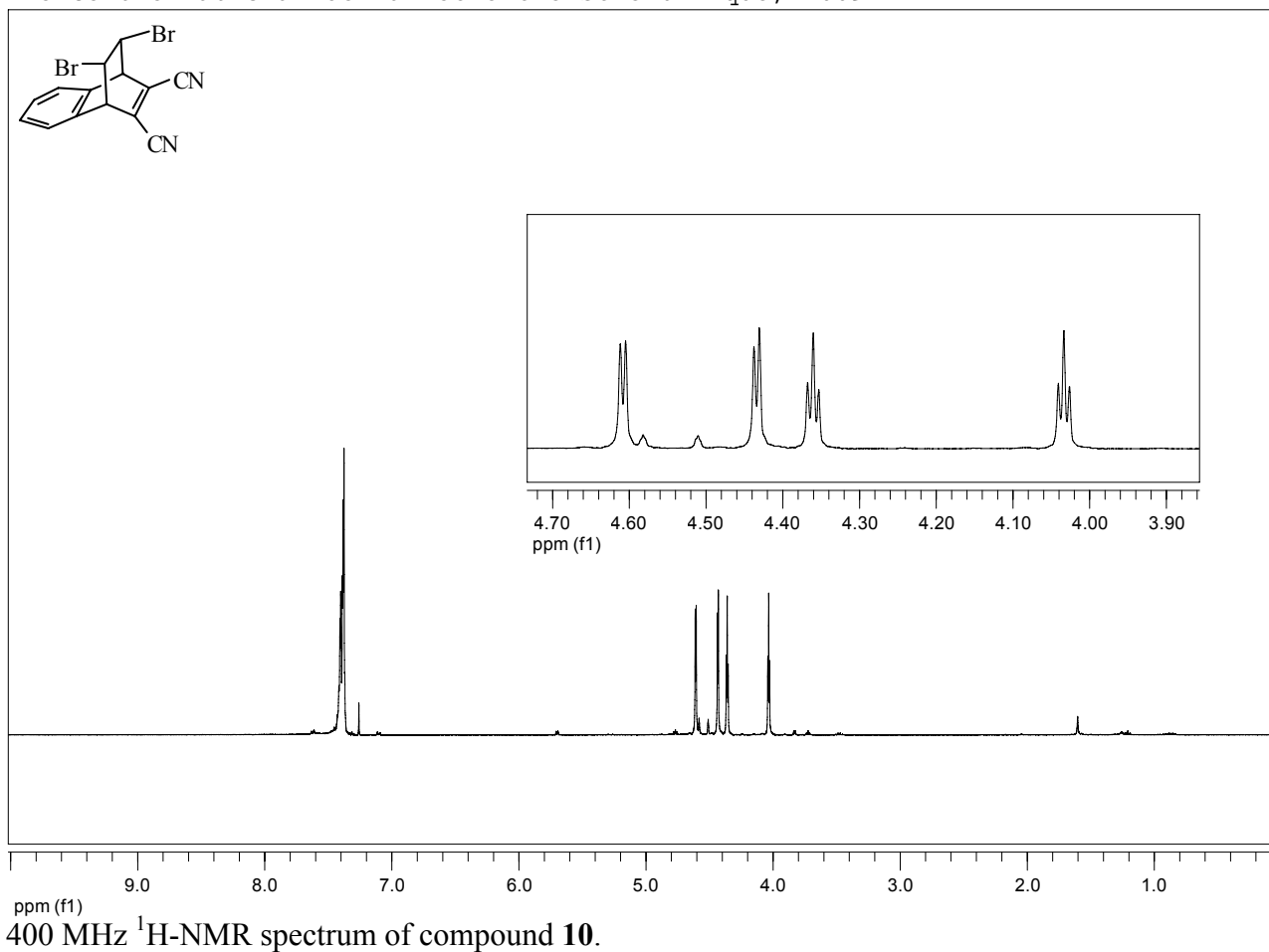
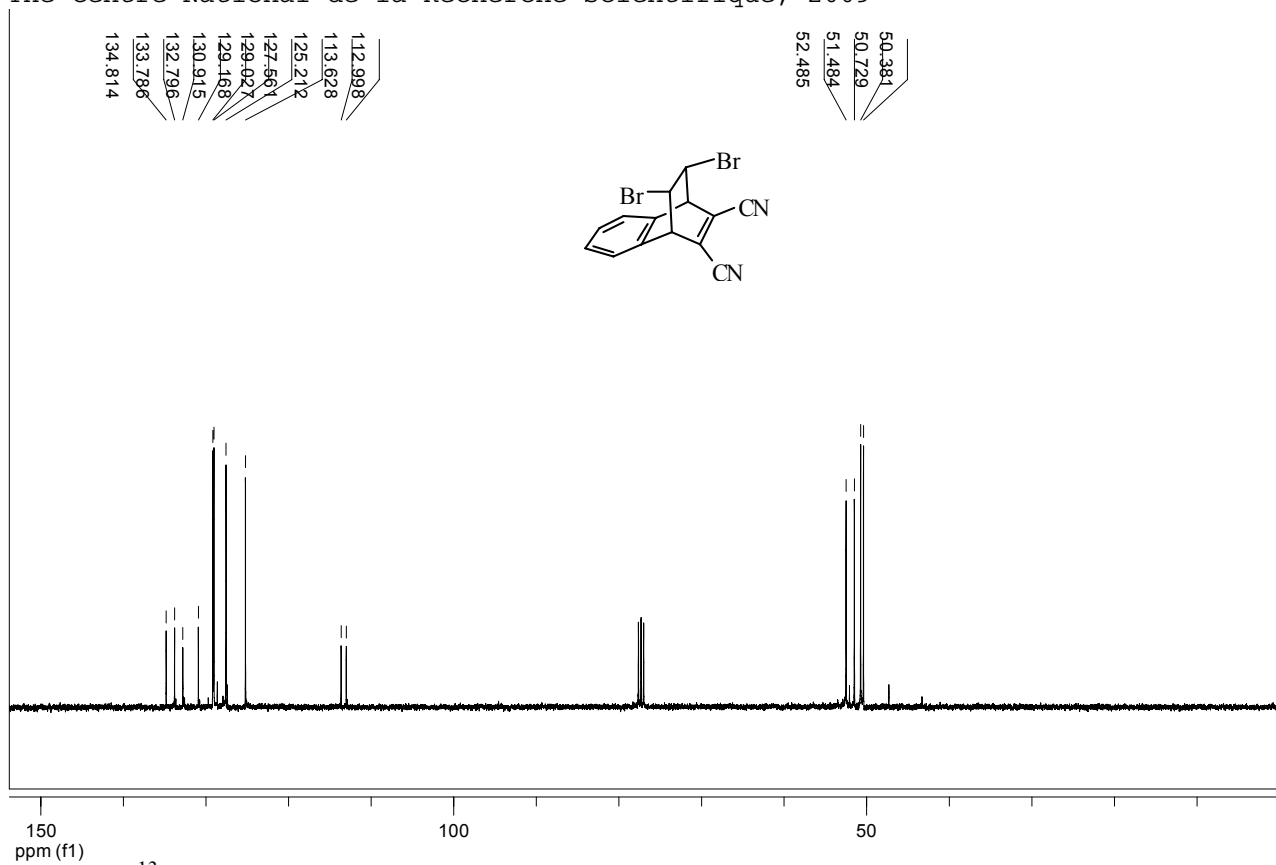
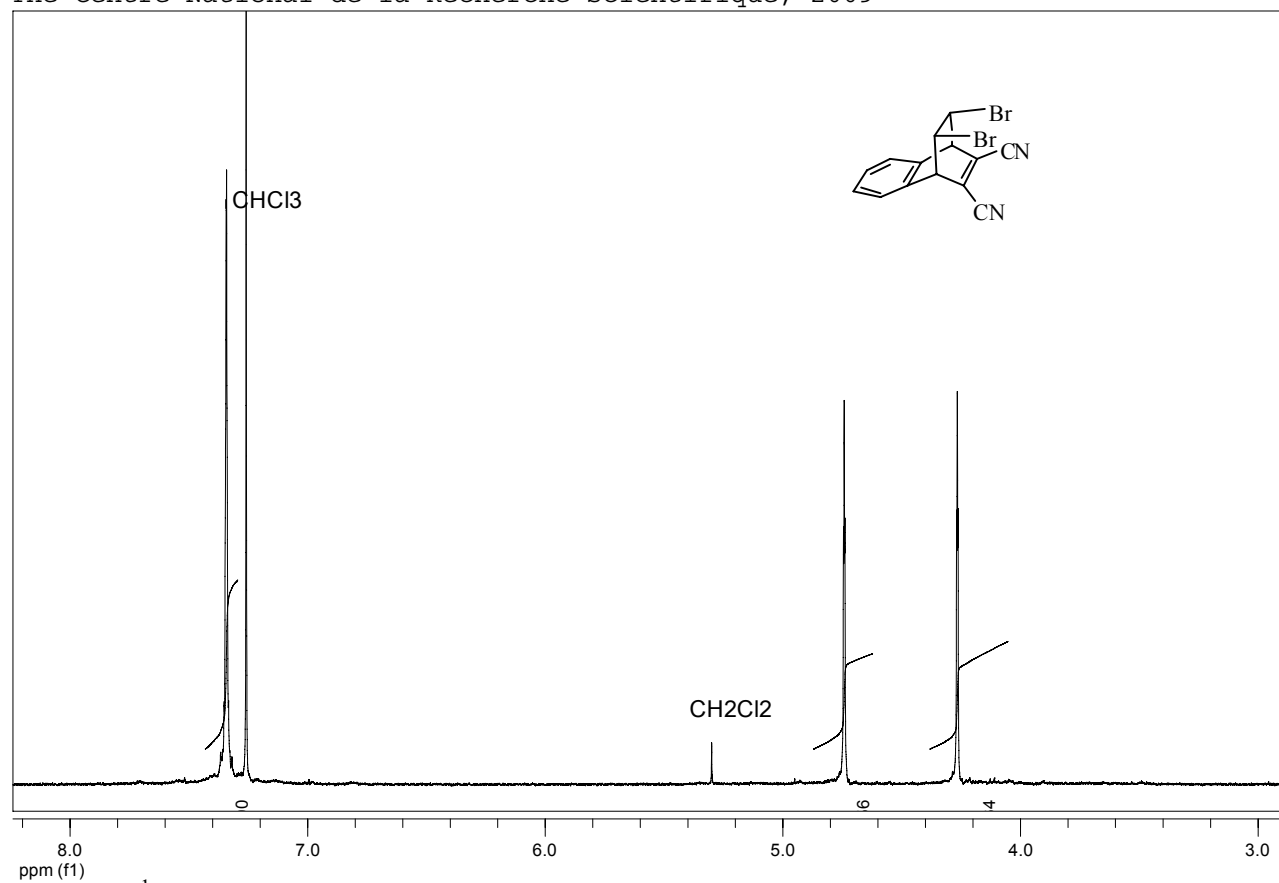


