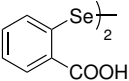


1. NaNO_2 , HCl

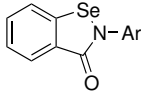
2. Na_2Se_2 , NaOH



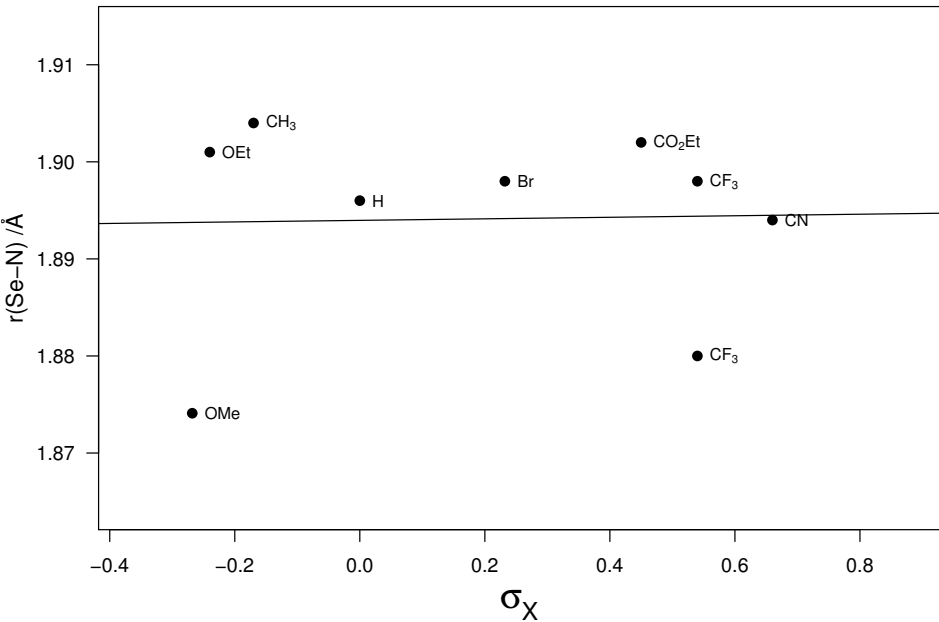
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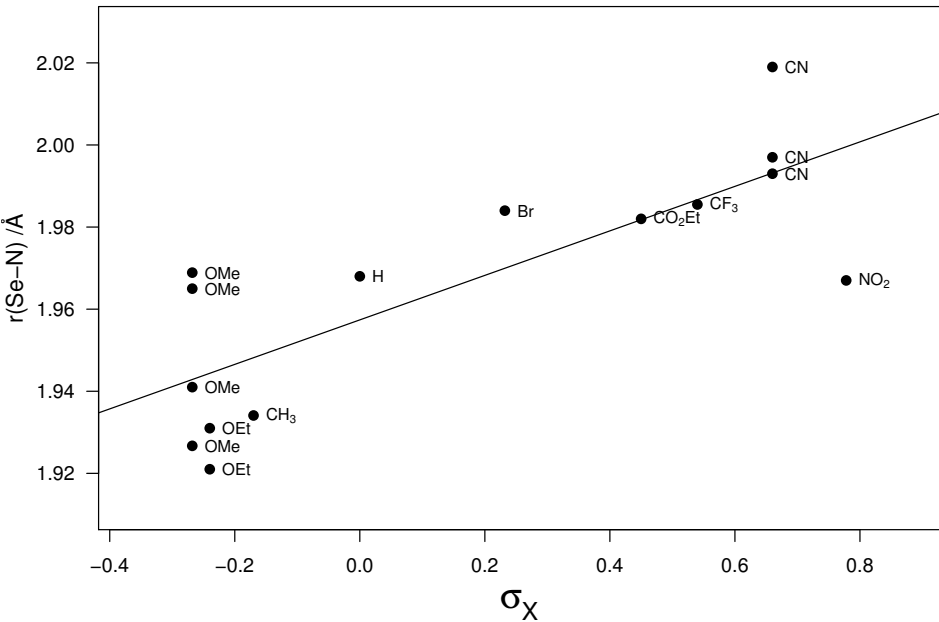
1. SOCl_2 , cat. DMF

