Supplementary data for

Complexes of Group 2 dications with soft thioether and selenoether-containing macrocycles

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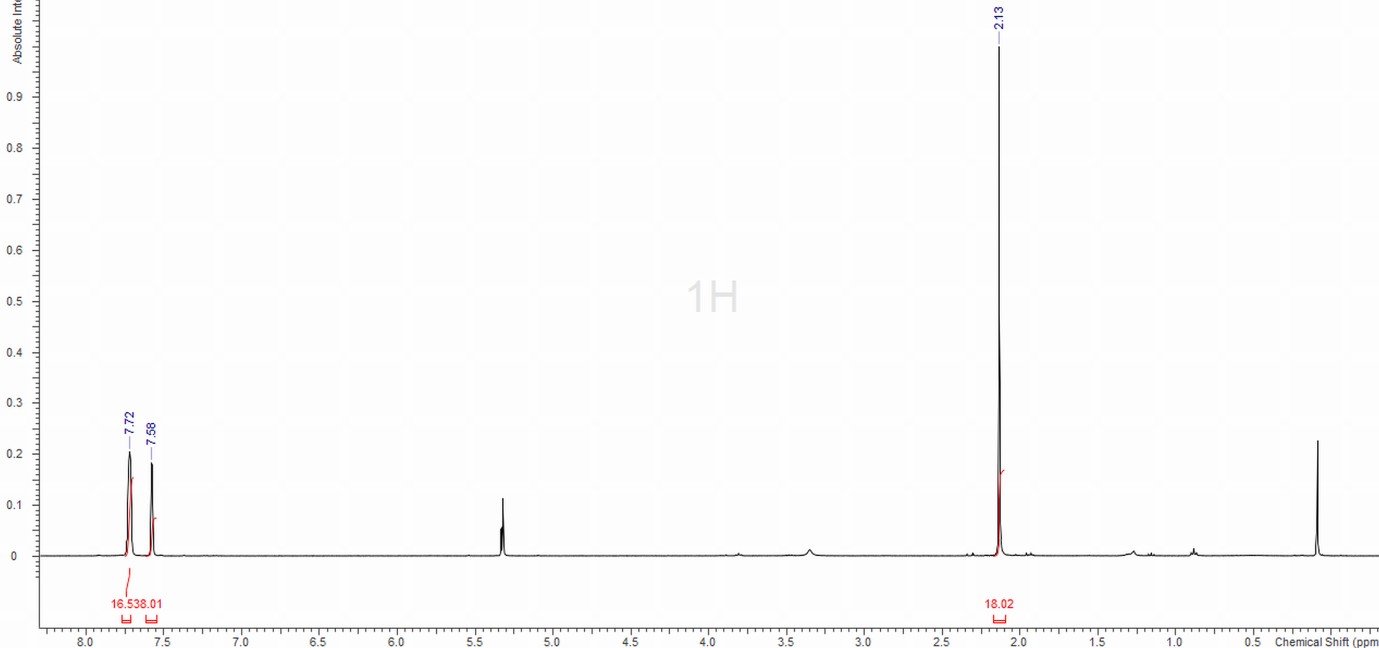
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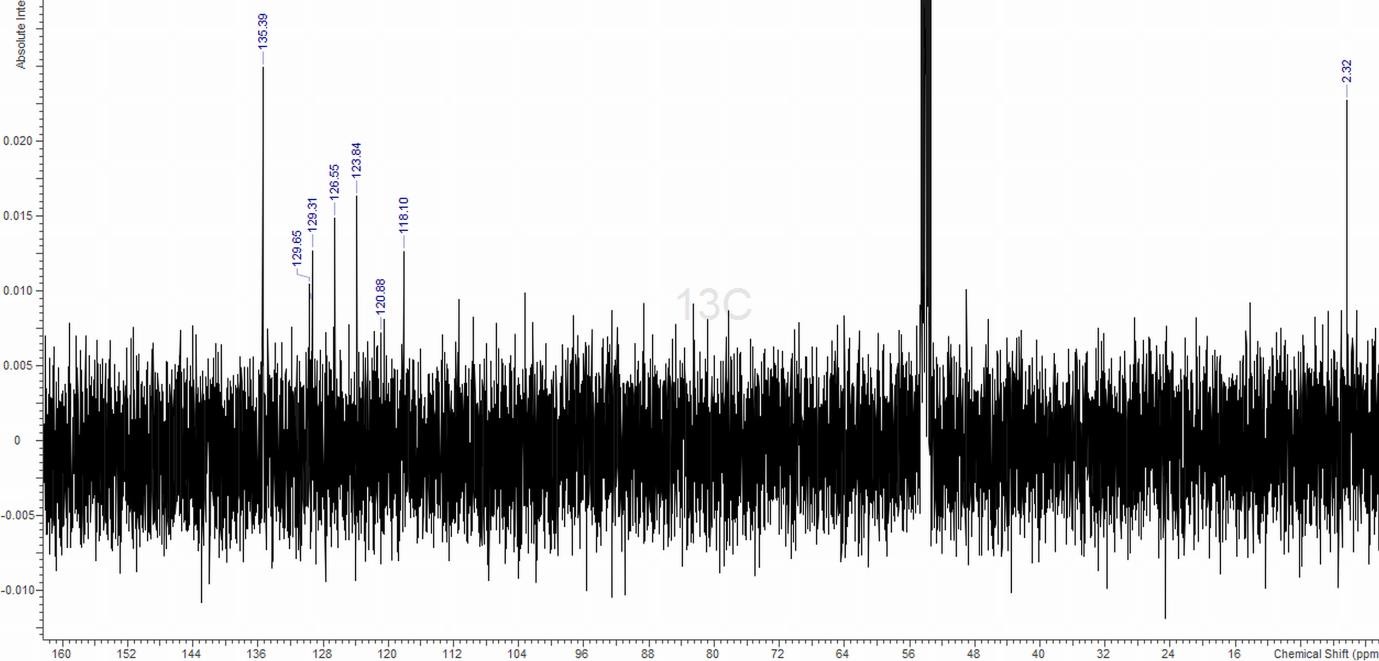
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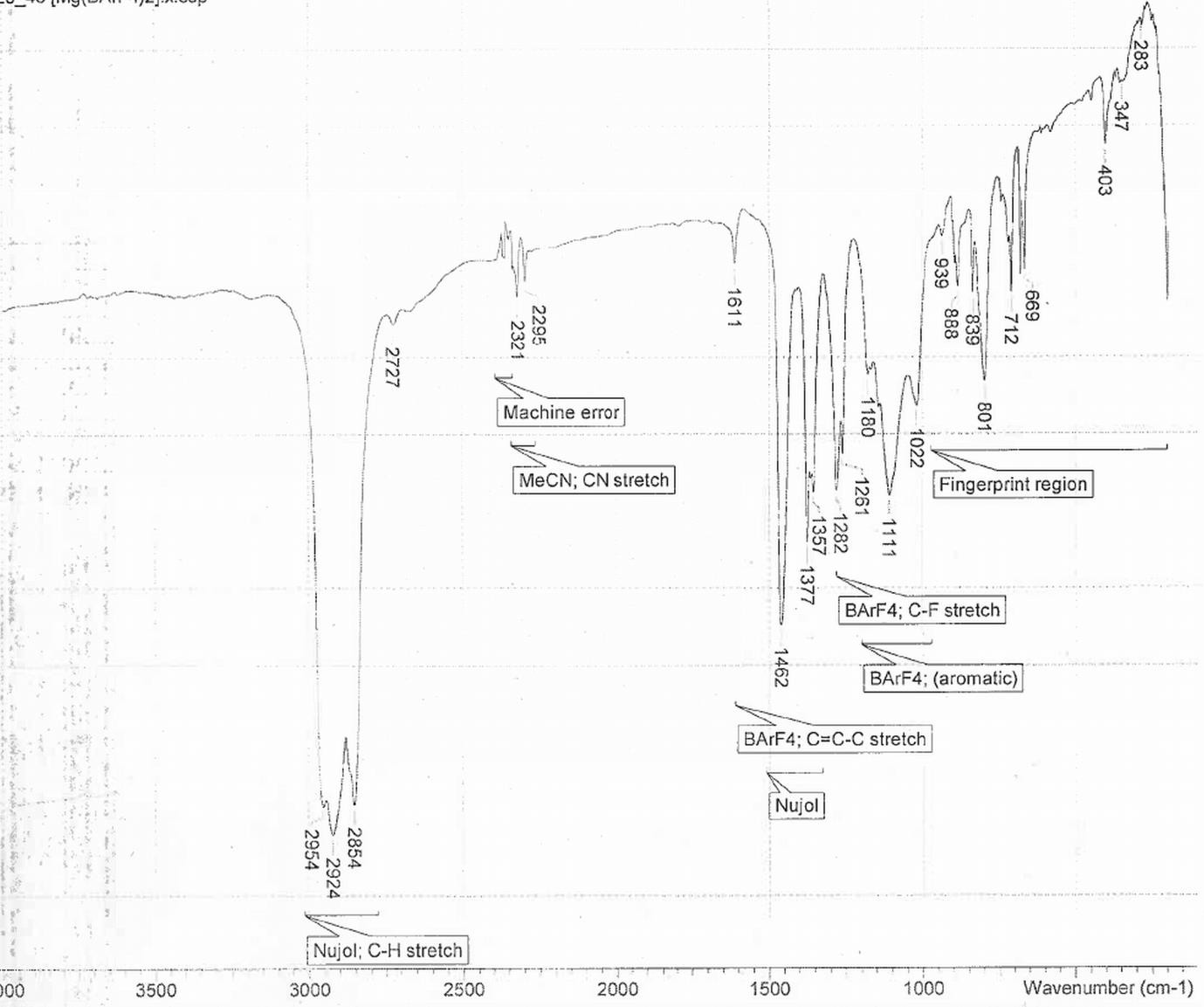
1H NMR spectrum (CD2Cl2, 298 K):



13C{1H} NMR spectrum (CD2Cl2, 298 K):



IR spectrum (Nujol):

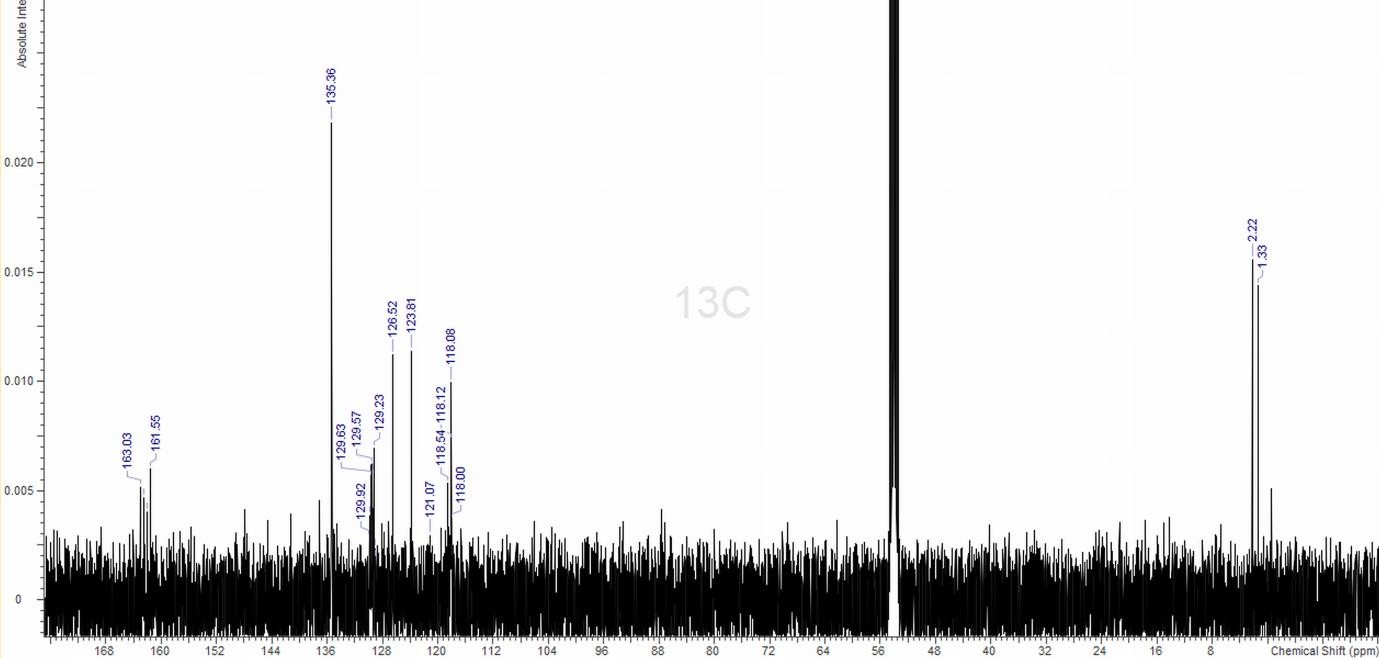


# [Ca(MeCN)8][BArF]2:

1H NMR spectrum (CD2Cl2, 298 K):

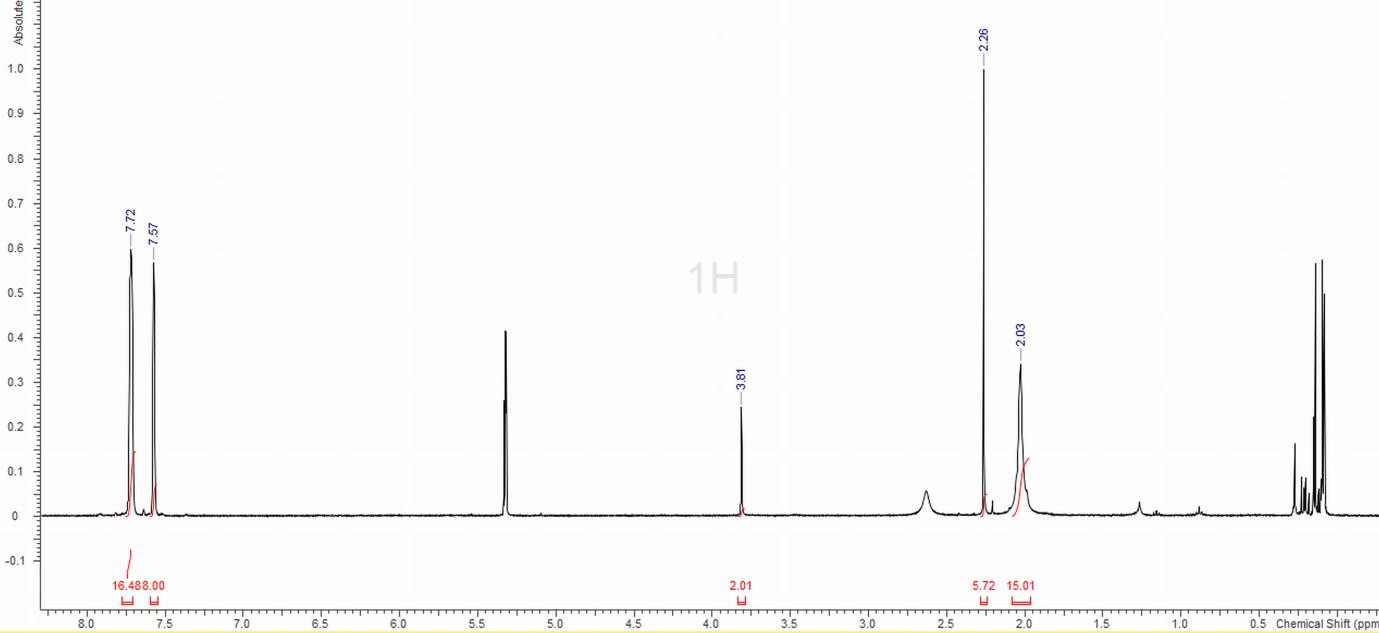


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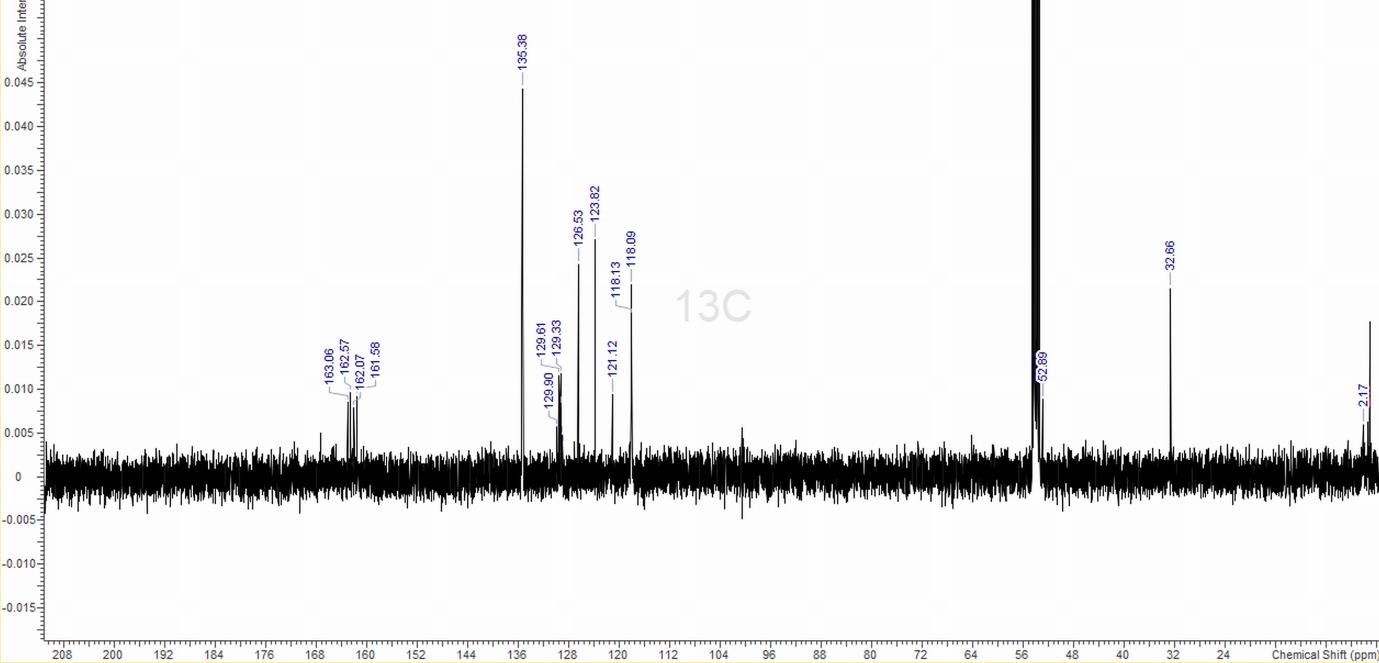