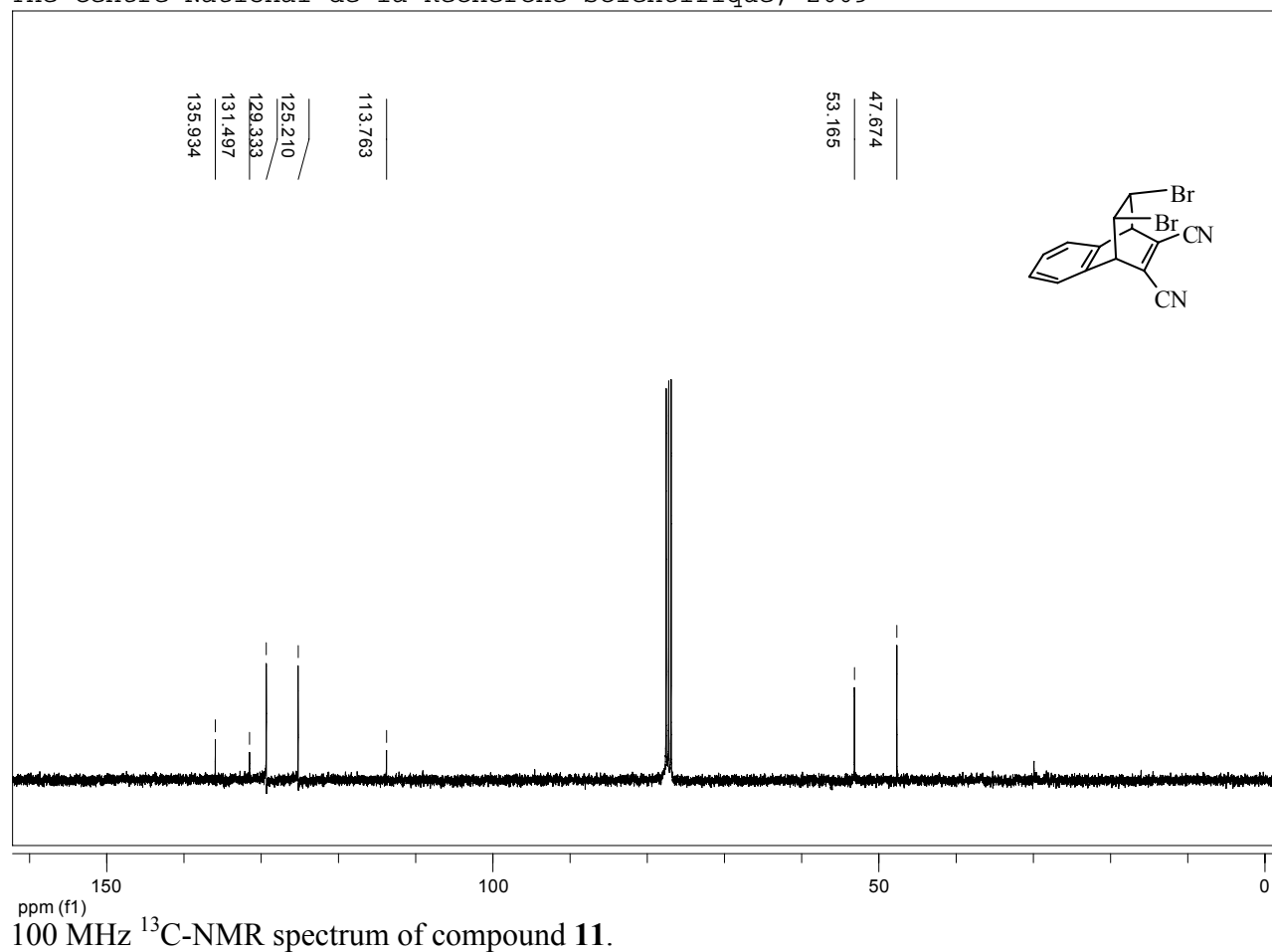


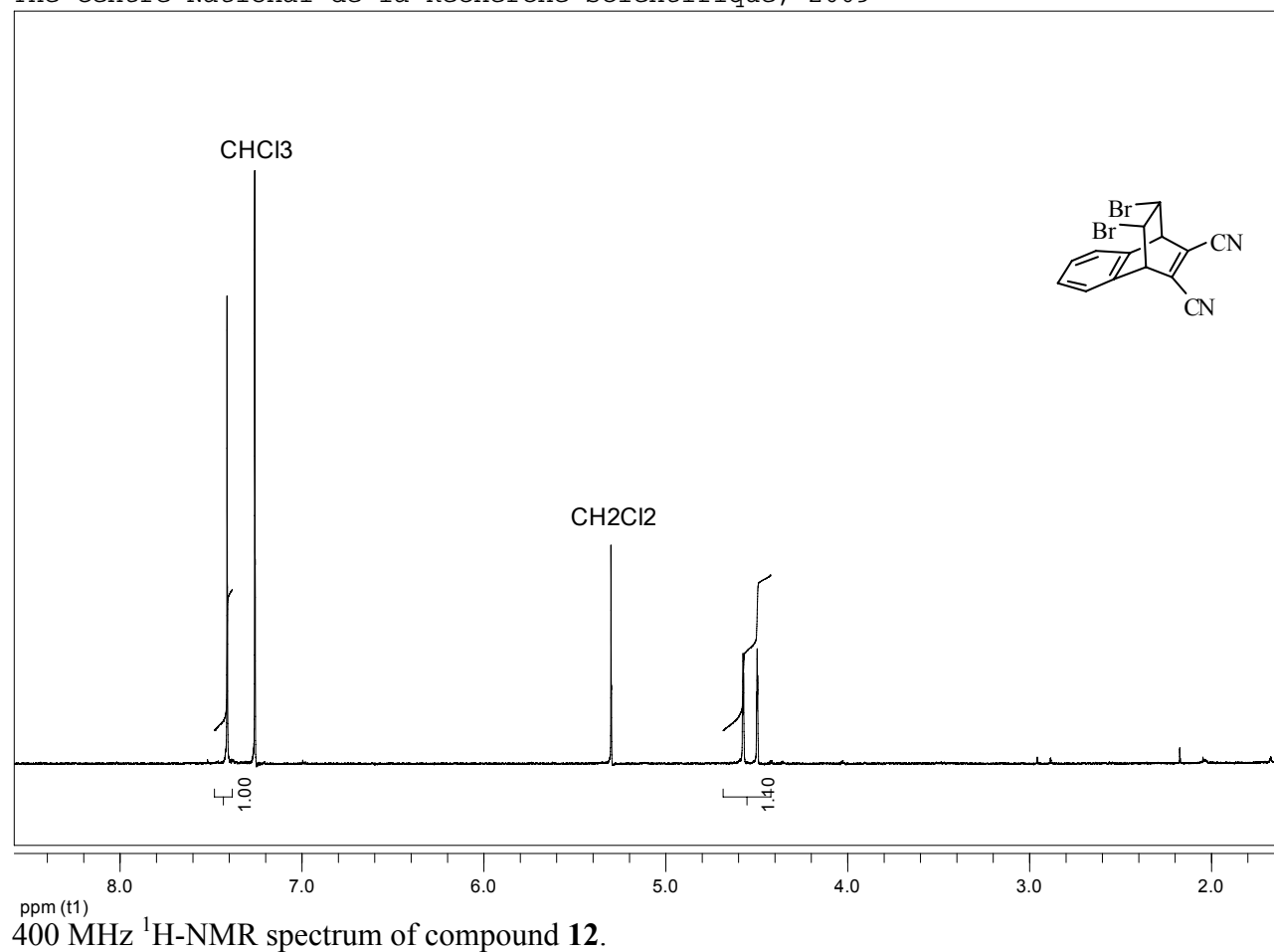
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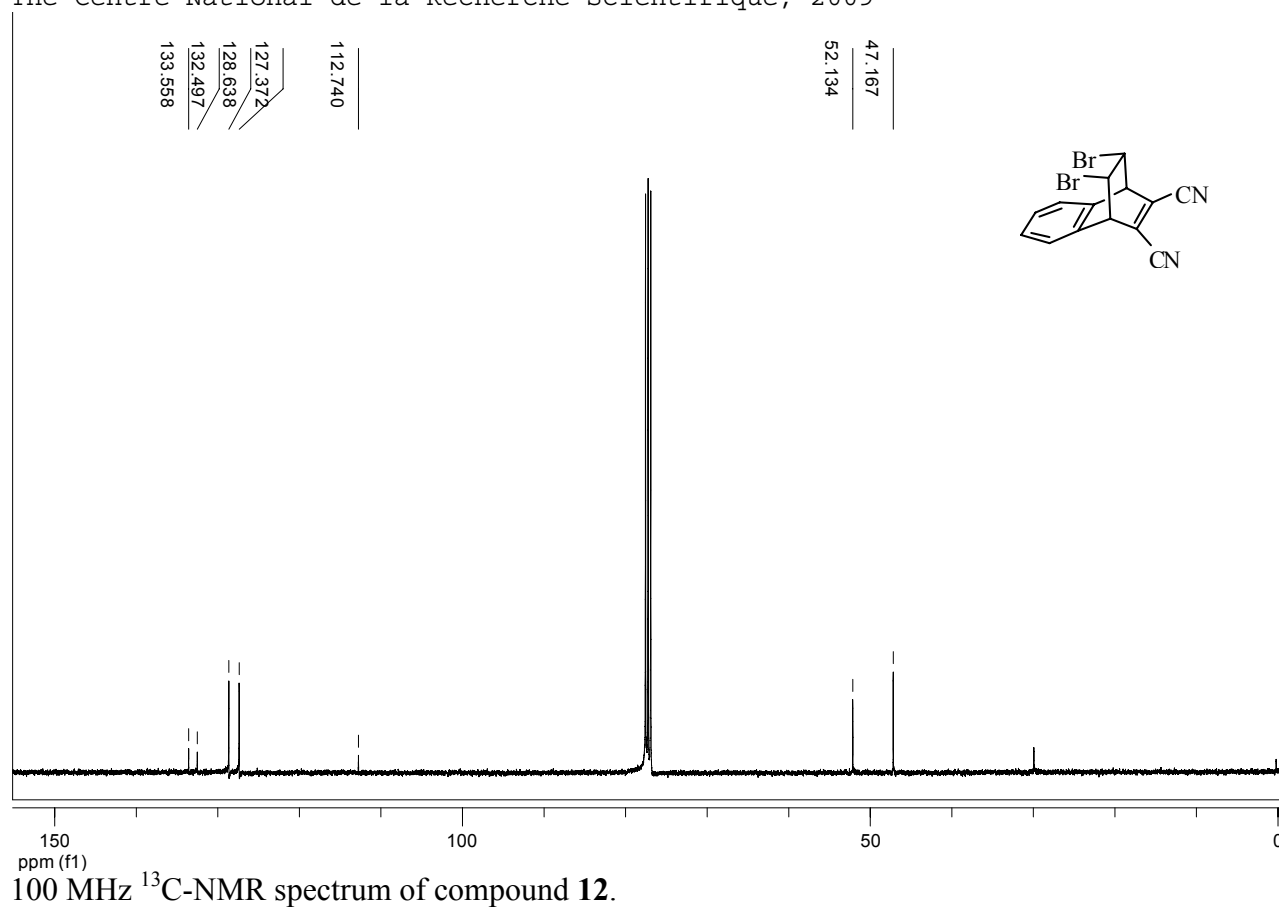
100 MHz ¹³C-NMR spectrum of compound 10.



