**Electronic Supplementary Information (ESI)**

**A Naked-Eye Visible Colorimetric and Ratiometric Chemosensor Based on Schiff Base for Fluoride Anion Detection**

Liu Yang1,†, Yu-Long Liu1,†, Cheng-Guo Liu2, Ying Fu1,\* , Fei Ye1,\*

1 Department of Applied Chemistry, College of Arts and Sciences, Northeast Agricultural University, Harbin, 150030, People’s Republic of China.

2 Department of State Assets Management, Northeast Agricultural University, Harbin, 150030, People’s Republic of China.

\* Corresponding author. Tel.: +86-451-55190070. E-mail address: fuying@neau.edu.cn

yefei@neau.edu.cn

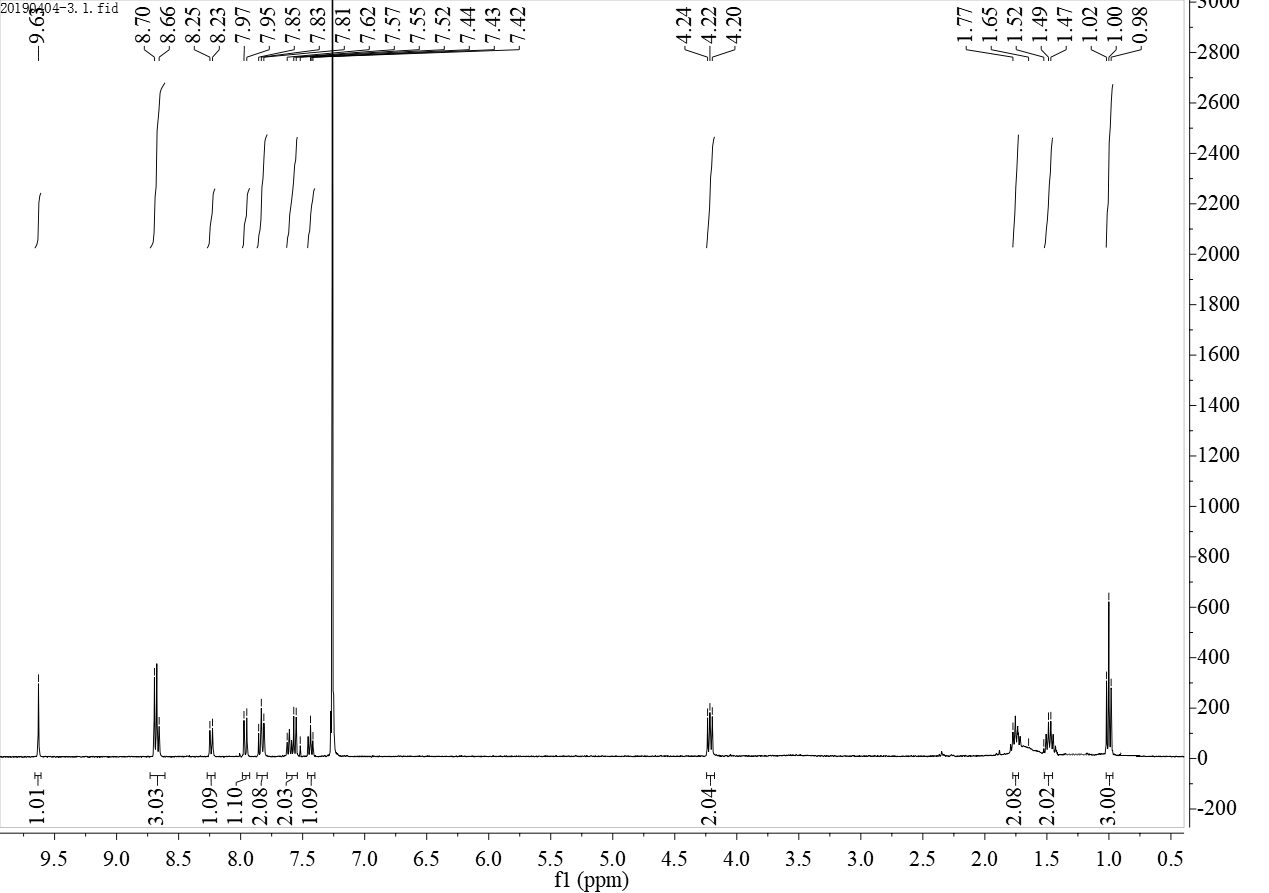
† These authors contributed equally to this work.



