

Electronic supporting Information

Effects of Aromatic Spacers on the Properties of Organic Field Effect Transistors based on π -Extended Tetrathiafulvalene Derivatives

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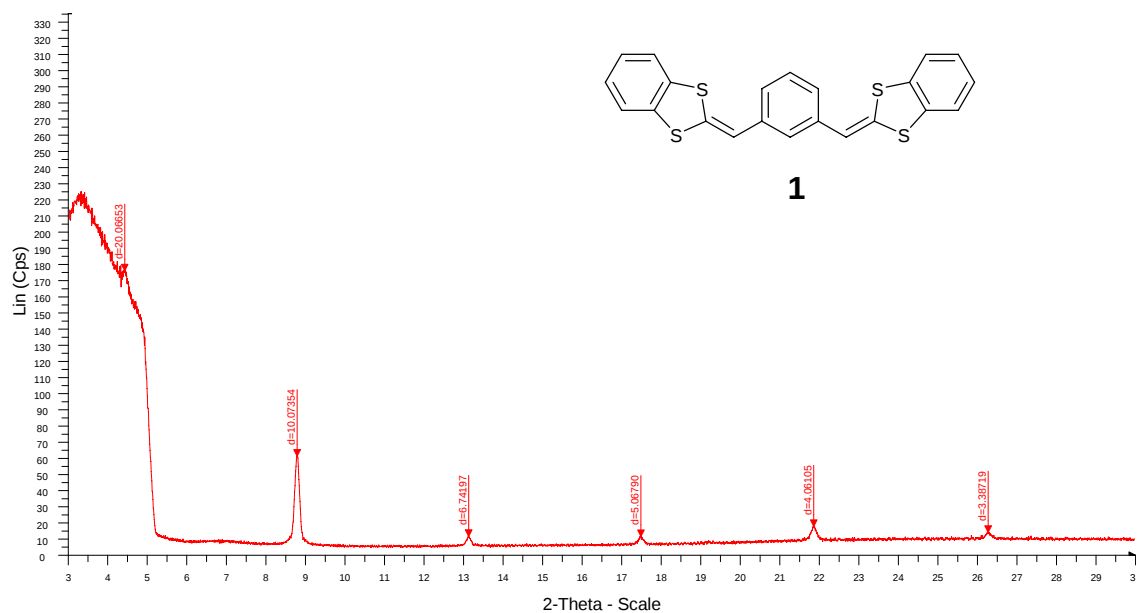


