

## Supplementary Materials

Article

# Microwave-assisted sequential one-pot synthesis of 8-substituted pyrazolo[1,5-*a*][1,3,5]triazines

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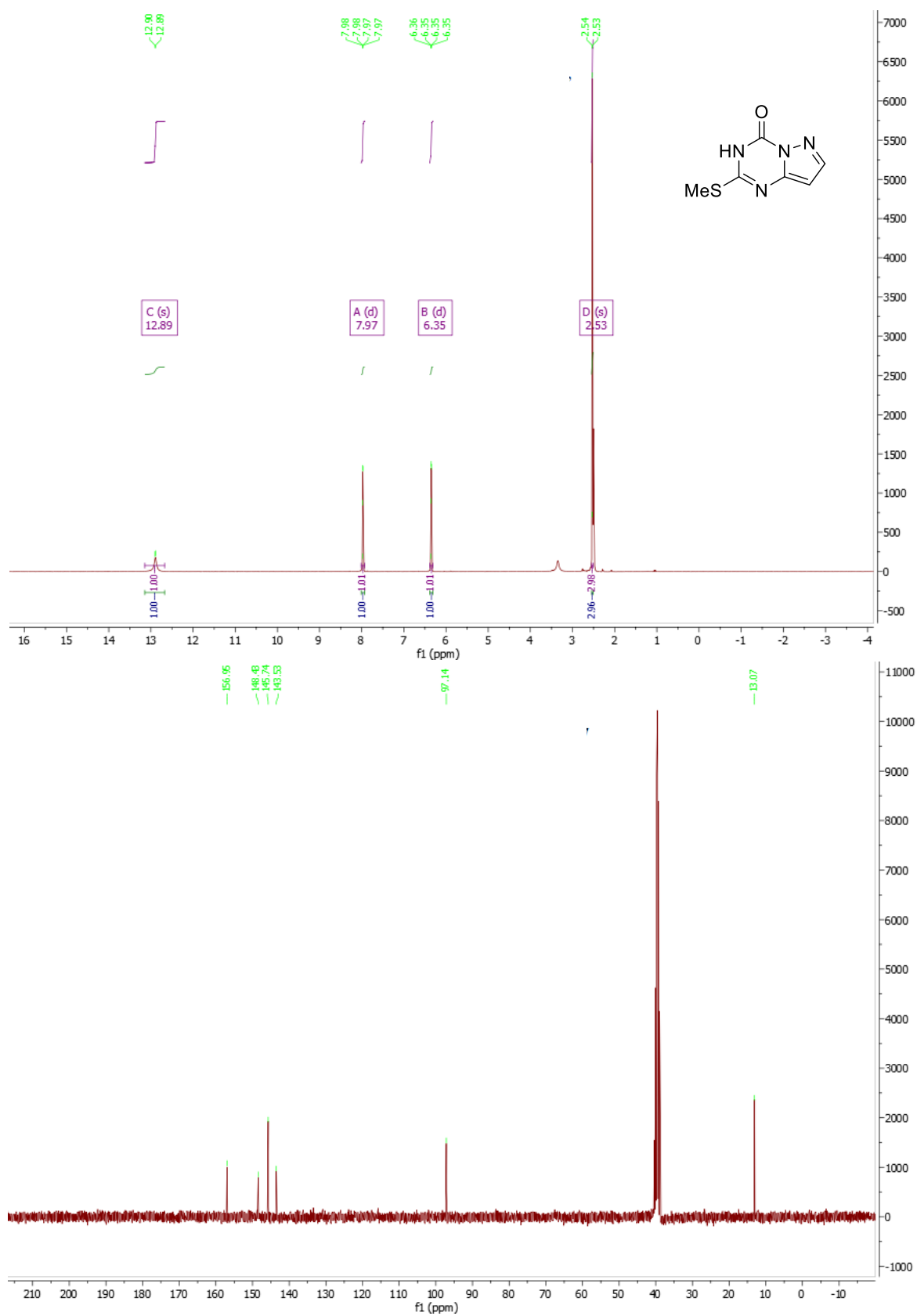
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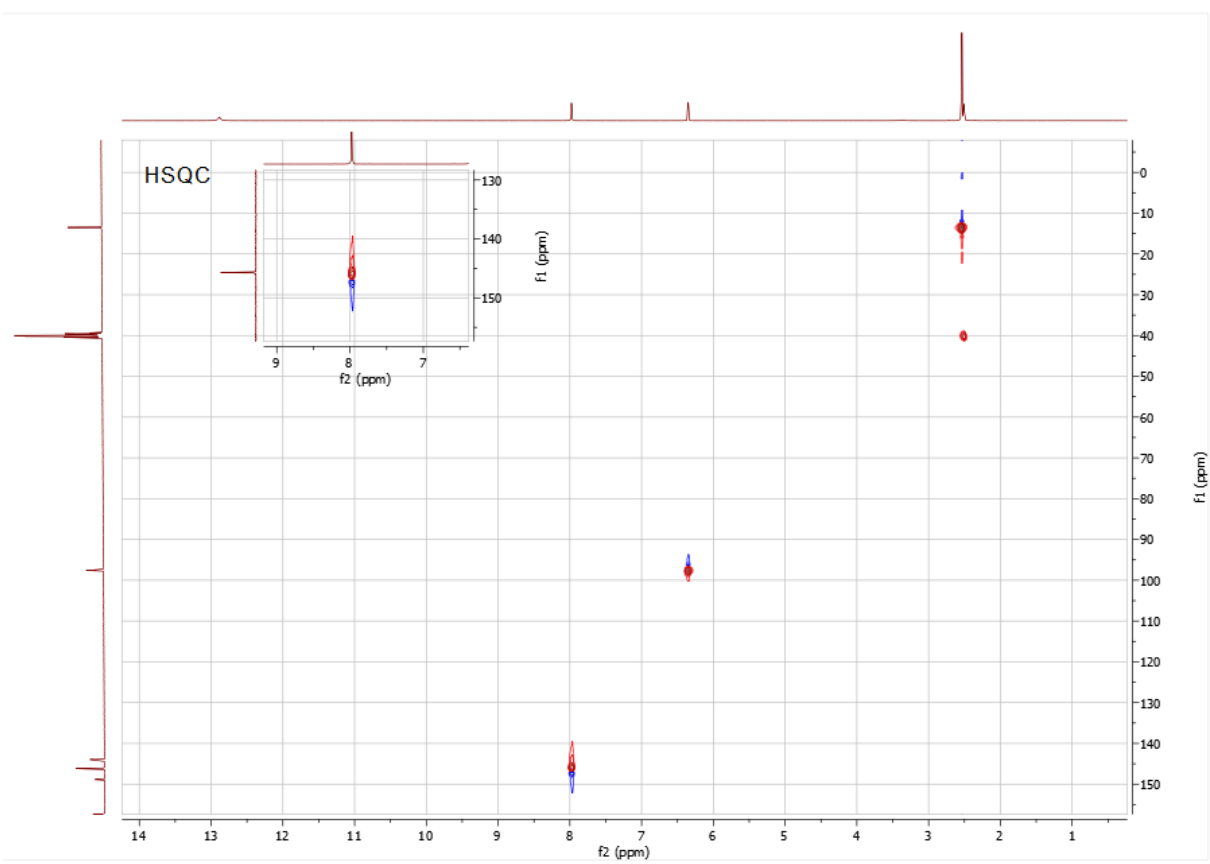
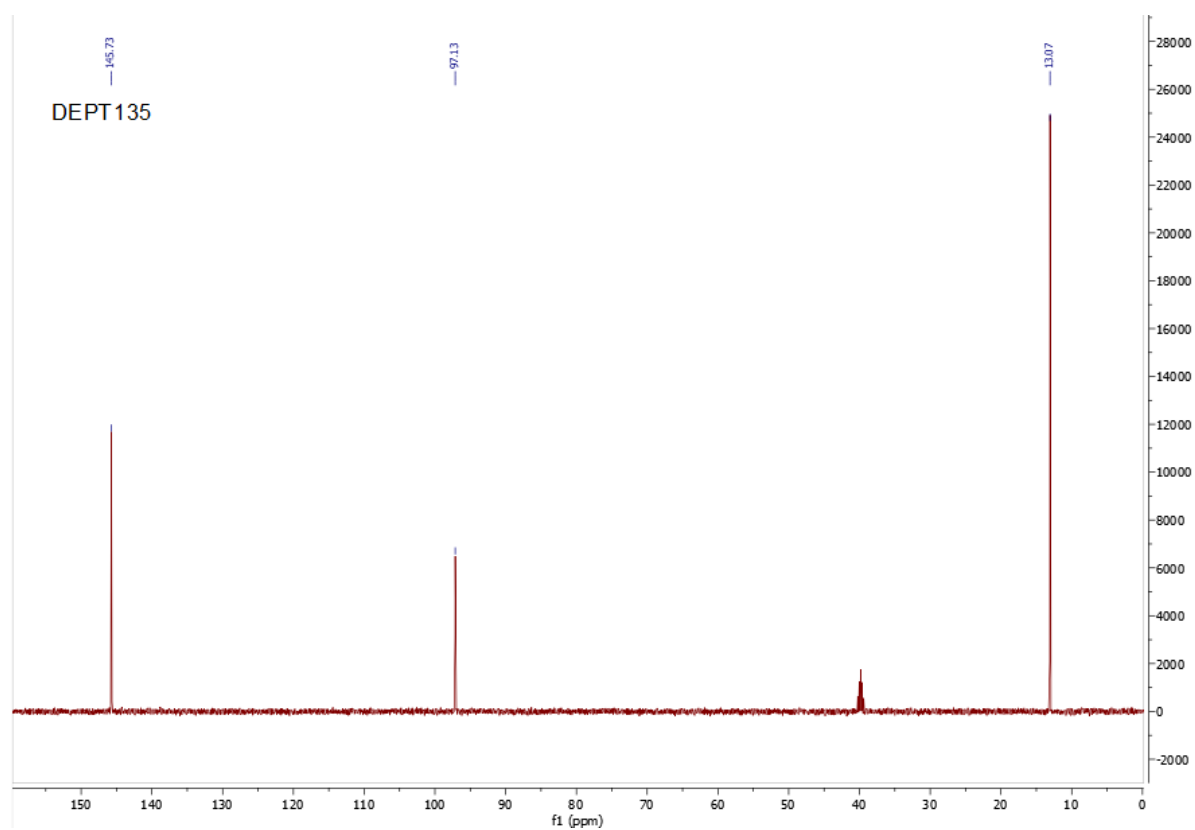
<sup>2</sup> Perha Pharmaceuticals, Perharidy Peninsula, 29680 Roscoff, France; elie@perha-pharma.com (J.E.)

