

Supplementary Materials

3-[Bis(pyridin-2-ylmethyl)amino]-5-(4-carboxyphenyl)-BODIPY as Ratiometric Fluorescent Sensor for Cu²⁺

Akira Hafuka ^{1,*}, Hisashi Satoh ², Koji Yamada ³, Masahiro Takahashi ² and Satoshi Okabe ²

¹ Department of Integrated Science and Engineering for Sustainable Society, Faculty of Science and Engineering, Chuo University, 1-13-27 Kasuga, Bunkyo-ku, Tokyo 112-8551, Japan

² Division of Environmental Engineering, Faculty of Engineering, Hokkaido University, North-13, West-8, Sapporo 060-8628, Japan; qsatoh@eng.hokudai.ac.jp (H.S.); m-takaha@eng.hokudai.ac.jp (M.T.); sokabe@eng.hokudai.ac.jp (S.O.)

³ Division of Environmental Materials Science, Graduate School of Environmental Science, Hokkaido University, North-10, West-5, Sapporo 060-0810, Japan; yamada@ees.hokudai.ac.jp

* Correspondence: hafuka.14p@g.chuo-u.ac.jp; Tel.: +81-3-3817-7283

Received: 8 April 2018 Accepted: 14 May 2018; Published: date

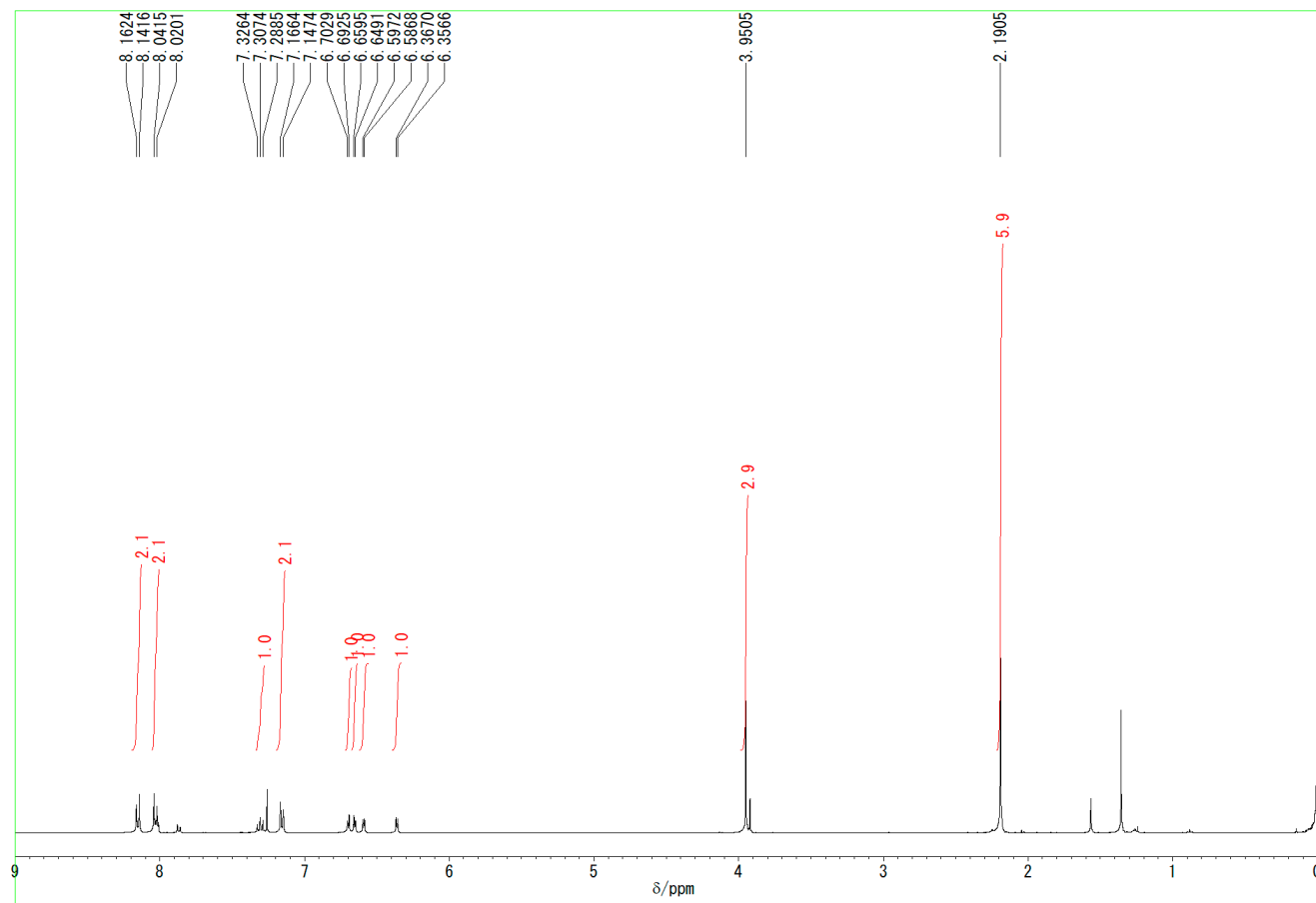


Figure S1. ^1H NMR spectrum of compound 3.