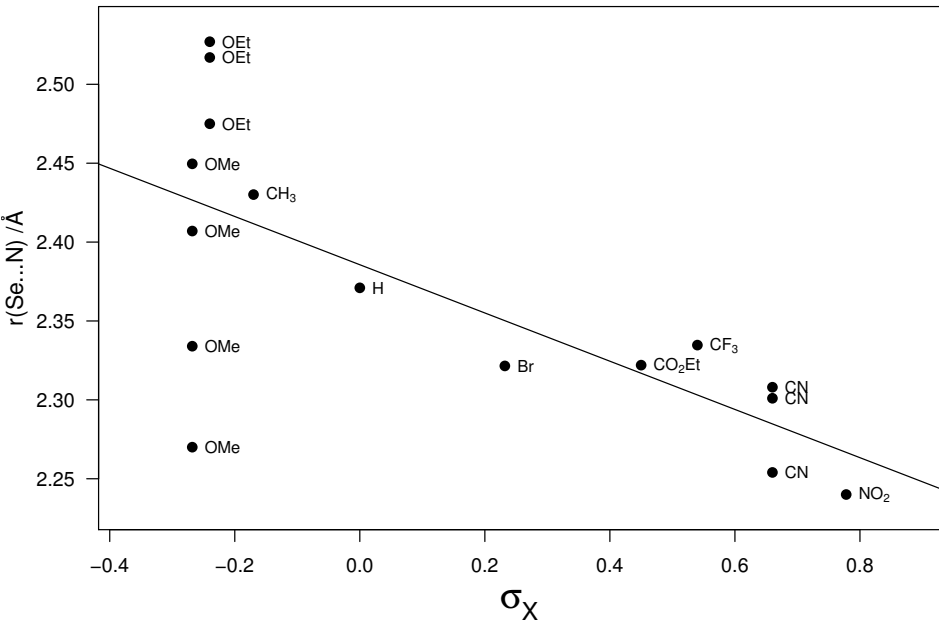
2. Ar-NH_2 , TEA

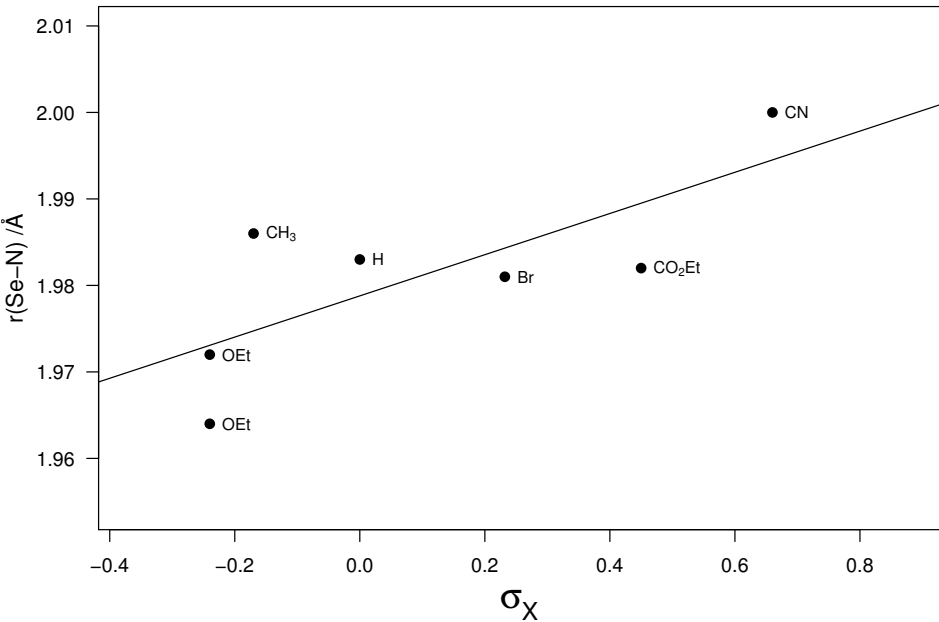


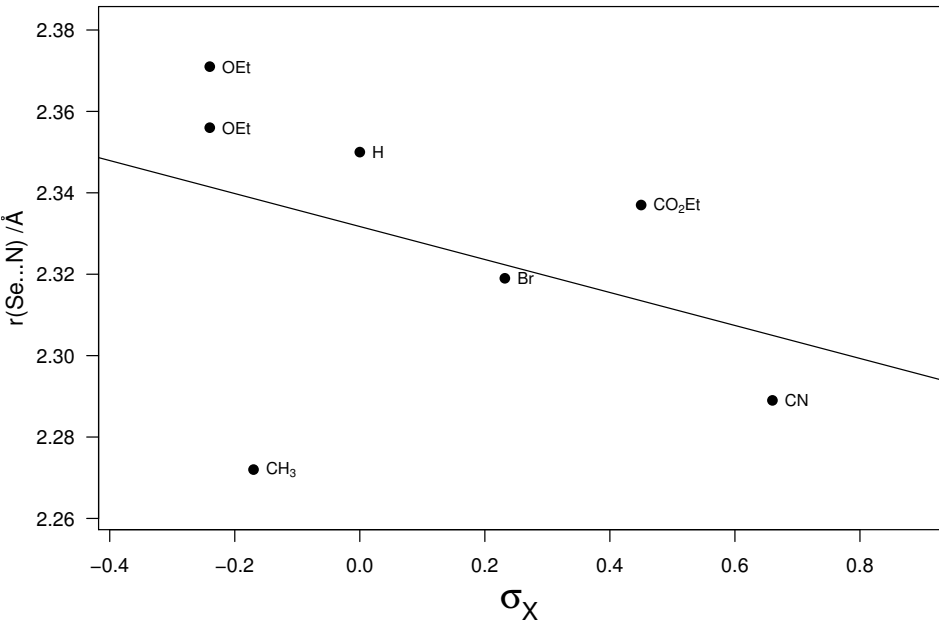
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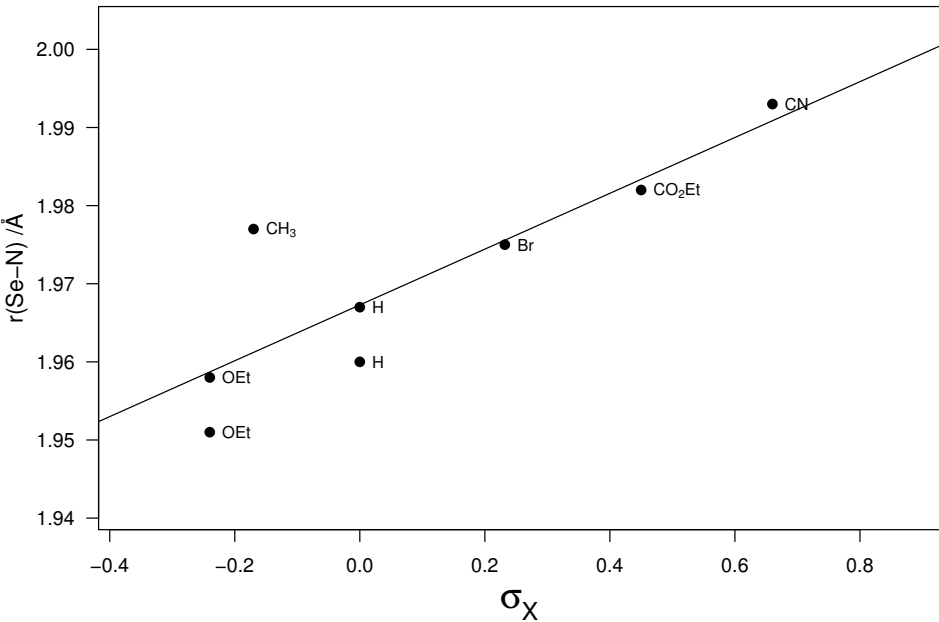


