Supporting Information

Organocatalytic Stereoselective Synthesis of Passifloricin A

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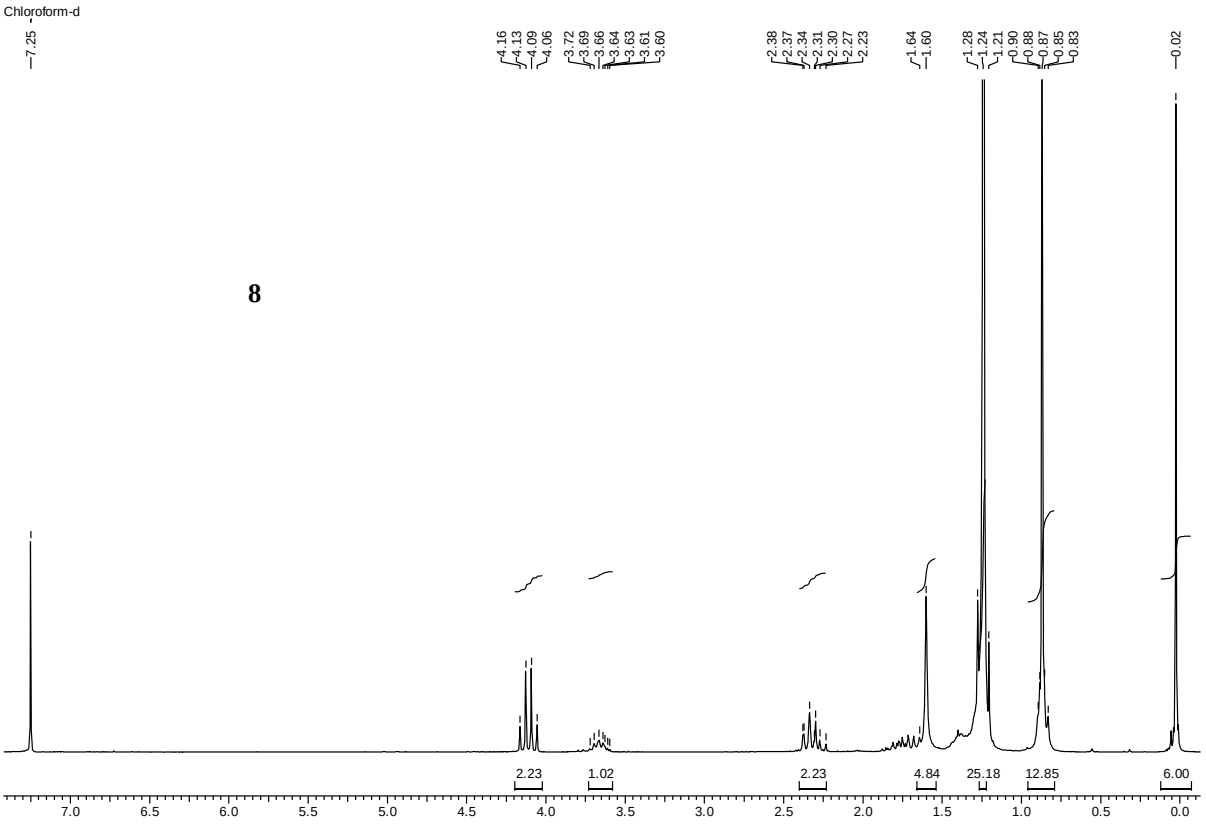
Table of contents

Experimental Section

General Methods: All reactions were carried out under argon or nitrogen in oven-dried glassware using standard gas-light syringes, cannulas and septa. Solvents and reagents were purified and dried by standard methods prior to use. Optical rotations were measured at room temperature. IR spectra were recorded on an FT-IR instrument. ^{1}H

NMR spectra were recorded on 200 MHz, 300 MHz and 500 MHz and are reported in parts per million (δ) downfield relative to $CDCl_3$ as internal standard and ^{13}C NMR spectra were recorded at 50 MHz, 75 MHz and 125 MHz and assigned in parts per million (δ) relative to $CDCl_3$. Column chromatography was performed on silica gel (100-200 and 230-400 mesh) using a mixture of petroleum ether and ethyl acetate as the eluent.

8



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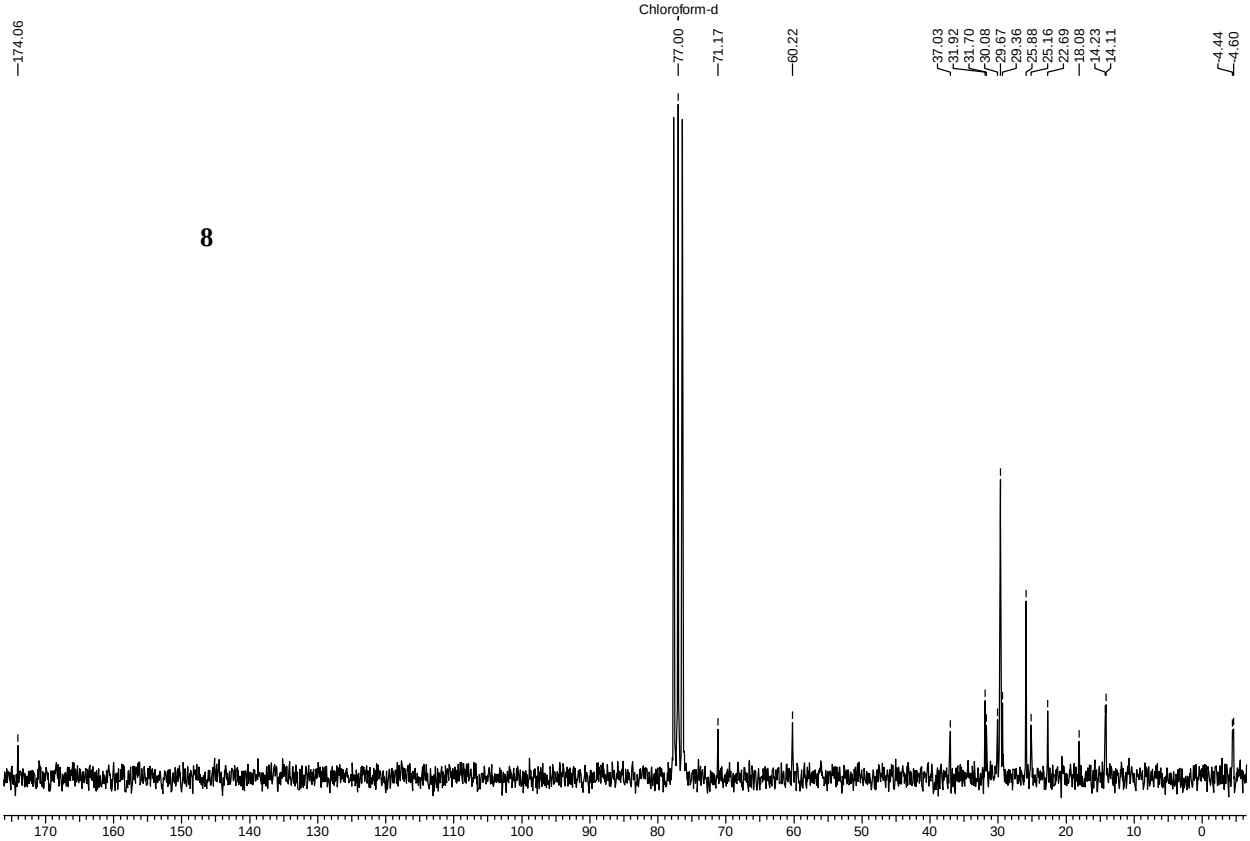

