

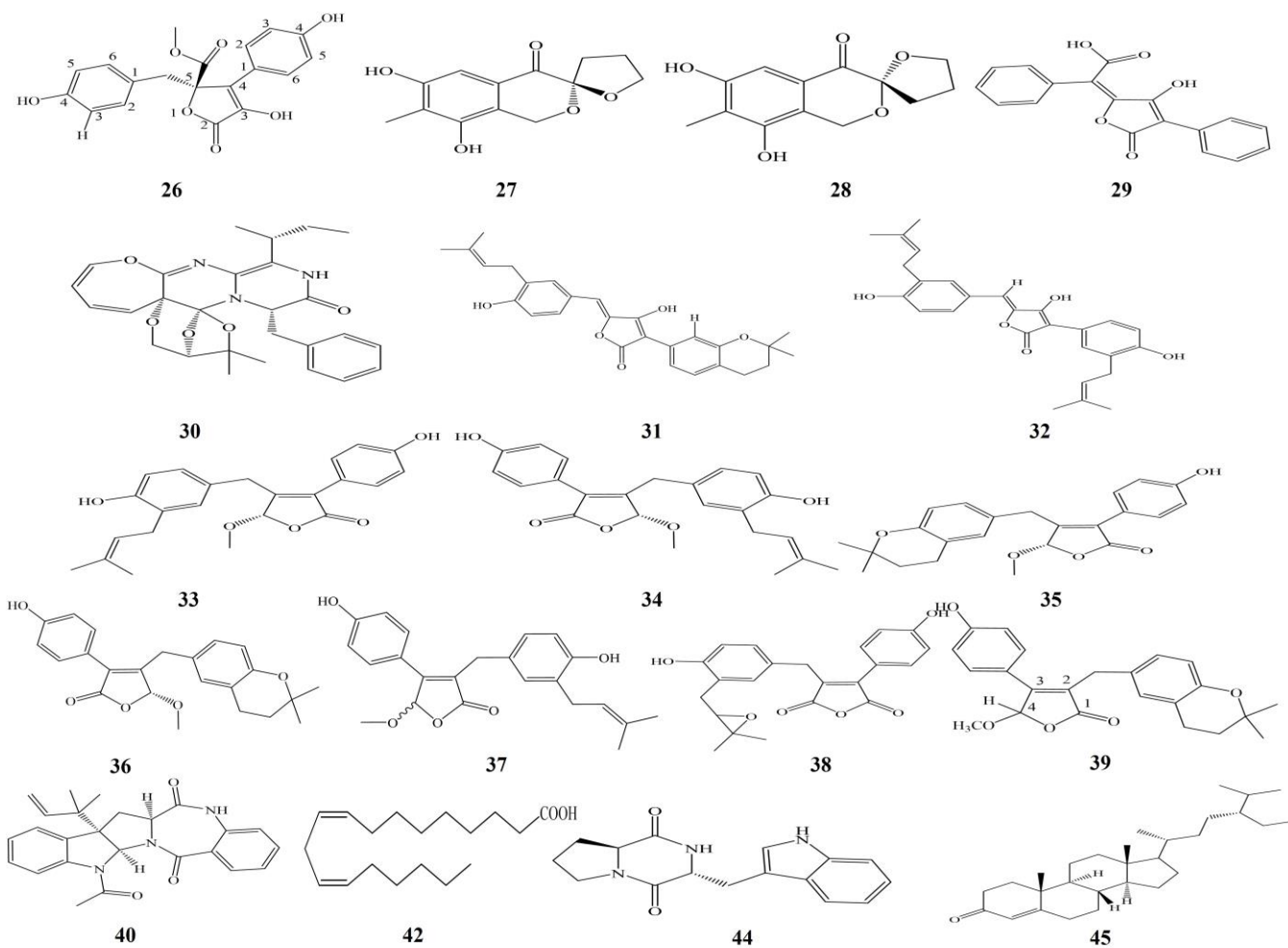


Figure 1S. Tentatively identified compounds in the ethyl acetate extract of *Aspergillus neoniveus* by HPLC/ESIMS/MS analysis.

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Openlynx Report -

Sample: 518

File:D21 66

Description:MF1q

Vial:1:A.8

Date:05-Sep-2021

ID:

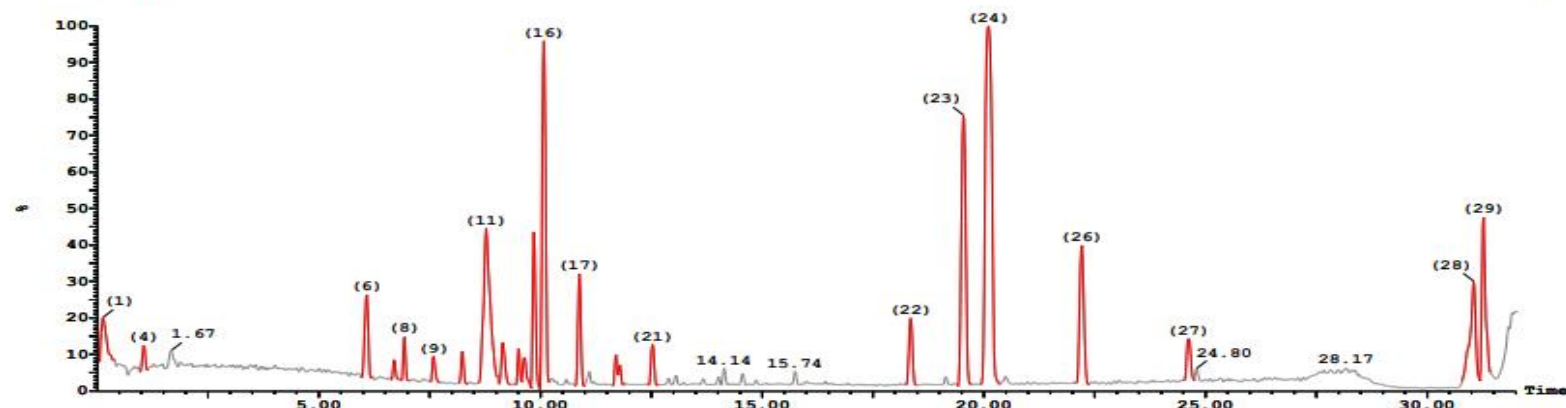
Time:17:18:39

Page 1

Printed: Wed Sep 08 16:32:02 2021

1: MS ES+ :BPI

1.4e+008



Peak Number	Time	AreaAbs	Area %Total
1	0.13	2325296.7500	2.24
4	1.05	739409.5625	0.71
6	6.08	3066719.0000	2.95
7	6.69	513783.0313	0.49
8	6.93	1052482.2500	1.01
9	7.59	748441.3750	0.72
10	8.24	841777.3750	0.81
11	8.77	9997202.0000	9.62
12	9.16	1534655.5000	1.48
13	9.50	773627.5625	0.74
14	9.64	973086.7500	0.94
15	9.85	4483150.0000	4.31
16	10.08	12608754.0000	12.13
17	10.88	3334924.0000	3.21
19	1.71	749678.8125	0.72
20	11.80	522243.2813	0.50
21	12.52	1343128.7500	1.29
22	18.36	2407707.7500	2.32
23	19.54	12080610.0000	11.62
24	20.11	24398272.0000	23.47
26	22.21	6021468.5000	5.79
27	24.62	1742172.7500	1.68
28	31.05	5831833.5000	5.61
29	31.27	5865813.0000	5.64

