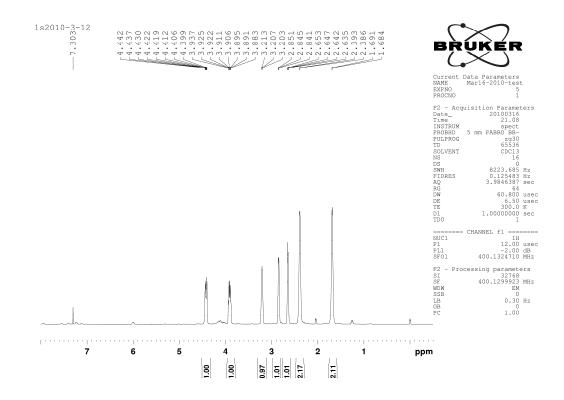
Supplementary information:

Biodegradable cross-linked poly(amino alcohol esters) based on LMW PEI for gene delivery

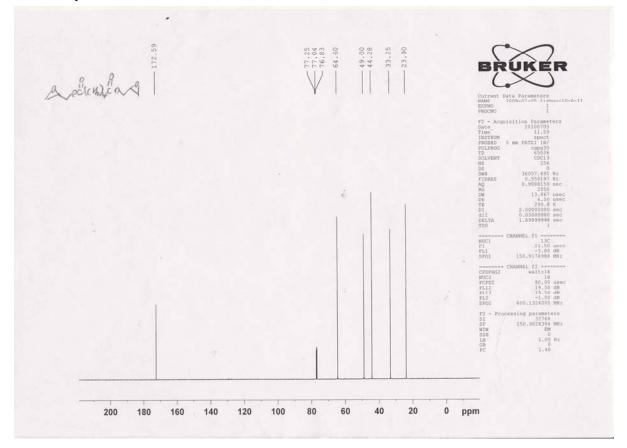
Shuo Li, Yu Wang, Ji Zhang^{*}, Wei-Han Yang, Zhen-Hua Dai, Wen Zhu^{*}, and Xiao-Qi Yu^{*}

| Characterization of compound 2a······S1 |
|---|
| Characterization of compound 2bS3 |
| Characterization of compound 2c·····S5 |
| Characterization of DA-PEI 3a-S7 |
| Characterization of DS-PEI 3bS8 |
| Characterization of DO-PEI 3cS9 |
| GPC sheetsS10 |

