Supporting Information

for

Functionalization of anthracene: A selective route to brominated 1,4-anthraquinones

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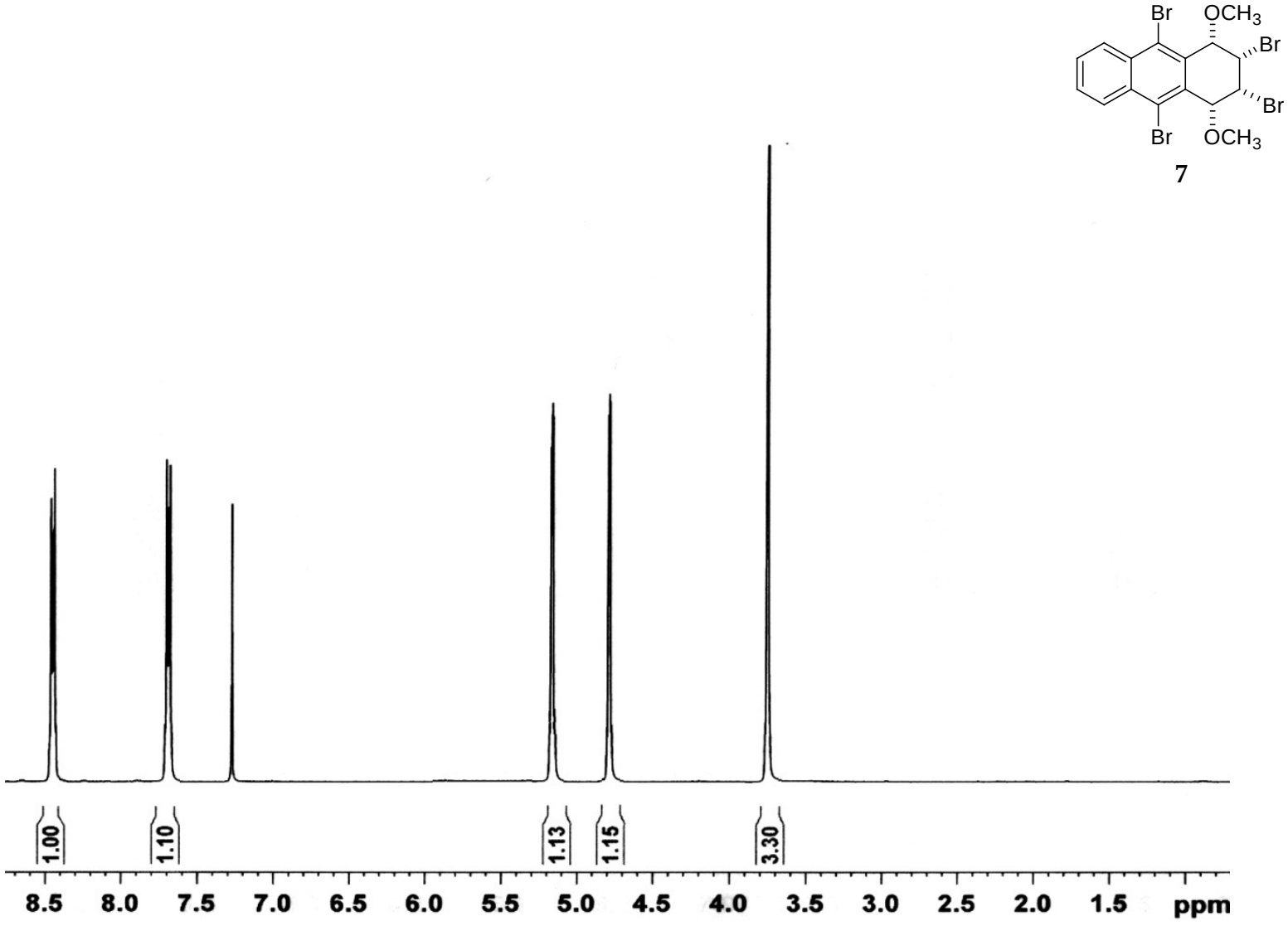
[§] Authors to whom inquiries concerning the X-ray structure should be directed.

NMR spectra of compounds **7**, **8**, **10**, **11**, **14**, **17**, **27** and **28**

