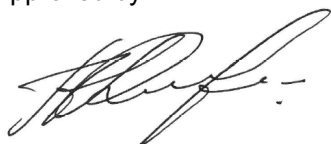


Name:	Betamethasone-17-propionate-D4 (major)
Lot#:	GR-6-071
Test Date:	03/20/2020 (re-test date: 03/20/2025)
CAS No.:	5534-13-4 (unlabeled)
MF:	C ₂₅ H ₂₉ D ₄ FO ₆
MW:	452.52
Appearance:	White Solid
Purity:	98.8% by HPLC; >98% atom D
¹H-NMR:	Conforms (shows a trace of ACN; contains ~29% of D5 form)
MS-ESI (+)	Conforms (shows major peaks at m/z = 452.25 [M+H] ⁺ , 453.24 [M+H] ⁺ & 454.26 [M+H] ⁺ for D3, D4 and D5 forms accordingly)
Storage	Long term store at -18°C in a dry place away from direct sunlight

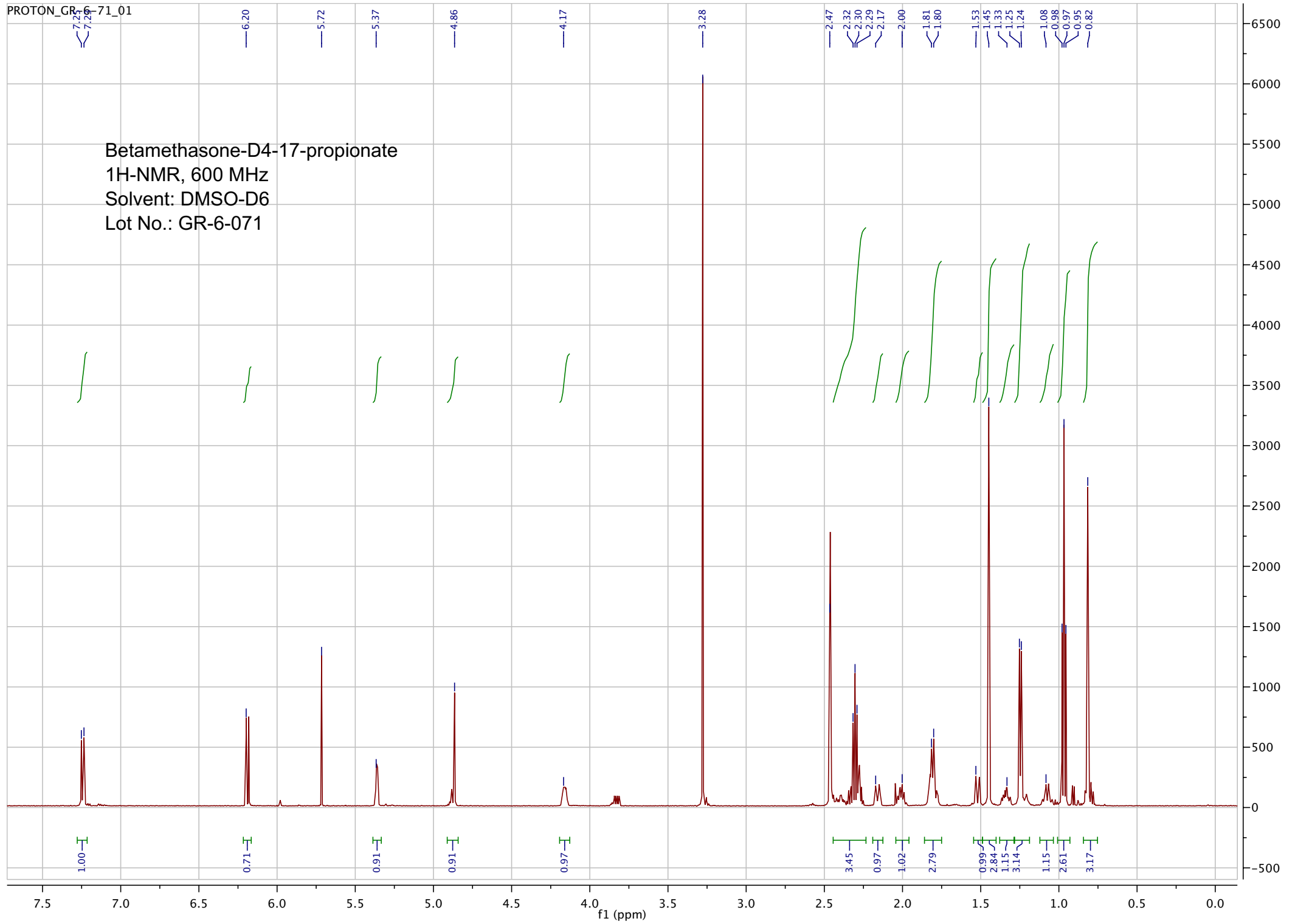
Approved by:

