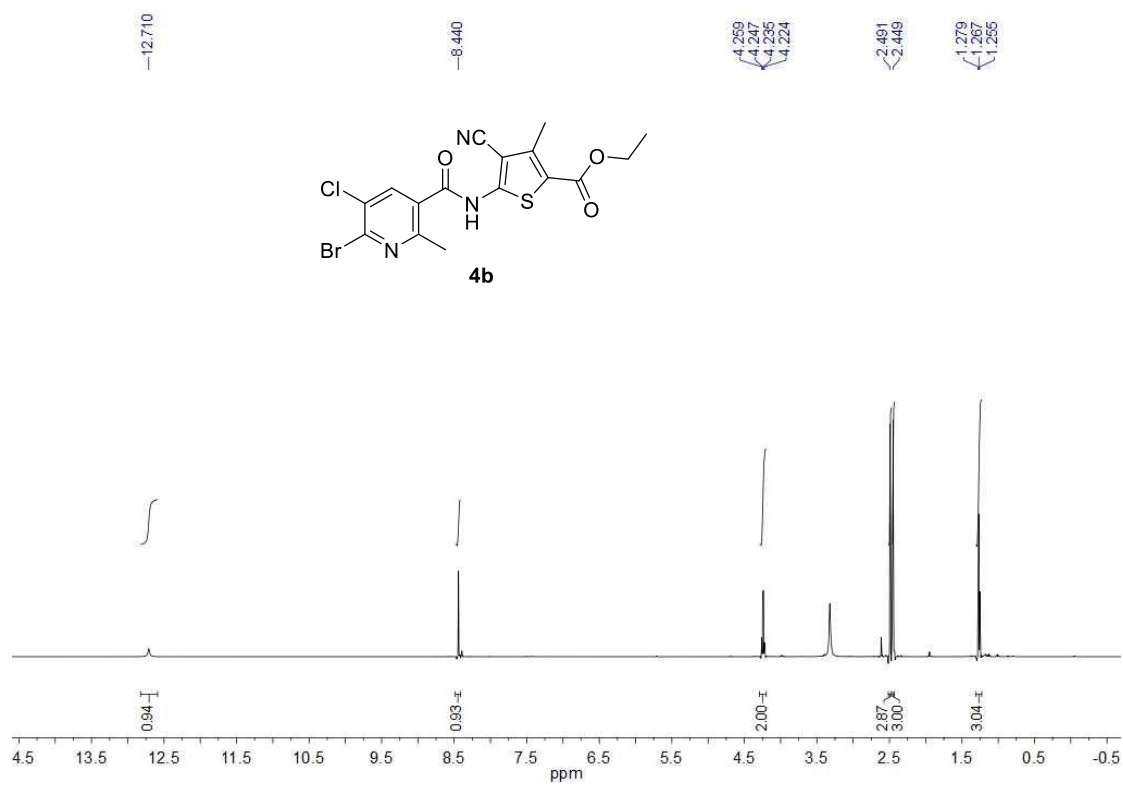
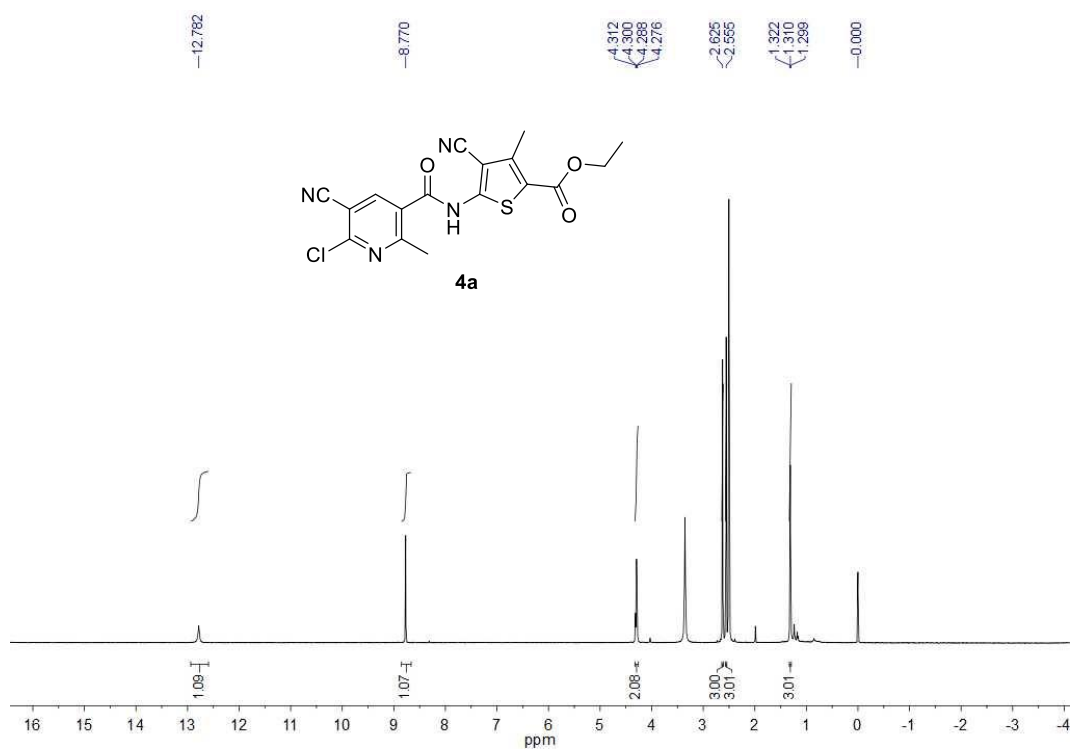


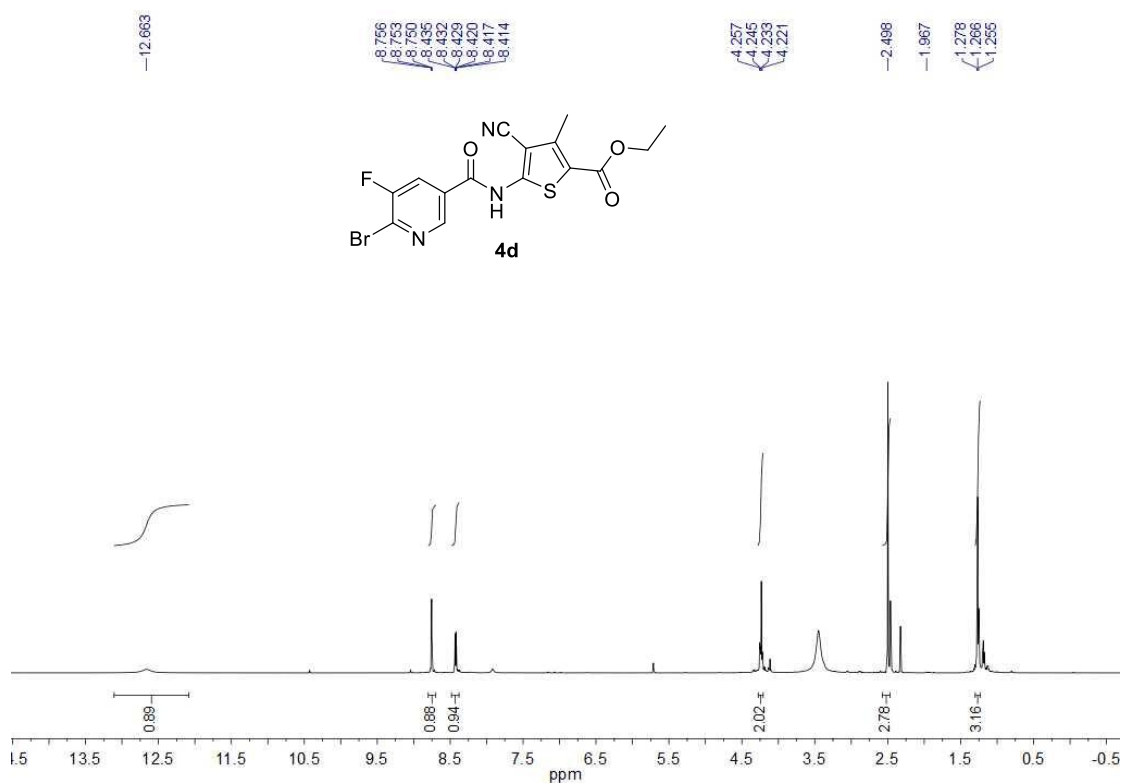
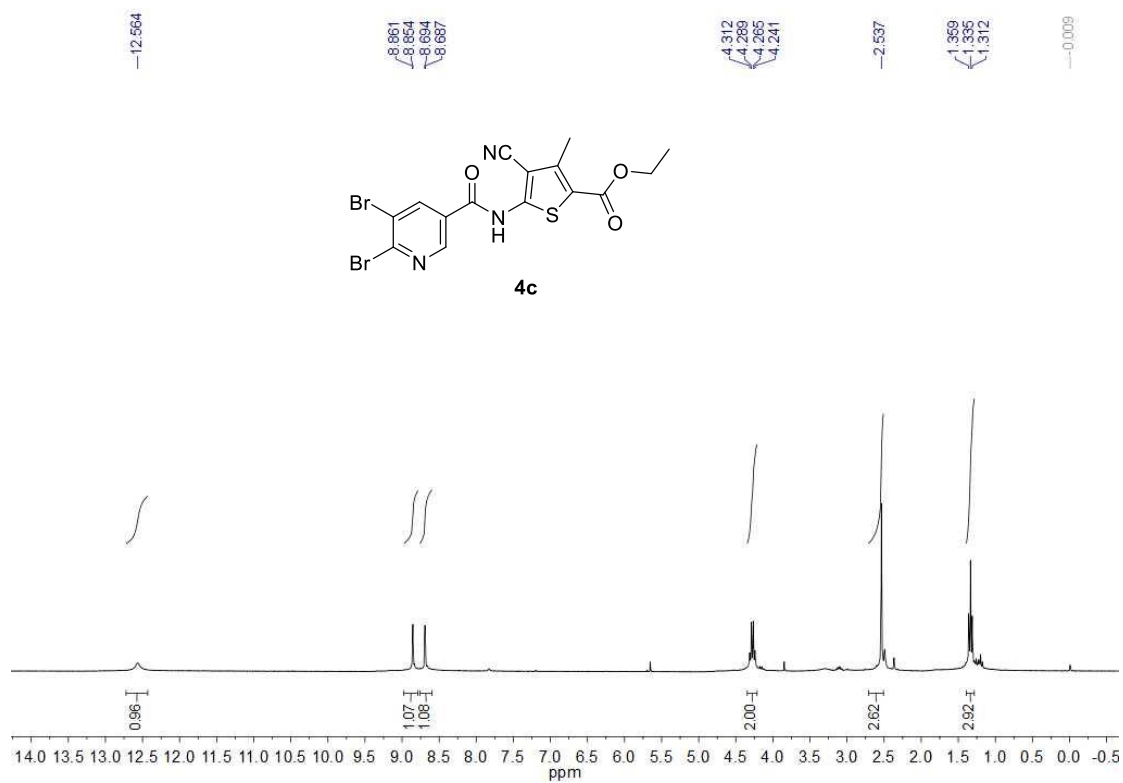
Supporting information

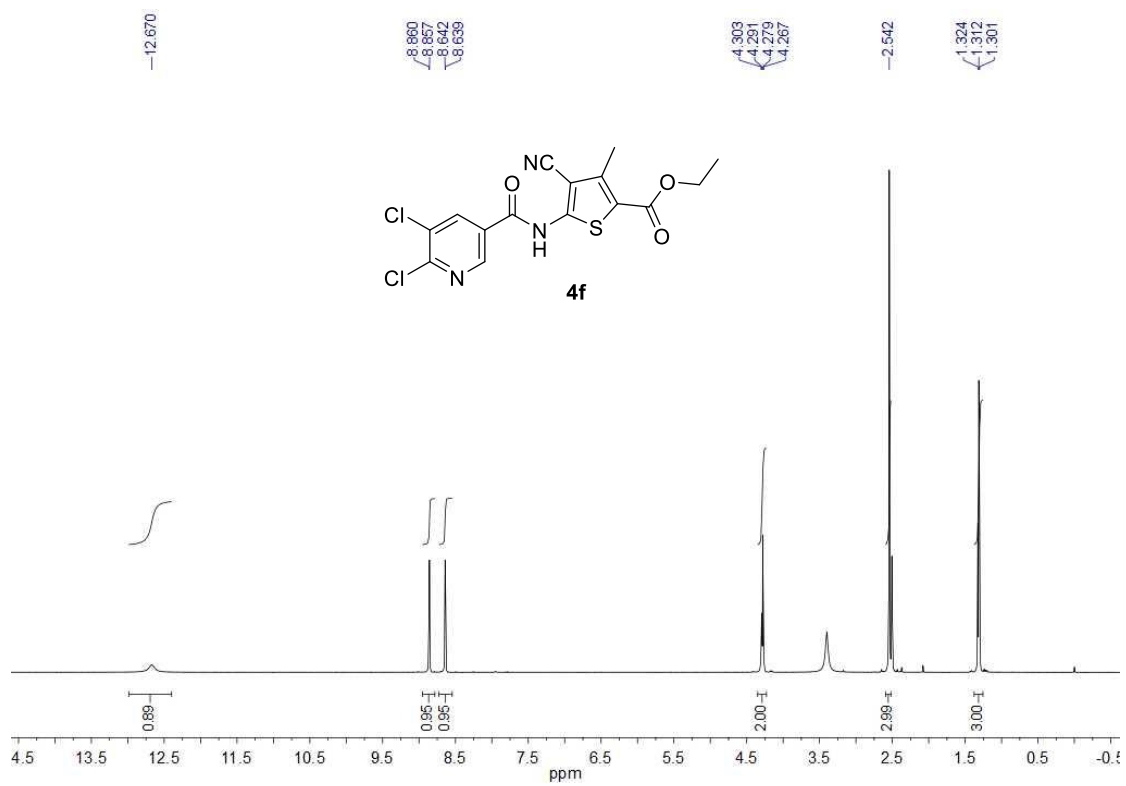
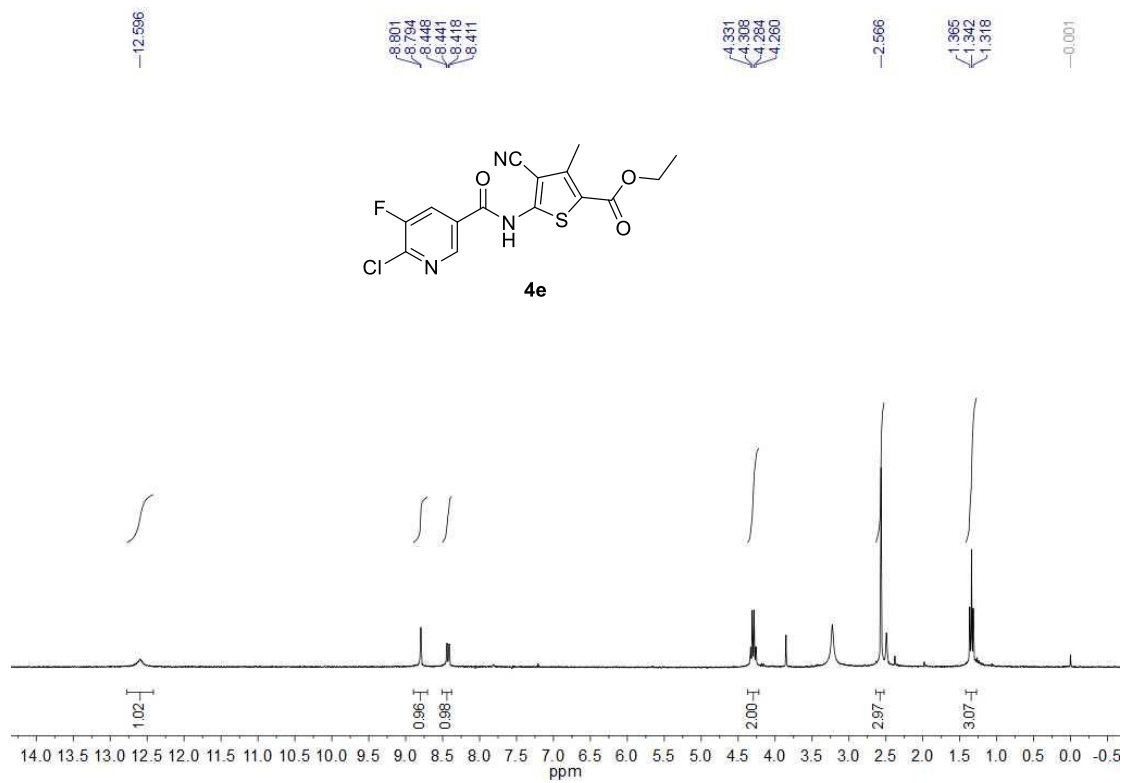
Design, Synthesis and Fungicidal Activity of *N*-(thiophen-2-yl) Nicotinamide Derivatives