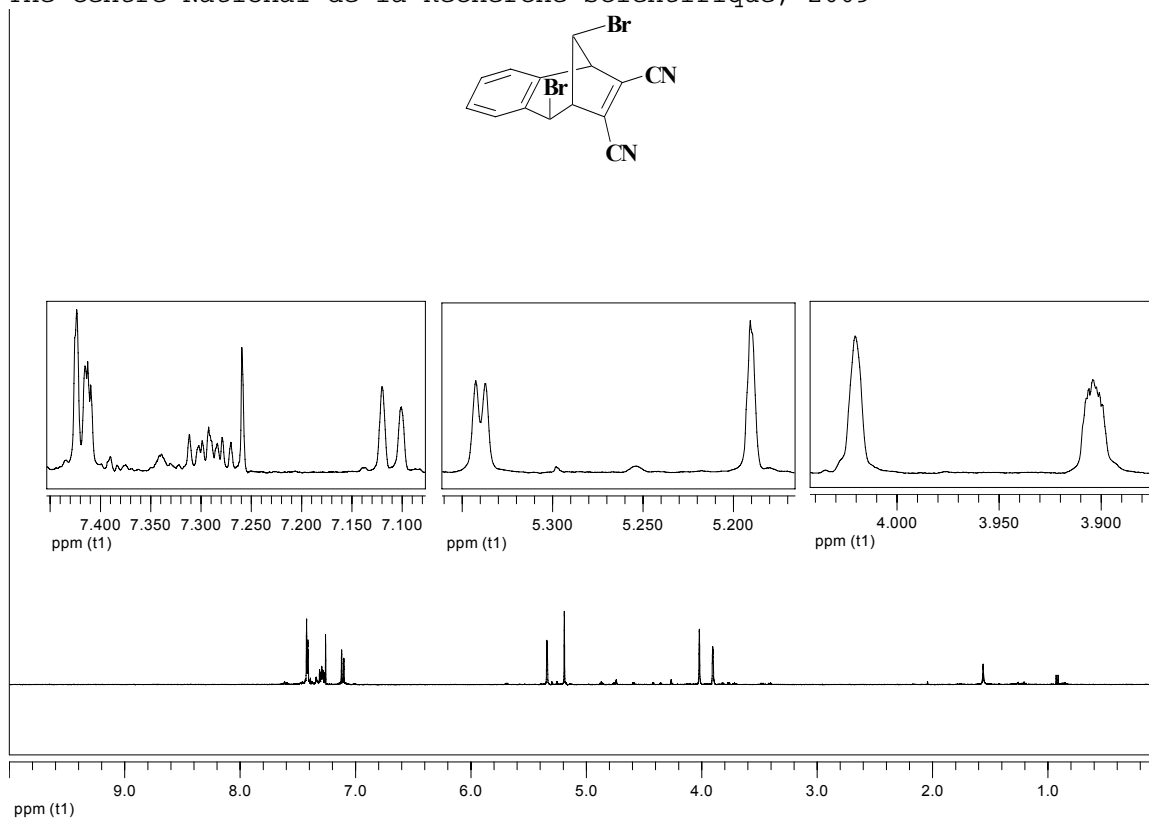




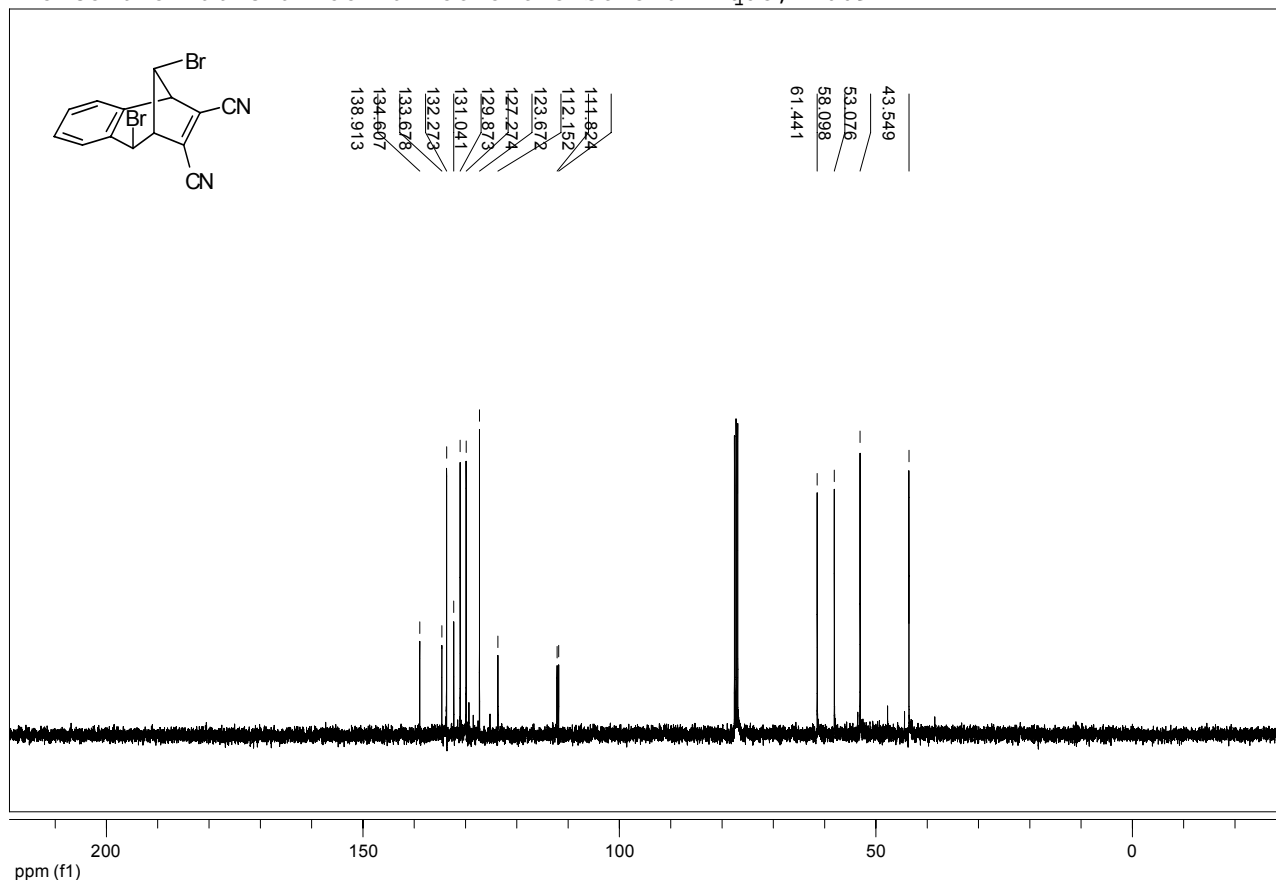
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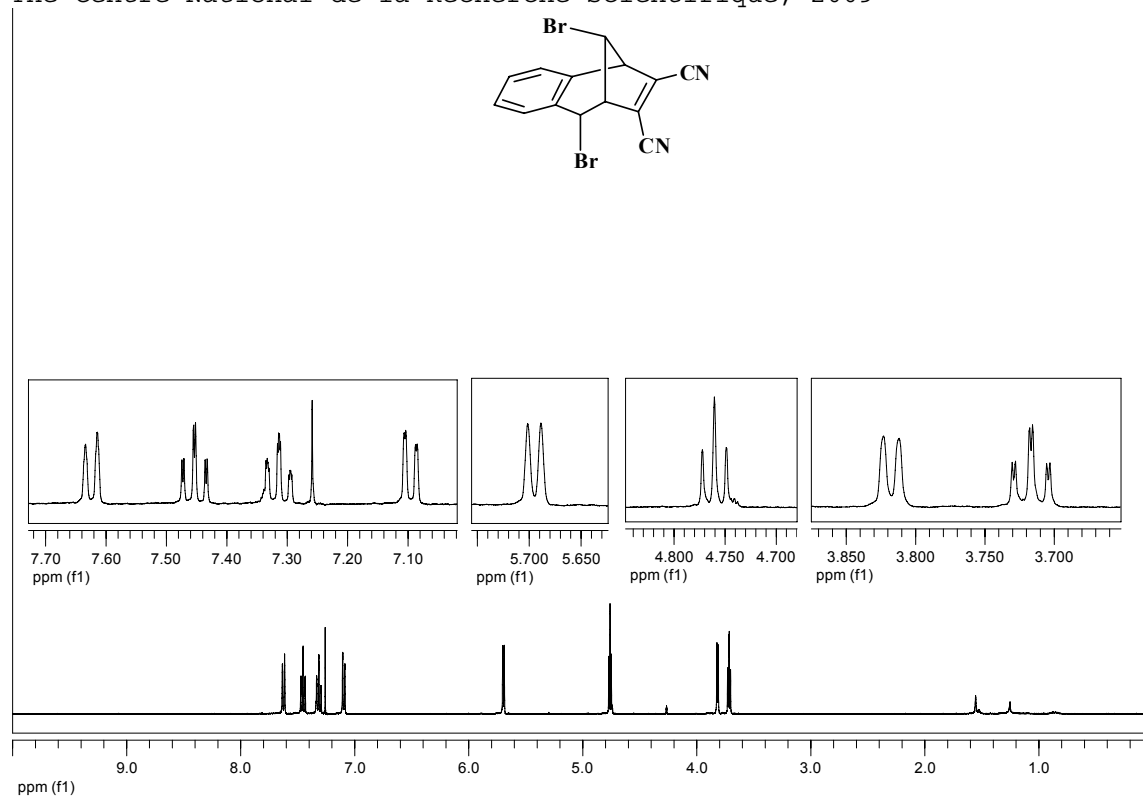
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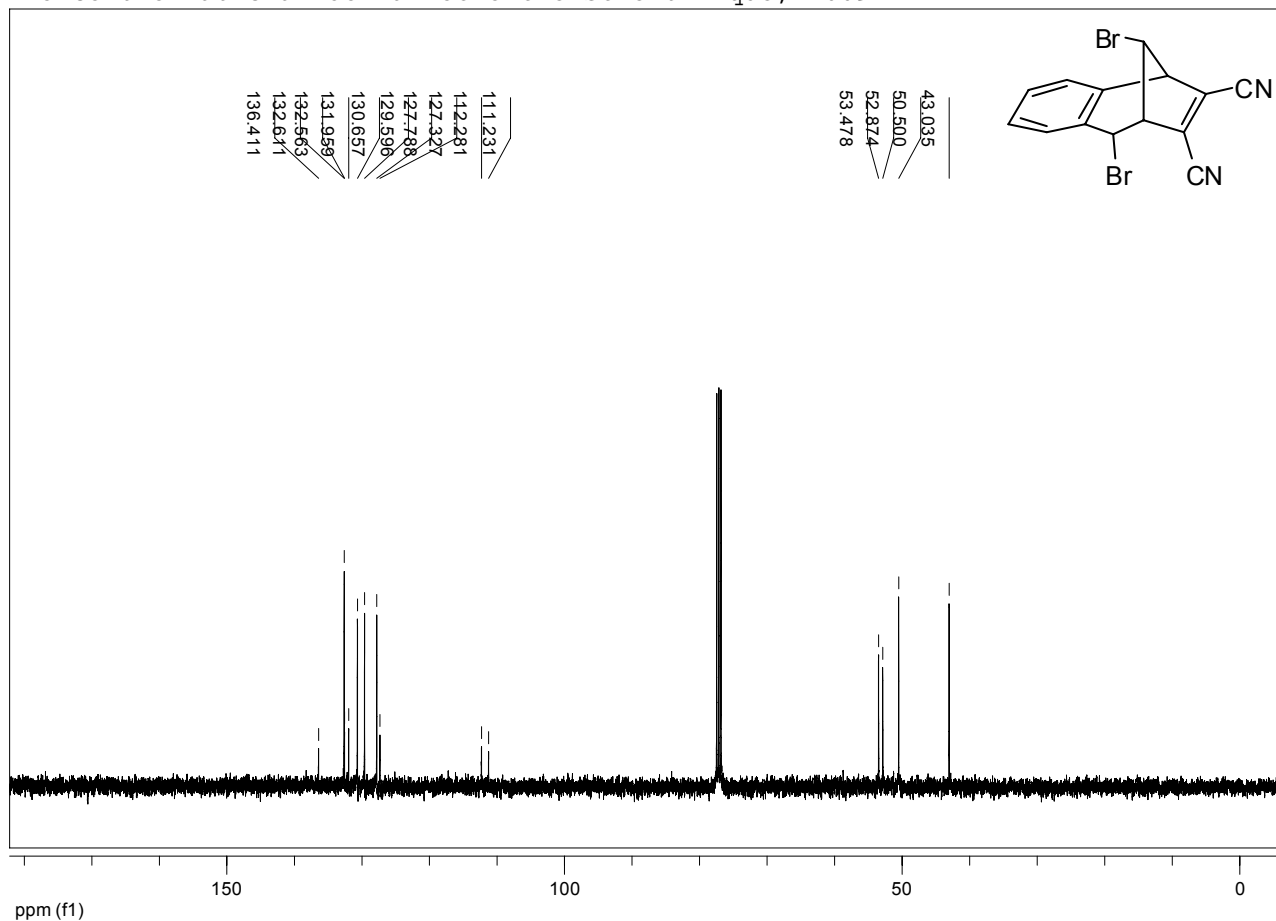
400 MHz ¹H-NMR spectrum of compound **62**.



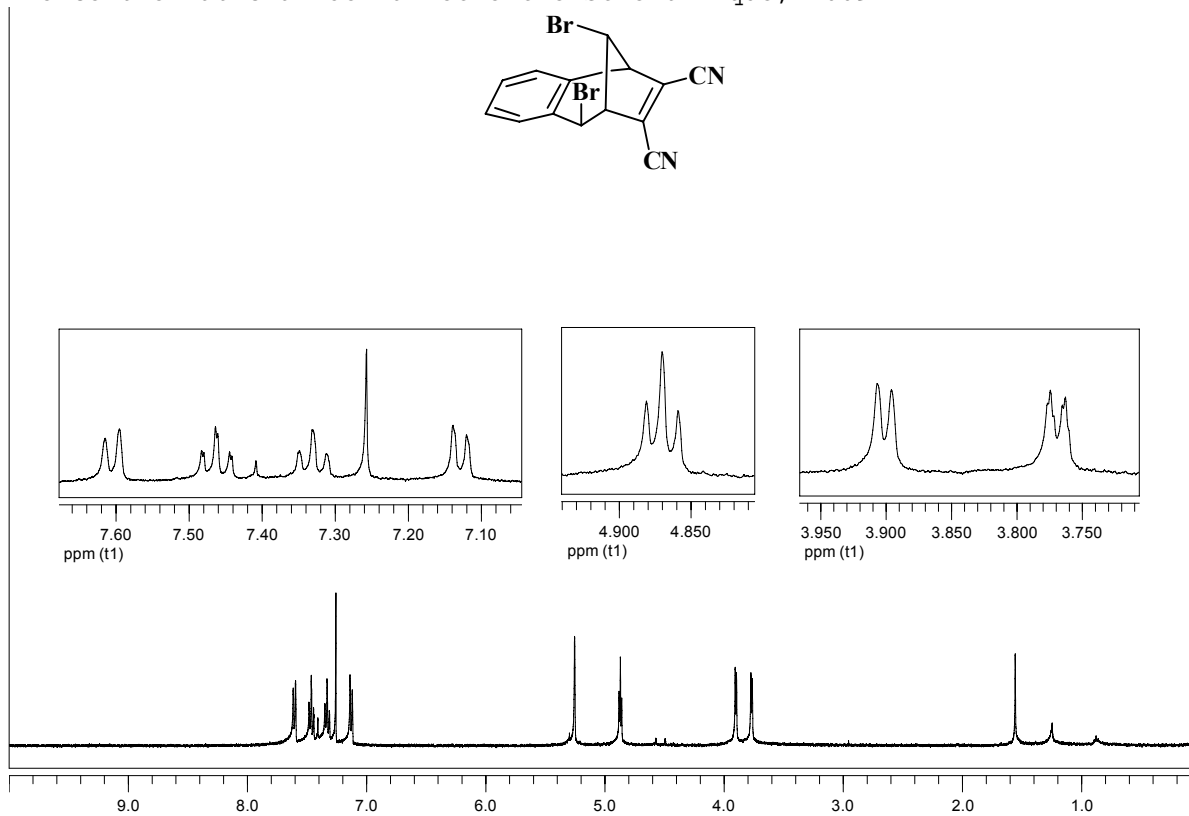
100 MHz ^{13}C -NMR spectrum of compound **62**.



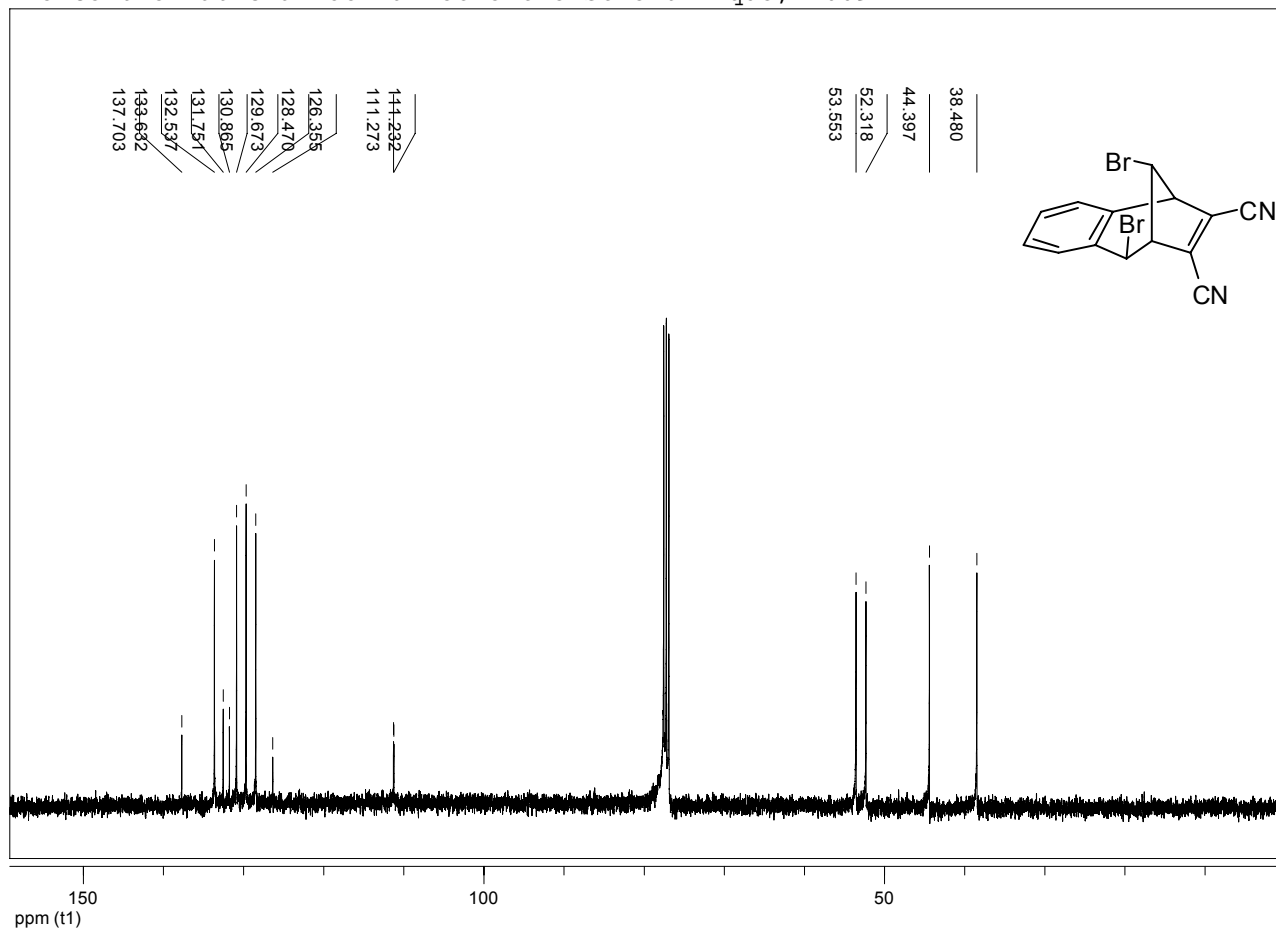
400 MHz ^1H -NMR spectrum of compound 47.