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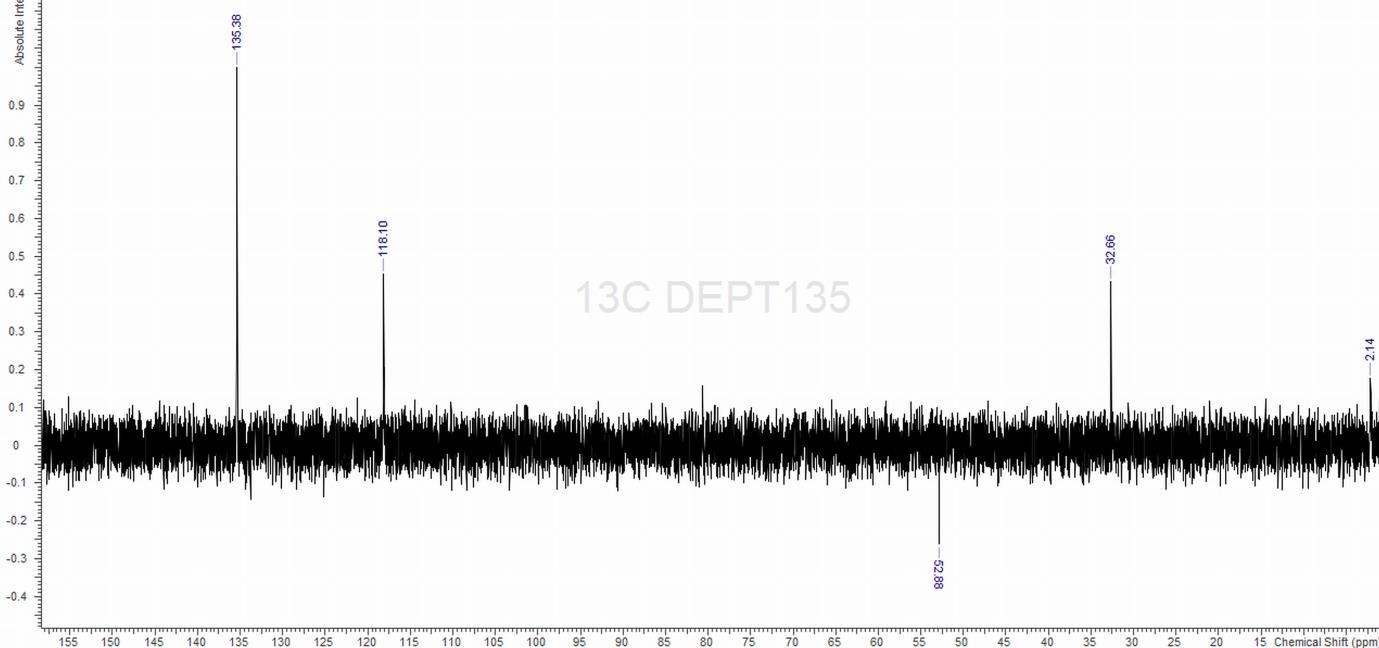
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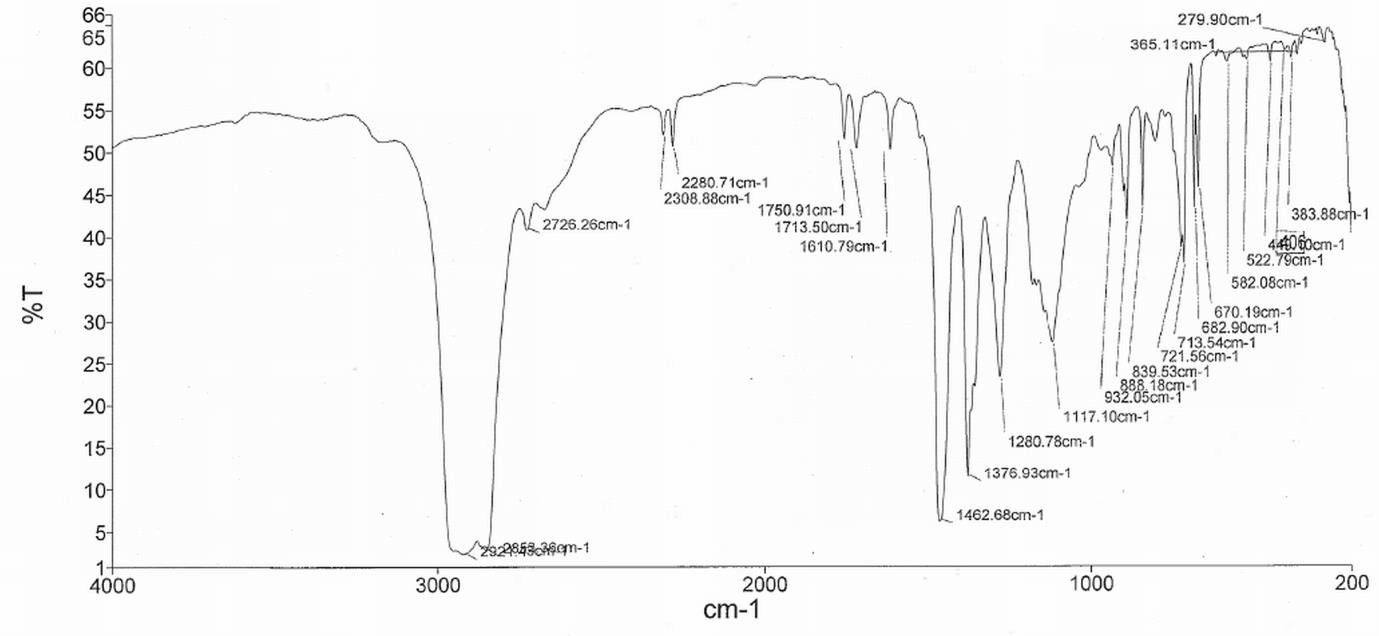
13C{1H} NMR spectrum (CD2Cl2, 298 K):



DEPT-135 NMR spectrum (CD2Cl2, 298 K):

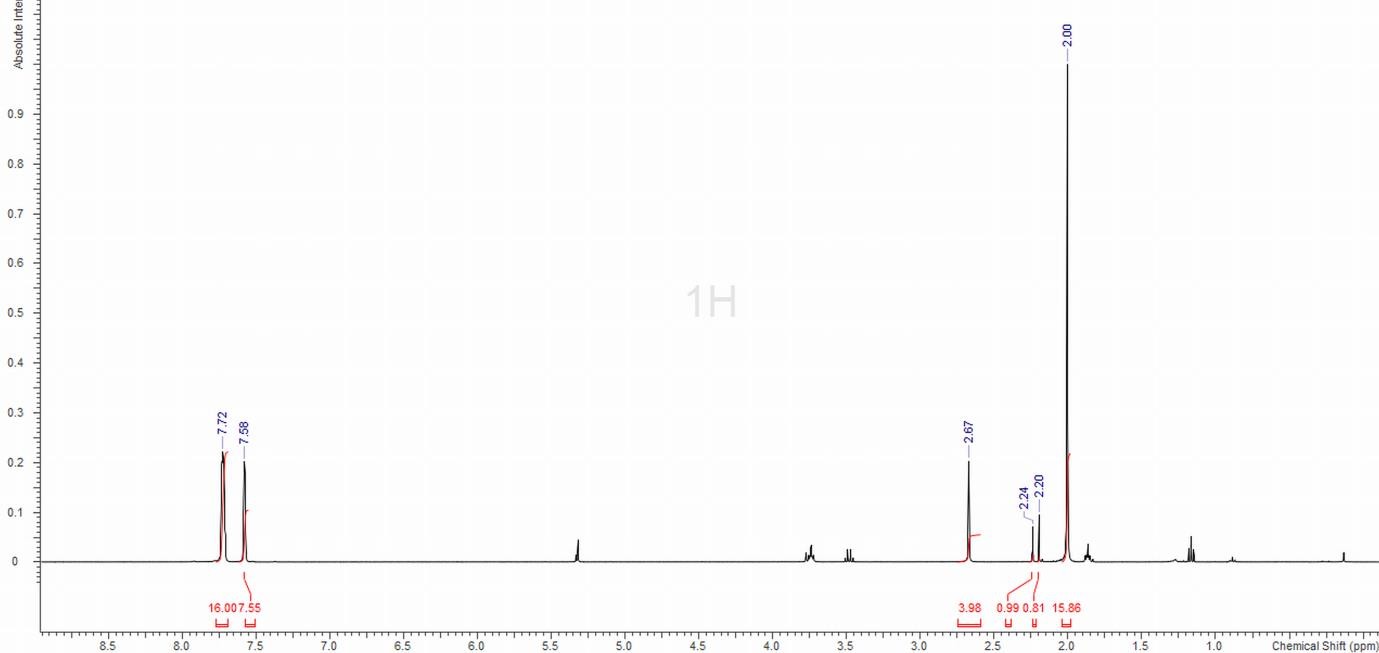


IR spectrum (Nujol):

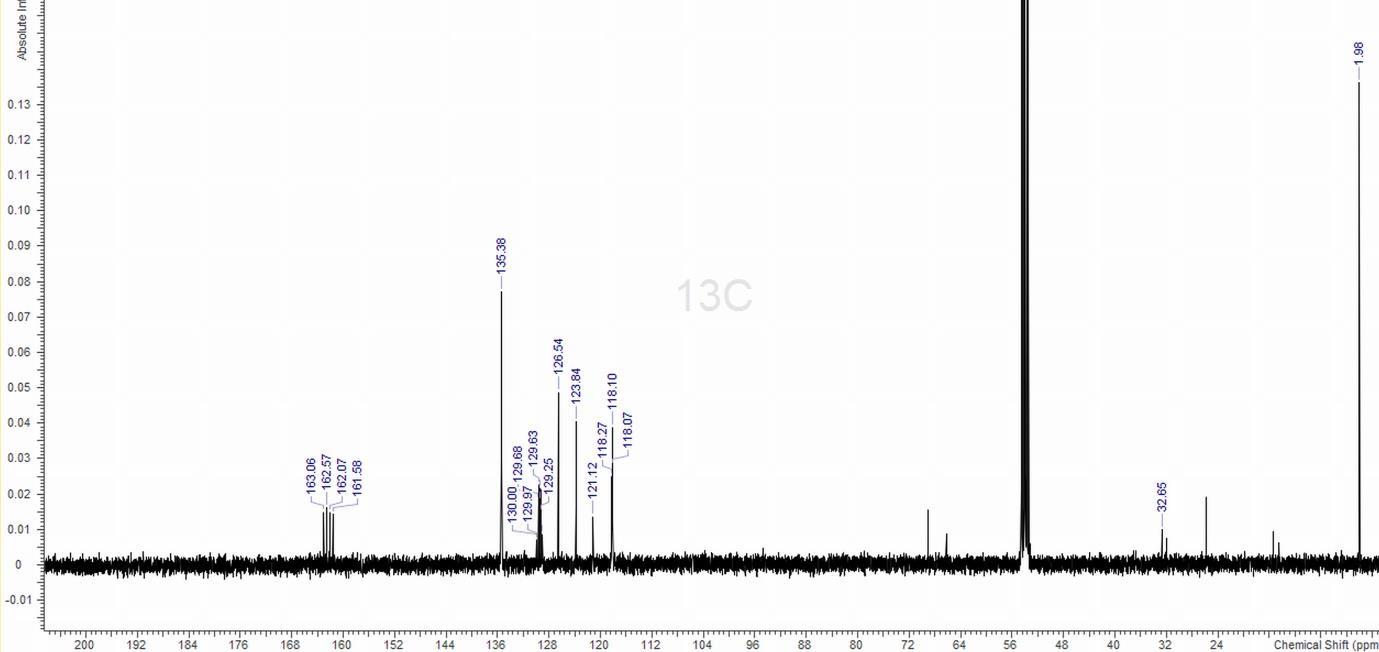


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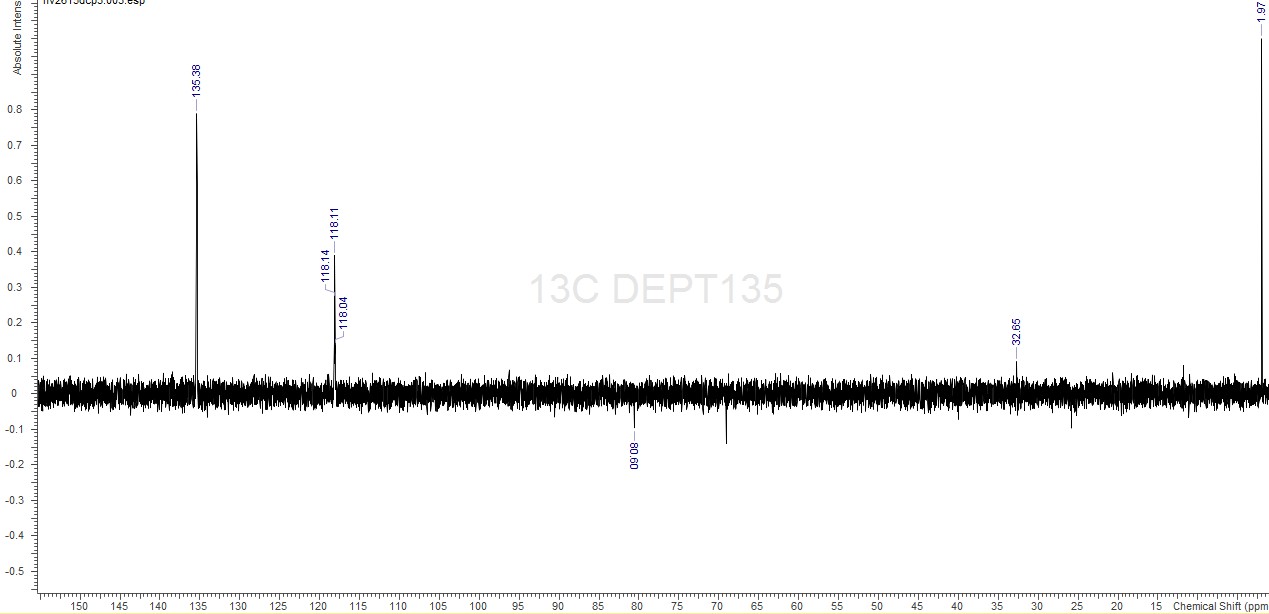
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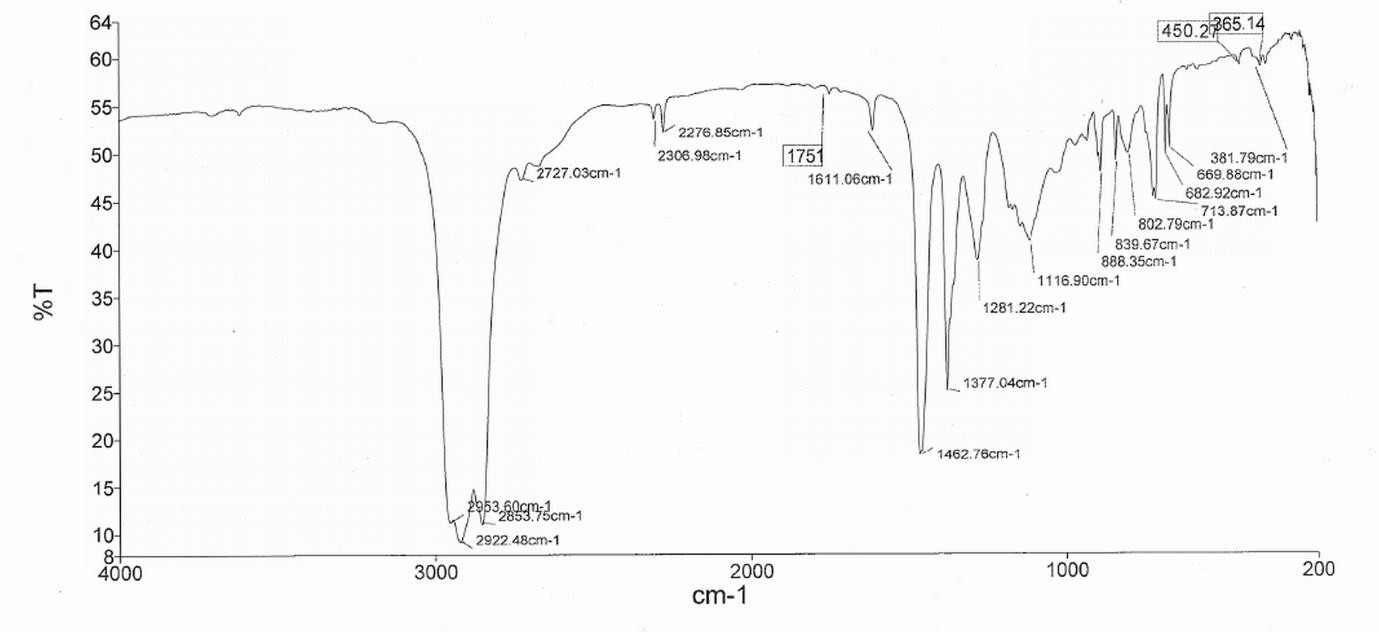
13C{1H} NMR spectrum (CD2Cl2, 298 K):



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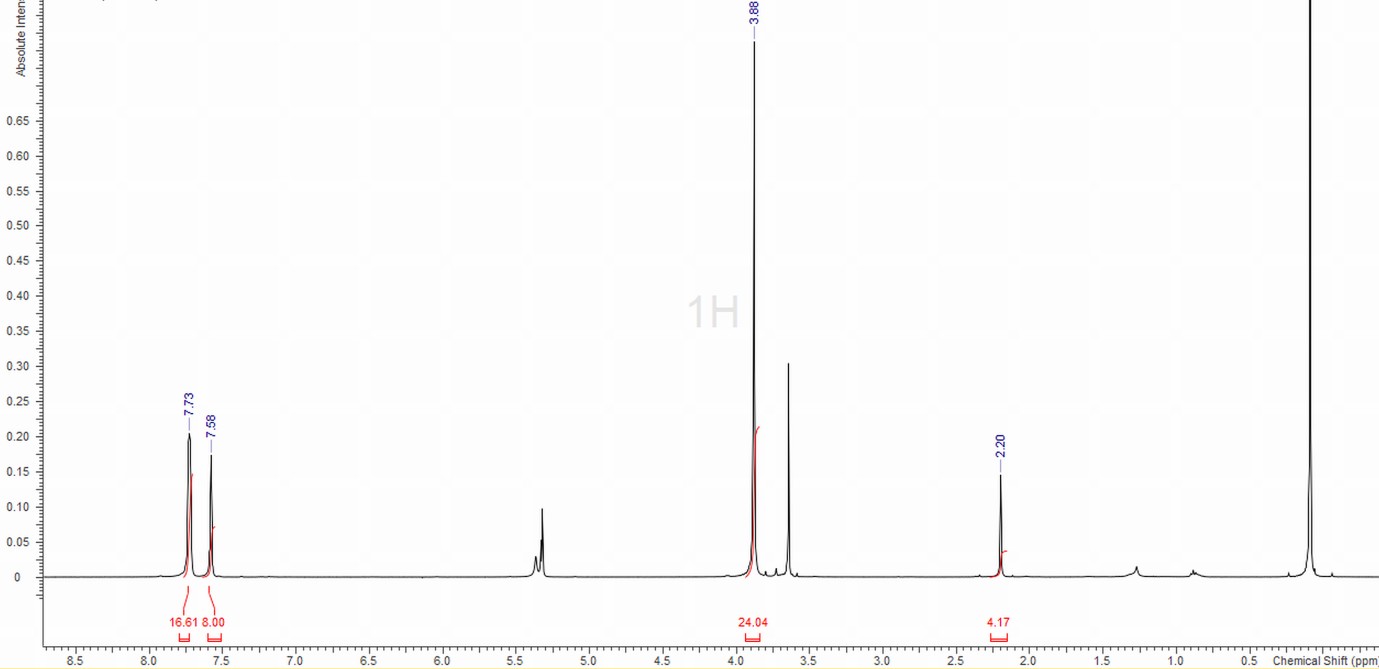