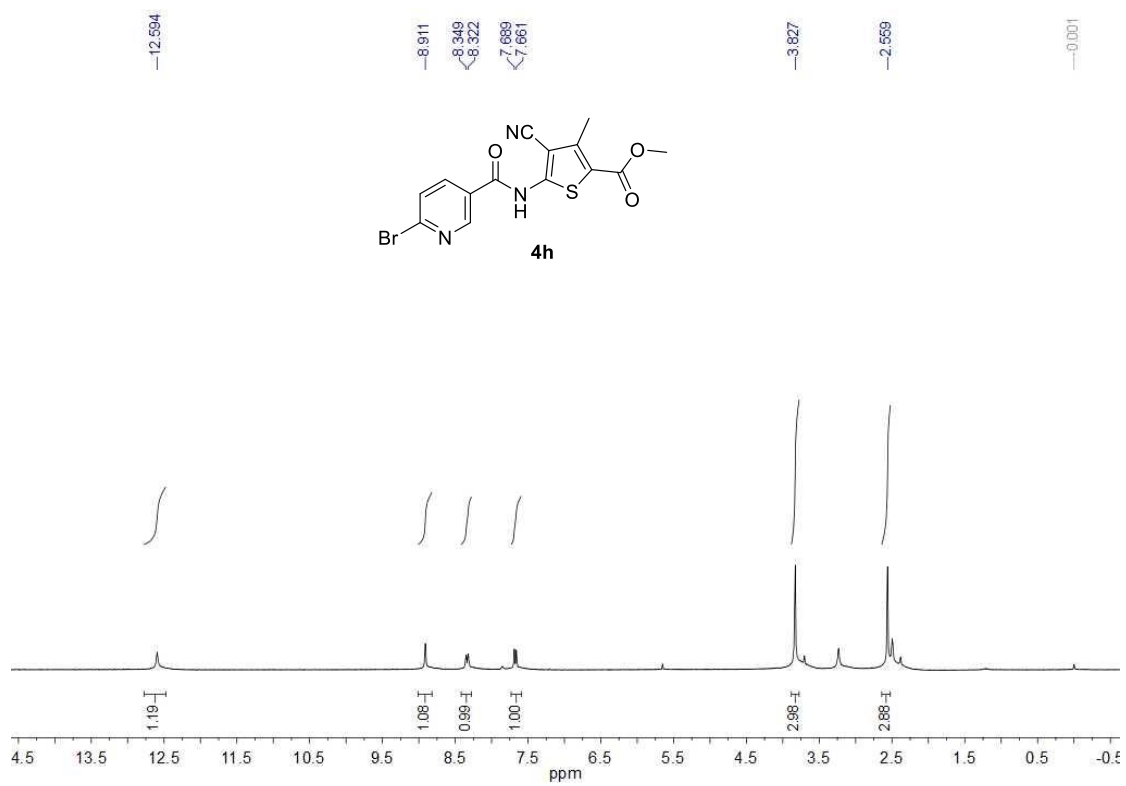
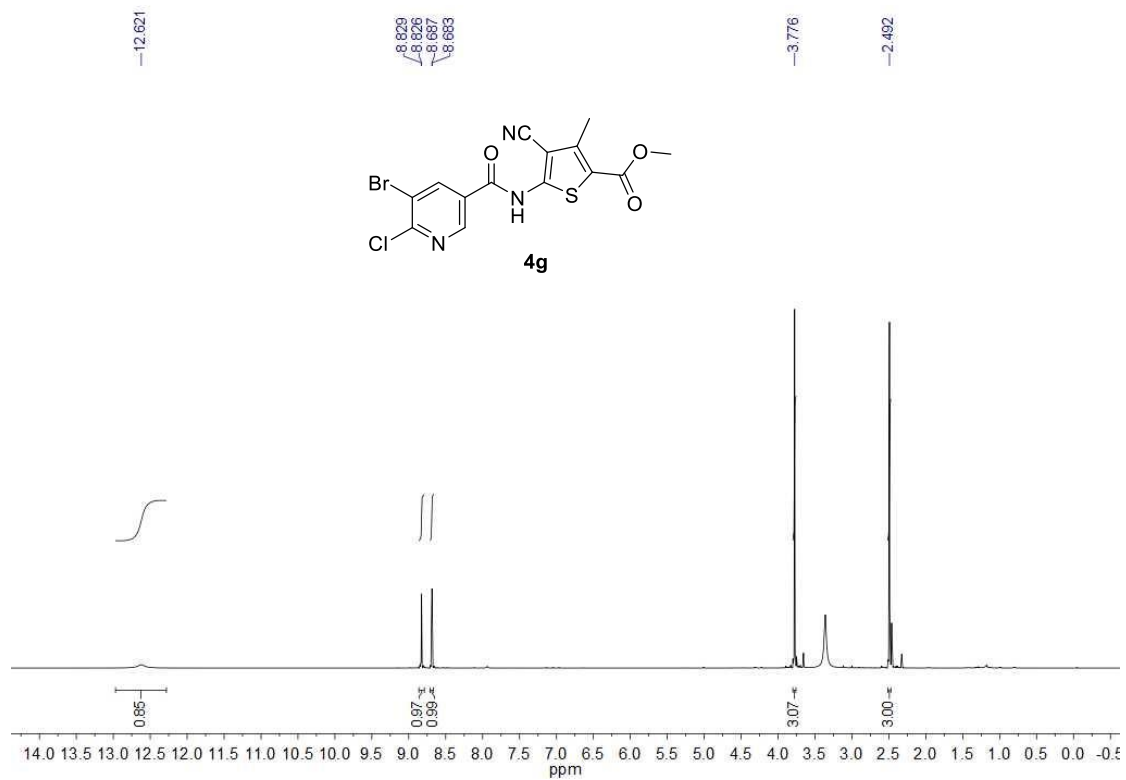
Hongfei Wu, Xingxing Lu, Jingbo Xu, Xiaoming Zhang, Zhinian Li, Xinling Yang, *,
Yun Ling *

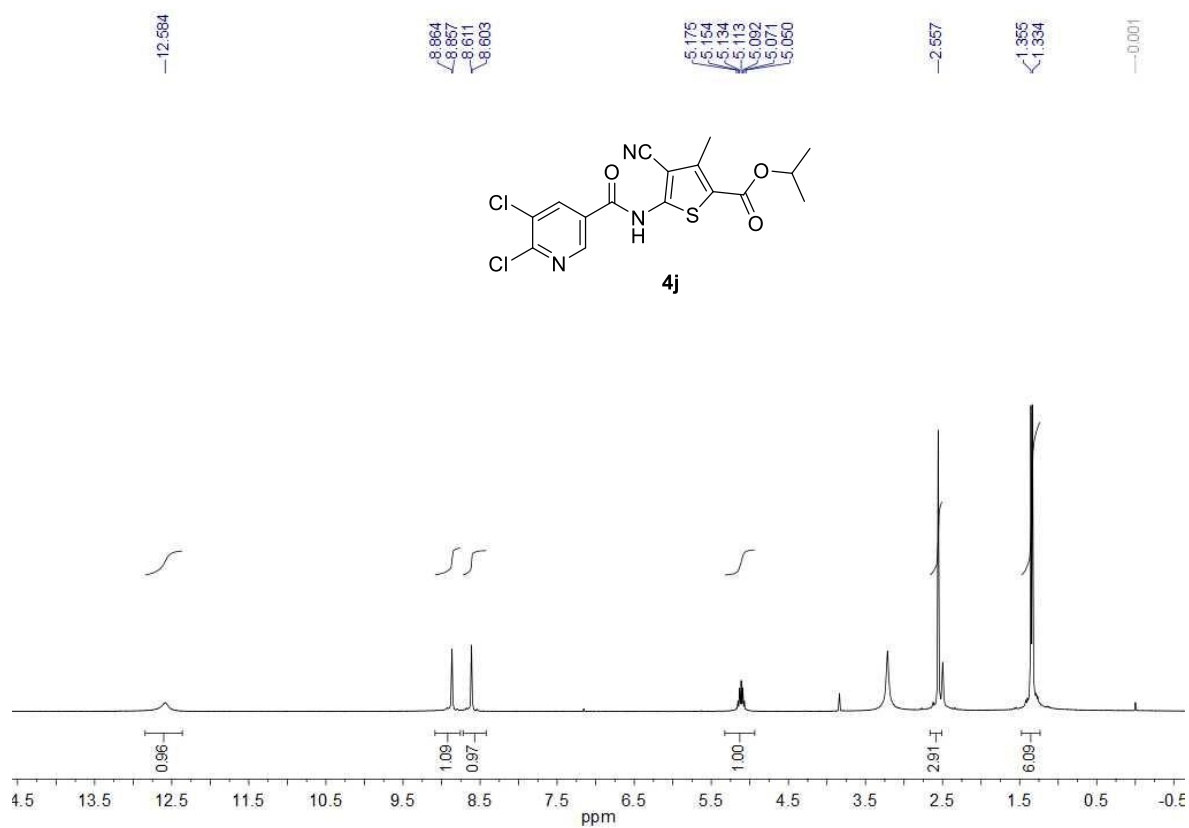
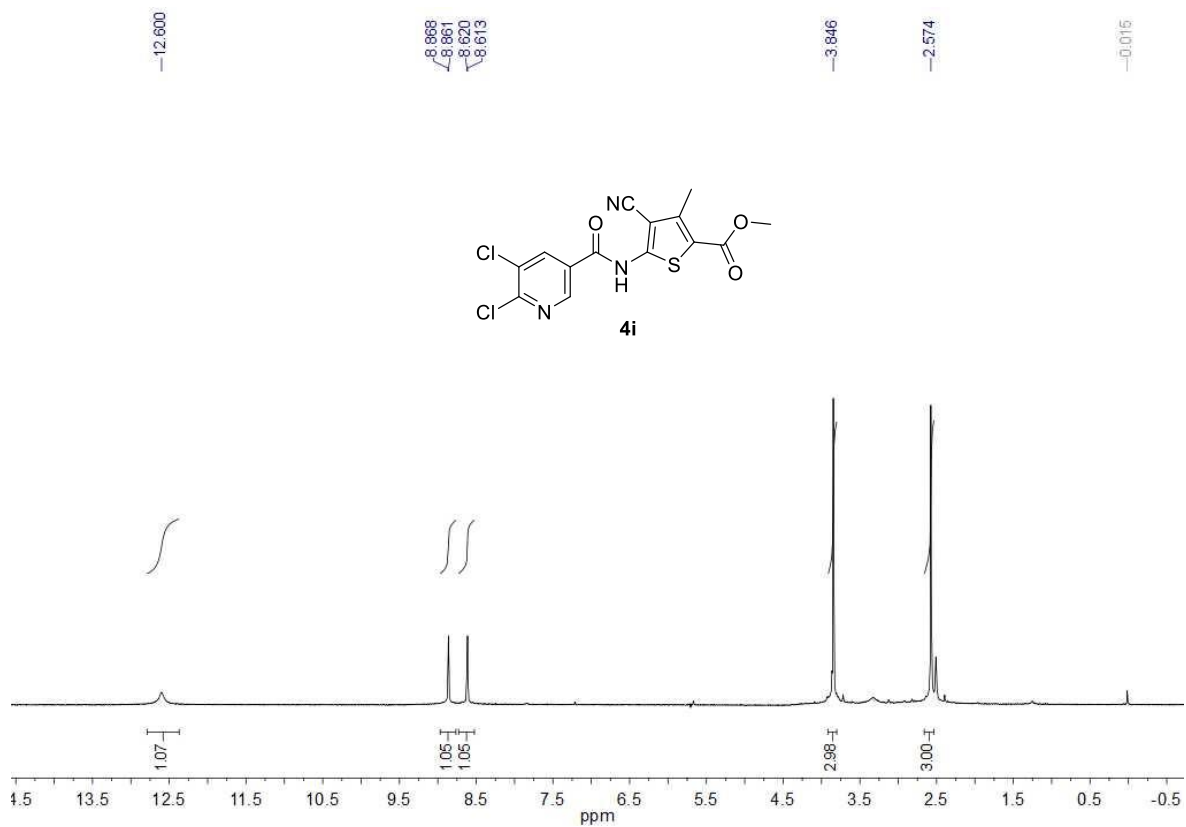
¹H NMR SPECTRAL GRAPH

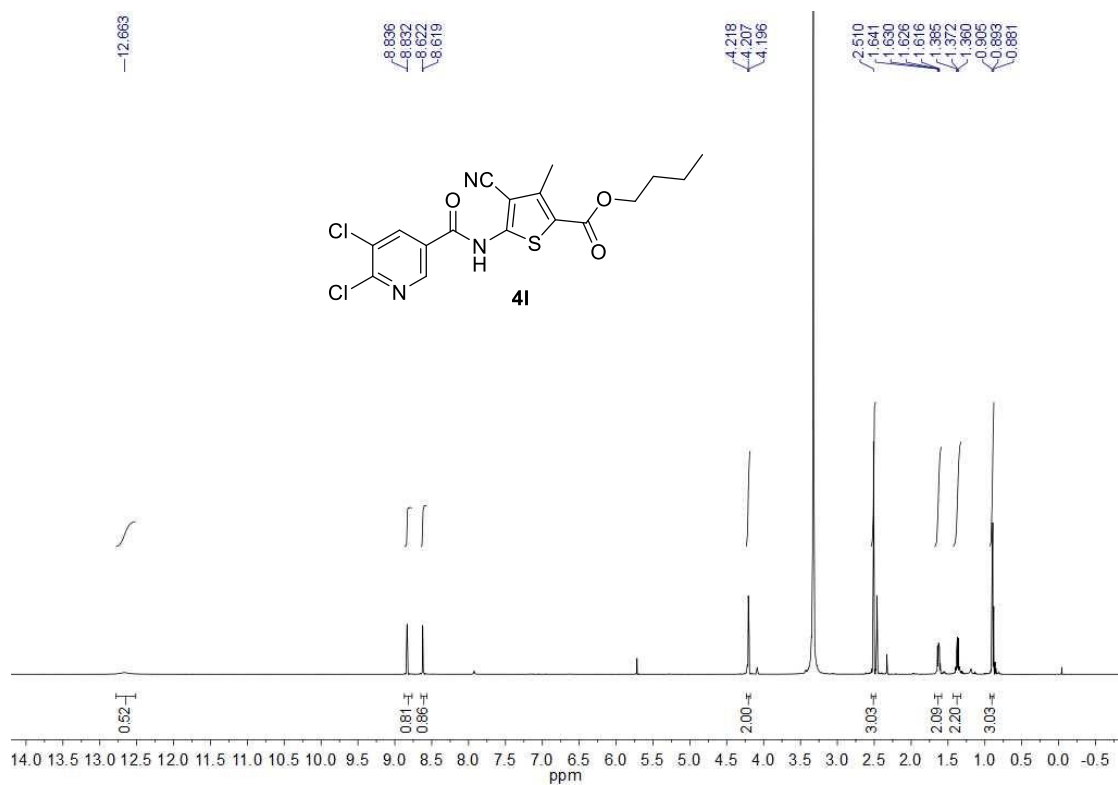
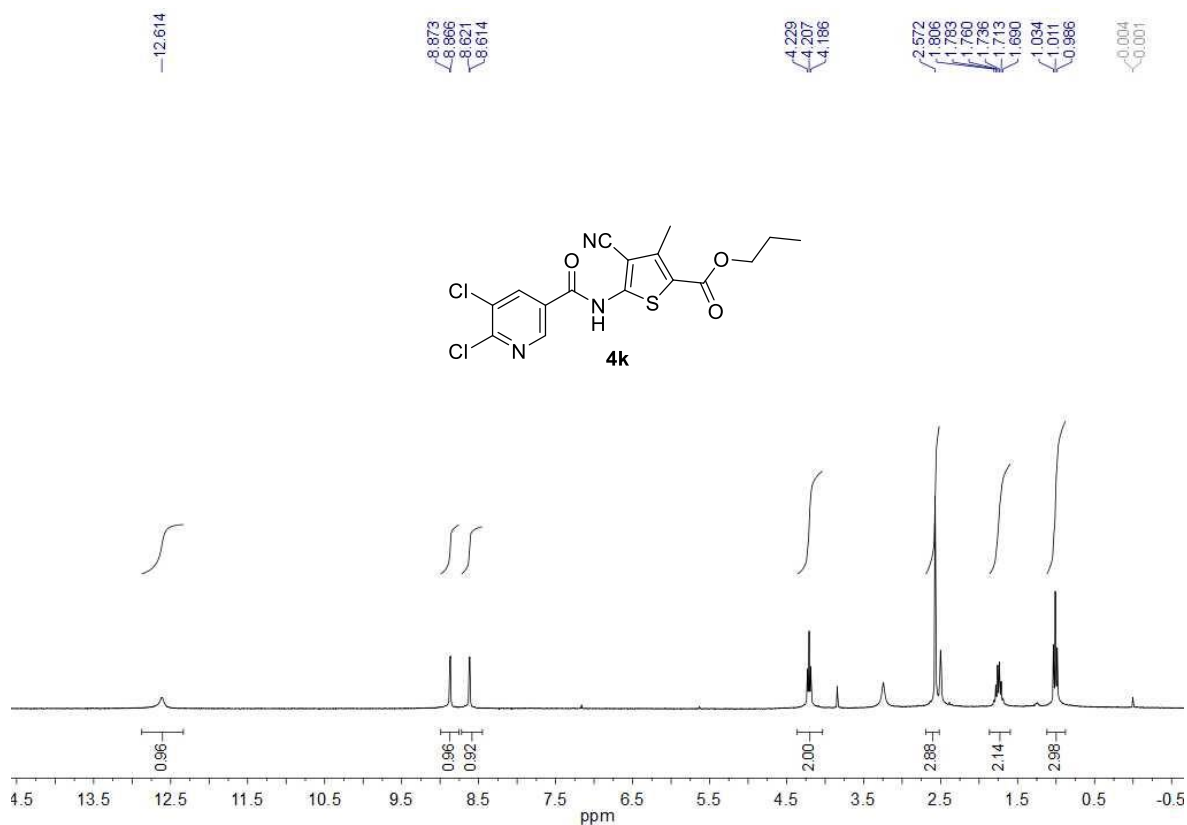


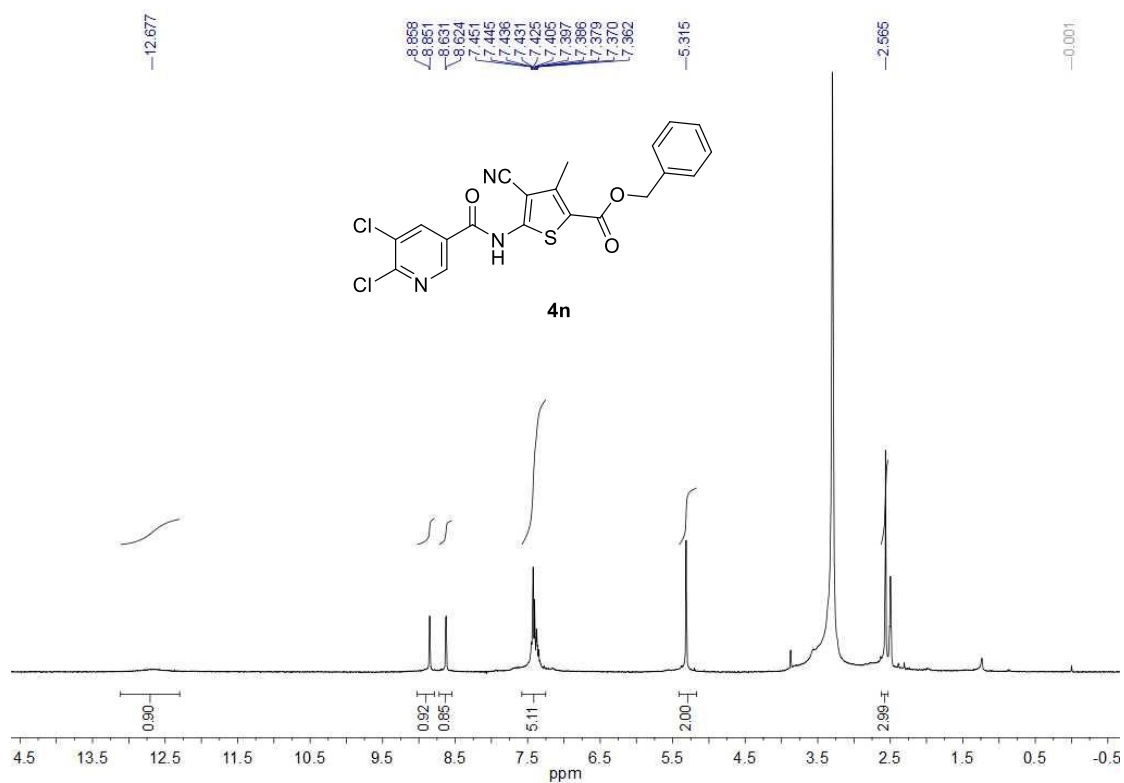
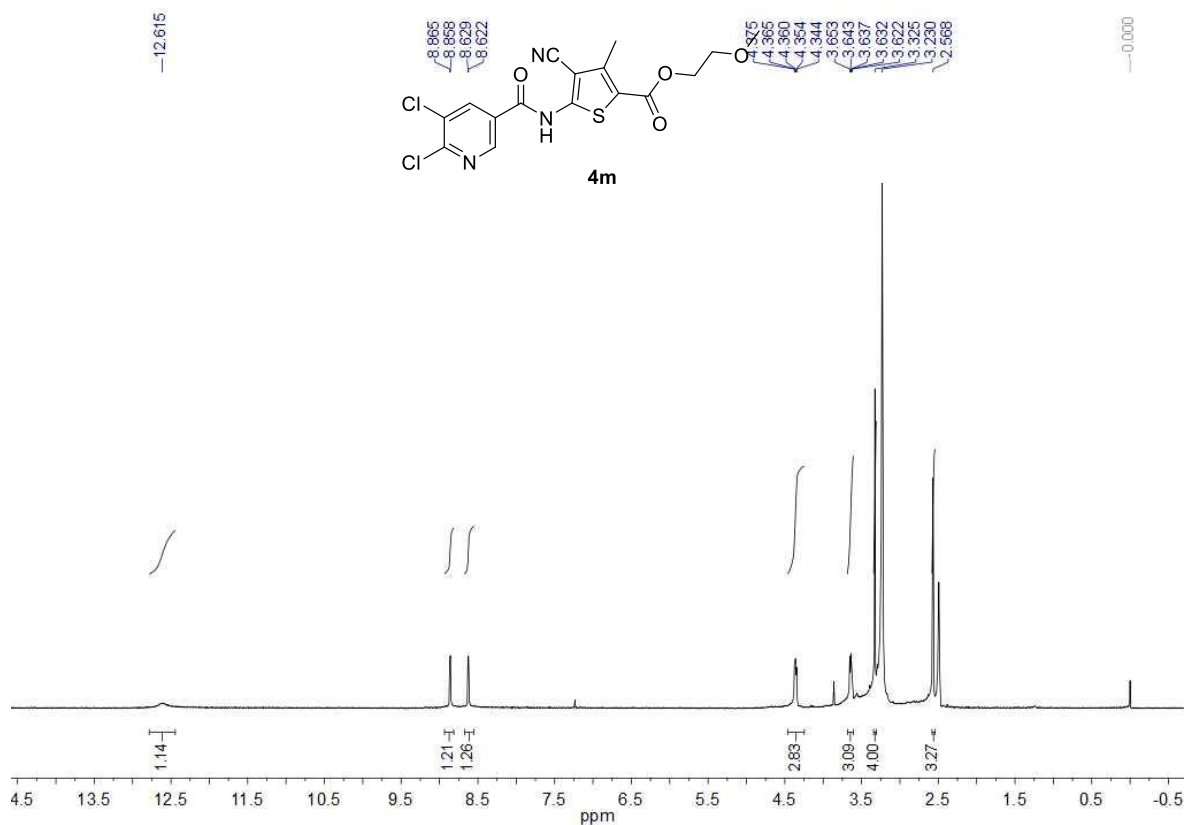