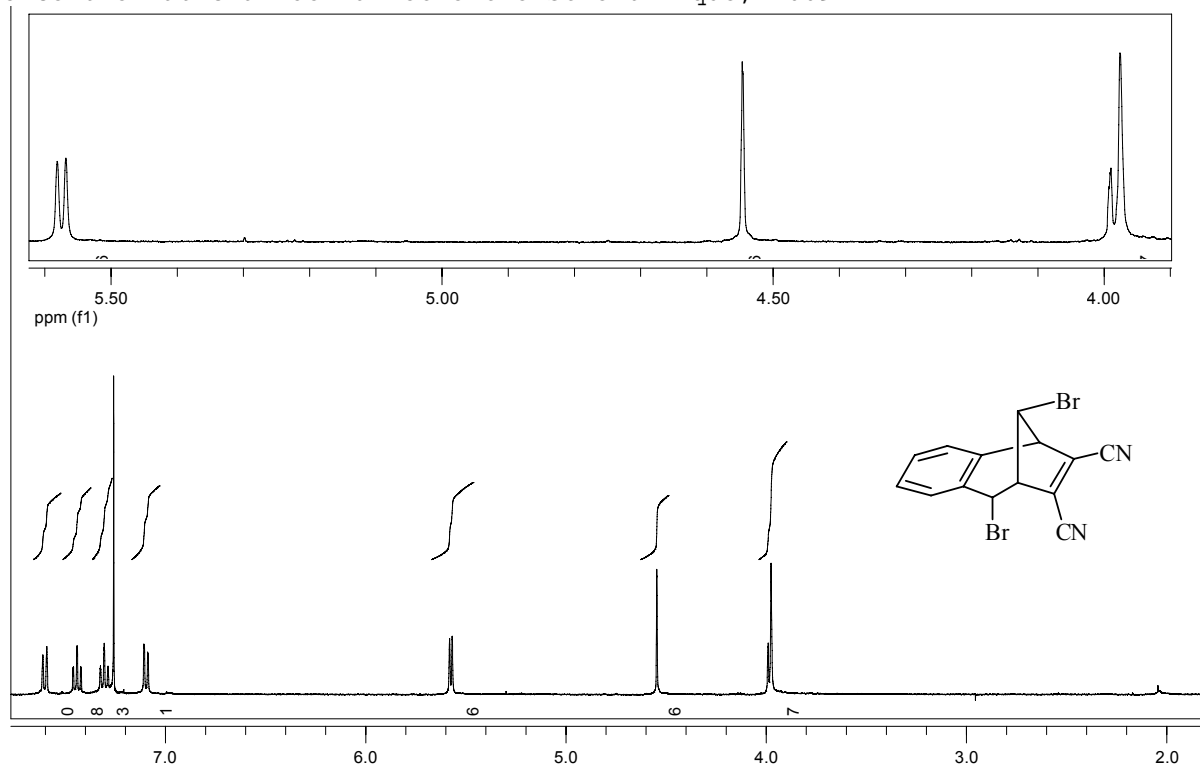
100 MHz ^{13}C -NMR spectrum of compound **47**.



400 MHz ¹H-NMR spectrum of compound **48**.



100 MHz ^{13}C -NMR spectrum of compound **48**.



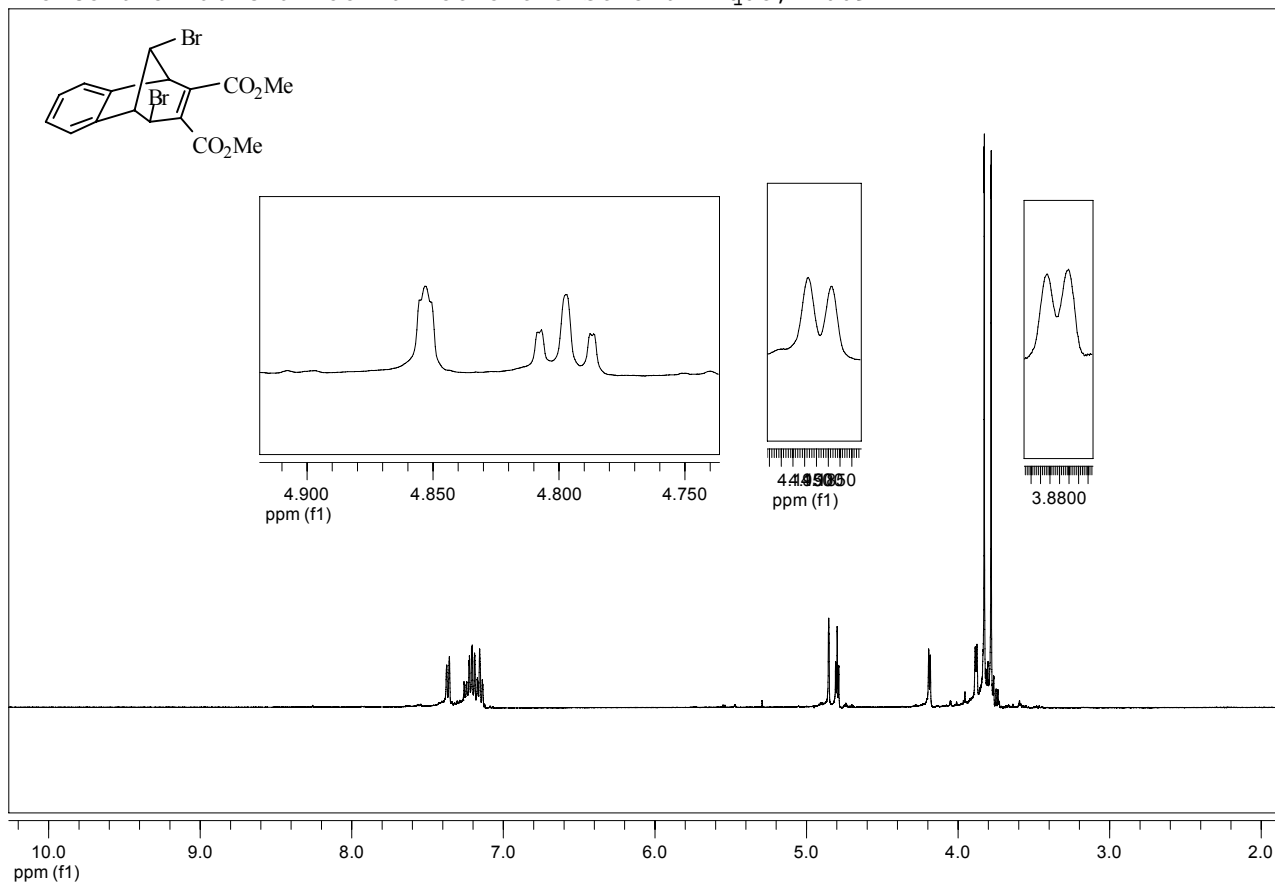
400 MHz ^1H -NMR spectrum of compound **63**.

Chemical structure: 1,2-dibromo-3,4-dicyano-1,2,3,4-tetrahydronaphthalene

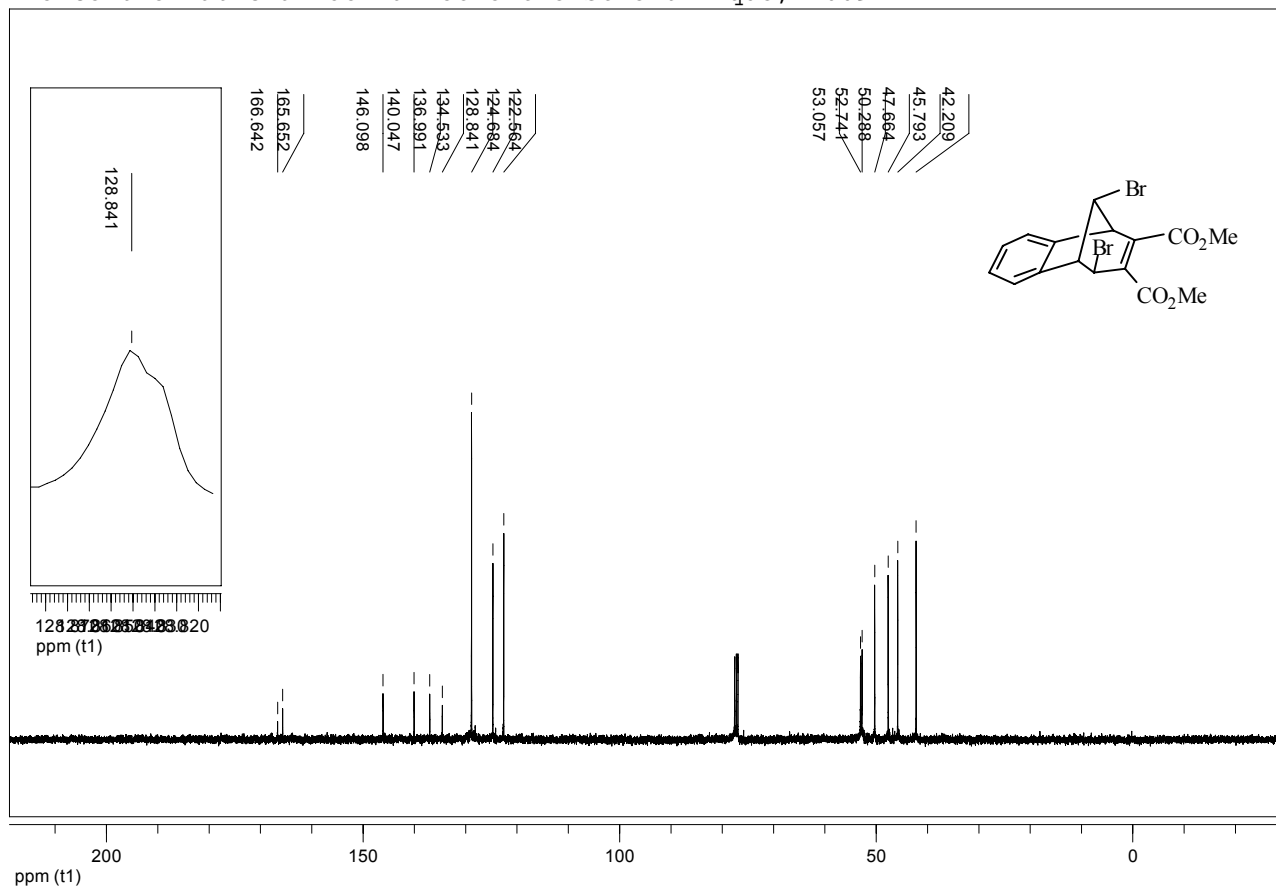
¹³C NMR peaks (ppm):

- 42.935
- 54.256
- 57.923
- 59.897
- 113.100
- 114.889
- 126.421
- 126.762
- 129.931
- 130.919
- 131.901
- 133.102
- 134.058
- 135.726