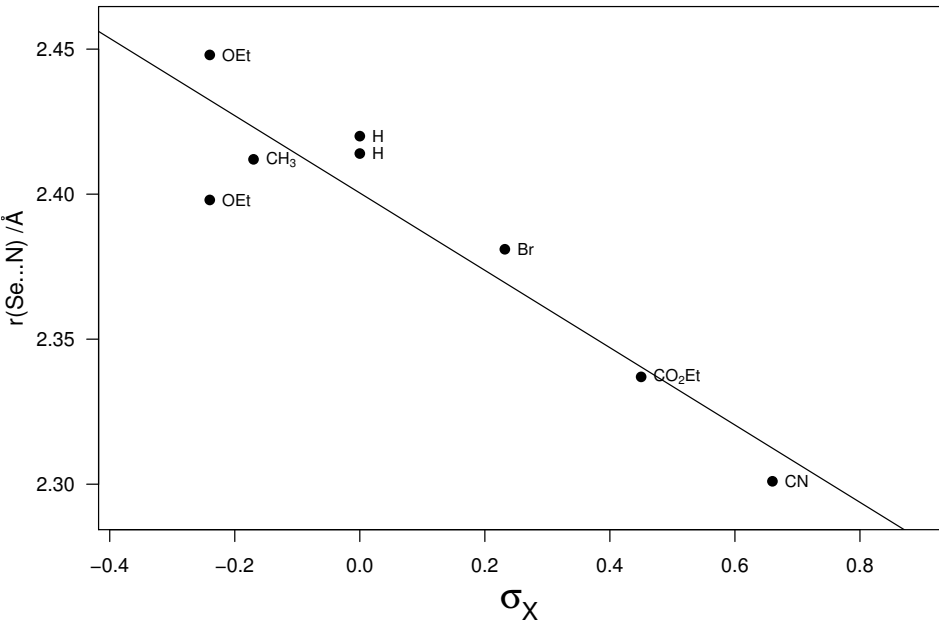


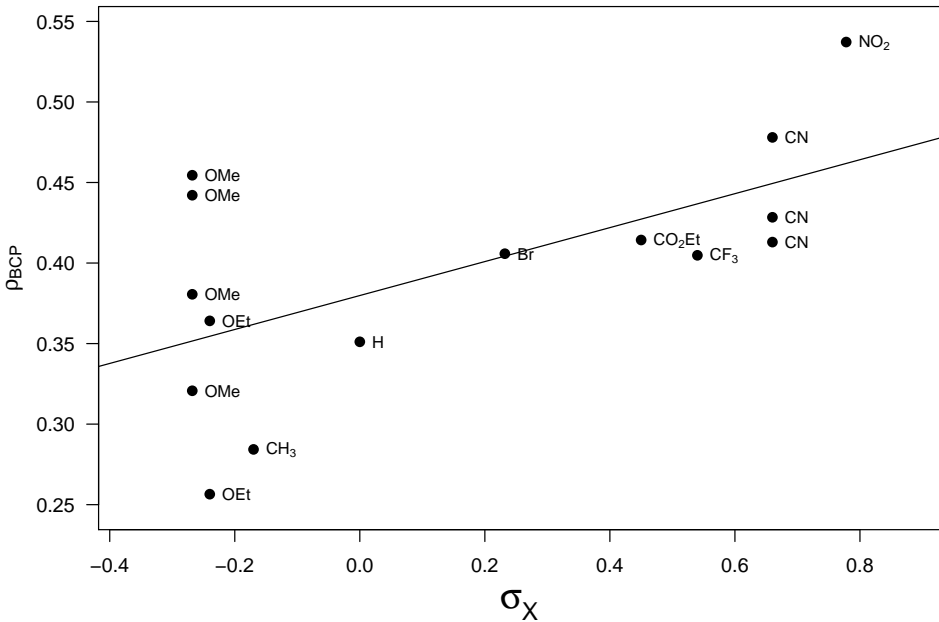


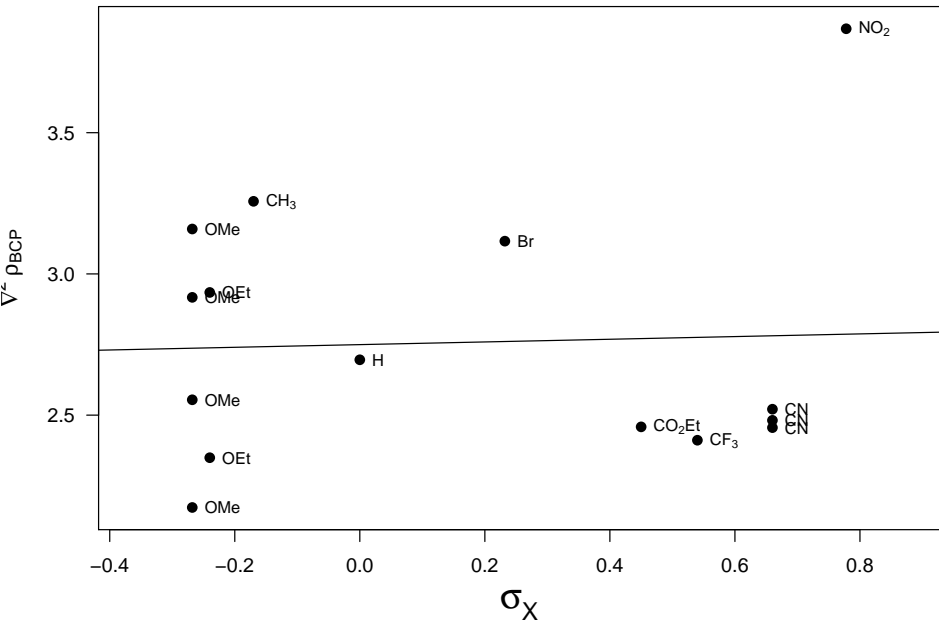


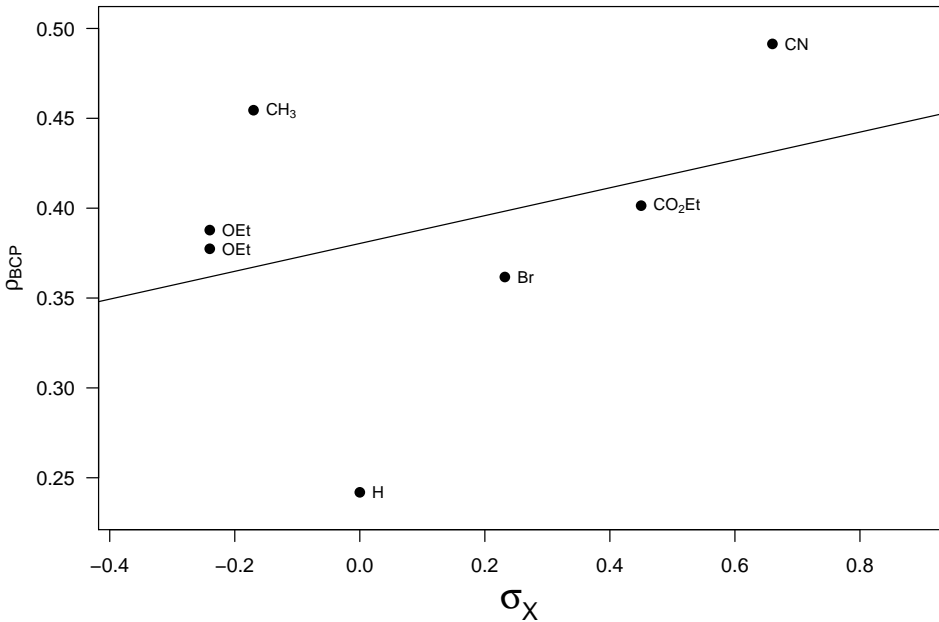


