

Supporting Information  
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# **Thiolation of Pyridine-2-Sulfonamides using Magnesium Thiolates**

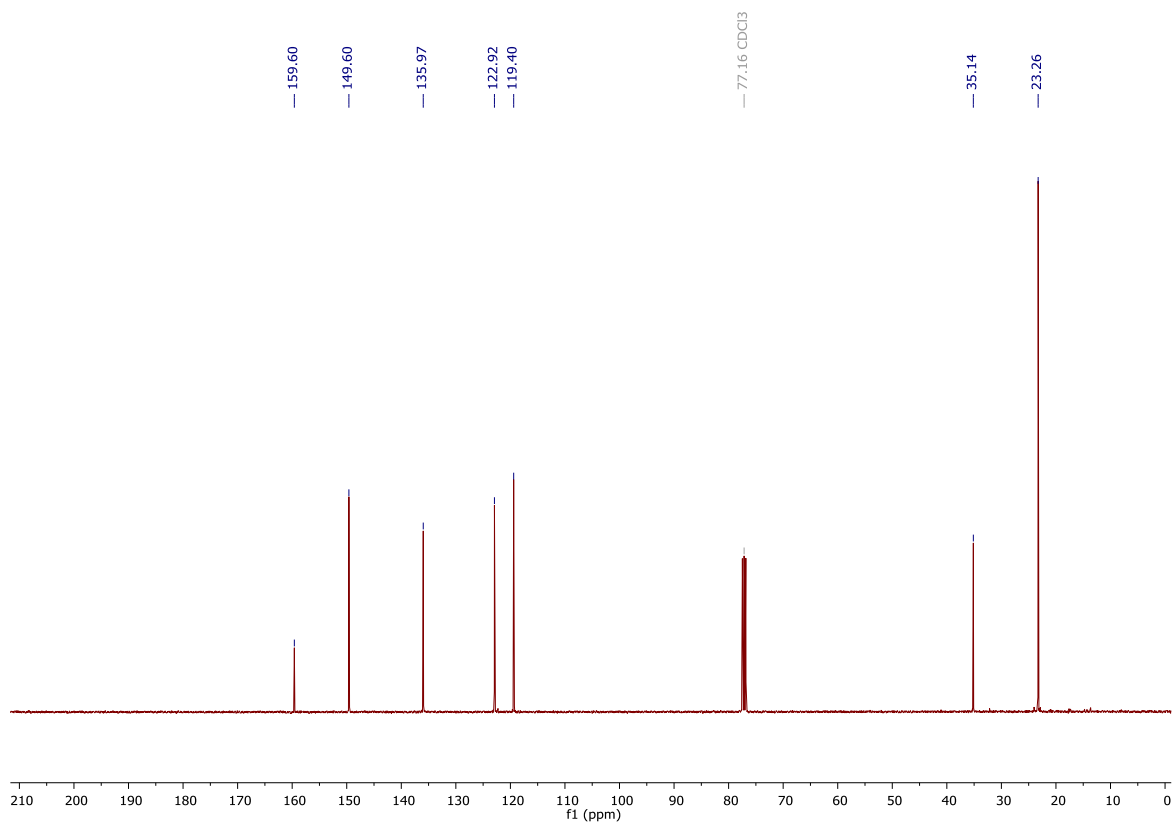
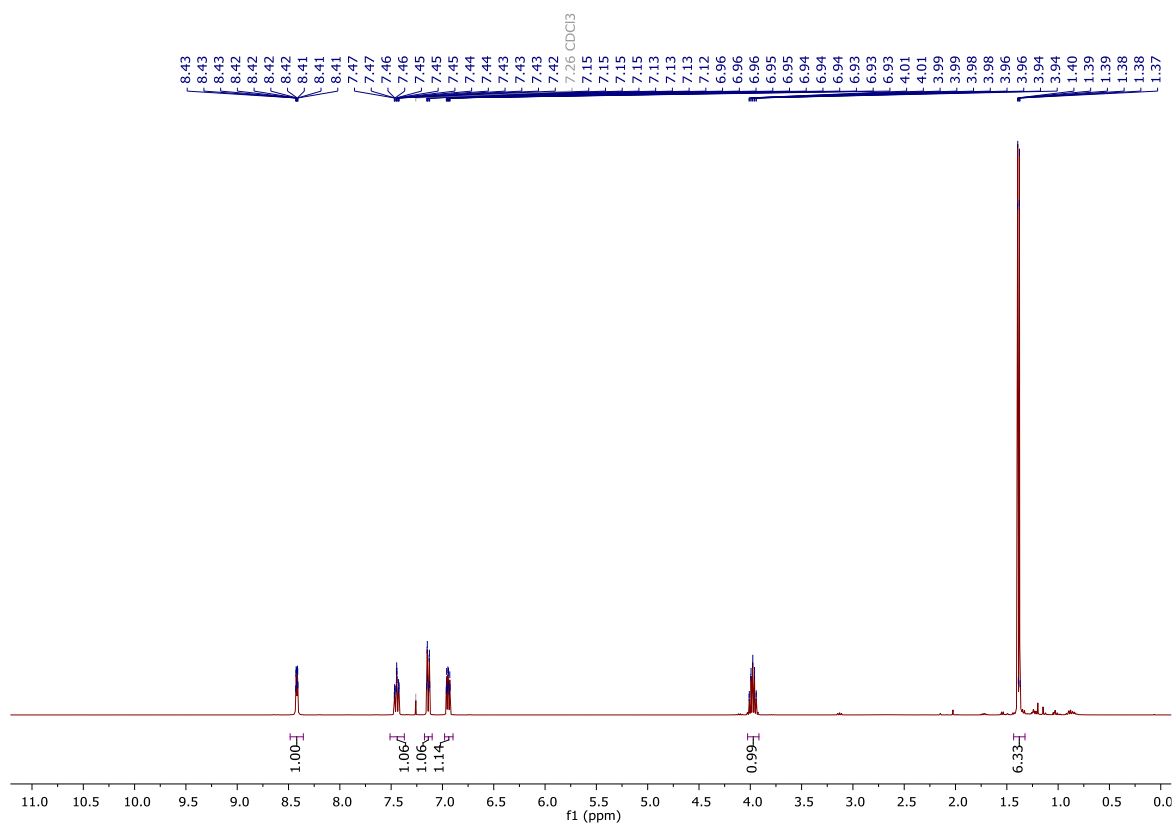
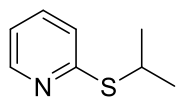
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Haus F, 81377 München, Germany\*

[Paul.Knochel@cup.uni-muenchen.de](mailto:Paul.Knochel@cup.uni-muenchen.de)

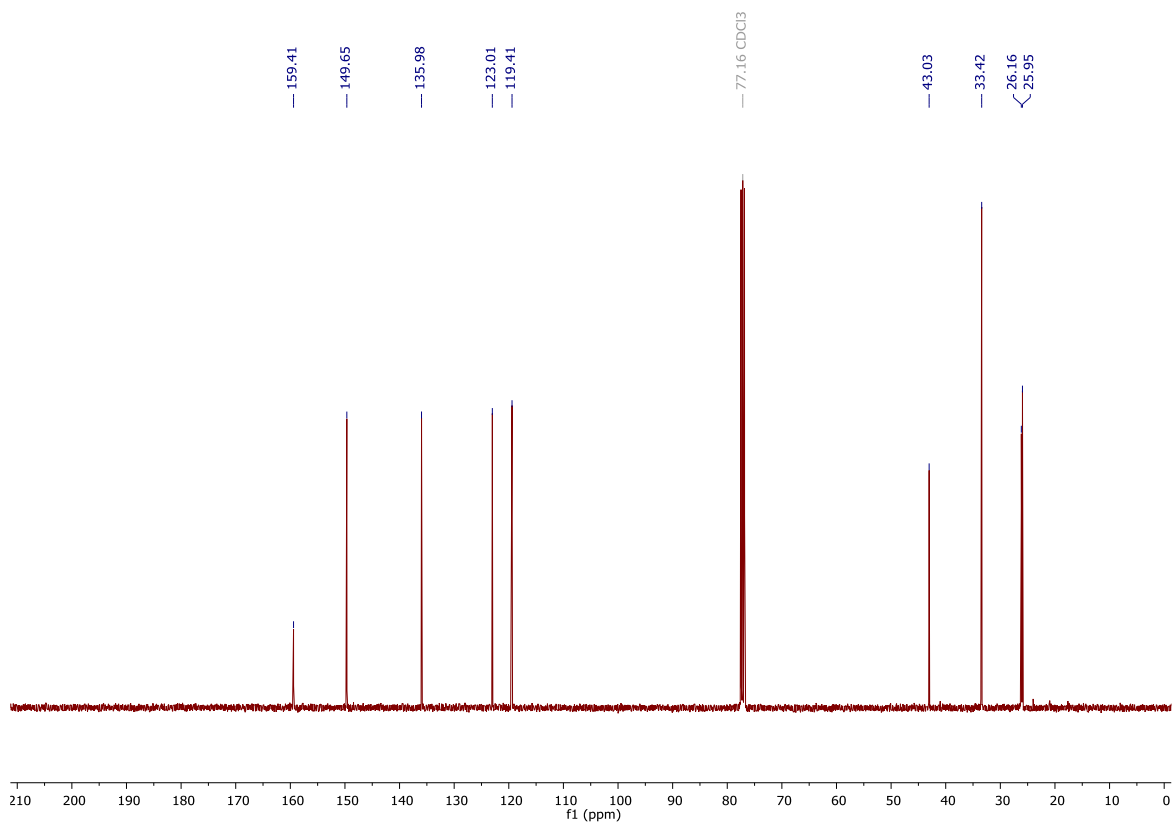
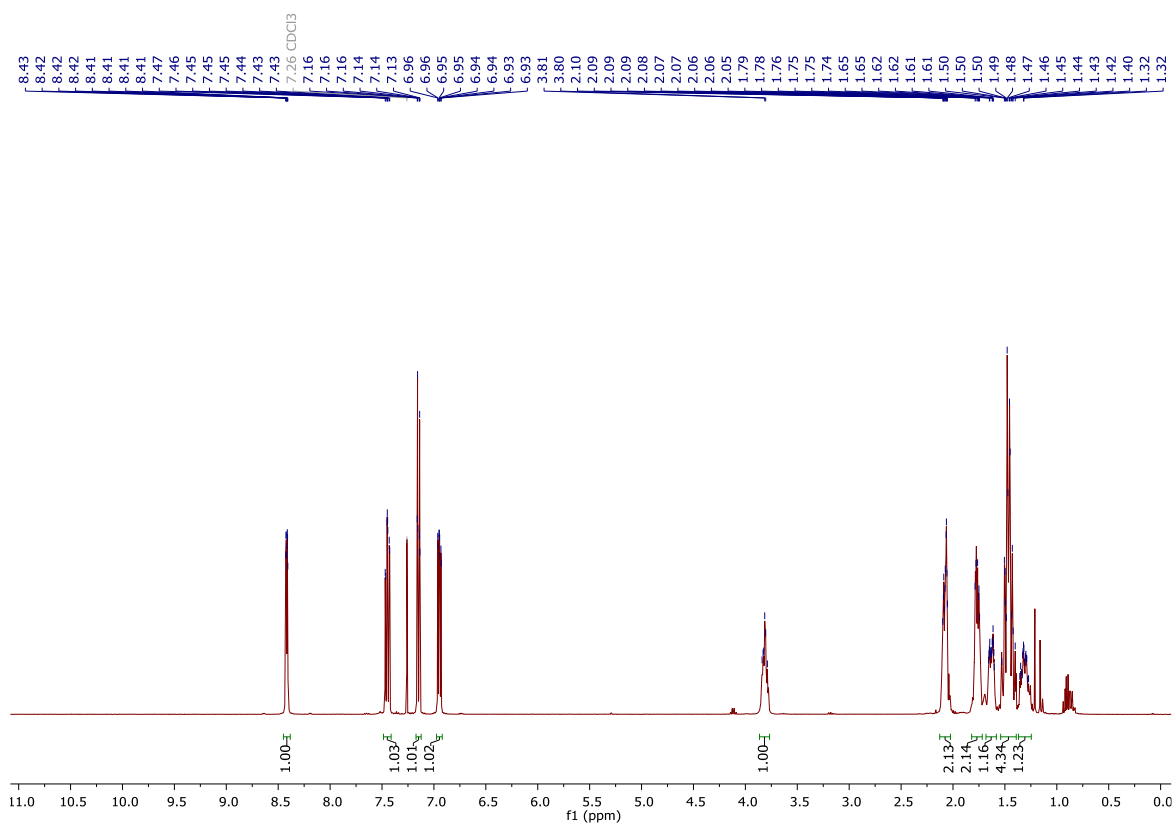
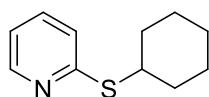
## **Supporting Information**

# 2-(Isopropylthio)pyridine (2a)

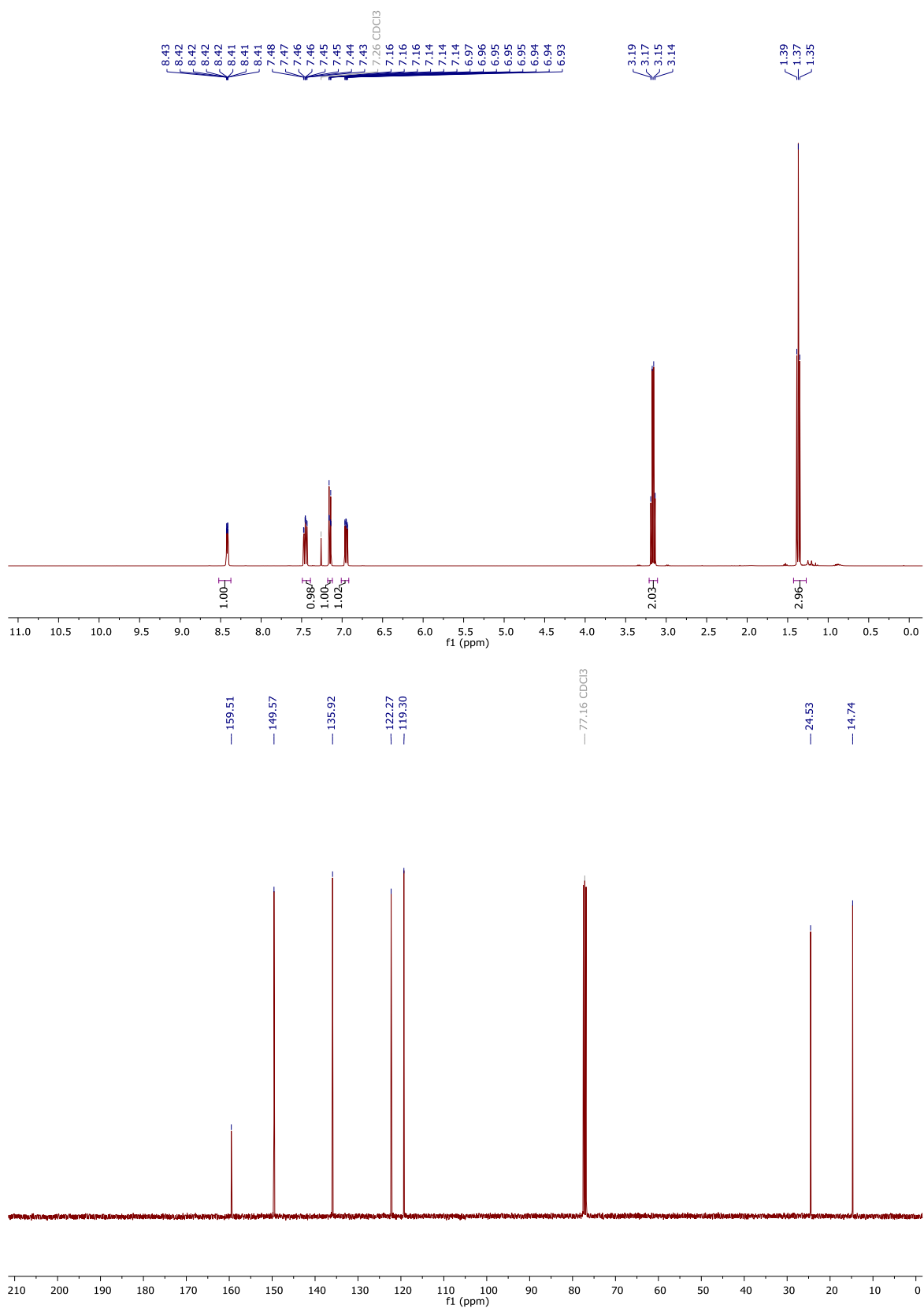
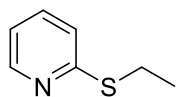