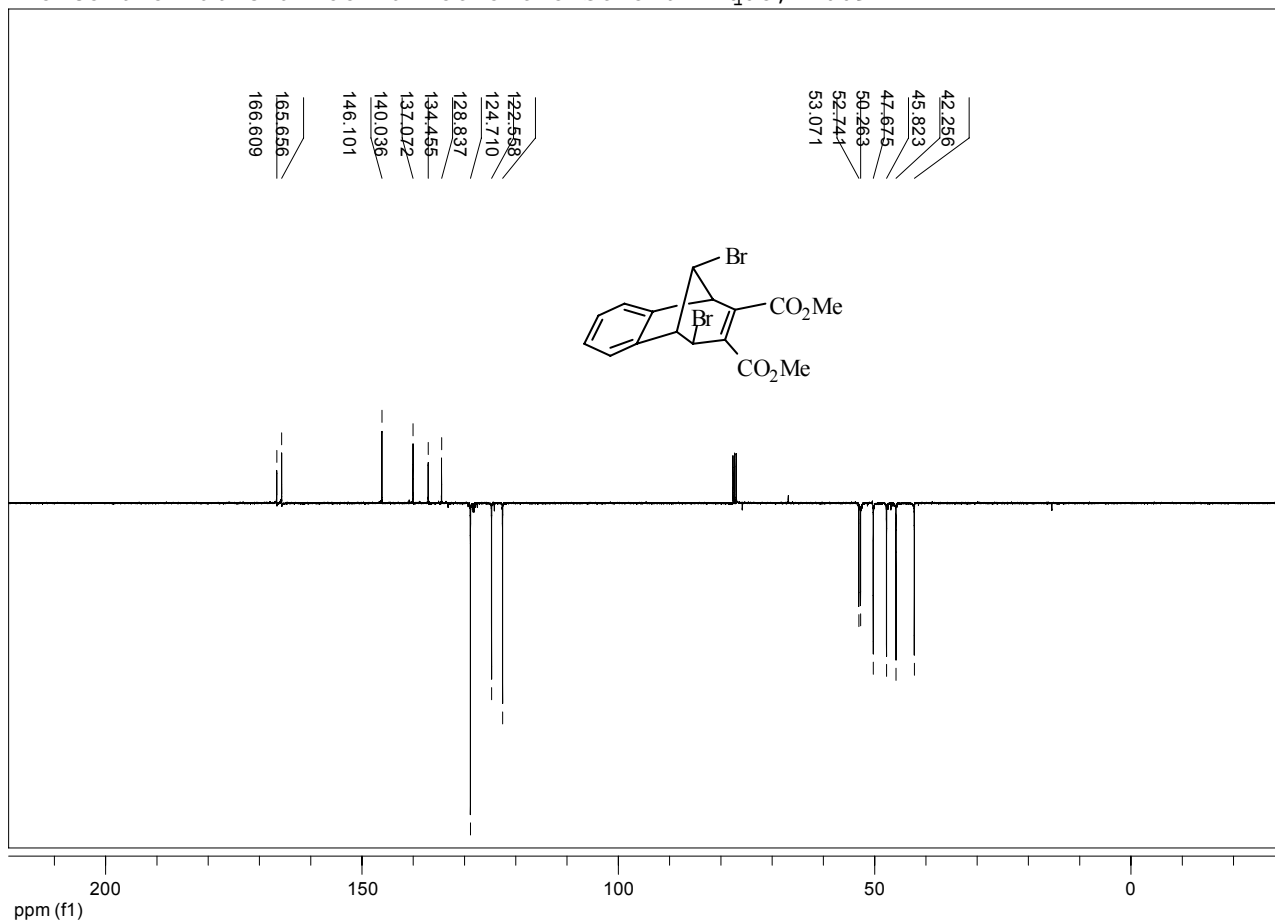
14



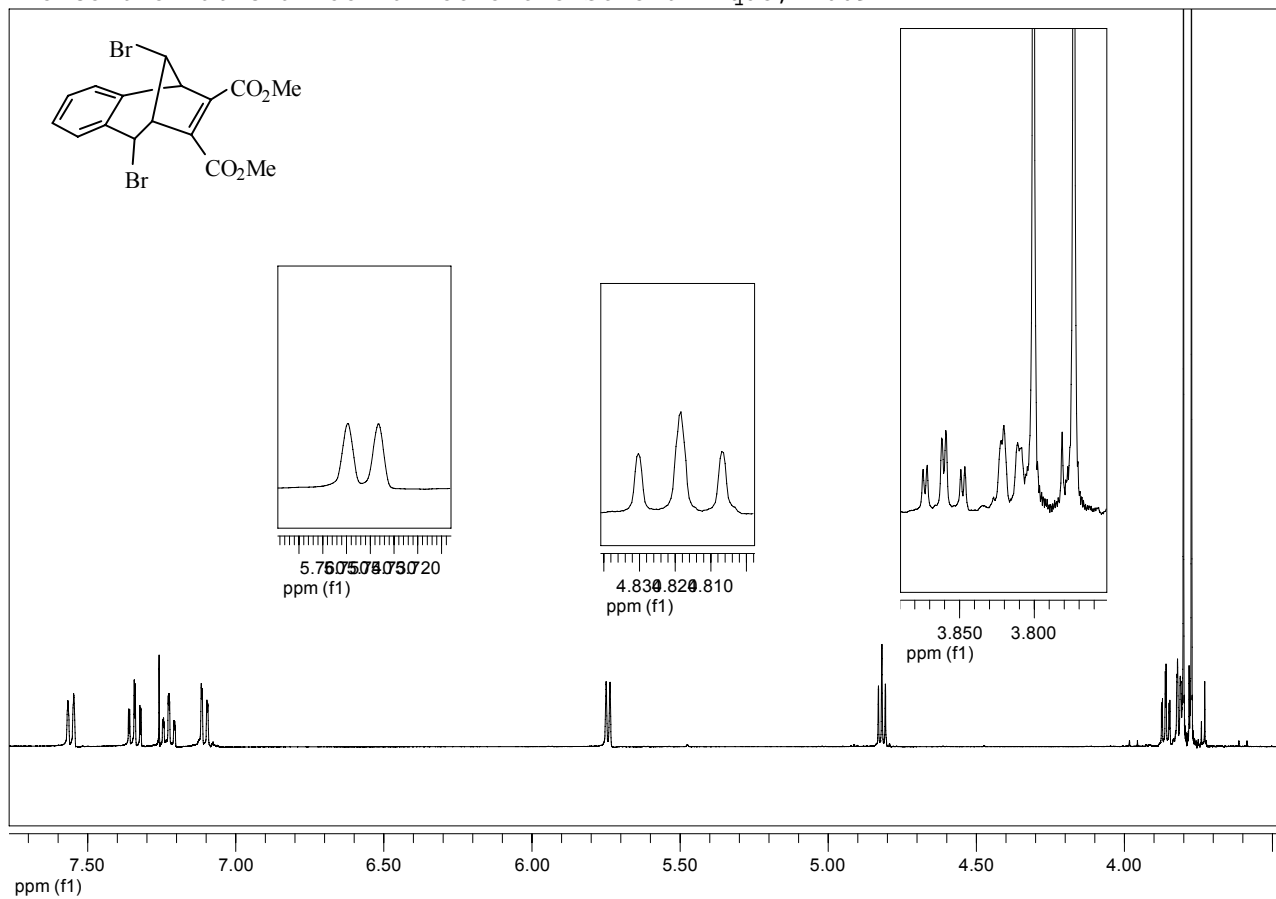
400 MHz ¹H-NMR spectrum of compound **8**.



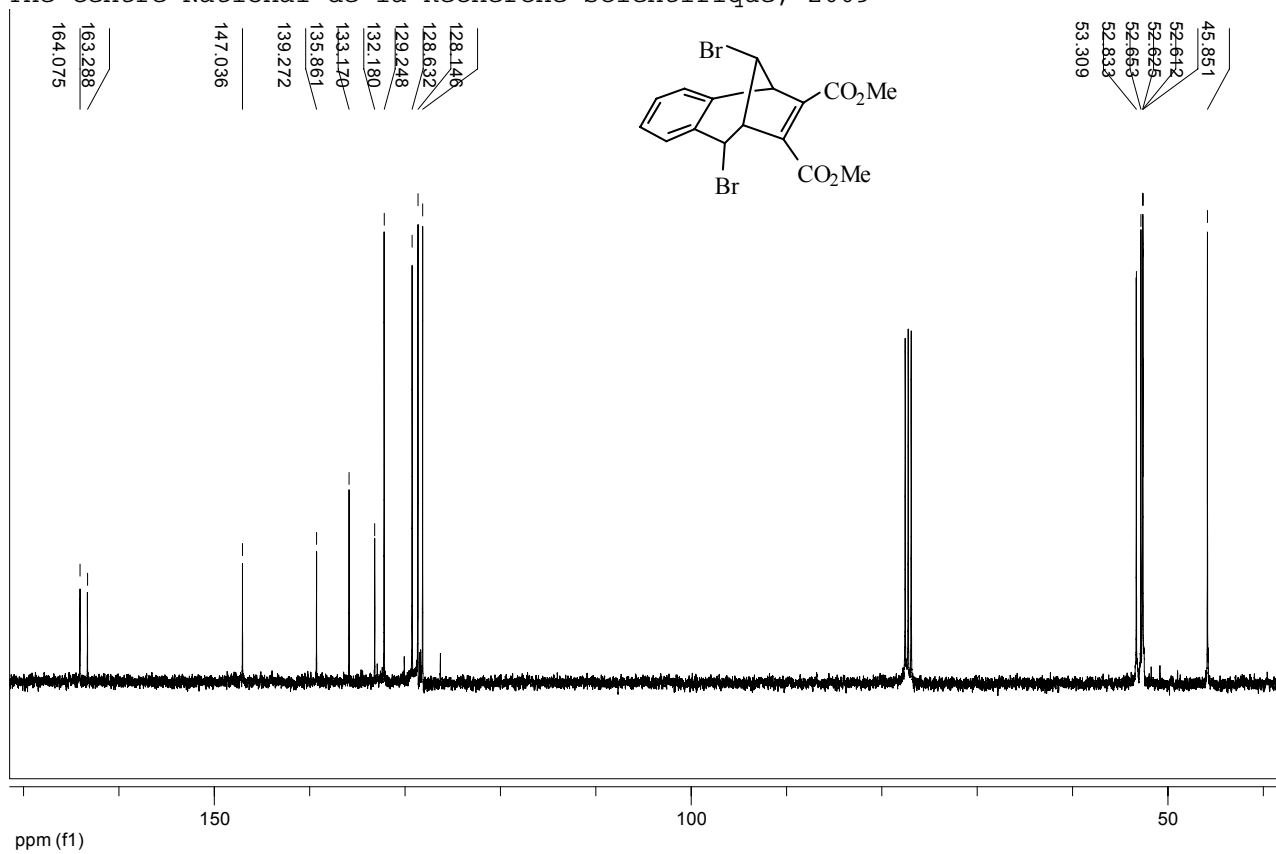
100 MHz ^{13}C -NMR spectrum of compound 8.



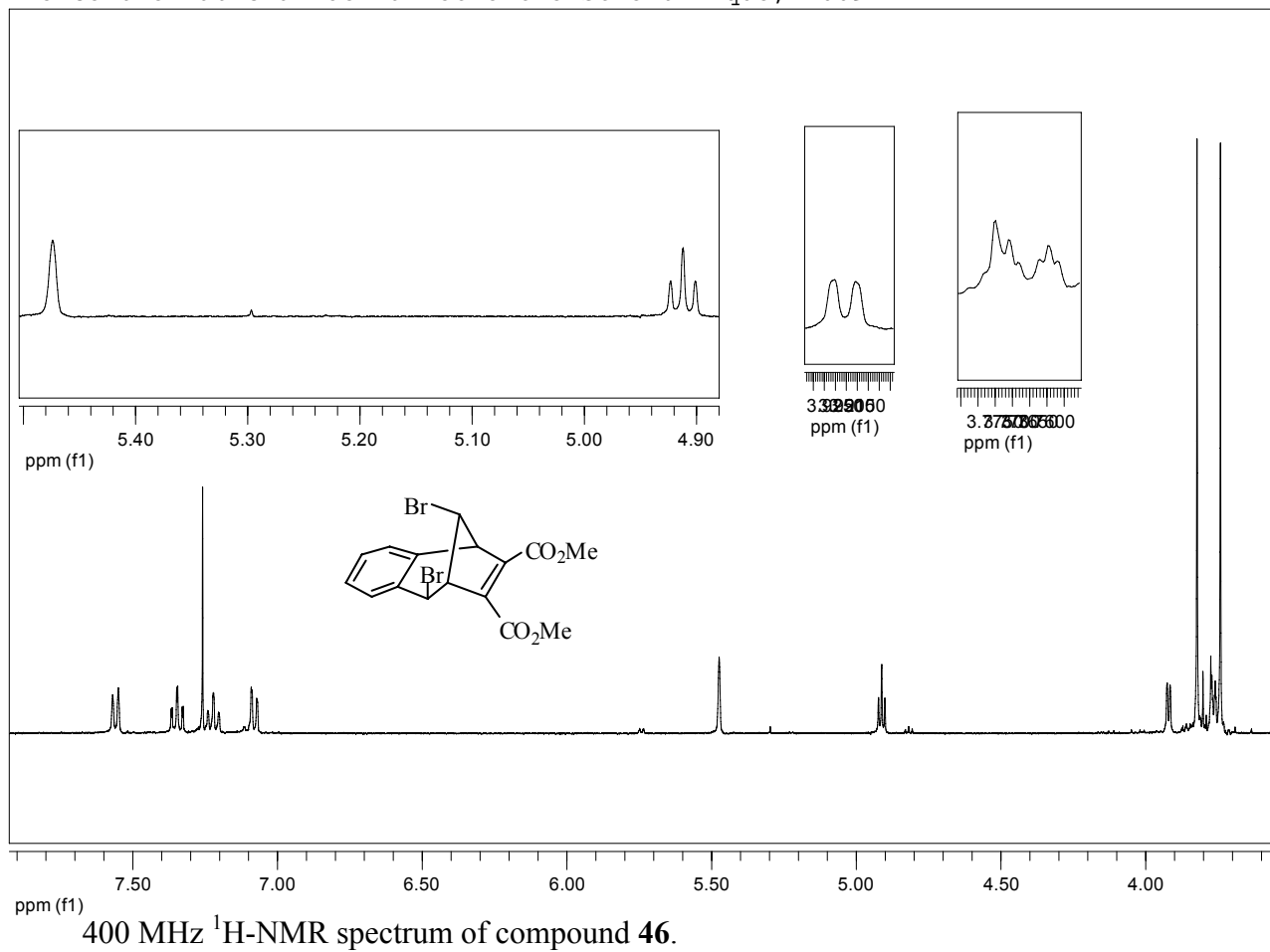
100 MHz ¹³C APT NMR spectrum of compound **8**.

