Supporting information

Briaviodiol F (**1**)

Briaviotriol A (**2**)

Briaviotriol B (**3**)

Briaviodiol A (**4**)

FT-MS

S 1-1 ESIMS spectrum of **1**

Mass Spectrum SmartFormula Report

Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
403.20886	1	C 21 H 32 Na O 6	100.00	403.20911	0.25	0.62	11.5	5.5	even	ok

S 1-2 HRESIMS spectrum of **1**

2
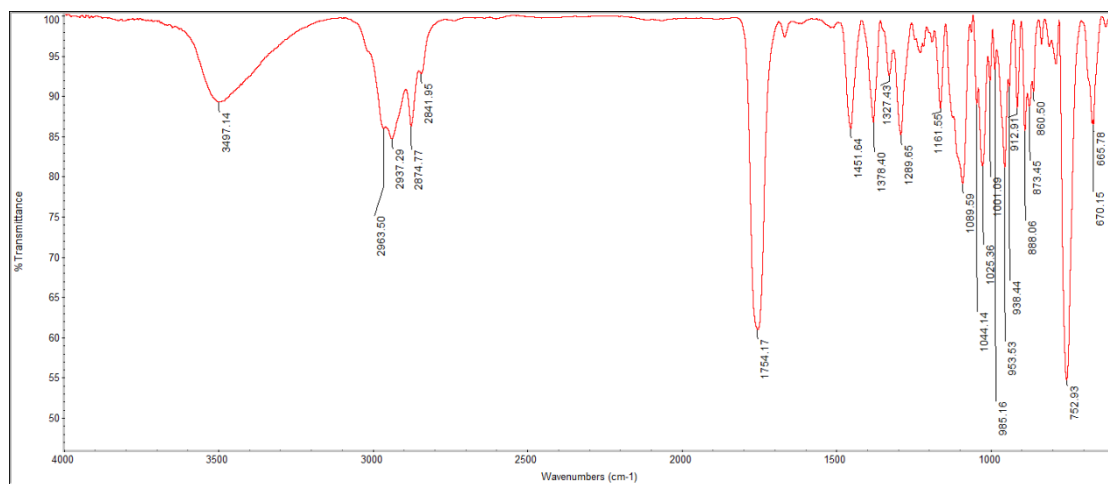
S 1-3 IR spectrum of **1**
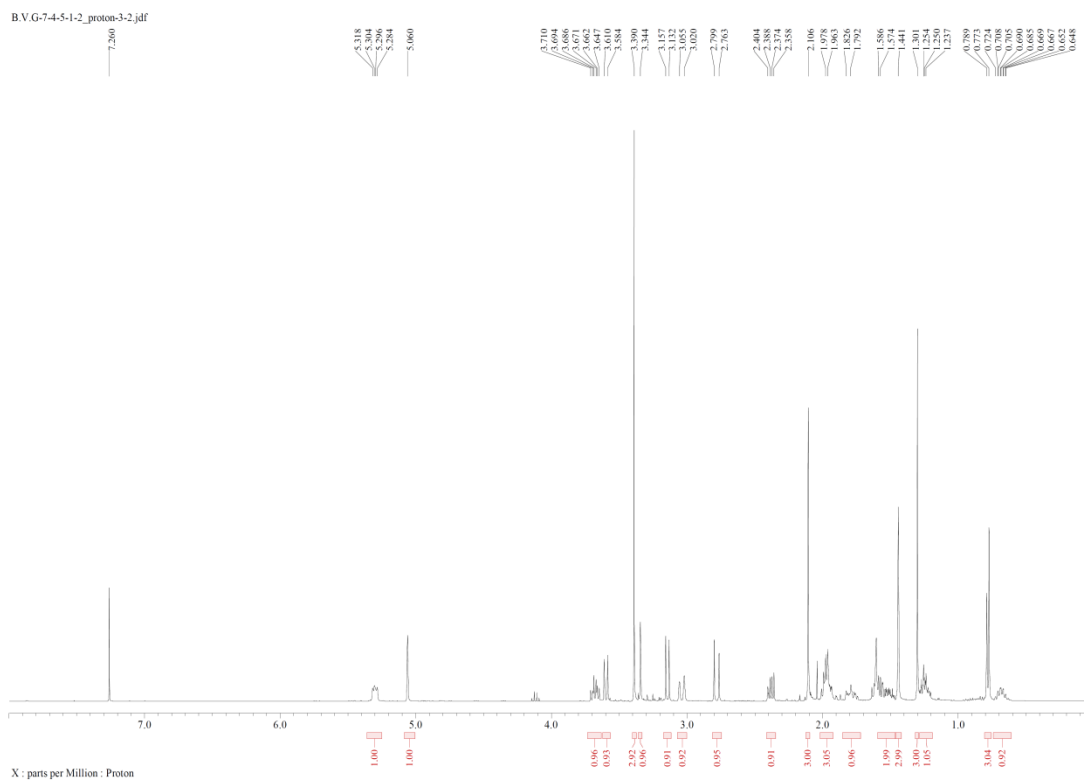
S 1-4 ^{1}H NMR spectrum of **1** (400 MHz, CDCl$_3$)

B.V.G-7-4-5-1-2_carbon-1-1.jdf

172.149 154.306 135.094 127.239 127.124 109.453 85.219 84.080 77.316 77.201 77.000 76.684 70.743 63.854 51.024 44.767 41.371 36.883 34.932 30.291 26.311 20.906 17.280 15.318 9.214

170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0
X : parts per Million : Carbon13
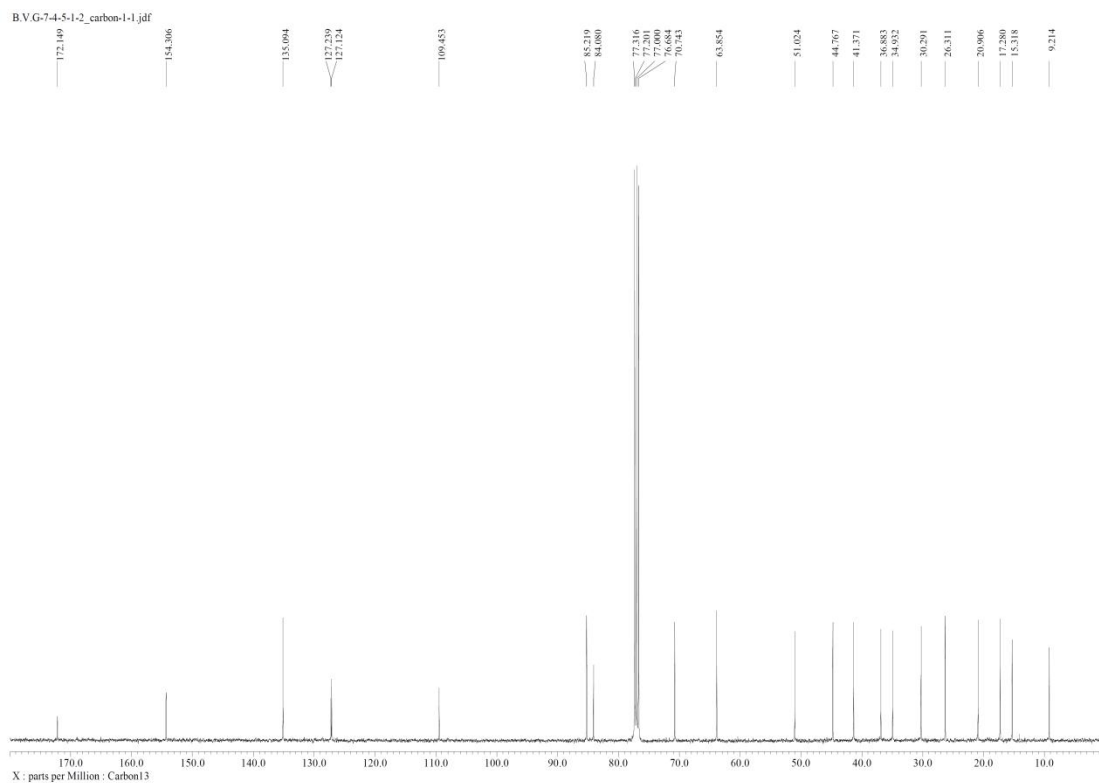
S 1-5 ^{13}C NMR spectrum of **1** (100 MHz, CDCl$_3$)

B.V.G-7-4-5-1-2_dept-2-3.jdf Y = 135[deg]

170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0
X : parts per Million : Carbon13

B.V.G-7-4-5-1-2_dept-2-4.jdf Y = 90[deg]