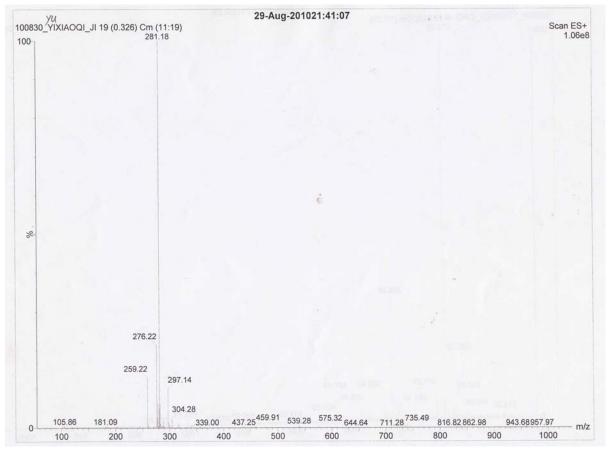
¹H NMR spectrum of **2a**



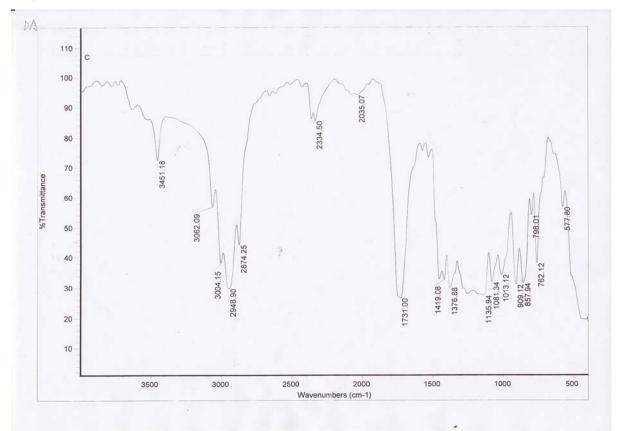
¹³C NMR spectrum of 2a



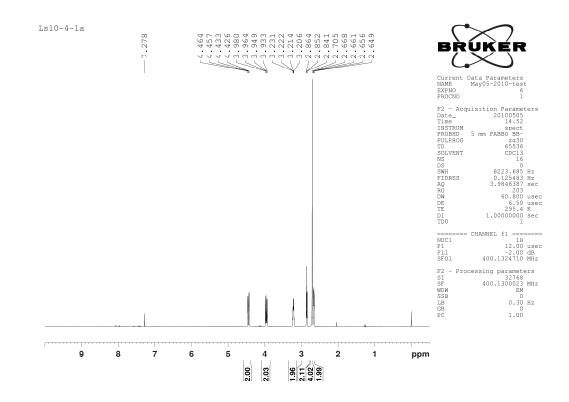
MS of 2a



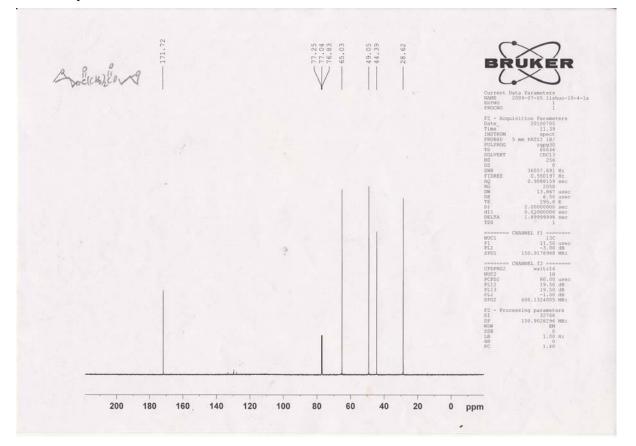
IR spectrum of 2a



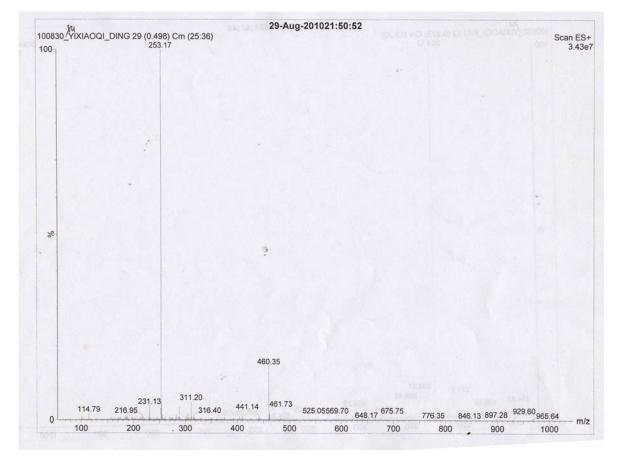
¹H NMR spectrum of **2b**