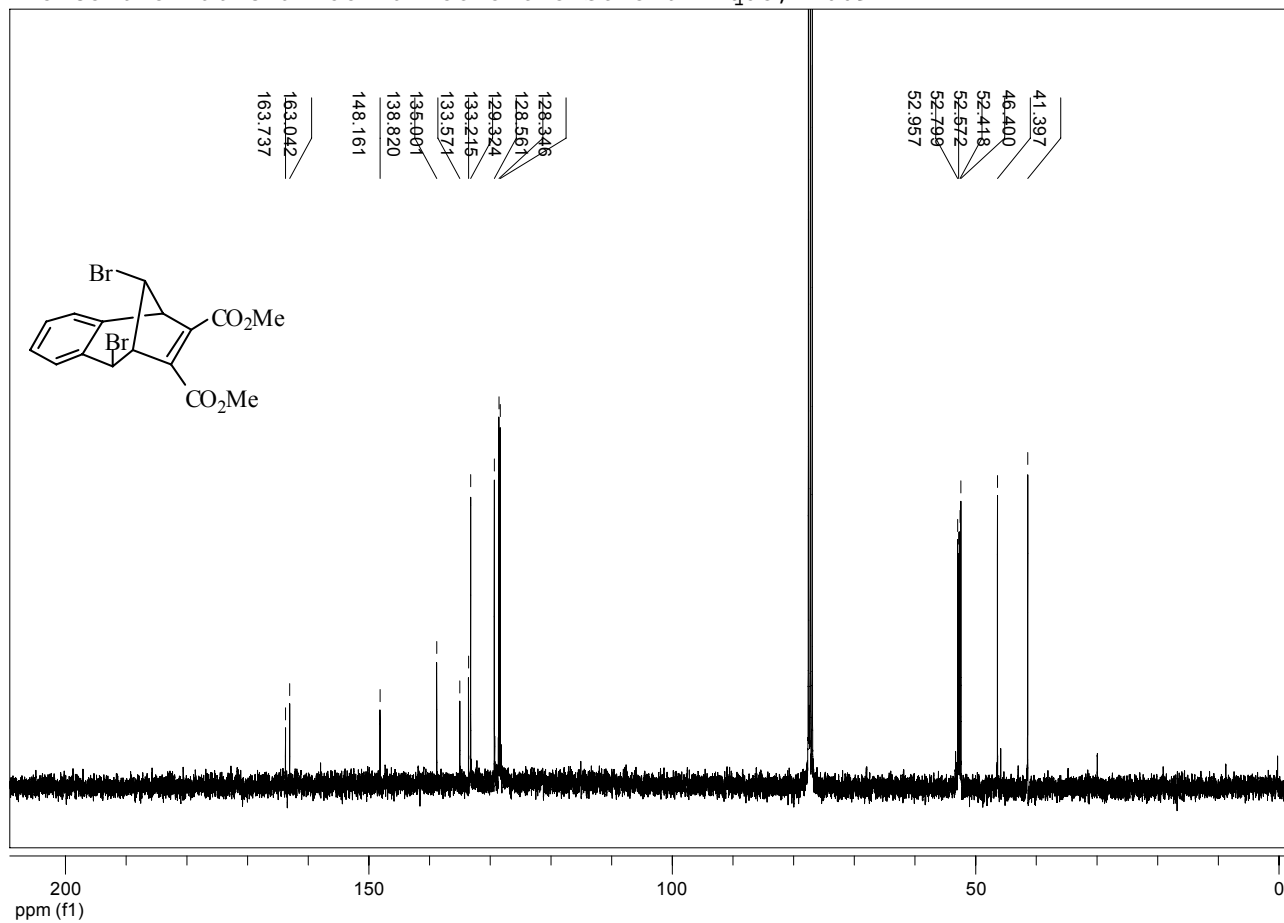


400 MHz ¹H-NMR spectrum of compound **45**.

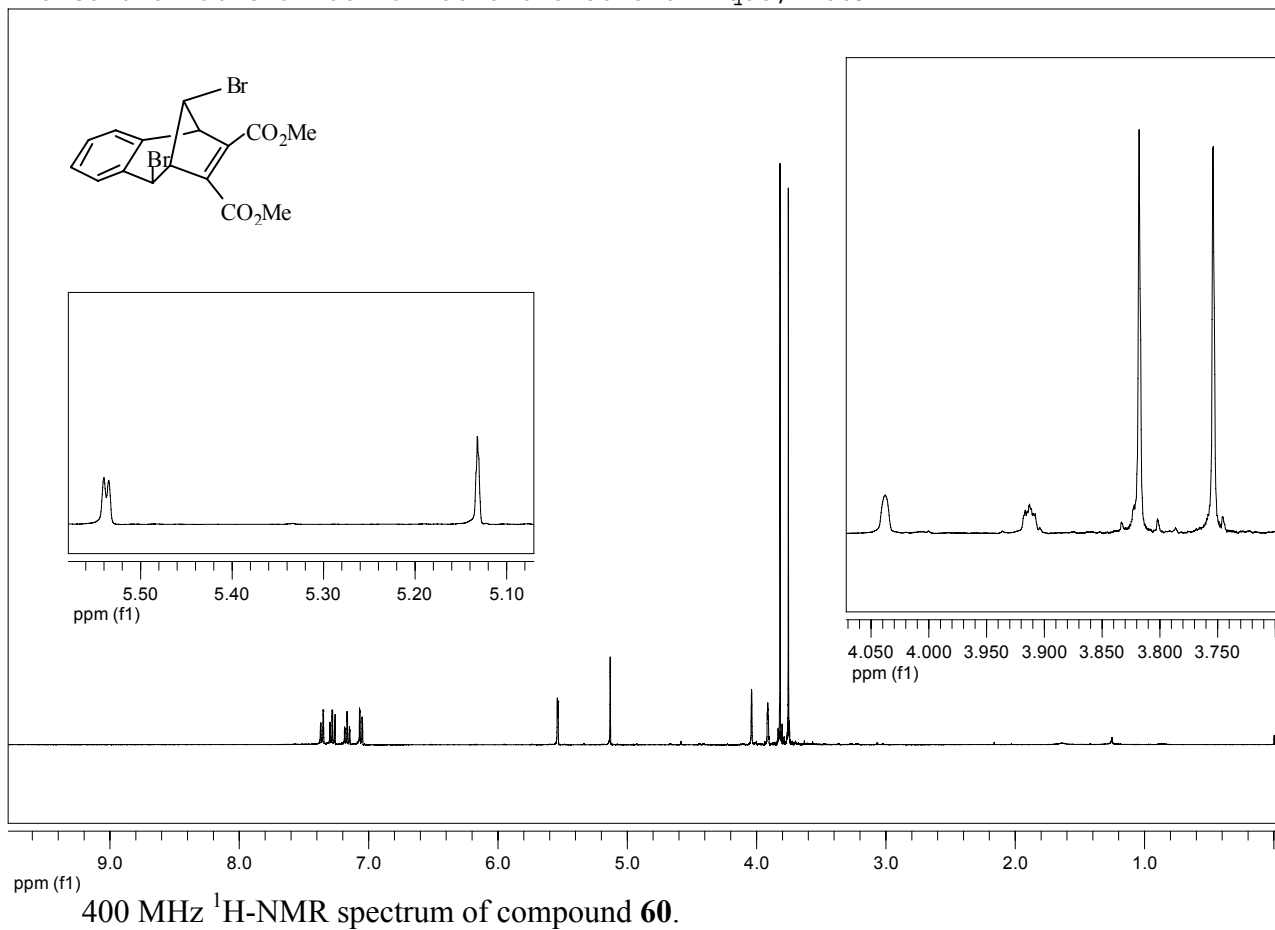


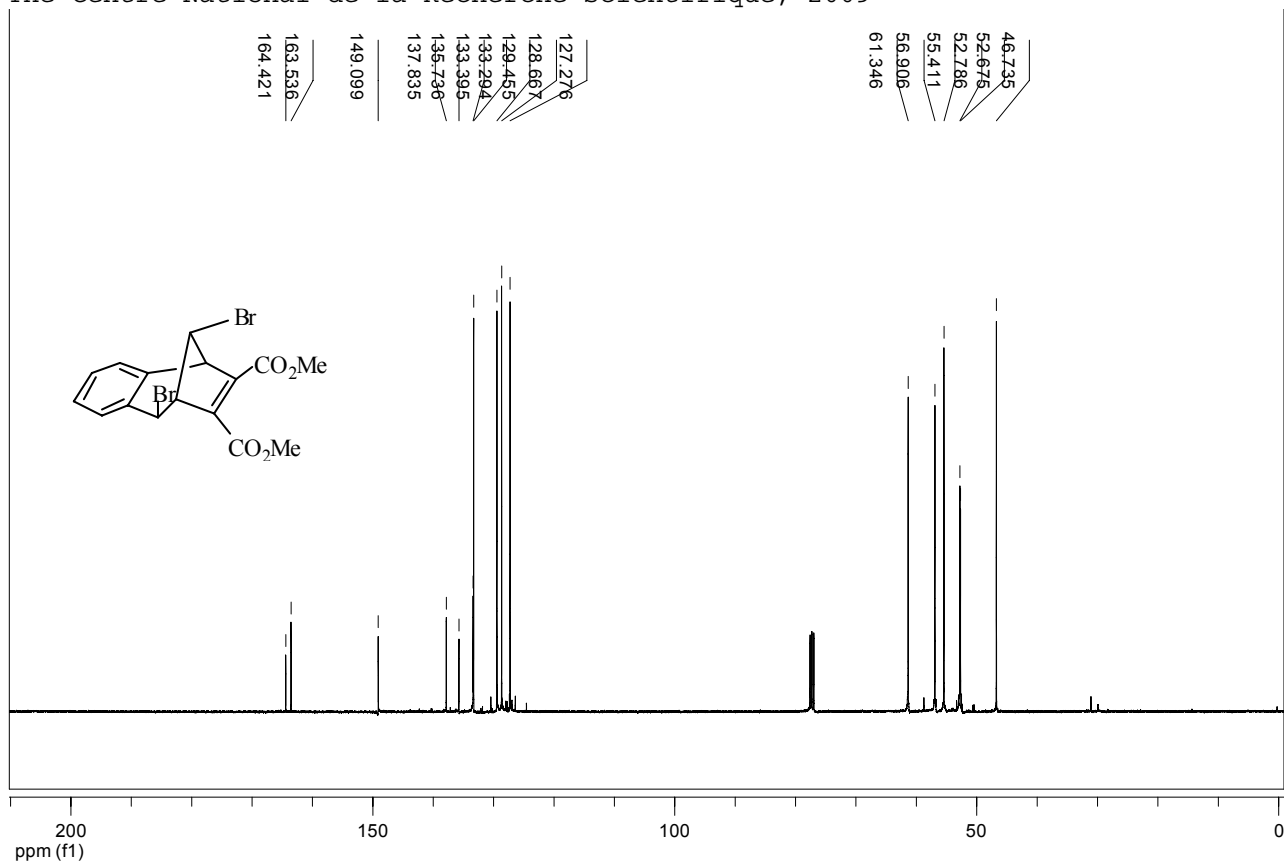
100 MHz ^{13}C -NMR spectrum of compound 45.





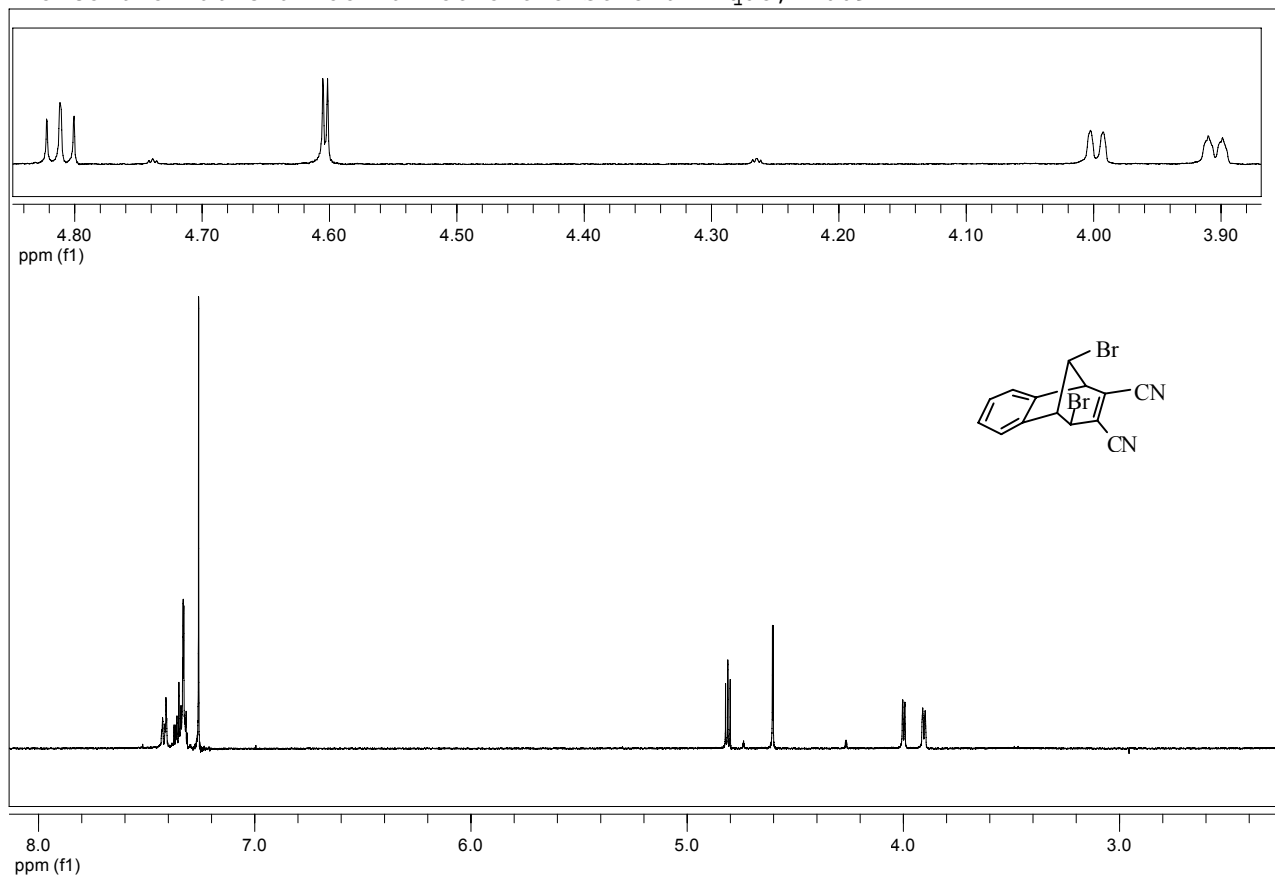
100 MHz ¹³C-NMR spectrum of compound **46**.



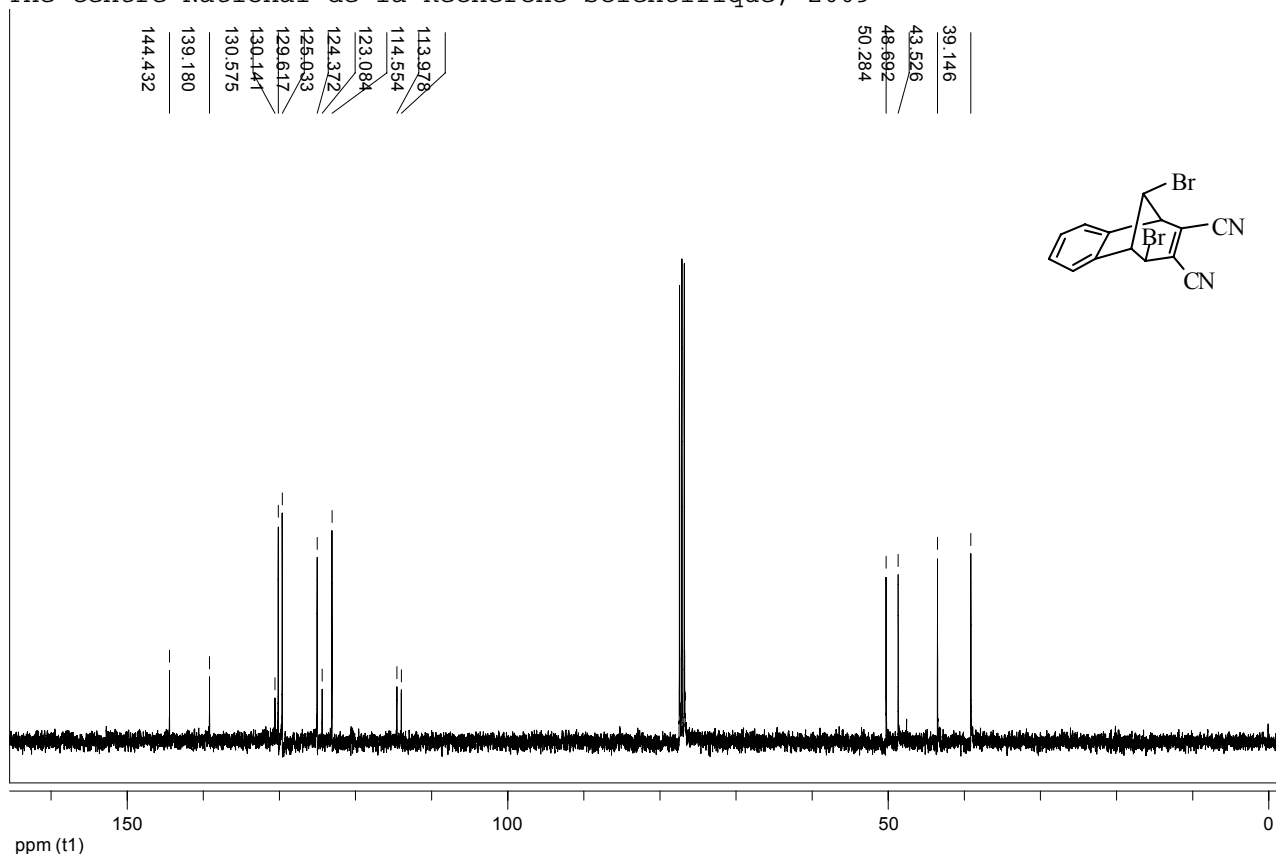


100 MHz ^{13}C -NMR spectrum of compound **60**.

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400 MHz ^1H -NMR spectrum of compound **9**.