170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0
X : parts per Million : Carbon13
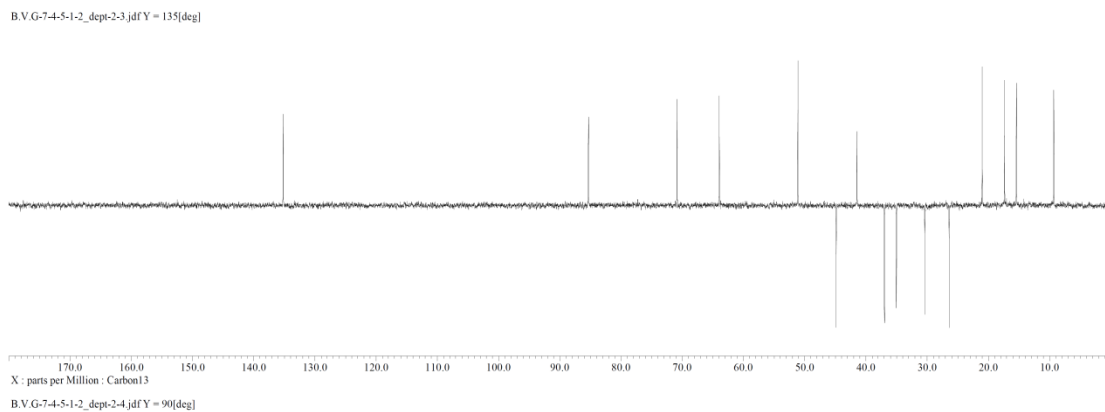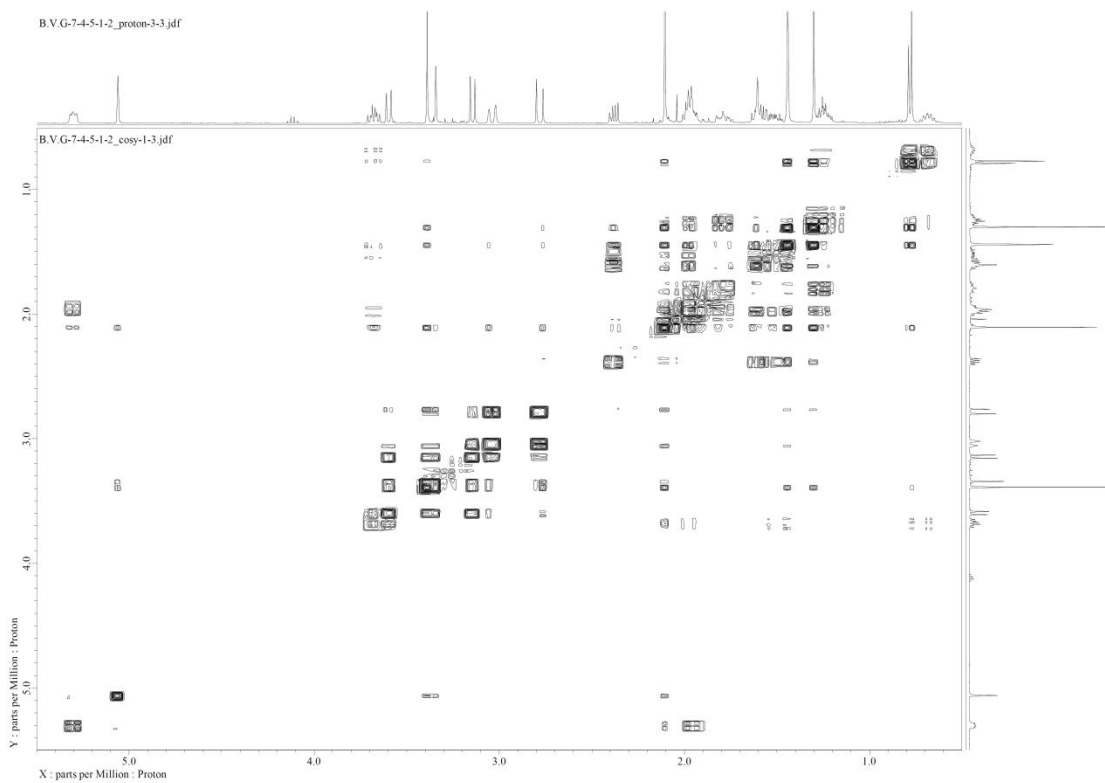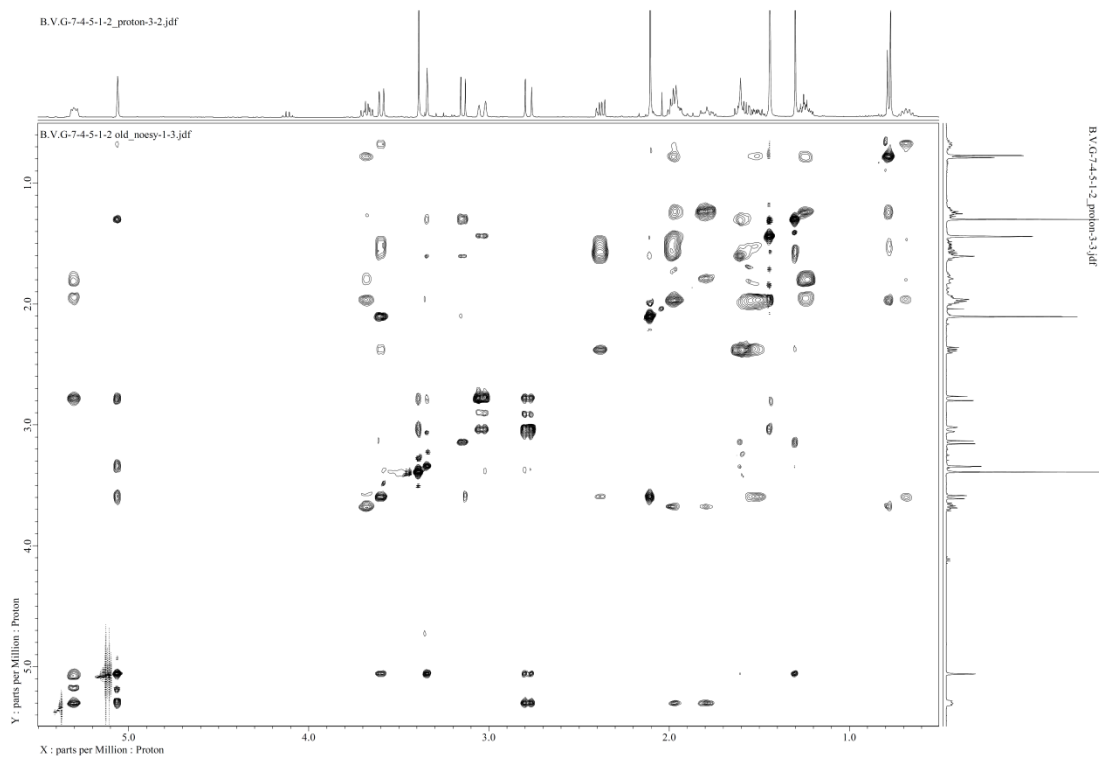
S 1-6 DEPT spectrum of **1**

