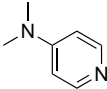
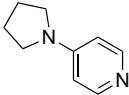


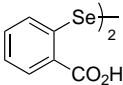
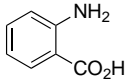
**4a**



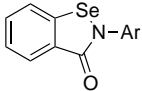
**DMAP**



**4b**

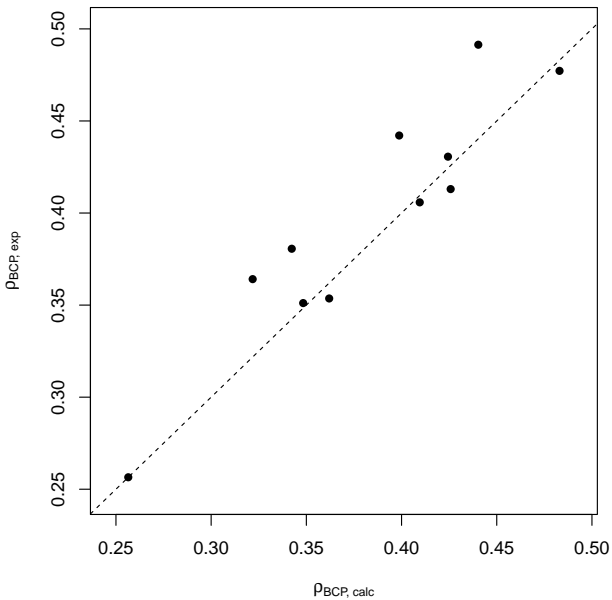