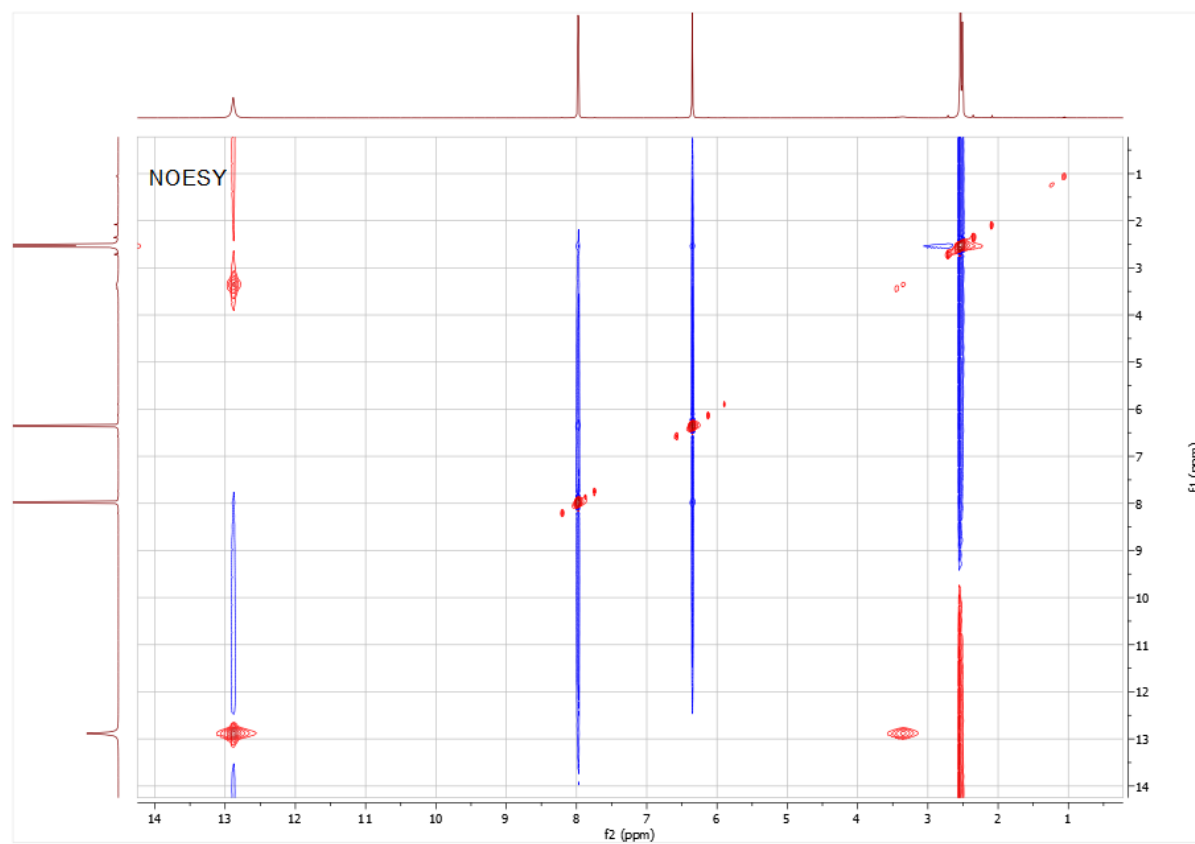
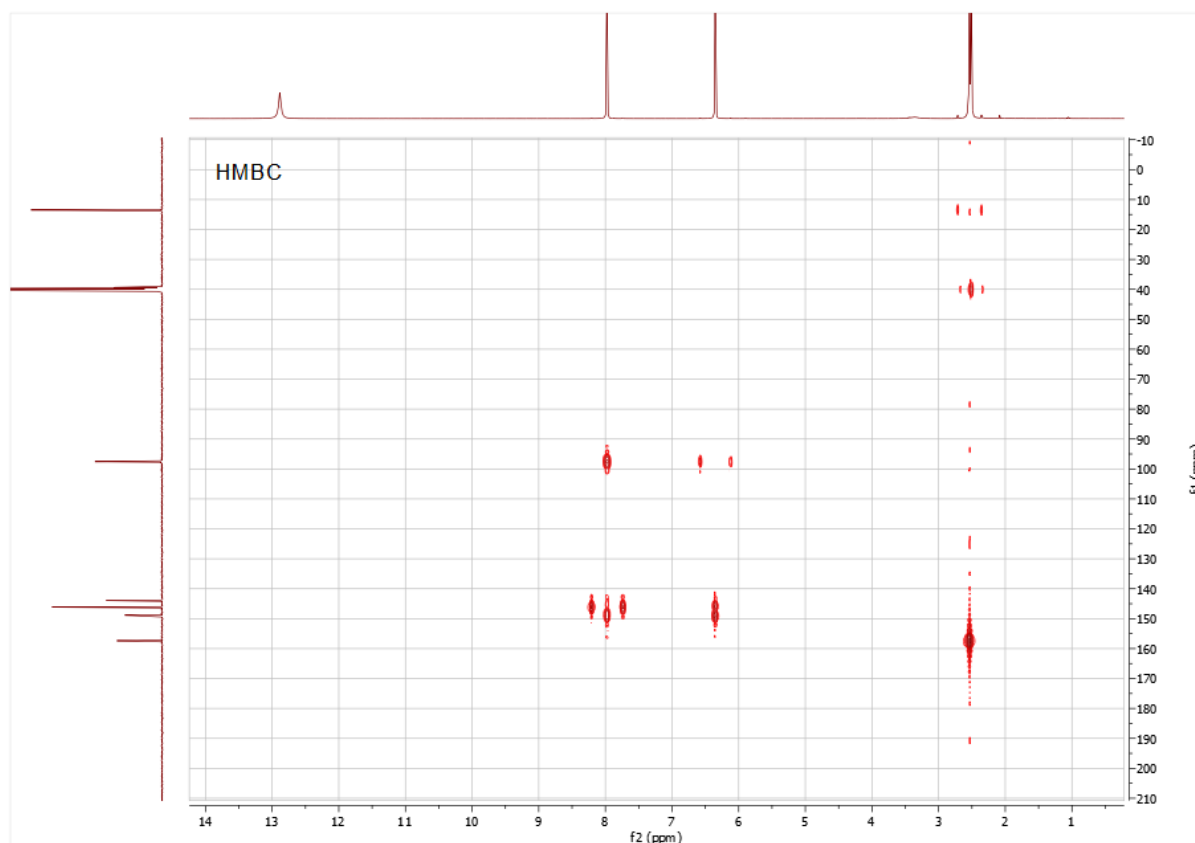
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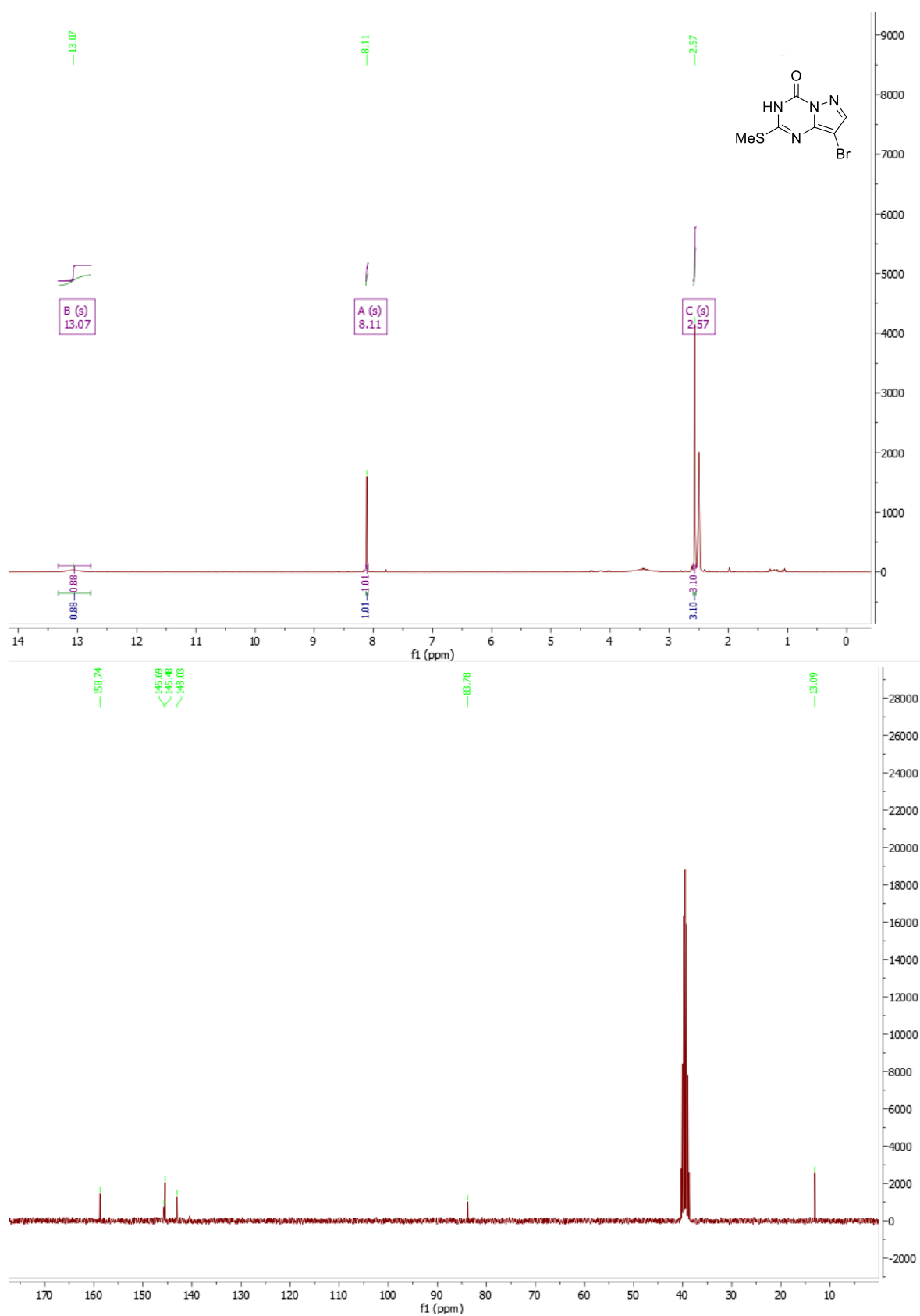
2-(Methylsulfanyl)pyrazolo[1,5-*a*][1,3,5]triazin-4(3*H*)-one (**4a**)



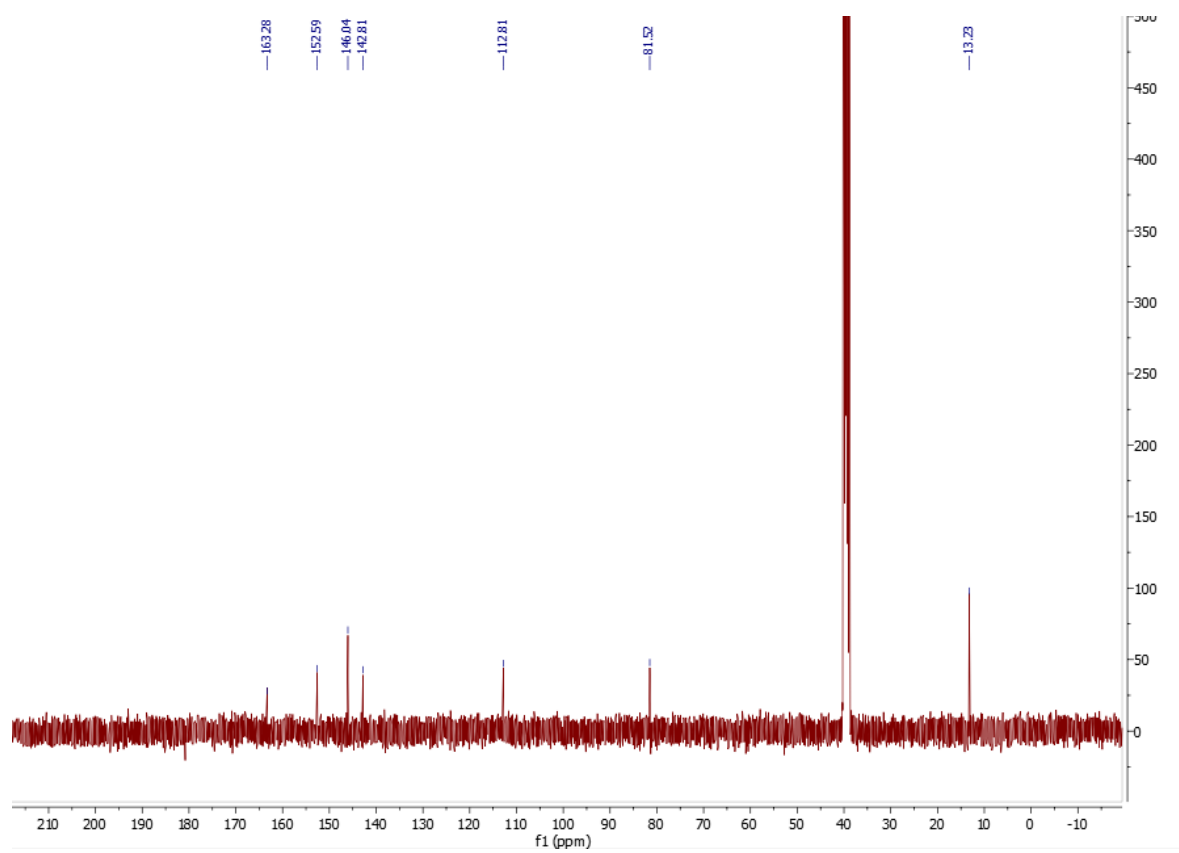
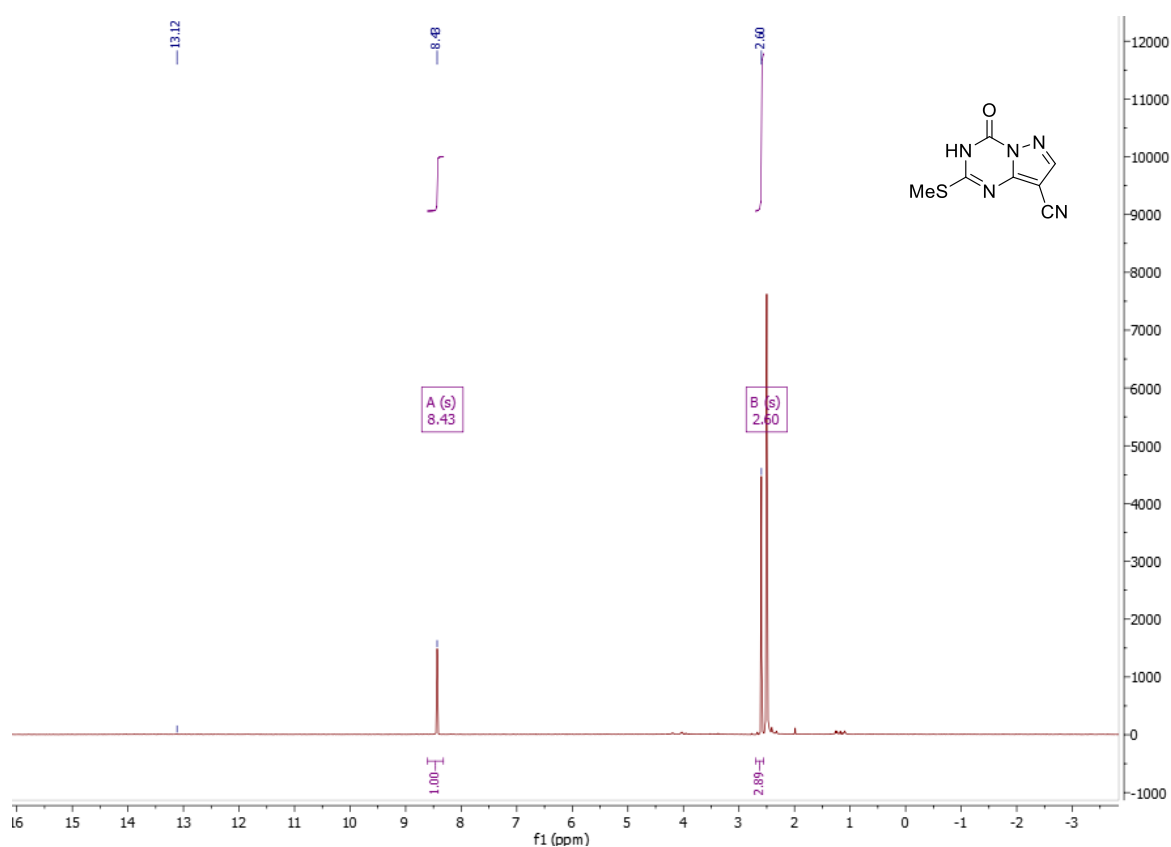




