

**Name:** 21-Methoxy Desonide  
**Lot#:** GR-17-101  
**Test Date:** 03/30/2022 (re-test date: 03/30/2027)  
**CAS No.:** NA  
**MF:** C<sub>25</sub>H<sub>34</sub>O<sub>7</sub>  
**MW:** 446.53  
**Appearance:** White Solid  
**Purity:** 100.0% by HPLC (average of two sample preparations)  
**<sup>1</sup>H-NMR:** Conforms (shows a 10:1 mixture of diastereomers; contains a trace of MeOH)  
**MS-ESI (+)** Conforms (shows peaks at m/z = 429.2 [M-H<sub>2</sub>O+H]<sup>+</sup>, 447.2 [M +H]<sup>+</sup>, 469.2 [M+Na]<sup>+</sup>)  
**Storage** Store at 0-8°C in a dry place away from direct sunlight

Approved by:

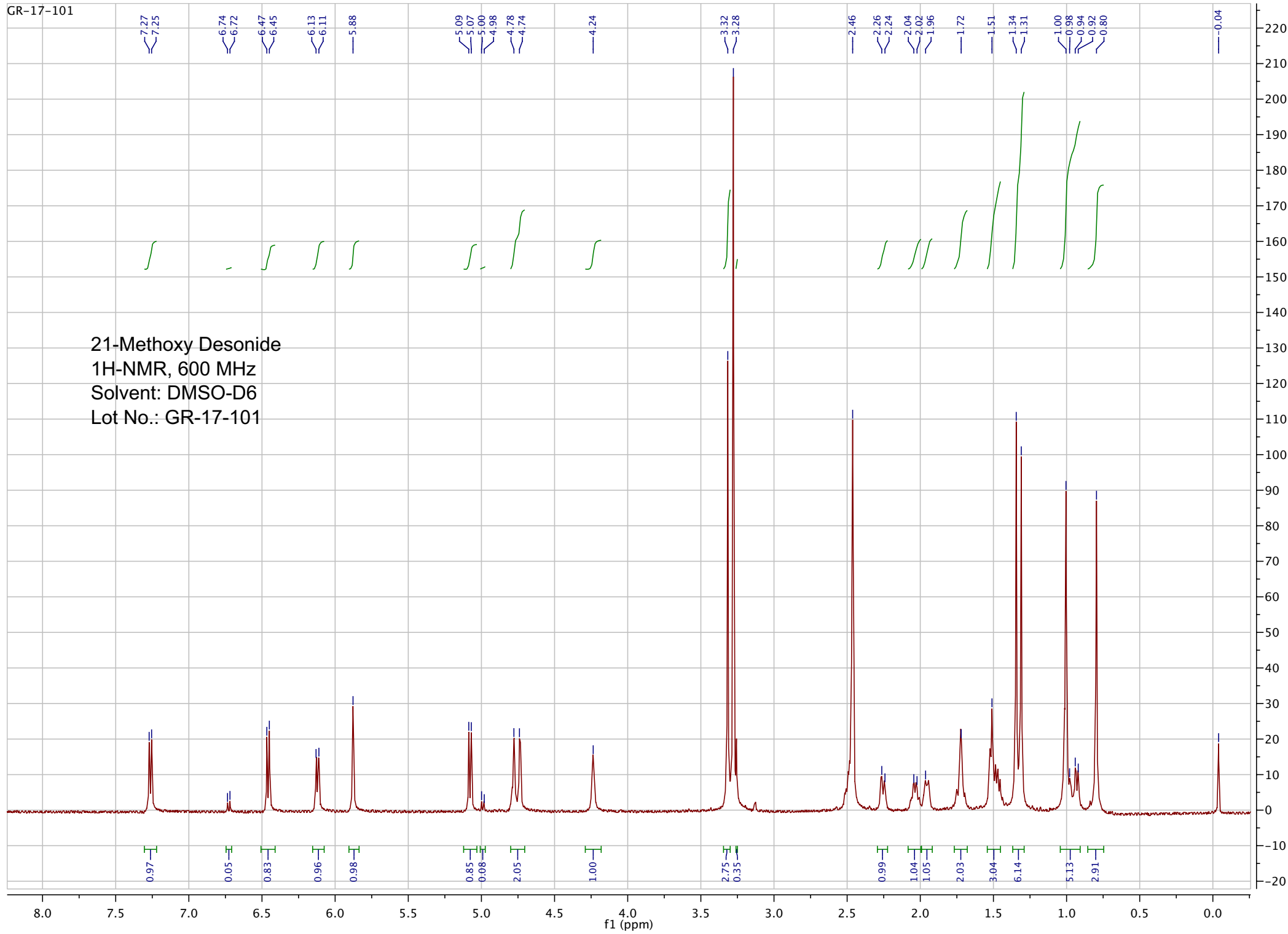
Date: 04/05/2022



Viorica Rusu, QC/QA Manager

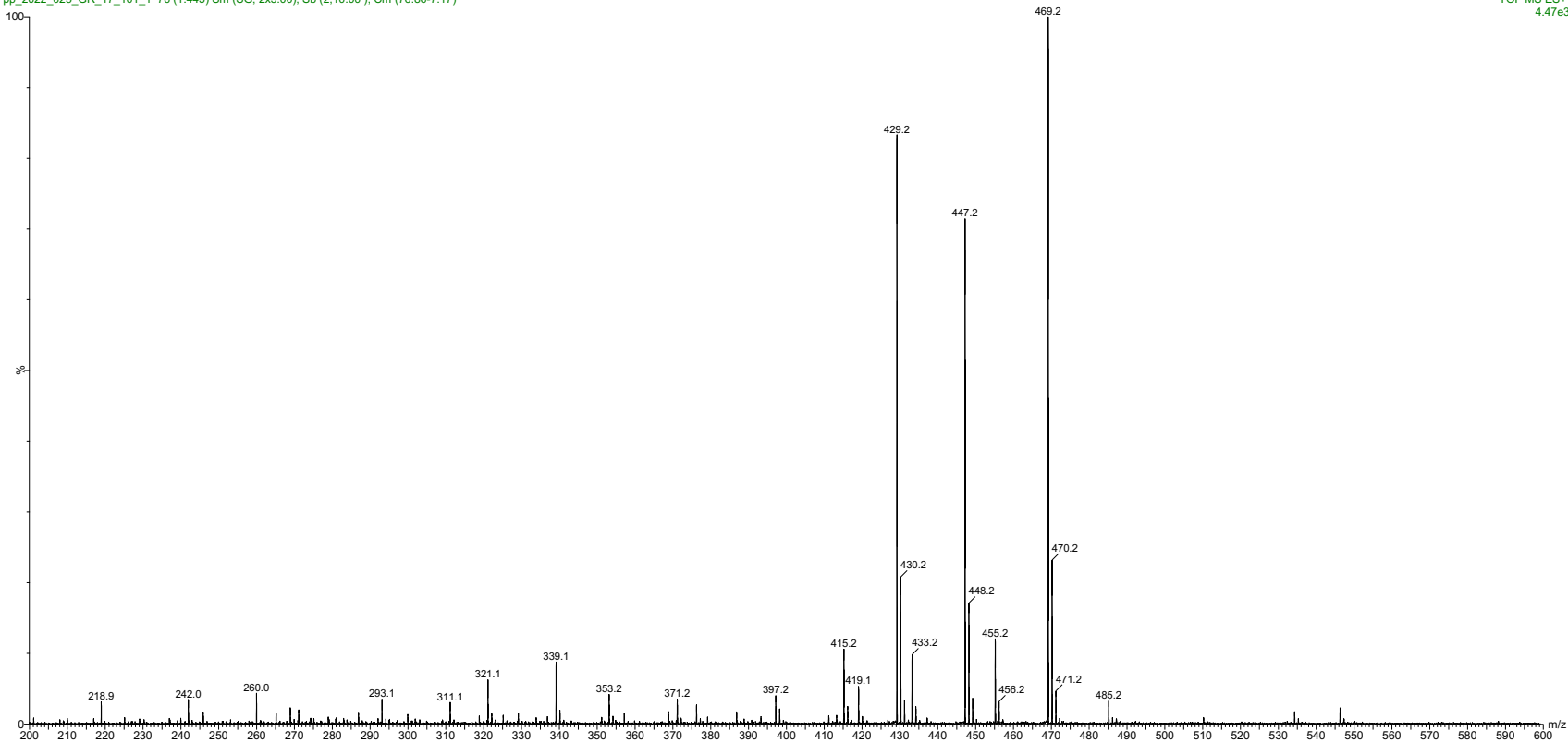
