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Figure 1 (a) ESI-MS spectra of the HPDMS1 precursor.

Figure 1 (b) ESI-MS spectra of the HPDMS1 precursor.

Figure 1 (c) ESI-MS spectra of the HPDMS1 precursor.

Figure 1 (d) ESI-MS spectra of the HPDMS1 precursor.

Figure 2 (a) ESI-MS spectra of the HPDMS2 precursor.

- Figure 2 (b) ESI-MS spectra of the HPDMS2 precursor.
- Figure 2 (c) ESI-MS spectra of the HPDMS2 precursor.
- Figure 2 (d) ESI-MS spectra of the HPDMS2 precursor.
- Figure 3 (a) MS spectra acquired from the RT fraction of 13.5 17.5 minute in LC-APCI-TIC chromatogram of the HPDMS1 precursor (m/z range 1150-1450)
- Figure 3 (b) MS spectra acquired from the RT fraction of 13.5 17.5 minute in LC-APCI-TIC chromatogram of the HPDMS1 precursor (m/z range 1450-1670)
- Figure 3 (c) MS spectra acquired from the RT fraction of 13.5 17.5 minute in LC-APCI-TIC chromatogram of the HPDMS1 precursor (m/z range 1670-1820)
- Figure 3 (d) MS spectra acquired from the RT fraction of 13.5 17.5 minute in LC-APCI-TIC chromatogram of the HPDMS1 precursor (m/z range 1820-2005)



Figure 1 (a) ESI-MS spectra of the HPDMS1 precursor.



Figure 1 (b) ESI-MS spectra of the HPDMS1 precursor.



Figure 1 (c) ESI-MS spectra of the HPDMS1 precursor.



PDMS PYM 12 (0.223) AM (Cen,2, 80.00, Ht,5000.0,0.00,1.00); Sm (Mn, 2x1.00); Cm (1:13) 1505.77

Figure 1 (d) ESI-MS spectra of the HPDMS1 precursor.





Figure 2 (a) ESI-MS spectra of the HPDMS2 precursor.



Figure 2 (b) ESI-MS spectra of the HPDMS2 precursor.



Figure 2 (c) ESI-MS spectra of the HPDMS2 precursor.

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Figure 2 (d) ESI-MS spectra of the HPDMS2 precursor.



**Figure 3 (a)** MS spectra acquired from the RT fraction of 13.5 - 17.5 minute in LC-APCI-TIC chromatogram of the HPDMS1 precursor (m/z range 1150-1450)



**Figure 3 (b)** MS spectra acquired from the RT fraction of 13.5 - 17.5 minute in LC-APCI-TIC chromatogram of the HPDMS1 precursor (m/z range 1450-1670)



**Figure 3 (c)** MS spectra acquired from the RT fraction of 13.5 - 17.5 minute in LC-APCI-TIC chromatogram of the HPDMS1 precursor (m/z range 1670-1820)



**Figure 3 (d)** MS spectra acquired from the RT fraction of 13.5 - 17.5 minute in LC-APCI-TIC chromatogram of the HPDMS1 precursor (m/z range 1820-2005)