

Supplementary Data

Excimer-monomer Switch: A Reaction-Based Approach for Selective Detection of Fluoride

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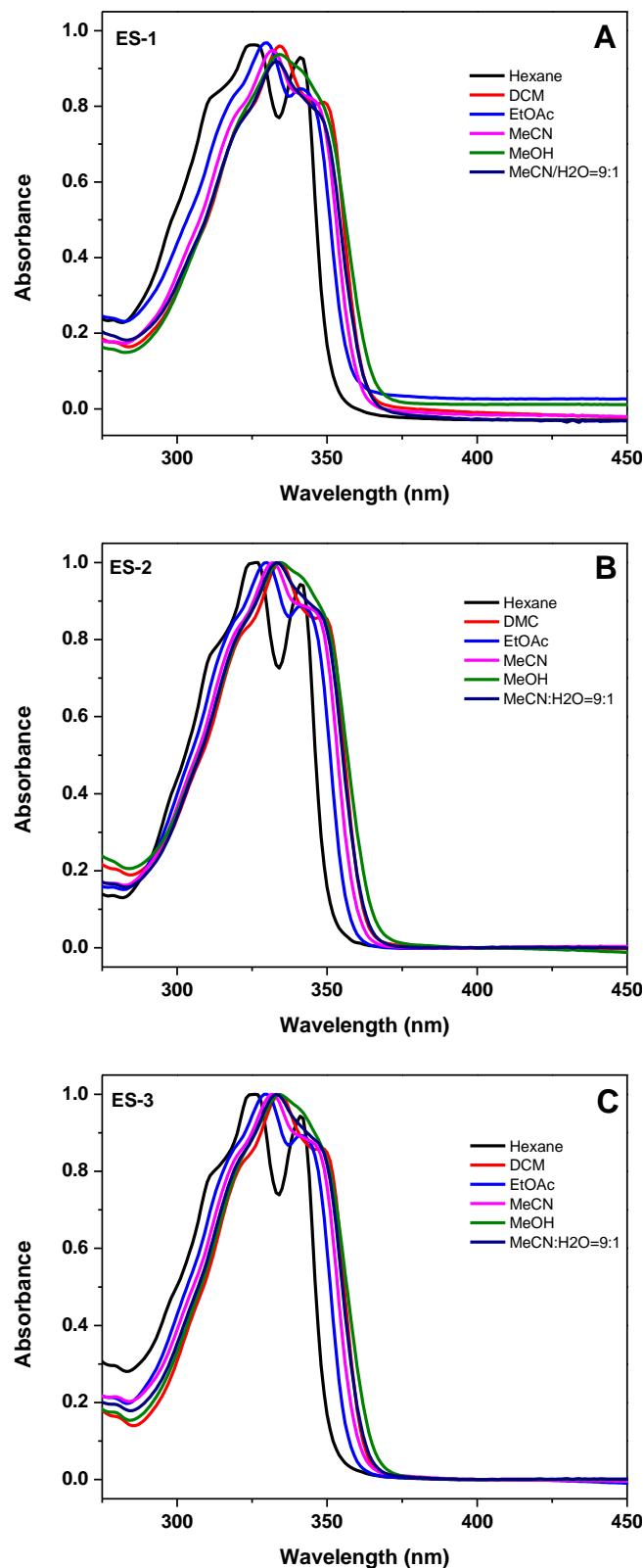


Figure S1: The absorption spectra of ES-1, ES-2 and ES-3 in exane, dichloromathane (DCM), ethyl acetate (EtOAc), acetonitrile (MeCN), methanol (MeOH), and acetonitrile/H₂O (9:1).

