

Name:	10β-Hydroxy Norethindrone
Lot#:	GR-8-021
Test Date:	10/28/2020 (re-test date: 10/28/2025)
CAS No.:	1236-00-6
MF:	C ₂₀ H ₂₆ O ₃
MW:	314.42
Appearance:	White solid
Purity:	98.4% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms (contains a trace of EtOAc)
MS-ESI (+)	Conforms (shows peak at m/z = 315.20 [M+H] ⁺)
Storage	Long term store at 0 - 5° C in a dry place away from direct sunlight

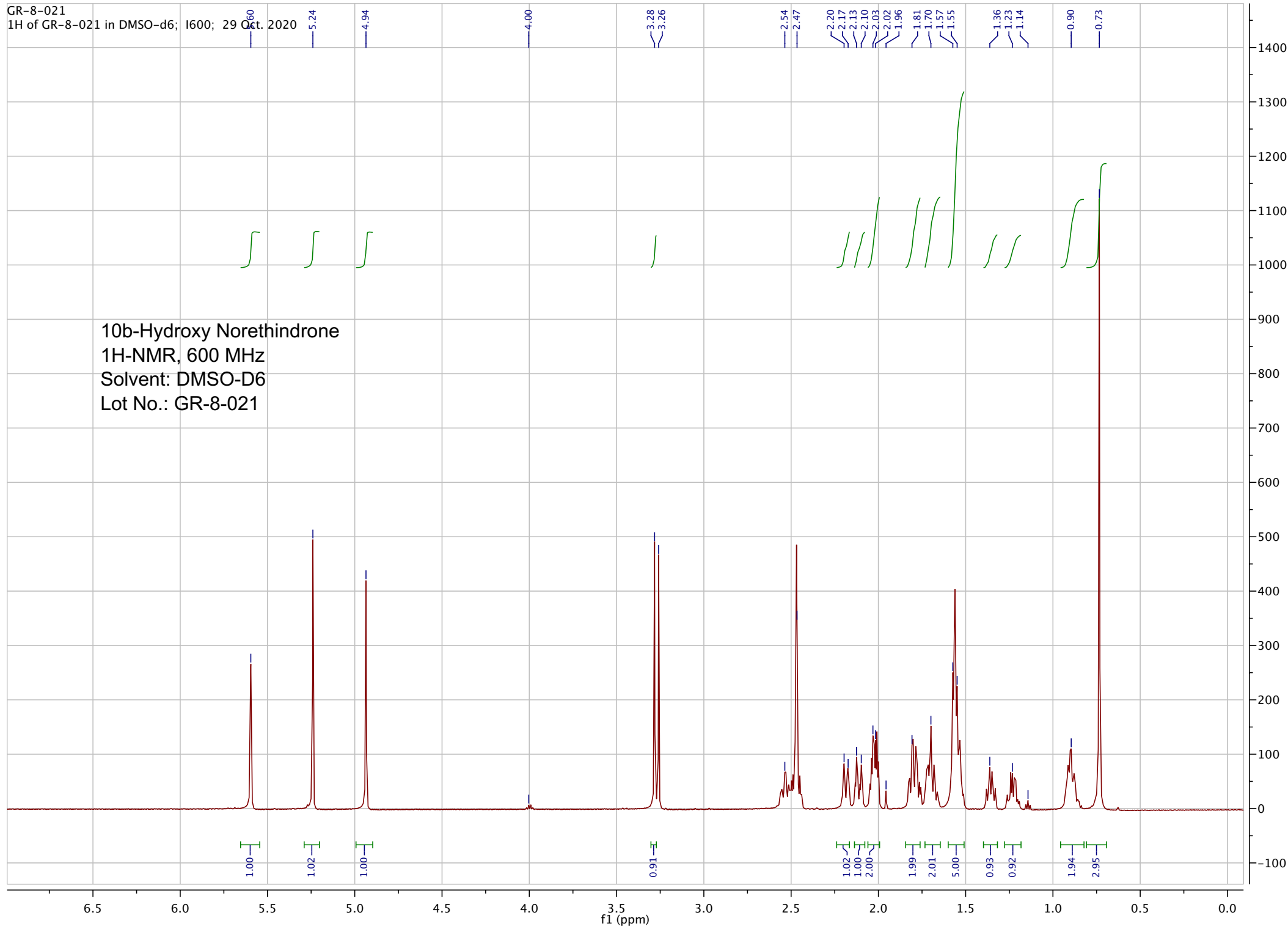
Approved by:

