

Synthetic, Spectroscopic, and Structural Studies on Organoimido Molybdenum, Tungsten, and Rhenium Phthalocyanines

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Supporting Information

Selected analytical data of compounds **1-7** are given.

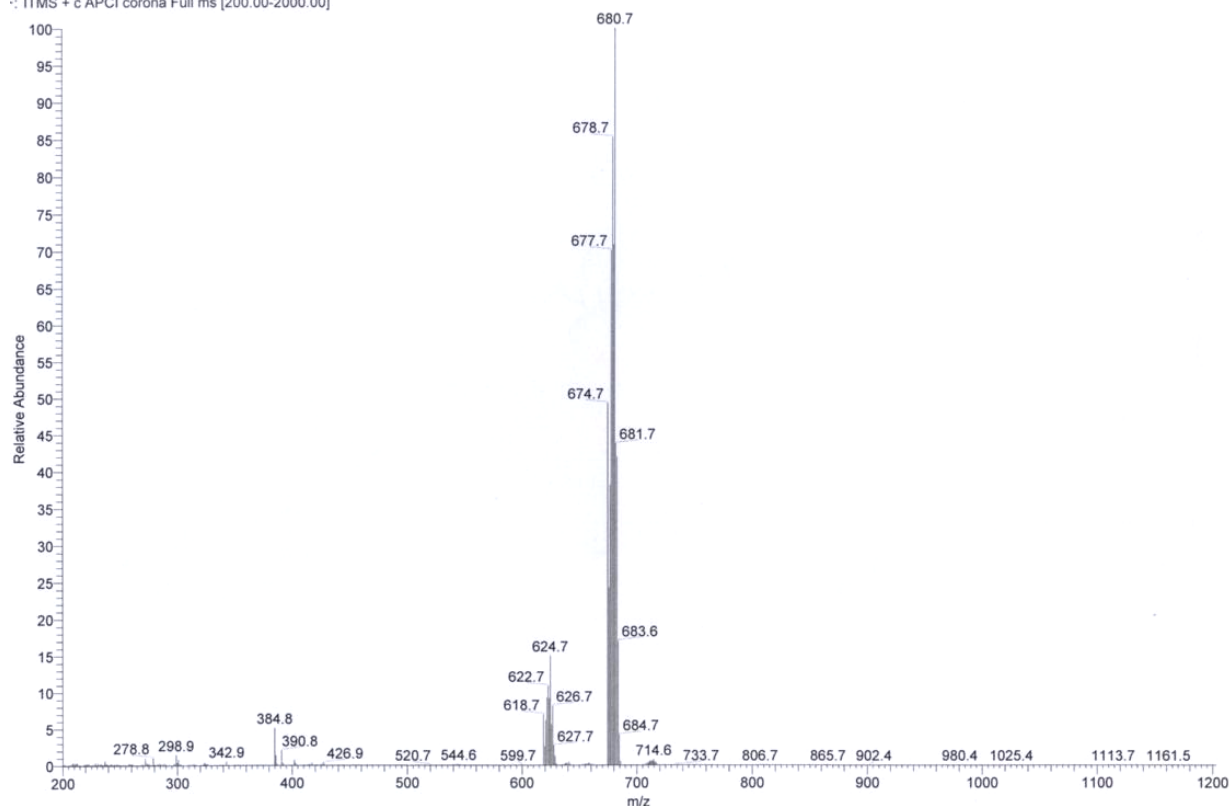
APCI-HRMS spectrum of 1	2
APCI-HRMS spectrum of 2	3
APCI-HRMS spectrum of 3	4
APCI-HRMS spectrum of 4	5
APCI-HRMS spectrum of 5	6
APCI spectrum and ¹ H NMR spectrum of 6	7
MALDI-TOF spectrum and ¹ H NMR spectrum of 7	8

