

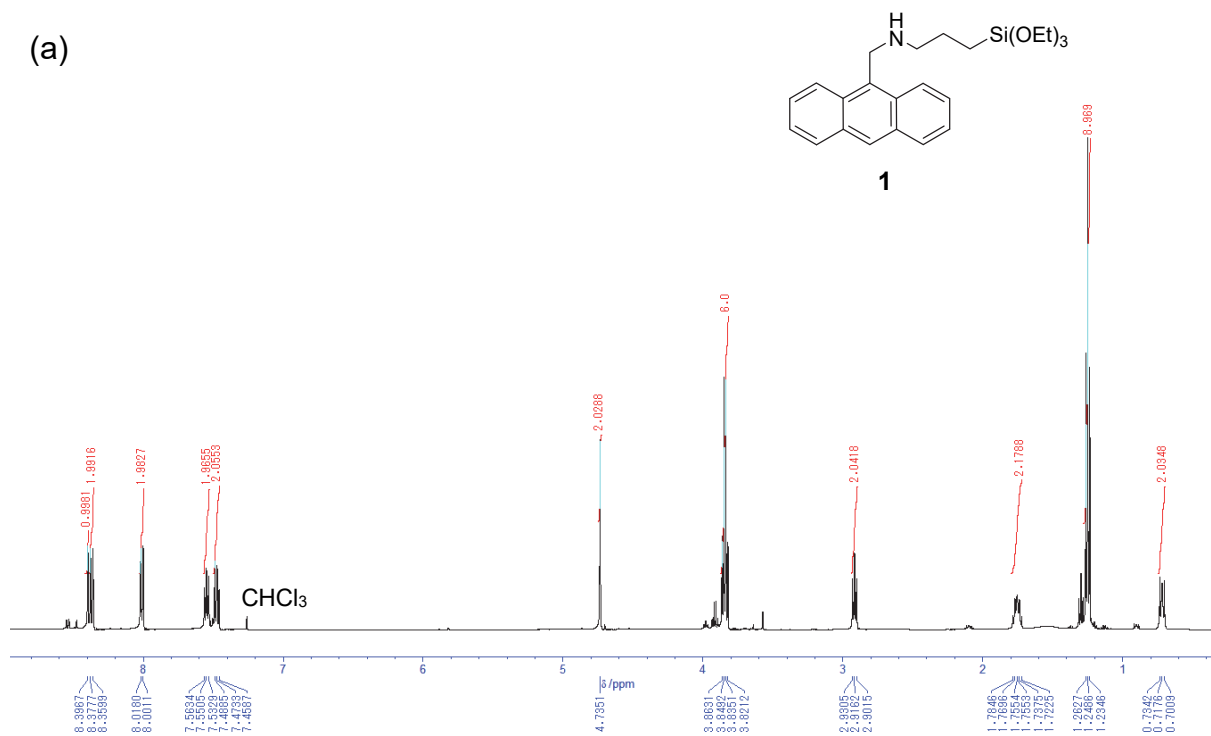
## Supplementary Information

### **Anthracene-(aminomethyl)phenylboronic acid ester-immobilized glass substrate as fluorescent sensing materials based on photo-induced electron transfer for detection and visualization of water**