4
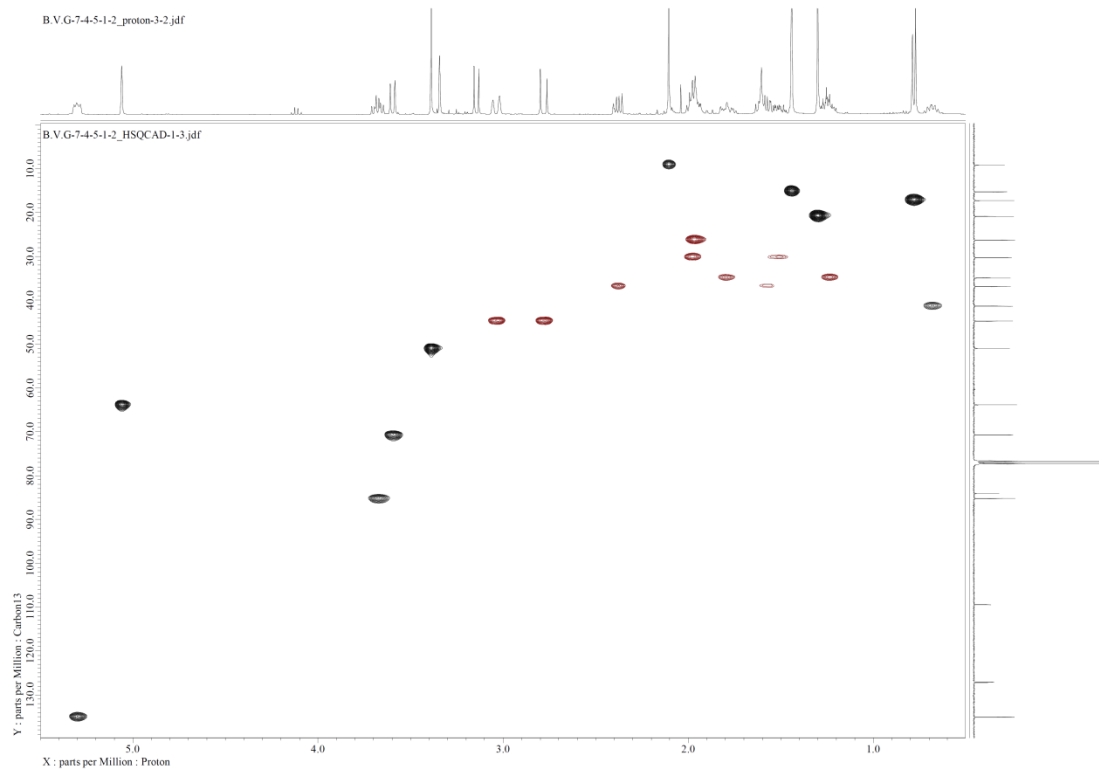
S 1-7 HSQC spectrum of **1**
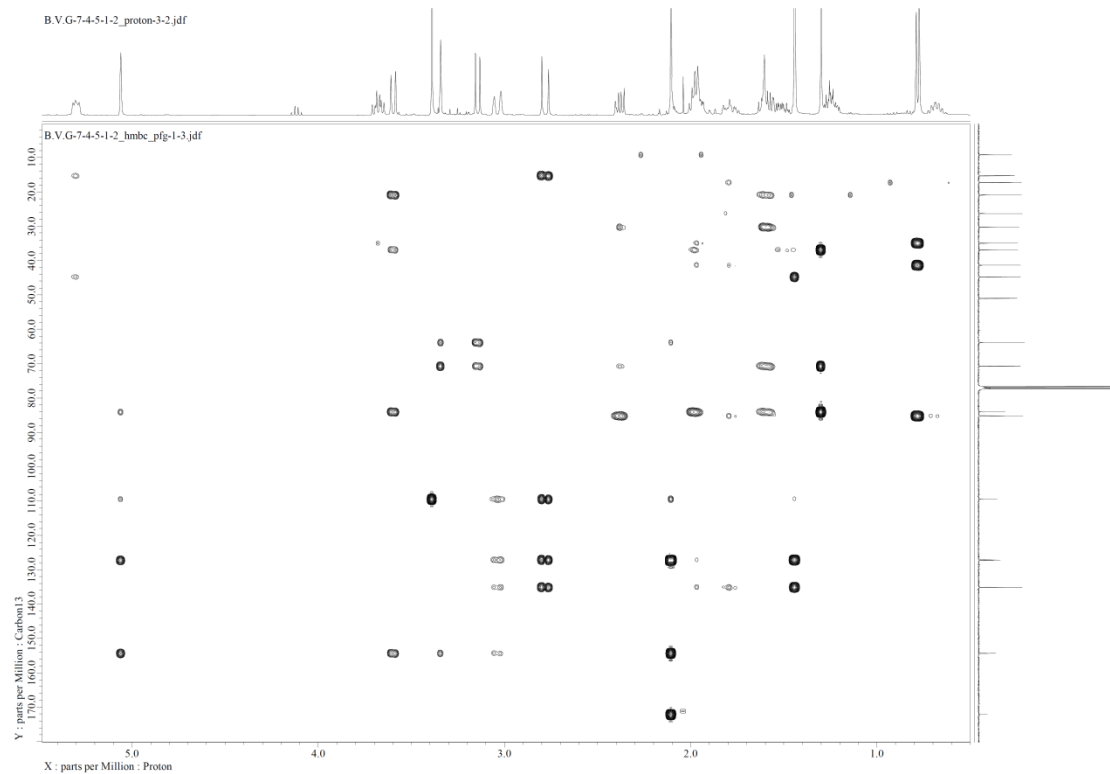
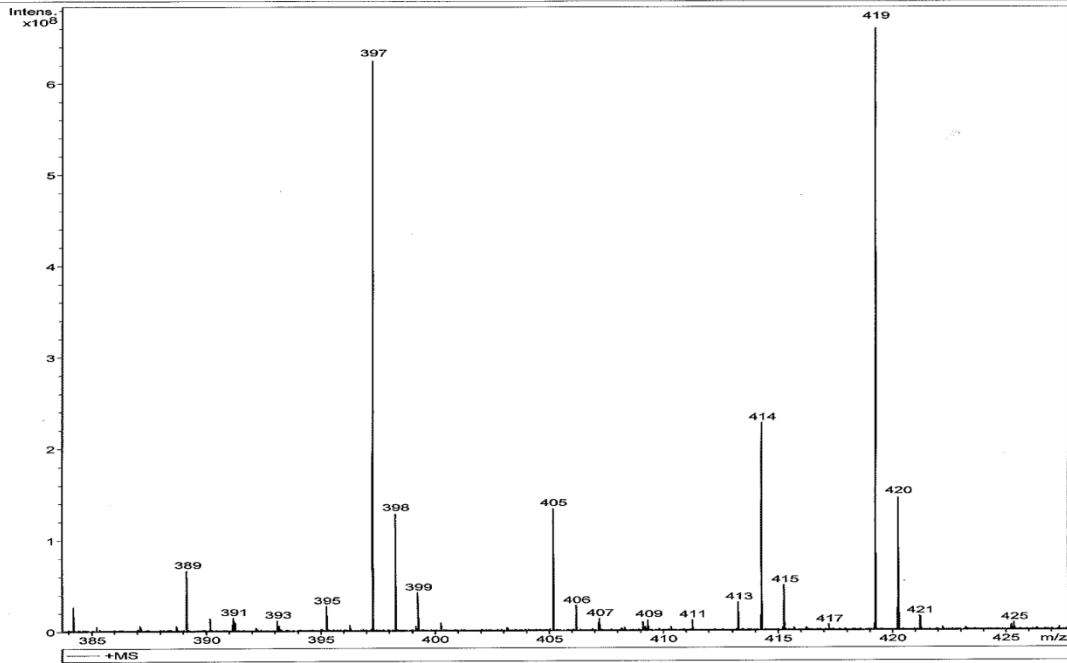S 1-8 HMBC spectrum of **1**

S 1-9 ^{1}H–^{1}H COSY spectrum of **1**

S 1-10 NOESY spectrum of **1**

FT-MS

S 2-1 ESIMS spectrum of **2**

Mass Spectrum SmartFormula Report
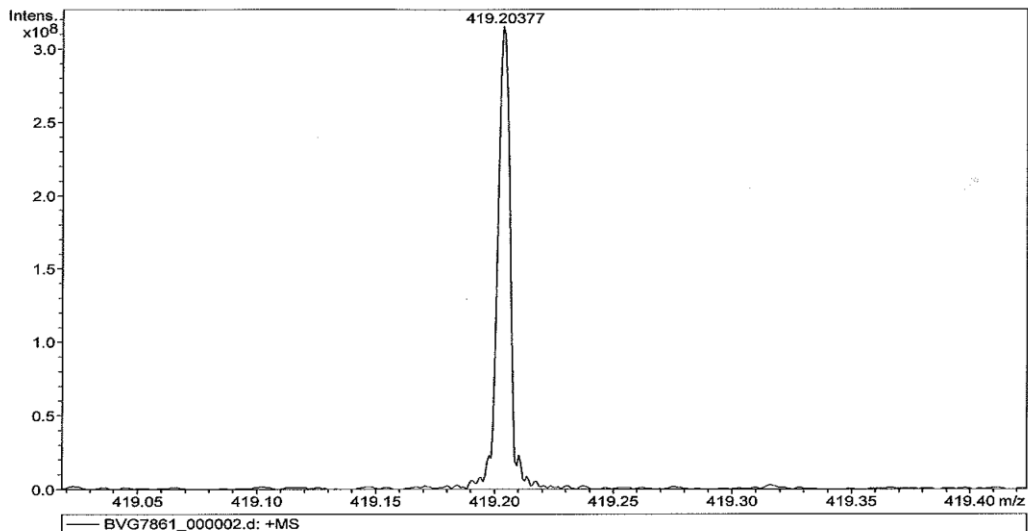
Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
419.20377	1	C 21 H 32 Na O 7	100.00	419.20402	0.25	0.60	14.8	5.5	even	ok

S 2-2 HRESIMS spectrum of **2**
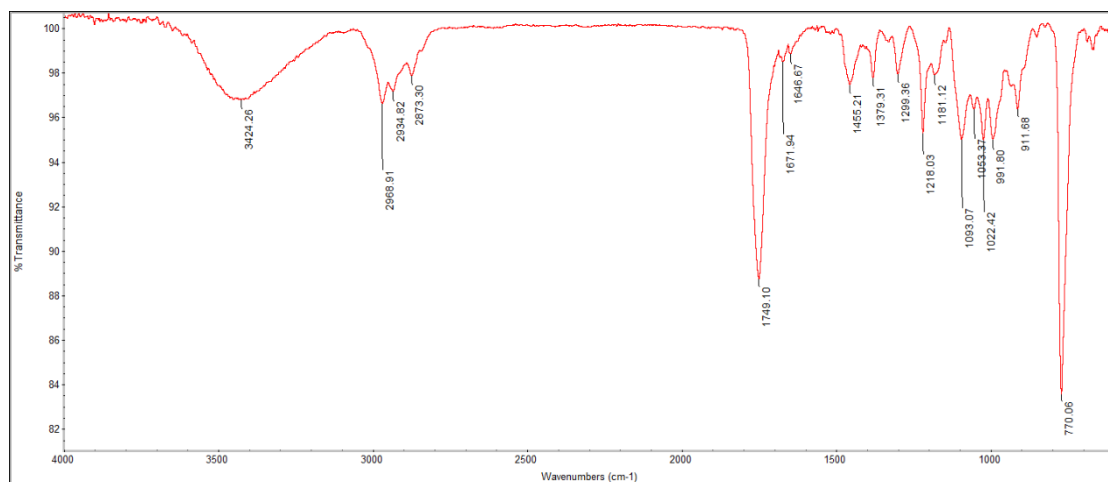
S 2-3 IR spectrum of **2**
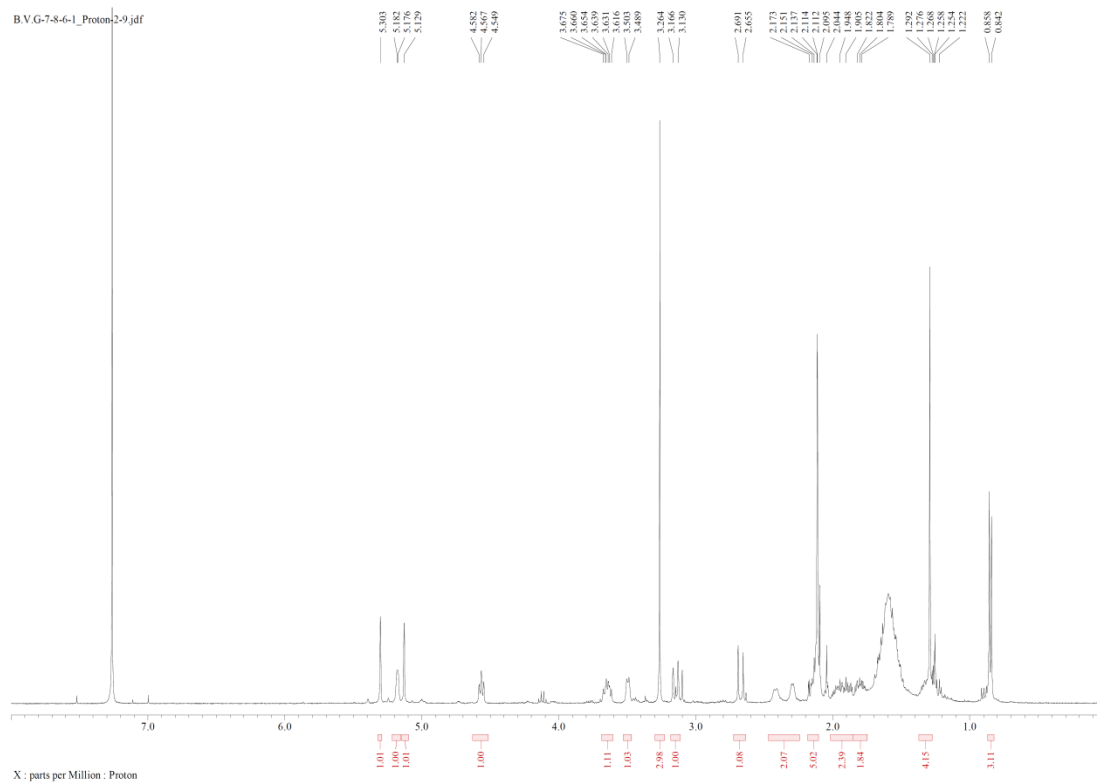
S 2-4 ¹H NMR spectrum of **2** (400 MHz, CDCl₃)

