

## Supplementary material

# 2-Chloro-3-cyano-4-nitrobenzyl pyridinium bromide as potent lung cancer molecule from single step solvent free method

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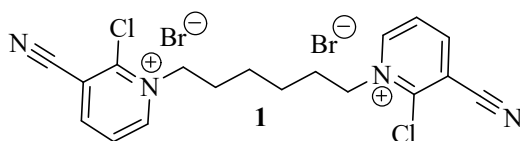
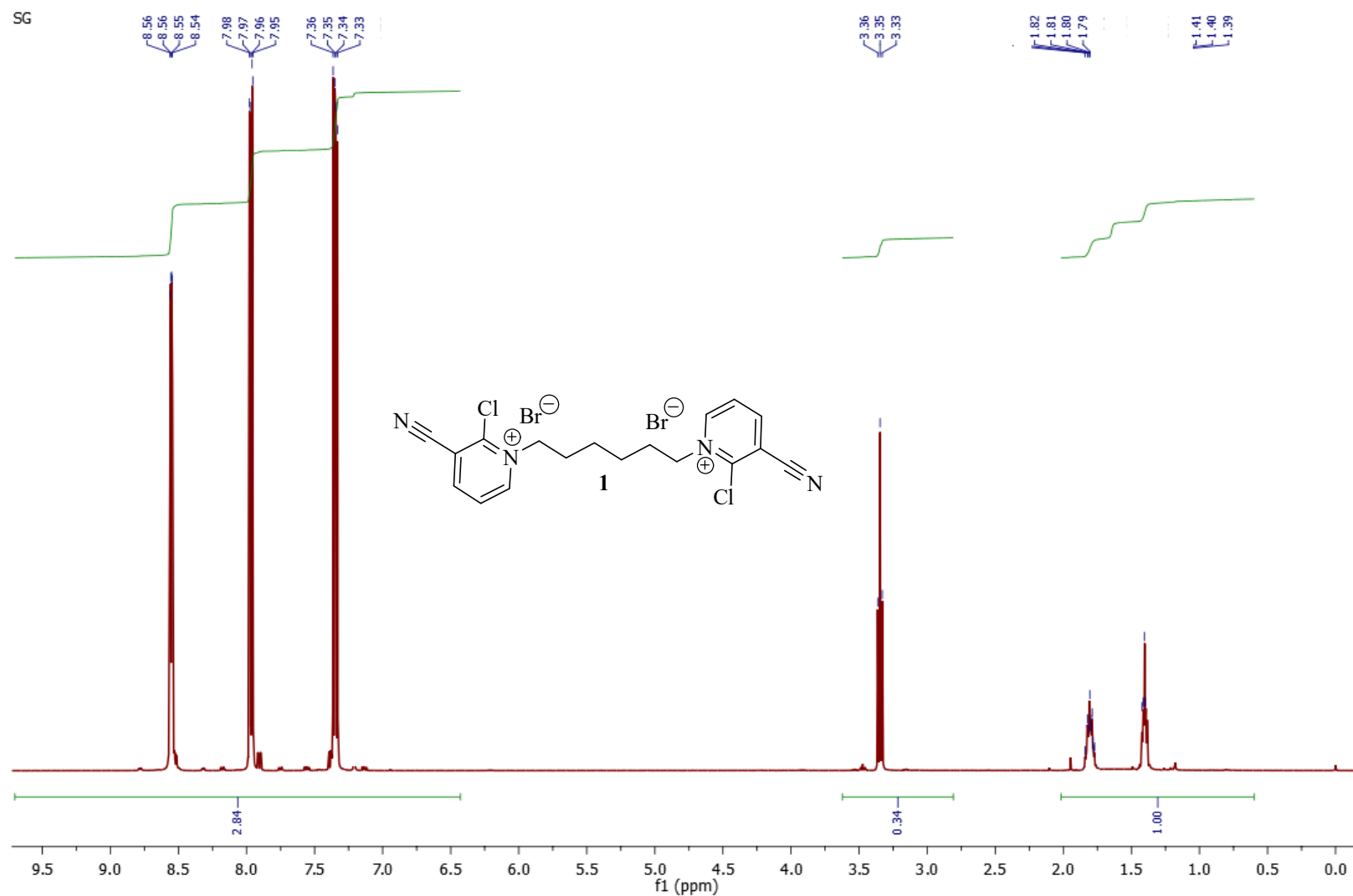
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<sup>e</sup>Department of Family Medicine and Community Medicine, College of Medicine, King Khalid University, Abha, Kingdom of Saudi Arabia.

### SUPPORTING INFORMATION

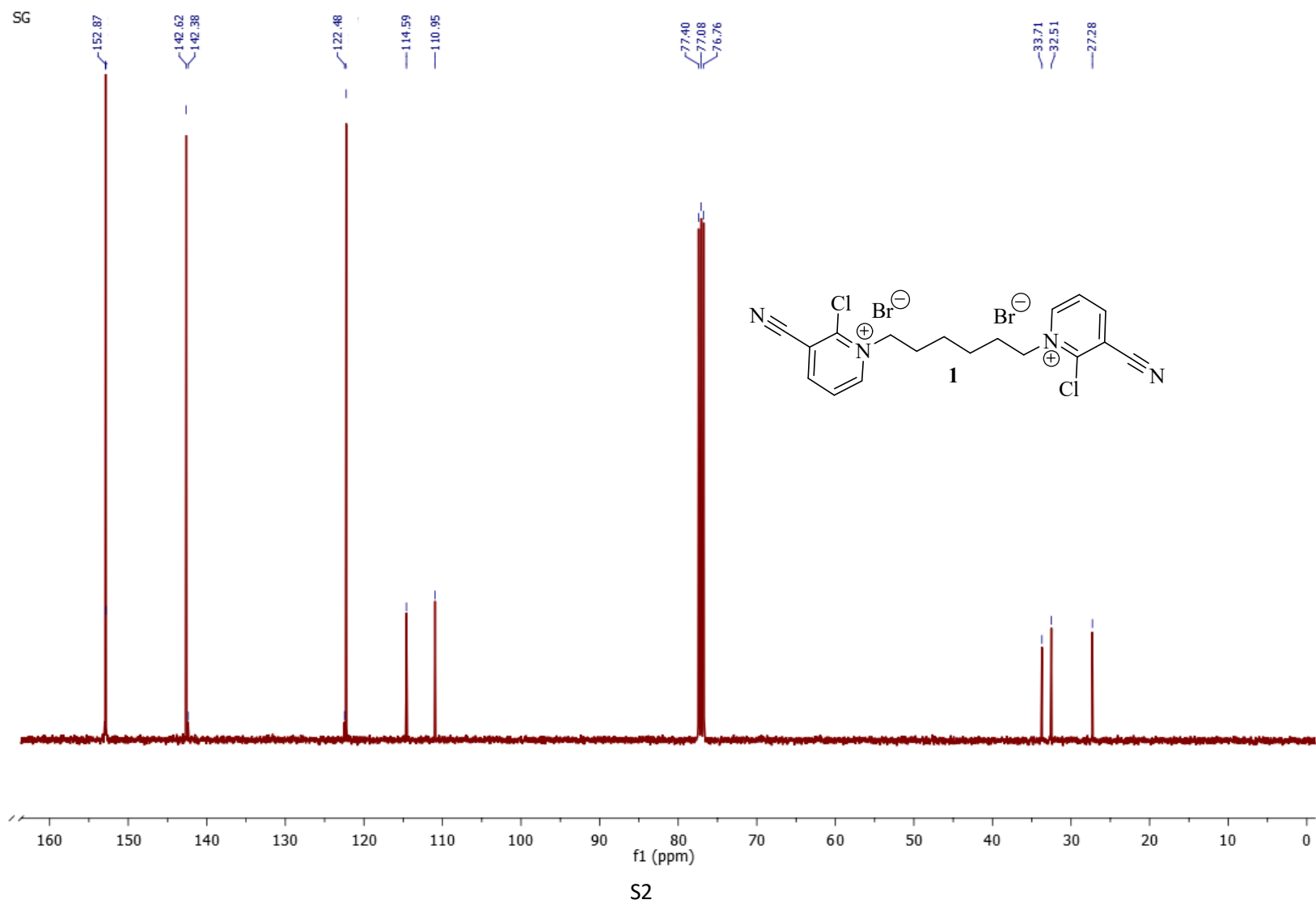
<sup>1</sup> H NMR Spectrum of compound	1	.....	S1
<sup>13</sup> C NMR Spectrum of compound	1	.....	S2
HRMS Spectrum of compound	1	.....	S3
<sup>1</sup> H NMR Spectrum of compound	2	.....	S4
<sup>13</sup> C NMR Spectrum of compound	2	.....	S5
HRMS Spectrum of compound	2	.....	S6
<sup>1</sup> H NMR Spectrum of compound	3	.....	S7
<sup>13</sup> C NMR Spectrum of compound	3	.....	S8
HRMS Spectrum of compound	3	.....	S9
<sup>1</sup> H NMR Spectrum of compound	4	.....	S10
<sup>13</sup> C NMR Spectrum of compound	4	.....	S11
HRMS Spectrum of compound	4	.....	S12
<sup>1</sup> H NMR Spectrum of compound	5	.....	S13
<sup>13</sup> C NMR Spectrum of compound	5	.....	S14
HRMS Spectrum of compound	5	.....	S15