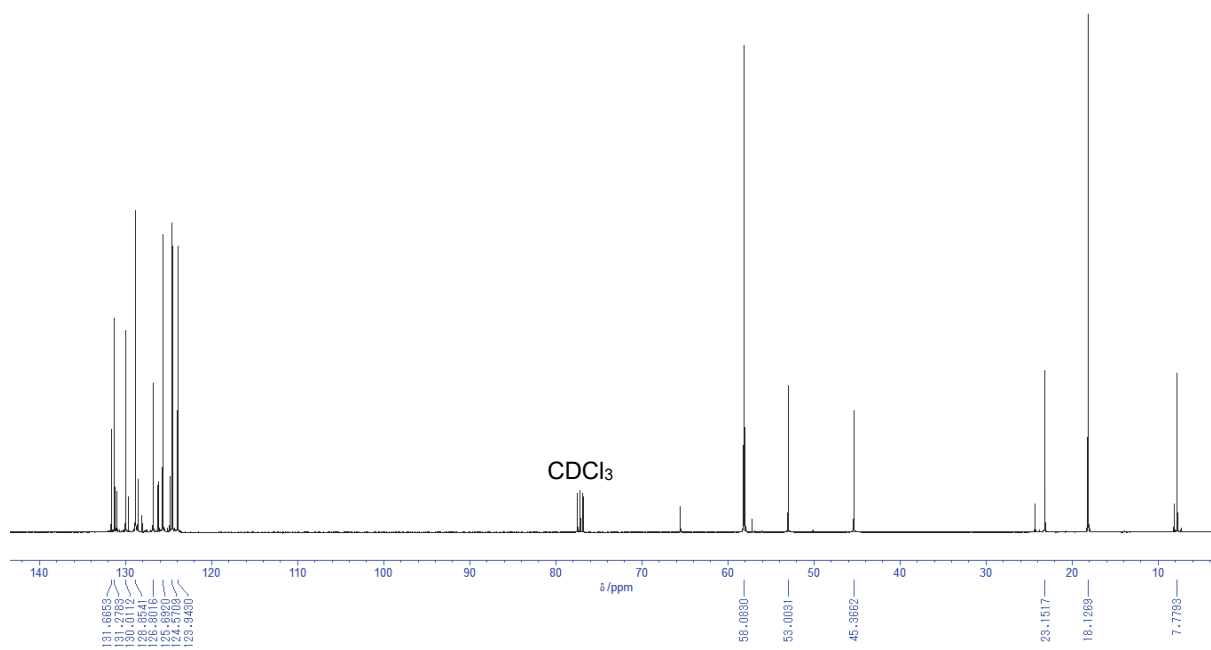
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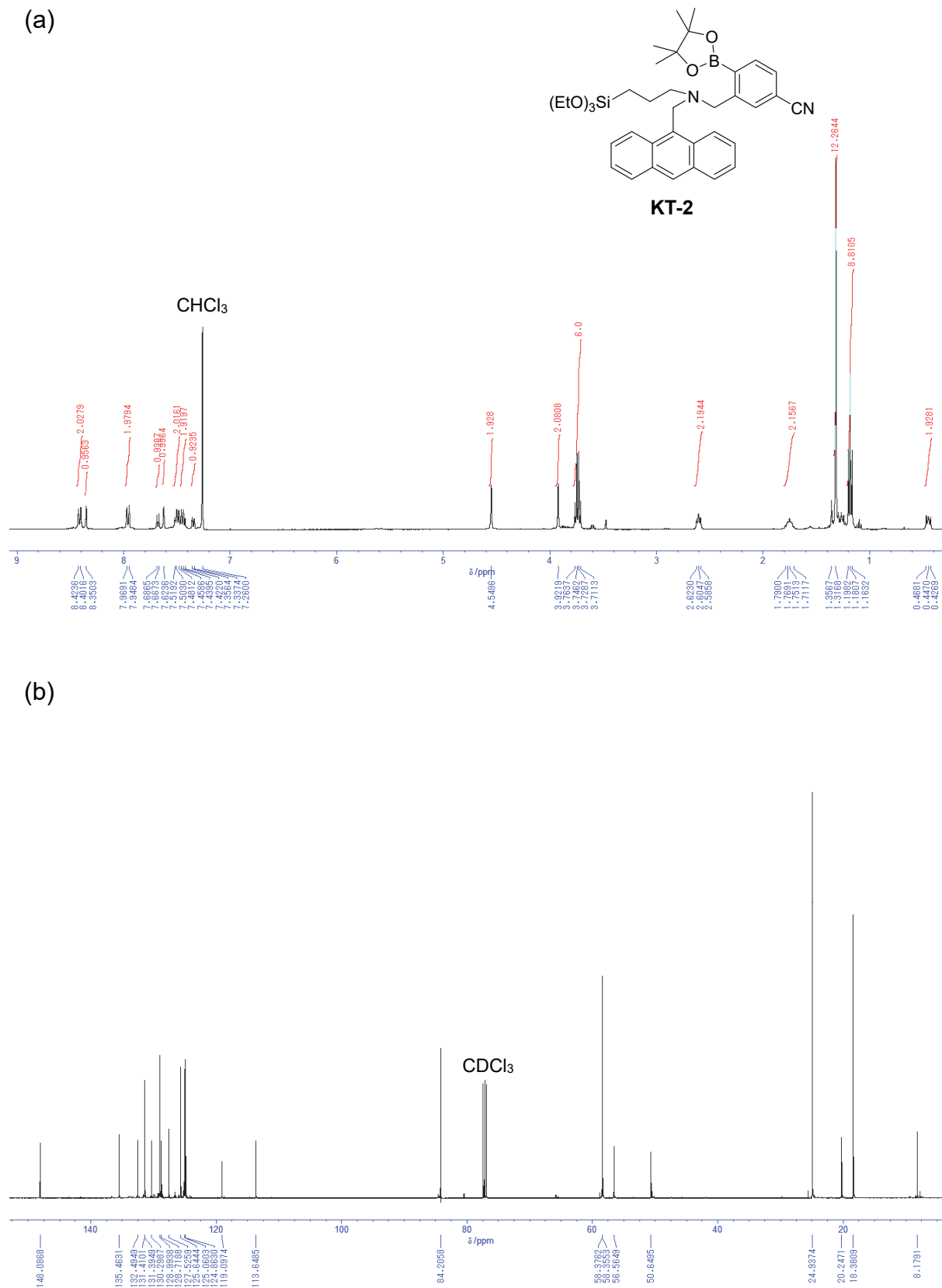
(a)