171.116
157.913
146.403
130.004
115.586
107.779
85.439
84.367
77.201
75.211
69.116
67.662
50.670
42.203
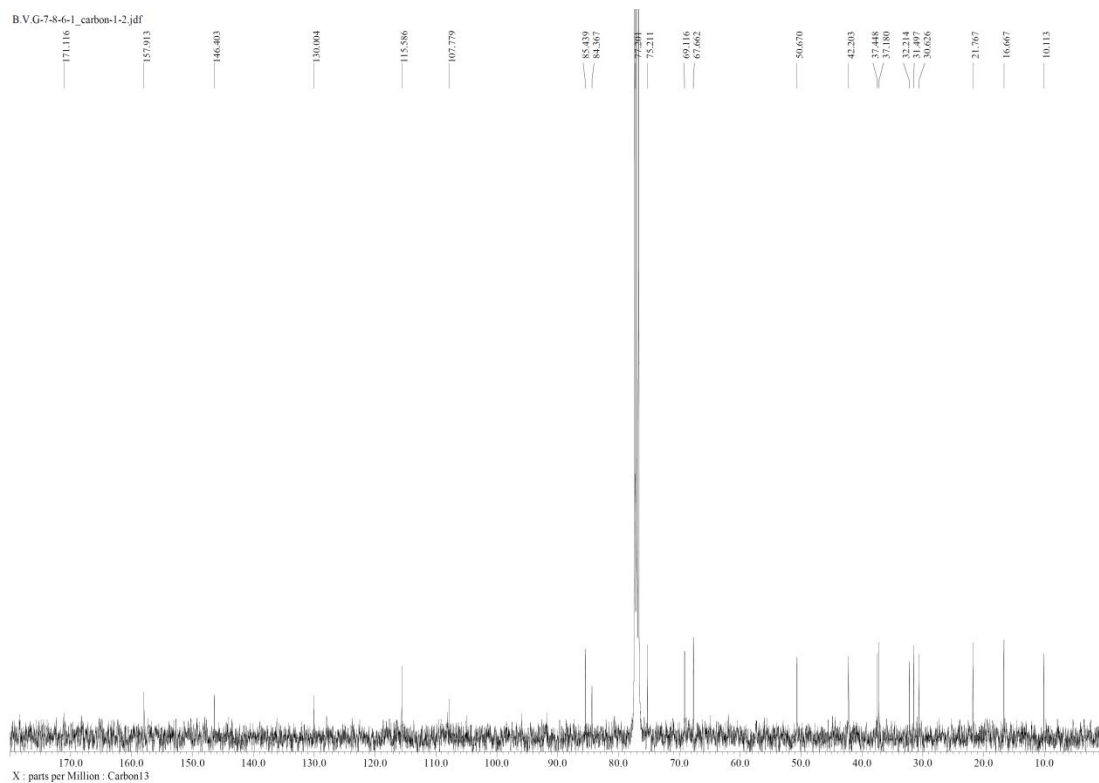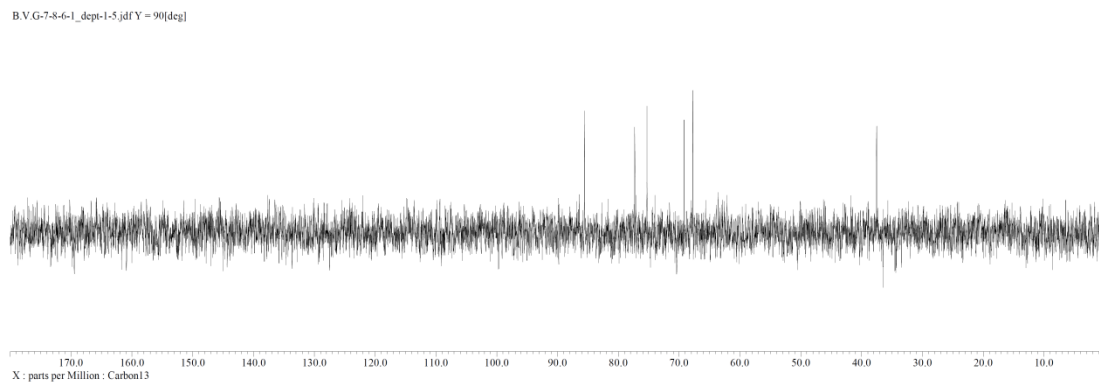37.448
37.180
32.214
31.497
30.626
21.767
16.667
10.113

X : parts per Million : Carbon13

S 2-5 ^{13}C NMR spectrum of **2** (100 MHz, CDCl$_3$)

