

Supporting Information

Controlling the Site Selectivity in Acylations of Amphiphilic Diols: Directing the Reaction Toward the Apolar Domain in a Model Diol and Midecamycin A₁ Macrolide Antibiotic

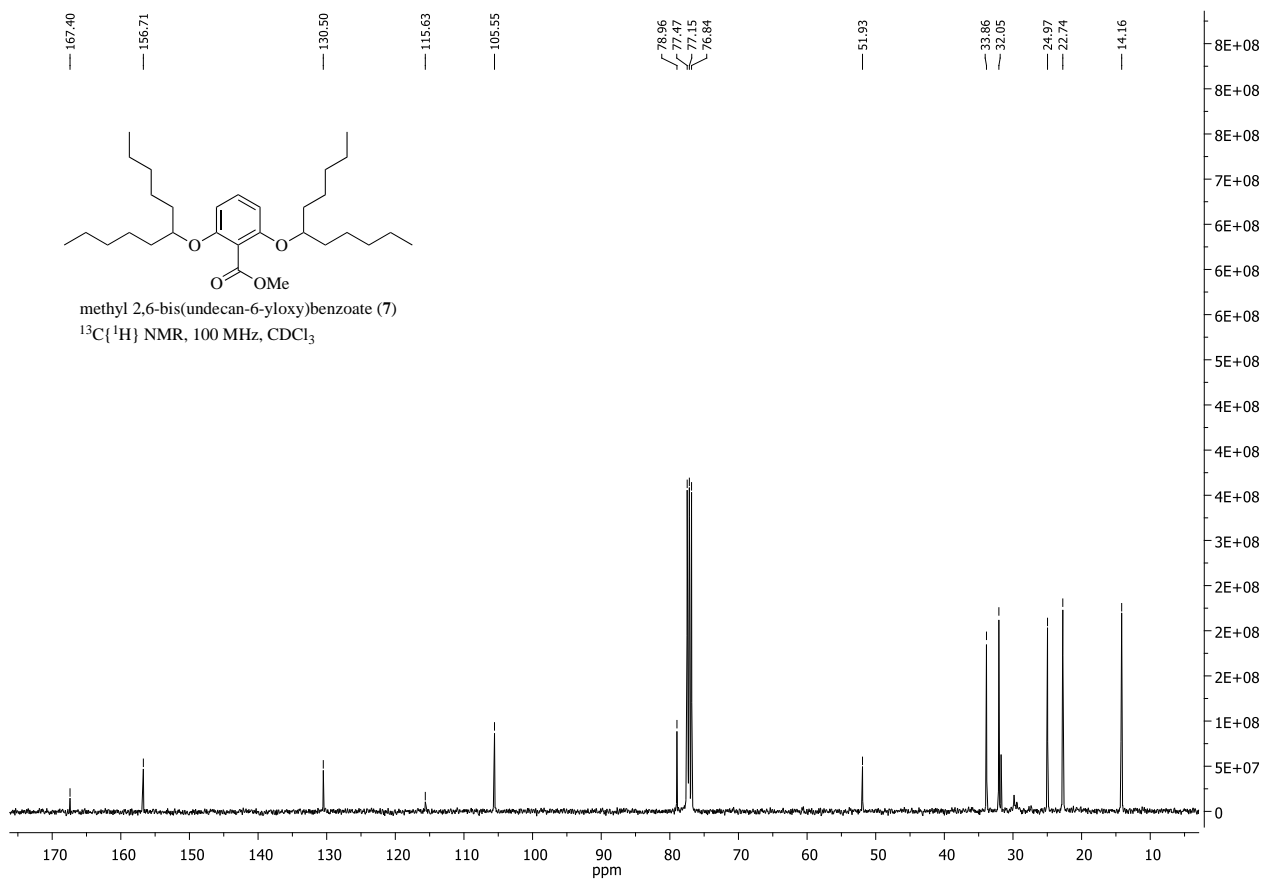
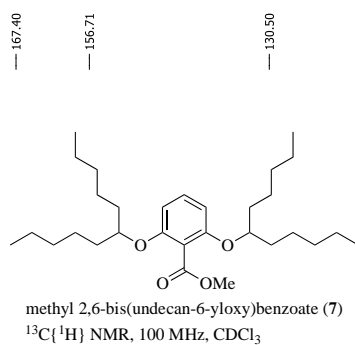
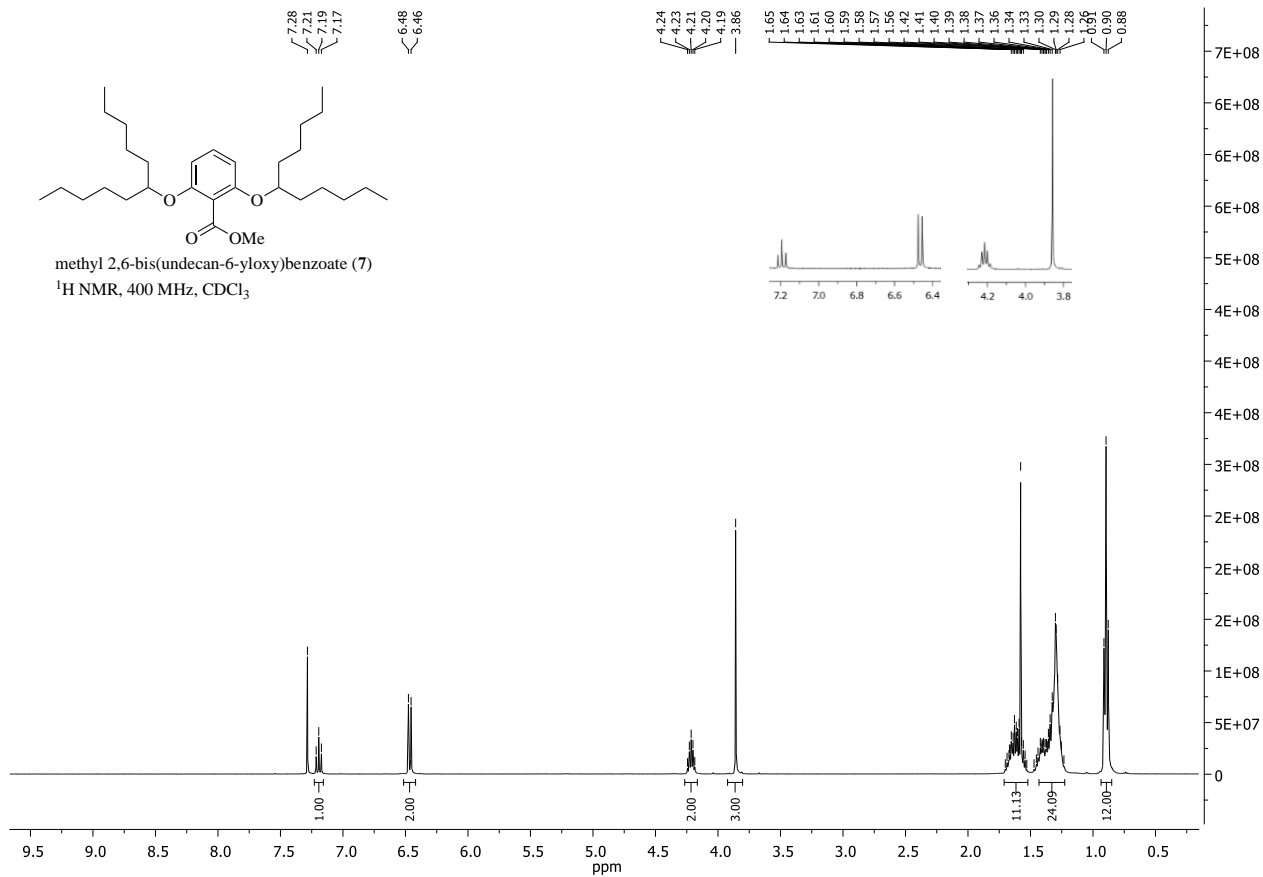
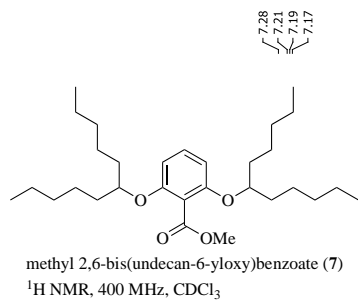
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*School of Chemistry, Raymond and Beverly Sackler Faculty of Exact Sciences, Tel Aviv
University, Tel Aviv 699678, Israel*

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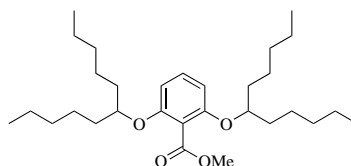
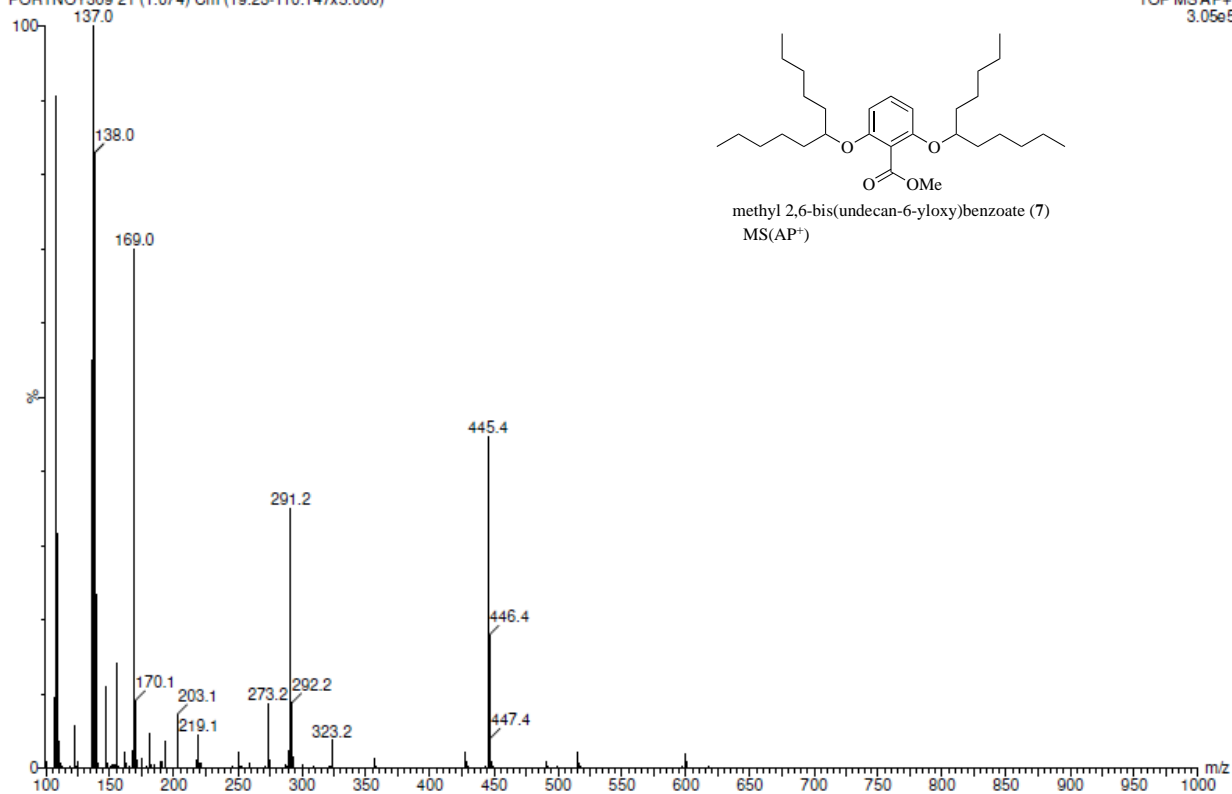
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^1H and ^{13}C NMR and Mass Spectra	S3
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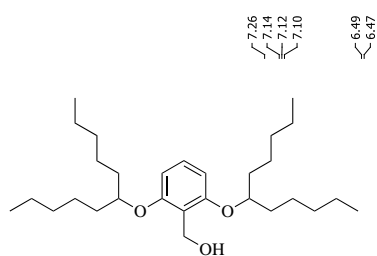


PORTNOY309 21 (1.074) Cm (19:23-110:147x5.000)

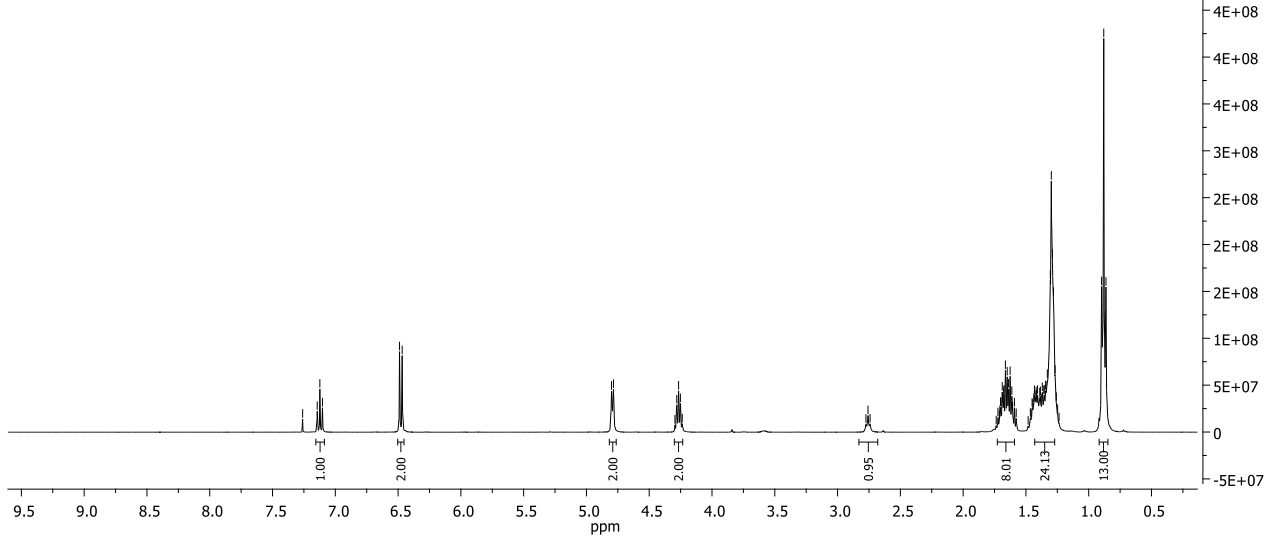
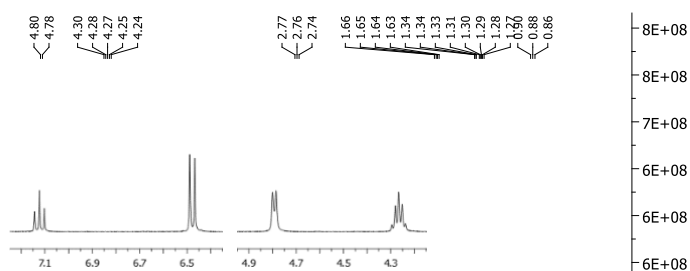
TOF MSAP+
3.05e5

