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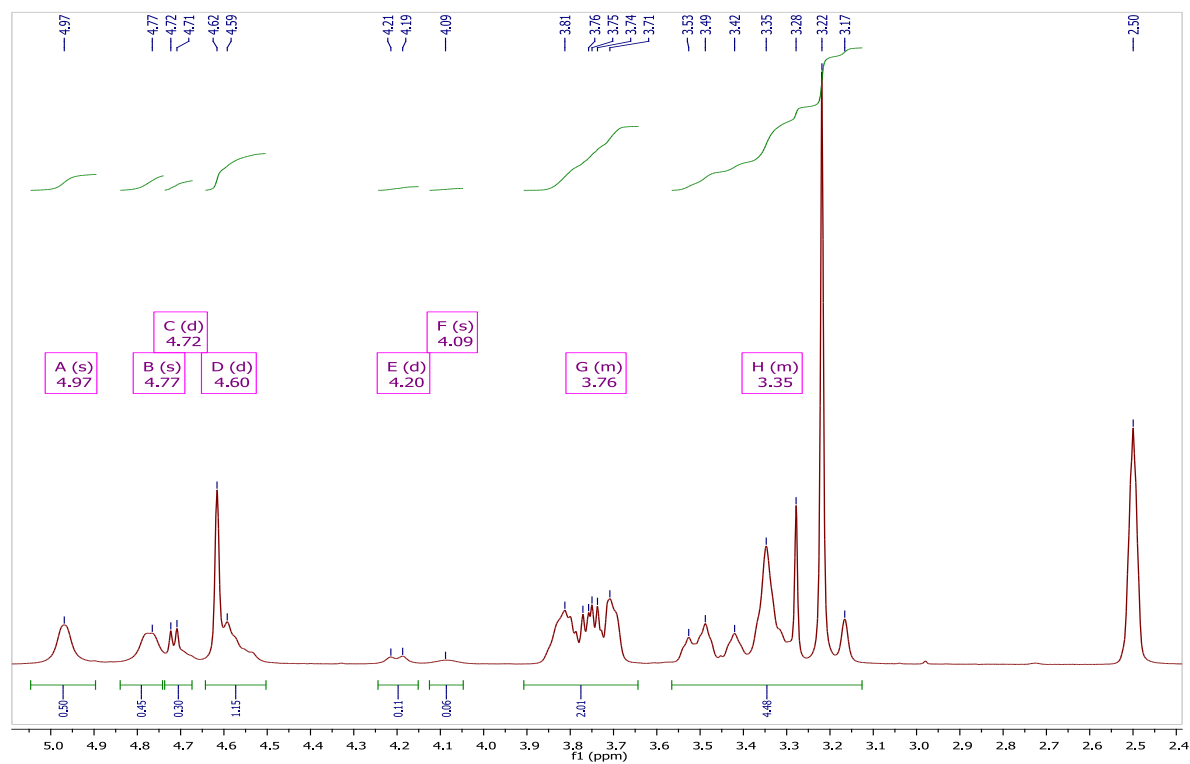
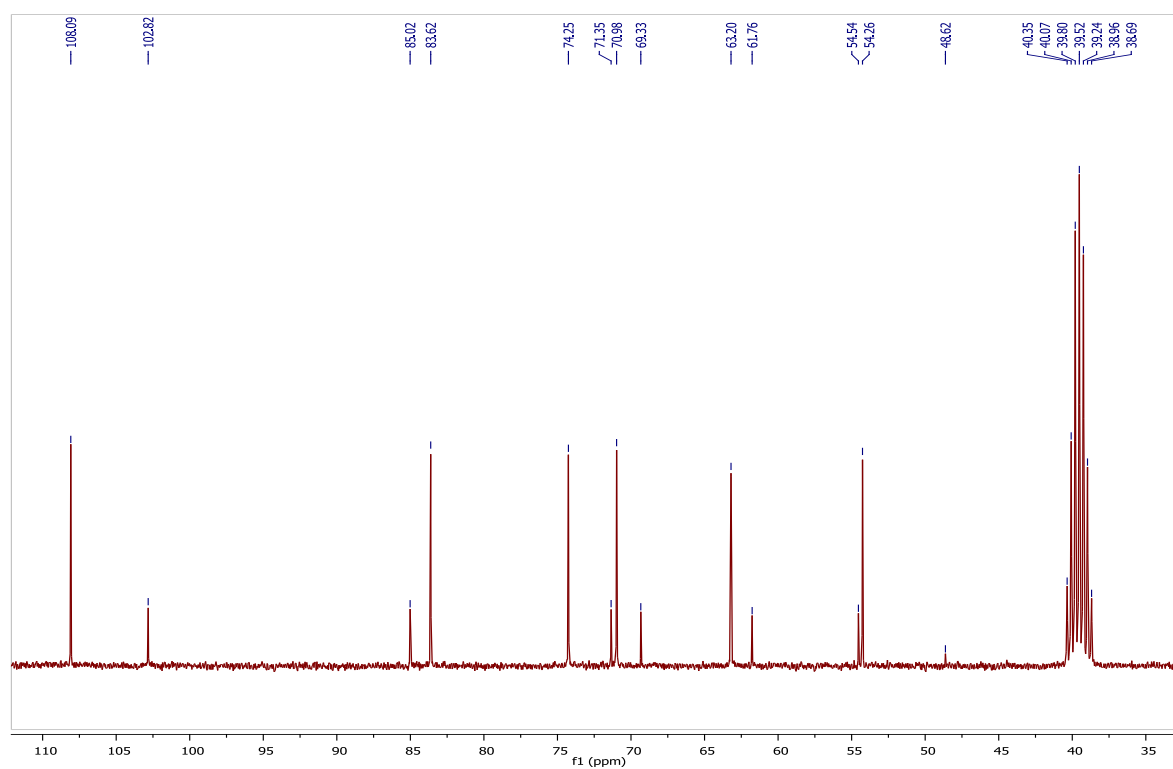
The Synthesis and biological testing of nucleoside derivatives

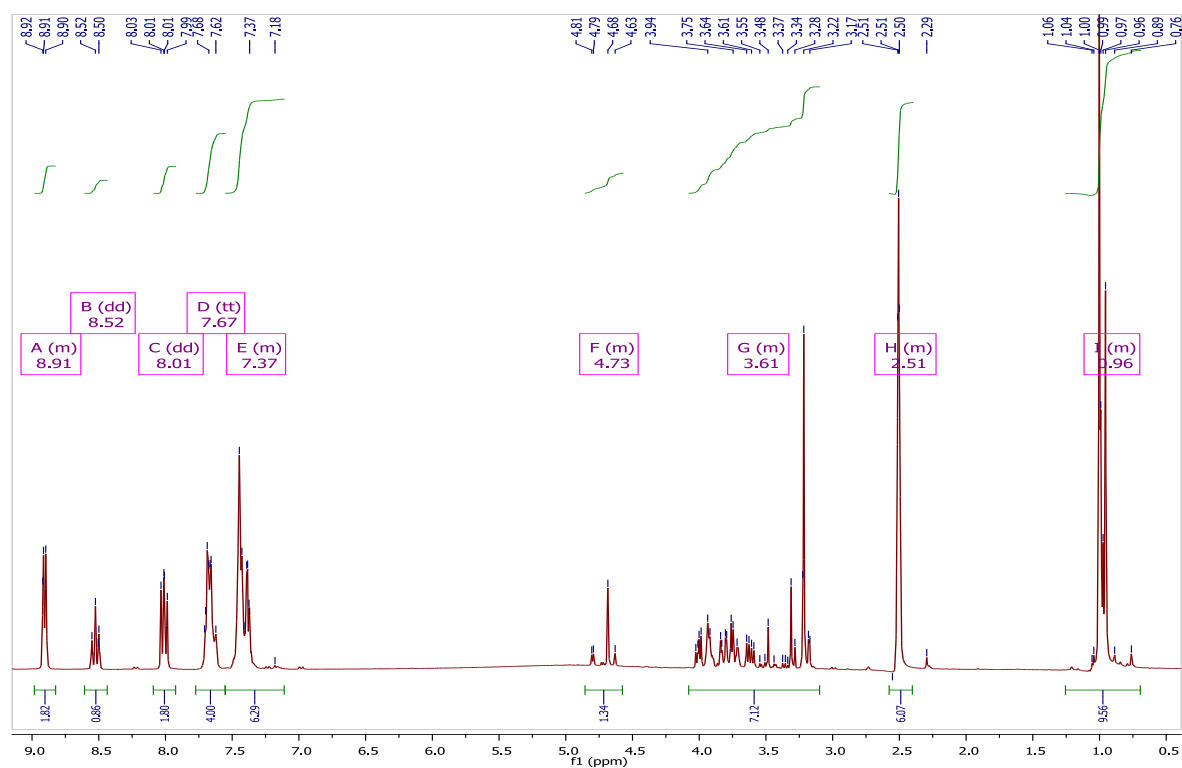
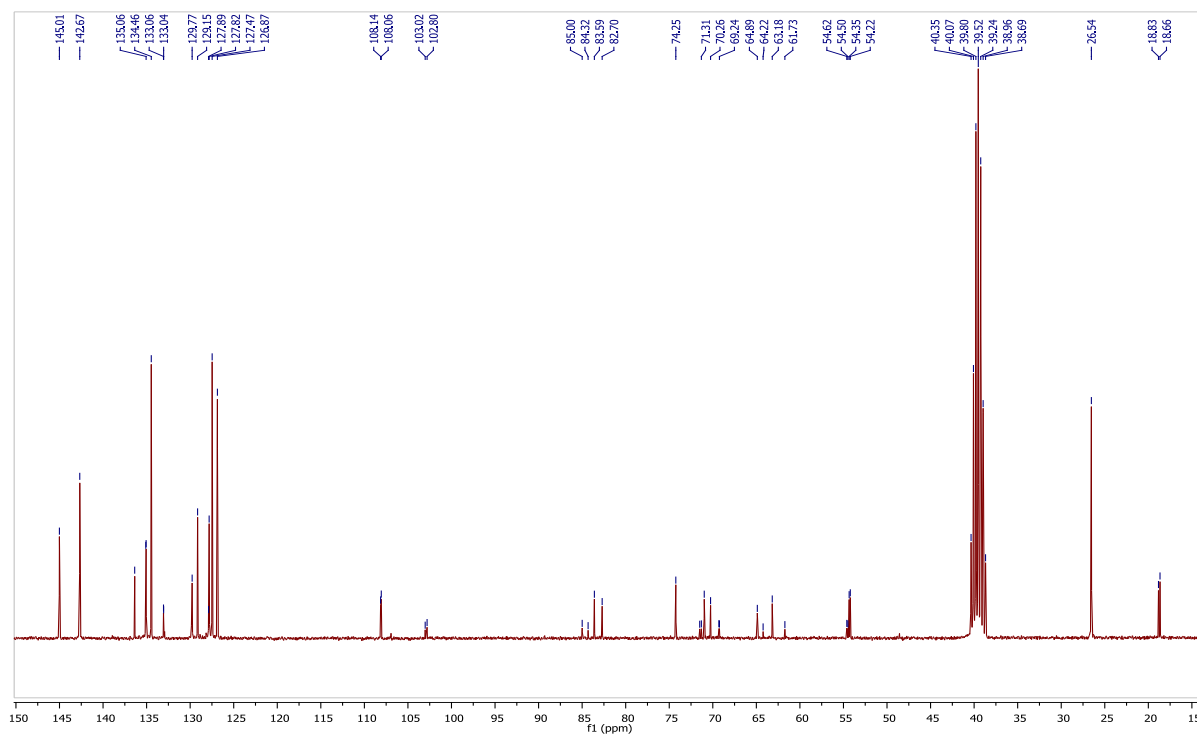
Panayides, Jenny-Lee

2012-10-05

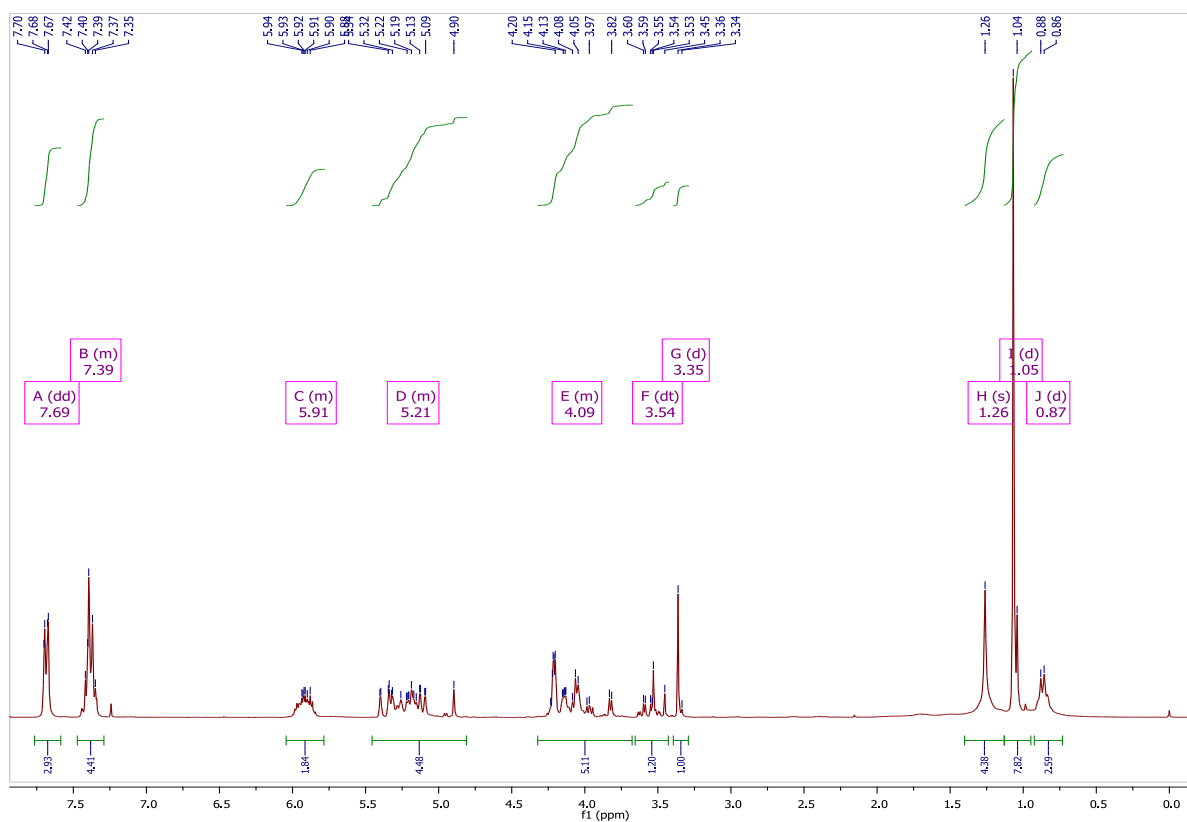
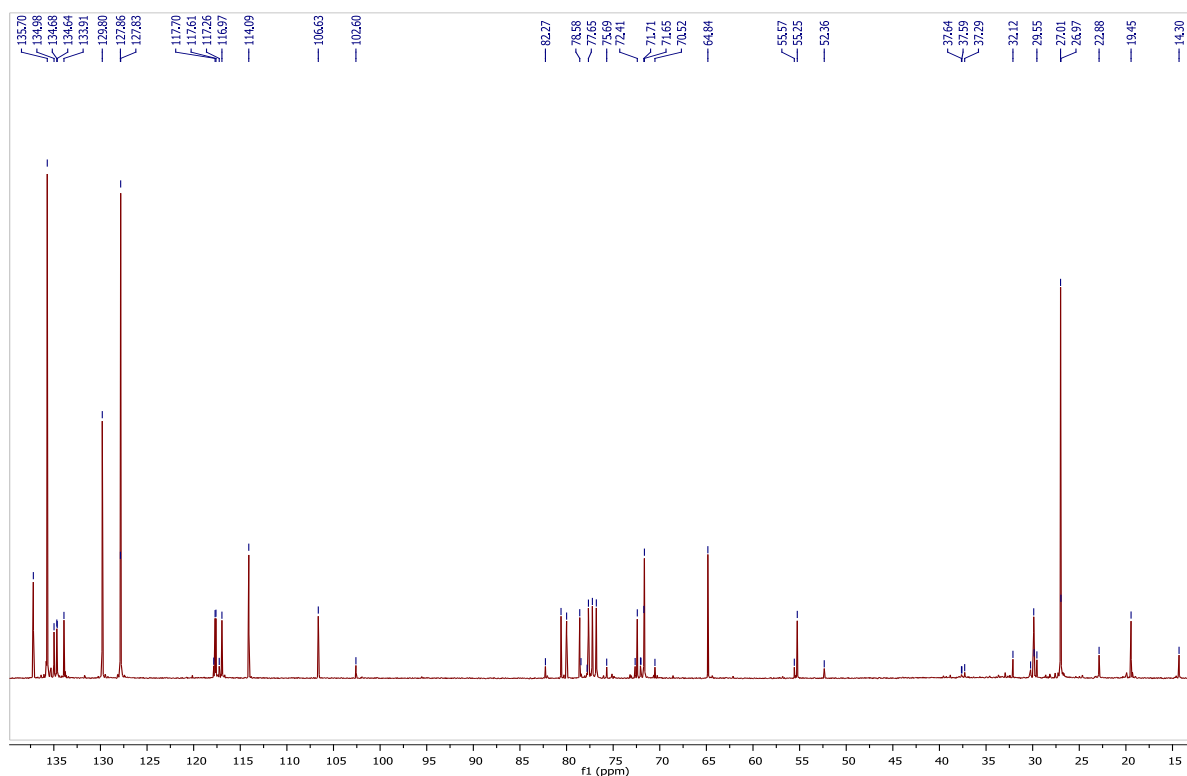
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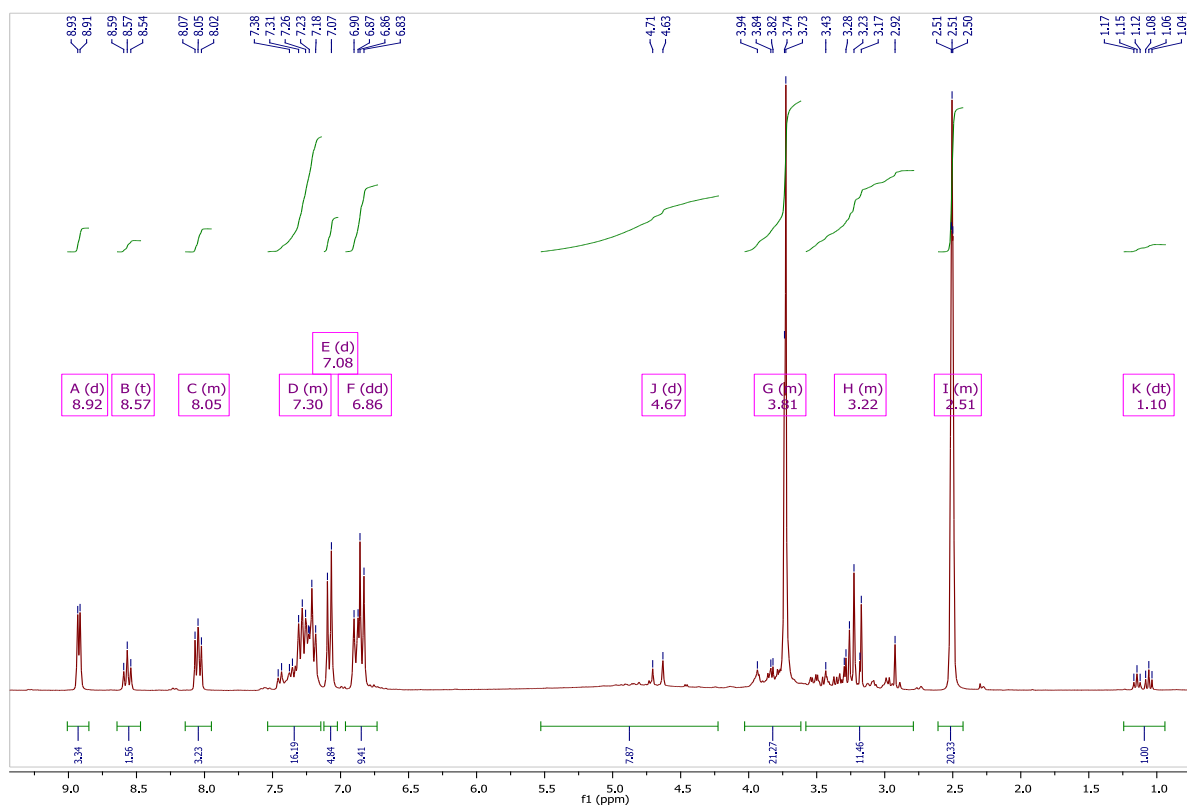
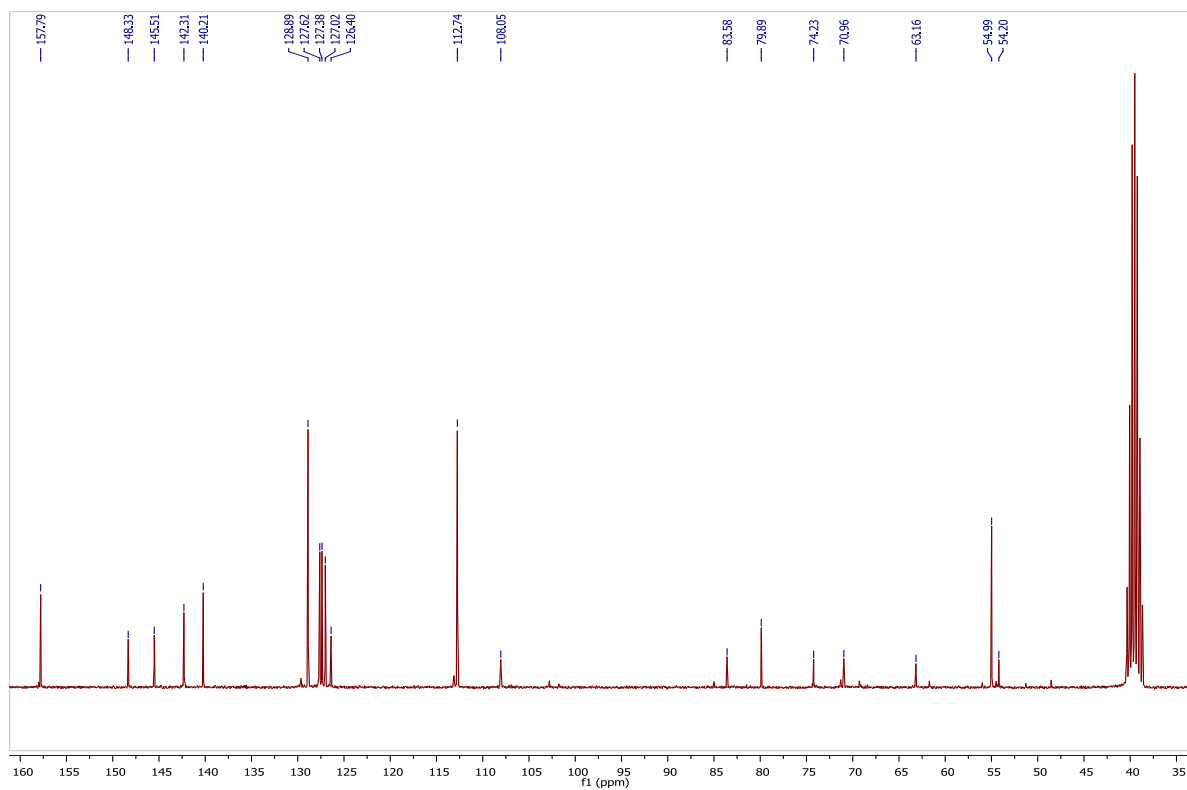
***SUPPORTING INFORMATION –
SELECTED NMR SPECTRA***