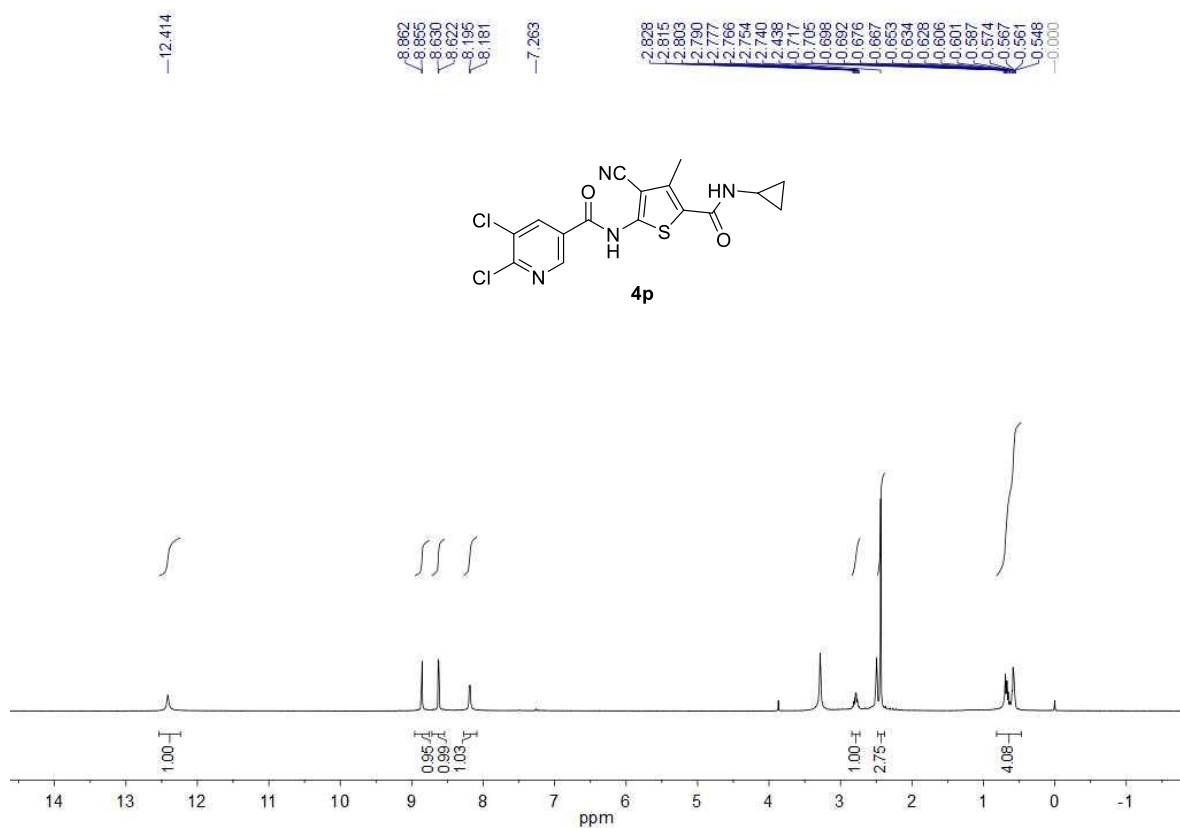
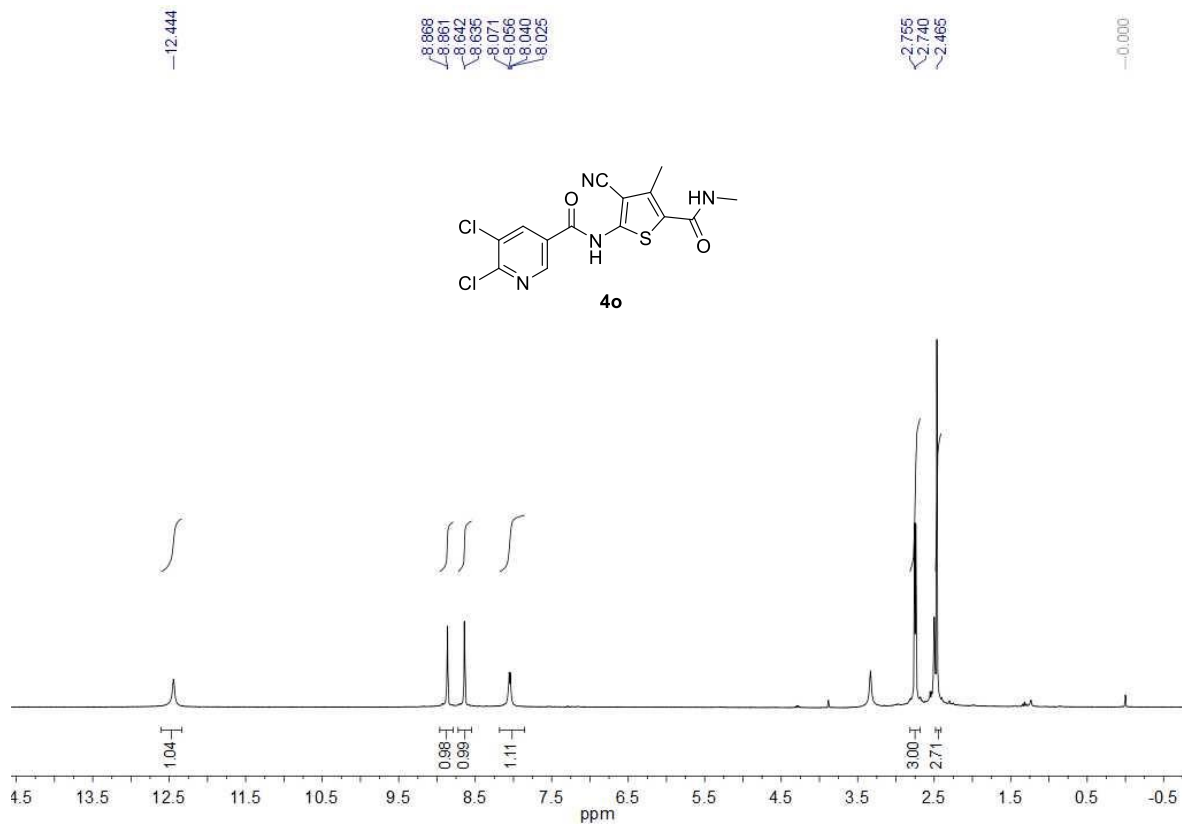


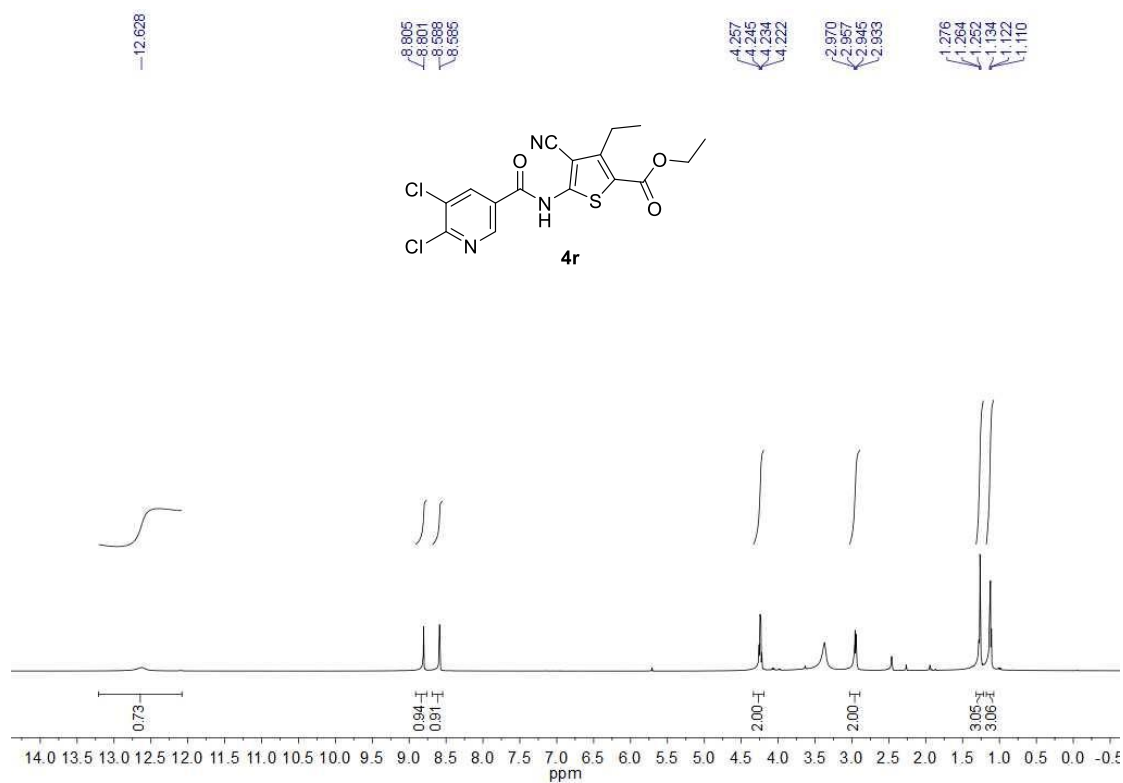
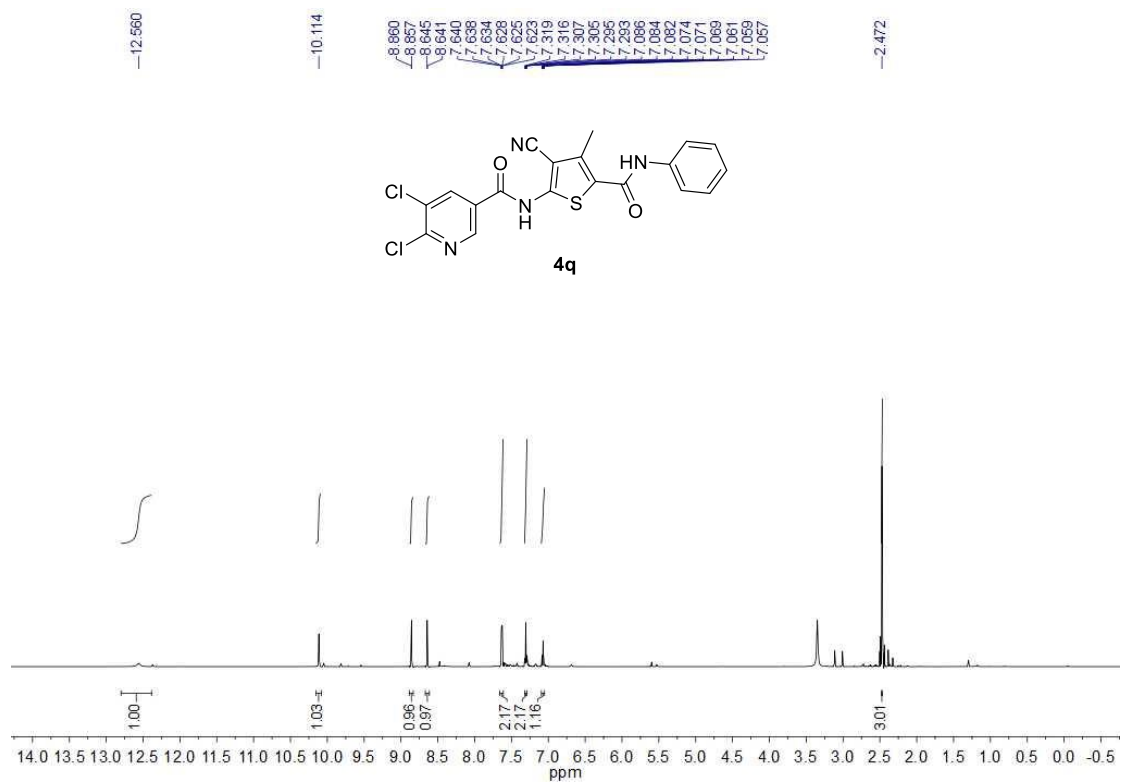


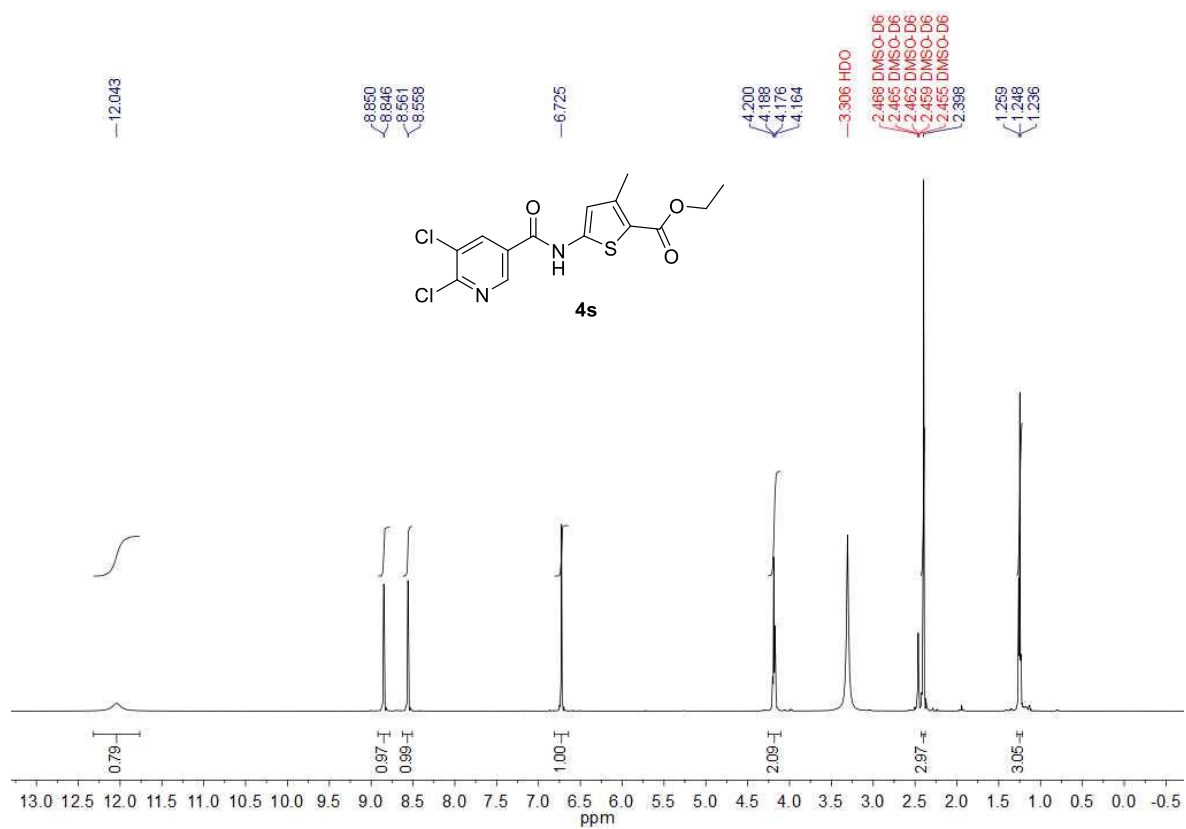




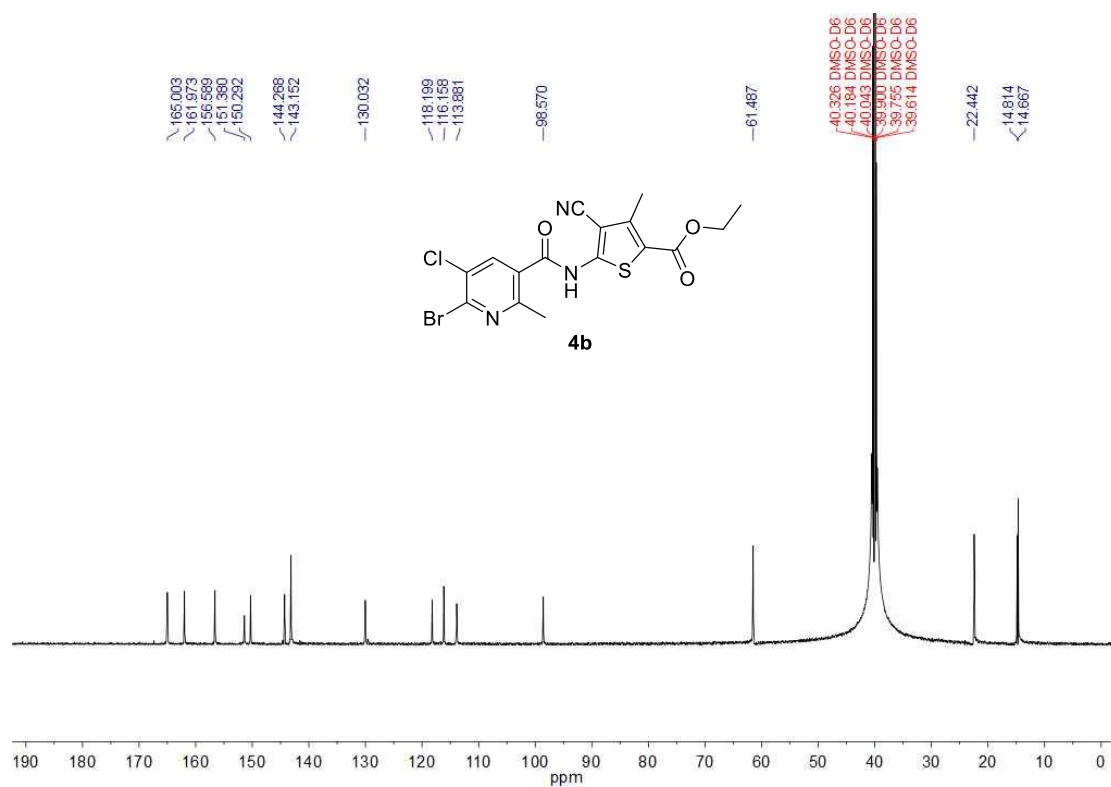
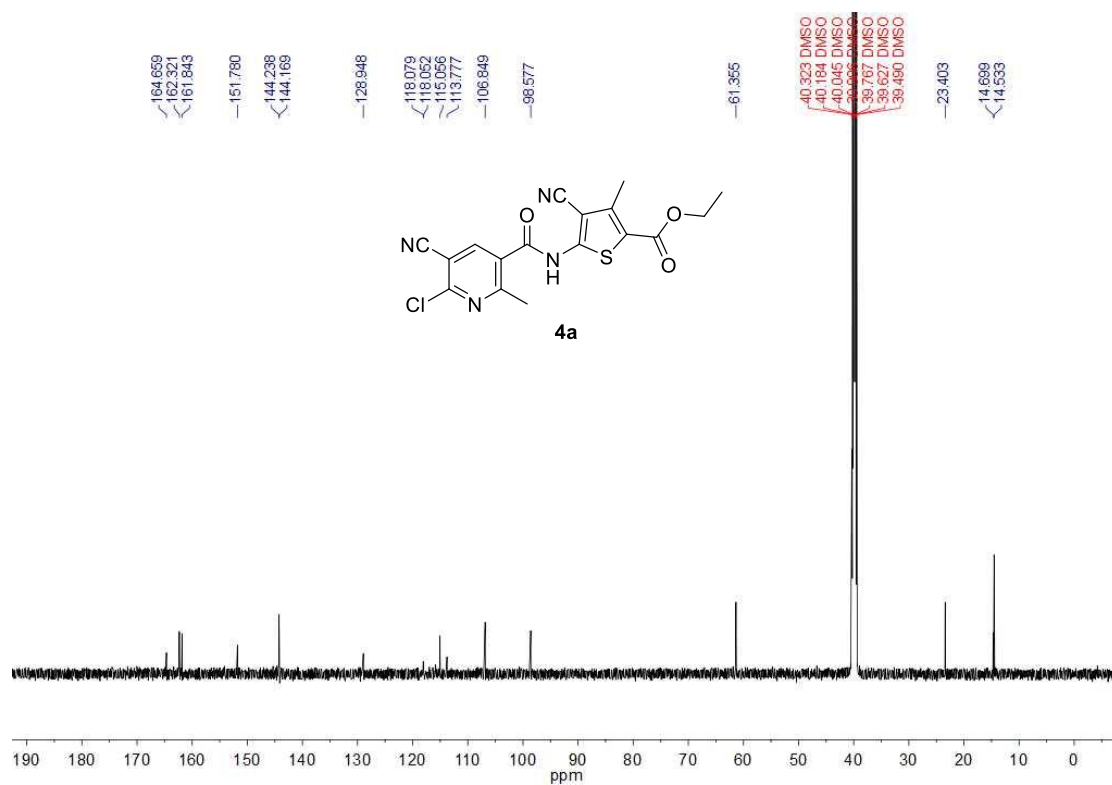