X : parts per Million : Carbon13

X : parts per Million : Carbon13
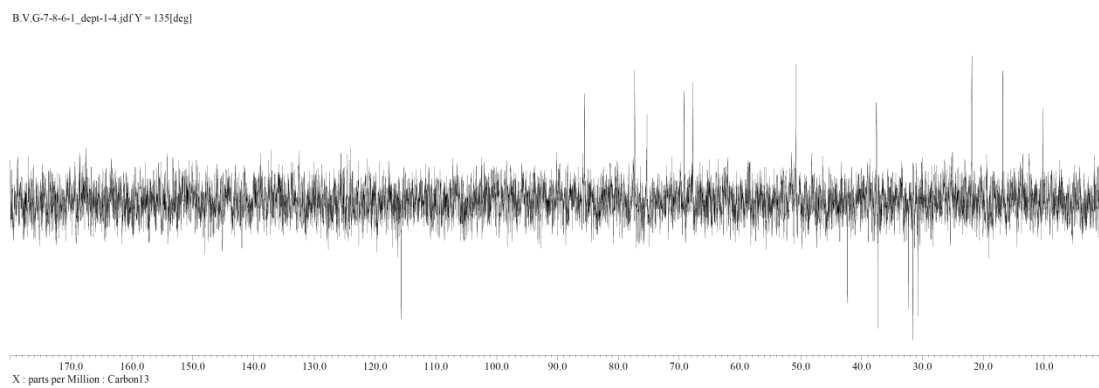
S 2-6 DEPT spectrum of **2**
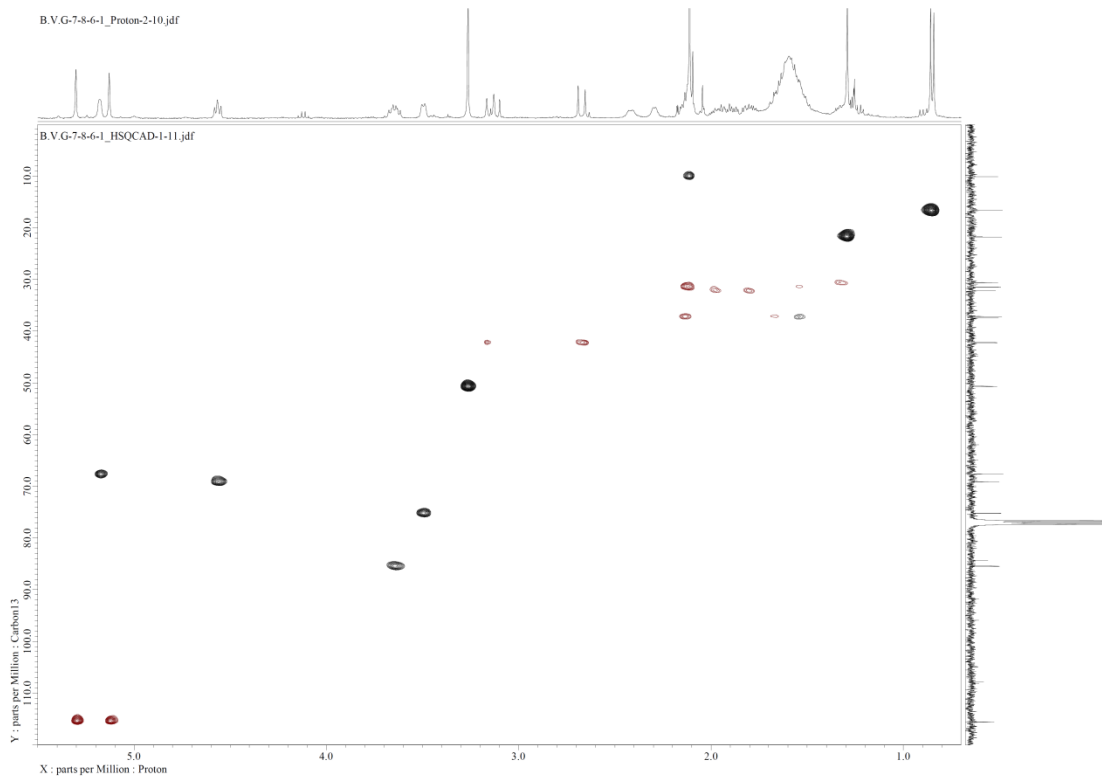
S 2-7 HSQC spectrum of **2**
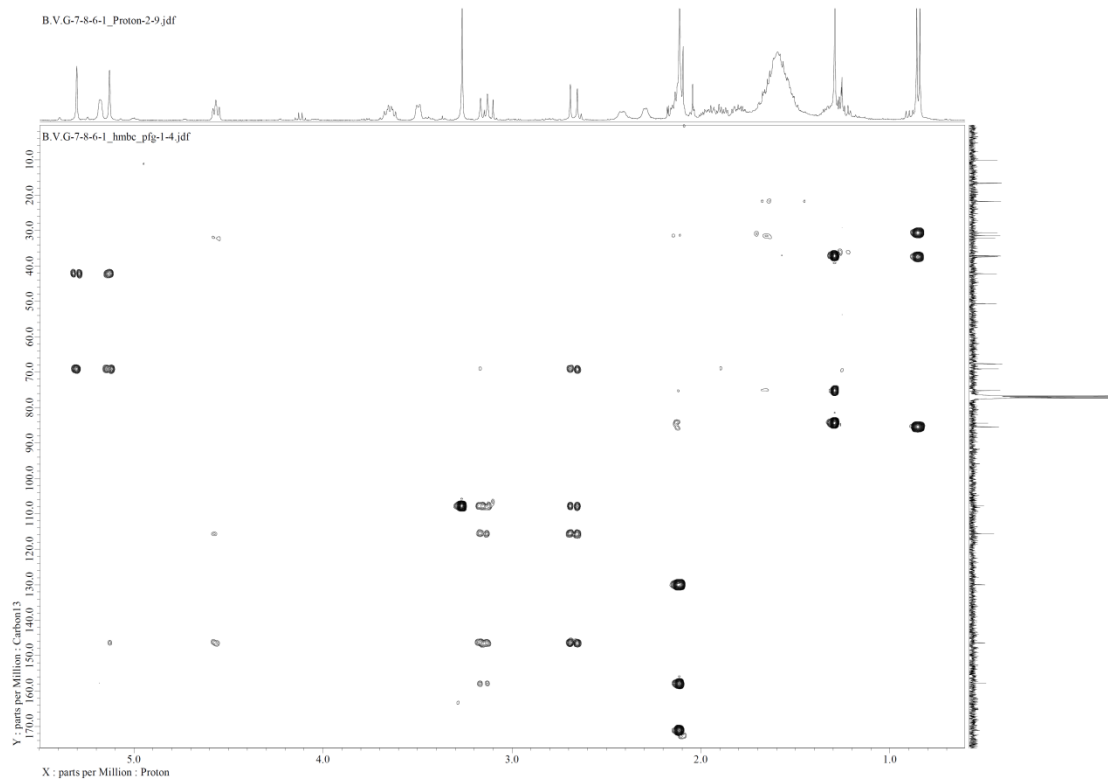
S 2-8 HMBC spectrum of **2**

S 2-9 ^{1}H–^{1}H COSY spectrum of **2**

S 2-10 NOESY spectrum of **2**

S 3-1 ESIMS spectrum of **3**

S 3-2 HRESIMS spectrum of **3**

S 3-3 IR spectrum of **3**
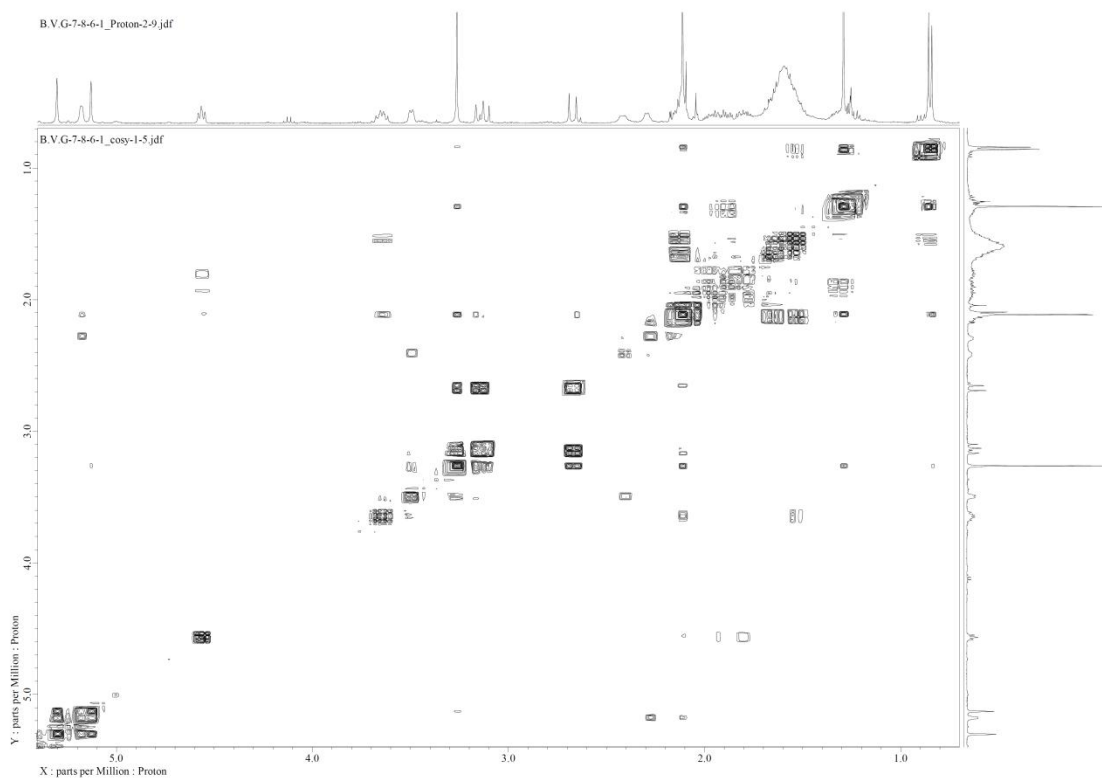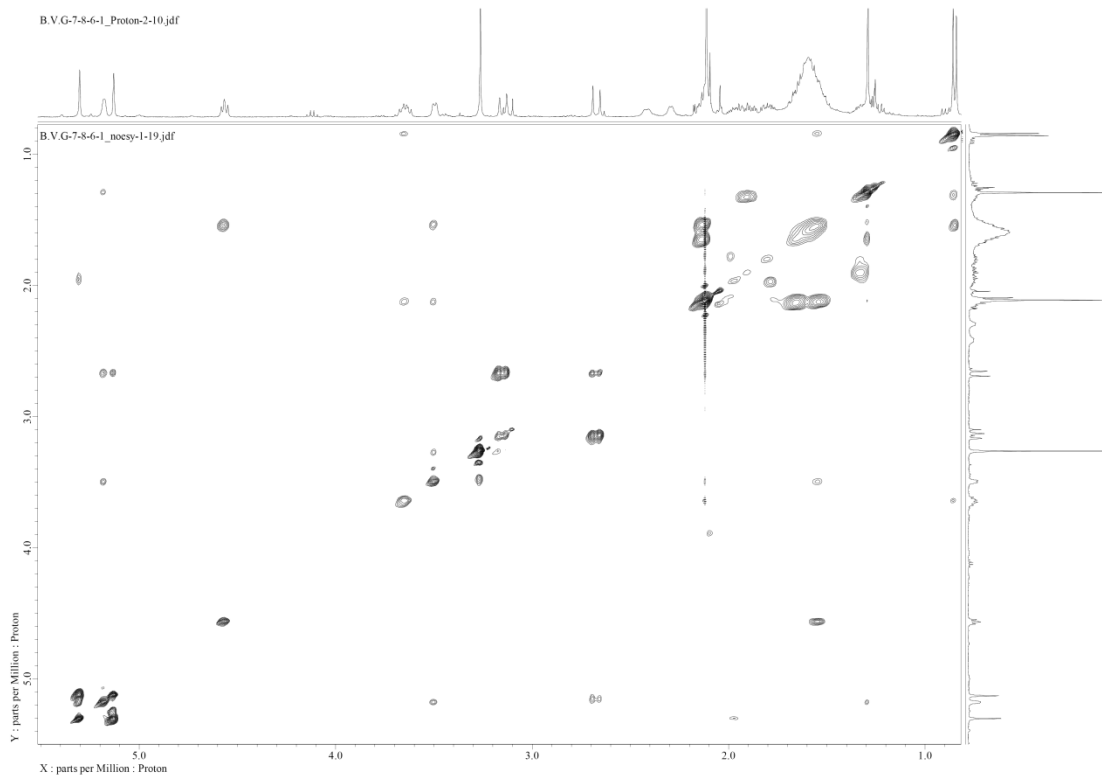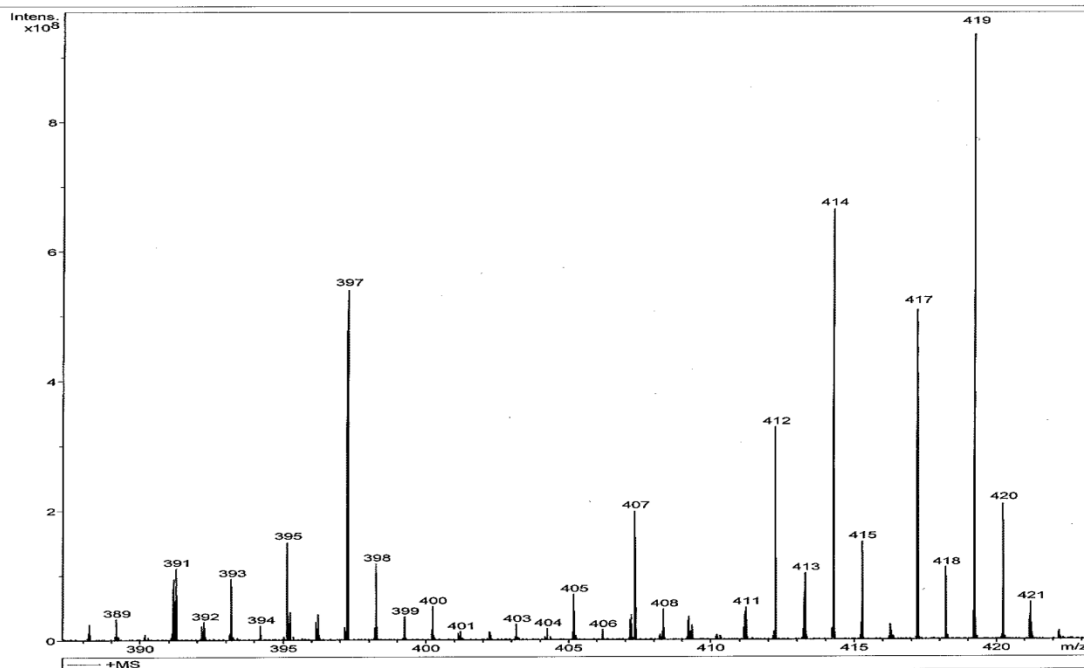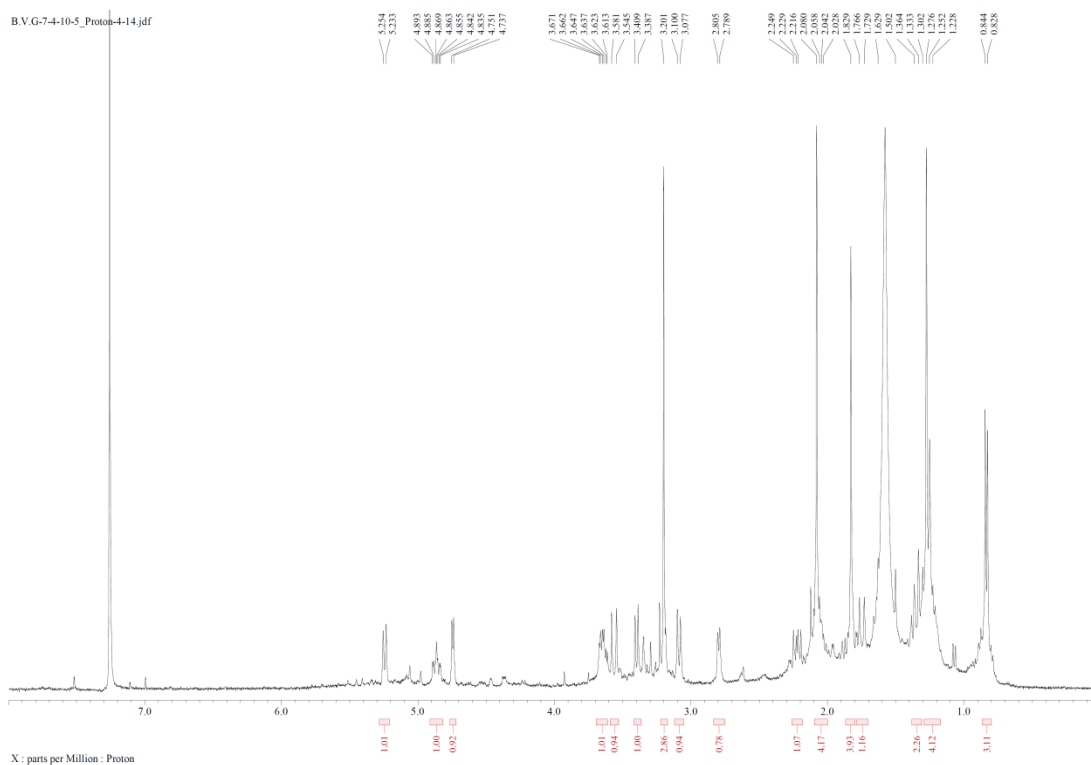