Figure S2. Positive ESI-LC/MS chromatogram of the ethyl acetate extract

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Openlynx Report -

Sample: 518
File: D21 66
Description: MF1q

Vial: 1:A.8
Date: 05-Sep-2021

ID:
Time: 17:18:39

Page 2

Printed: Wed Sep 08 16:32:02 2021

2: MS ES- :BPI

1.2e+007

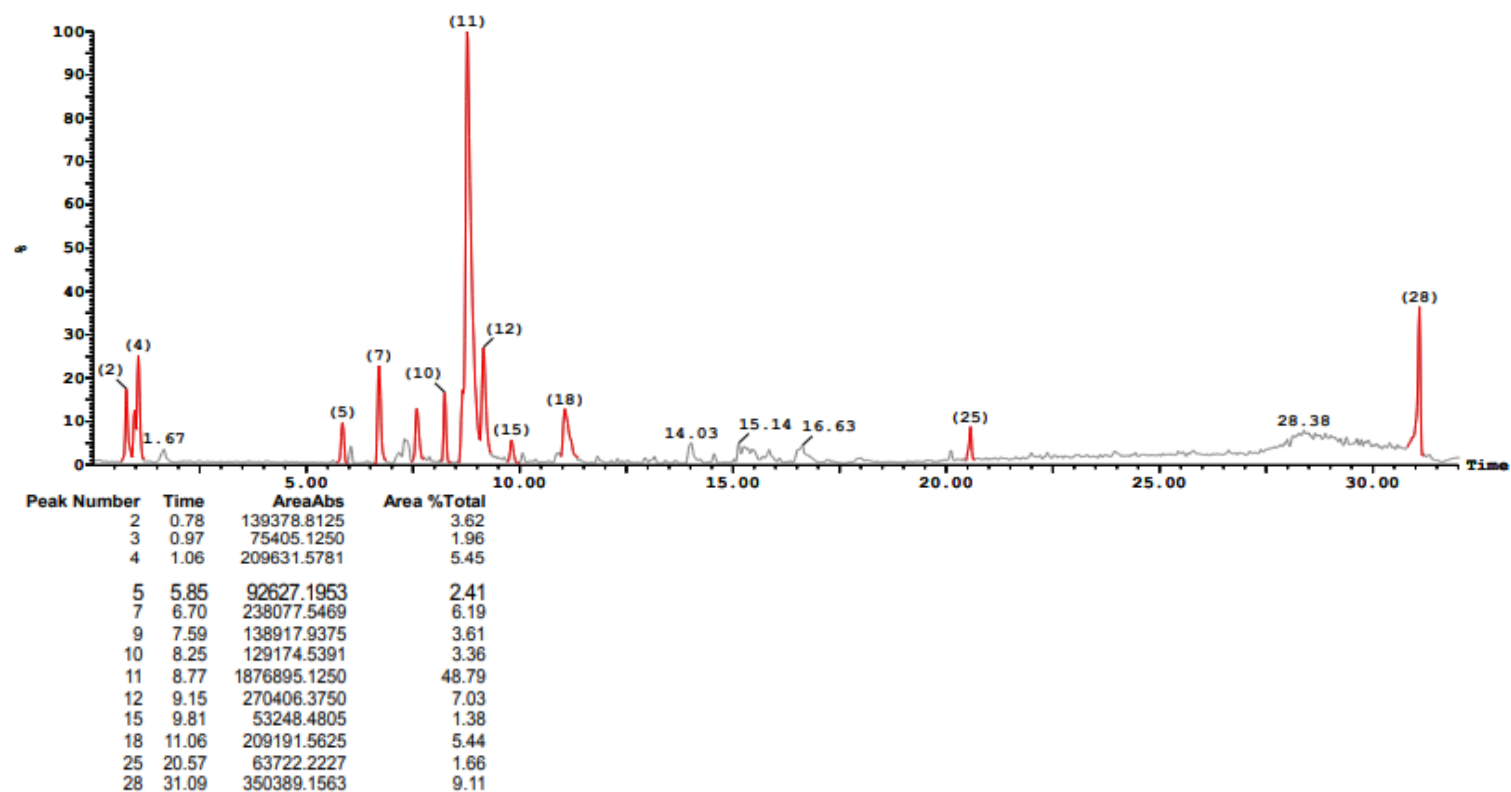


Figure S3. Negative ESI-LC/MS chromatogram of the ethyl acetate extract

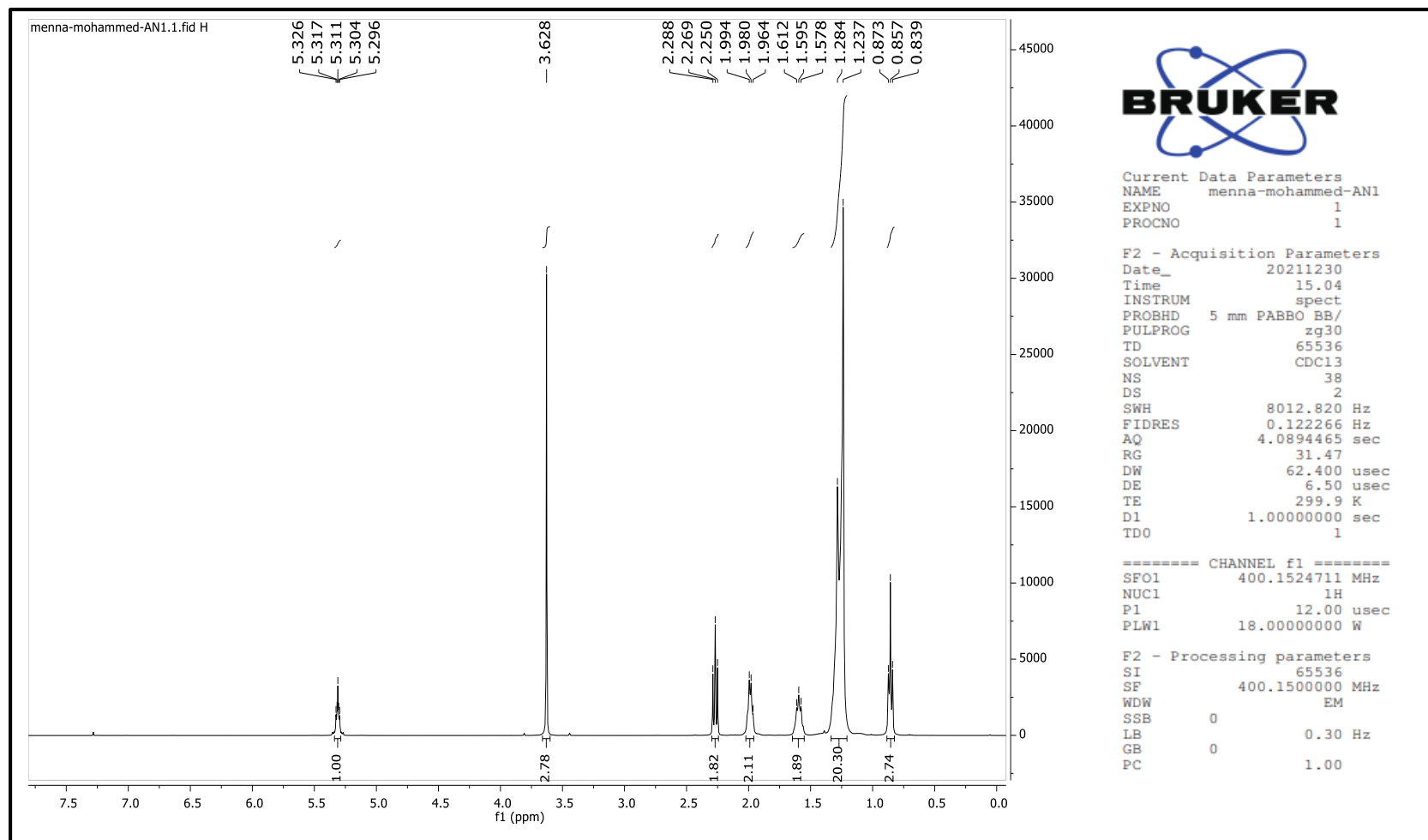


Figure S4. ^1H NMR spectrum of compound 1 ($\text{CDCl}_3\text{-d}$, 400 MHz)

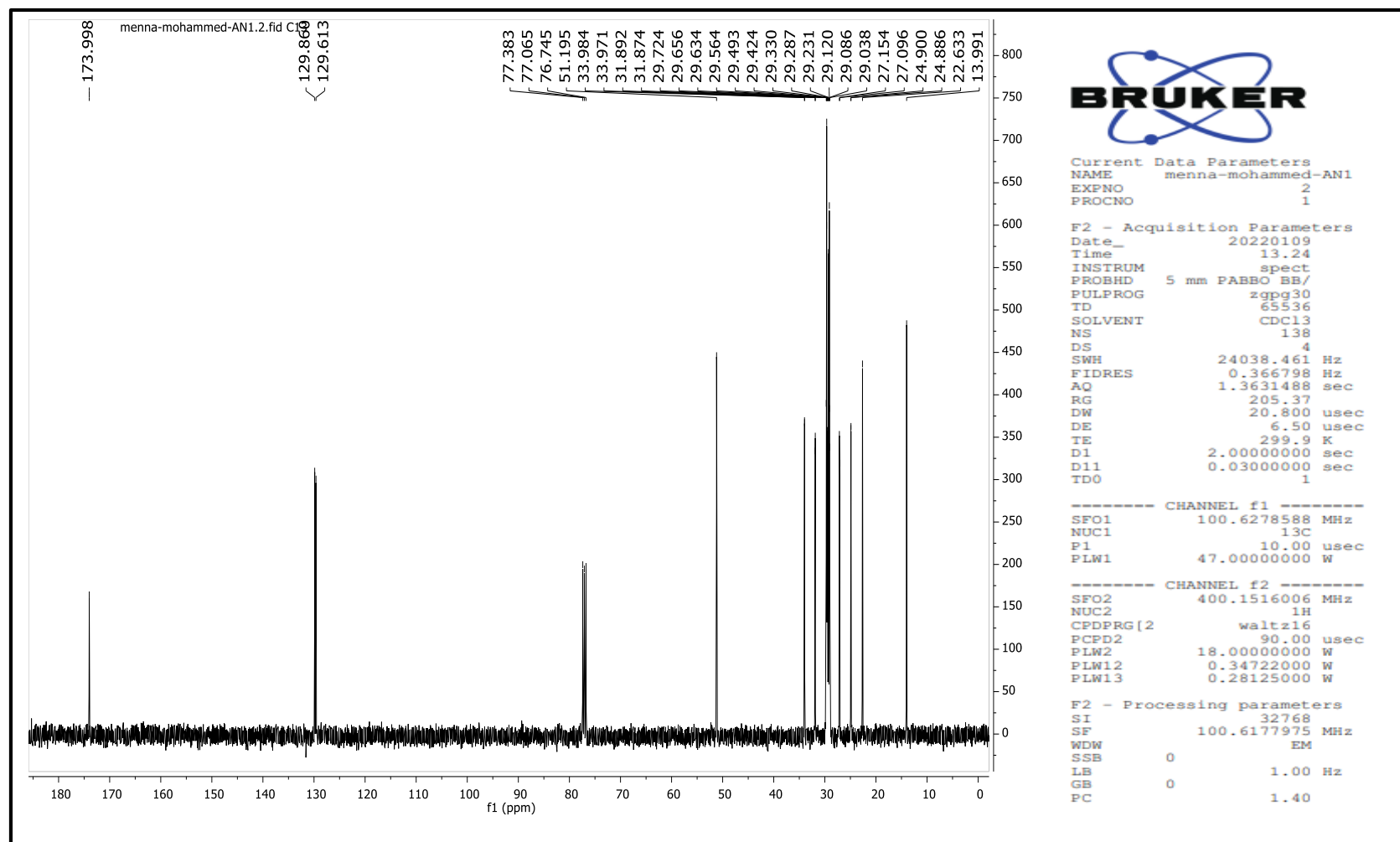


Figure S5. ^{13}C NMR spectrum of compound 1 ($\text{CDCl}_3\text{-d}$, 400 MHz)

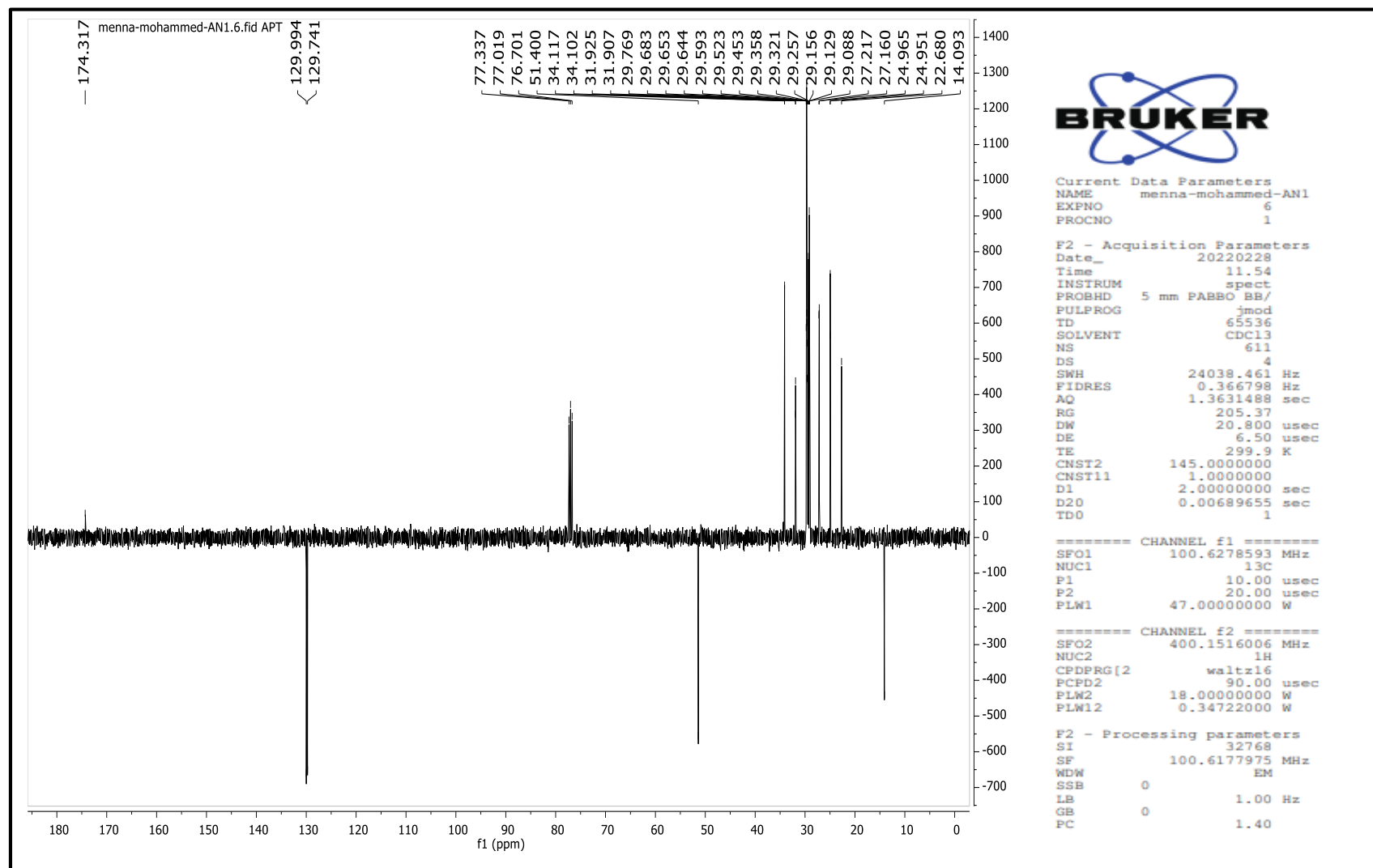


Figure S6. APT spectrum of compound 1 (CDCL₃-d, 400 MHz)