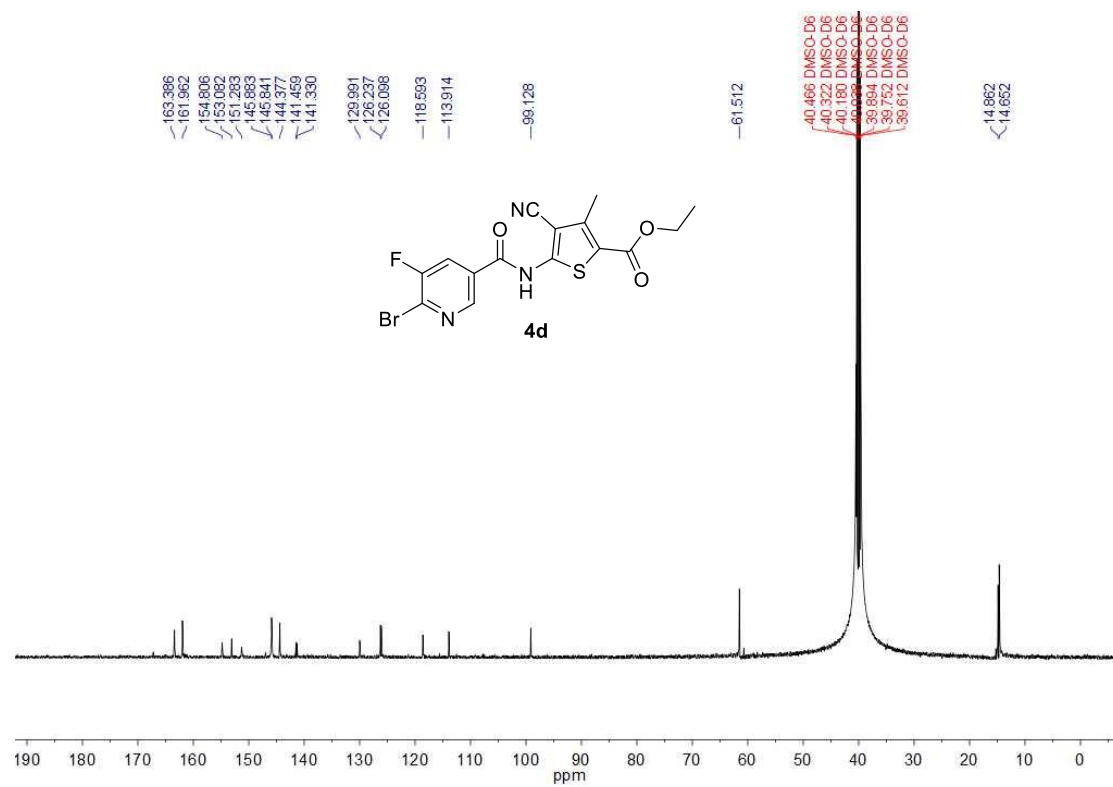
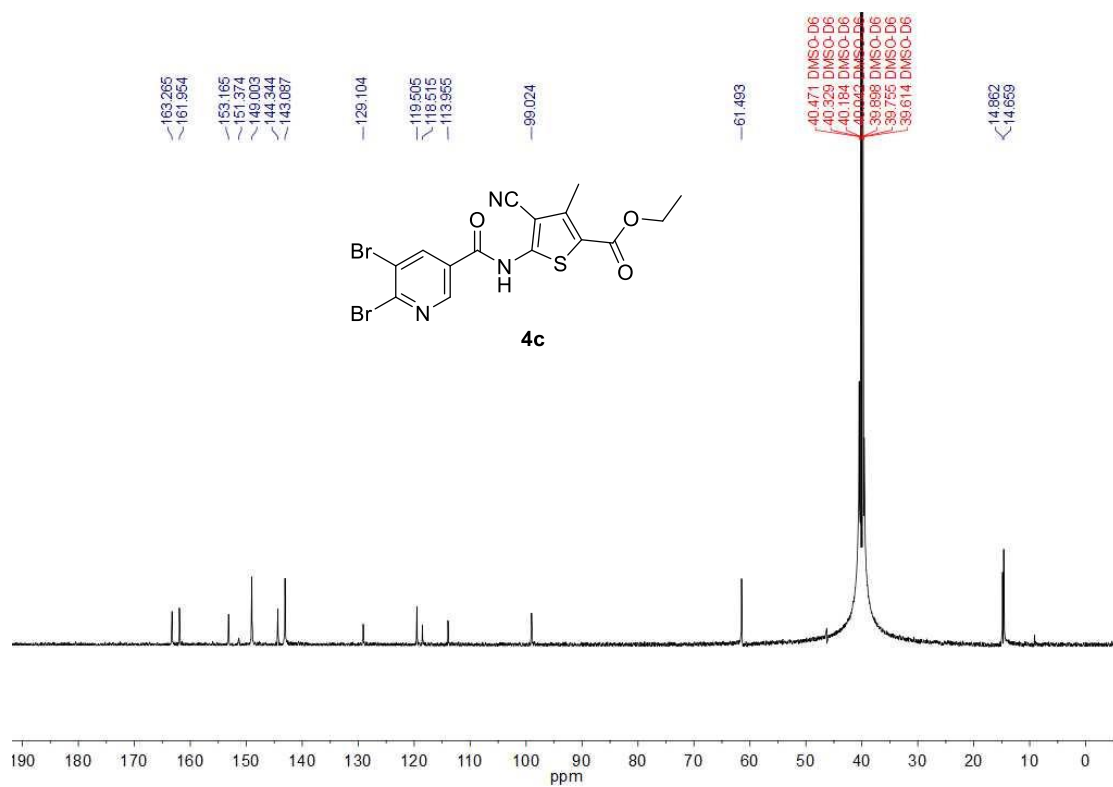


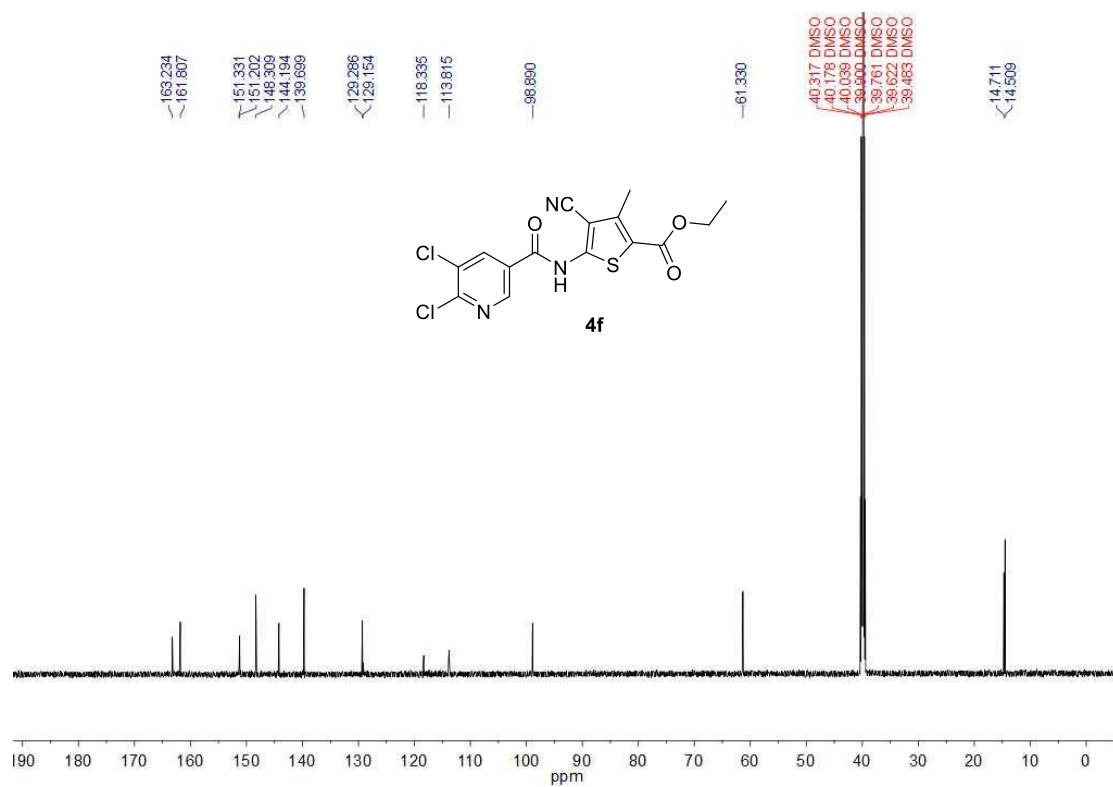
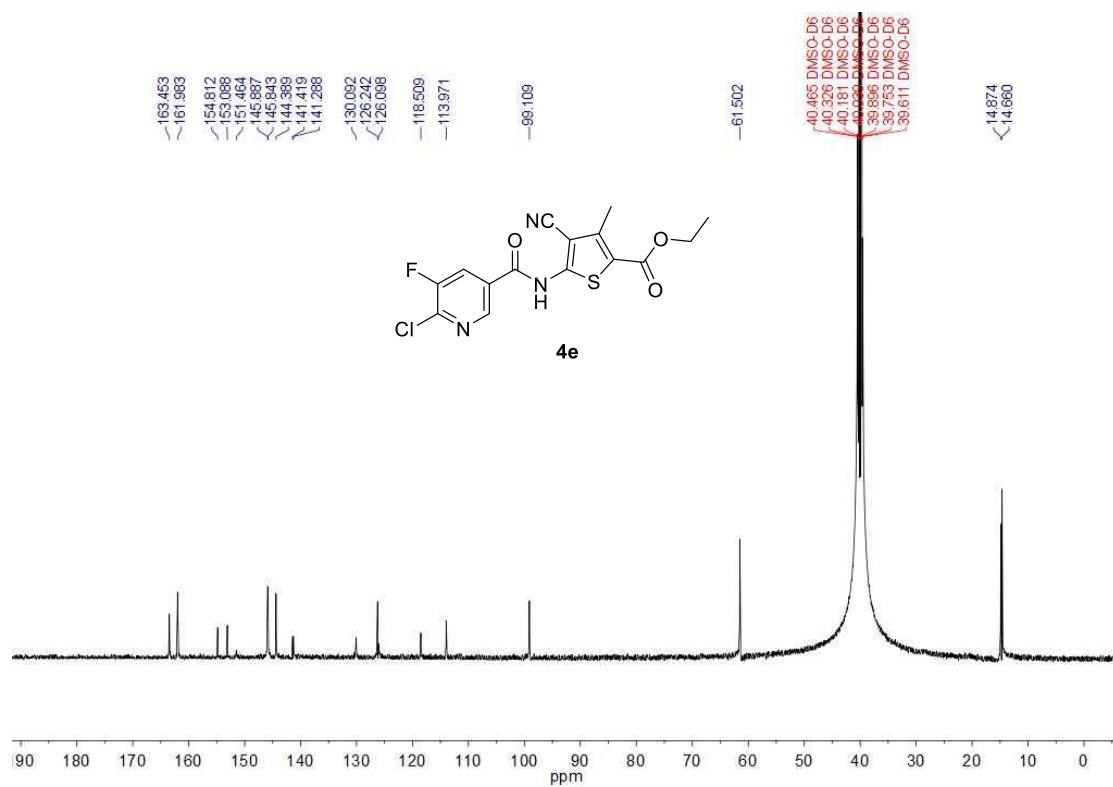


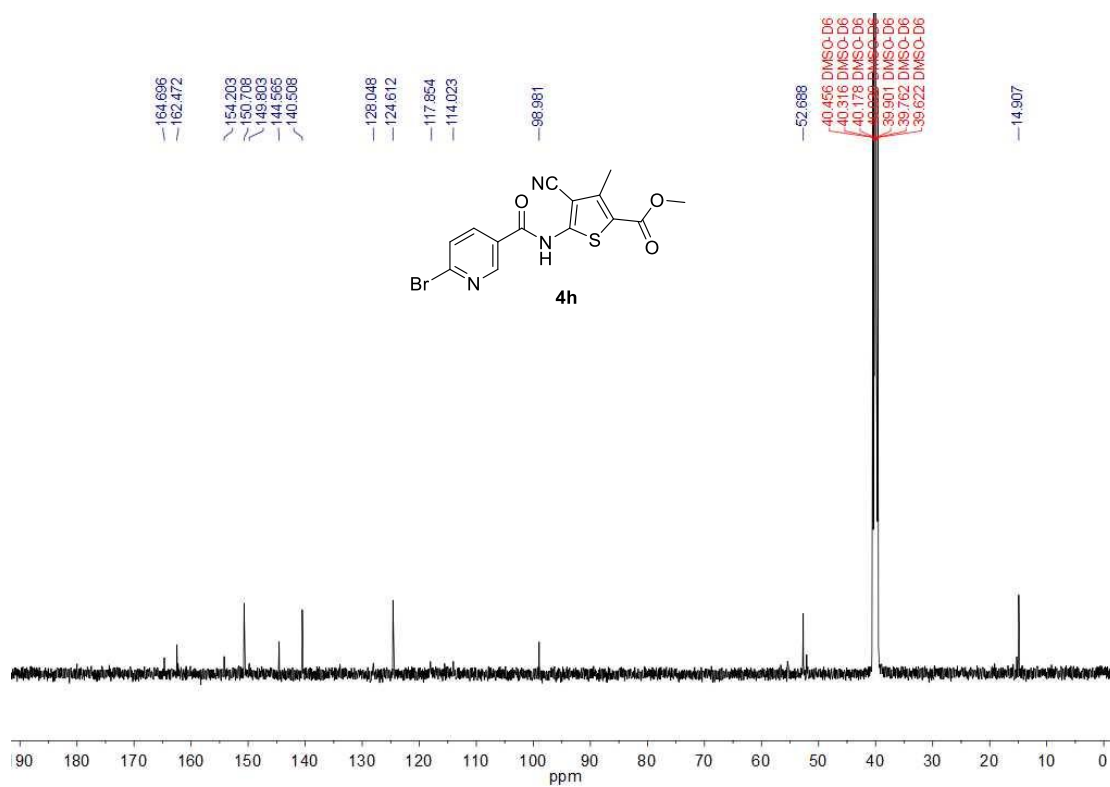
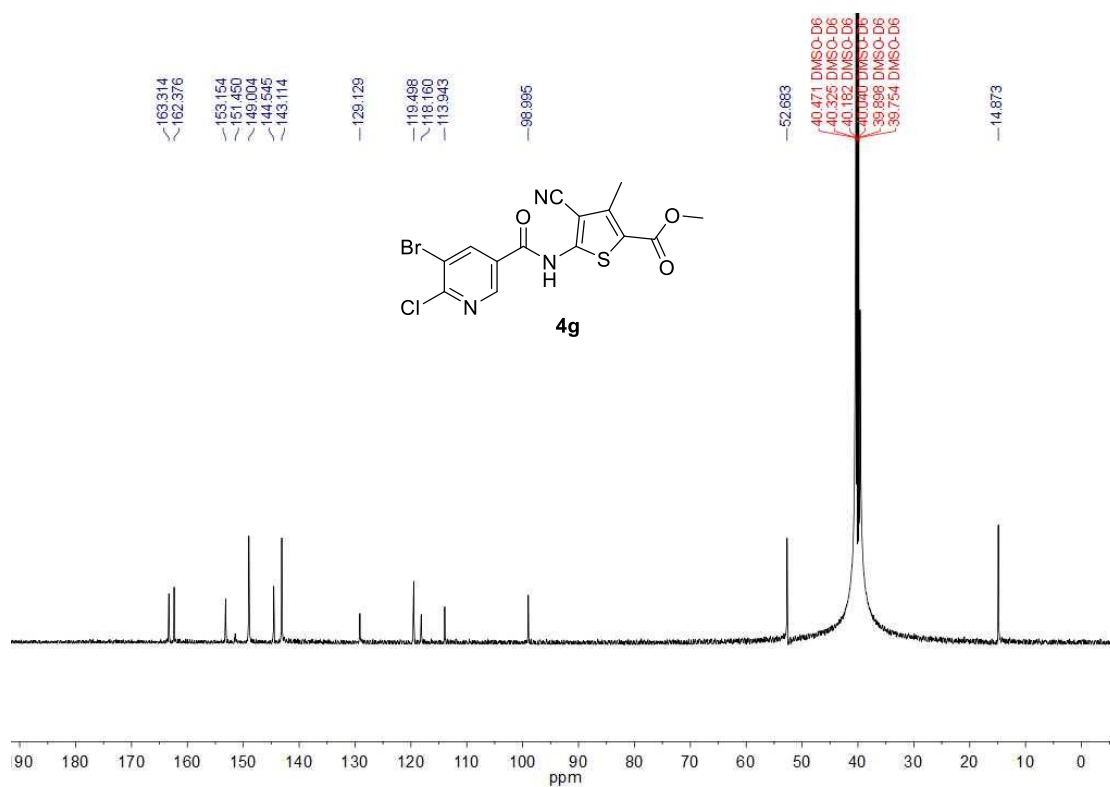