S 3-4 ^{1}H NMR spectrum of **3** (400 MHz, CDCl$_3$)

171.852
159.826
133.535
130.980
128.502
107.702
87.285
85.113
77.201
68.743
63.481
51.120
44.853
39.591
35.506
35.314
32.769
24.044
21.135
20.111
9.578

170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0
X : parts per Million : Carbon13
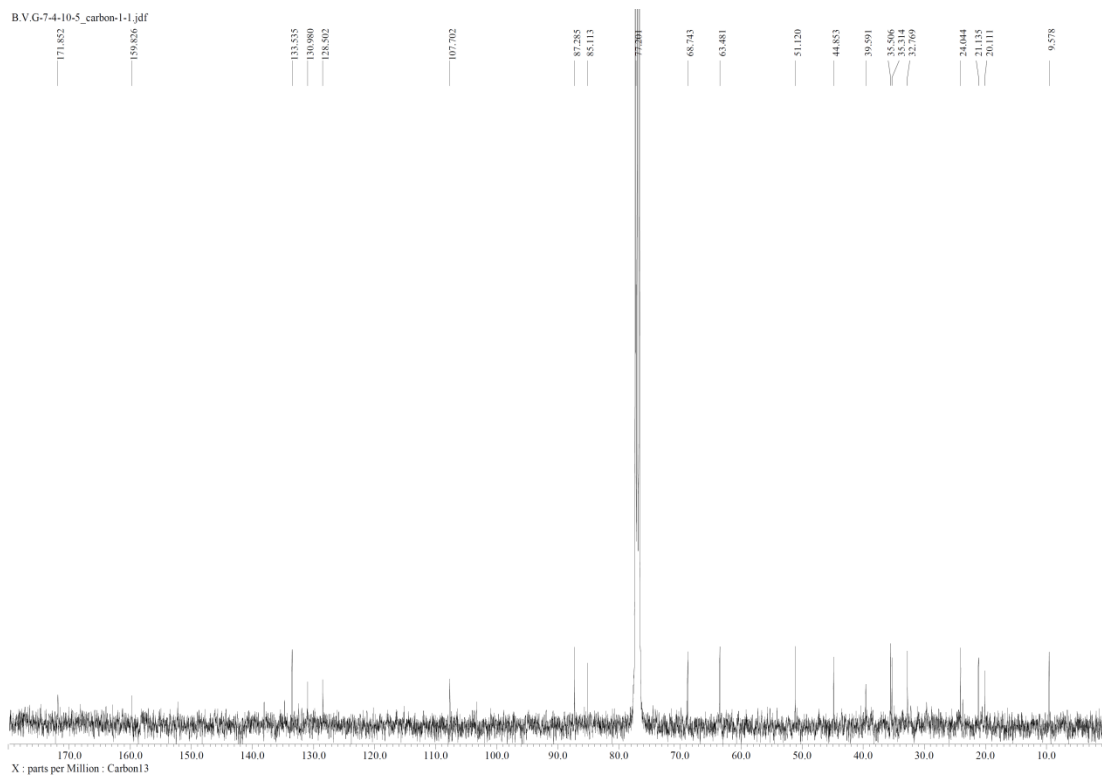
S 3-5 ^{13}C NMR spectrum of **3** (100 MHz, CDCl$_3$)

170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0
X : parts per Million : Carbon13

170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0
X : parts per Million : Carbon13
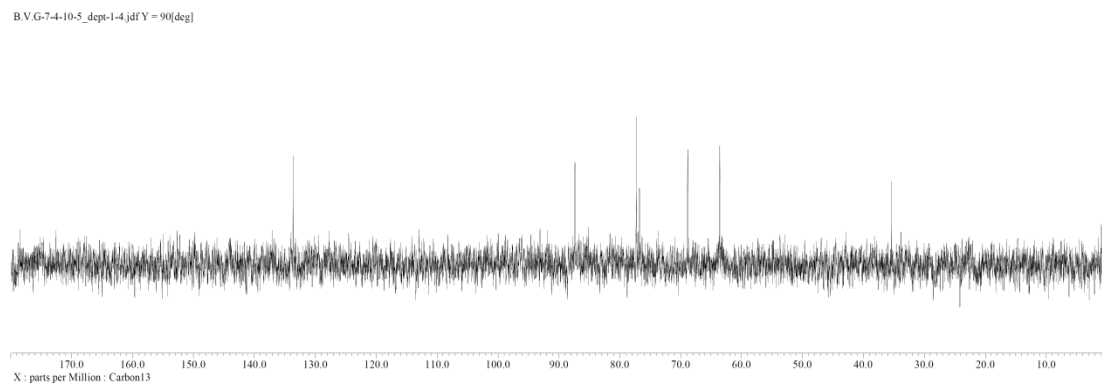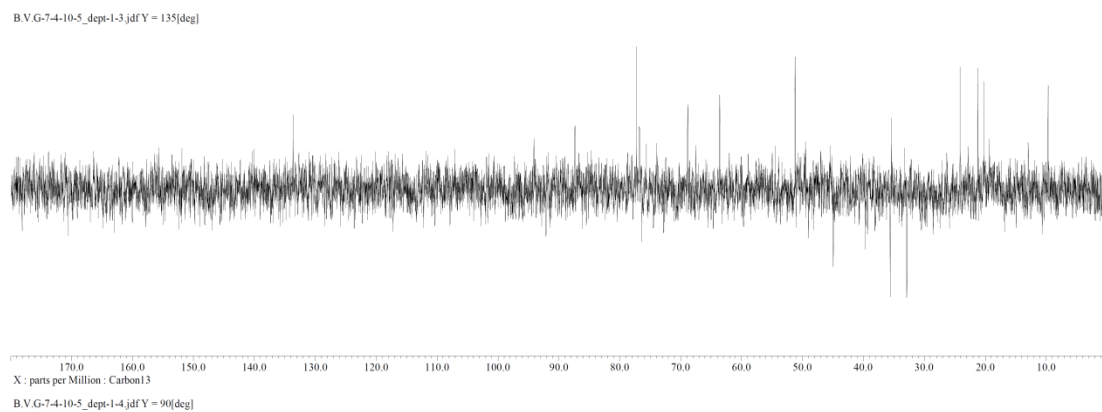
S 3-6 DEPT spectrum of **3**

