

Supporting Information

Phytochemical Investigation of *Cycas circinalis* and *Cycas revoluta* Leaflets: Moderately Active Antibacterial Biflavonoids

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Compound 2
¹H NMR

Parameter	Value
1 Data File Name	C:/ Documents and Settings/ Administrator/ Desktop/ NMR DATA/ DMTHA/ 1/ fid
2 Title	DMTHA
3 Origin	Bruker BioSpin GmbH
4 Owner	moawad
5 Solvent	Acetone
6 Pulse Sequence	zg30
7 Acquisition Date	2009-01-27T12:51:45
8 Modification Date	
9 Temperature	298.2
10 Number of Scans	8
11 Spectrometer Frequency	400.15
12 Spectral Width	8223.7
13 Lowest Frequency	-1640.8
14 Nucleus	¹ H
15 Acquired Size	32768
16 Spectral Size	65536

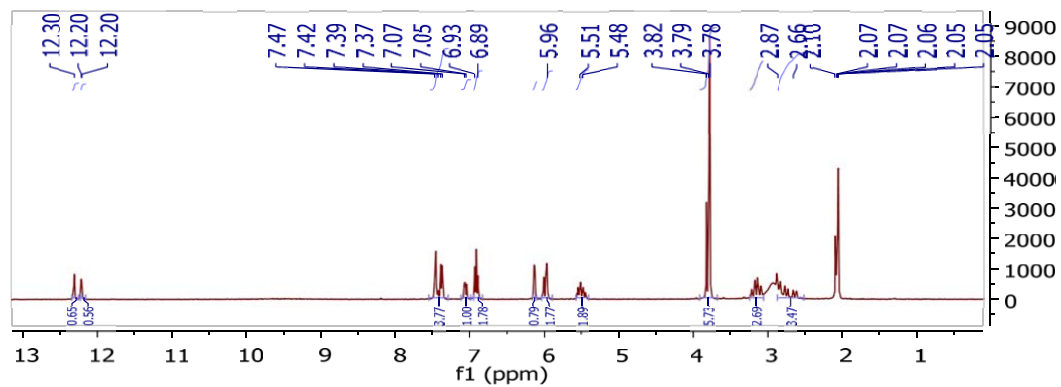
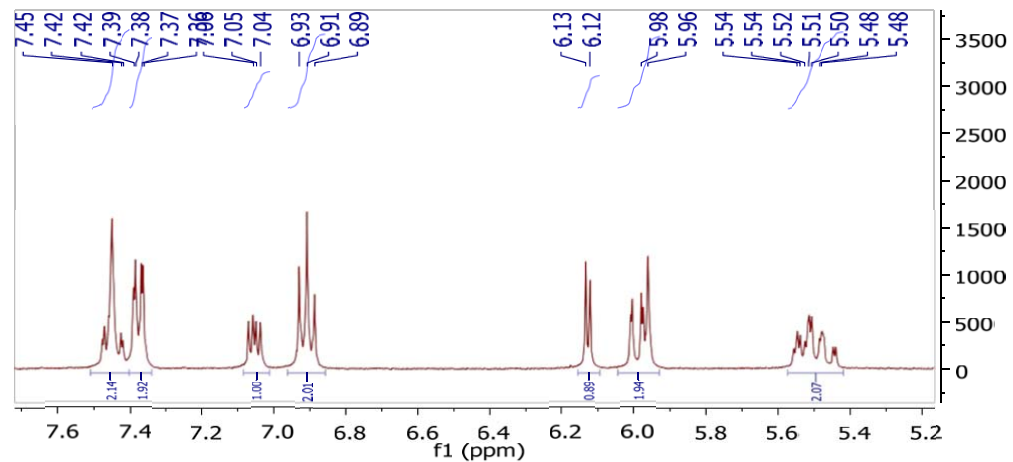


Fig. 1S ¹H NMR spectrum of compound 2.