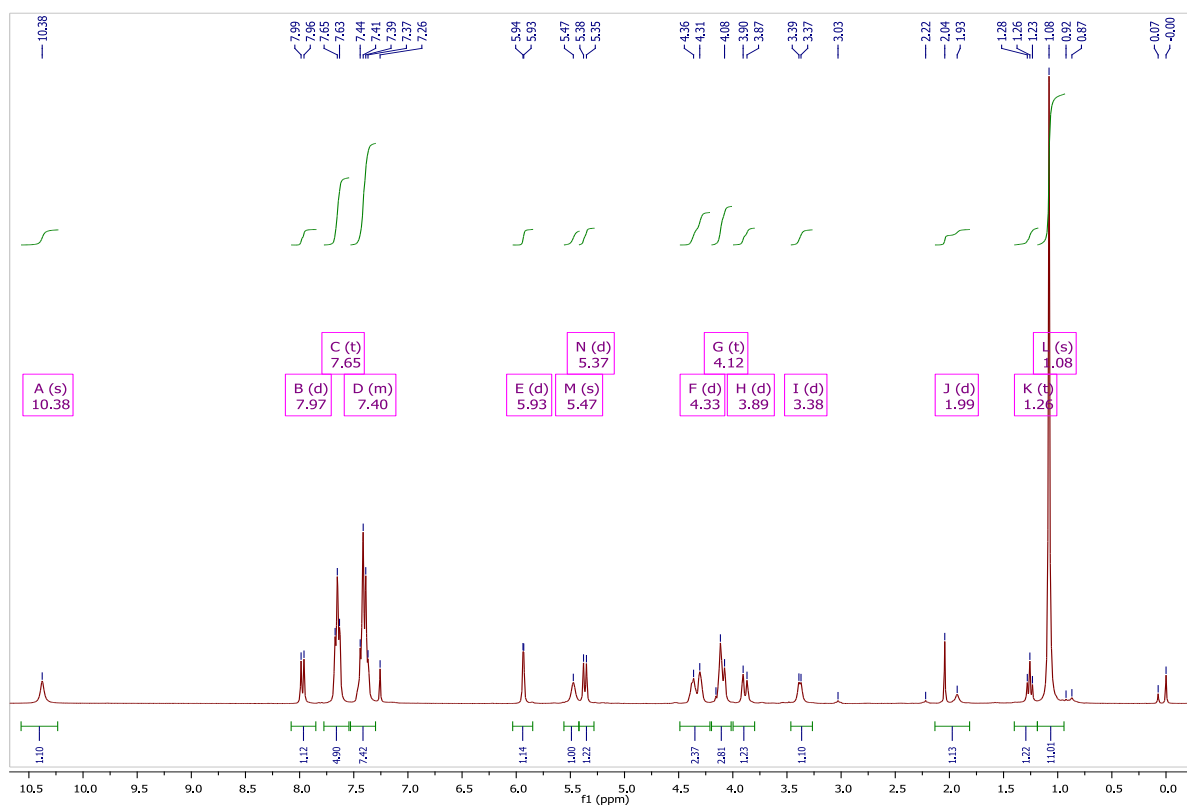
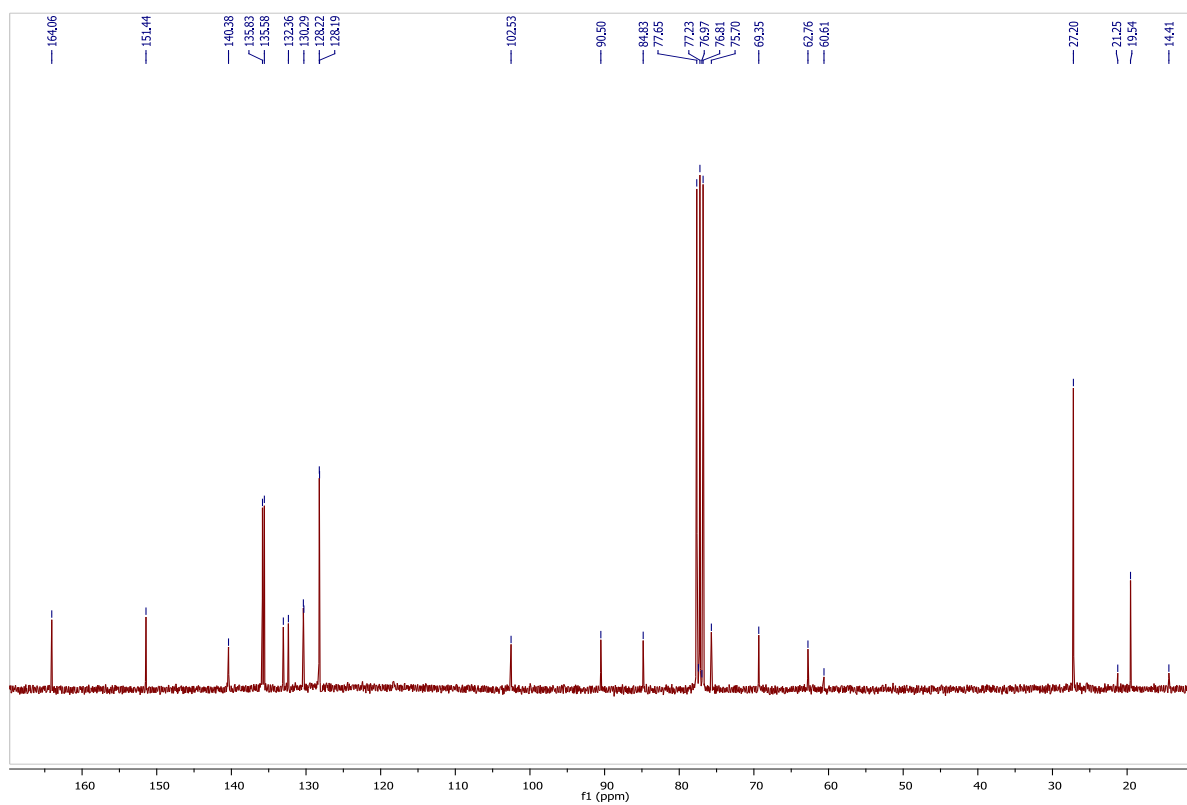
1'-O-Methoxy- α -(-)-ribose [101]

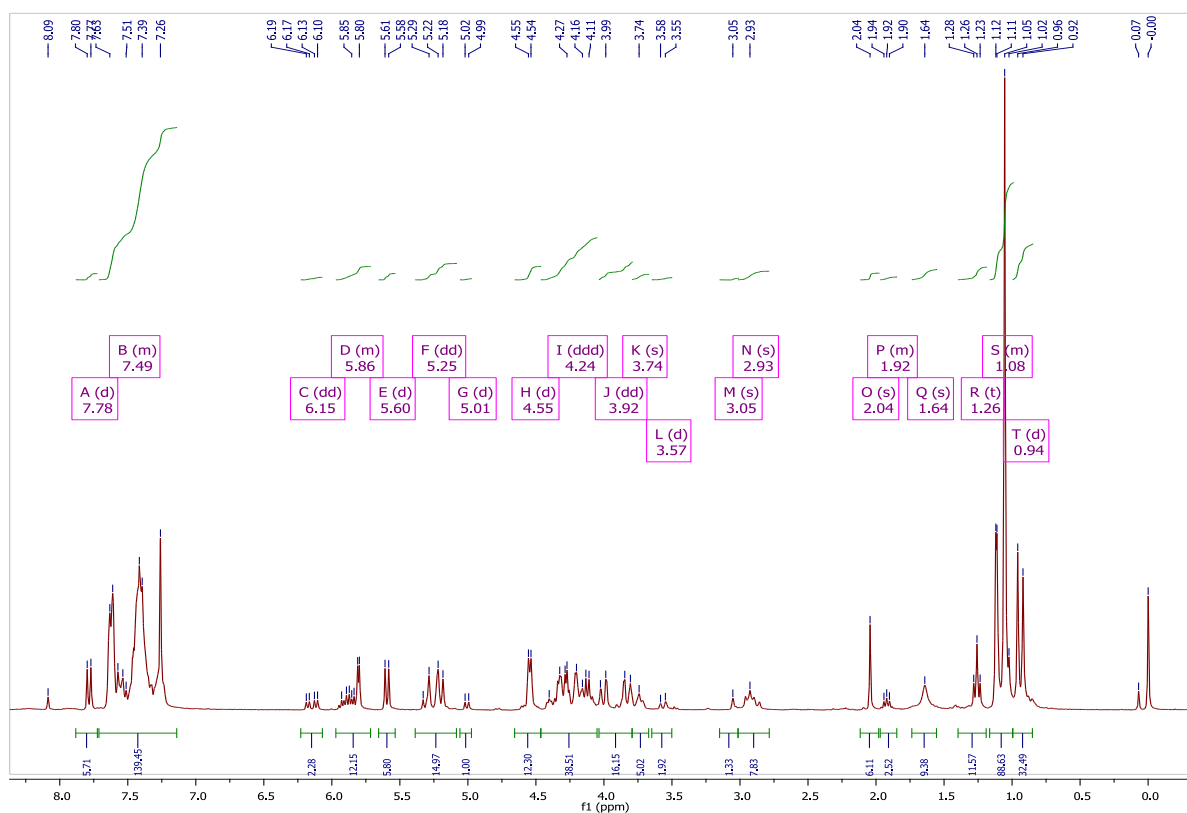
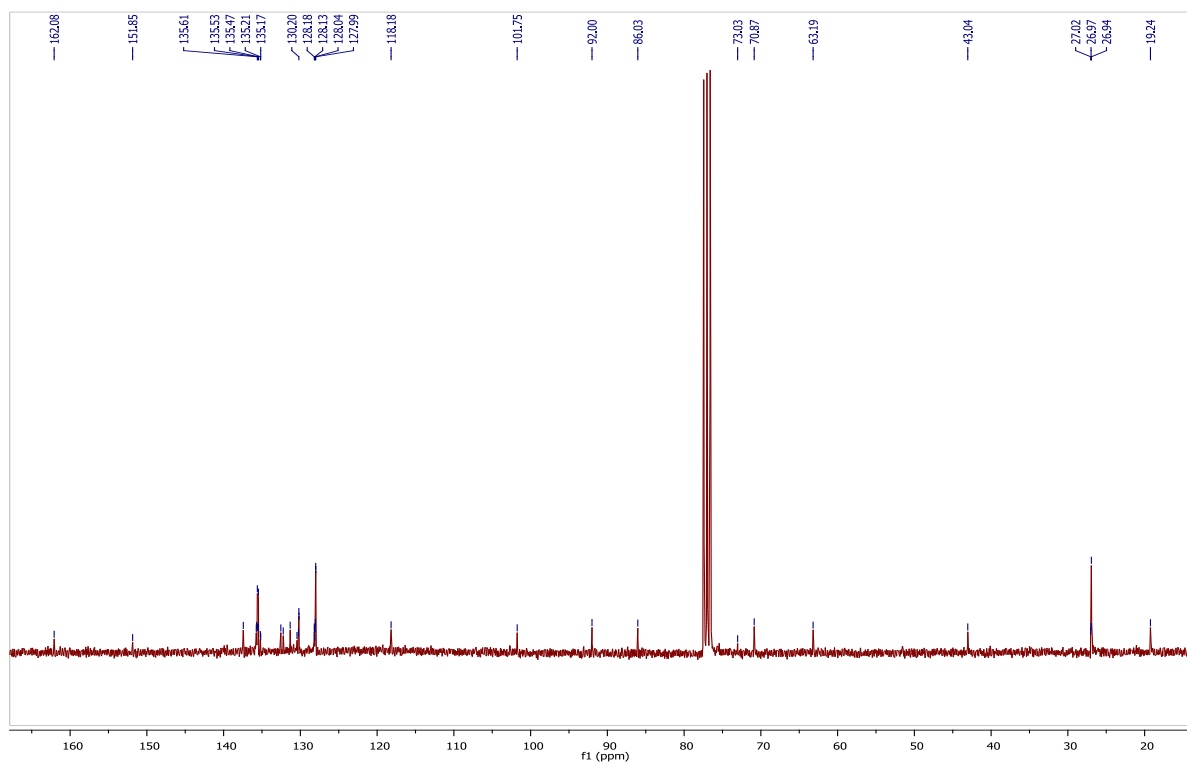
5'-O-(*tert*-Butyldiphenylsilyl)-1'-O-methoxy- β -(-)-ribose [102]

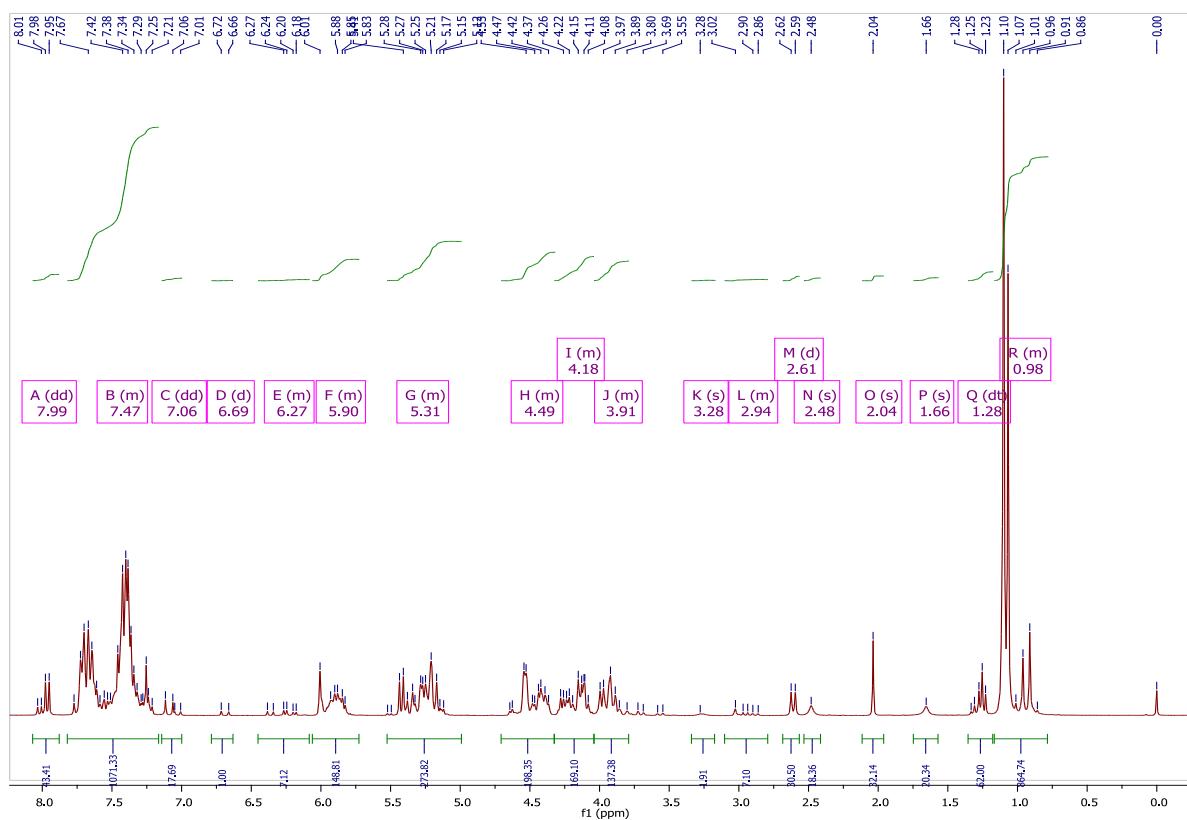
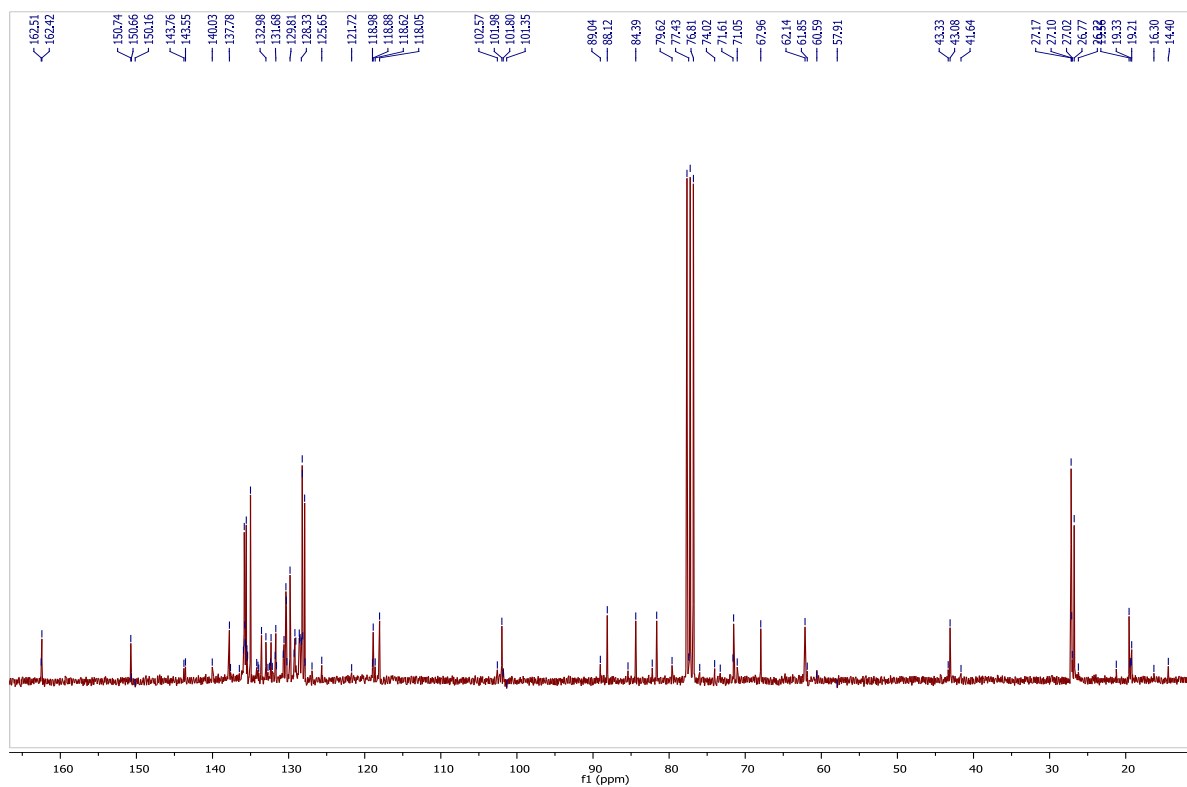
2',3'-O-Diallyl-5'-O-(*tert*-butyldiphenylsilyl)-1'-O-methoxy- α -(-)-ribose [103]