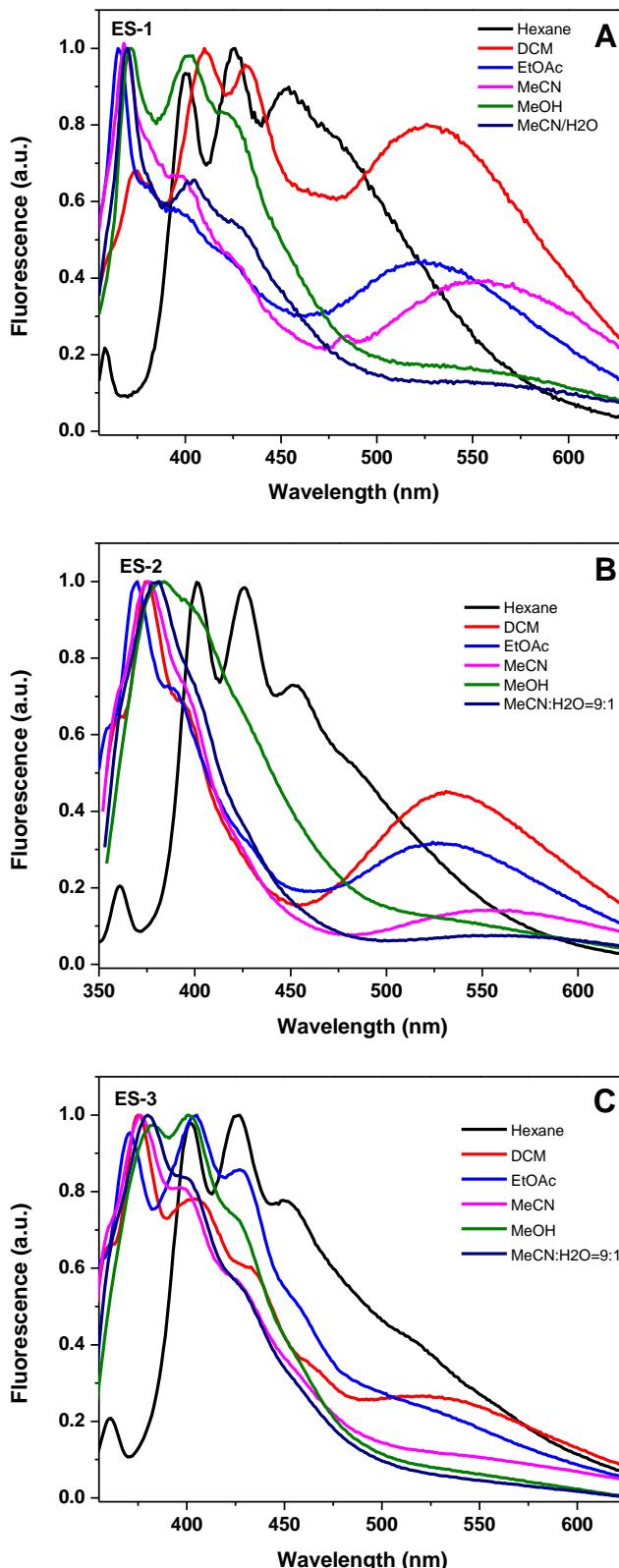


Figure S2: The emission spectra of ES-1, ES-2 and ES-3 in exane, dichloromathane (DCM), ethyl acetate (EtOAc), acetonitrile (MeCN), methanol (MeOH), and acetonitrile/H₂O (9:1).

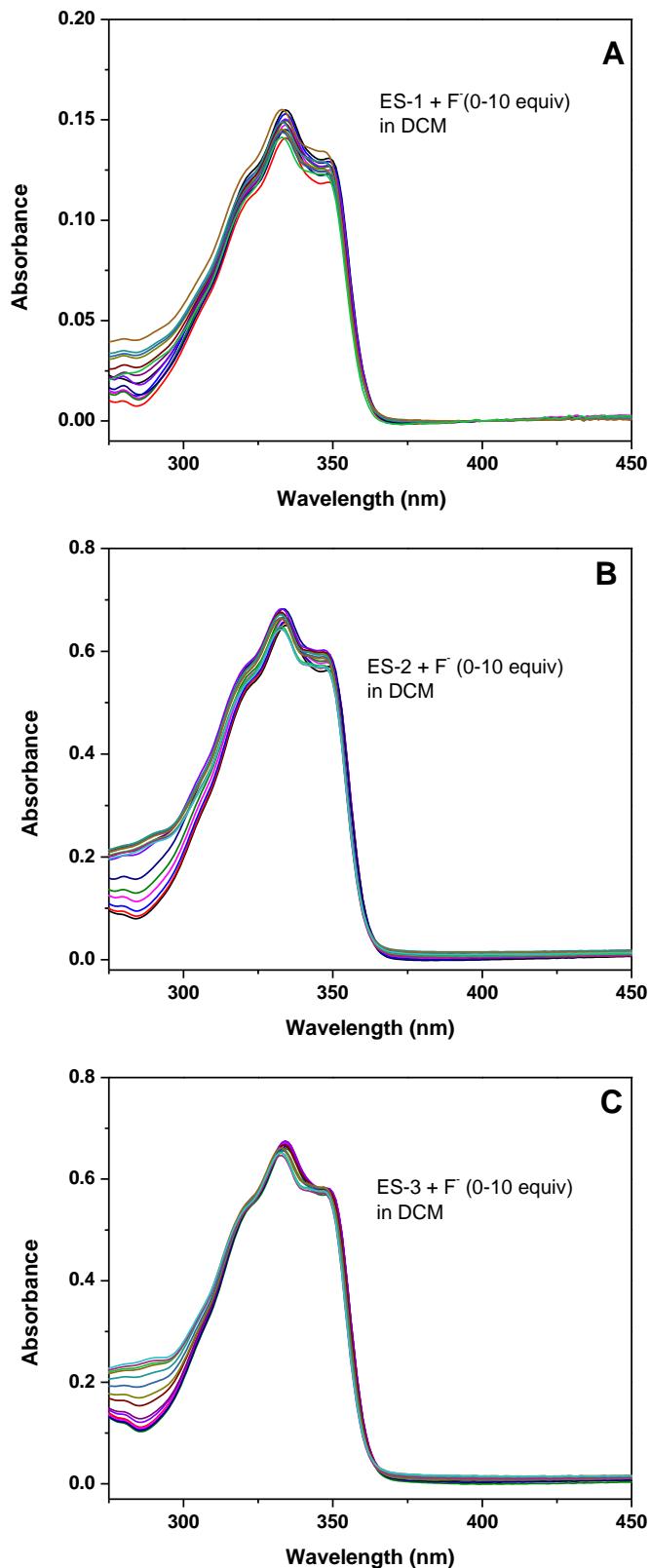


Figure S3: The absorption spectra of ES-1, ES-2 and ES-3 (5.0×10^{-5} M) did not show significant change in the presence of 0-10 equiv F⁻ (TBAF) in the DCM.