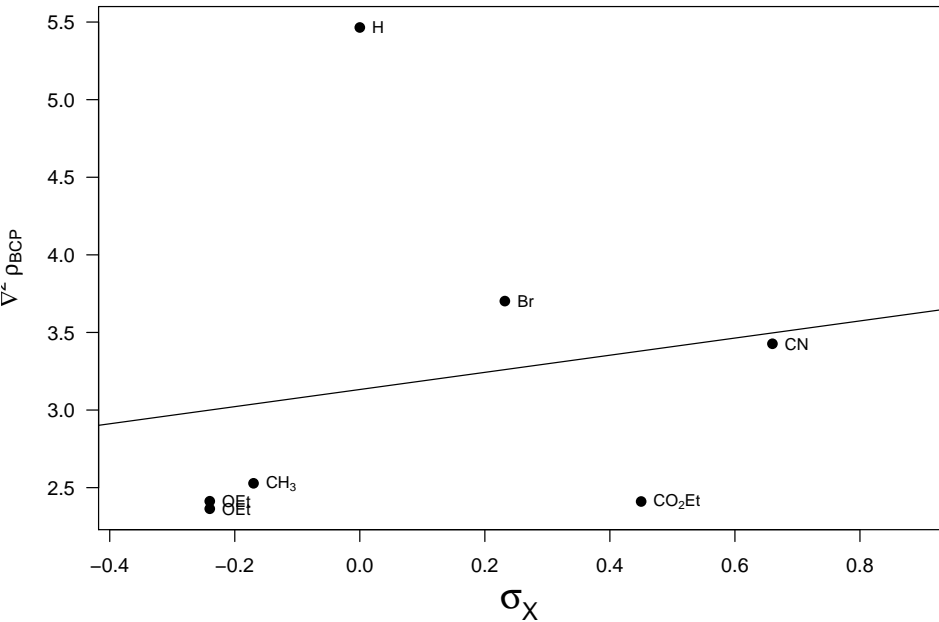


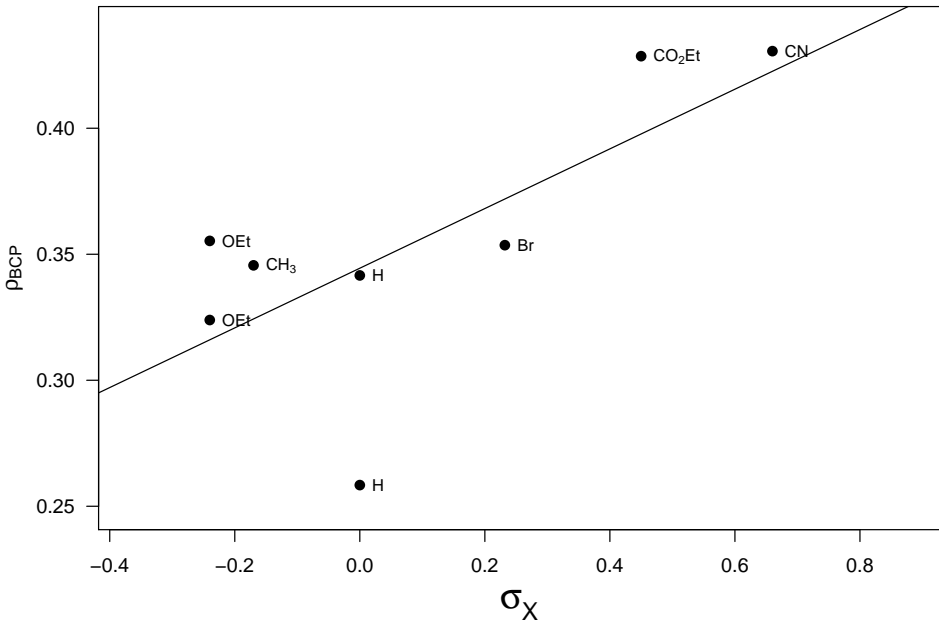


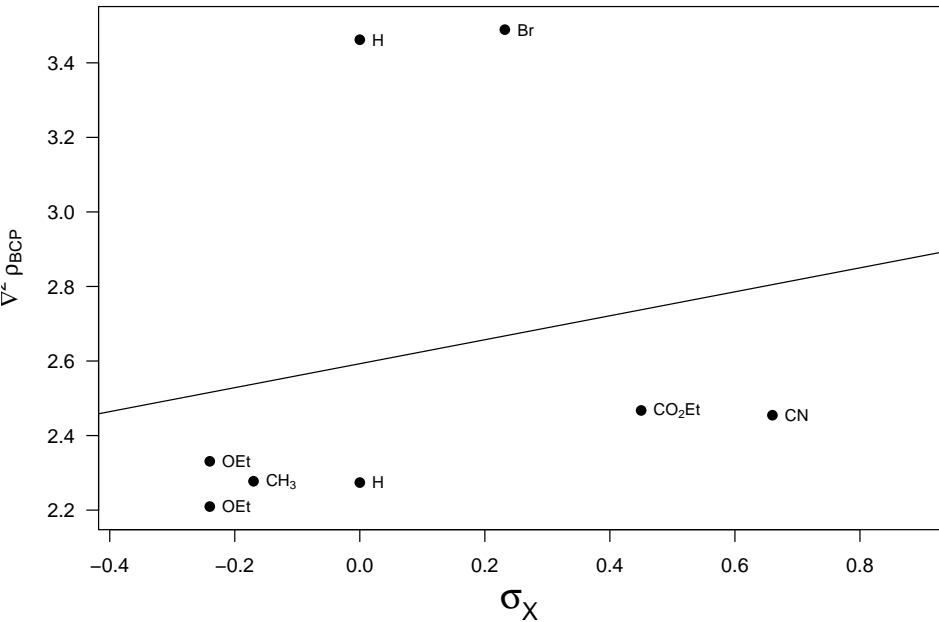


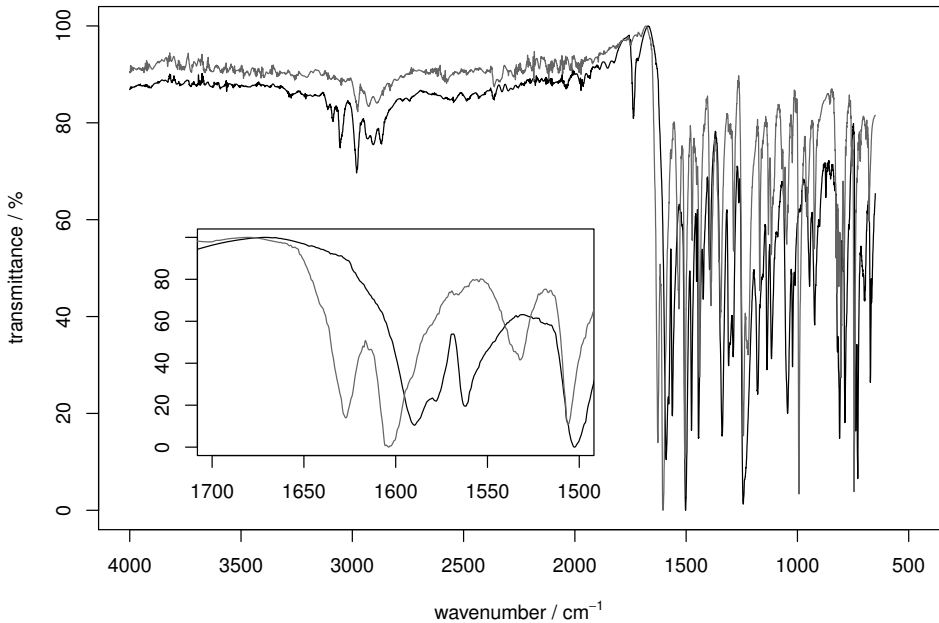


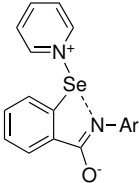