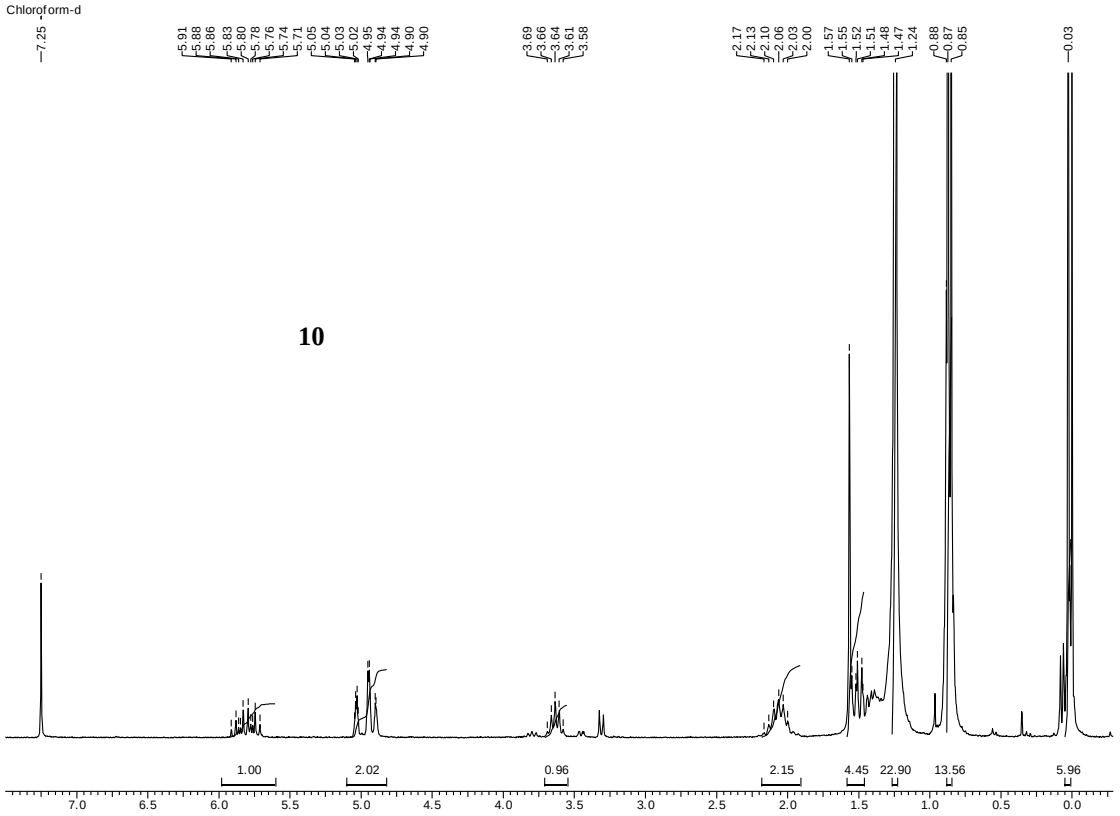
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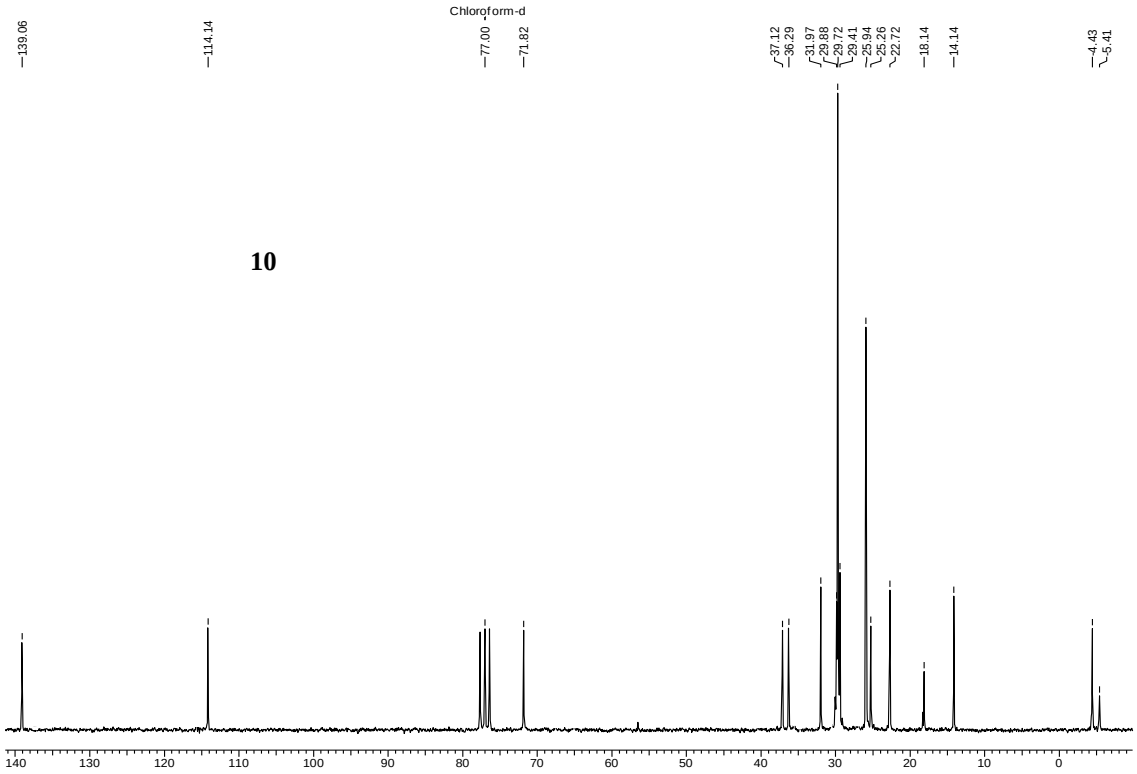
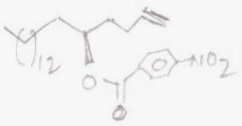
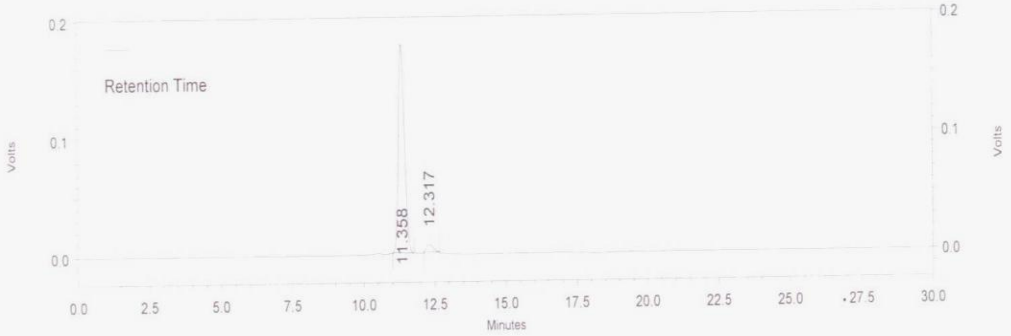
5.91
5.88
5.86
5.83
5.80
5.78
5.76
5.74
5.71
5.05
5.04
5.03
5.02
4.95
4.94
4.94
4.90
4.90
3.69
3.66
3.64
3.61
3.58
2.17
2.13
2.10
2.06
2.03
2.00
1.57
1.55
1.52
1.51
1.48
1.47
1.24
0.88
0.87
0.85
0.03
10
1.00
2.02
0.96
2.15
4.45
22.90
13.56
5.96


Chloroform-d
139.06
114.14
77.00
71.82
37.12
36.29
31.97
29.88
29.72
29.41
25.94
25.26
22.72
18.14
14.14
-4.43
-5.41
10

Area % Report

Sample Name: nitro ester (Chiral)
Method Name: C:\CLASS-VP\method ch 1.met
Data Name: C:\CLASS-VP\Data\Dr Tripathi\Tri-1109
User: System
Acquired: 6/22/09 6:05:06 PM
Printed: 6/22/09 6:47:28 PM



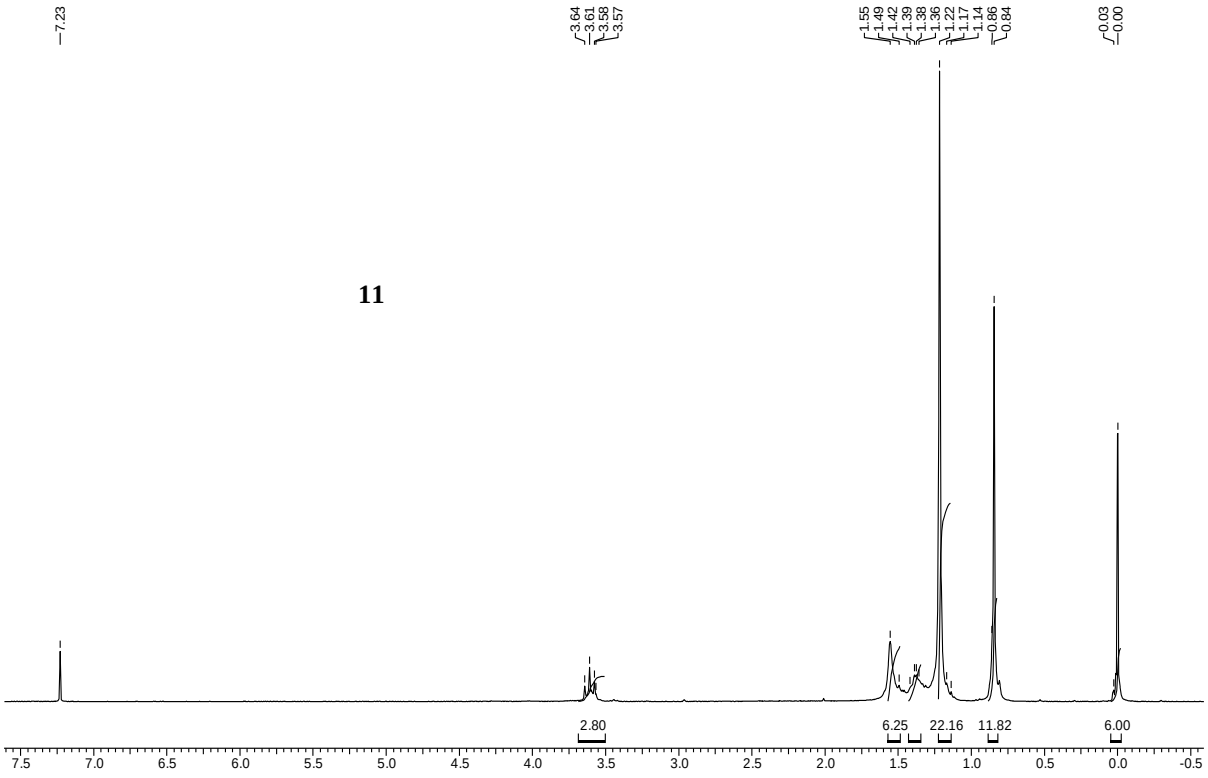


Detector A - 1
(254nm)

Pk #	Retention Time	Area	Area %	Height	Height Percent
1	11.358	2621542	96.002	177030	96.42
2	12.317	109171	3.998	6580	3.58
Totals		2730713	100.000	183610	100.00

Project Leader :- Dr. Tripathi
Column : Chiracel OD-H (250x4.6mm)
M.P. : Isopropanol:n-Hexane (1:99)
Wavelength :- 254nm
Flow :- 0.4ml/min (220psi)
conc. :- 0.14 mg/1ml
Injection vol : 5 ul