(b)

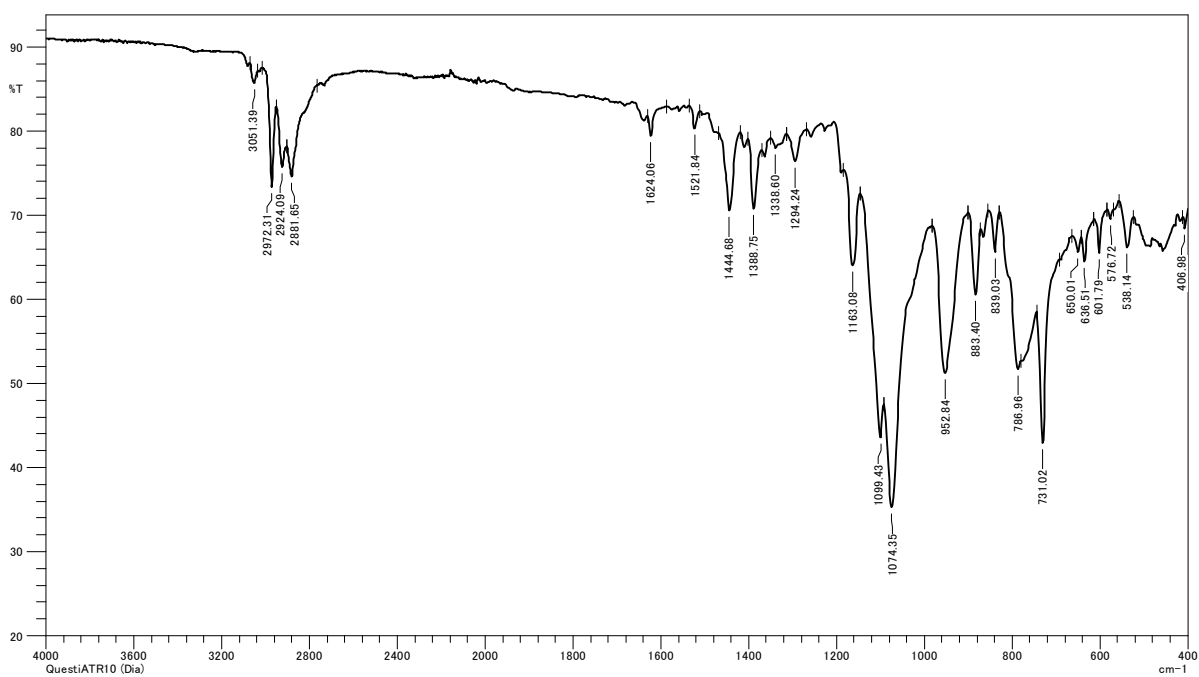


**Fig. S1** (a) <sup>1</sup>H NMR (500 MHz) and (b) <sup>13</sup>C NMR (125 MHz) spectra of **1** in CDCl<sub>3</sub>.



**Fig. S2** (a)  $^1\text{H}$  NMR (400 MHz) and (b)  $^{13}\text{C}$  NMR (125 MHz) spectra of **KT-2** in  $\text{CDCl}_3$ .