2
Compound
¹³C NMR

Parameter	Value
1 Data File Name	F:/ raw dataNMR/ DMTHA (FINAL 9 mg)/ 2/ fid
2 Title	Bruker AV400 Carbon
3 Origin	Bruker BioSpin GmbH
4 Owner	moawad
5 Solvent	Acetone
6 Pulse Sequence	zgpg30
7 Acquisition Date	2009-03-01T11:00:38
8 Modification Date	
9 Temperature	298.2
10 Number of Scans	3000
11 Spectrometer Frequency	100.62
12 Spectral Width	24038.5
13 Lowest Frequency	-1957.9
14 Nucleus	¹³ C
15 Acquired Size	32768
16 Spectral Size	65536

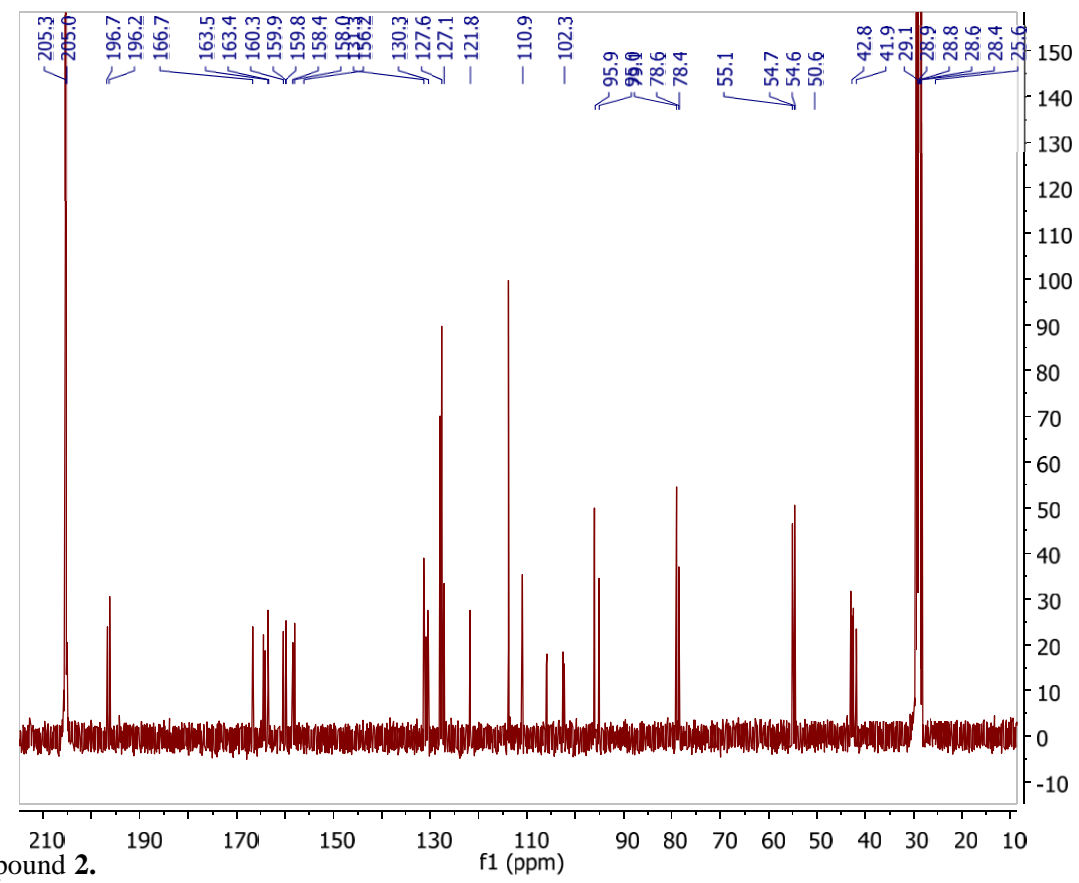


Fig. 2S ¹³C NMR spectrum of compound 2.