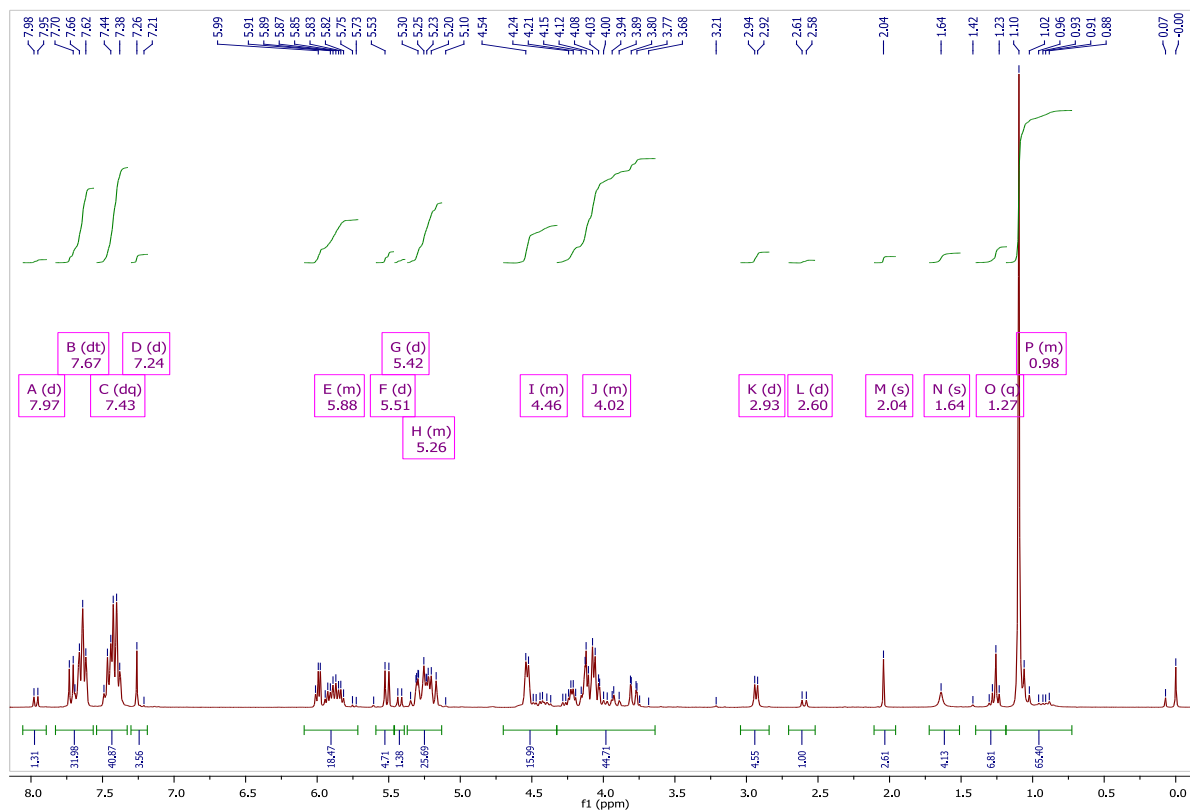
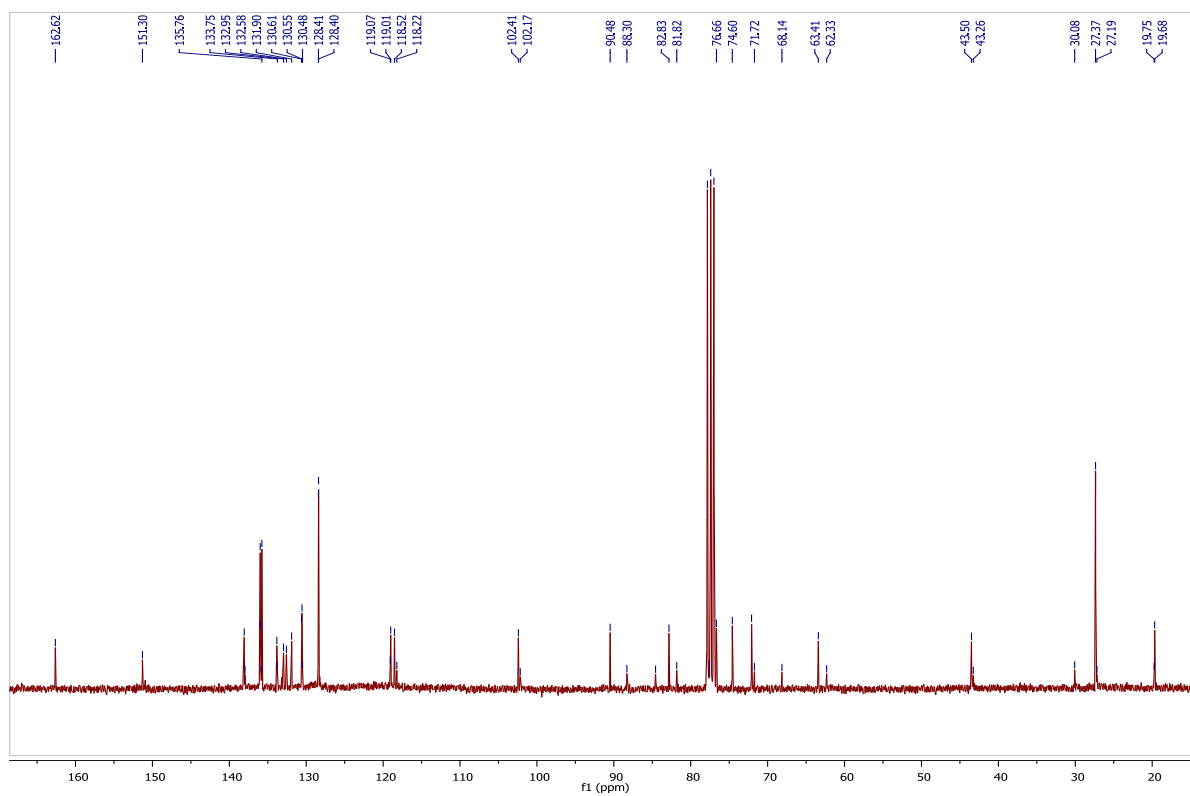


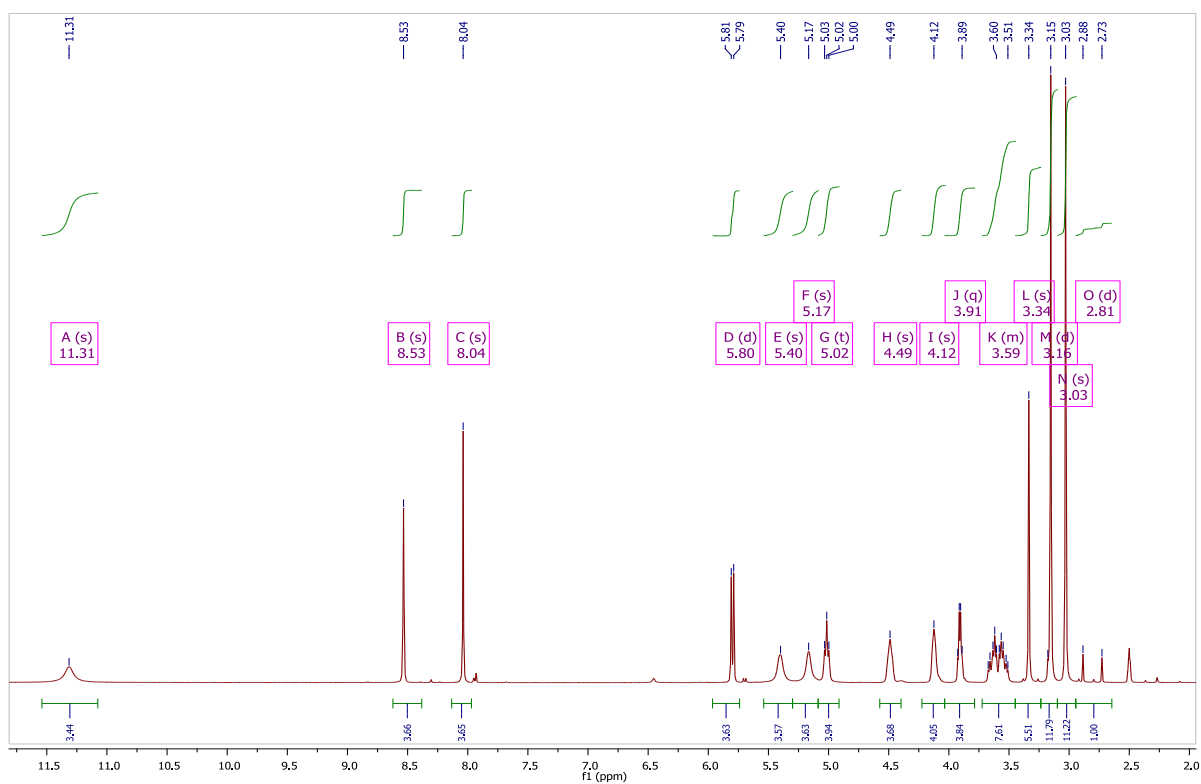
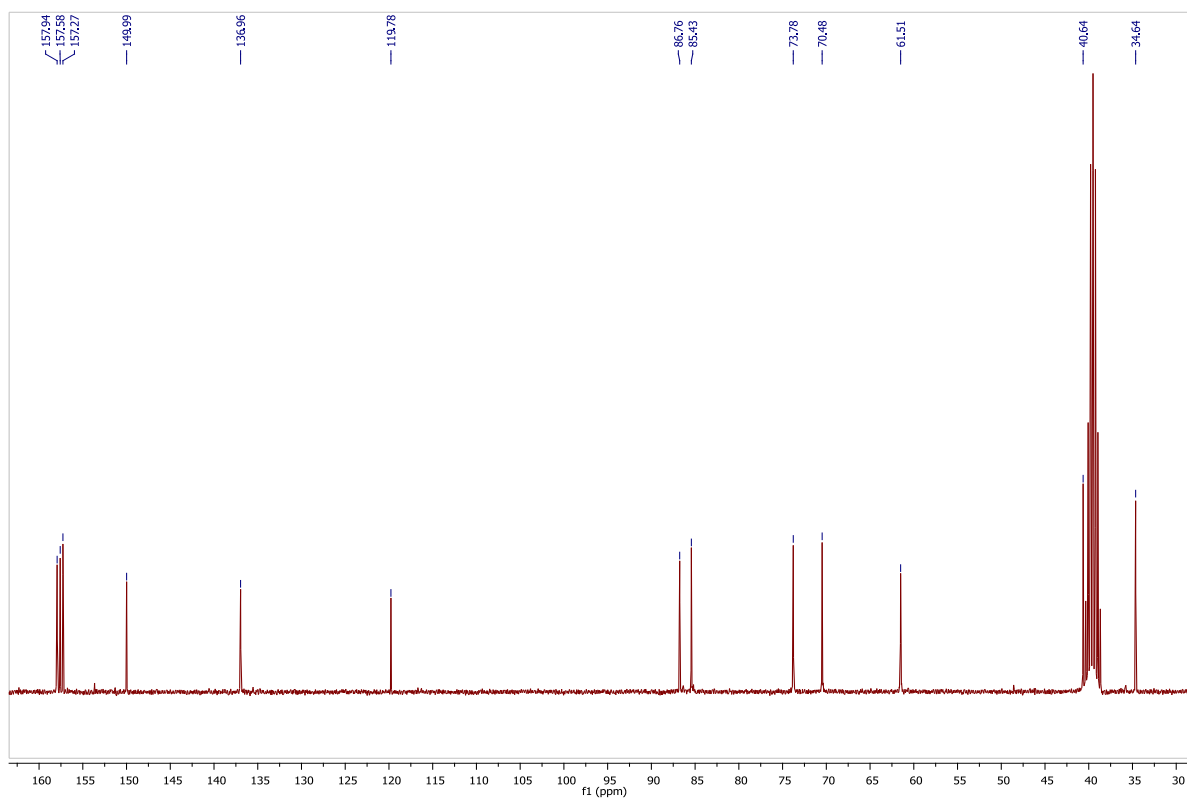
5'-O-(4,4'-Dimethoxytrityl)-1'-O-methoxy- α -(-)-ribose [105]

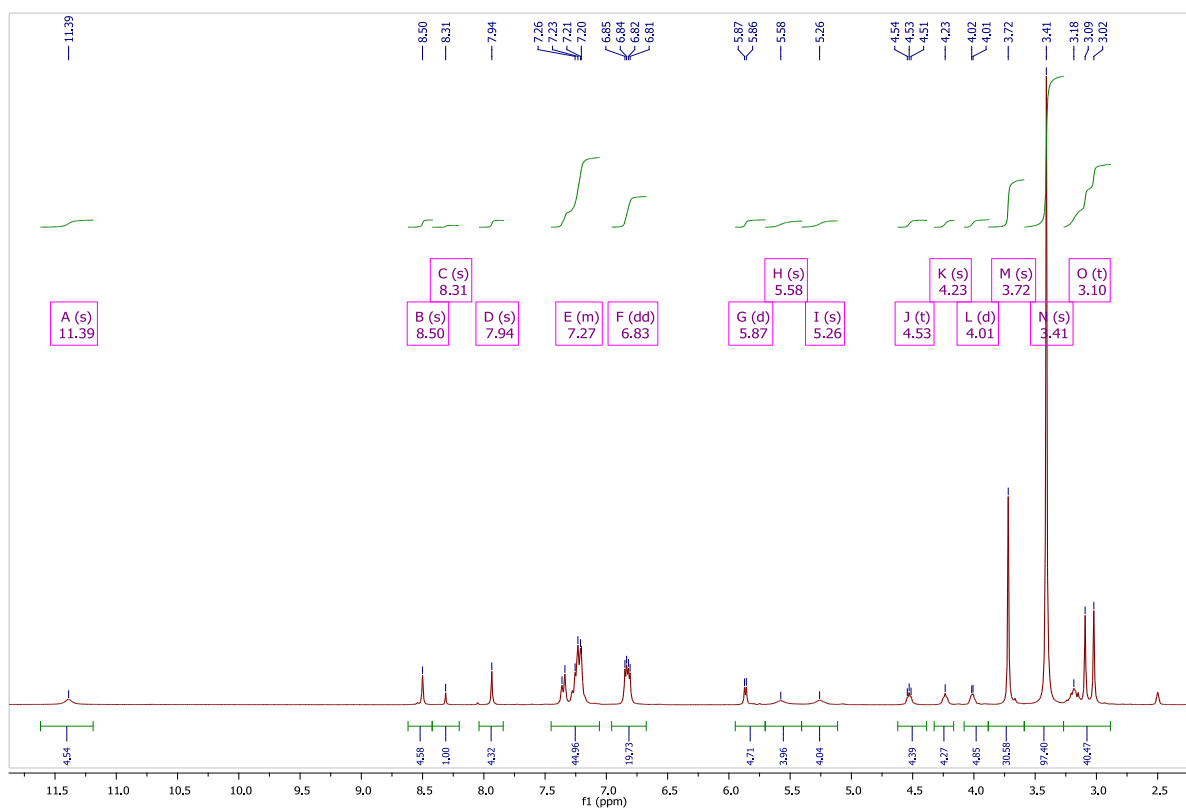
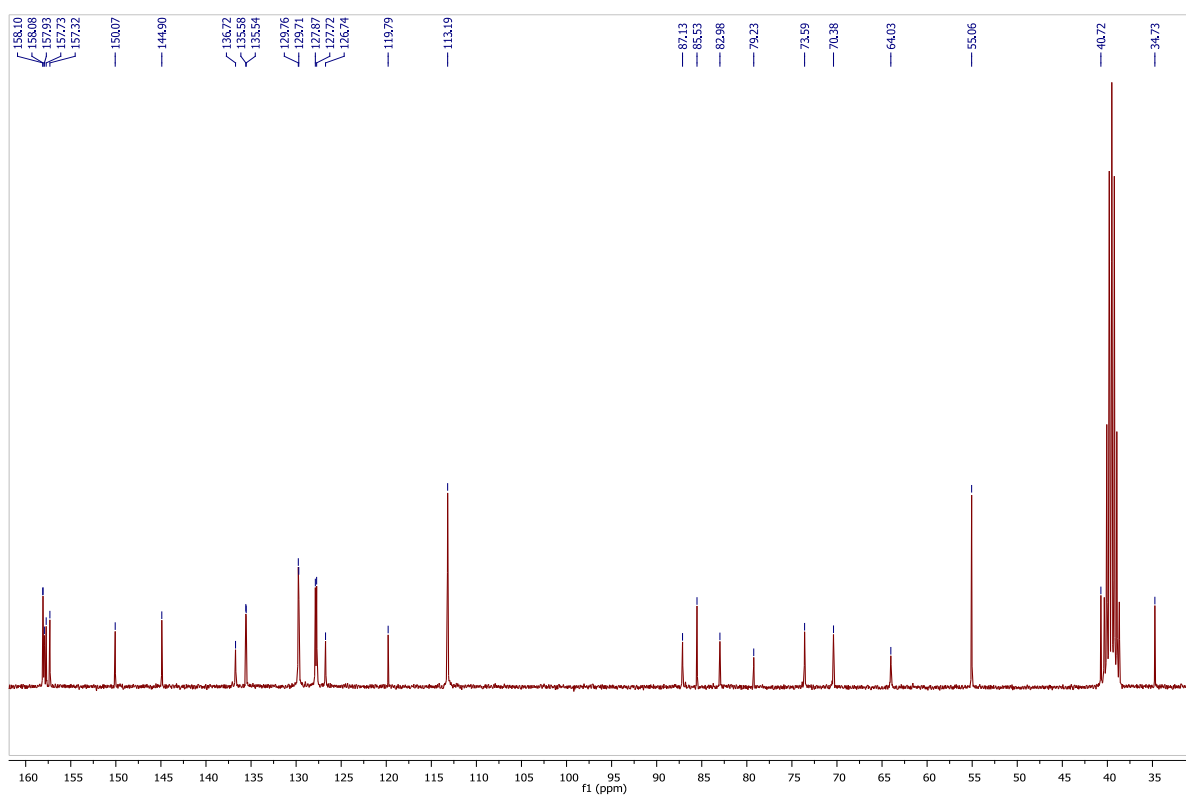
5'-O-(*tert*-Butyldiphenylsilyl)uridine[107]

3-N-Allyl-5'-O-(*tert*-butyldiphenylsilyl)uridine[109]

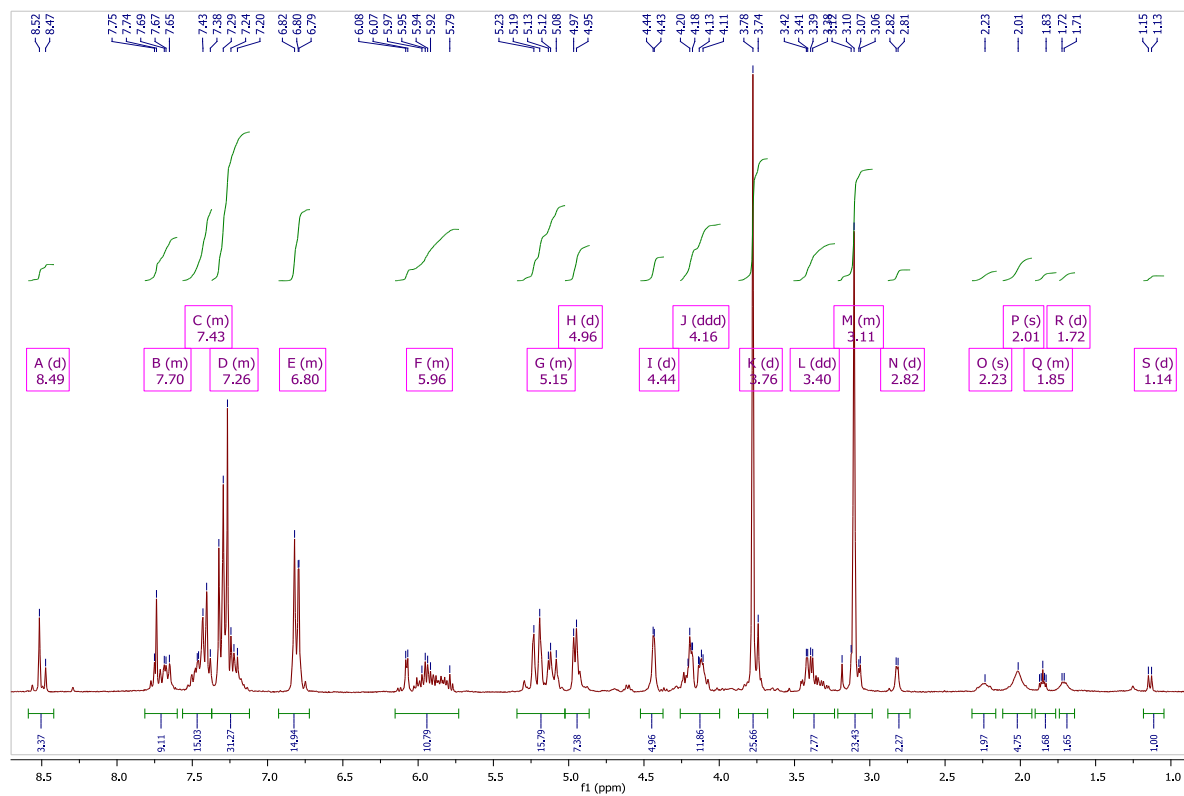
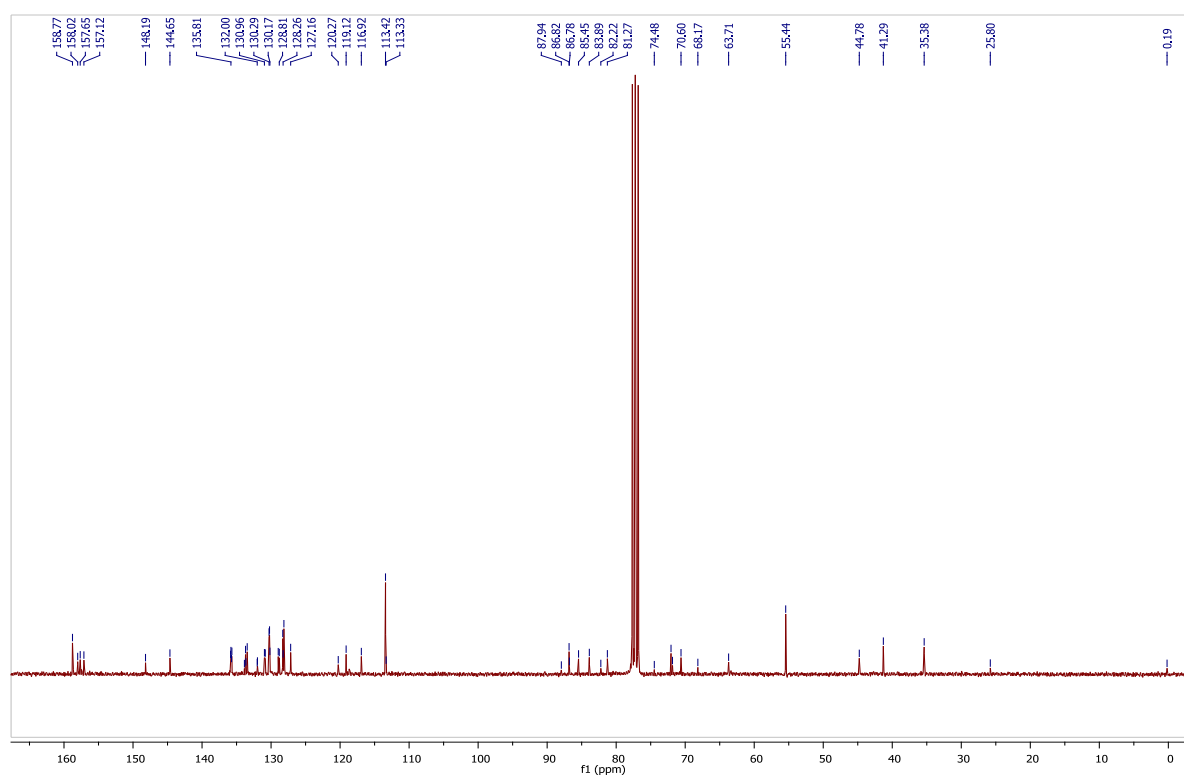
3-N-Allyl-2'-O-allyl-5'-O-(tert-butyldiphenylsilyl)uridine[110]