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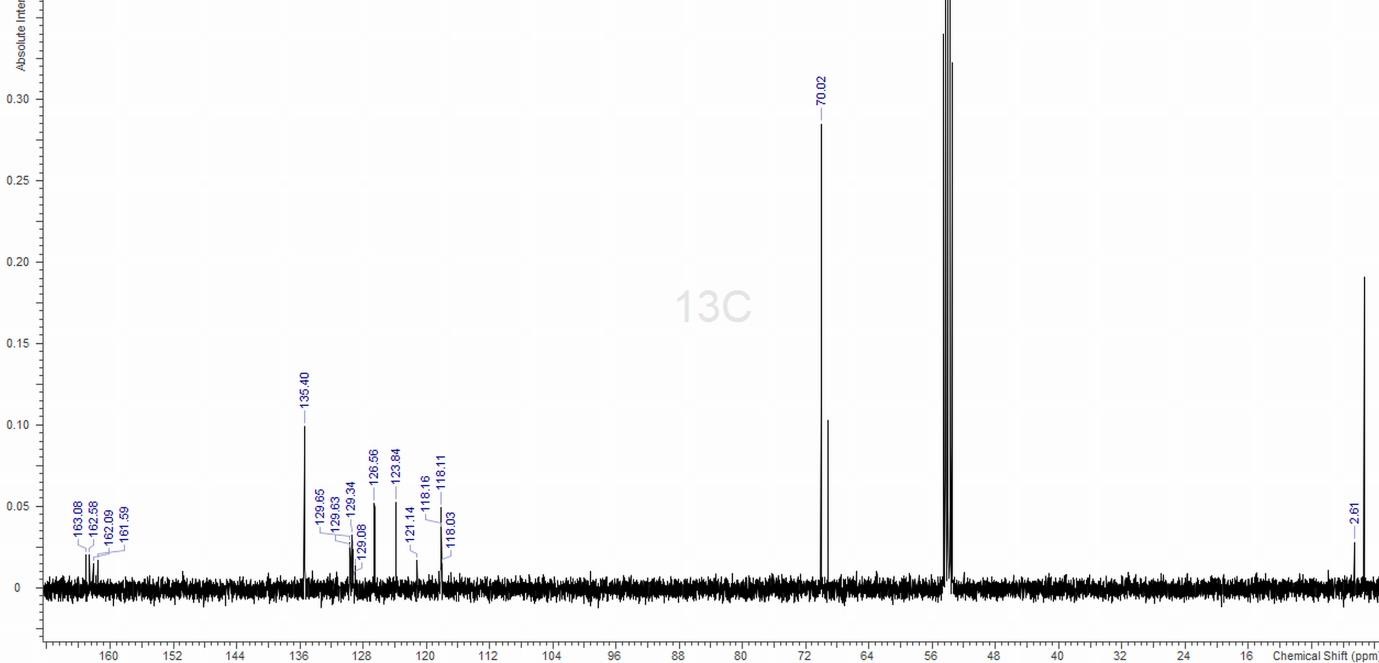


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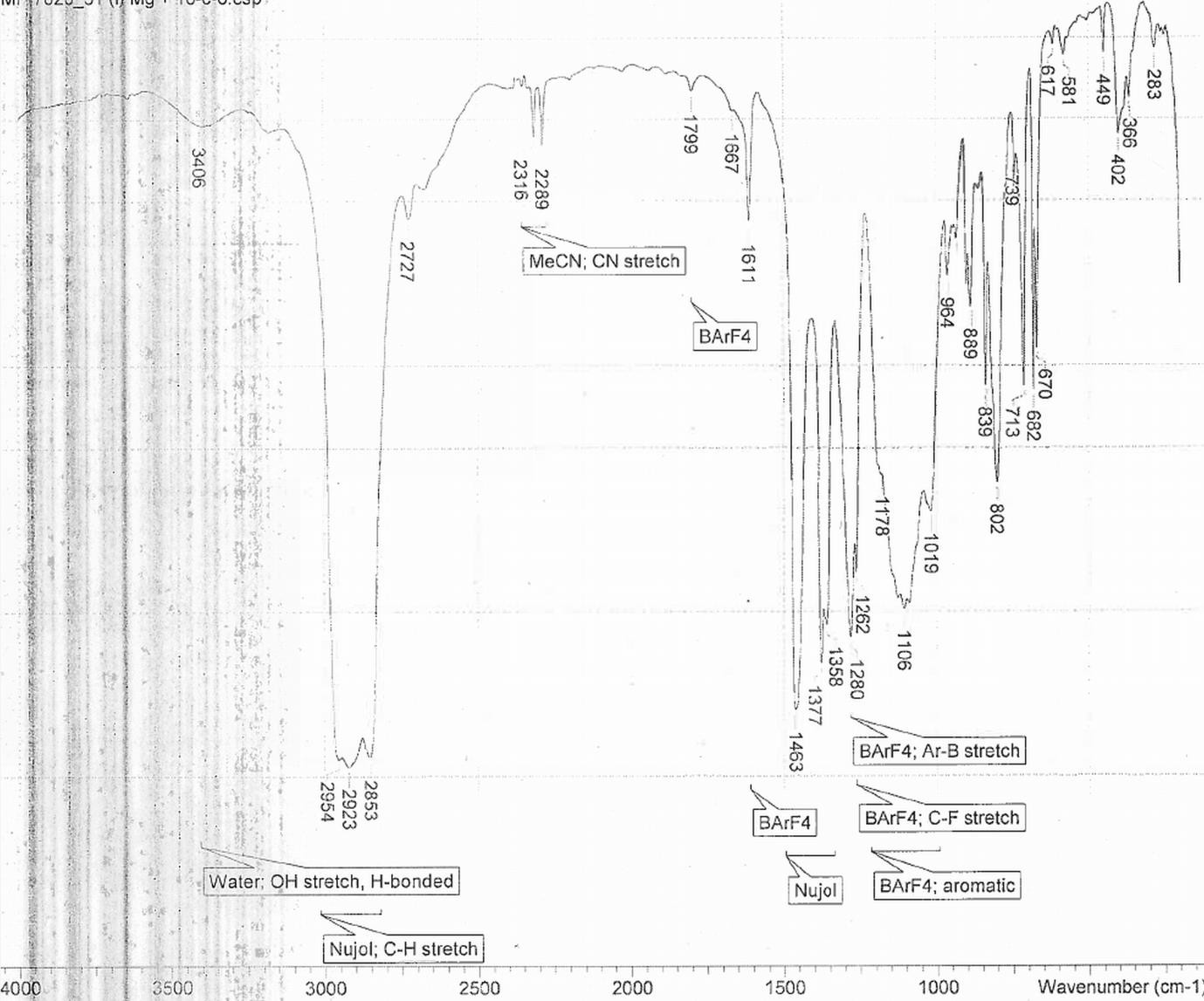
1H NMR spectrum (CD2Cl2, 298 K):



13C{1H} NMR spectrum (CD2Cl2, 298 K):

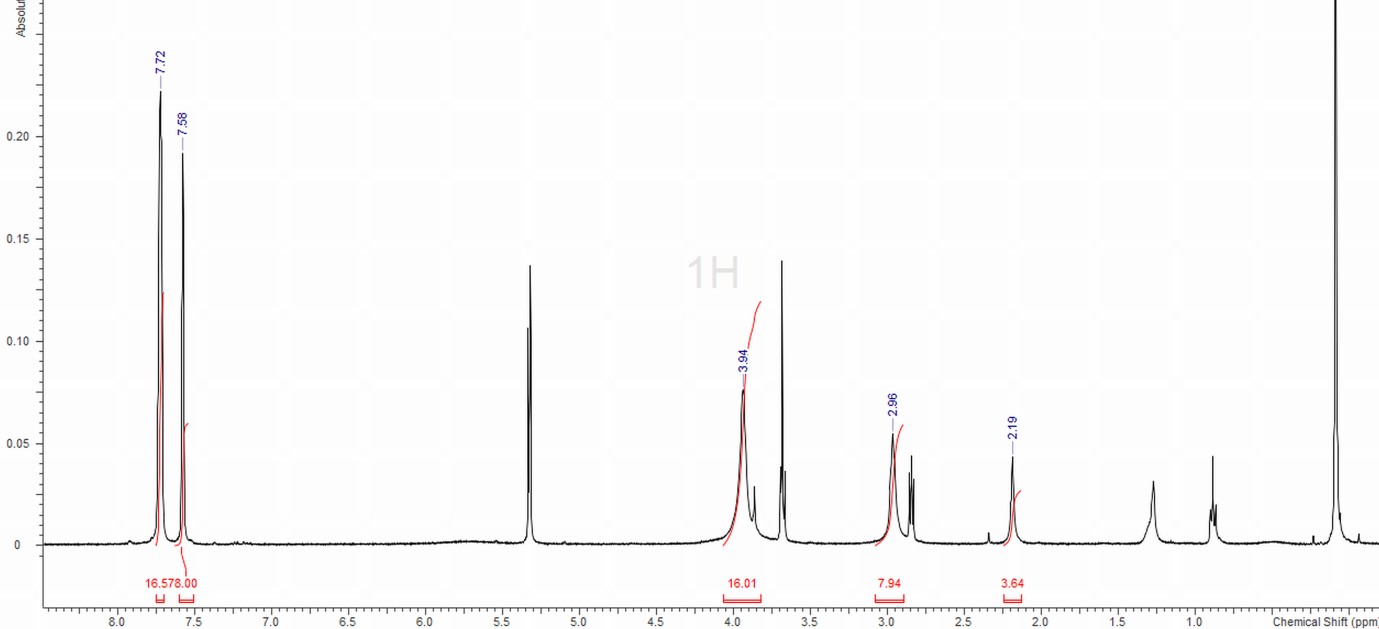


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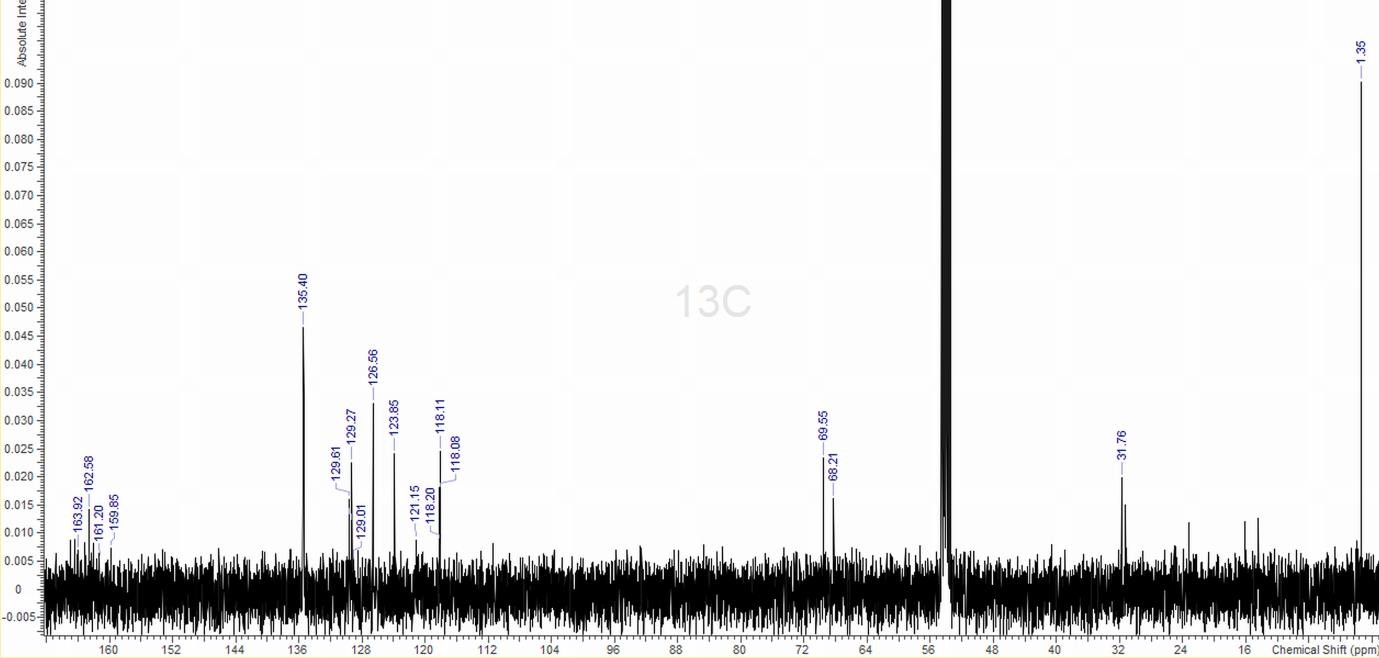


# [Mg([18]aneO4S2)(MeCN)2][BArF]2:

1H NMR spectrum (CD2Cl2, 298 K):

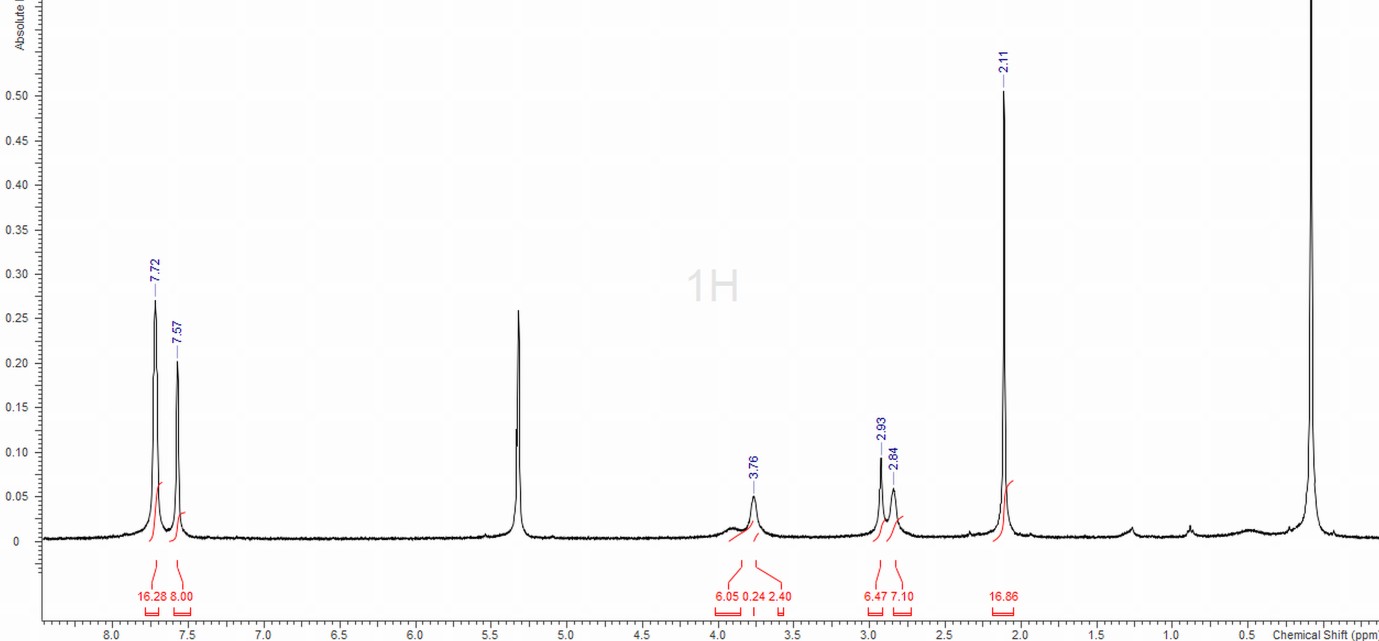


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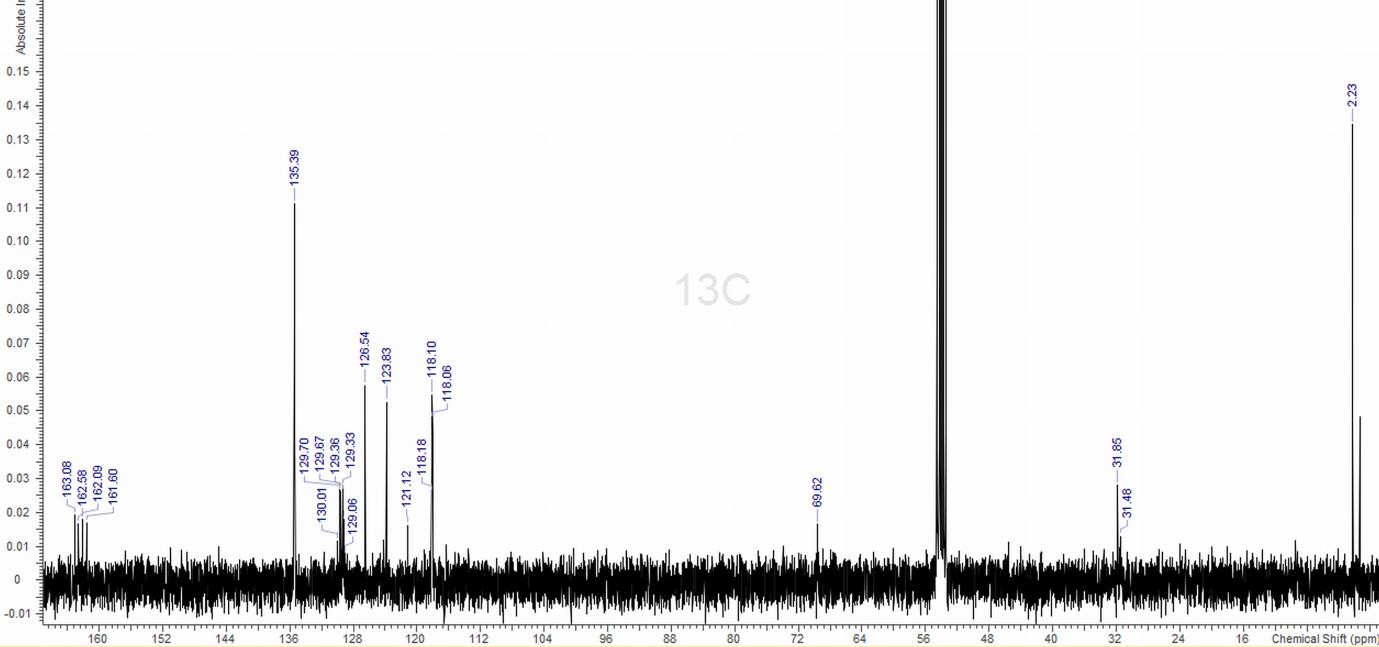