[PcMo(NtBu)Cl] 1

Seikel_es-85-APCI_091123115308

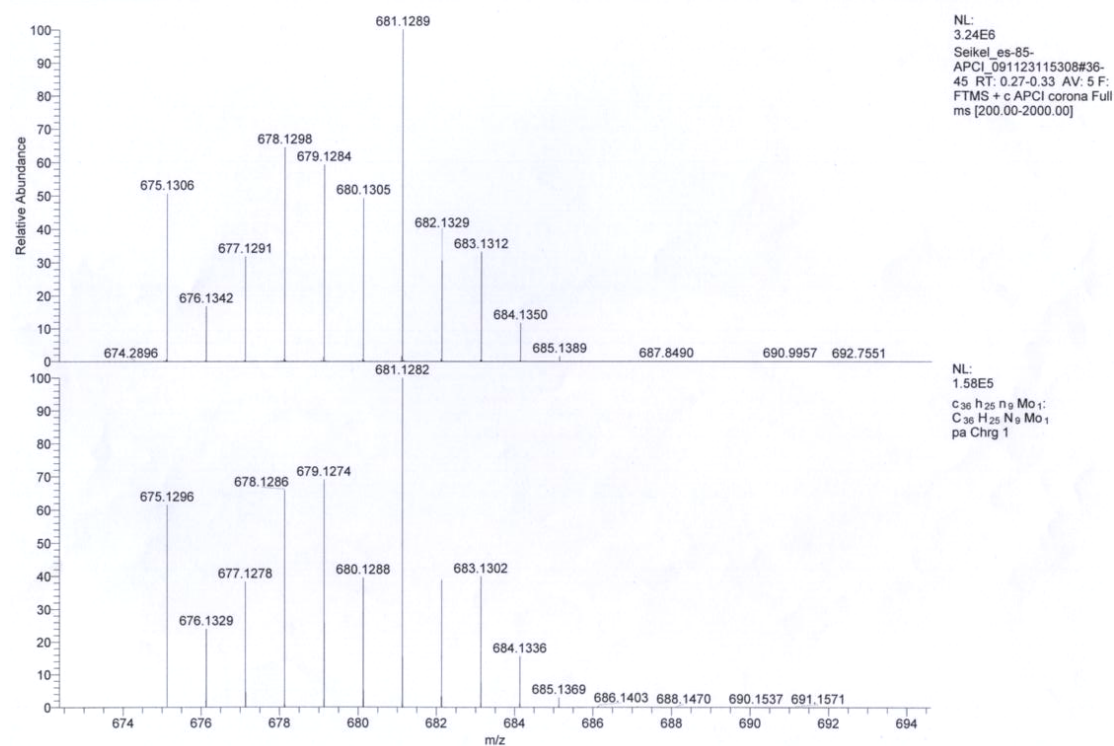
11/23/2009 11:53:08 AM

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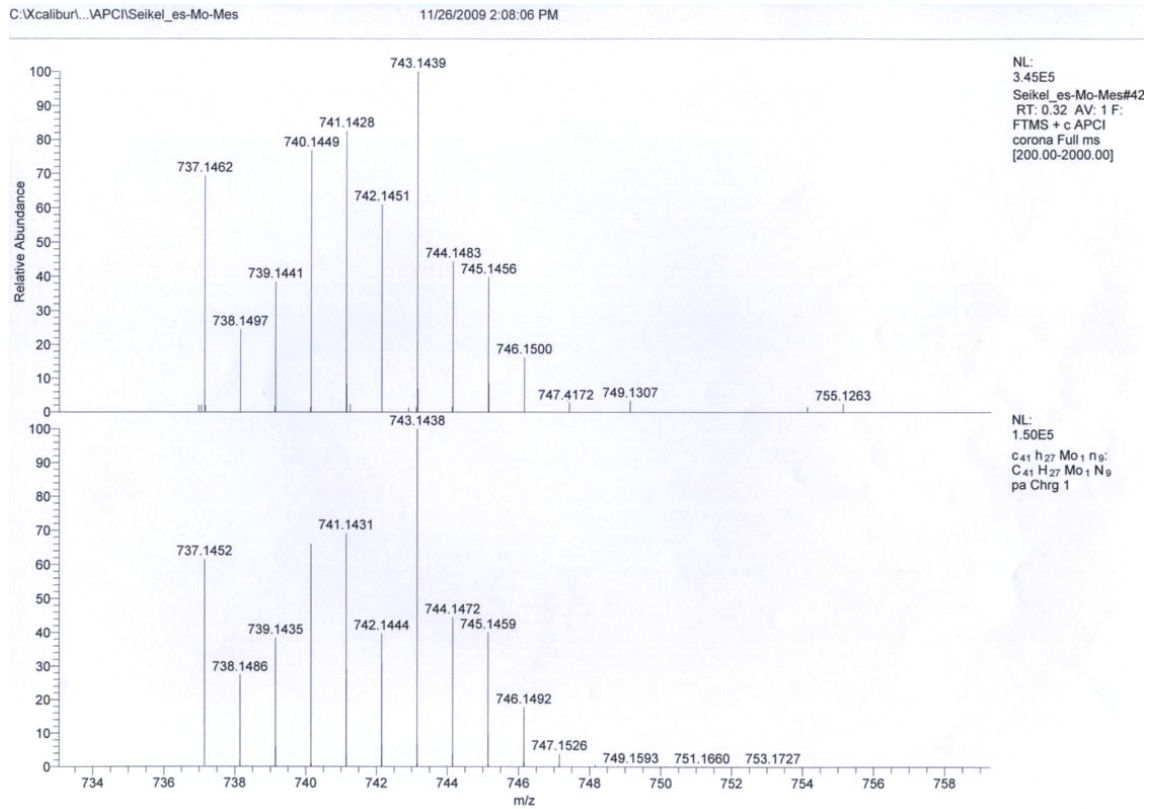
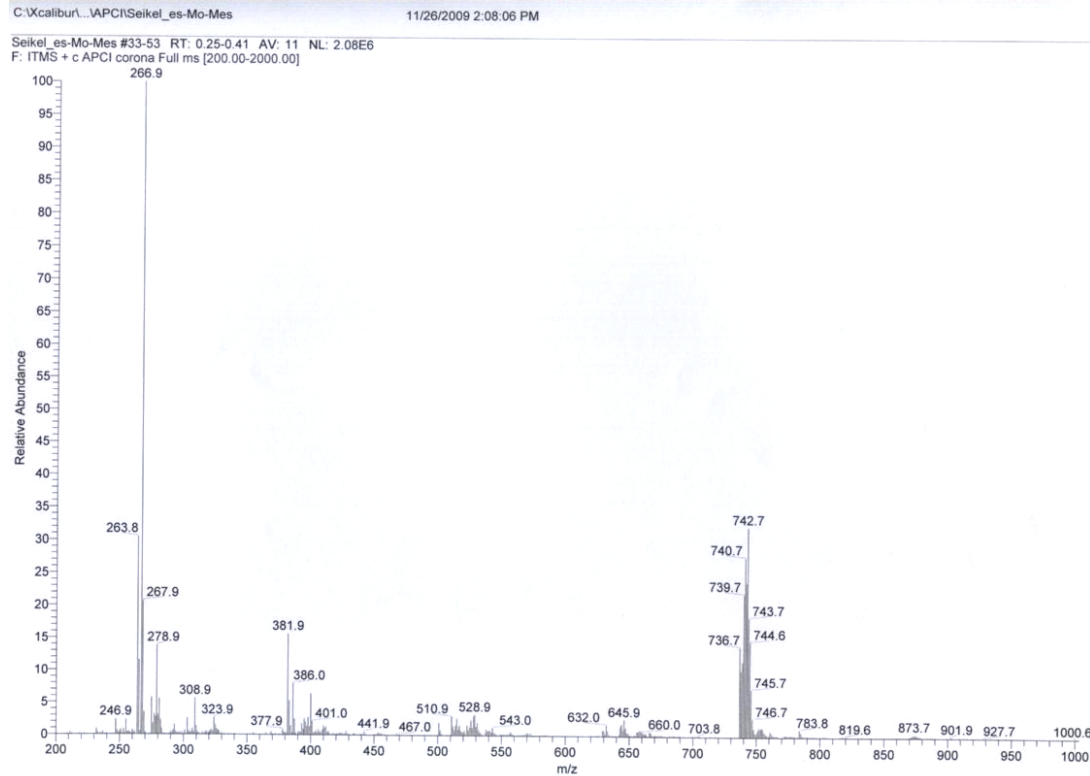
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APCI-MS (top) and APCI-HRMS (bottom) of 1.