Fig. S1a : X-ray diffraction of film of compound 1 deposited on glass

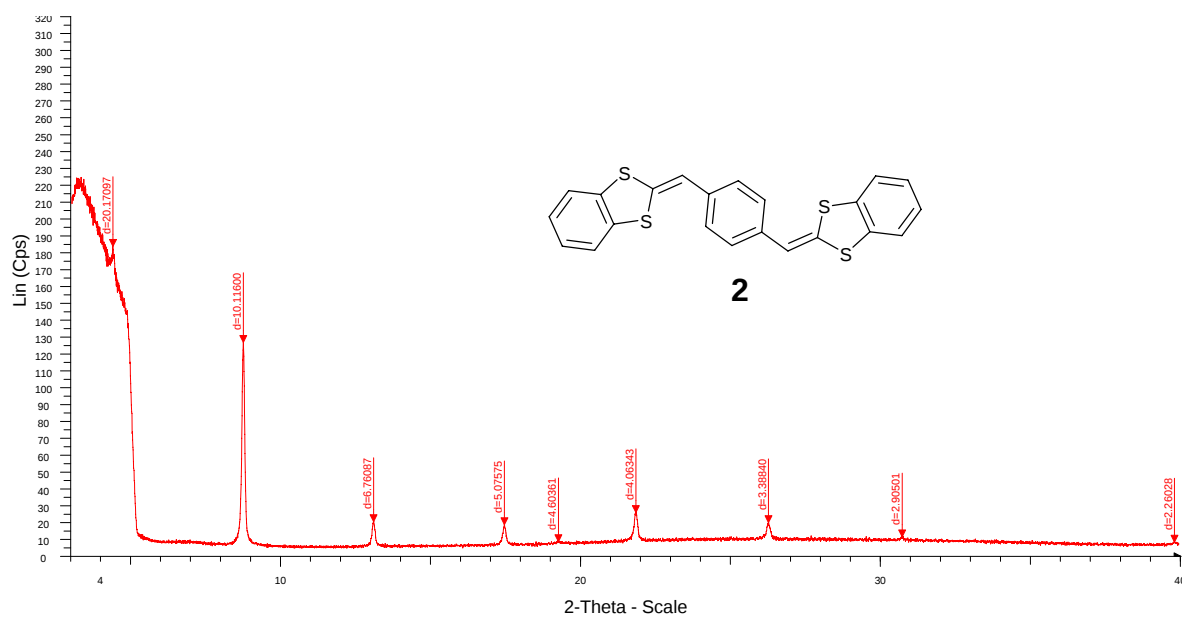


Fig. S1b : X-ray diffraction of film of compound 2 deposited on glass

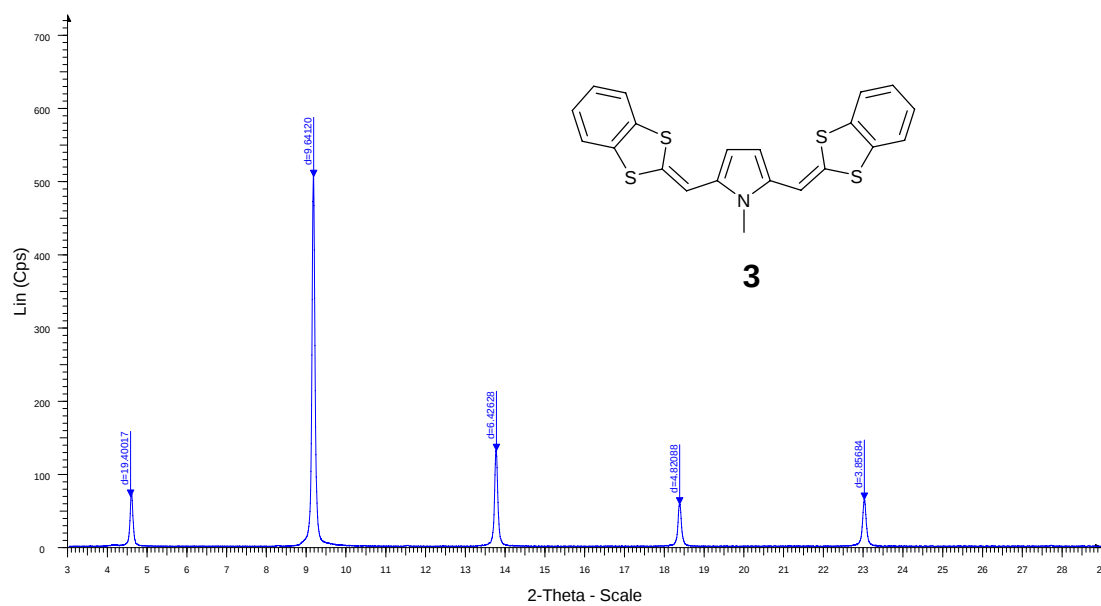


Fig. S1c : X-ray diffraction of film of compound **3** deposited on glass