11



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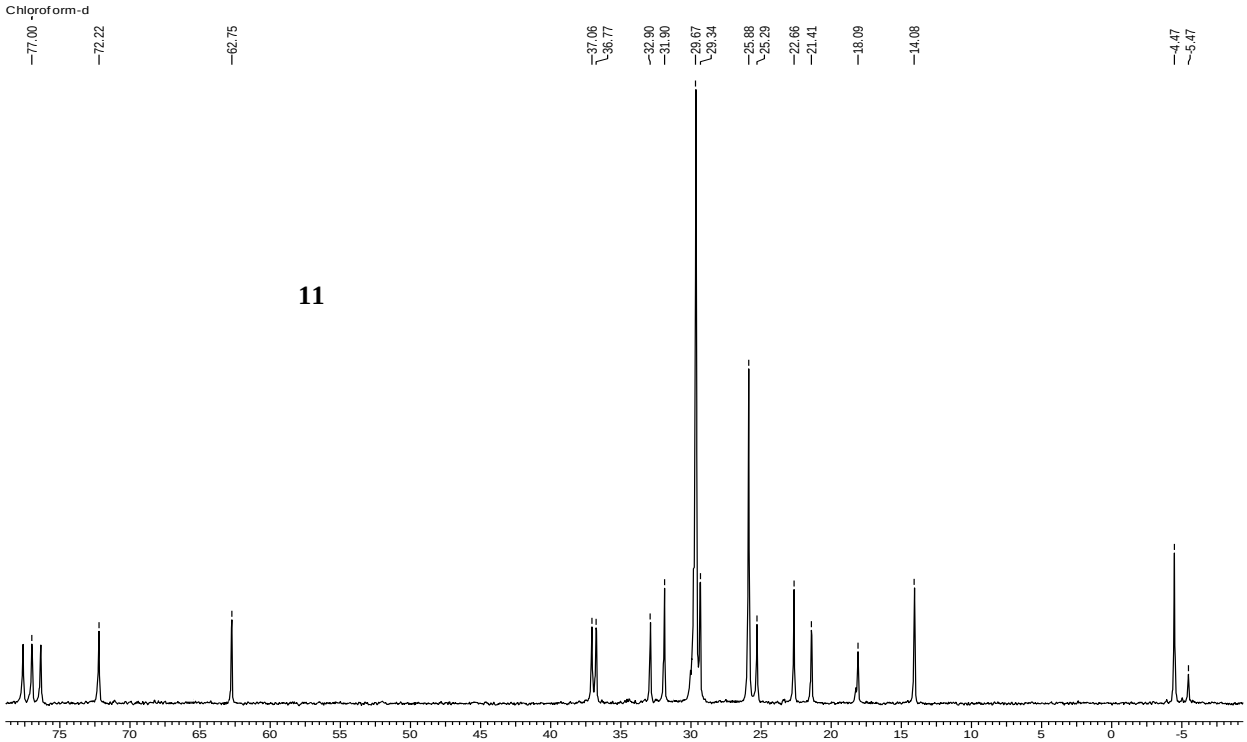

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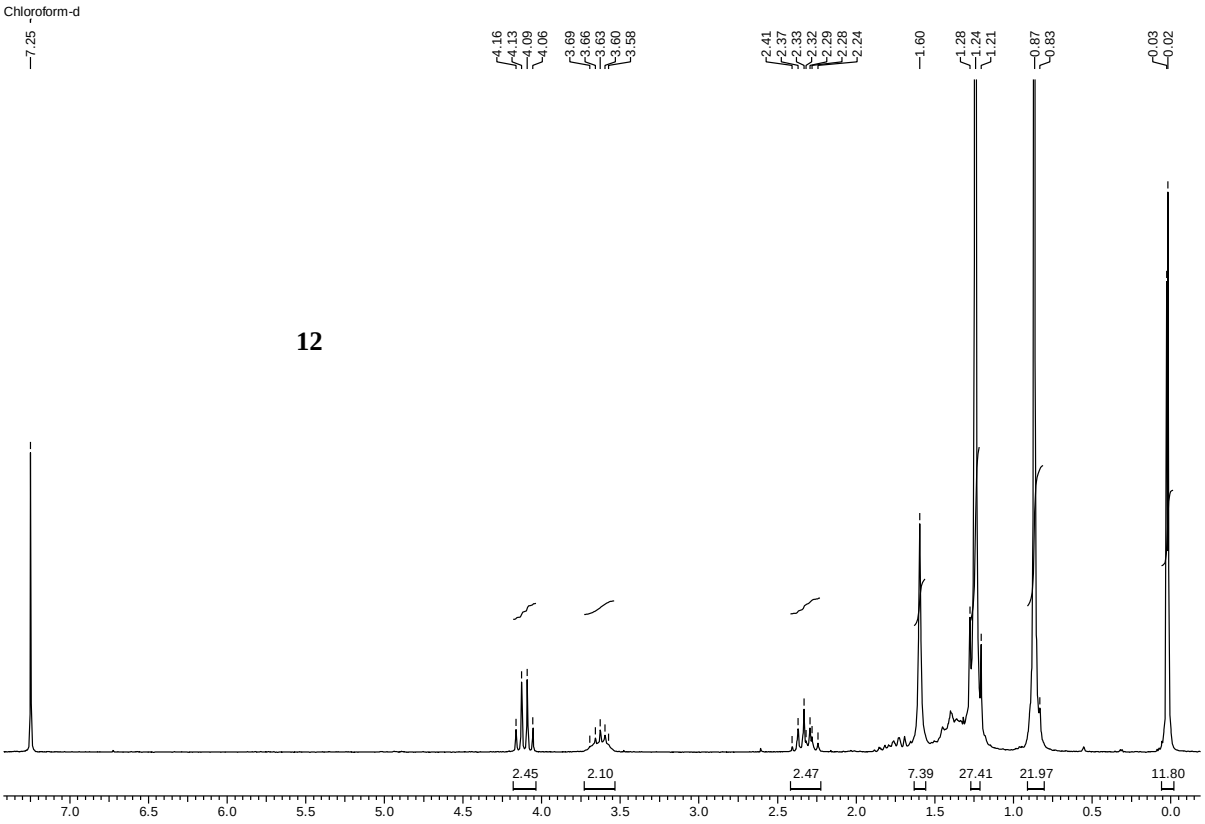

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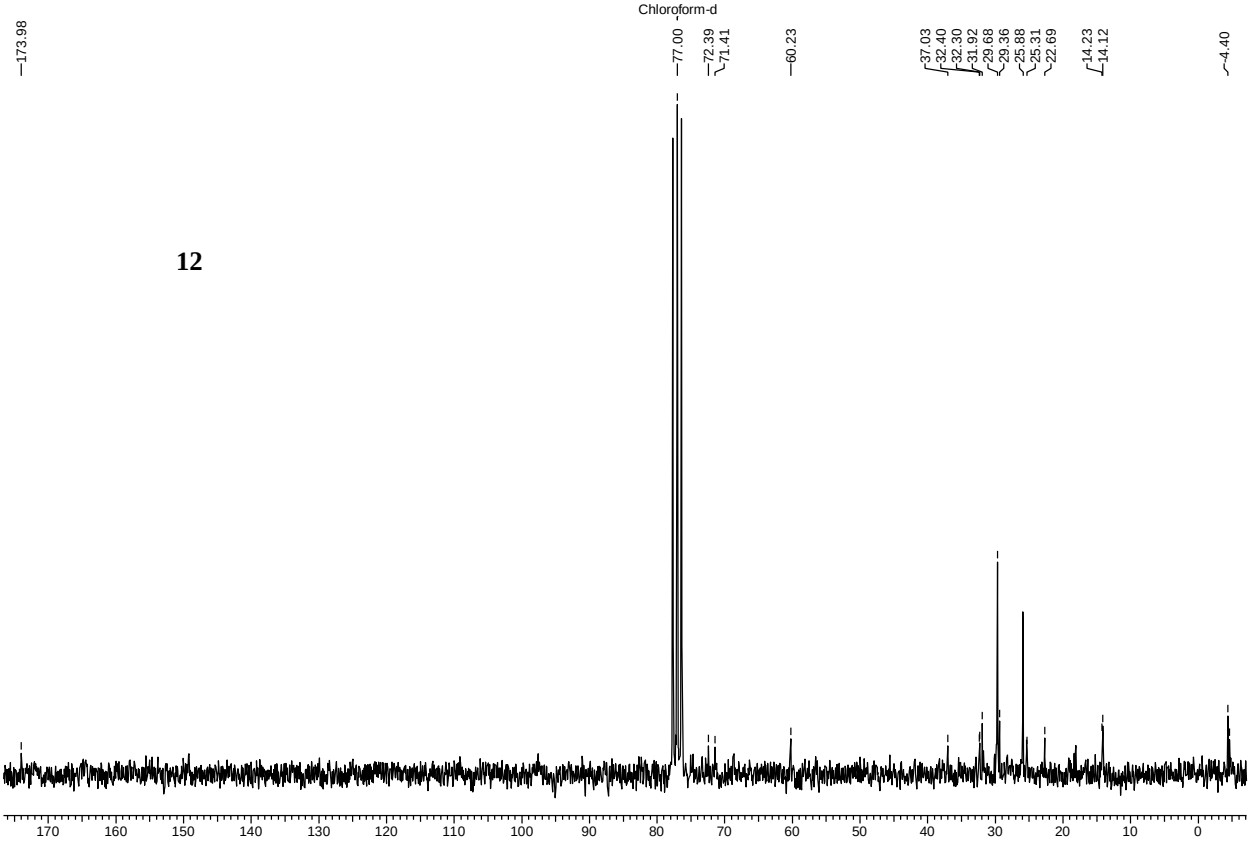