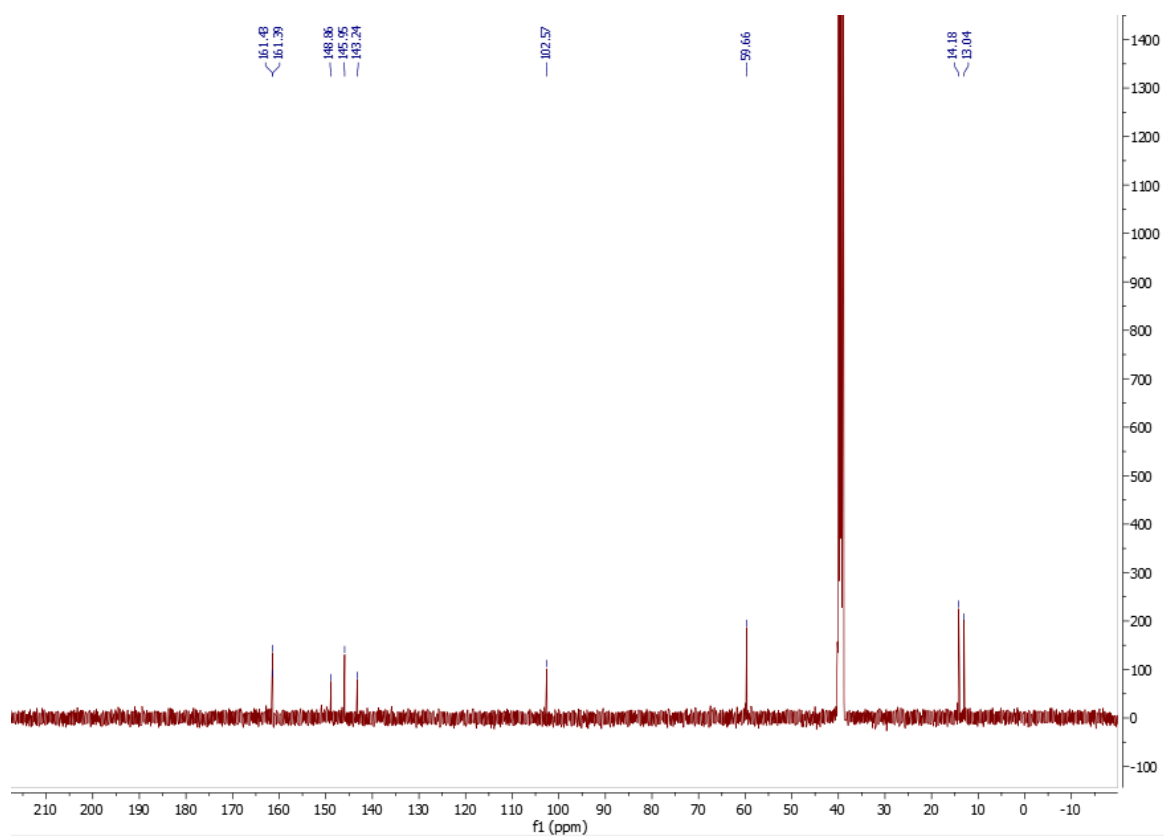
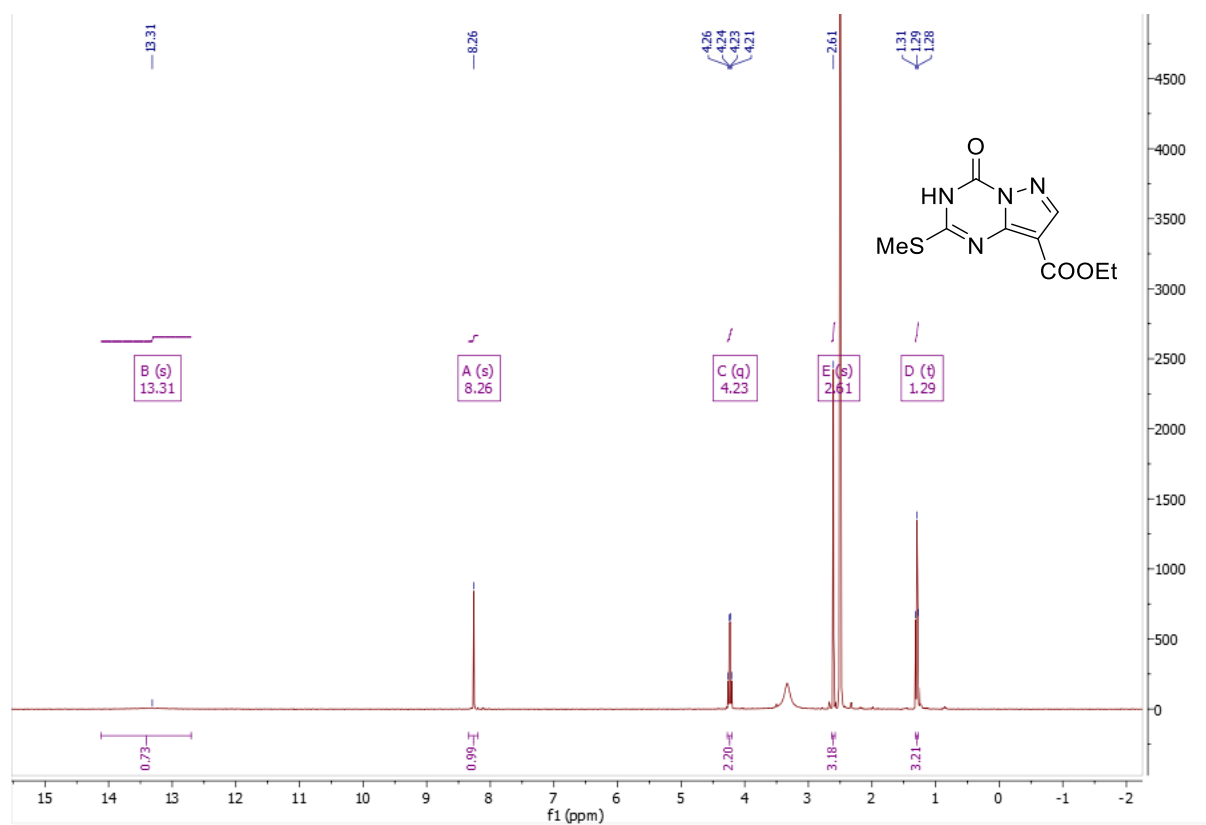
8-Bromo-2-(methylsulfanyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4b**)



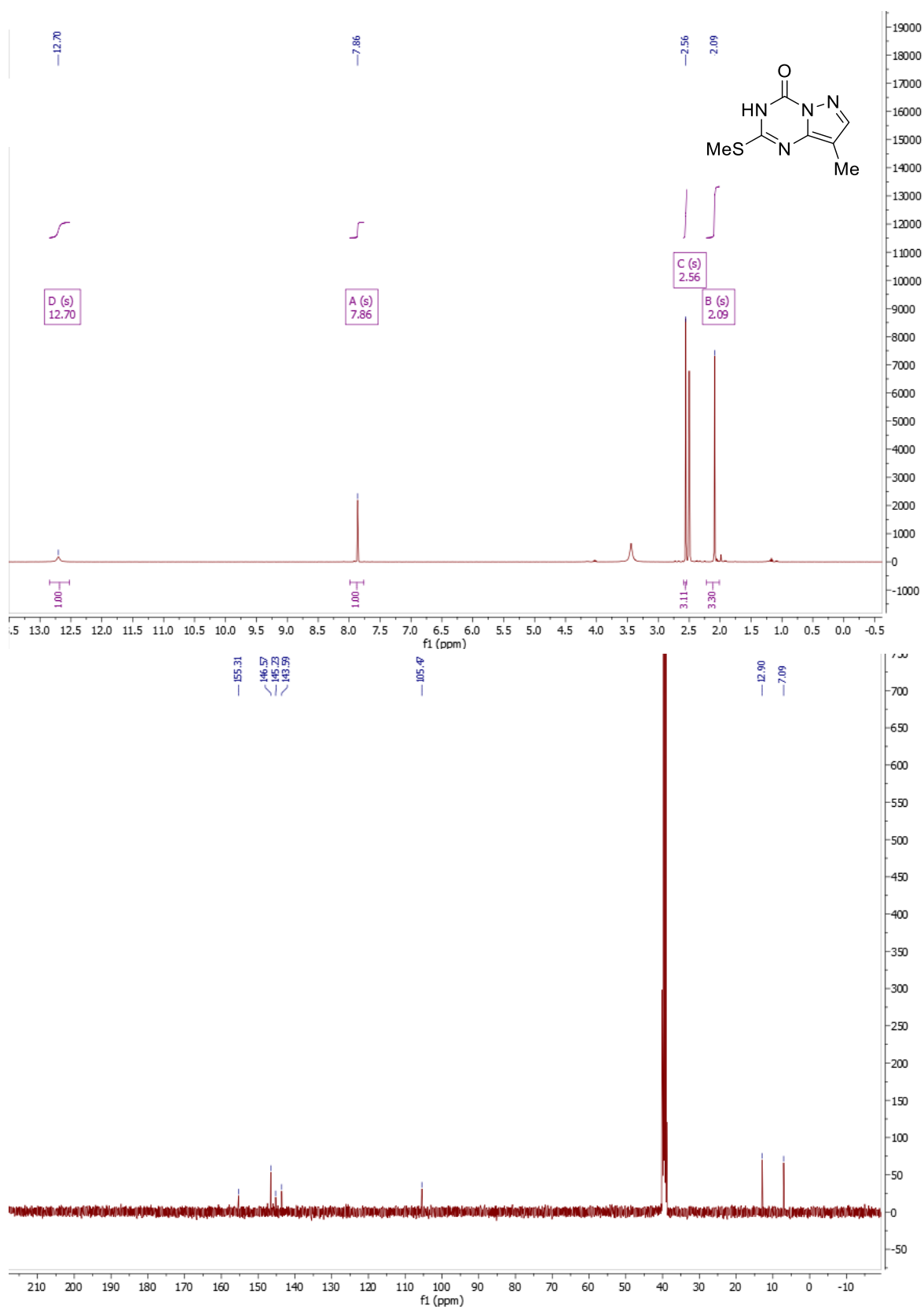
2-(Methylsulfanyl)-4-oxo-3,4-dihydropyrazolo[1,5-a][1,3,5]triazine-8-carbonitrile (**4c**)