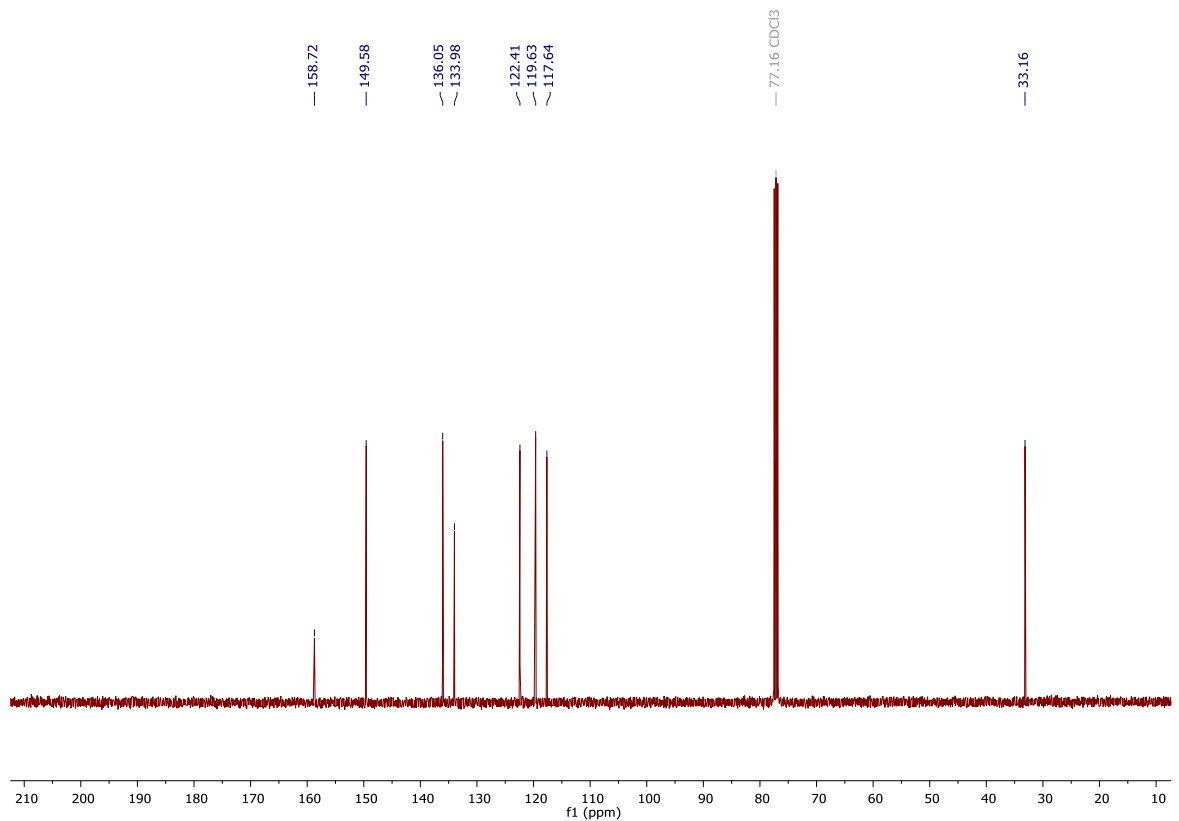
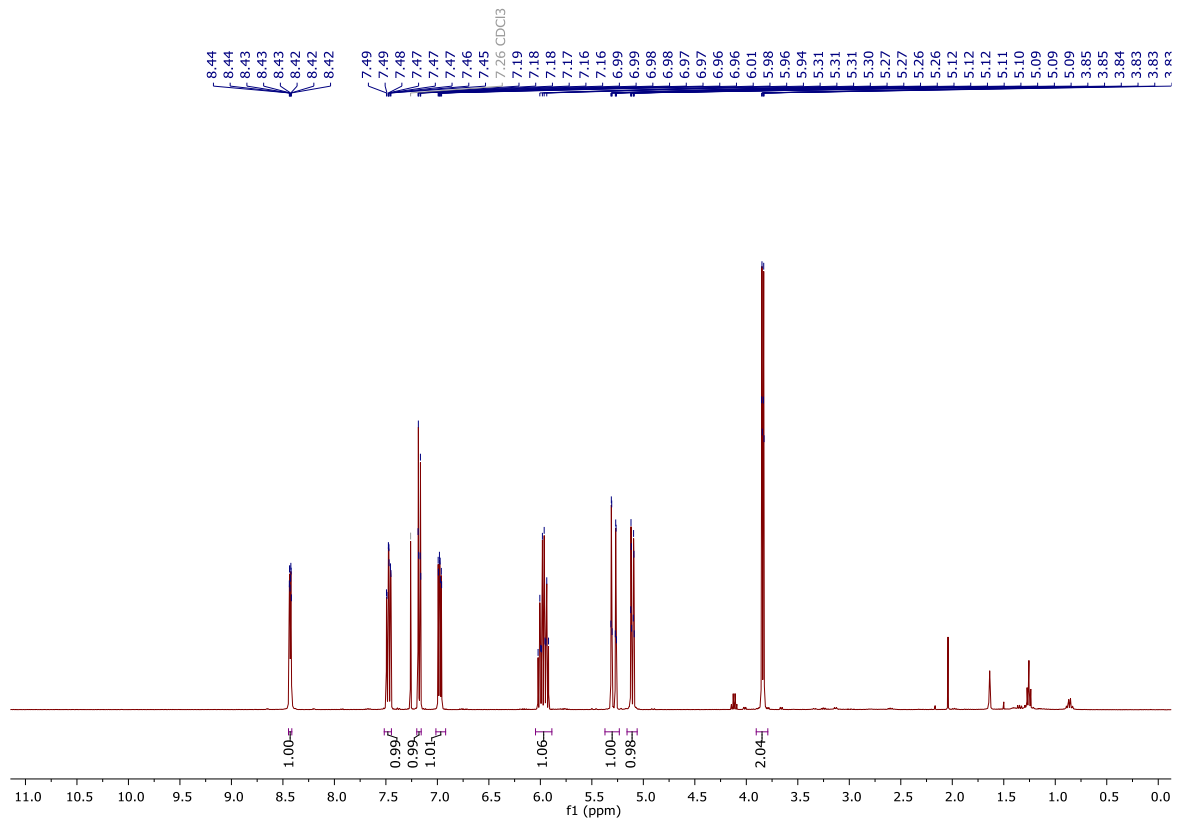
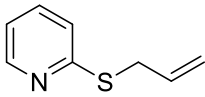
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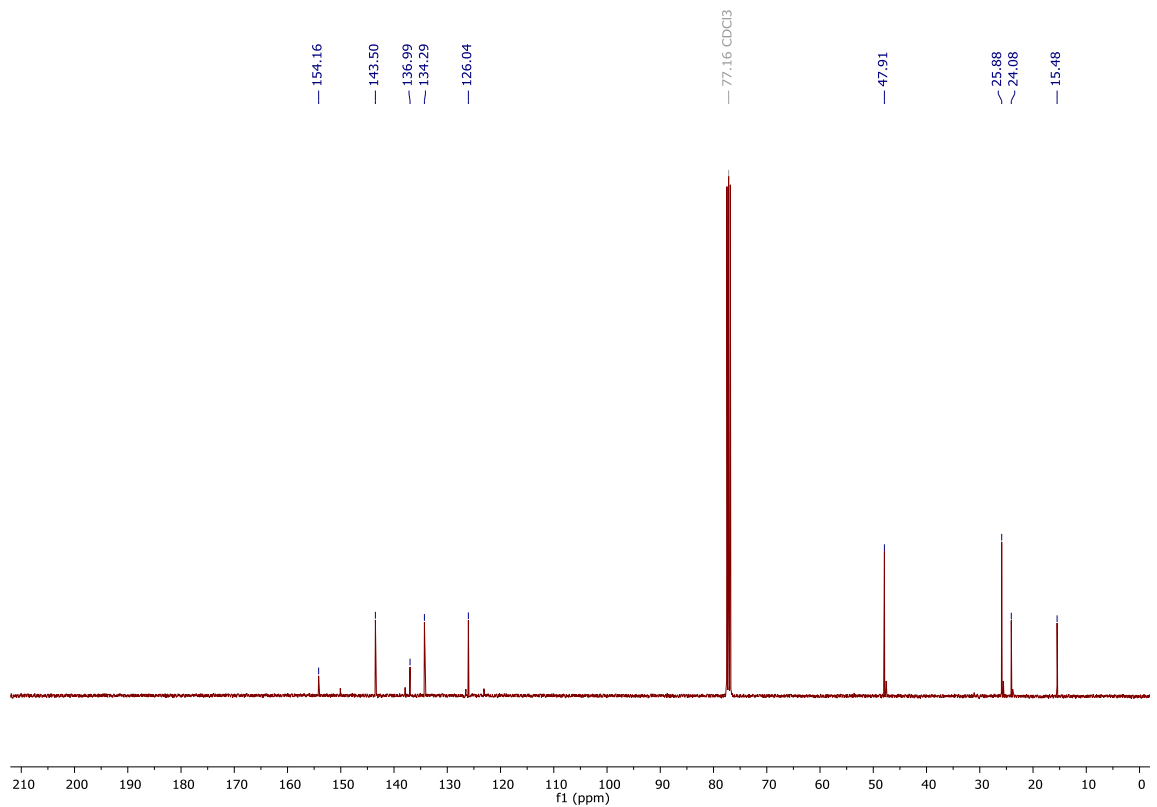
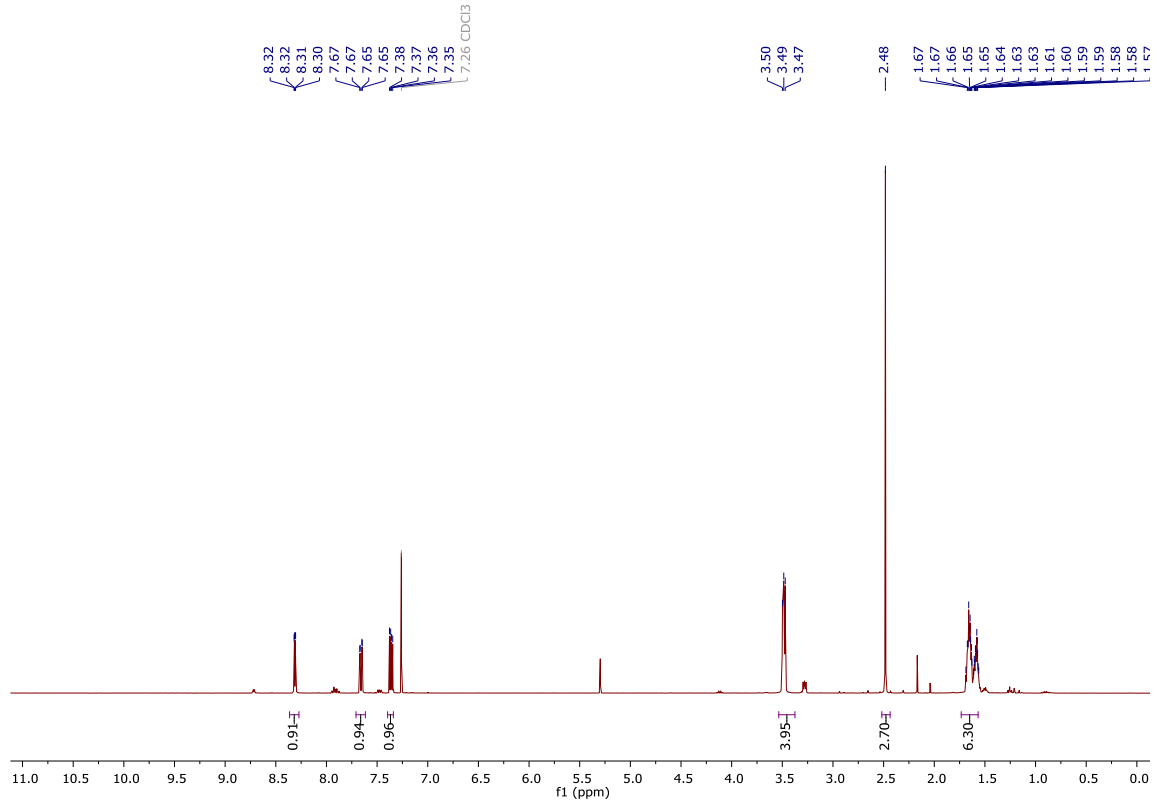
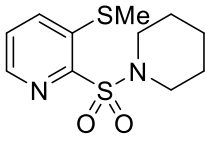
# 2-(Ethylthio)pyridine (2d)



# 2-(Allylthio)pyridine (2e)

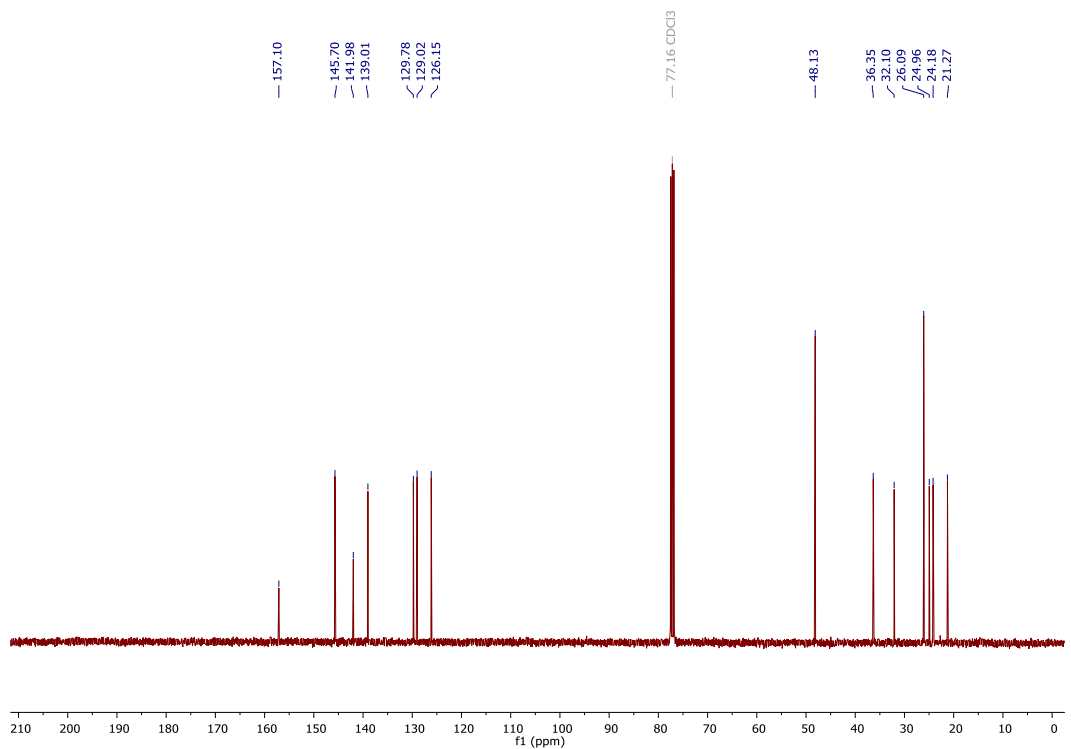
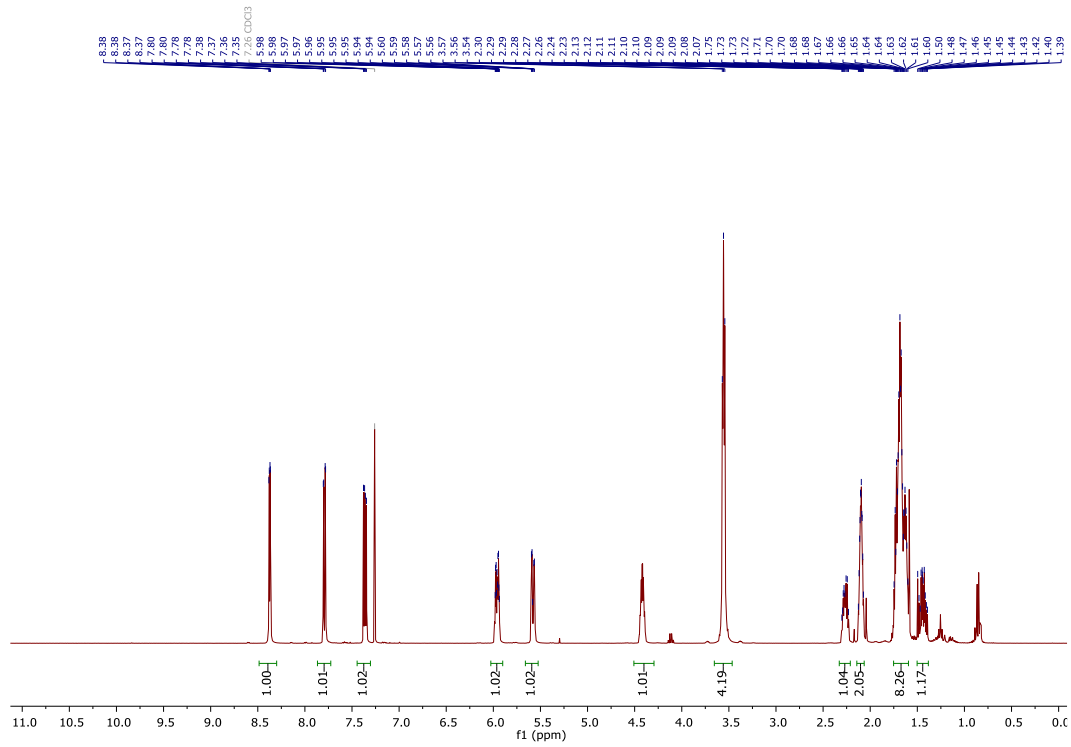
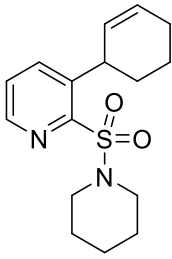


### 3-(Methylthio)-2-(piperidin-1-ylsulfonyl)pyridine (**4c**)

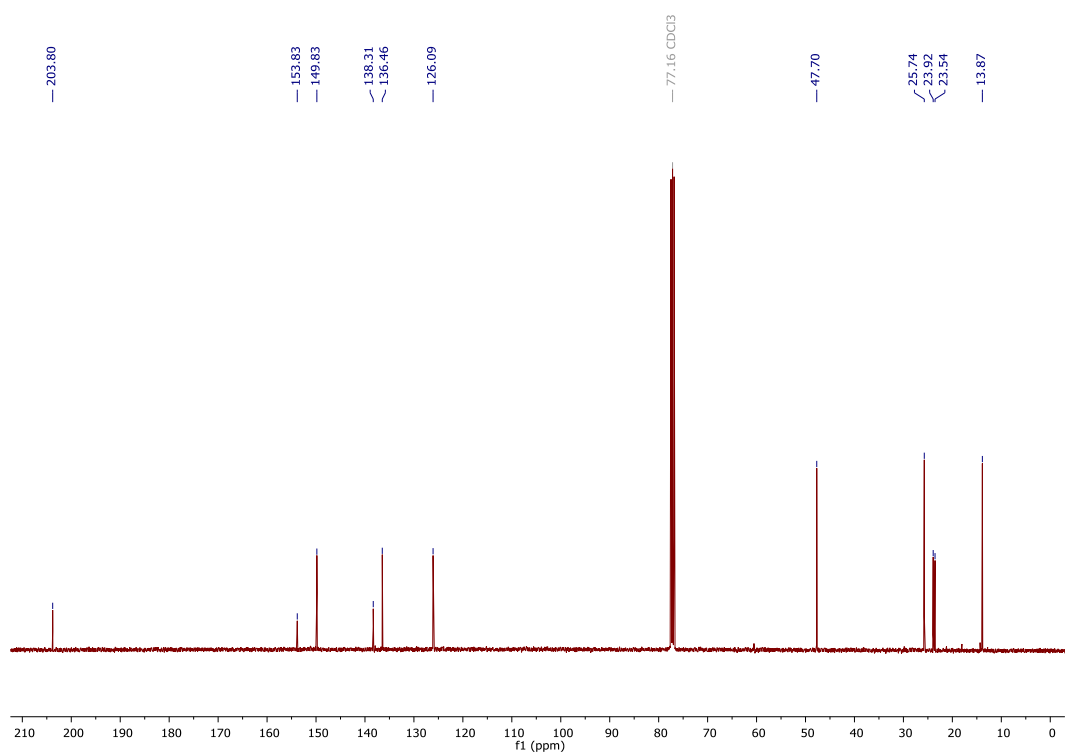
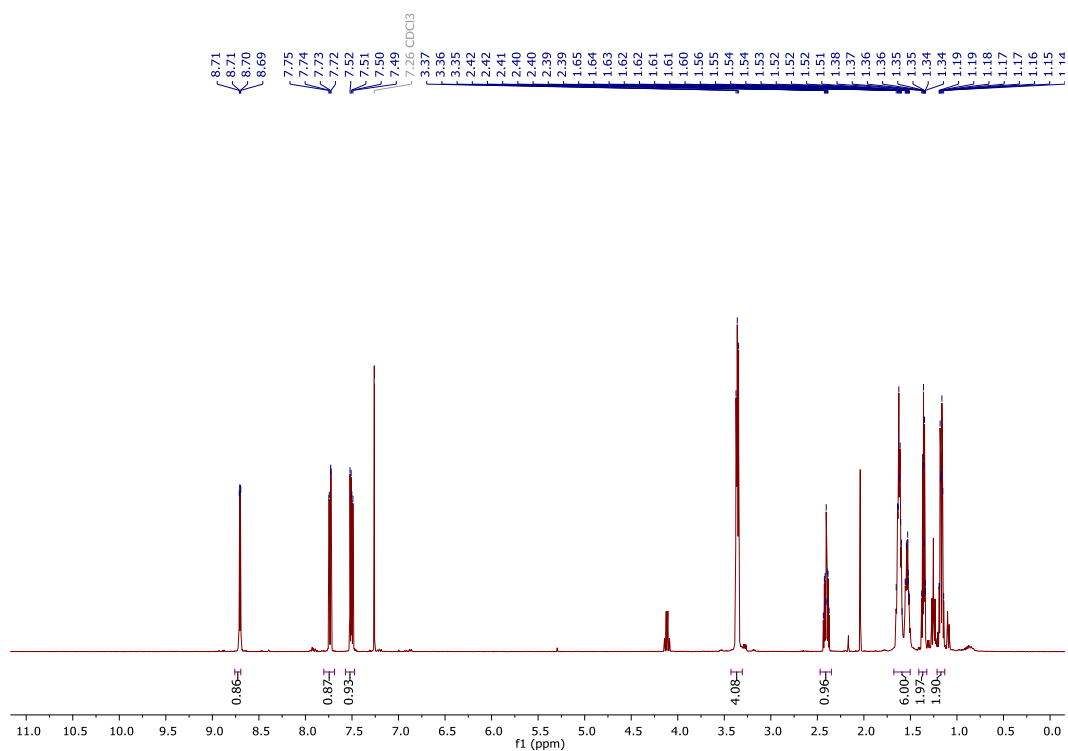
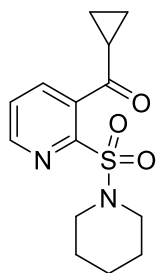