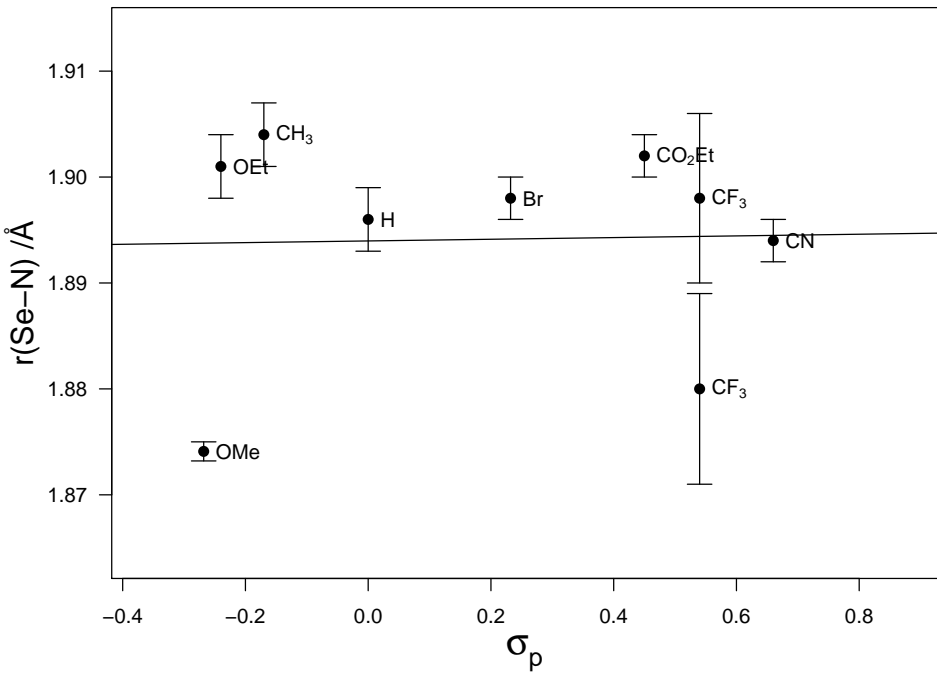
**5**

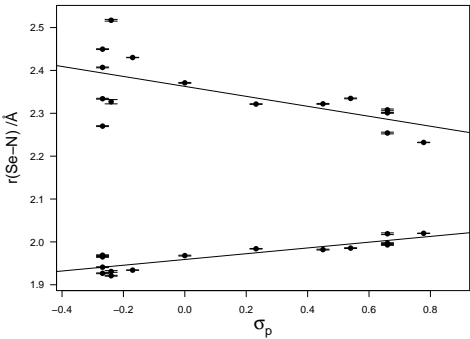


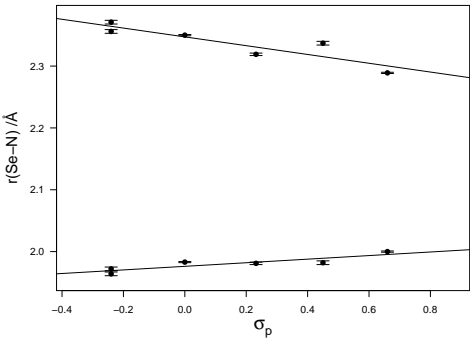
**1**

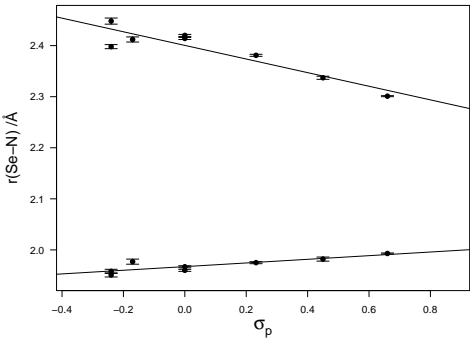


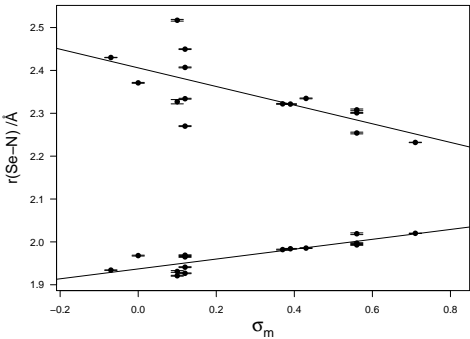