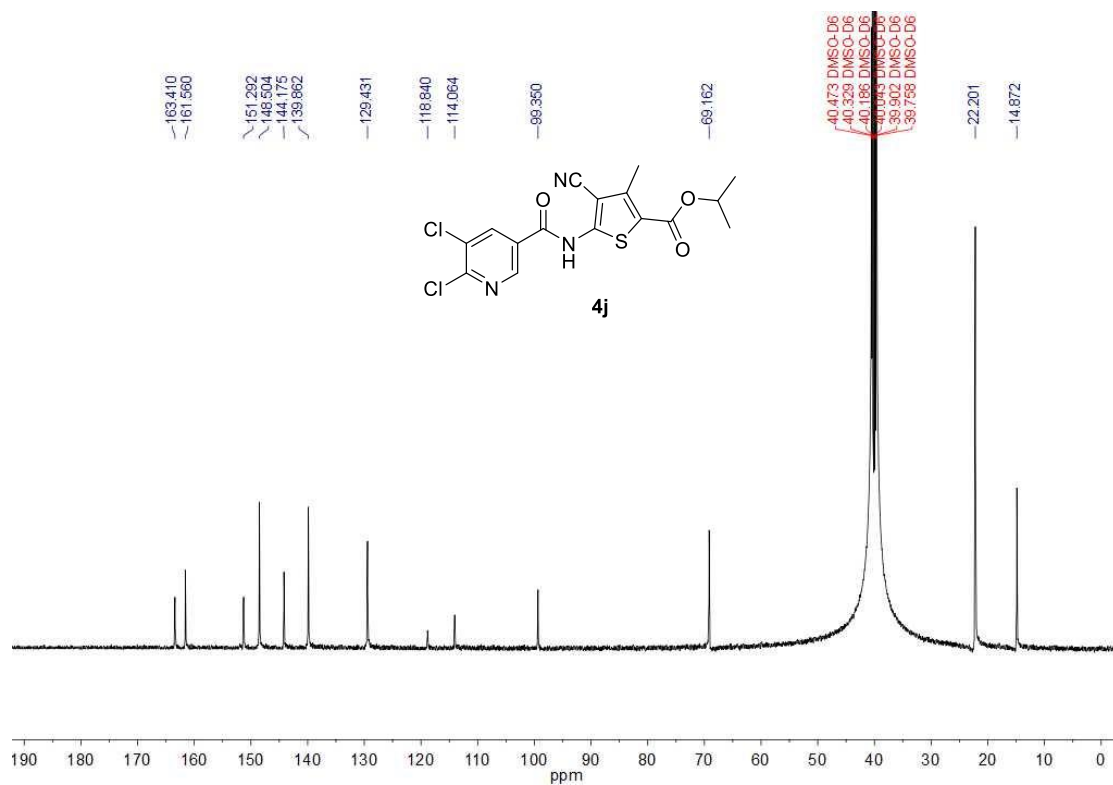
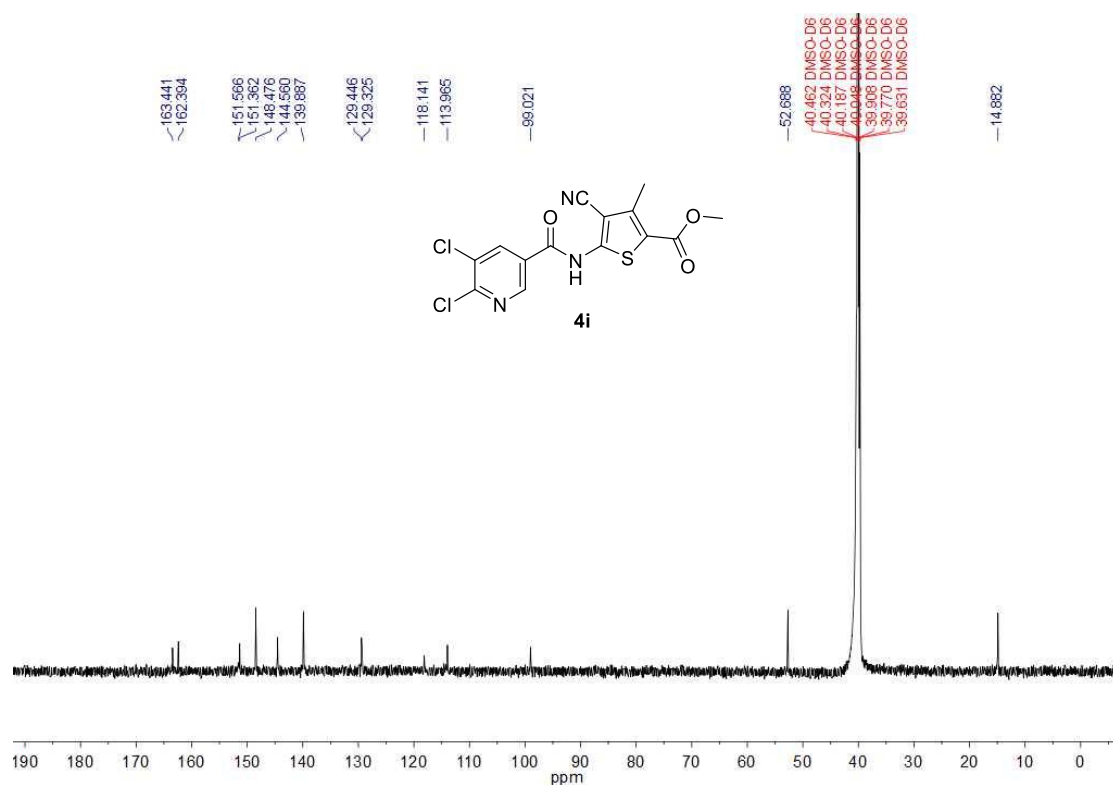
¹³C NMR SPECTRAL GRAPH

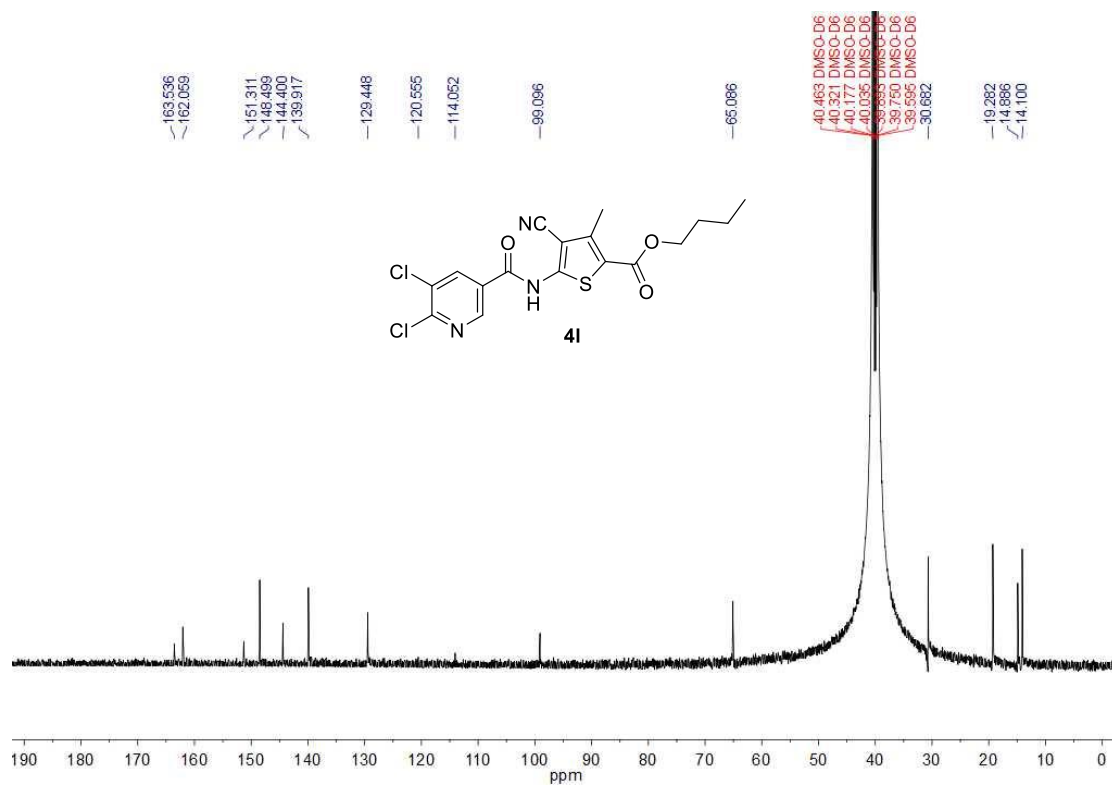
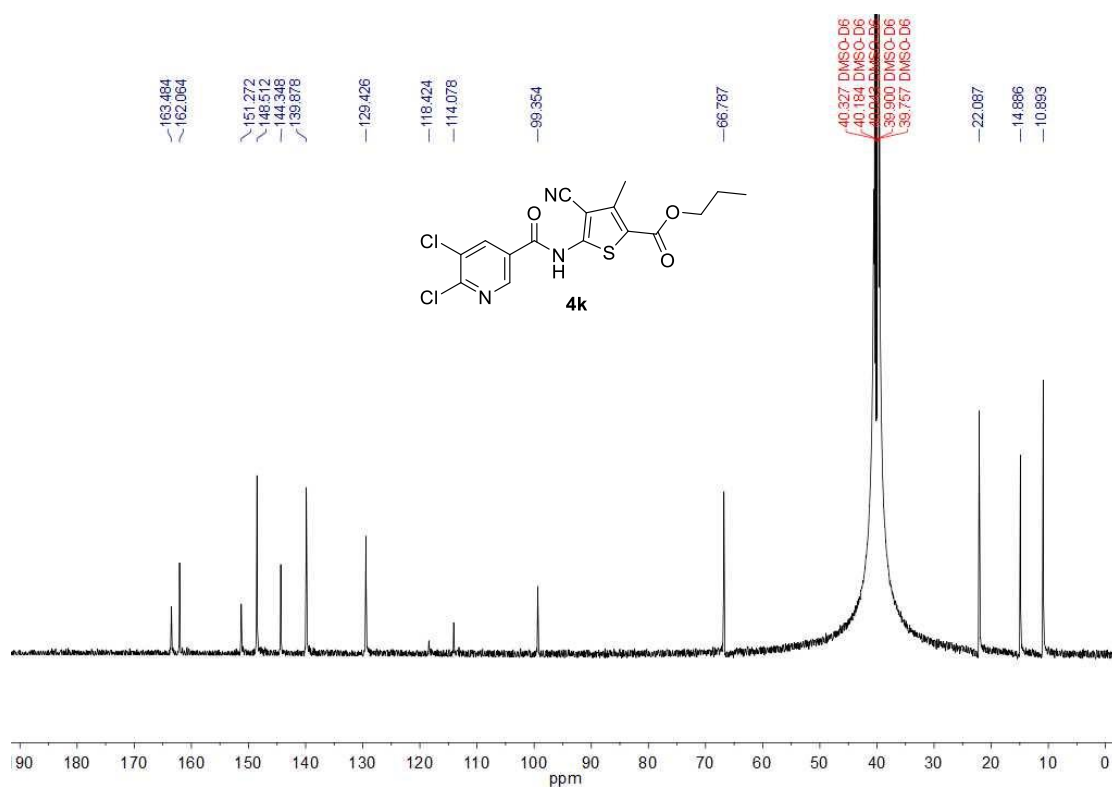


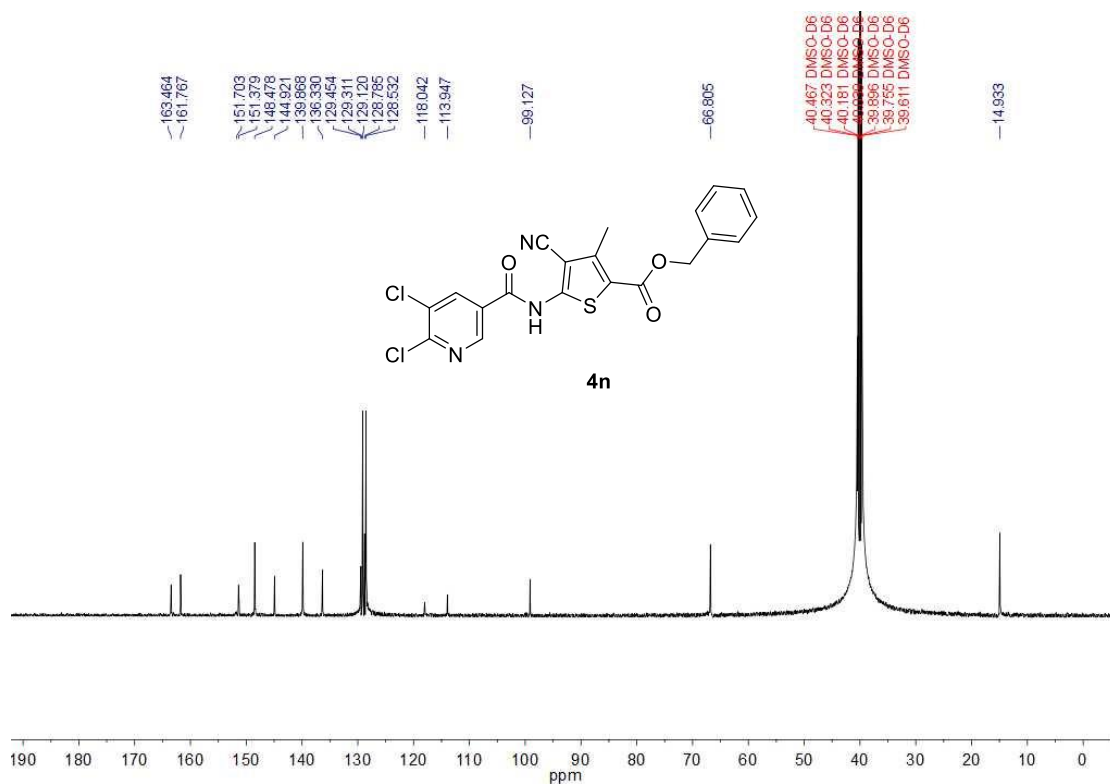
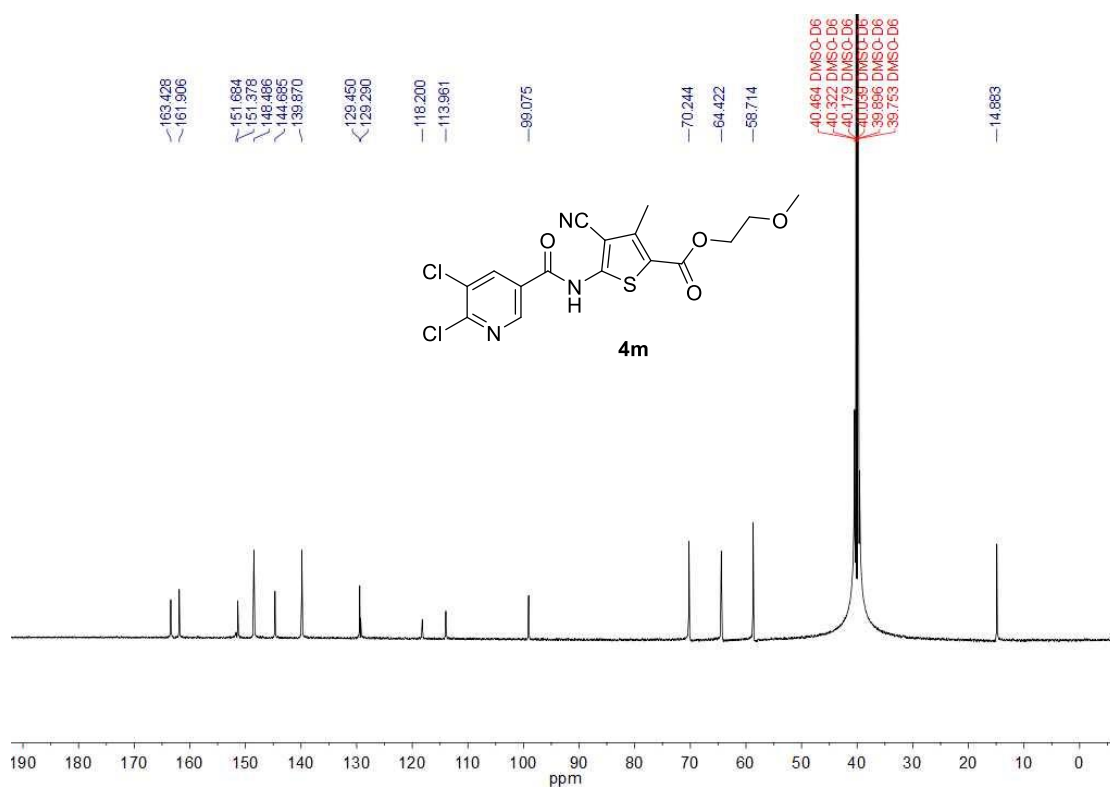


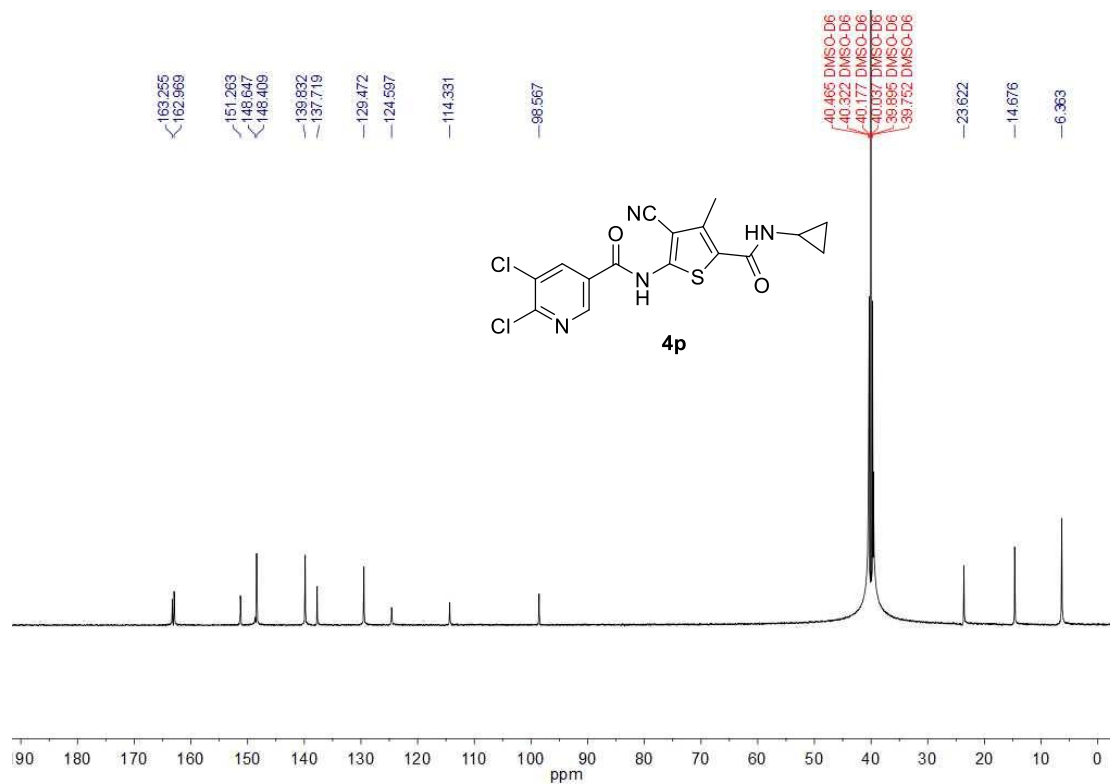
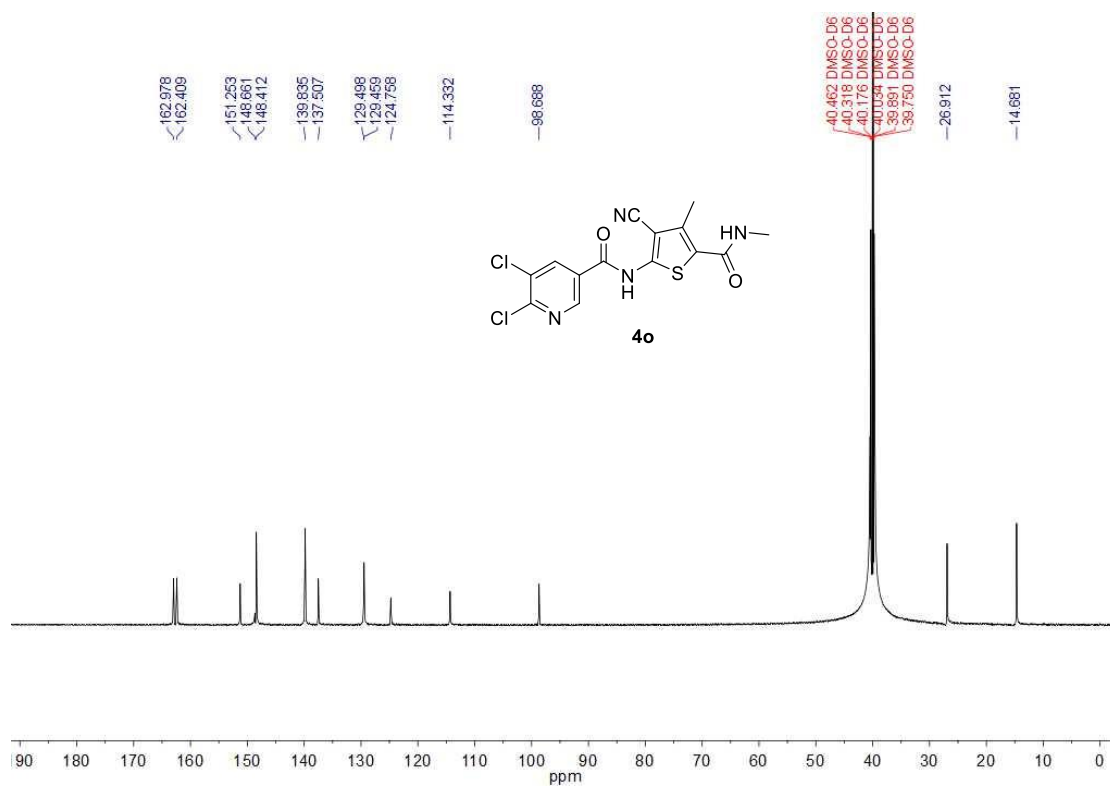


