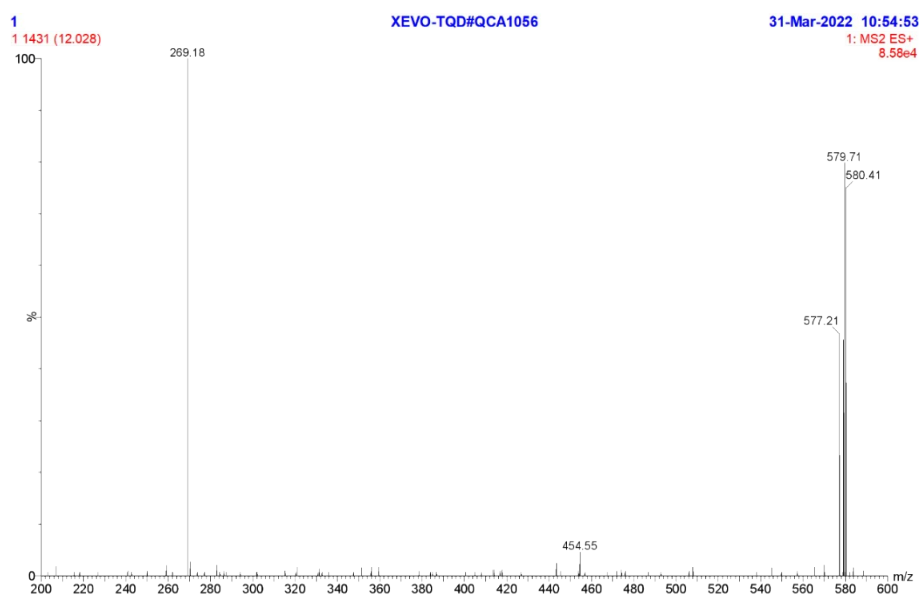


Fig. S13. MS spectrum of D1

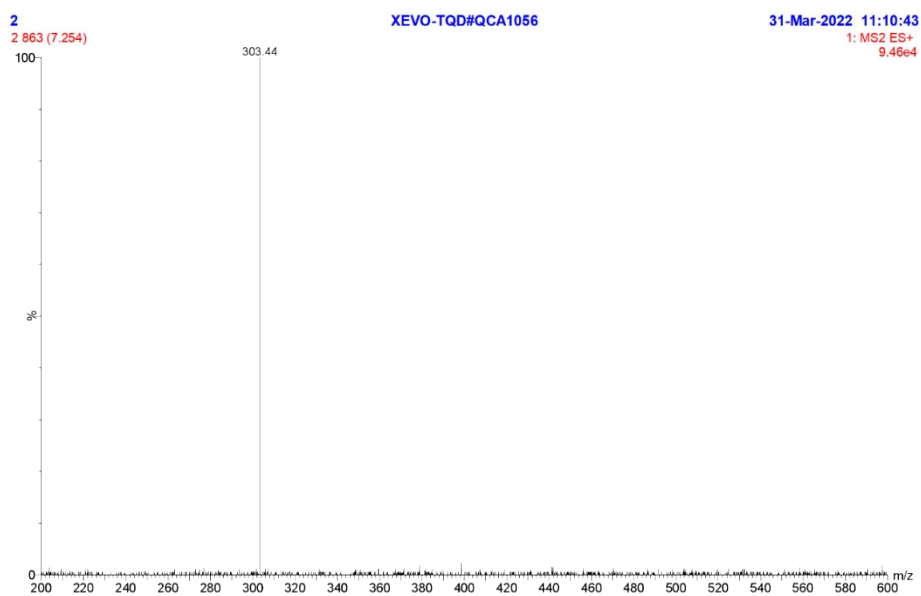


Fig. S14. MS spectrum of D2

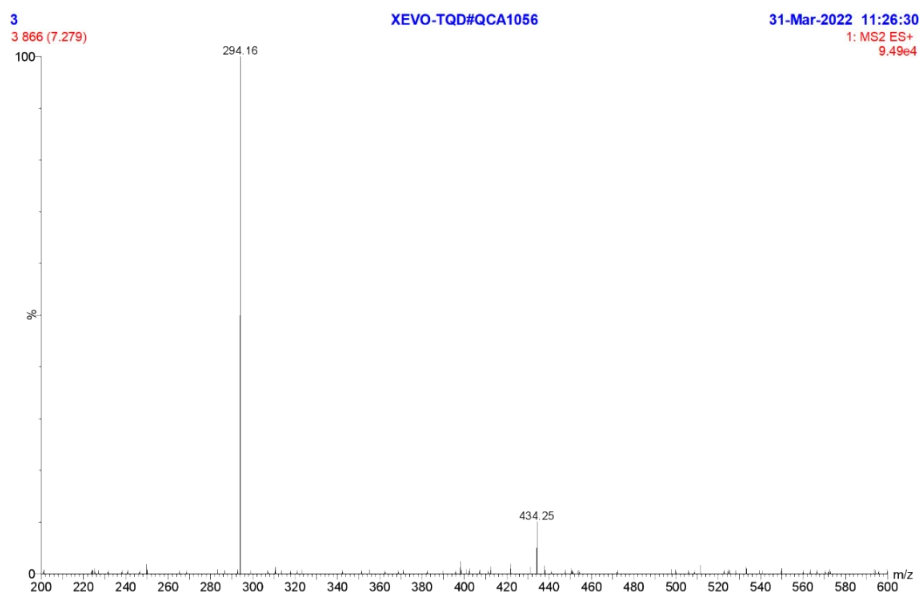


Fig. S15. MS spectrum of D3