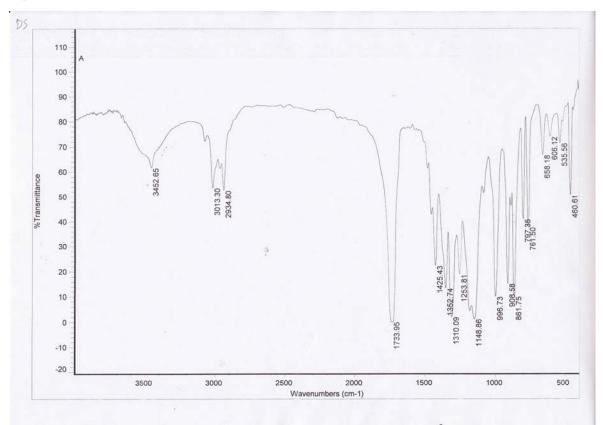
¹³C NMR spectrum of **2b**



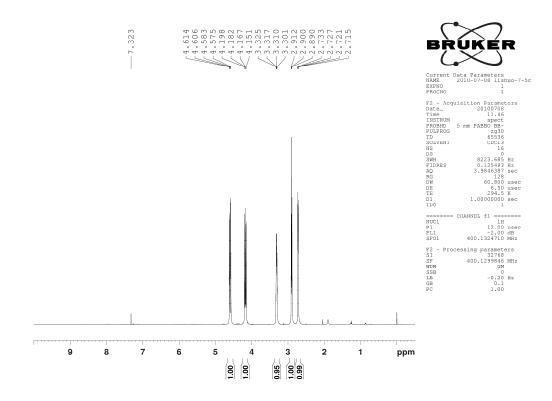
MS of $\mathbf{2b}$



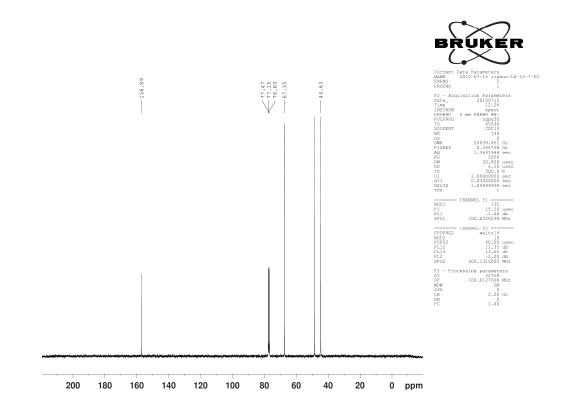
IR spectrumof 2b



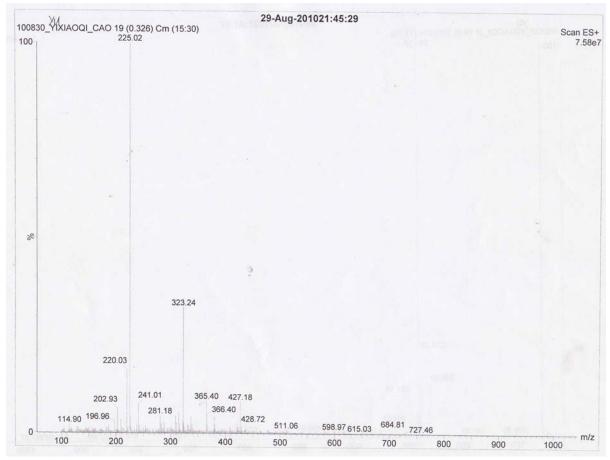
¹H NMR spectrum of **2c**



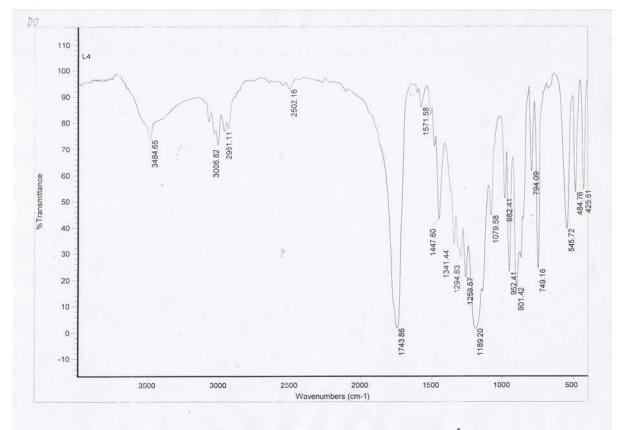
¹³C NMR spectrum of **2c**