Content

^{1}H NMR spectrum of **7** S2
^{13}C NMR spectrum of **7** S3
^{1}H NMR spectrum of **8** S4
^{13}C NMR spectrum of **8** S5
^{1}H NMR spectrum of **10** S6
^{13}C NMR spectrum of **10** S7
^{1}H NMR spectrum of **11** S8
^{13}C NMR spectrum of **11** S9
^{1}H NMR spectrum of **14** S10
^{13}C NMR spectrum of **14** S11
^{1}H NMR spectrum of **17** S12
^{13}C NMR spectrum of **17** S13
^{1}H NMR spectrum of **27** S14
^{13}C NMR spectrum of **27** S15
^{1}H NMR spectrum of **28** S16
^{13}C NMR spectrum of **28** S17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OCH3
Br
Br
Br
OCH3
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7.5
7.0
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3.0
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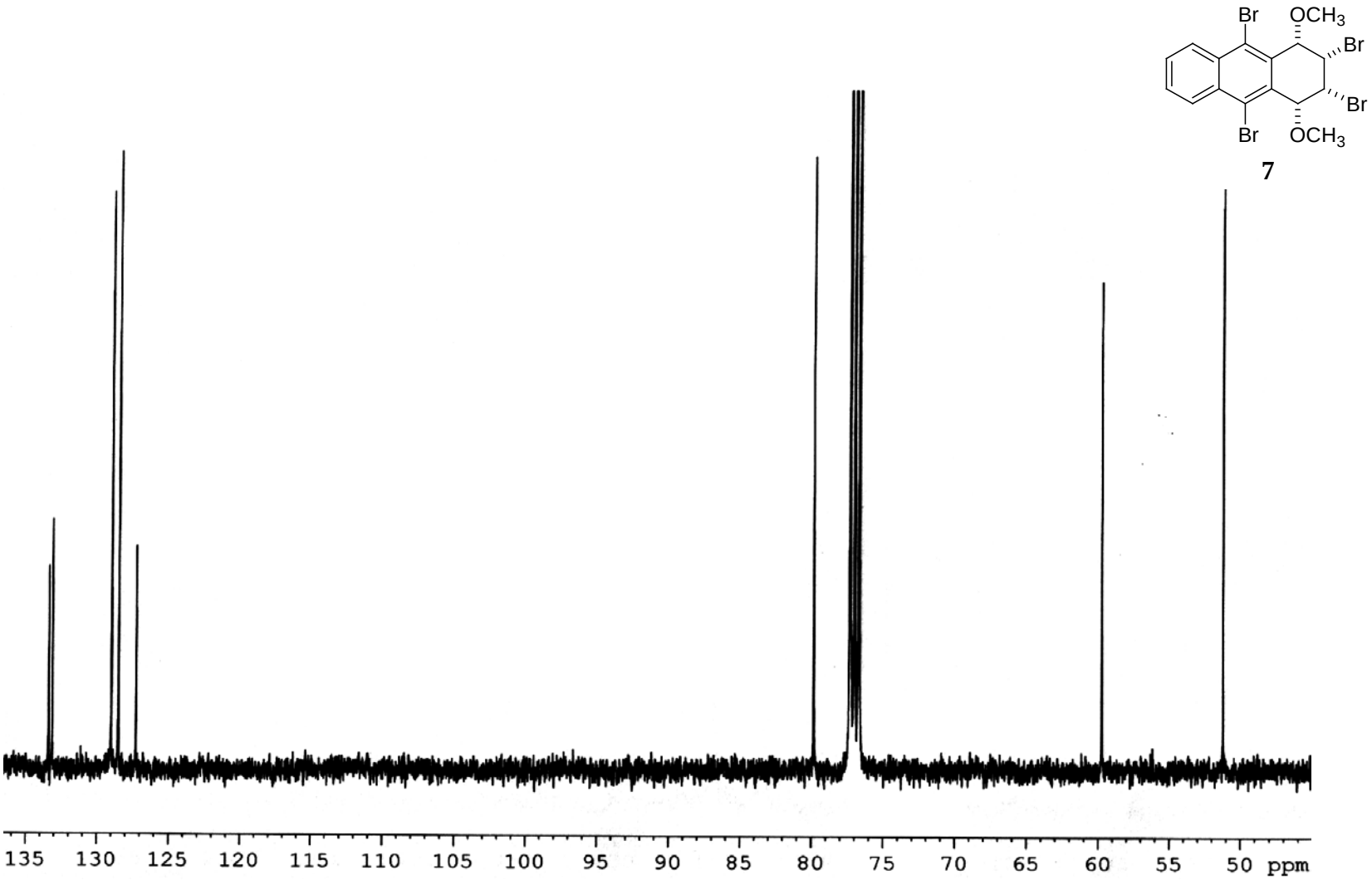
2.0
1.5
ppm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Br
Br
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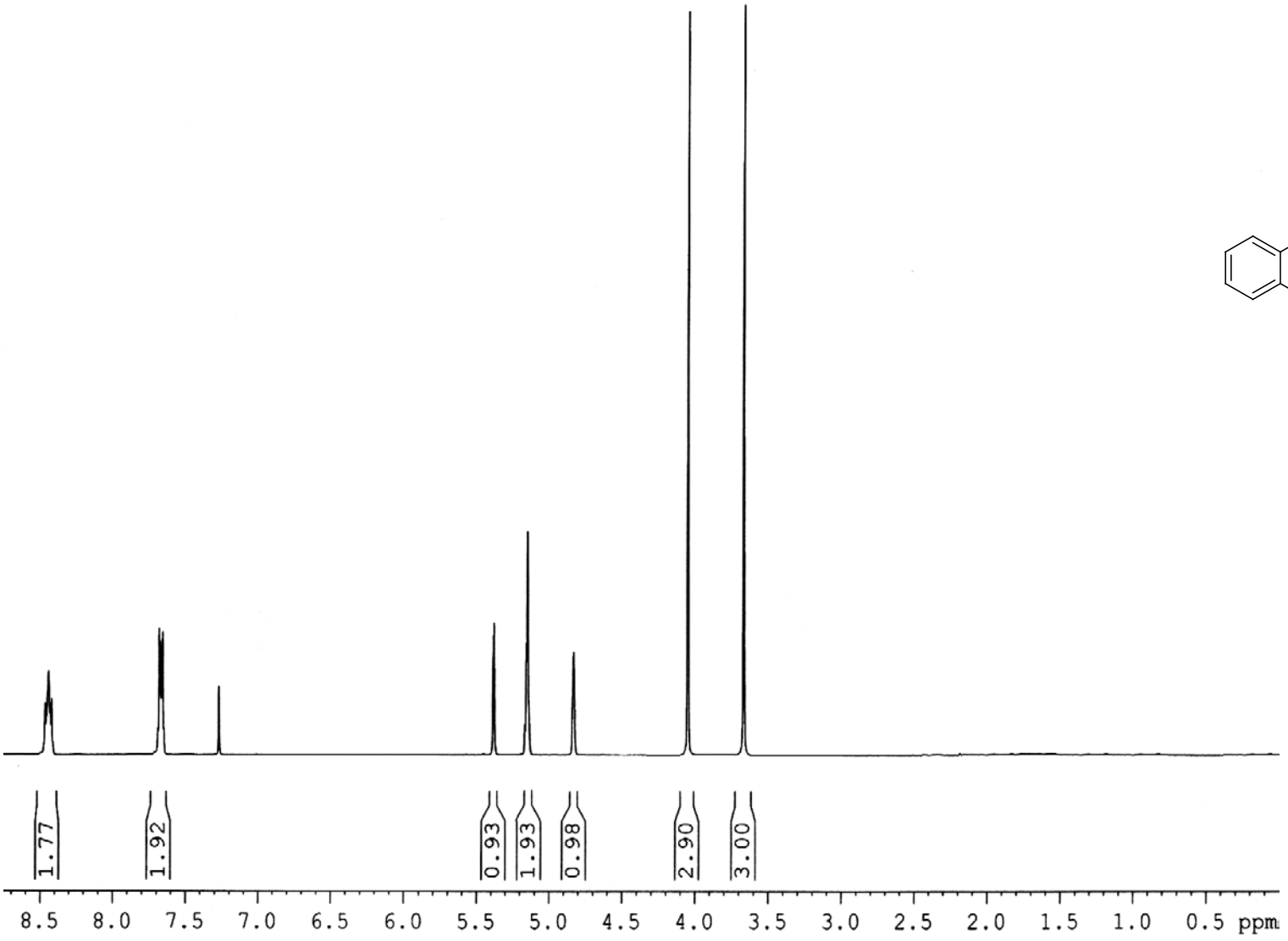
75
70
65
60
55
50
ppm