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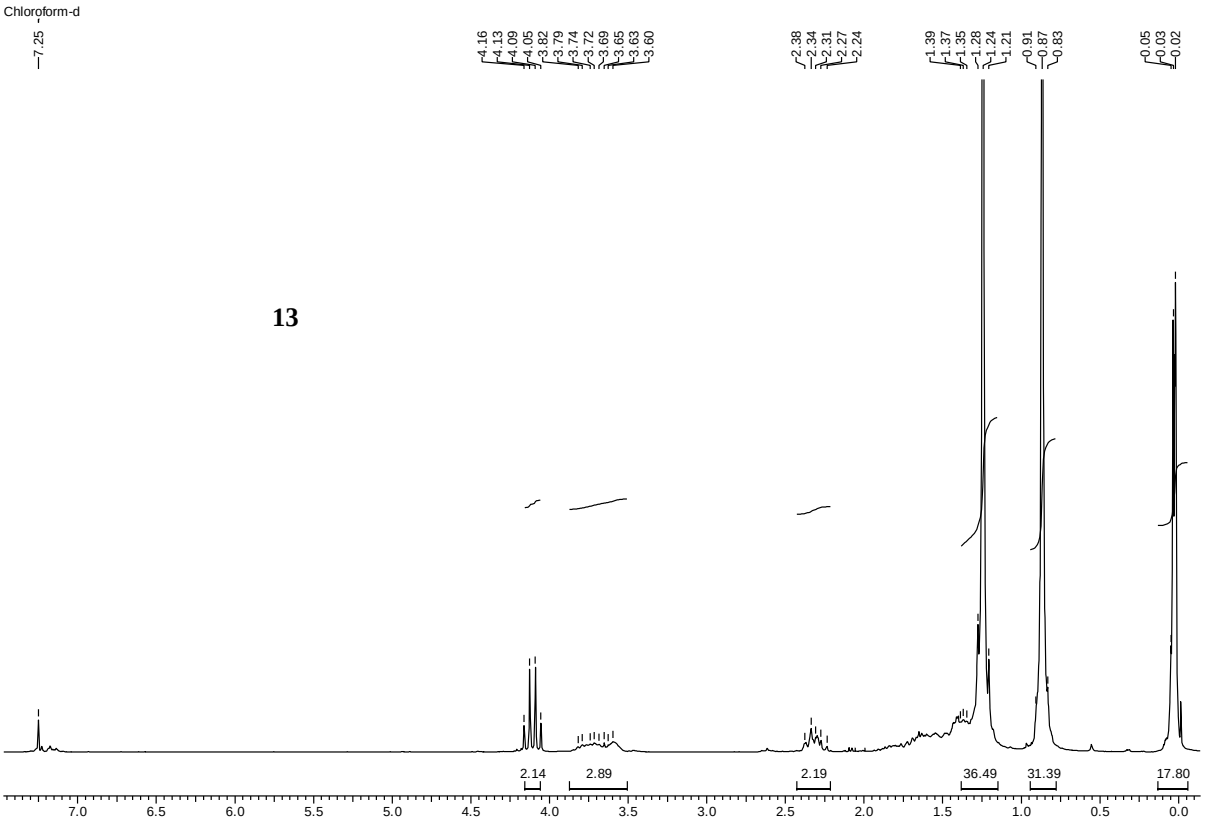

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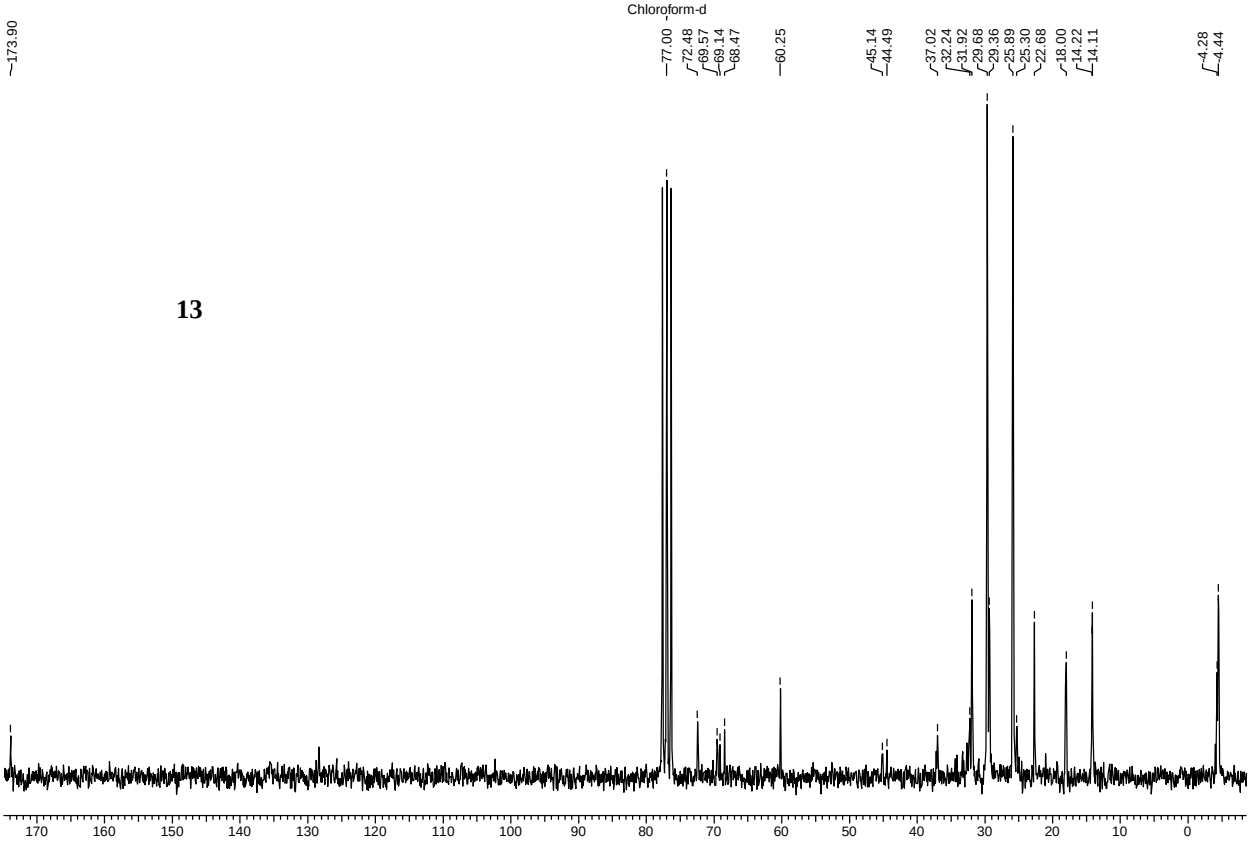