<sup>1</sup>HNMR spectrum of 1,1'-(hexane-1,6-diyl)bis(2-chloro-3-cyano)pyridin-1-ium bromide **1**

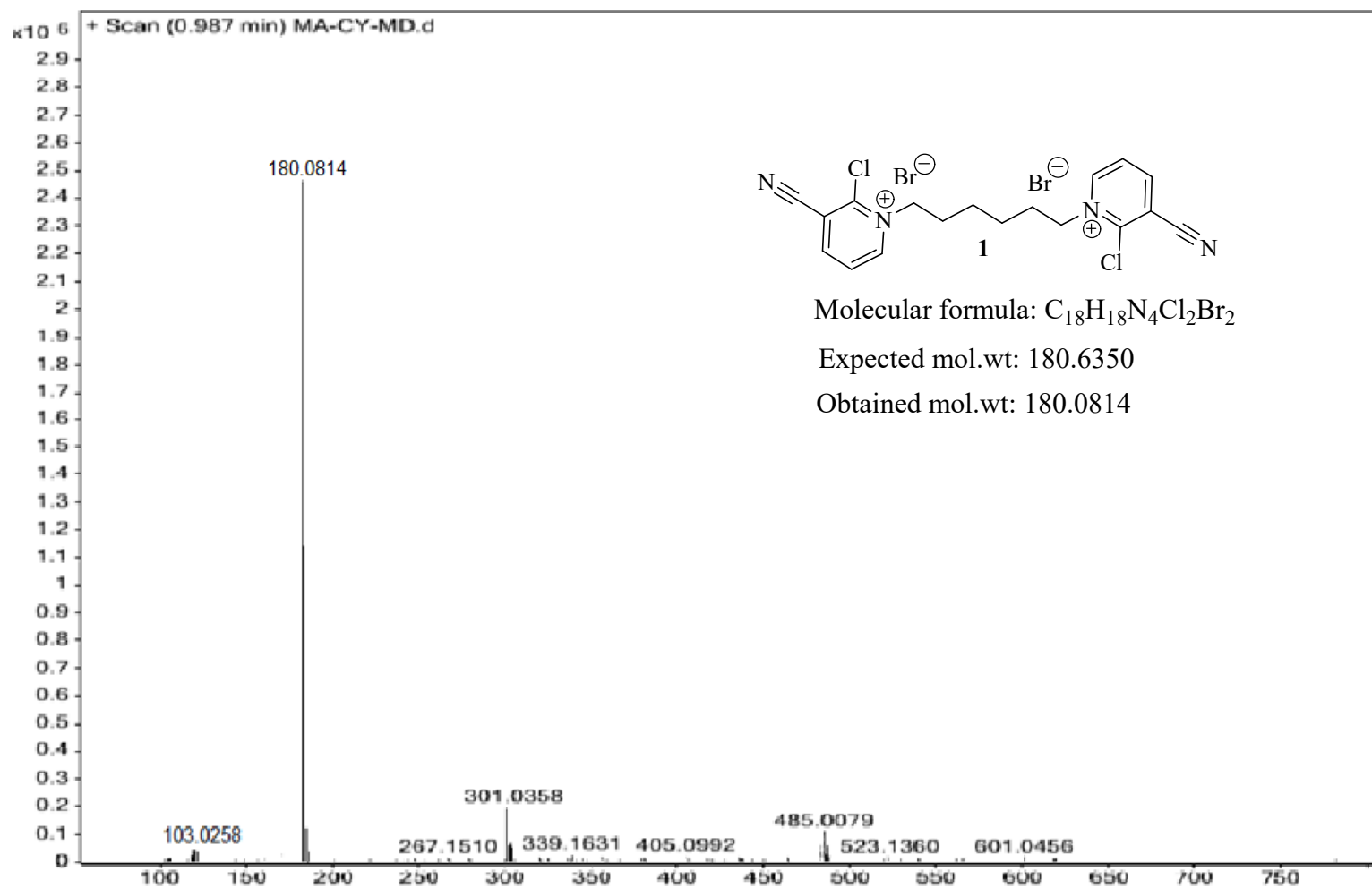


S1

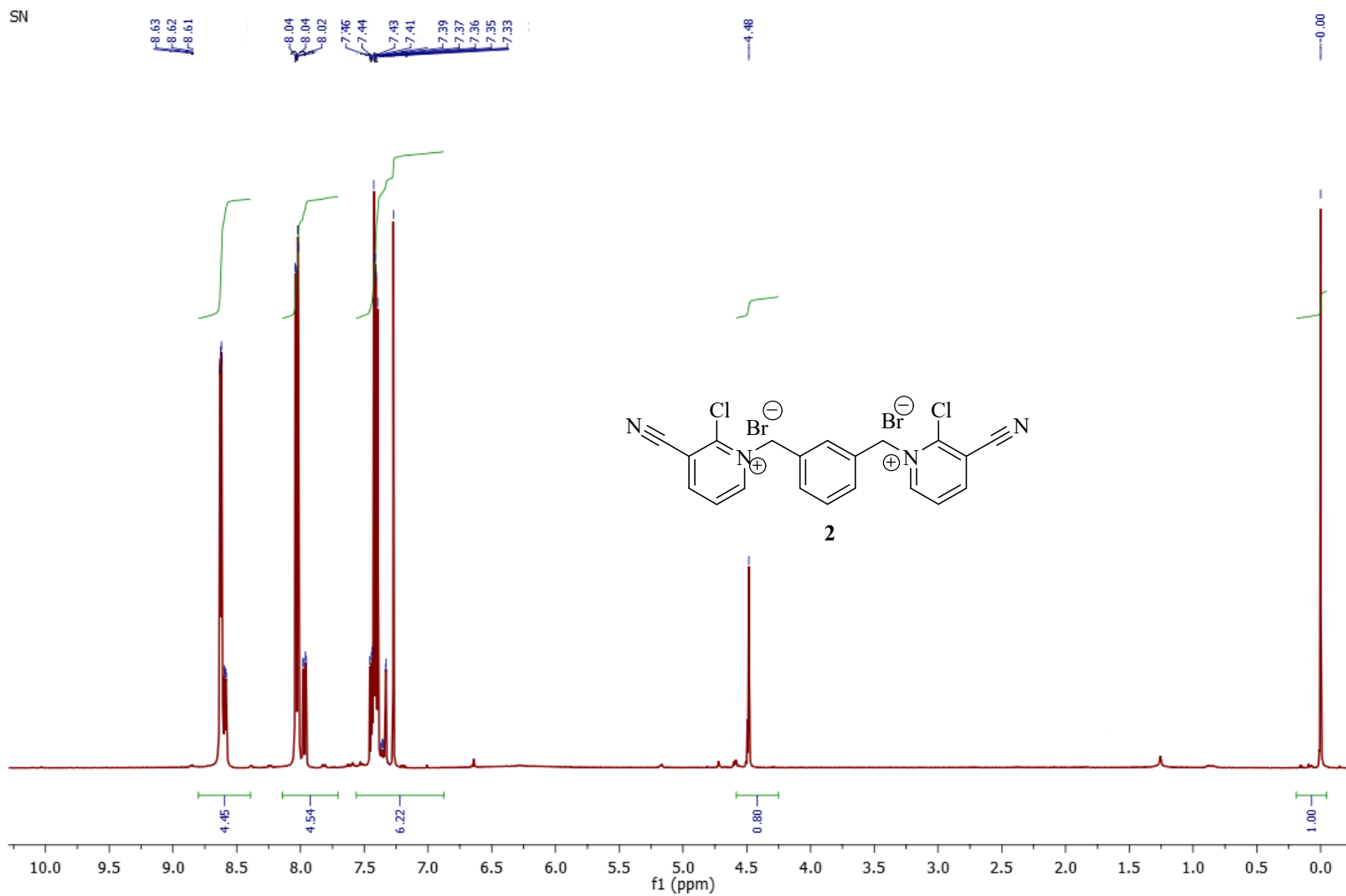