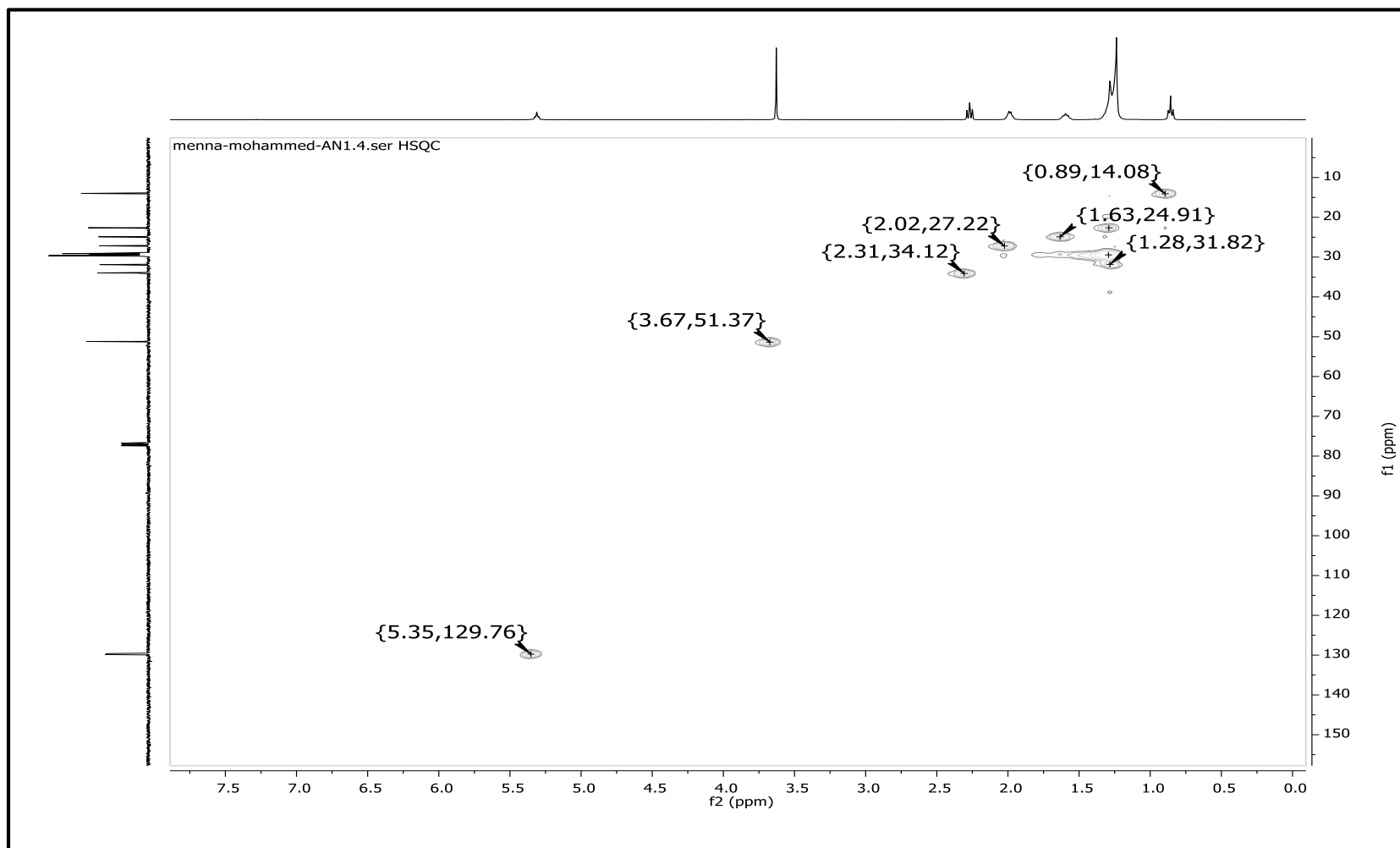


Figure S7. HSQC spectrum of compound 1 (CDCL₃-d, 400 MHz)

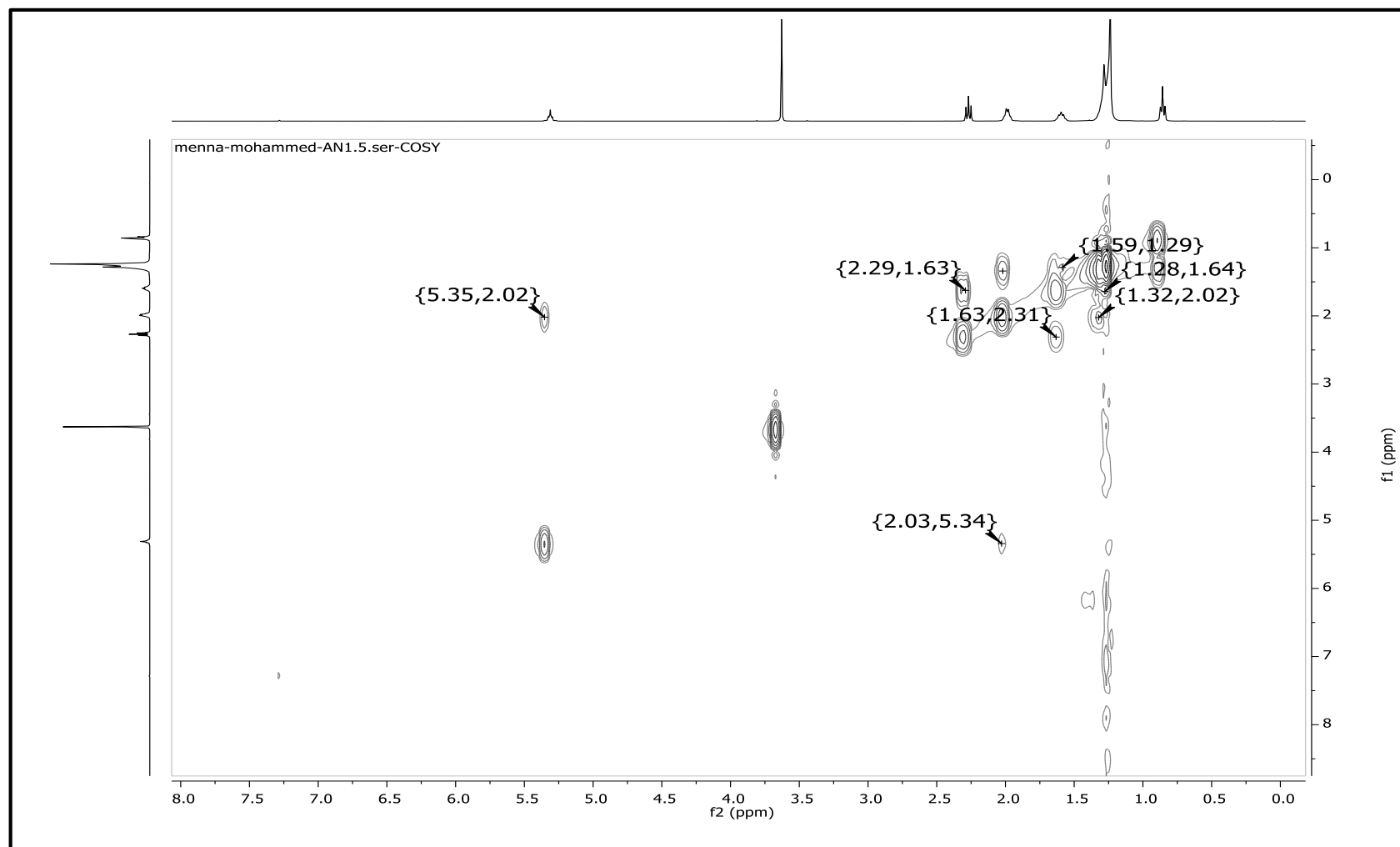


Figure S8. ^1H - ^1H COSY spectrum of compound 1 (CDCl_3 - d , 400 MHz)

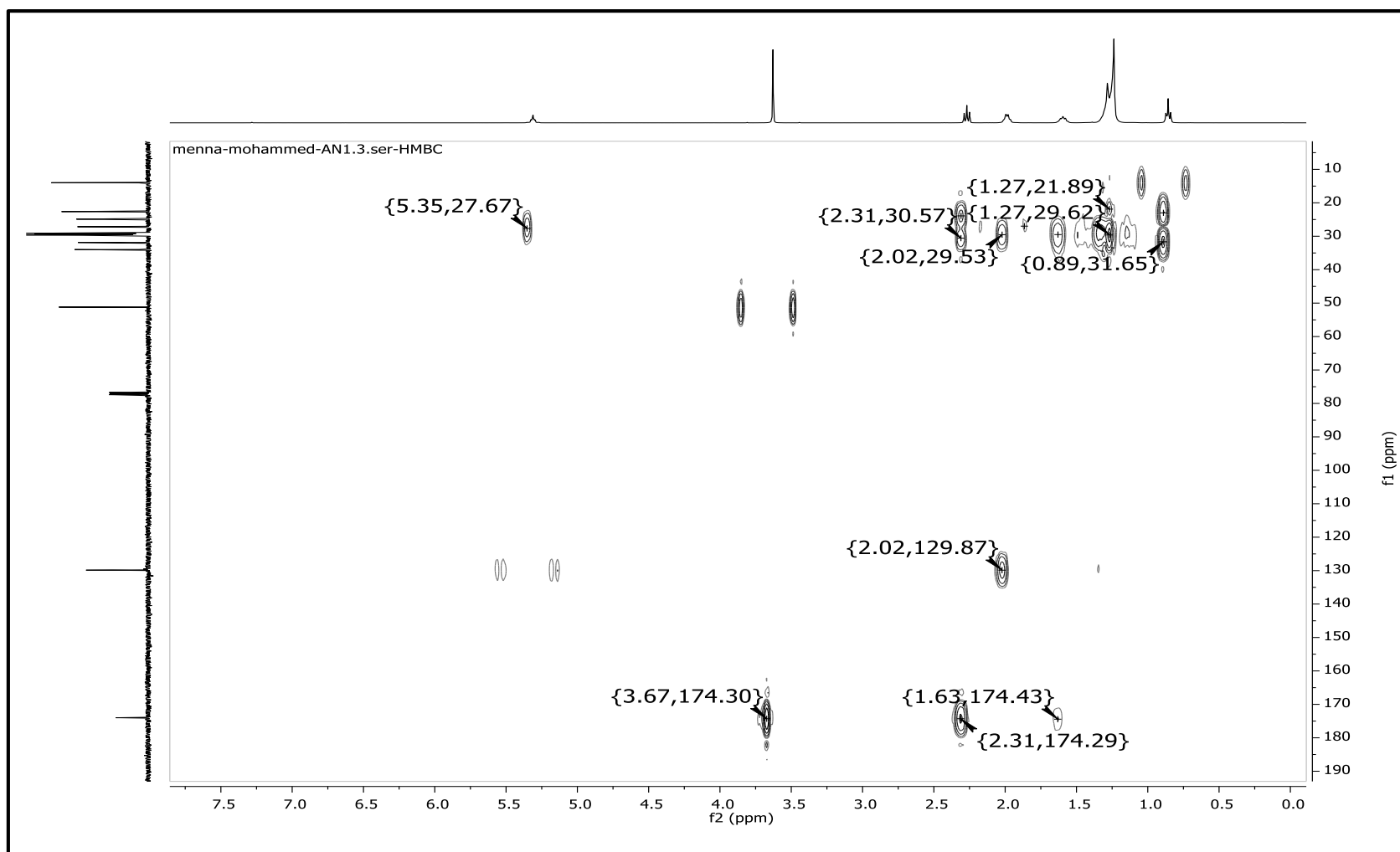


Figure S9. HMBC spectrum of compound 1 (CDCl_3 -d, 400 MHz)

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Sample: 518
File: D21 66
Description: MF1q

Vial: 1:A,8
Date: 05-Sep-2021

ID:
Time: 17:18:39

Printed: Wed Sep 08 16:32:02 2021

Peak ID Time Error PPM

16 10.08

(Time: 10.08)