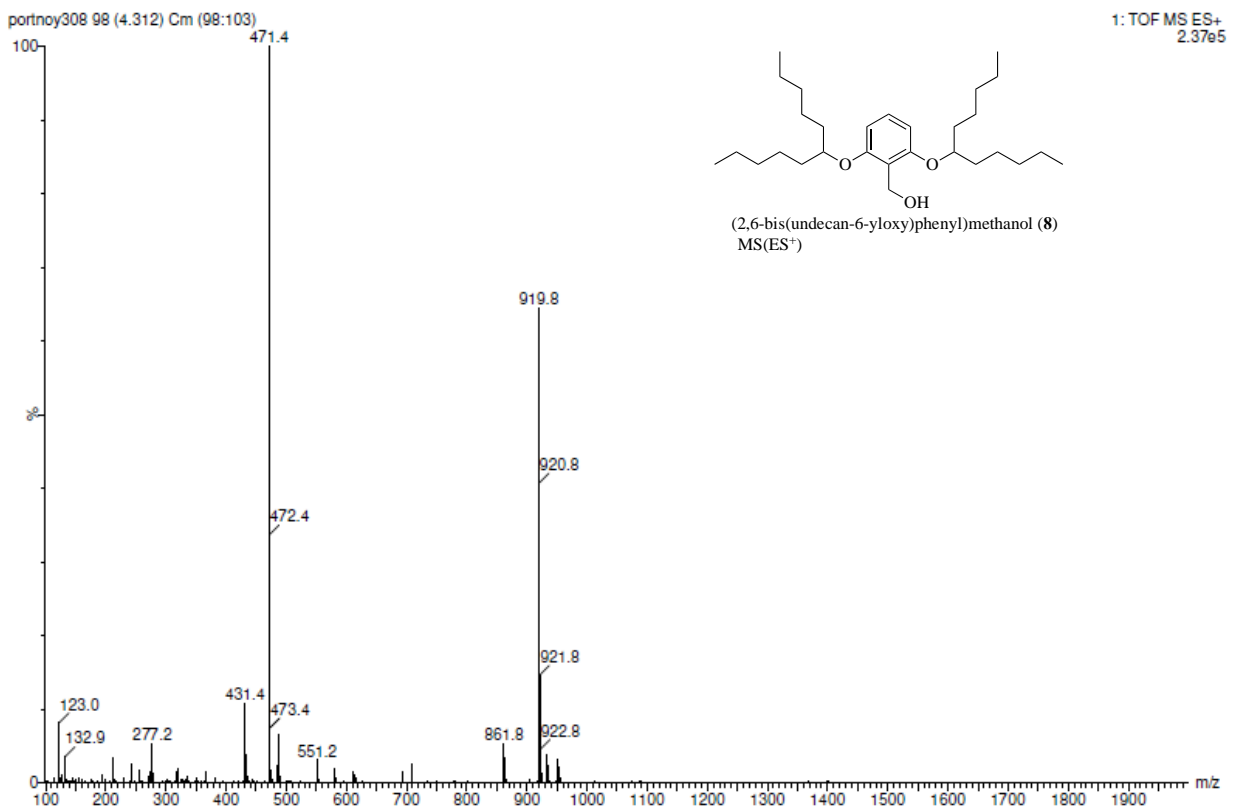
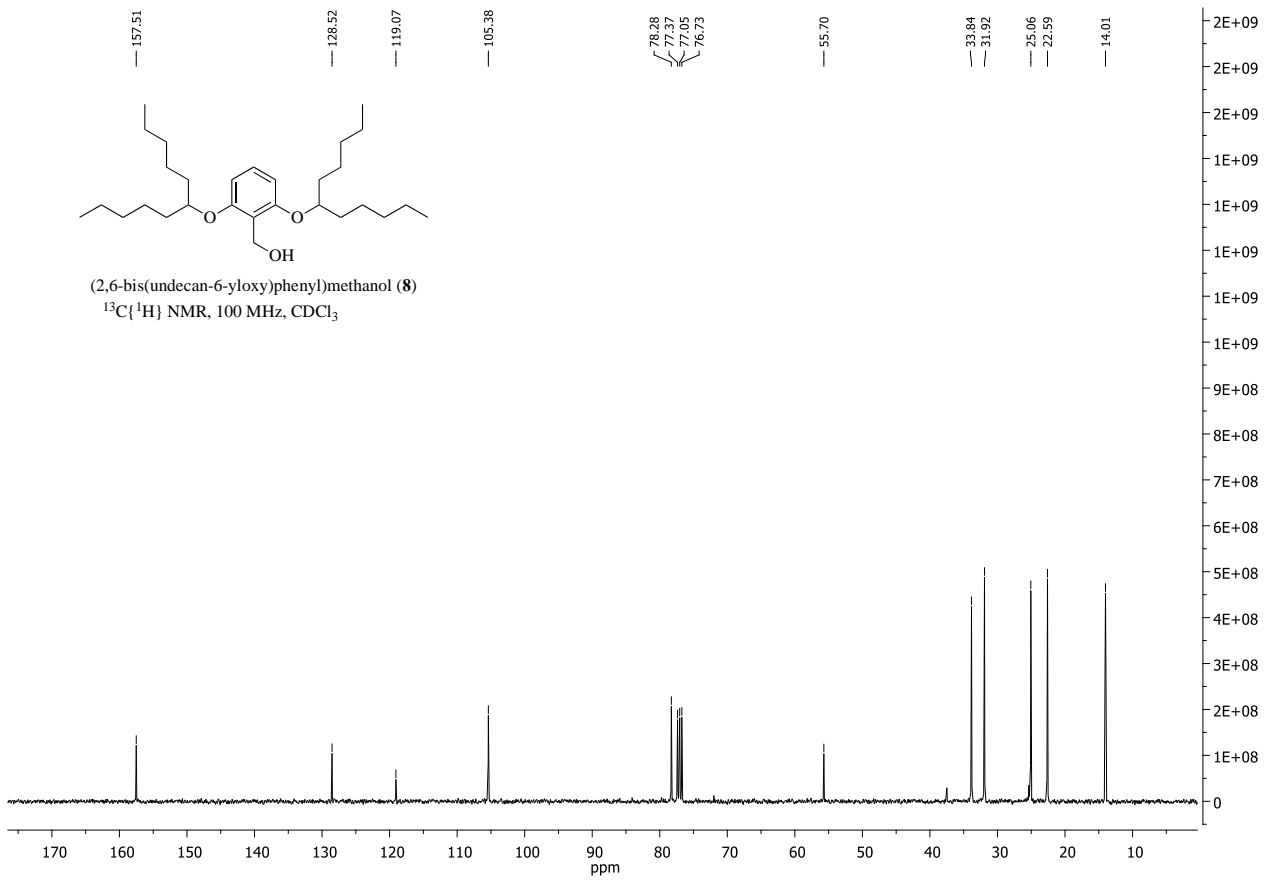


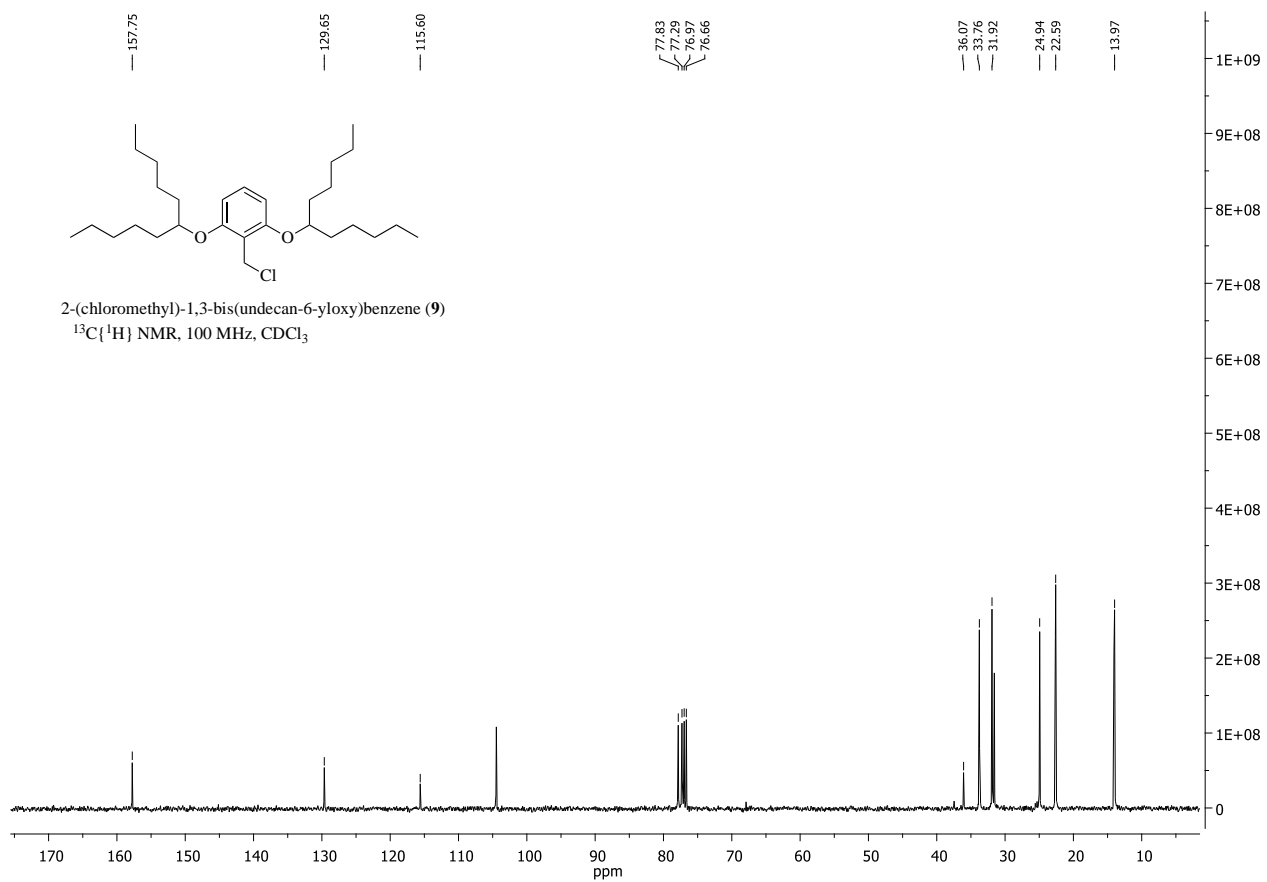
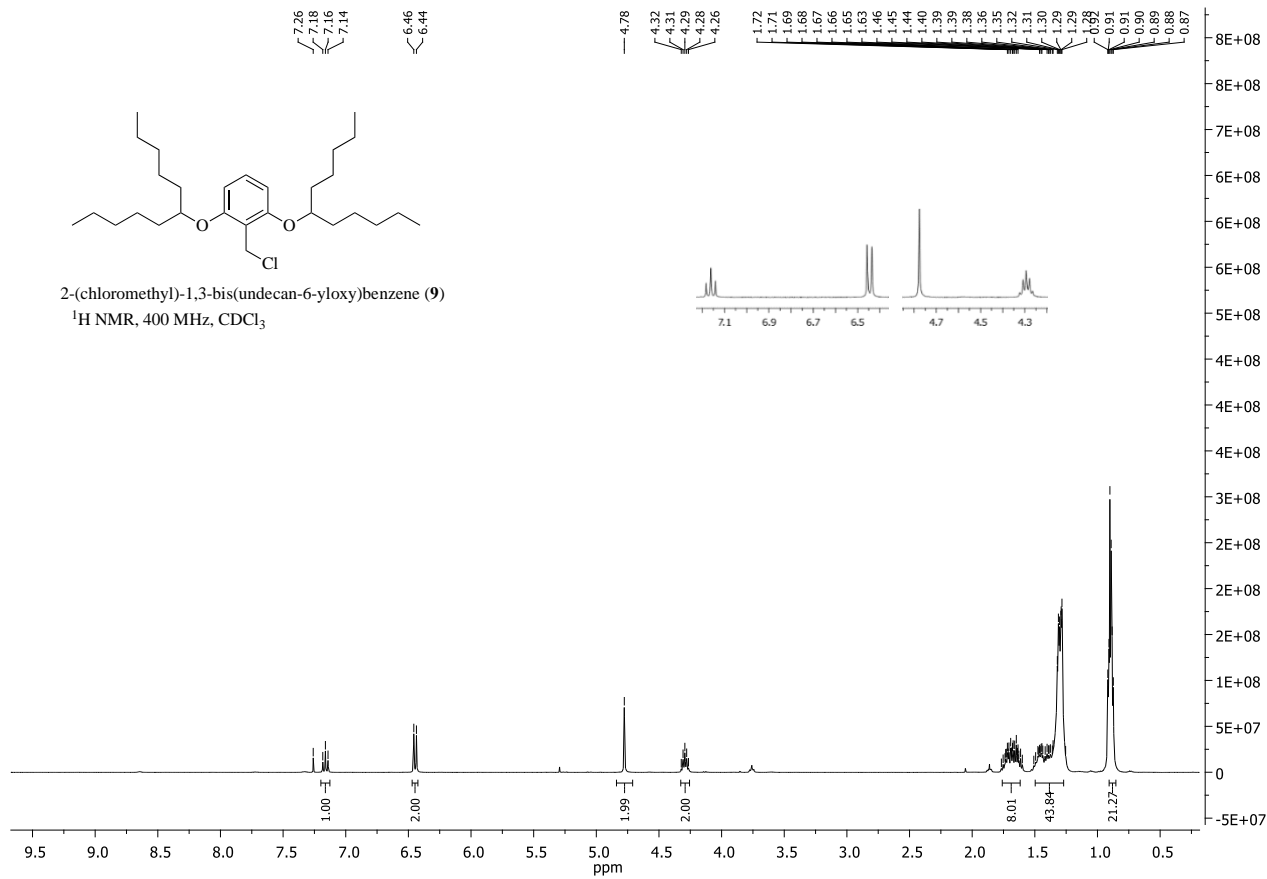
methyl 2,6-bis(undecan-6-yloxy)benzoate (7)
MS(AP⁺)



(2,6-bis(undecan-6-yloxy)phenyl)methanol (8)
¹H NMR, 400 MHz, CDCl₃

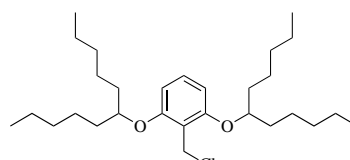
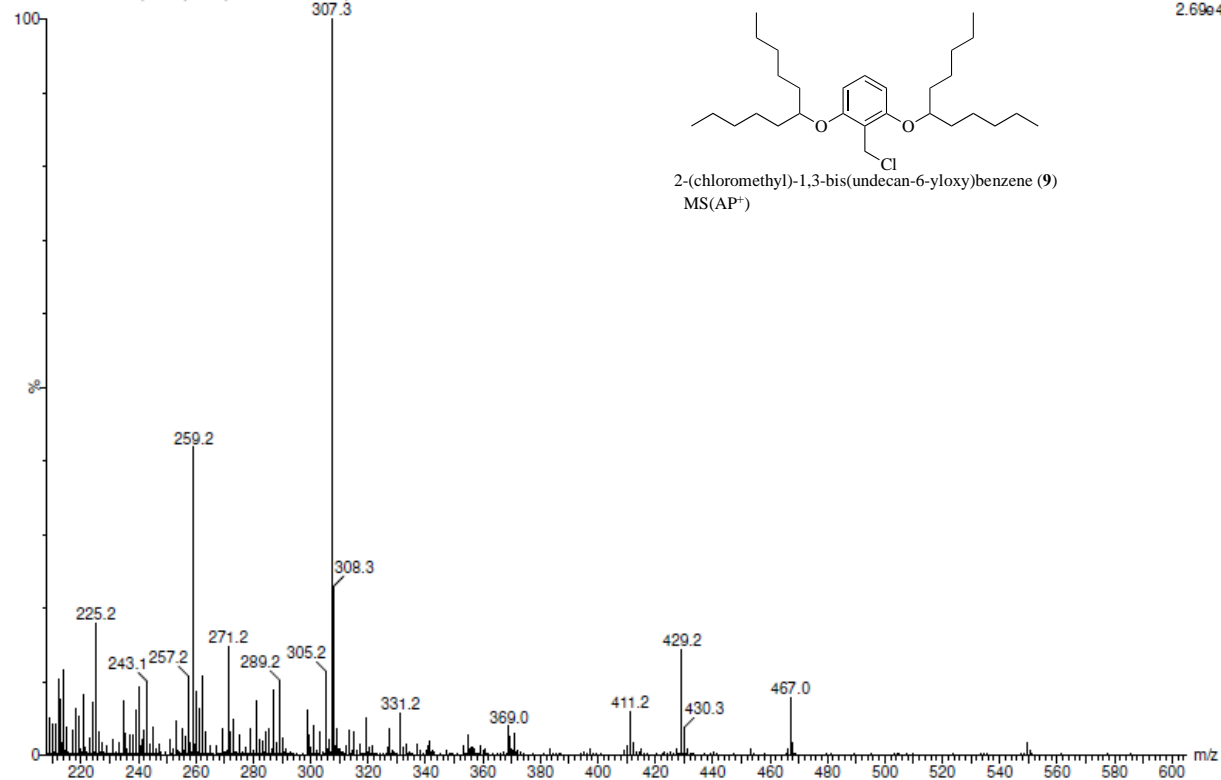