$^{13}\text{C}$ NMR spectrum of 1.1'-(hexane-1,6-diyl)bis(2-chloro-3-cyano)pyridin-1-ium bromide **1**



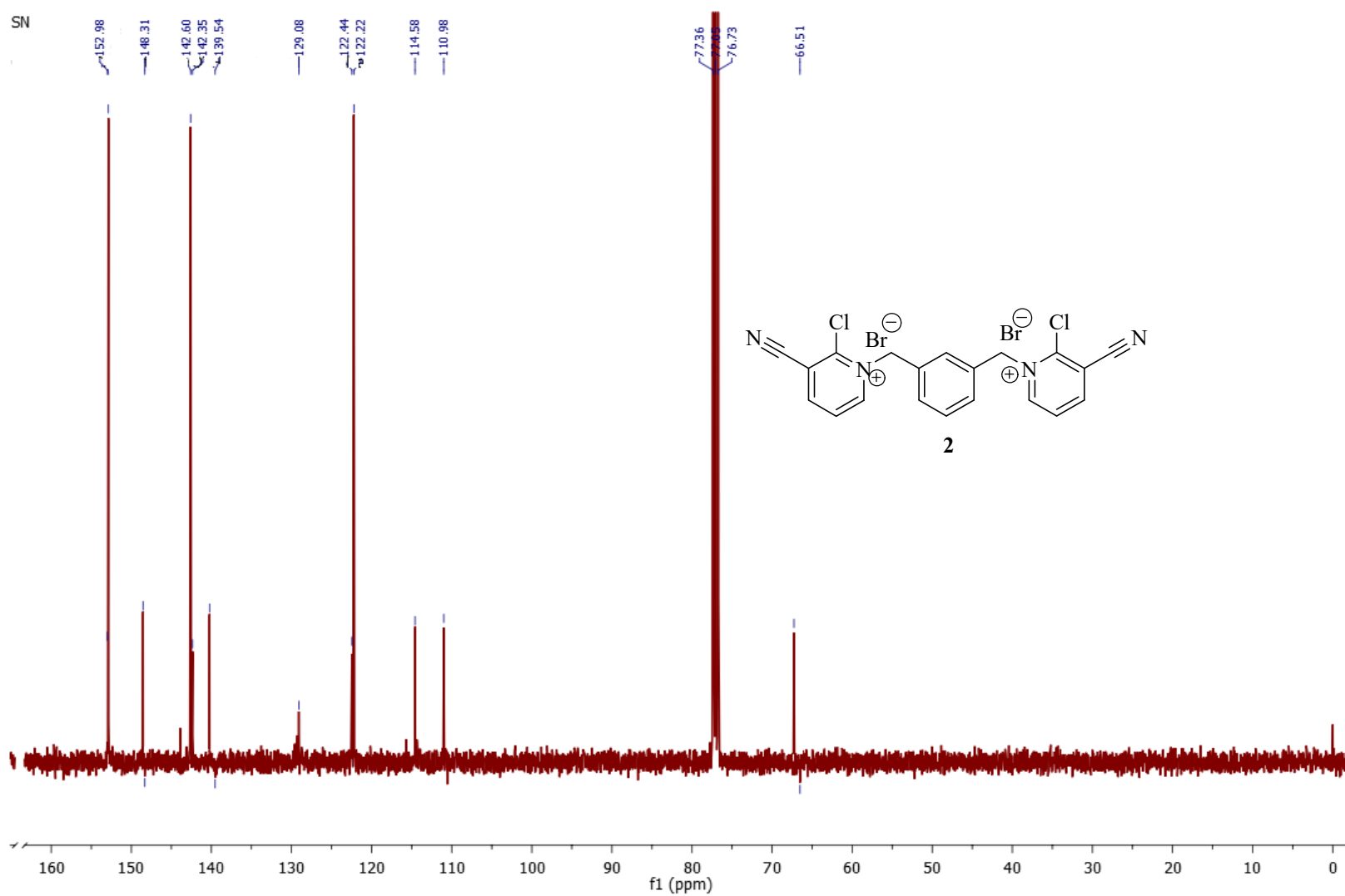
HRMS spectrum of 1,1'-(hexane-1,6-diyl)bis(2-chloro-3-cyano)pyridin-1-ium bromide **1**