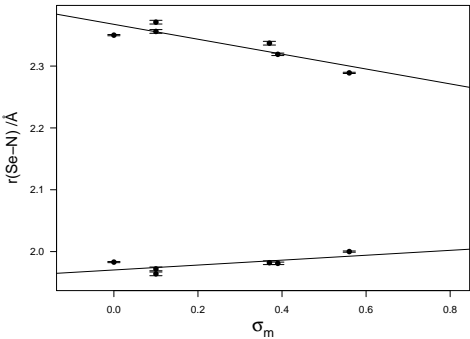


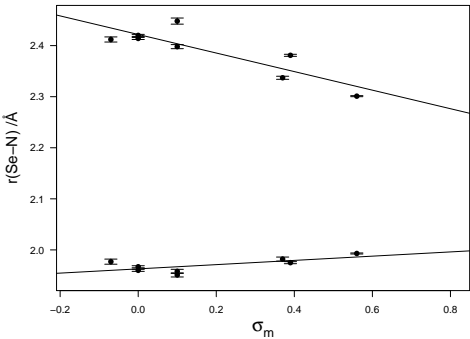




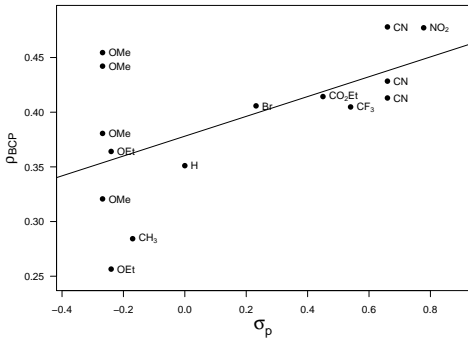


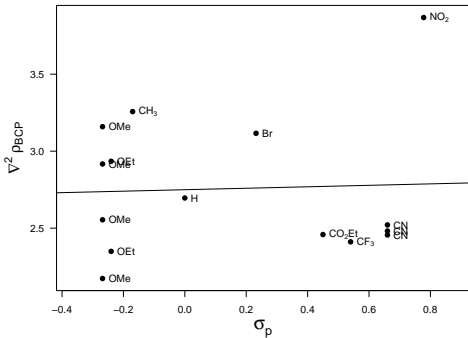


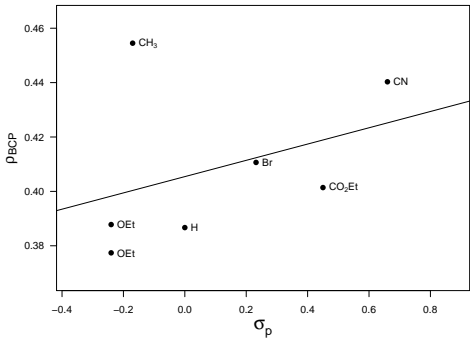


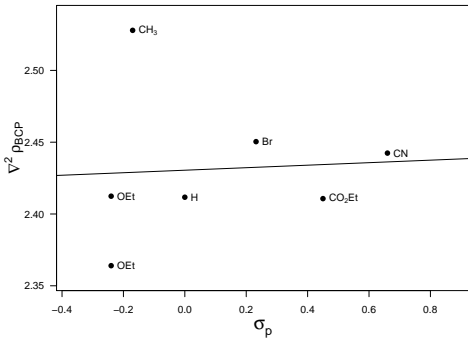