Ethyl 2-(methylsulfonyl)-4-oxo-3,4-dihydropyrazolo[1,5-a][1,3,5]triazine-8-carboxylate (**4d**)

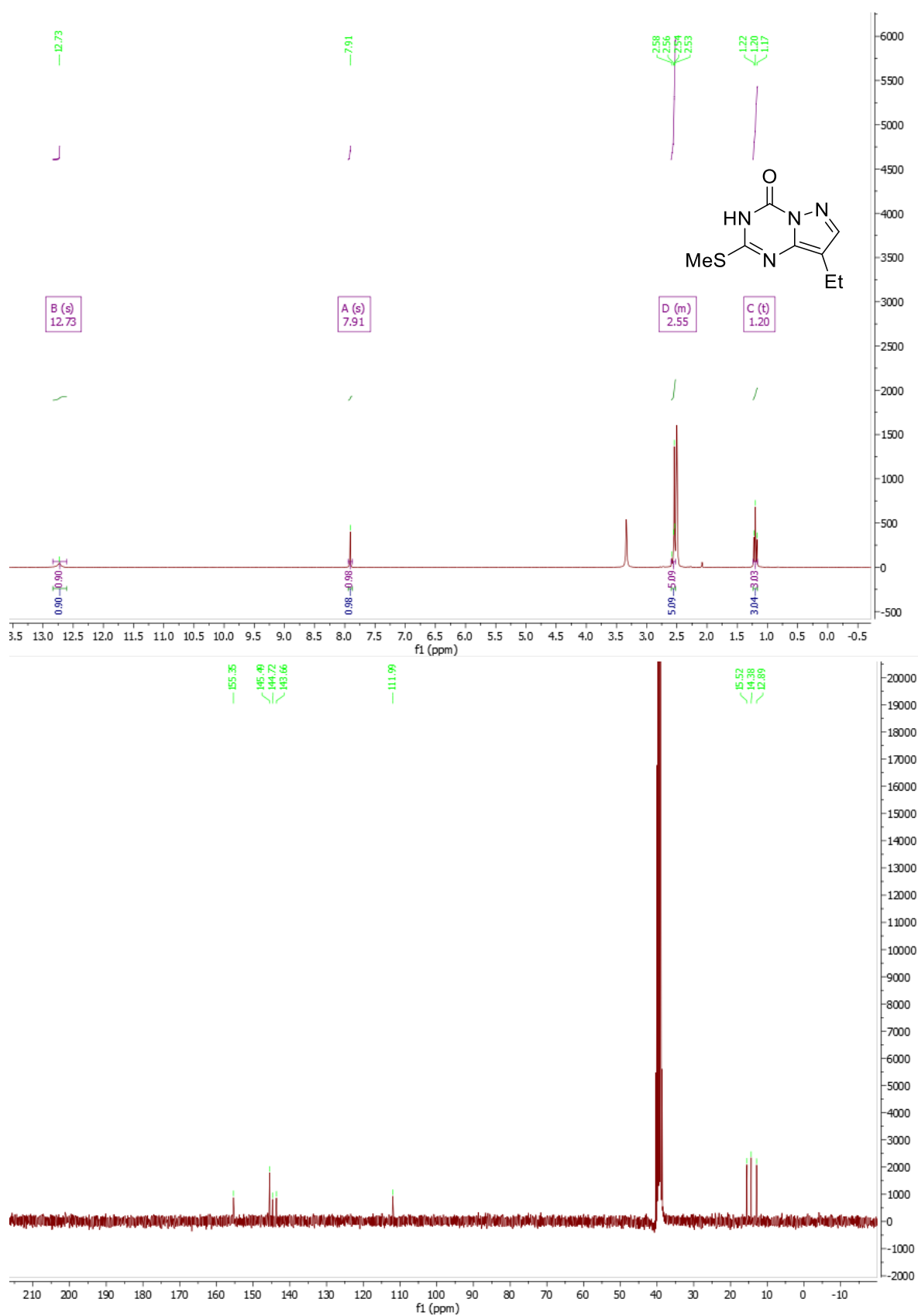


8-Methyl-2-(methylsulfanyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4e**)

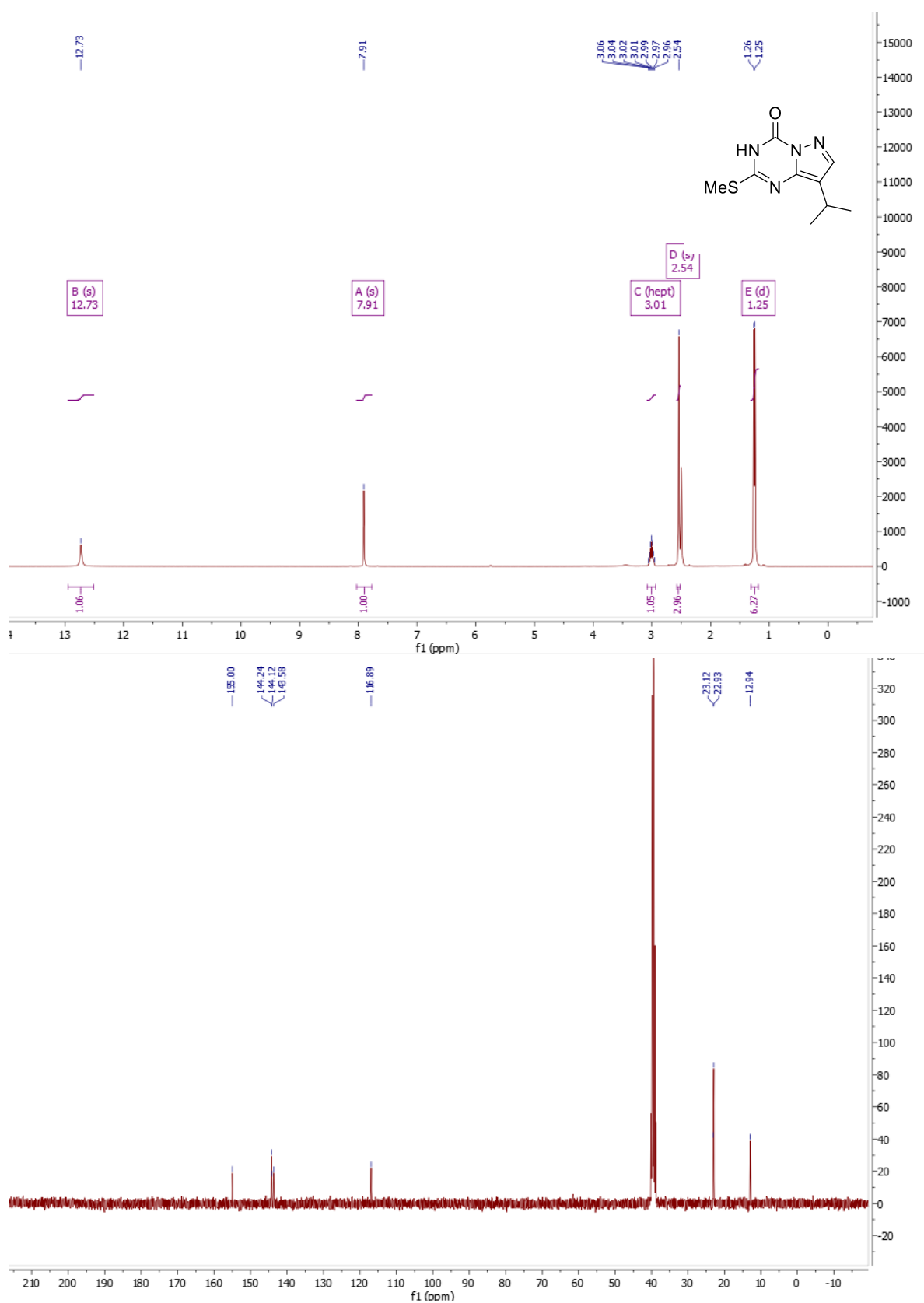


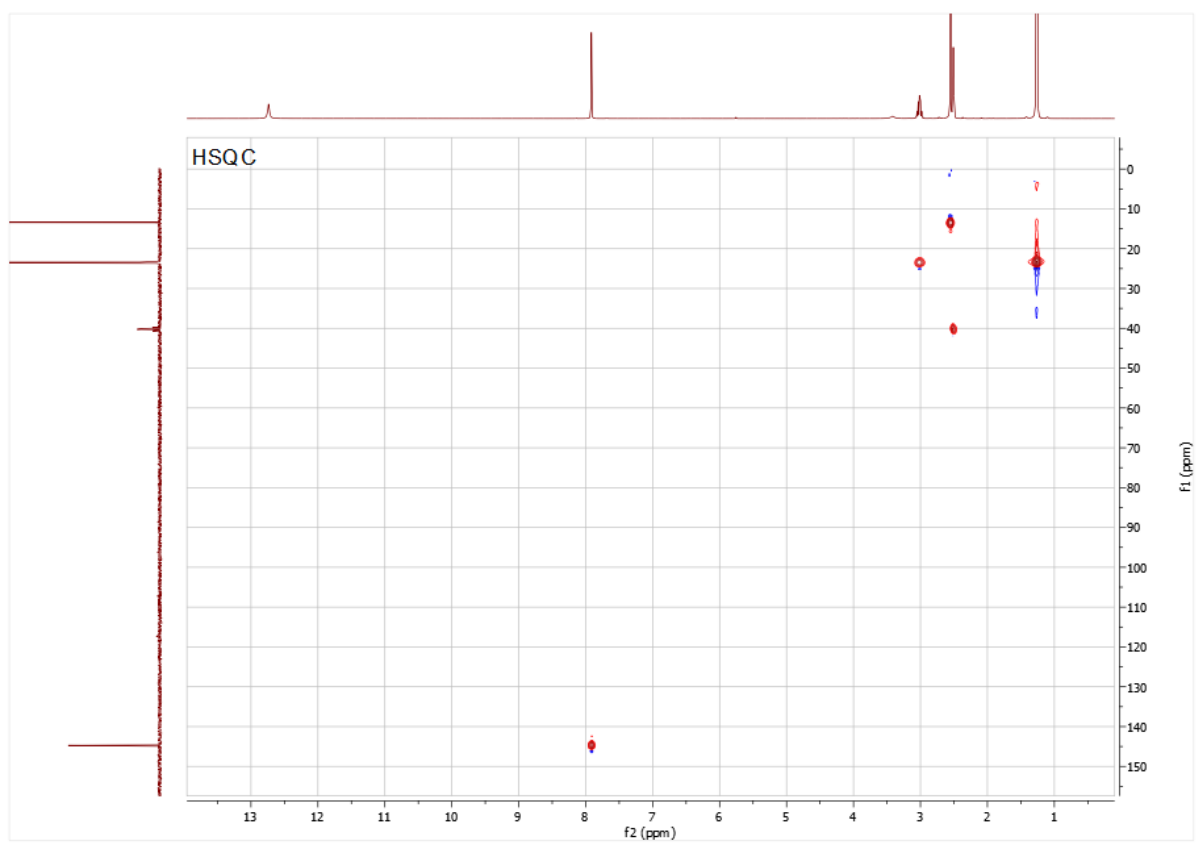
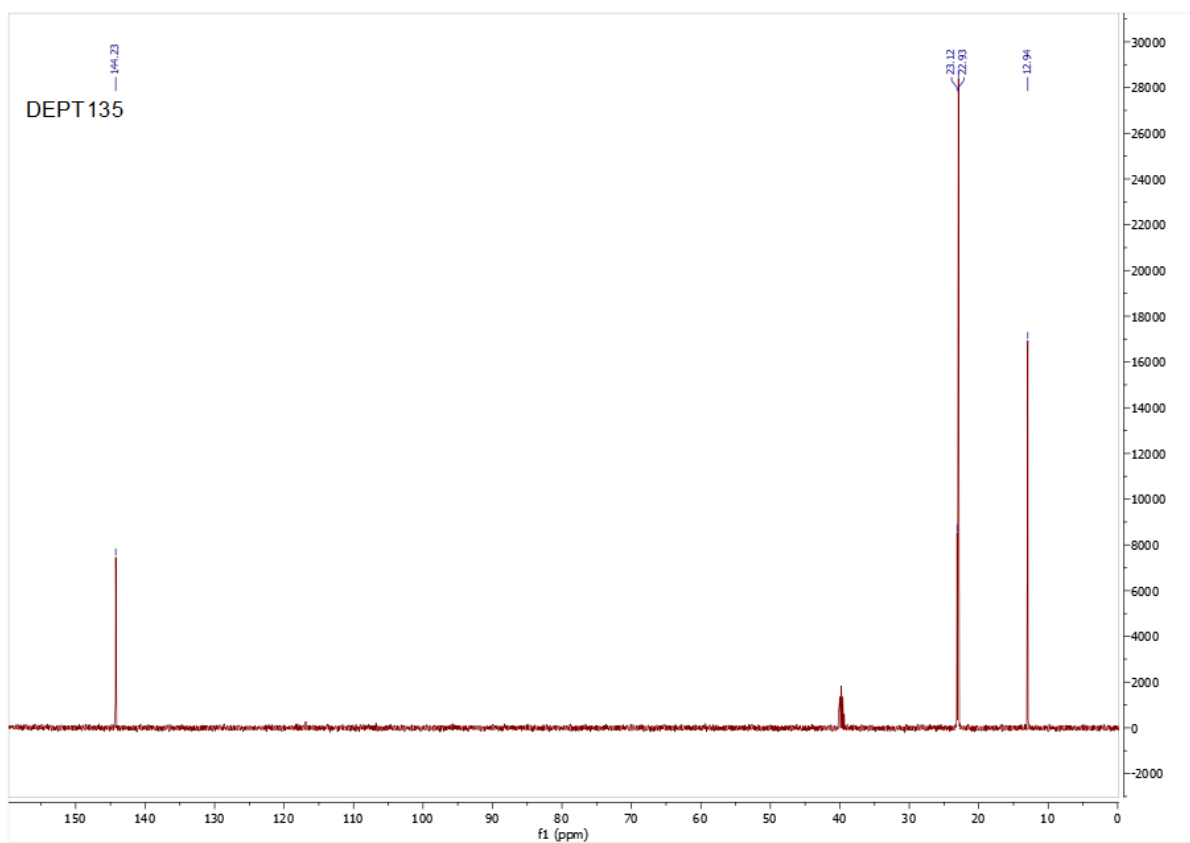