14
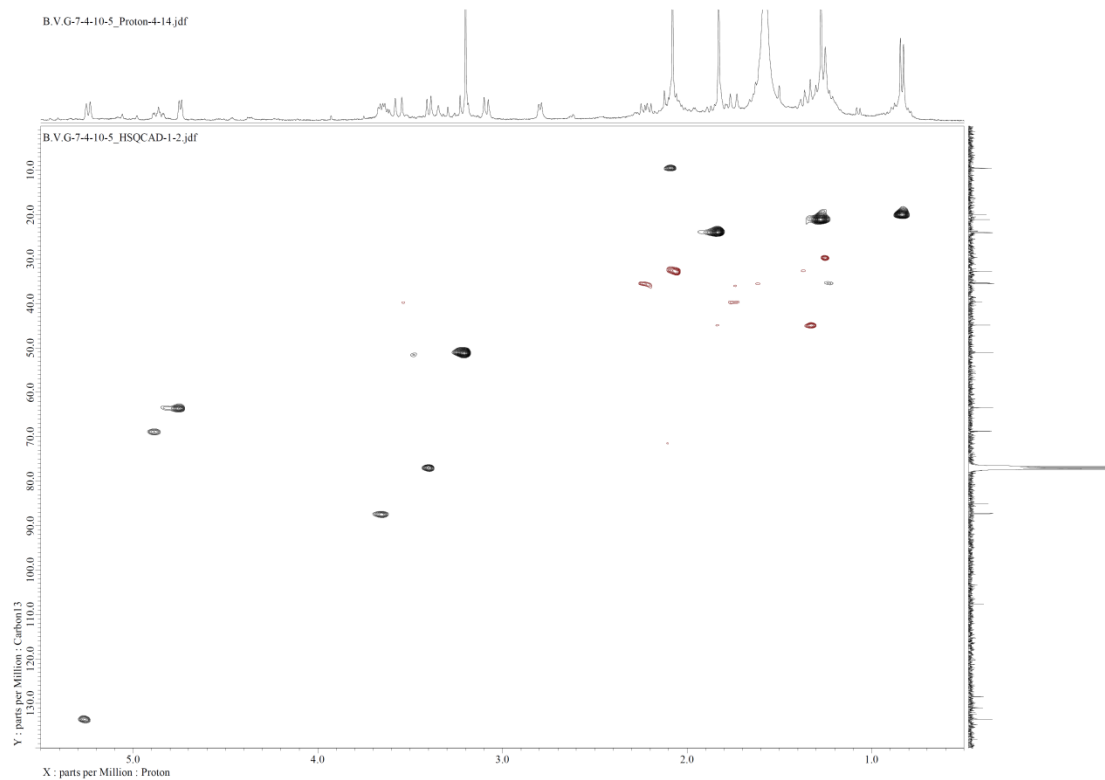
S 3-7 HSQC spectrum of **3**
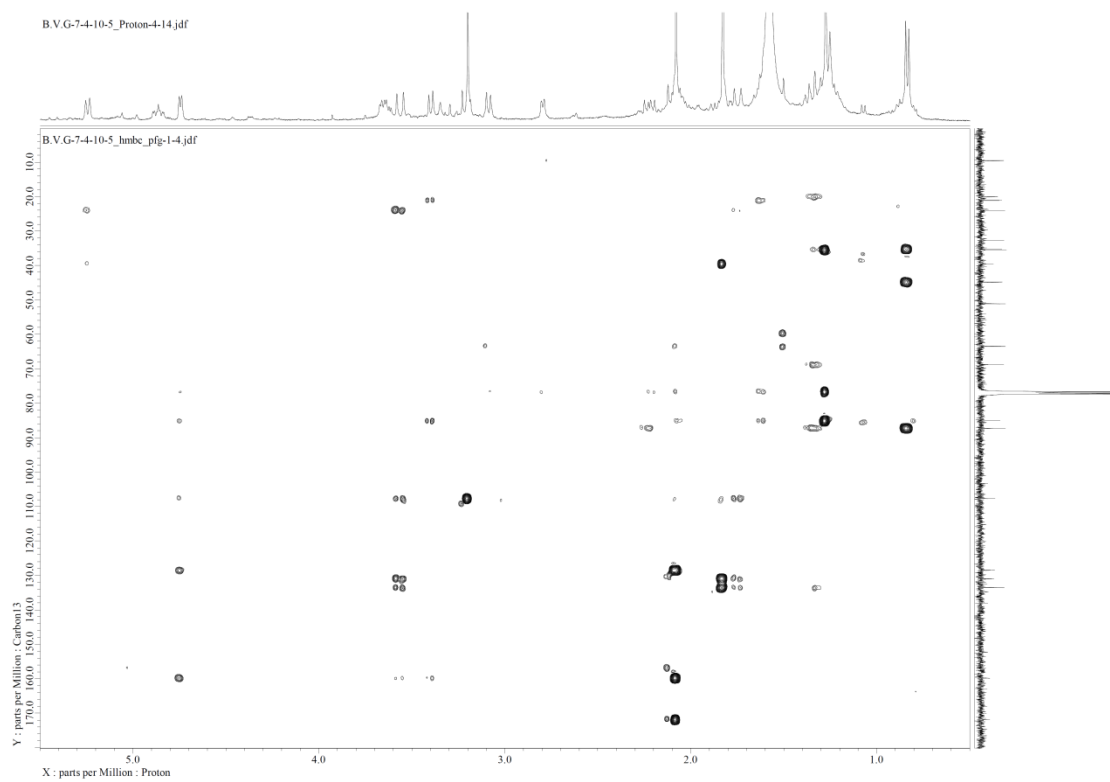
S 3-8 HMBC spectrum of **3**