GR-17-101

21-Methoxy Desonide  
1H-NMR, 600 MHz  
Solvent: DMSO-D6  
Lot No.: GR-17-101



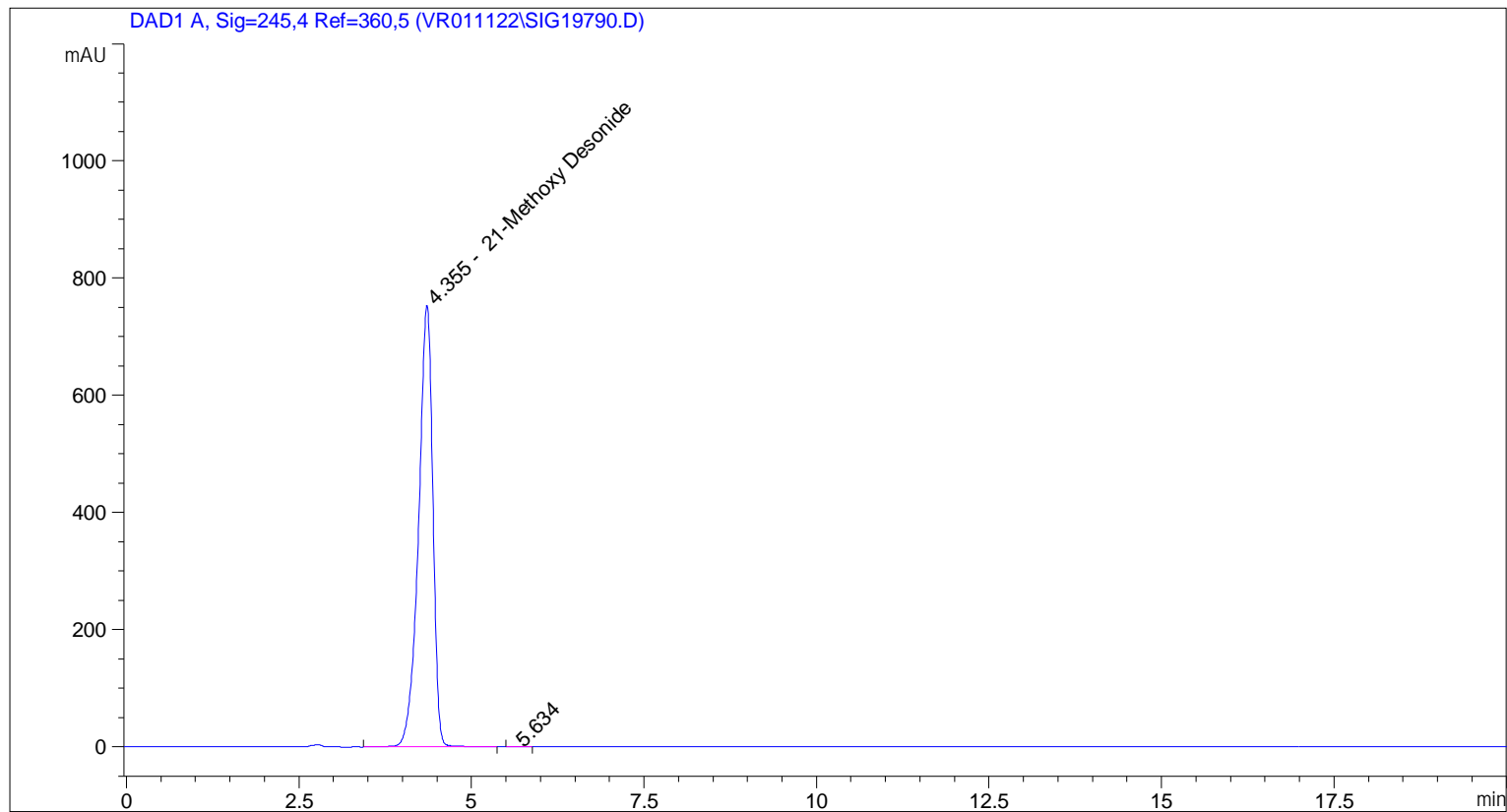
04-Apr-2022, 12:46:35  
TOF MS ES+  
4.47e3

pp\_2022\_025\_GR\_17\_101\_1 76 (1.445) Sm (SG, 2x5.00); Sb (2,10.00); Cm (76:86-7:17)



ESI-MS spectrum for sample GR-17-101. Shows monoisotopic  $[M+H]^+$  mass.