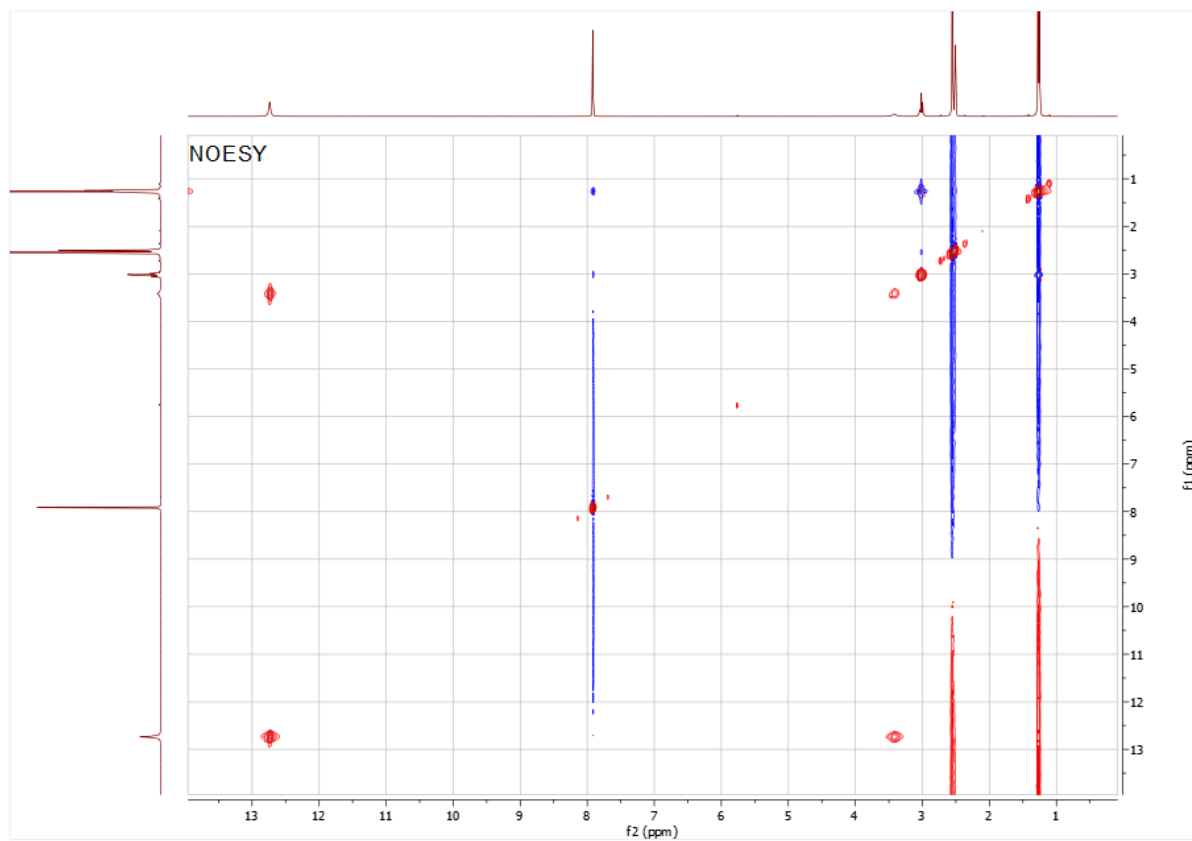
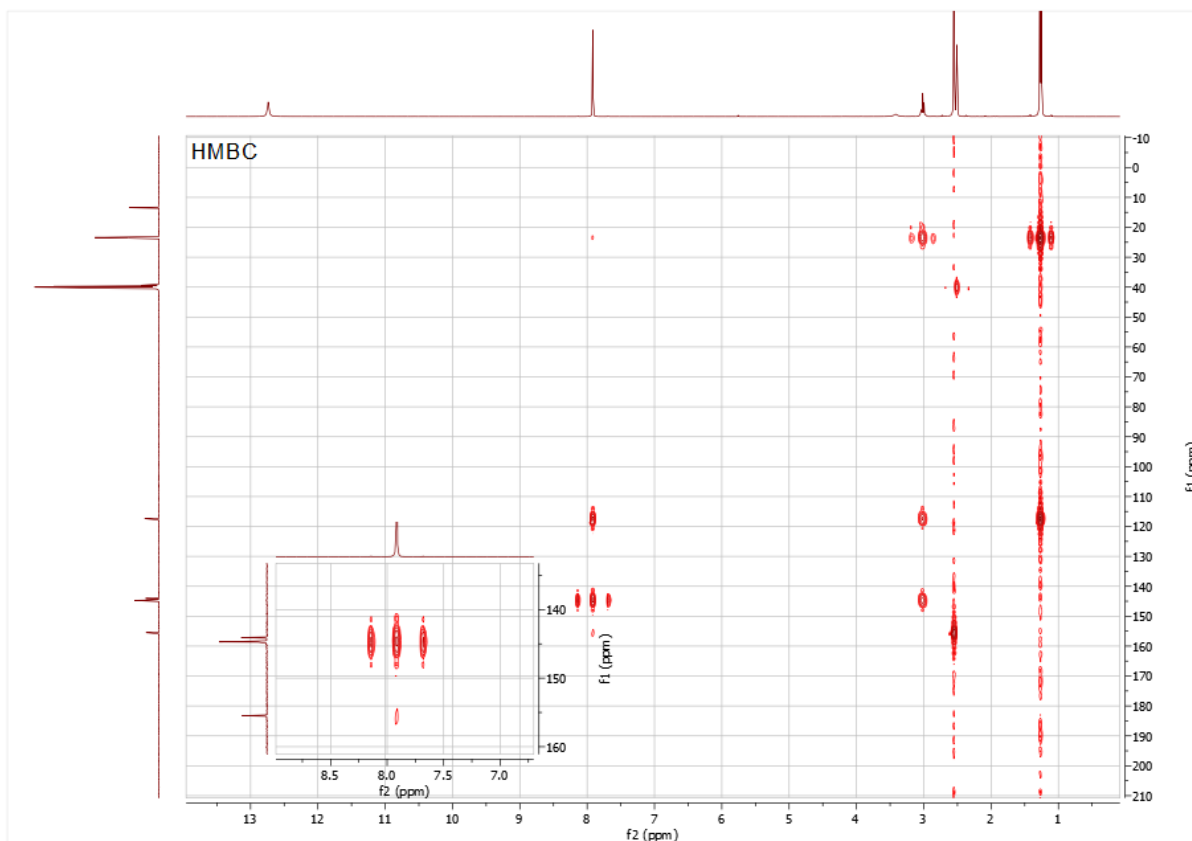
8-Ethyl-2-(methylsulfonyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4f**)



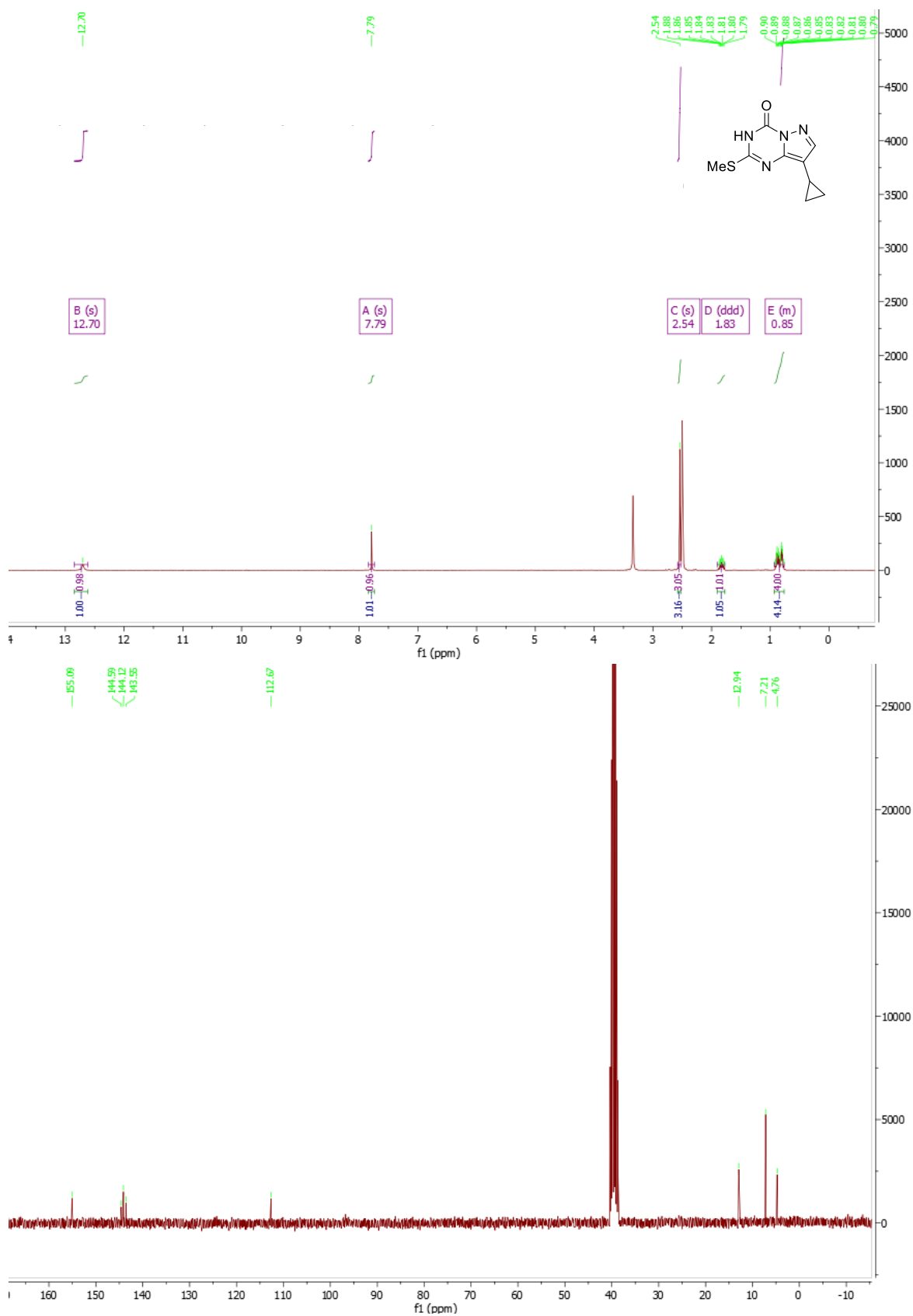
8-Isopropyl-2-(methylsulfonyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4g**)