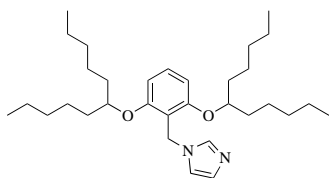
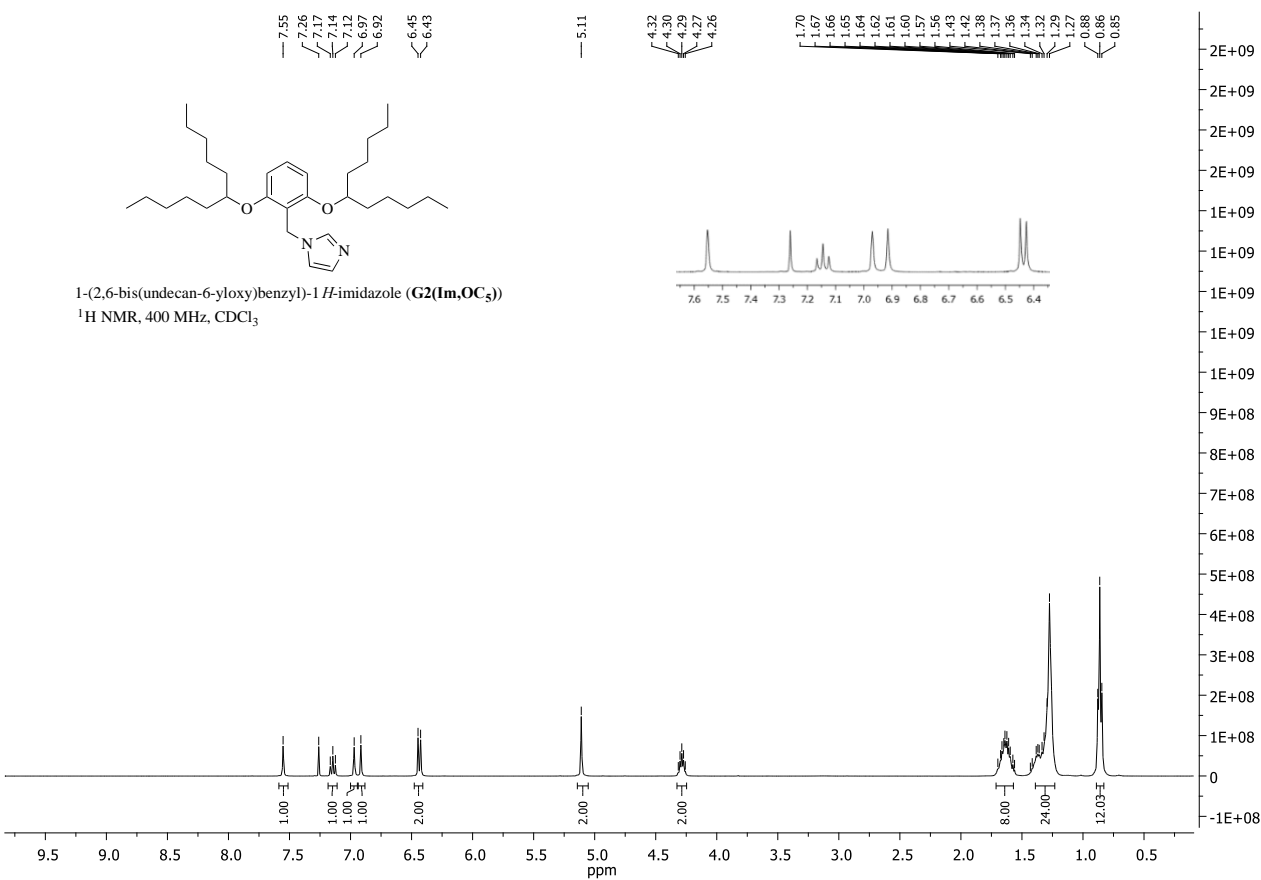


PORTNOY315 11 (0.570) Cm (11.34-276x5.000)

TOF MSAP+
2.69e4

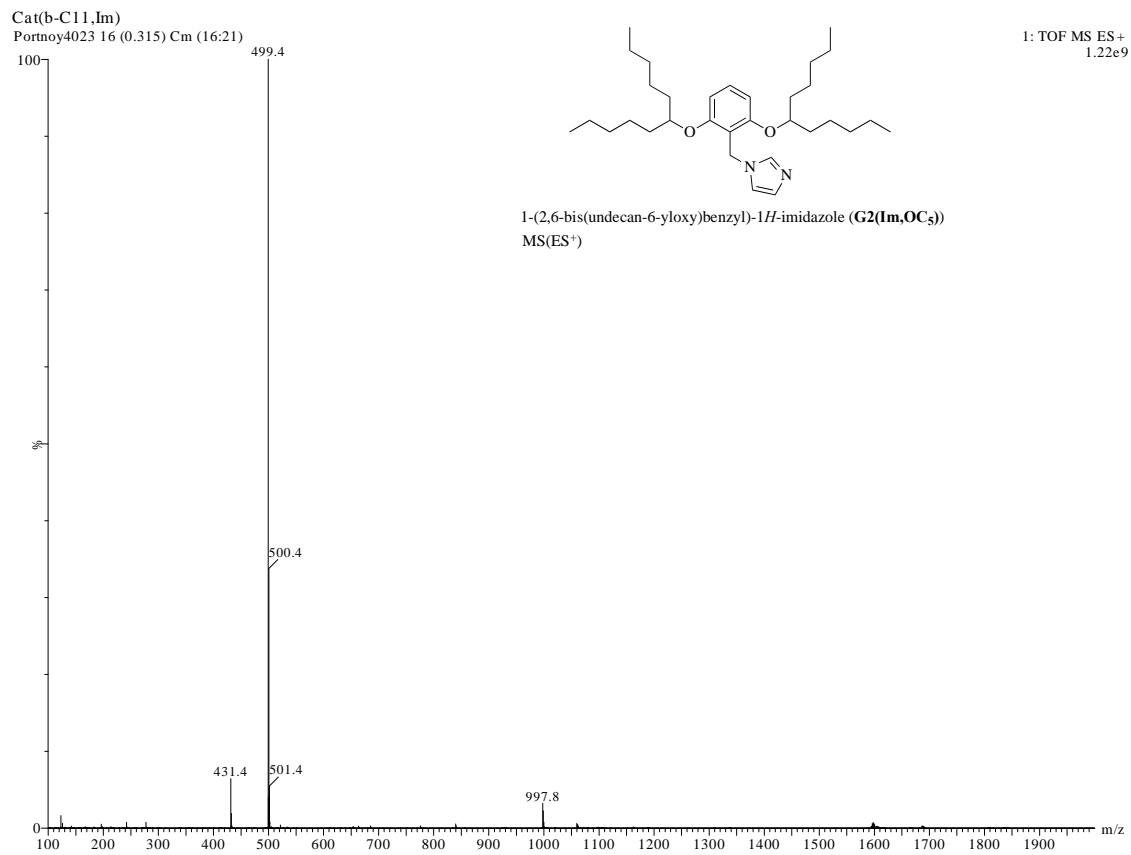
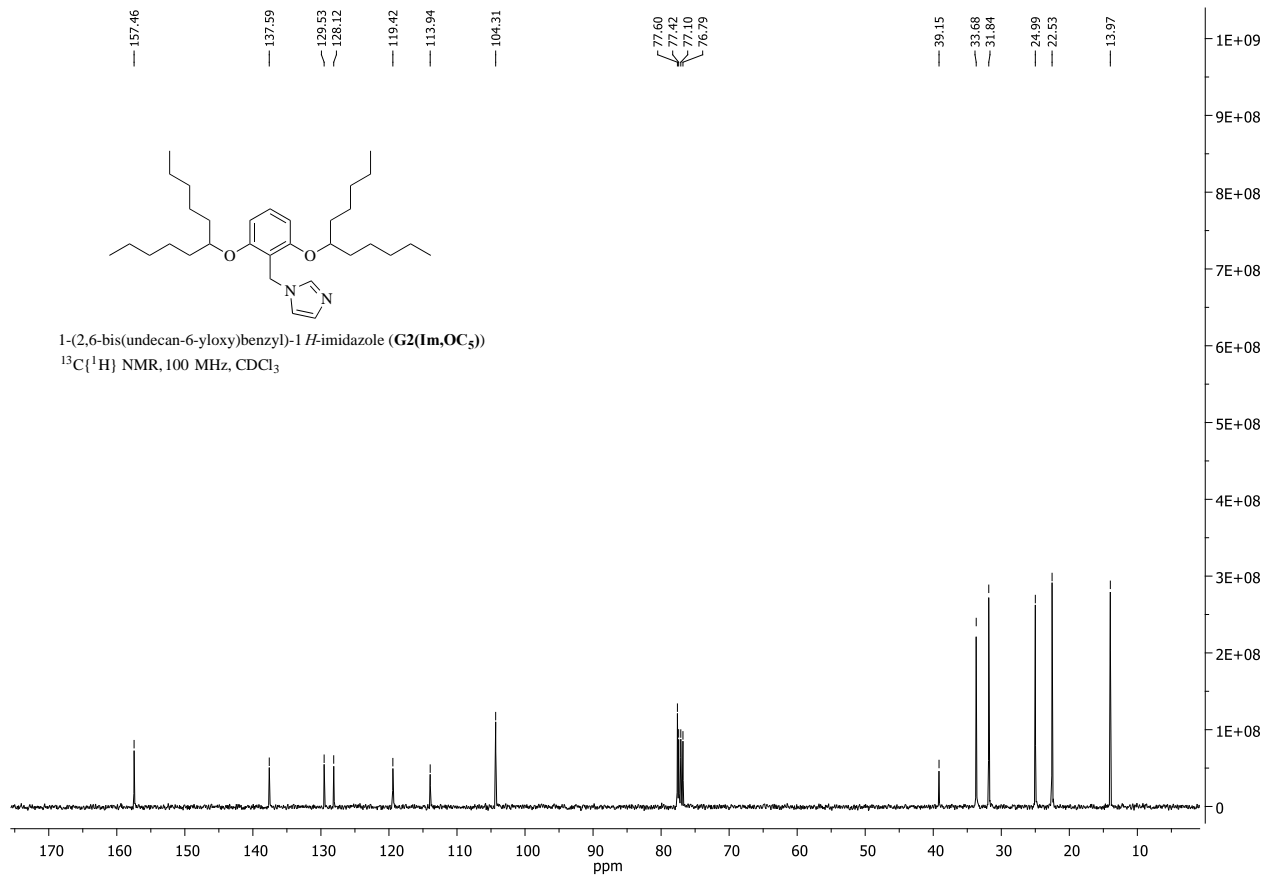


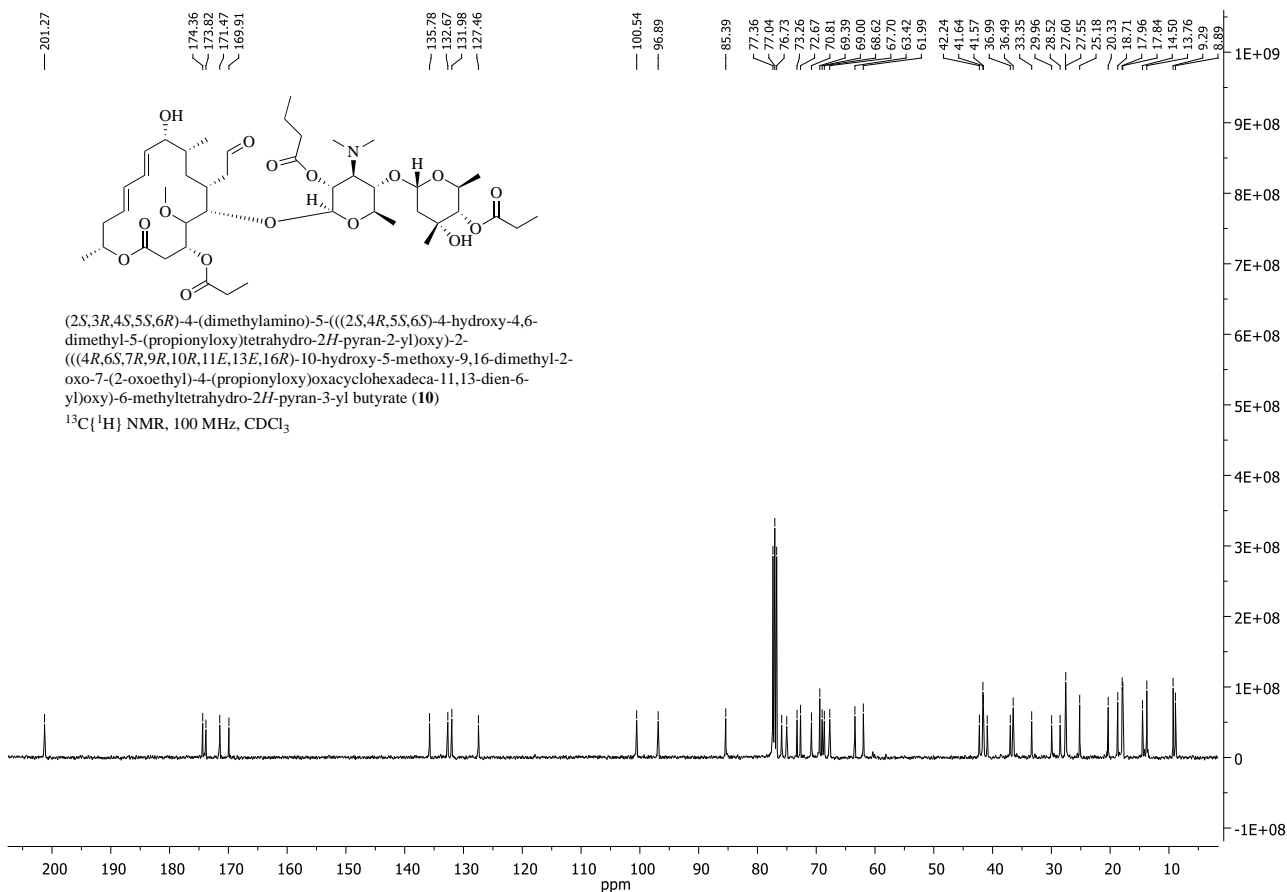
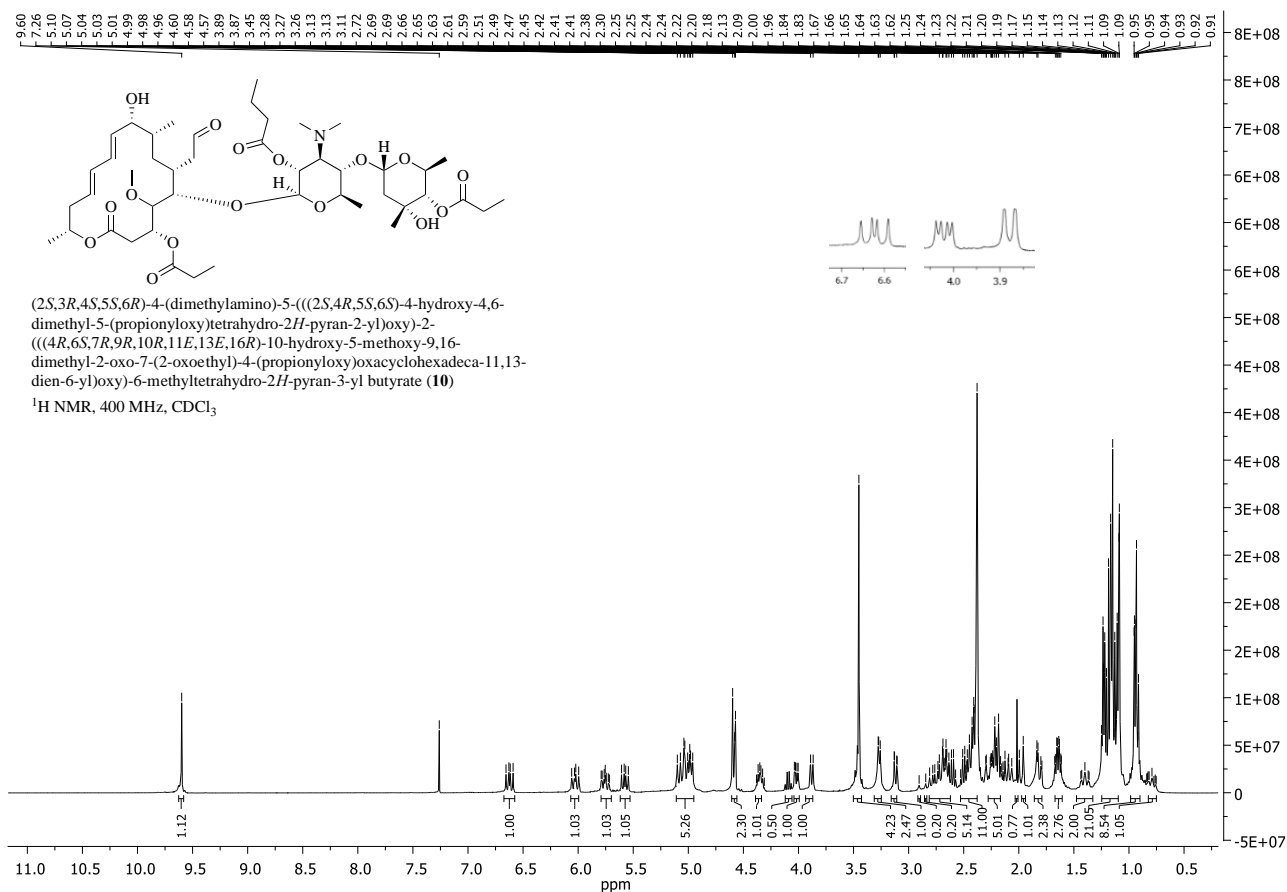
2-(chloromethyl)-1,3-bis(undecan-6-yloxy)benzene (**9**)
MS(AP⁺)