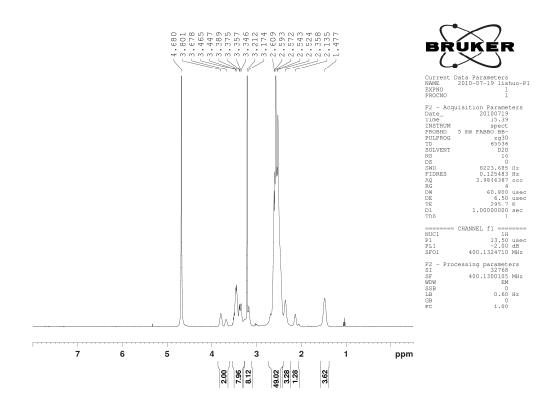


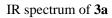


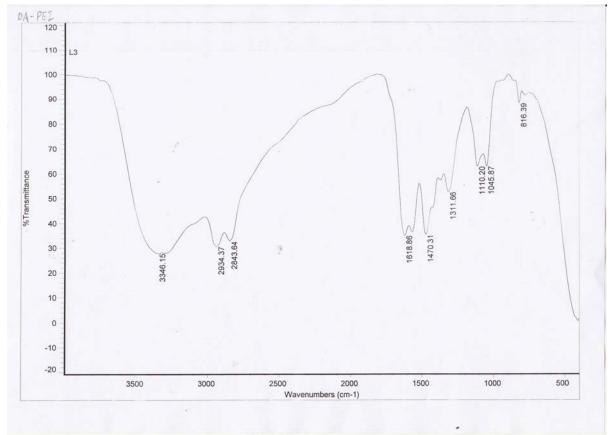
IR spectrum of 2c



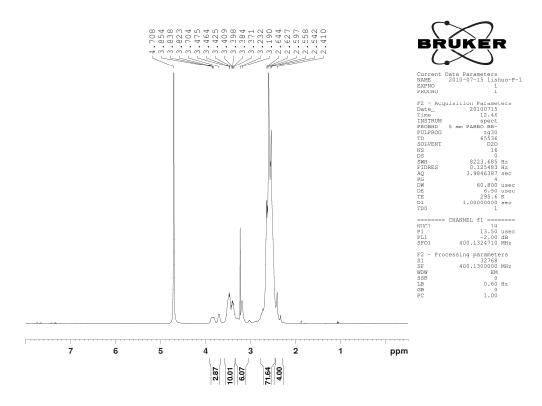
¹H NMR spectrum of **3a**



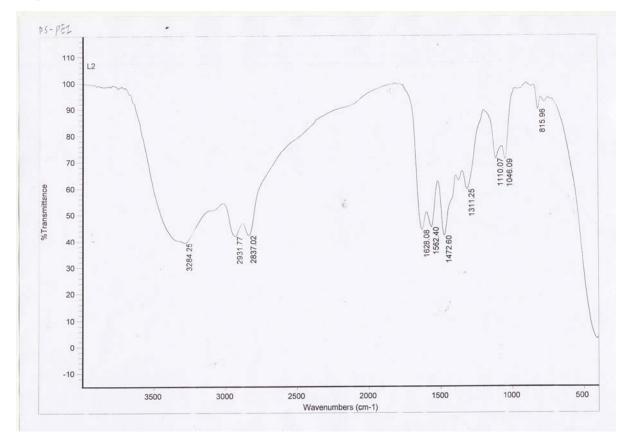




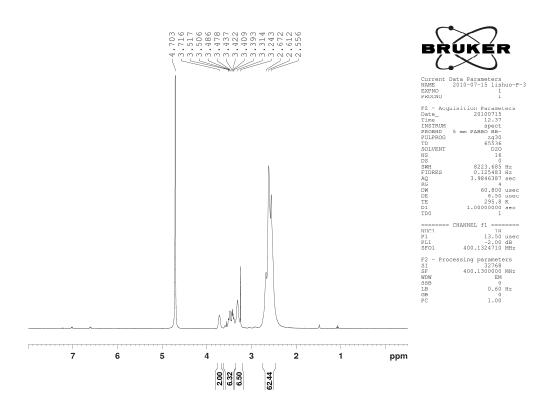
¹H NMR spectrum of **3b**