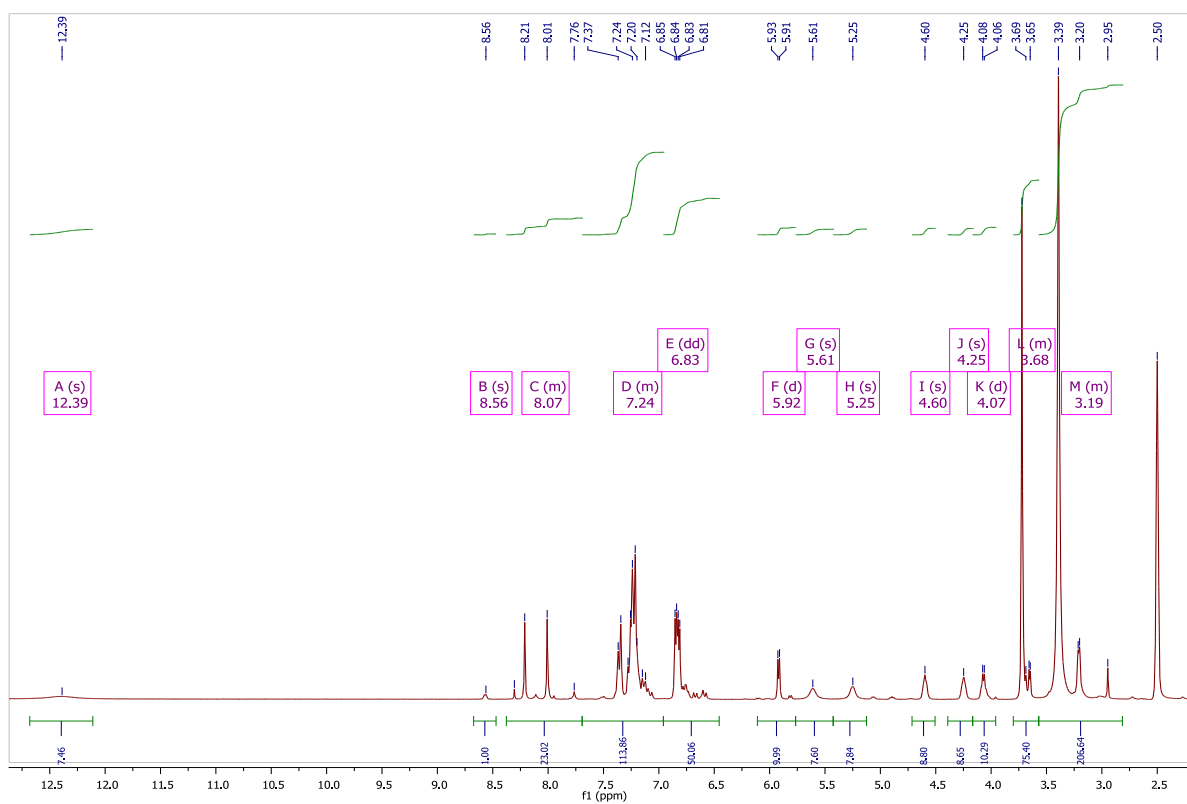
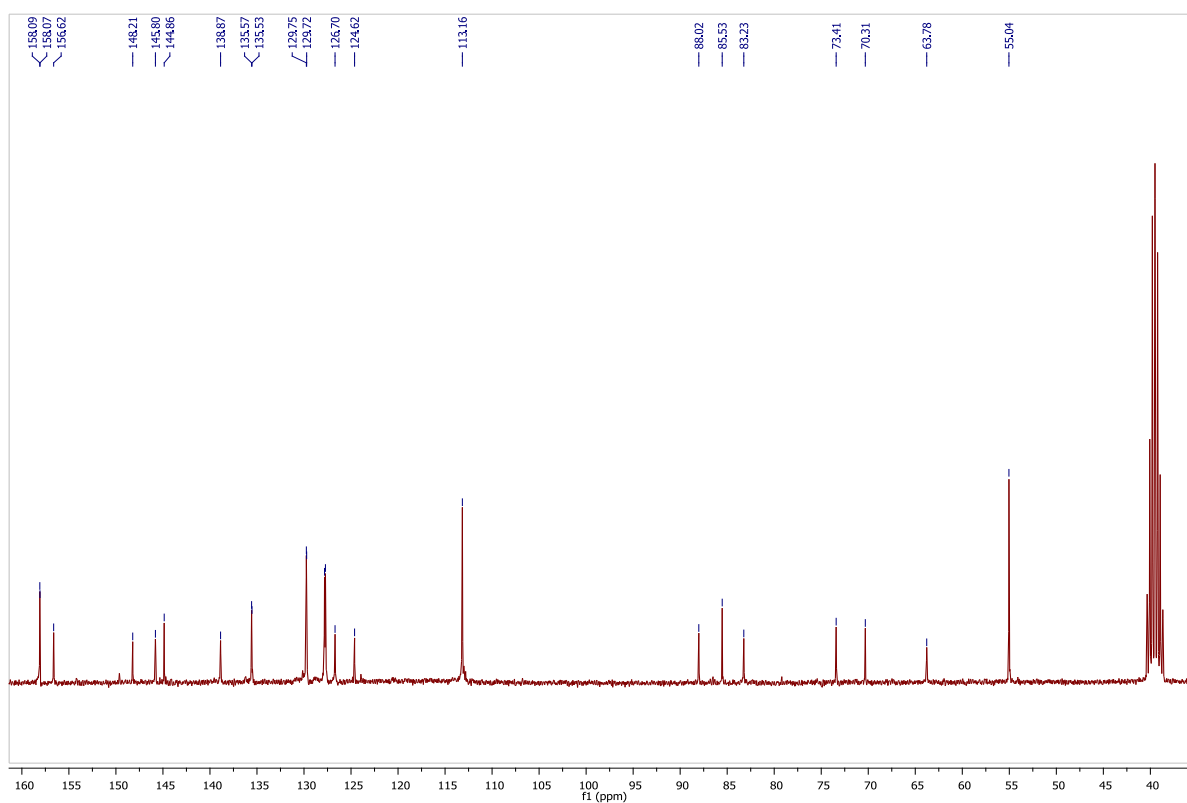
3-N-Allyl-3'-O-allyl-5'-O-(tert-butyldiphenylsilyl)uridine[111]

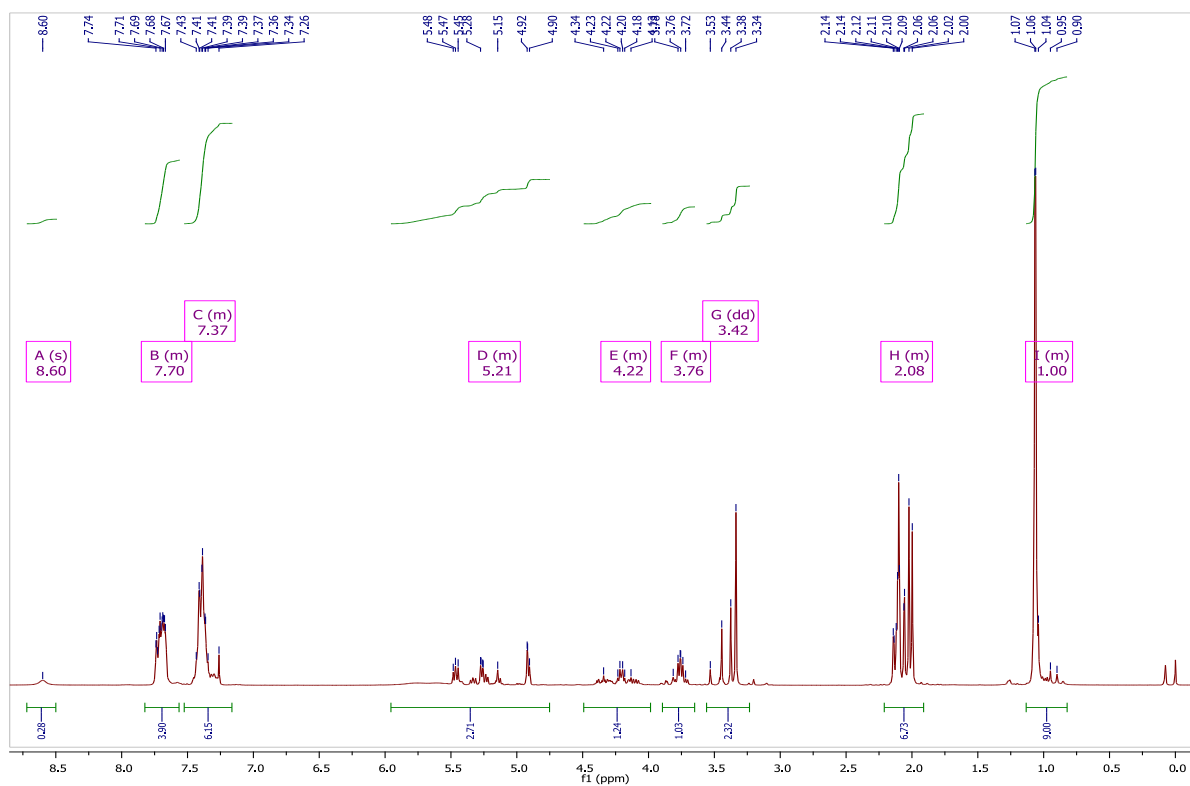
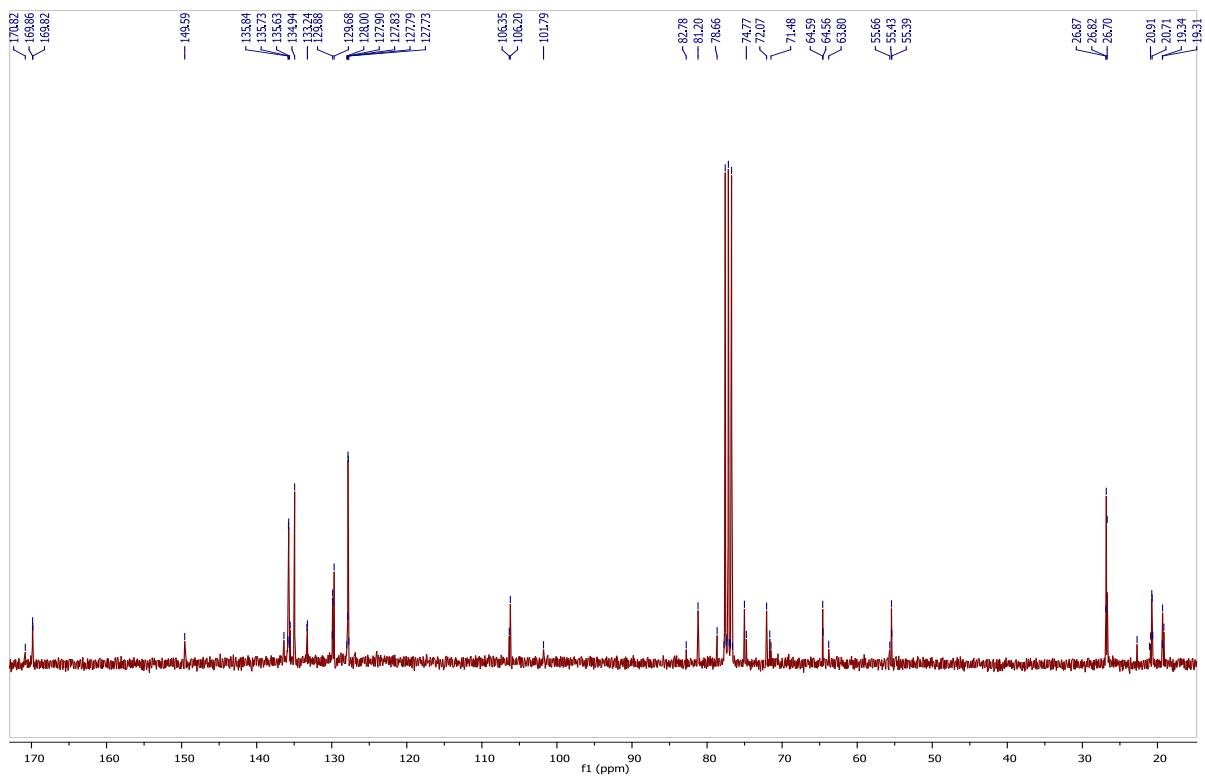
6-*N,N*-Dimethylmethylimine)guanosine [112]

5'-O-(4,4'-Dimethoxytrityl)-6-N-(*N,N*-dimethylmethanimine)guanosine [113]

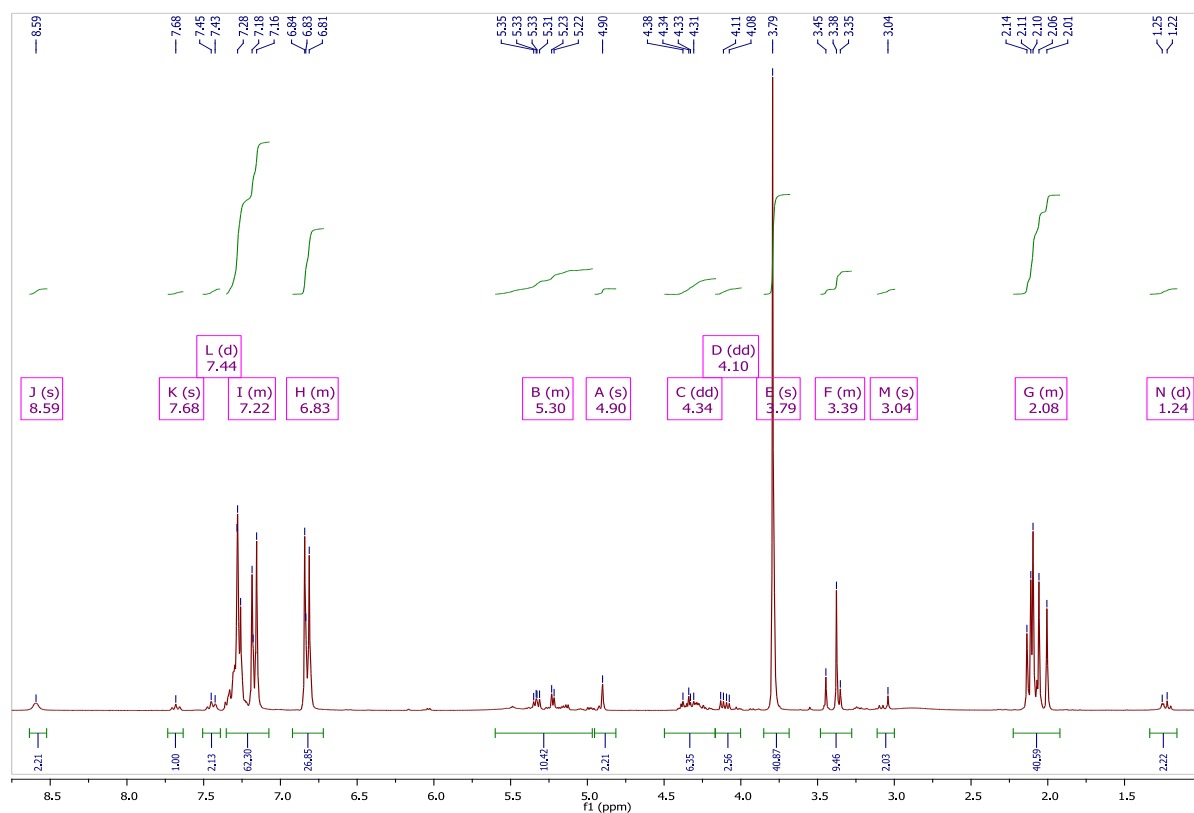
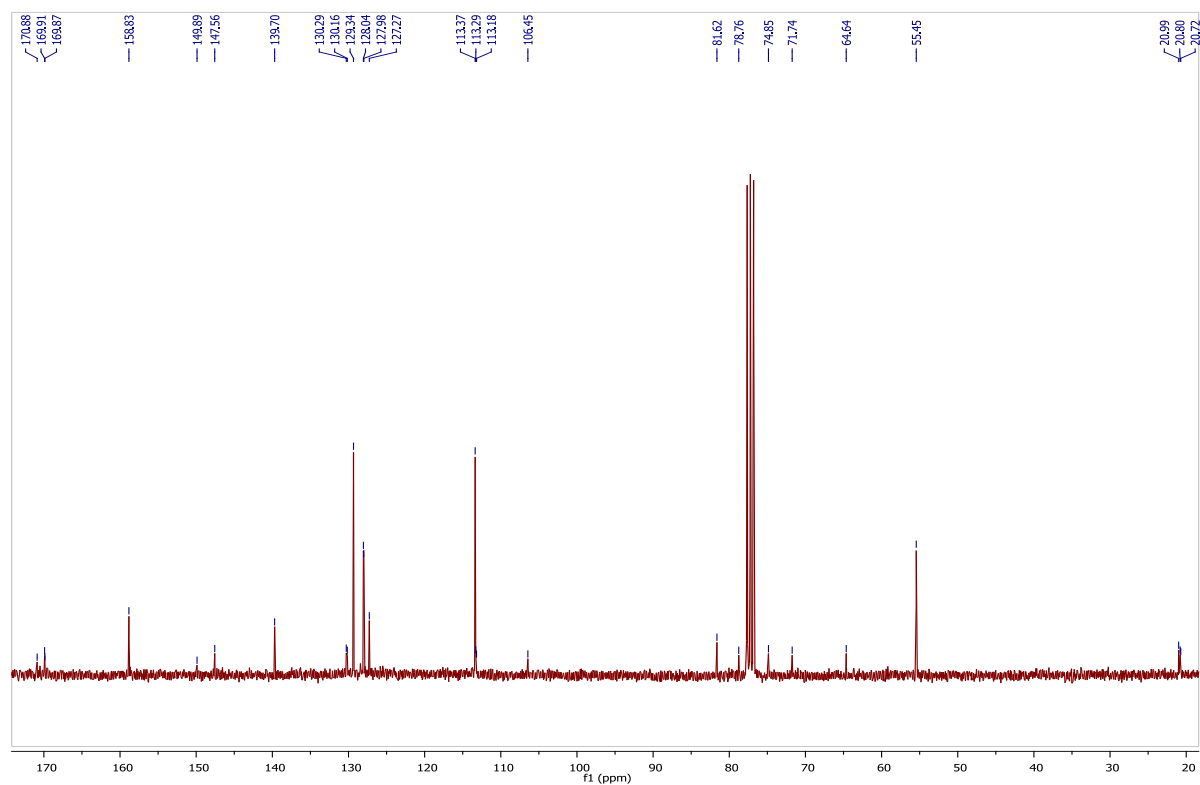
2',3'-O-Diallyl-5'-O-(4,4'-dimethoxytrityl)-6-N-(N,N-dimethylmethyl-imine)guanosine [114]