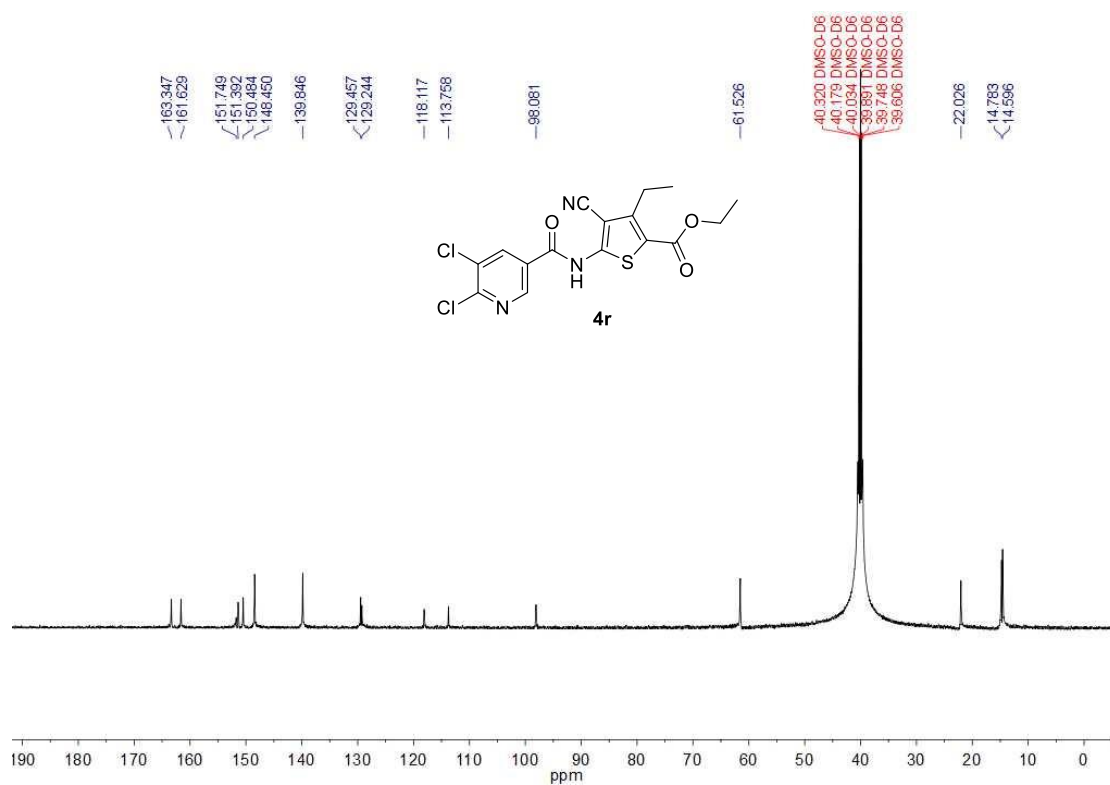
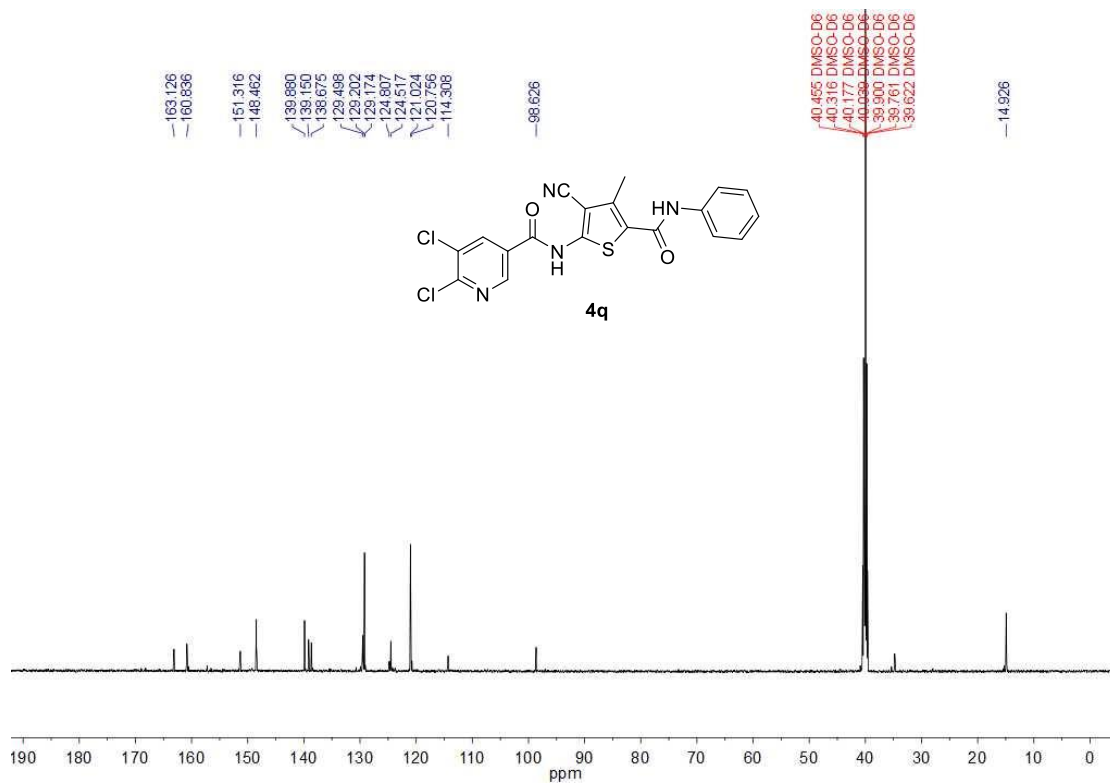


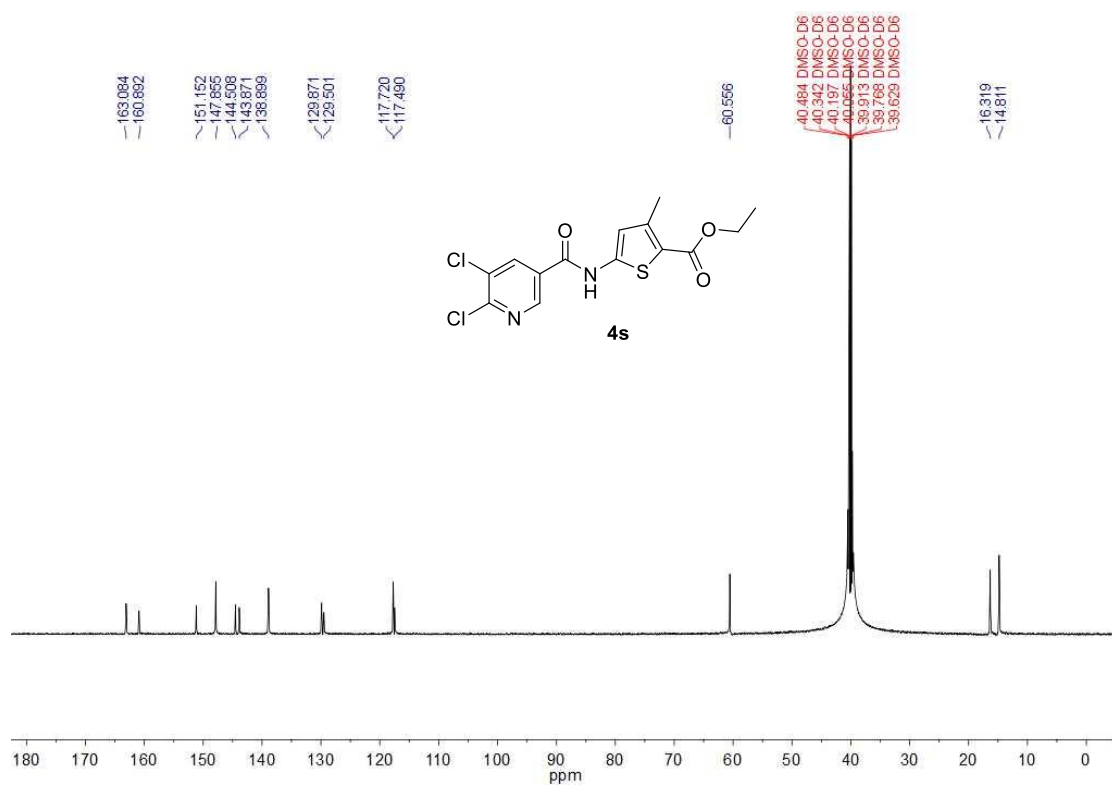












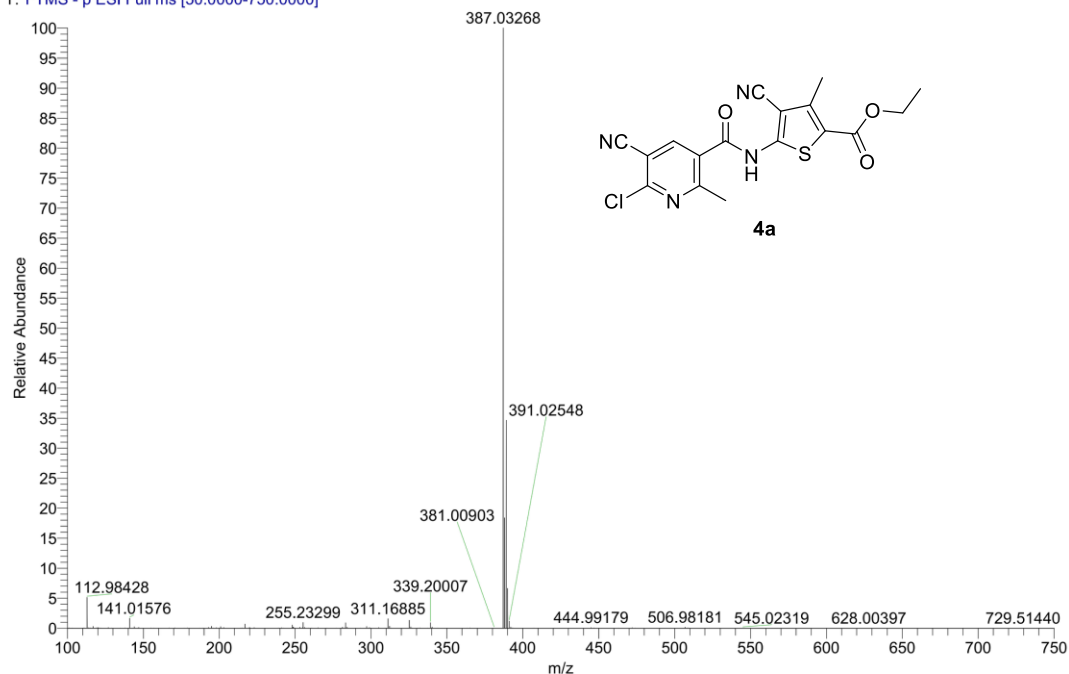
HR-MS SPECTRAL GRAPH

D:\Data\XY\20211201\WHF-4H

12/01/21 10:51:01

WHF-4H

WHF-4H #144 RT: 1.37 AV: 1 NL: 9.31E8
T: FTMS - p ESI Full ms [50.0000-750.0000]

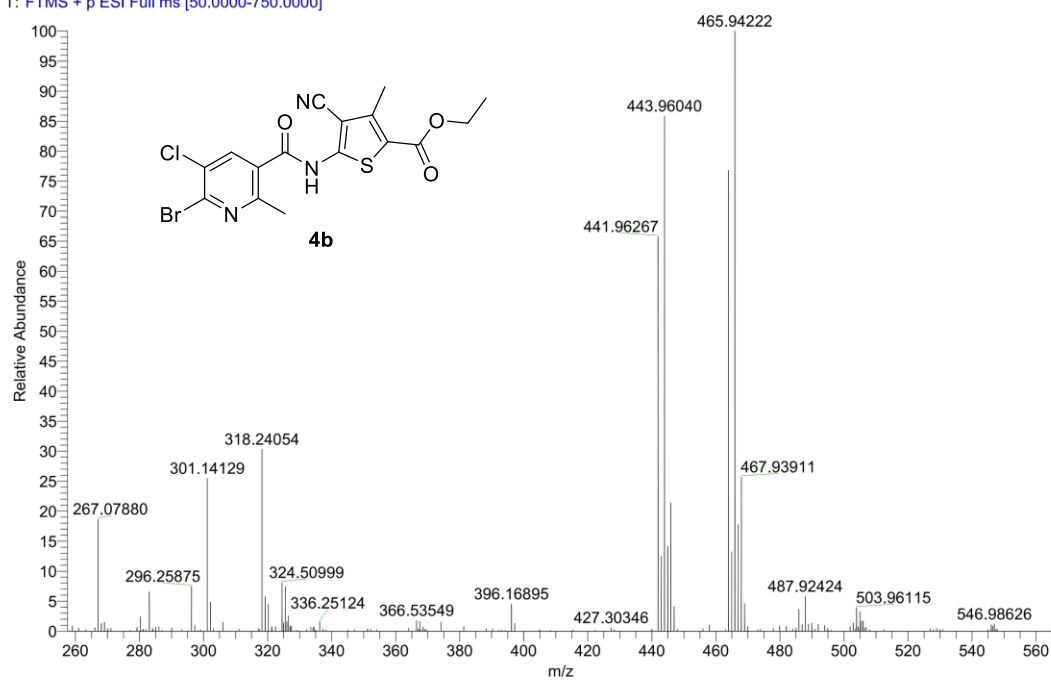


D:\Data\XY\20211105\WHF-4I

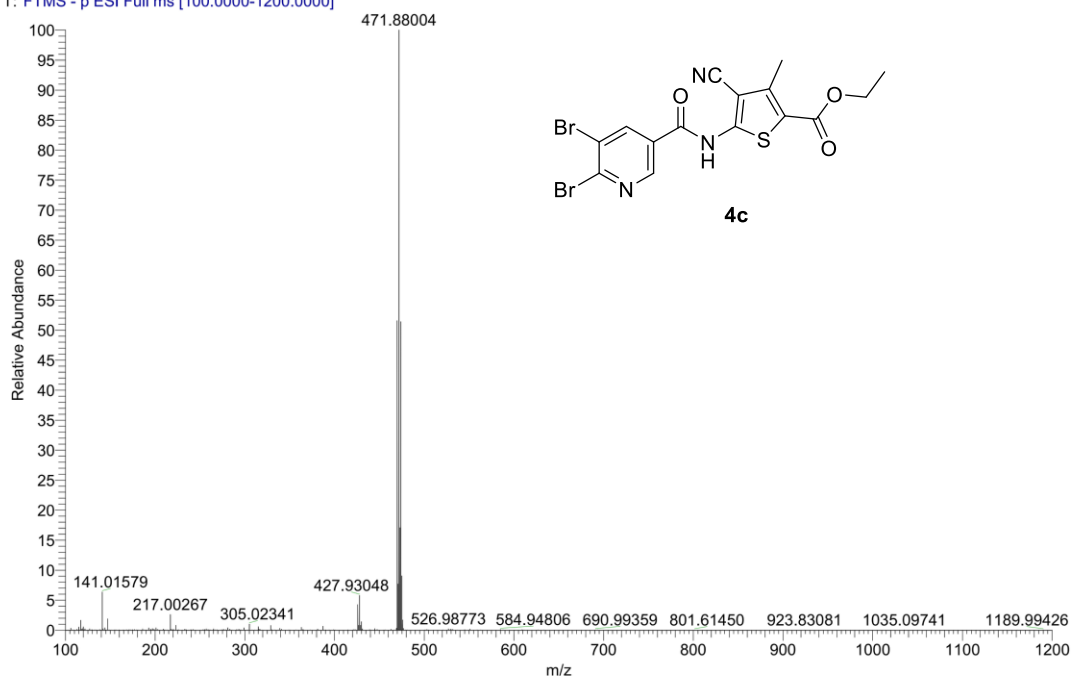
11/05/21 12:37:46

WHF-4I

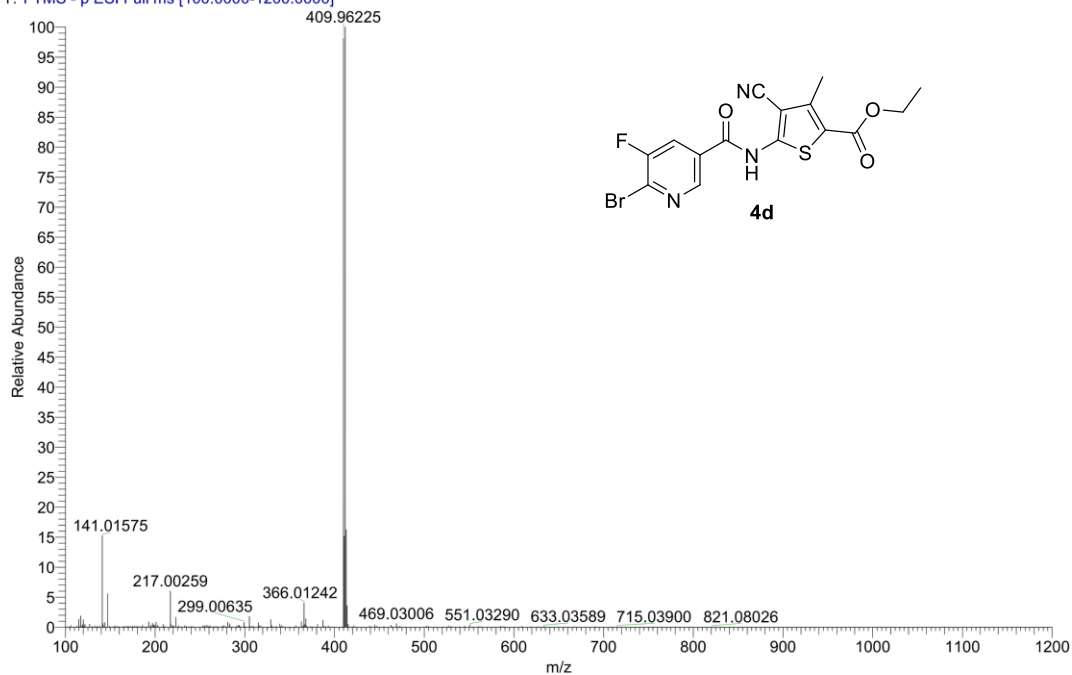
WHF-4I #171 RT: 1.64 AV: 1 SB: 101 0.23-1.03, 1.59-2.72 NL: 6.53E7
T: FTMS + p ESI Full ms [50.0000-750.0000]



