

Supplementary Data

Investigation of Desilylation in the Recognition Mechanism to Fluoride by a 1,8-naphthalimide Derivative

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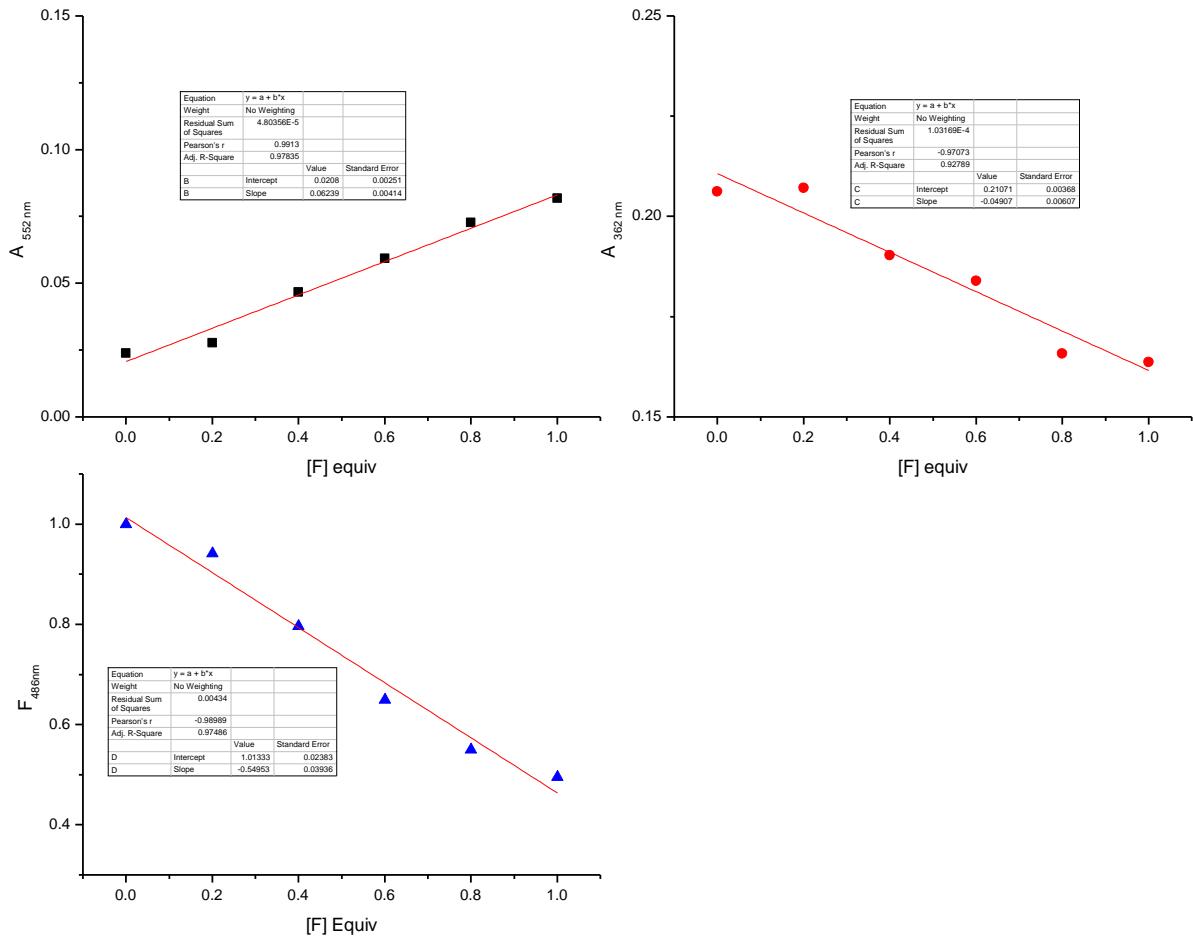


Fig. S1 The fluorescence and absorption change of AF-1 (2.0×10^{-5} M) showed linear function to the concentration of F^- between $0-2.0 \times 10^{-5}$ M in MeCN at 25°C .