7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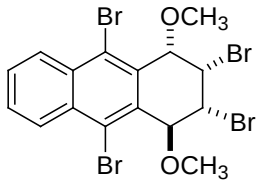
1.93
0.98
2.90
3.00
8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 ppm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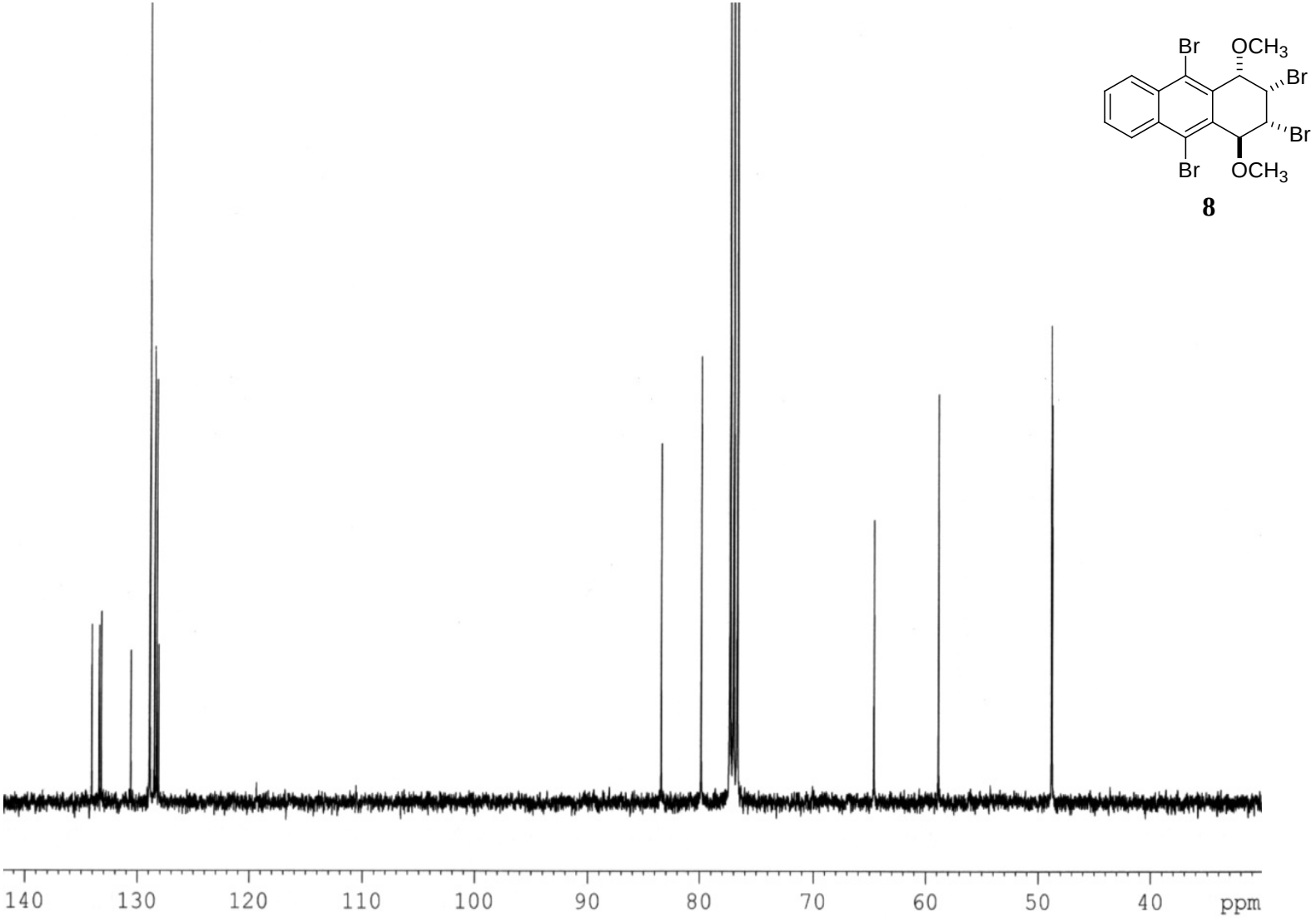
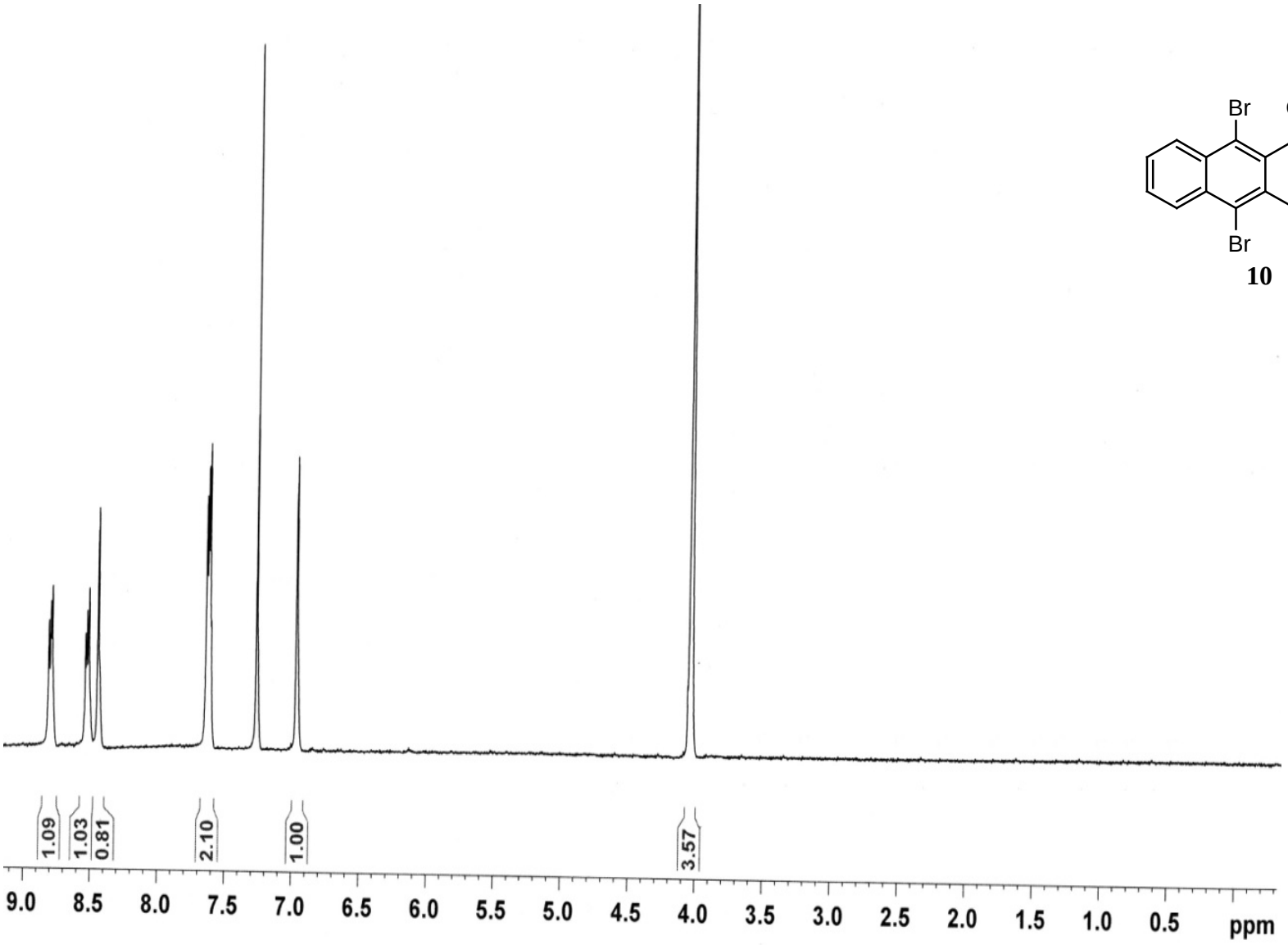
OCH3
Br
Br
Br
OCH3

8



8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6.5
6.0
5.5
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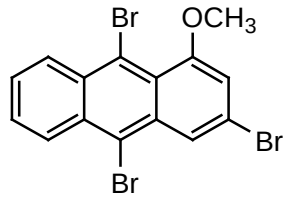
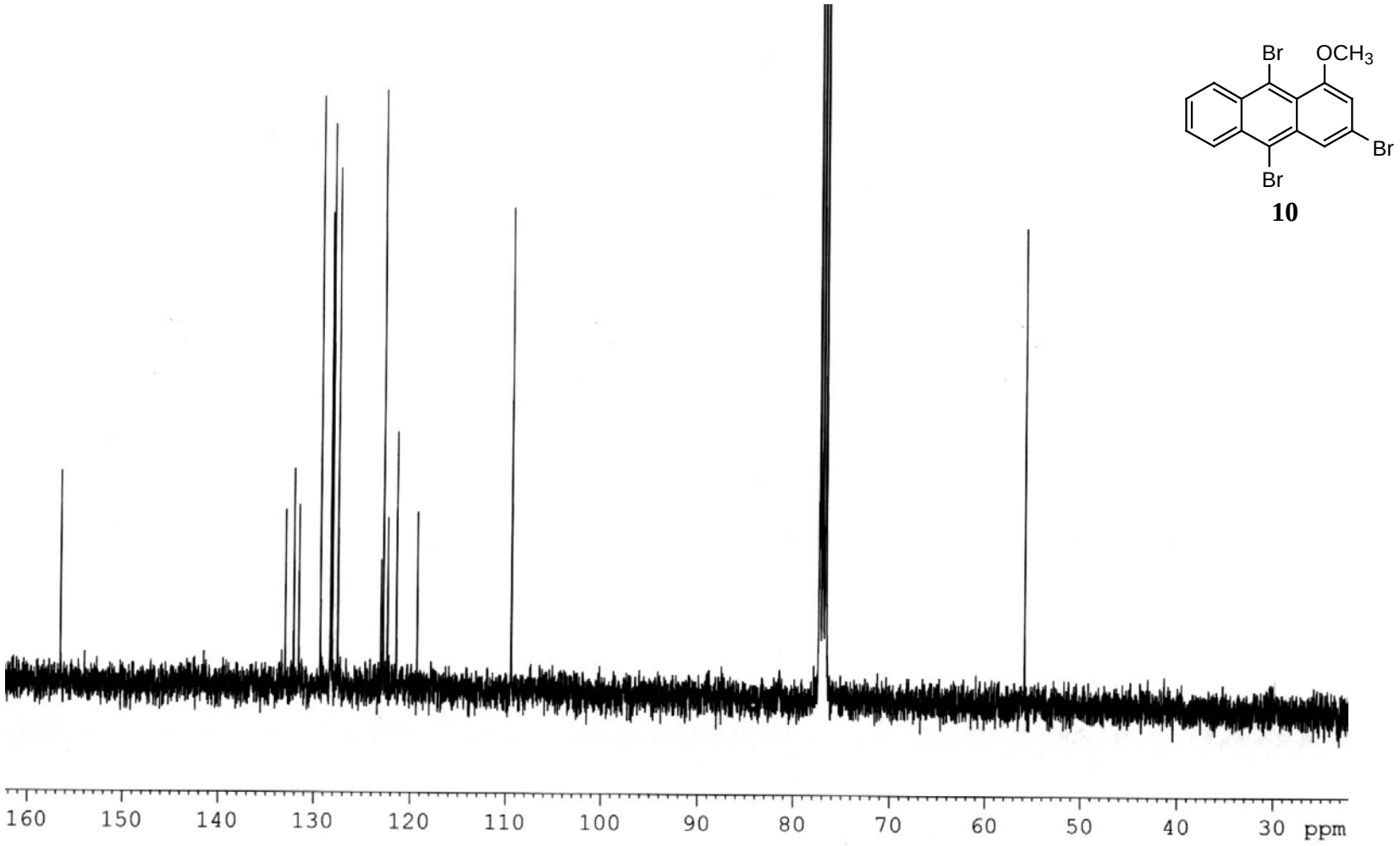
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
ppm