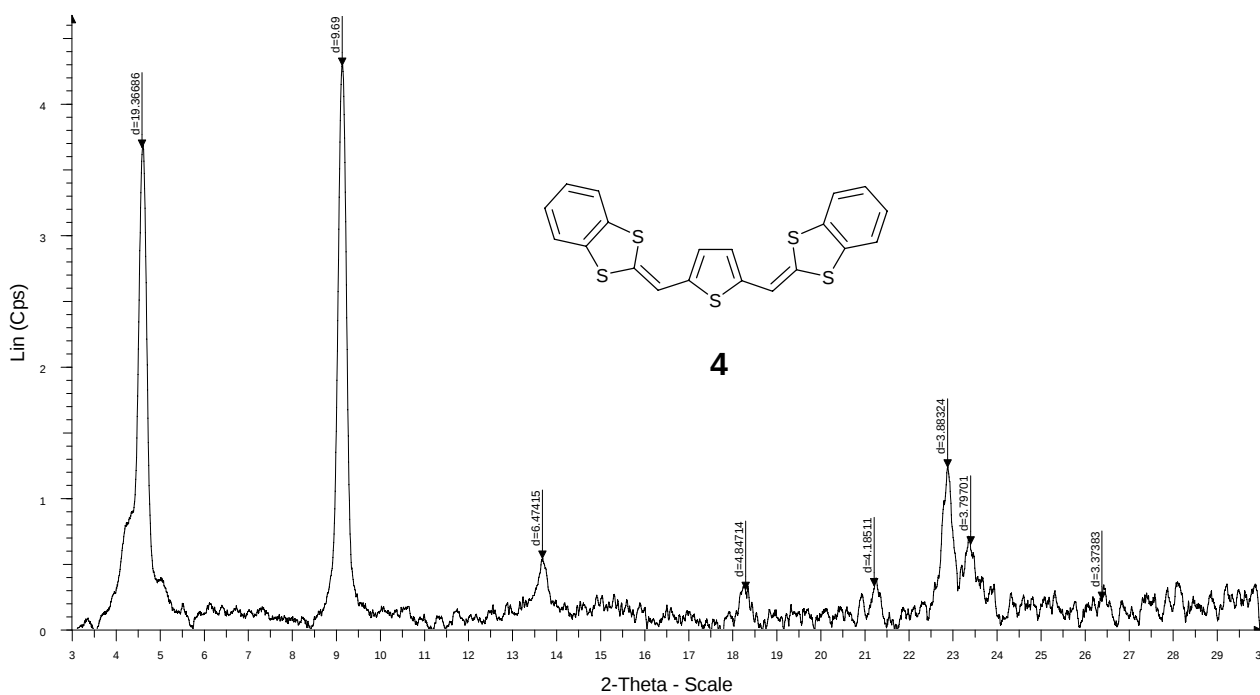


Fig. S1d : X-ray diffraction of film of compound **4** deposited on glass

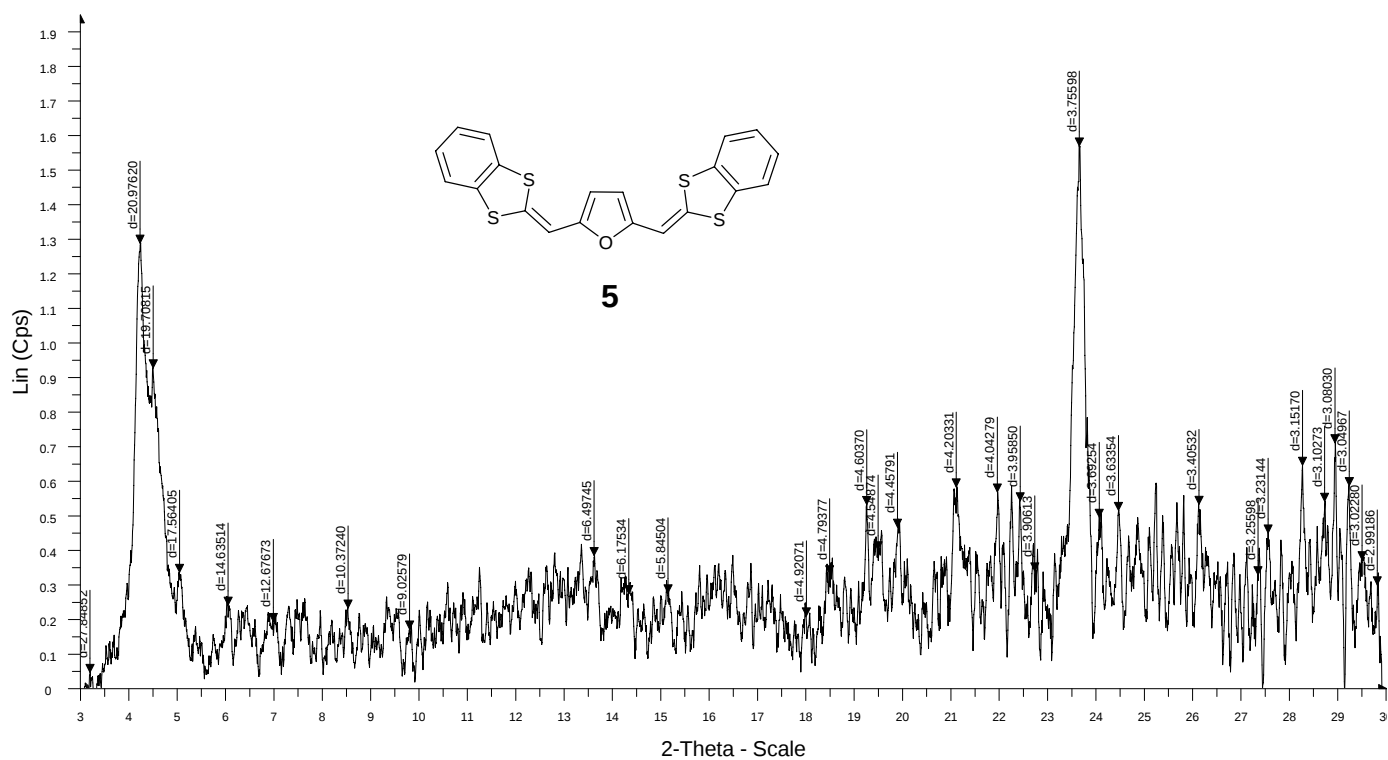
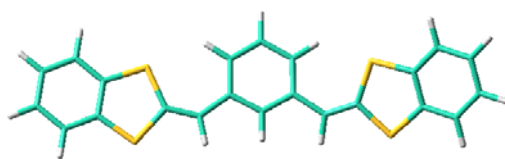
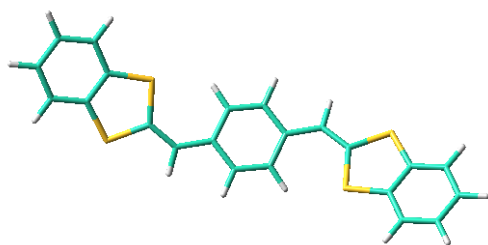
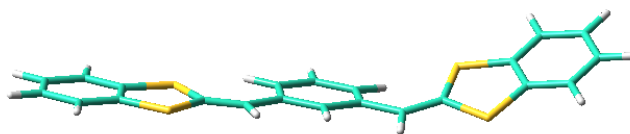