[PcMo(NMes)Cl] 2



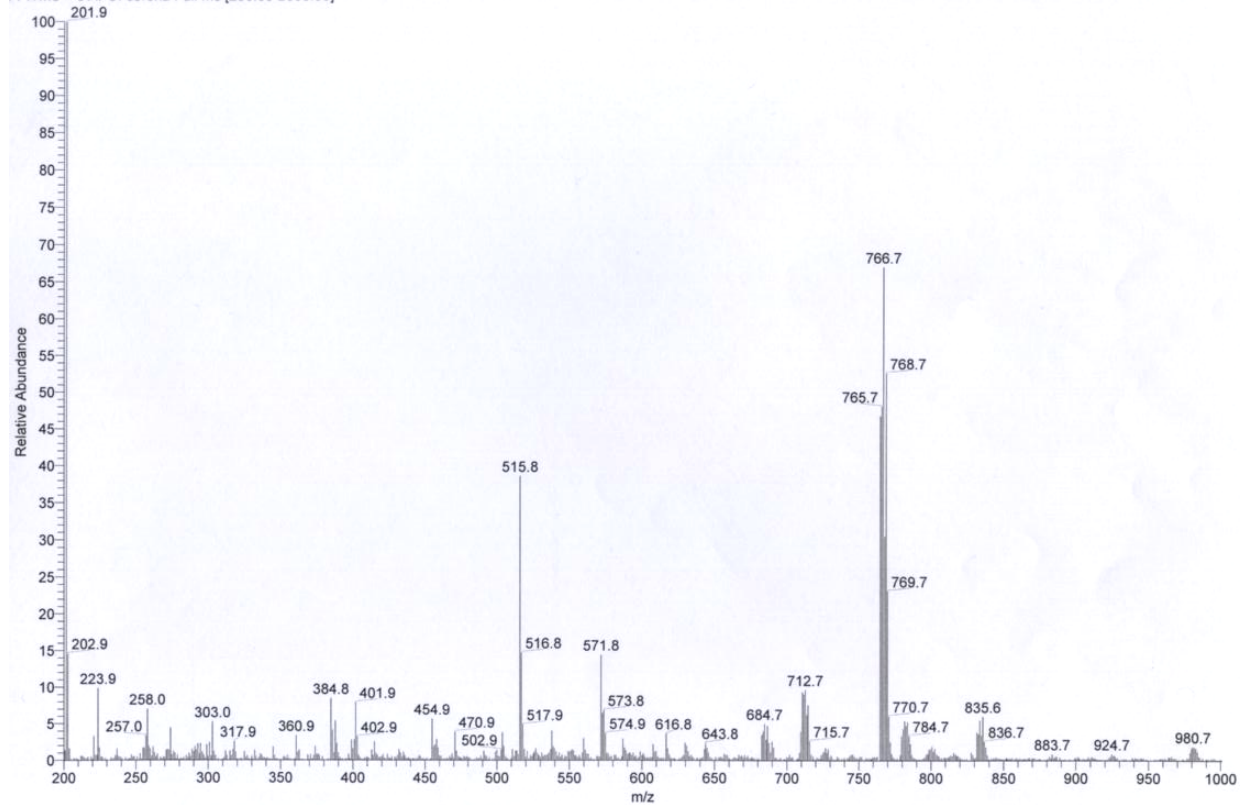
APCI-MS (top) and APCI-HRMS (bottom) of 2.