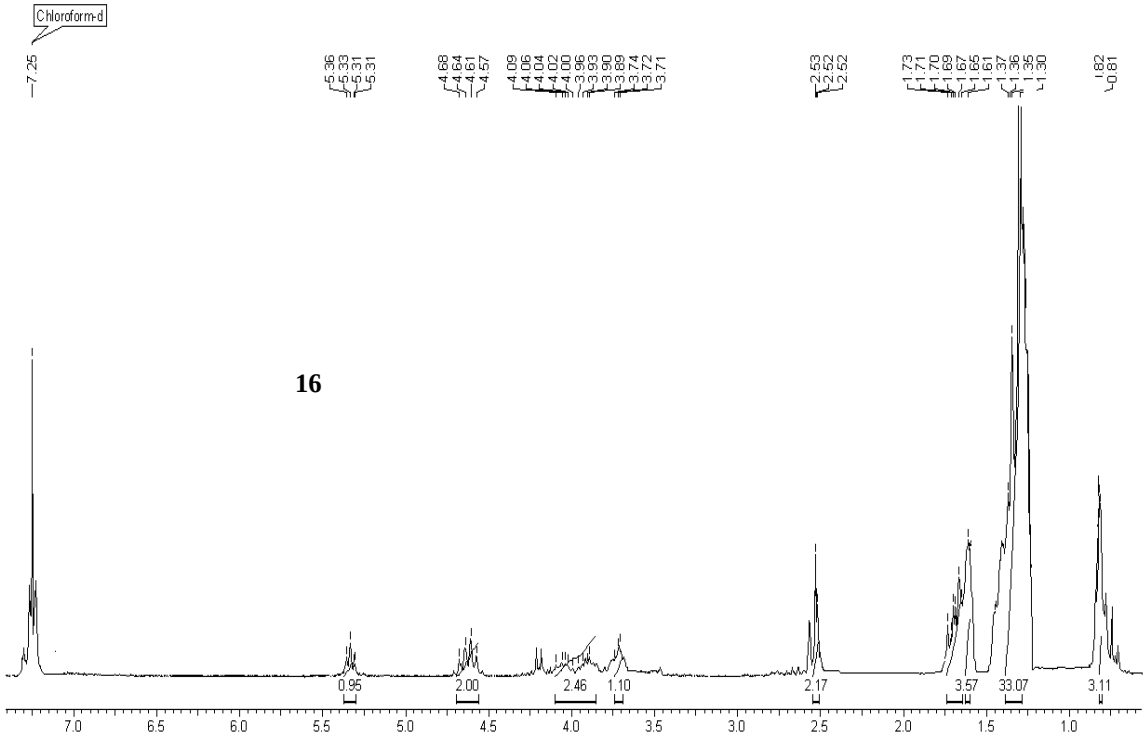

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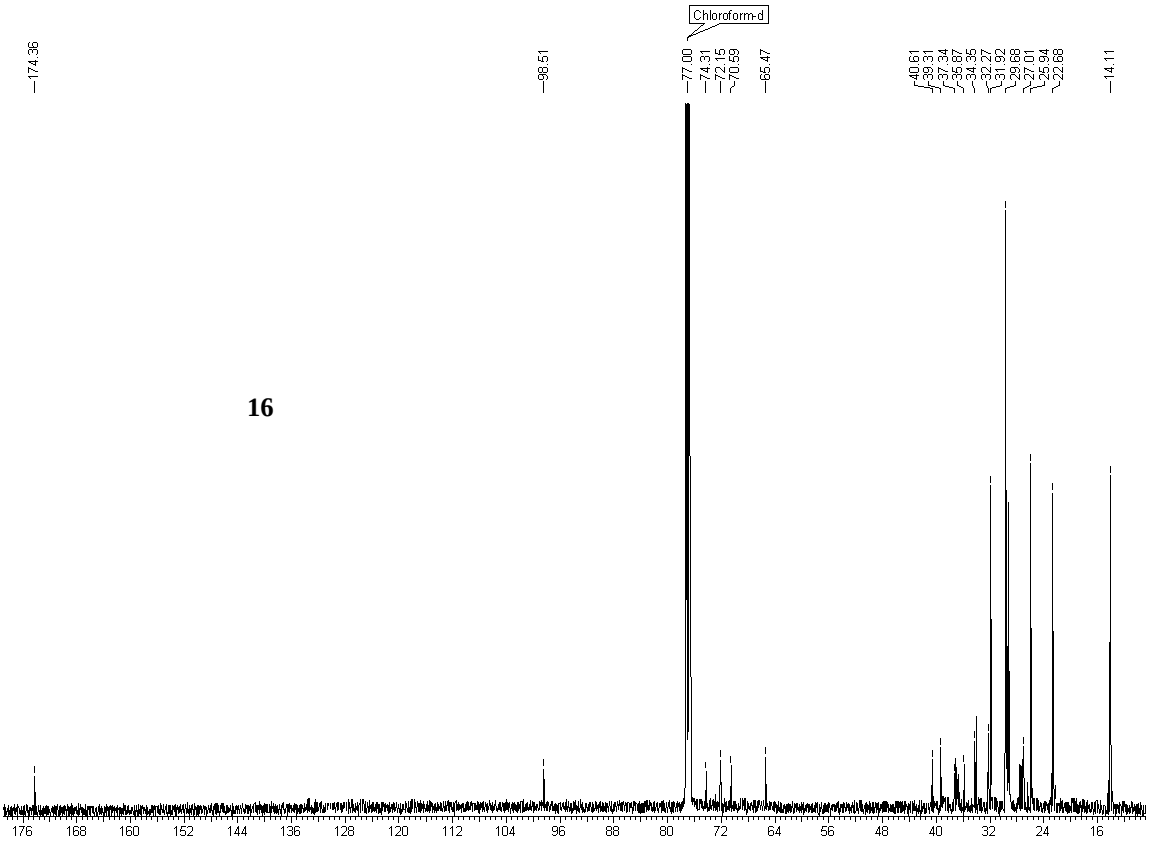

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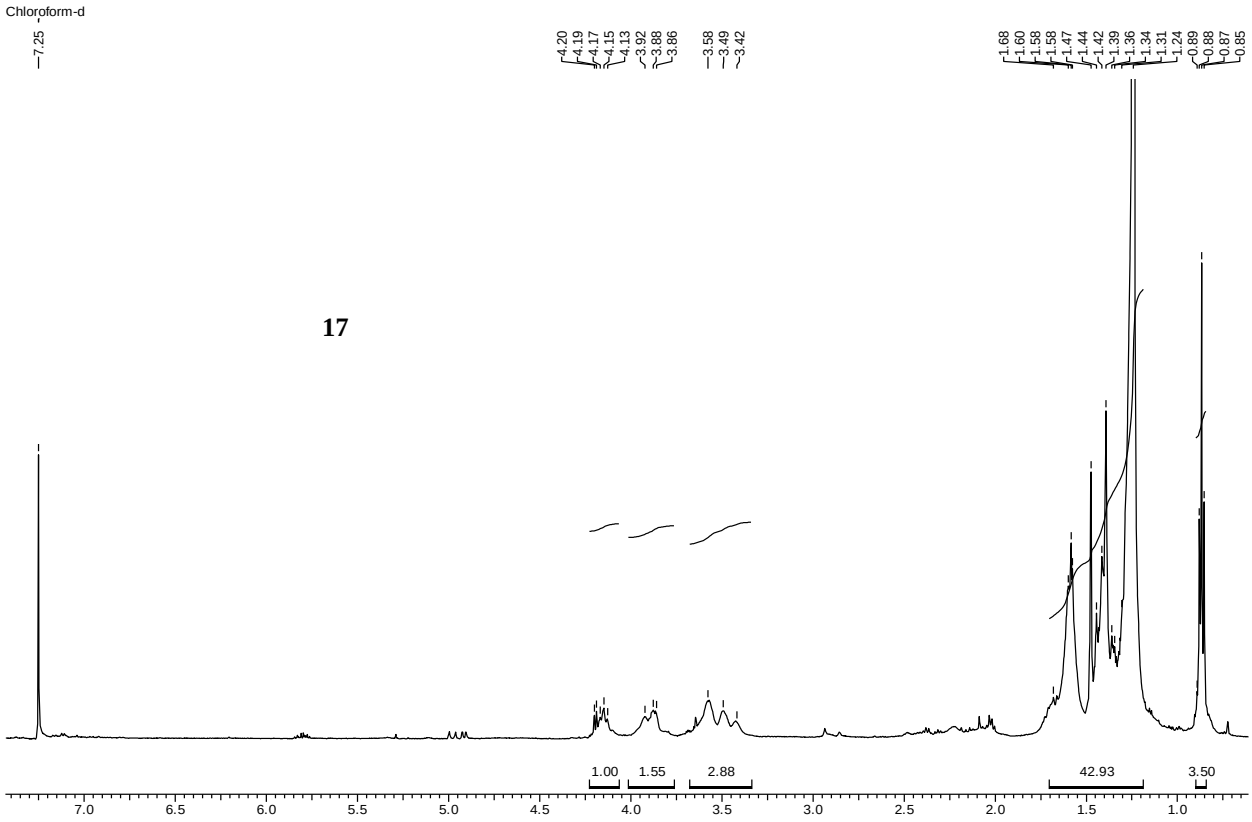