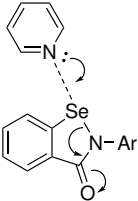


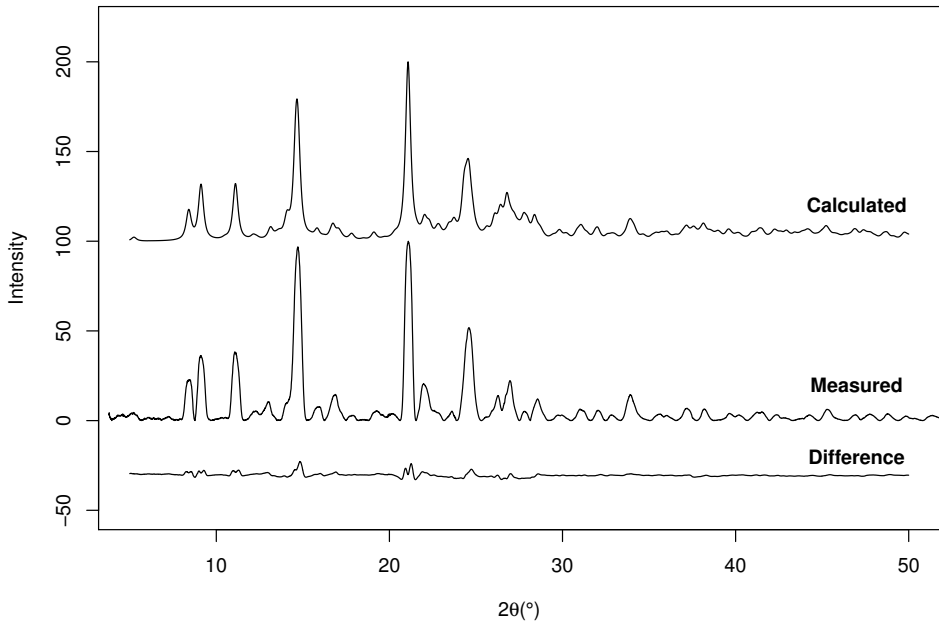


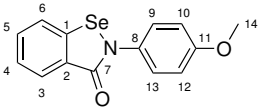
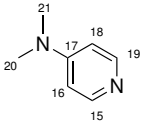