Date: 11/05/2020

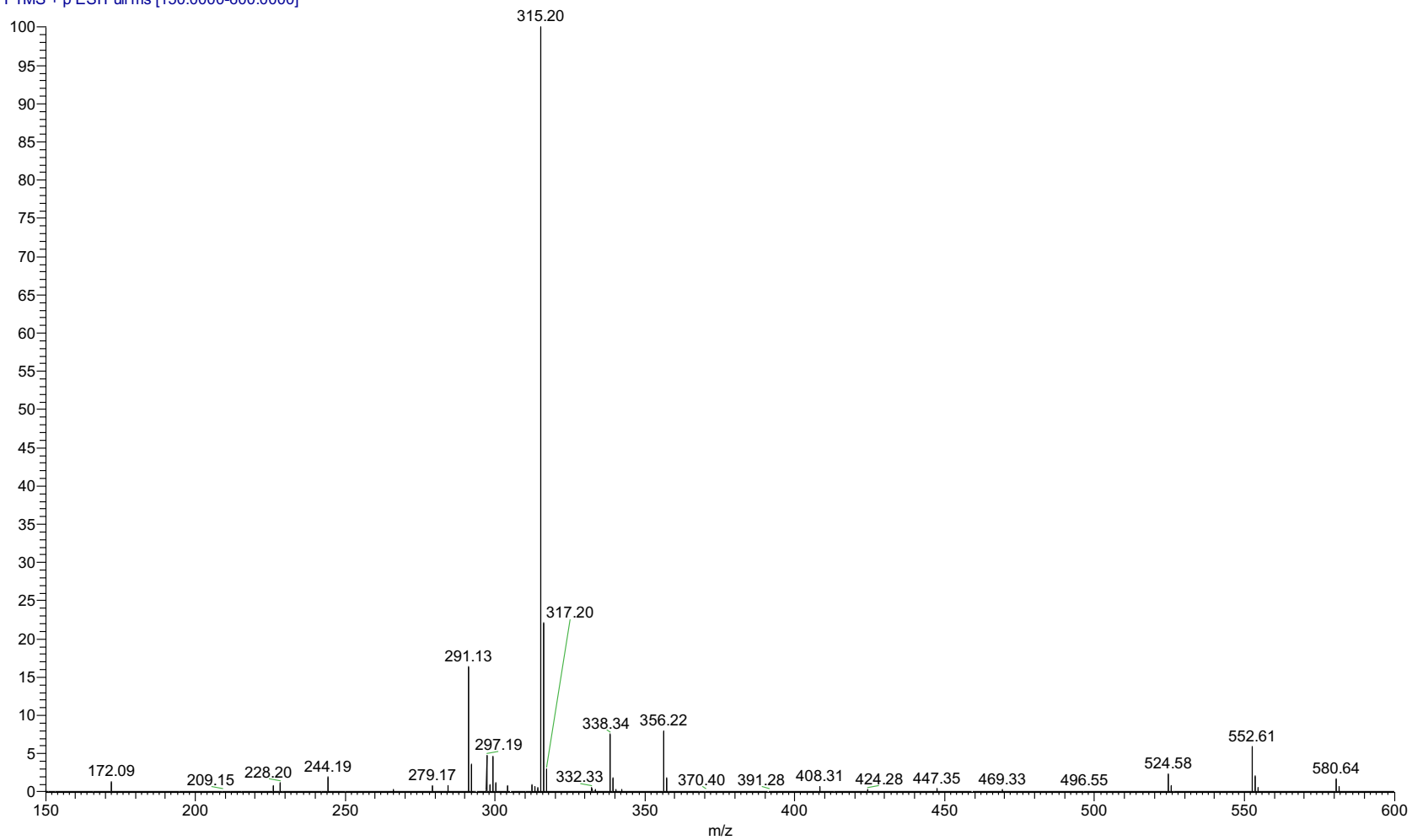


Viorica Rusu, QC/QA Manager

GR-8-021
1H of GR-8-021 in DMSO-d6; 1600; 29 Oct. 2020

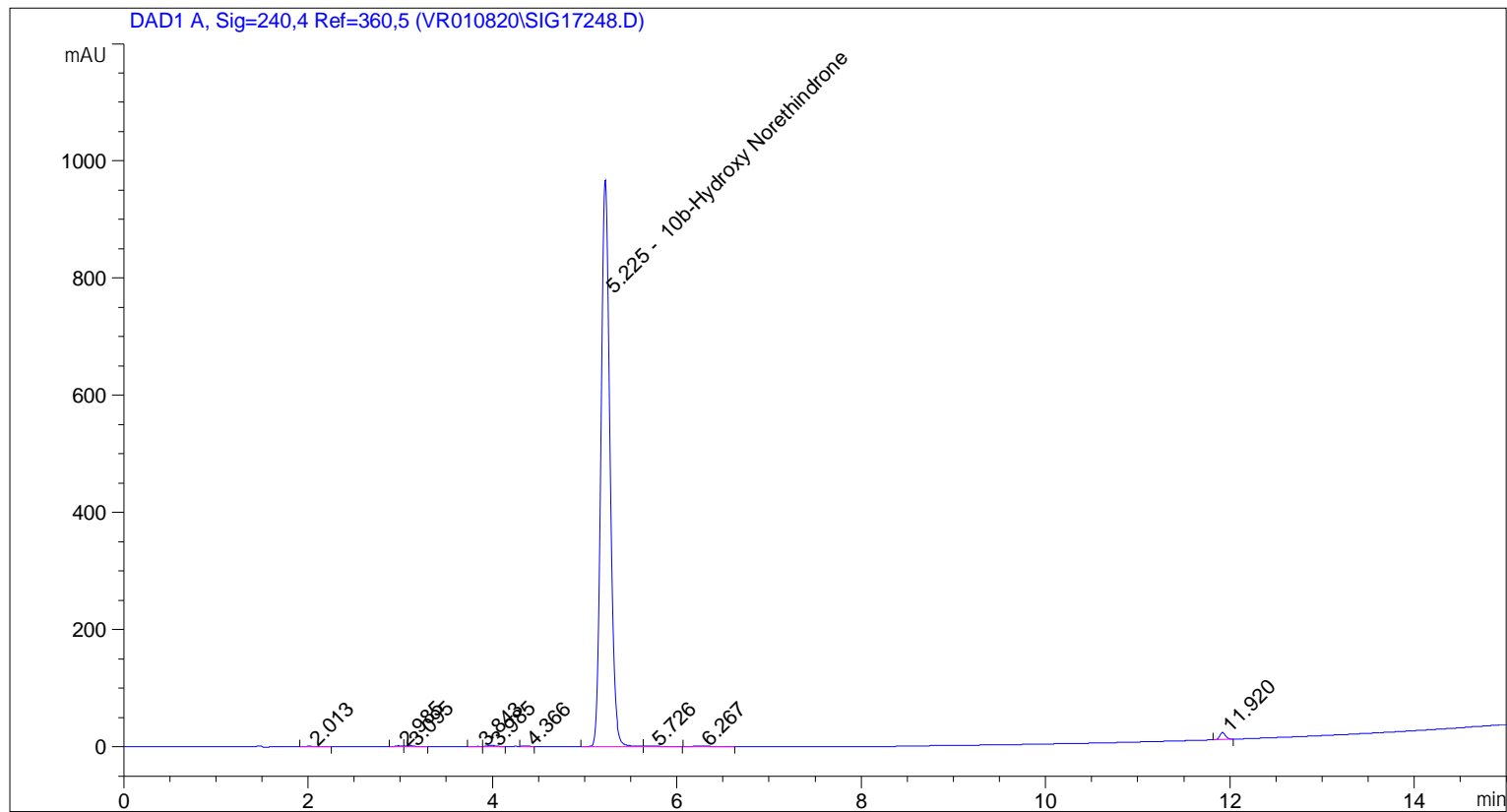


pp_2020_032_GR_8_021_1 #543 RT: 1.22 AV: 1 NL: 3.01E8
T: FTMS + p ESI Full ms [150.0000-600.0000]



ESI-MS spectrum for sample GR-8-021. Shows monoisotopic $[M+H]^+$ mass.

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 88
Injection Date : 10/28/2020 1:49:29 PM
Inj Volume : 3.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR102820_021.M
Last changed : 10/28/2020 1:47:37 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR110520_021PM.M
Last changed : 11/5/2020 1:19:58 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 11/5/2020 1:19:31 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.013	BB	0.0689	2.31086	0.0356	?
2	2.985	BV	0.0680	6.12247	0.0943	?
3	3.095	VB	0.0780	9.90708	0.1526	?
4	3.843	BV	0.0723	1.27253	0.0196	?
5	3.985	VB	0.0862	10.94928	0.1686	?
6	4.366	BB	0.0824	1.77011	0.0273	?
7	5.225	BV	0.1010	6393.84717	98.4634	10b-Hydroxy Norethindrone
8	5.726	VB	0.1333	6.73765	0.1038	?