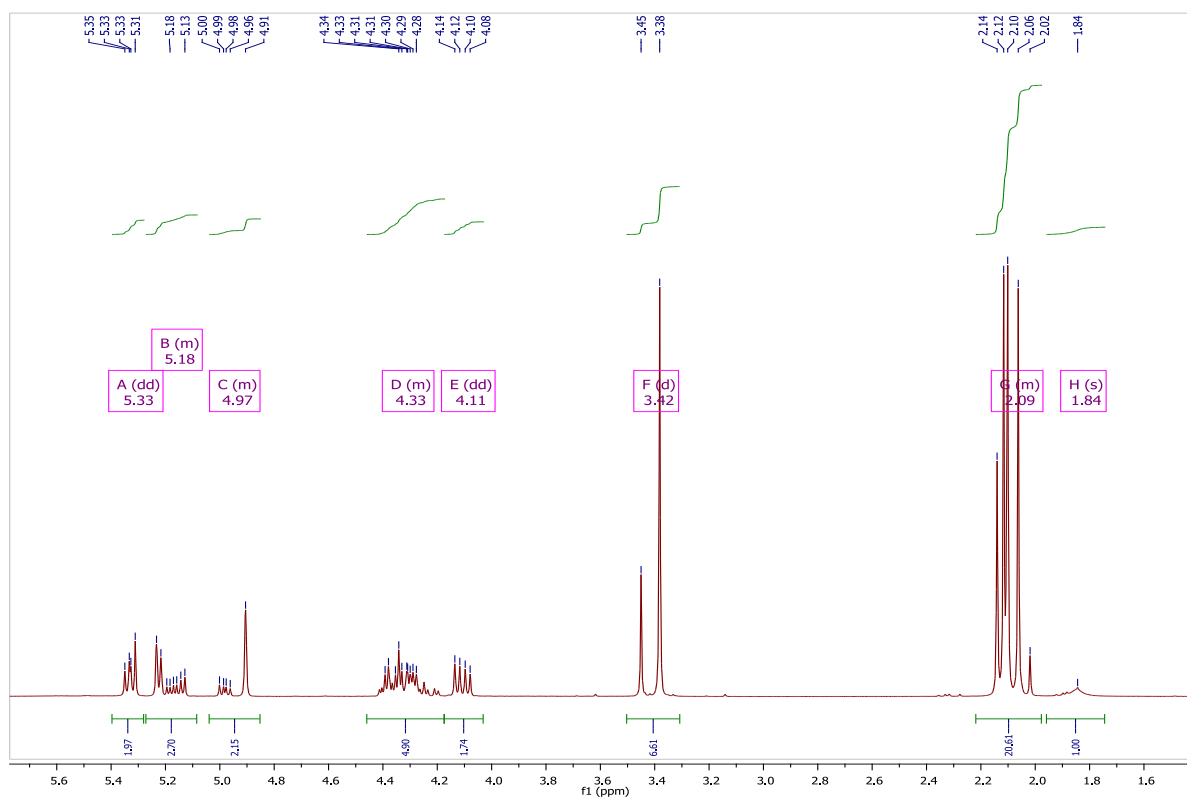
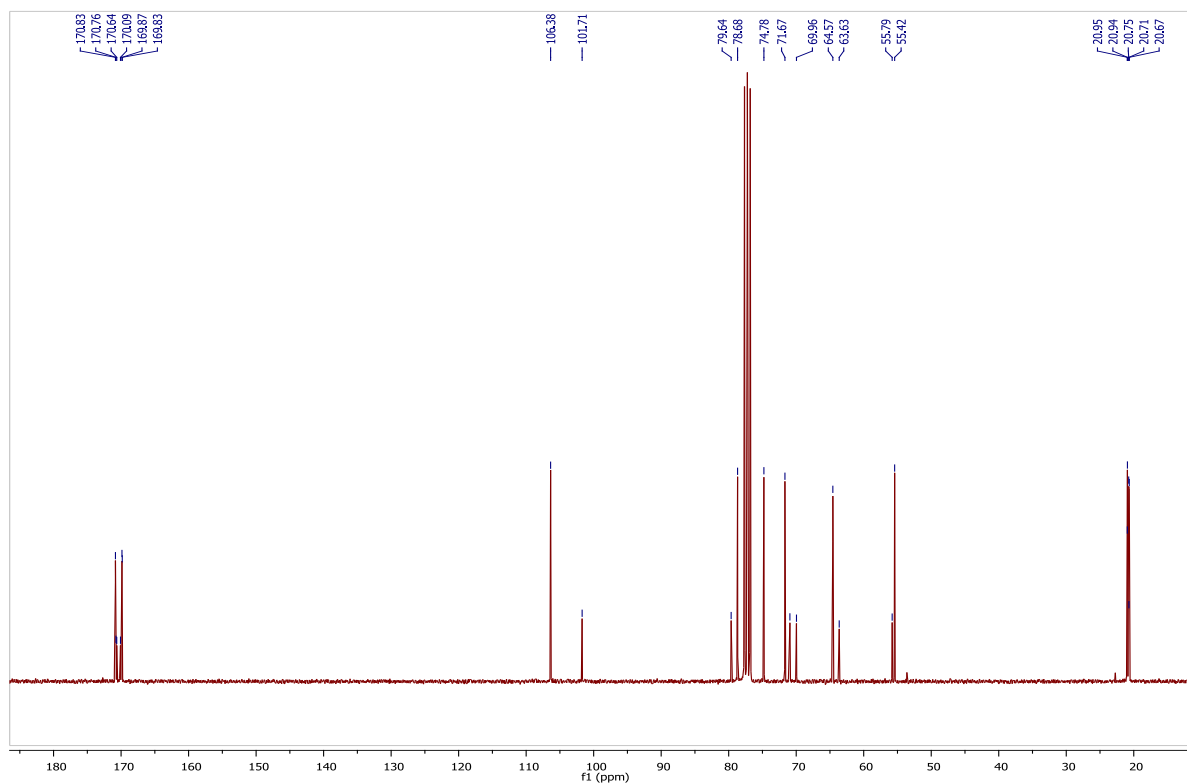


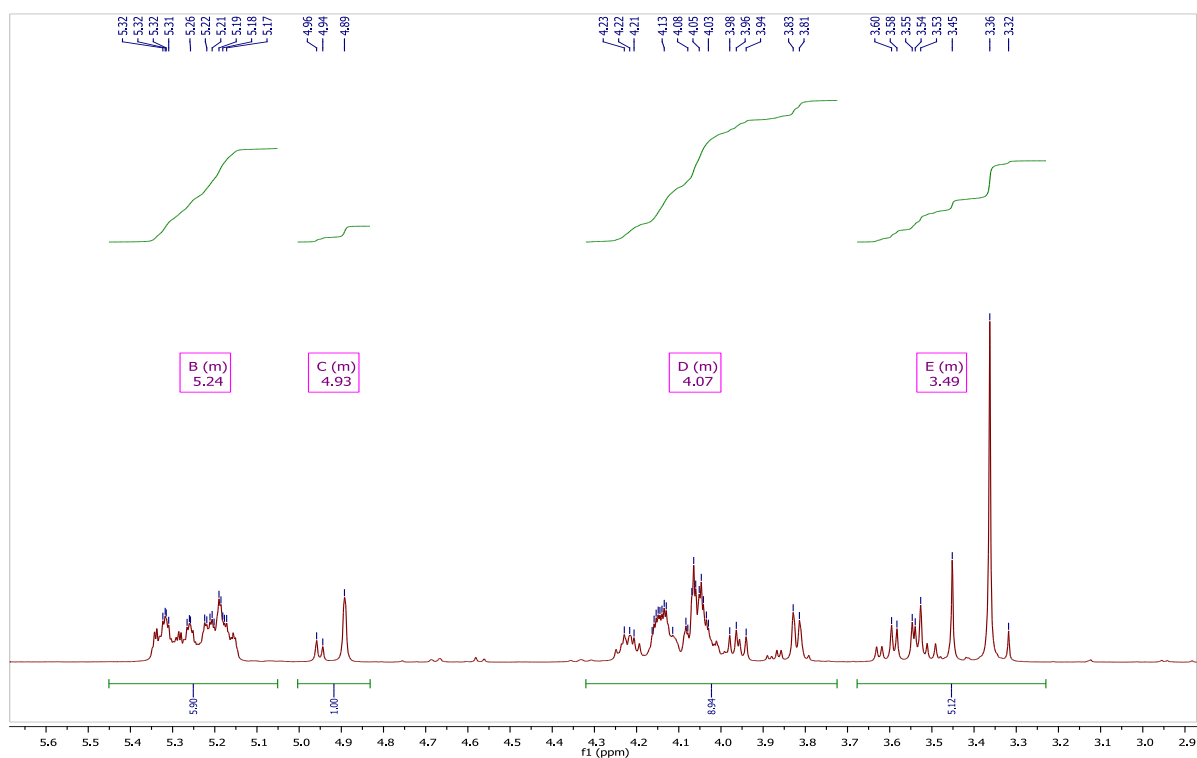
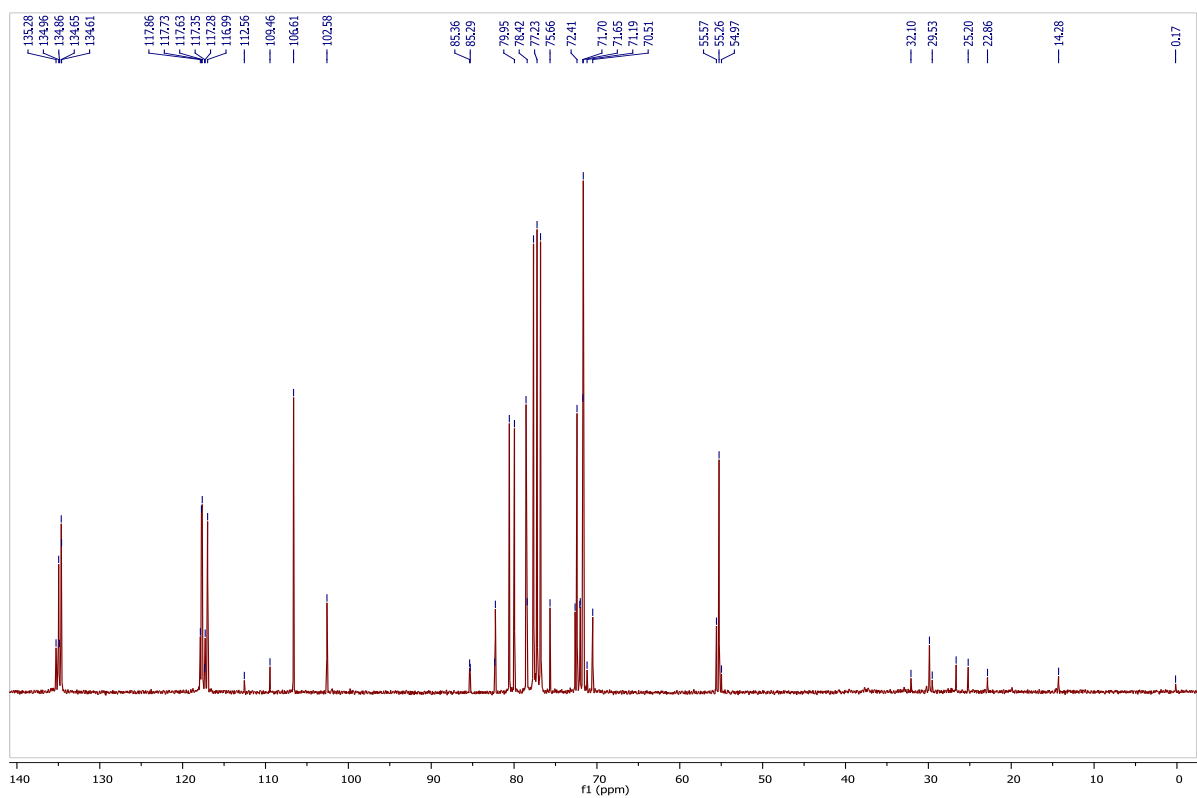
5'-O-(4,4'-Dimethoxytrityl)inosine [117]

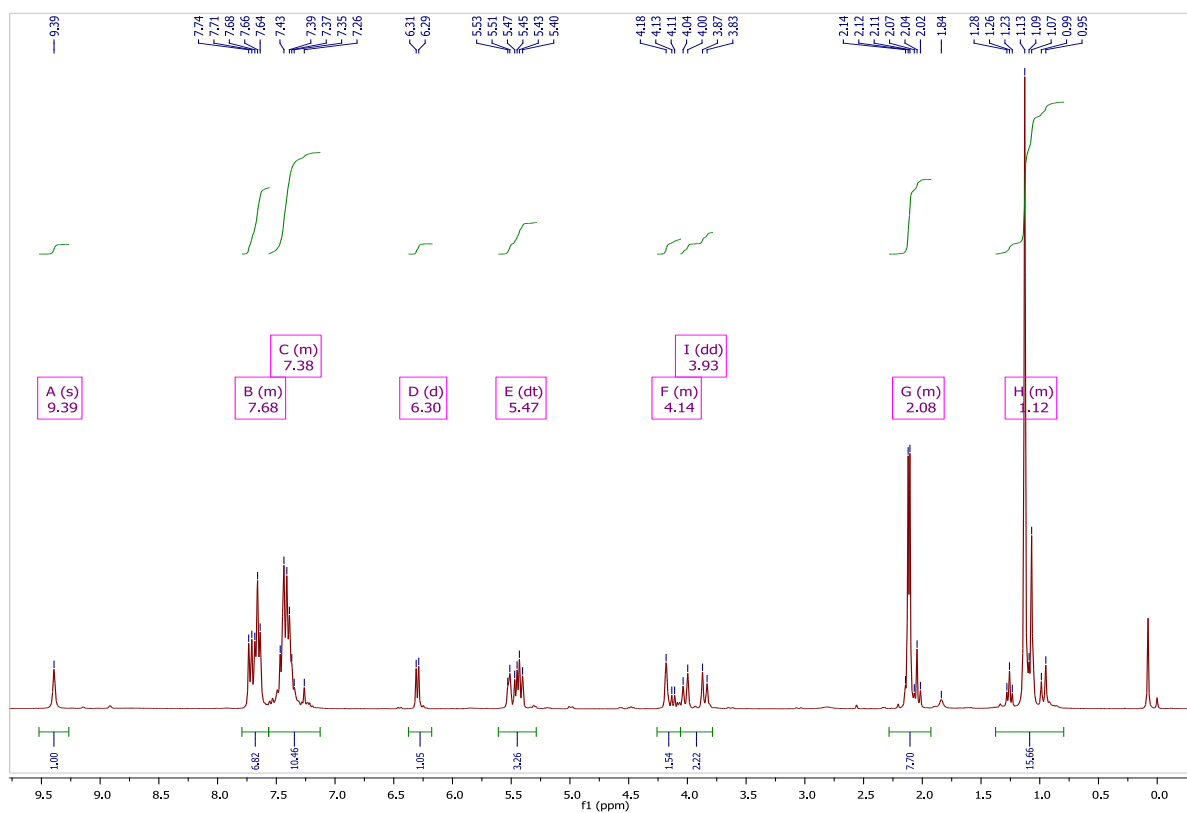
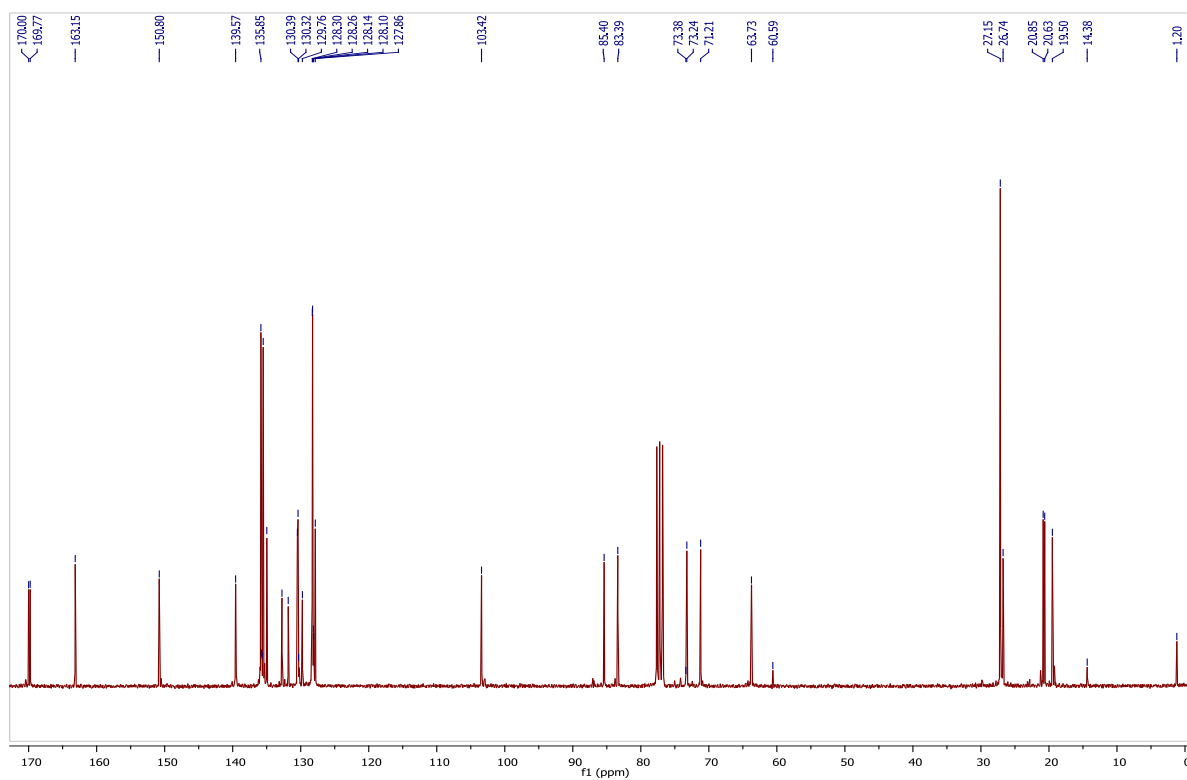
2',3'-O-Diacetyl-5'-O-(*tert*-butyldiphenylsilyl)-1'-O-methoxy- α -(-)-ribose [119]

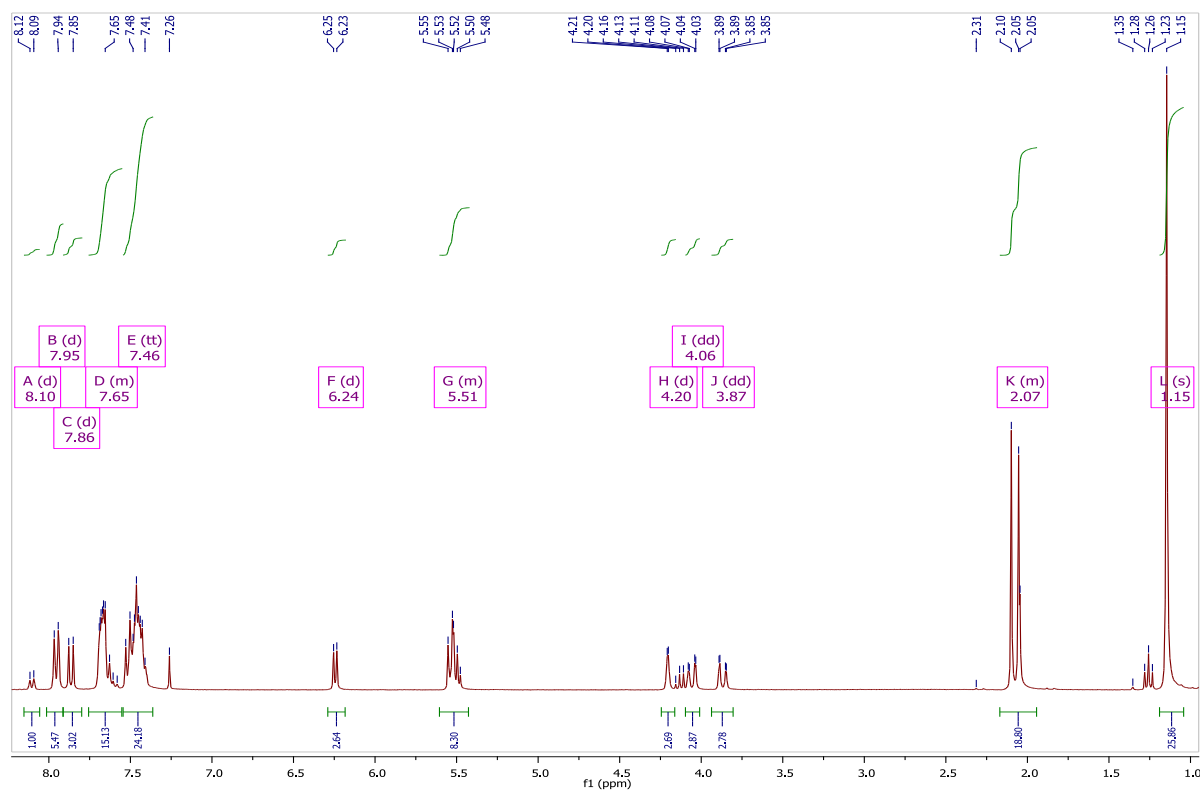
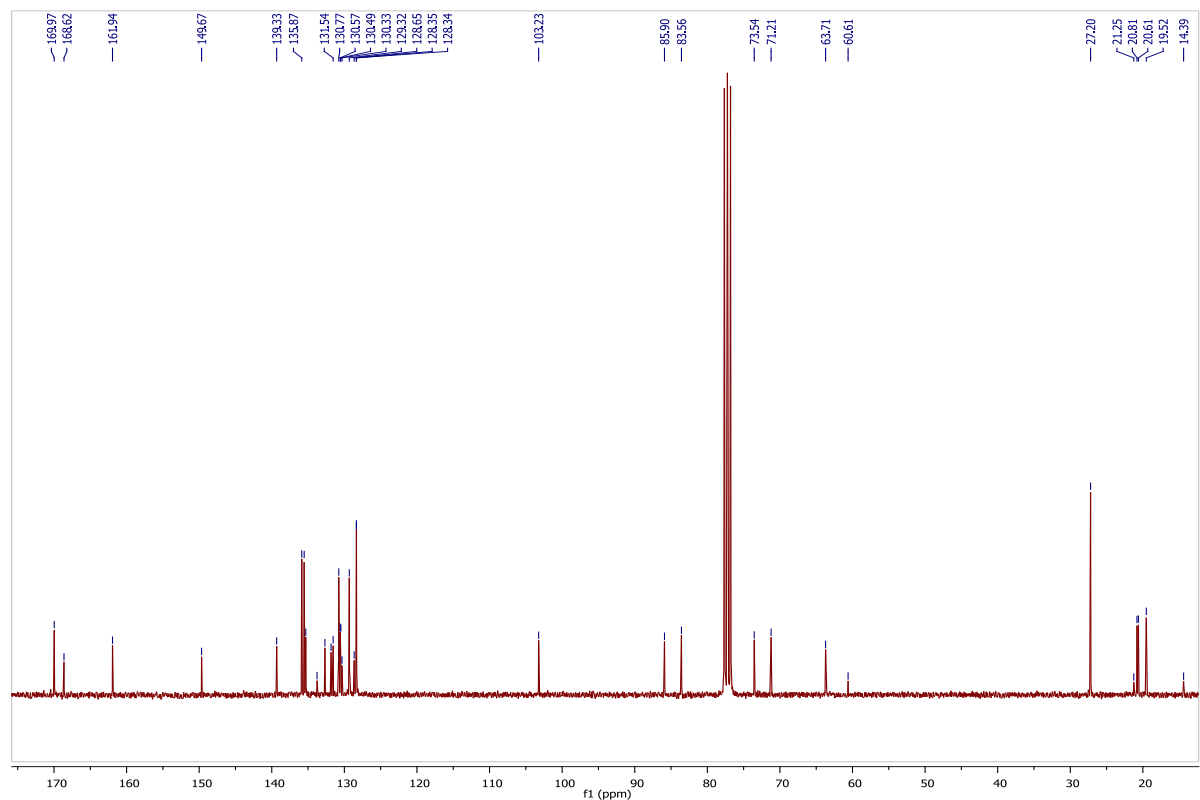
2',3'-O-Diacetyl-5'-O-(4,4'-dimethoxytrityl)-1'-O-methoxy- α -(-)-ribose [120]