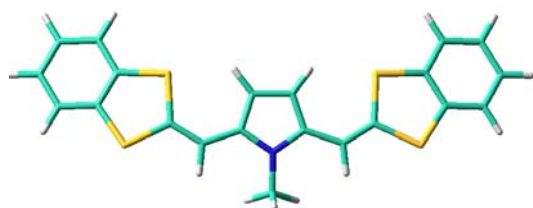
Fig. S1e : X-ray diffraction of film of compound 5 deposited on glass



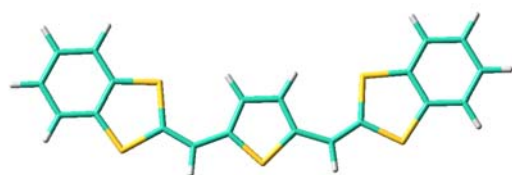
Compound 1



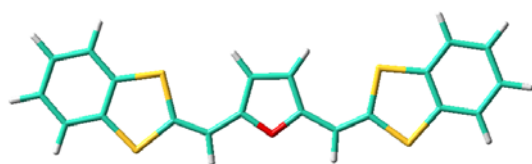
Compound 2



Compound 3



Compound 4 (δ -trans conformation)



Compound 5 (δ -trans conformation)



Fig S2 : Structure of the calculated conformations (density functional theory at the B3LYP/6-31G(d) level) of compounds 1-5

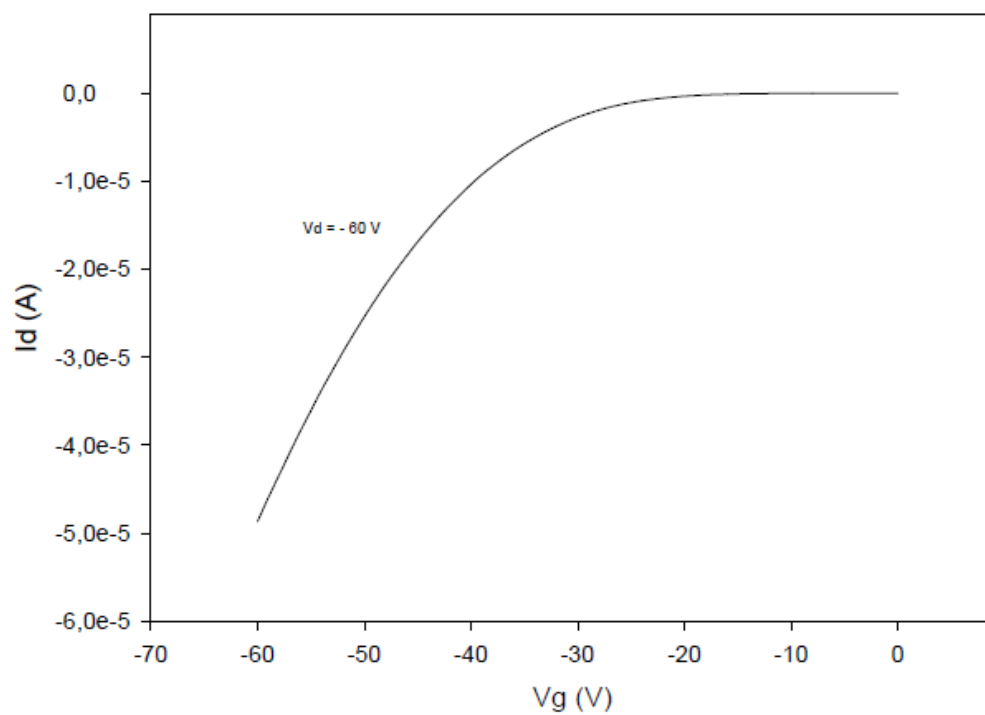
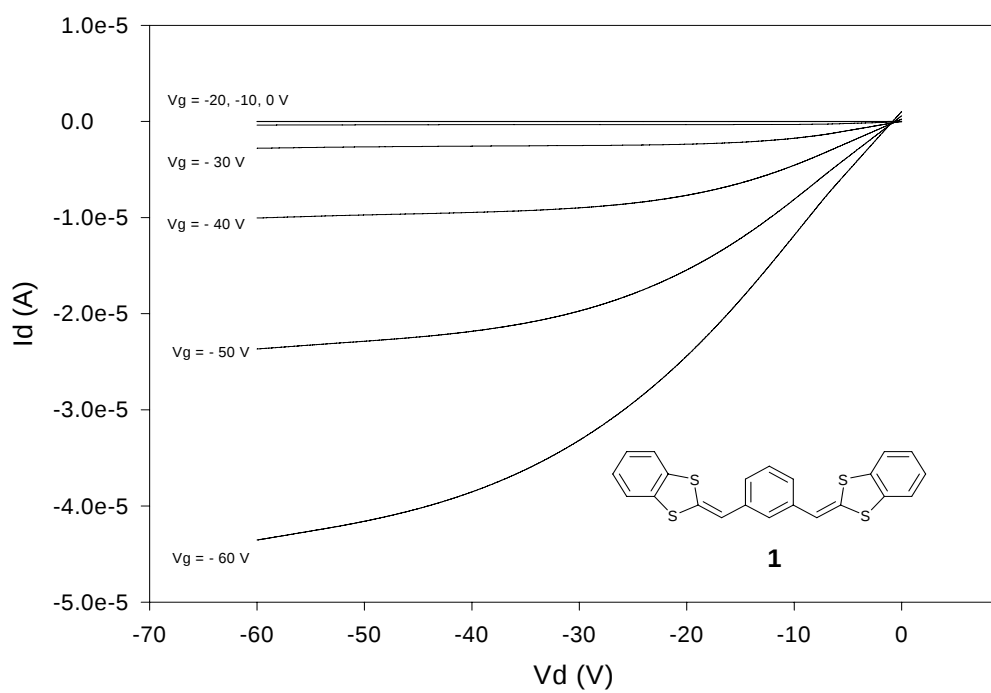


