

Name:	Tryptanthrin-D4 (major)
Lot#:	GR-16-159
Test Date:	10/04/2021 (re-test date: 10/04/2026)
CAS No.:	13220-57-0 (unlabelled)
MF:	C ₁₅ H ₄ D ₄ N ₂ O ₂
MW:	252.26
Appearance:	Yellow solid
Purity:	99.0% by HPLC; >98% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 253.06 [M+H] ⁺ and 275.05 [M+Na] ⁺)
Storage	Store at 0-5°C in a dry place away from direct sunlight

Approved by:

Date: 10/06/2021



Viorica Rusu, QC/QA Manager

GR-16-159

8.28
8.26
7.90
7.89
7.70
7.69

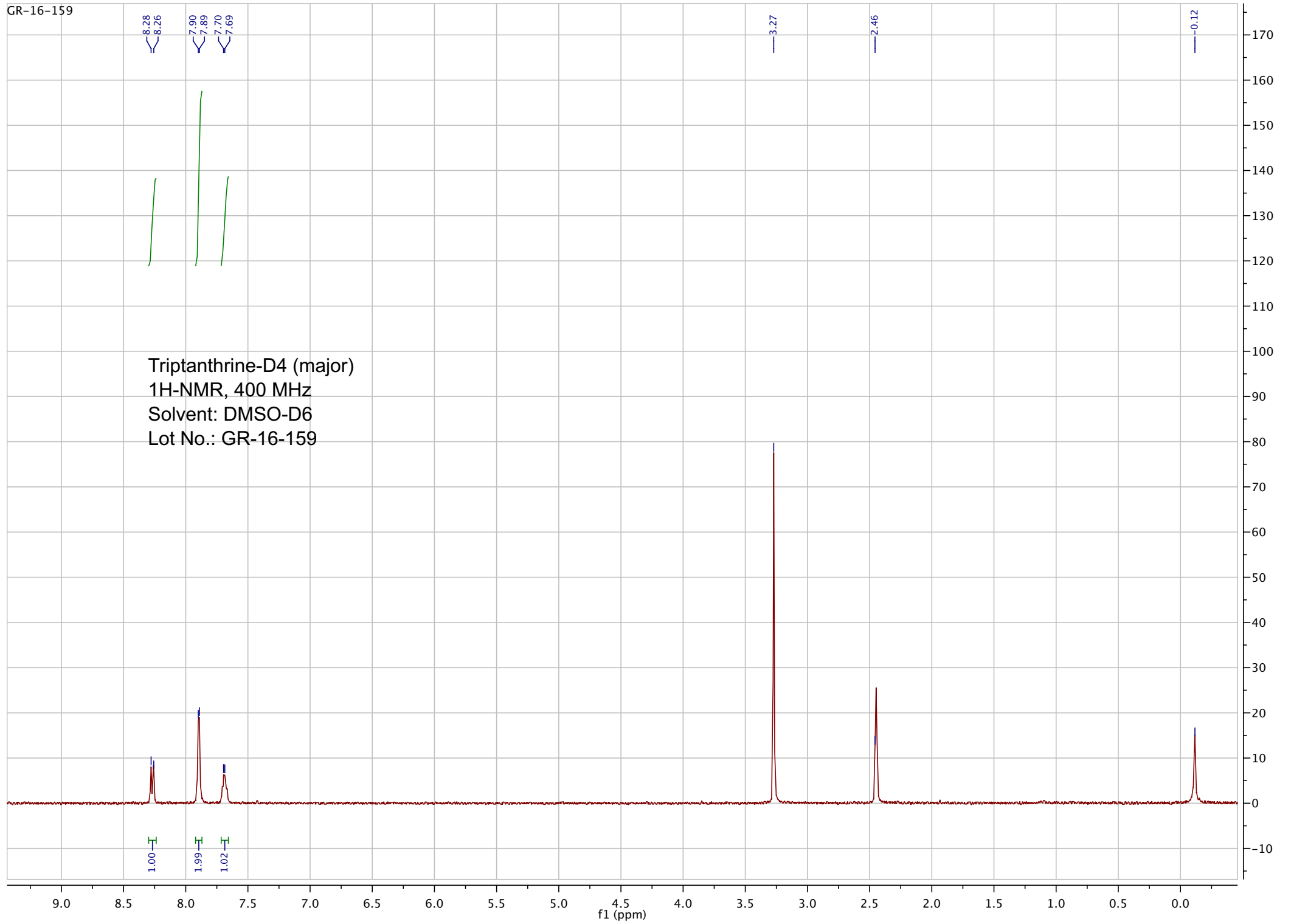
3.27

2.46

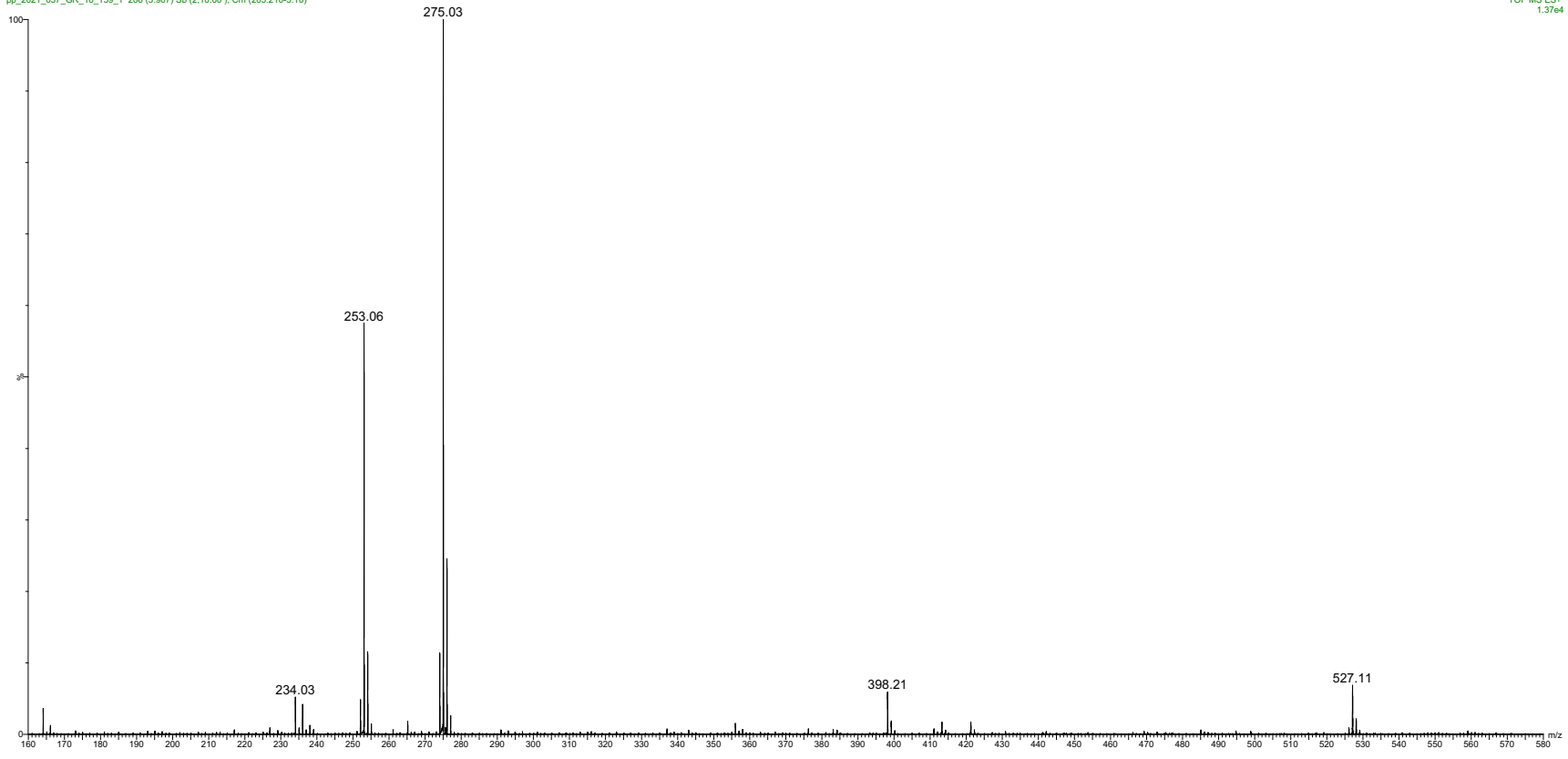