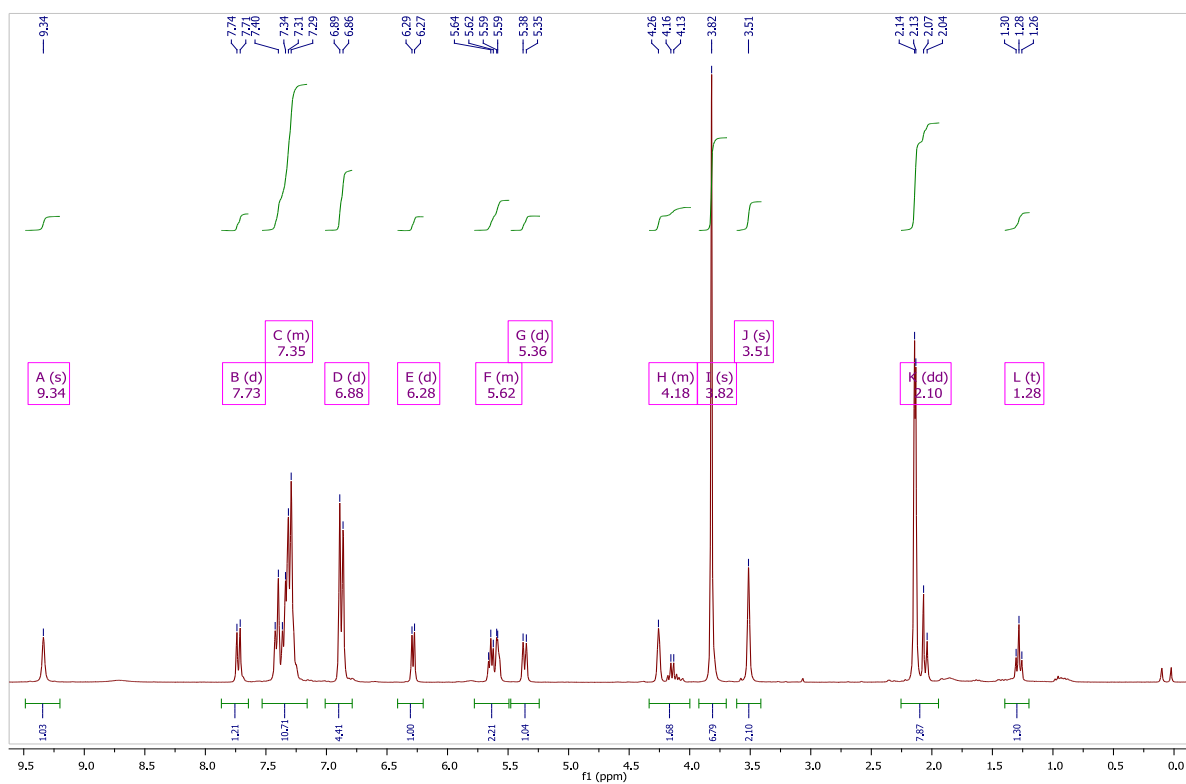
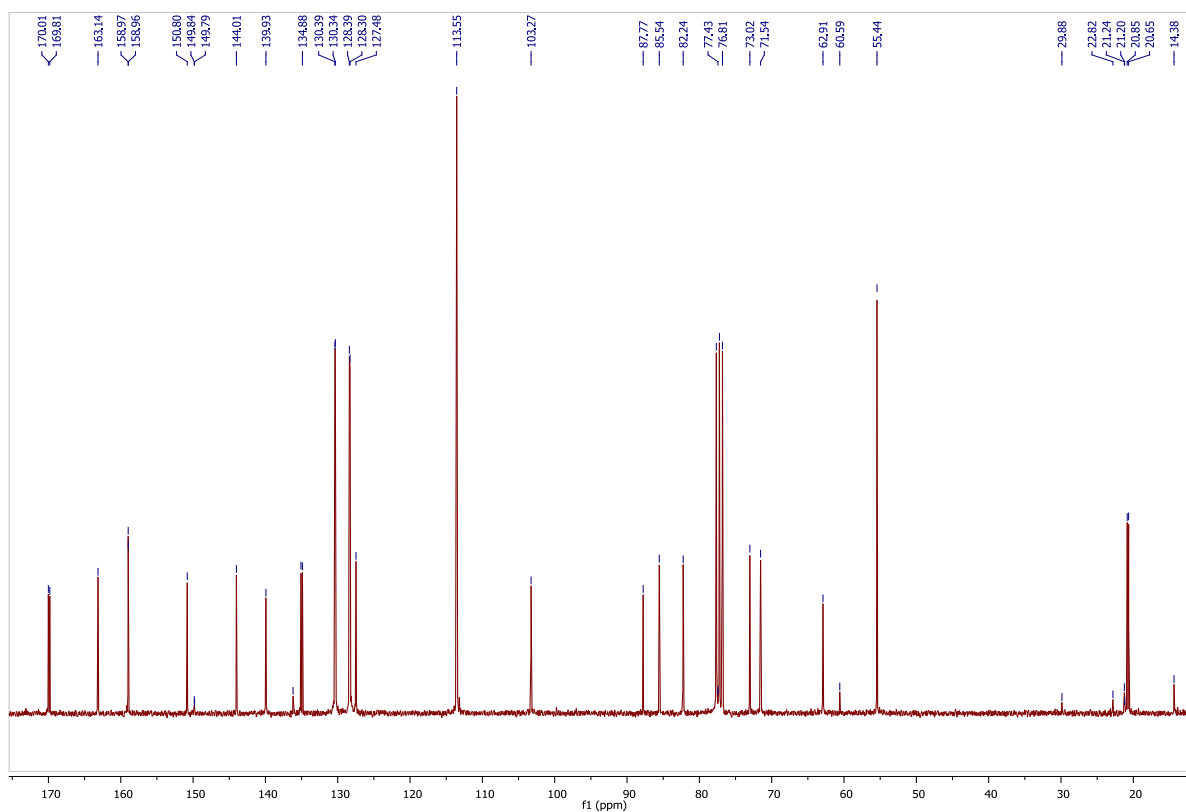


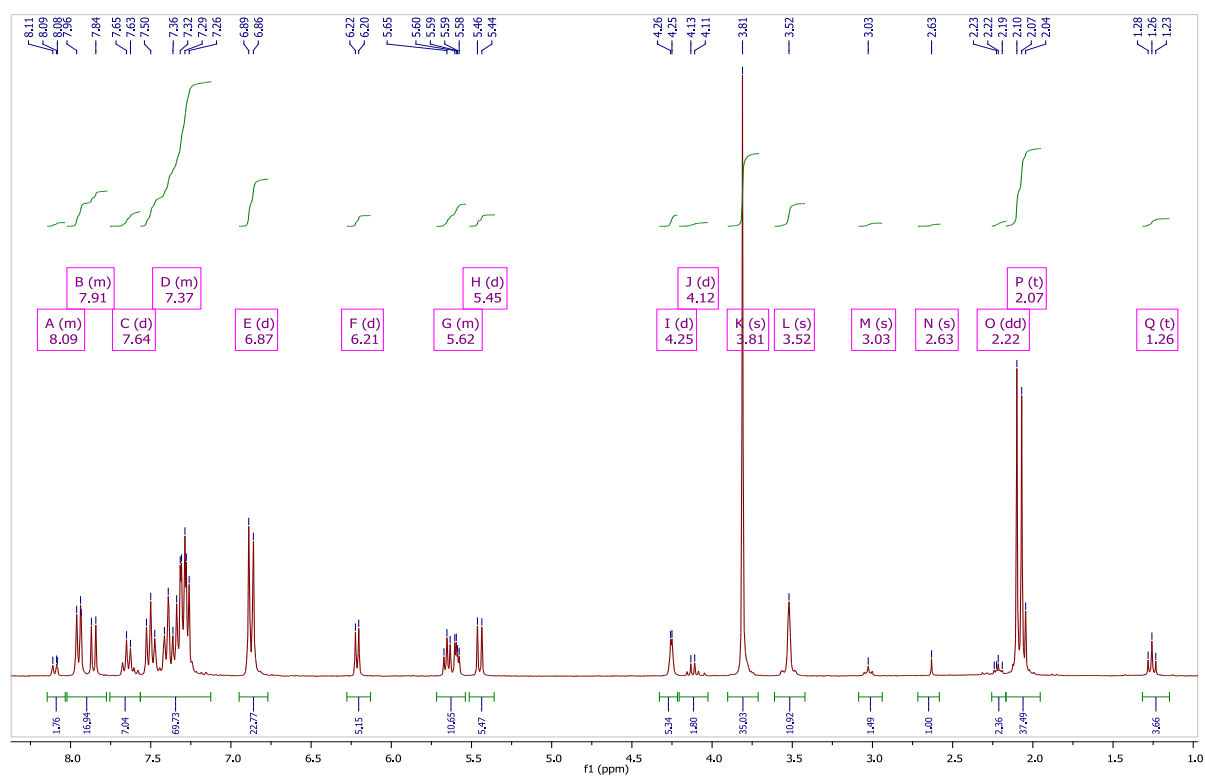
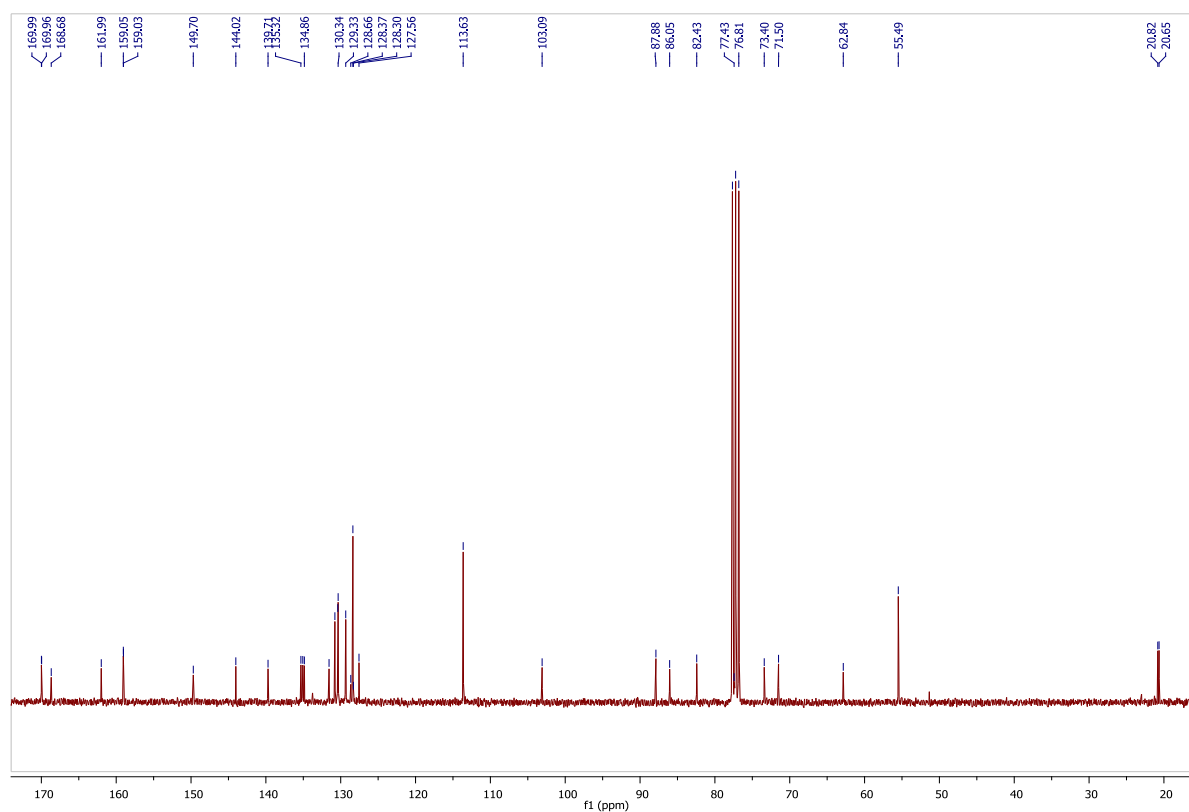
2',3',5'-O-Triacetyl-1'-O-methoxy- α -(-)-ribose [121]

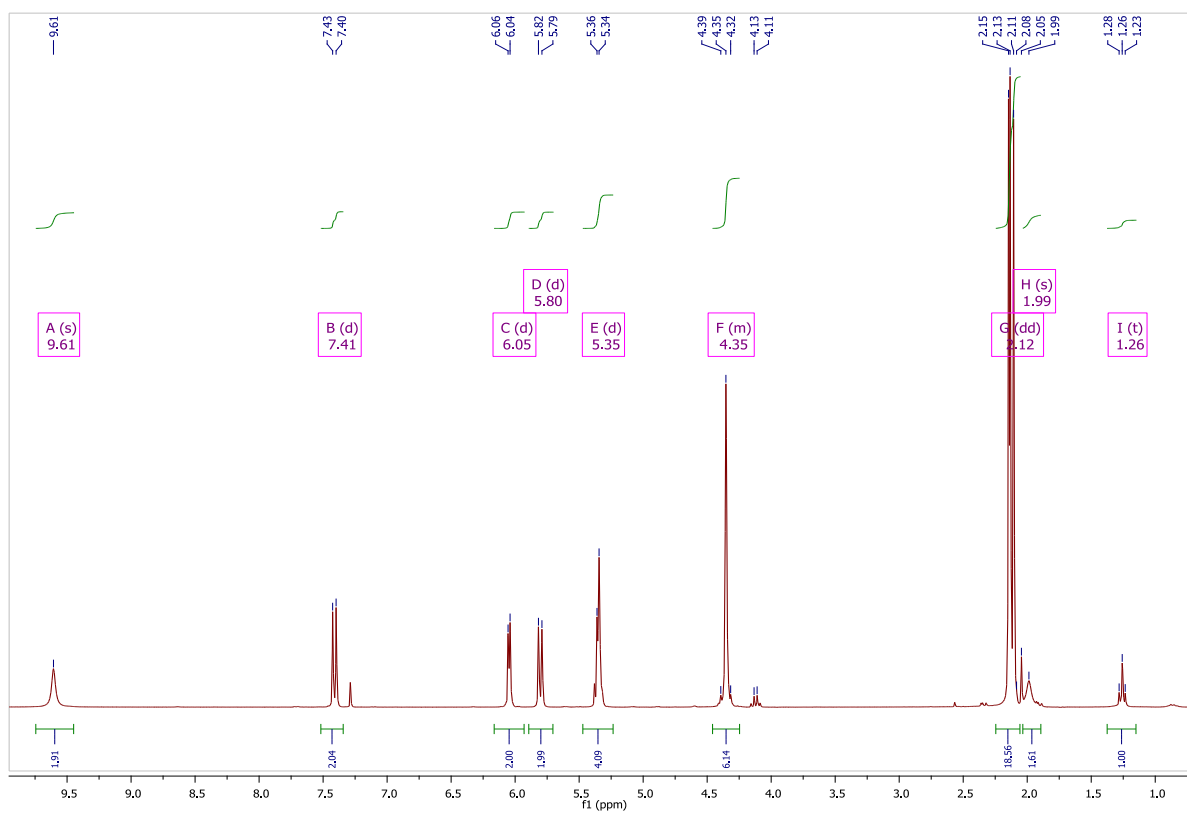
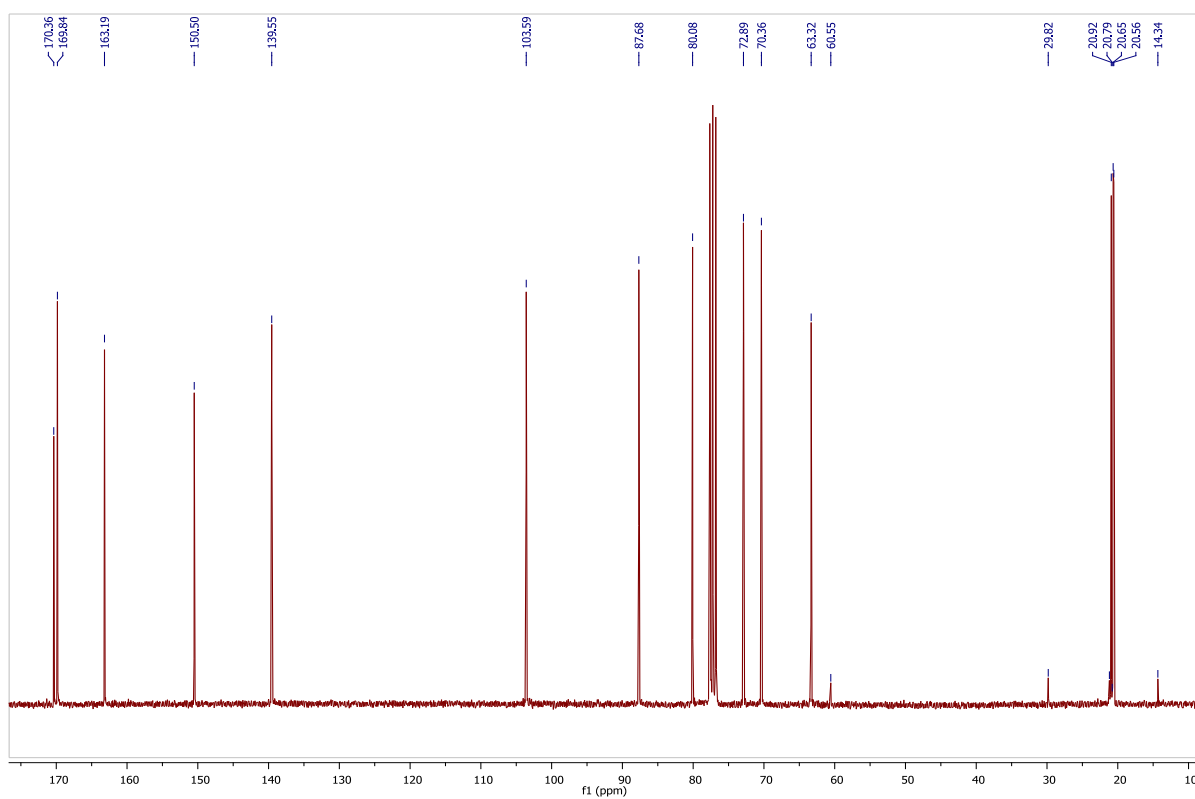
2',3',5'-O-Triallyl-1'-O-methoxy- α -(-)-ribose [122]