Figure S3a : Characteristics of OFET built with compounds **1** in a glove box.

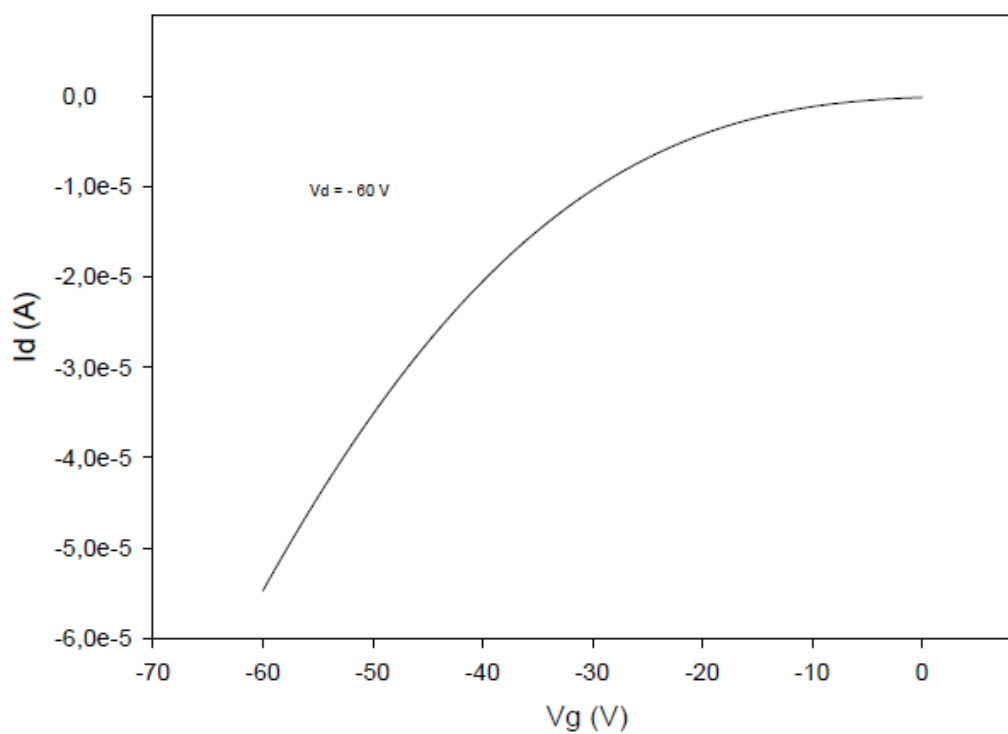
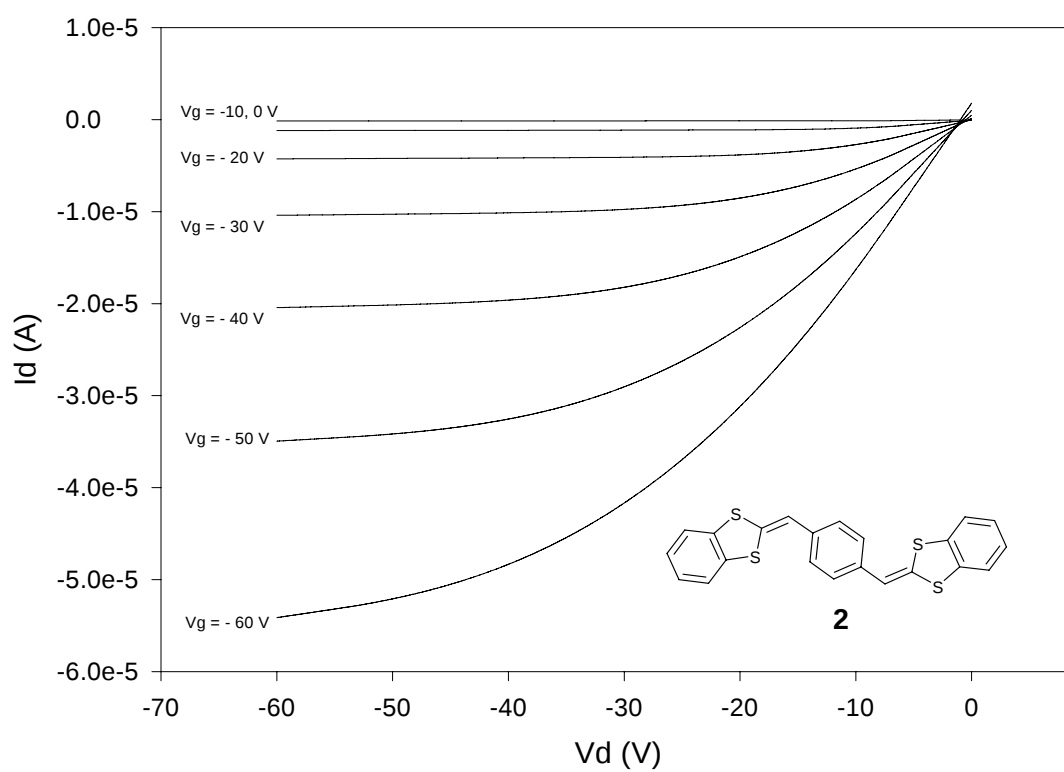