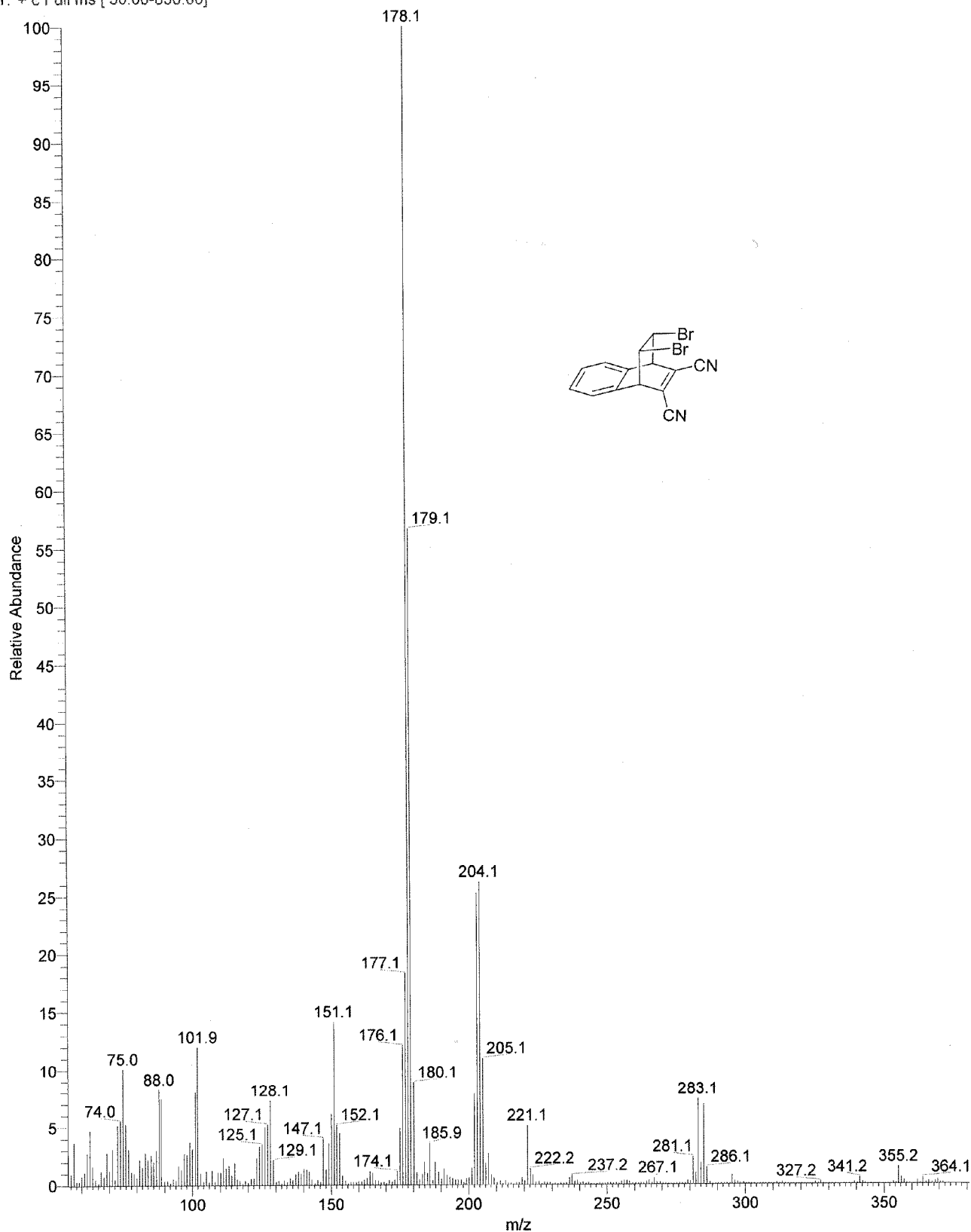
100 MHz ^{13}C -NMR spectrum of compound 9.

Mass spectra of compound 10.

C:\Xcalibur\data\hklilic\STAS-11

04/02/2009 01:21:36 PM

STAS-11 #154 RT: 4.21 AV: 1 NL: 6.33E7
T: +c Full ms [50.00-850.00]

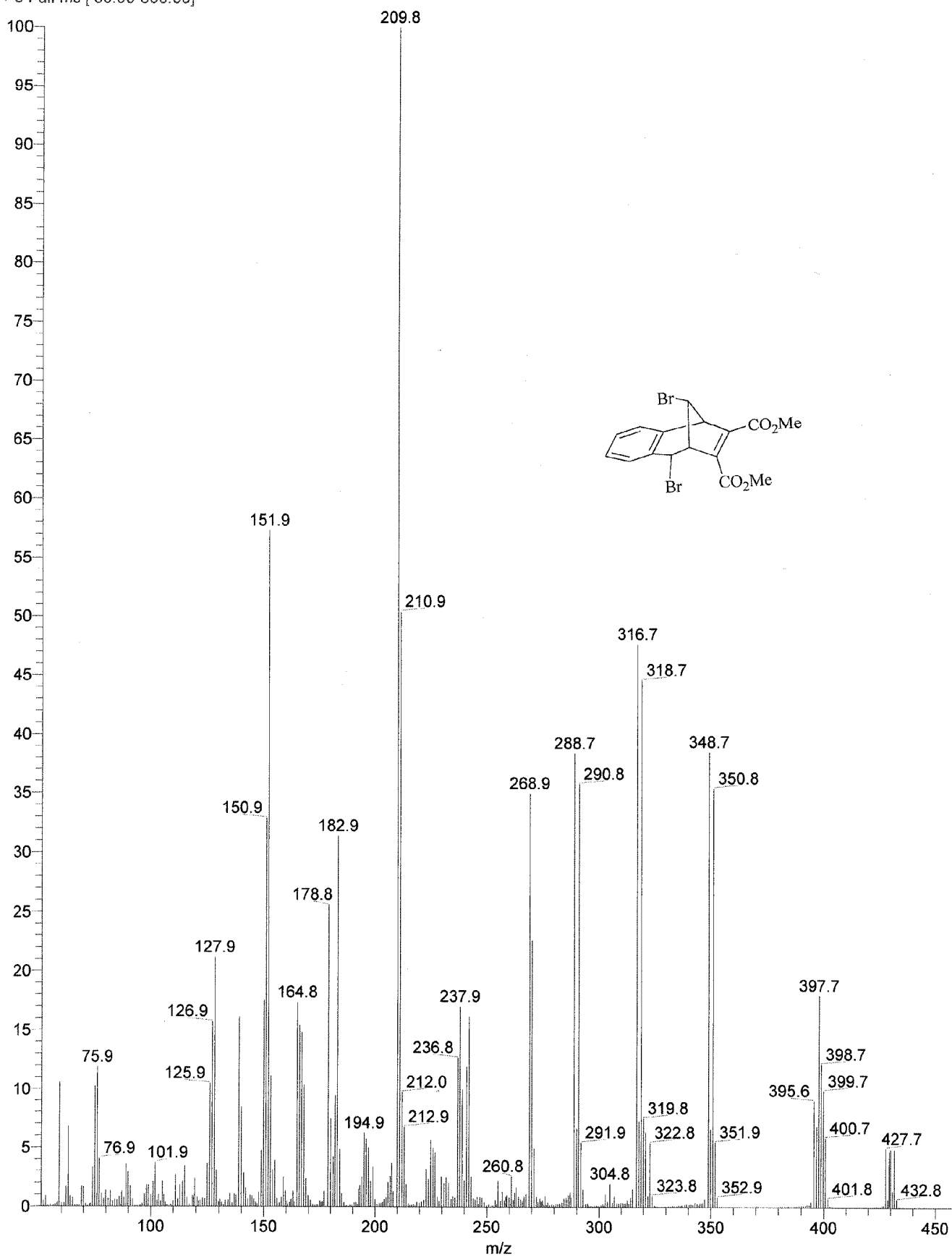


Mass spectra of compound 11.

Xcalibur\data\hkili \ara-6

11/08/2008 01:05:40 AM

ara-6 #2946 RT: 60.57 AV: 1 NL: 8.09E6
+ c Full ms [50.00-600.00]

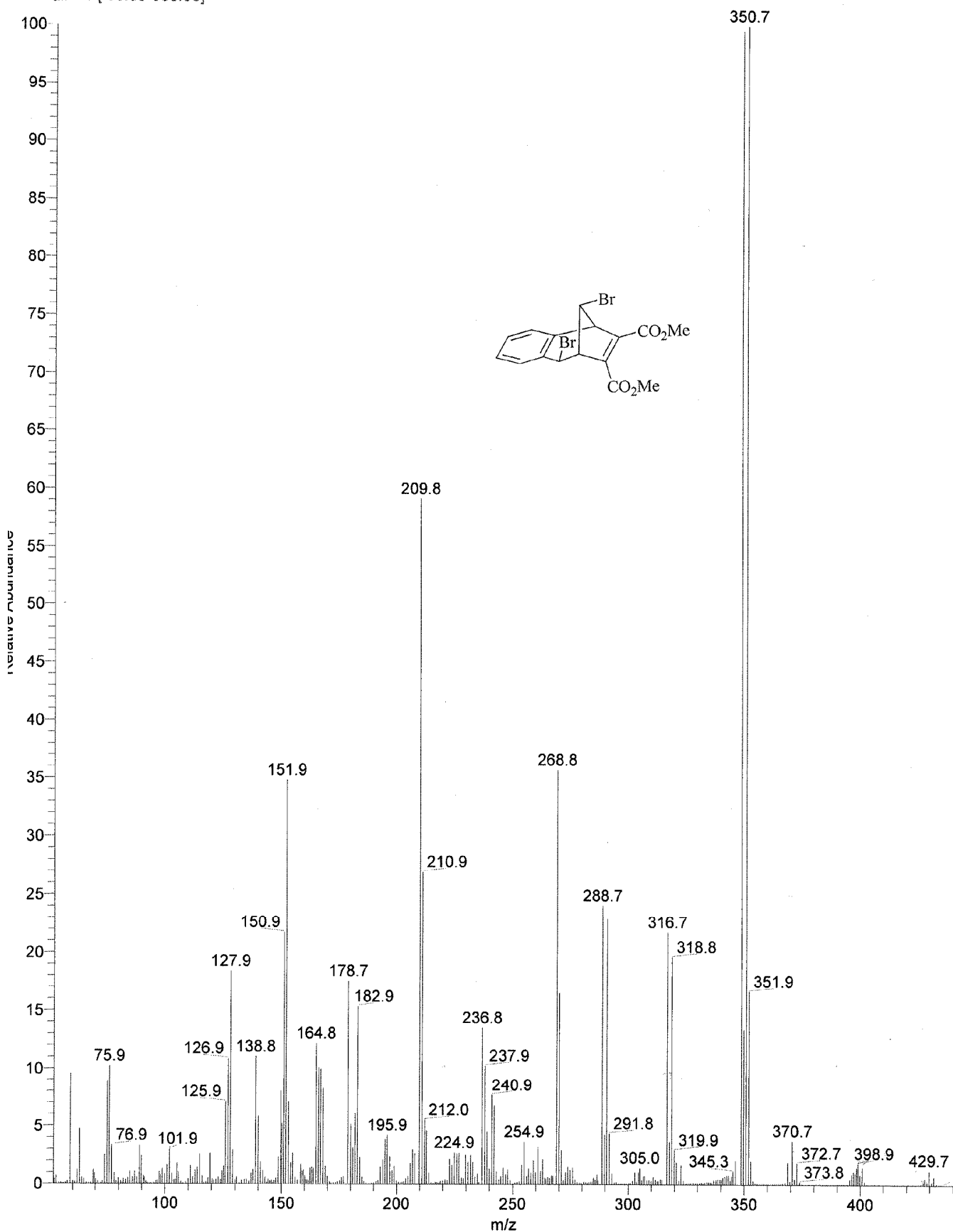


Mass spectra of compound 45.