130788_53_pn #11-13 RT: 0.17-0.20 AV: 2 NL: 3.55E6
T: FTMS {1,1} + p ESI Full ms [150.00-2000.00]

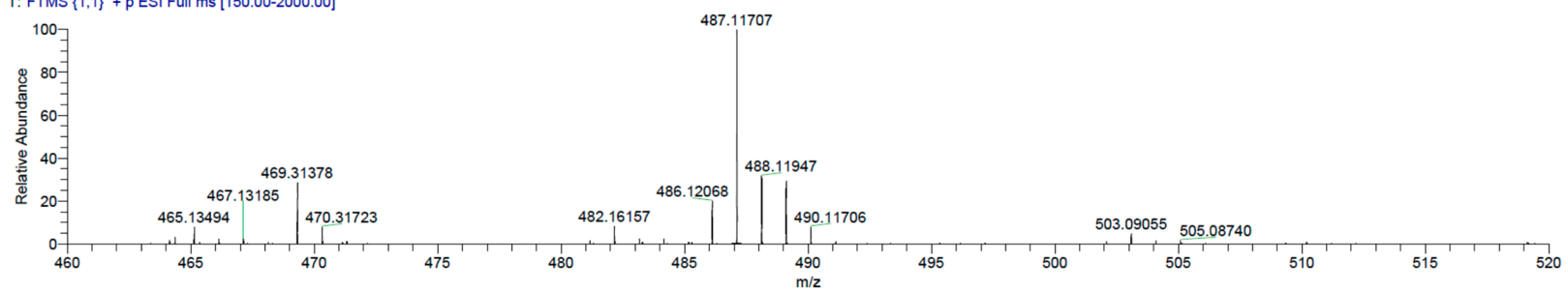


Figure S2. HRMS spectrum of compound 3.