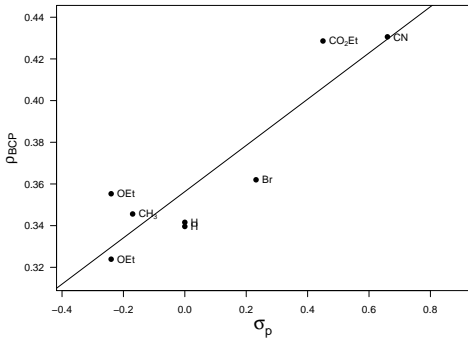


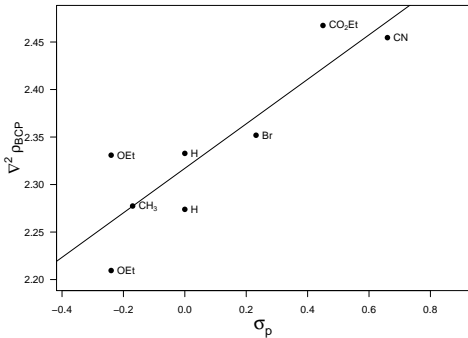


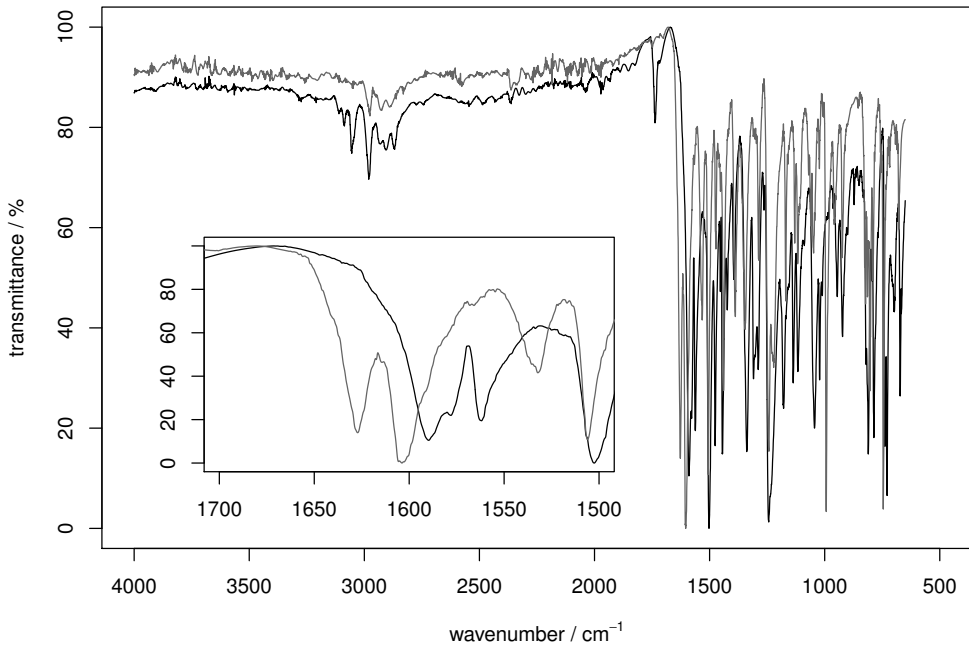


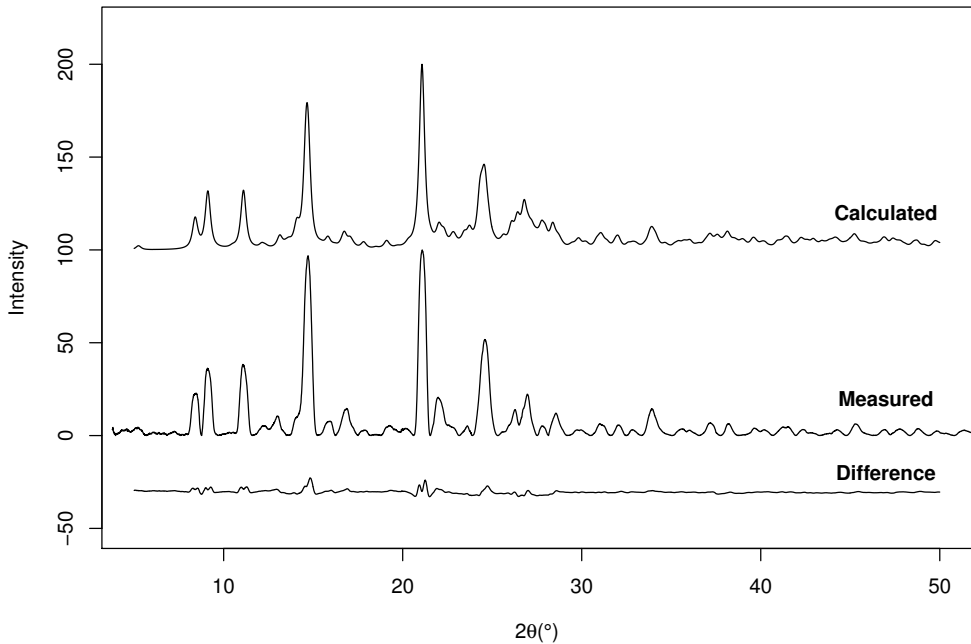




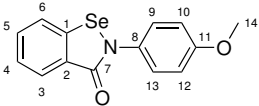
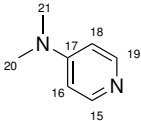