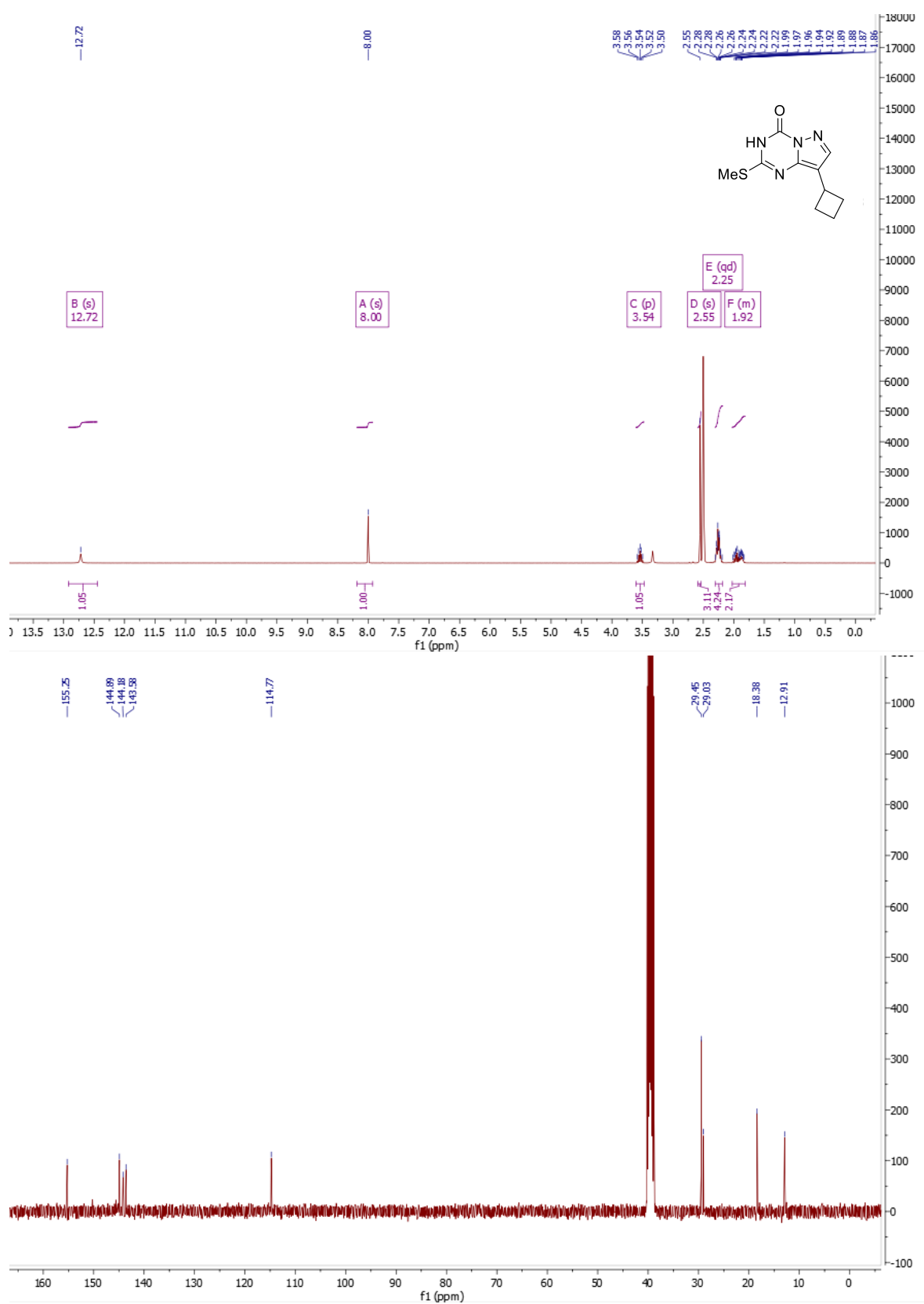




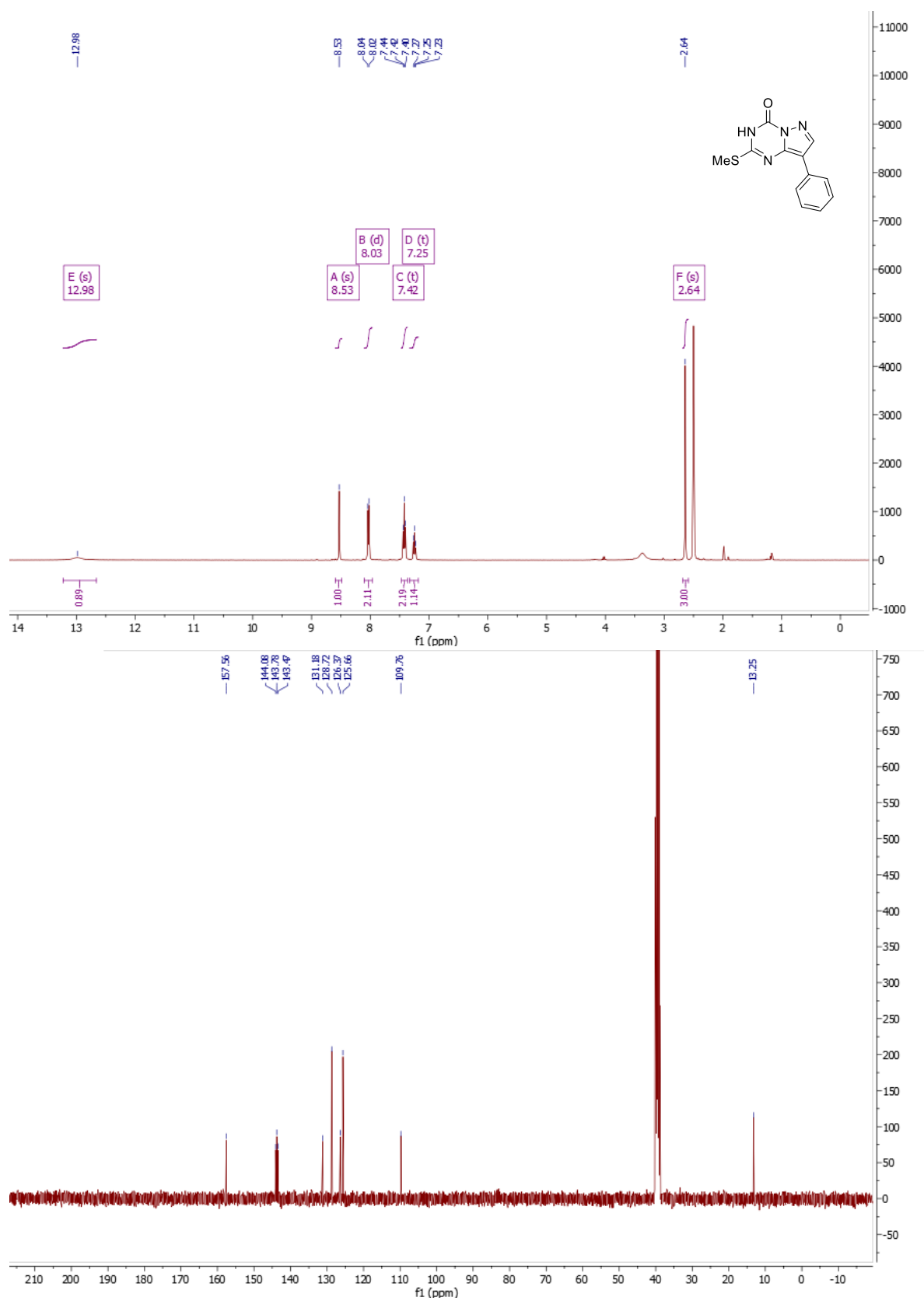
8-Cyclopropyl-2-(methylsulfonyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4h**)



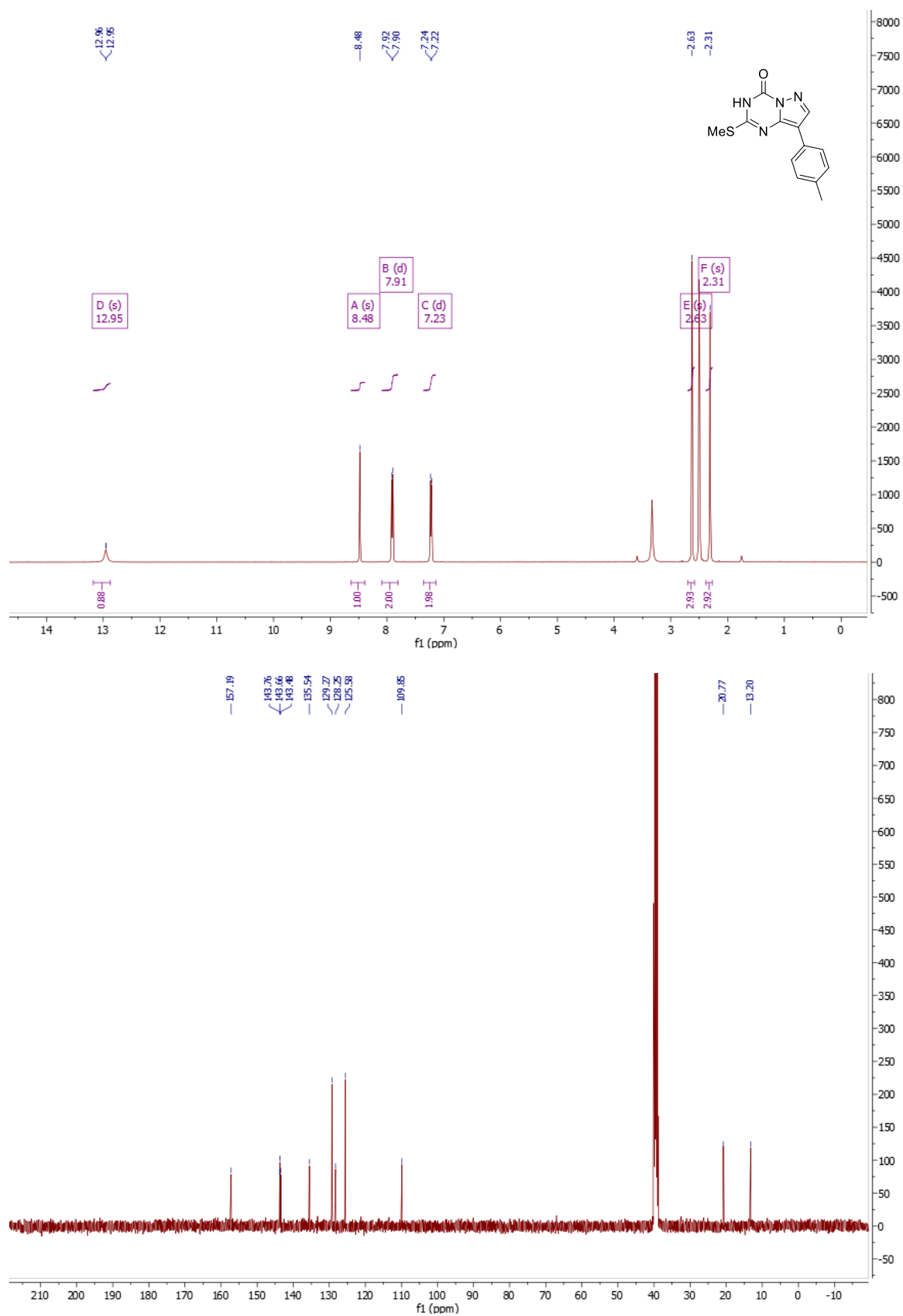
8-Cyclobutyl-2-(methylsulfonyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4i**)