Date: 03/20/2020

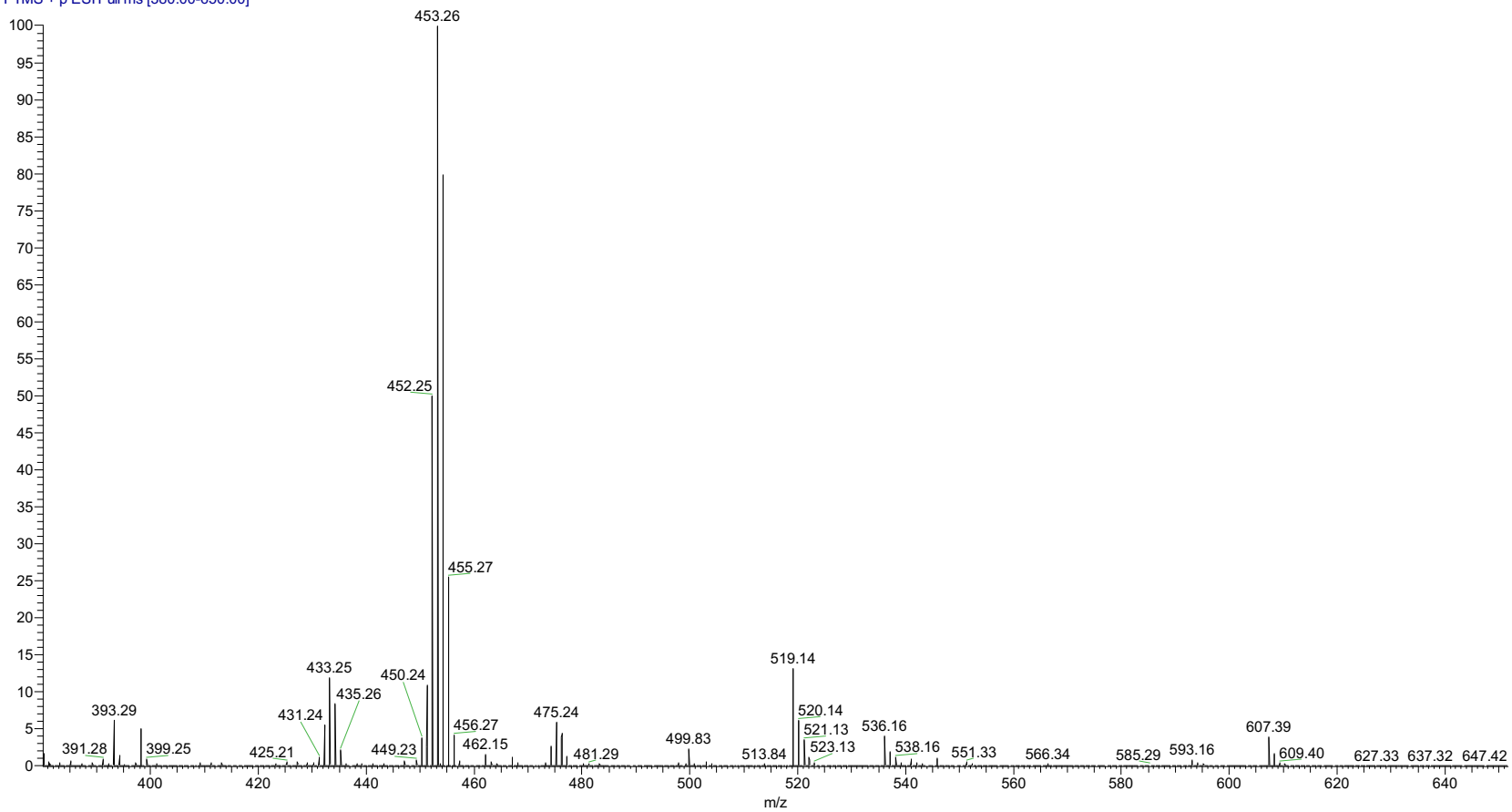


Viorica Rusu, QC/QA Manager

Betamethasone-D4-17-propionate
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-6-071