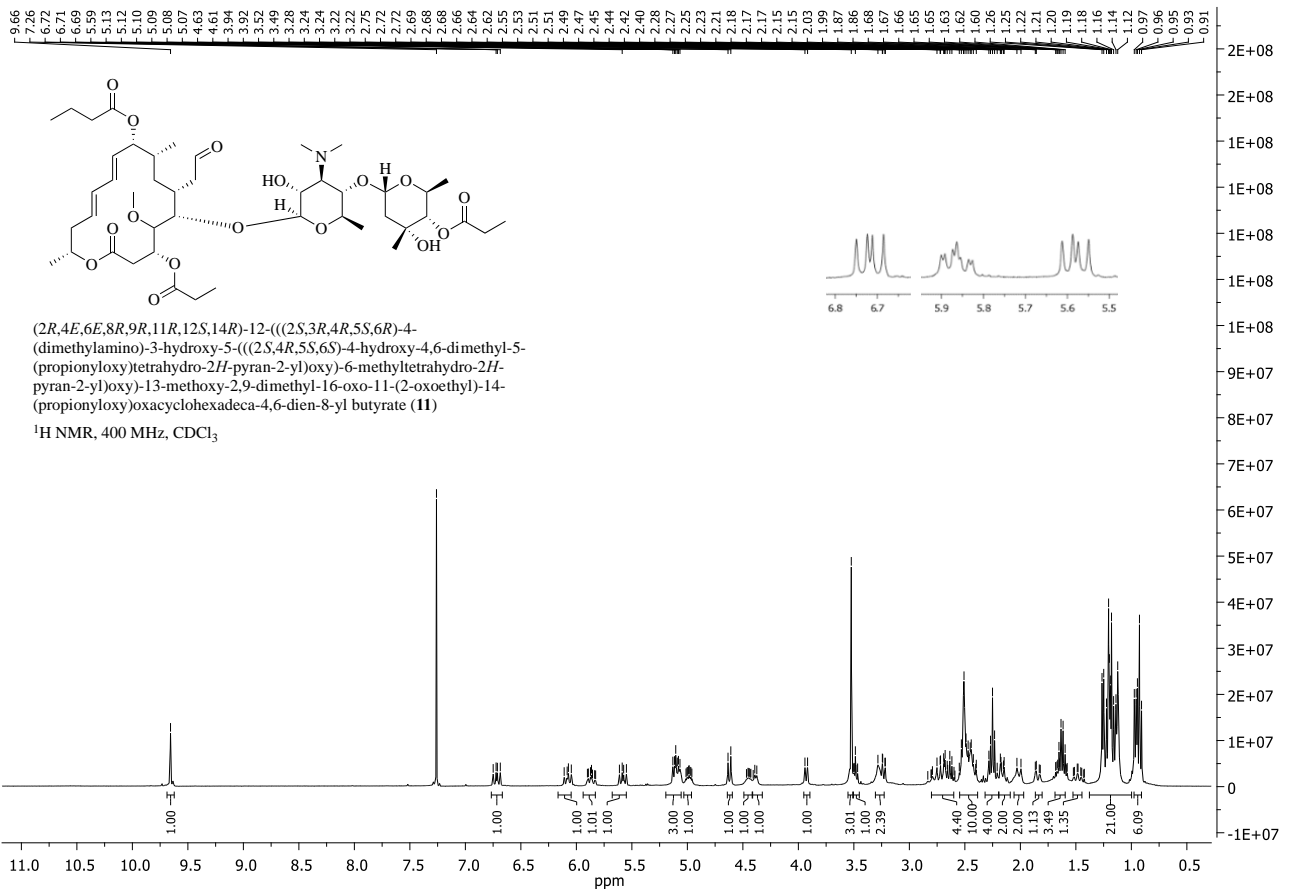
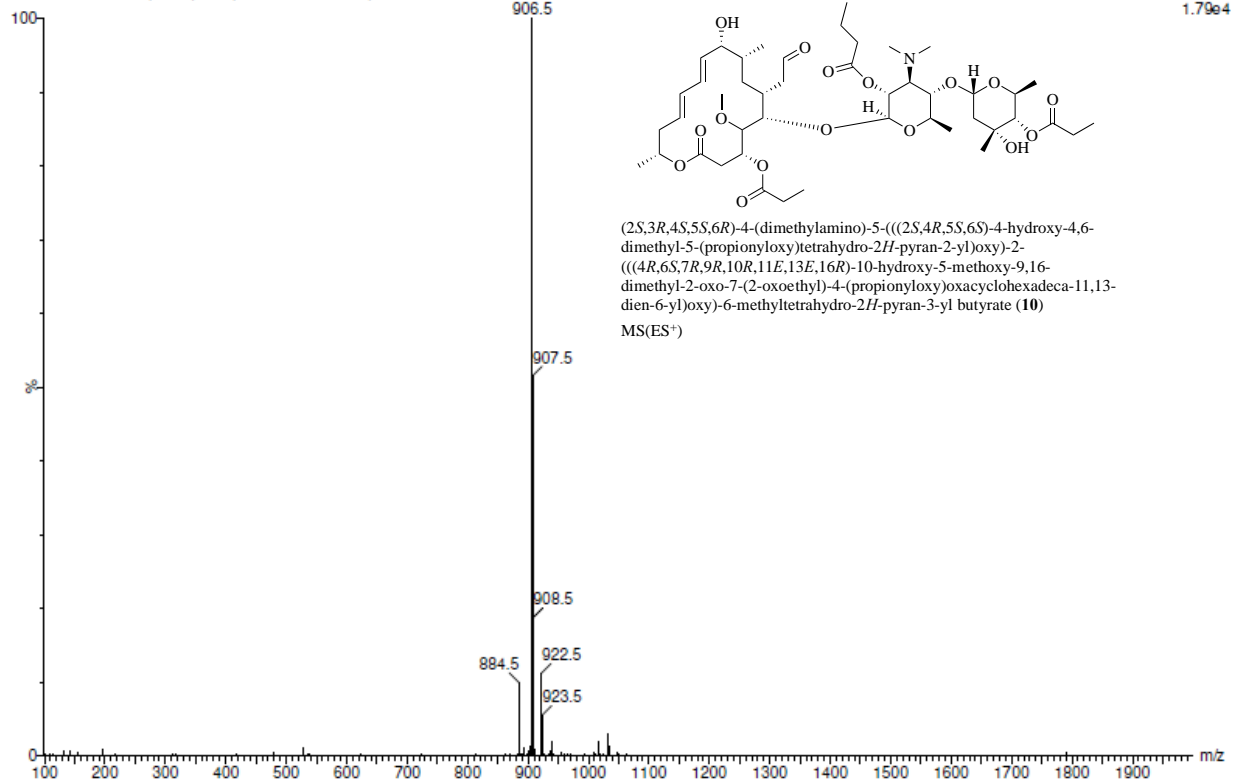
1-(2,6-bis(undecan-6-yloxy)benzyl)-1H-imidazole (**G2(Im,OC₅)**)

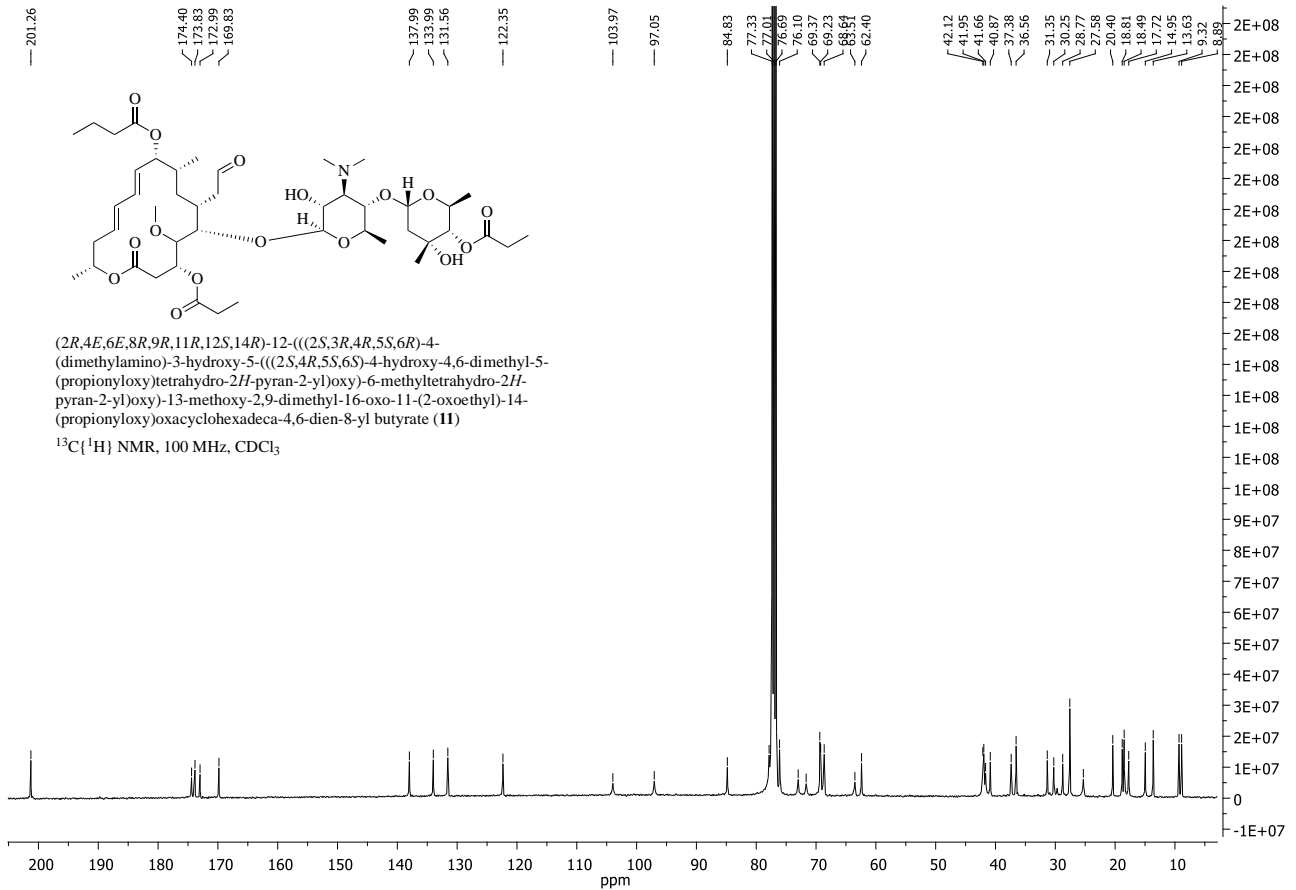
¹H NMR, 400 MHz, CDCl₃



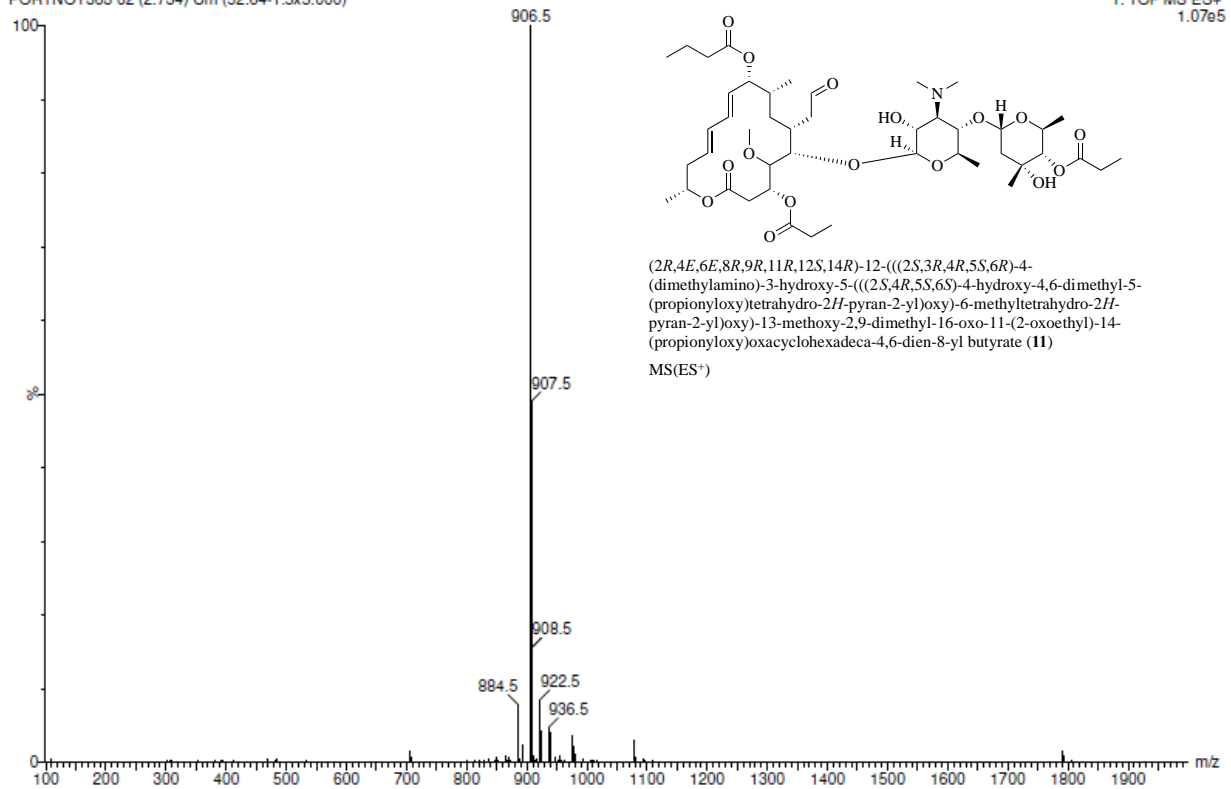


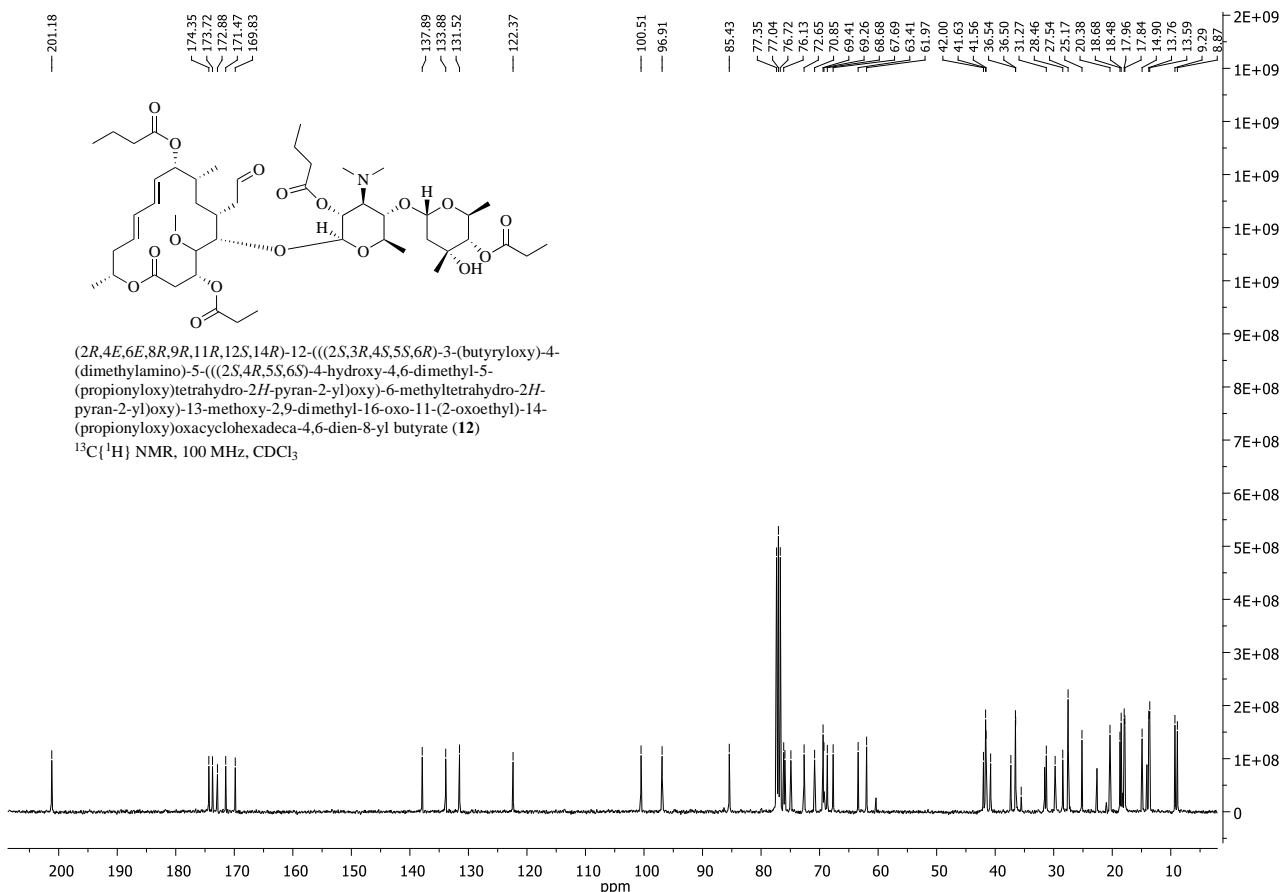
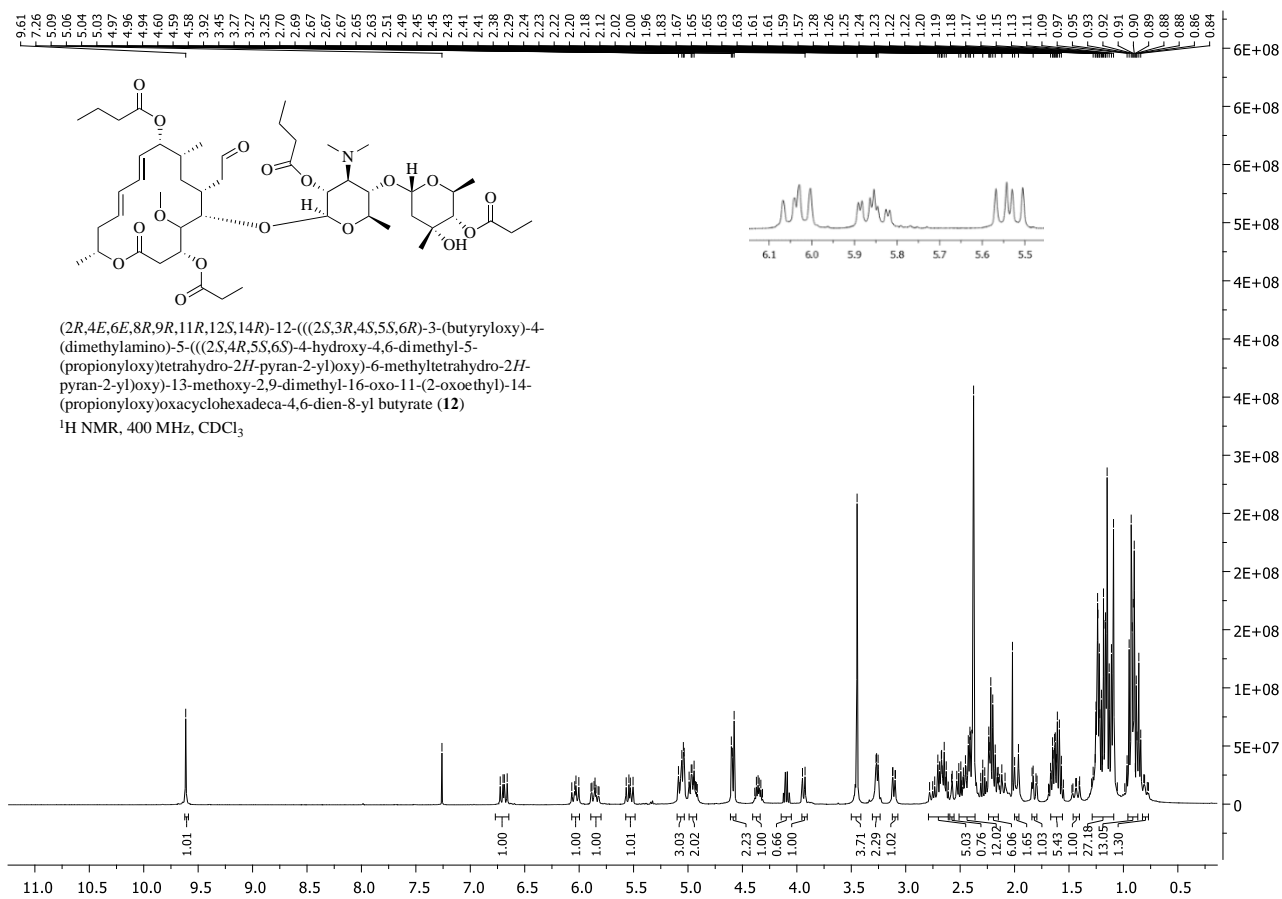
PORTNOY325e 62 (2.734) Cm (61:99-14:22x5.000)