1:MS ES+
1.0e+008

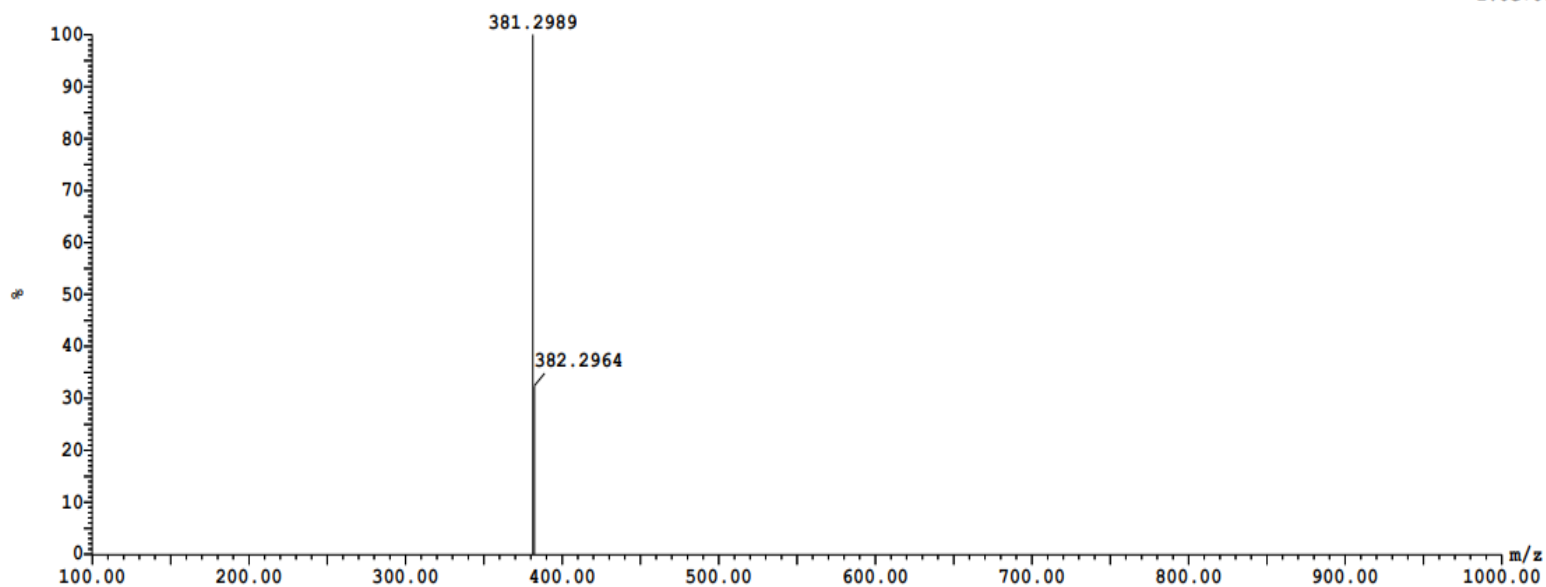


Figure S10. Positive ESI-LC/MS spectrum of compound 1

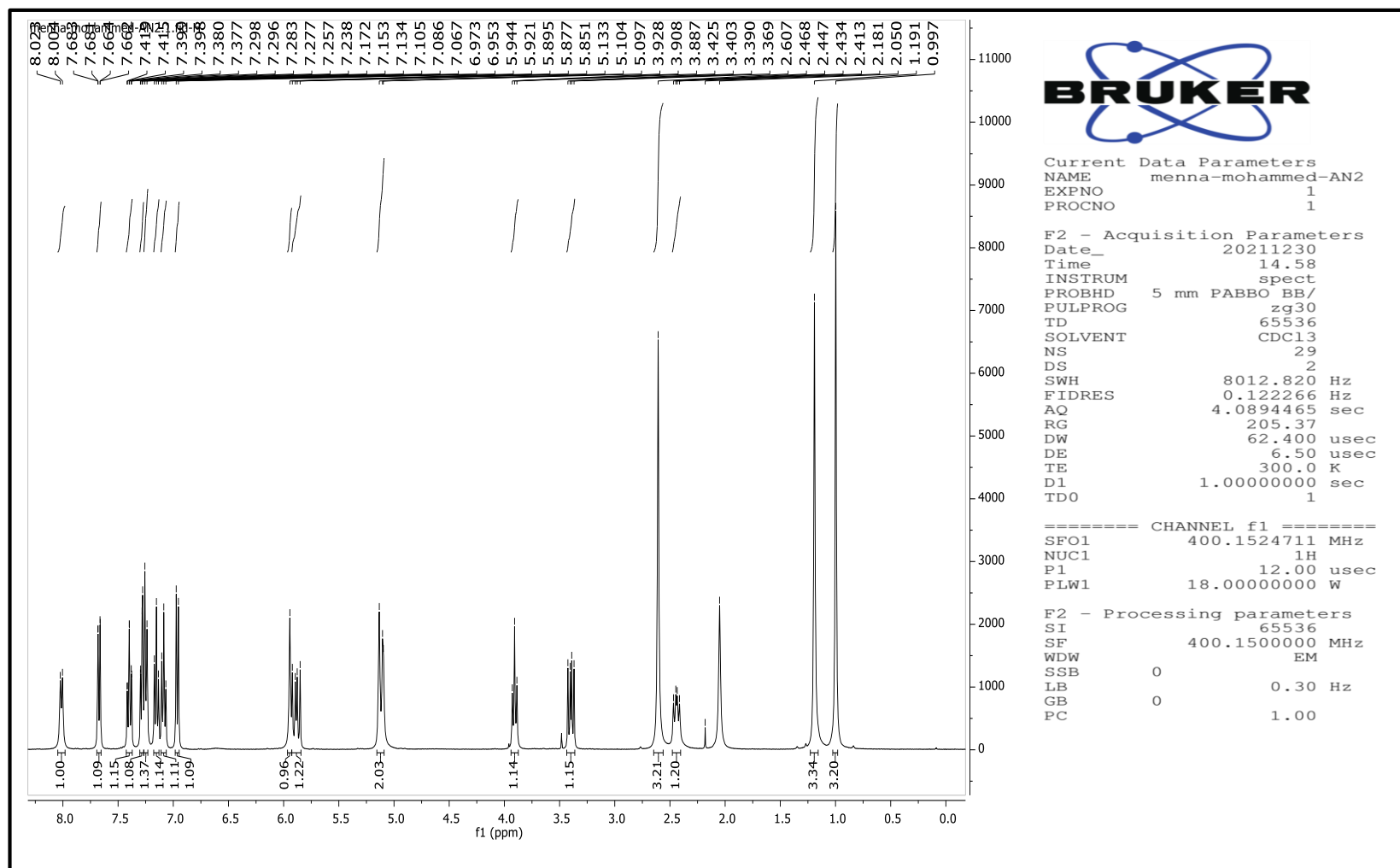


Figure S11. ^1H NMR spectrum of compound 2 ($\text{CDCl}_3\text{-d}$, 400 MHz)

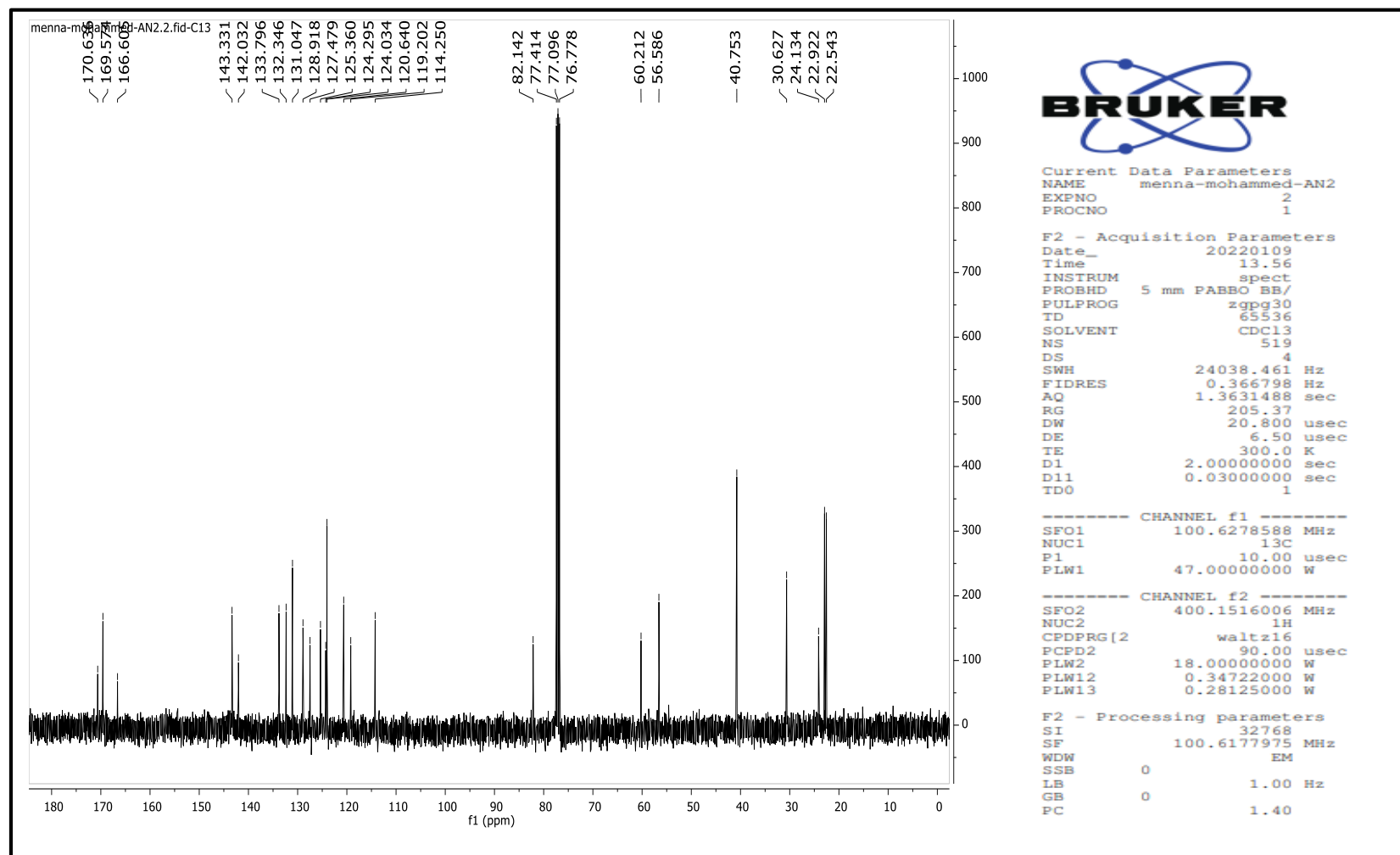


Figure S12. ^{13}C NMR spectrum of compound 2 ($\text{CDCl}_3\text{-d}$, 400 MHz)