Figure S3b : Characteristics of OFET built with compounds **2** in a glove box.

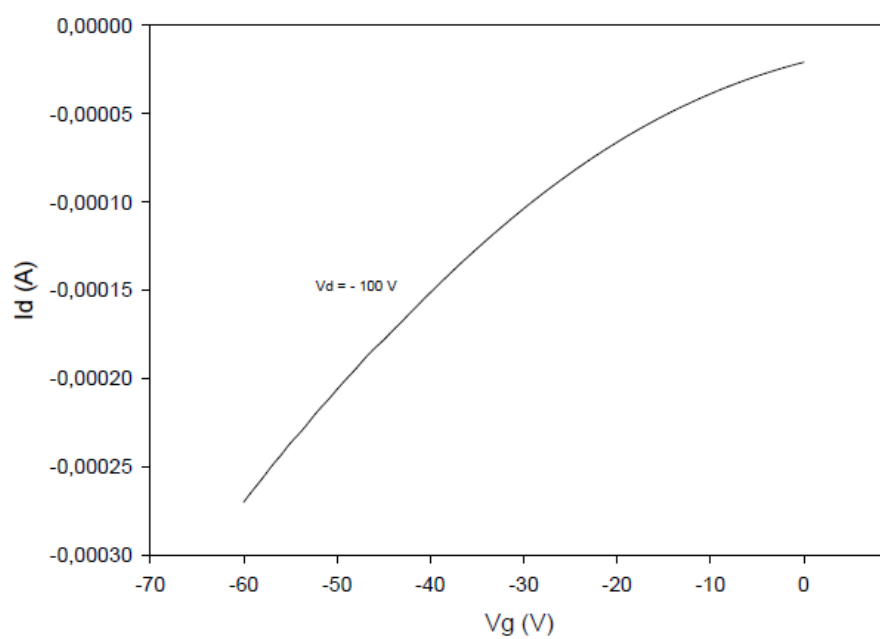
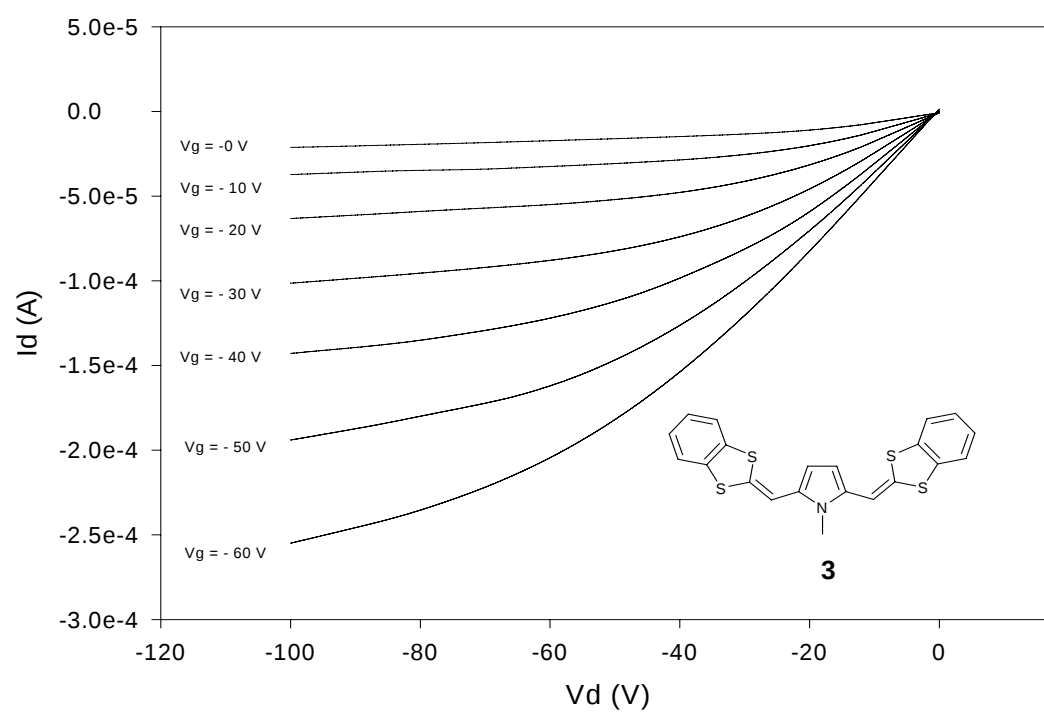