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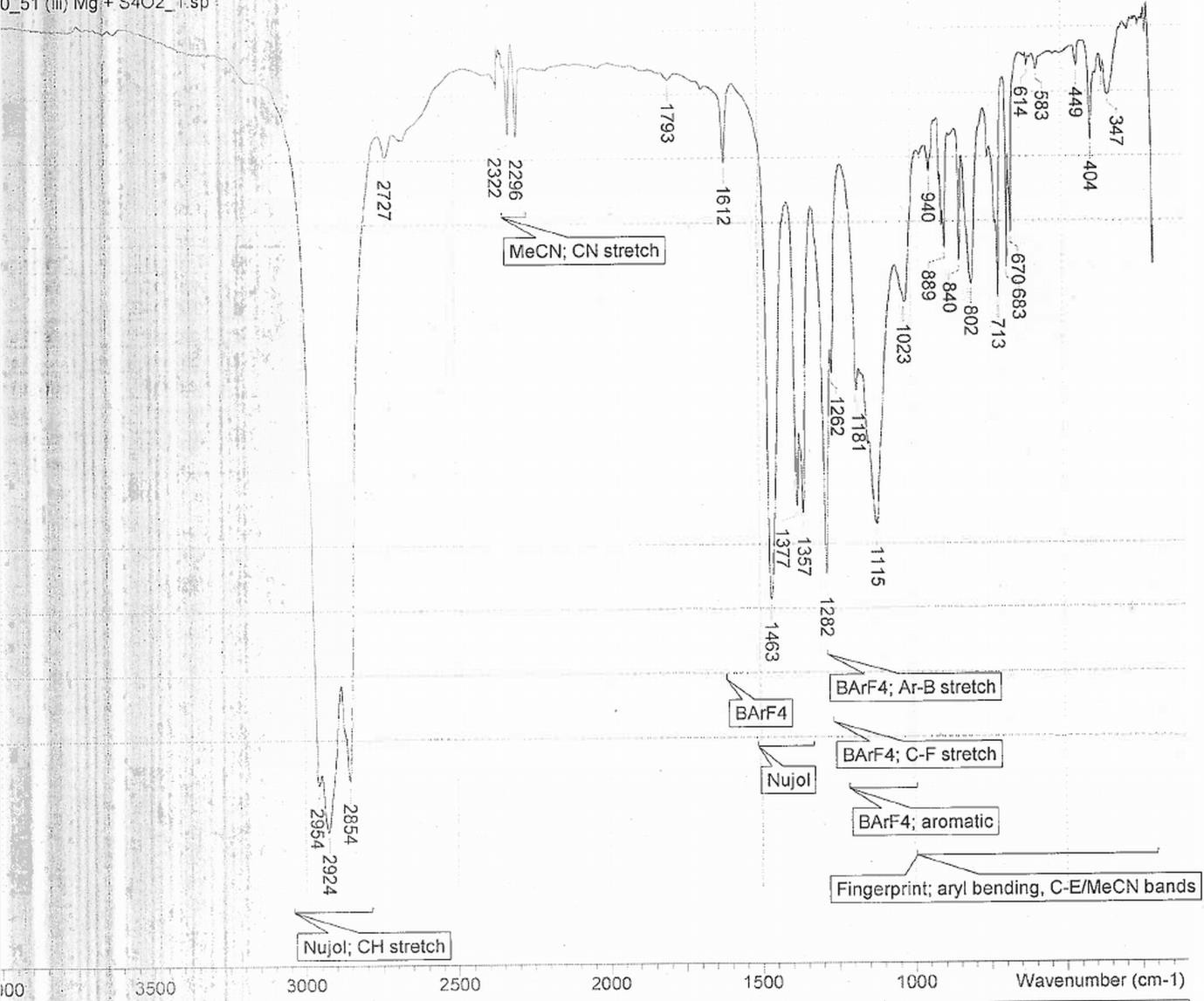
1H NMR spectrum (CD2Cl2, 298 K):



13C{1H} NMR spectrum (CD2Cl2, 298 K):

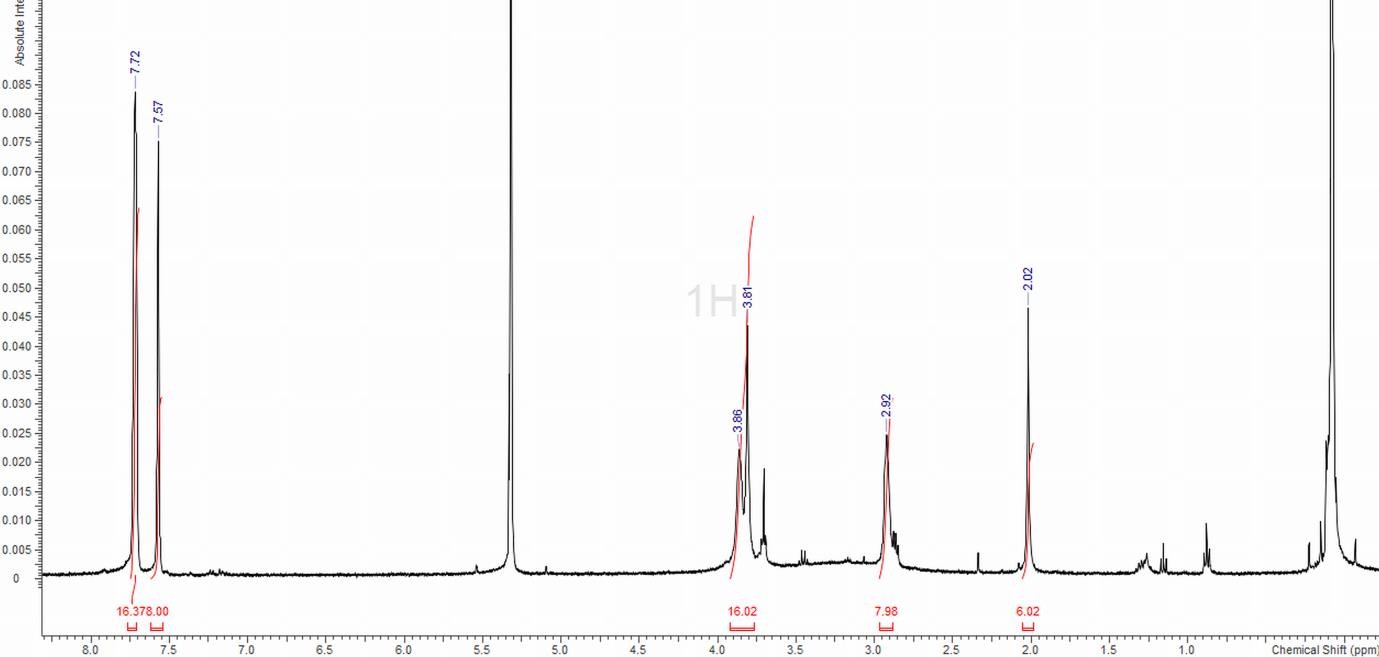


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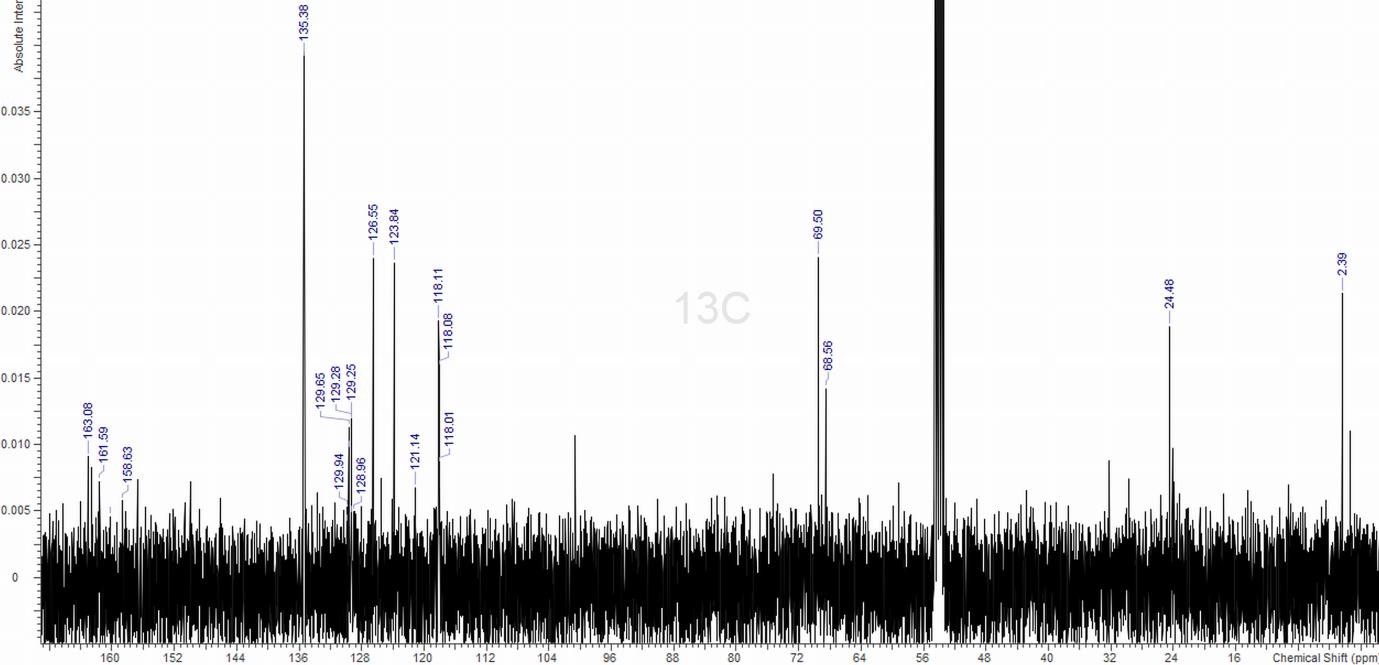


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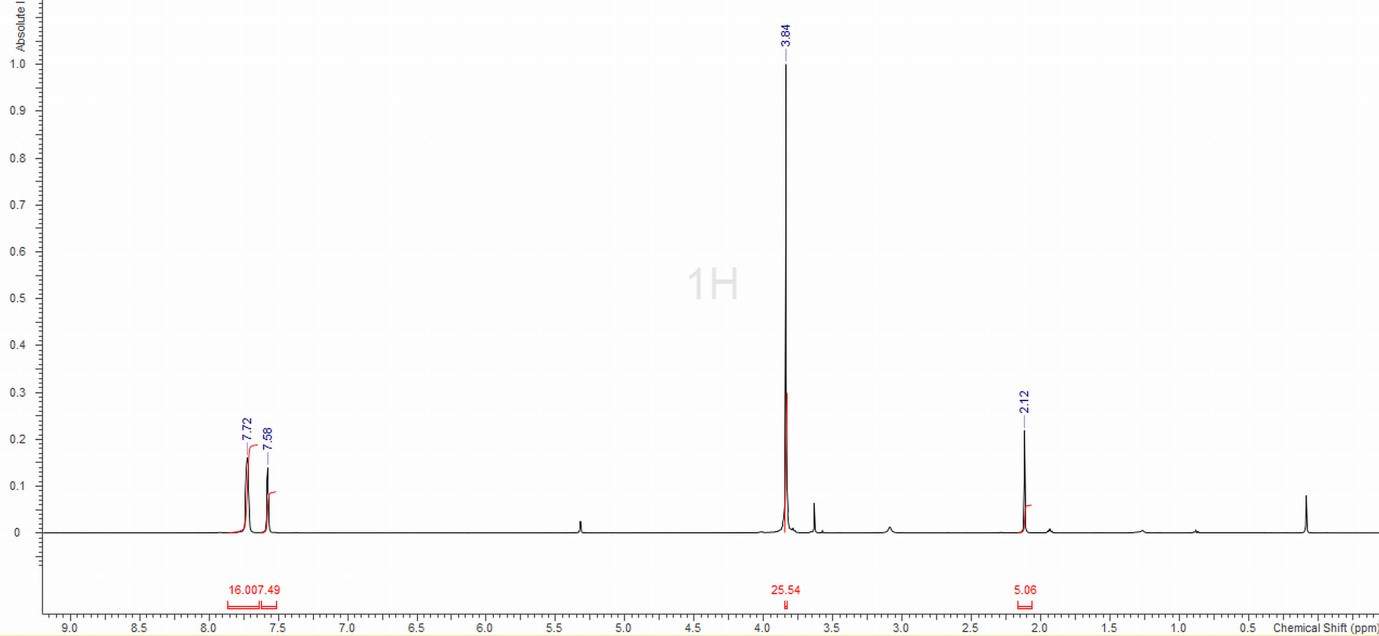


13C{1H} NMR spectrum (CD2Cl2, 298 K):

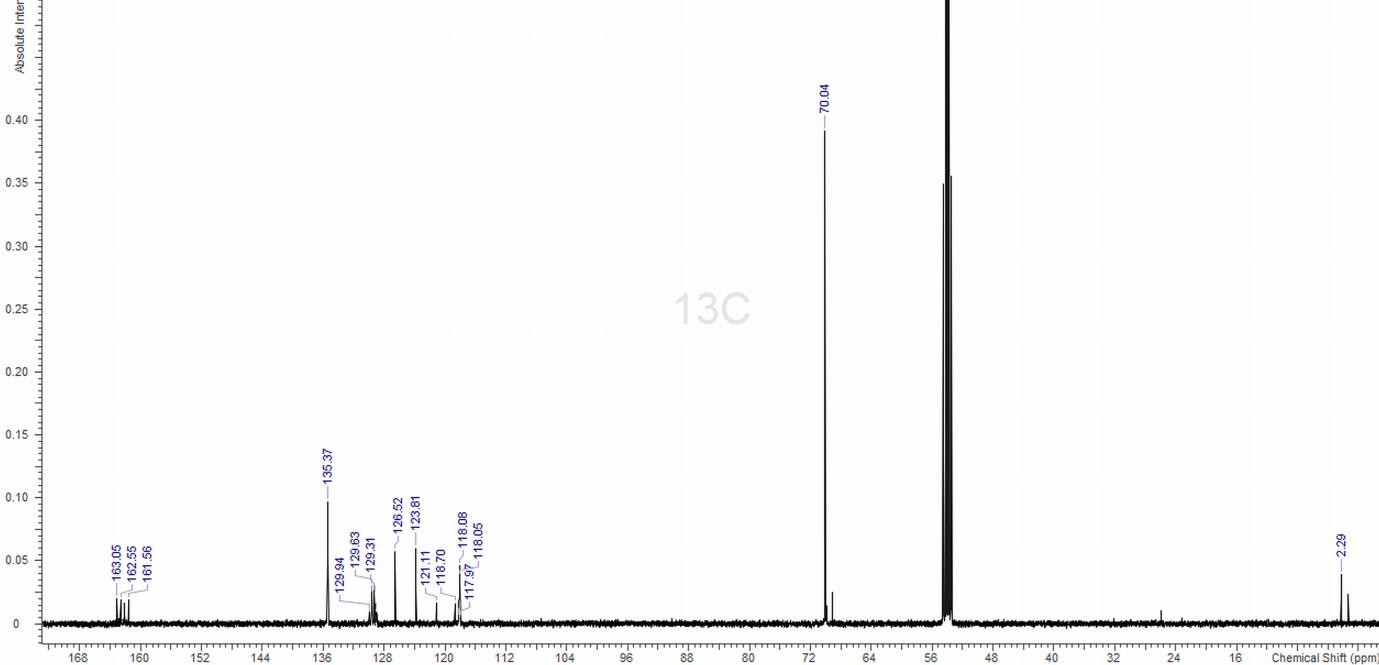


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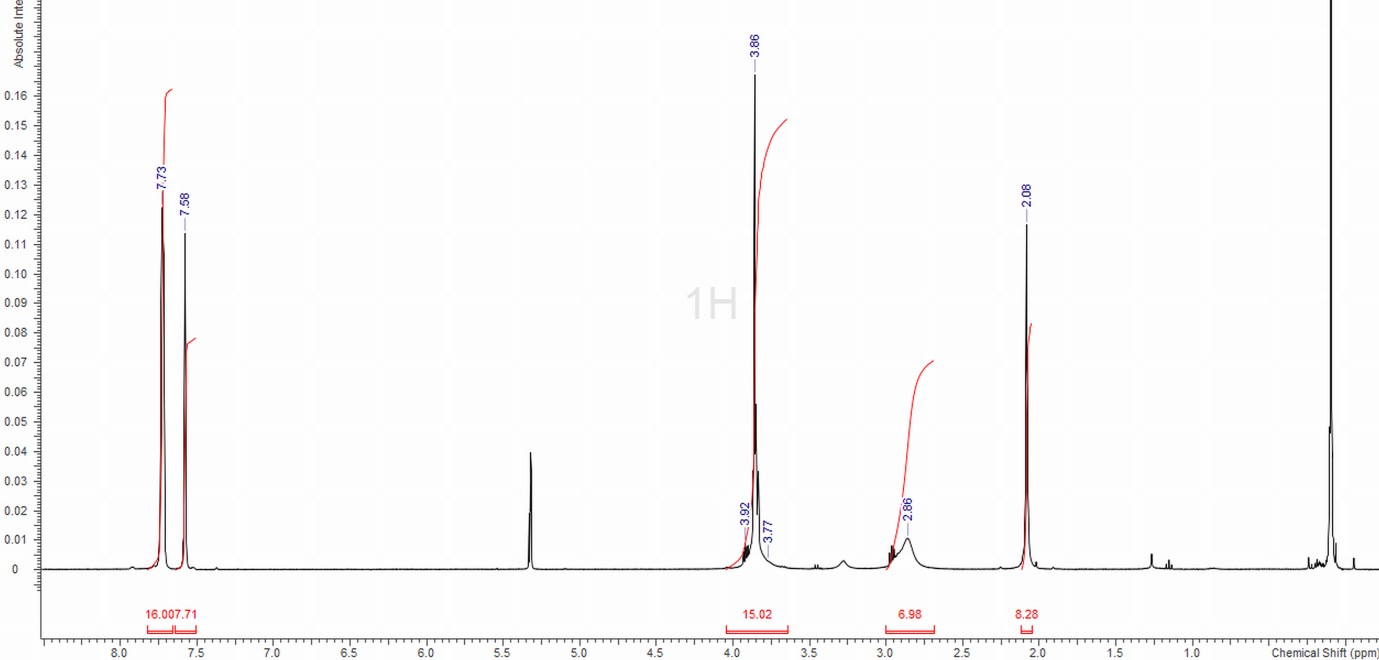