Compound **6**
¹H NMR

Parameter	Value
1 Data File Name	C:/ Documents and Settings/ Administrator/ Desktop/ NMR DATA/ 1B1 mix (MTHA)/ 1/ fid
2 Title	1B1 mix (MTHA)
3 Origin	Bruker BioSpin GmbH
4 Owner	moawad
5 Solvent	Acetone
6 Pulse Sequence	zg30
7 Acquisition Date	2009-01-07T10:04:03
8 Modification Date	
9 Temperature	298.2
10 Number of Scans	24
11 Spectrometer Frequency	400.15
12 Spectral Width	8223.7
13 Lowest Frequency	-1640.8
14 Nucleus	¹ H
15 Acquired Size	32768
16 Spectral Size	65536

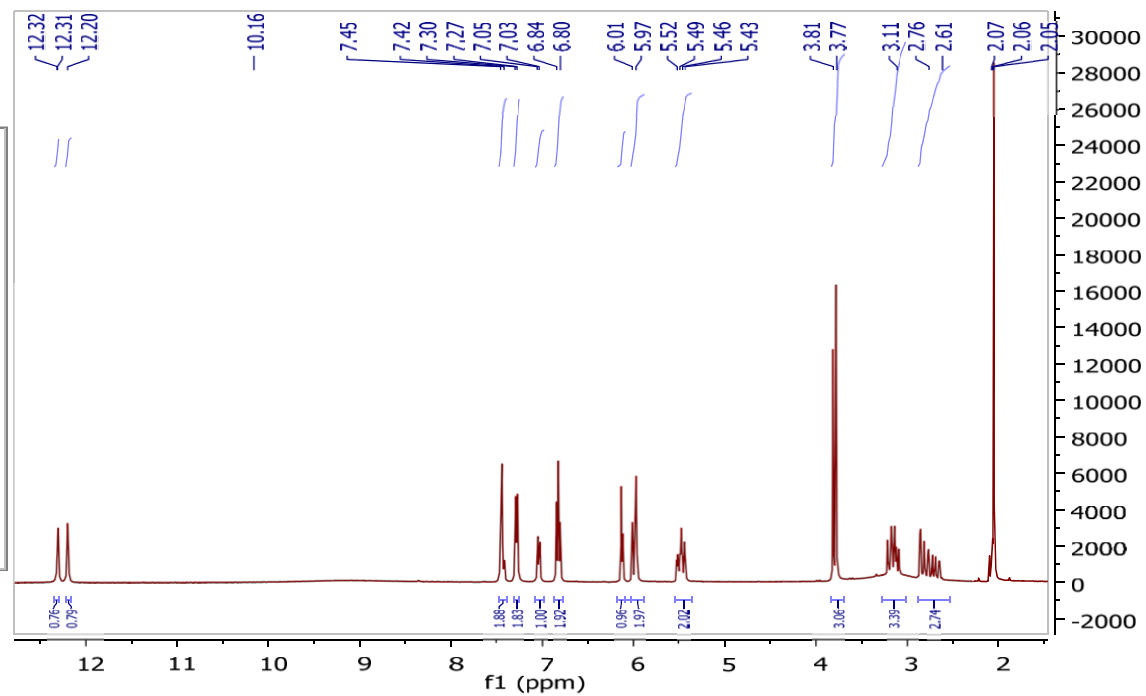


Fig. 3S ¹H NMR spectrum of compound **6**.

Compound **6**
¹³C NMR

Parameter	Value
1 Data File Name	C:/ Documents and Settings/ Administrator/ Desktop/ NMR DATA/ for the paper / MTHA FINAL/ 2/ fid
2 Title	Bruker AV400 Carbon
3 Origin	Bruker BioSpin GmbH
4 Owner	moawad
5 Solvent	Acetone
6 Pulse Sequence	zgpg30
7 Acquisition Date	2009-02-21T03:26:08
8 Modification Date	
9 Temperature	298.2
10 Number of Scans	3000
11 Spectrometer Frequency	100.62
12 Spectral Width	24038.5
13 Lowest Frequency	-1957.9
14 Nucleus	¹³ C
15 Acquired Size	32768
16 Spectral Size	65536