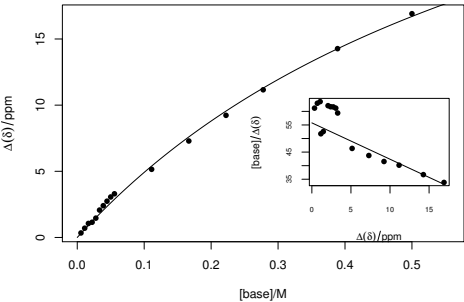


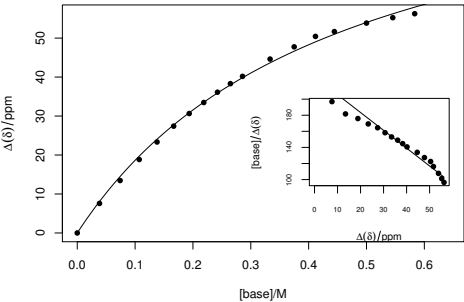


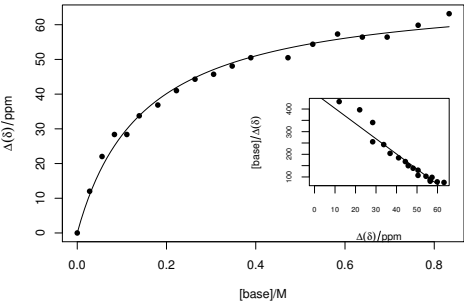


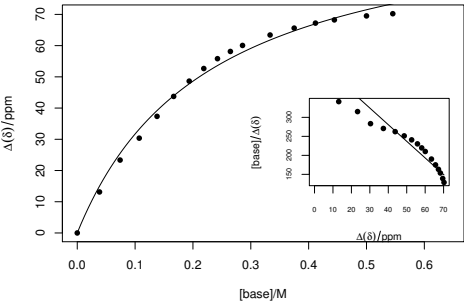


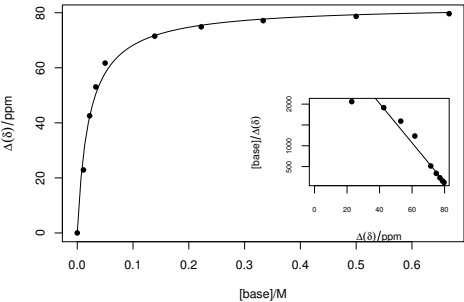


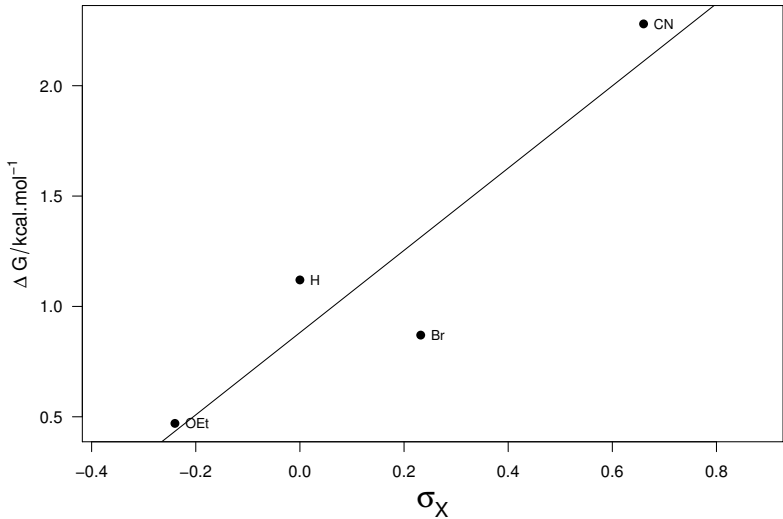


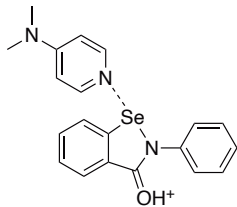






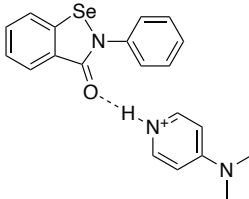




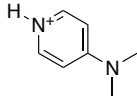


m/z: 398.08

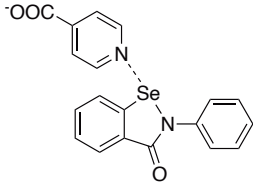
or



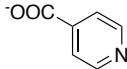
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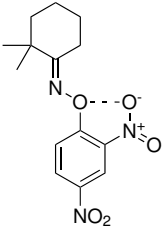
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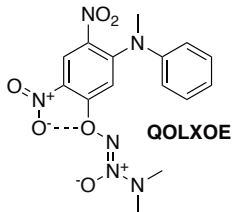
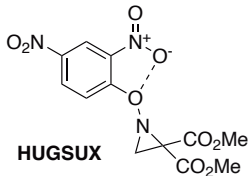
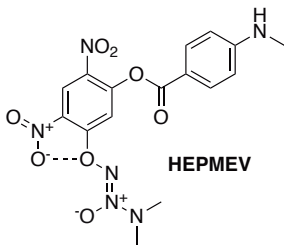
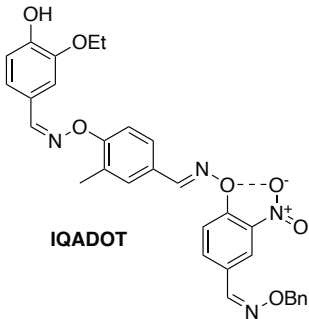


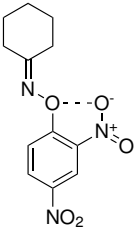
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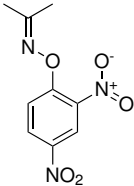
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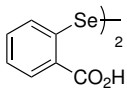