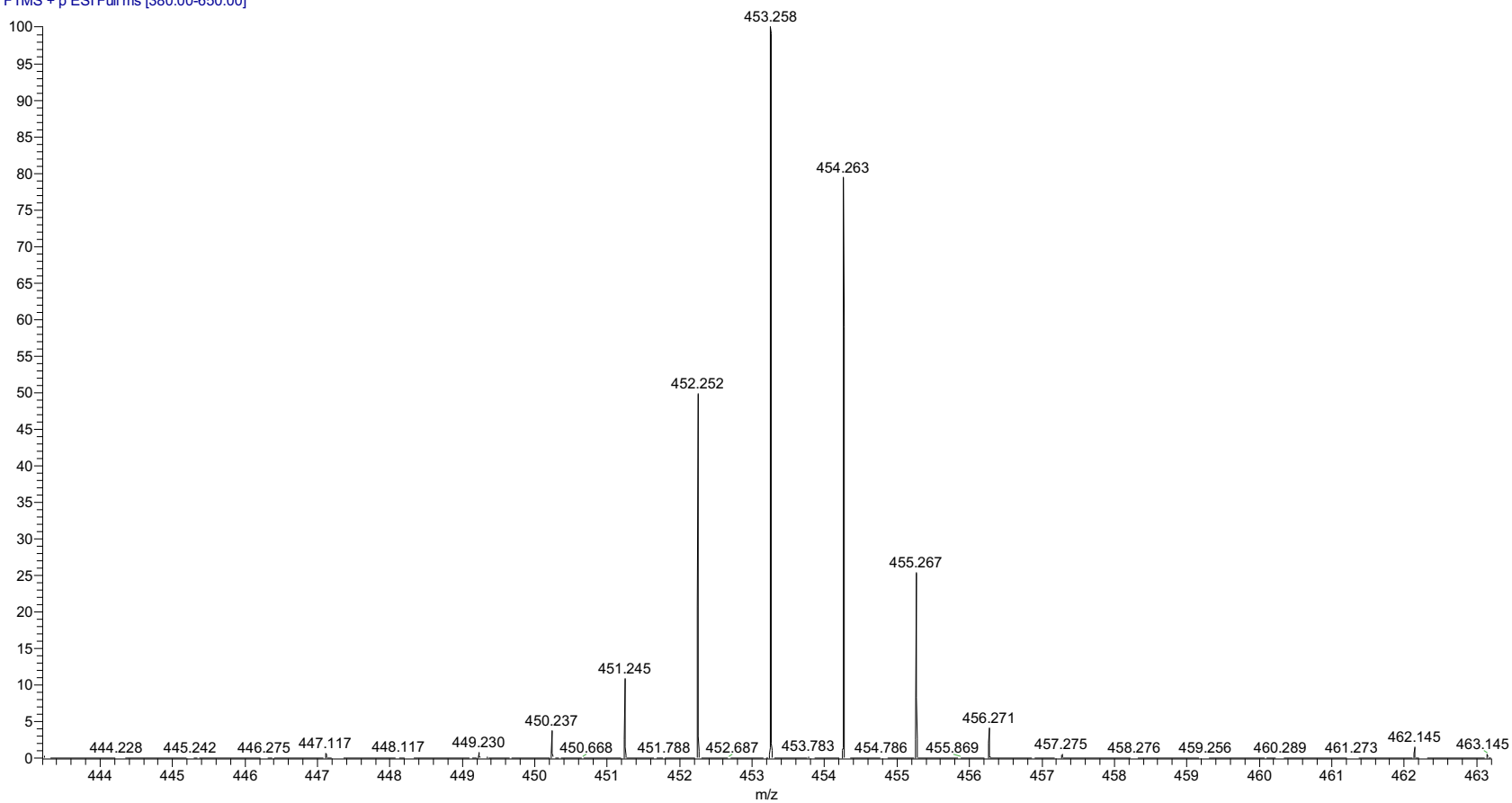


pp_2022_075_GR_06_071_1#844-861 RT: 4.02-4.09 AV: 18 NL: 6.3
T: FTMS + p ESI Full ms [380.00-650.00]