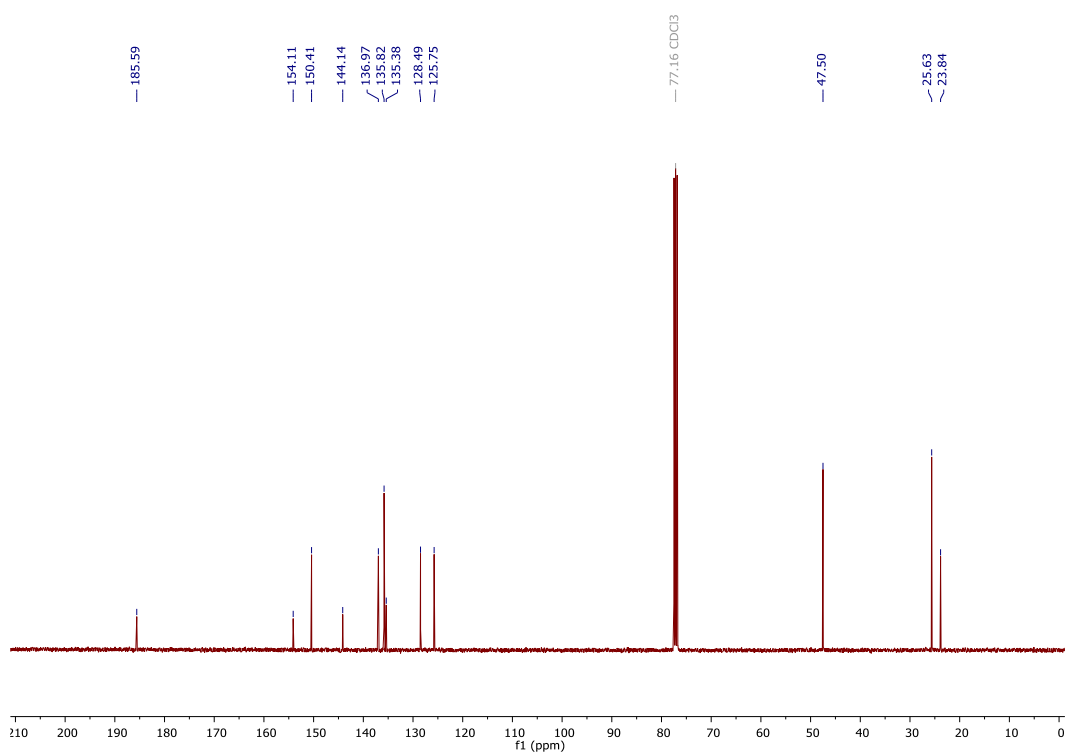
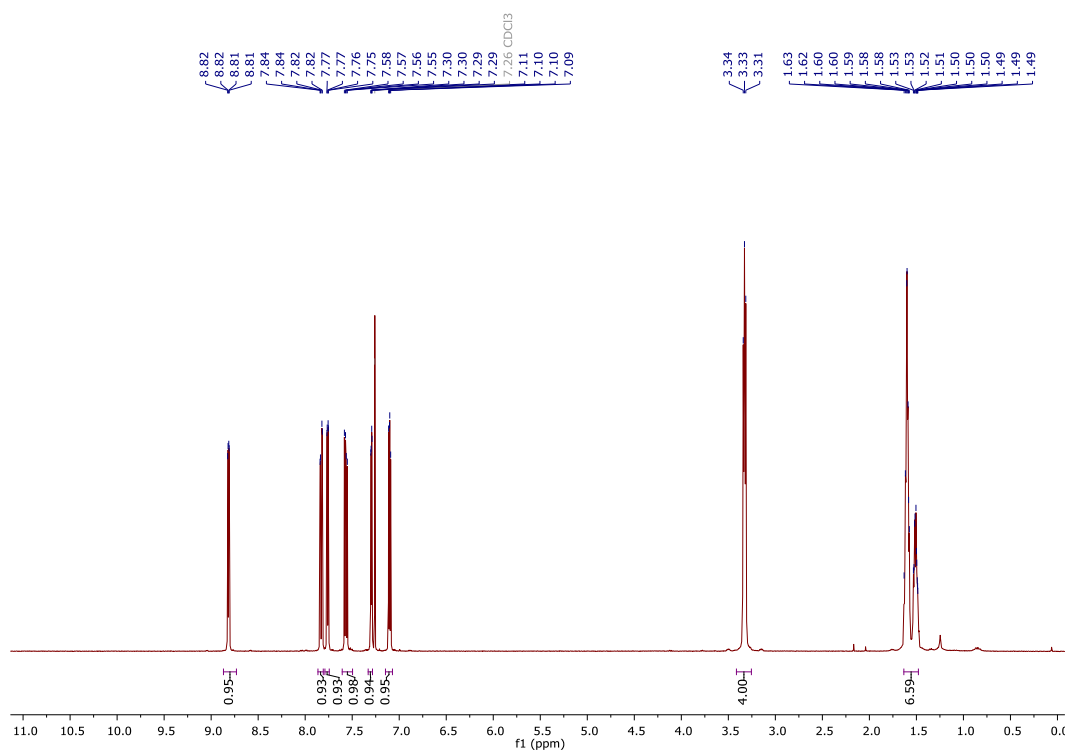
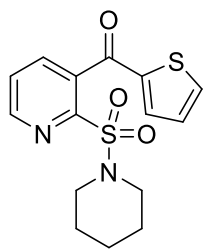
3-(Cyclohex-2-en-1-yl)-2-(piperidin-1-ylsulfonyl)pyridine (**4f**)



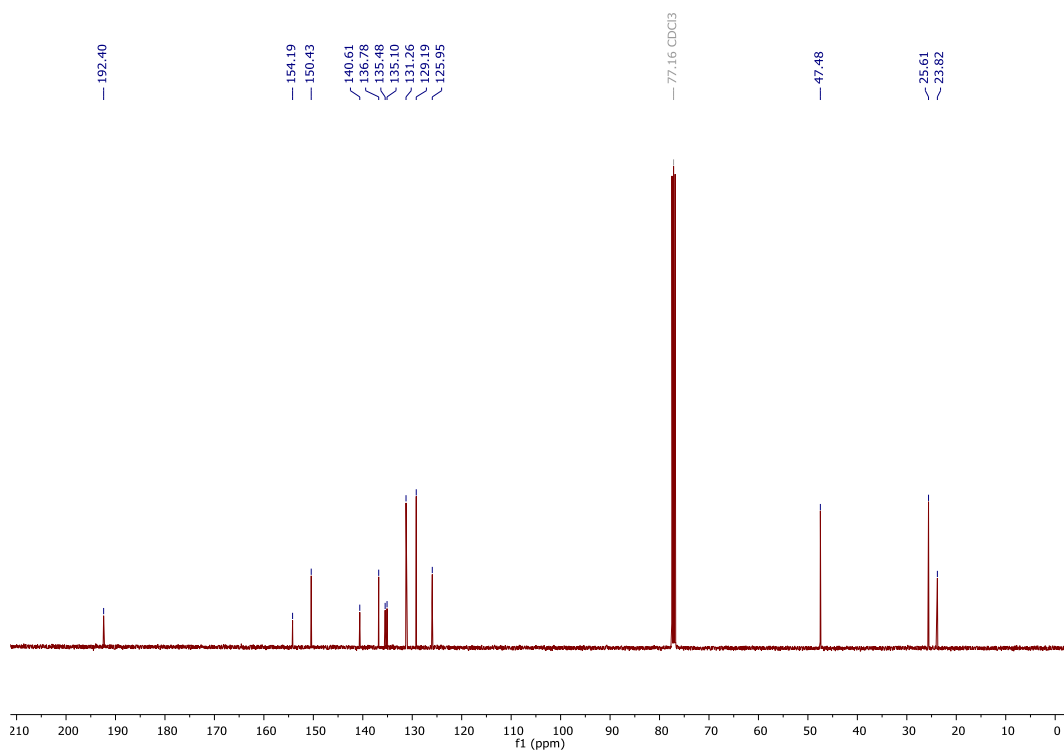
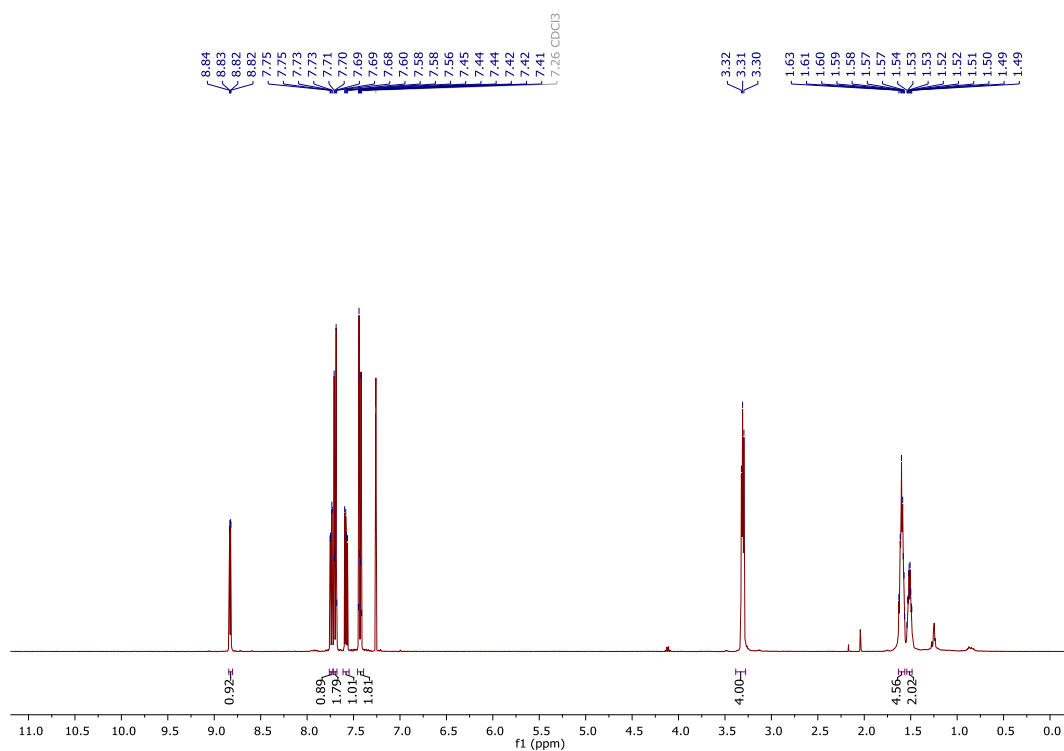
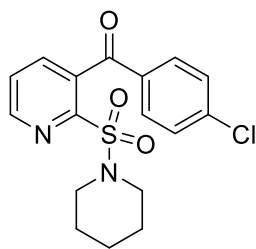
# Cyclopropyl(2-(piperidin-1-ylsulfonyl)pyridin-3-yl)methanone (4g)



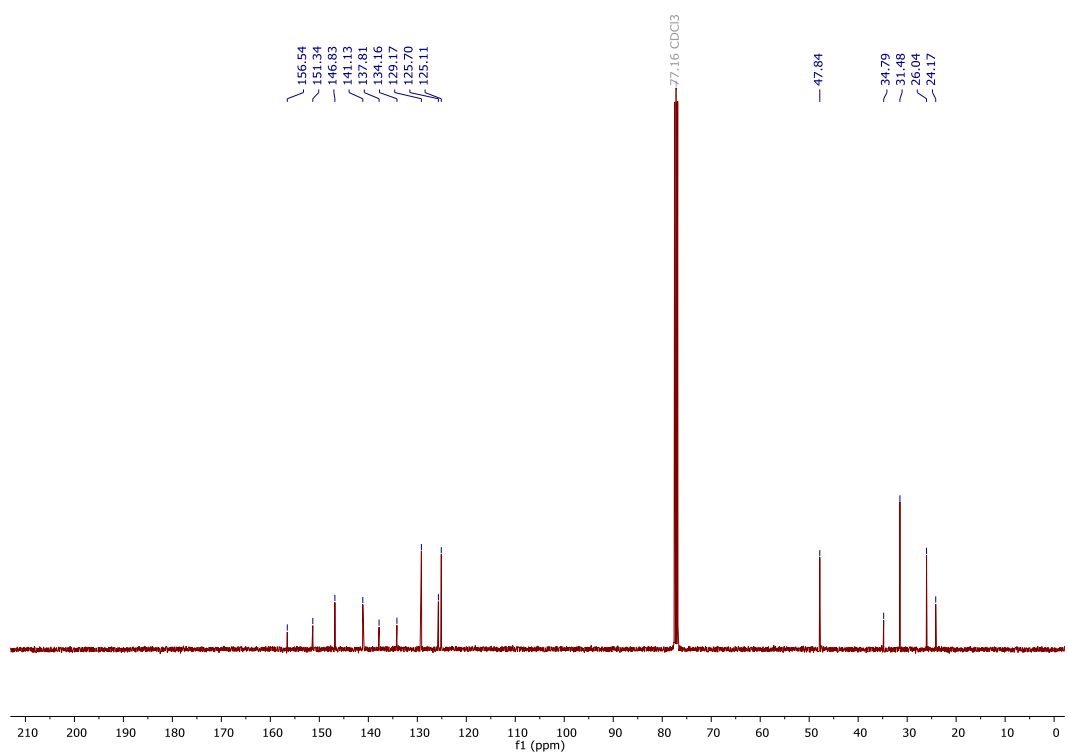
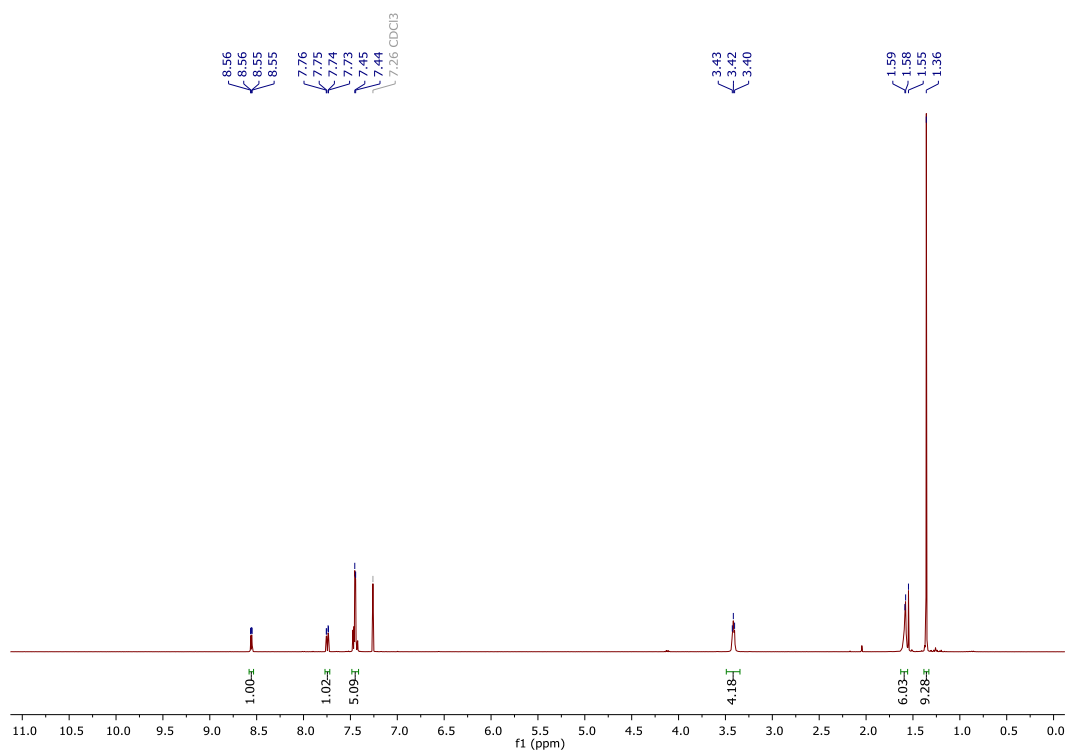
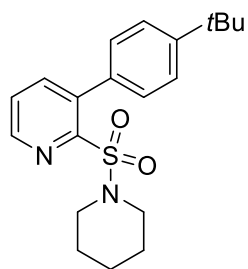
(2-(Piperidin-1-ylsulfonyl)pyridin-3-yl)(thiophen-2-yl)methanone (**4h**)



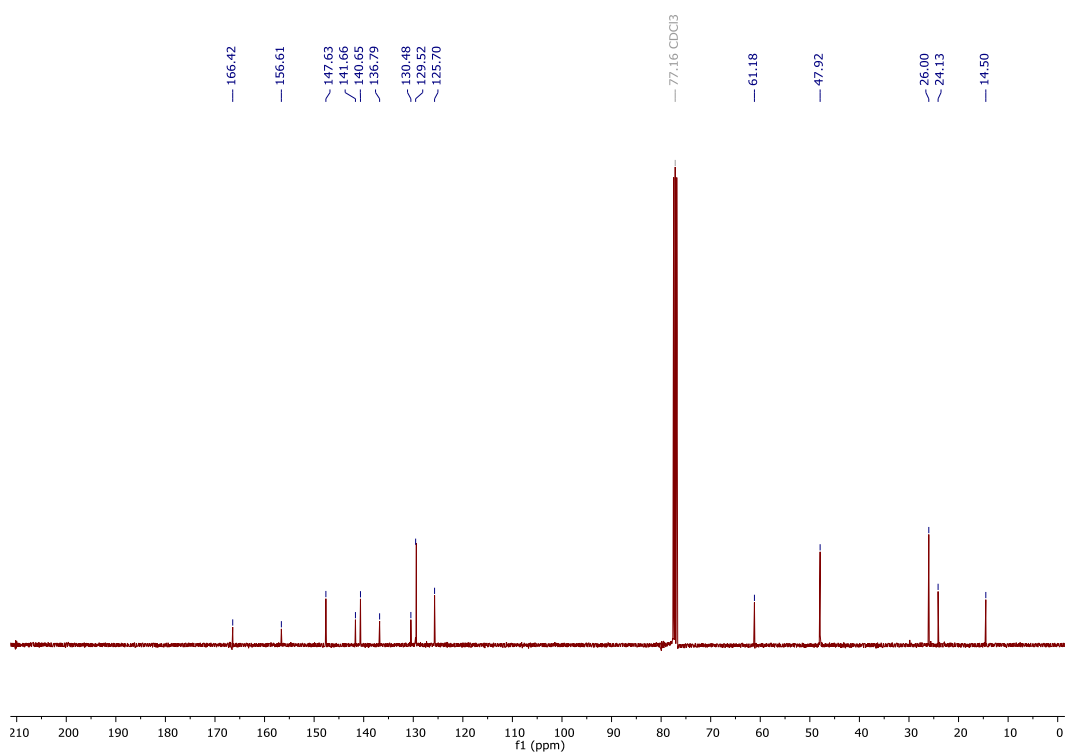
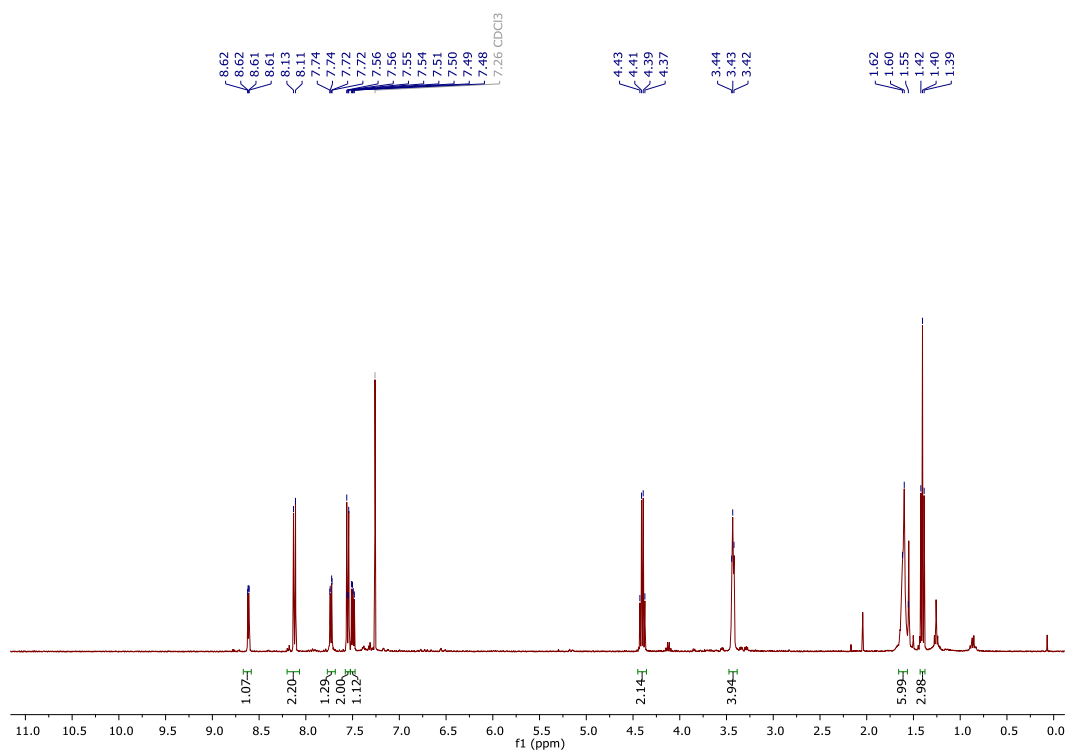
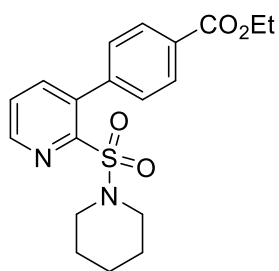
(4-Chlorophenyl)(2-(piperidin-1-ylsulfonyl)pyridin-3-yl)methanone (**4i**)