-0.12

Triptanthrine-D4 (major)
1H-NMR, 400 MHz
Solvent: DMSO-D6
Lot No.: GR-16-159

1.00
1.99
1.02

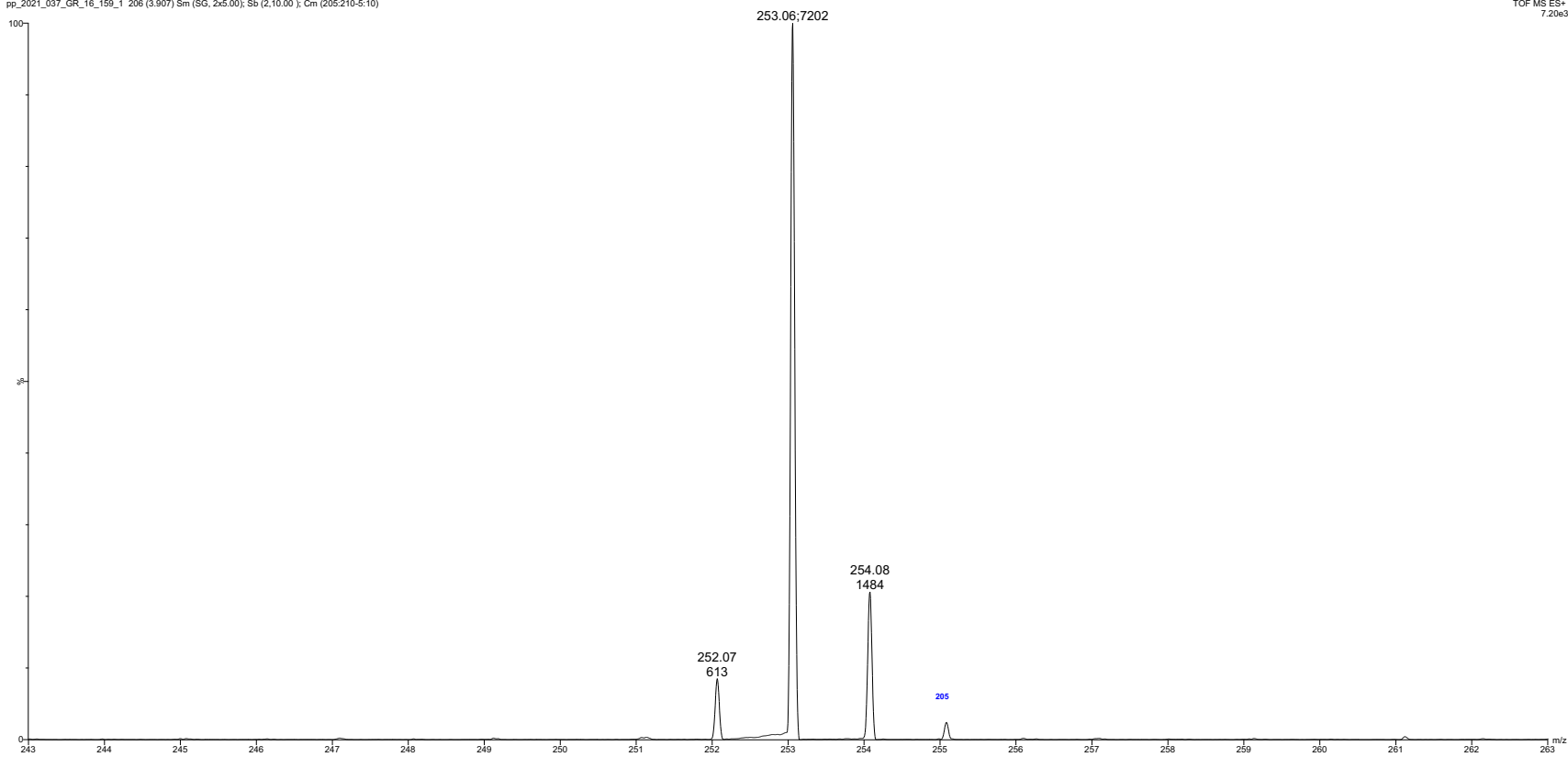


pp_2021_037_GR_16_159_1 206 (3.907) Sb (2.10.00); Cm (205:210-5:10)



ESI-MS spectrum for sample GR-16-159. Shows monoisotopic [M+H]⁺ mass.