(a)



(b)

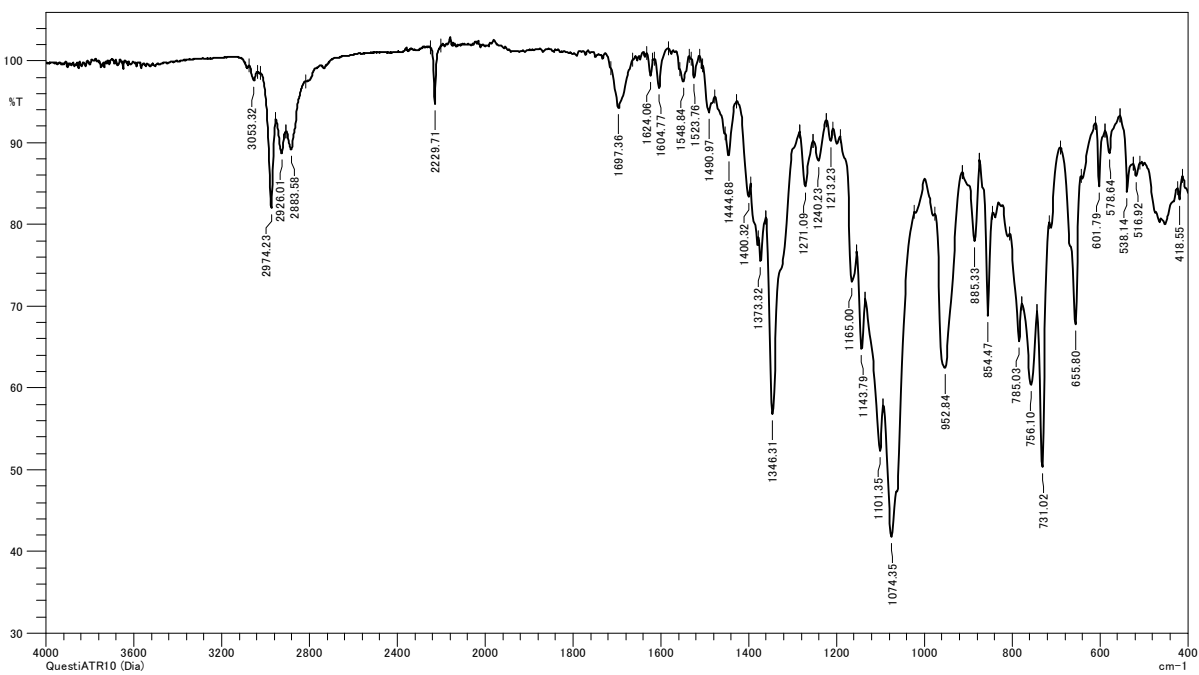
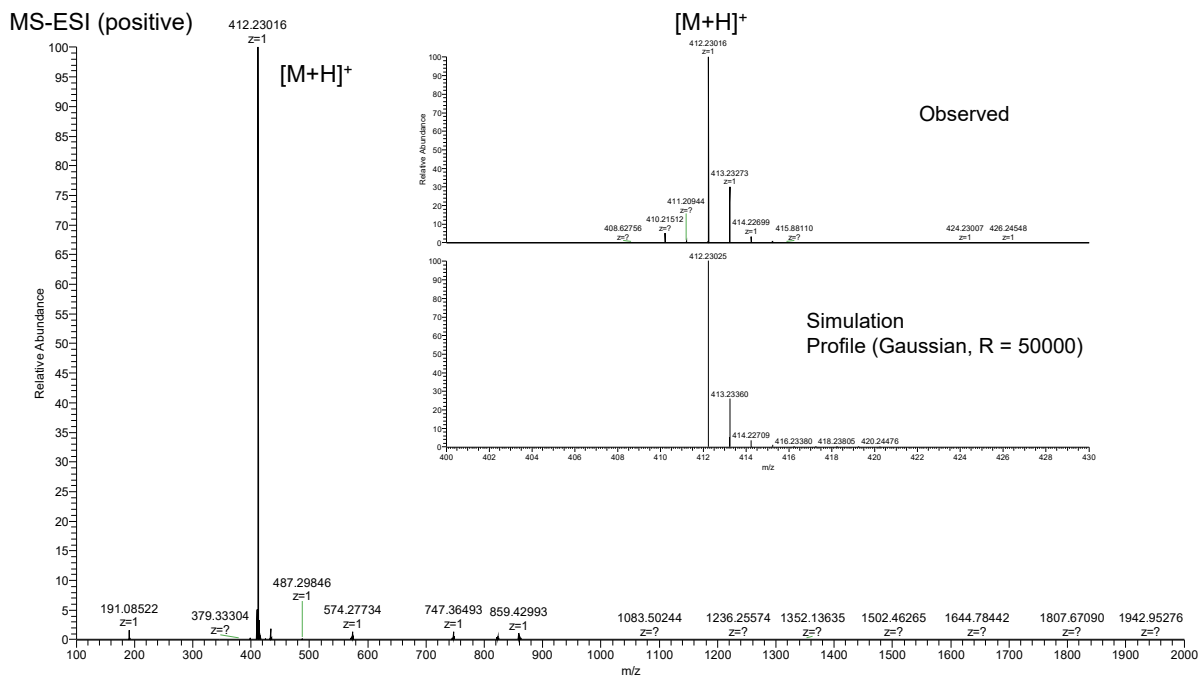