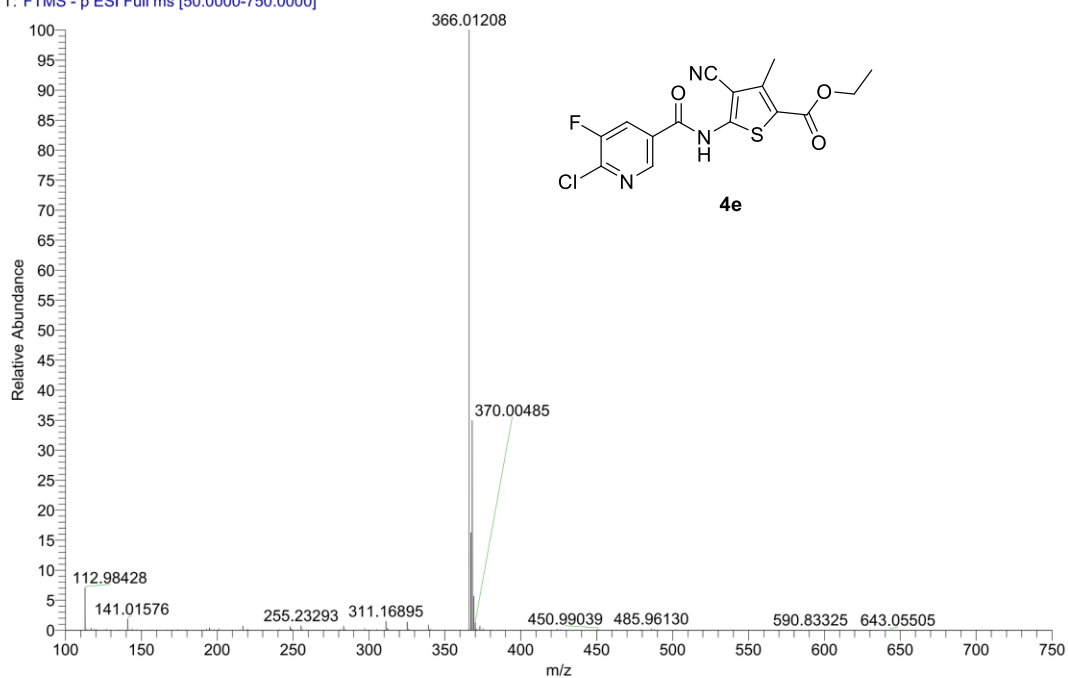
WHF0671 #1230 RT: 11.98 AV: 1 NL: 2.21E8
T: FTMS - p ESI Full ms [100.0000-1200.0000]



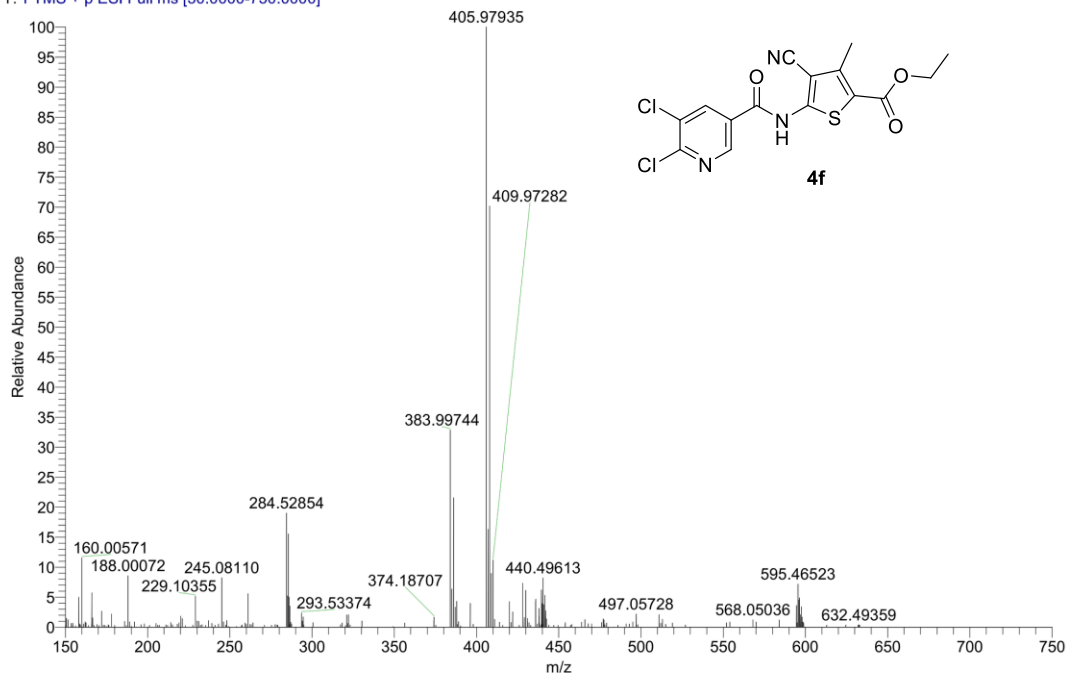
WHF0672 #1050 RT: 10.24 AV: 1 NL: 1.24E8
T: FTMS - p ESI Full ms [100.0000-1200.0000]



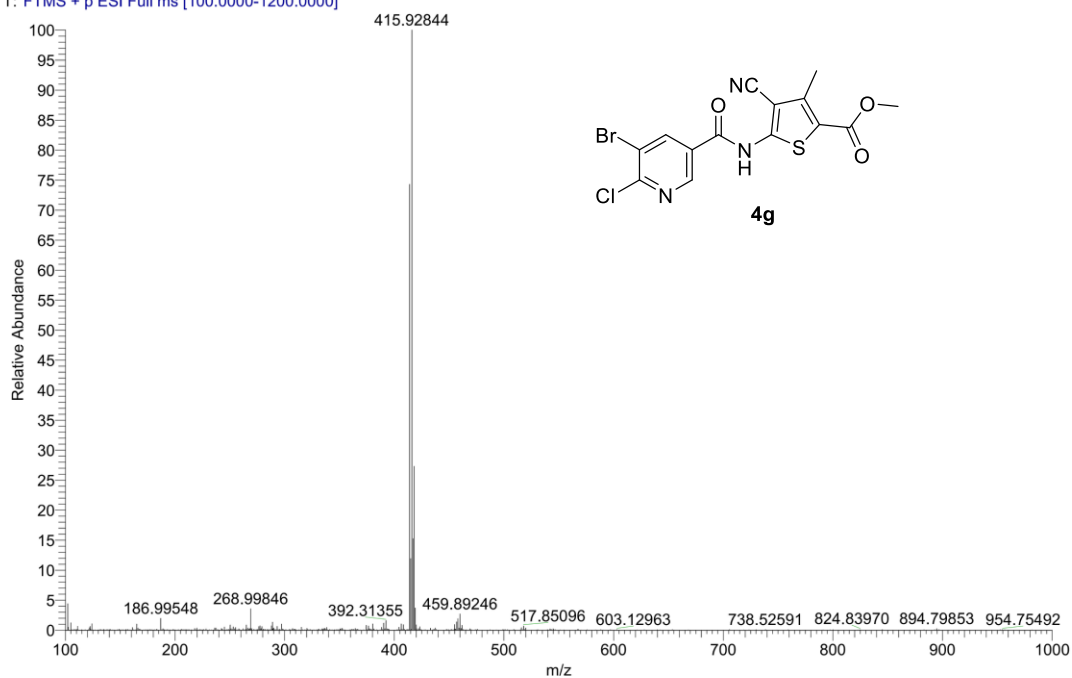
WHF-4E #158 RT: 1.51 AV: 1 NL: 8.46E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



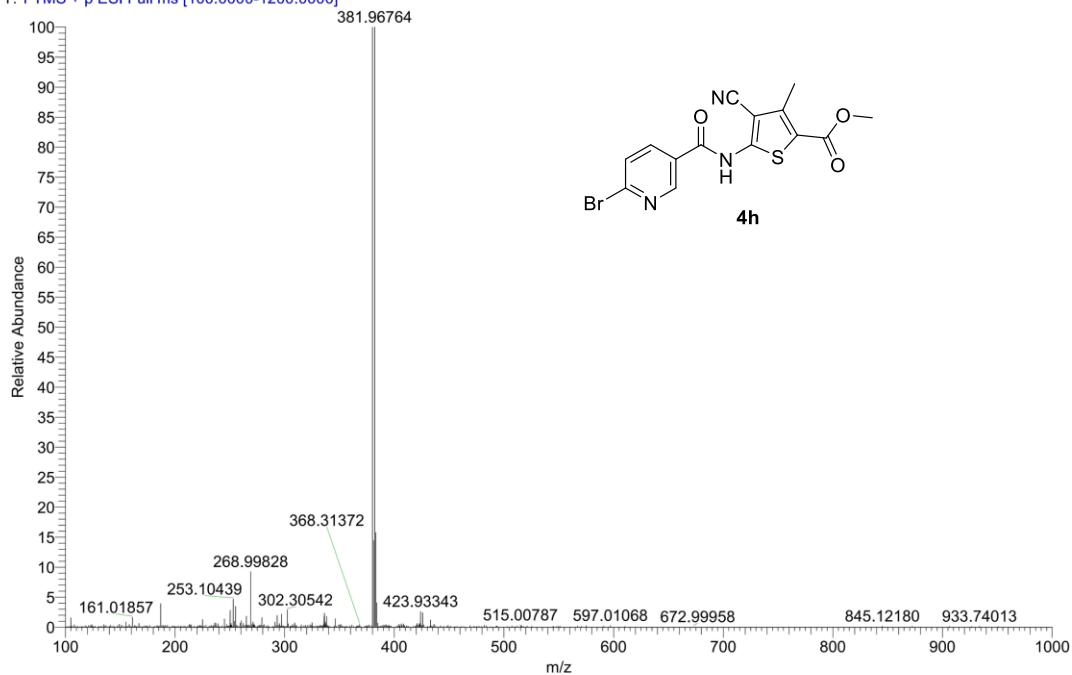
WHF-4C-1 #173 RT: 1.66 AV: 1 SB: 102 0.23-1.03, 1.59-2.72 NL: 5.49E7
T: FTMS + p ESI Full ms [50.0000-750.0000]



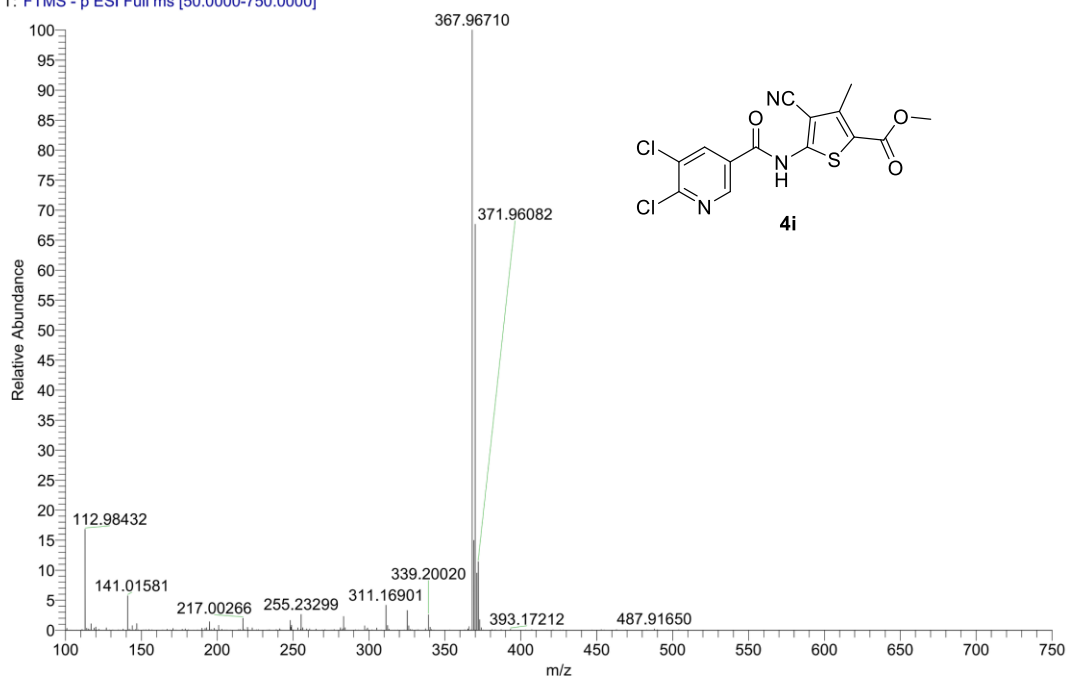
WHF0669 #1003 RT: 9.76 AV: 1 SB: 99 0.23-1.03 , 1.59-2.72 NL: 4.91E7
T: FTMS + p ESI Full ms [100.0000-1200.0000]



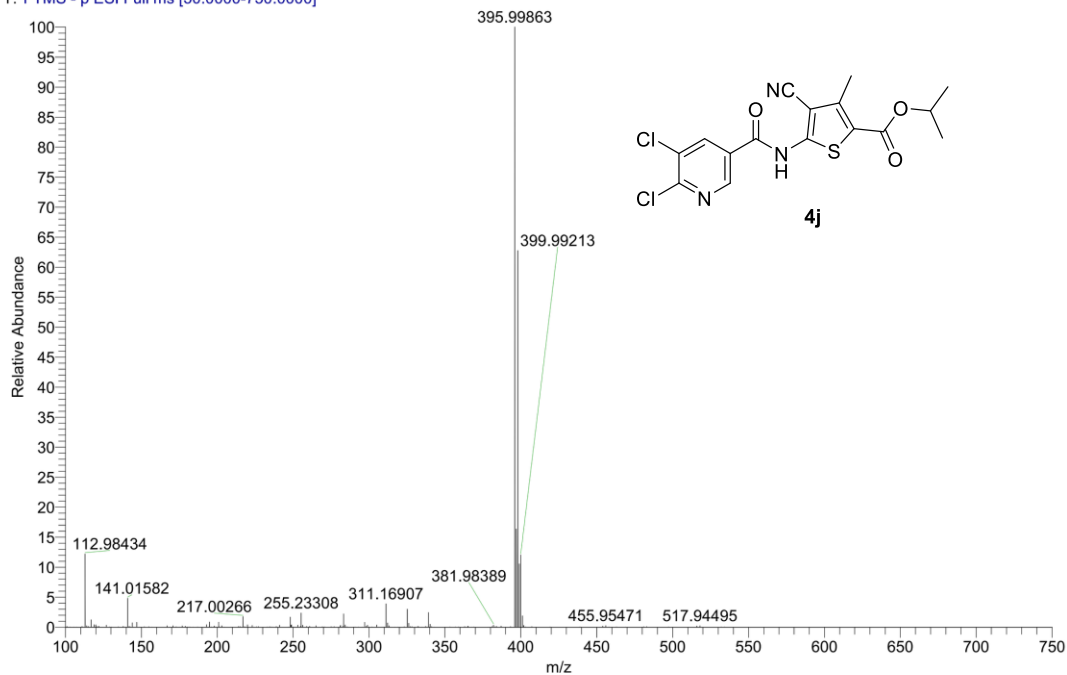
WHF0670 #677 RT: 6.59 AV: 1 SB: 100 0.23-1.04 , 1.59-2.72 NL: 1.77E7
T: FTMS + p ESI Full ms [100.0000-1200.0000]



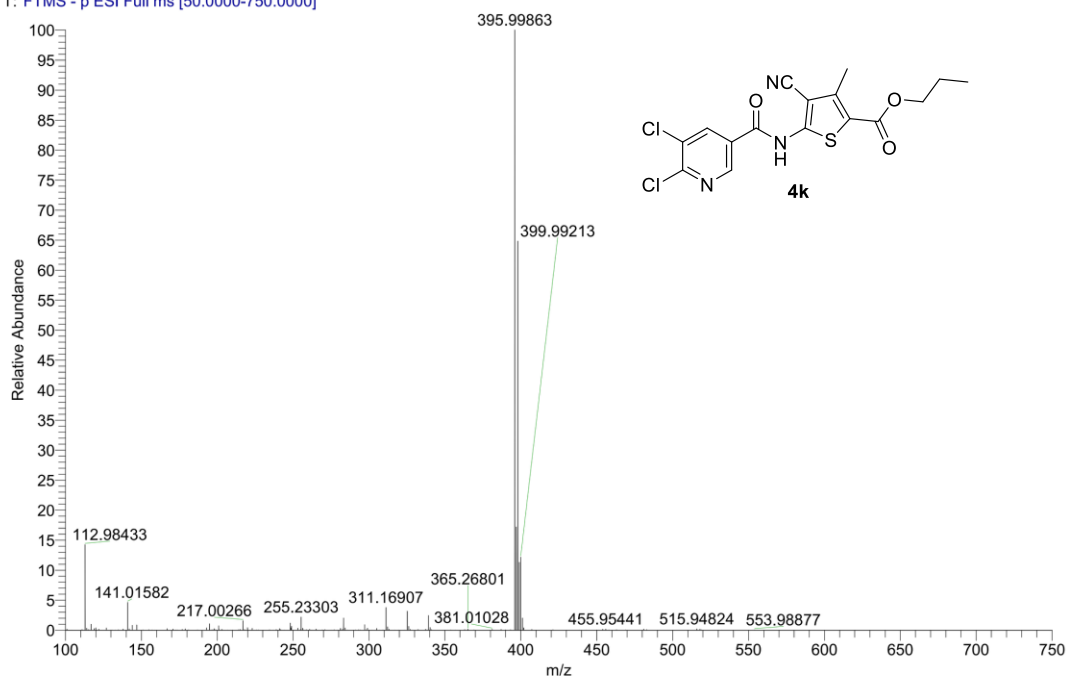
WHF-6A #164 RT: 1.57 AV: 1 NL: 4.12E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



