

Name:	6β-Hydroxy Ethynyl Estradiol
Lot#:	GR-15-133
Test Date:	11/13/2020 (re-test date: 11/13/2025)
CAS No.:	56324-28-8
MF:	C ₂₀ H ₂₄ O ₃
MW:	312.41
Appearance:	White solid
Purity:	97.6% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms (contains ~1.5% ACN)
MS-ESI (-)	Conforms (shows peak at m/z = 311.17 [M-H] ⁻)
Storage	Long term store at 0 - 5° C in a dry place away from direct sunlight

Approved by:

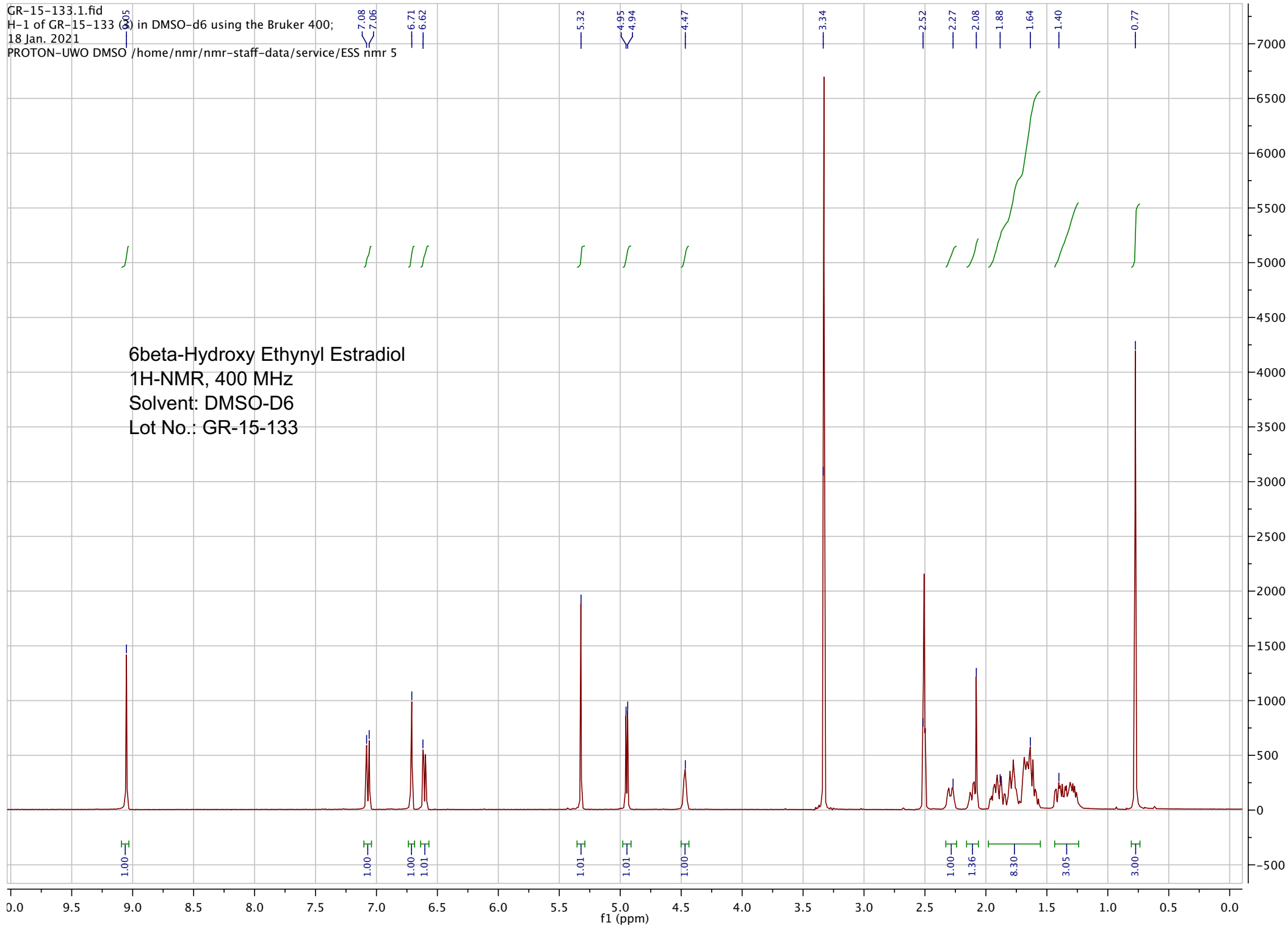
Date: 01/18/2021



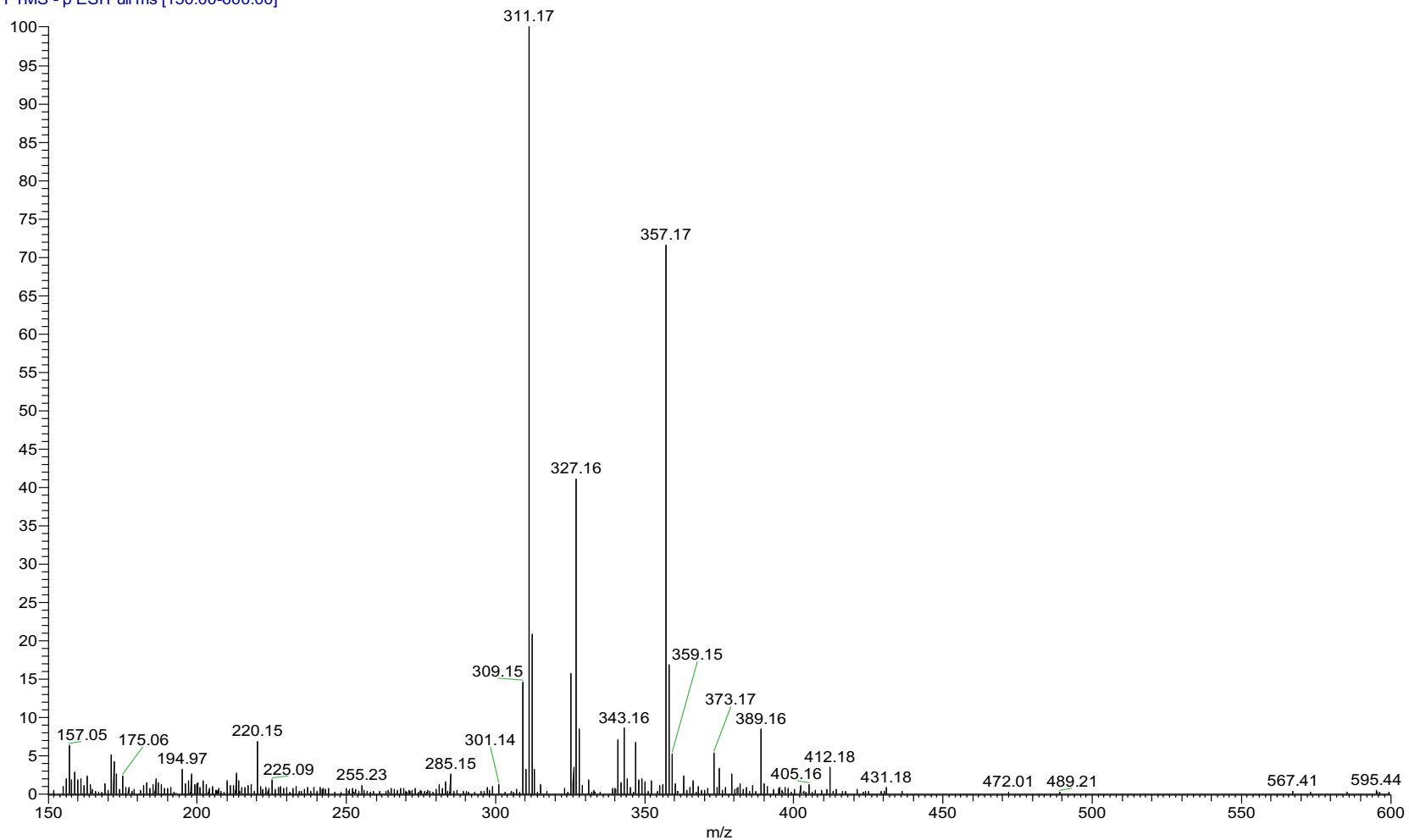
Viorica Rusu, QC/QA Manager

GR-15-133.1.fid
H-1 of GR-15-133 (3) in DMSO-d6 using the Bruker 400;
18 Jan. 2021
PROTON-UWO DMSO /home/nmr/nmr-staff-data/service/ESS nmr 5

6beta-Hydroxy Ethynyl Estradiol
1H-NMR, 400 MHz
Solvent: DMSO-D6
Lot No.: GR-15-133