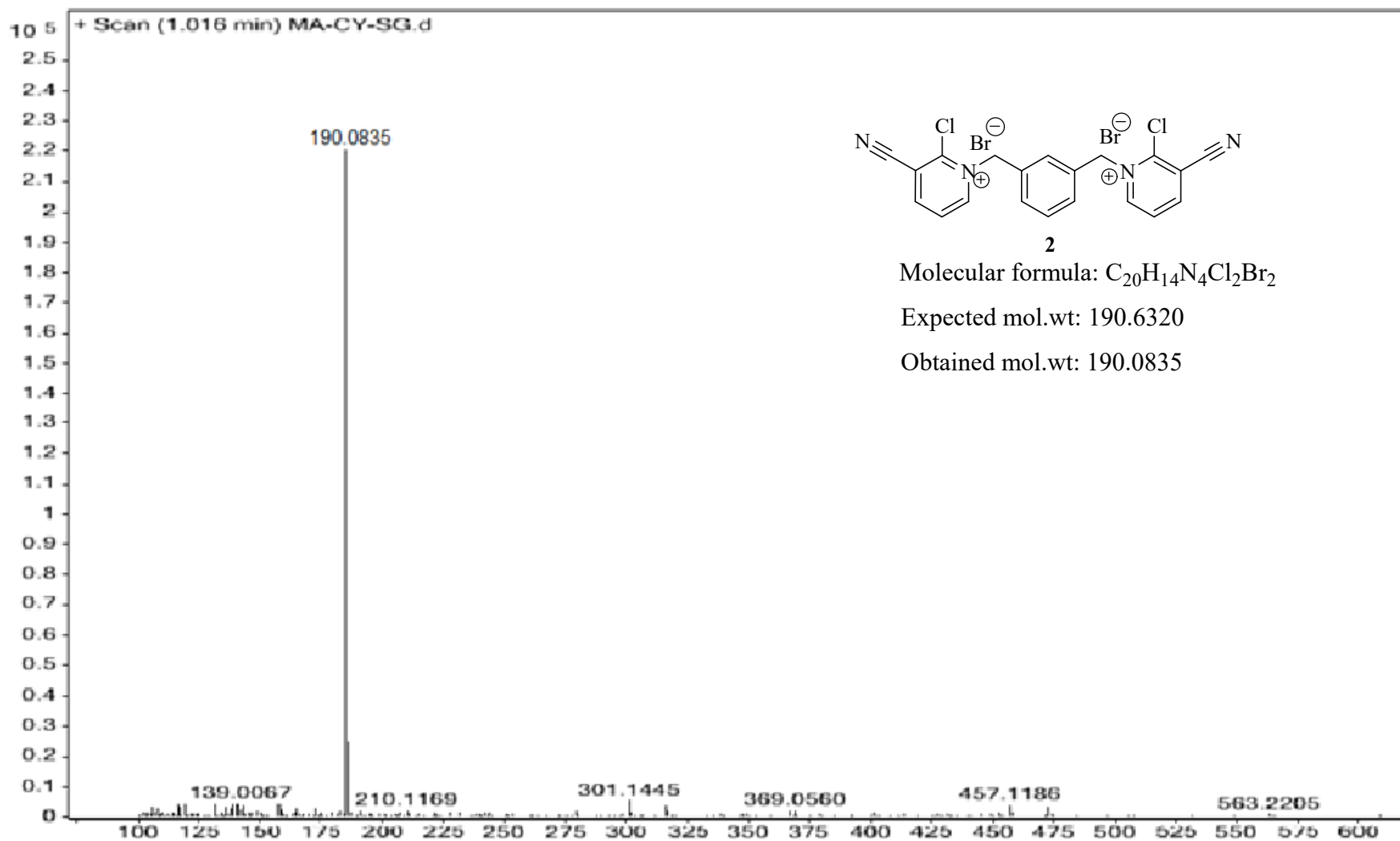
<sup>1</sup>HNMR spectrum of 1,1'-(1,3-phenylenebis(methylene))bis(2-chloro-3-cyano)pyridin-1-ium bromide **2**



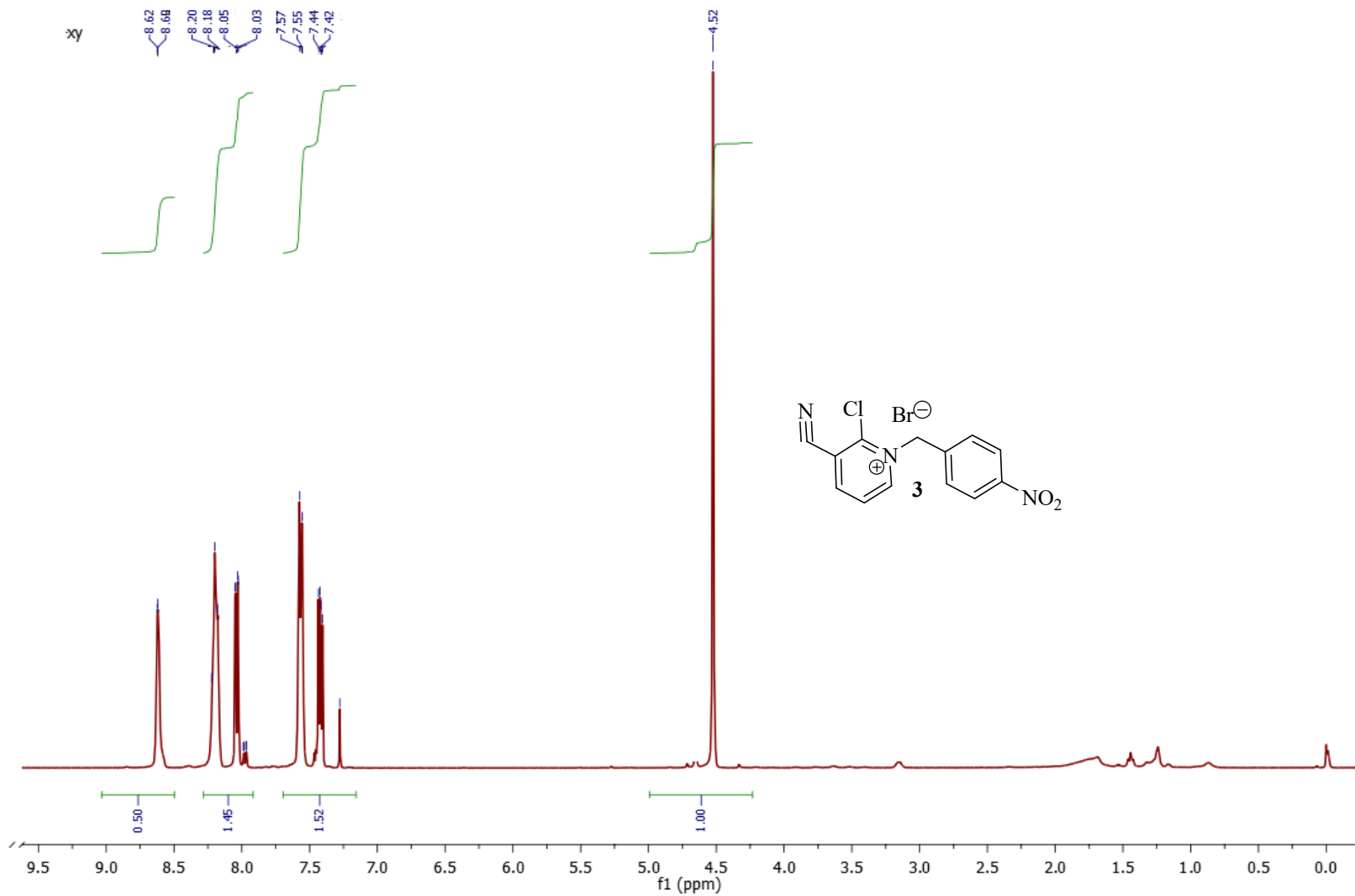
$^{13}\text{C}$ NMR spectrum of 1,1'-(1,3-phenylenebis(methylene))bis(2-chloro-3-cyano)pyridin-1-ium bromide 2