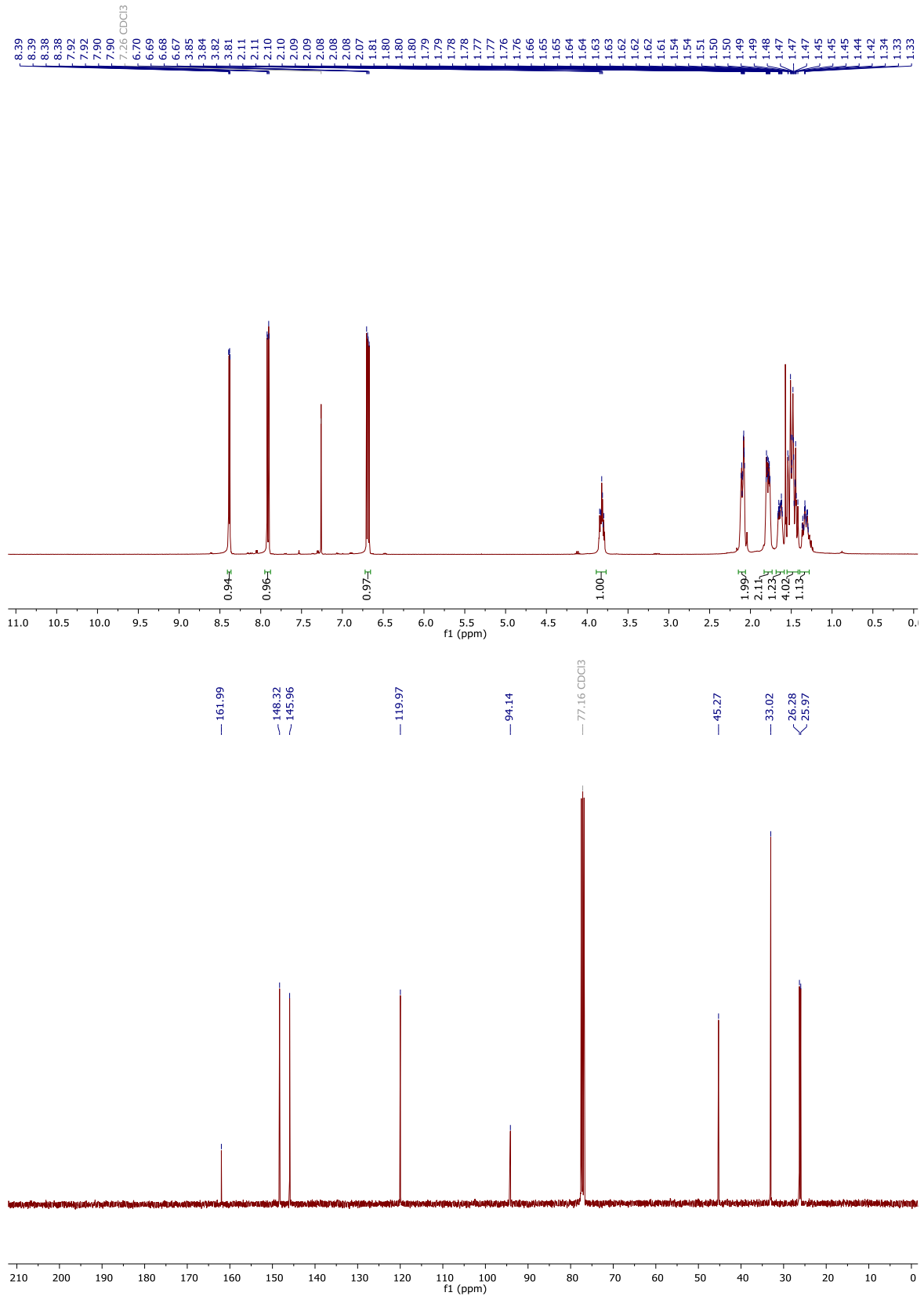
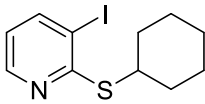
3-(4-(Tert-butyl)phenyl)-2-(piperidin-1-ylsulfonyl)pyridine (**4j**)



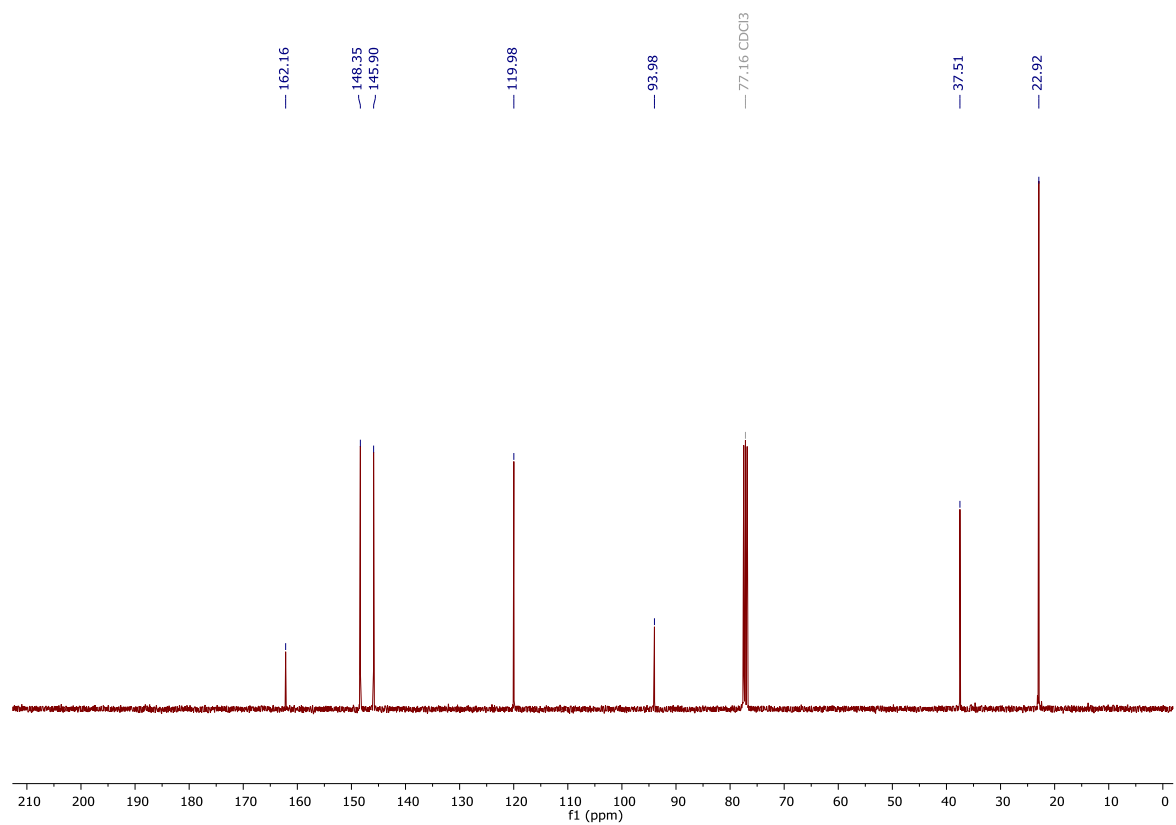
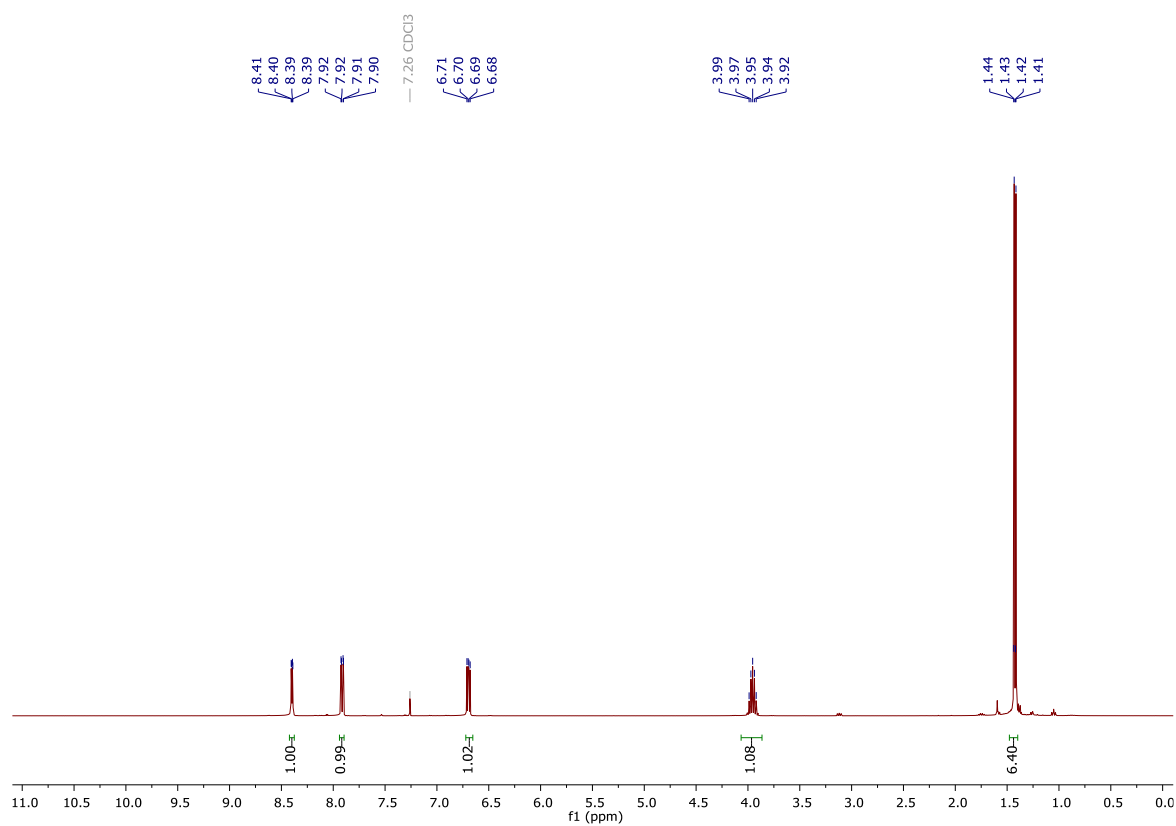
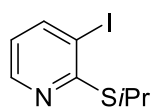
Ethyl 4-(2-(piperidin-1-ylsulfonyl)pyridin-3-yl)benzoate (**4k**)



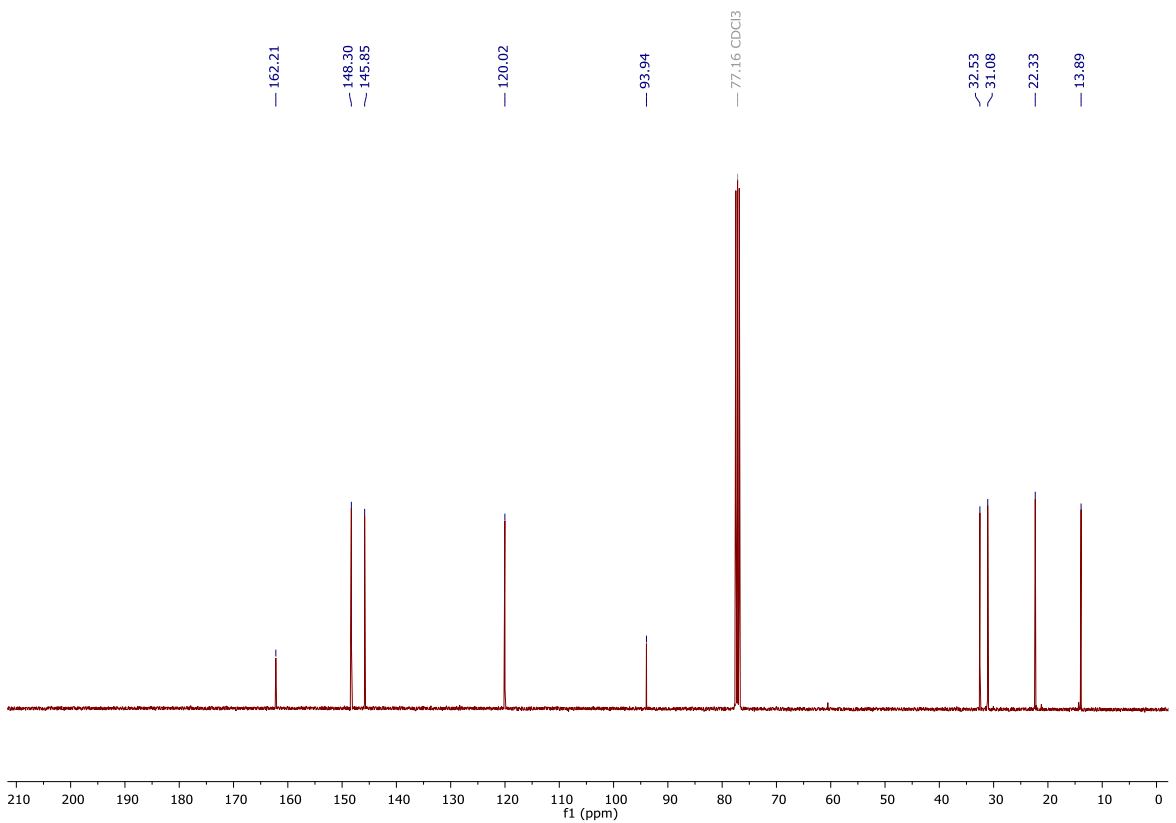
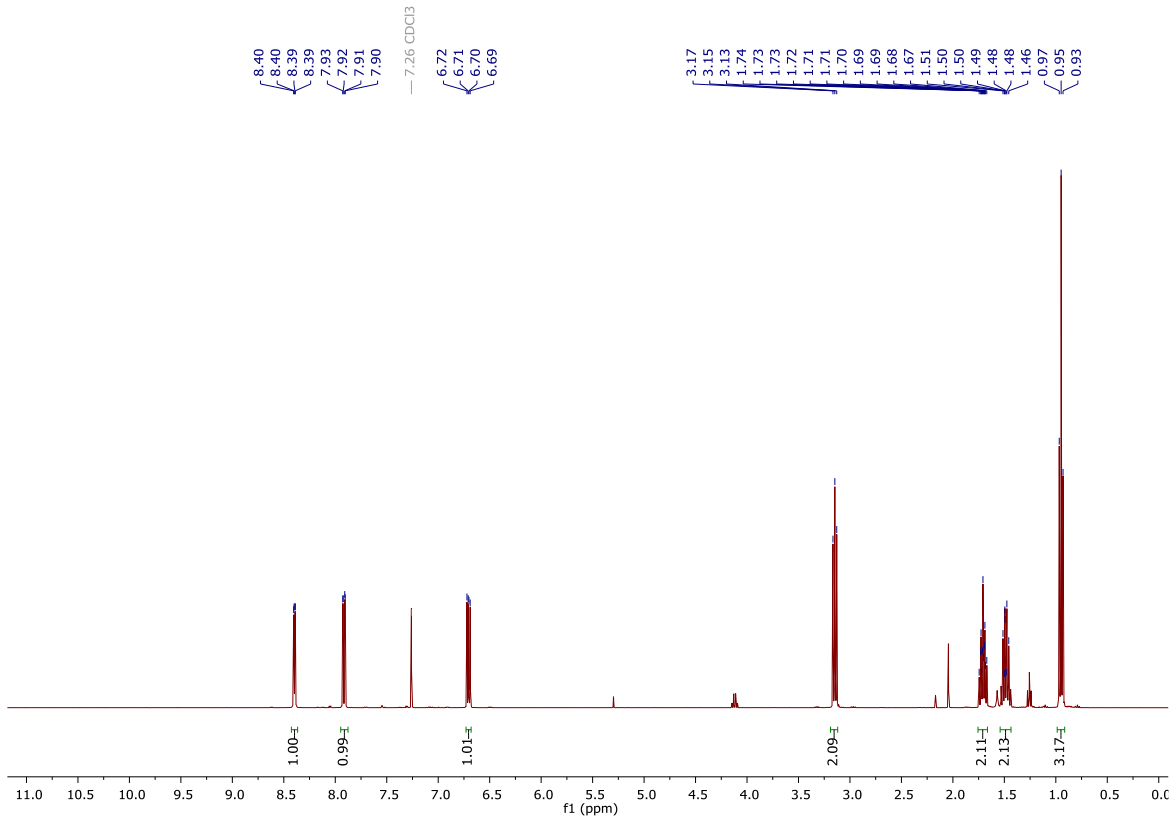
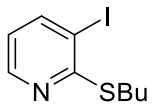
# 2-(Cyclohexylthio)-3-iodopyridine (5a)



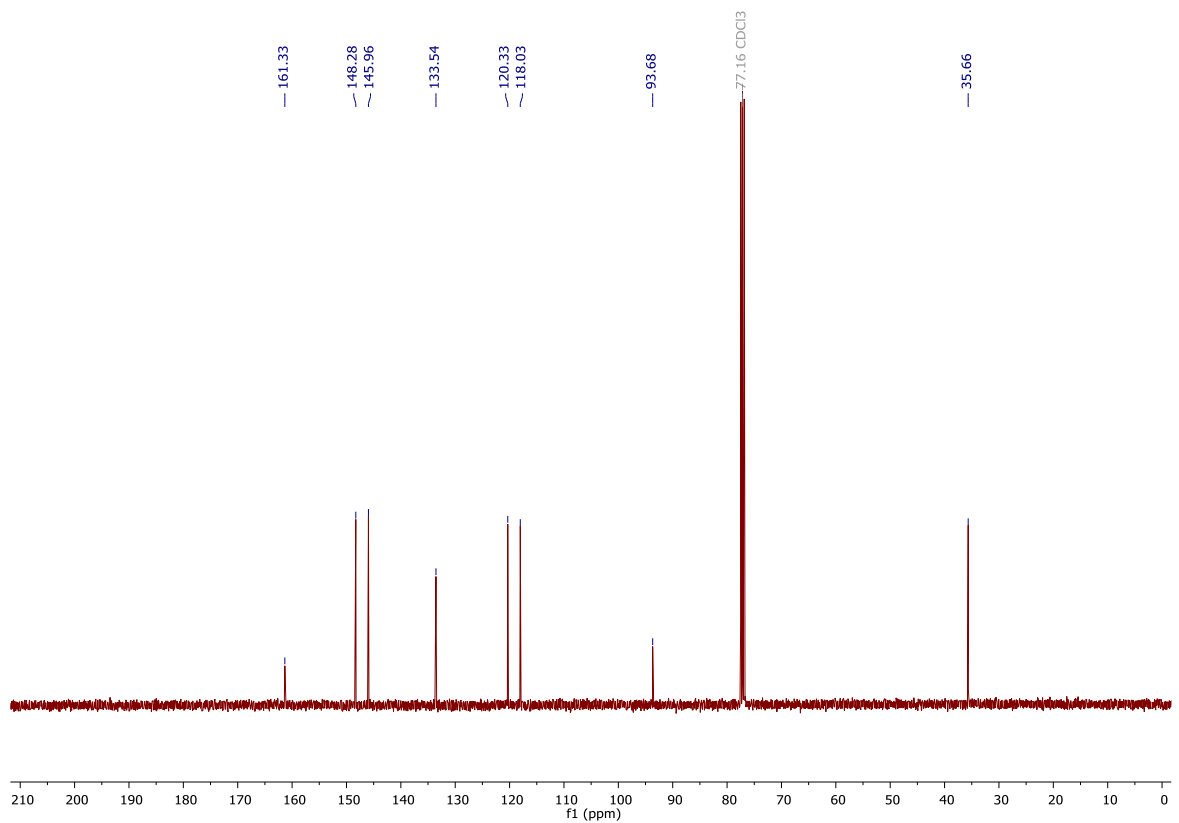
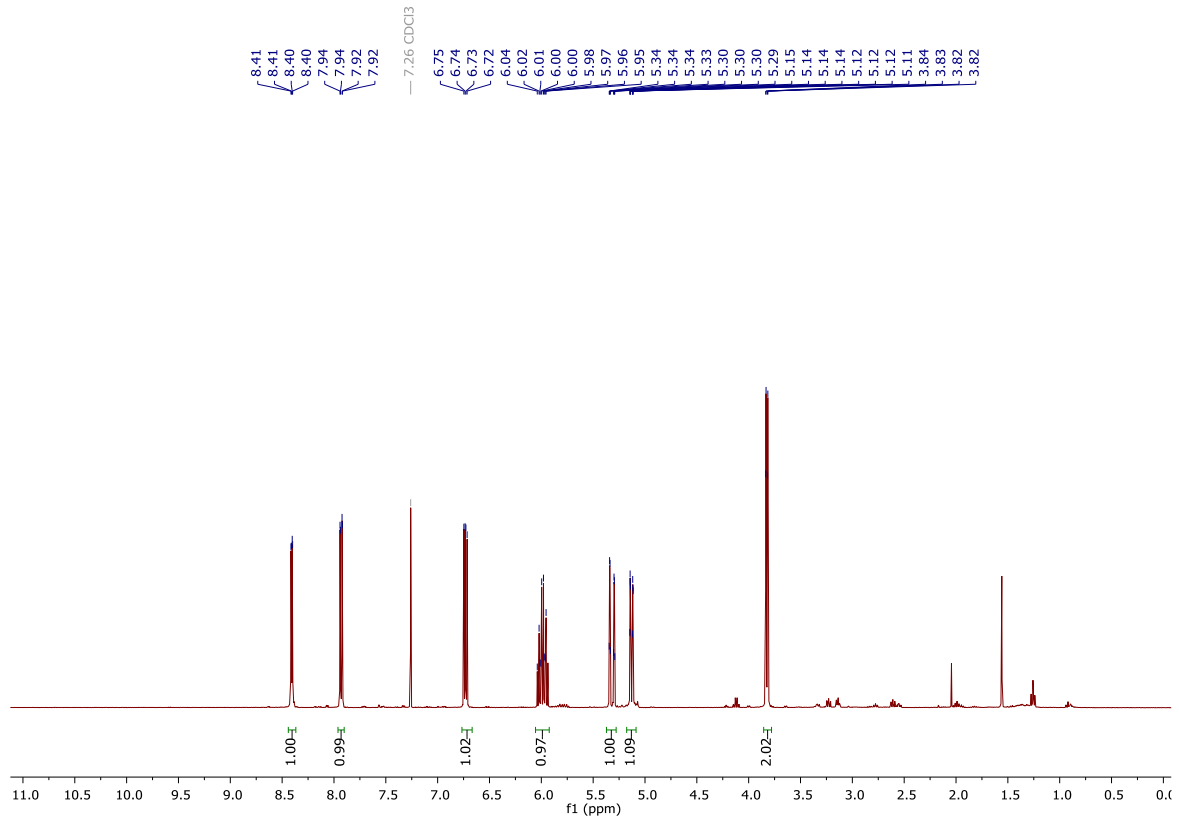
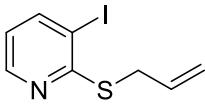
### 3-Iodo-2-(isopropylthio)pyridine (**5b**)