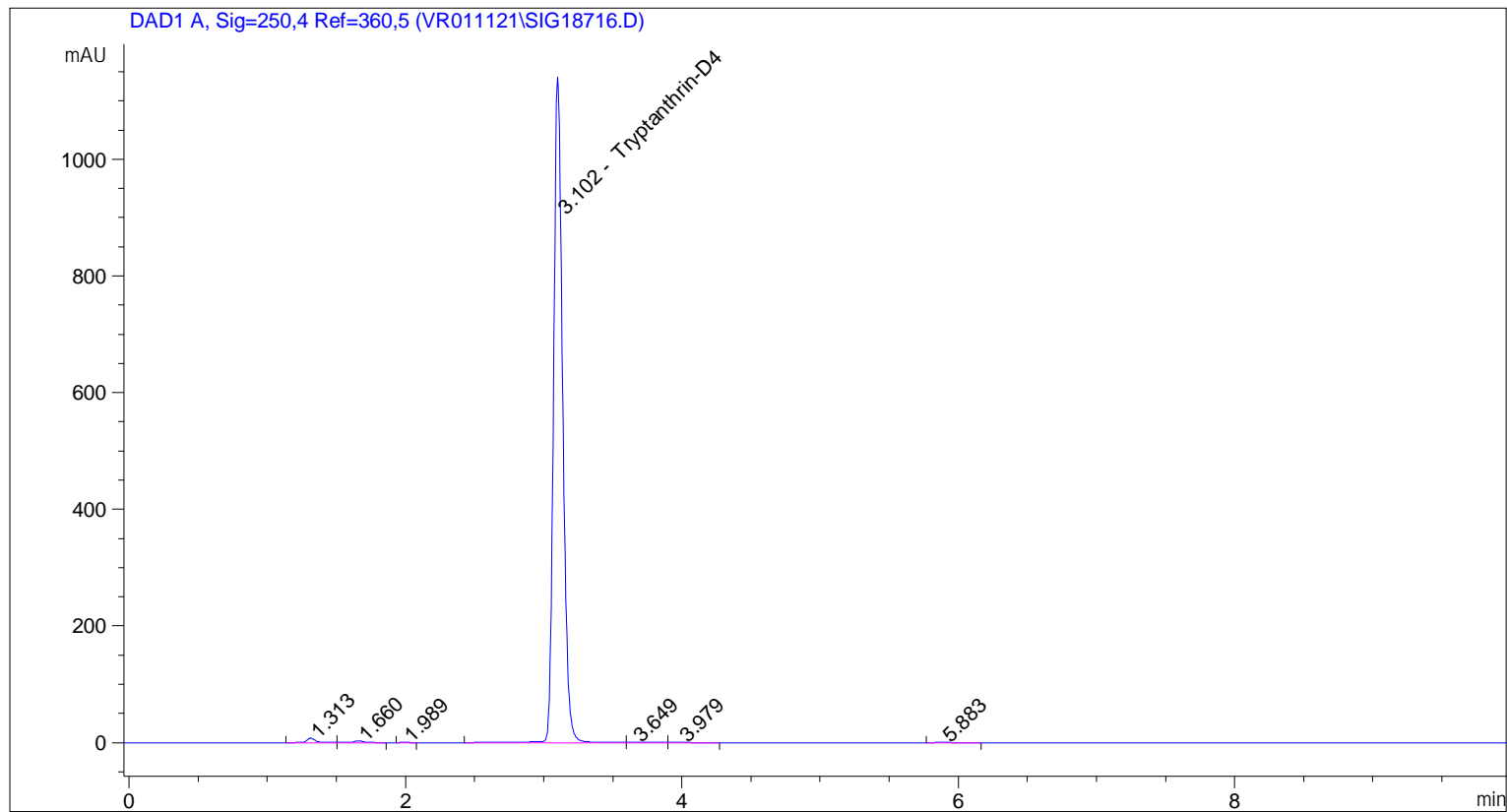
pp_2021_037_GR_16_159_1 206 (3.907) Sm (SG, 2x5.00); Sb (2.10.00); Cm (205:210-5:10)



Expansion of above showing intensity labels.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 87
Injection Date  : 10/4/2021 8:32:20 AM
                                           Inj Volume : 2.5 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR100421_159.M
Last changed    : 10/4/2021 8:31:22 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR100421_159PM.M
Last changed    : 10/4/2021 9:02:27 AM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By      :      Signal
Calib. Data Modified :      10/4/2021 8:59:52 AM
Multiplier:    :      1.0000
Dilution:      :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=250,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.313	BV	0.0630	32.57339	0.6161	?
2	1.660	VB	0.0672	14.42507	0.2728	?
3	1.989	BB	0.0542	3.85380e-1	7.289e-3	?
4	3.102	BV	0.0715	5234.08154	99.0007	Tryptanthrin-D4
5	3.649	VV	0.1436	2.63060	0.0498	?
6	3.979	VB	0.1243	1.49872	0.0283	?
7	5.883	BB	0.1090	1.31650	0.0249	?