Br
OCH3
Br
Br

10



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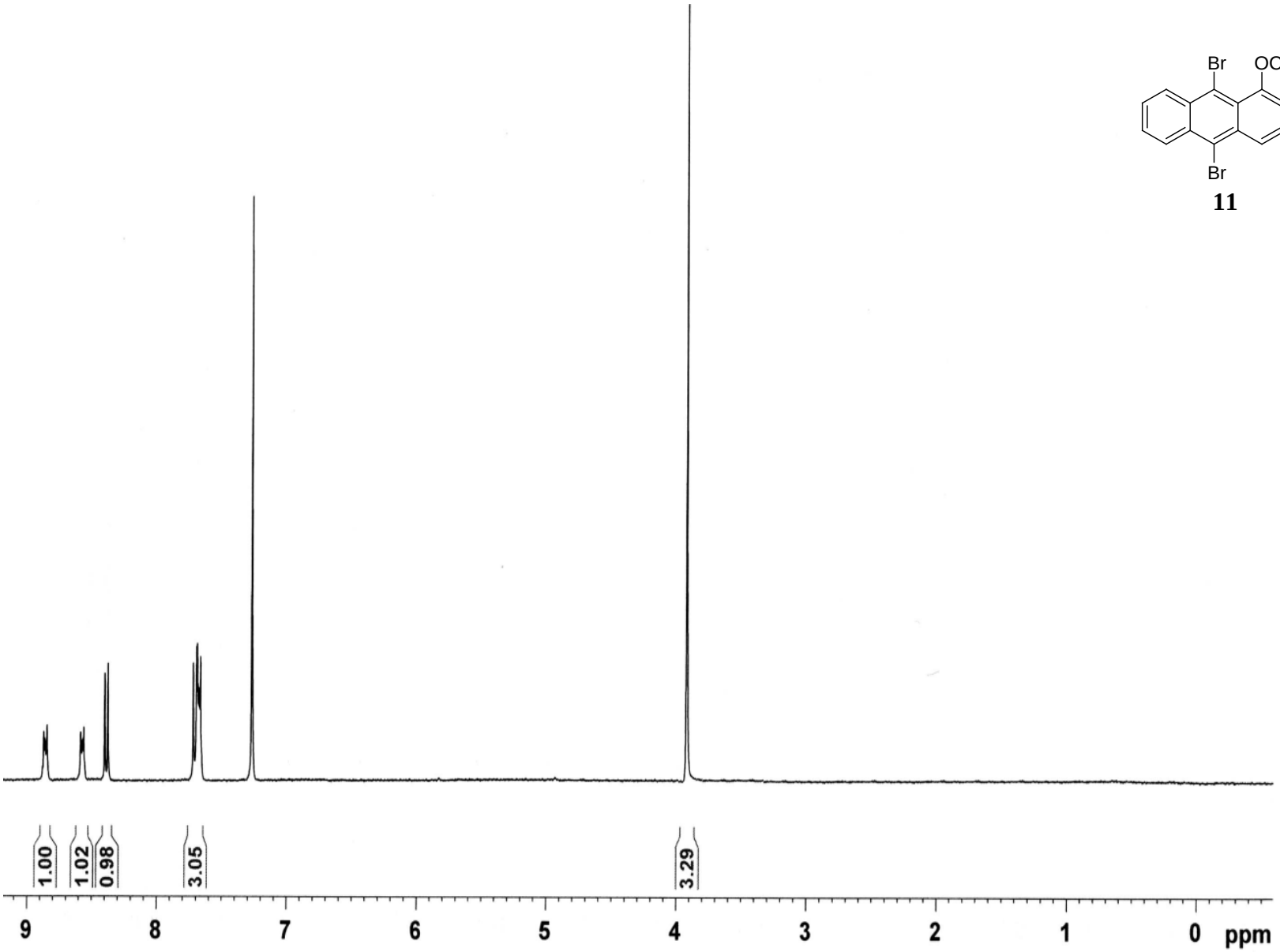