13C{1H} NMR spectrum (CD2Cl2, 298 K):

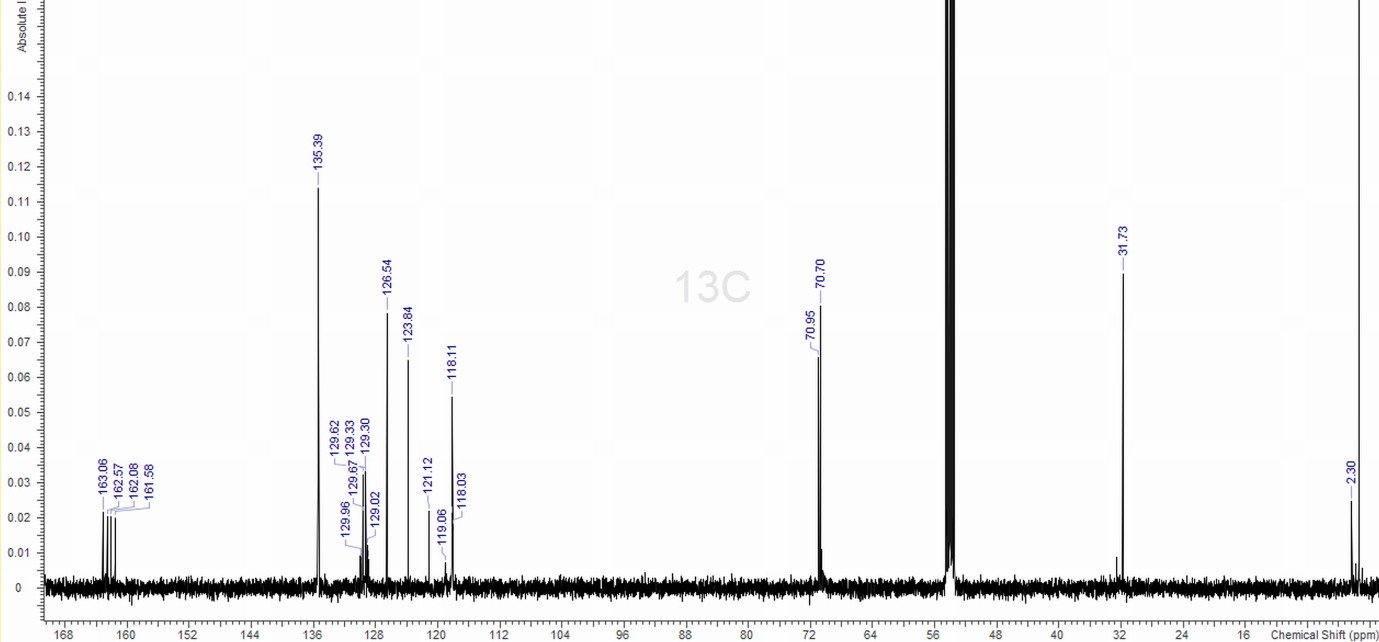


# [Ca([18]aneO4S2)(MeCN)2][BArF]2:

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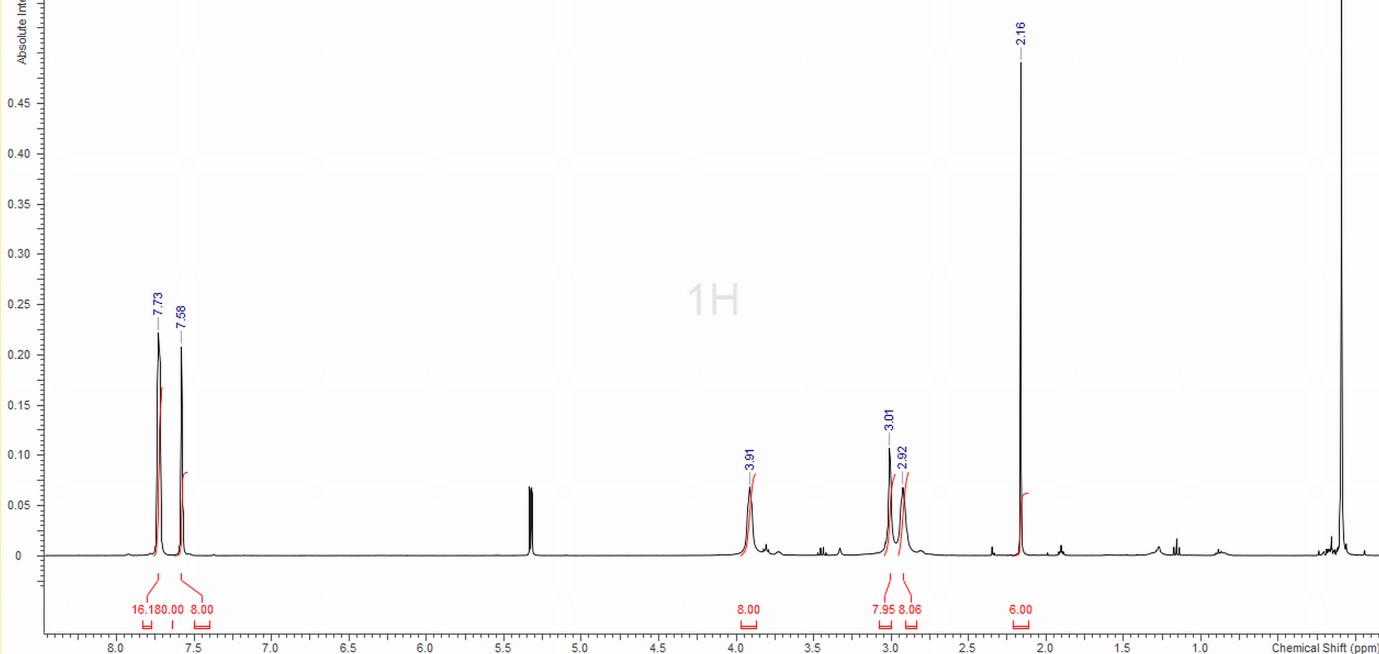


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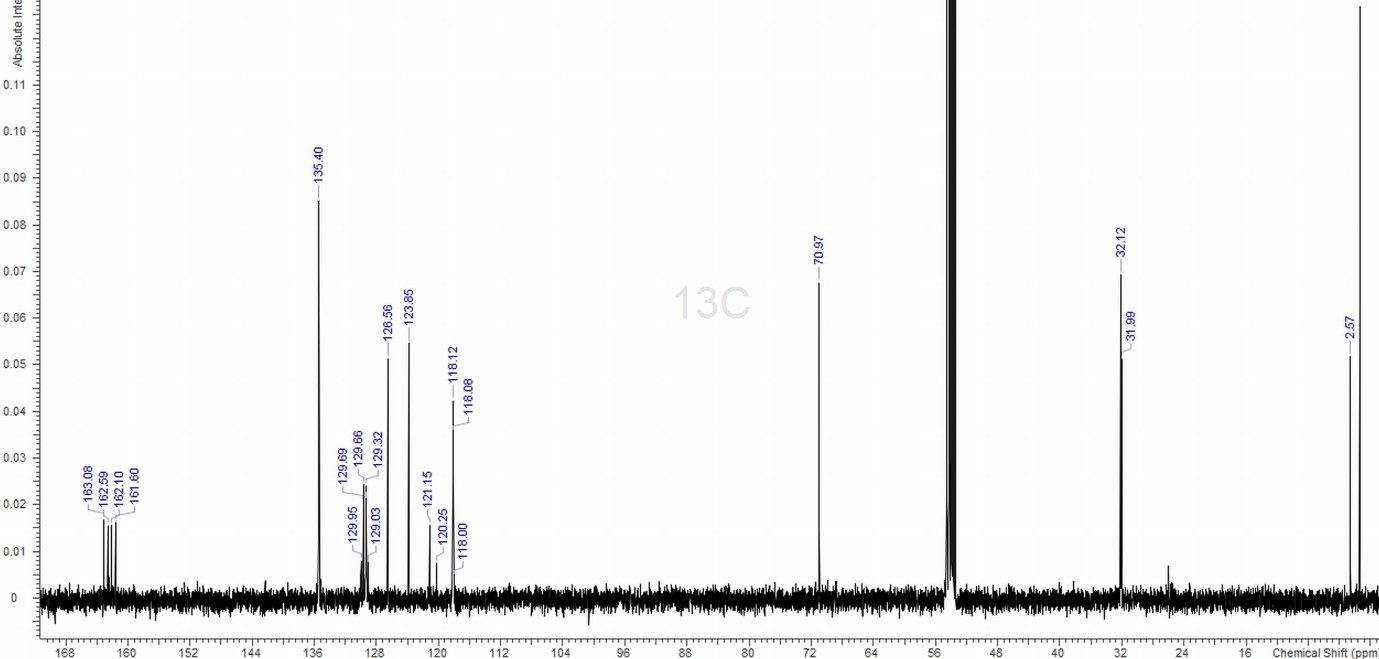


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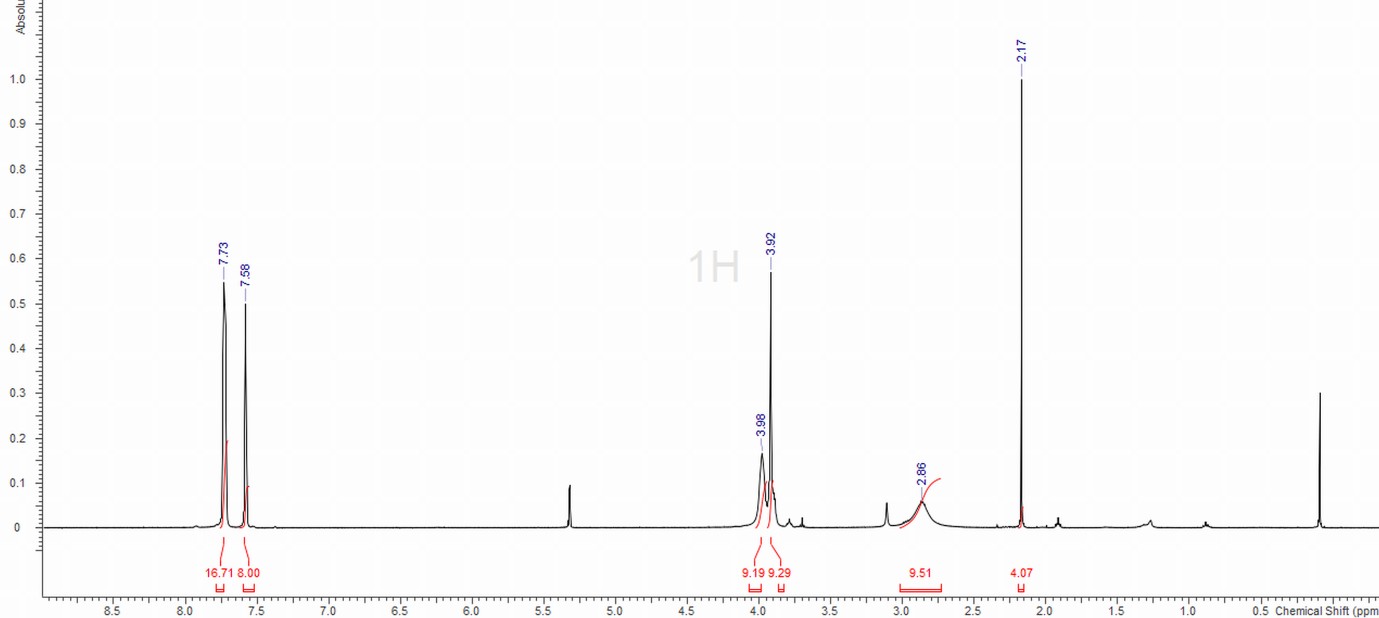


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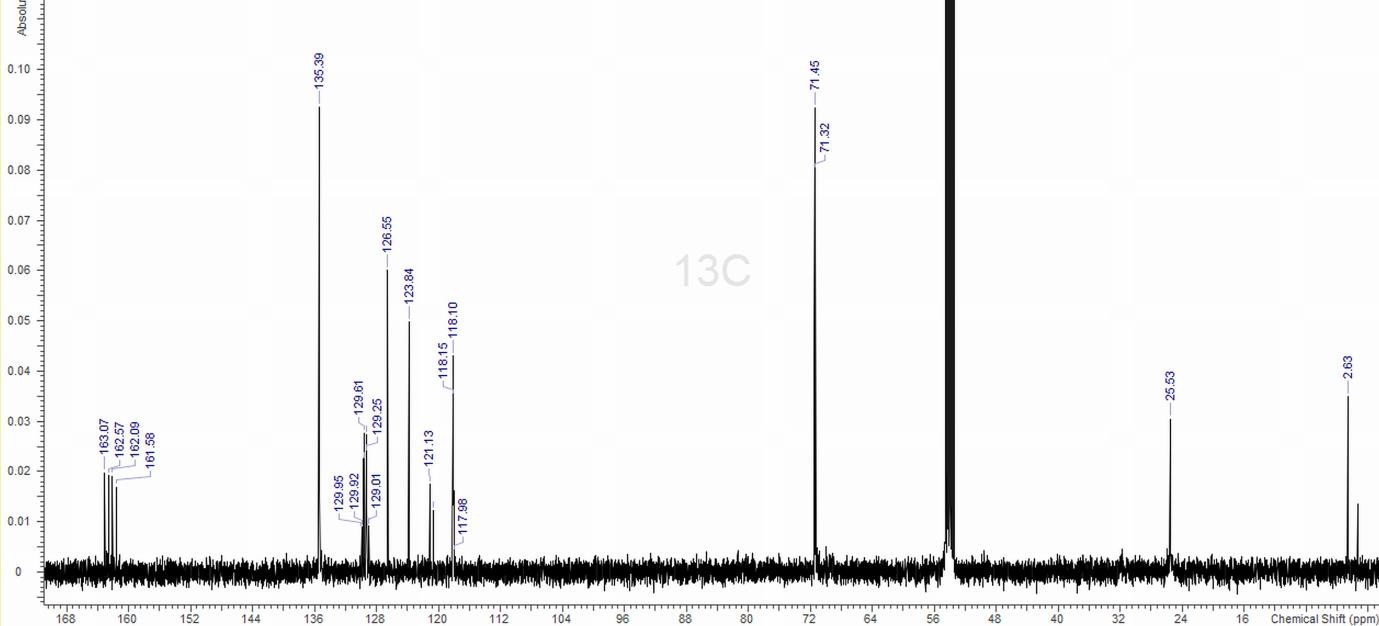


# [Ca([18]aneO4Se2)(MeCN)2][BArF]2:

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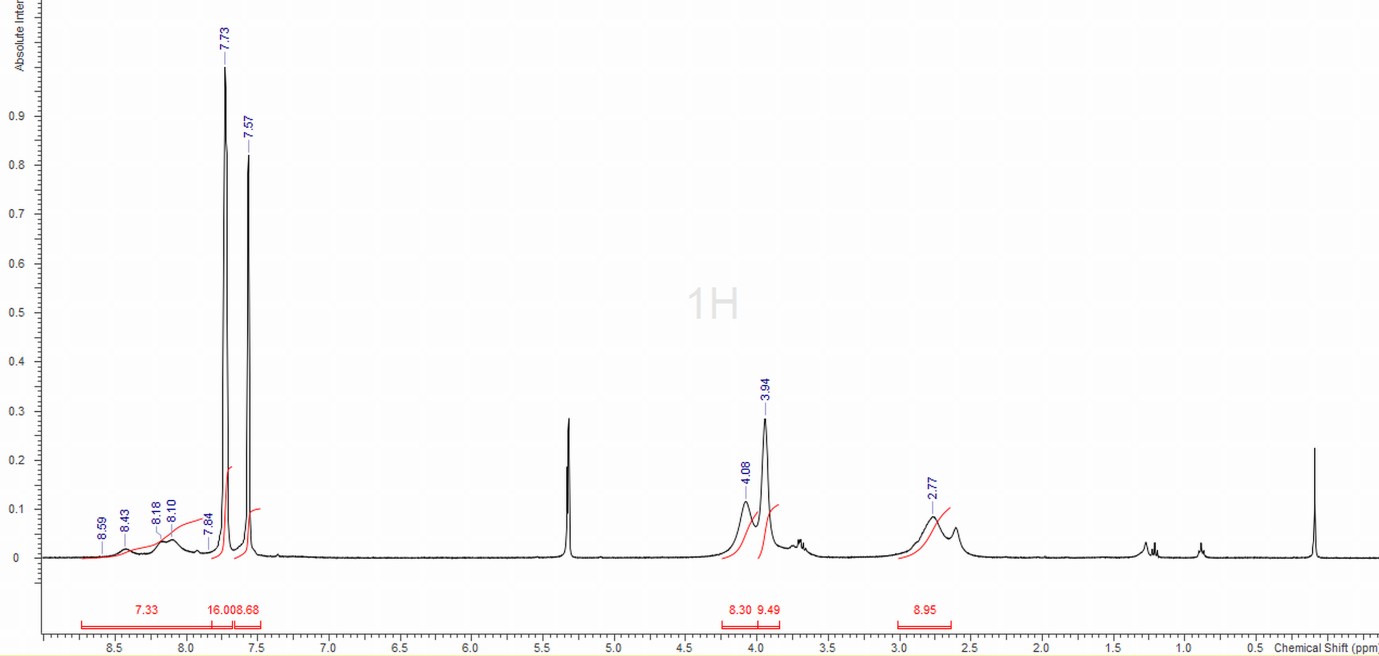


13C{1H} NMR spectrum (CD2Cl2, 298 K):