HRMS spectrum of 1,1'-(1,3-phenylenebis(methylene))bis(2-chloro-3-cyano)pyridin-1-ium bromide **2**

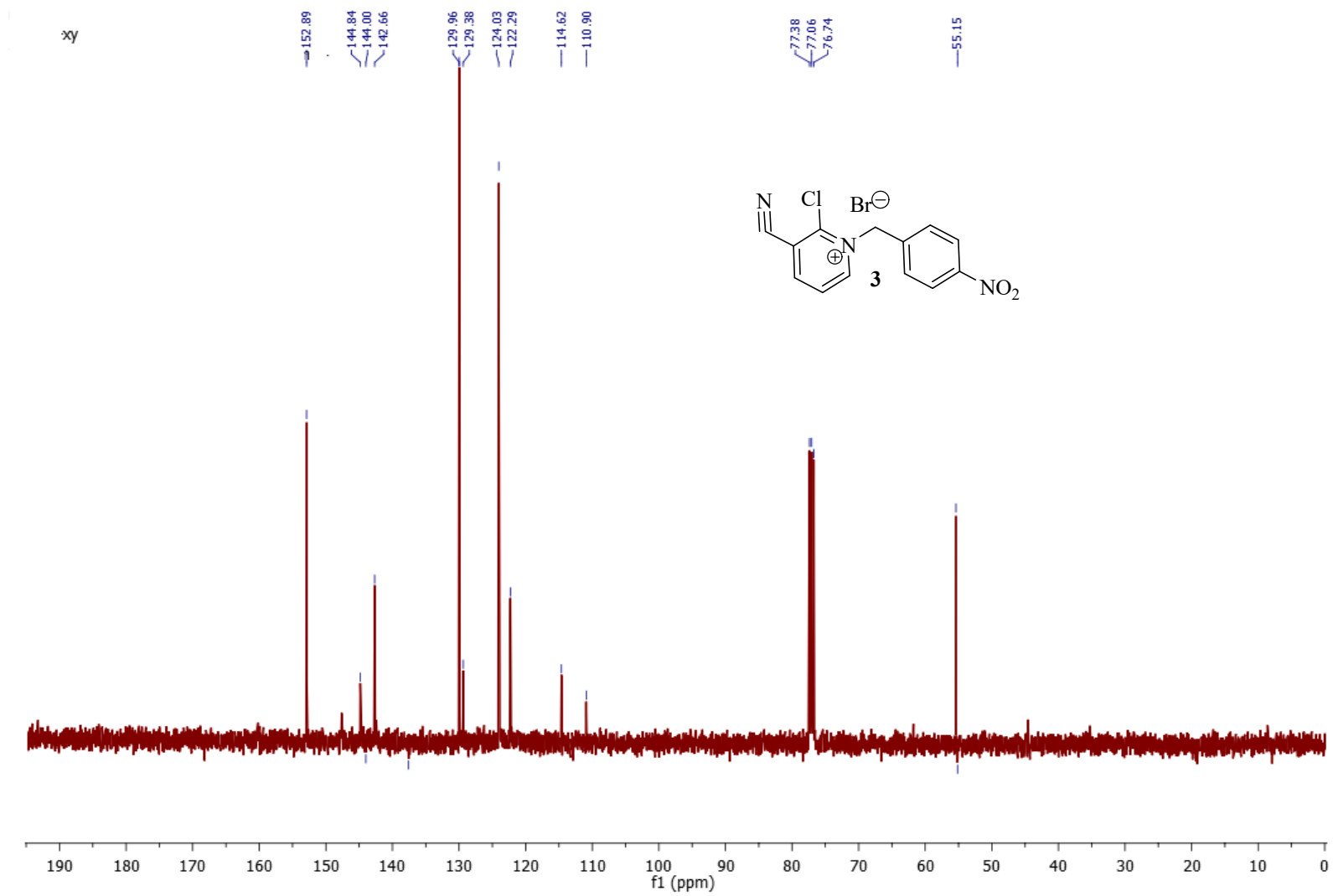


<sup>1</sup>HNMR spectrum of 2-chloro-3-cyano-1-(4-nitrobenzyl)pyridin-1-ium bromide **3**