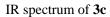


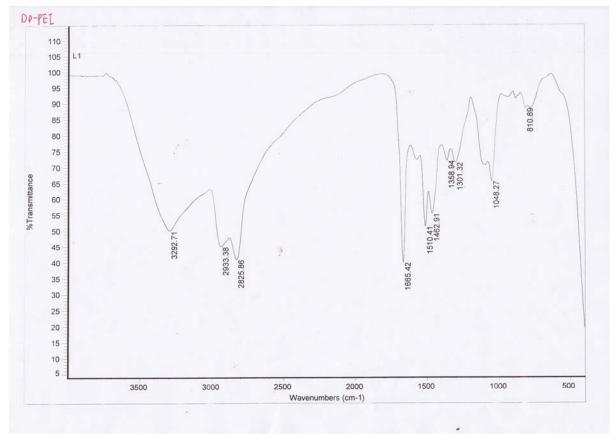
IR spectrum of 3b

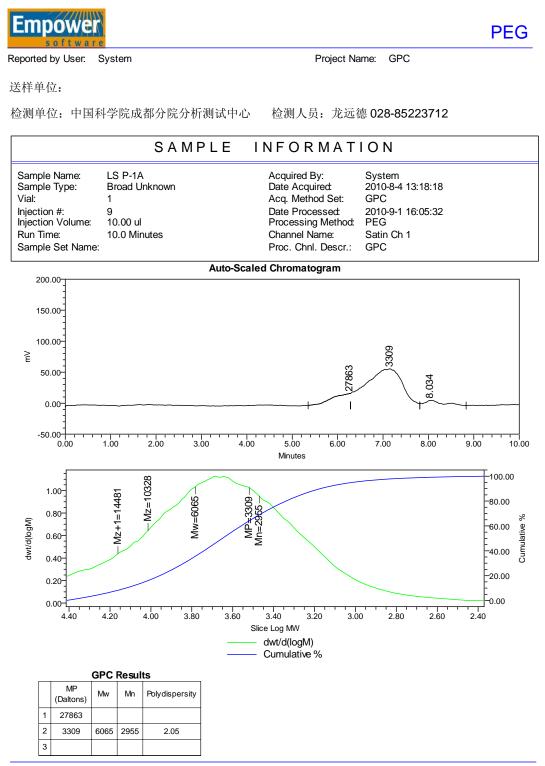


¹H NMR spectrum of **3c**



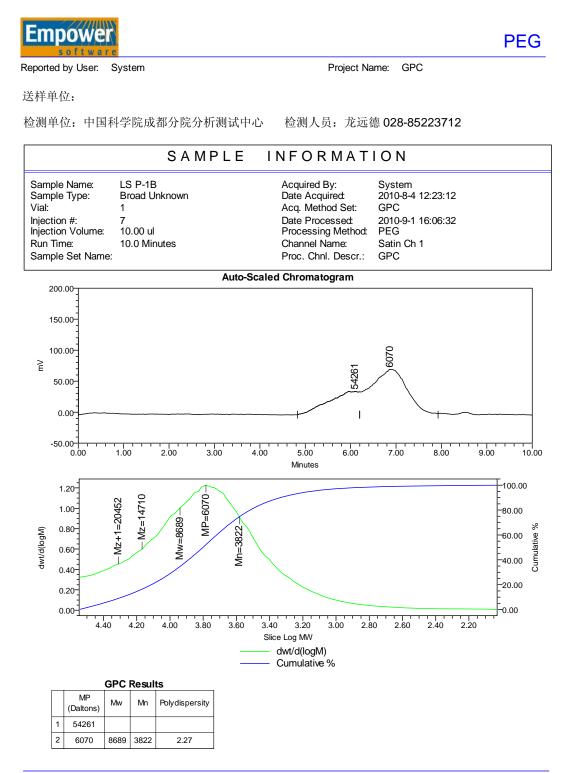






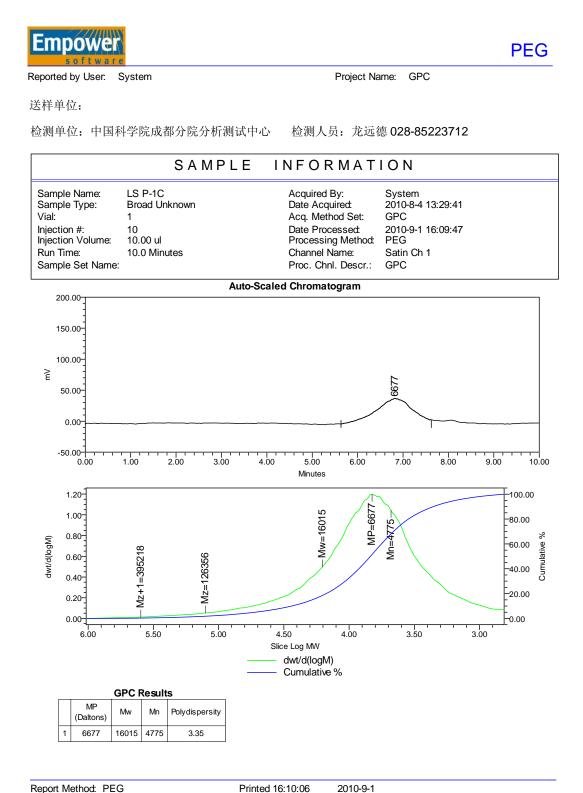
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Report Method: PEG