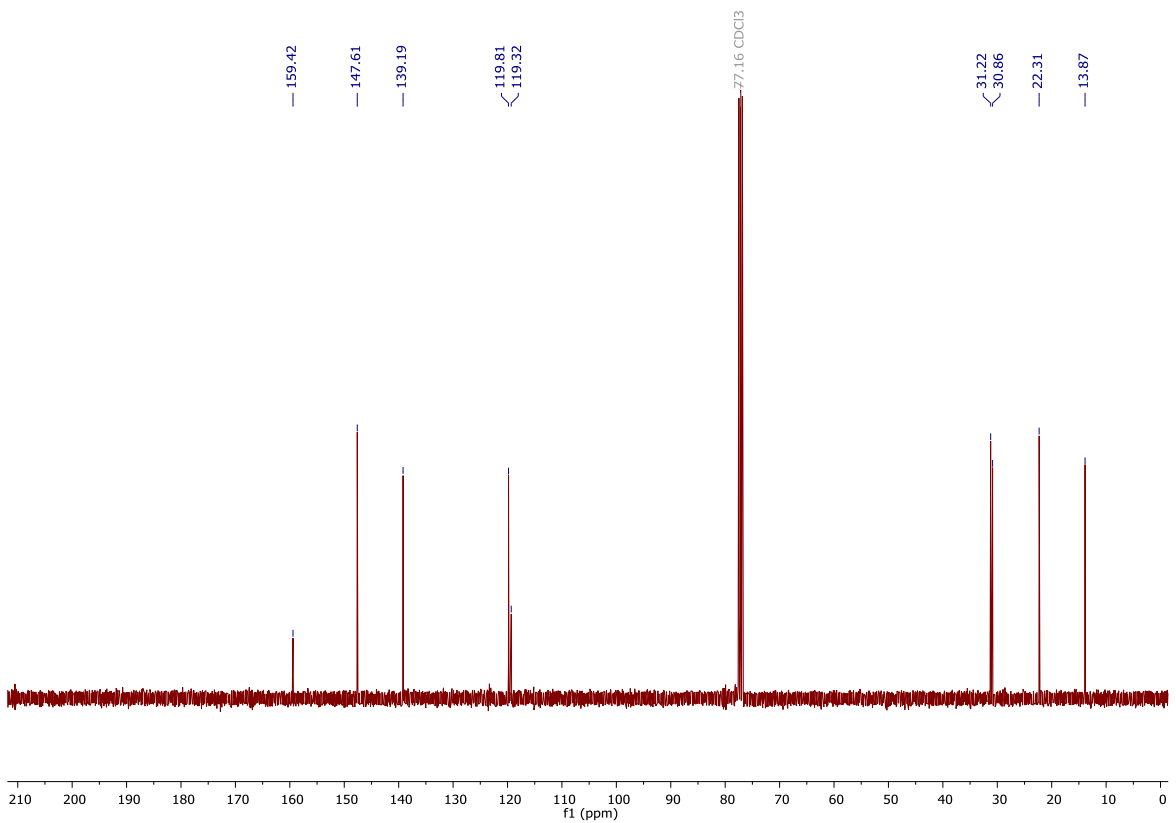
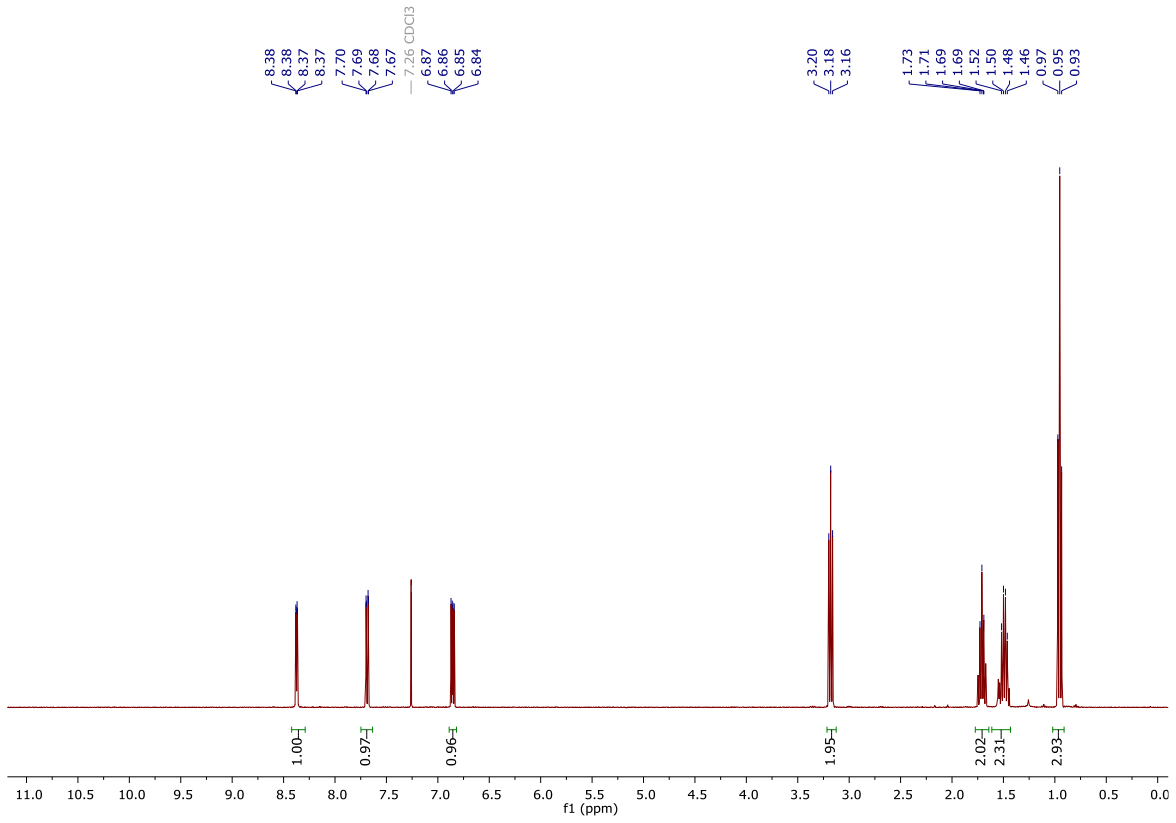
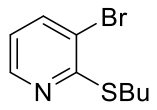
# 2-(Butylthio)-3-iodopyridine (5c)



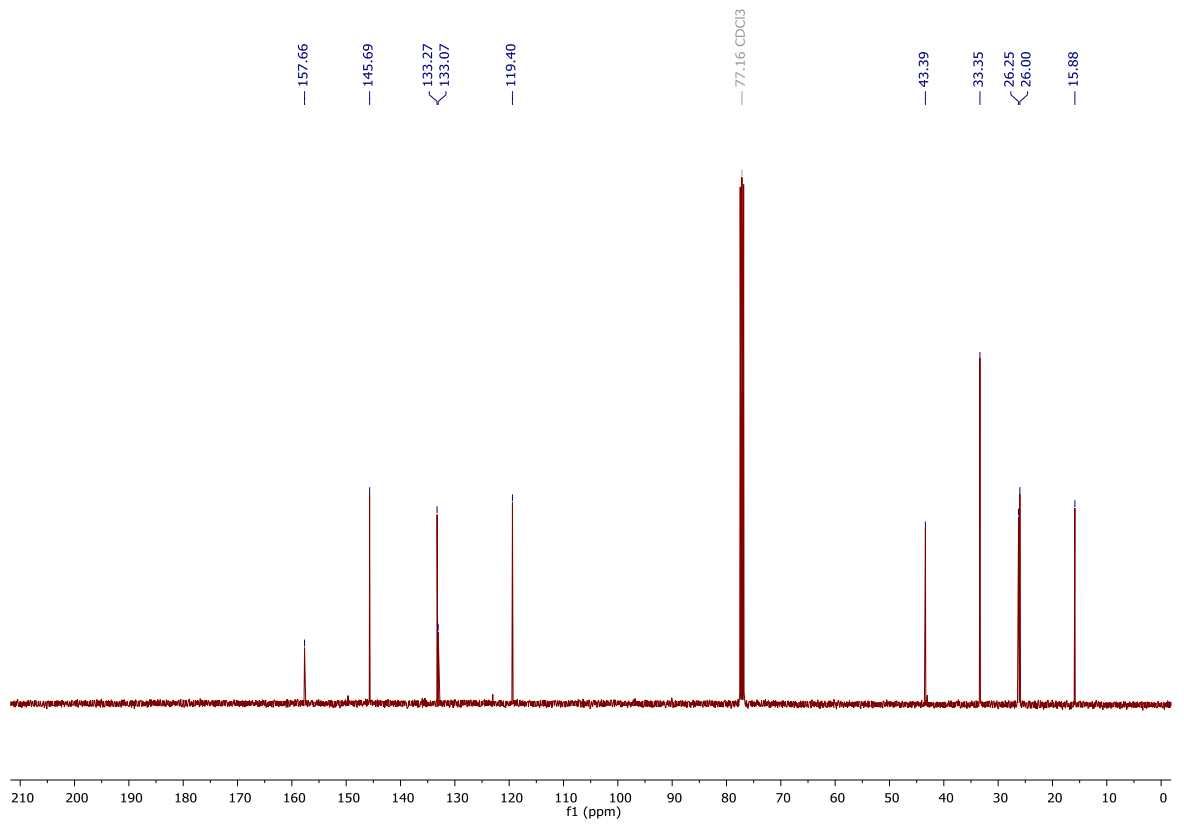
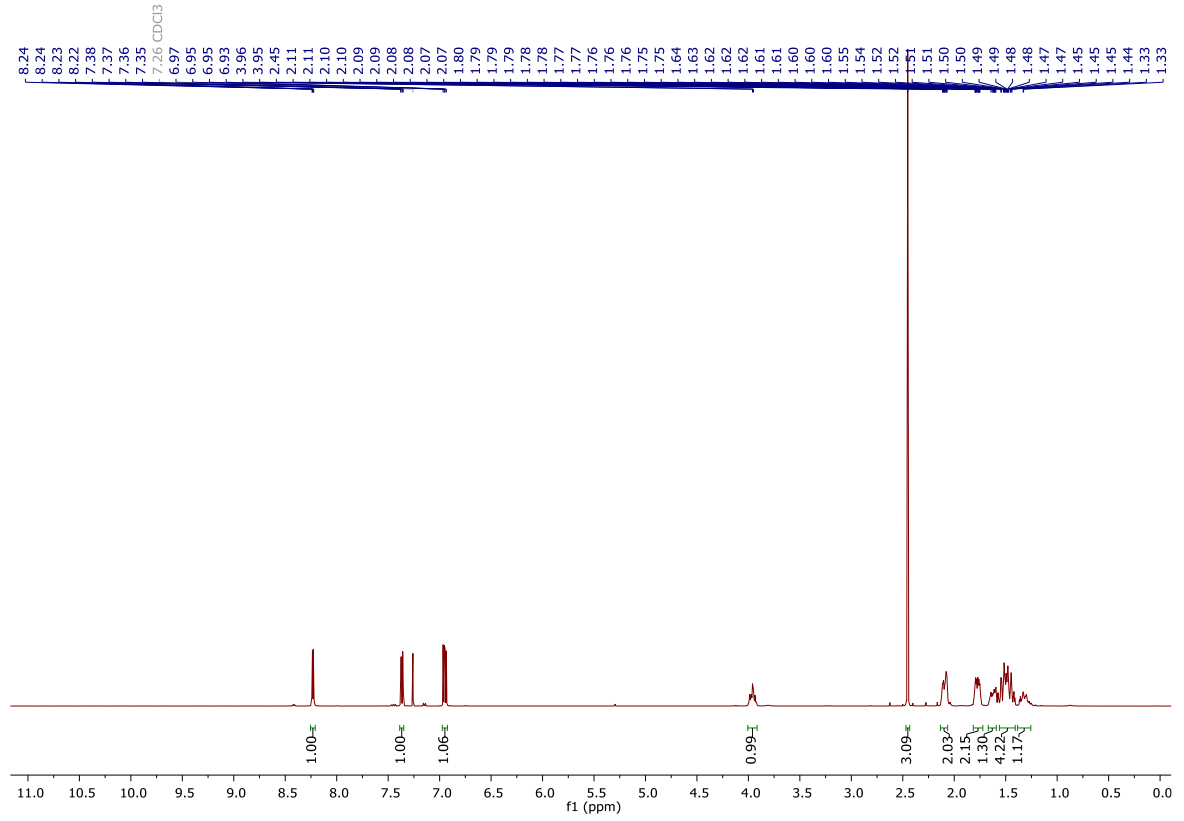
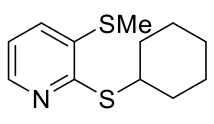
# 2-(Allylthio)-3-iodopyridine (5d)



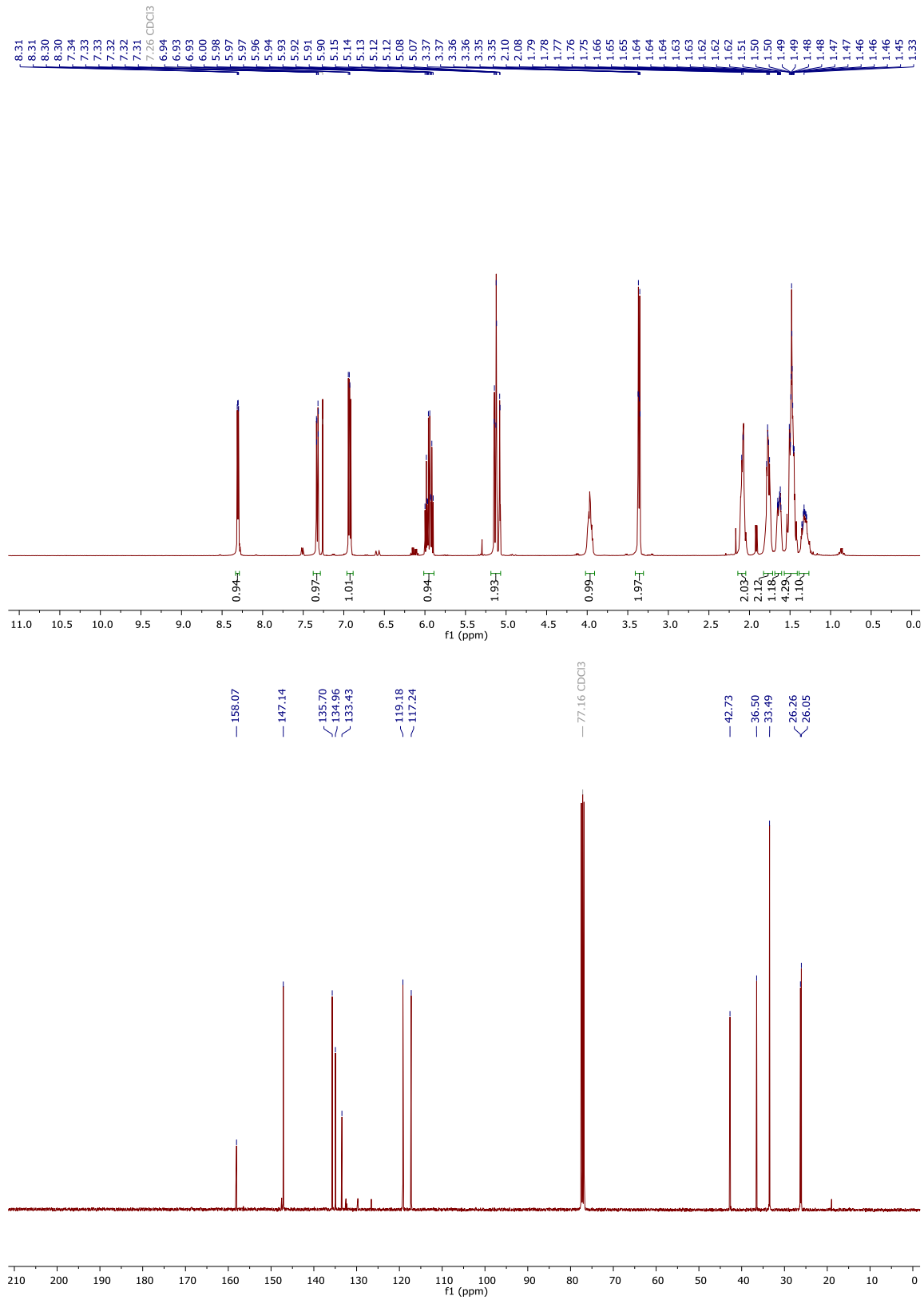
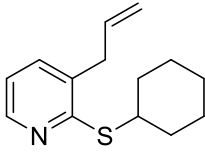
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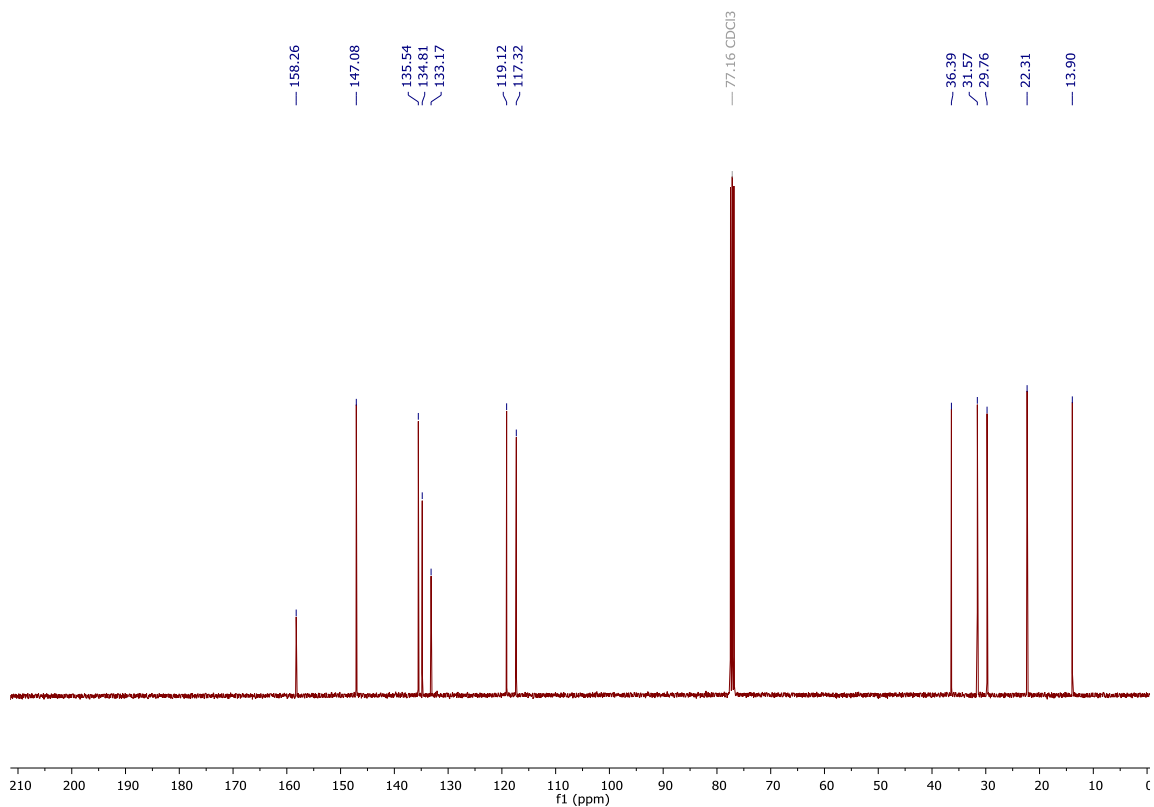
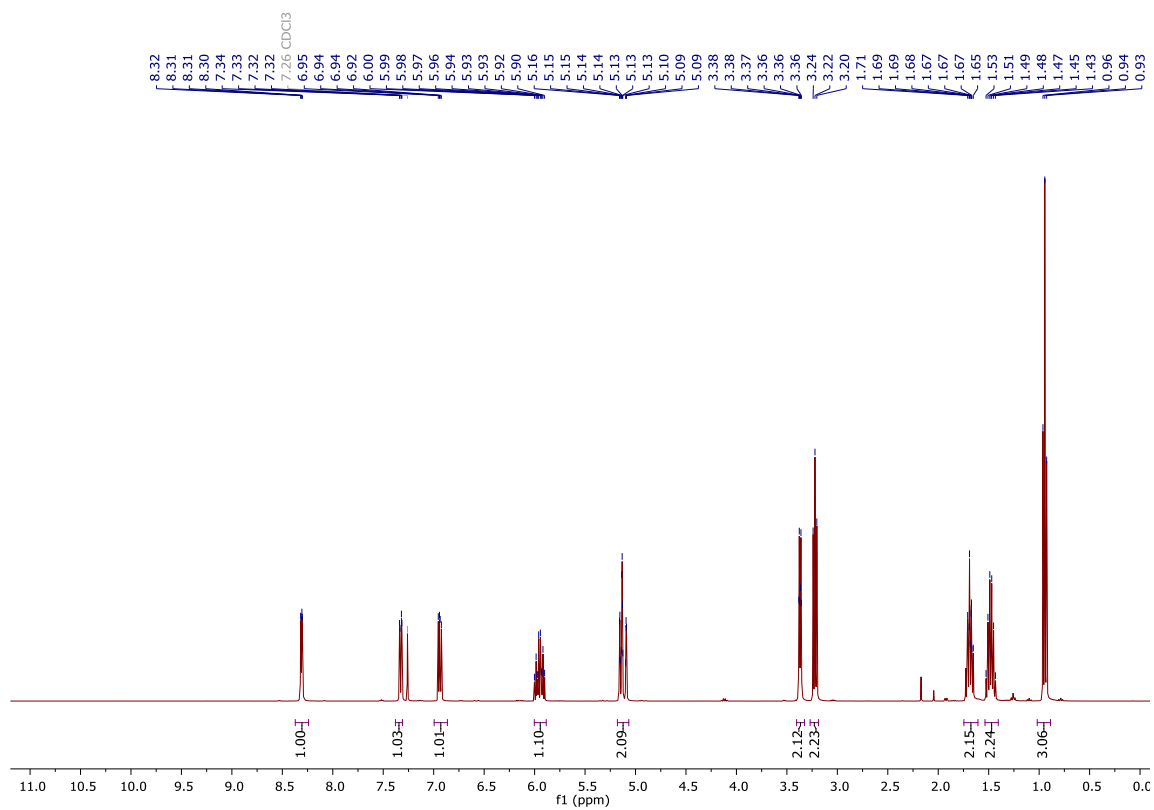
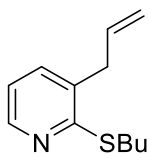
2-(Cyclohexylthio)-3-(methylthio)pyridine (5f)