Figure S3c : Characteristics of OFET built with compounds **3** in a glove box.

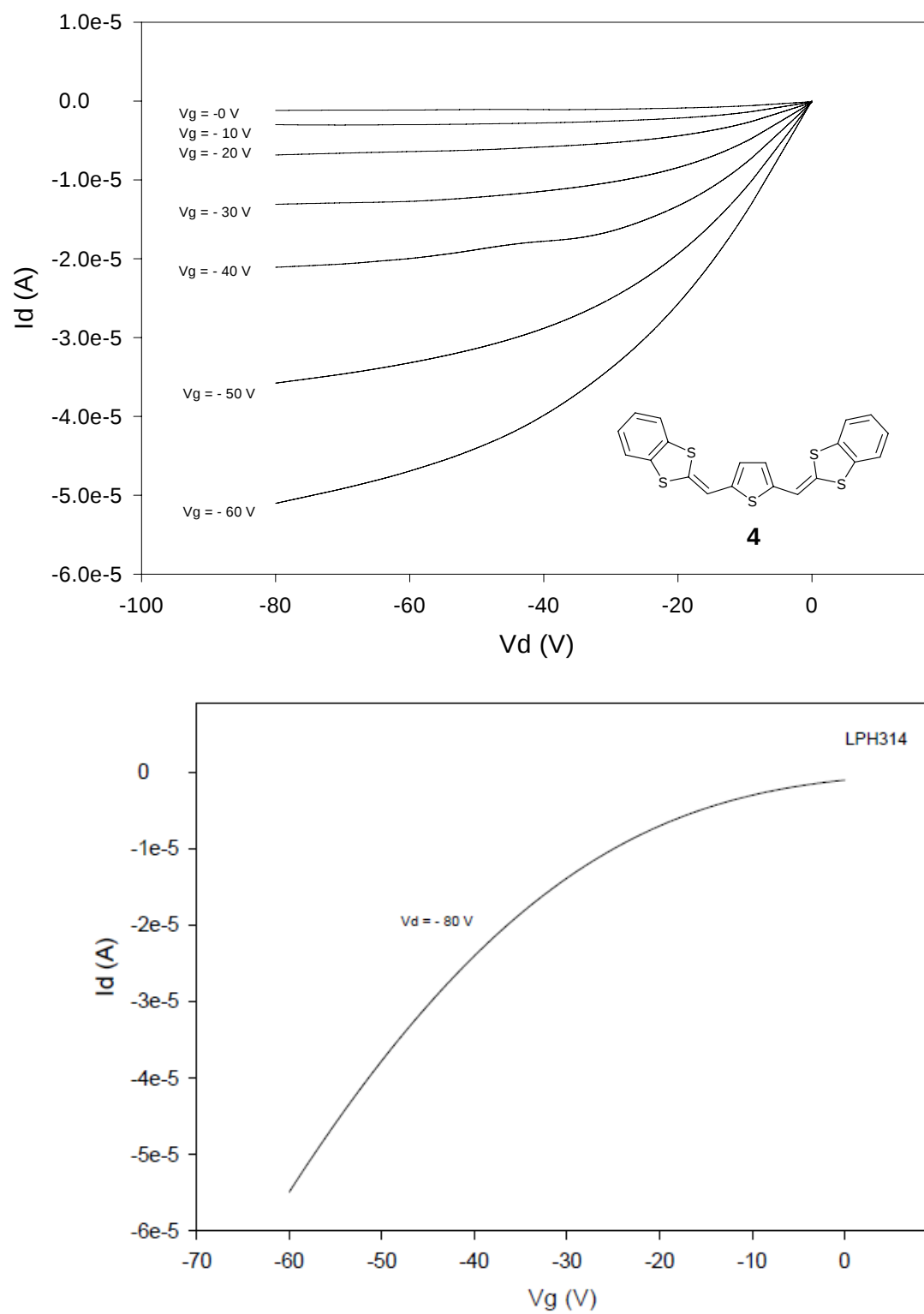


Figure S3d : Characteristics of OFET built with compounds **4** in a glove box.