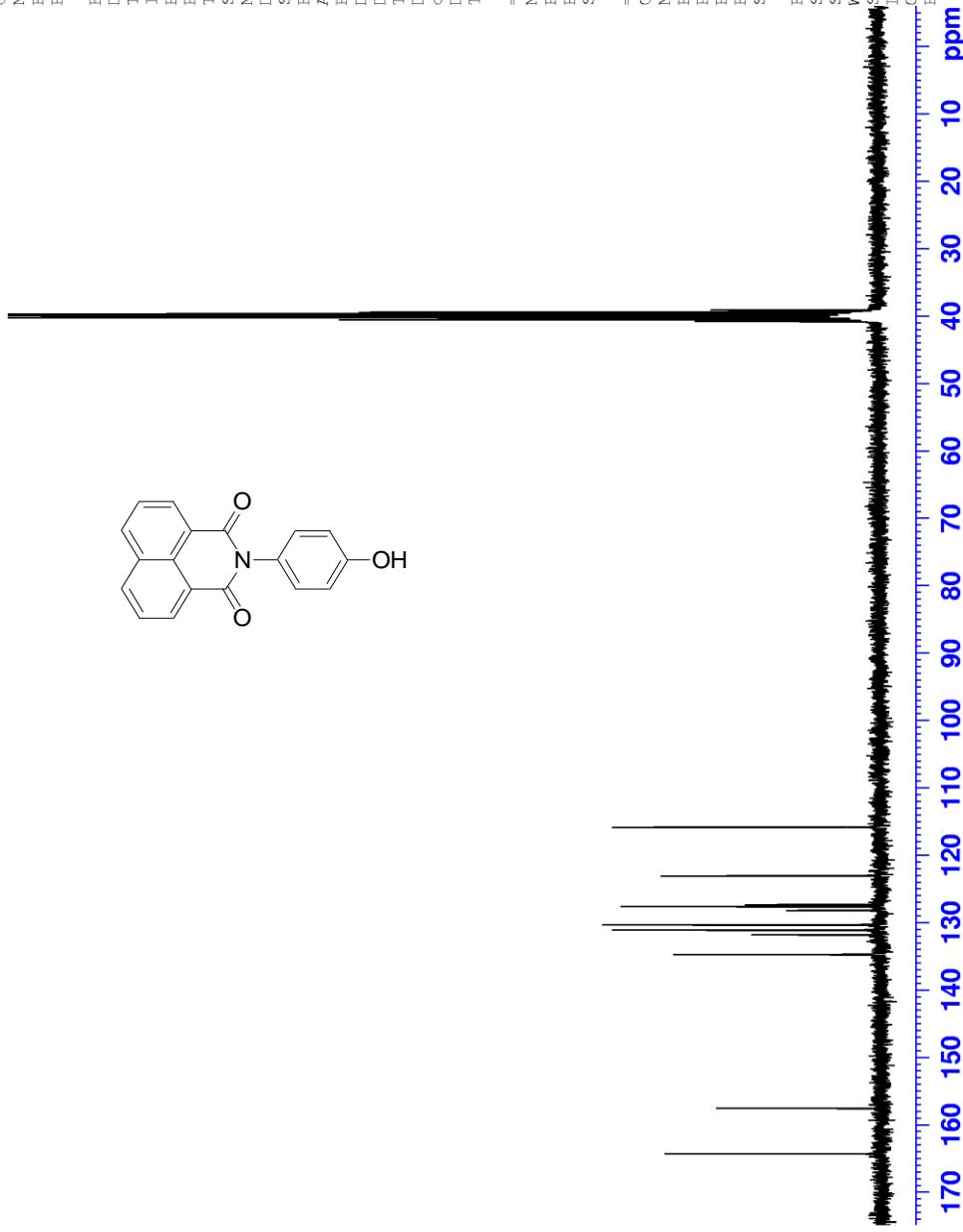
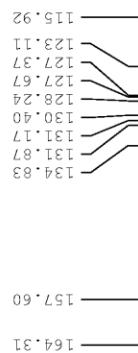
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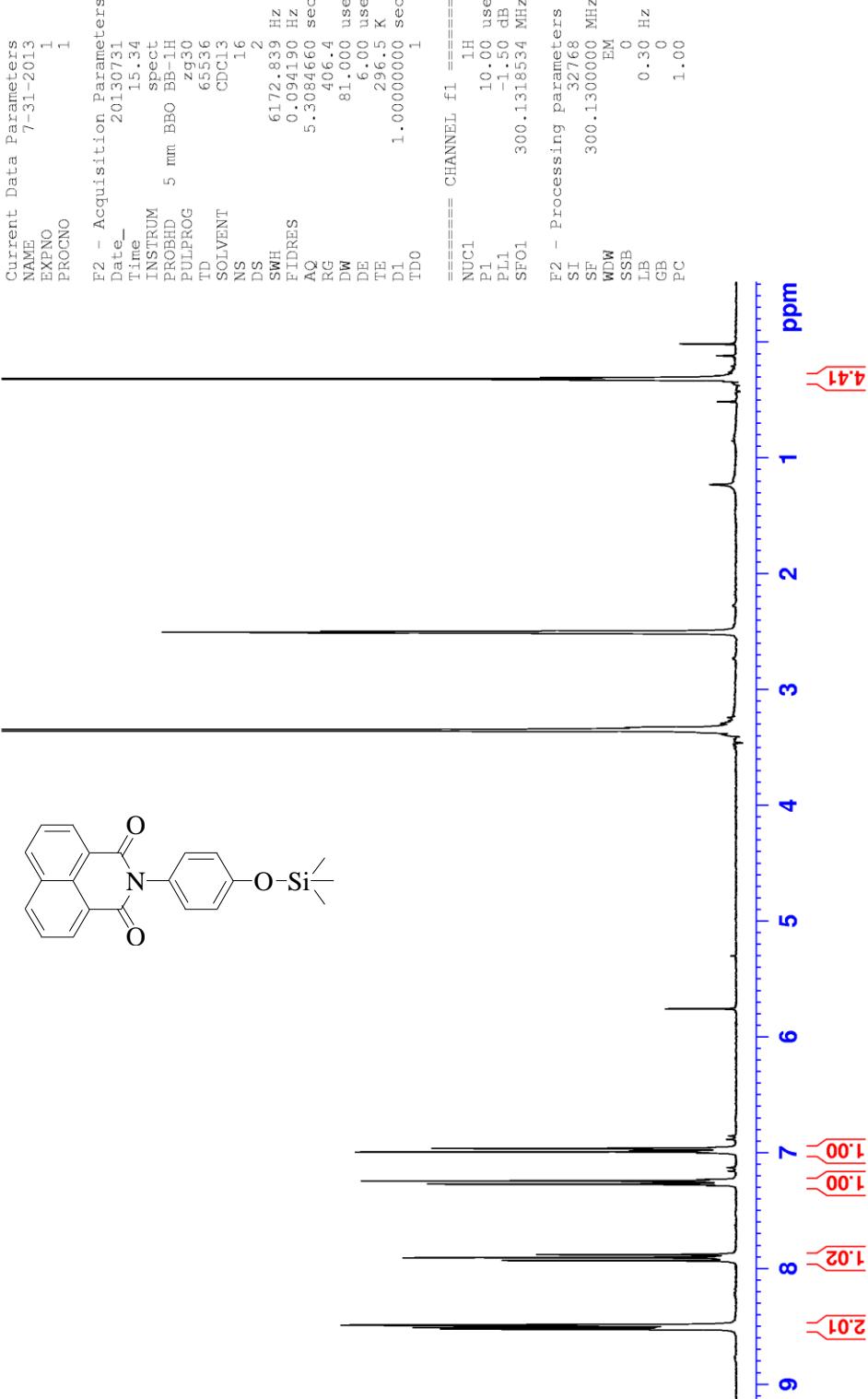