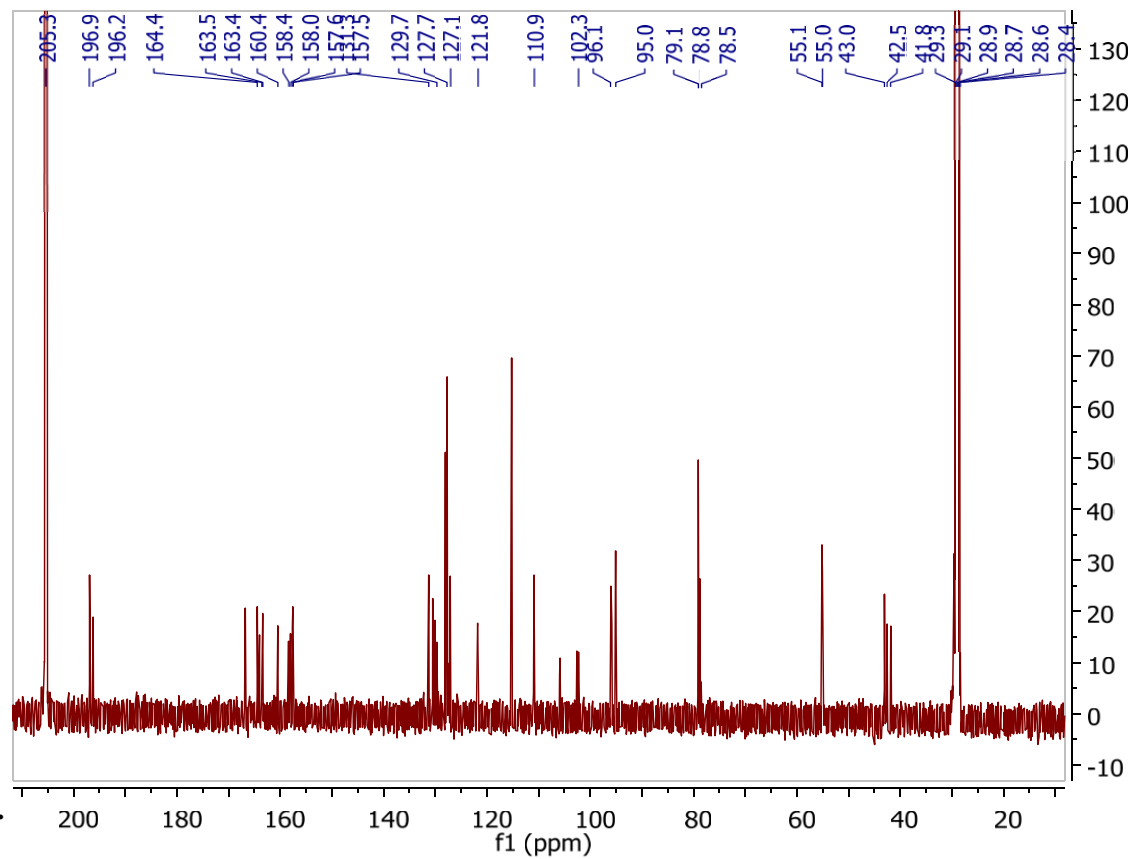


Fig. 4S ¹³C NMR spectrum of compound 6.

Compound **7**
¹H NMR

Parameter	Value
1 Data File Name	C:/ Documents and Settings/ Administrator/ Desktop/ NMR DATA/ MDHA full data/ 1/ fid
2 Title	MDHA full data
3 Origin	Bruker BioSpin GmbH
4 Owner	moawad
5 Solvent	Acetone
6 Pulse Sequence	zg30
7 Acquisition Date	2009-01-08T09:23:32
8 Modification Date	
9 Temperature	298.2
10 Number of Scans	8
11 Spectrometer Frequency	400.15
12 Spectral Width	8223.7
13 Lowest Frequency	-1640.8
14 Nucleus	1H
15 Acquired Size	32768
16 Spectral Size	65536