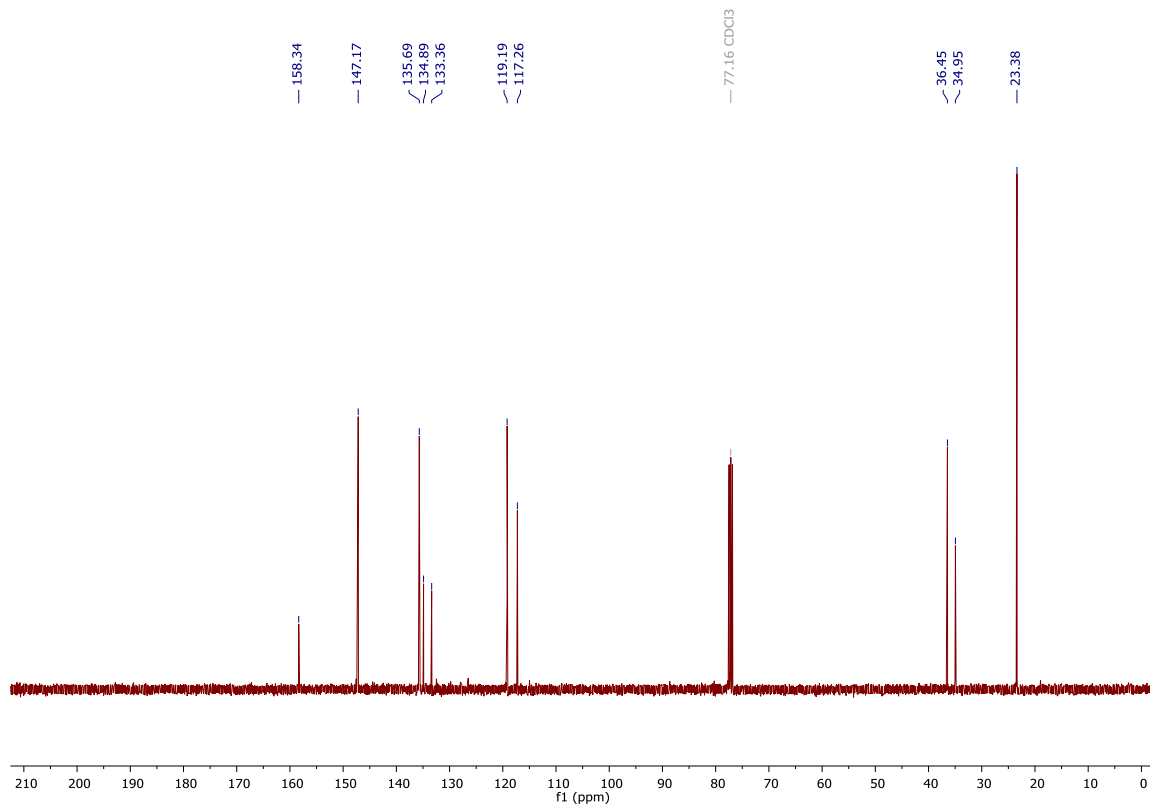
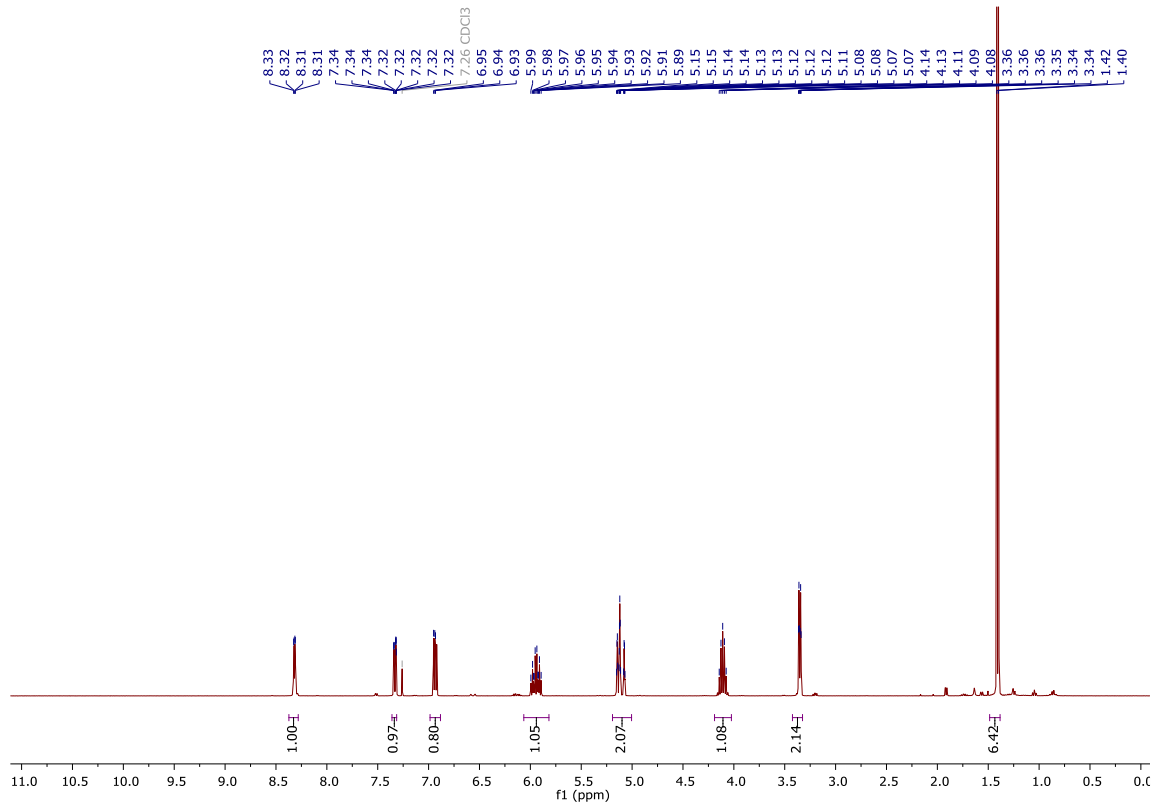
### 3-Allyl-2-(cyclohexylthio)pyridine (5g)



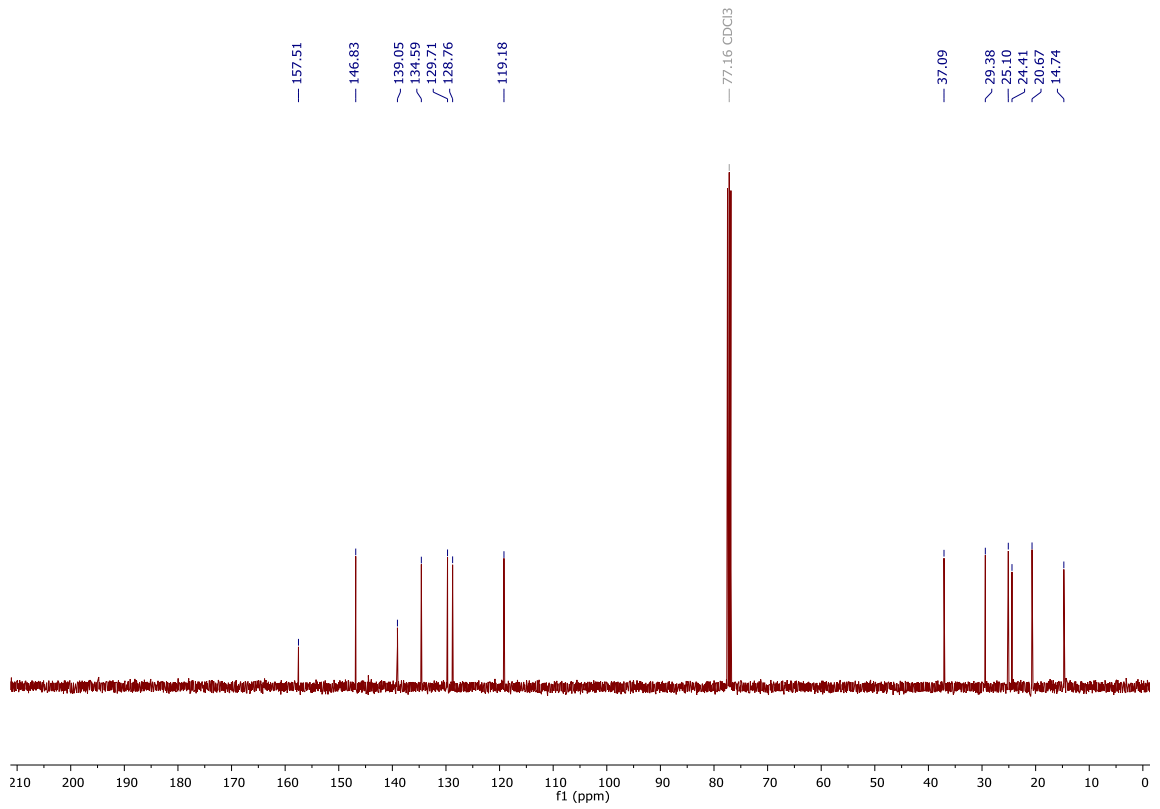
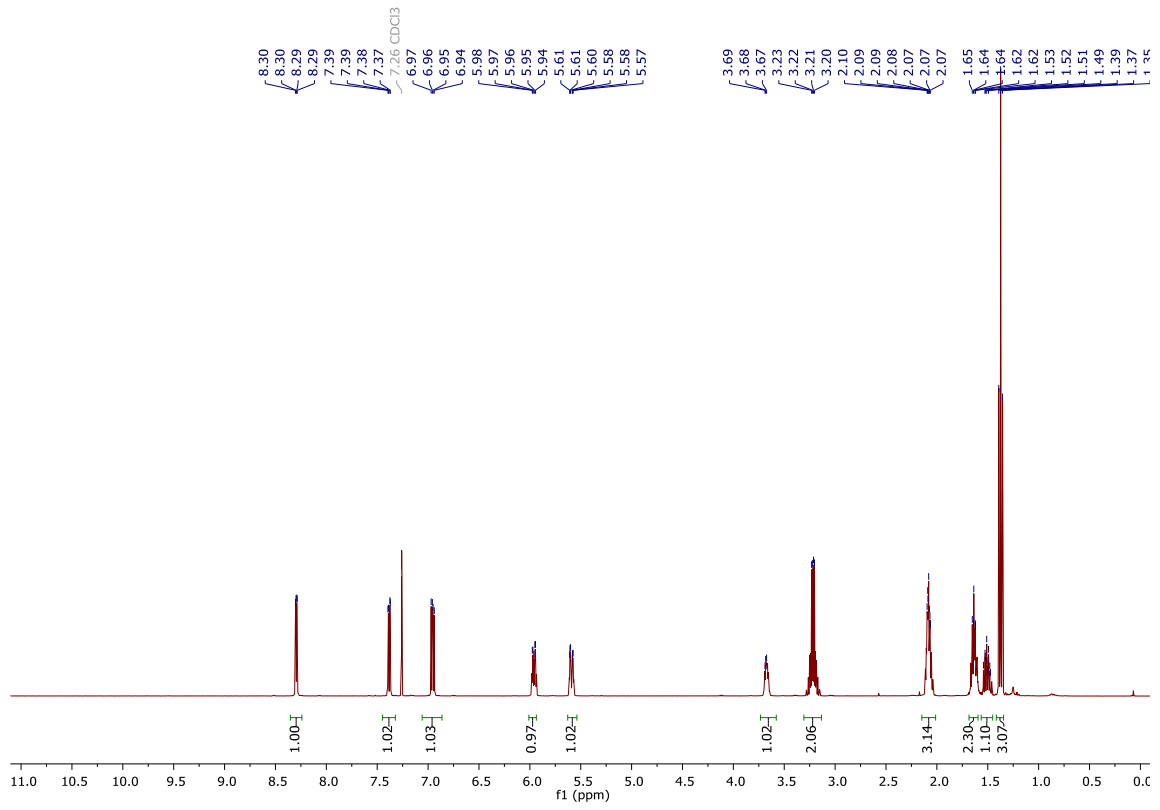
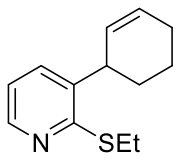
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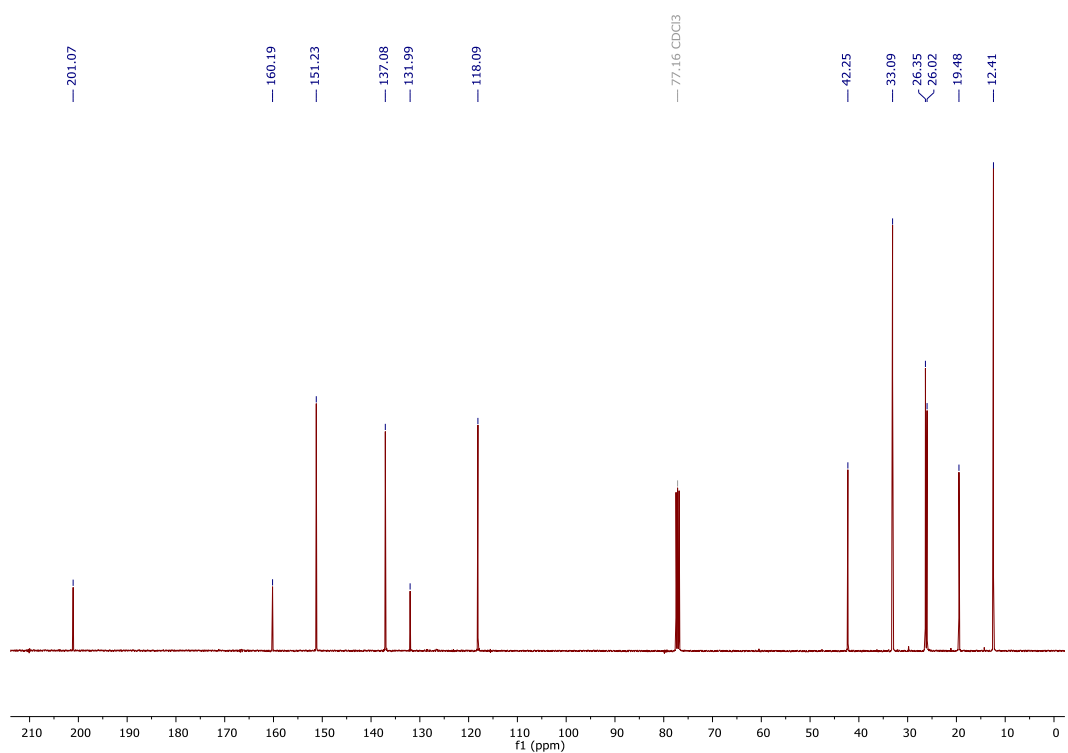
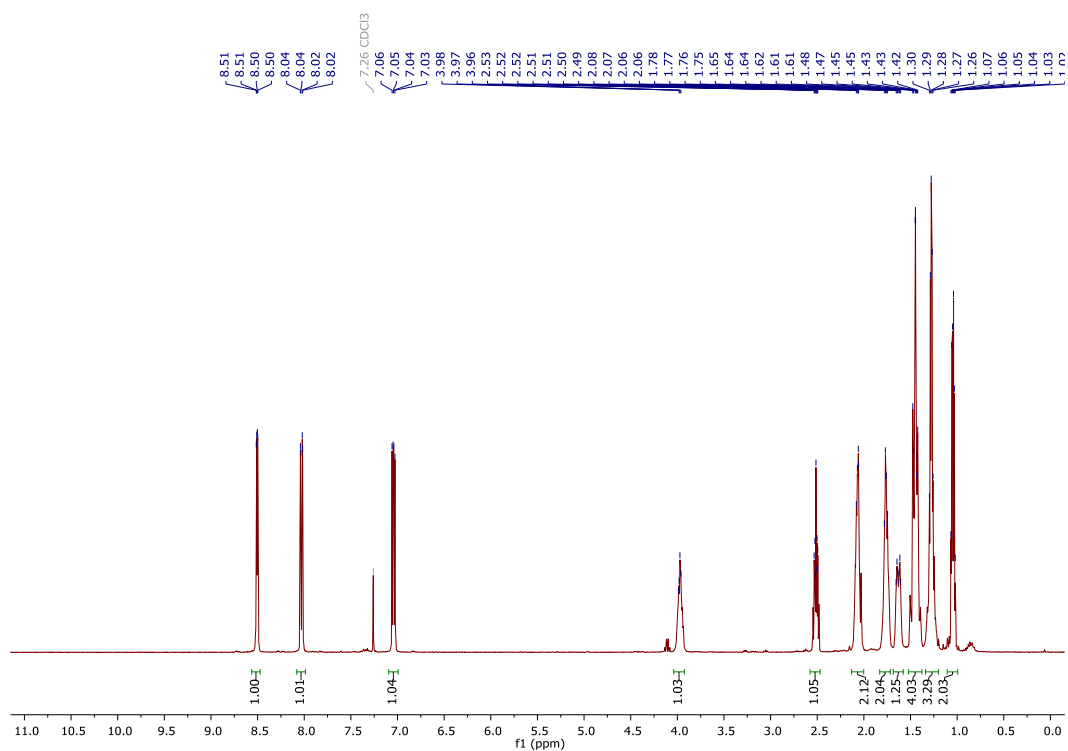
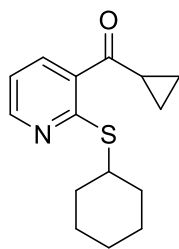
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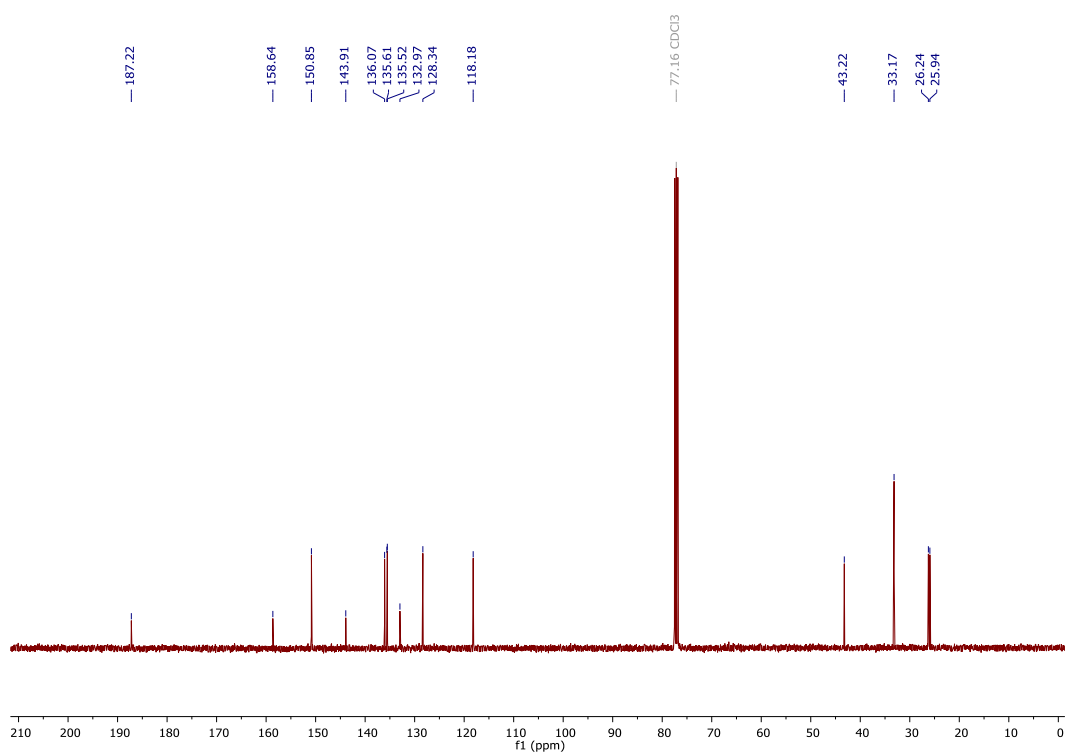
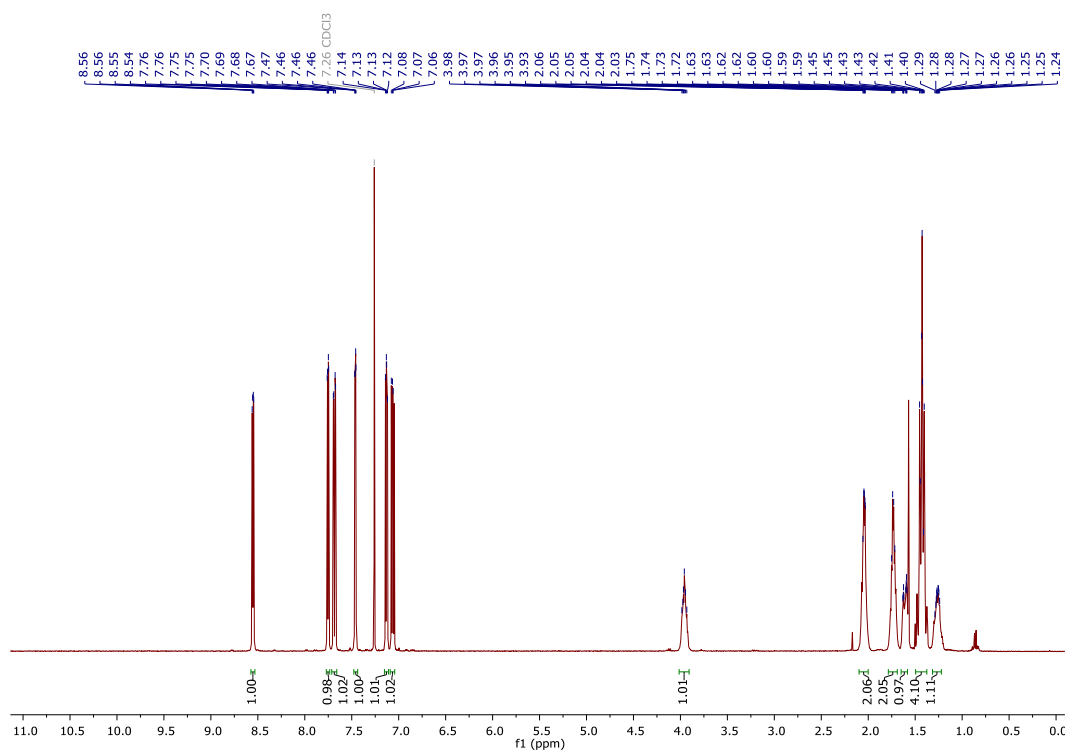
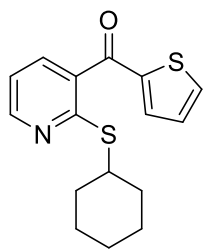
### 3-(Cyclohex-2-en-1-yl)-2-(ethylthio)pyridine (5j)