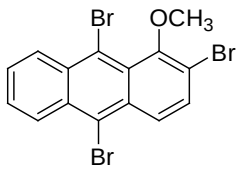

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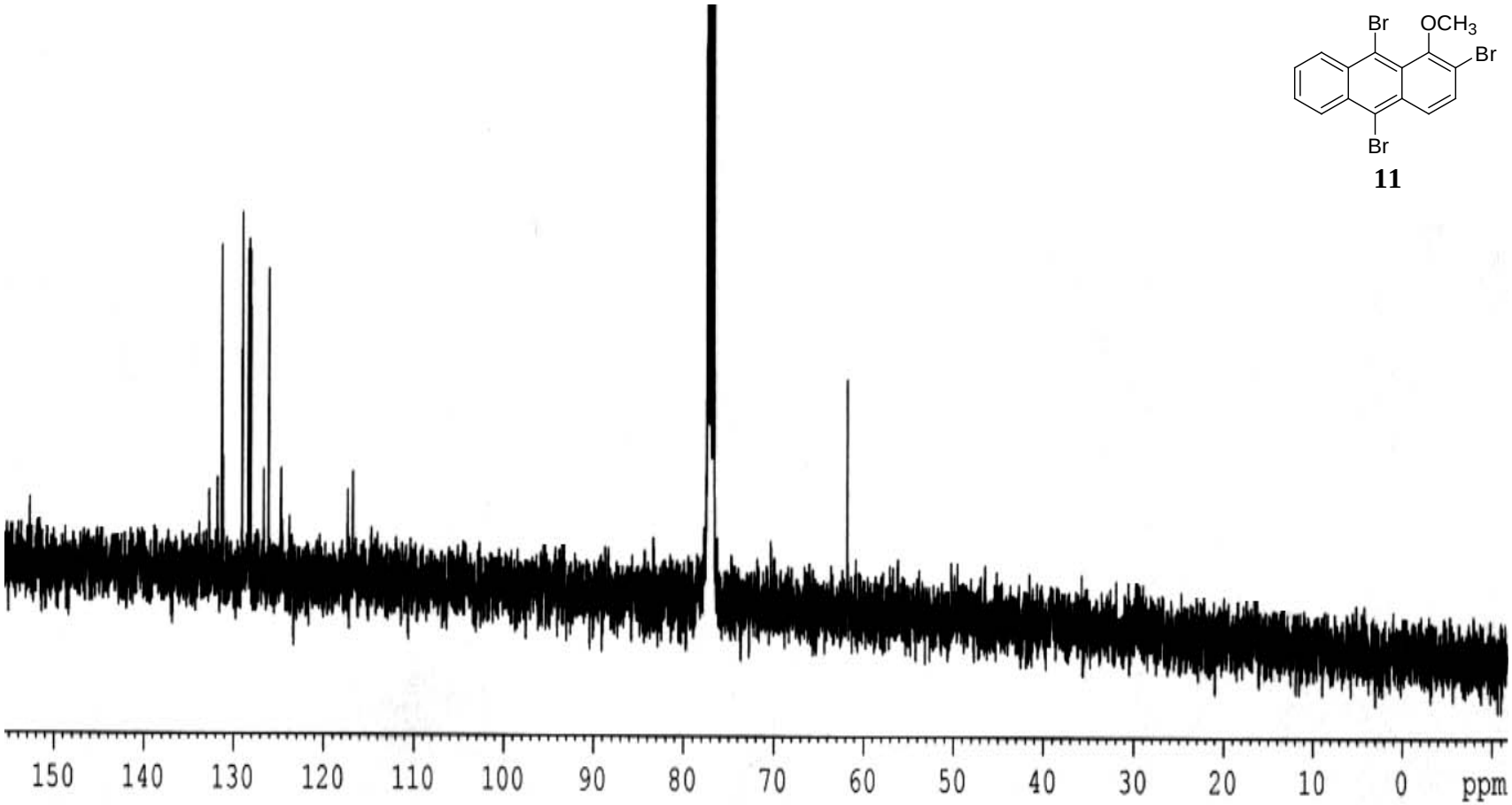
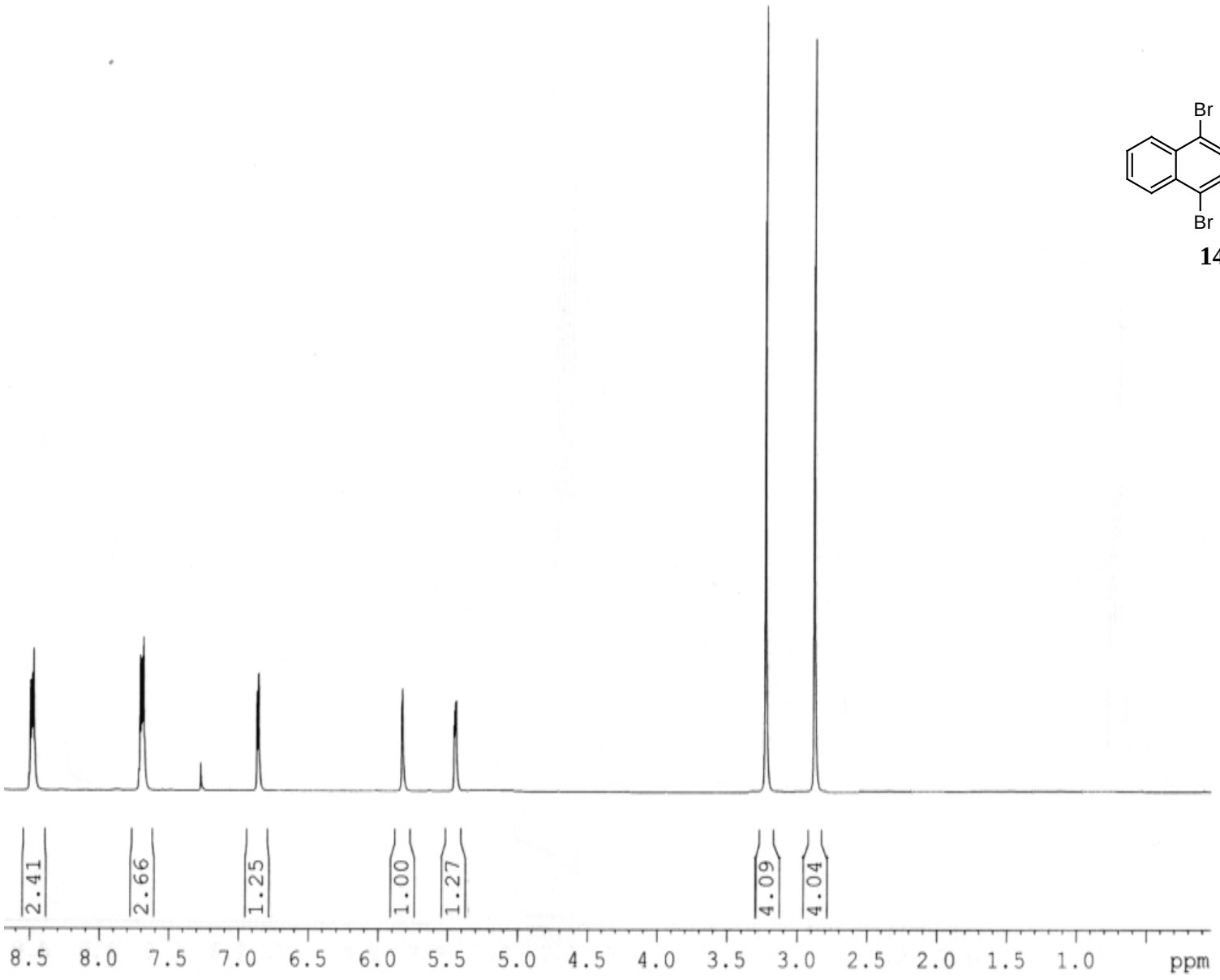

Br
OCH3
Br
Br
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
ppm

11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OCH3
Br
Br
OCH3
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2.66
1.25
1.00
1.27
4.09
4.04
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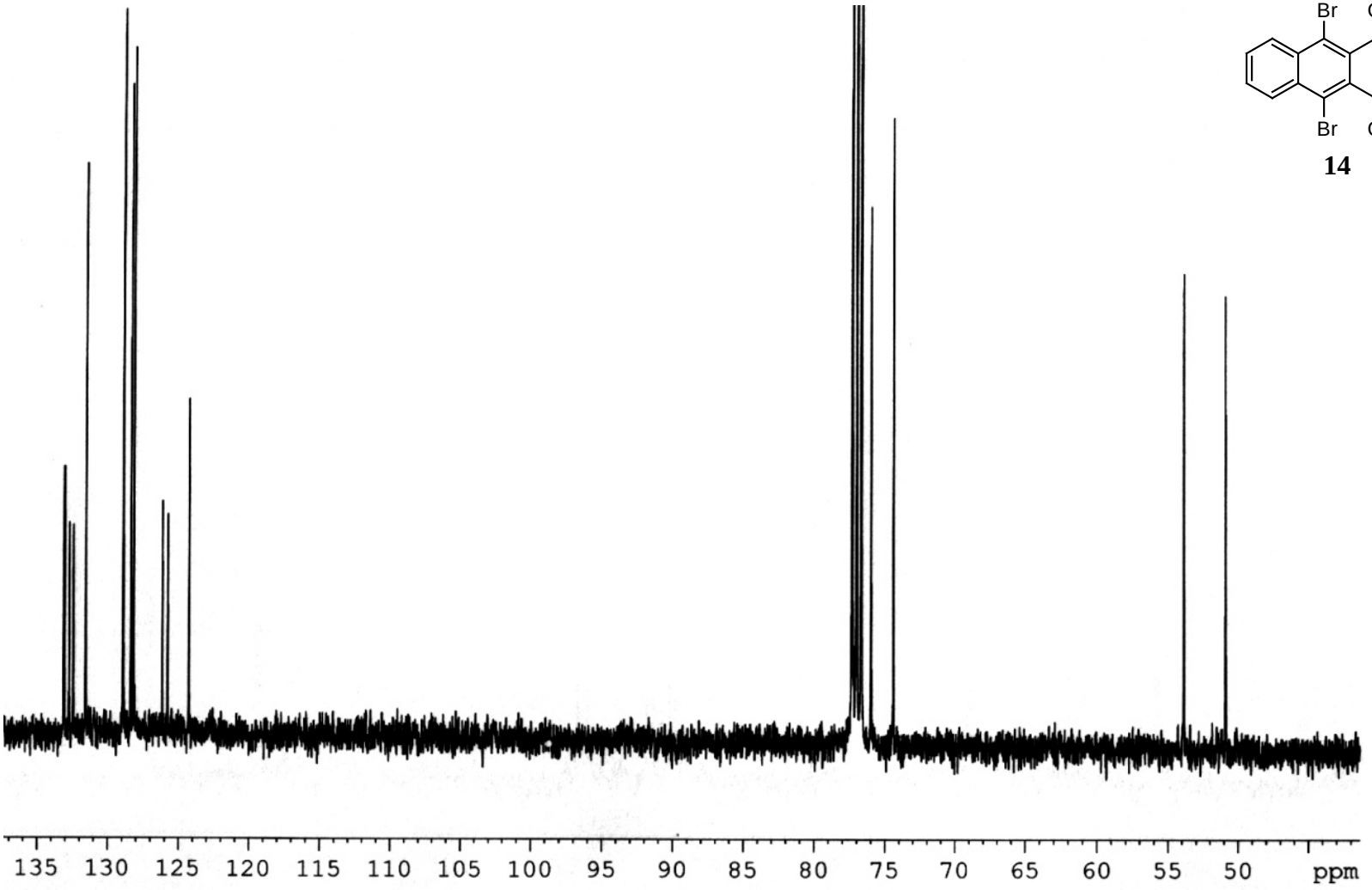
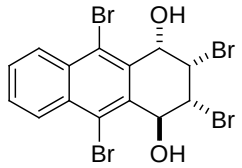
ppm