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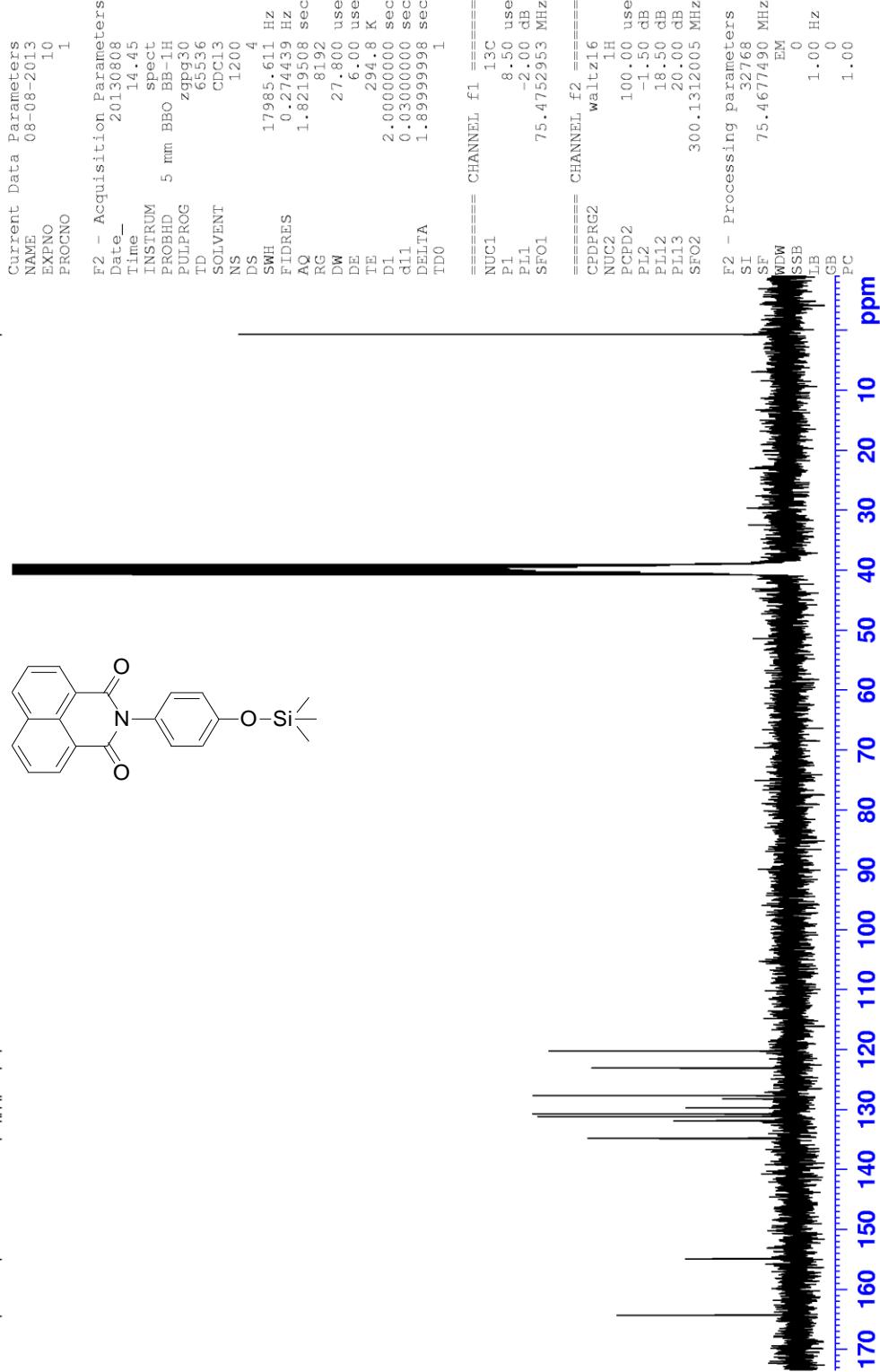
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 SFO1