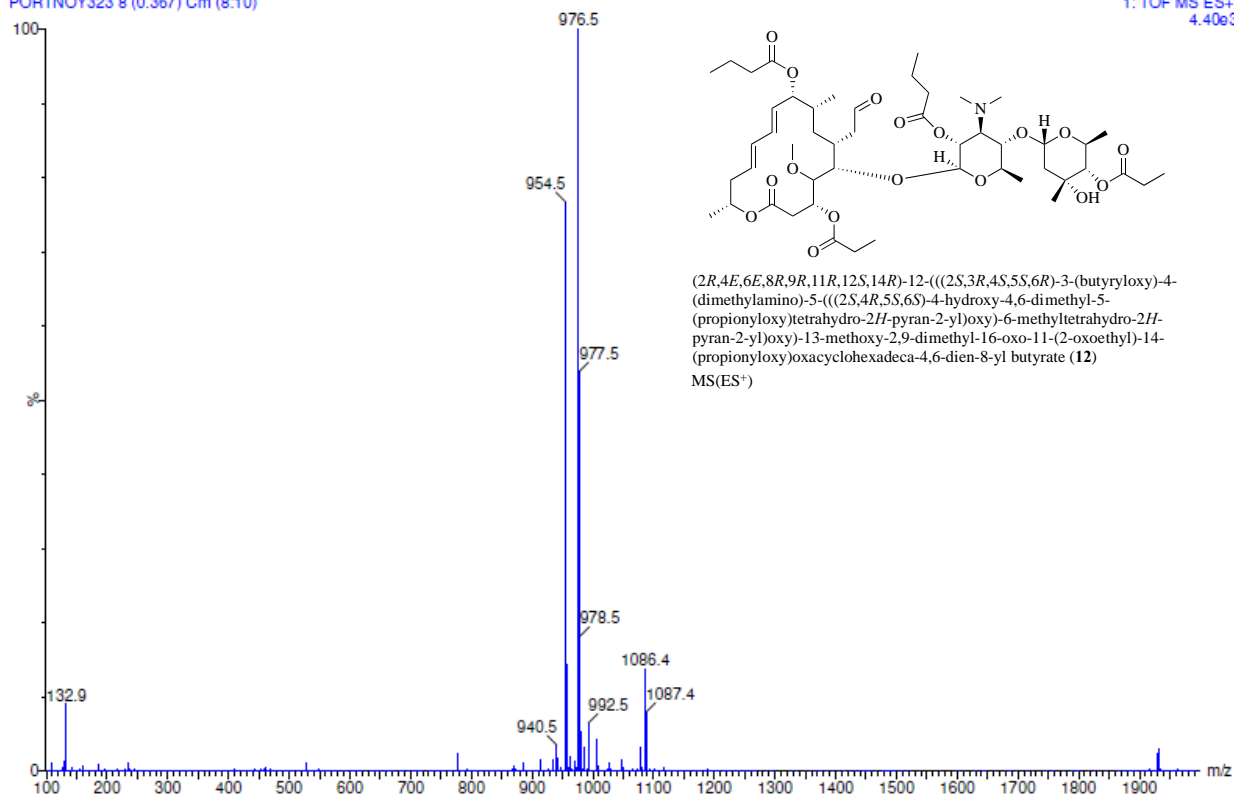




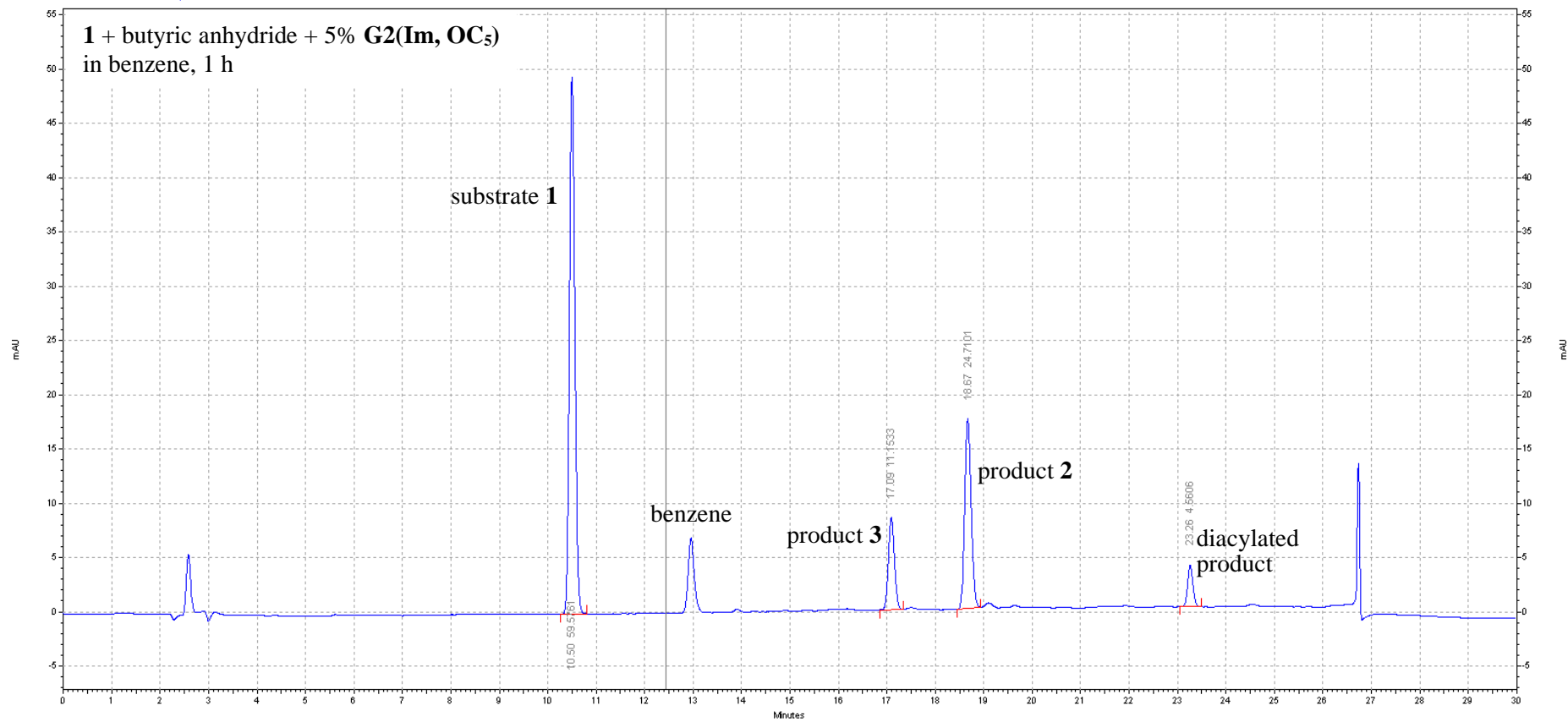
PORTNOY363 62 (2.734) Cm (52:64-1.5x5.000)



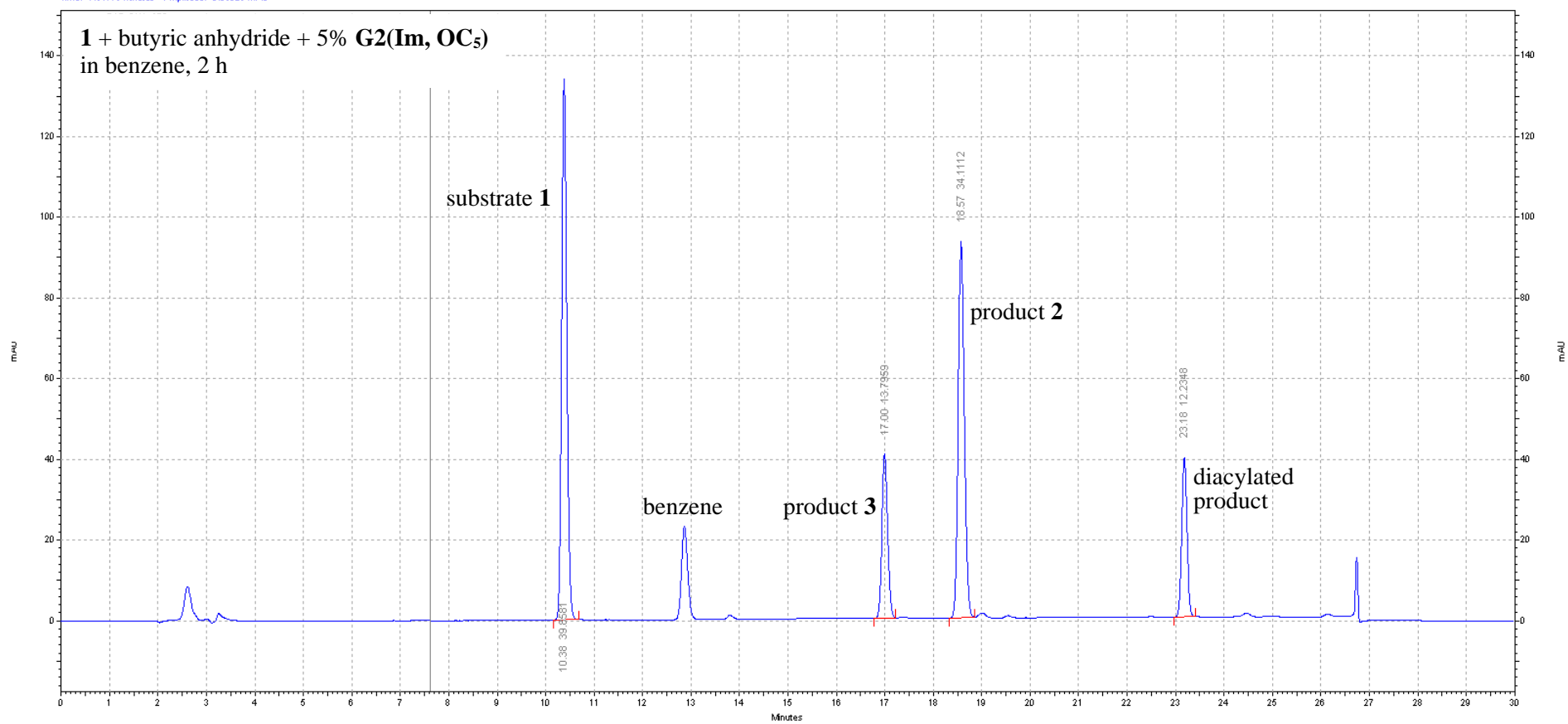




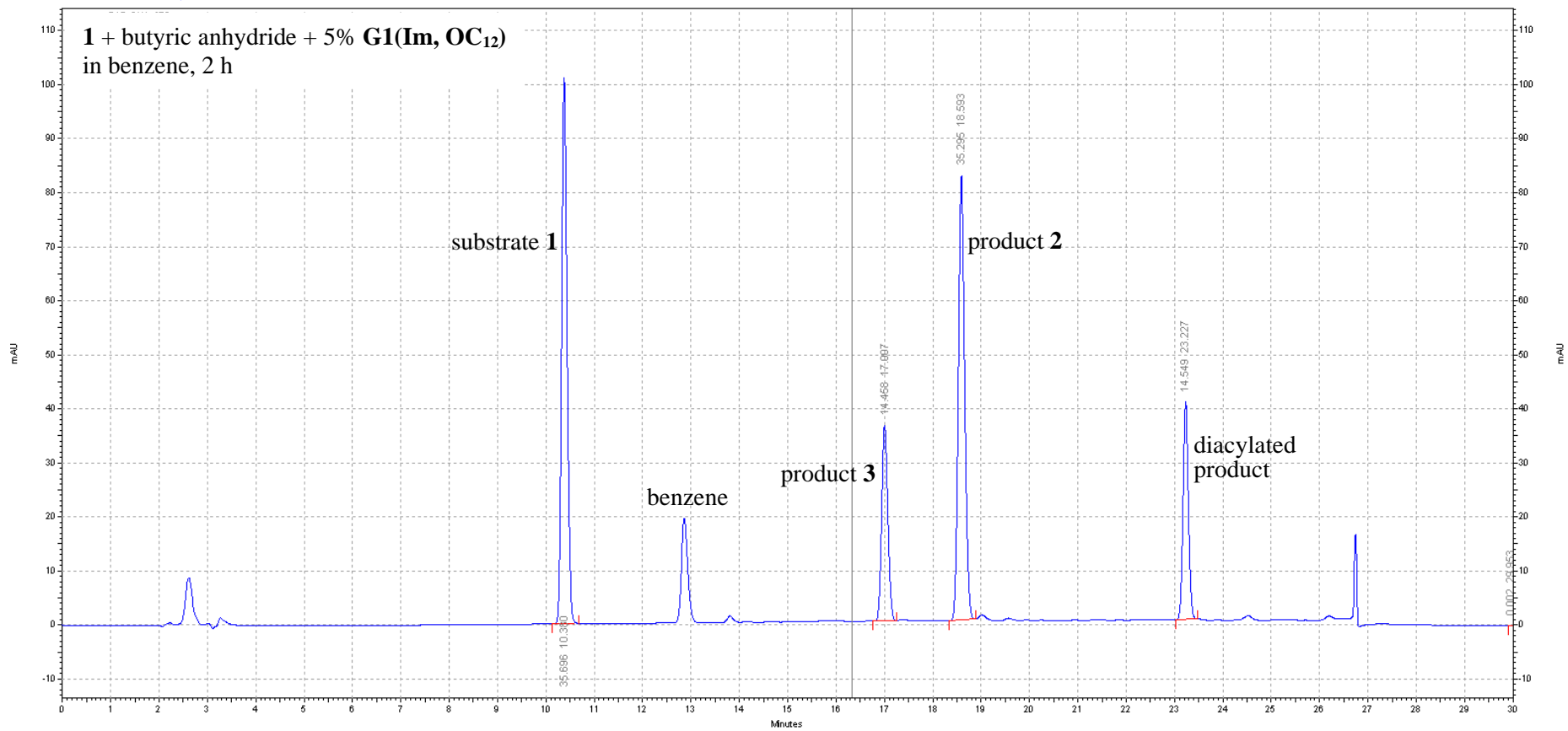
Time: 12.4386 Minutes - Amplitude: -0.12825 mAU