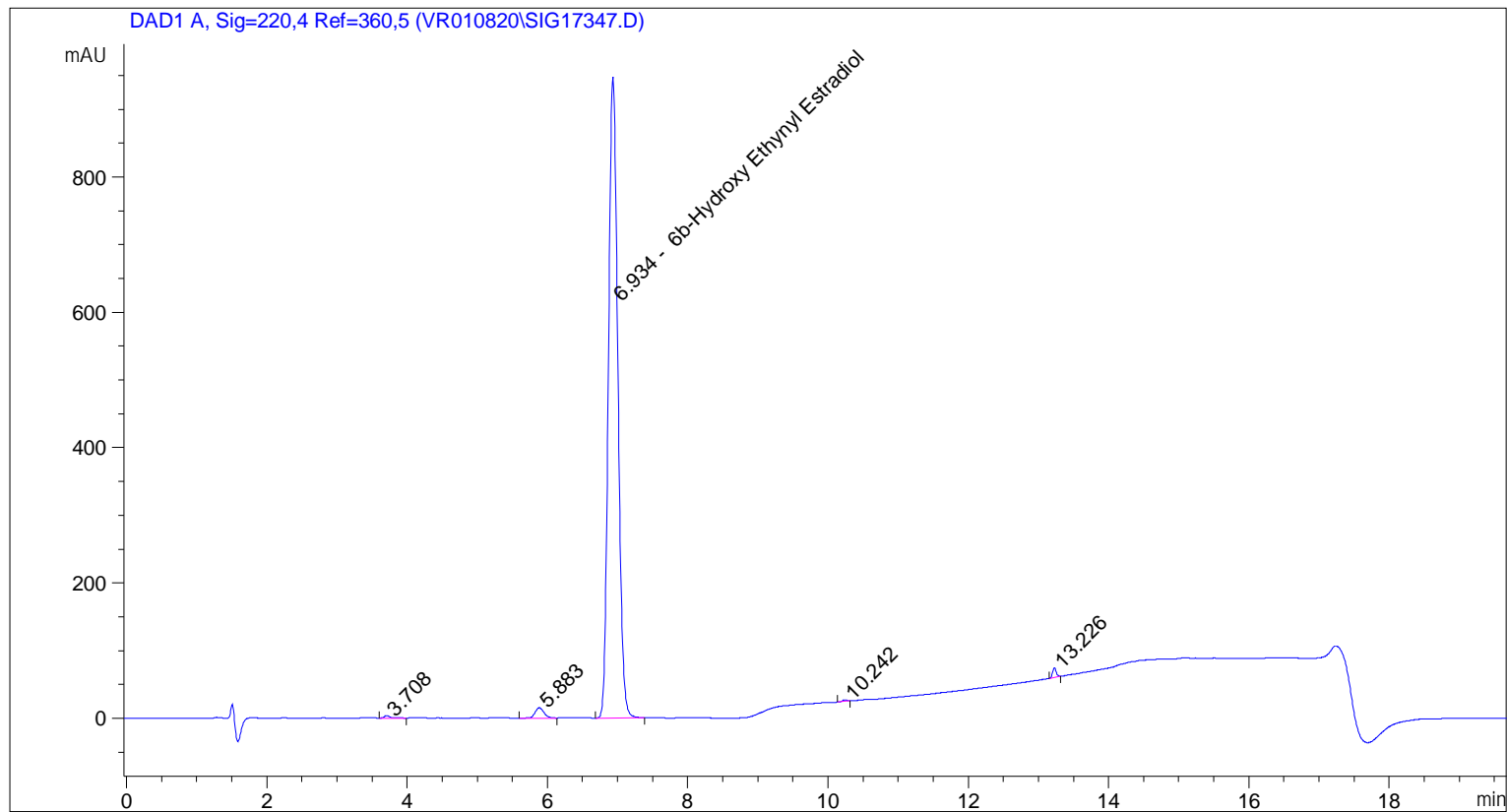


pp_2020_027_GR_15_133_001_1059 RT 6.01 AV 1 NL 1.35E5
T: FTMS - p ESI Full ms [150.00-600.00]



ESI-MS spectrum for sample GR-15-133. Shows monoisotopic [M-H]⁻ mass.

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 42
Injection Date : 11/13/2020 12:54:05 PM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR111320_133.M
Last changed : 11/13/2020 12:53:01 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR111320_133PM.M
Last changed : 11/13/2020 1:45:59 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 11/13/2020 1:45:37 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