Fig. S3 FT-IR (ATR) spectra of (a) 1 and (b) KT-2.

(a)



(b)

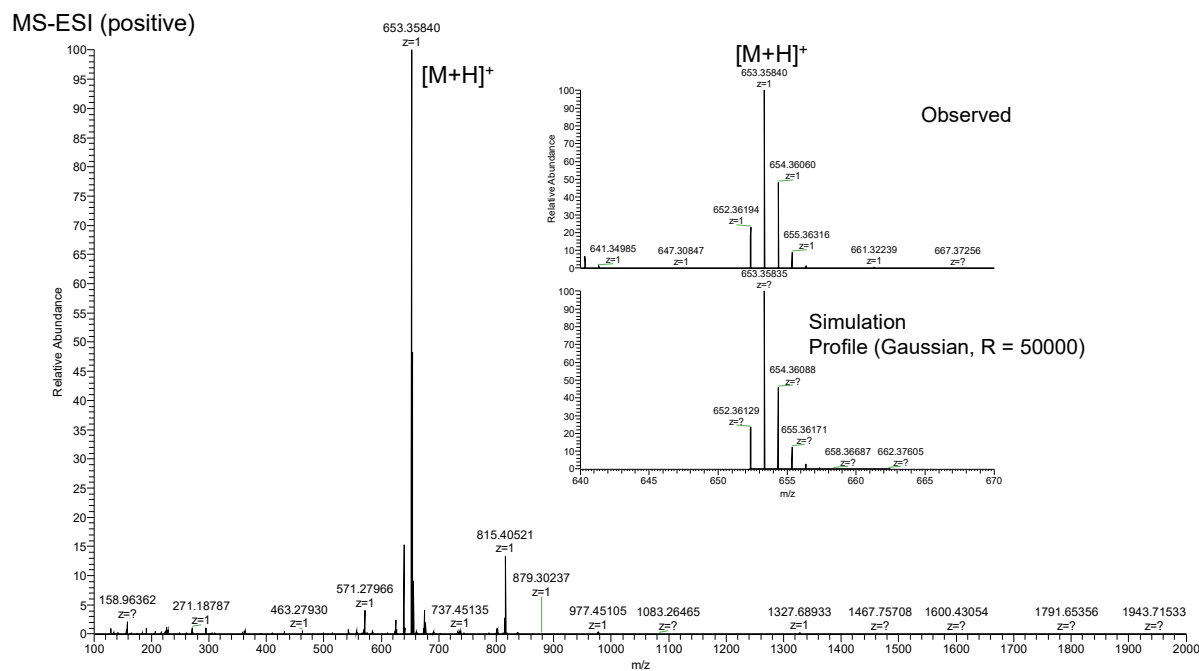


Fig. S4 HRMS spectra of (a) 1 and (b) KT-2.