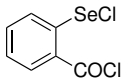
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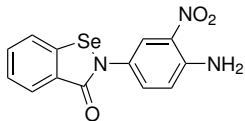
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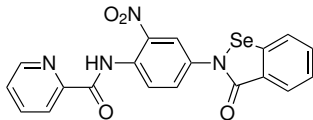
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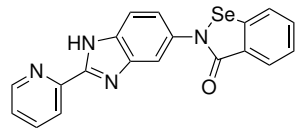
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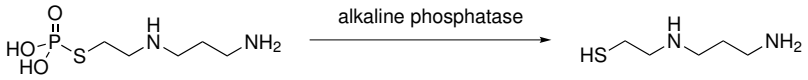
14

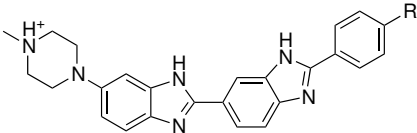


13



11

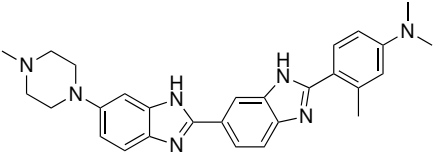


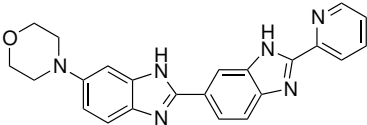


Hoechst 33258 R: OH

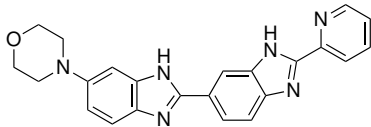
Hoechst 33342 R: OCH_2CH_3

Hoechst 34580 R: $\text{N}(\text{CH}_3)_2$

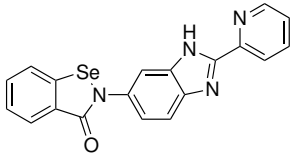




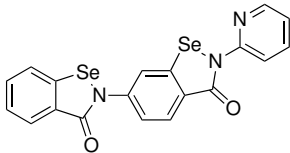
10



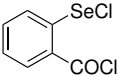
10



11

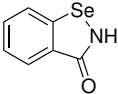


12

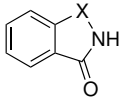


6

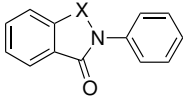
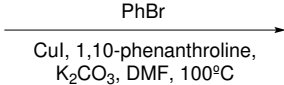
NH_3 (aq)