Sample Name: GR-16-159

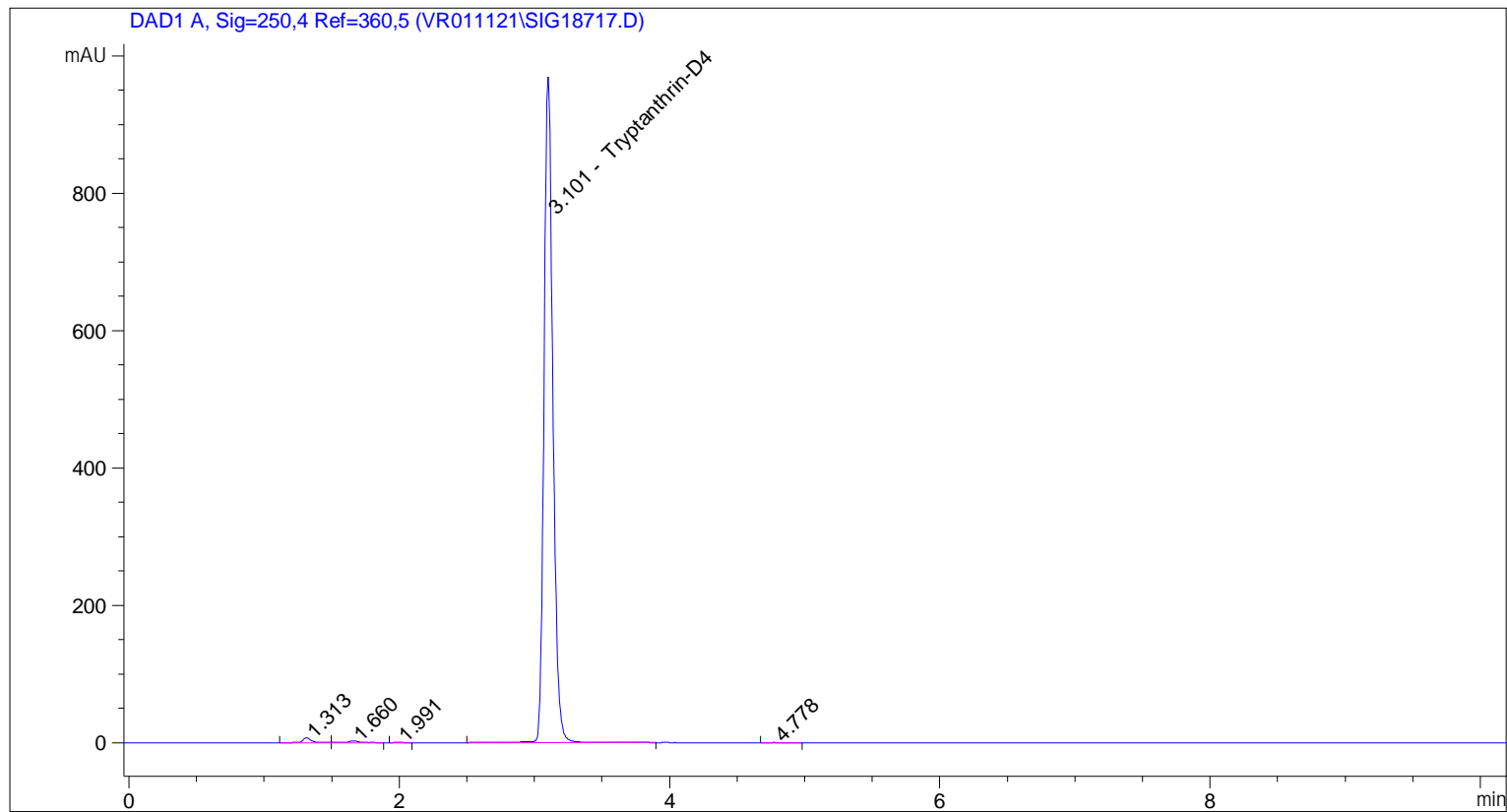
Totals : 5286.91122

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*** End of Report ***

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 88
Injection Date  : 10/4/2021 8:43:54 AM
                                           Inj Volume : 2.5 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR100421_159.M
Last changed    : 10/4/2021 8:43:05 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR100421_159PM.M
Last changed    : 10/4/2021 9:02:27 AM by vrusu
  
```



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 Area Percent Report
 =====

```

Sorted By           :      Signal
Calib. Data Modified :      10/4/2021 8:59:52 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=250,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.313	BV	0.0627	30.04540	0.6706	?
2	1.660	VB	0.0686	12.93990	0.2888	?
3	1.991	BB	0.0575	4.75693e-1	0.0106	?
4	3.101	BB	0.0714	4436.37451	99.0201	Tryptanthrin-D4
5	4.778	BB	0.0853	4.42028e-1	9.866e-3	?

Totals : 4480.27753

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*** End of Report ***