[PcW(NtBu)Cl] 3

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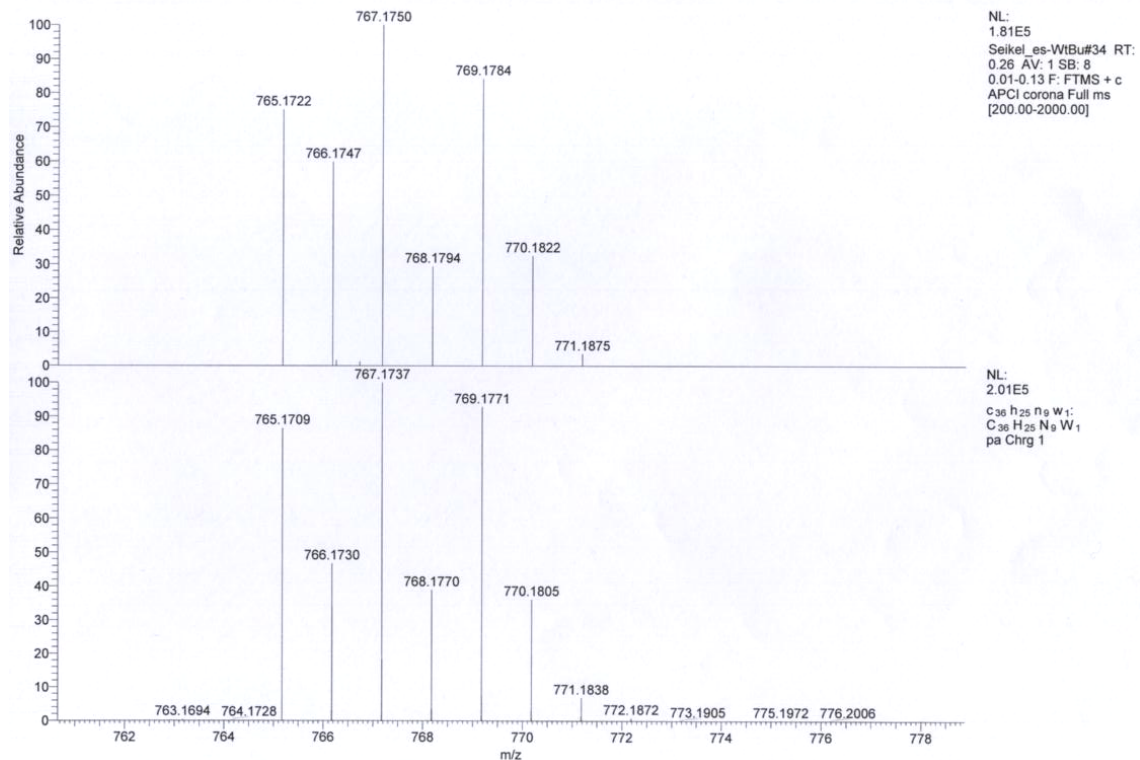
11/26/2009 2:27:24 PM

Seikel_es-WtBu #32-52 RT: 0.25-0.39 AV: 10 SB: 9 0.01-0.13 NL: 3.43E5
F: FTMS + c APCI corona Full ms [200.00-2000.00]



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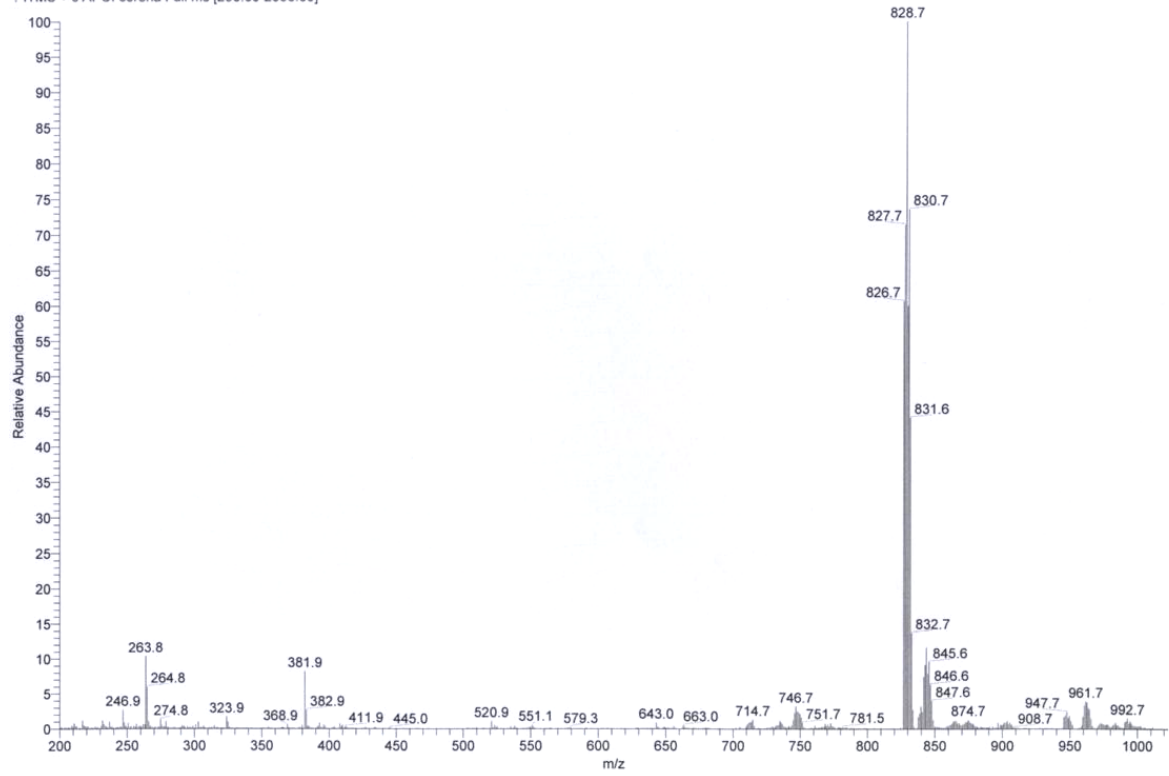
APCI-MS (top) and APCI-HRMS (bottom) of 3.