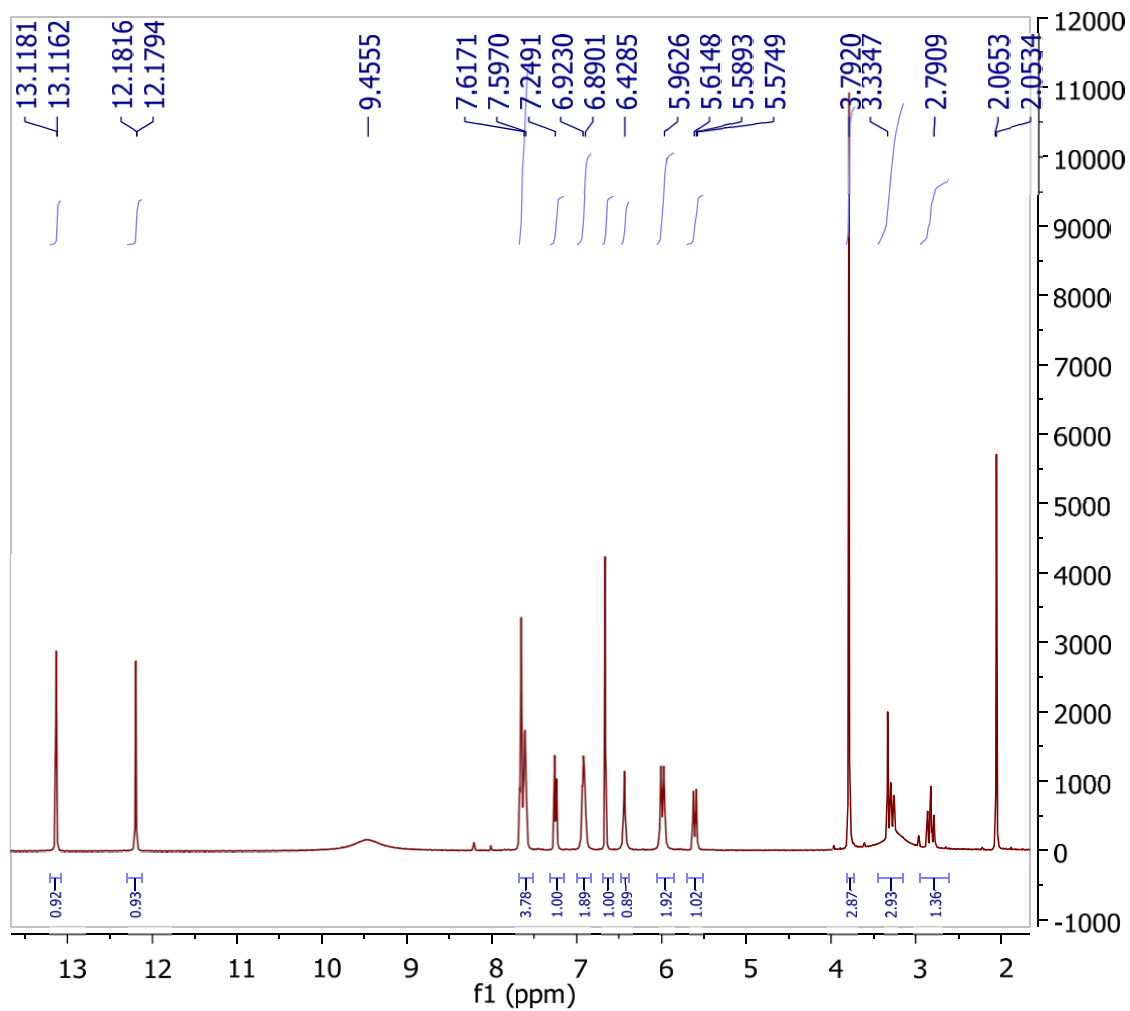


Fig. 5S ¹H NMR spectrum of compound 7.