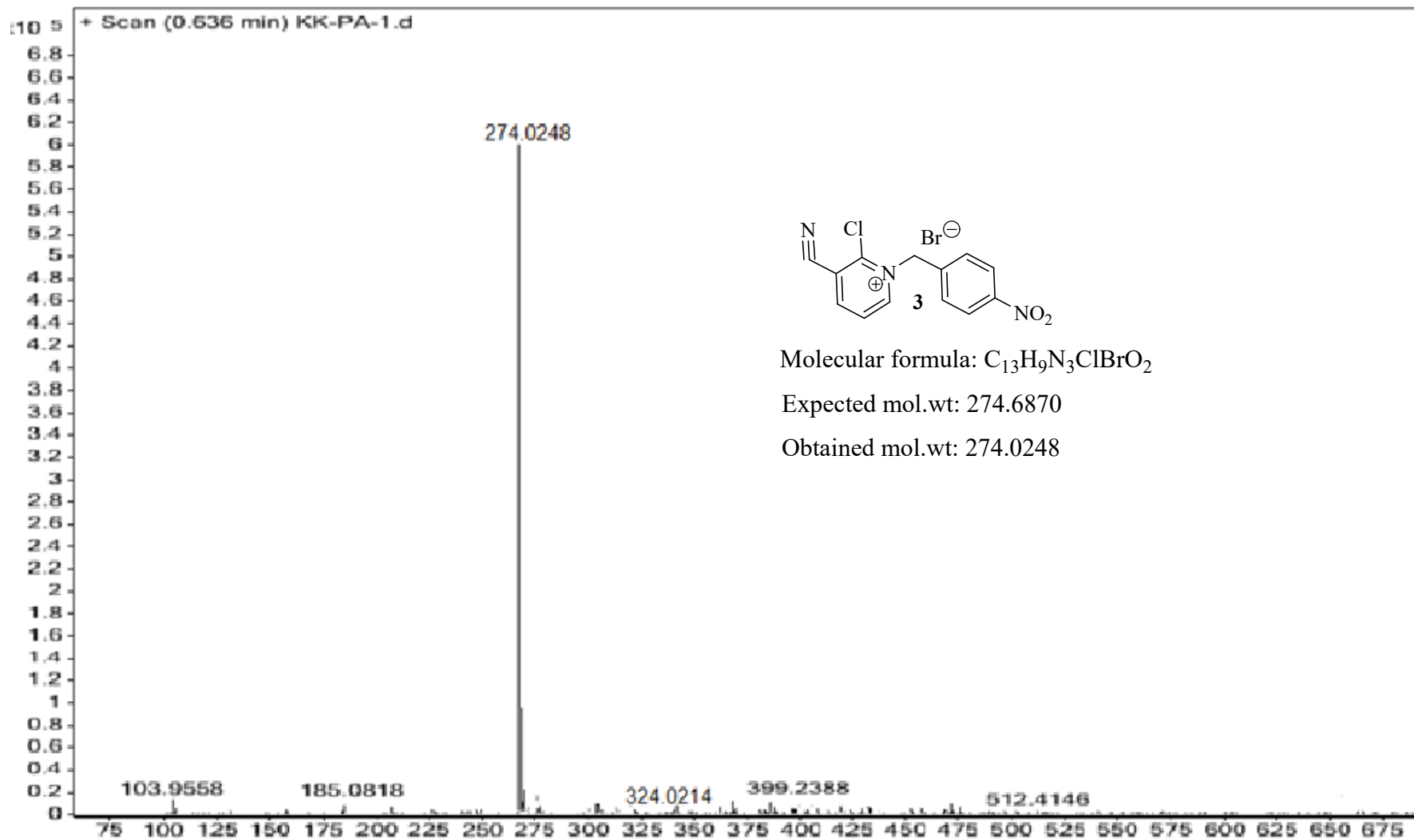




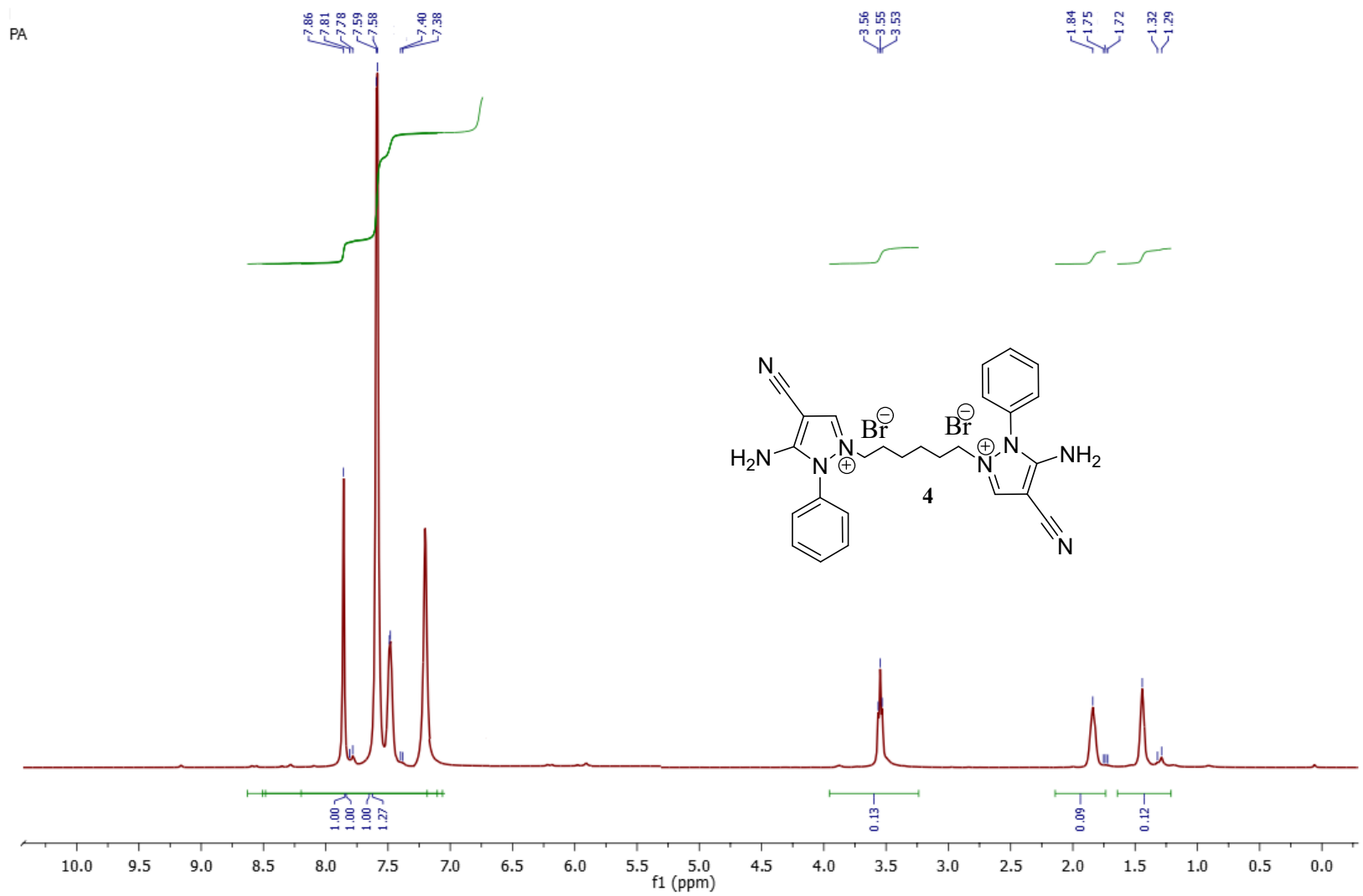
<sup>13</sup>CNMR spectrum of 2-chloro-3-cyano-1-(4-nitrobenzyl)pyridin-1-ium bromide **3**



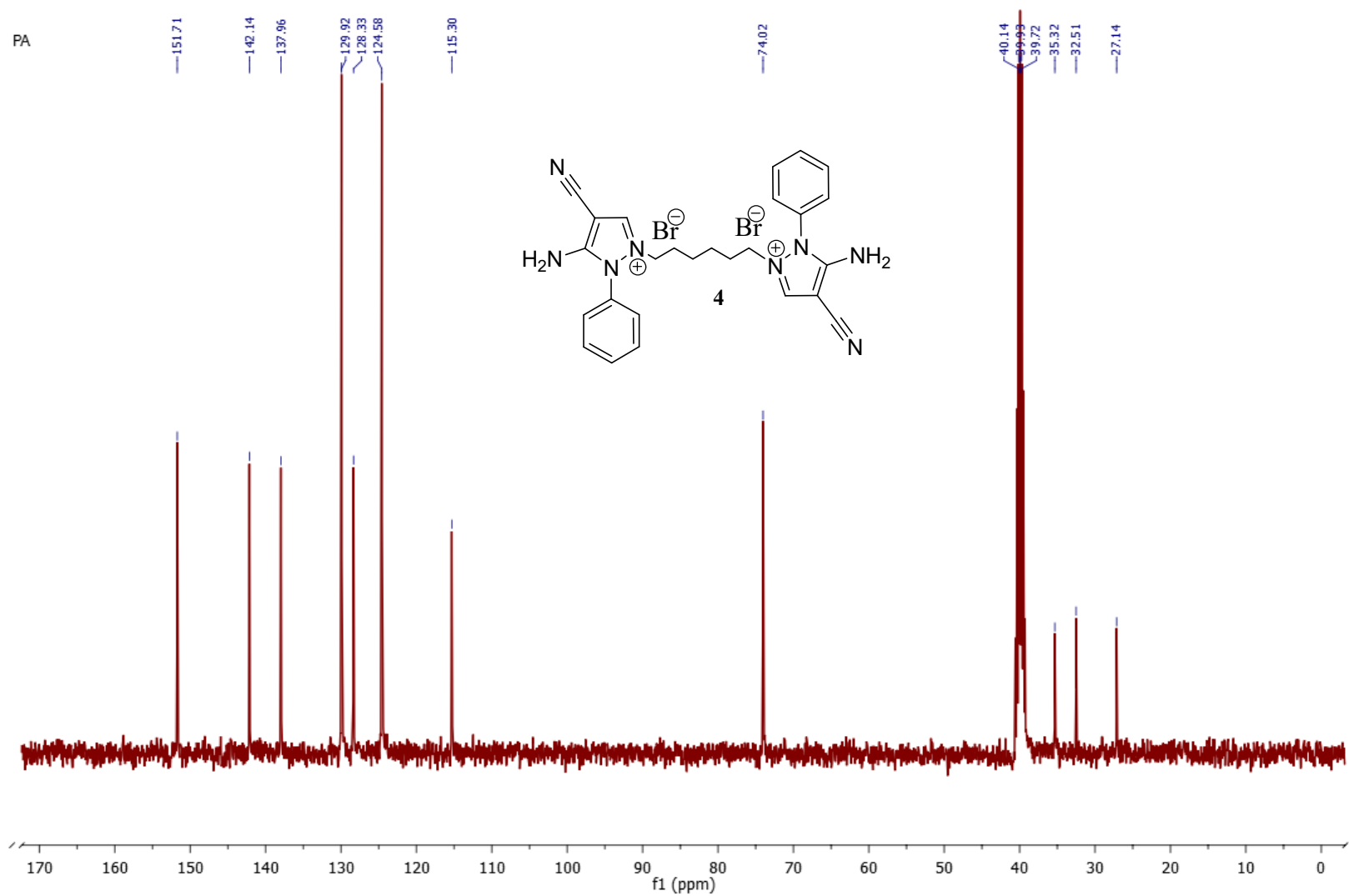
HRMS spectrum of 2-chloro-3-cyano-1-(4-nitrobenzyl)pyridin-1-ium bromide **3**