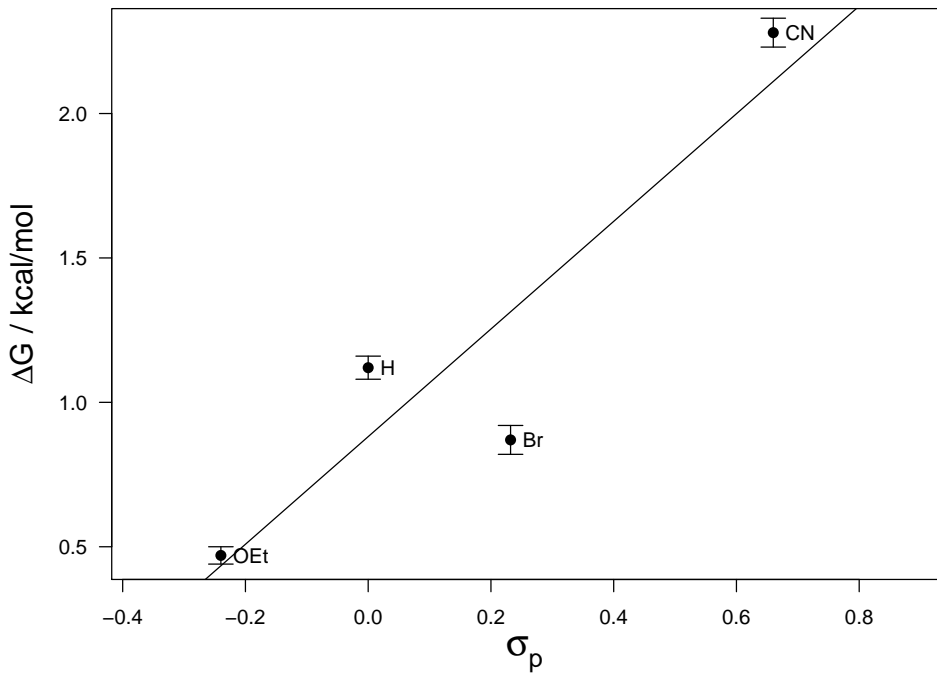


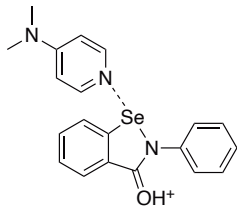






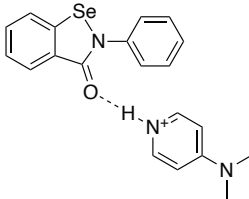




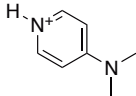


$m/z$ : 398.08

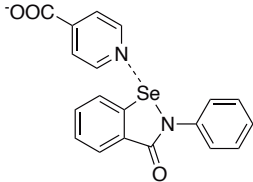
or



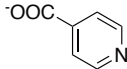
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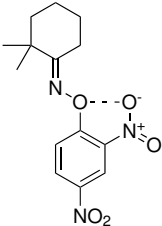
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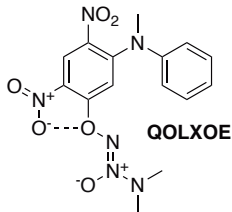
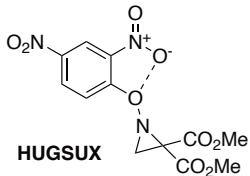
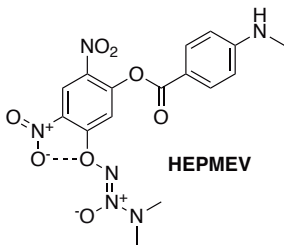
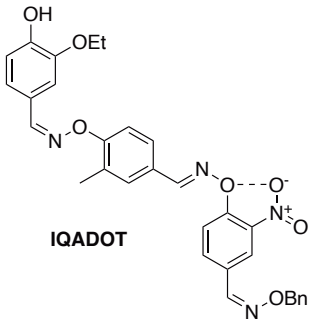


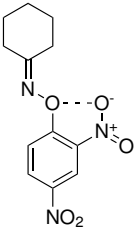
m/z: 397.01



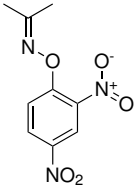
m/z: 122.02



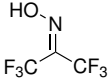
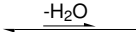
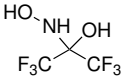