[PcW(NMes)Cl] 4

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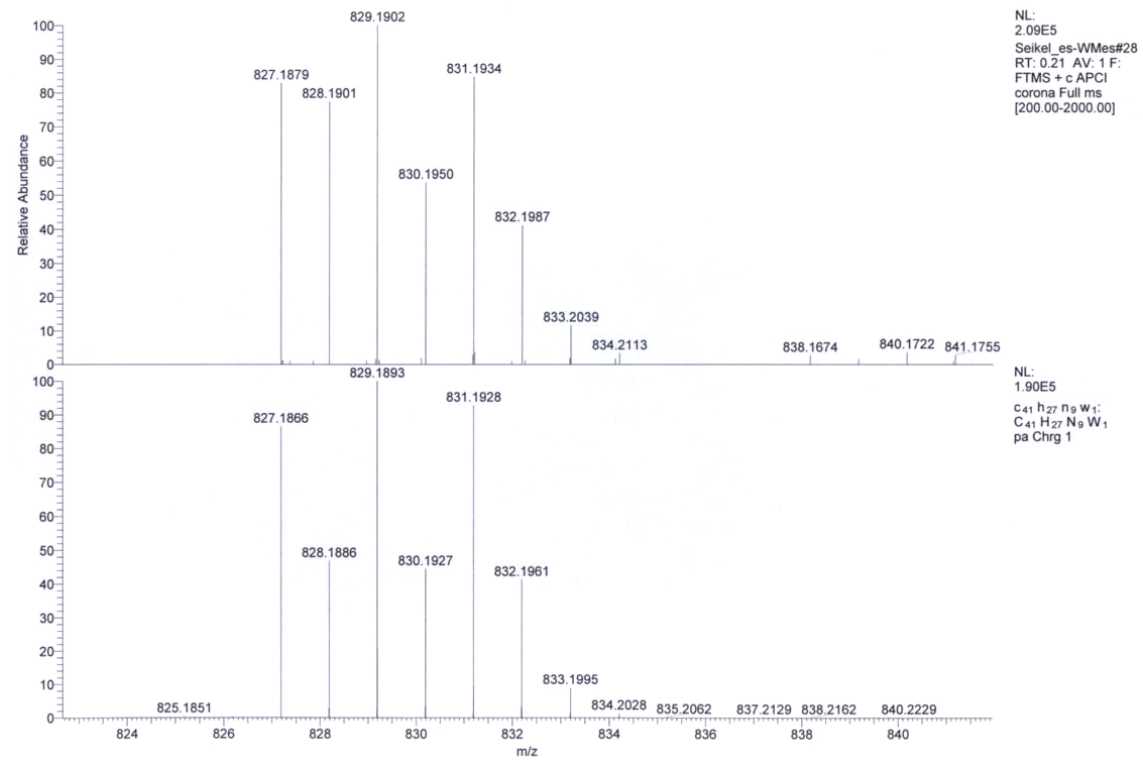
11/26/2009 2:19:56 PM

Seikel_es-WMes #34-43 RT: 0.27-0.33 AV: 5 NL: 1.56E6
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11/26/2009 2:19:56 PM



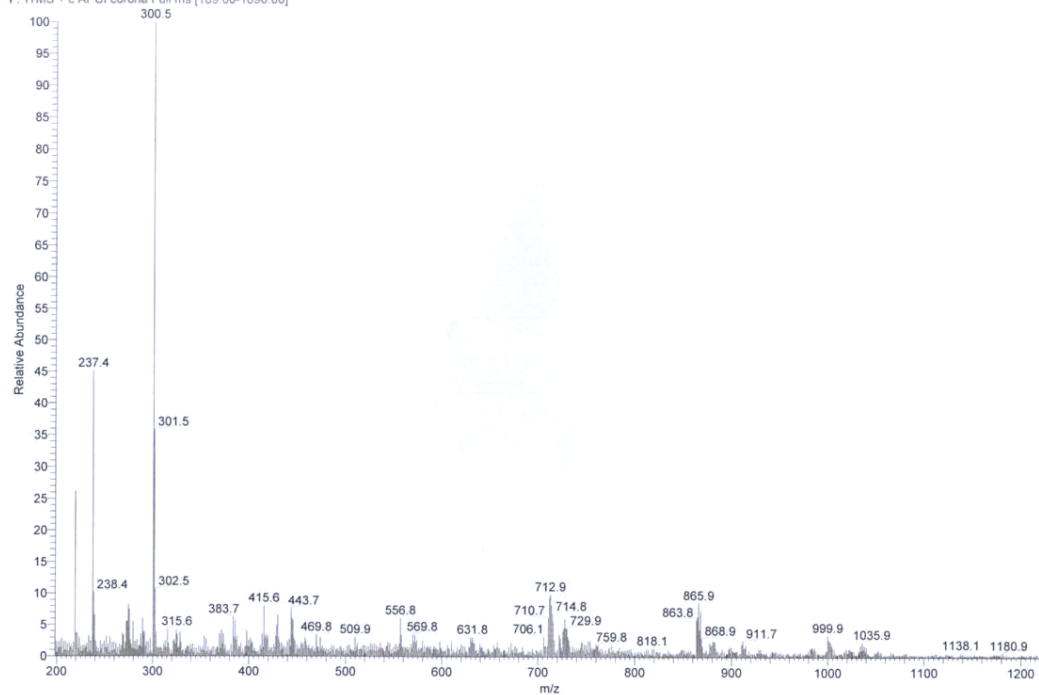
APCI-MS (top) and APCI-HRMS (bottom) of 4.