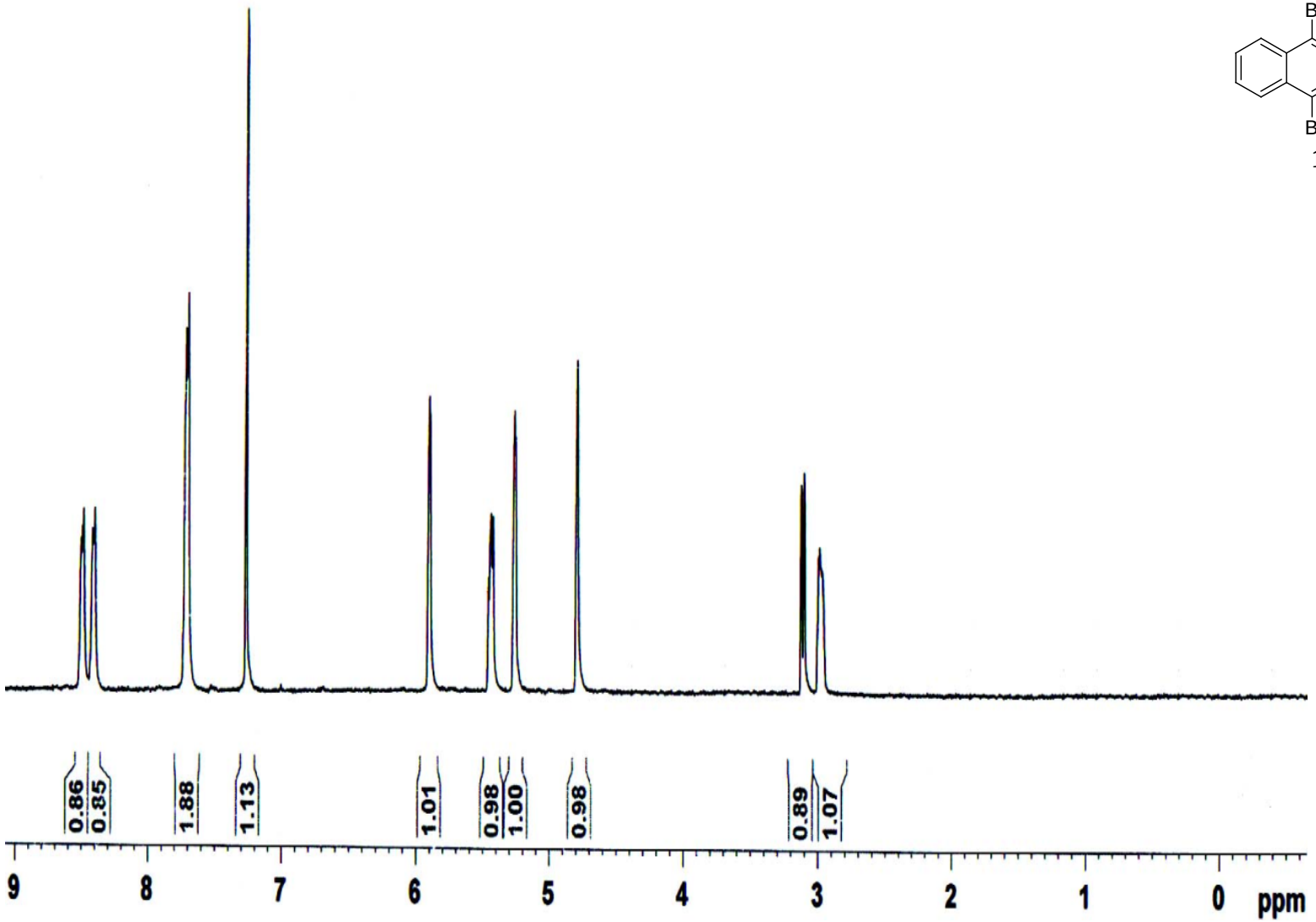
14


Br
OCH3
Br
Br
OCH3
135
130
125
120
115
110
105
100
95
90
85
80
75
70
65
60
55
50
ppm