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Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 48  
Injection Date : 3/30/2022 8:51:32 AM Inj Volume : 10.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR033022\_101.M  
Last changed : 3/30/2022 8:50:26 AM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR033022\_101PM.M  
Last changed : 3/30/2022 10:07:12 AM by vrusu



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Area Percent Report  
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Sorted By : Signal  
Calib. Data Modified : 3/30/2022 10:06:16 AM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

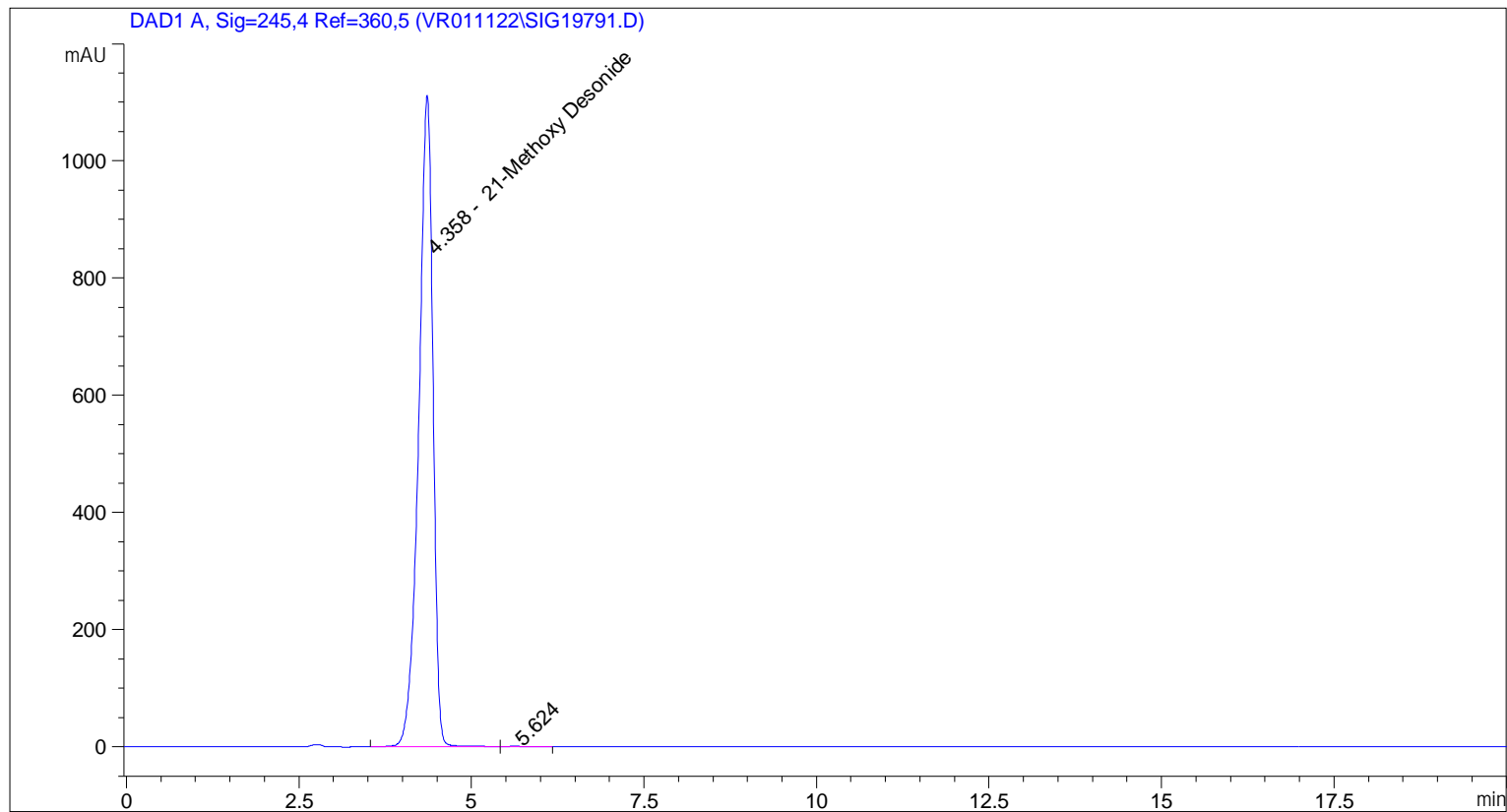
Signal 1: DAD1 A, Sig=245,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.355	BB	0.2195	1.08260e4	99.9656	21-Methoxy Desonide
2	5.634	BB	0.1473	3.72620	0.0344	?

Totals : 1.08298e4

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\*\*\* End of Report \*\*\*

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Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 49  
Injection Date : 3/30/2022 9:13:24 AM Inj Volume : 10.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR033022\_101.M  
Last changed : 3/30/2022 9:12:20 AM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR033022\_101PM.M  
Last changed : 3/30/2022 10:07:12 AM by vrusu



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

Sorted By : Signal  
Calib. Data Modified : 3/30/2022 10:06:16 AM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=245,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.358	BV	0.2172	1.59197e4	99.9064	21-Methoxy Desonide
2	5.624	VB	0.2281	14.91912	0.0936	?

Totals : 1.59346e4

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\*\*\* End of Report \*\*\*