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Report Method: PEG

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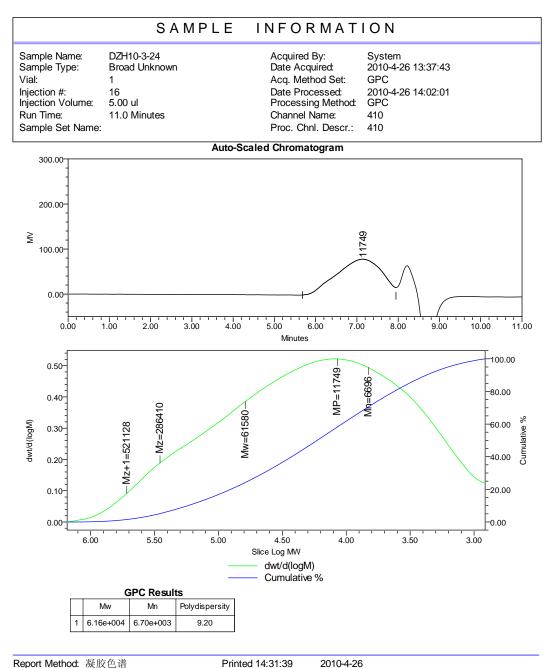
凝胶色谱

检测单位: 中国科学院成都分院分析测试中心

分析人员:龙远德 (028-85223712)

SEC

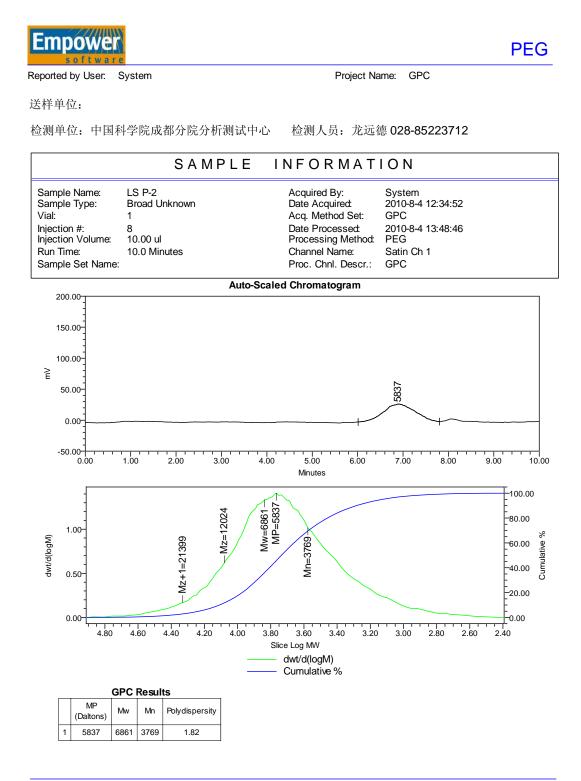
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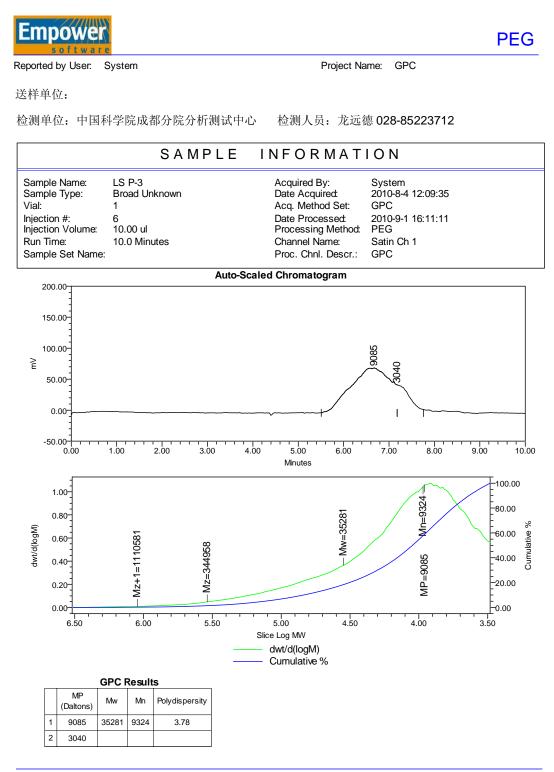
GPC of DA-PEI(3a)



Report Method: PEG

Printed 16:08:04 2010-9-1

GPC of DO-PEI(3c)



Report Method: PEG

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