Sample Name: GR-8-021

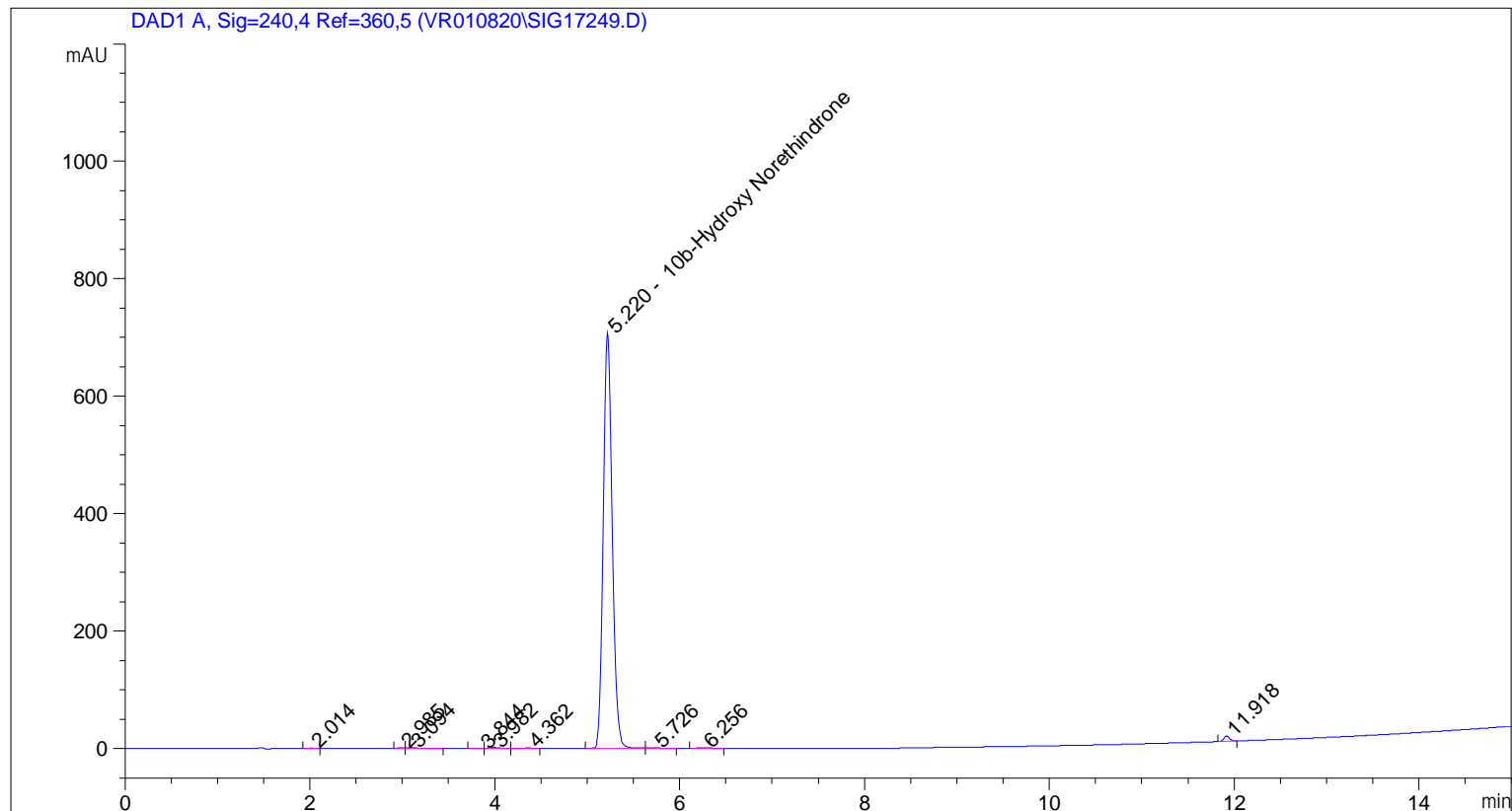
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	6.267	BB	0.1260	10.28996	0.1585	?
10	11.920	BB	0.0645	50.42385	0.7765	?

Totals : 6493.63095

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 89
Injection Date  : 10/28/2020 2:13:52 PM
                                           Inj Volume : 3.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR102820_021.M
Last changed    : 10/28/2020 2:13:02 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR110520_021PM.M
Last changed    : 11/5/2020 1:19:58 PM by vrusu
  
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Area Percent Report

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Sorted By           : Signal
Calib. Data Modified : 11/5/2020 1:19:31 PM
Multiplier          : 1.0000
Dilution            : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
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Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.014	BB	0.0641	1.64747	0.0348	?
2	2.985	BV	0.0657	4.41932	0.0935	?
3	3.094	VB	0.0822	8.25558	0.1746	?
4	3.844	BV	0.0670	9.71910e-1	0.0206	?
5	3.982	VB	0.0889	8.55601	0.1809	?
6	4.362	BB	0.1177	2.90072	0.0613	?
7	5.220	BV	0.1028	4653.25146	98.3989	10b-Hydroxy Norethindrone
8	5.726	VB	0.1231	4.43122	0.0937	?

Sample Name: GR-8-021

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	6.256	BB	0.1261	7.47384	0.1580	?
10	11.918	BB	0.0644	37.05904	0.7837	?

Totals : 4728.96657

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*** End of Report ***