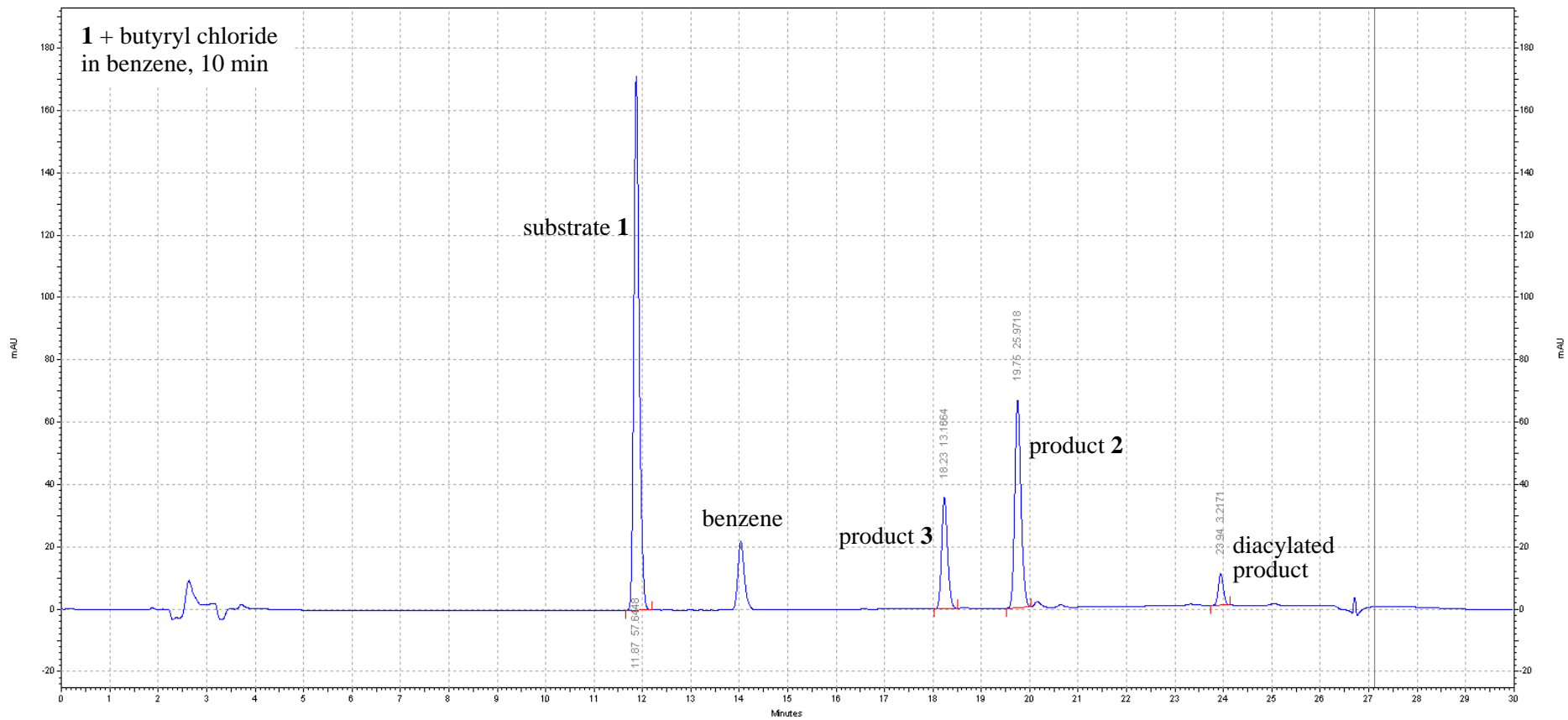
Time: 7.61778 Minutes - Amplitude: 0.03025 mAU



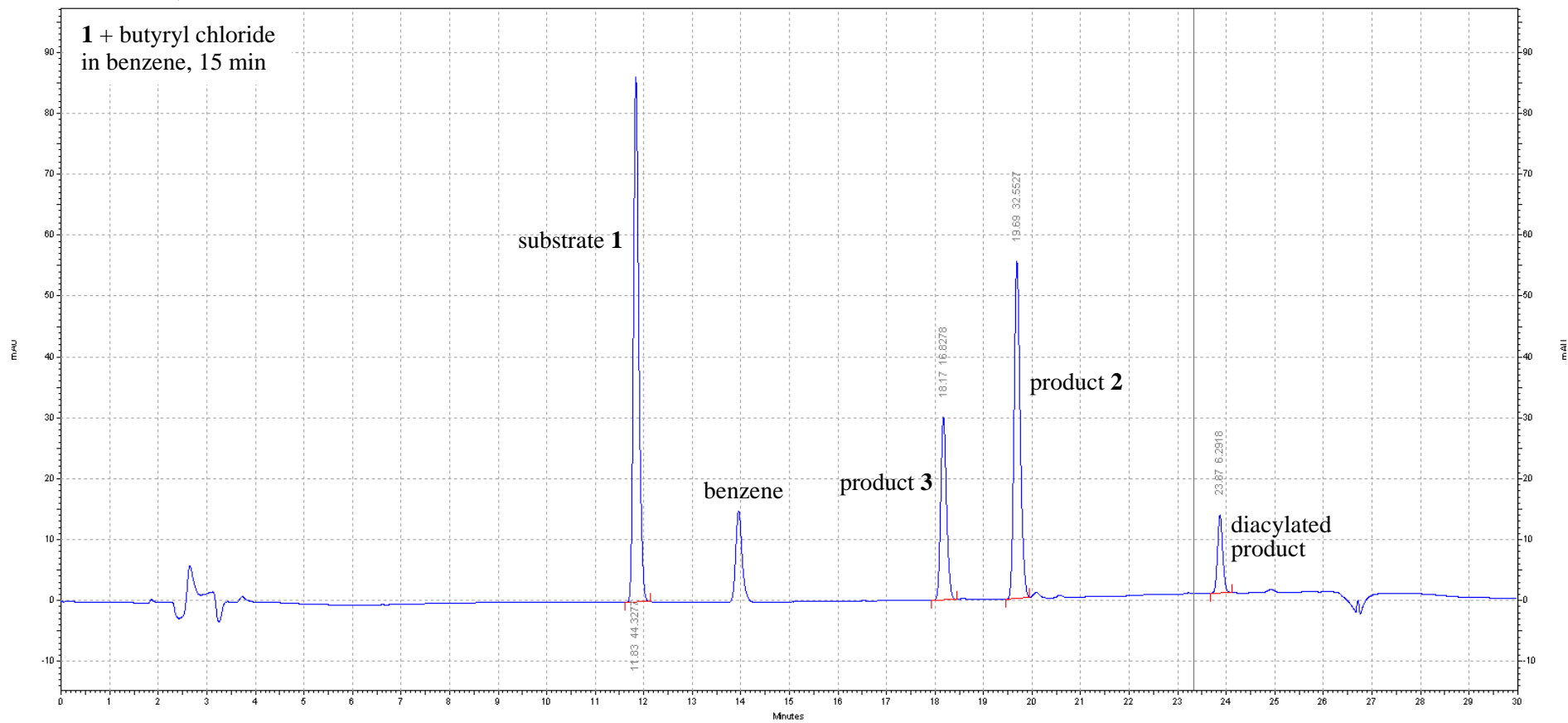
Time: 16.3304 Minutes - Amplitude: 0.6325 mAU



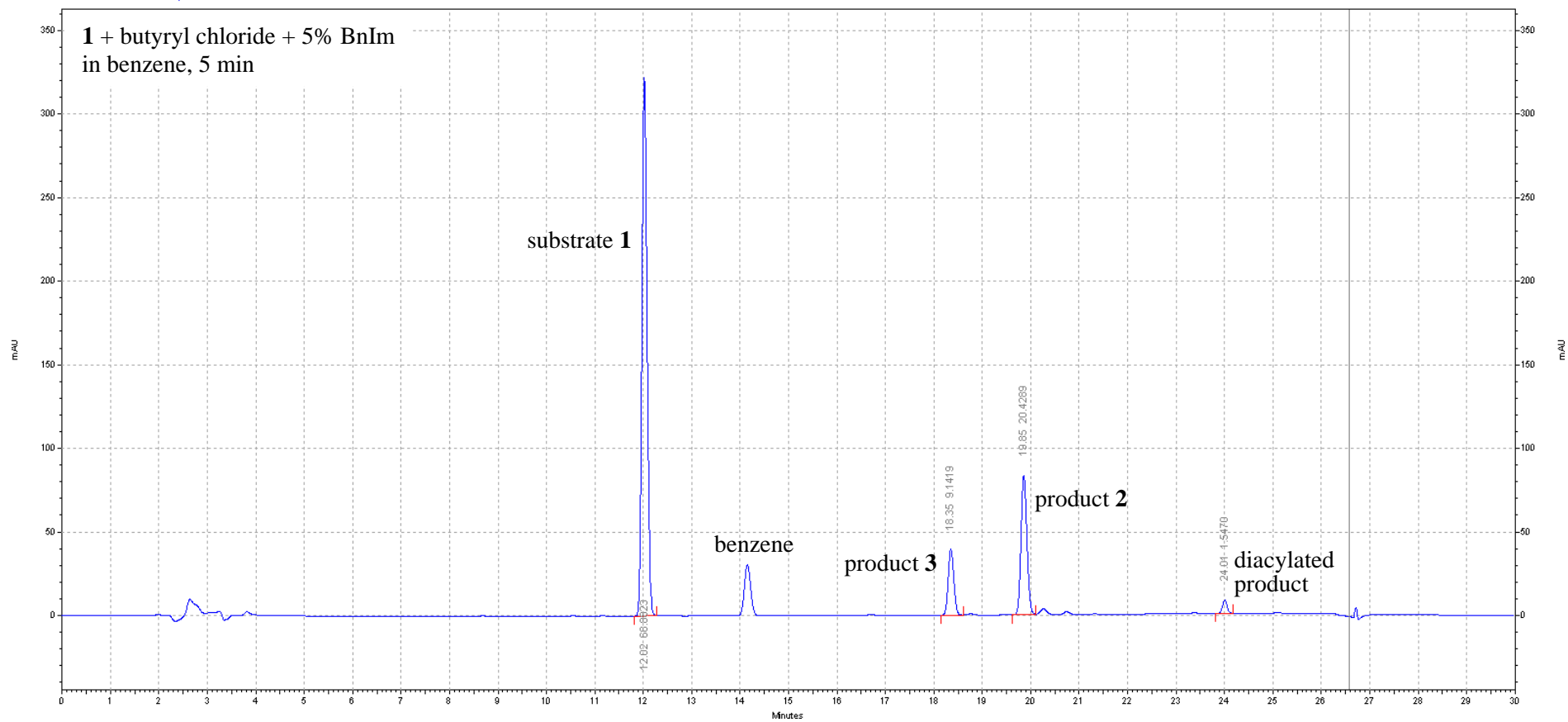
Time: 27.1223 Minutes - Amplitude: 0.728 mAU



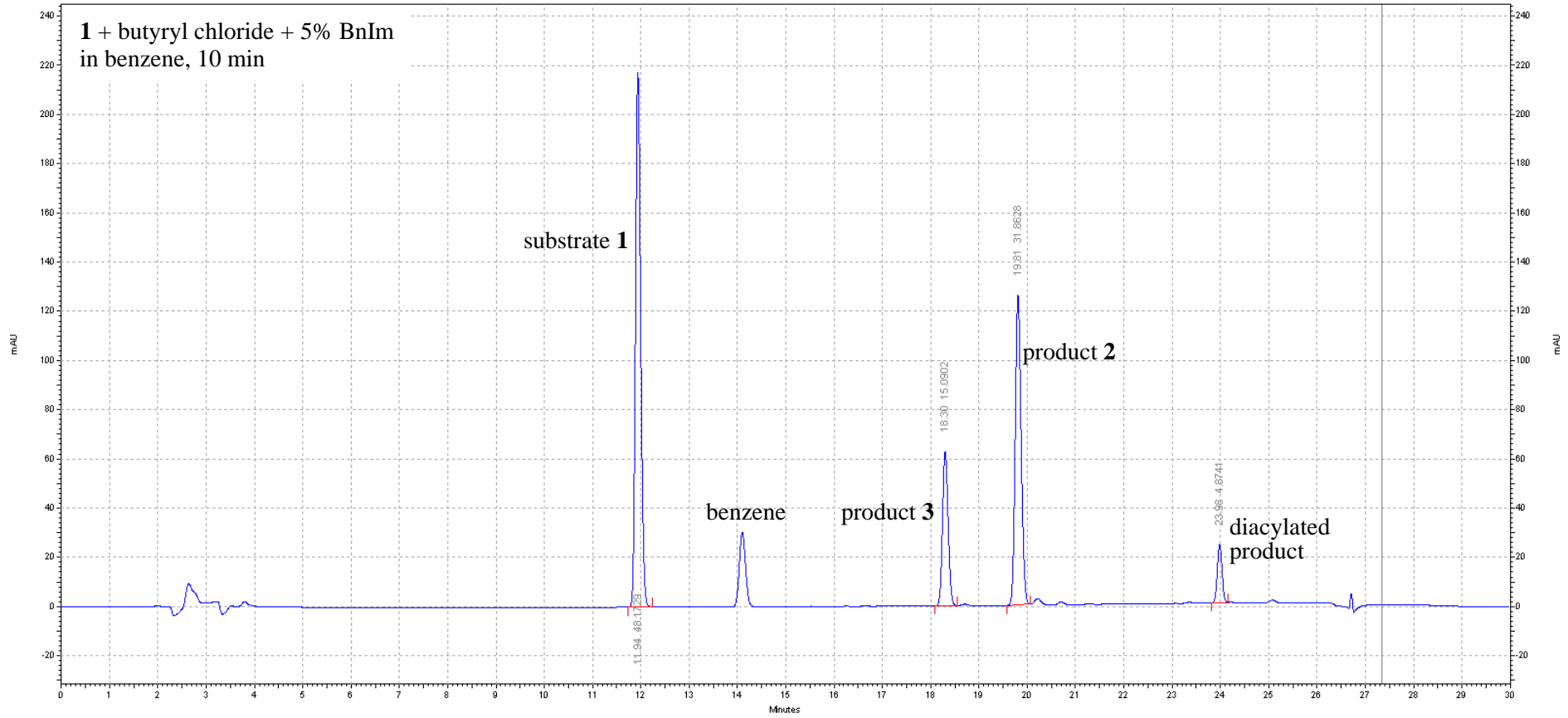
Time: 23.3298 Minutes - Amplitude: 1.12225 mAU



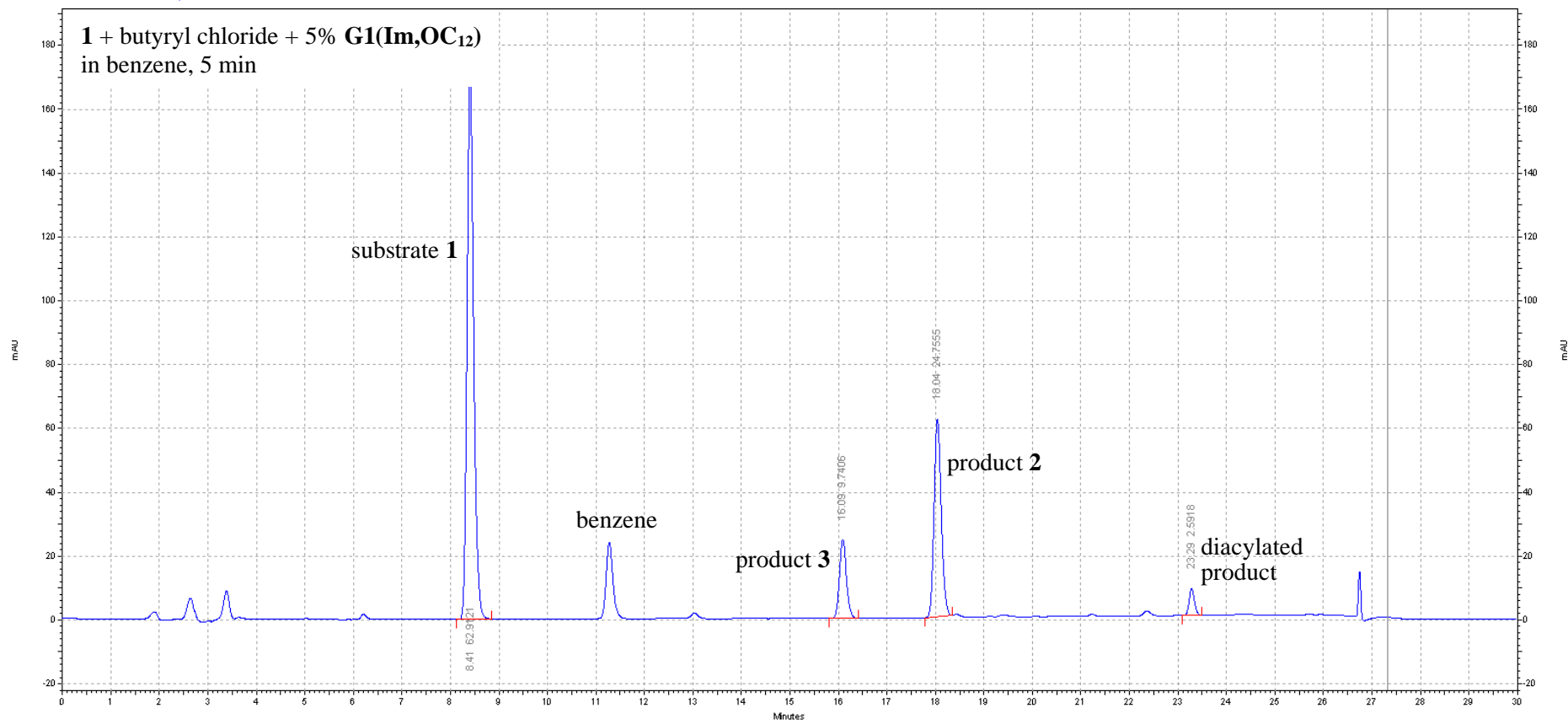
Time: 26.5772 Minutes - Amplitude: -0.6425 mAU