Compound **7**
¹³C NMR

Parameter	Value
1 Data File Name	F:/ raw dataNMR/ MDHA full data/ 3/ fid
2 Title	Bruker AV400 Carbon
3 Origin	Bruker BioSpin GmbH
4 Owner	moawad
5 Solvent	Acetone
6 Pulse Sequence	zgpg30
7 Acquisition Date	2009-01-09T17:57:47
8 Modification Date	
9 Temperature	298.2
10 Number of Scans	753
11 Spectrometer Frequency	100.62
12 Spectral Width	24038.5
13 Lowest Frequency	-1957.9
14 Nucleus	¹³ C
15 Acquired Size	32768
16 Spectral Size	65536

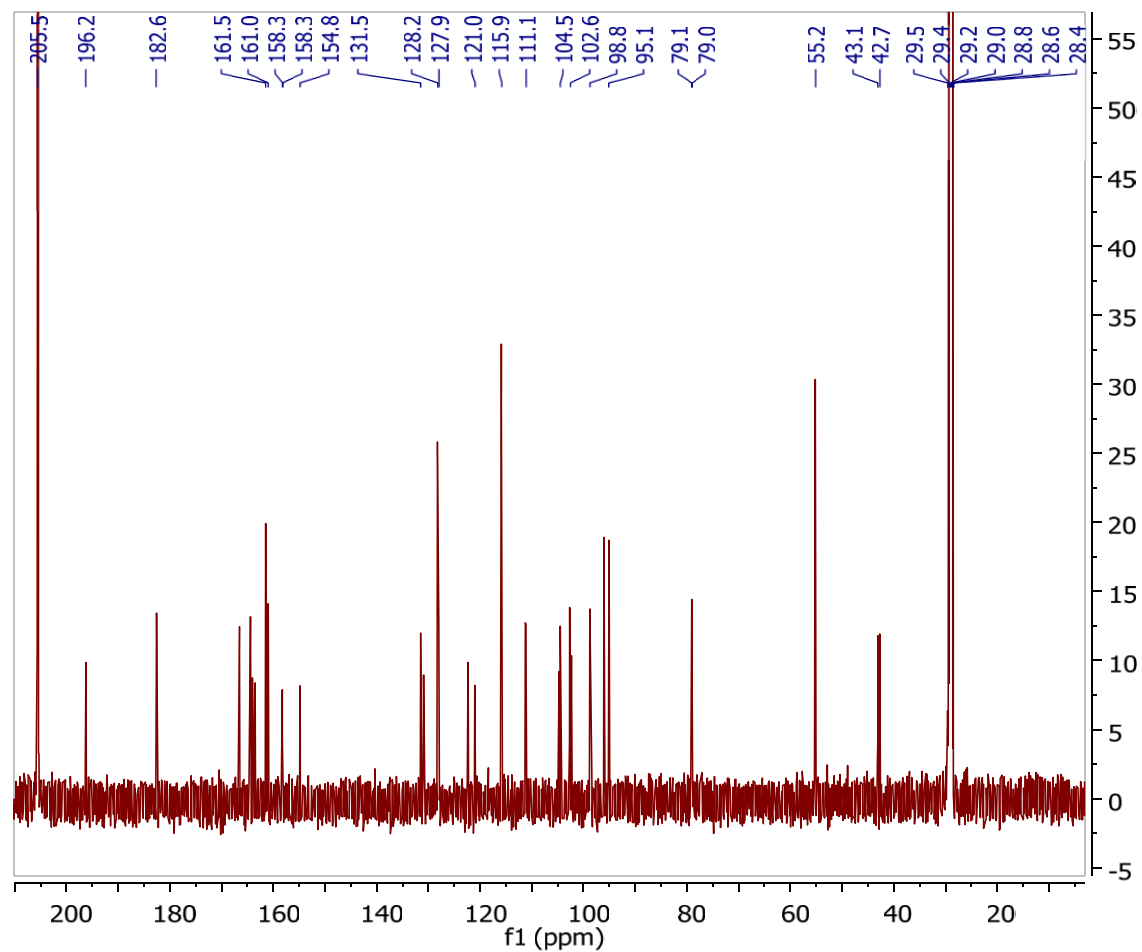


Fig. 6S ¹³C NMR spectrum of compound 7.