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F2 - Processing parameters
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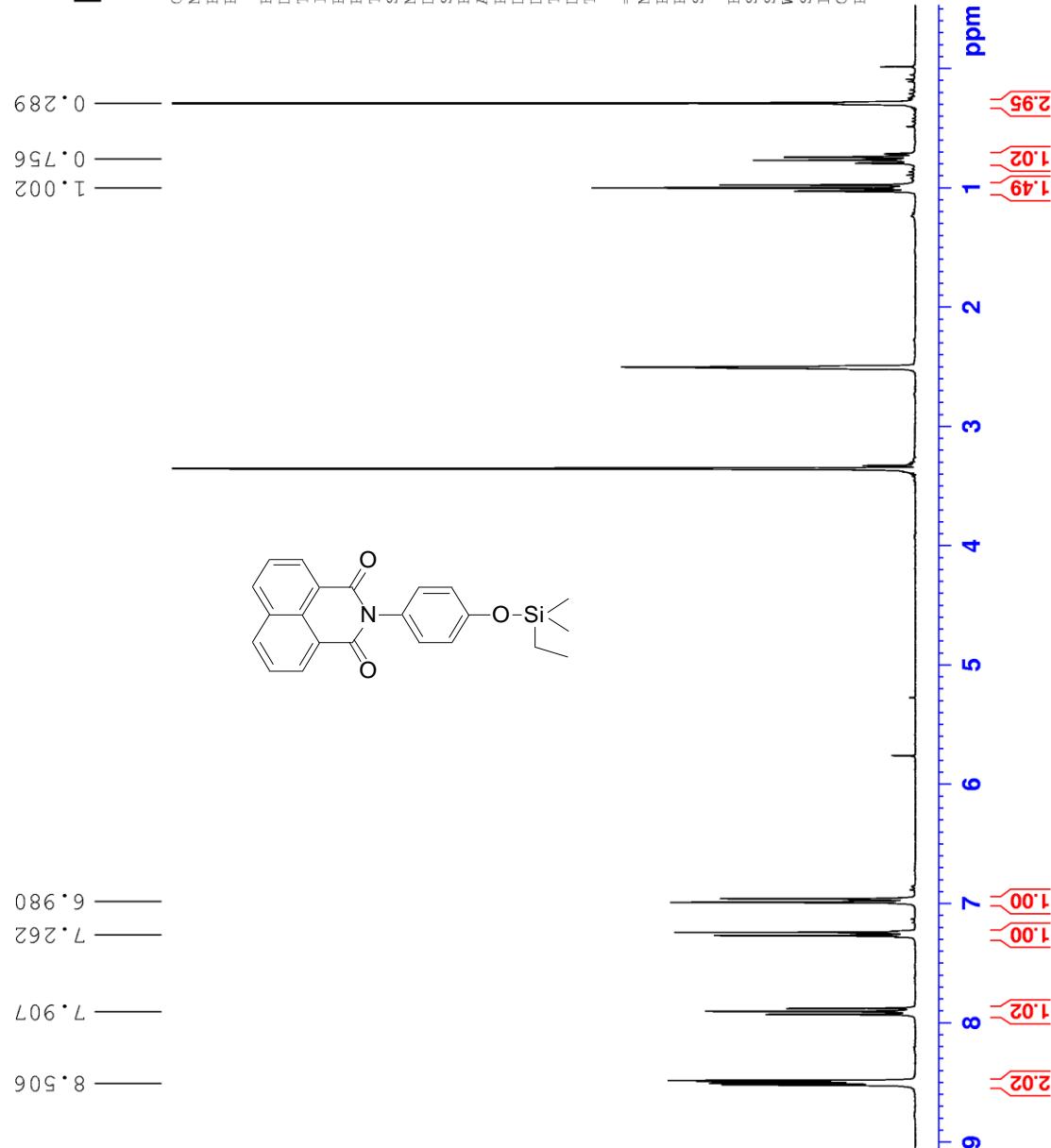
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TDO 1.1