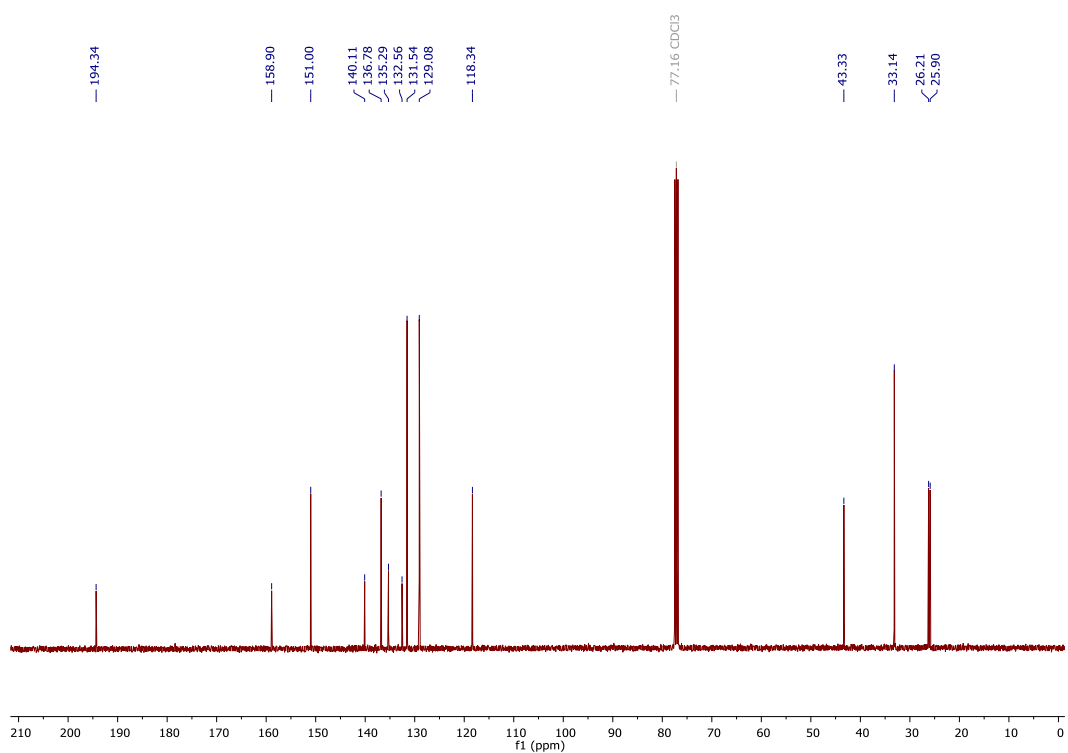
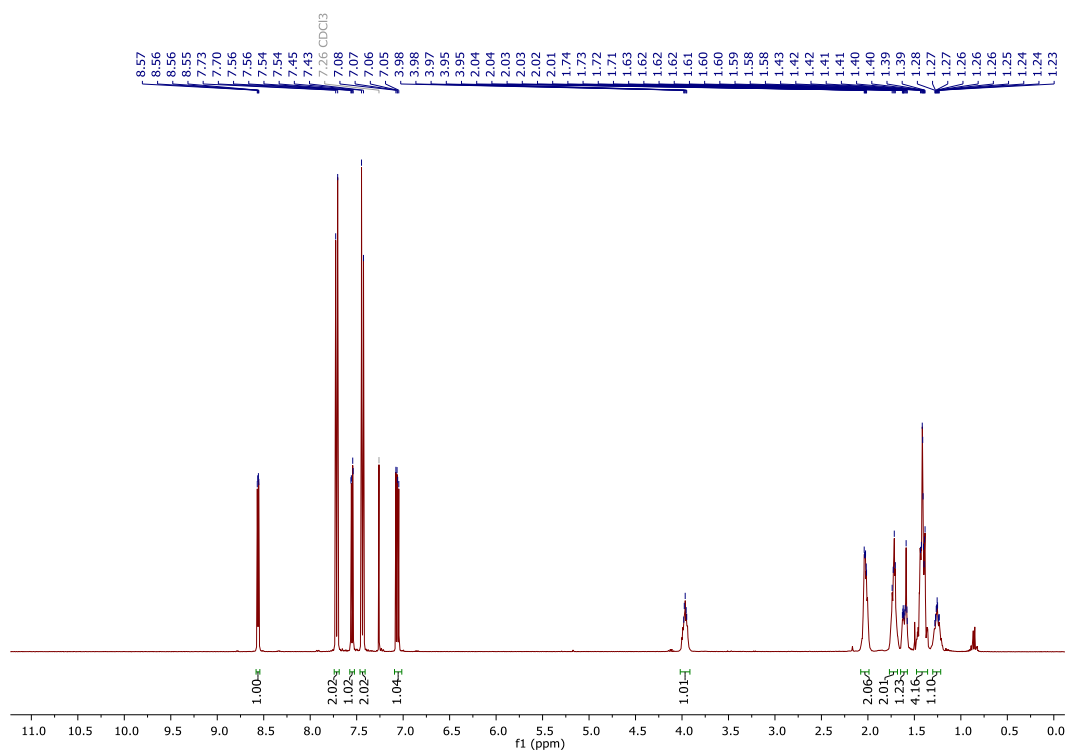
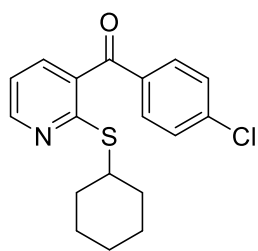
(2-(Cyclohexylthio)pyridin-3-yl)(cyclopropyl)methanone (**5k**)



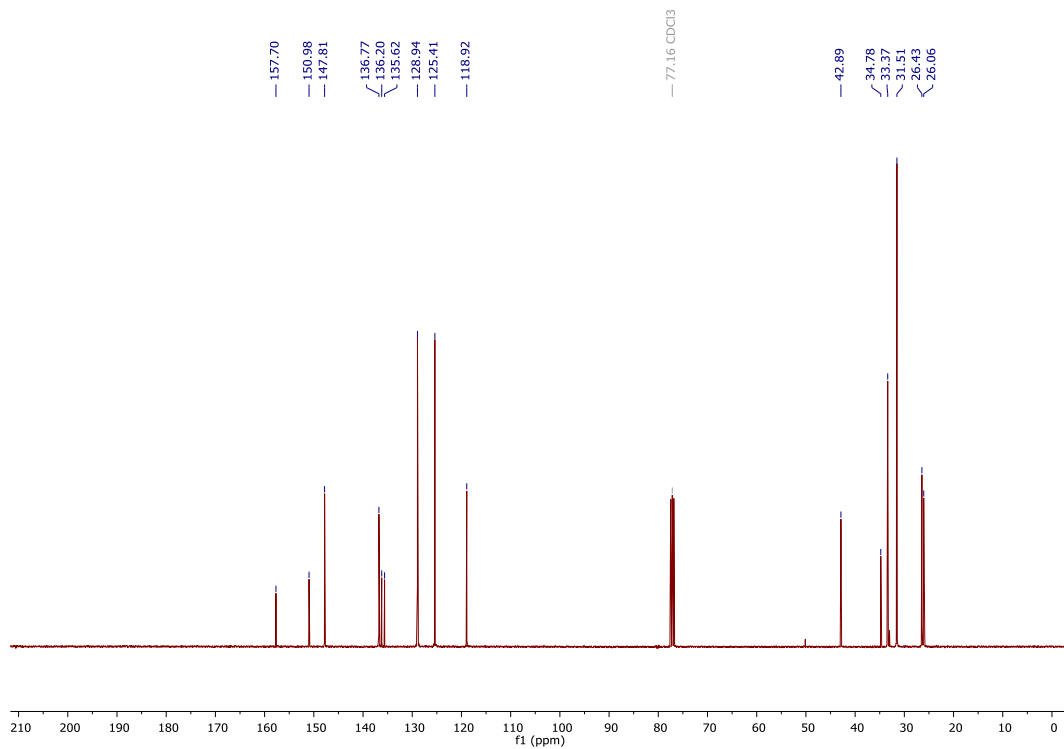
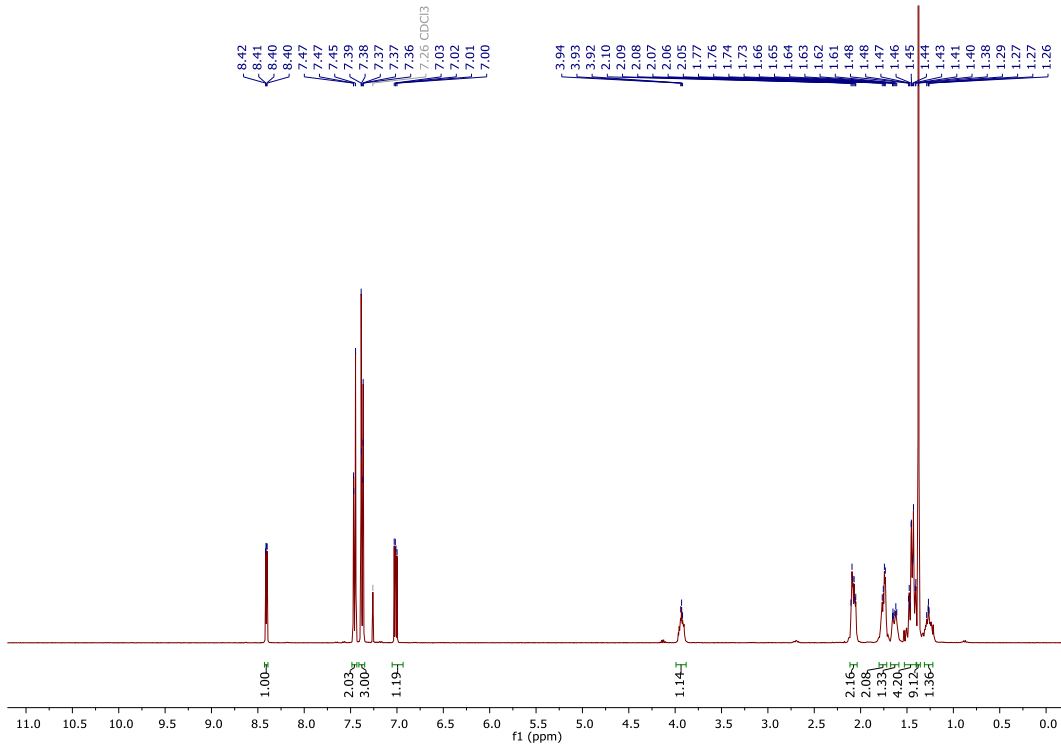
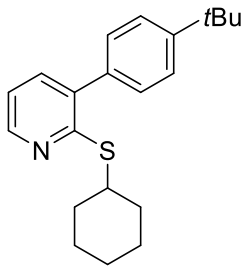
(2-(Cyclohexylthio)pyridin-3-yl)(thiophen-2-yl)methanone (5I)



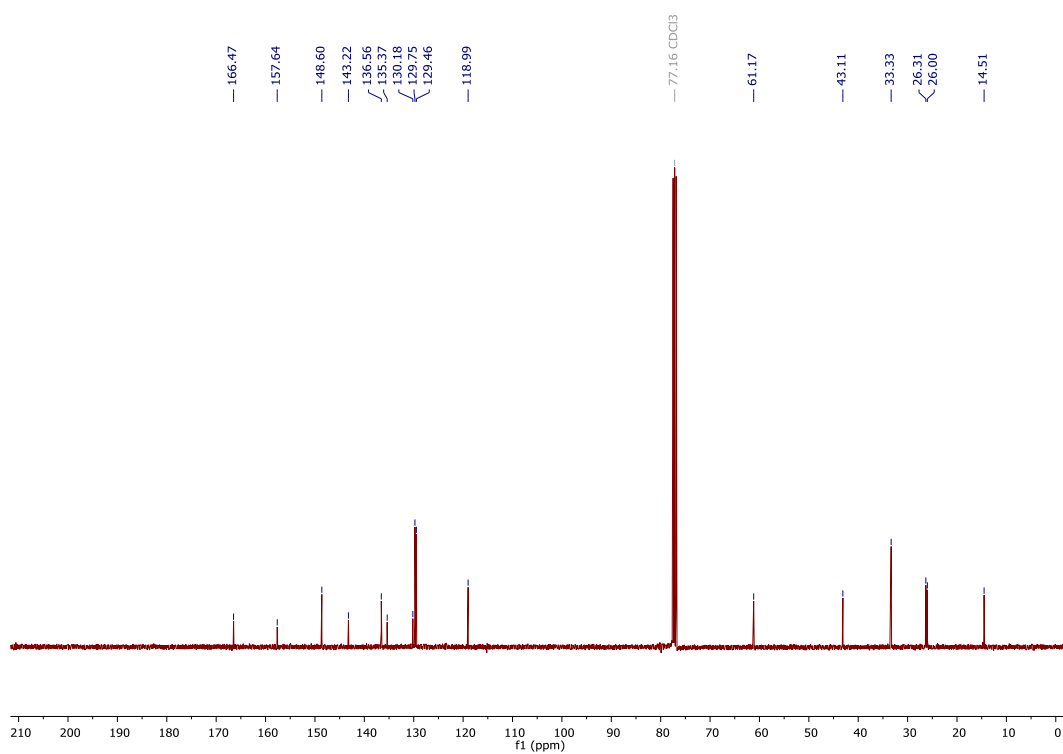
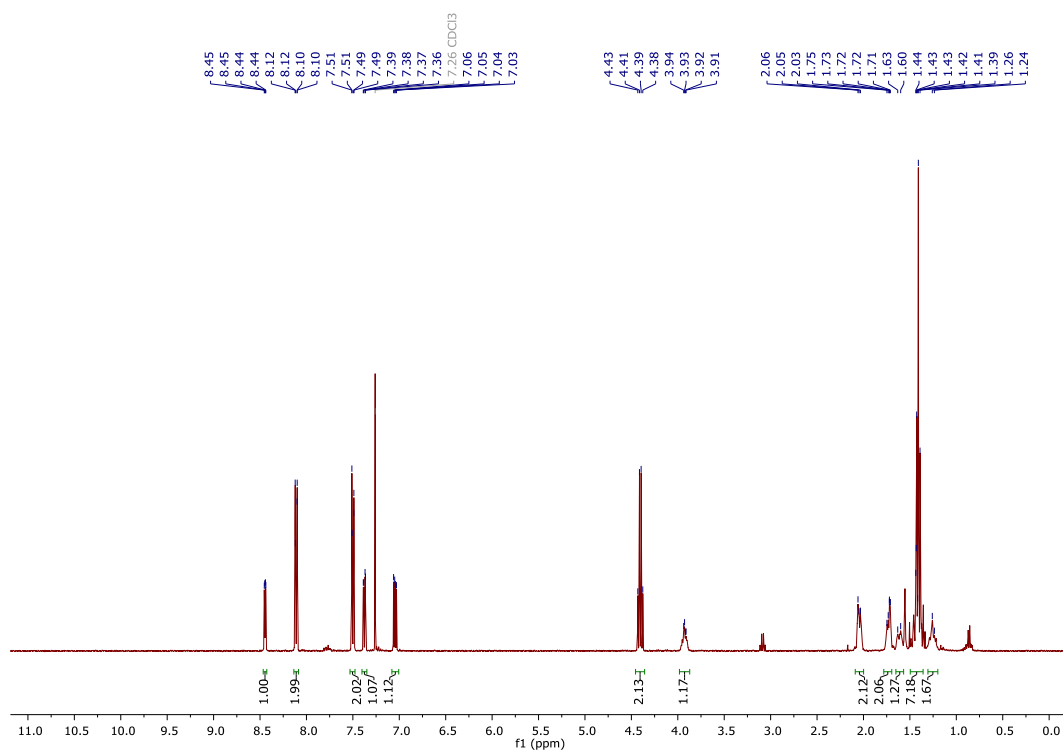
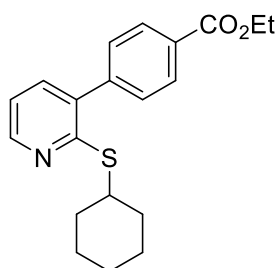
(4-Chlorophenyl)(2-(cyclohexylthio)pyridin-3-yl)methanone (**5m**)