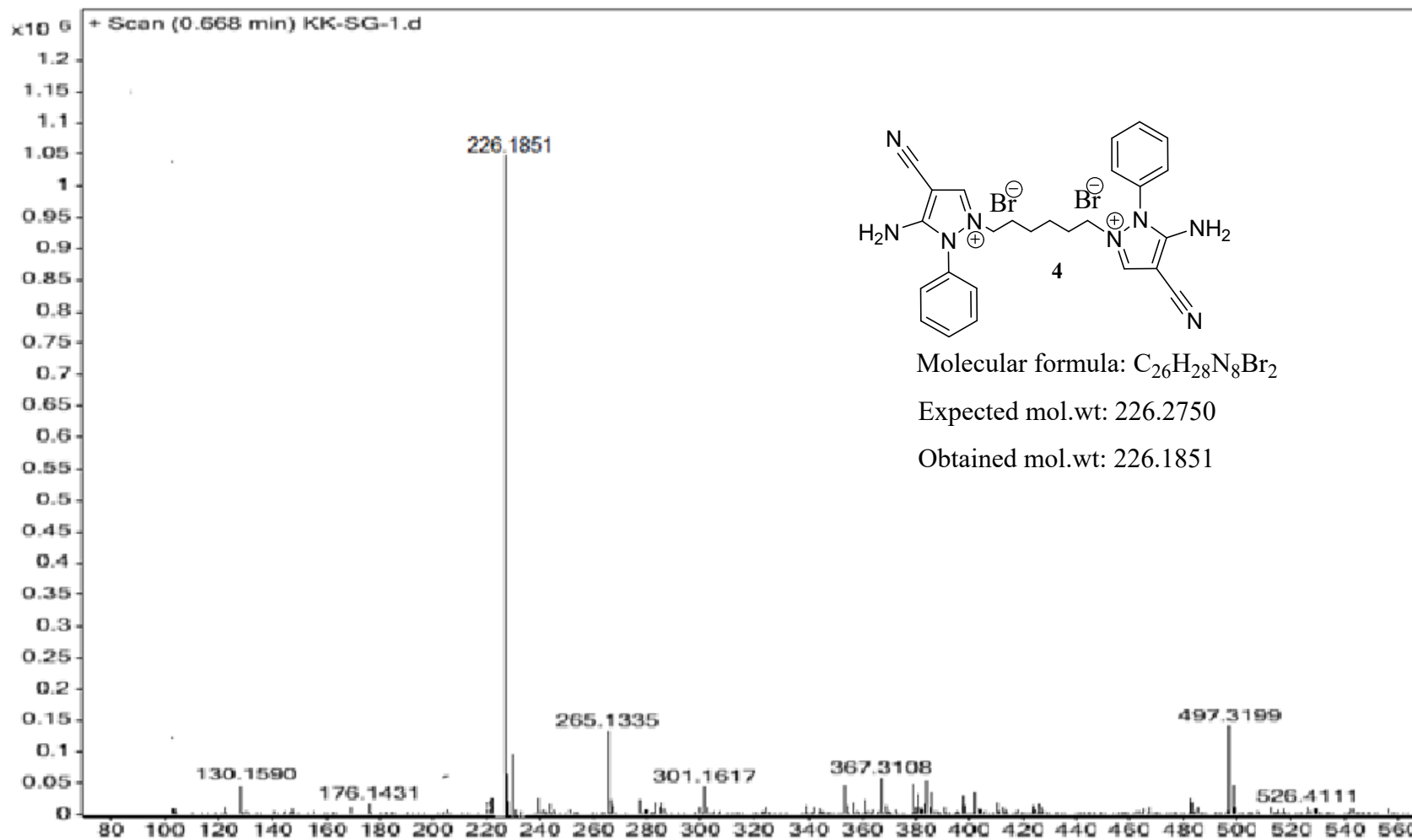
<sup>1</sup>HNMR spectrum of 2,2'-(hexane-1,6-diyl)bis(5-amino-4-cyano-1-phenyl)-1H-pyrazol-2-ium bromide 4