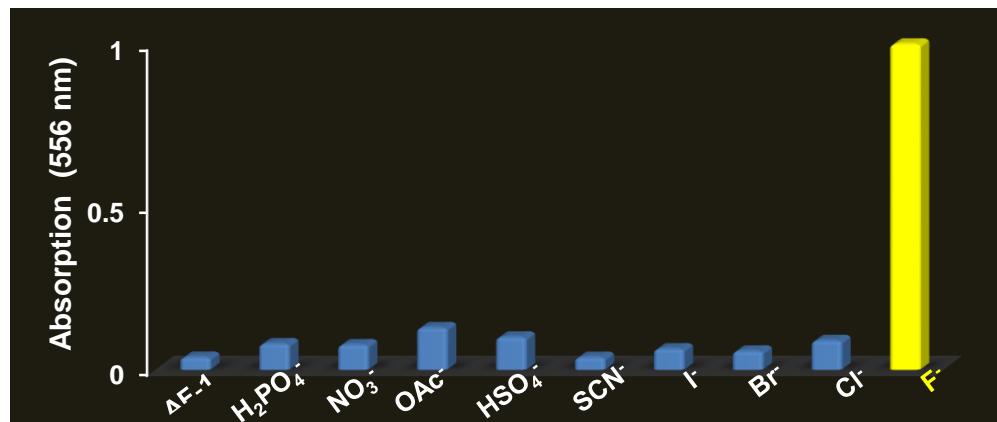
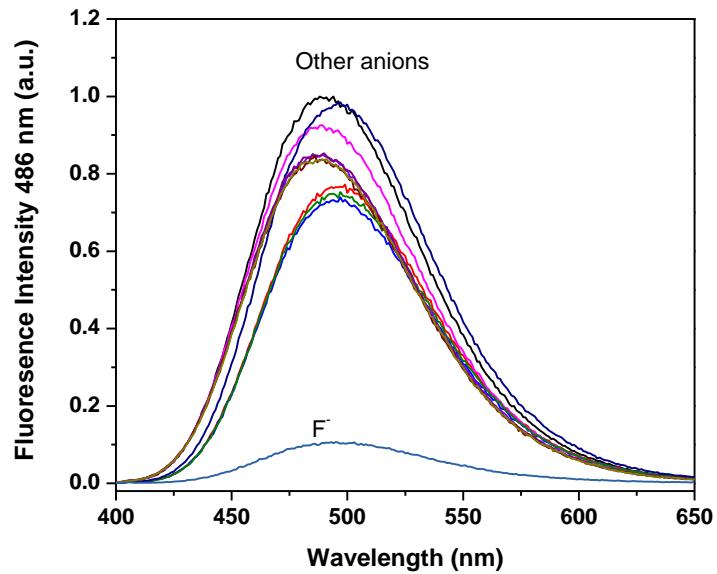
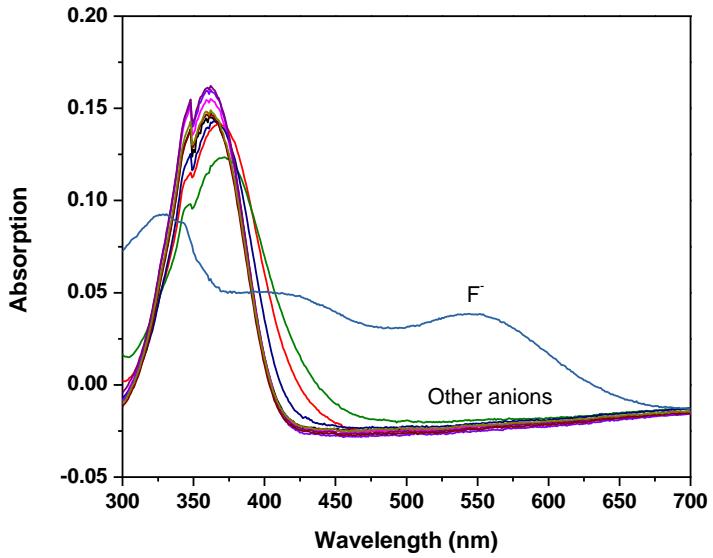
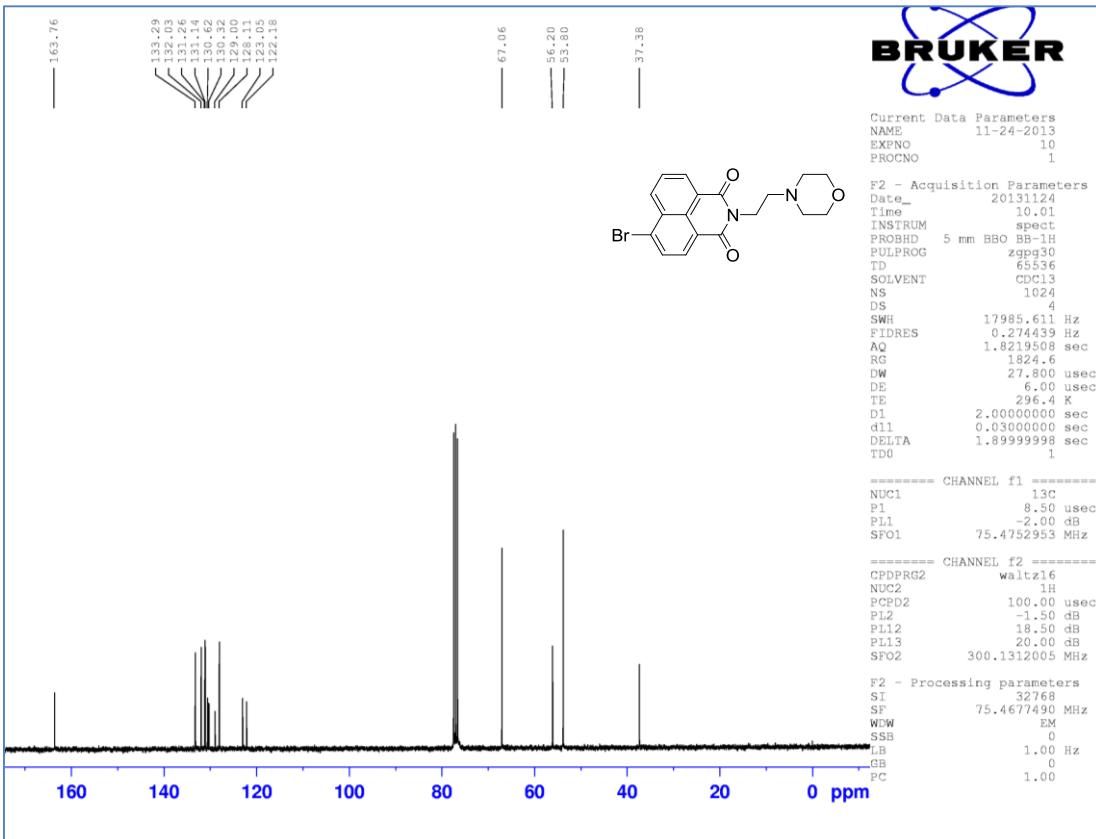