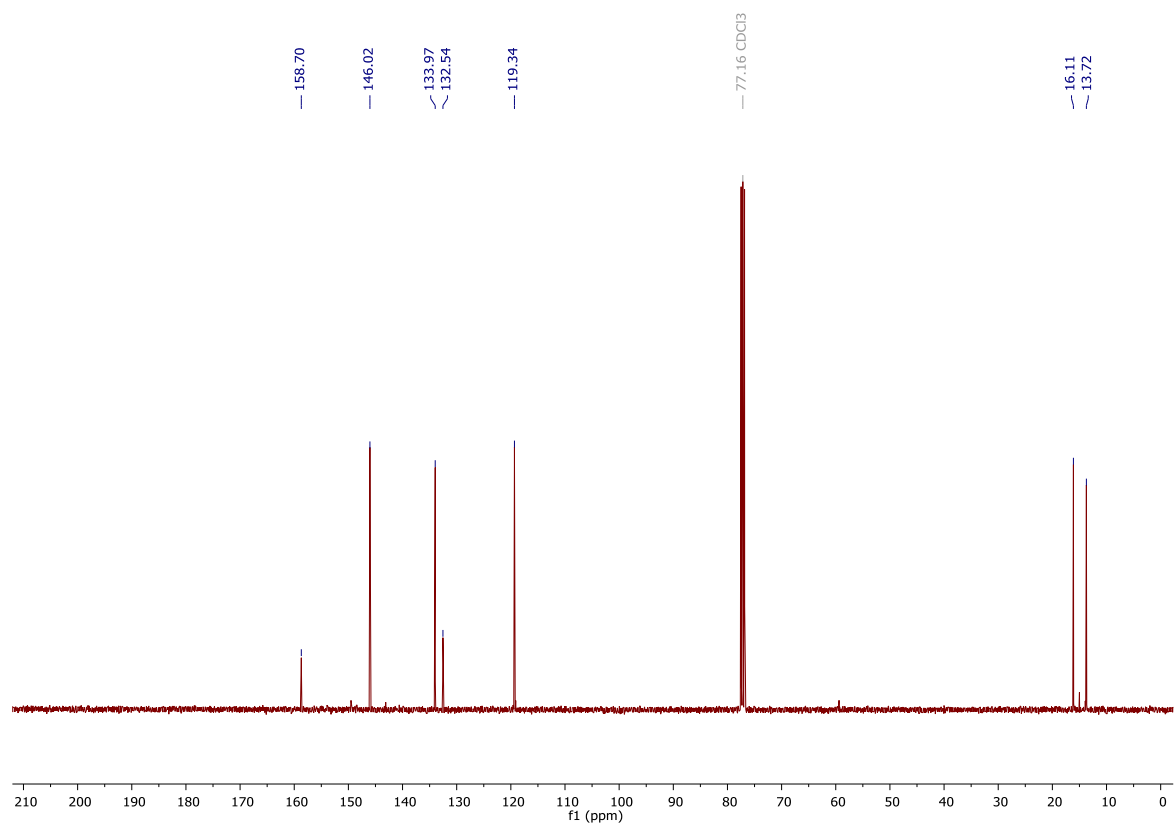
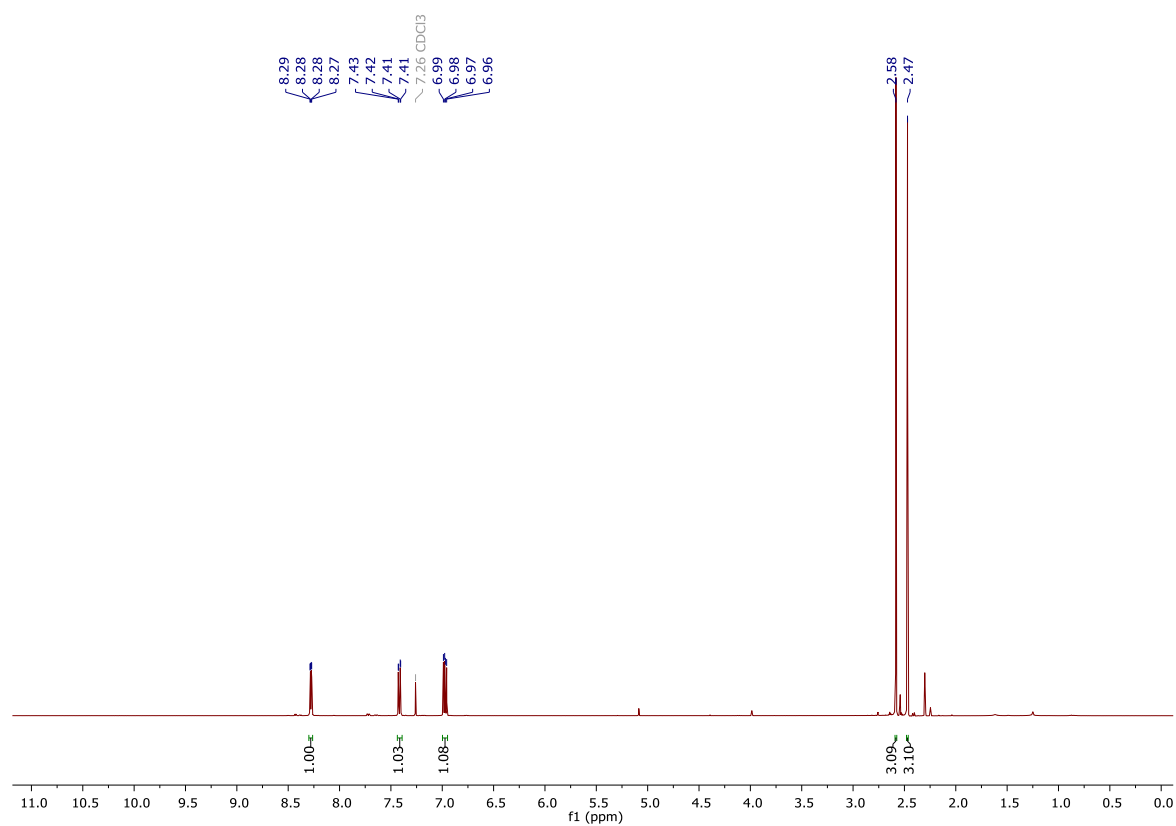
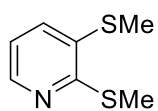
3-(4-(Tert-butyl)phenyl)-2-(cyclohexylthio)pyridine (**5n**)



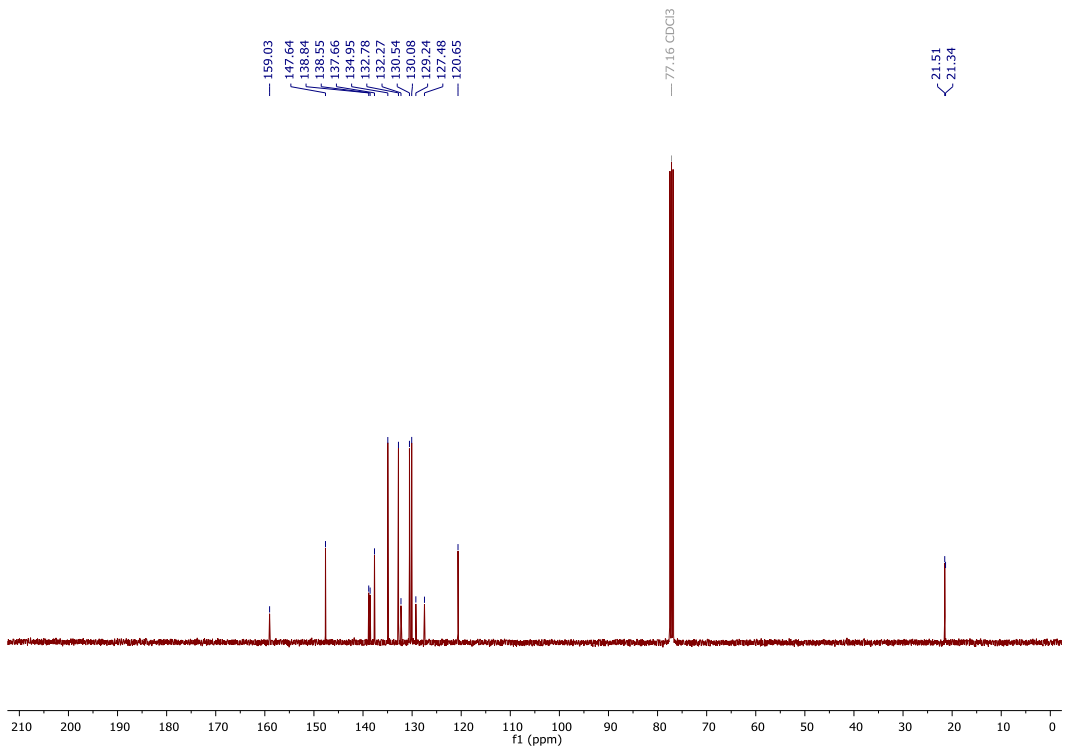
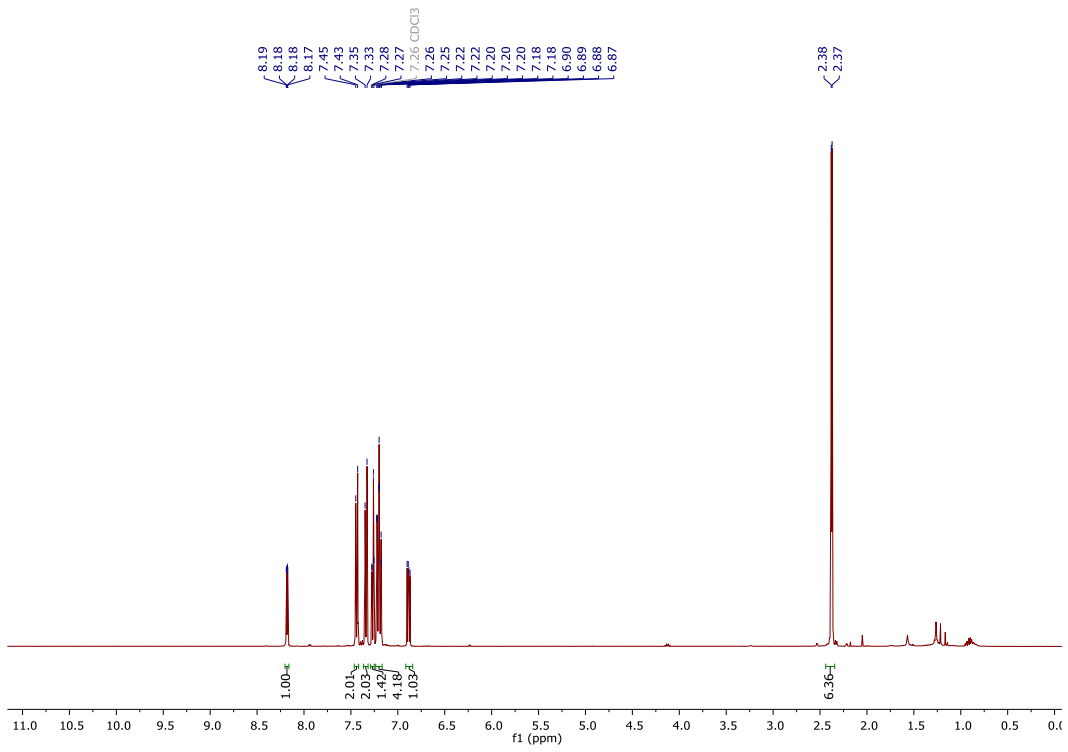
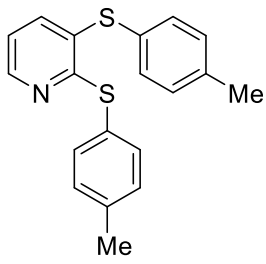
Ethyl 4-(2-(cyclohexylthio)pyridin-3-yl)benzoate (**5o**)



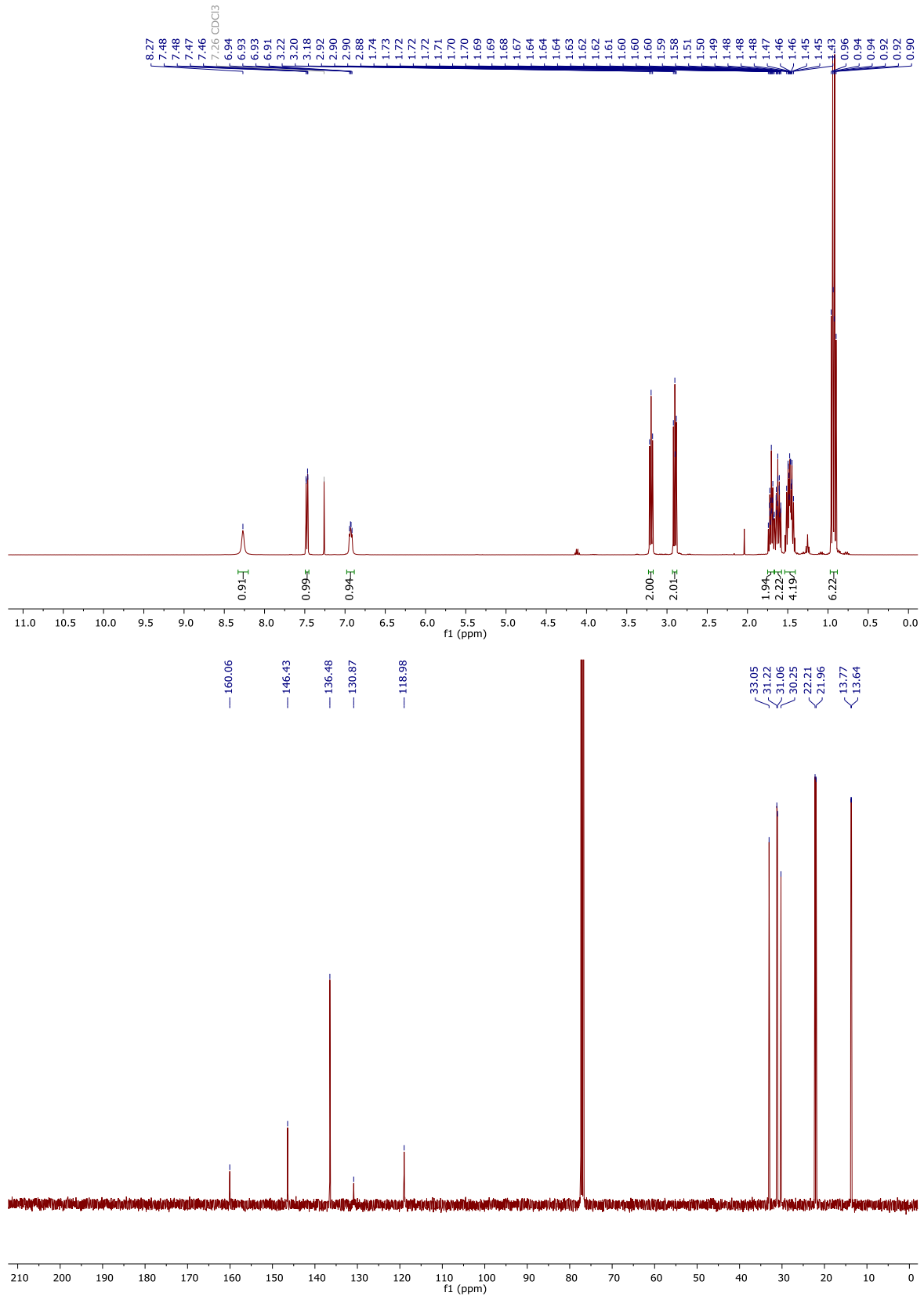
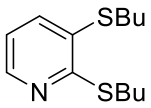
# 2,3-Bis(methylthio)pyridine (**6a**)



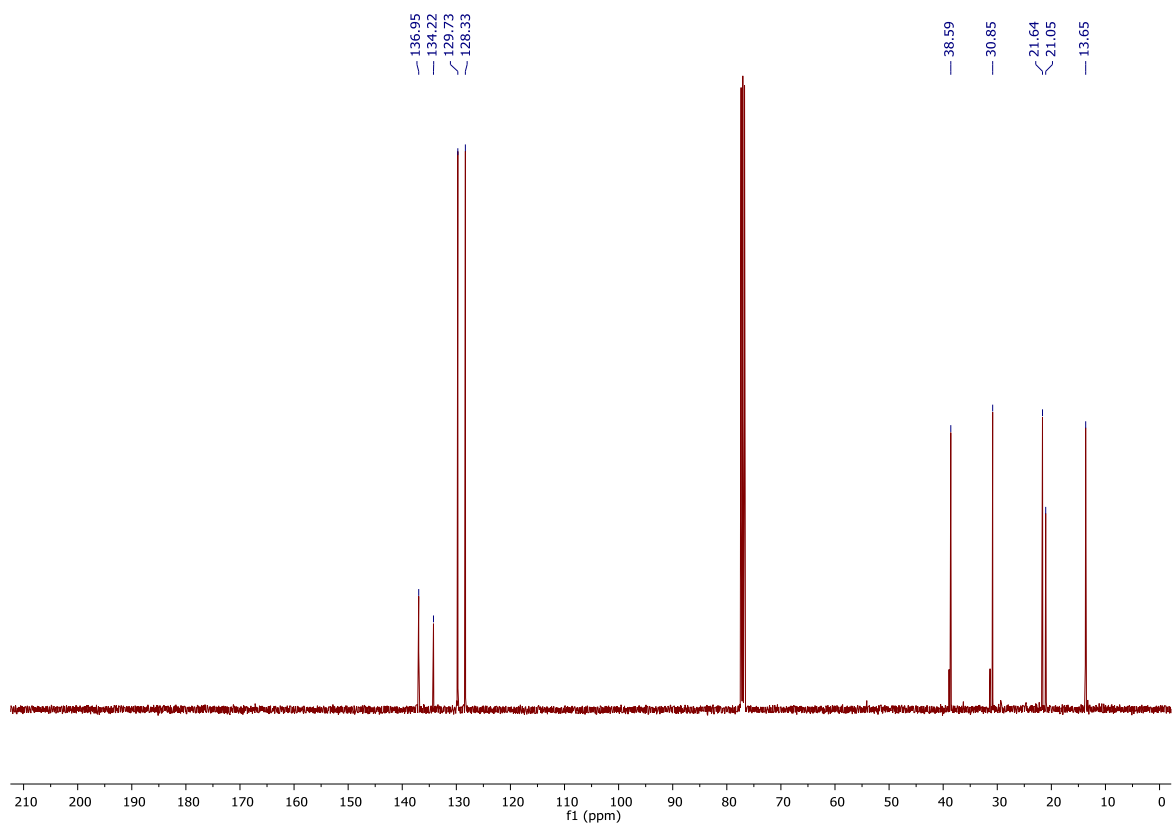
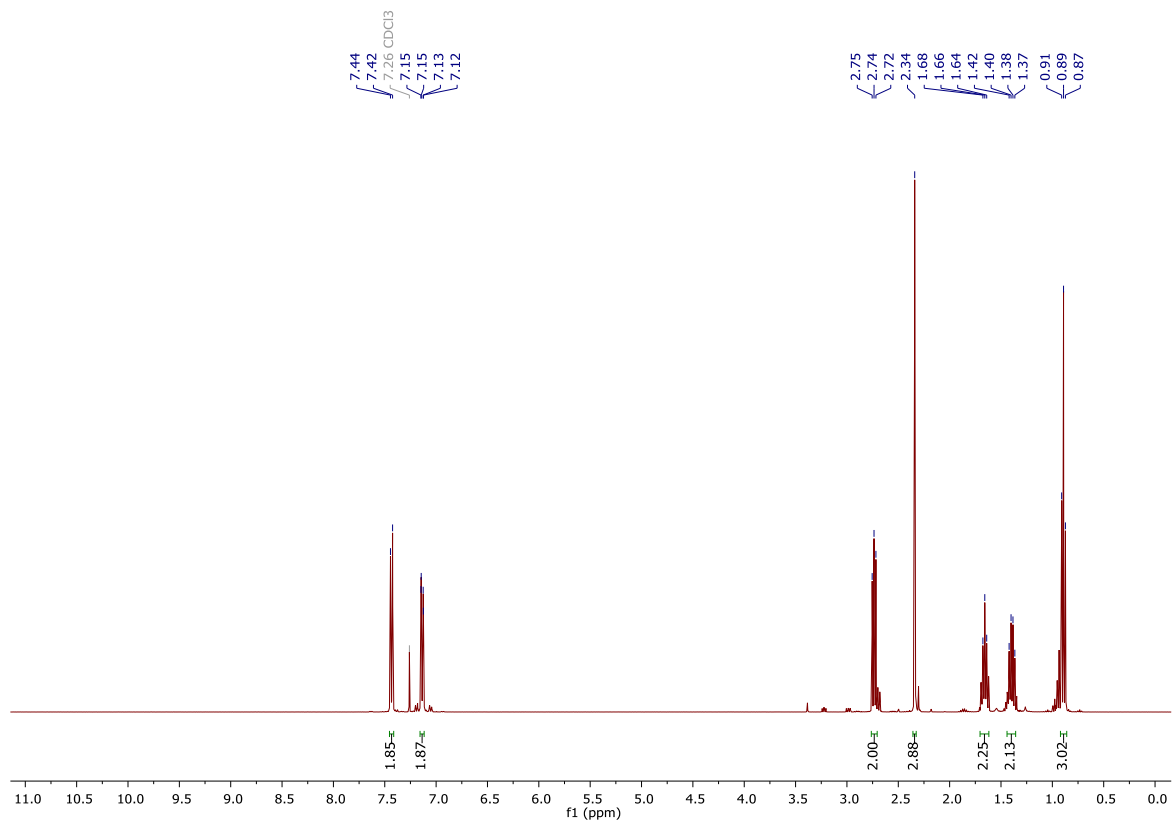
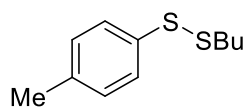
### 2,3-Bis(p-tolylthio)pyridine (6b)



# 2,3-Bis(butylthio)pyridine (6c)



# 1-Butyl-2-(p-tolyl)disulfane (8)



### 3-(Butylthio)-2-(p-tolylthio)pyridine (**6d**)