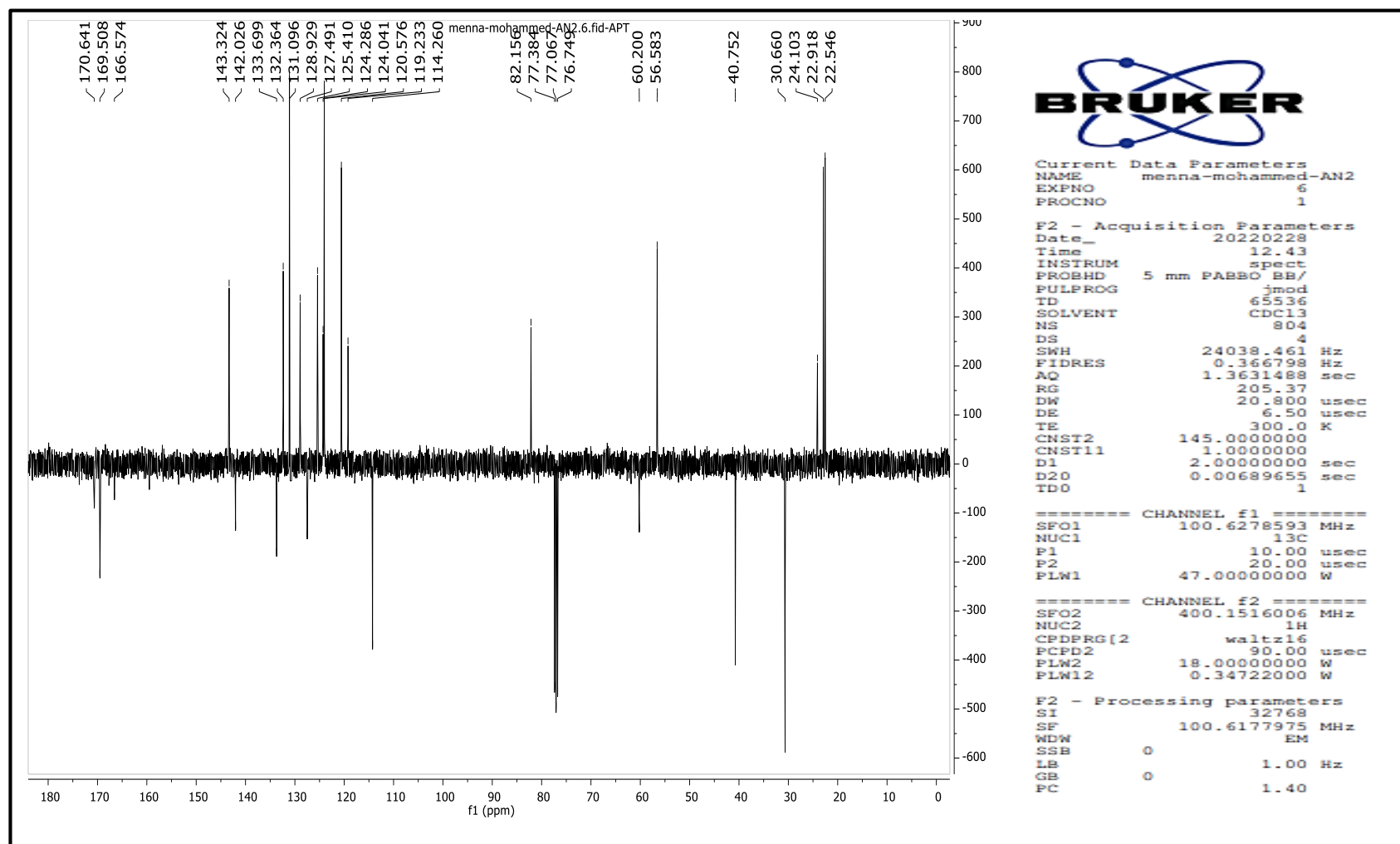


Figure S13. APT spectrum of compound 2 (CDCL₃-d, 400 MHz)

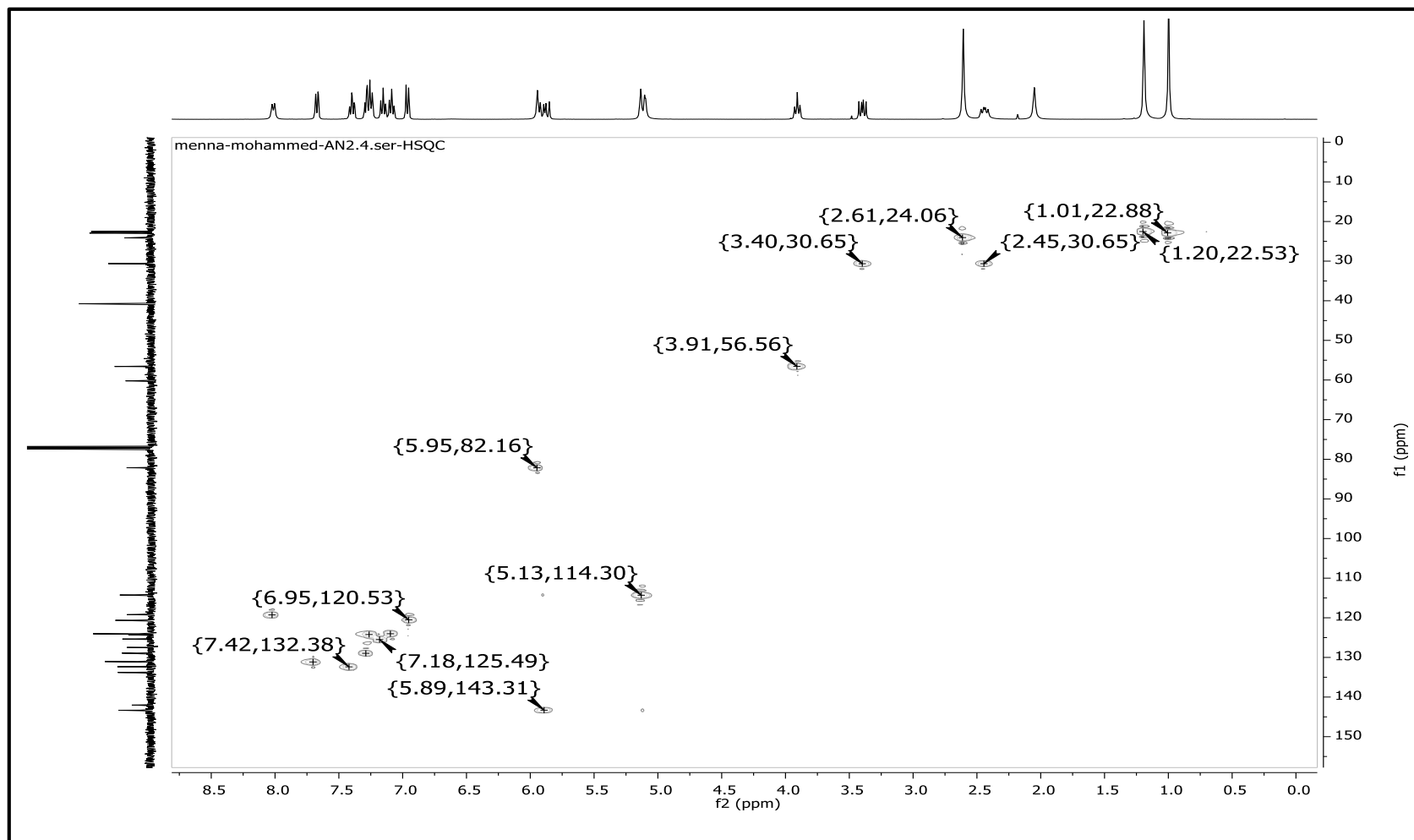


Figure S14. HSQC spectrum of compound 2 (CDCl_3 -*d*, 400 MHz)

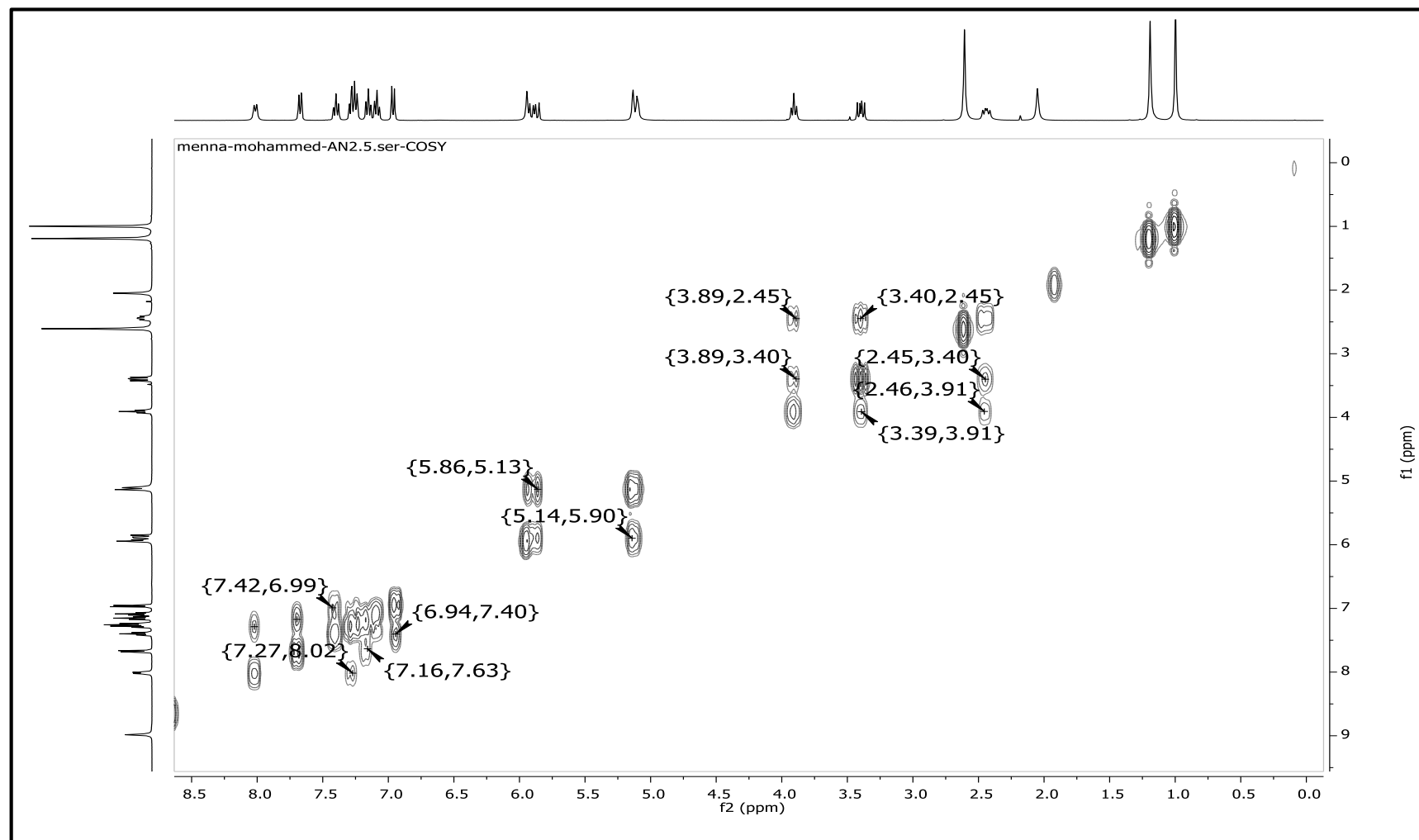


Figure S15. ^1H - ^1H COSY spectrum of compound 2 (CDCl_3 - d , 400 MHz)