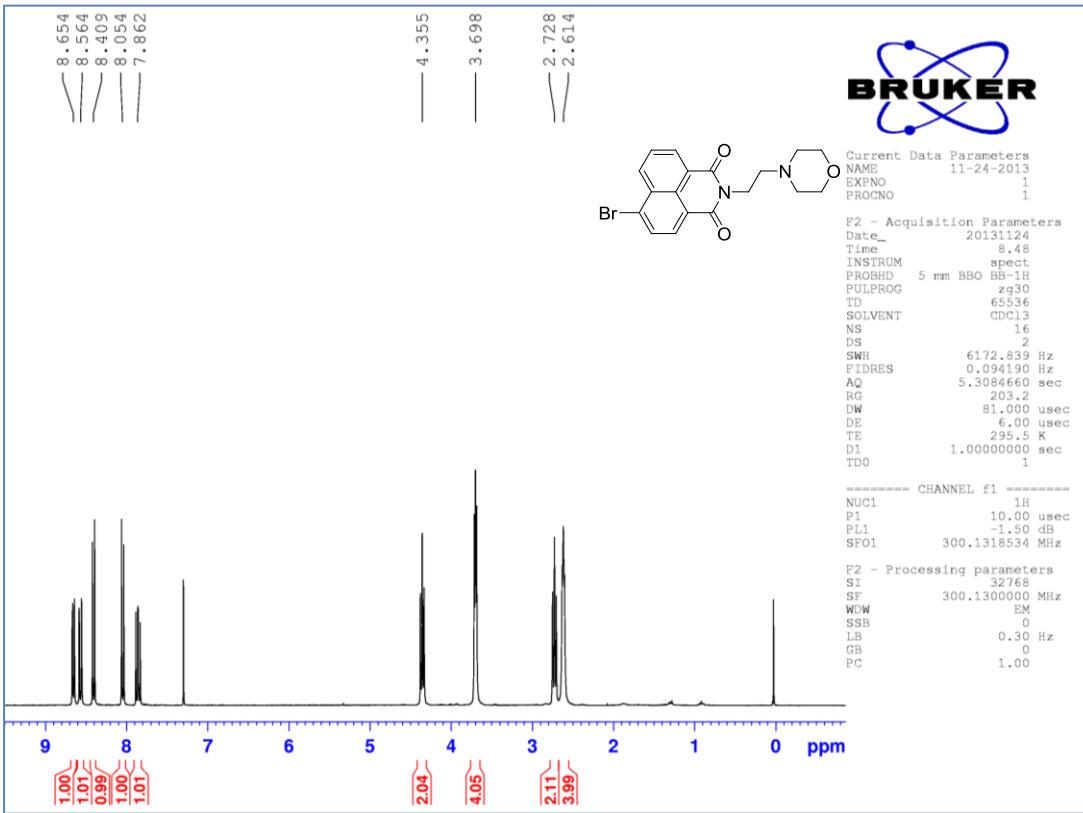
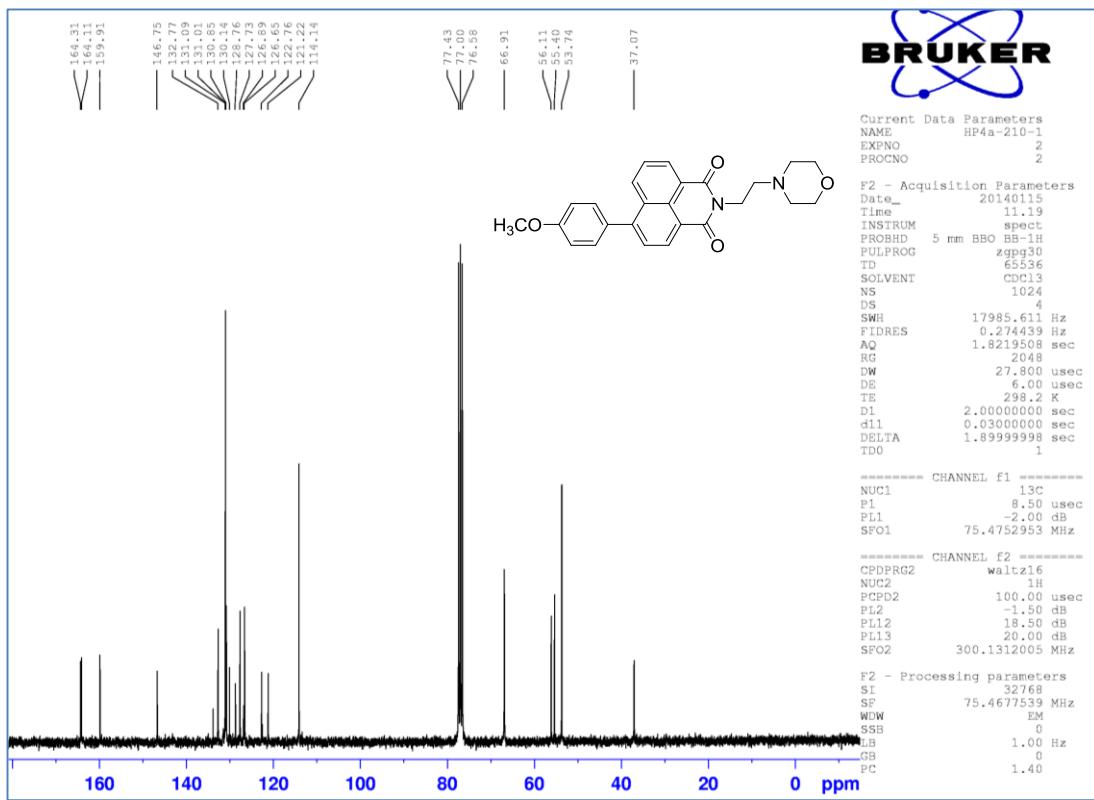
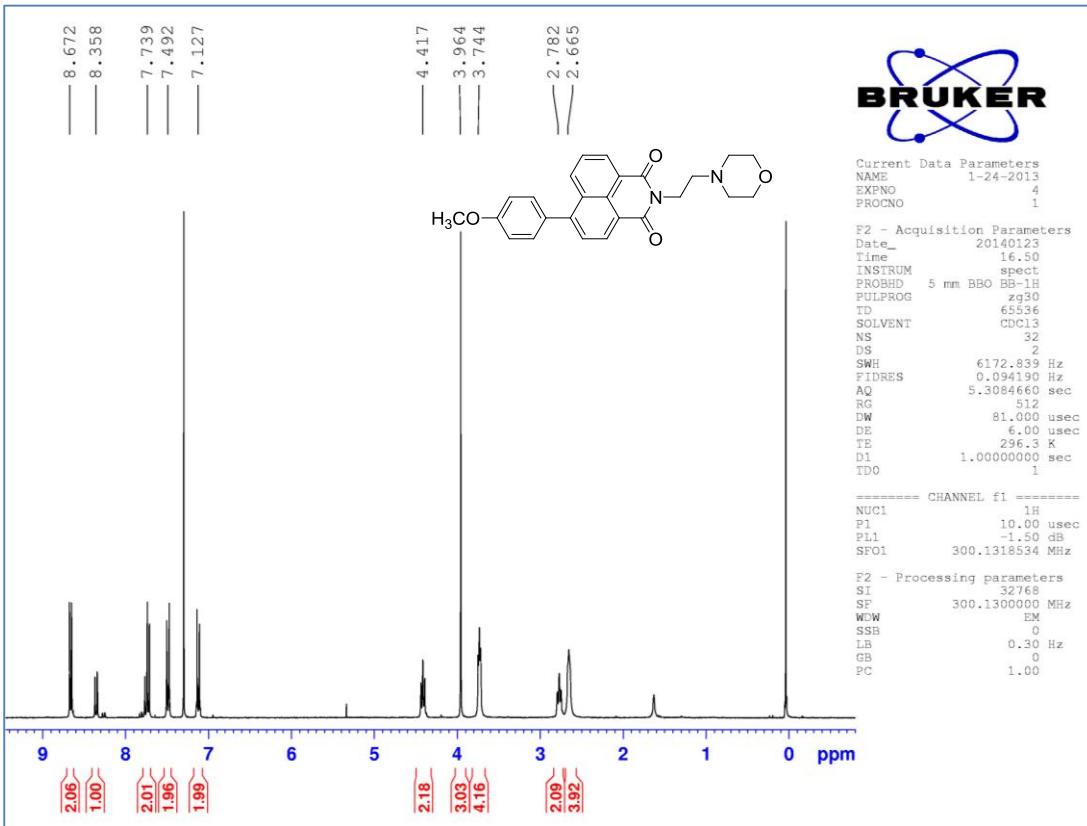