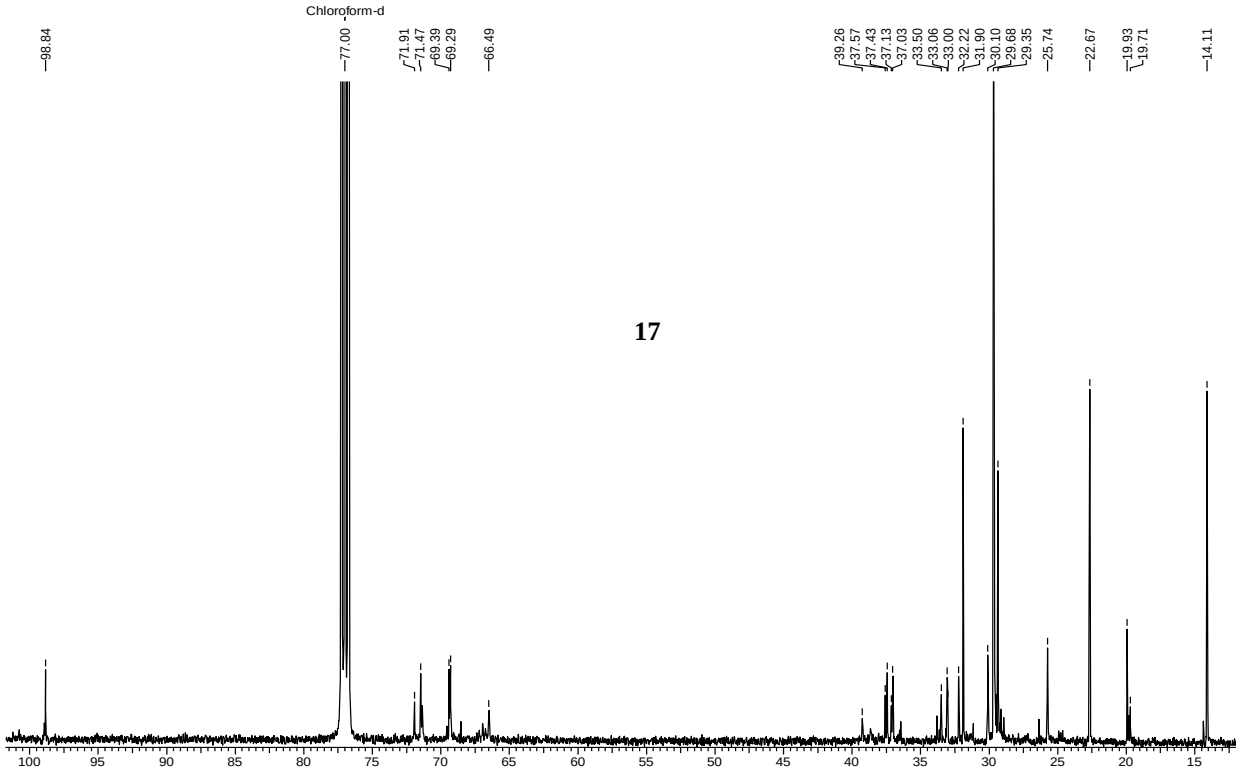

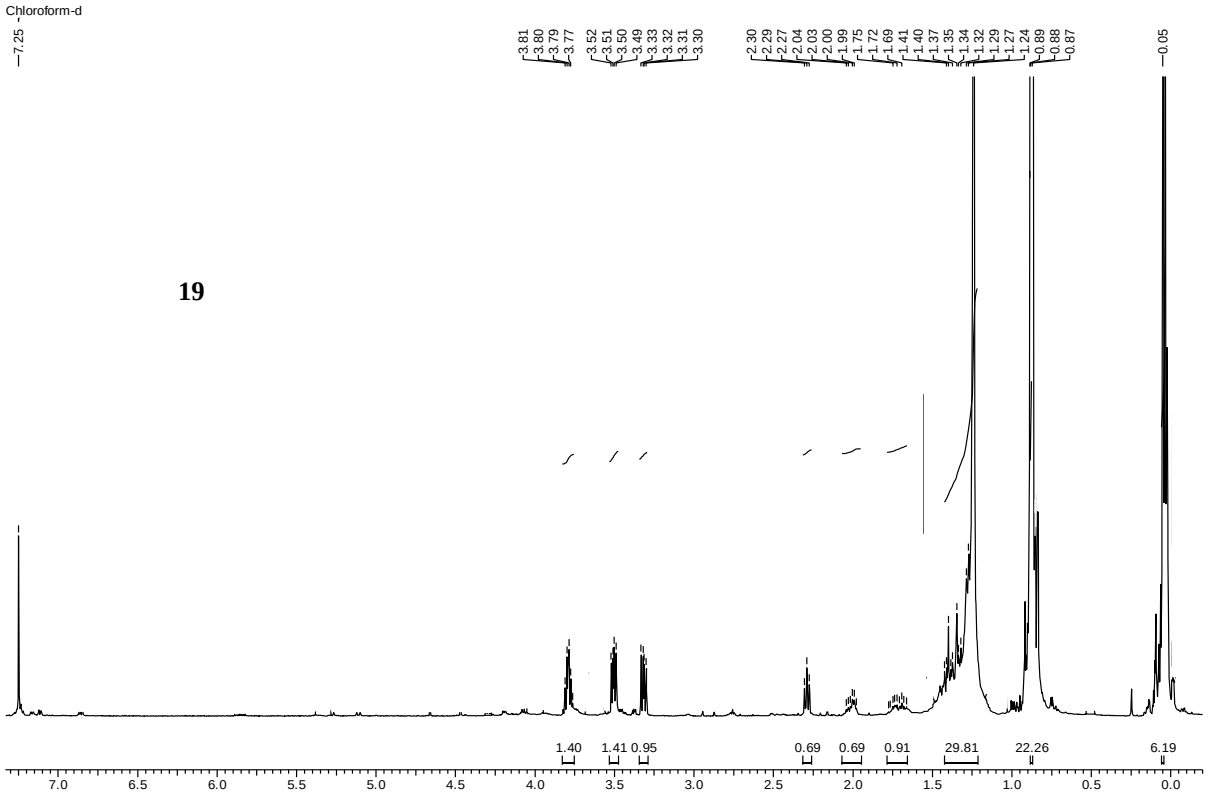

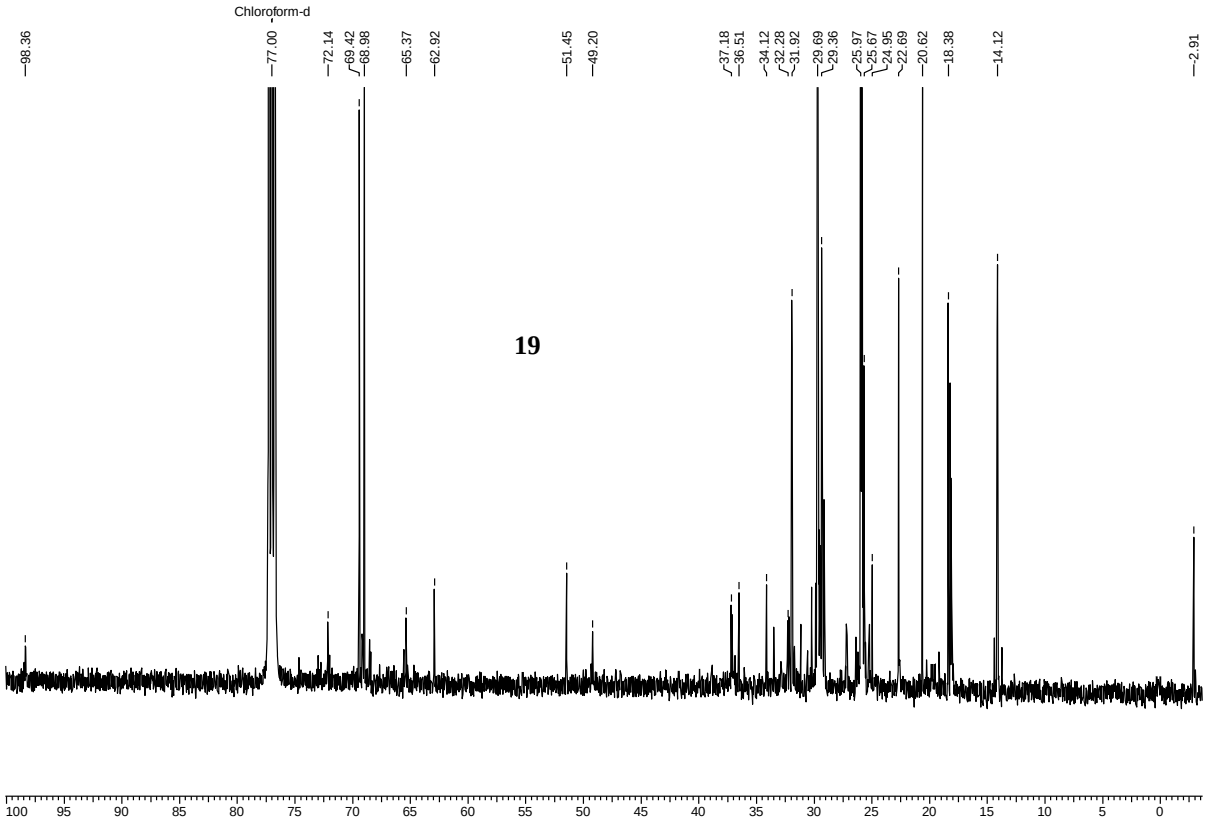