14


Br
OH
Br
Br
Br
OH

17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1.13
1.01
0.98
1.00
0.98
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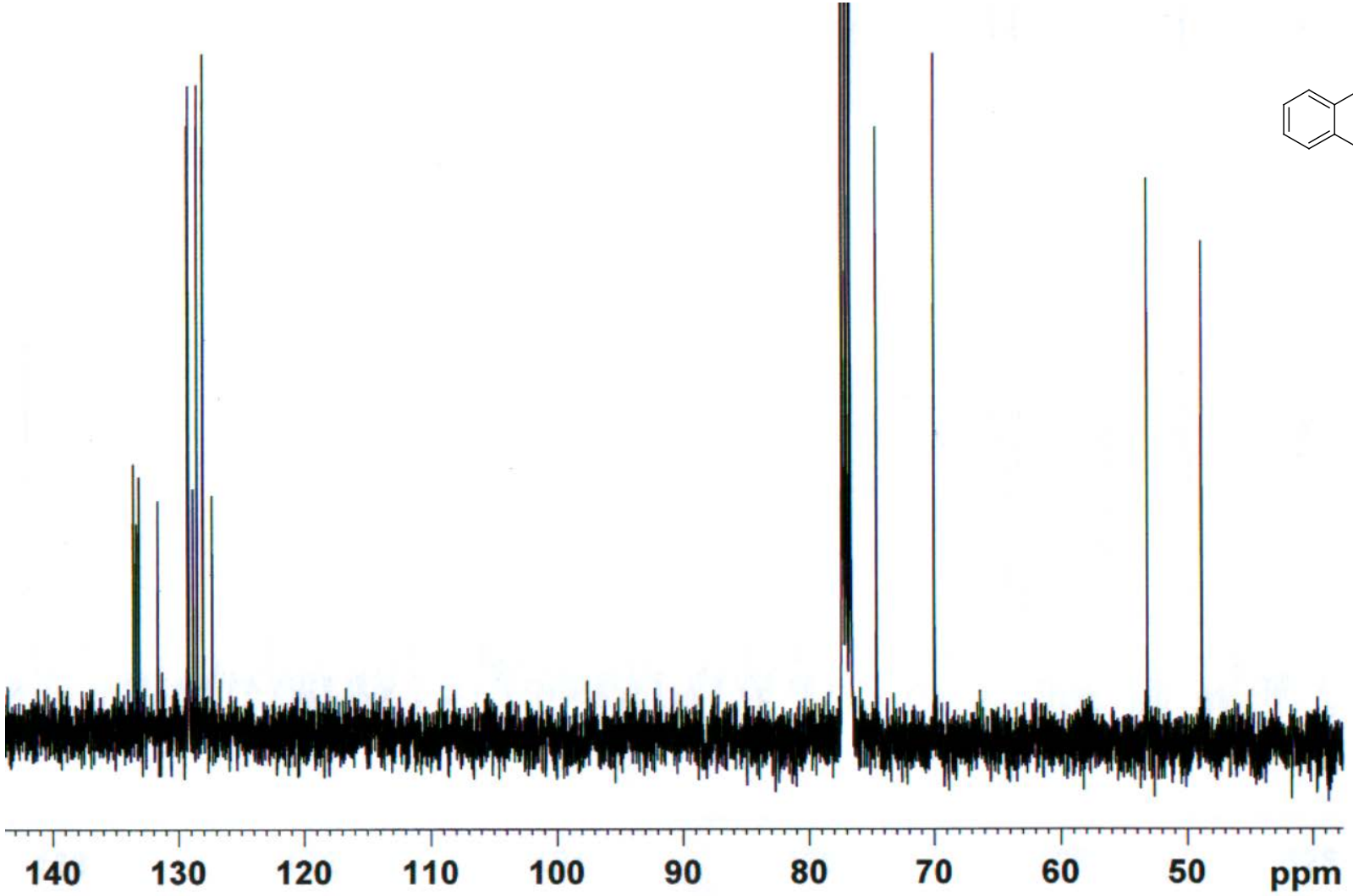
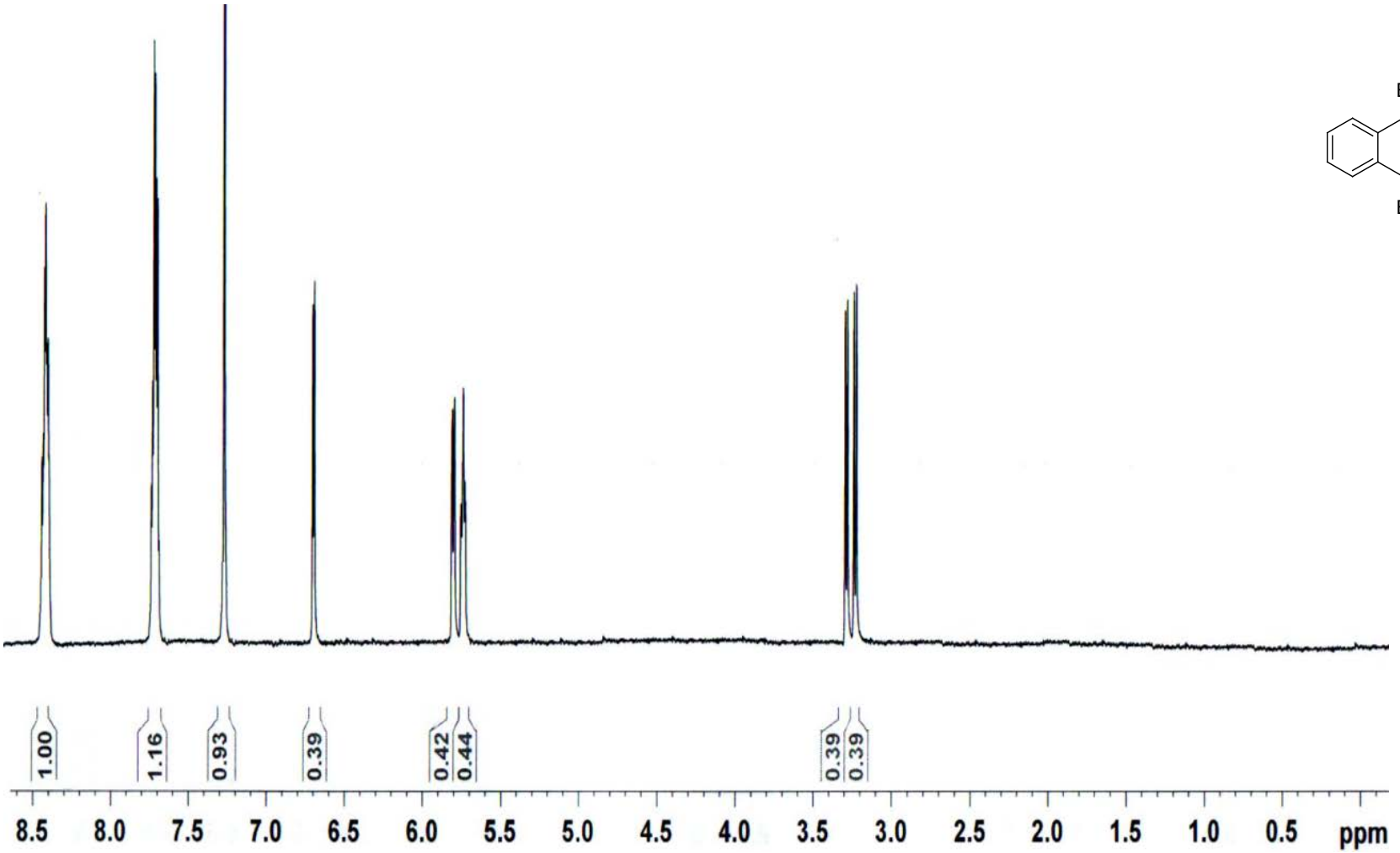
1.07
9
8
7
6
5
4
3
2
1
0
ppm



17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0.42
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0.39
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8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
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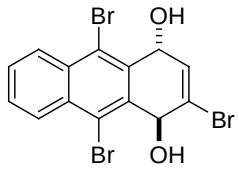
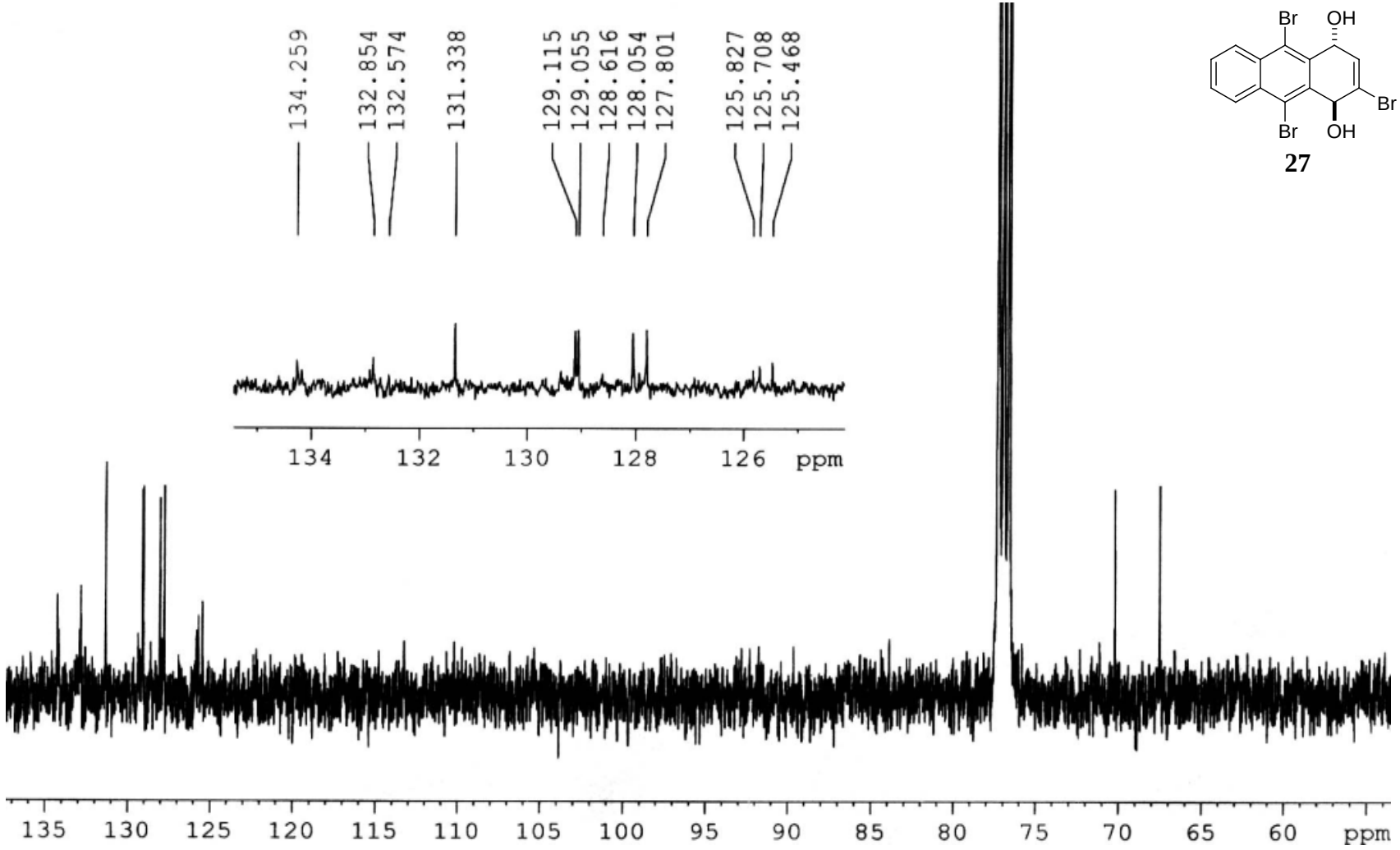
3.5
3.0
2.5
2.0
1.5
1.0
0.5
ppm