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F2 - Processing parameters

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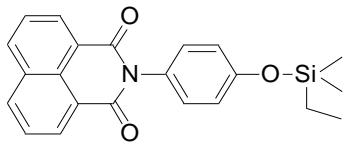
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 TE: 295.0 K
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 TDO: 1

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 SFO1 75.472953 MHz

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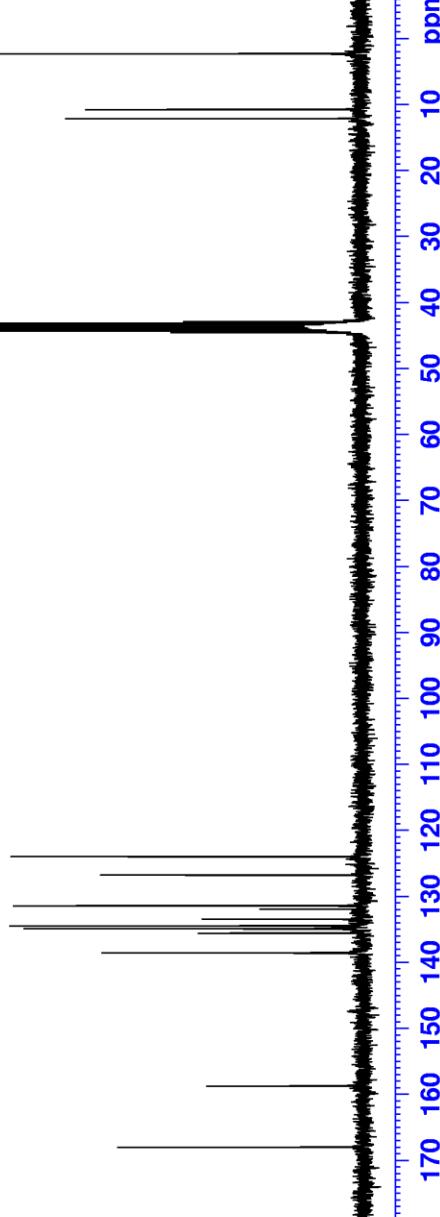
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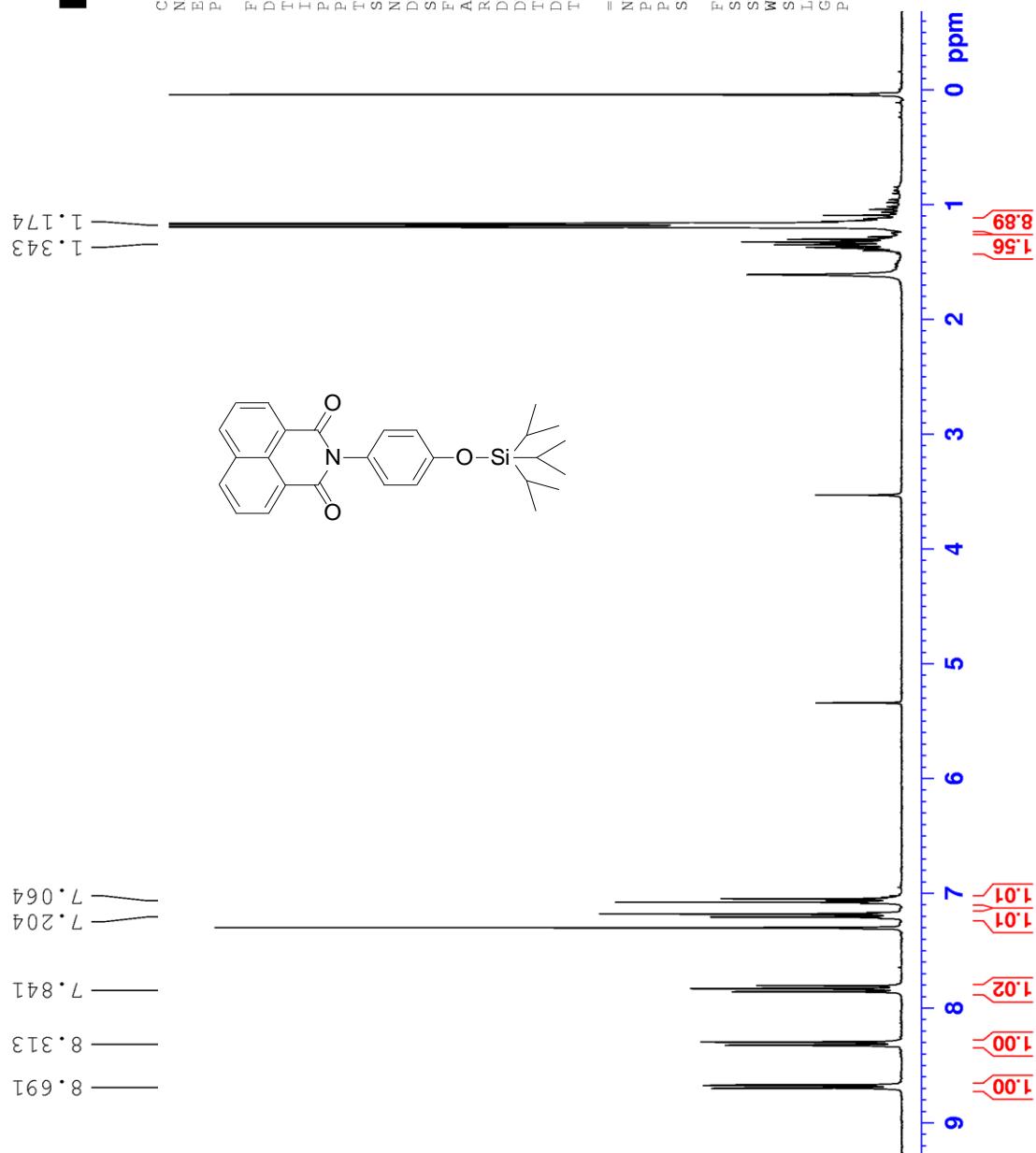
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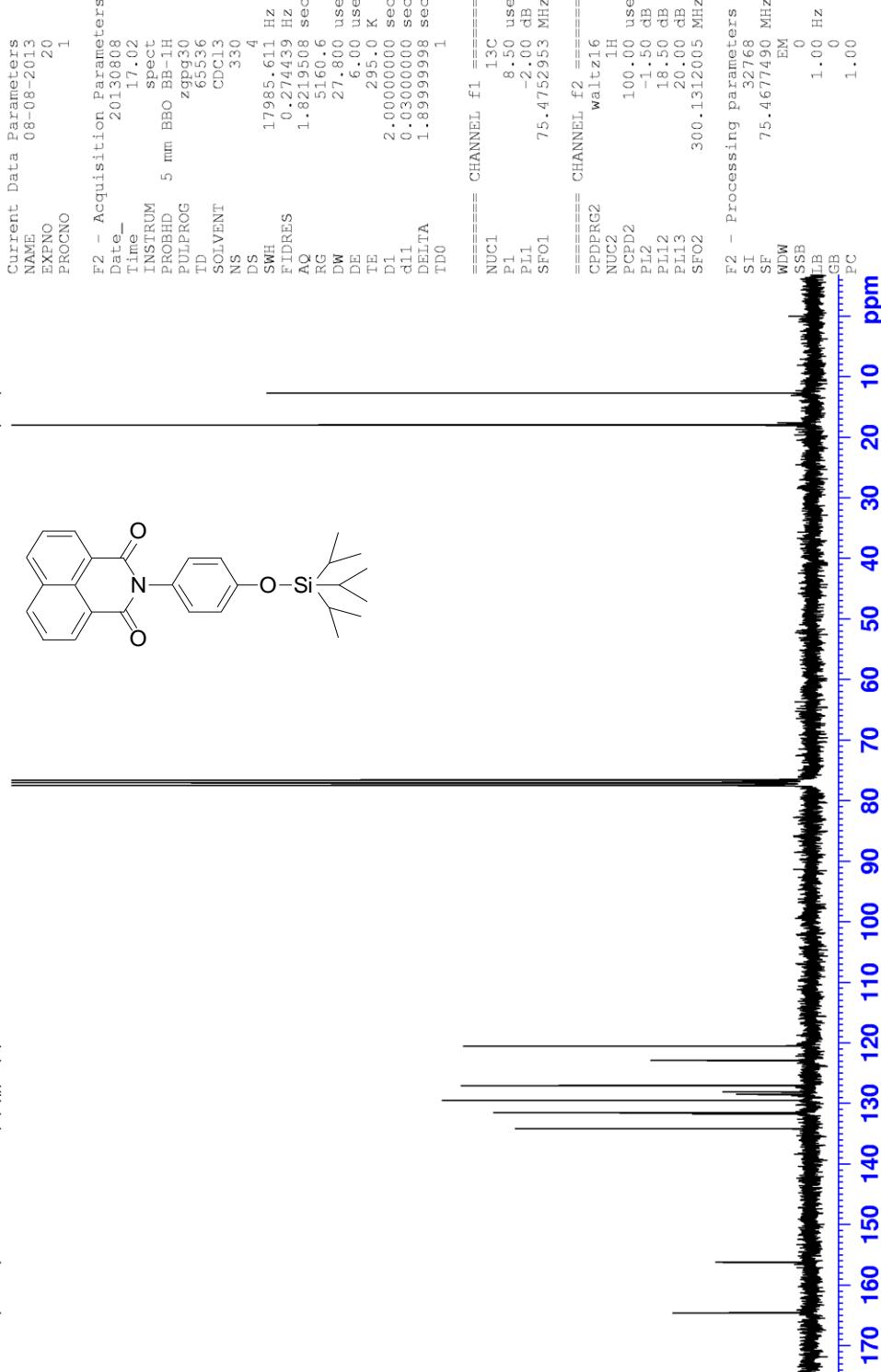