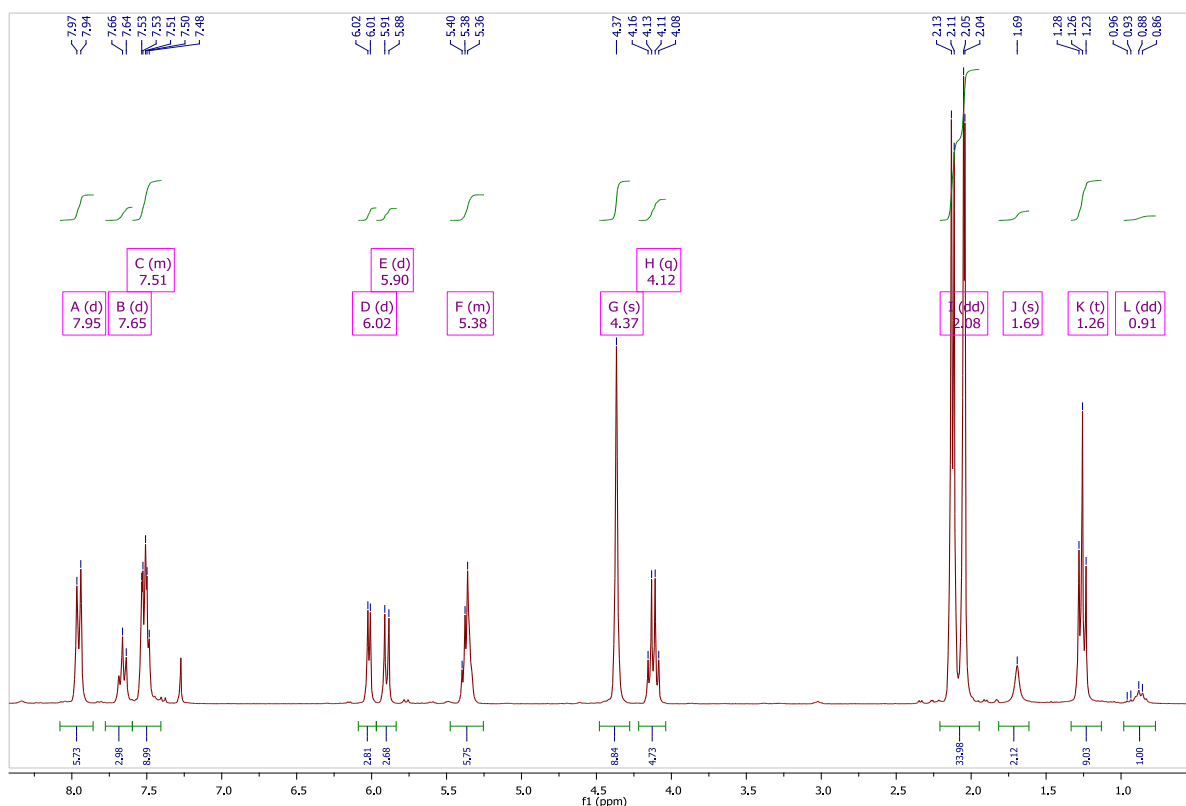
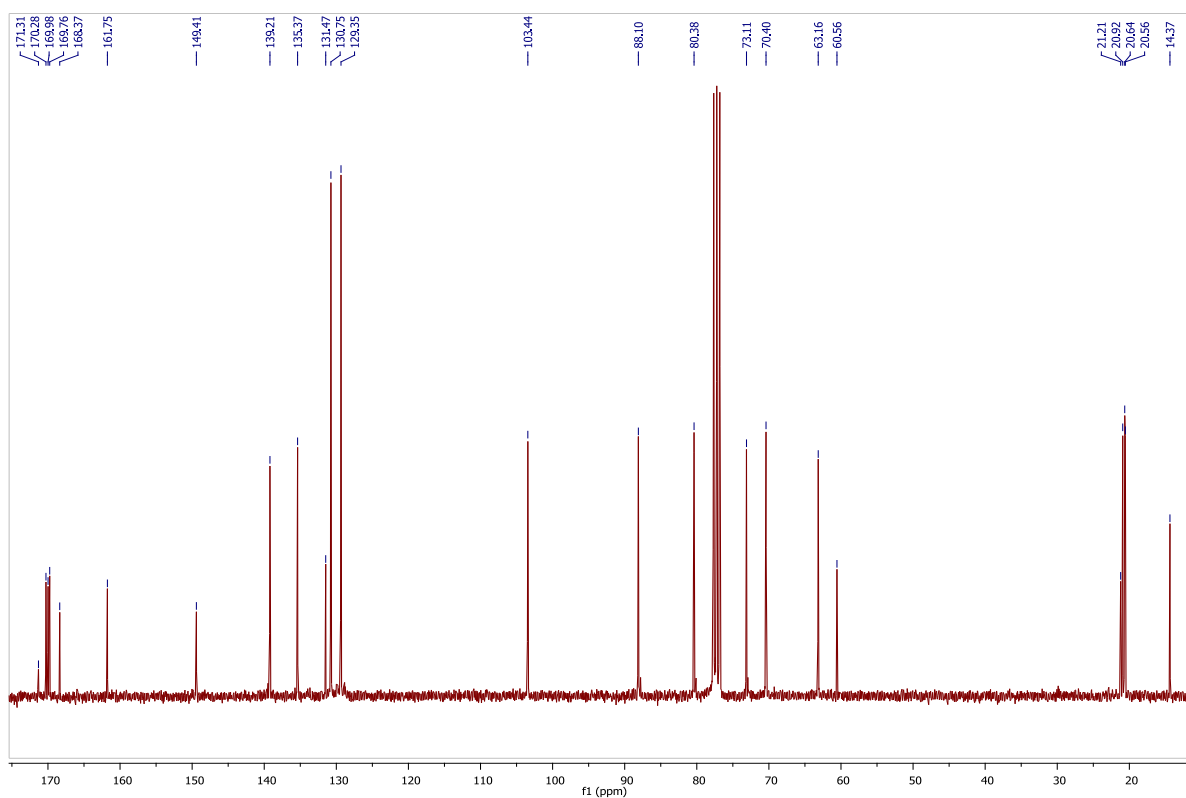
2',3'-O-Diacetyl-5'-O-(*tert*-butyldiphenylsilyl)uridine [123]

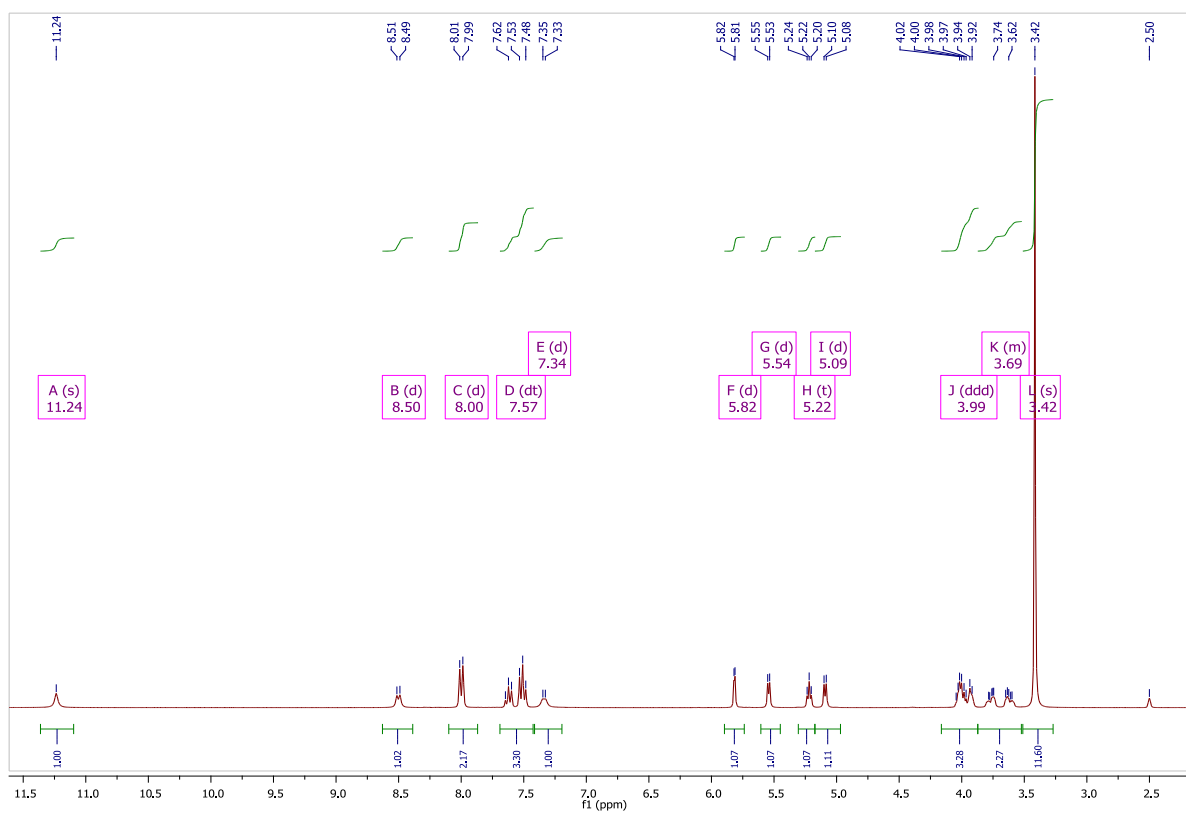
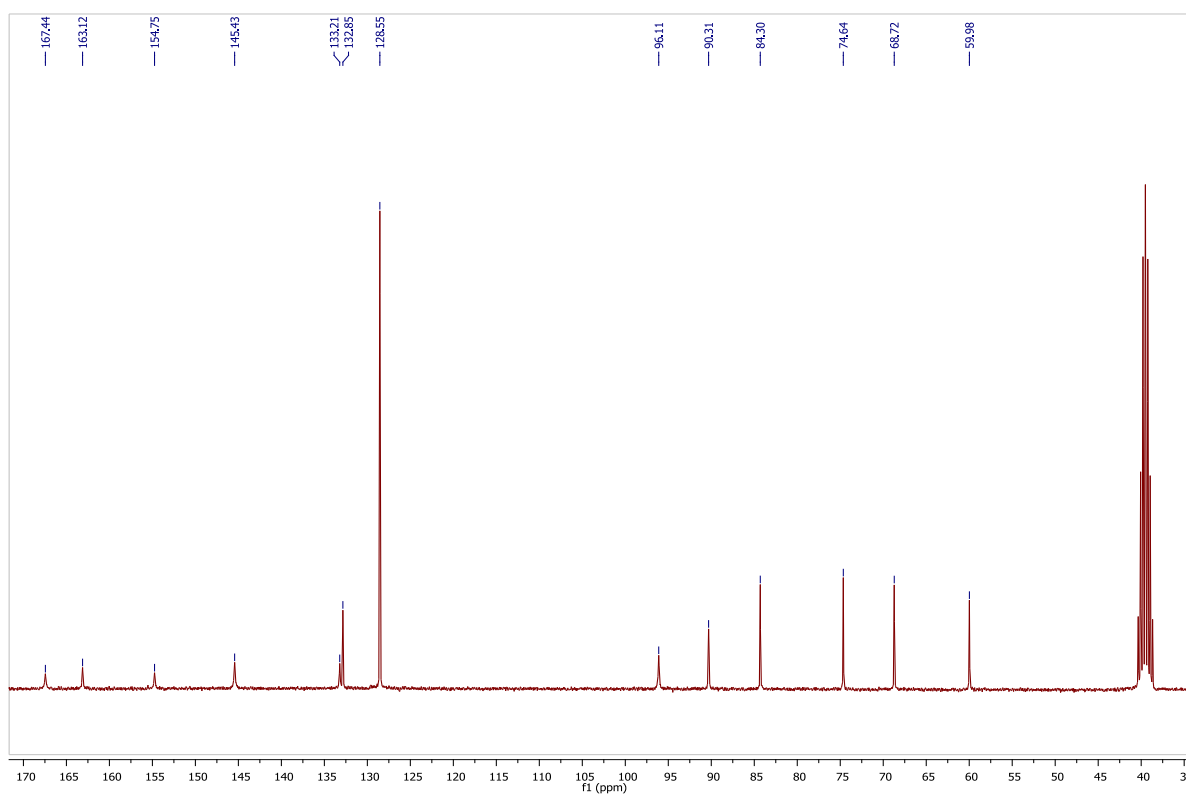
3-*N*-Benzoyl-2',3'-*O*-diacetyl-5'-*O*-(*tert*-butyldiphenylsilyl)uridine [124]

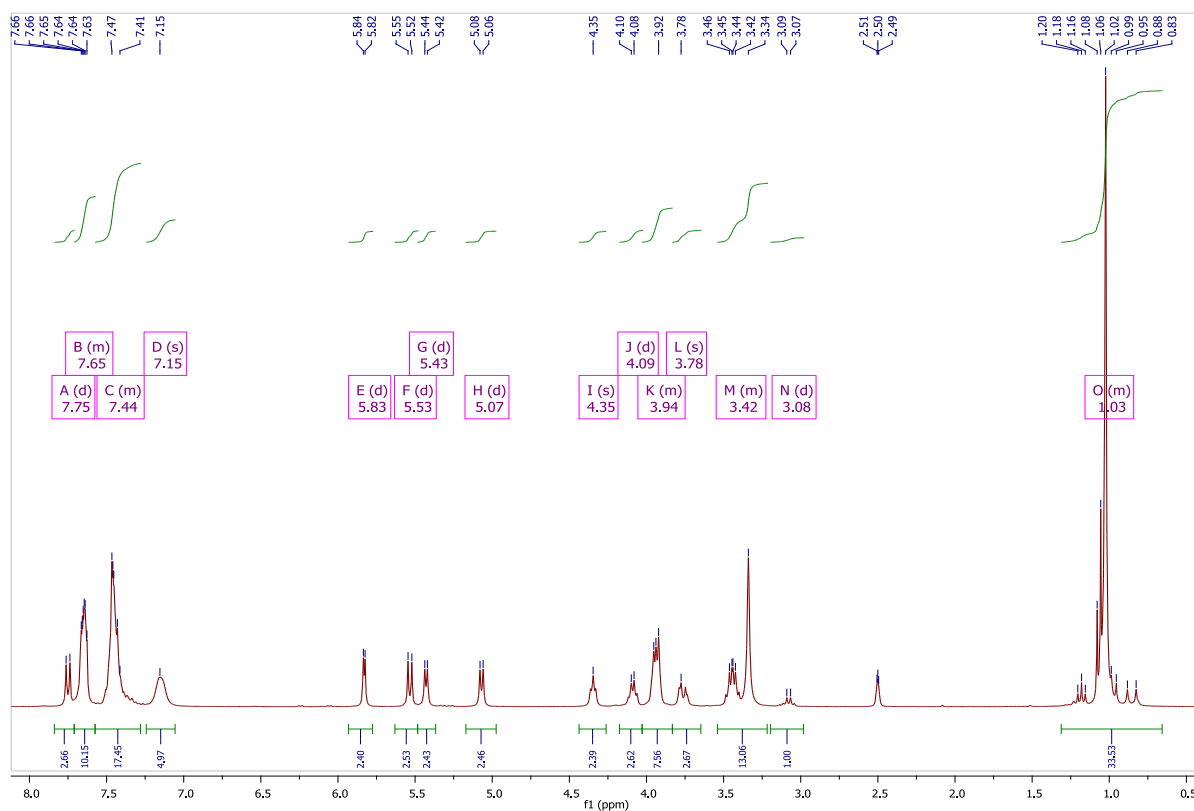
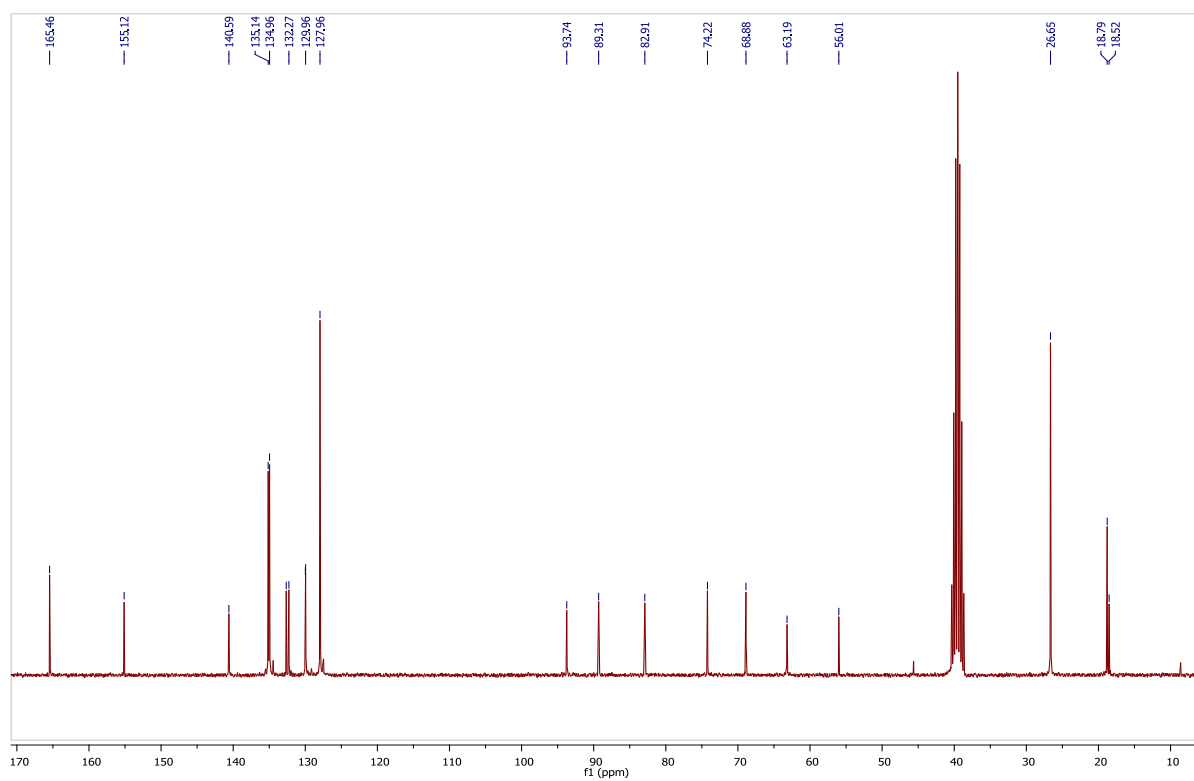
2',3'-O-Diacetyl-5'-O-(4,4'-dimethoxytrityl)uridine [127]

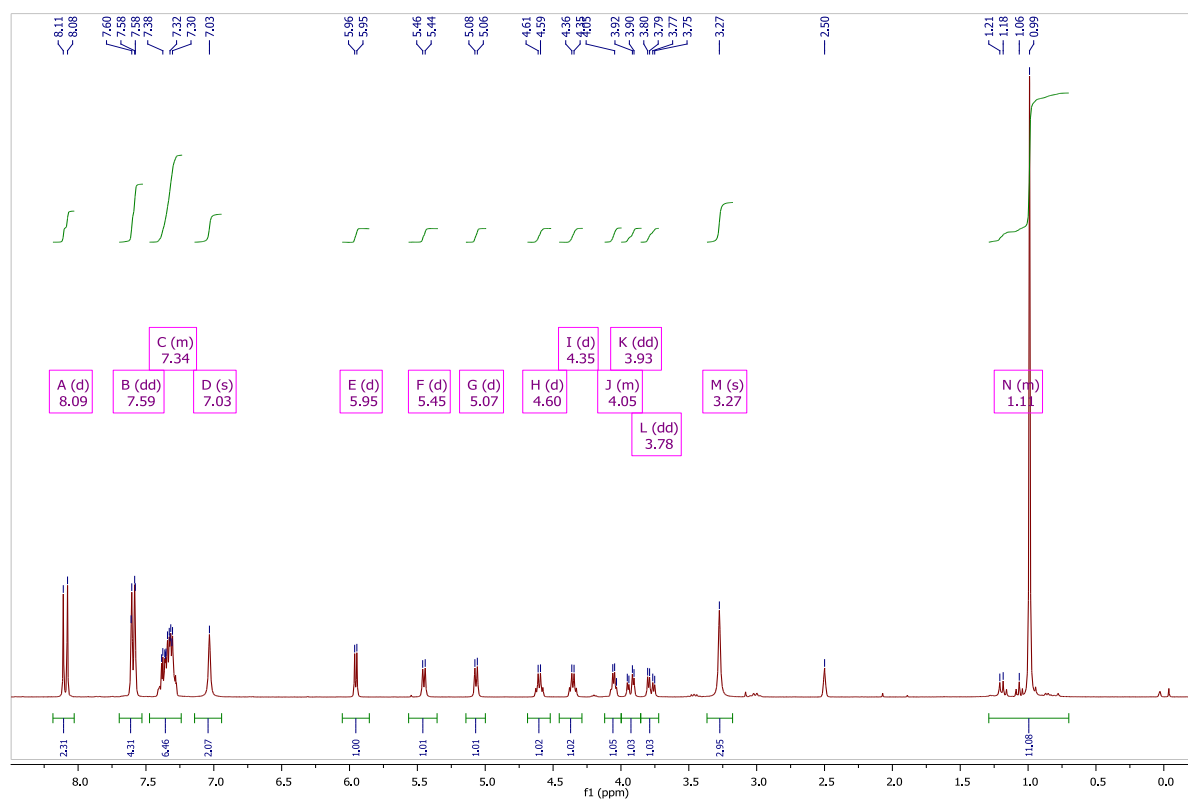
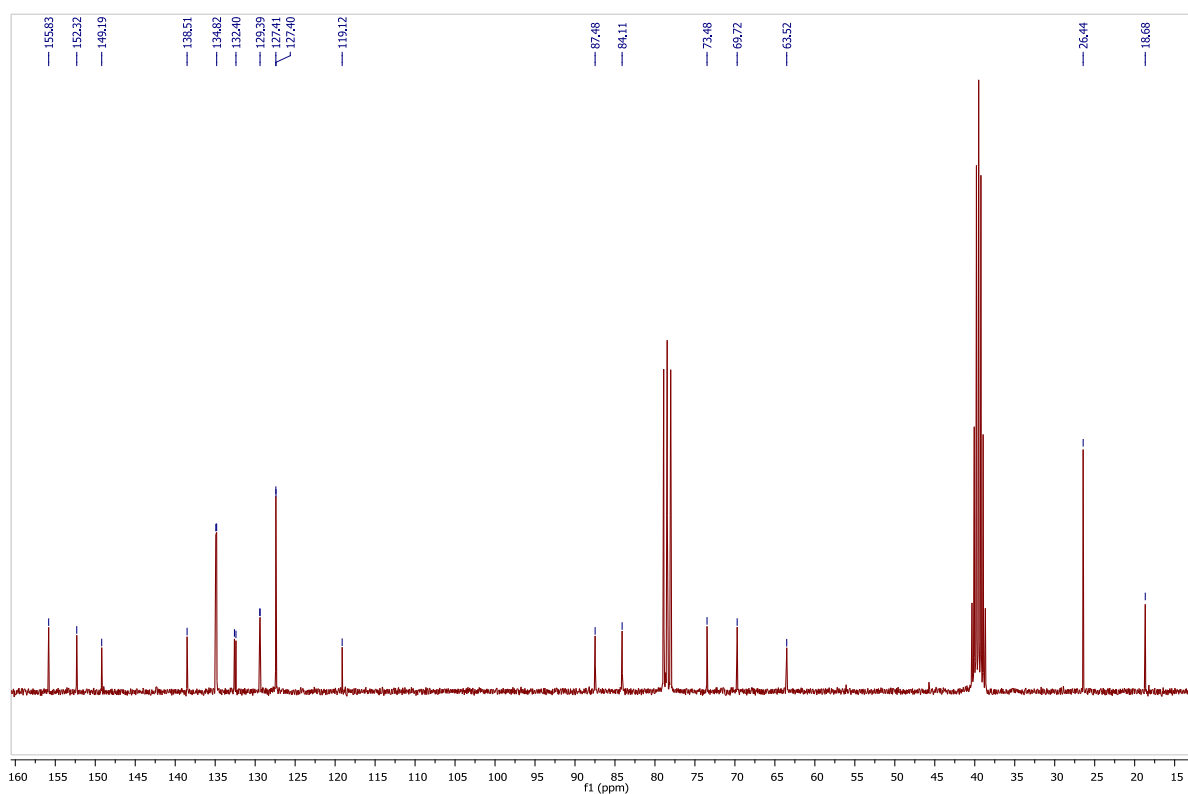
3-*N*-Benzoyl-2',3'-*O*-diacetyl-5'-*O*-(4,4'-dimethoxytrityl)uridine [128]