Br
OH
Br
Br
OH

27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125.827
125.708
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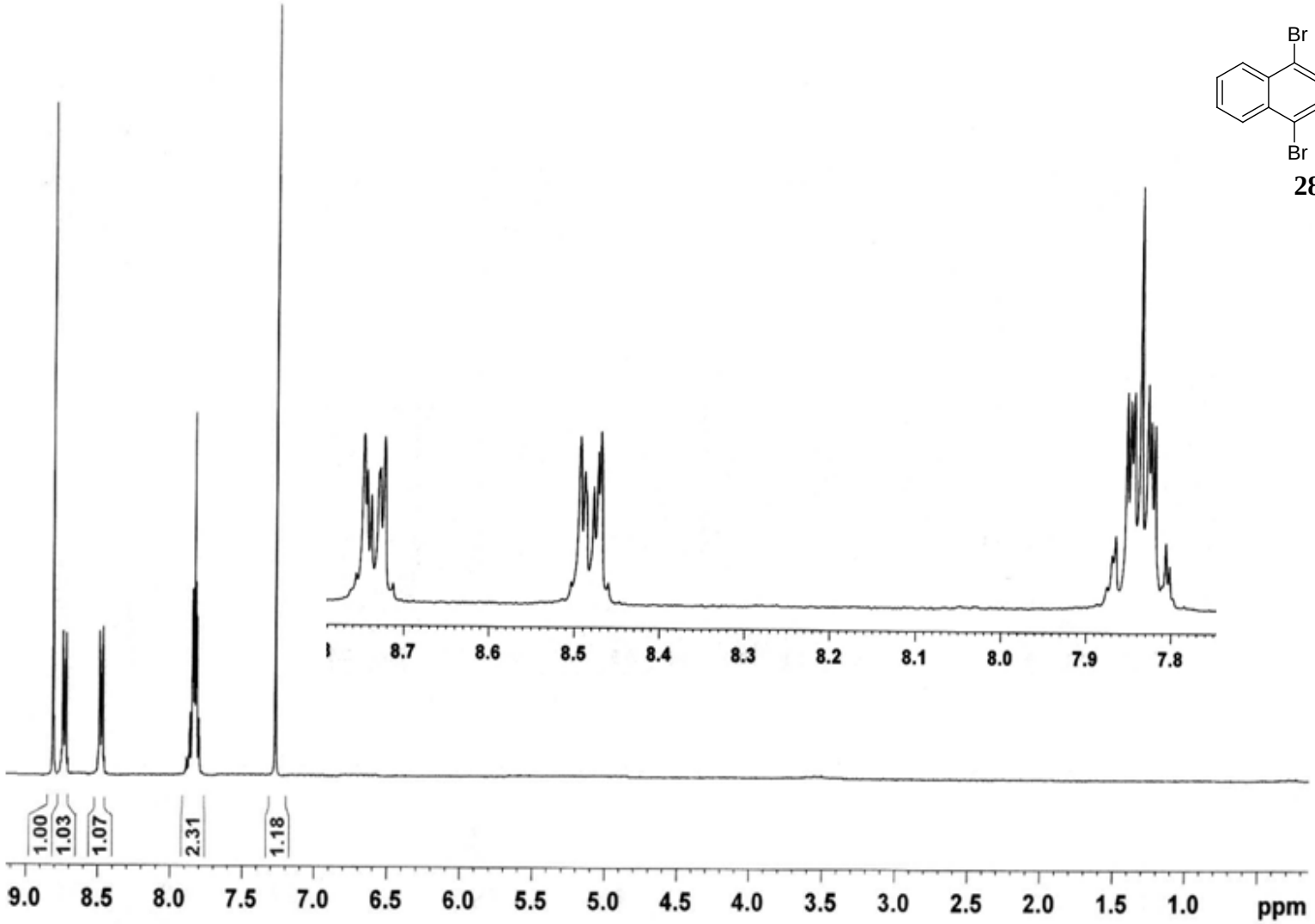
132
130
128
126
ppm
135
130
125
120
115
110
105
100
95
90
85
80
75
70
65
60
ppm

Br
OH
Br
Br
OH

27


Br
O
Br
Br
O
28
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8.5
8.4
8.3
8.2
8.1
8.0
7.9
7.8
1.00
1.03
1.07
2.31
1.18
9.0
8.5
8.0
7.5
7.0
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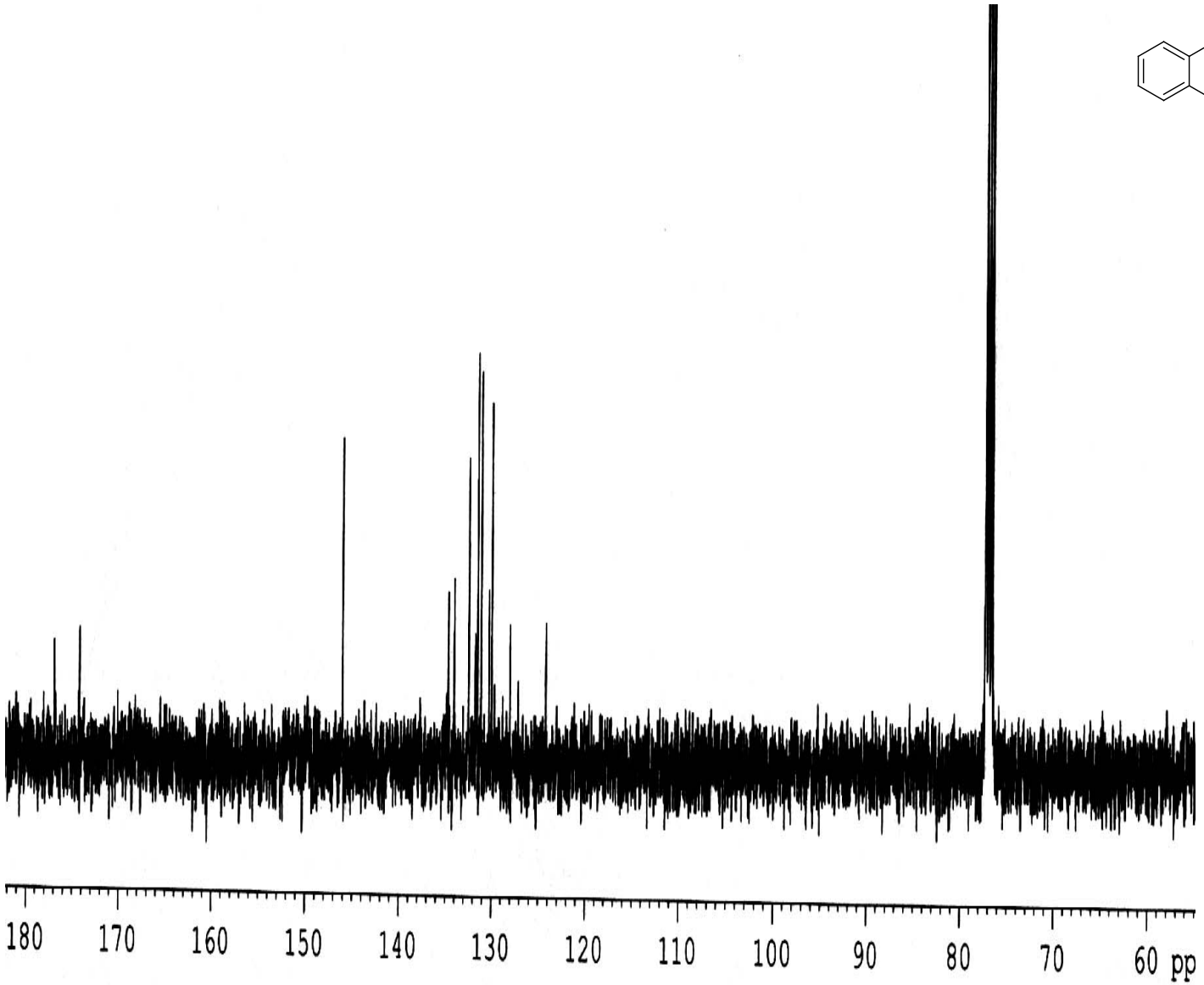
ppm



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