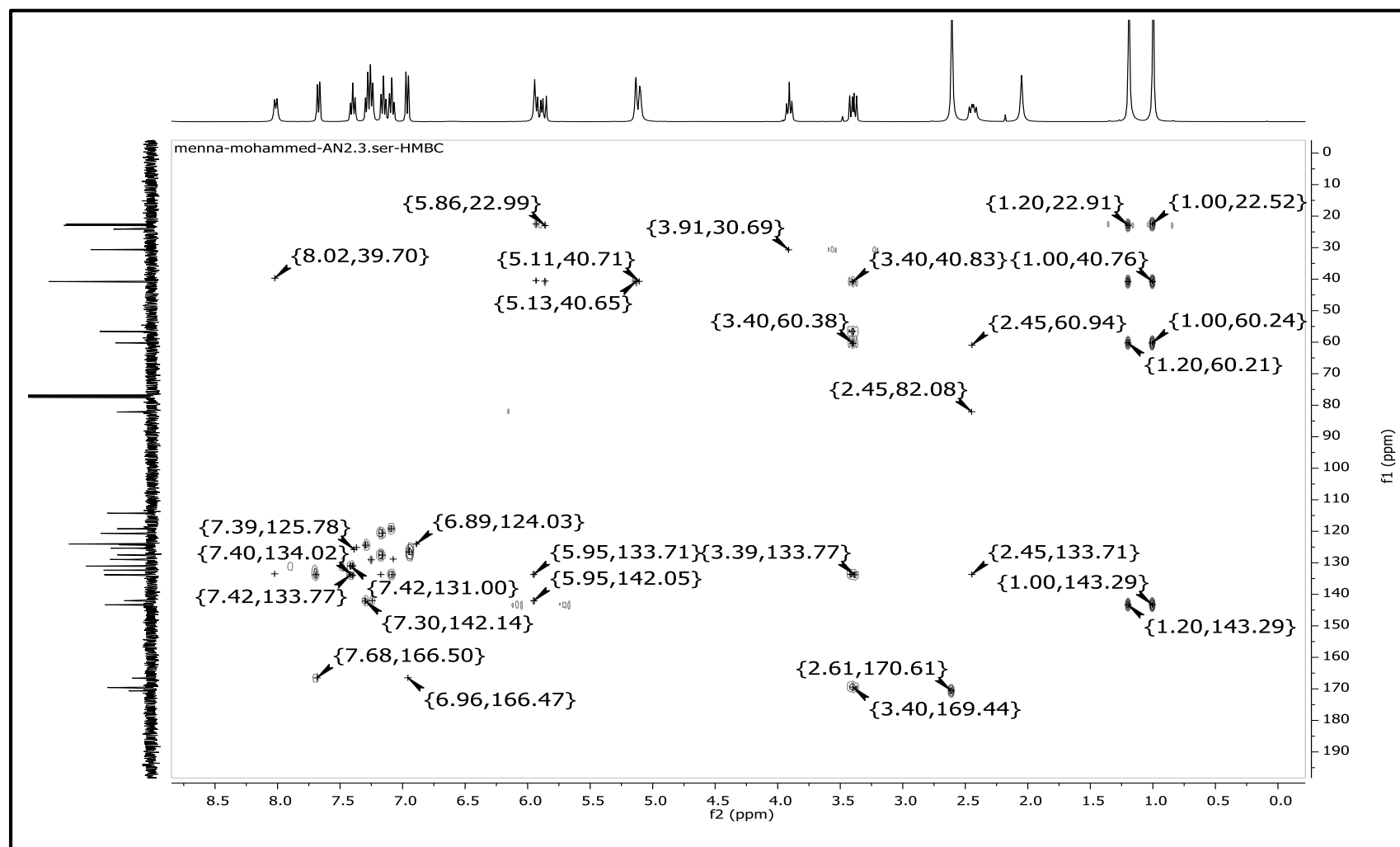


Figure S16. HMBC spectrum of compound 2 (CDCL₃-d, 400 MHz)

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Openlynx Report -

Sample: 98
File: A2264R2
Description: AN2

Vial: 1:D,3
Date: 14-Jun-2022

ID:
Time: 10:13:45

Printed: Tue Jun 14 11:30:04 2022

Peak ID Time Error PPM
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(Time: 10.73)

2:MS ES-
1.5e+007

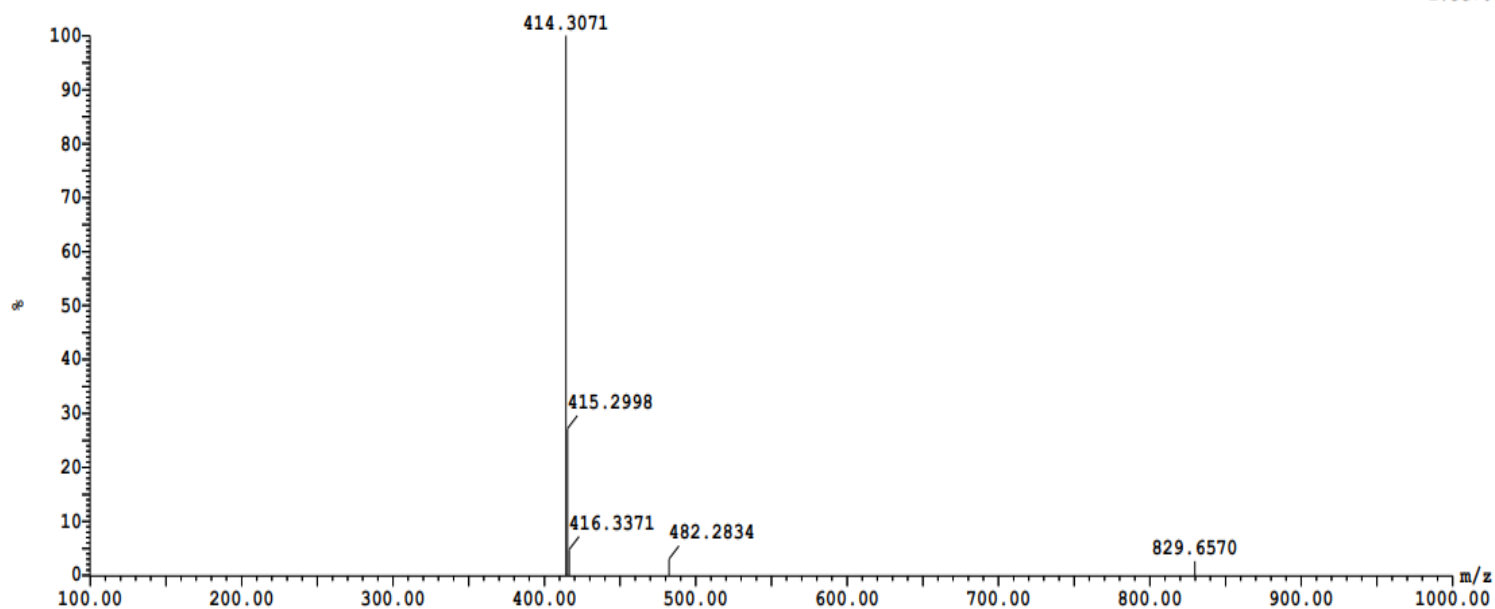


Figure S17. Negative ESI-LC/MS spectrum of compound 2

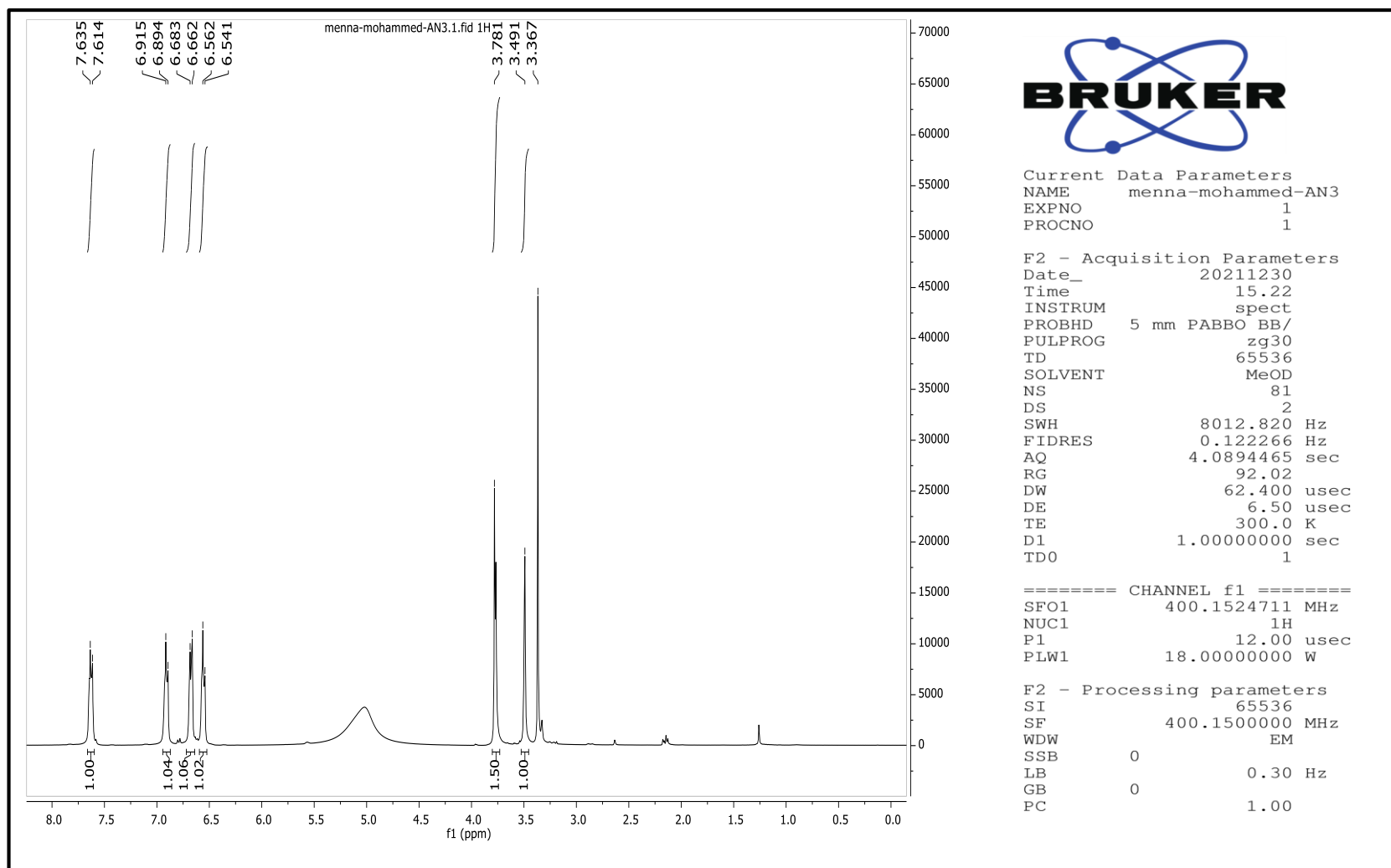


Figure S18. ^1H NMR spectrum of compound 3 ($\text{CD}_3\text{OD}-d_4$, 400 MHz)