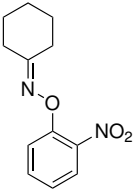
**8**



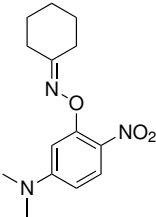
**9**



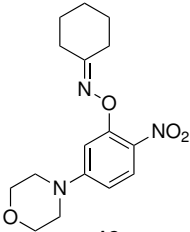




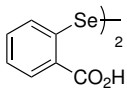
**10**



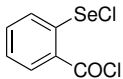
11



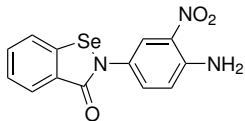
**12**



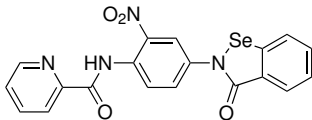
**5**



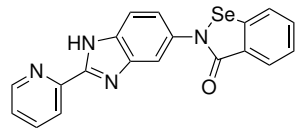
**6**



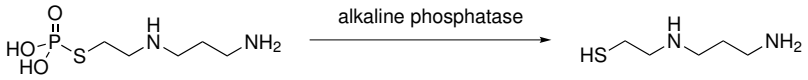
**17**

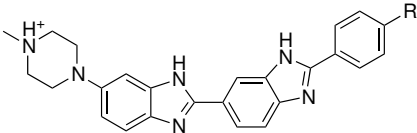


**16**



**14**

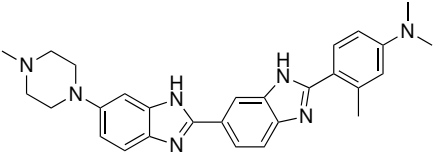


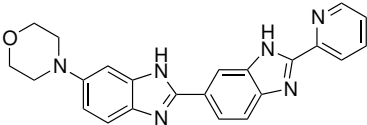


Hoechst 33258 R: OH

Hoechst 33342 R:  $\text{OCH}_2\text{CH}_3$

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

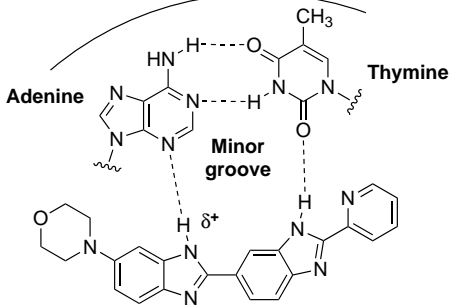




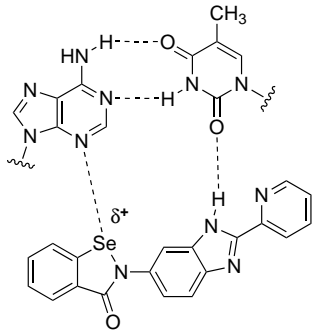
**13**



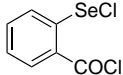
Major groove



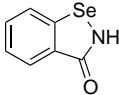
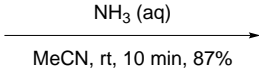
13



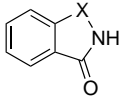
14



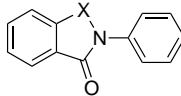
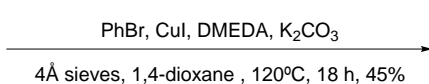
**6**



**1b**

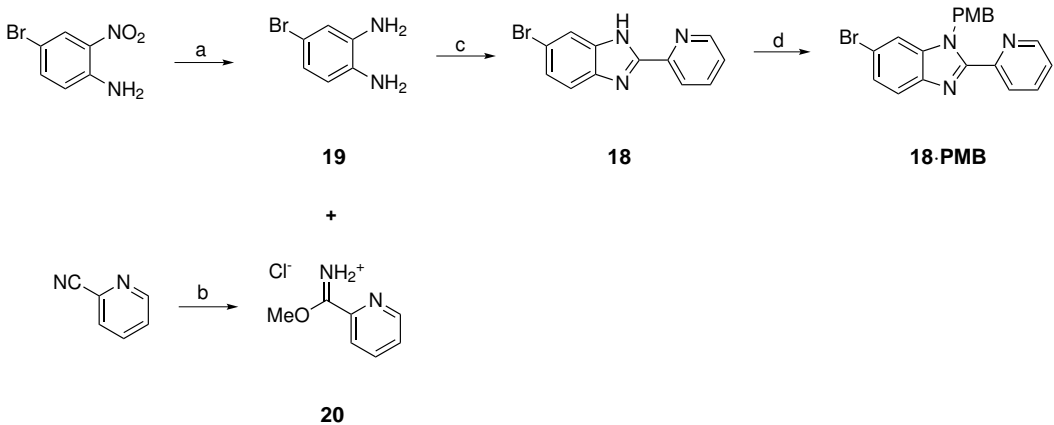


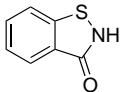
**1b and 1b-S**



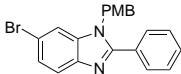
**1 and 1-S**

$X = \text{S, Se}$





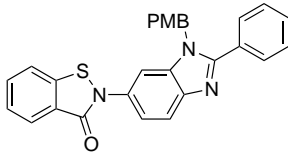
**1b-S**



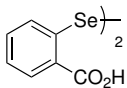
**21-PMB**

CuI, DMEDA, K<sub>2</sub>CO<sub>3</sub>

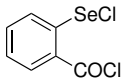
4 Å sieves, 1,4-dioxane, 120°C, 24 h, 48%



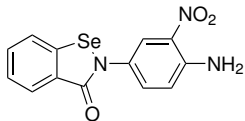
**22-S-PMB**



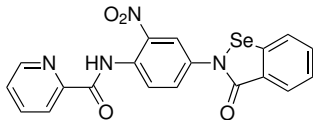
**5**



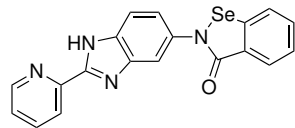
**6**



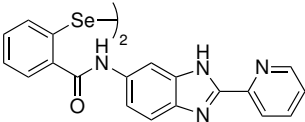
**17**



**16**



**14**



23