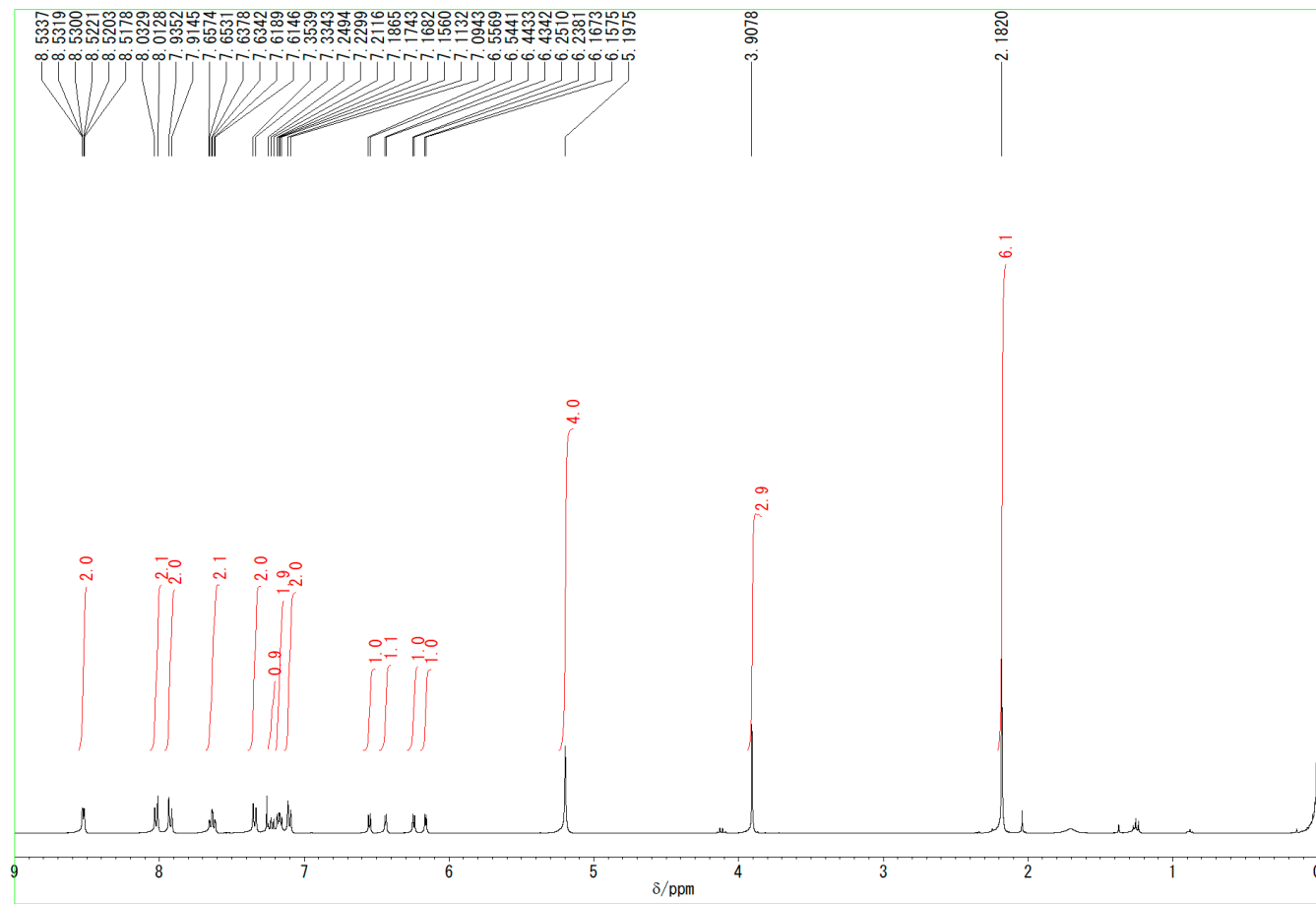


Figure S3. ^1H NMR spectrum of compound 2.

130875_58_pn1 #12 RT: 0.19 AV: 1 NL: 2.31E7
T: FTMS {1,1} + p ESI Full ms [150.00-2000.00]

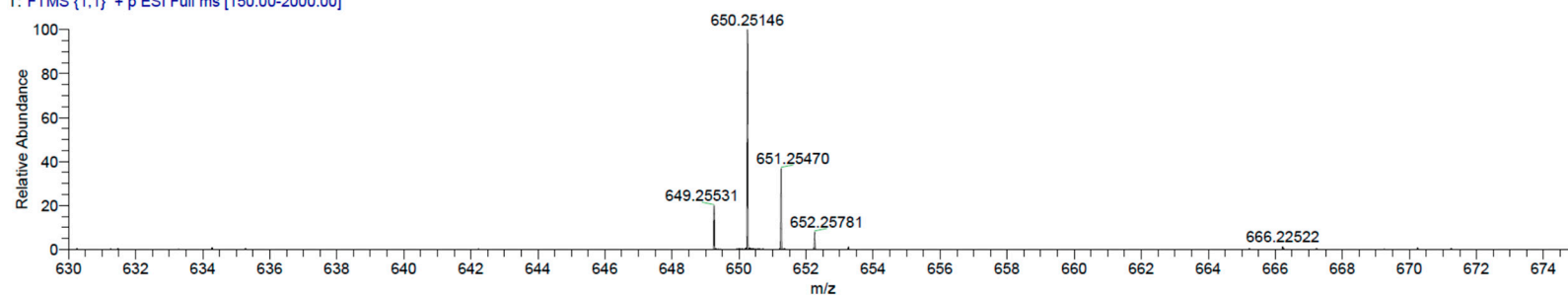


Figure S4. HRMS spectrum of compound 2.