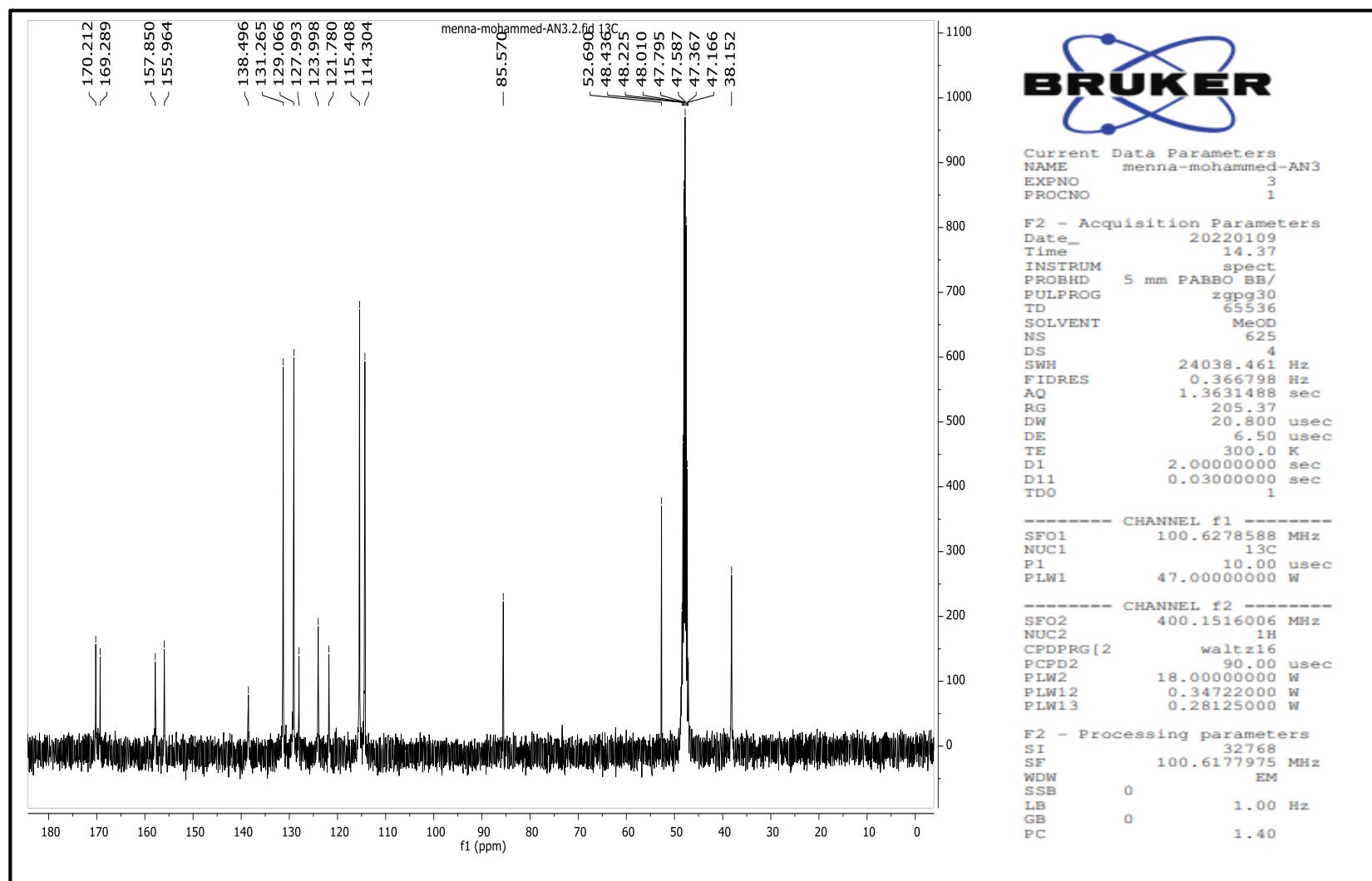


Figure S19. ^{13}C NMR spectrum of compound 3 ($\text{CD}_3\text{OD}-d_4$, 400 MHz)

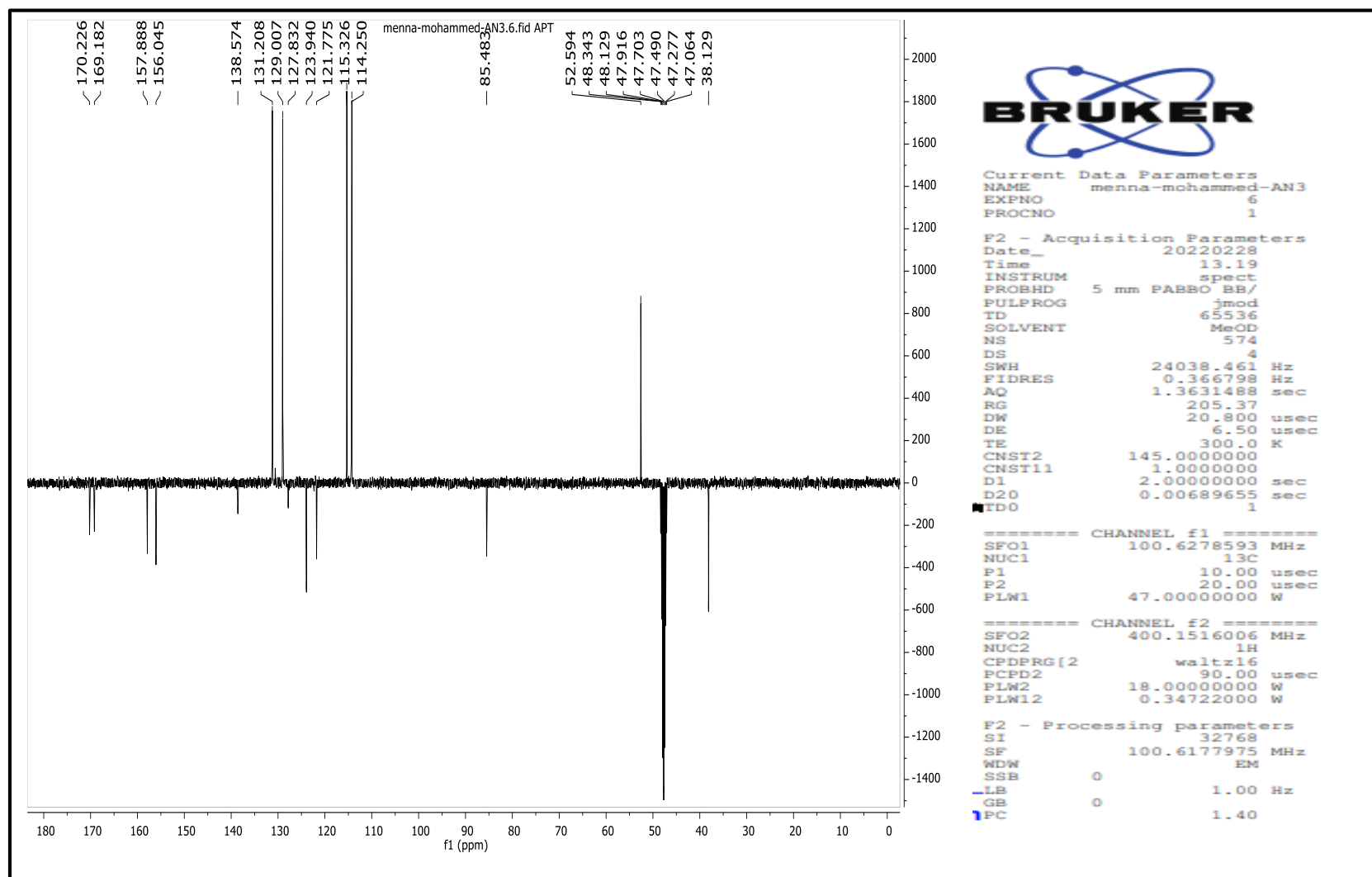


Figure S20. APT spectrum of compound 3 (CD₃OD-*d*, 400 MHz)

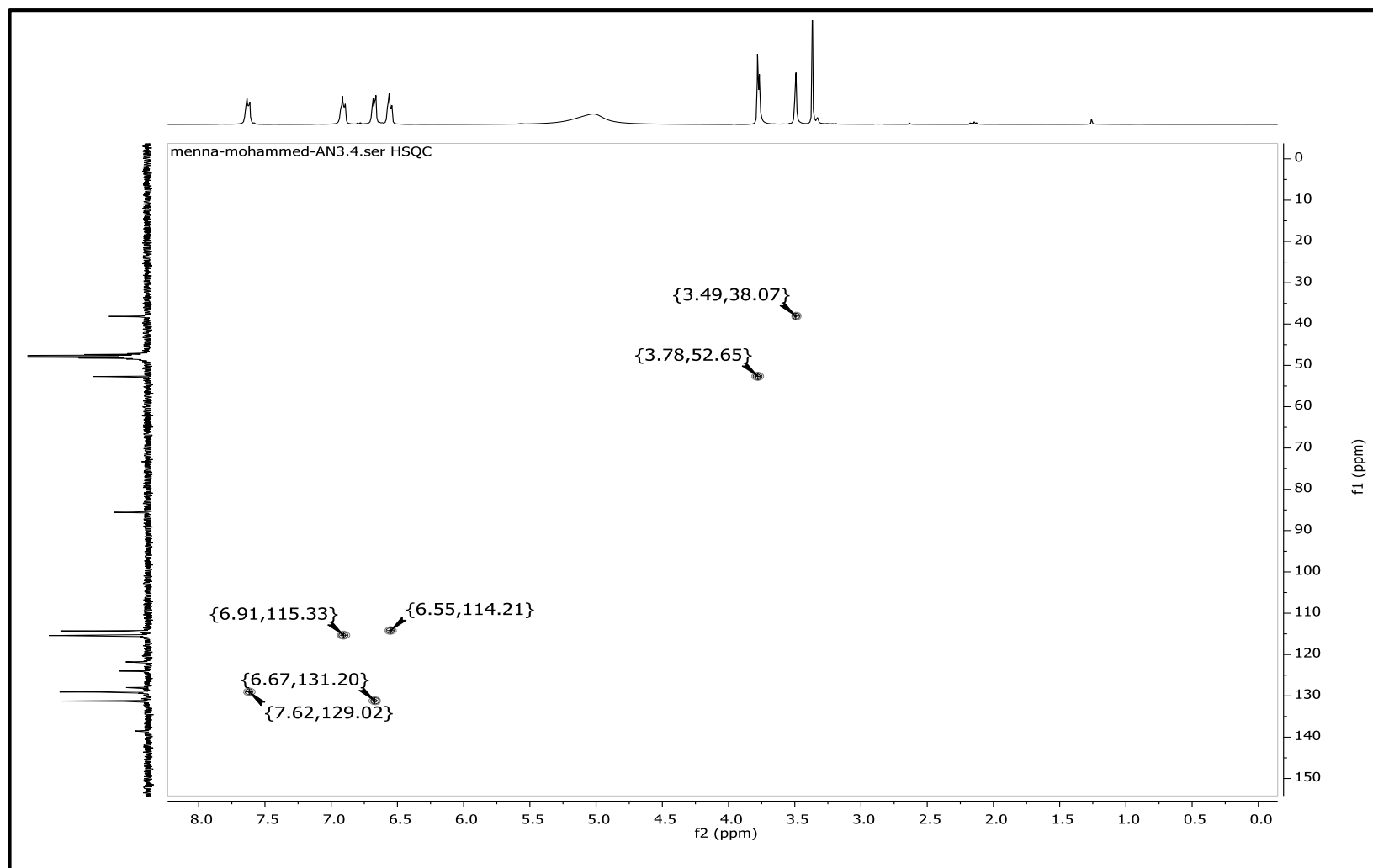


Figure S21. HSQC spectrum of compound 3 ($\text{CD}_3\text{OD}-d$, 400 MHz)