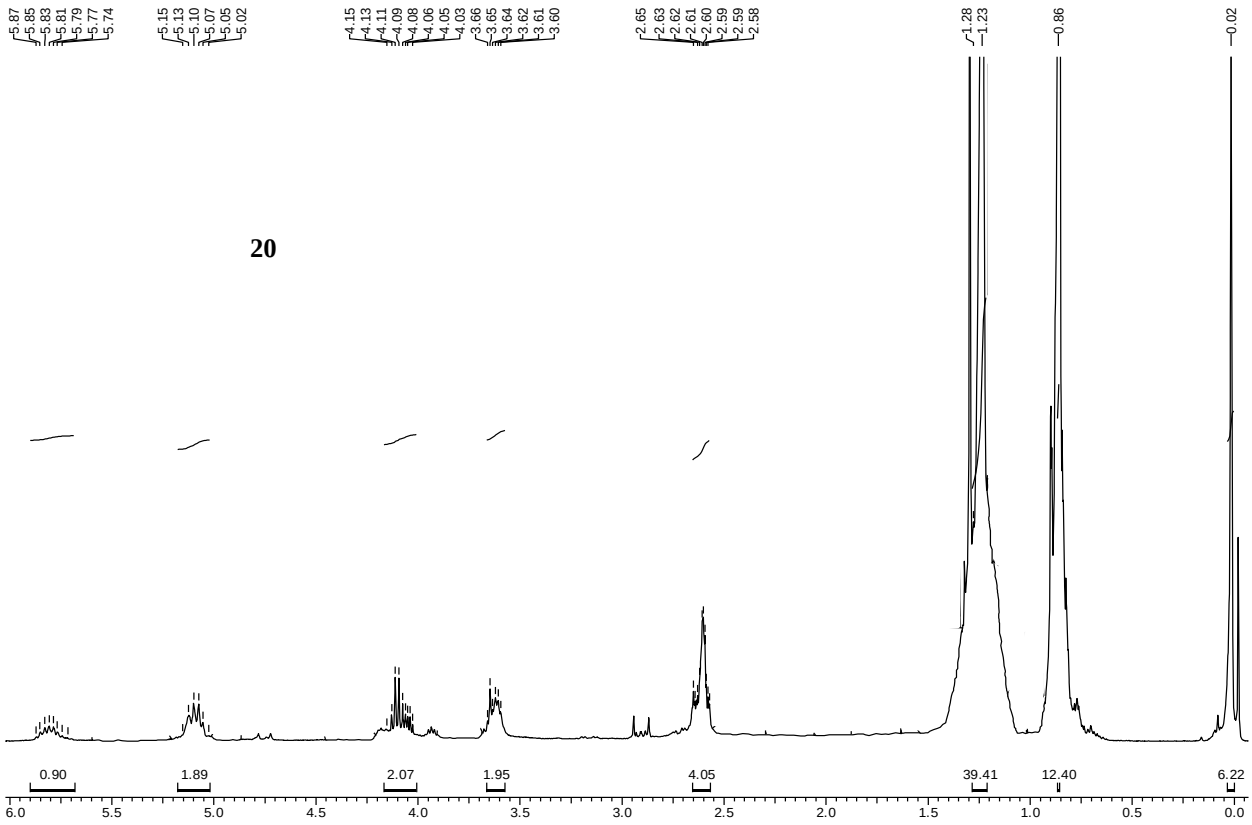

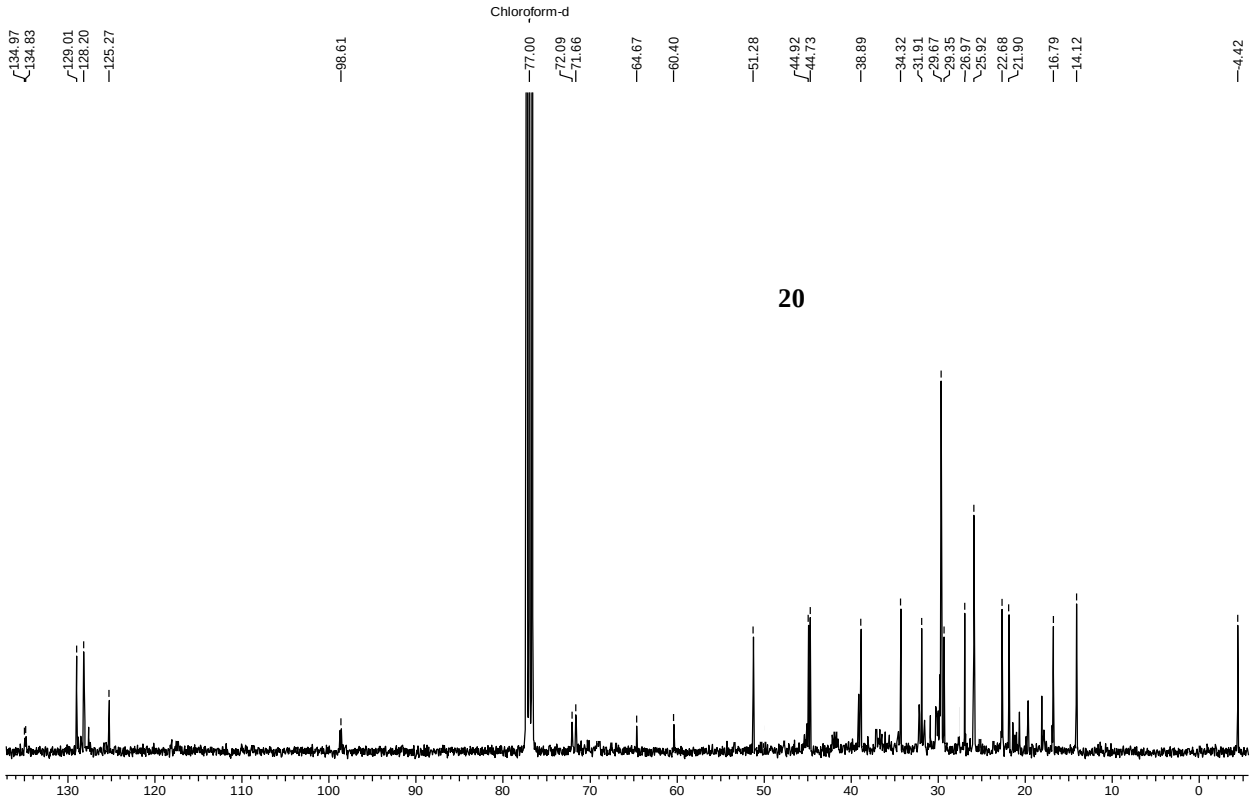

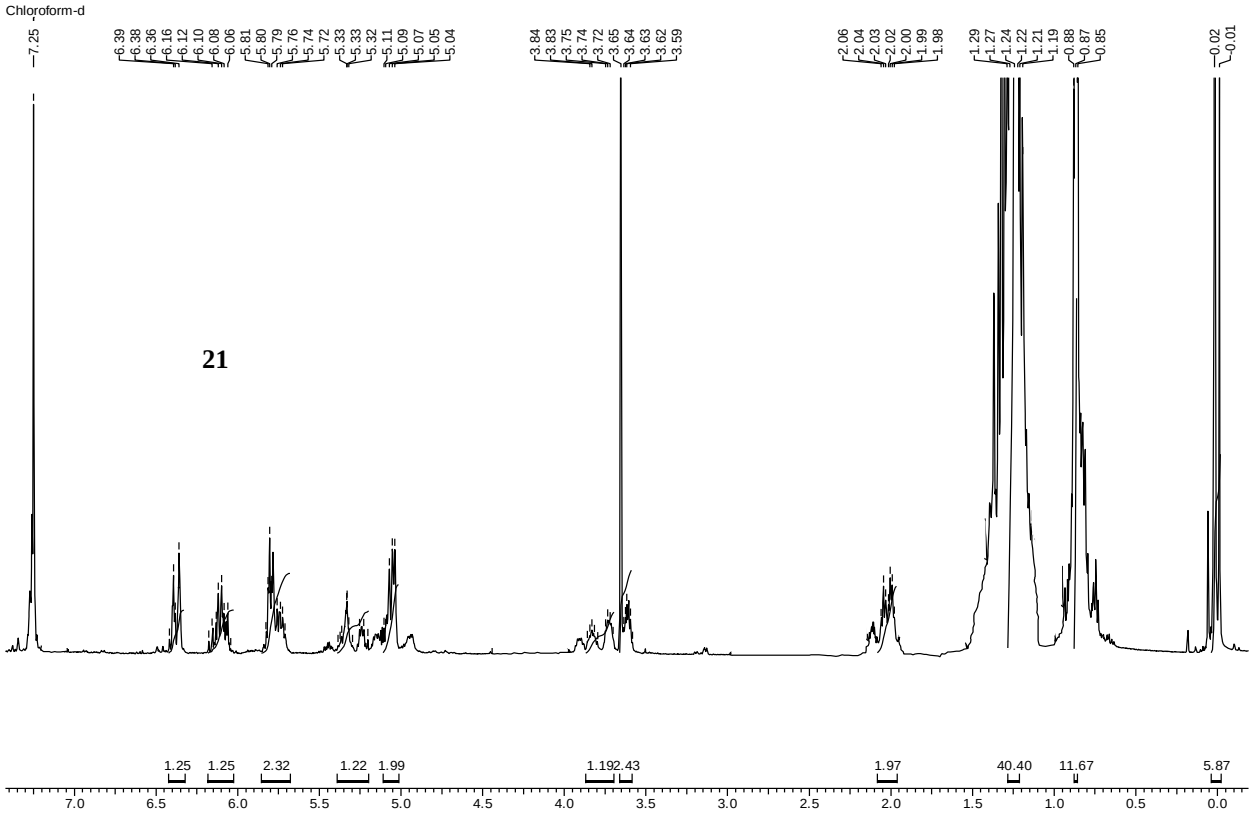

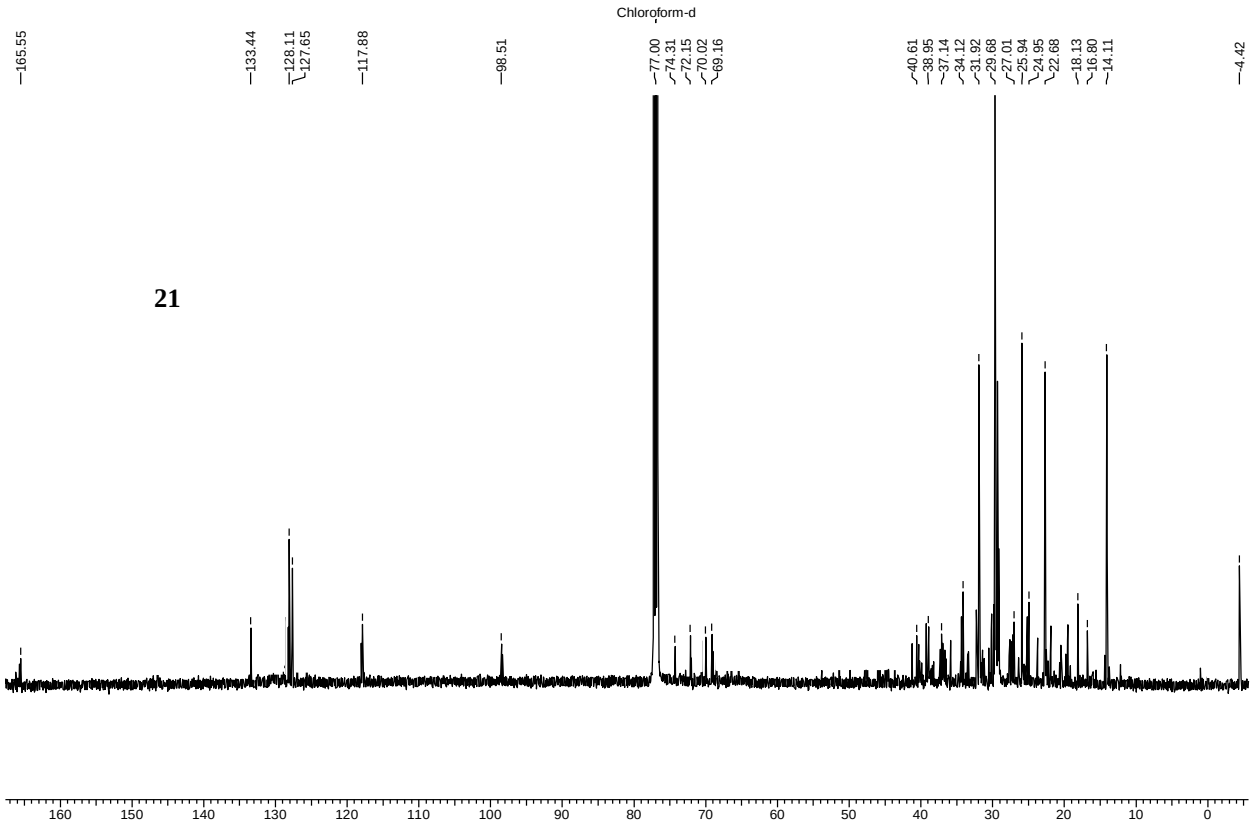