\\Xcalibur\data\hklilic\Sara-7

11/08/2008 02:30:57 AM

ara-7 #3040 RT: 62.32 AV: 1 NL: 1.47E7
 + c Full ms [50.00-600.00]

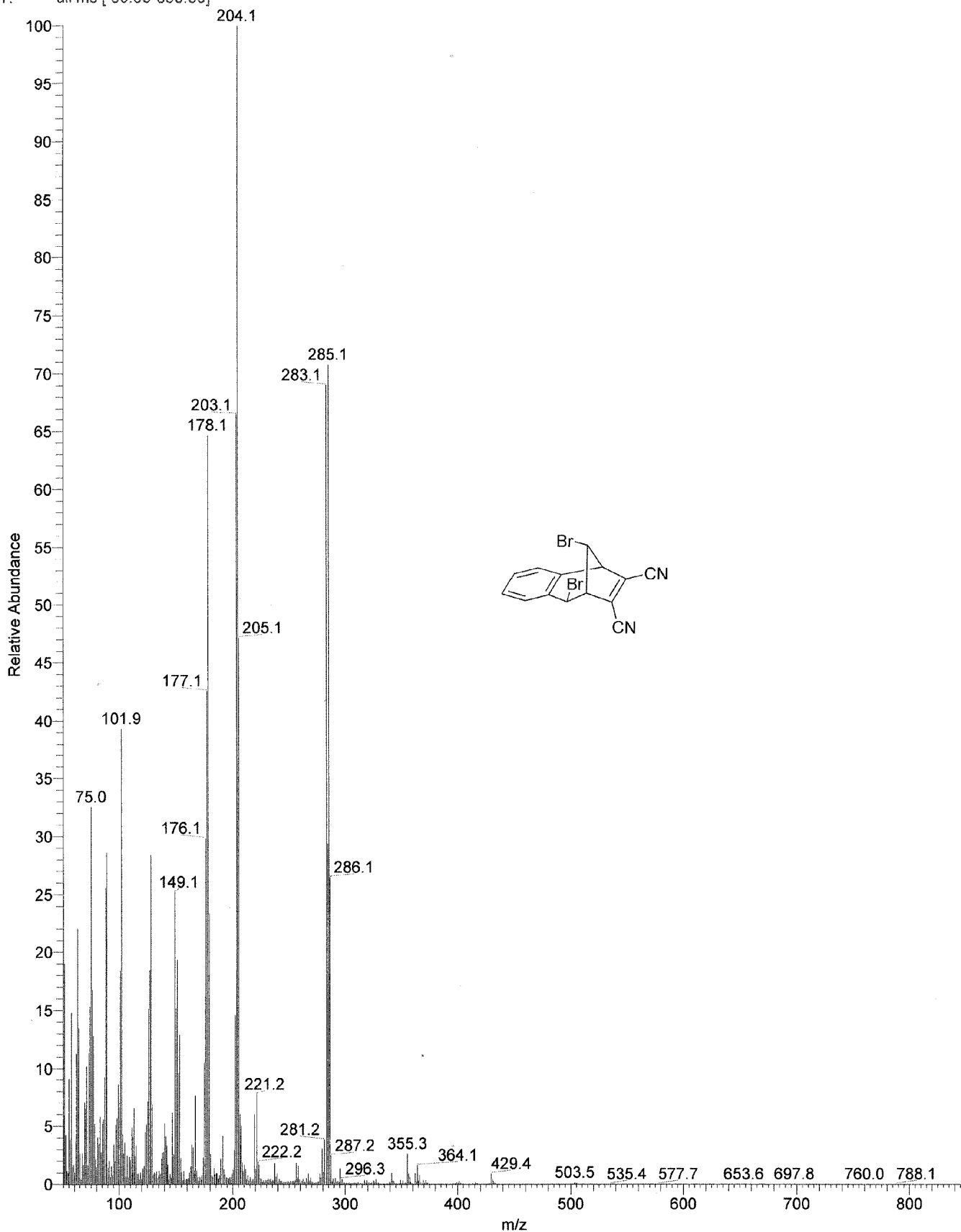


Mass spectra of compound 60.

C:\Xcalibur\data\hklilic\STAS-14

04/02/2009 02:36:51 PM

#99 RT: 2.71 AV: 1 NL: 5.43E7
T: Full ms [50.00-850.00]

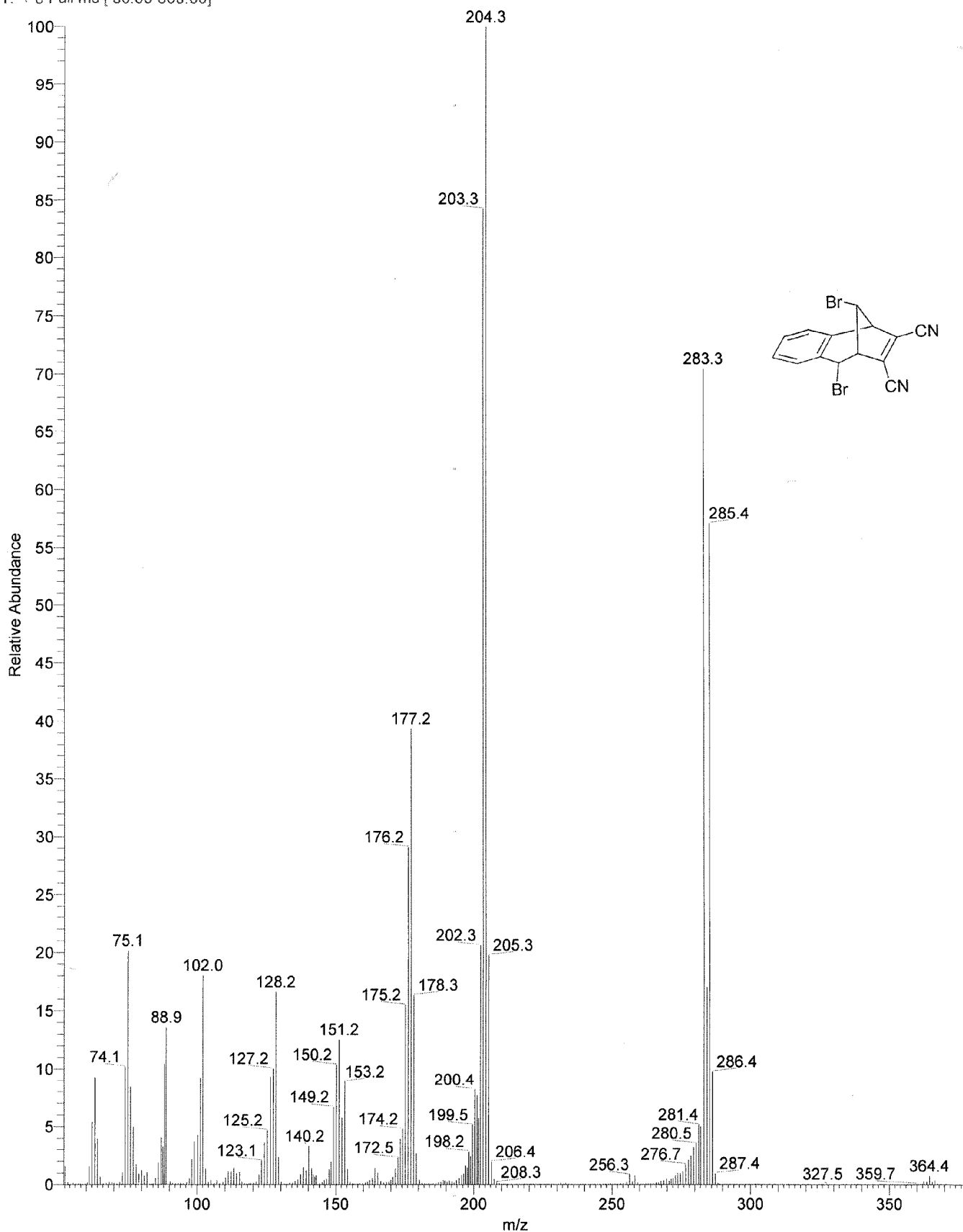


Mass spectra of compound 48.

C:\Xcalibur\data\hklil\c\Sara-2

01/22/2008 03:18:47 AM

Sara-2 #2919 RT: 58.05 AV: 1 NL: 5.22E6
T: +c Full ms [50.00-600.00]

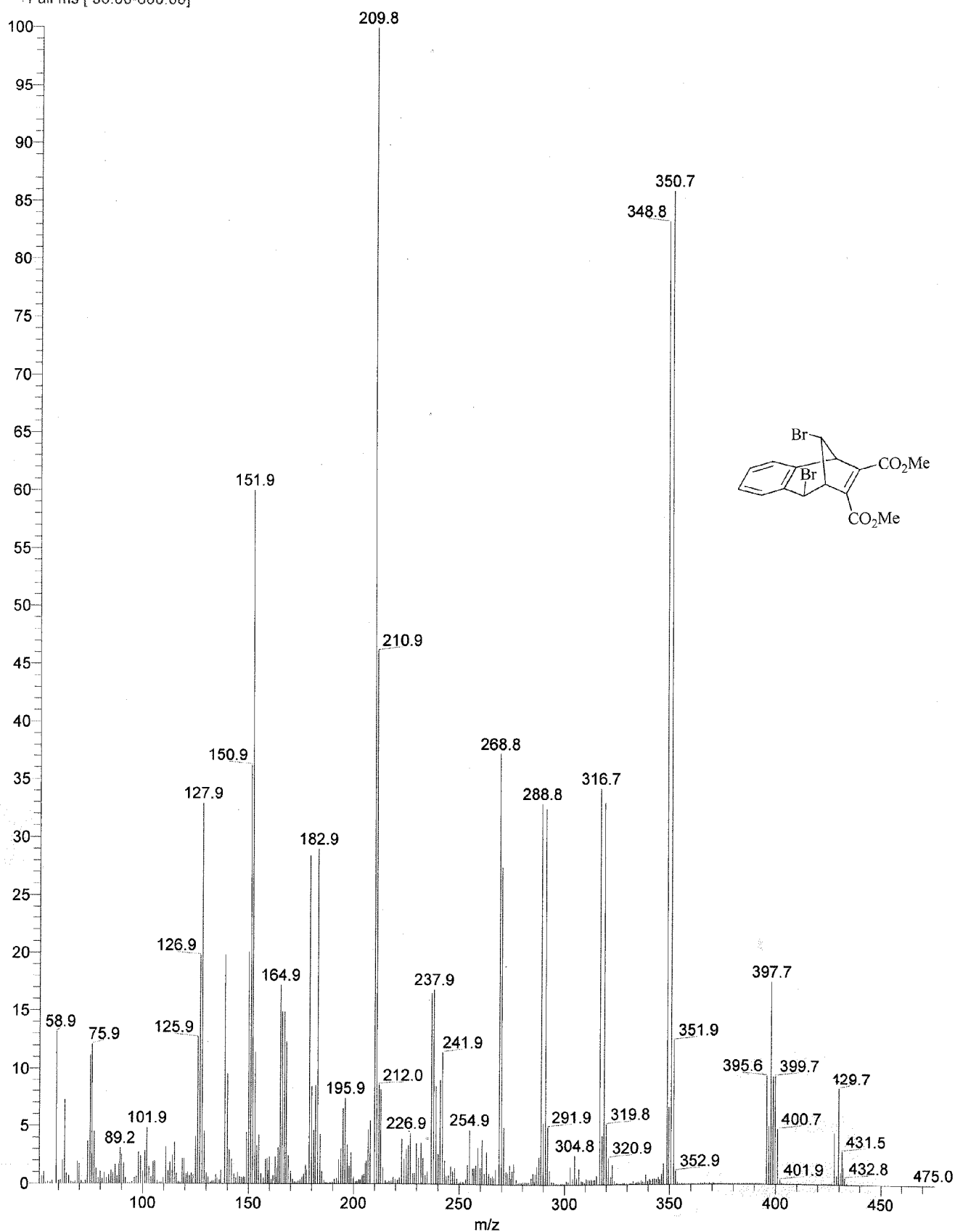


Mass spectra of compound 47.

\Sara-5

11/07/2008 11:40:18 PM

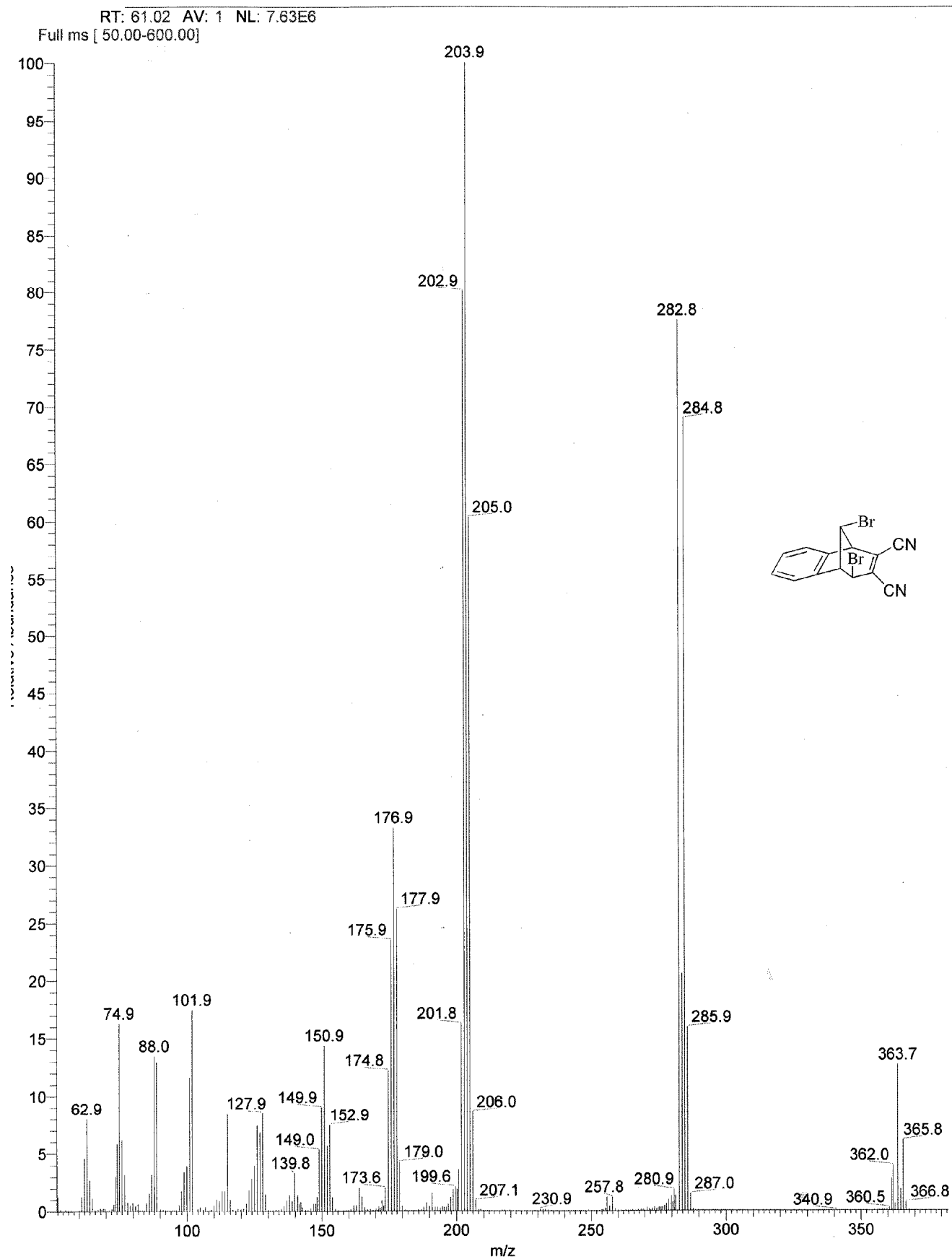
5 #3051 RT: 62.70 AV: 1 NL: 4.70E6
Full ms [50.00-600.00]



Mass spectra of compound 46.

.Sara-3

11/07/2008 08:49:01 PM



Mass spectra of compound 9.