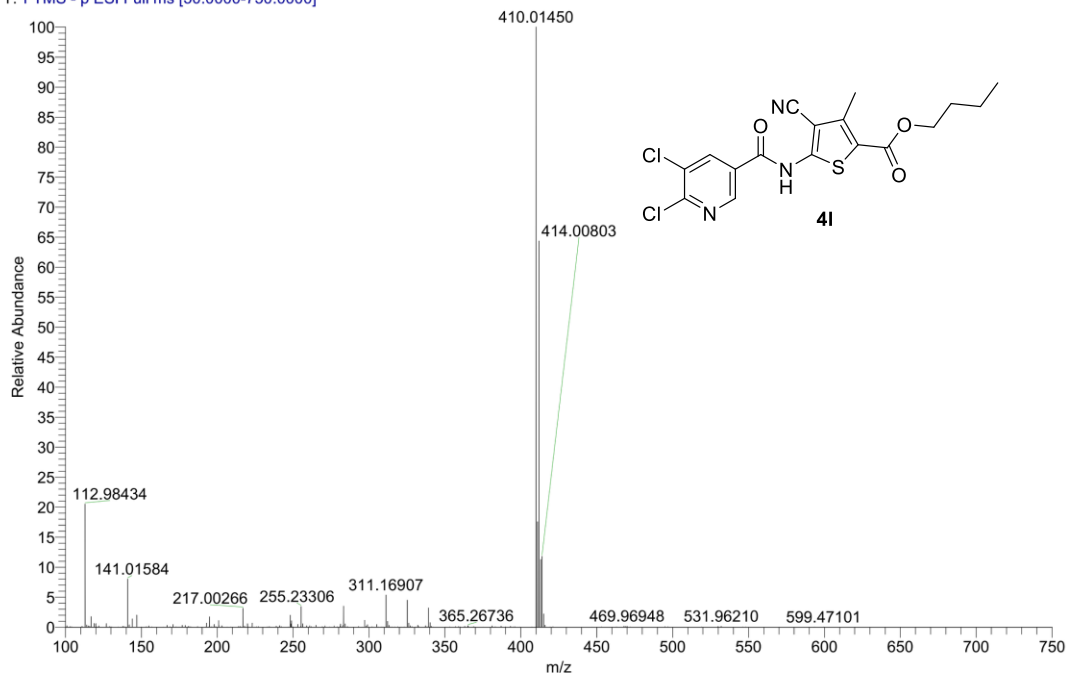
WHF-6B #188 RT: 1.80 AV: 1 NL: 4.19E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



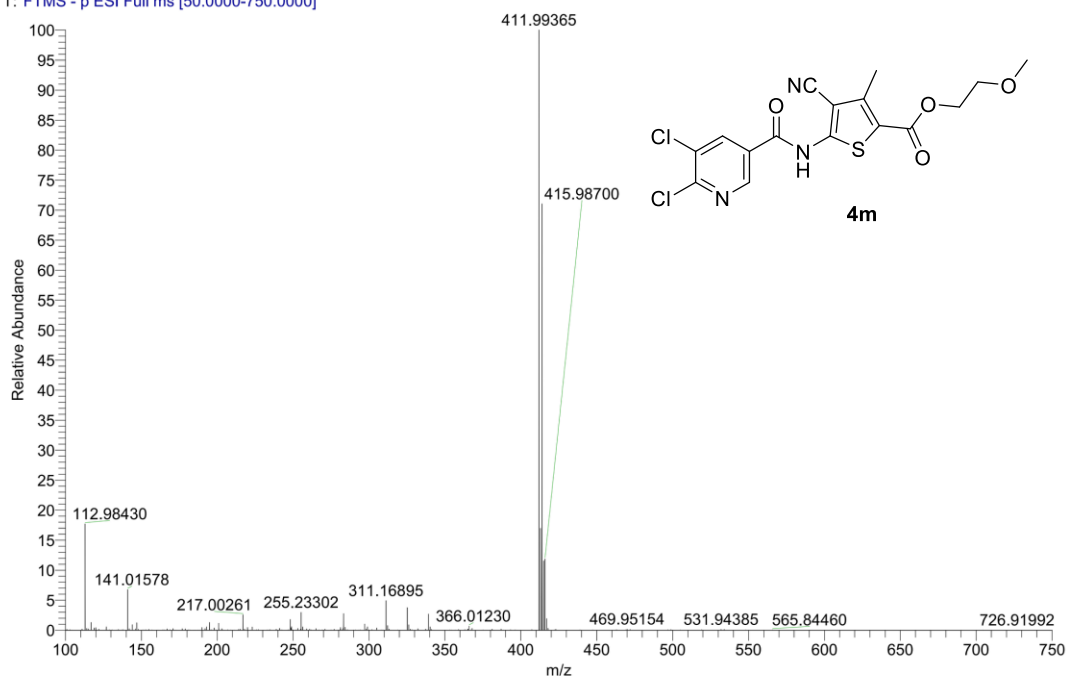
WHF-6C #196 RT: 1.87 AV: 1 NL: 4.37E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



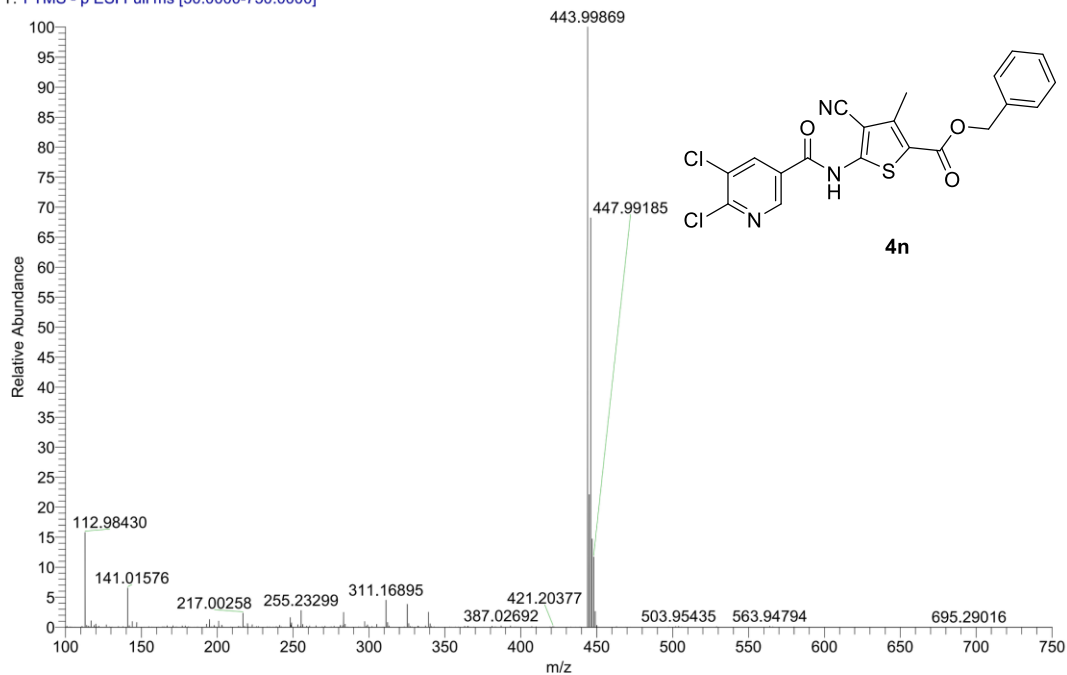
WHF-6D #224 RT: 2.14 AV: 1 NL: 3.11E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



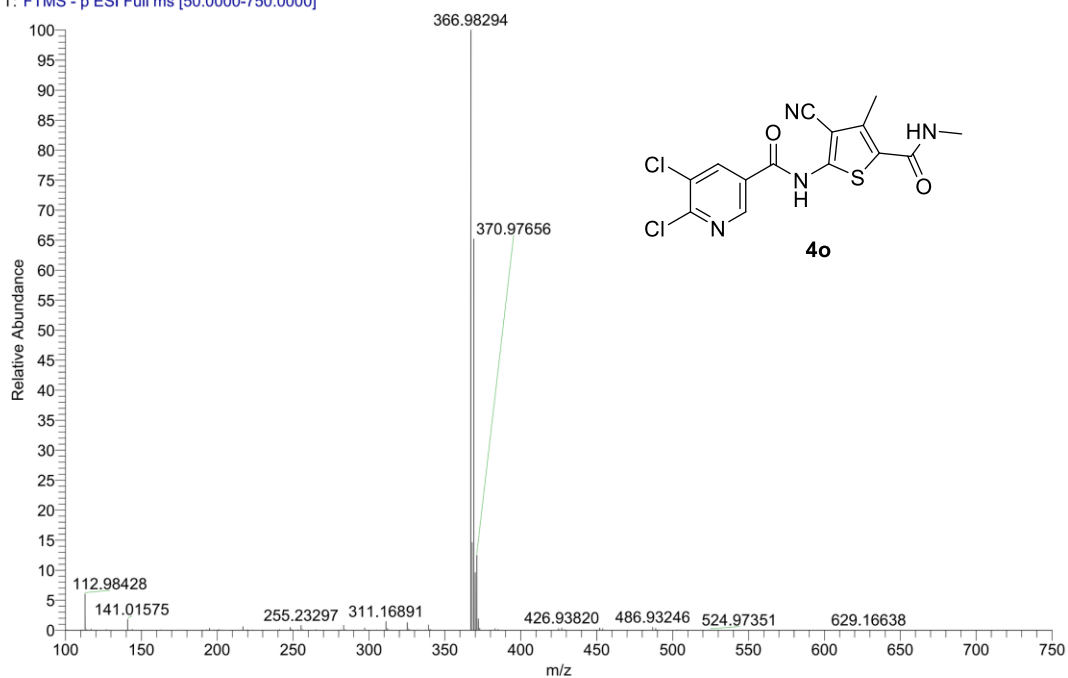
WHF-6E #160 RT: 1.53 AV: 1 NL: 3.38E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



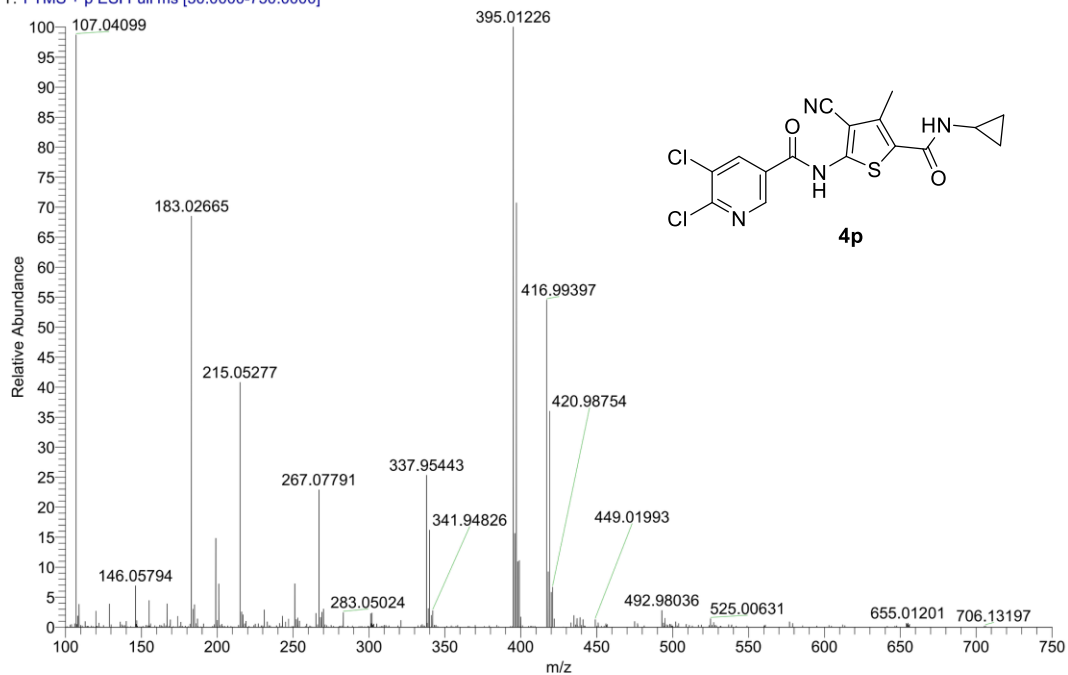
WHF-6F #212 RT: 2.03 AV: 1 NL: 3.82E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



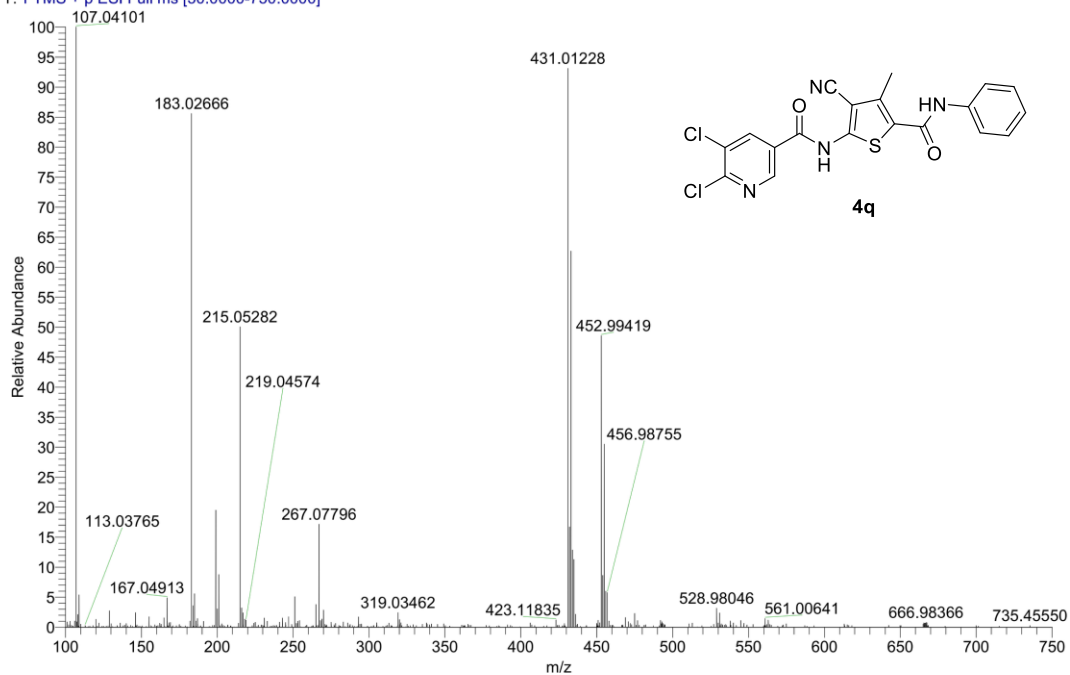
WHF-6G #132 RT: 1.26 AV: 1 NL: 8.73E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



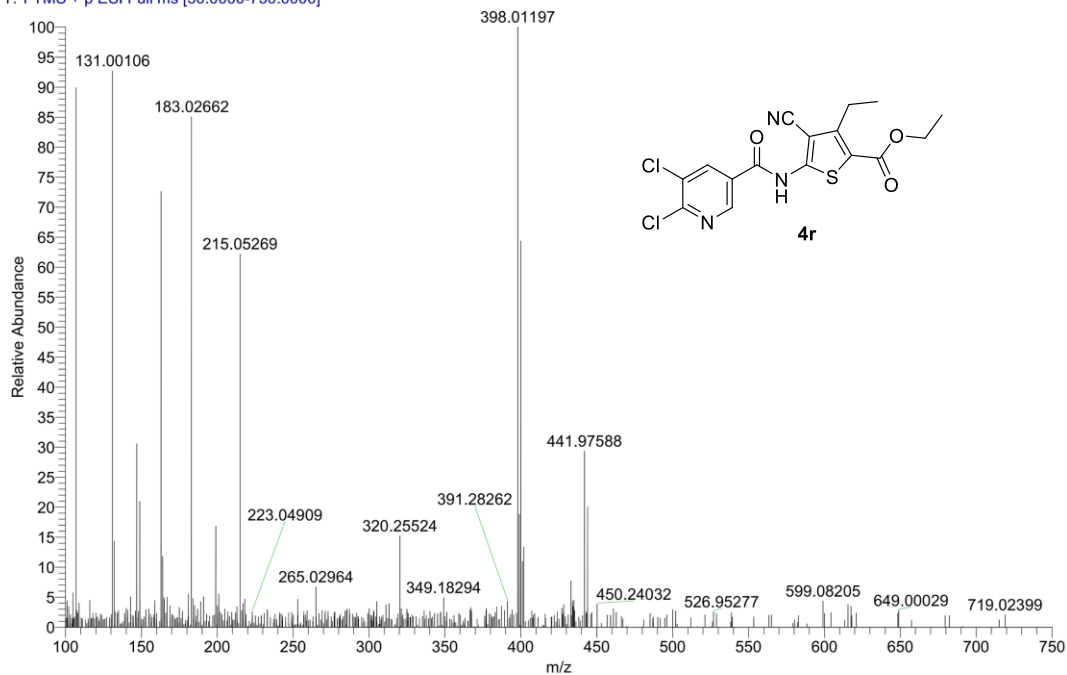
WHF-6H #137 RT: 1.31 AV: 1 SB: 102 0.23-1.03, 1.59-2.72 NL: 8.09E7
T: FTMS + p ESI Full ms [50.0000-750.0000]



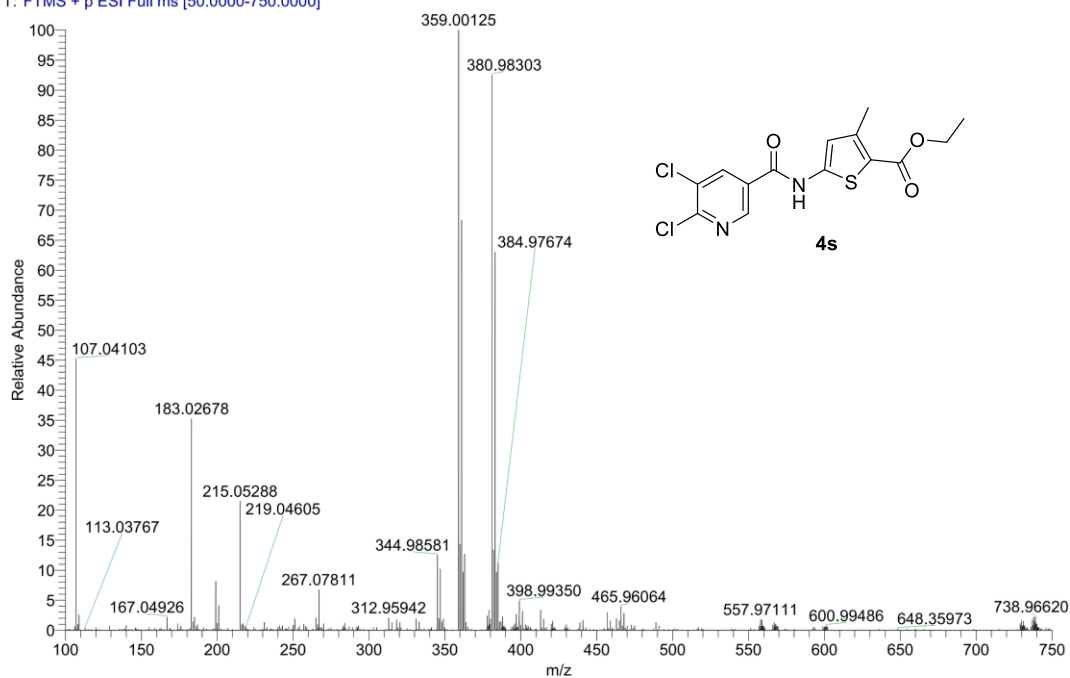
WHF-6I #149 RT: 1.42 AV: 1 SB: 102 0.23-1.03 , 1.59-2.72 NL: 4.44E7
T: FTMS + p ESI Full ms [50.0000-750.0000]



WHF-6J #187 RT: 1.79 AV: 1 SB: 102 0.23-1.03 , 1.59-2.72 NL: 4.26E6
T: FTMS + p ESI Full ms [50.0000-750.0000]



WHF-6K #155 RT: 1.48 AV: 1 SB: 102 0.23-1.03 , 1.59-2.72 NL: 7.78E7
T: FTMS + p ESI Full ms [50.0000-750.0000]



IR SPECTRAL GRAPH OF COMPOUND 4f