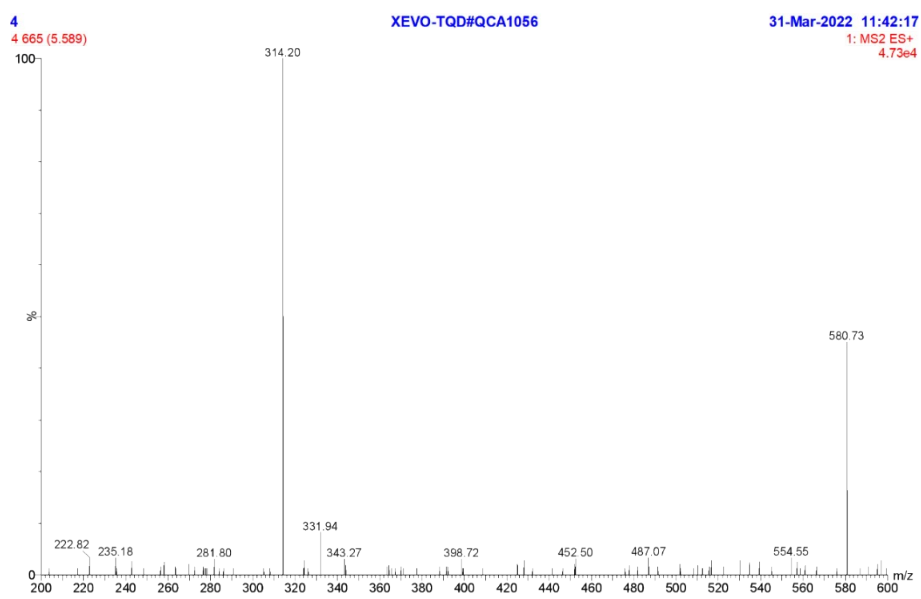


Fig. S16. MS spectrum of D4

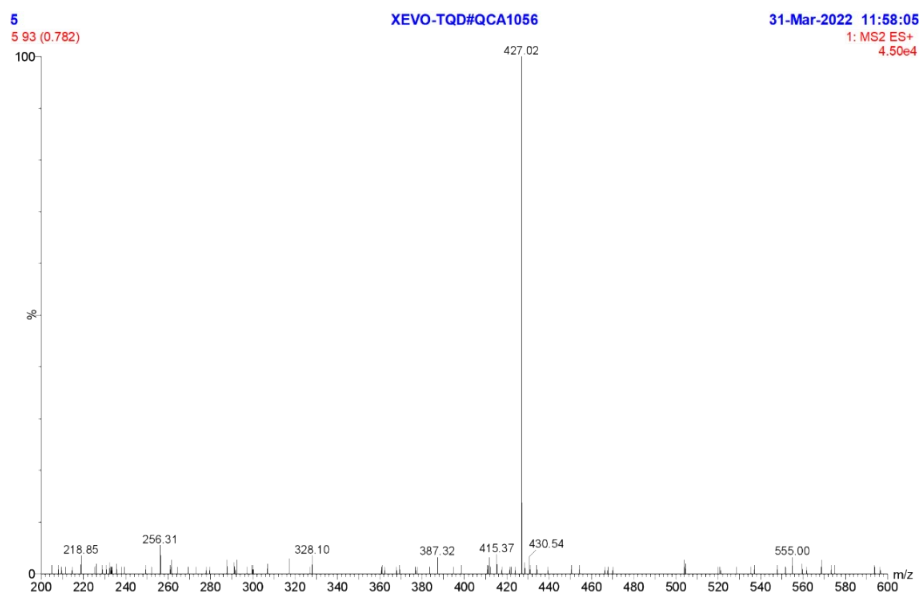


Fig. S17. MS spectrum of D5

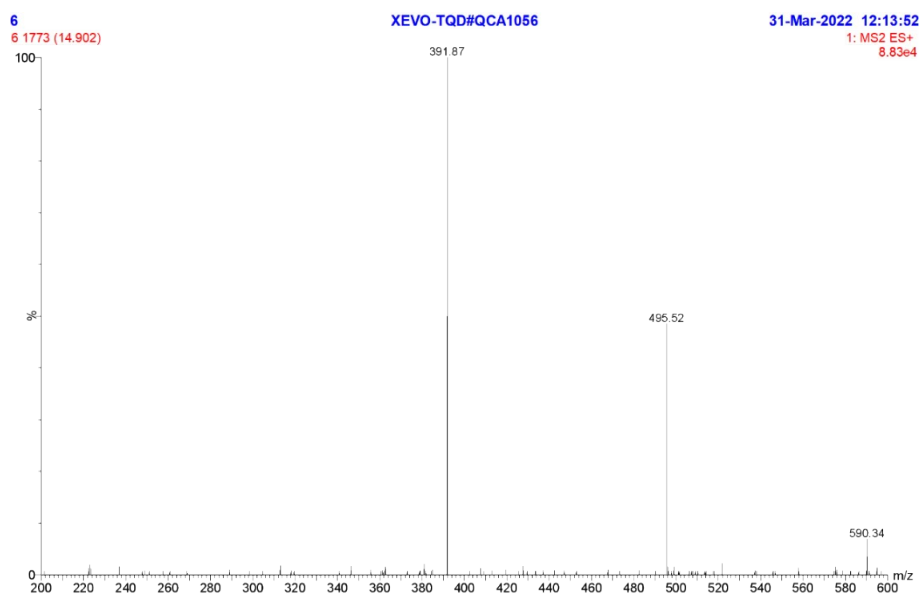


Fig. S18. MS spectrum of D6