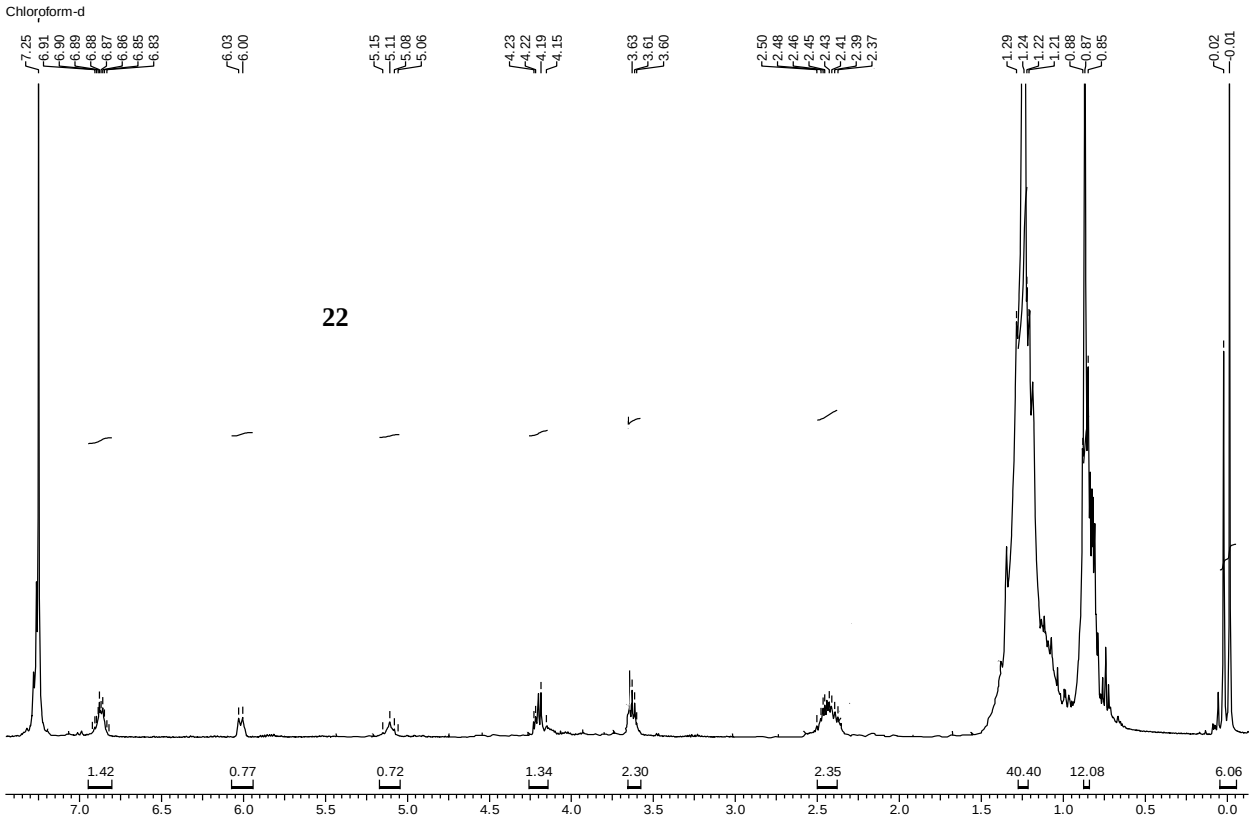

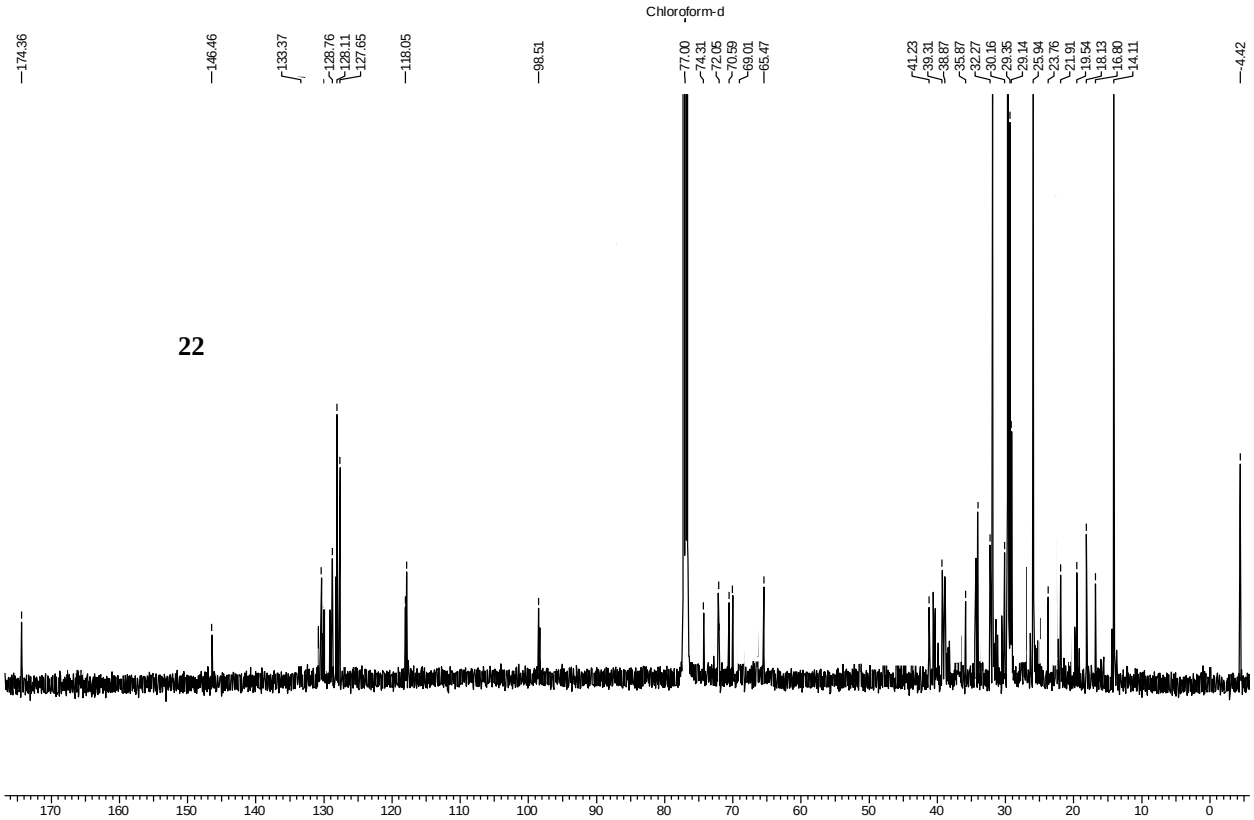

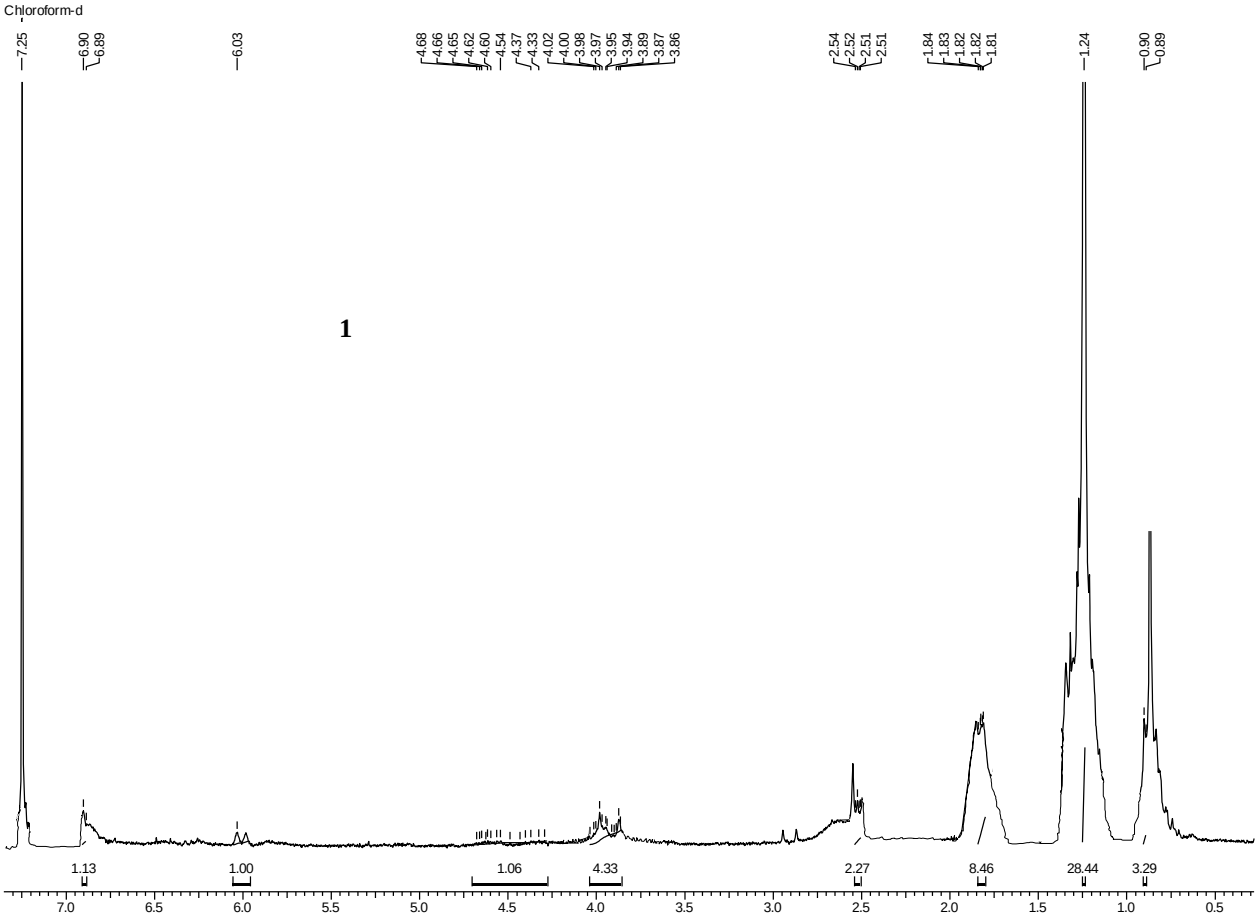

1