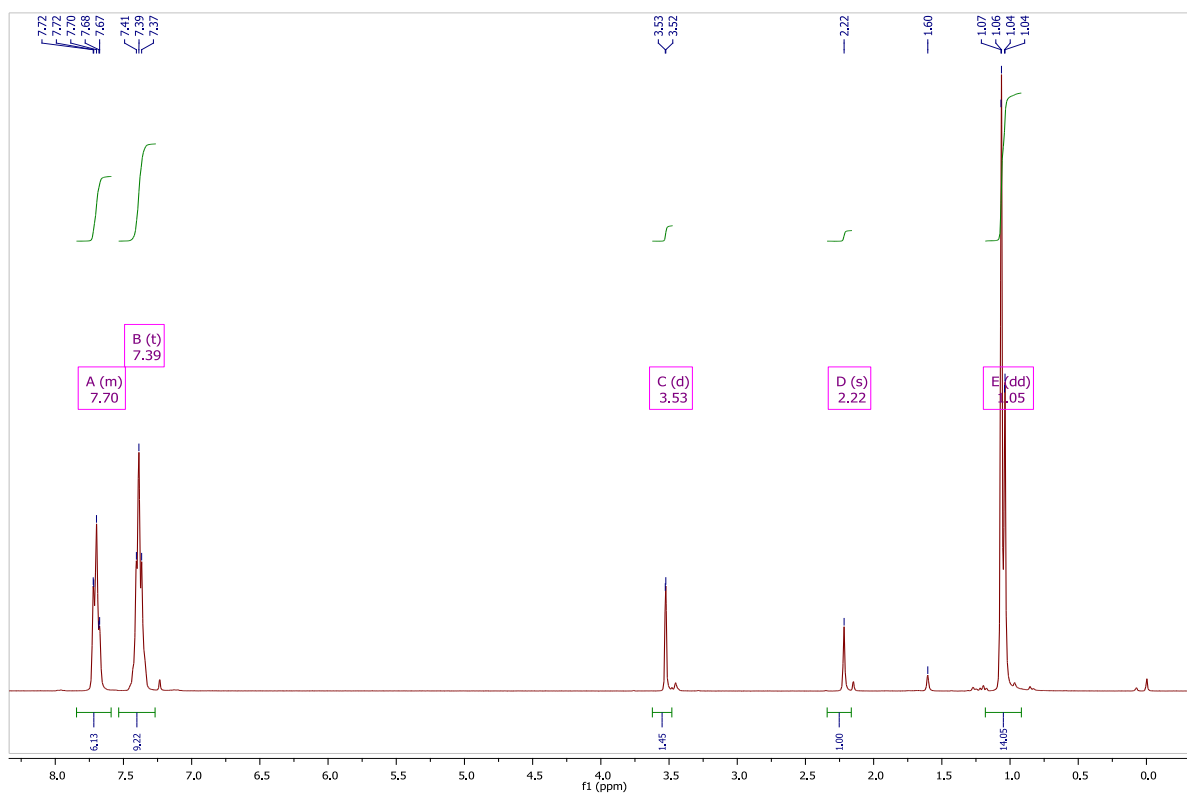
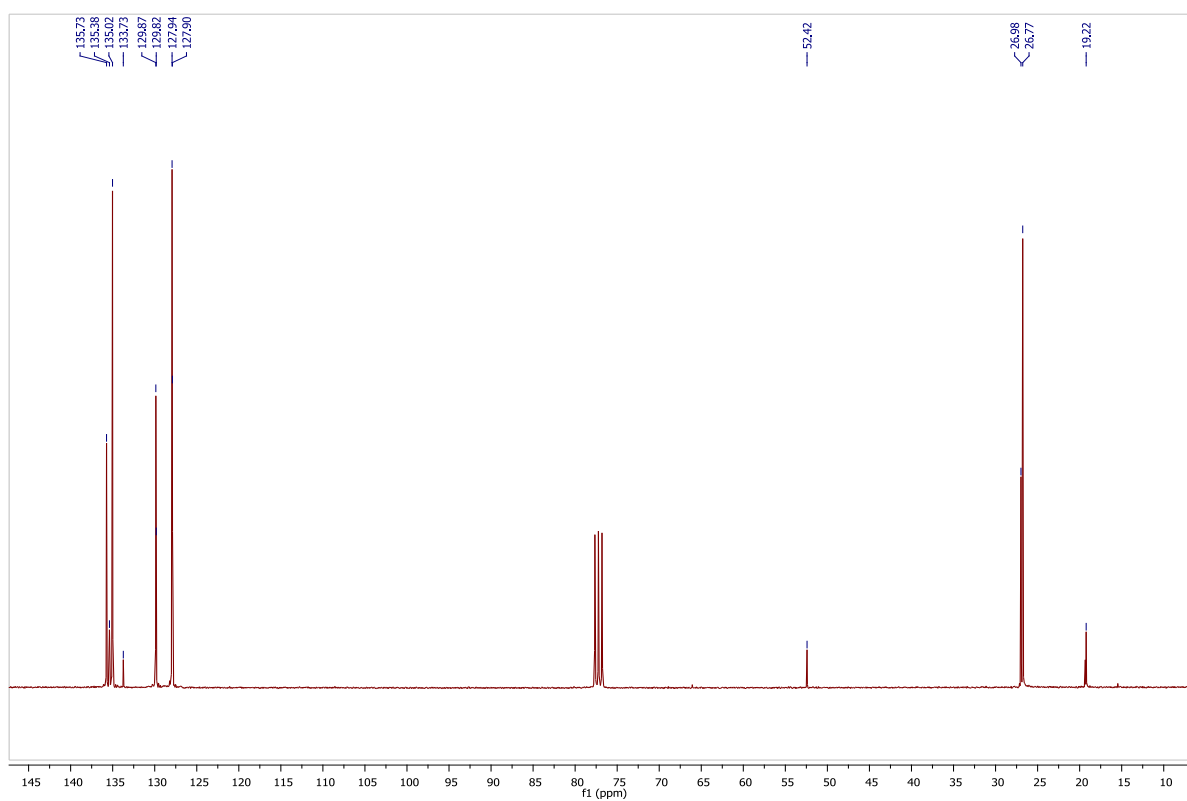
2',3',5'-O-Triacetyluridine [130]

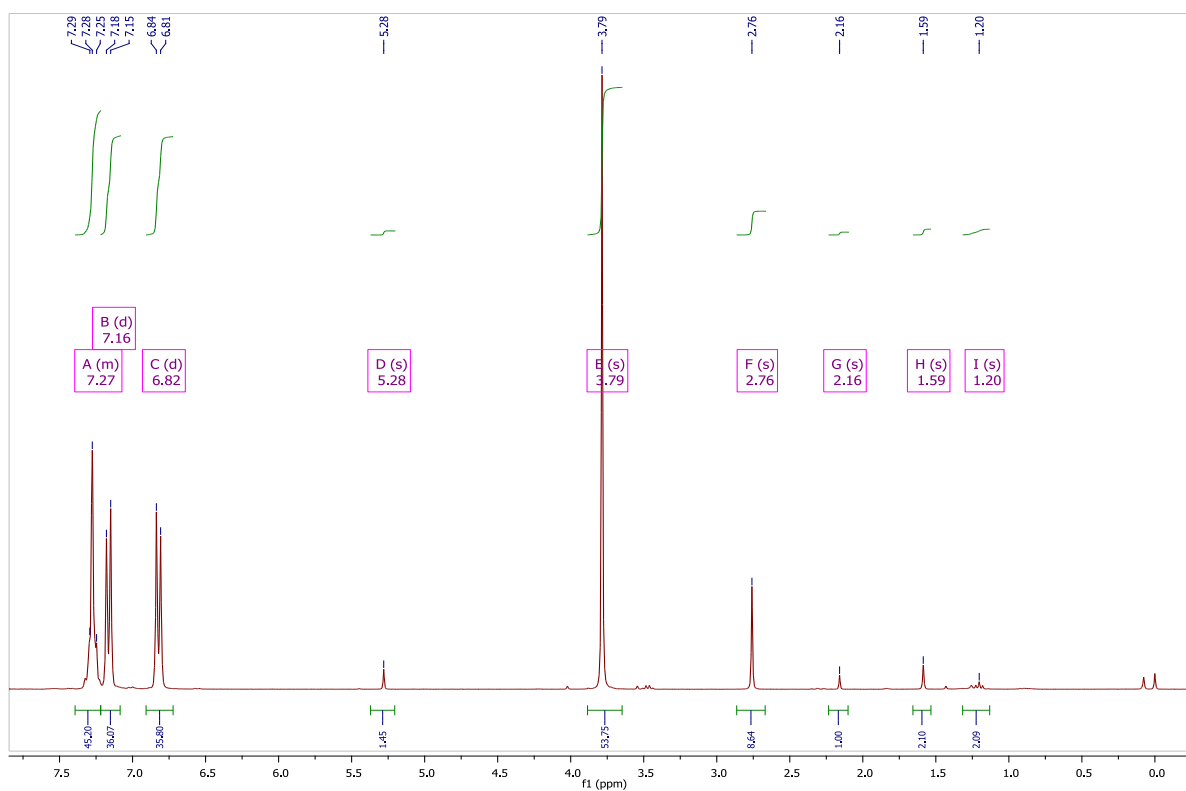
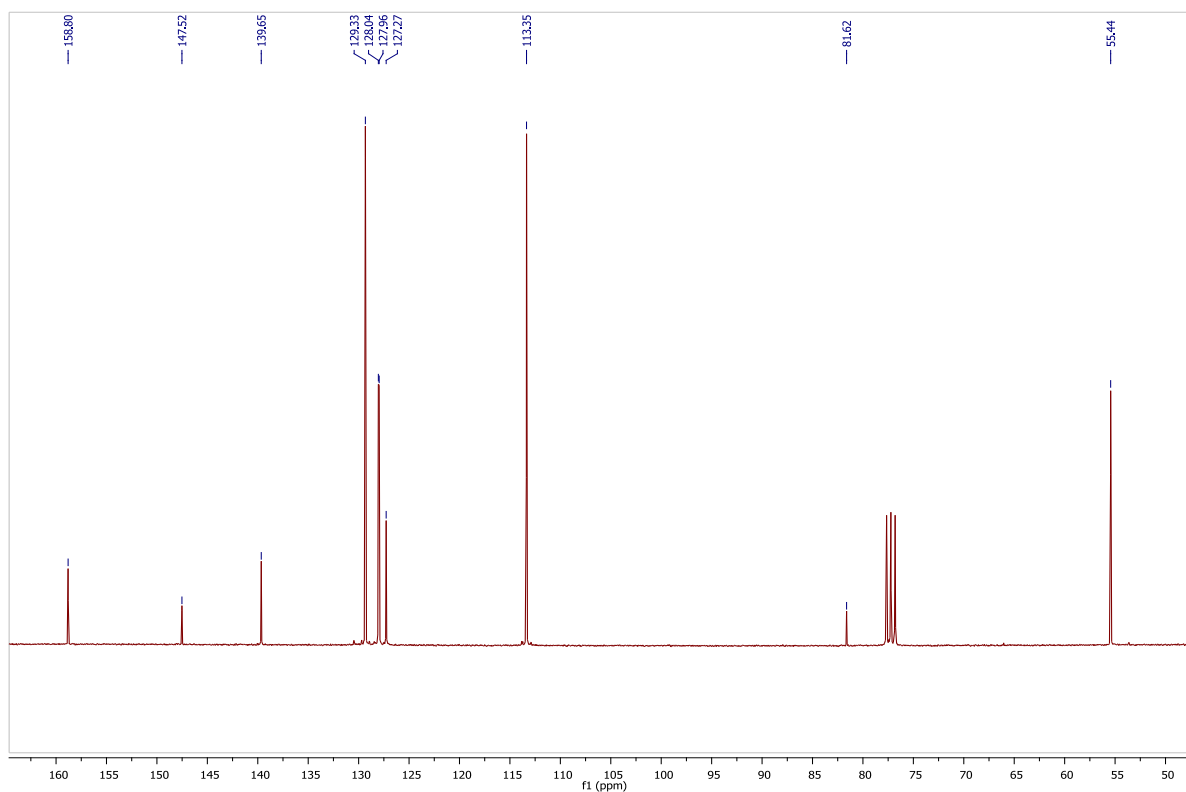
3-N-Benzoyl-2',3',5'-O-triacetyluridine [131]

4-N-Benzoylcytidine [133]

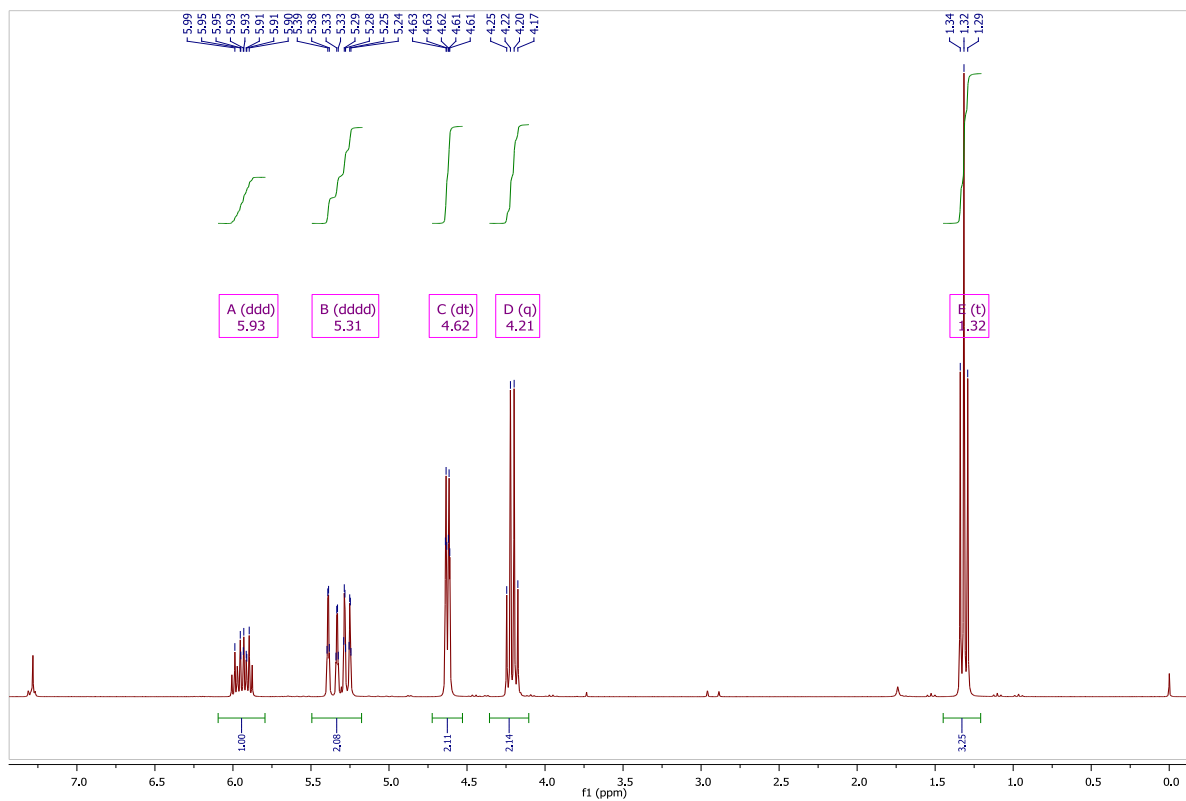
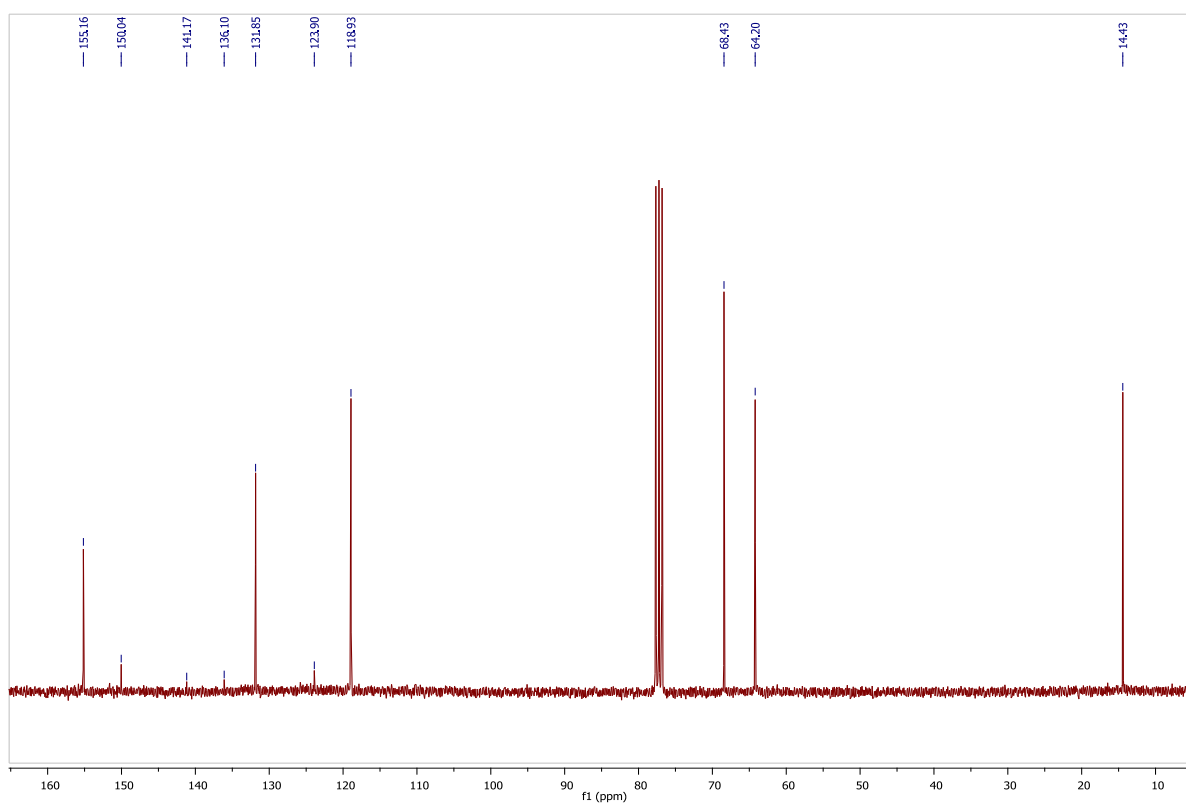
5'-O-(*tert*-Butyldiphenylsilyl)cytidine [134]

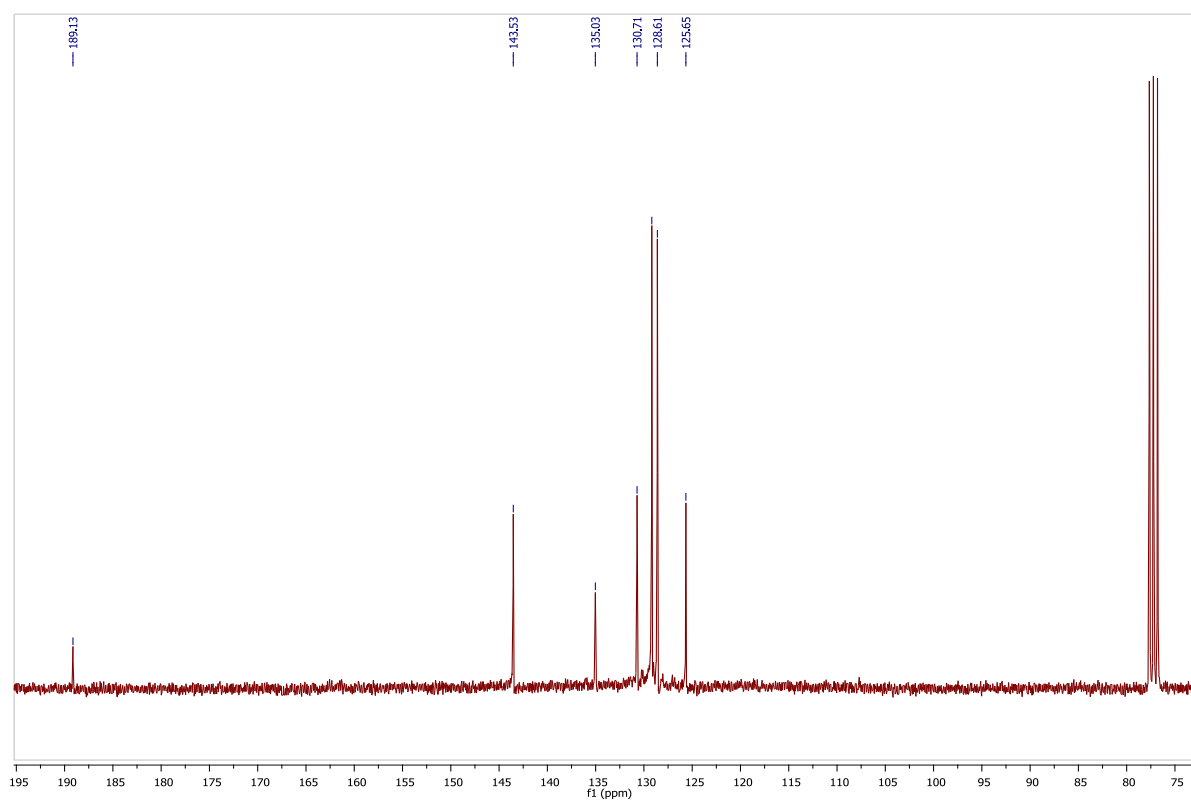
5'-O-(*tert*-Butyldiphenylsilyl)adenosine [142]

***tert*-Butyldiphenylsilanol [145]**

4,4'-Dimethoxytrityl alcohol [147]

Allyl ethyl carbonate [148]



Bis(dibenzylideneacetone) palladium(0) [149]

2',3'-O-Dibenzoyl-5'-O-(*tert*-butyldiphenylsilyl)uridine [150]