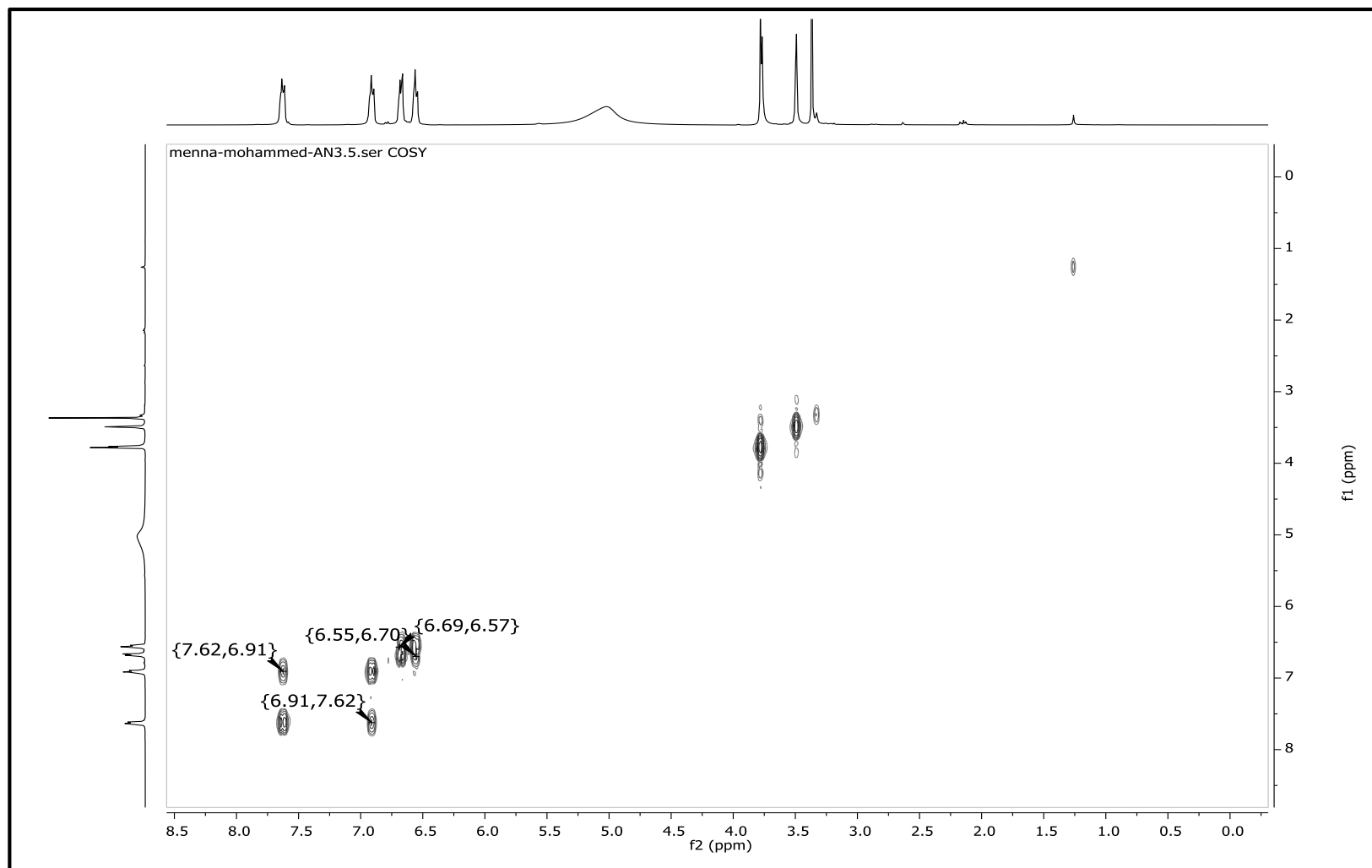


Figure S22. ^1H - ^1H COSY spectrum of compound 3 ($\text{CD}_3\text{OD}-d$, 400 MHz)

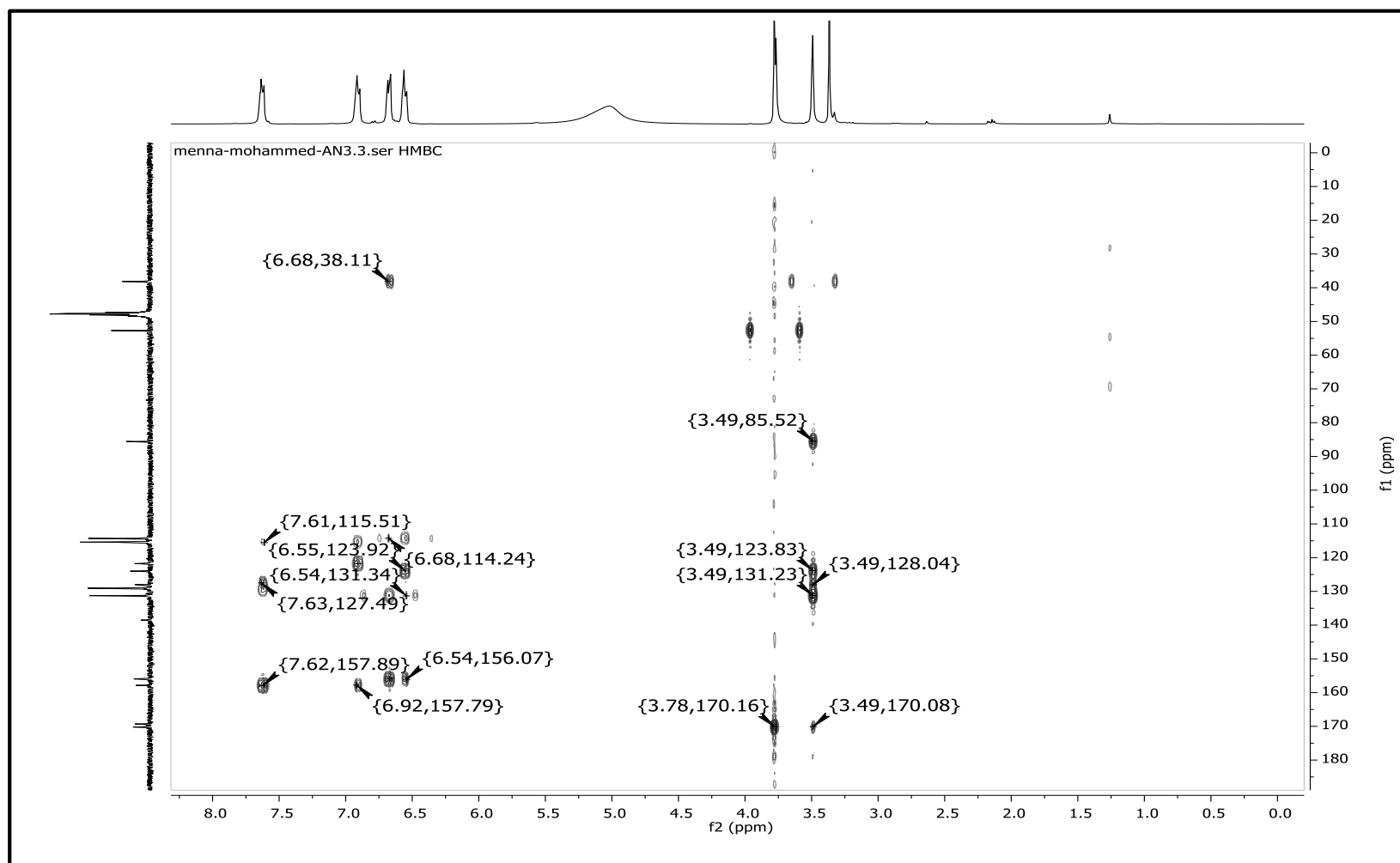


Figure S23. HMBC spectrum of compound 3 (CD₃OD-*d*, 400 MHz)

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Openlynx Report -

Sample: 99
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Description: AN3

Vial: 1:D,4
Date: 14-Jun-2022

ID:
Time: 10:46:37

Printed: Tue Jun 14 11:30:13 2022

Peak ID Time Error PPM
8 8.26
(Time: 8.26)

2:MS ES-
4.3e+007

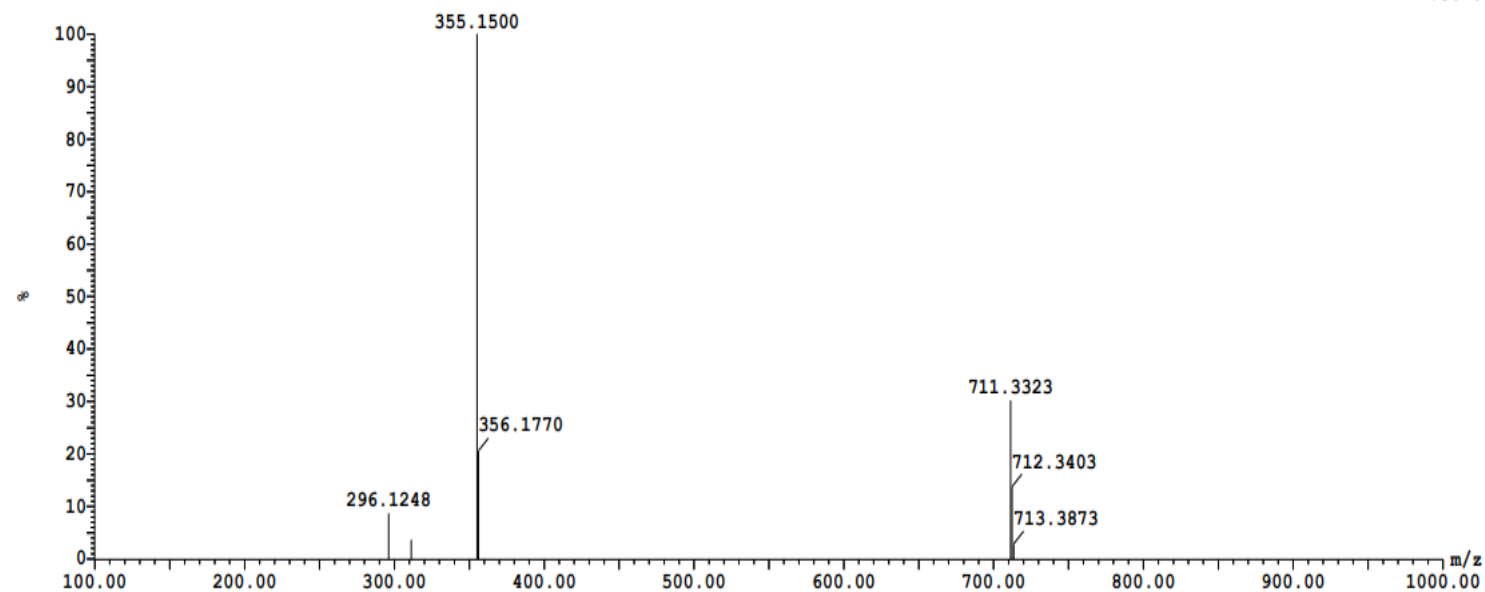


Figure S24. Negative ESI-LC/MS spectrum of compound 3

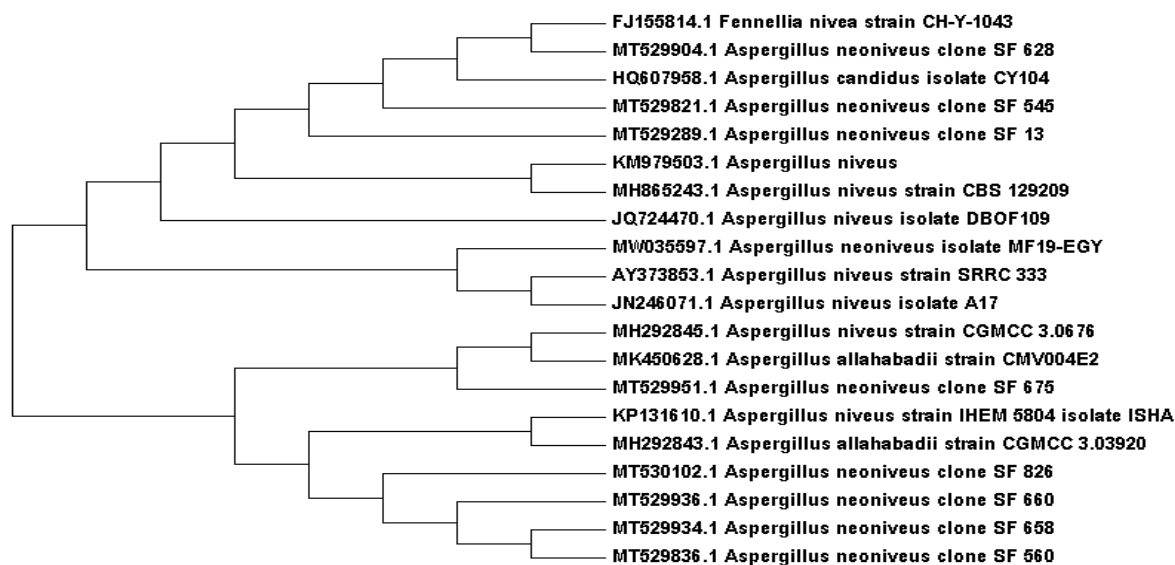


Figure S25. Phylogenetic tree showing relationship of the isolated *Aspergillus neoniveus* with closely related *Aspergillus* species retrieved from GenBank based on their sequence homologies of 18srDNA.