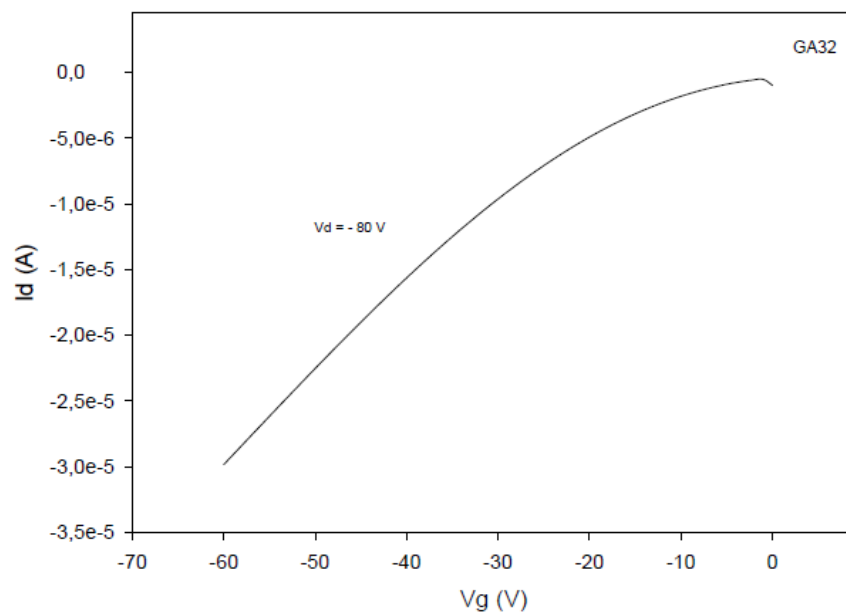
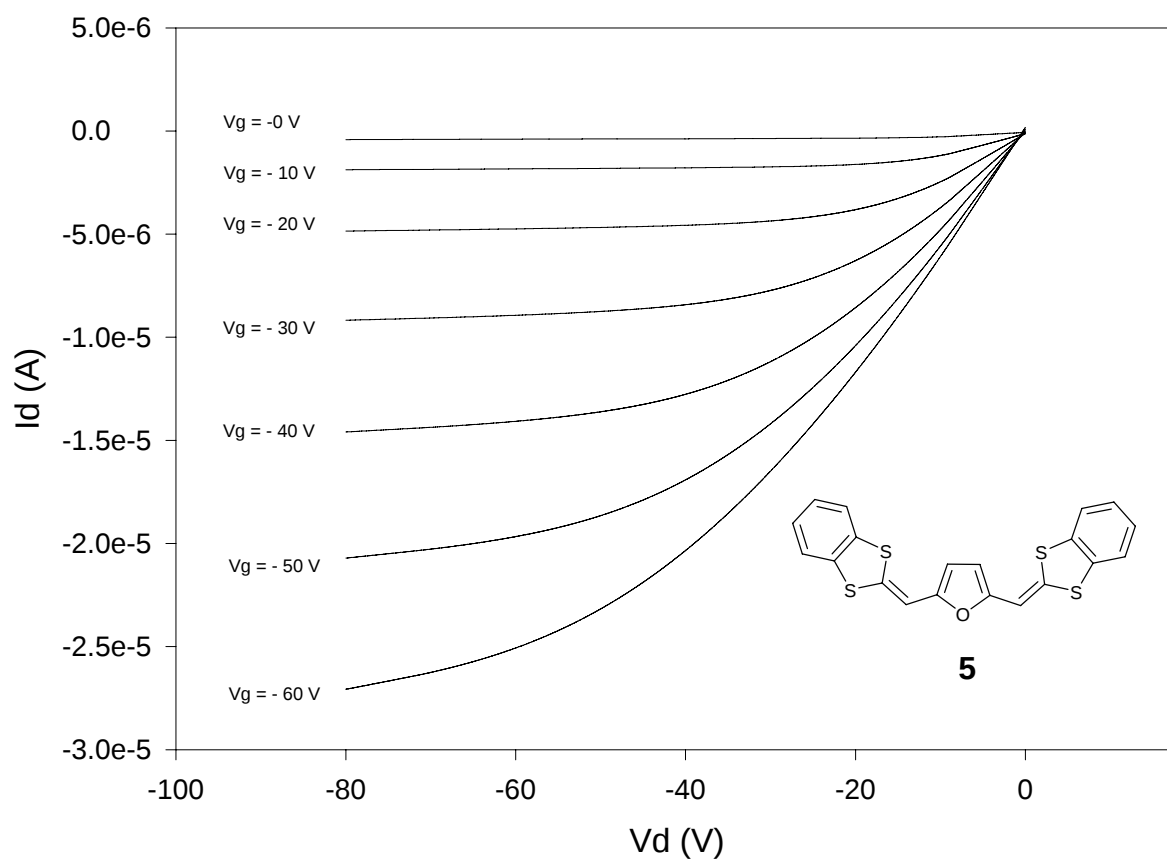


Figure S3e : Characteristics of OFET built with compounds **5** in a glove box.