2-(Methylsulfonyl)-8-phenyl-pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4j**)

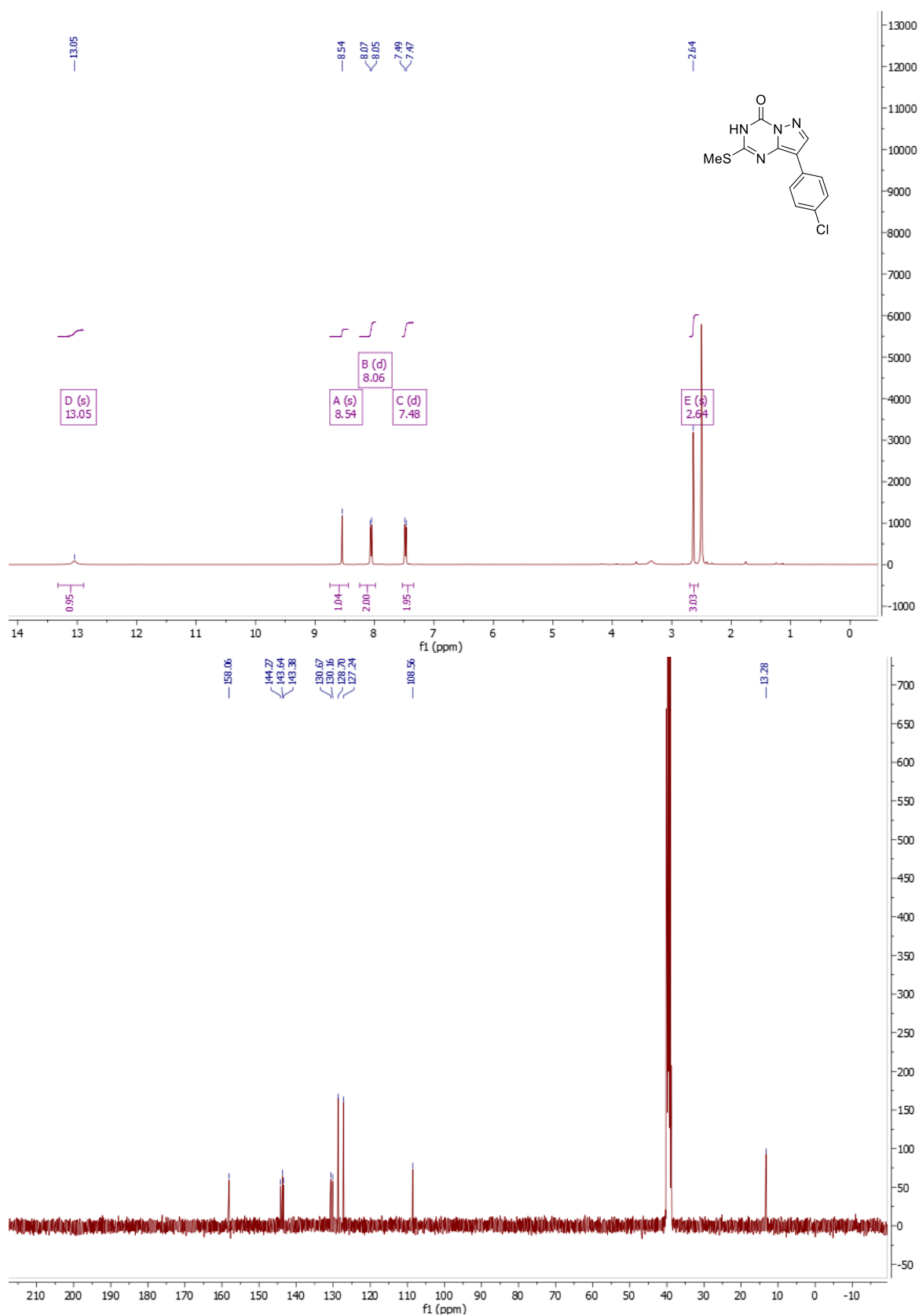


2-(Methylsulfanyl)-8-(p-tolyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4k**):

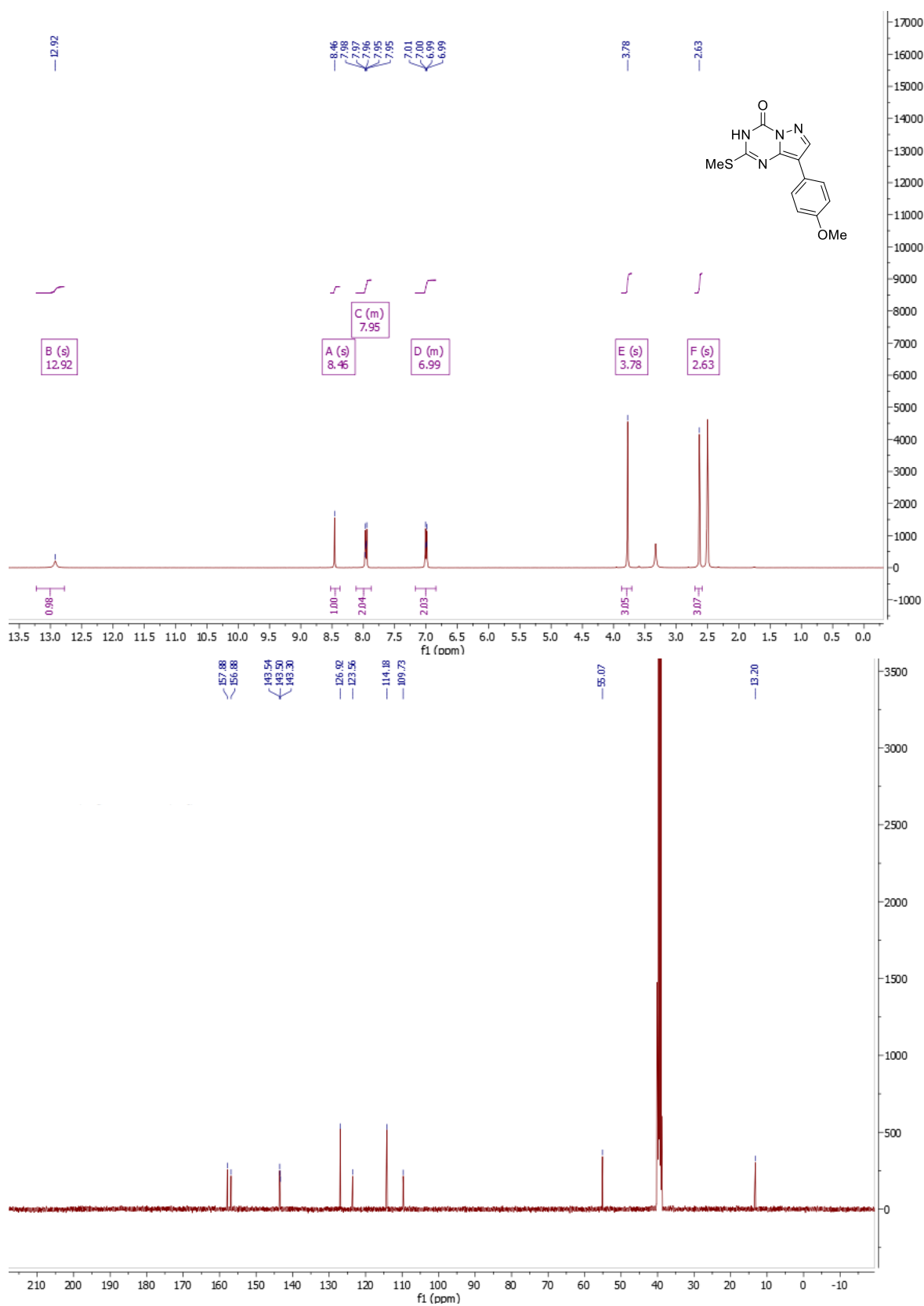




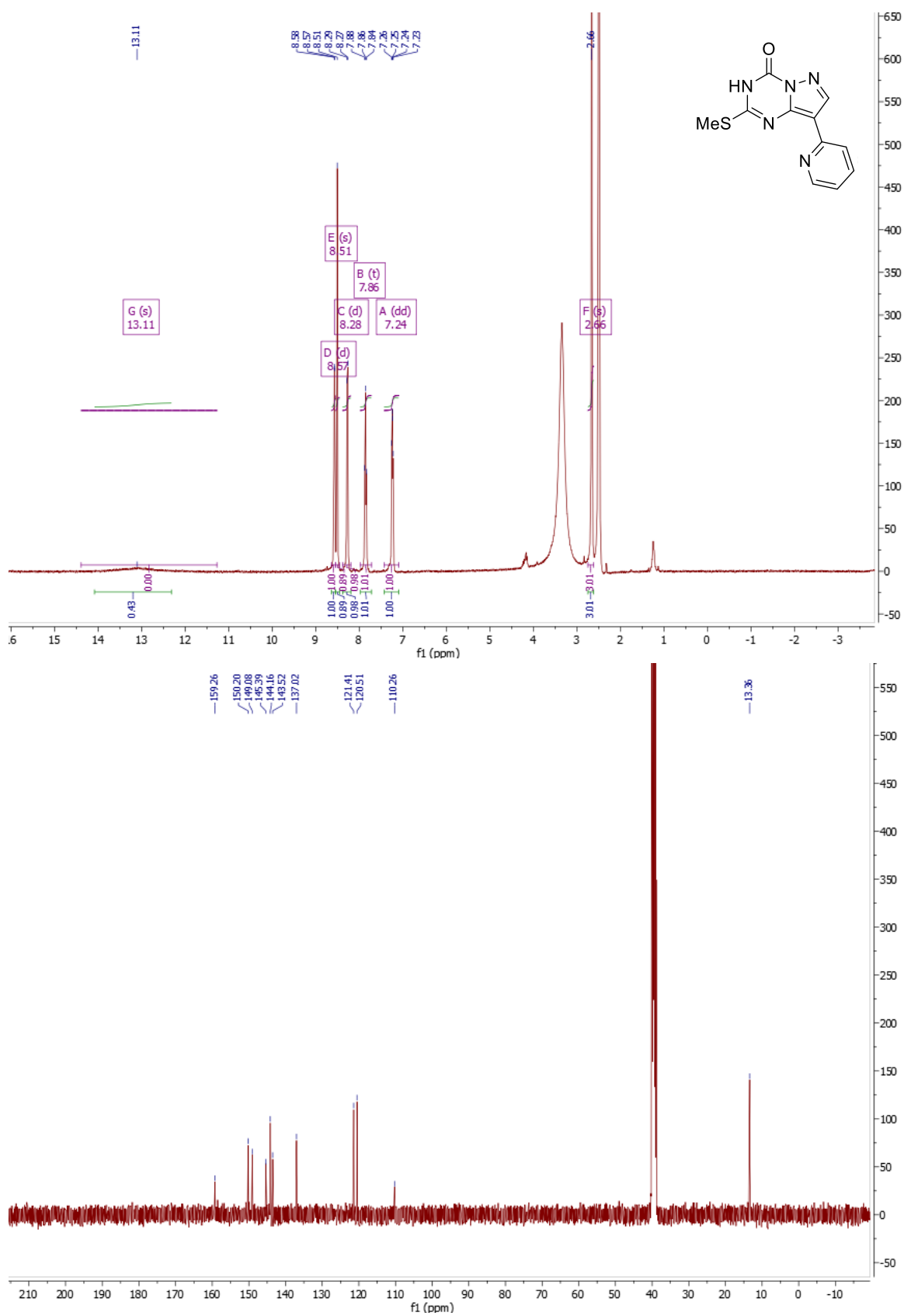
8-(4-Chlorophenyl)-2-(methylsulfanyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**41**)