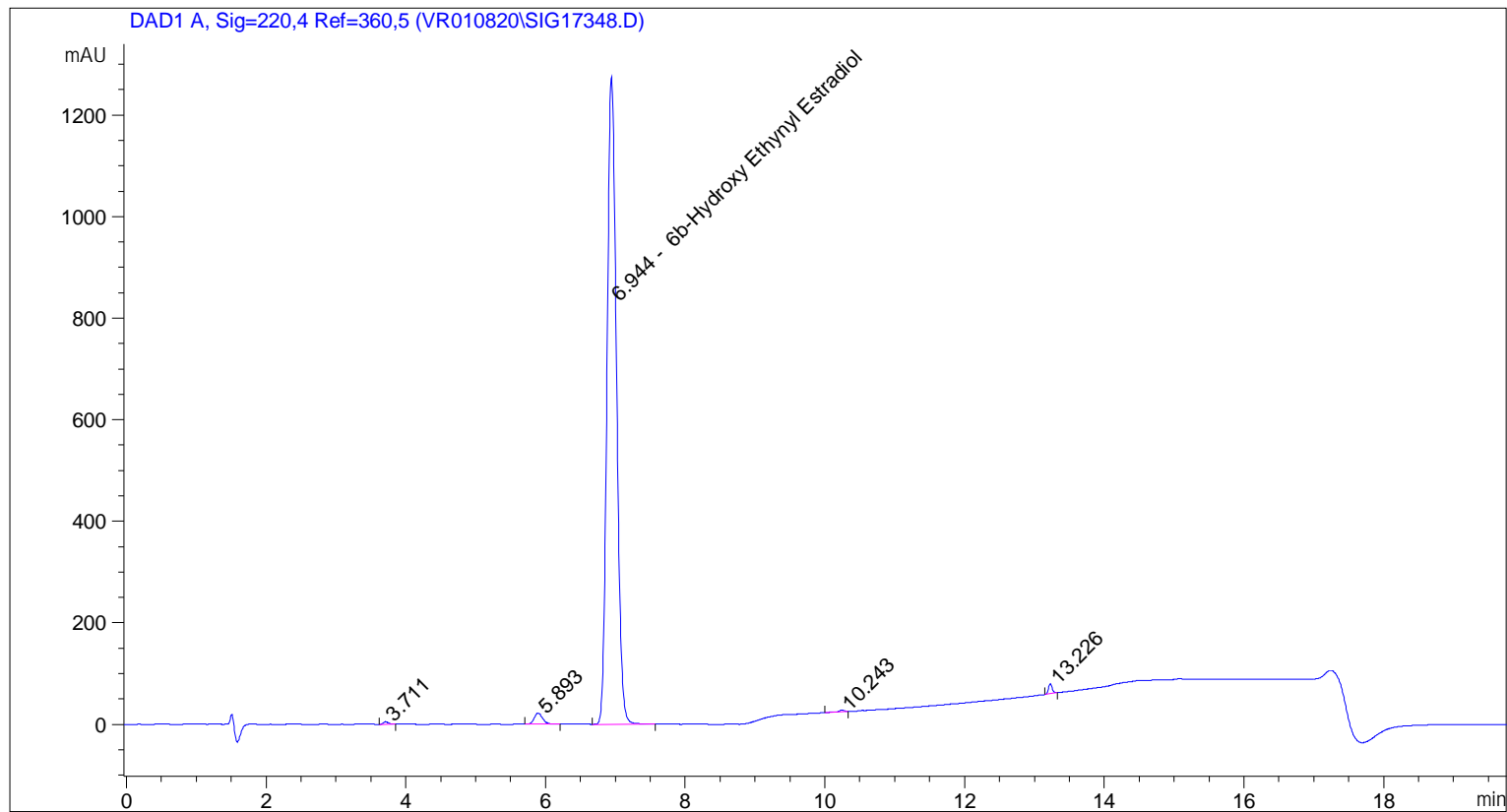
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.708	BB	0.0840	20.32452	0.2256	?
2	5.883	BB	0.1328	131.94637	1.4646	?
3	6.934	BB	0.1443	8794.34180	97.6162	6b-Hydroxy Ethynyl Estradiol
4	10.242	BB	0.0681	10.64334	0.1181	?
5	13.226	BB	0.0564	51.84848	0.5755	?

Totals : 9009.10450

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*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 43
Injection Date : 11/13/2020 1:16:38 PM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR111320_133.M
Last changed : 11/13/2020 1:15:32 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR111320_133PM.M
Last changed : 11/13/2020 1:45:59 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 11/13/2020 1:45:37 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.711	BB	0.0793	26.01544	0.2118	?
2	5.893	BB	0.1273	184.57318	1.5027	?
3	6.944	BB	0.1476	1.19820e4	97.5535	6b-Hydroxy Ethynyl Estradiol
4	10.243	BB	0.0757	16.49190	0.1343	?
5	13.226	BB	0.0569	73.41581	0.5977	?

Totals : 1.22825e4

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*** End of Report ***