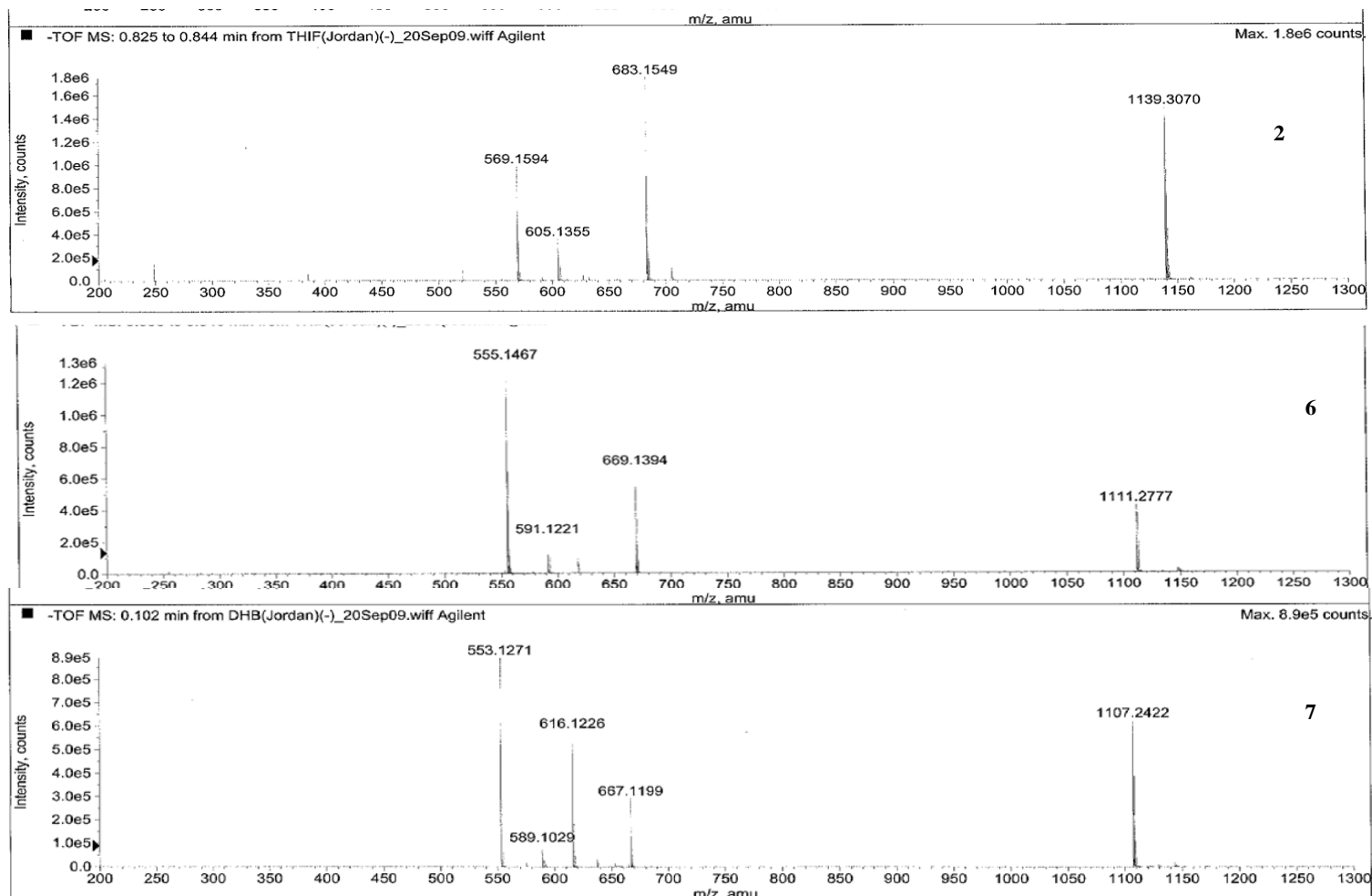


Fig 7S HR-MS spectra for compounds 2,6, and 7.