[PcW(NTs)Cl] 5

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4/22/2010 8:15:42 AM

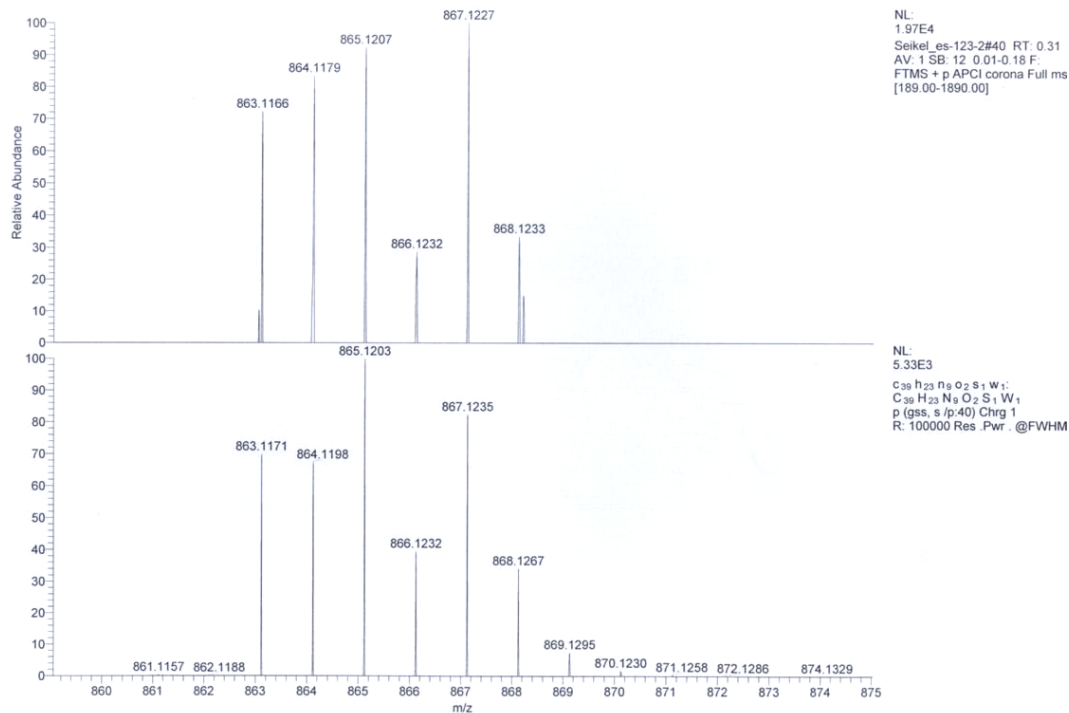
Seikel_es-123-2 #33-48 RT: 0.26-0.37 AV: 8 SB: 12 0.01-0.18 NL: 2.75E5
F: ITMS + c APCI corona Full ms [189.00-1890.00]



Partial hydrolysis occurred during the preparation of the sample.

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4/22/2010 8:15:42 AM



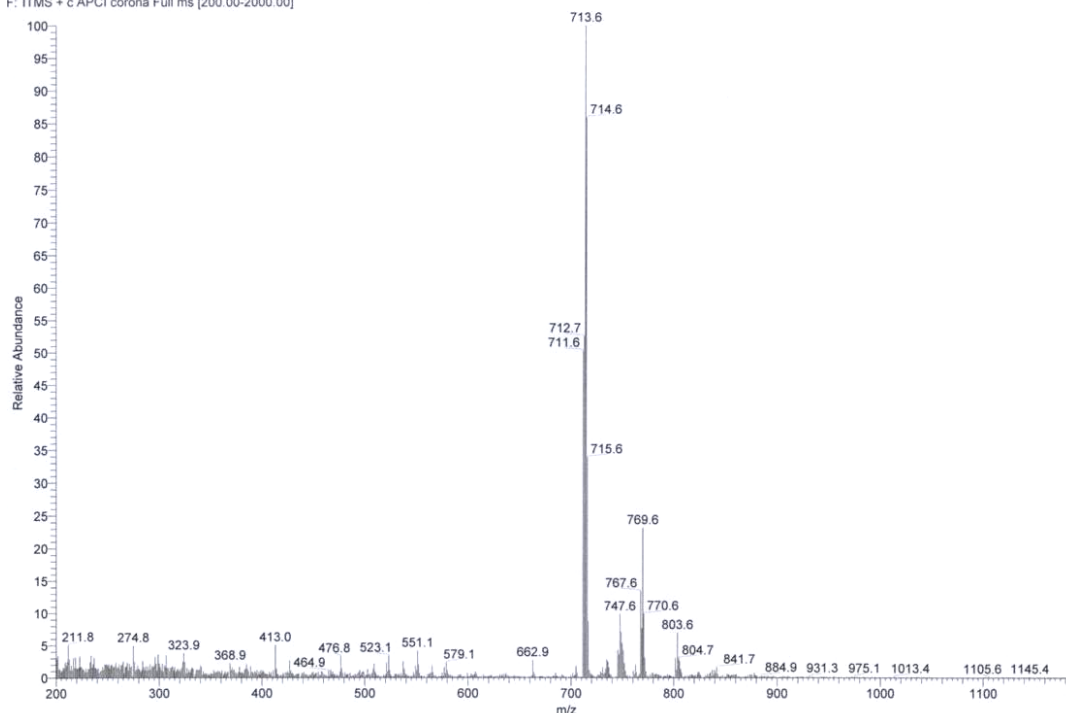
APCI-MS (top) and APCI-HRMS (bottom) of 5.