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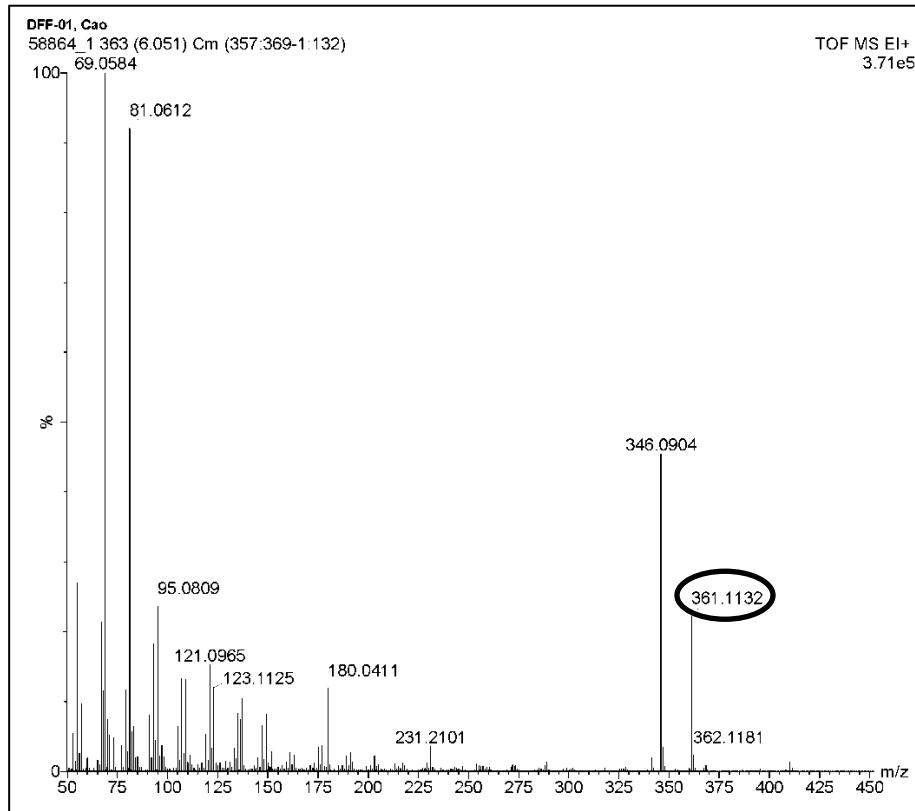
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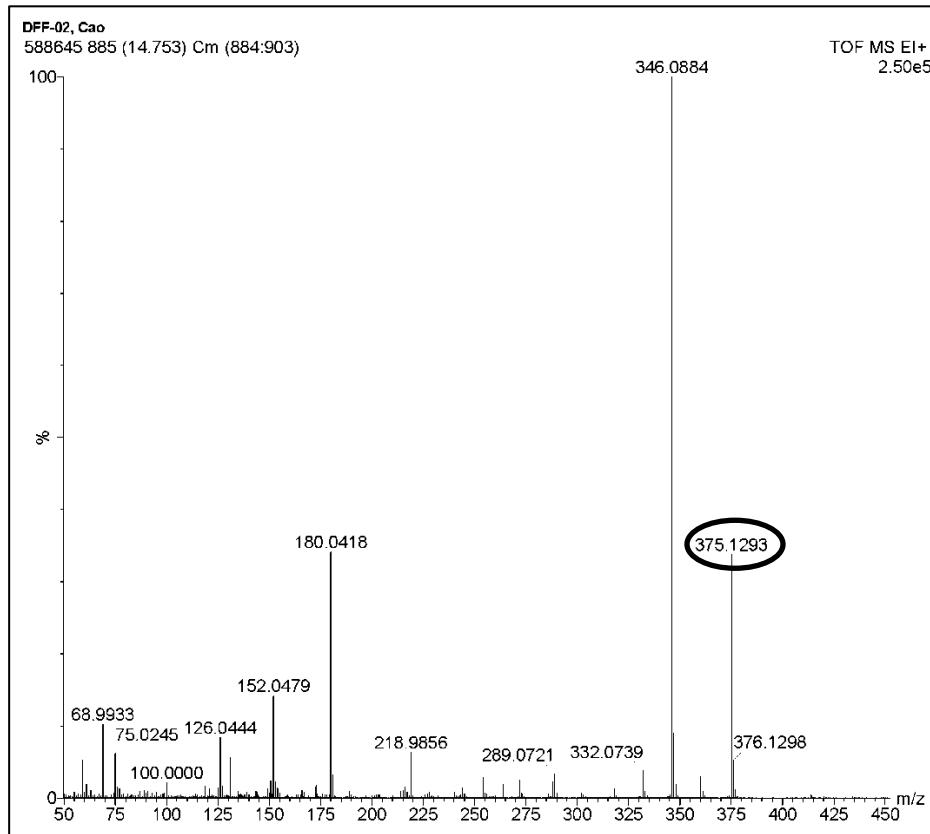




HRMS ES-1



HRMS ES-2



HRMS ES-3