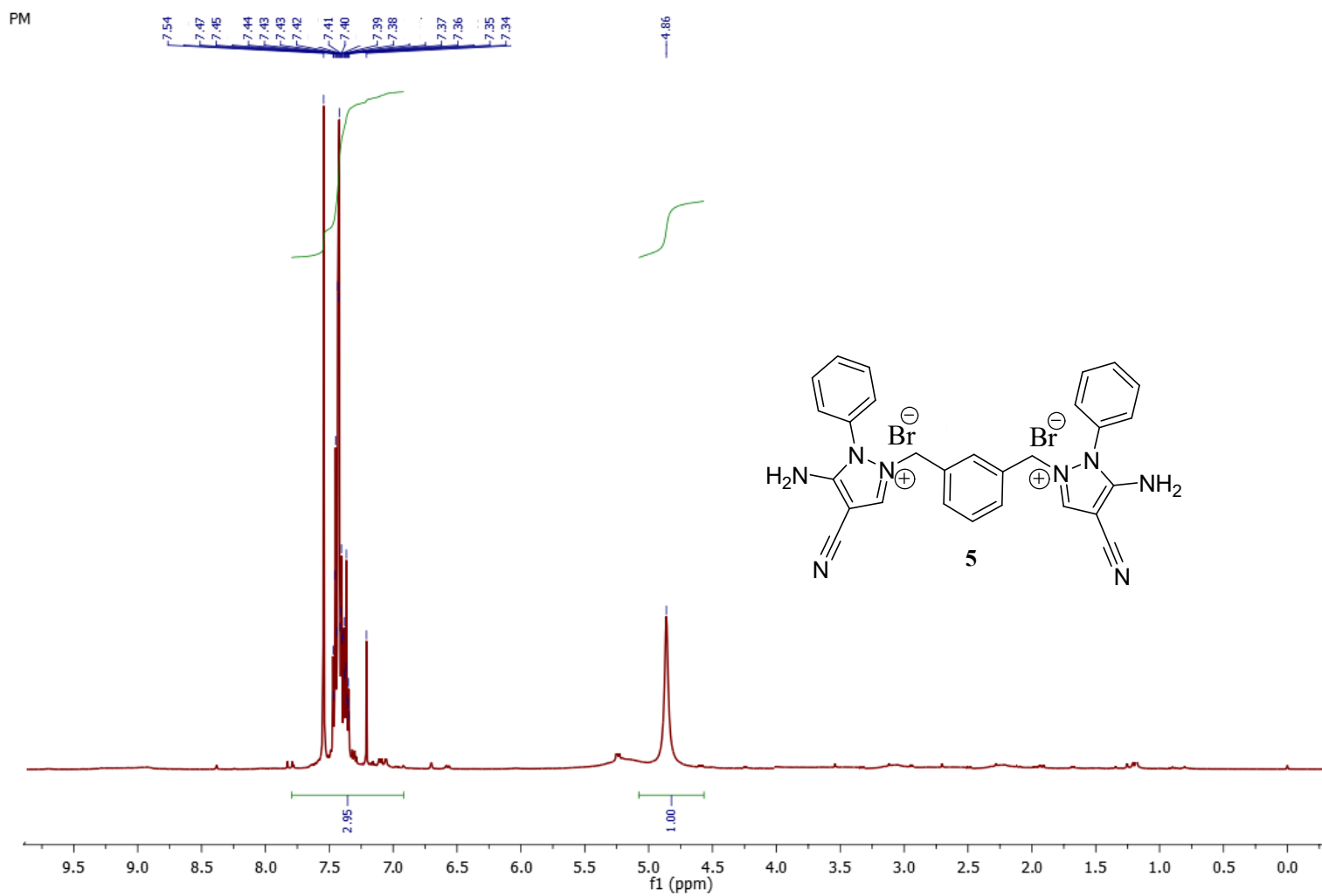
$^{13}\text{C}$ NMR spectrum of 2,2'-(hexane-1,6-diyl)bis(5-amino-4-cyano-1-phenyl)-1H-pyrazol-2-ium bromide **4**



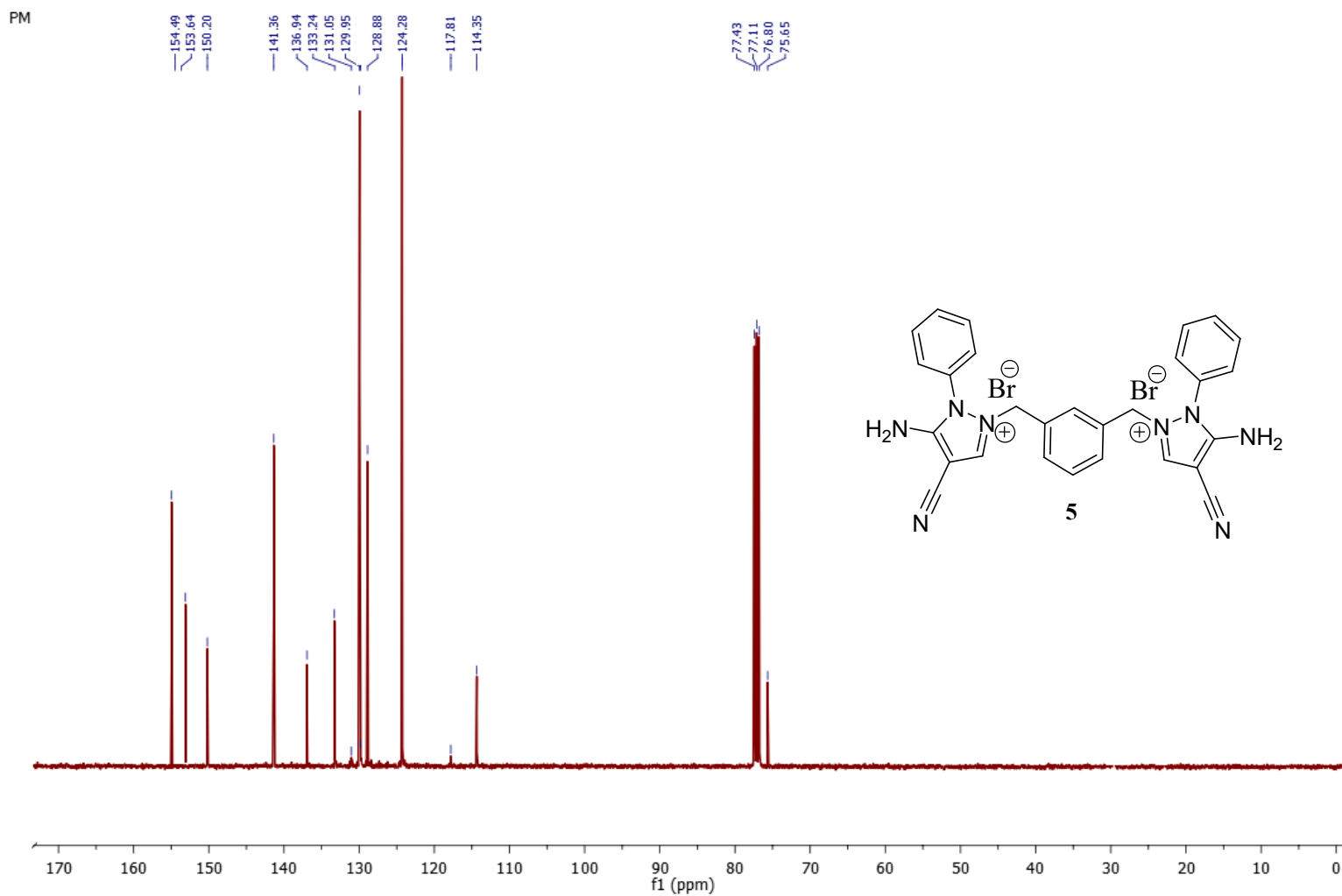
HRMS spectrum of 2,2'-(hexane-1,6-diyl)bis(5-amino-4-cyano-1-phenyl)-1H-pyrazol-2-ium bromide 4



<sup>1</sup>H NMR spectrum of 2,2'-(1,3-phenylenebis(methylene))bis(5-amino-4-cyano-1-phenyl)-1H-pyrazol-2-ium bromide **5**



$^{13}\text{C}$ NMR spectrum of 2,2'-(1,3-phenylenebis(methylene))bis(5-amino-4-cyano-1-phenyl)-1H-pyrazol-2-ium bromide 5



HRMS spectrum of 2,2'-(1,3-phenylenebis(methylene))bis(5-amino-4-cyano-1-phenyl)-1H-pyrazol-2-ium bromide 5