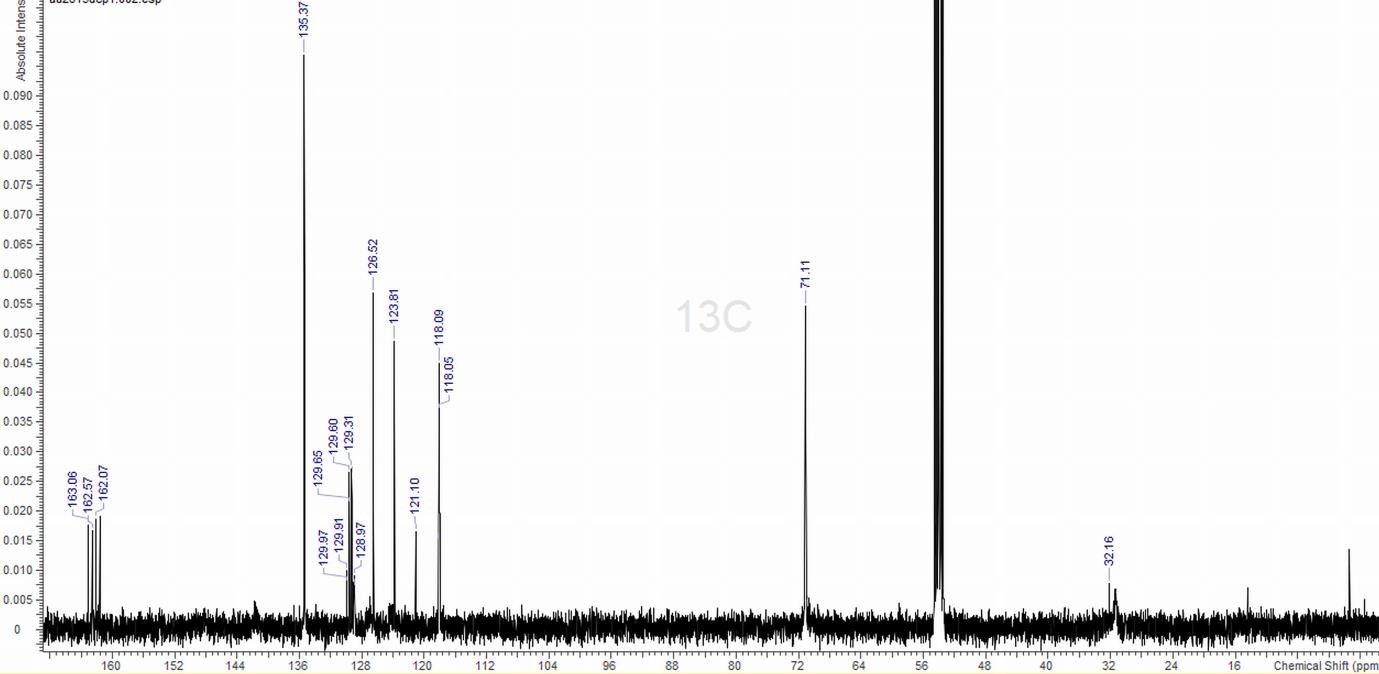


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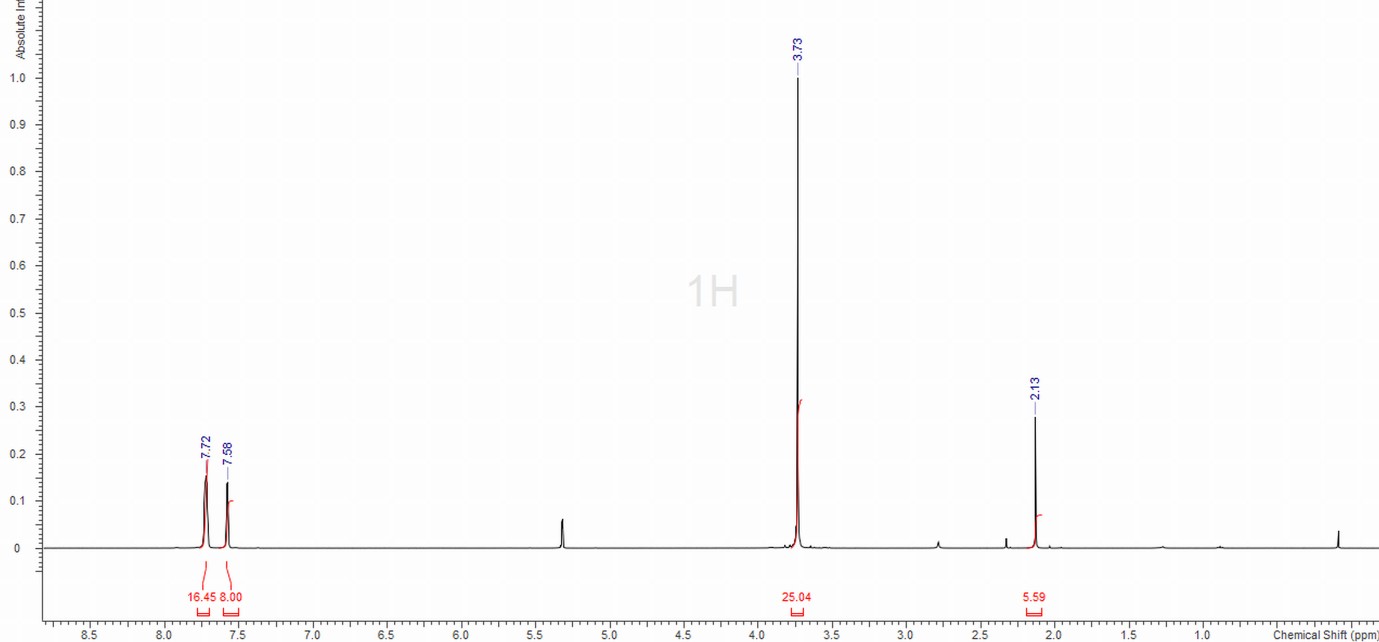


13C{1H} NMR spectrum (CD2Cl2, 298 K):

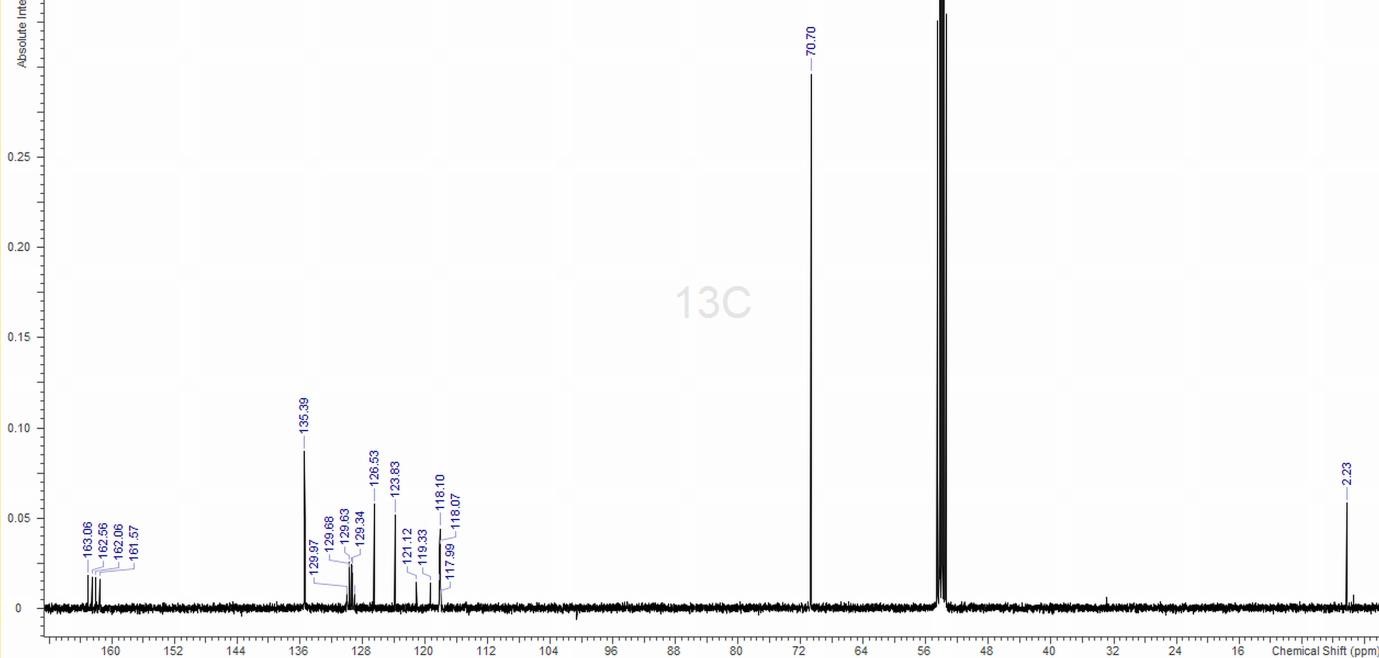


# [Sr(18-crown-6)(MeCN)2][BArF]2:

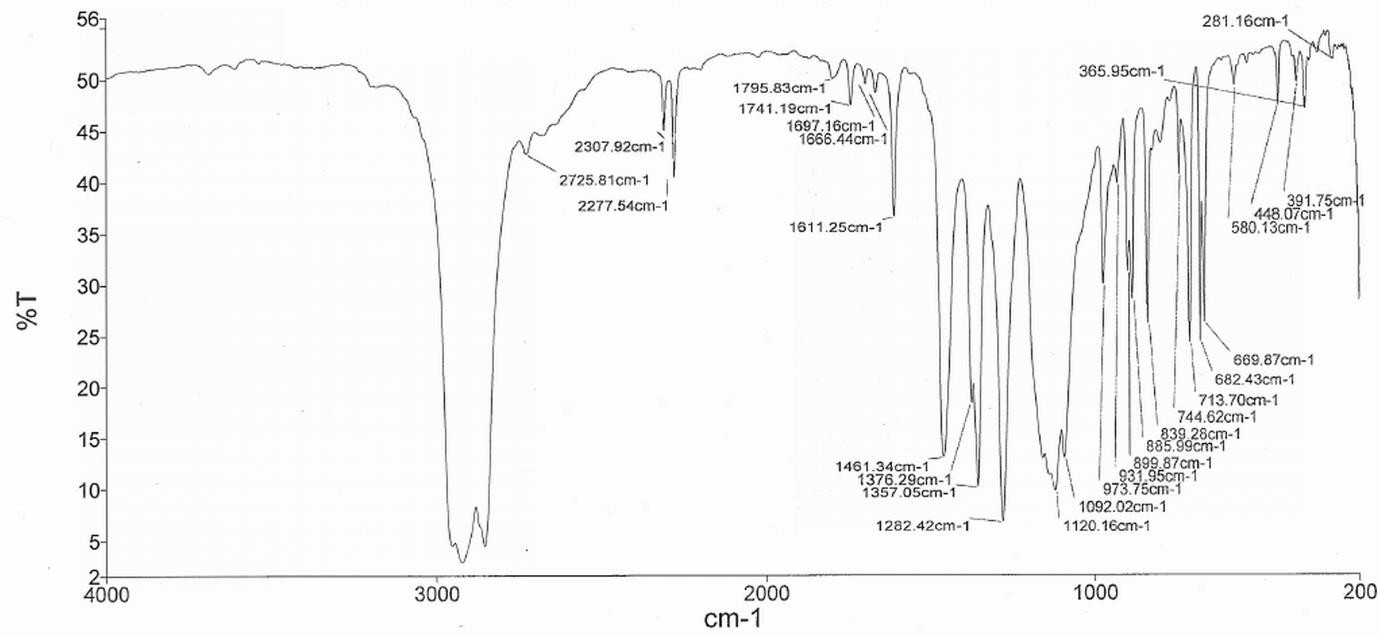
1H NMR spectrum (CD2Cl2, 298 K):



13C{1H} NMR spectrum (CD2Cl2, 298 K):

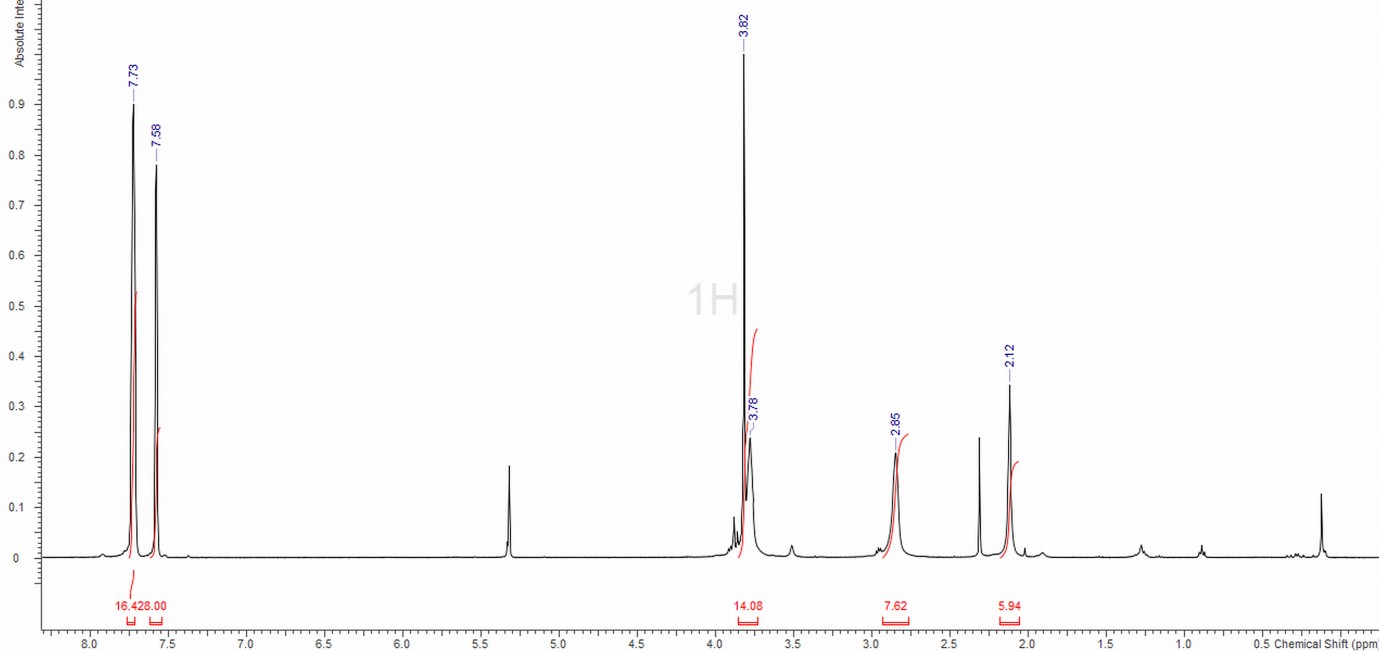


IR spectrum (Nujol):

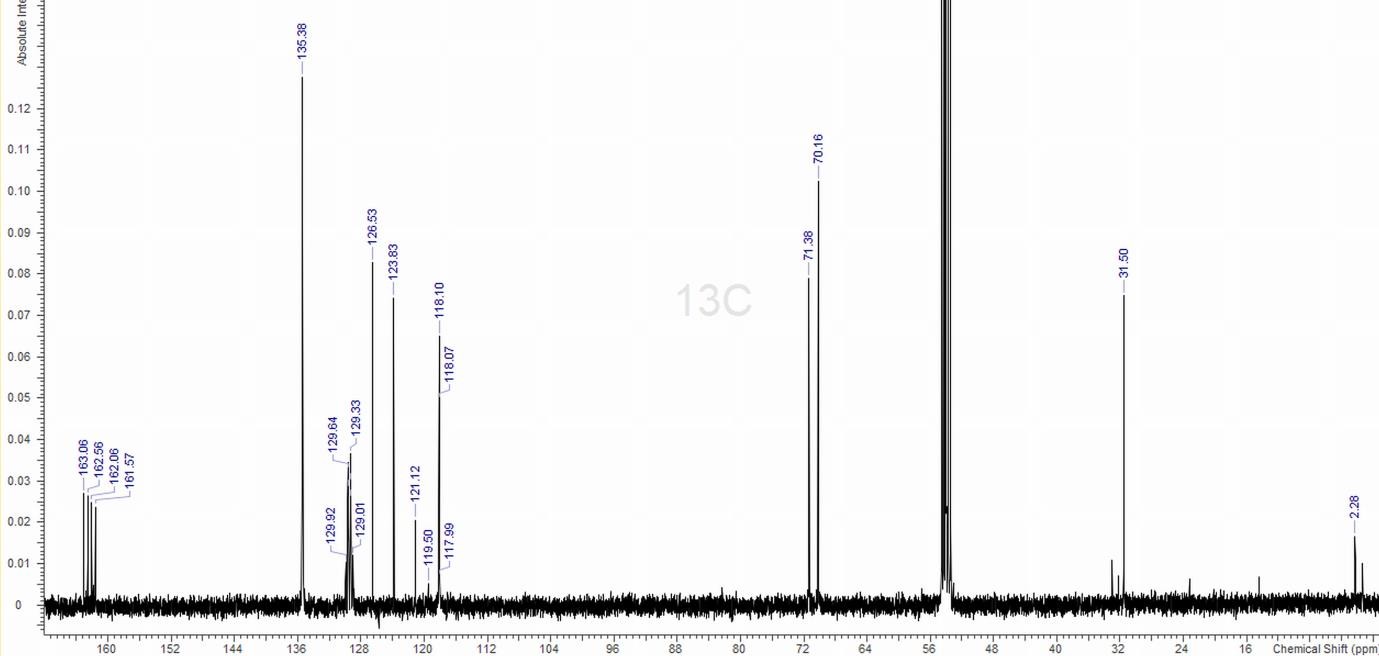


# [Sr([18]aneO4S2)(MeCN)2][BArF]2:

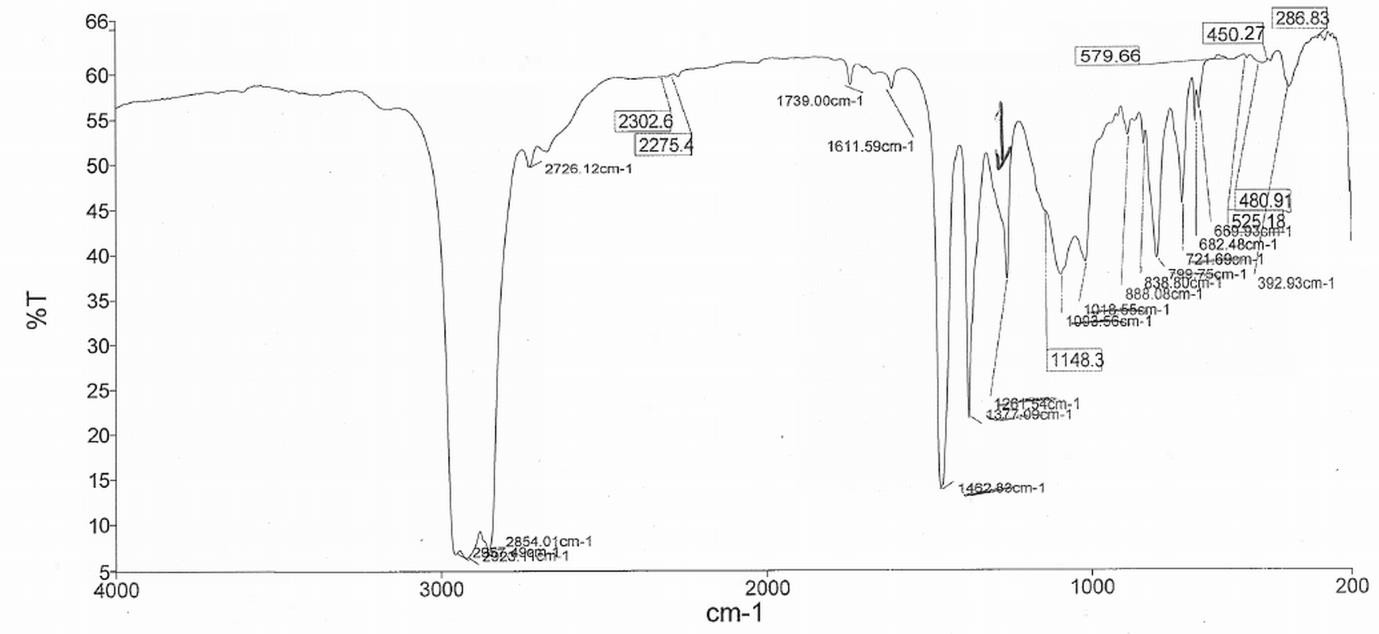
1H NMR spectrum (CD2Cl2, 298 K):