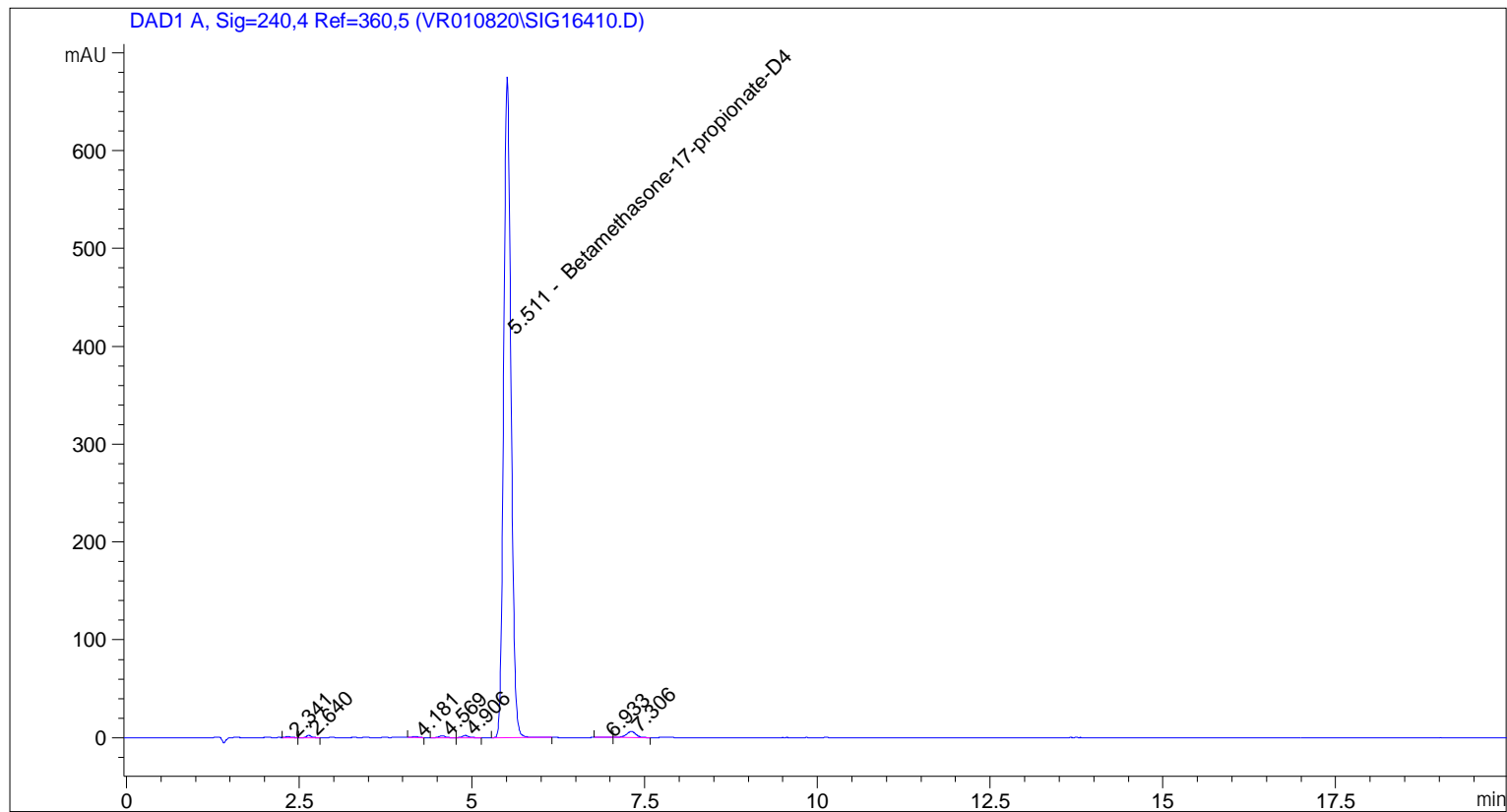
ESI-MS spectrum for sample GR-6-071. Shows monoisotopic $[M+H]^+$ mass.

pp_2022_075_GR_06_071_1#845-862 RT: 4.02-4.09 AV: 18 NL: 6.
T: FTMS + p ESI Full ms [380.00-650.00]



Expansion of above.

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 6
Injection Date : 3/20/2020 11:01:27 AM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR032020_071.M
Last changed : 3/20/2020 11:00:22 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR032020_071PM.M
Last changed : 3/20/2020 11:20:27 AM by vrusu



=====
Area Percent Report
=====

Sorted By : Signal
Calib. Data Modified : 3/20/2020 11:20:18 AM
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	2.341	BB	0.0785	5.34267	0.1049	?
2	2.640	BB	0.0709	10.78865	0.2119	?
3	4.181	BB	0.0909	5.92422	0.1164	?
4	4.569	BV	0.0990	12.29517	0.2415	?
5	4.906	VB	0.1010	14.14364	0.2778	?
6	5.511	BB	0.1140	4980.03125	97.8214	Betamethasone-17-propionate-D4
7	6.933	BB	0.1034	3.67340	0.0722	?
8	7.306	BB	0.1436	58.74243	1.1539	?

Sample Name: GR-6-071

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				5090.94144		

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*** End of Report ***