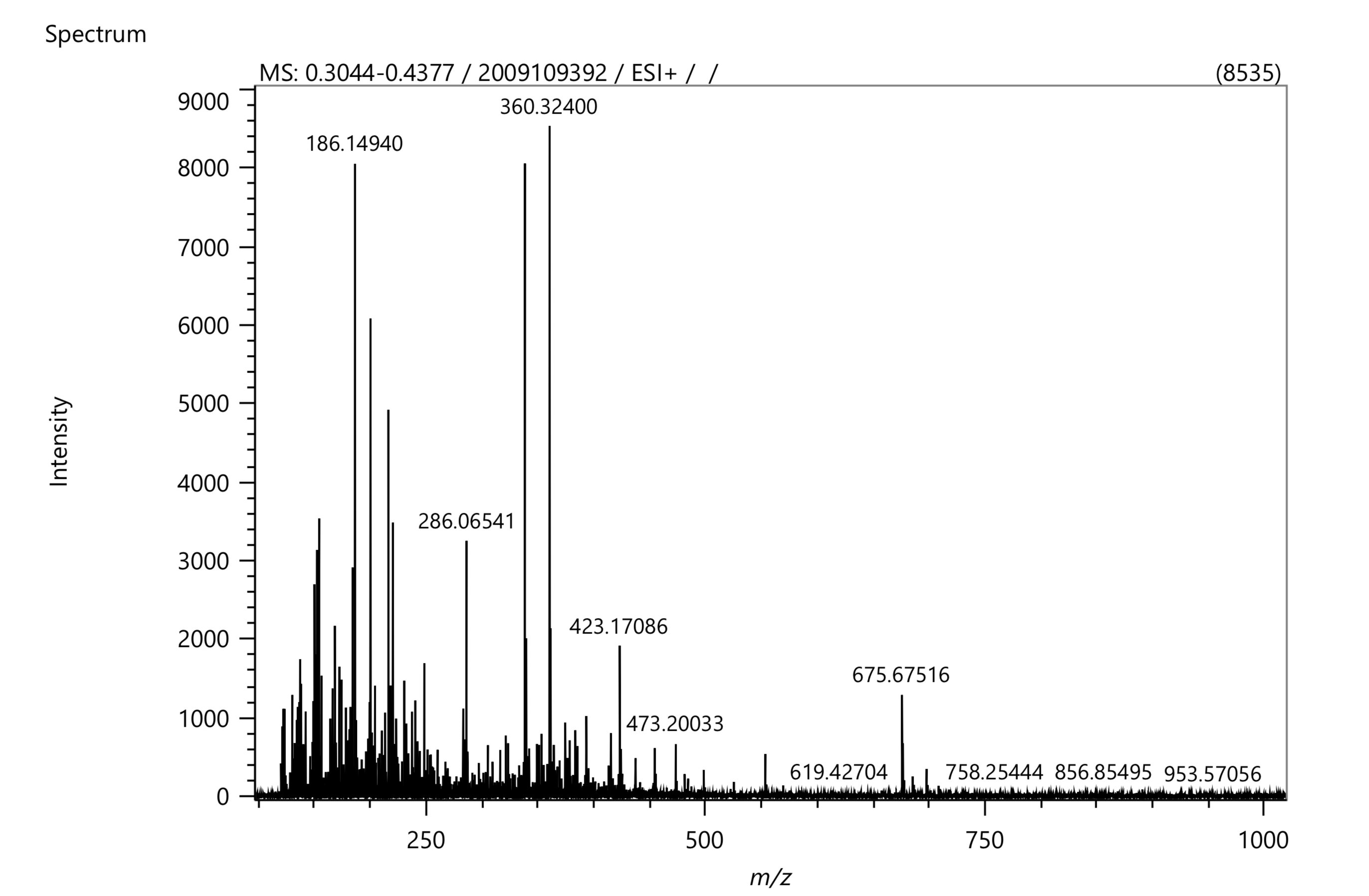
**Figure S1.** 1H NMR of Compound **2**.



**Figure S2.** 1H NMR of Compound **3**.



**Figure S3.** 1H NMR of **HNA**.

**Figure S4.** HRMS of **HNA**.****