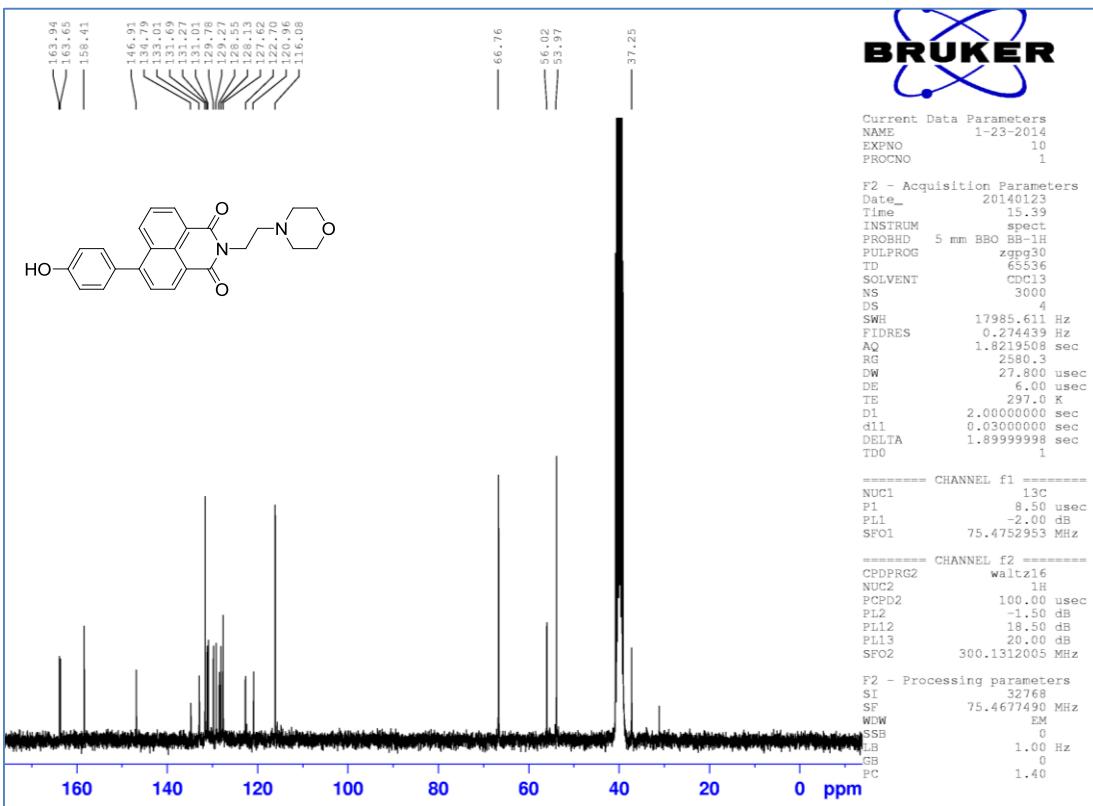
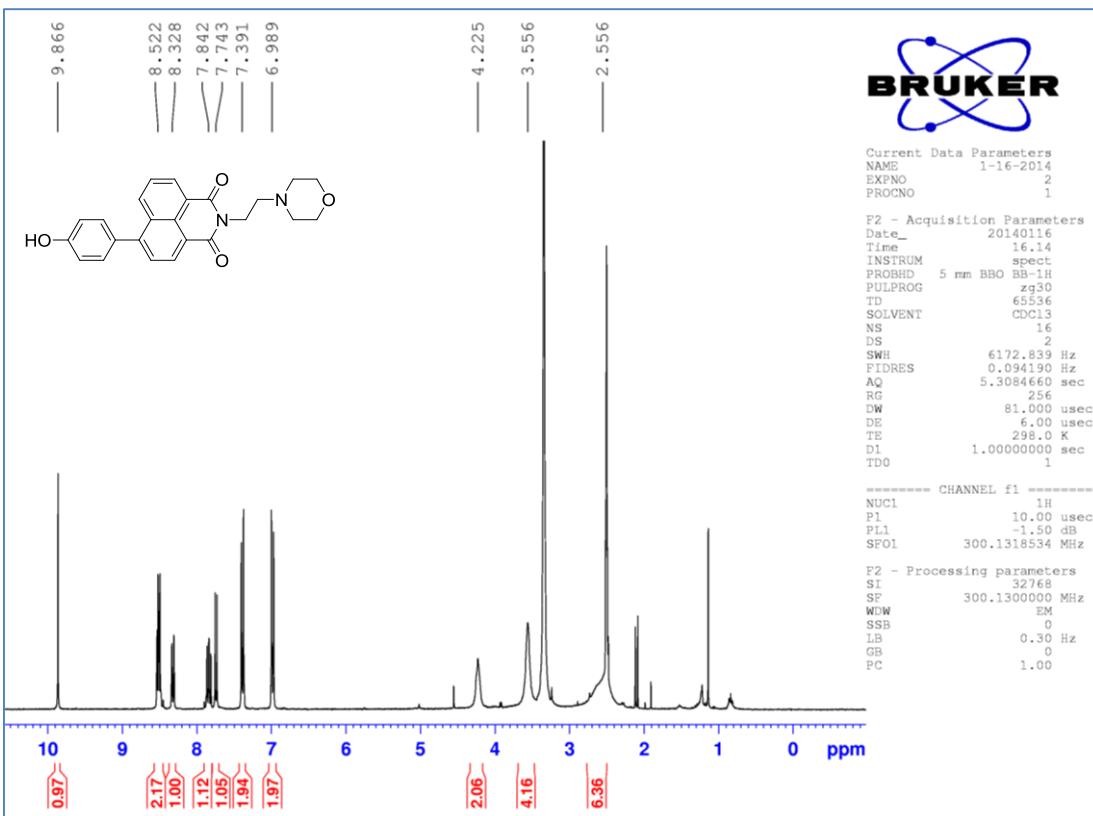
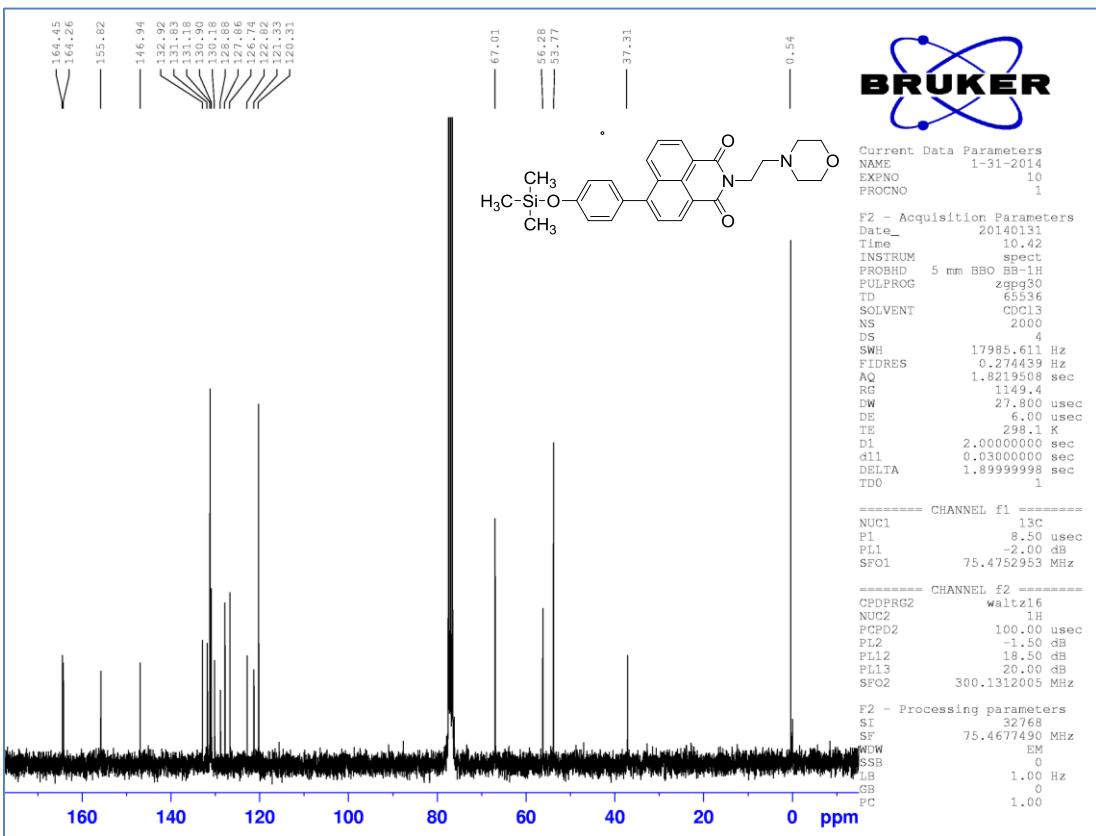
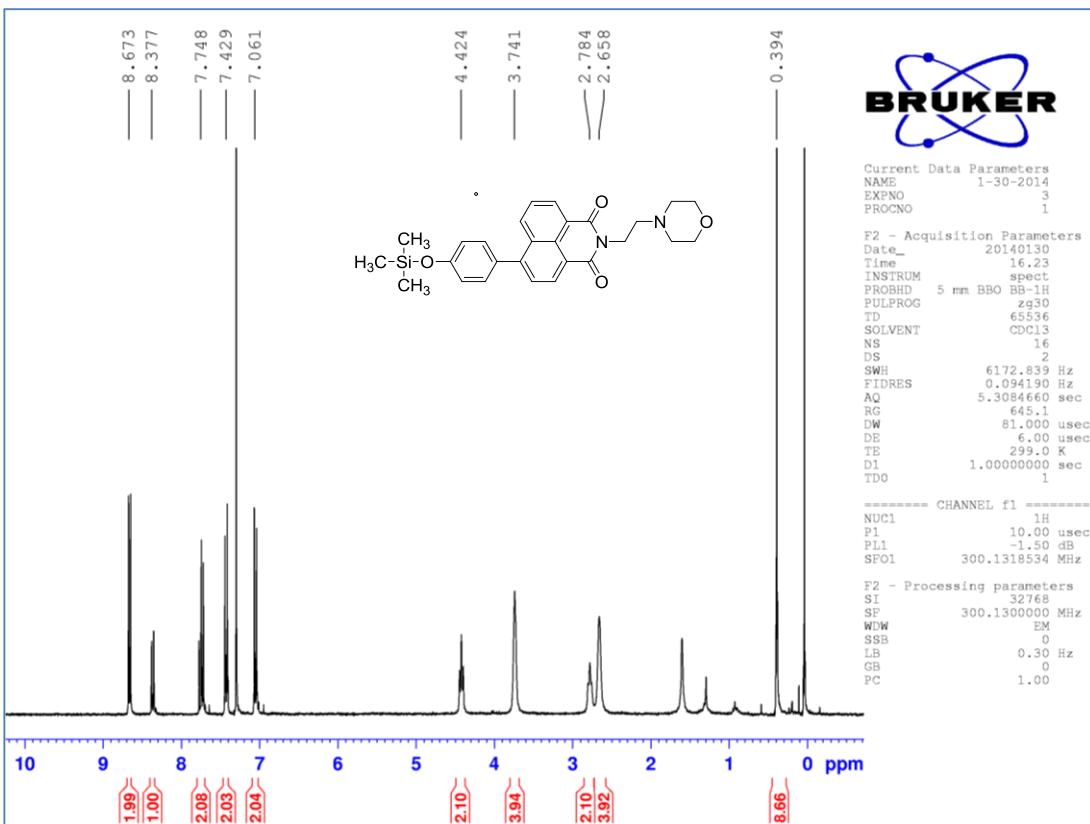


Fig. S2 The fluorescence and absorption spectra change of AF-1 (2.0×10^{-5} M) in the presence of different anions at 25°C in MeCN.









HRMS

Elemental Composition Report

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Multiple Mass Analysis: 23 mass(es) processed - displaying only valid results

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 200.0

Isotope cluster parameters: Separation = 1.0 Abundance = 1.0%

Monoisotopic Mass, Odd and Even Electron Ions

1073 formula(e) evaluated with 35 results within limits (all results (up to 1000) for each mass)