[PcRe(NtBu)Cl] 6

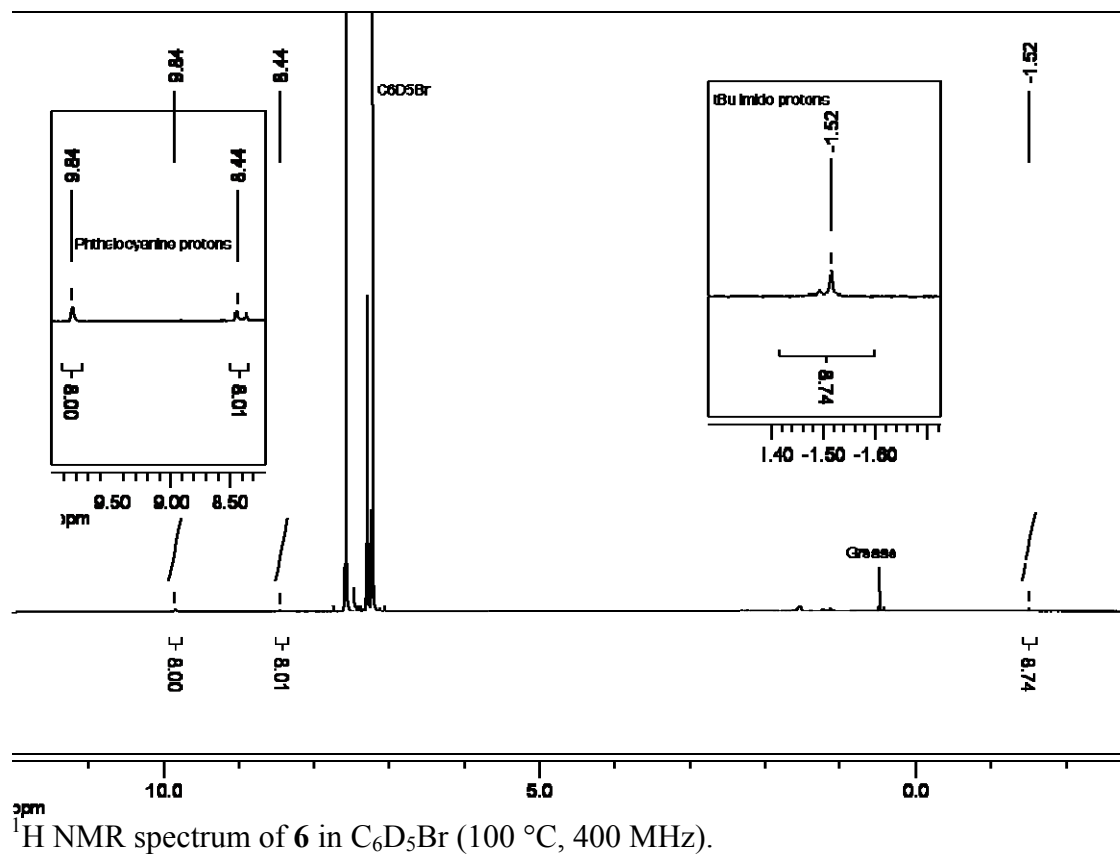
C:\Xcalibur\...APCI\Seikel_es-RetBu

11/26/2009 2:36:06 PM

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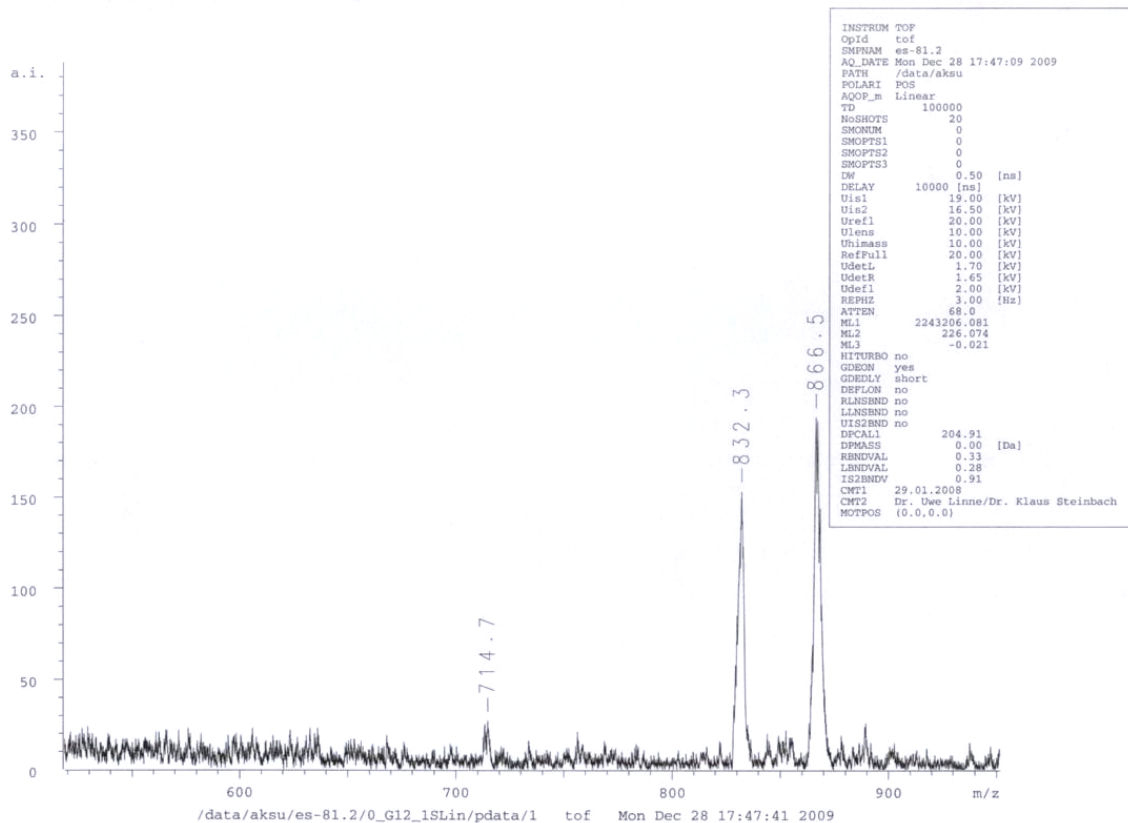


APCI-MS of 6. Partial hydrolysis occurred during the preparation of