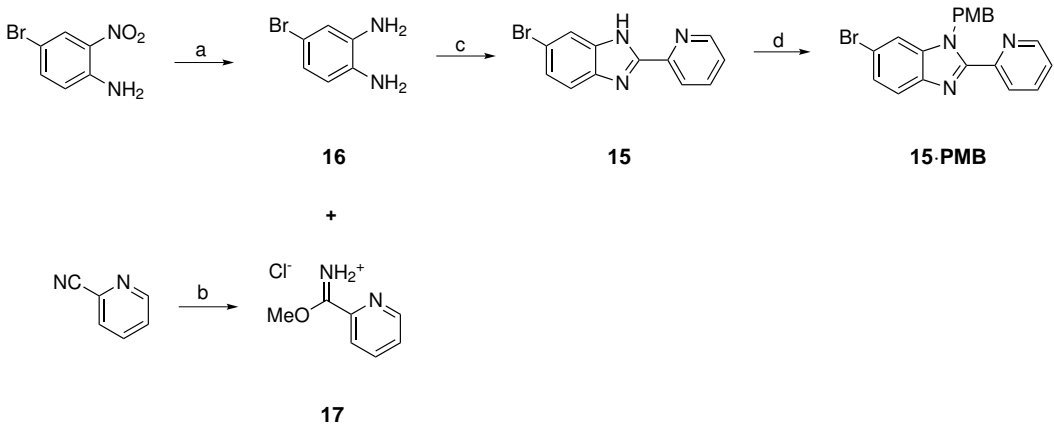
1b

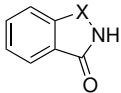


1b

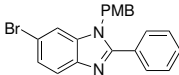


1



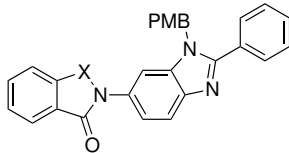


1b

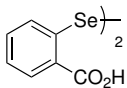


18-PMB

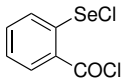
CuI, 1,10-phenanthroline,
K₂CO₃, DMF, 100°C



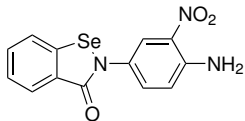
19-PMB



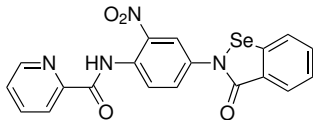
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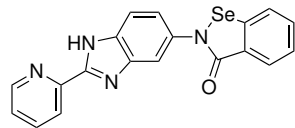
6



14

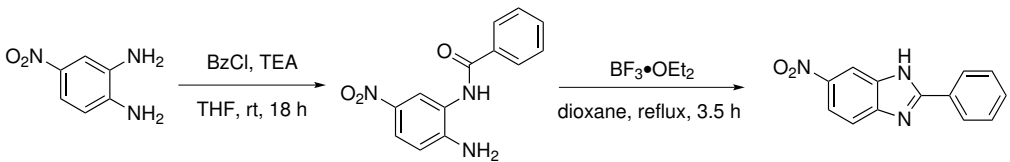


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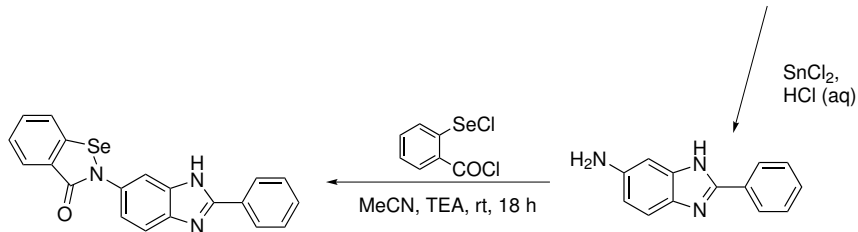
11





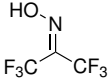
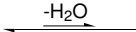
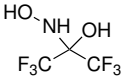
21

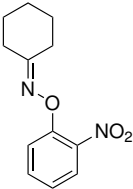
22



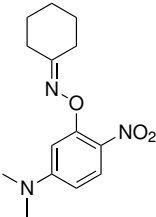
19

23

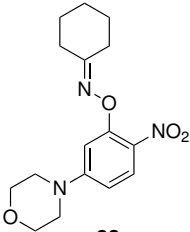




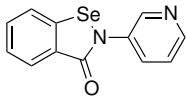
26



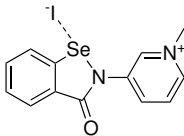
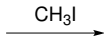
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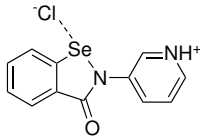
28



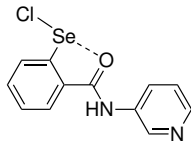
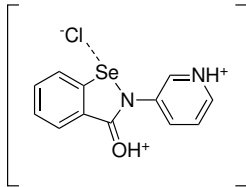
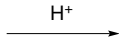
1c



1d



1e



29