13C{1H} NMR spectrum (CD2Cl2, 298 K):

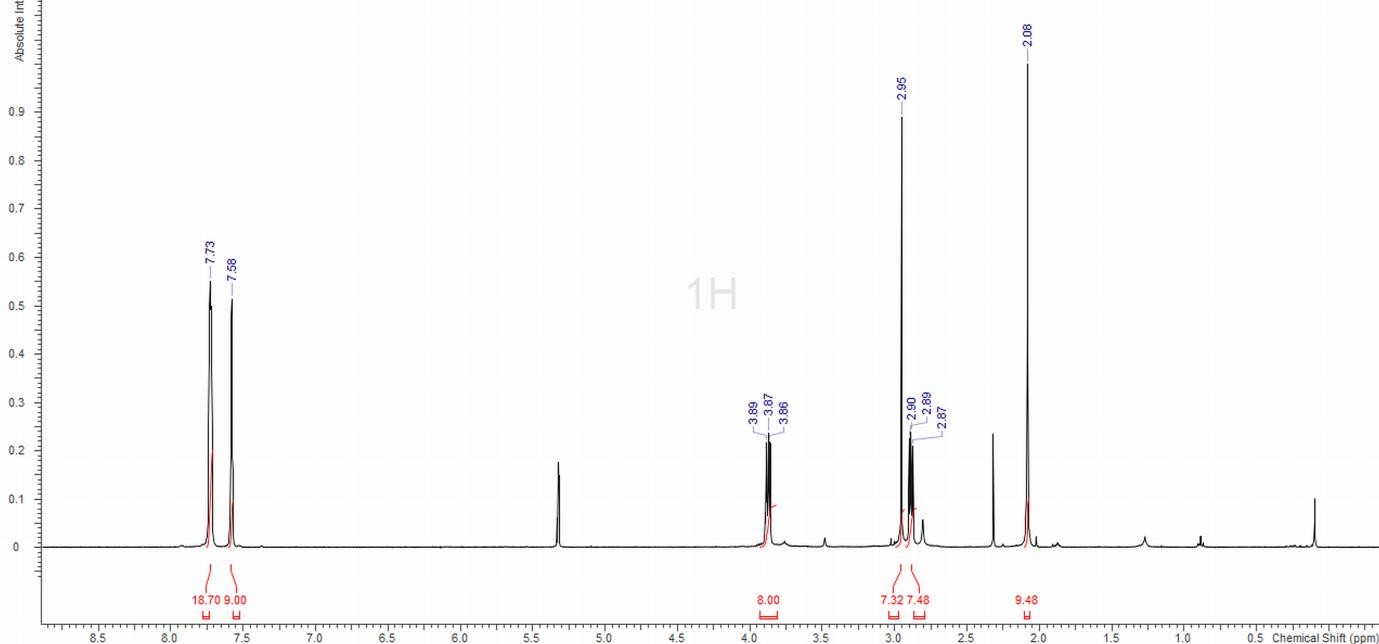


IR spectrum (Nujol):

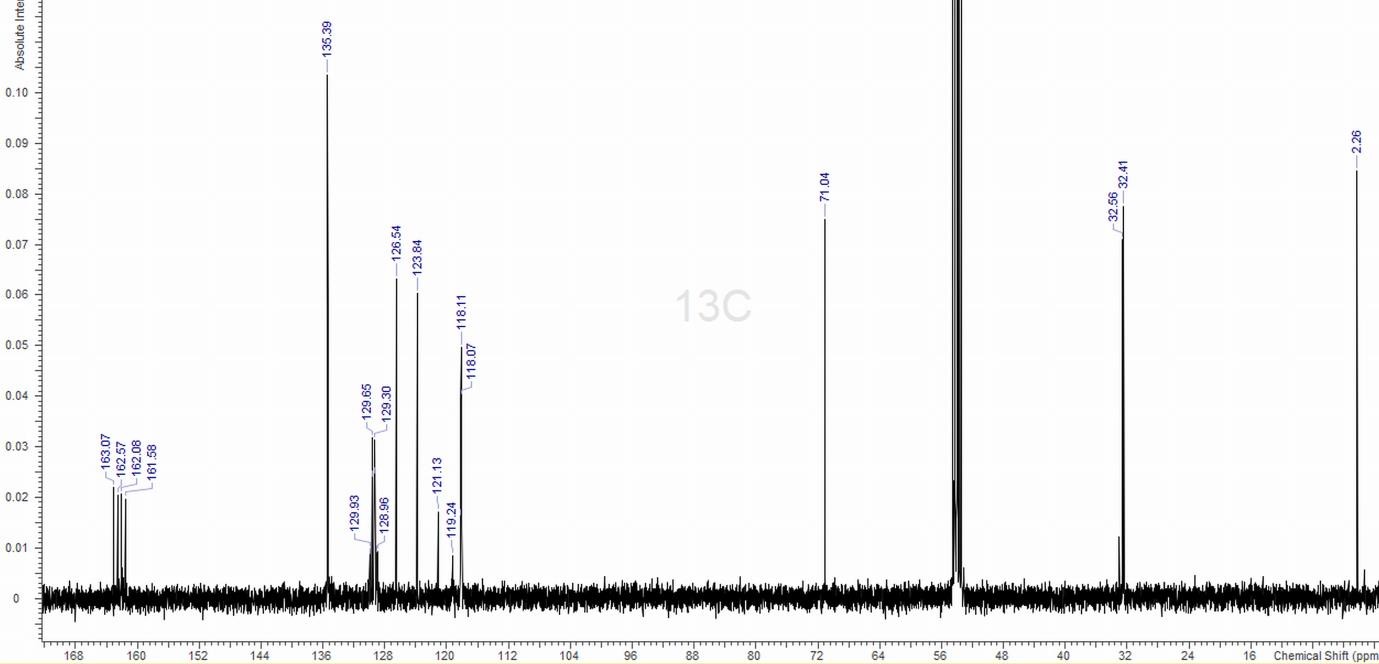


# [Sr([18]aneO2S4)(MeCN)2][BArF]2:

1H NMR spectrum (CD2Cl2, 298 K):



13C{1H} NMR spectrum (CD2Cl2, 298 K):

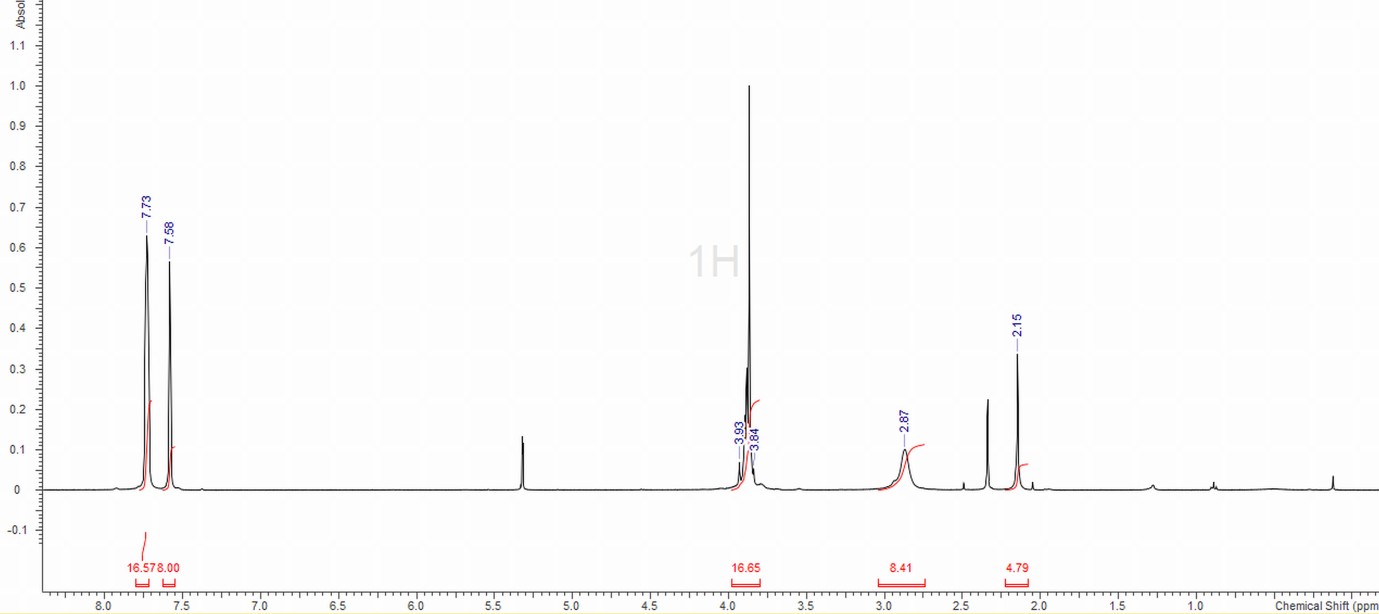


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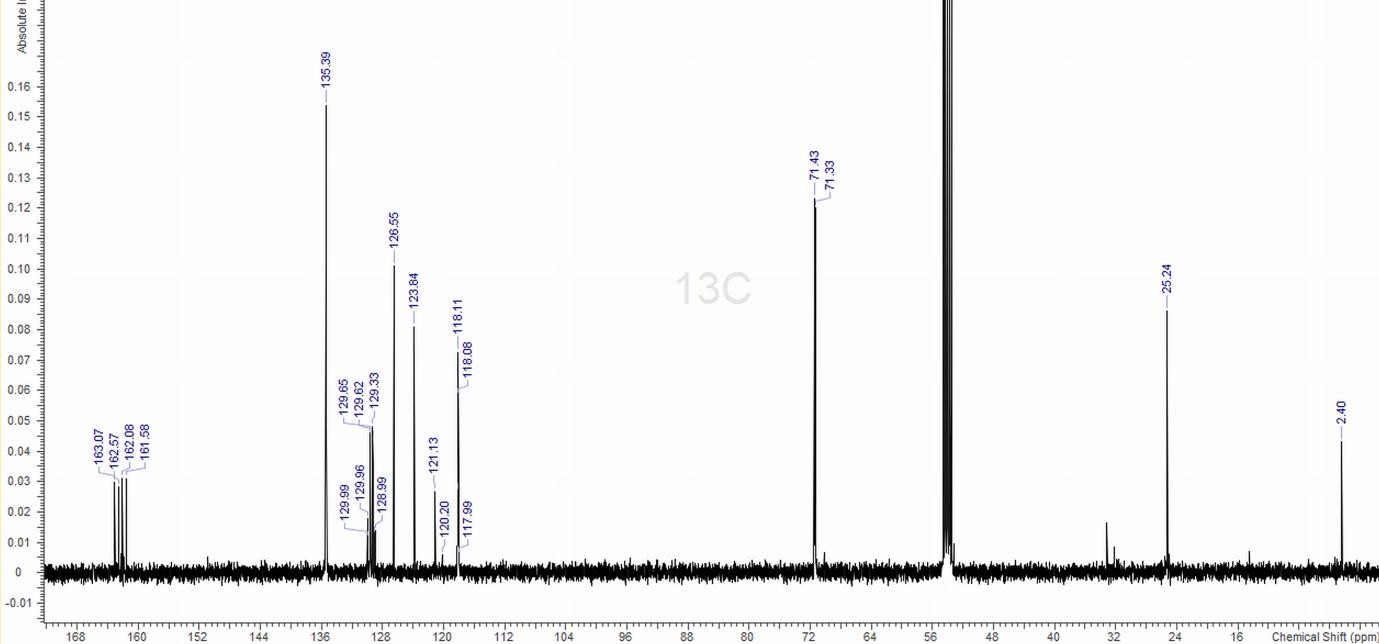


# [Sr([18]aneO4Se2)(MeCN)2][BArF]2:

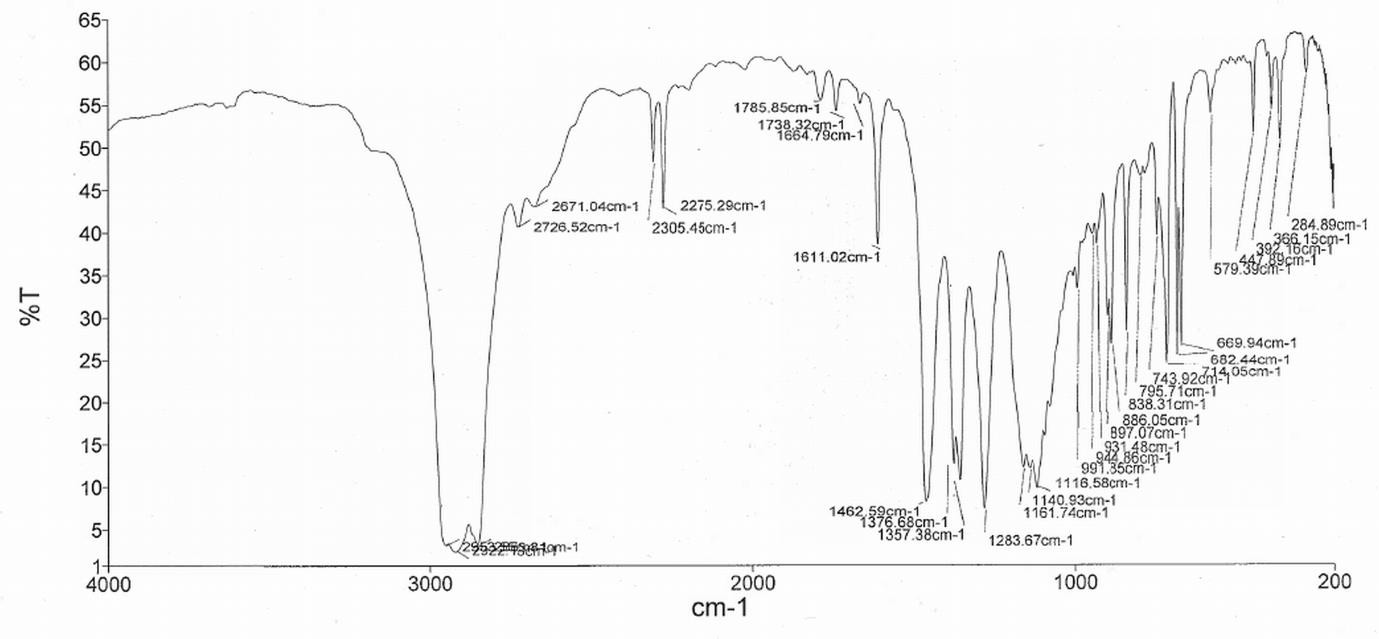
1H NMR spectrum (CD2Cl2, 298 K):



13C{1H} NMR spectrum (CD2Cl2, 298 K):