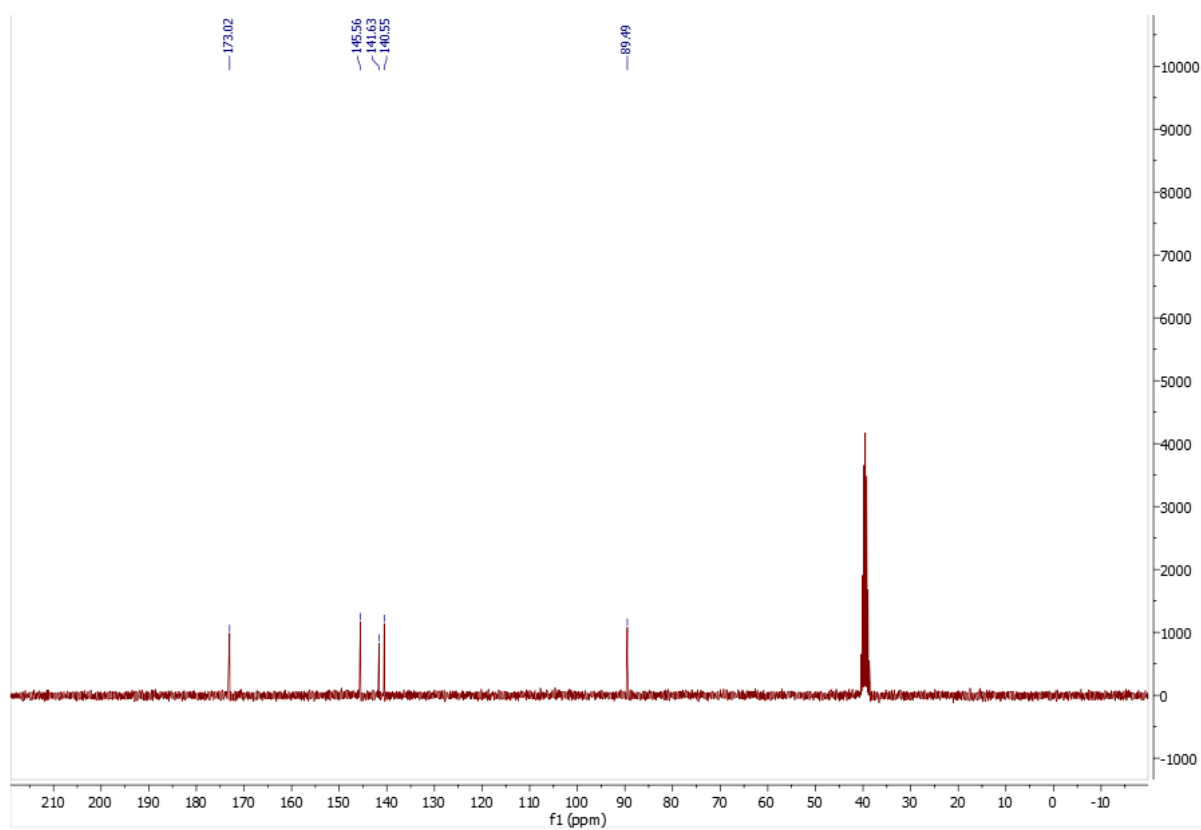
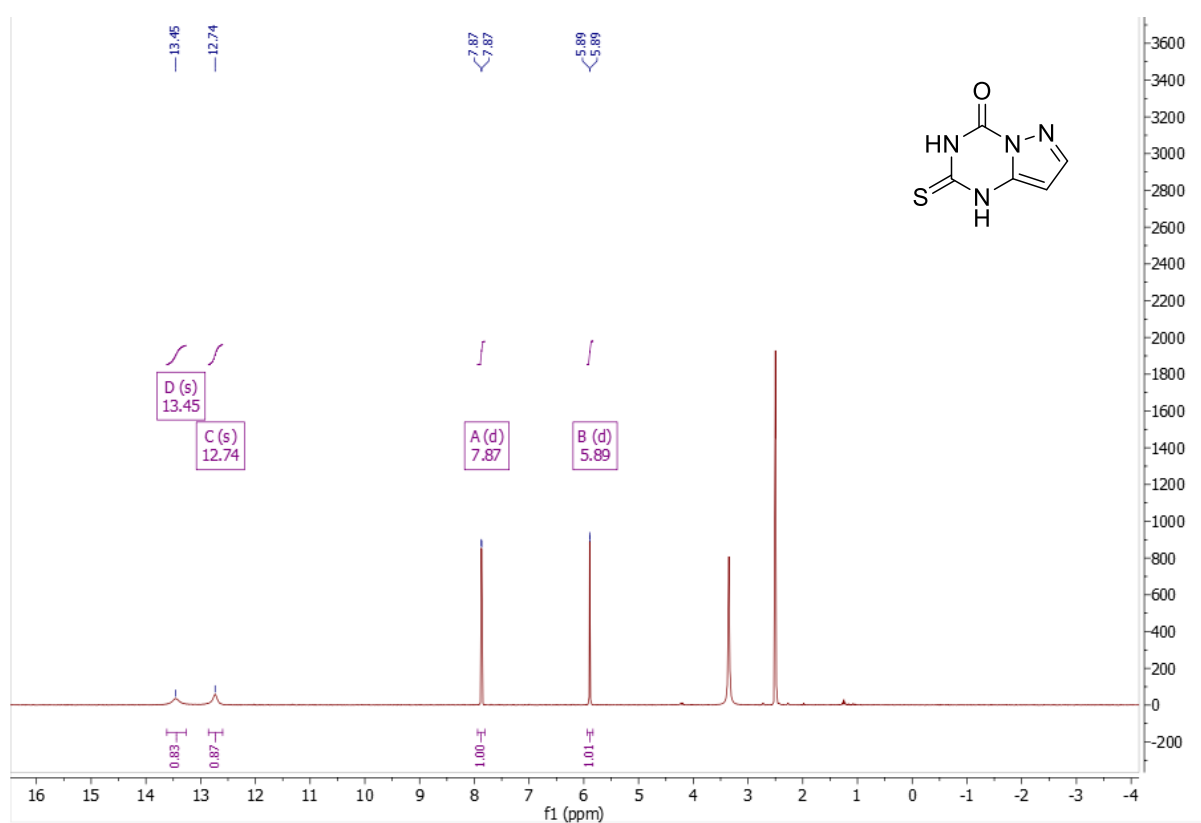
8-(4-Methoxyphenyl)-2-(methylsulfonyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4m**)

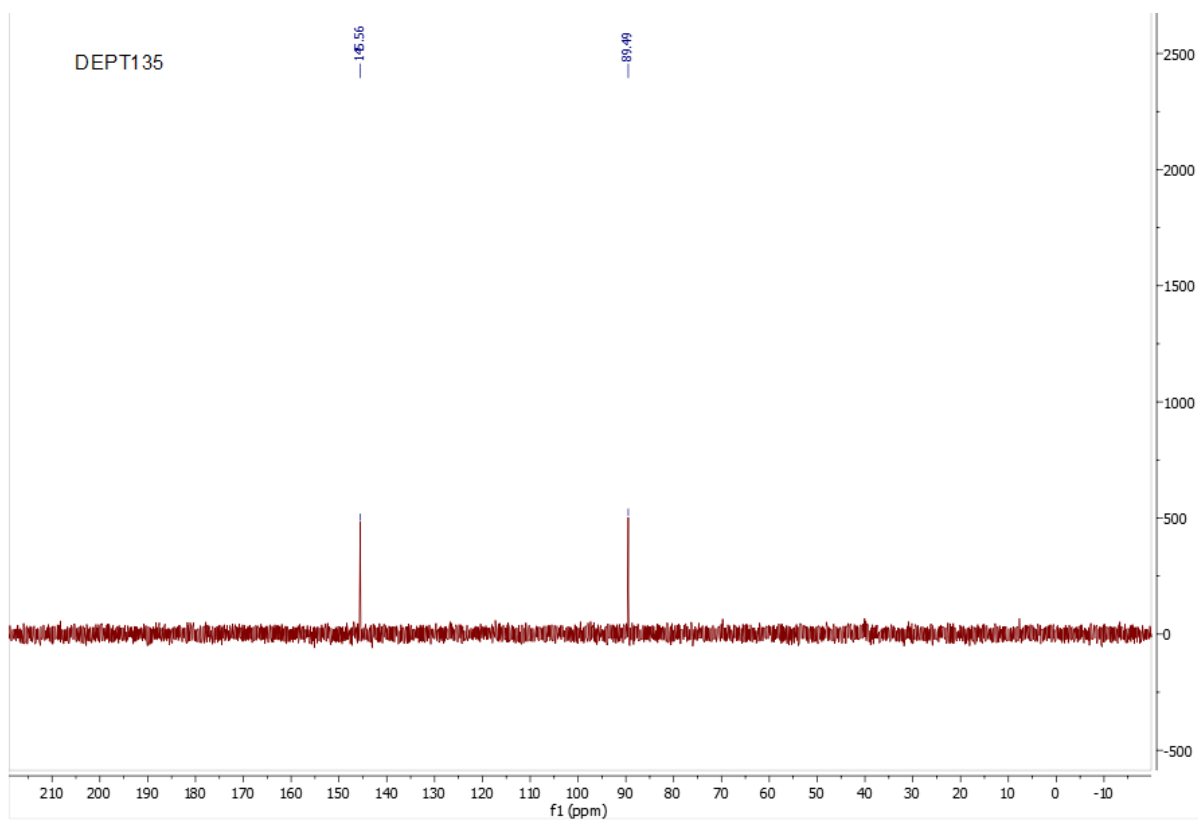


2-(Methylsulfanyl)-8-(2-pyridyl)pyrazolo[1,5-a][1,3,5]triazin-4(3H)-one (**4n**)

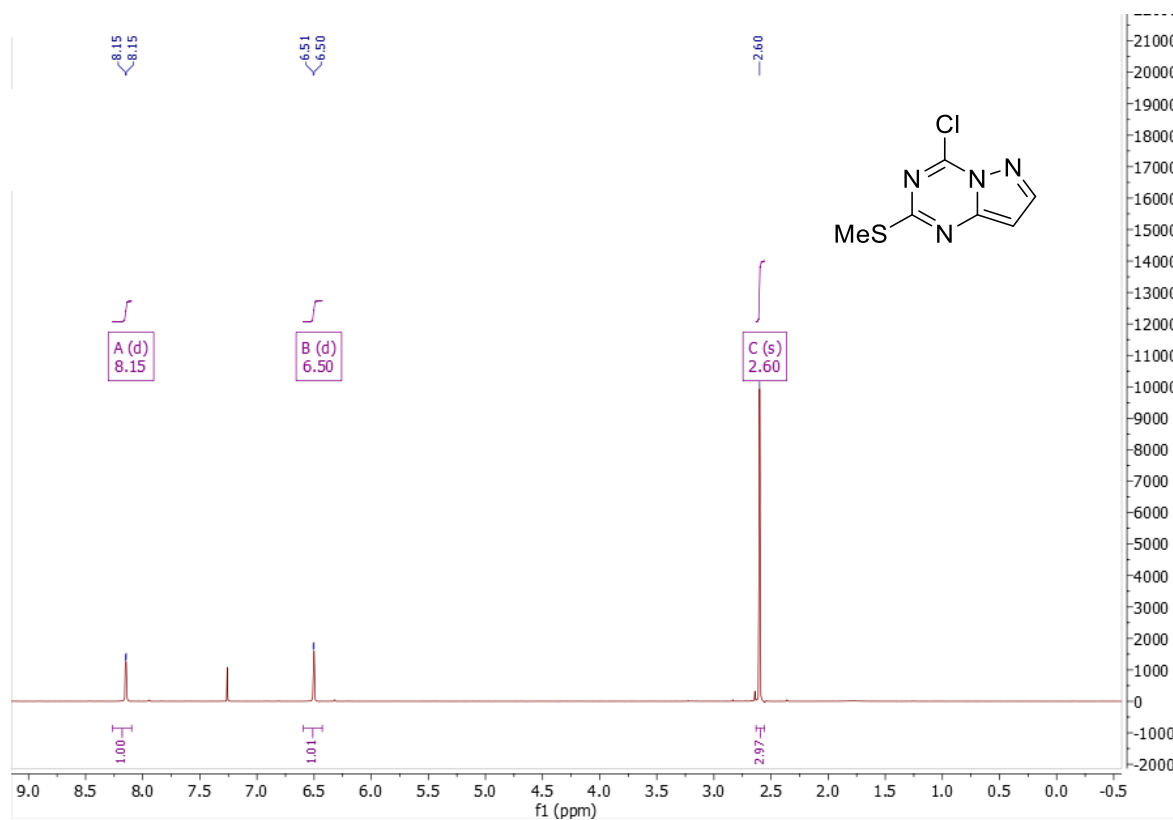


2-thioxo-1H-pyrazolo[1,5-a][1,3,5]triazin-4-one (**3a**)





4-Chloro-2-(methylsulfanyl)pyrazolo[1,5-a][1,3,5]triazine (5)



8-Bromo-4-chloro-2-(methylsulfanyl)pyrazolo[1,5-a][1,3,5]triazine (6)