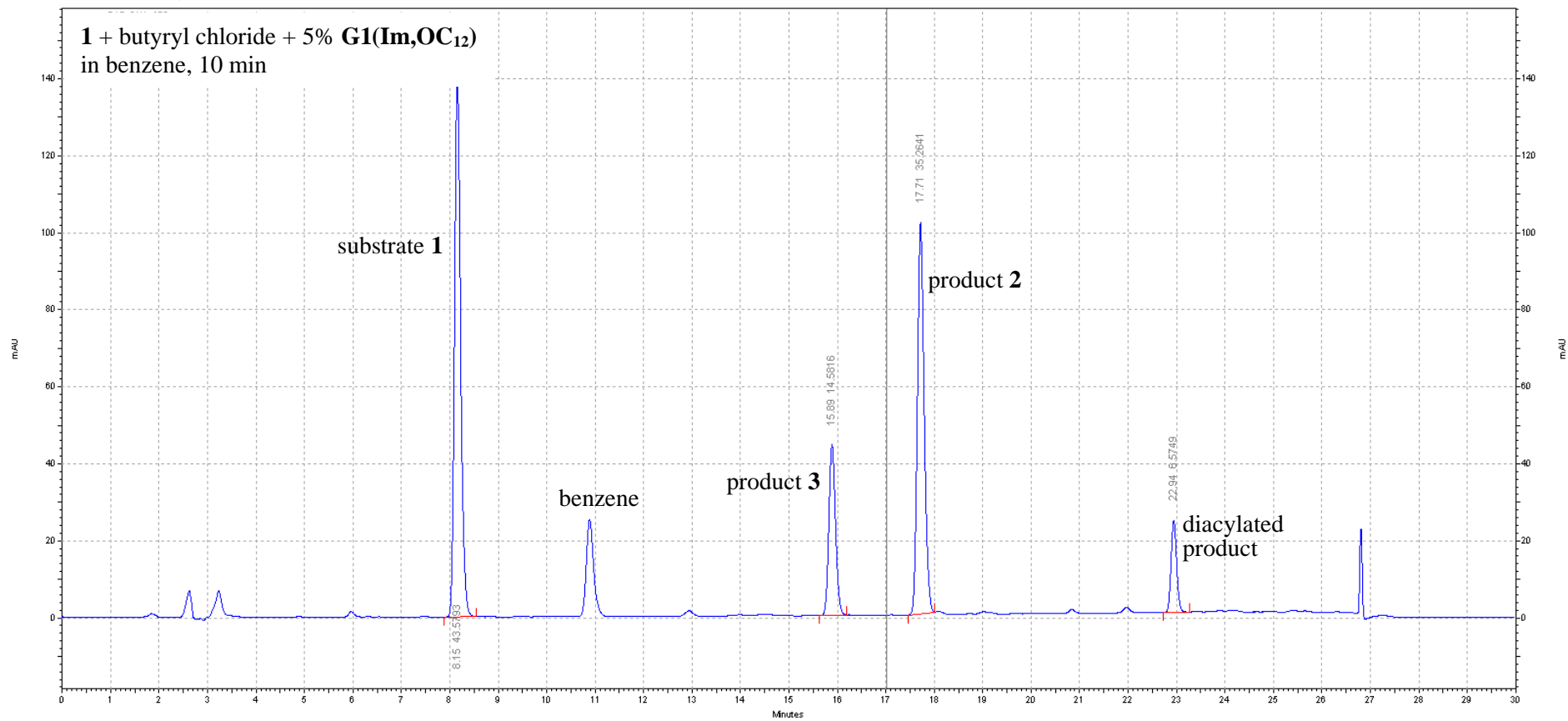
Time: 27.3441 Minutes - Amplitude: 0.791 mAU



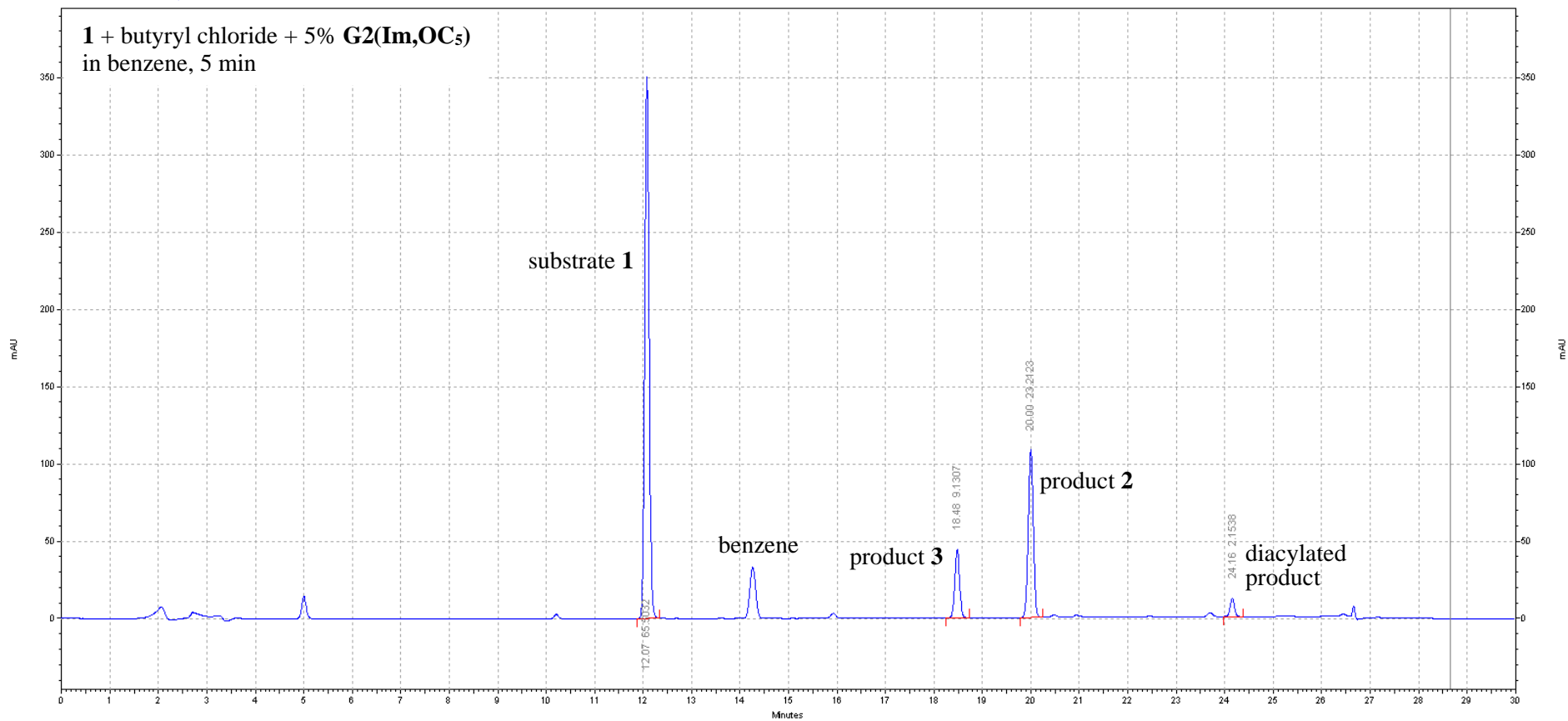
Time: 27.3235 Minutes - Amplitude: 0.813 mAU



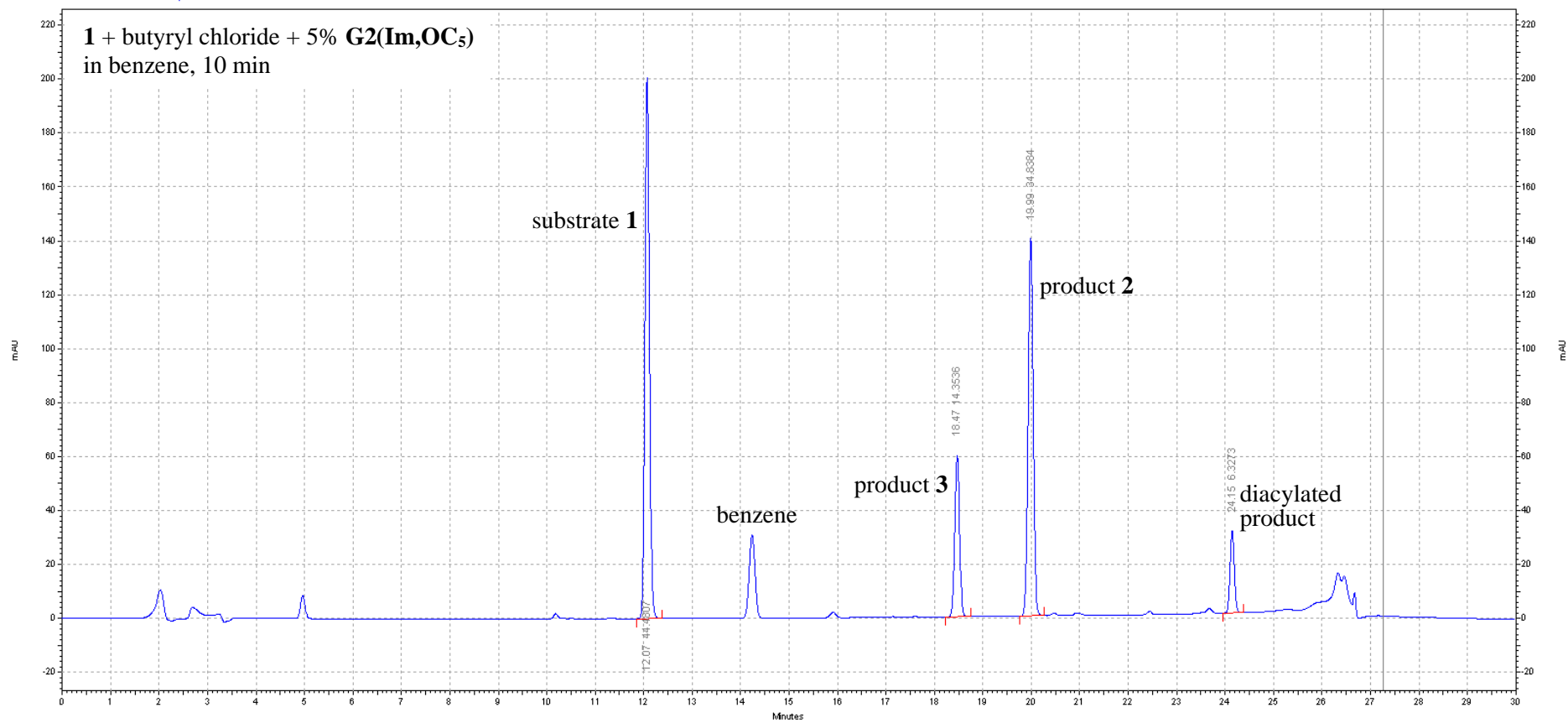
Time: 17.0171 Minutes - Amplitude: 0.71225 mAU

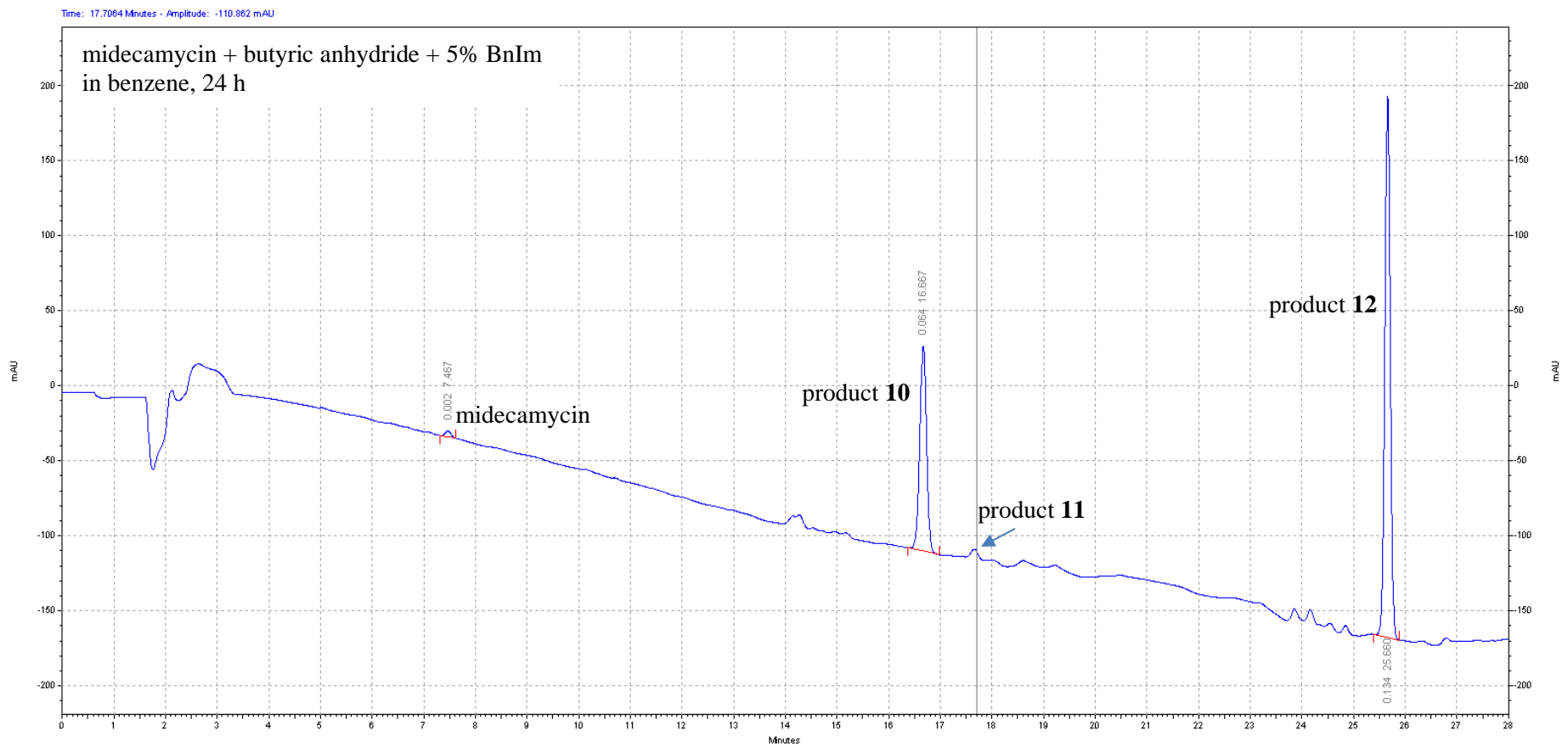


Time: 28.6553 Minutes - Amplitude: -0.22025 mAU



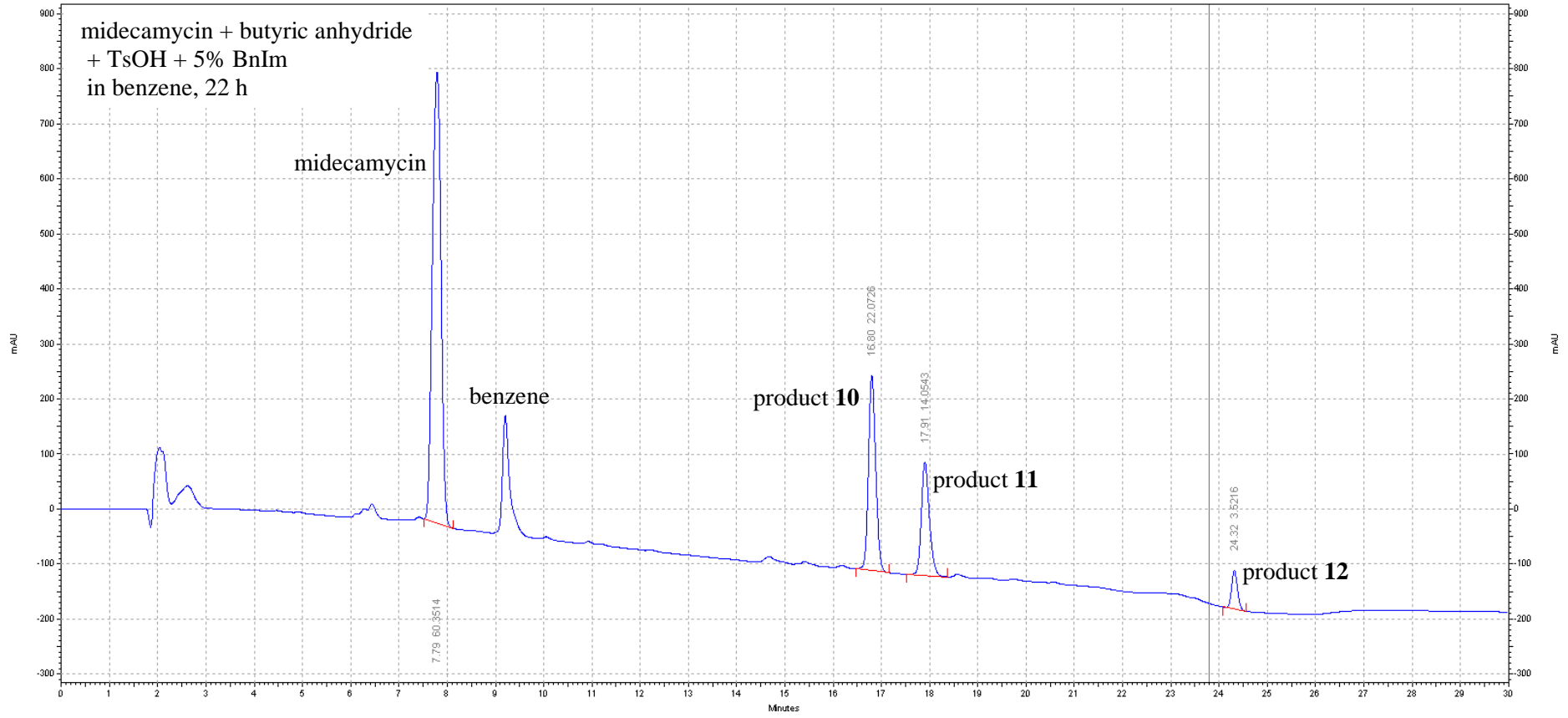
Time: 27.2633 Minutes - Amplitude: 0.88726 mAU