S 3-9 ^{1}H–^{1}H COSY spectrum of **3**

S 3-10 NOESY spectrum of **3**

7.260

5.545
5.525
5.506
5.202
5.191

3.720
3.702
3.693
3.685
3.677
3.660
3.392
3.390
3.329
3.031
2.996

2.402
2.389
2.370
2.334
2.276
2.250
2.120
2.106
2.095
1.757
1.684
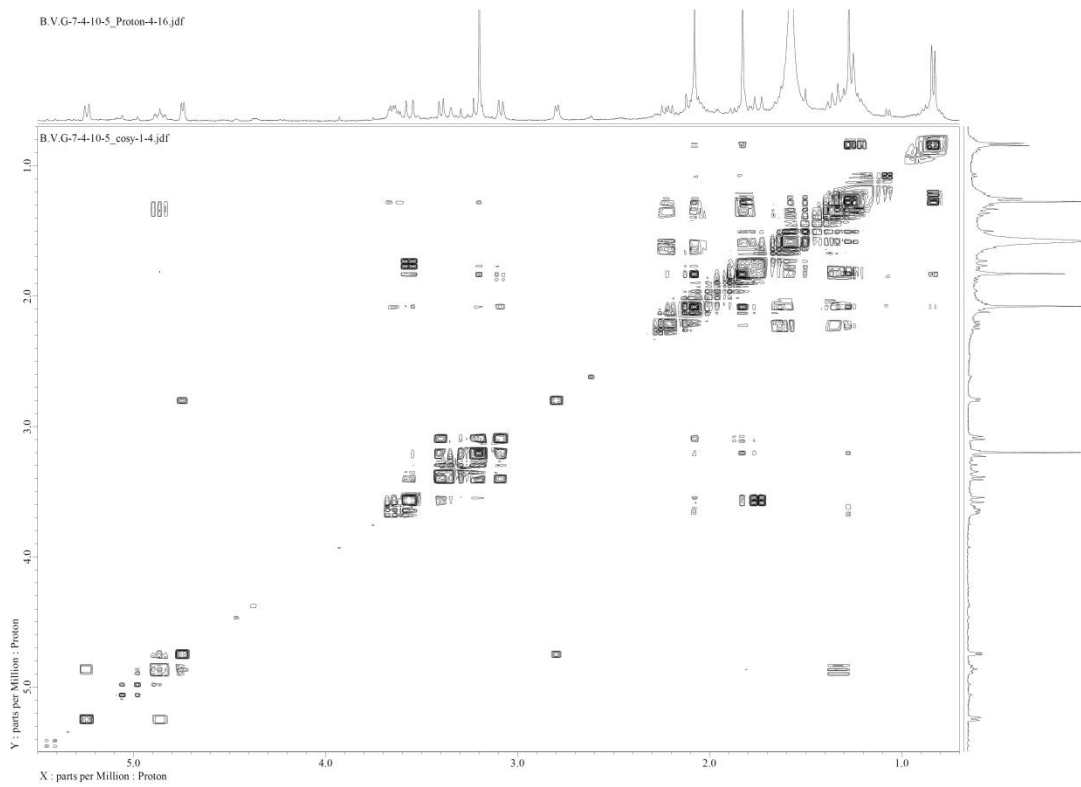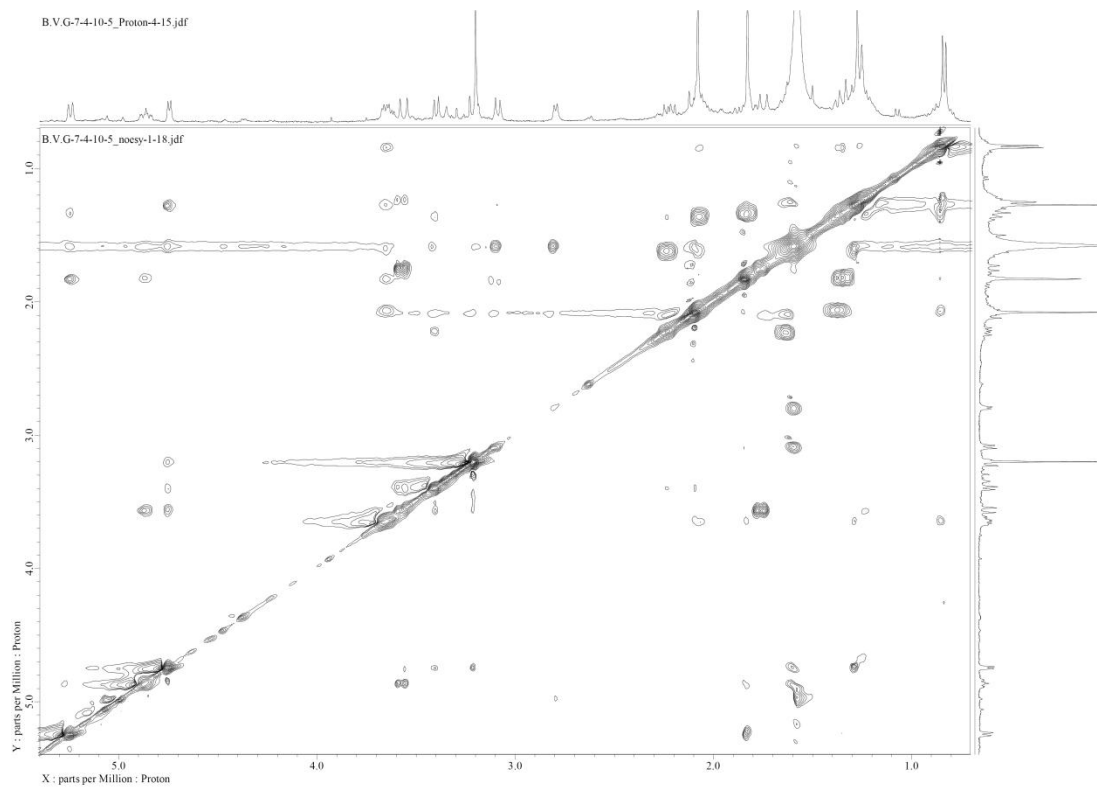1.674
1.665
1.652
1.384
1.275
1.257
1.252
1.184
0.863
0.847

7.0   6.0   5.0   4.0   3.0   2.0   1.0

X : parts per Million : Proton

0.98   1.00   0.98   1.00   1.11   1.00   3.00   0.98   1.86   1.00   5.14   1.84   4.21   1.00   1.00   3.12   1.07   0.05   3.01
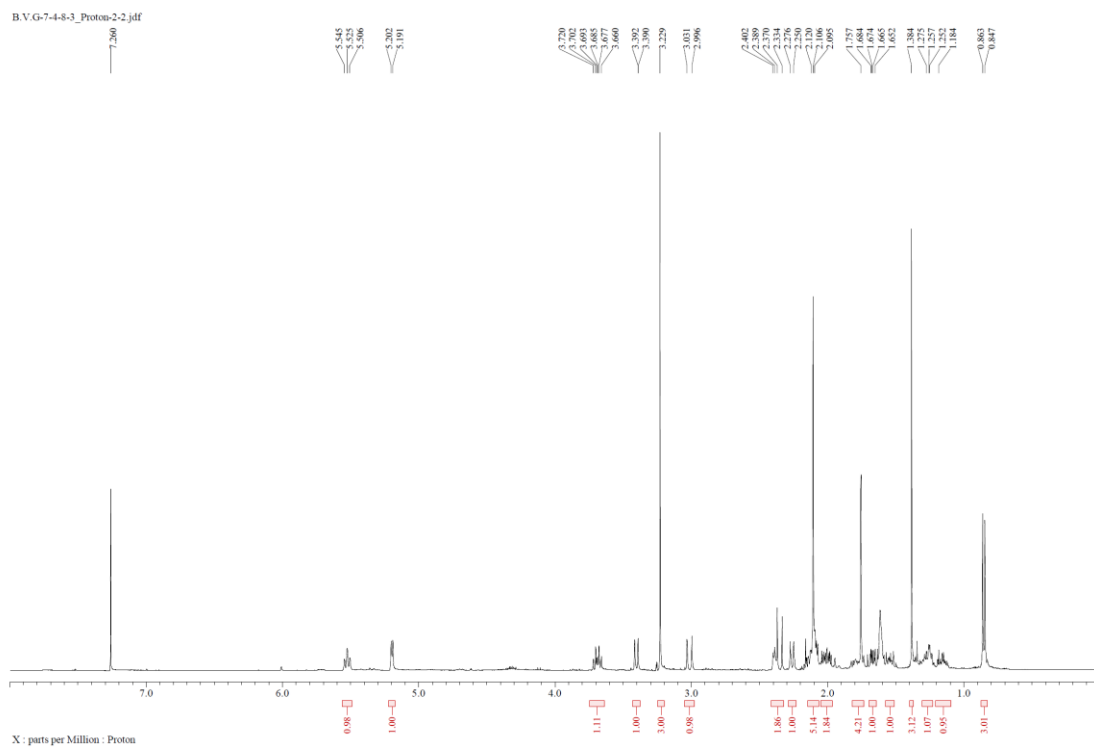
S 4-1 ^{1}H NMR spectrum of **4** (400 MHz, CDCl$_3$)

171.317

158.123

131.477
130.588
129.870

108.515

85.381
84.702

76.168

68.361

50.766
47.235

38.290
38.232
32.530
30.464

24.580
23.010
18.935
16.323

10.410

170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0

X : parts per Million : Carbon13
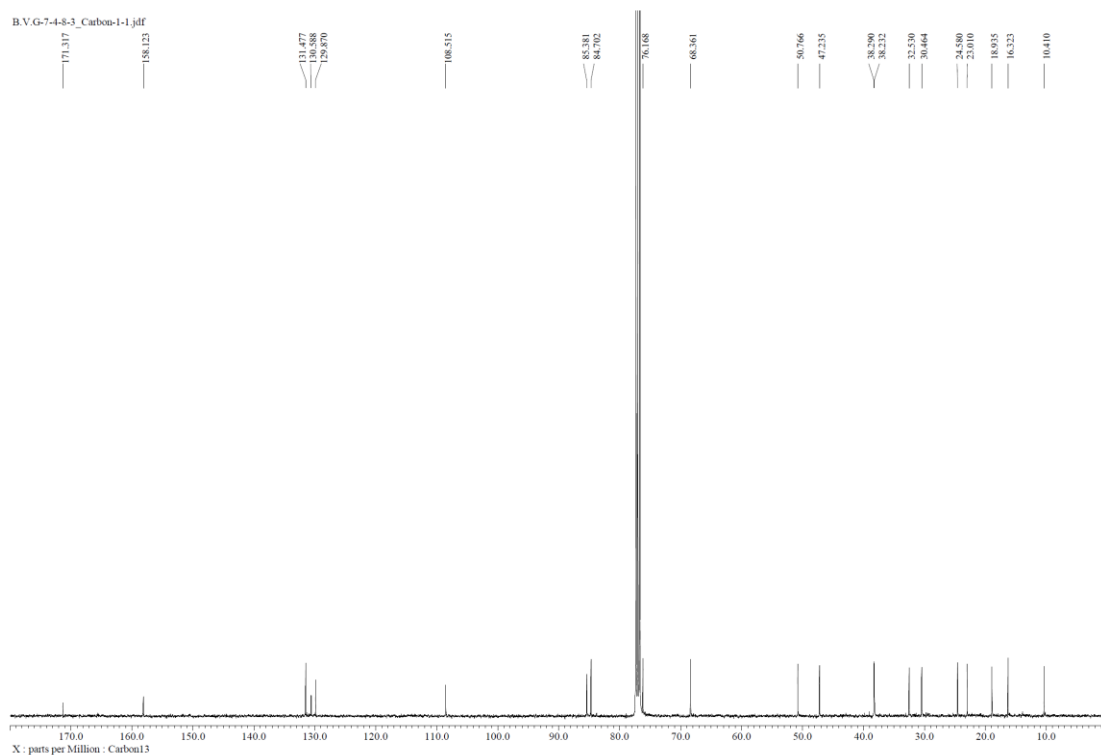
S 4-2 ^{13}C NMR spectrum of **4** (100 MHz, CDCl$_3$)

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