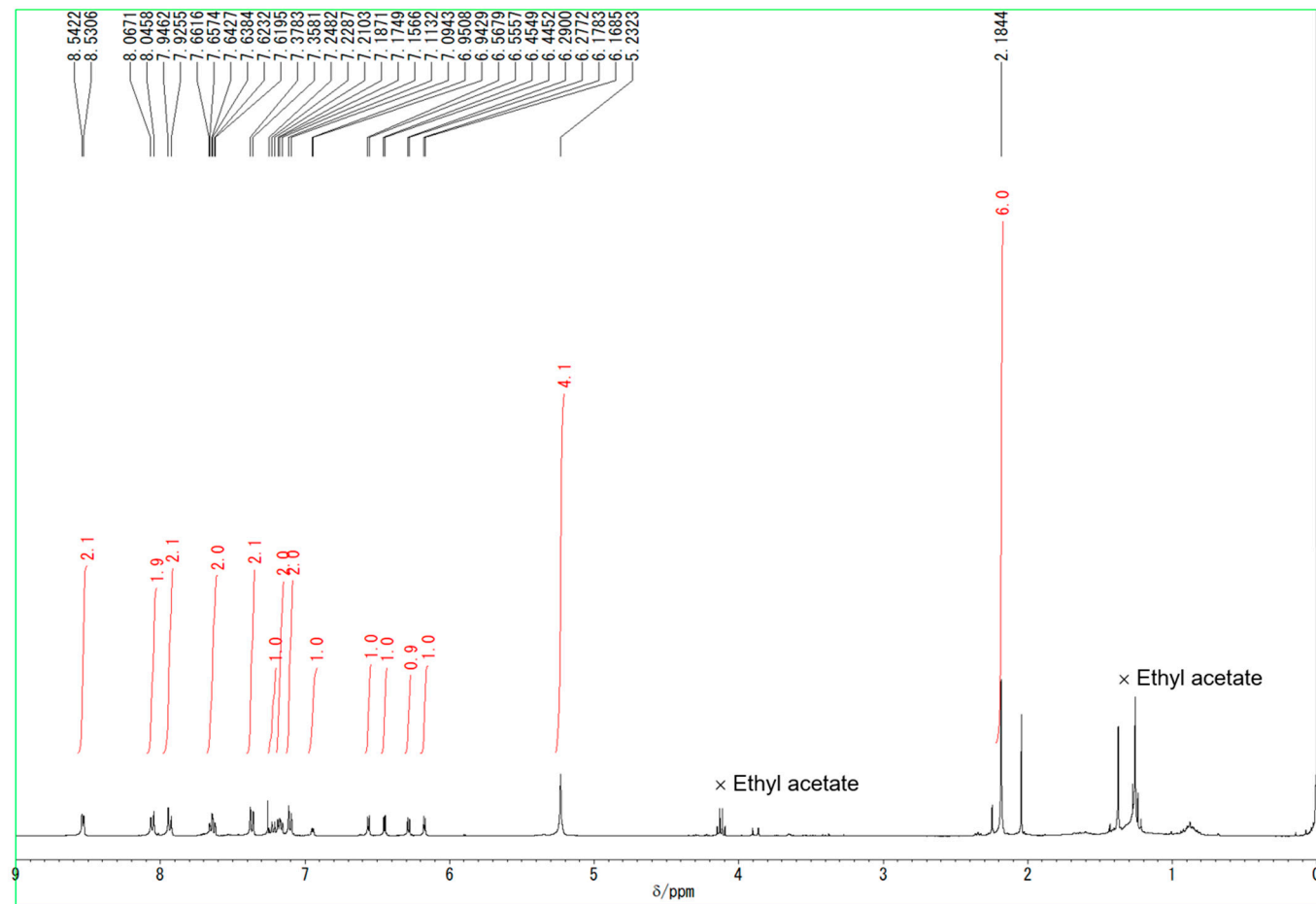


Figure S5. ^1H NMR spectrum of BODIPY 1.

131045_66_pn3 #14 RT: 0.22 AV: 1 NL: 1.14E7
T: FTMS {1,1} + p ESI Full ms [150.00-2000.00]

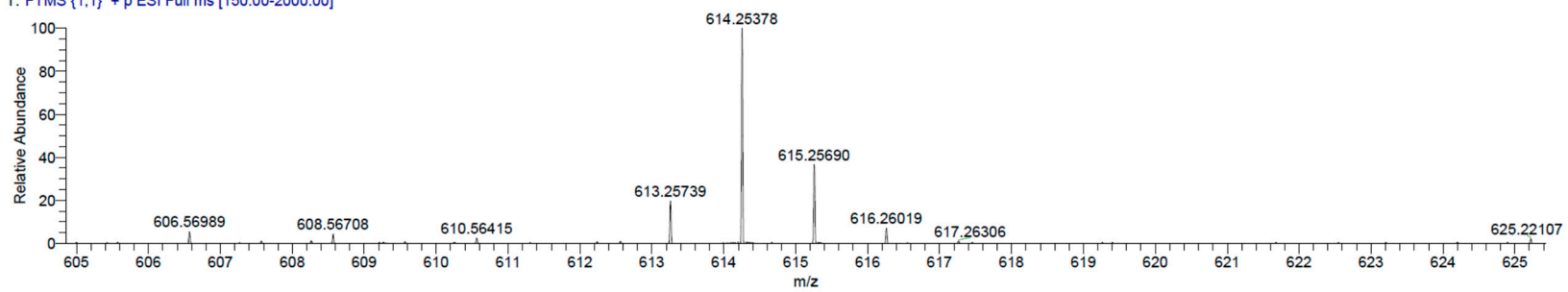


Figure S6. HRMS spectrum of BODIPY 1.