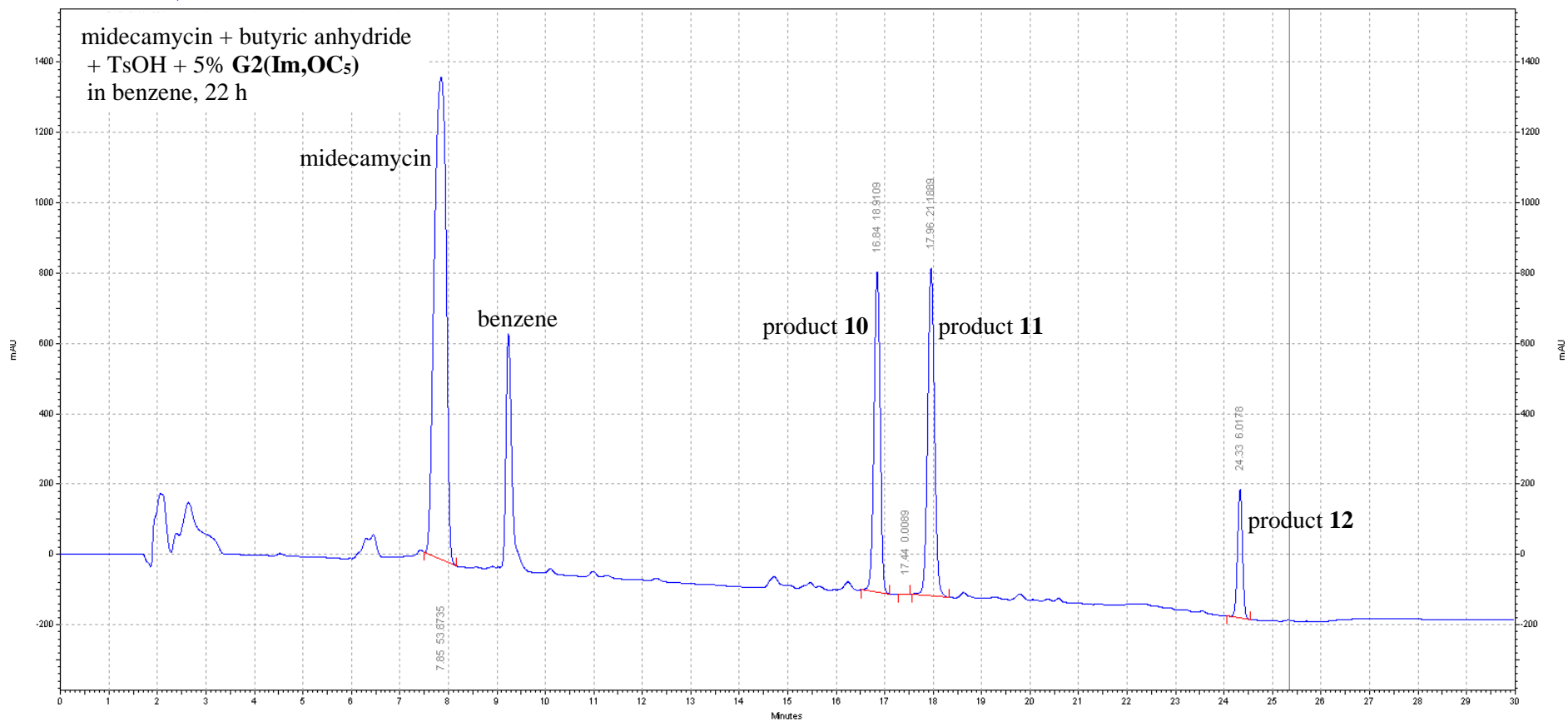


* the integrations were extracted manually due to faulty printout

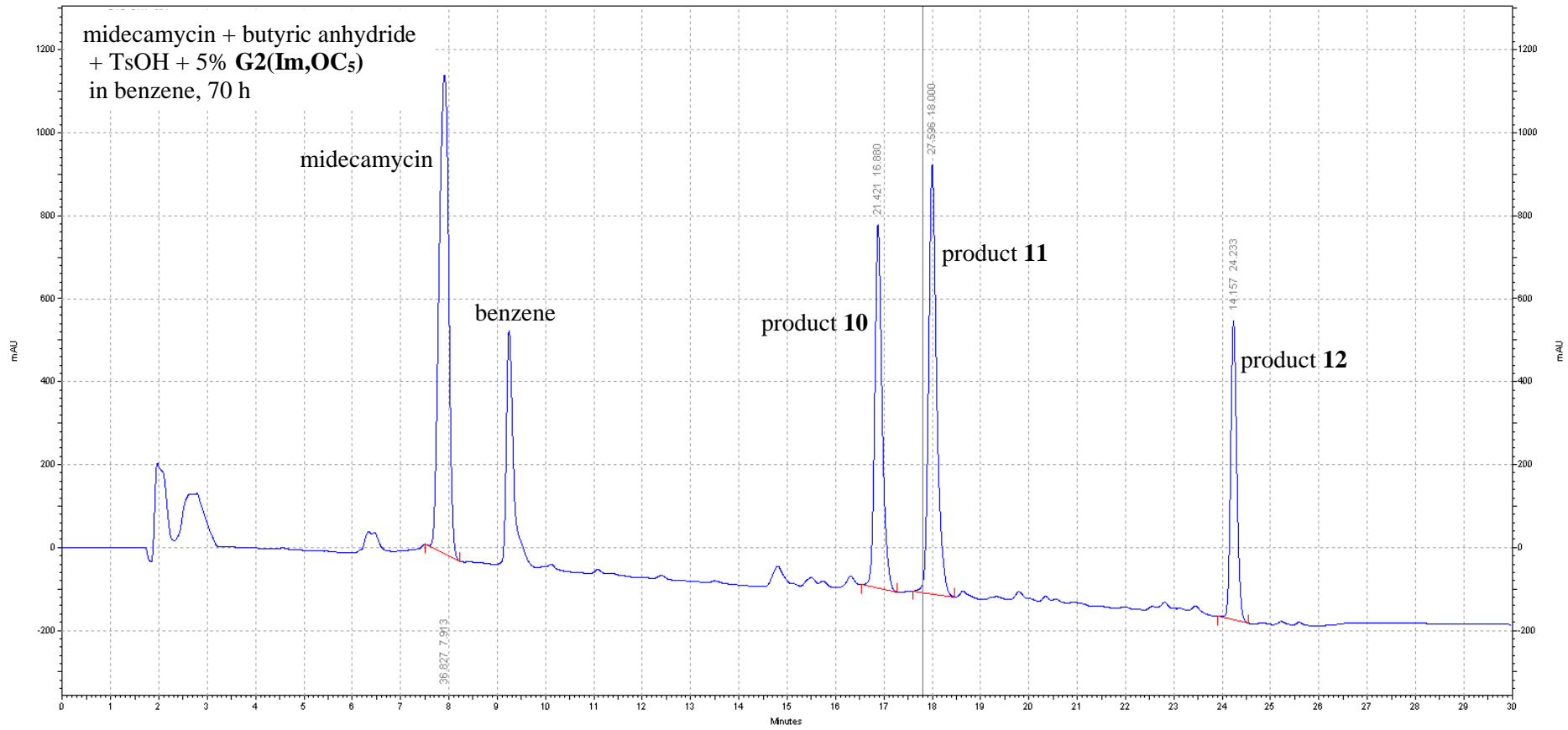
Time: 23.794 Minutes - Amplitude: -171.587 mAU

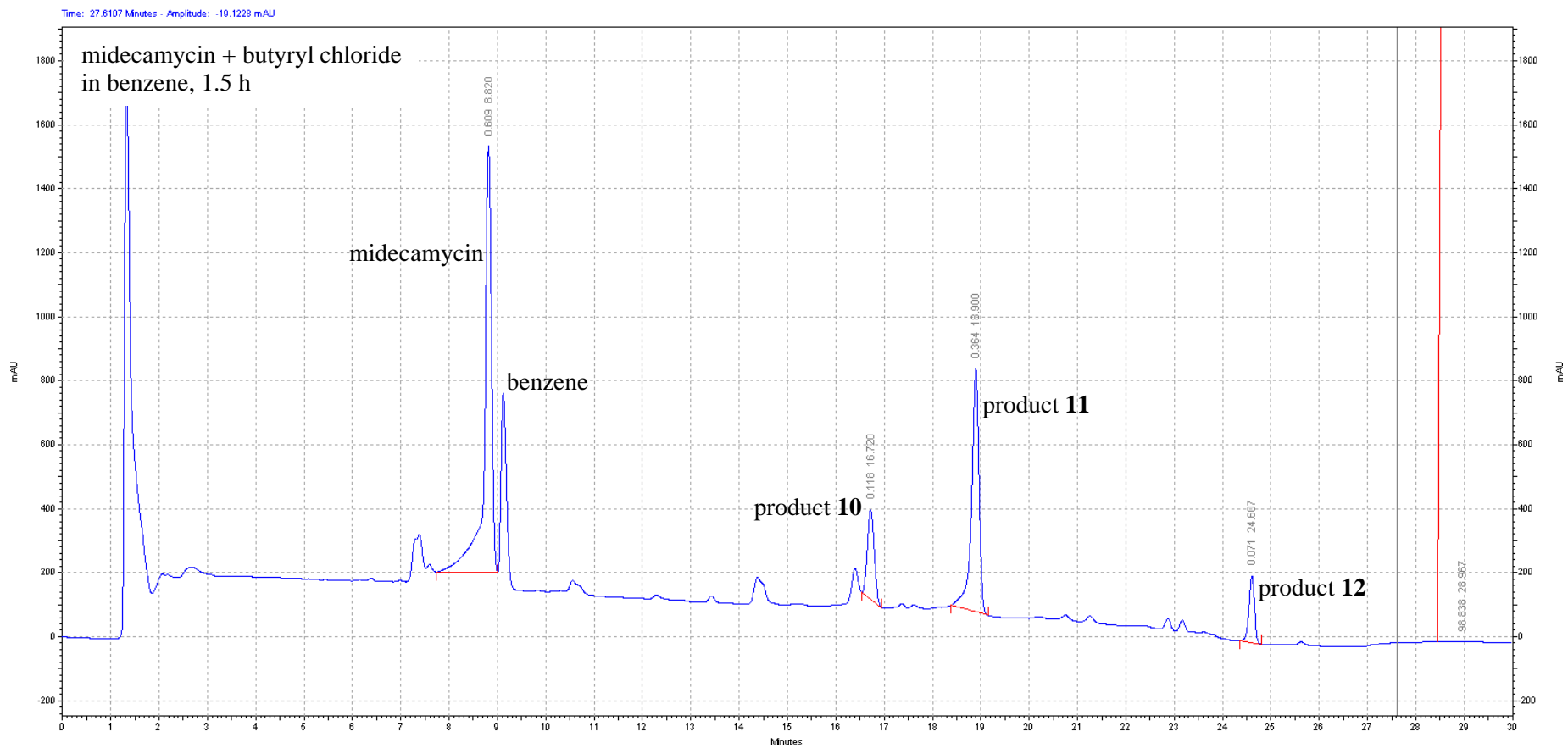


Time: 25.3469 Minutes - Amplitude: -186.73 mAU



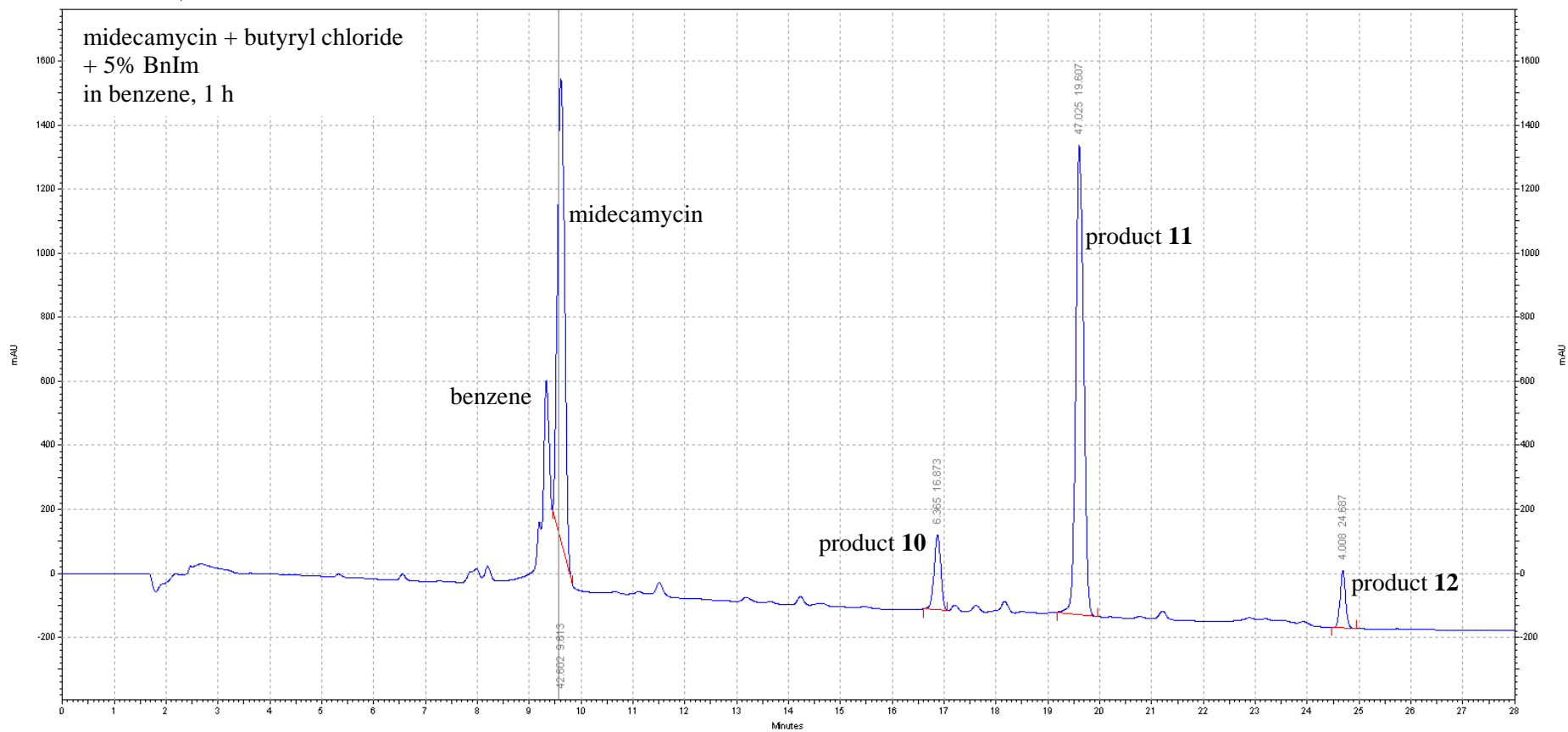
Time: 17.8044 Minutes - Amplitude: -85.3148 mAU





* the integrations were extracted manually due to faulty printout

Time: 9.58707 Minutes - Amplitude: 1276.26 mAU



Time: 17.3057 Minutes - Amplitude: -92.7368 mAU