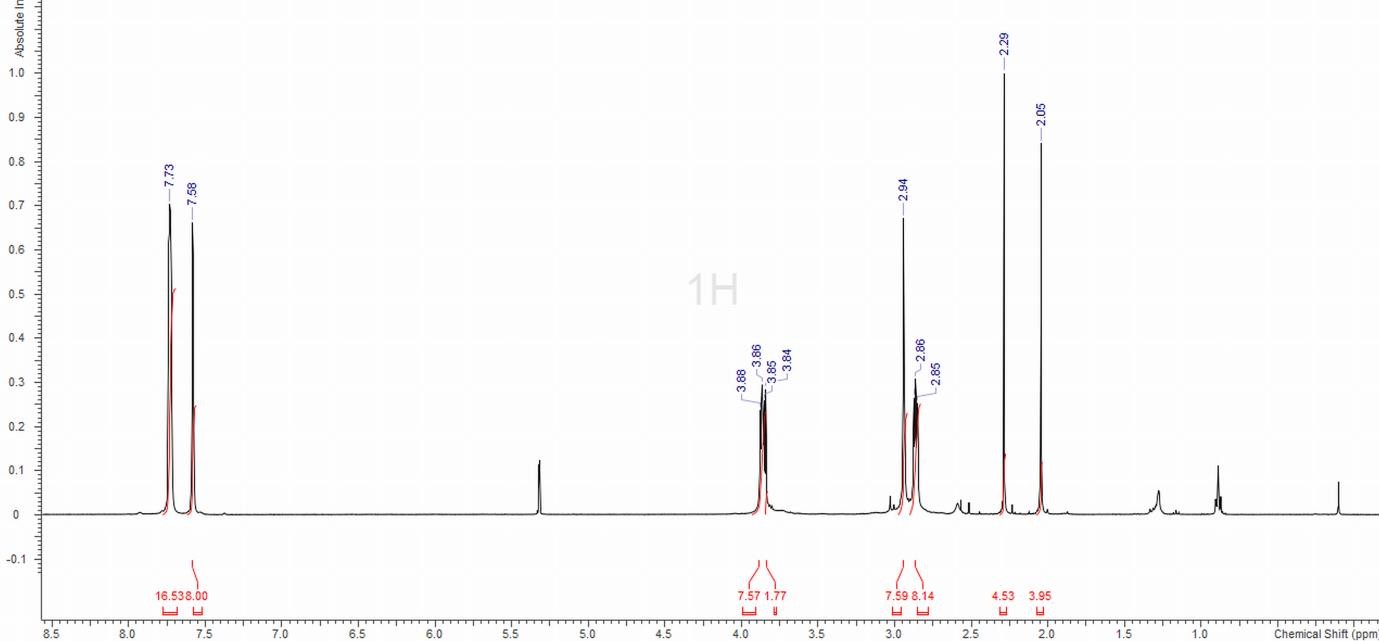


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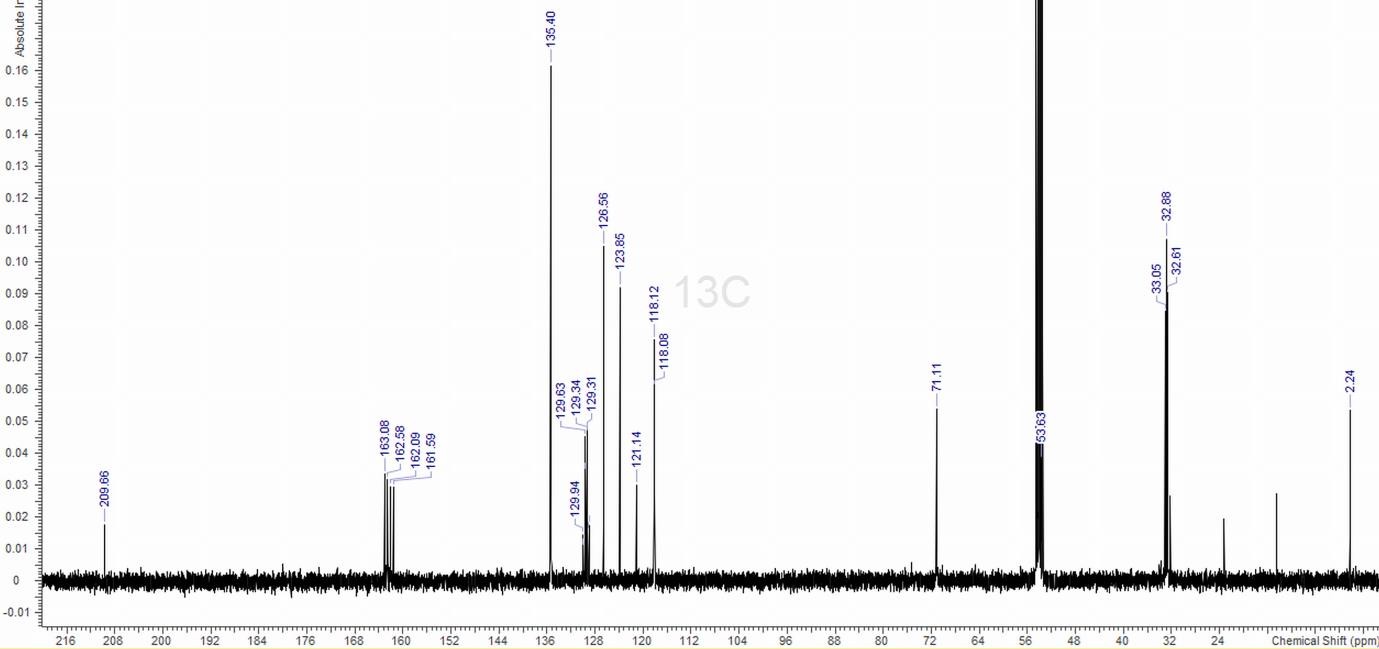


# [Ba([18]aneO2S4)(acacH)(MeCN)][BArF]2:

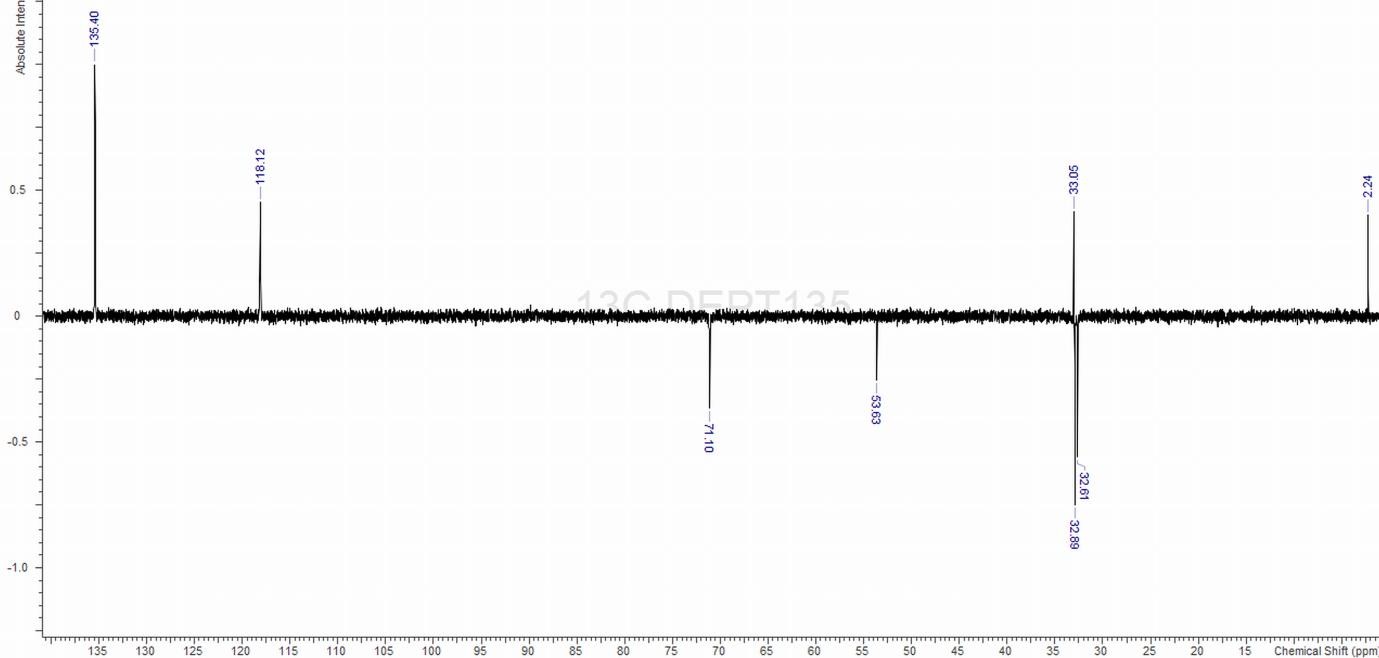
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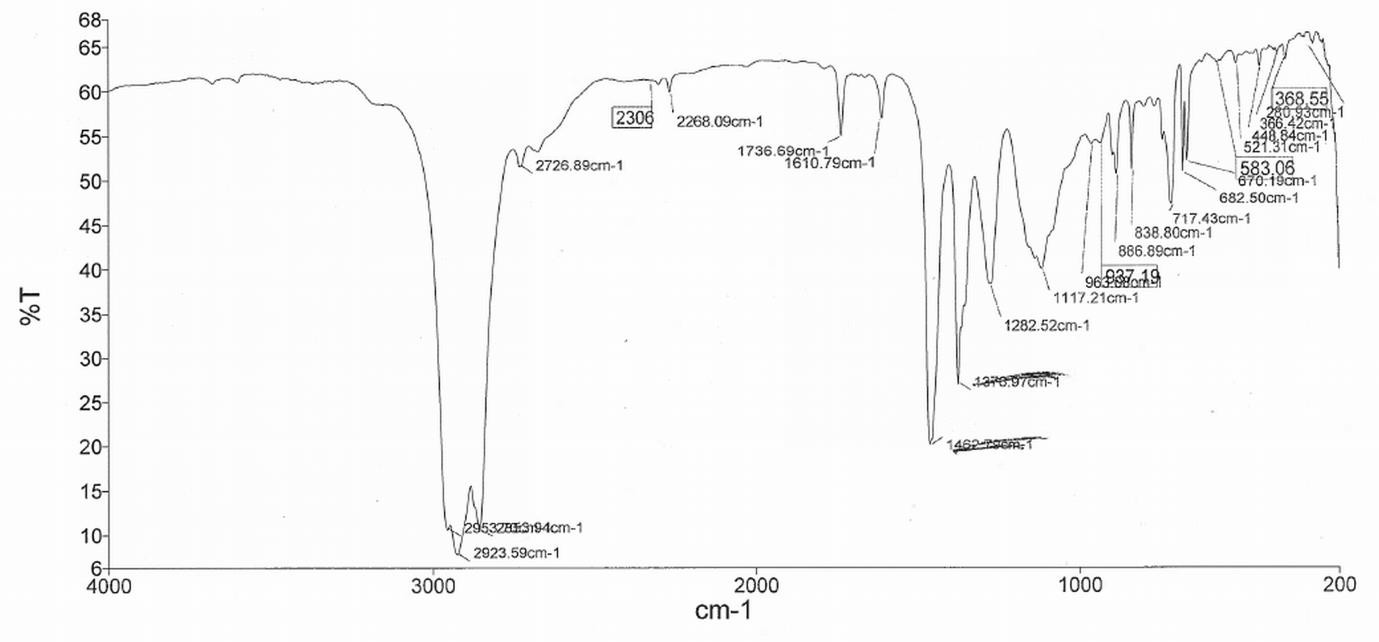
13C{1H} NMR spectrum (CD2Cl2, 298 K):



DEPT-135 NMR spectrum (CD2Cl2, 298 K):

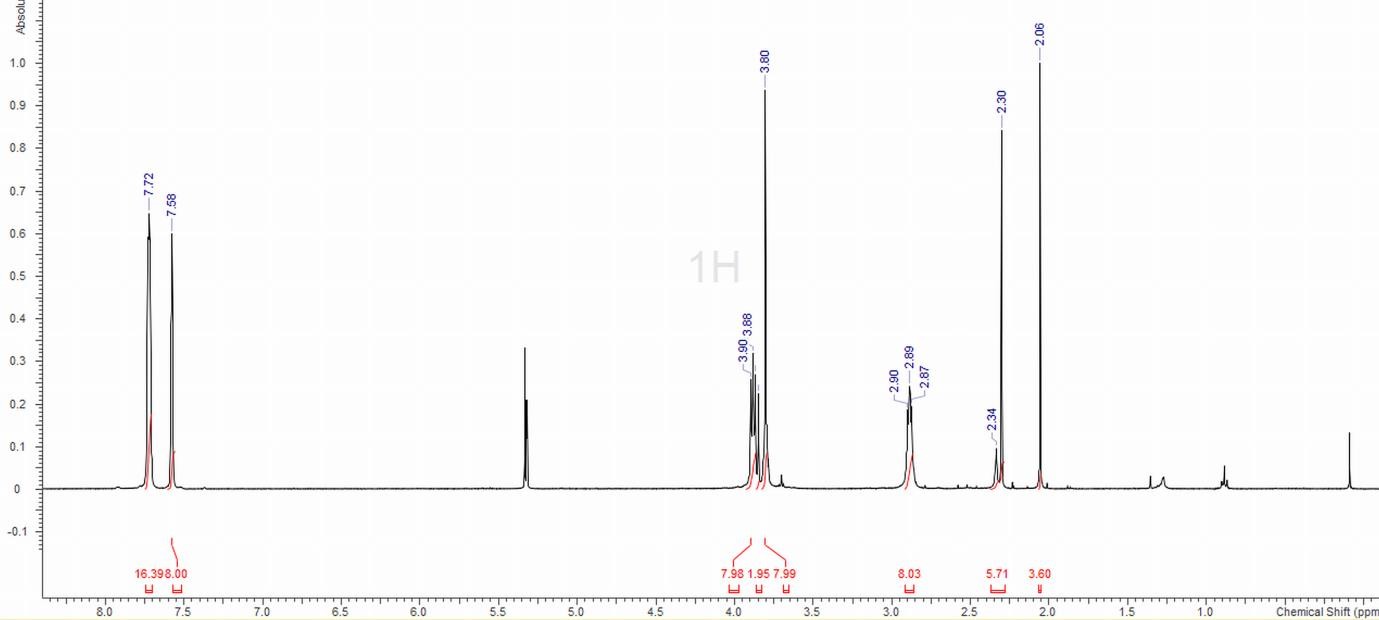


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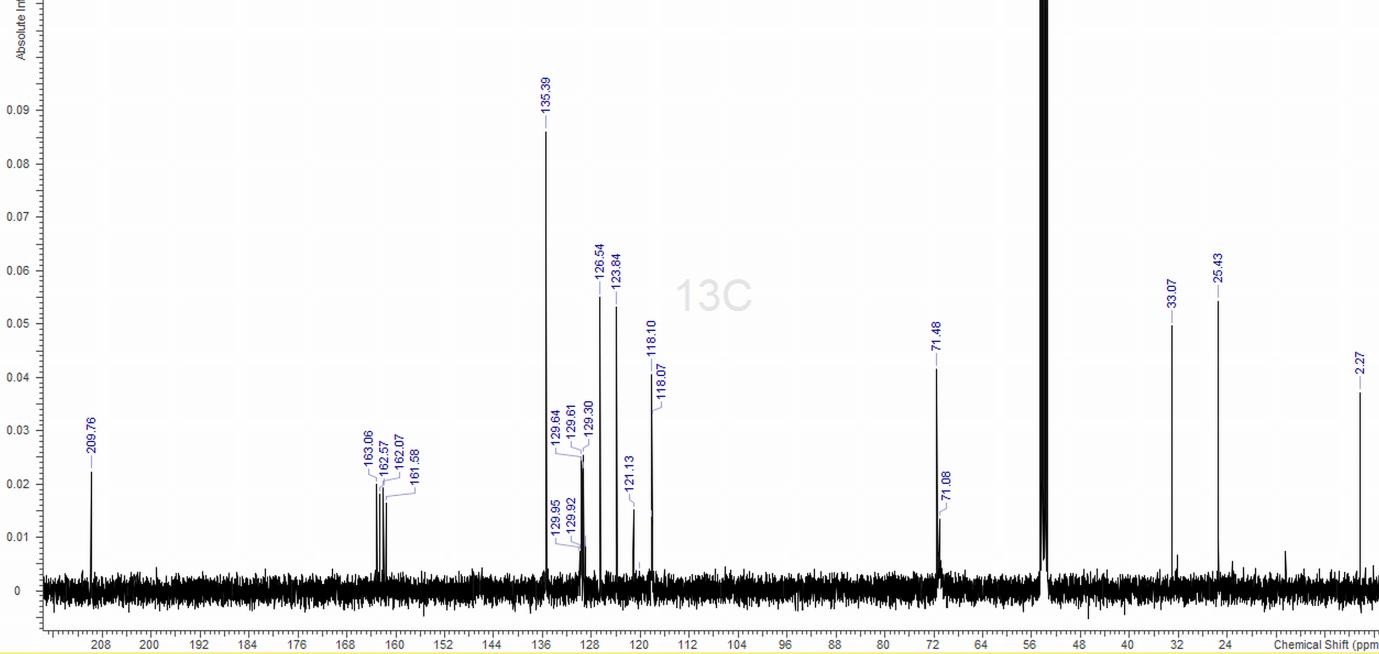


# [Ba([18]aneO4Se2)(acacH)(MeCN)][BArF]2:

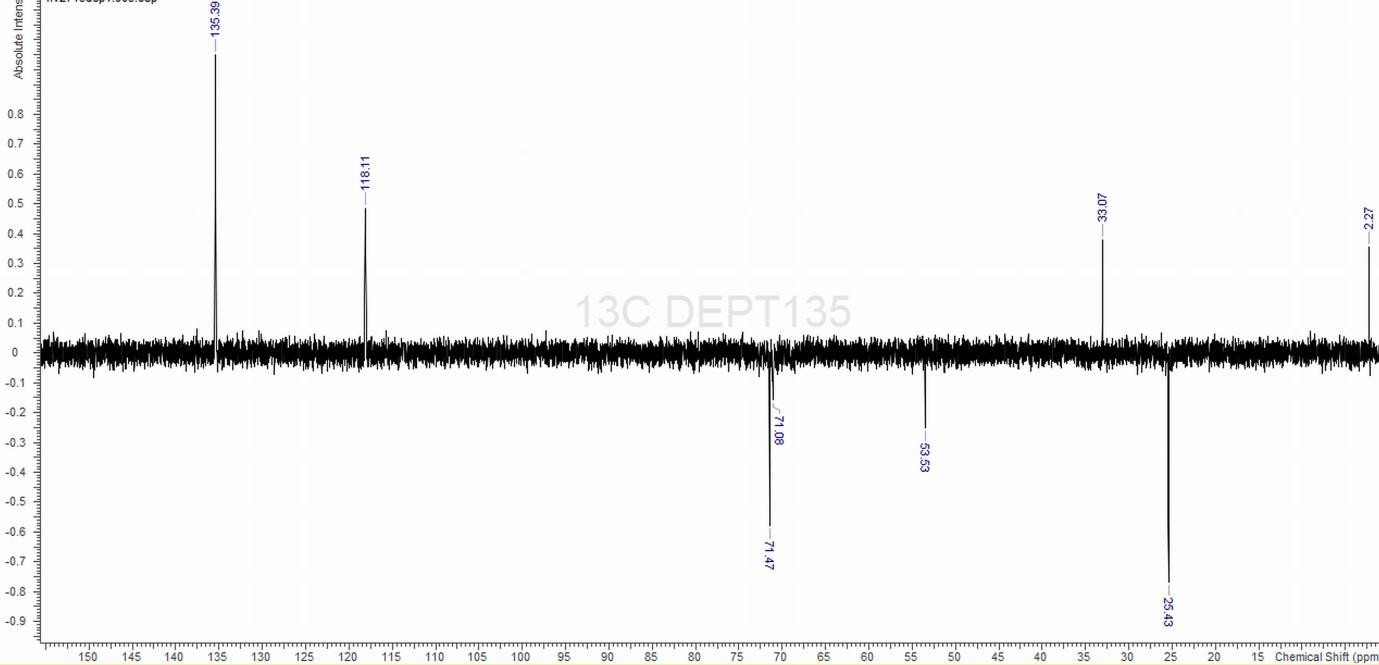
1H NMR spectrum (CD2Cl2, 298 K):



13C{1H} NMR spectrum (CD2Cl2, 298 K):



DEPT-135 NMR spectrum (CD2Cl2, 298 K):



IR spectrum (Nujol):