the sample. No HRMS spectrum could be obtained due to low intensity.

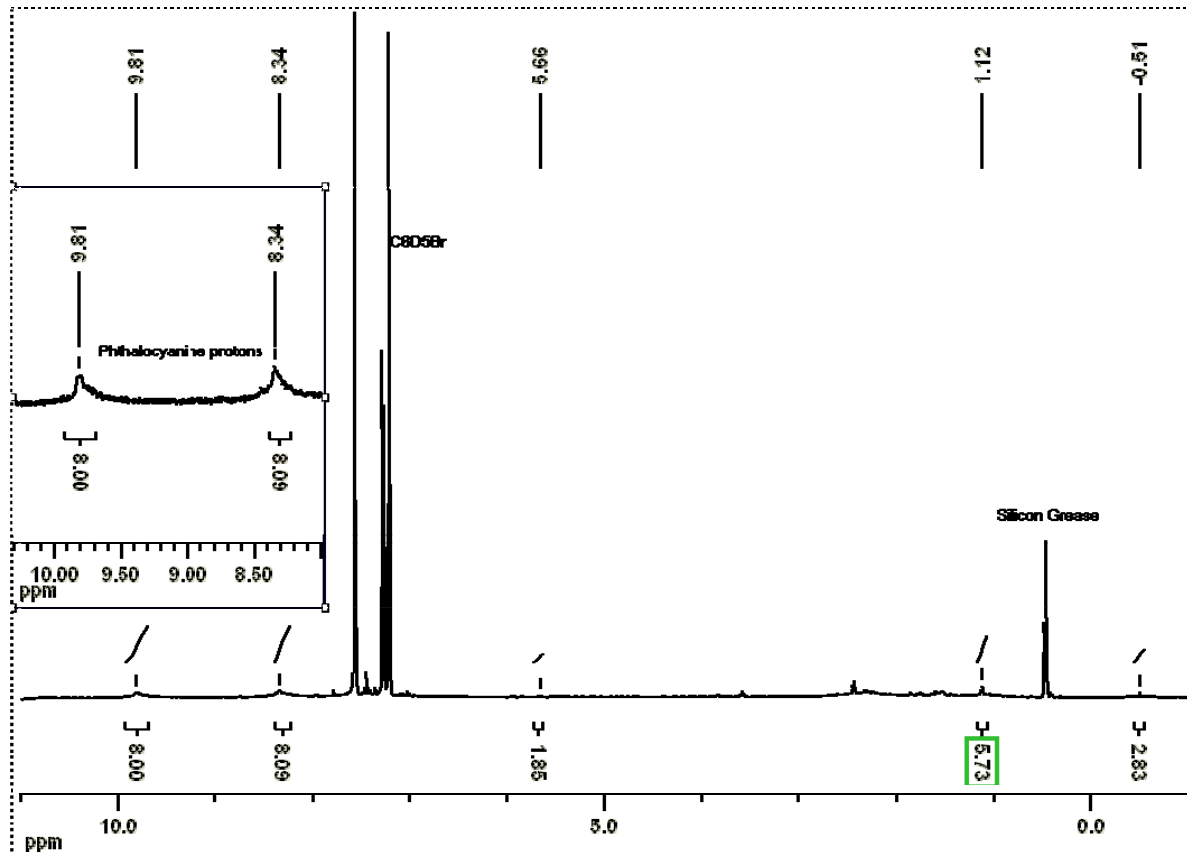


^1H NMR spectrum of 6 in $\text{C}_6\text{D}_5\text{Br}$ (100 °C, 400 MHz).

[PcRe(NMes)Cl] 7



MALDI-TOF-MS of 7.



¹H NMR spectrum of 7 in C₆D₅Br (100 °C, 400 MHz).