

Name: 24-Methylenecholesterol

Lot#: GR-6-031

Test Date: 05/20/2025 (re-test date: 05/20/2030)

CAS No.: 474-63-5

MF: C₂₈H₄₆O

MW: 398.68

Appearance: White Solid

Purity: 98.2% by HPLC (average of two sample preparations)

¹H-NMR: Conforms

MS-ESI (+) Conforms (shows peaks at m/z = 399.22 [M+H]⁺)

Storage Store at 3-8°C in a dry place away from direct sunlight

Approved by:

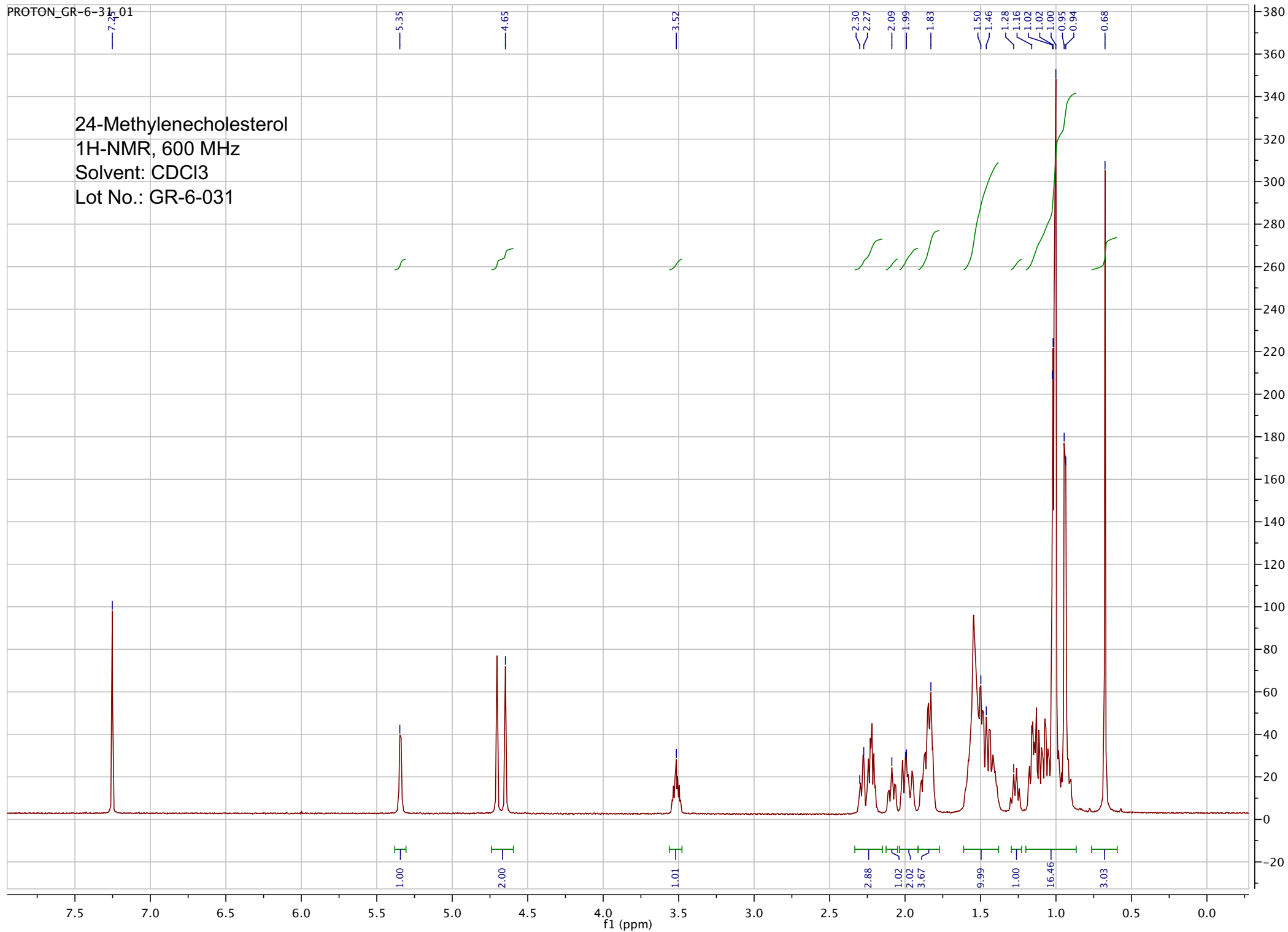
Date: 05/20/2025



Viorica Rusu, QC/QA Manager

PROTON_GR-6-31_01

24-Methylenecholesterol
1H-NMR, 600 MHz
Solvent: CDCl3
Lot No.: GR-6-031

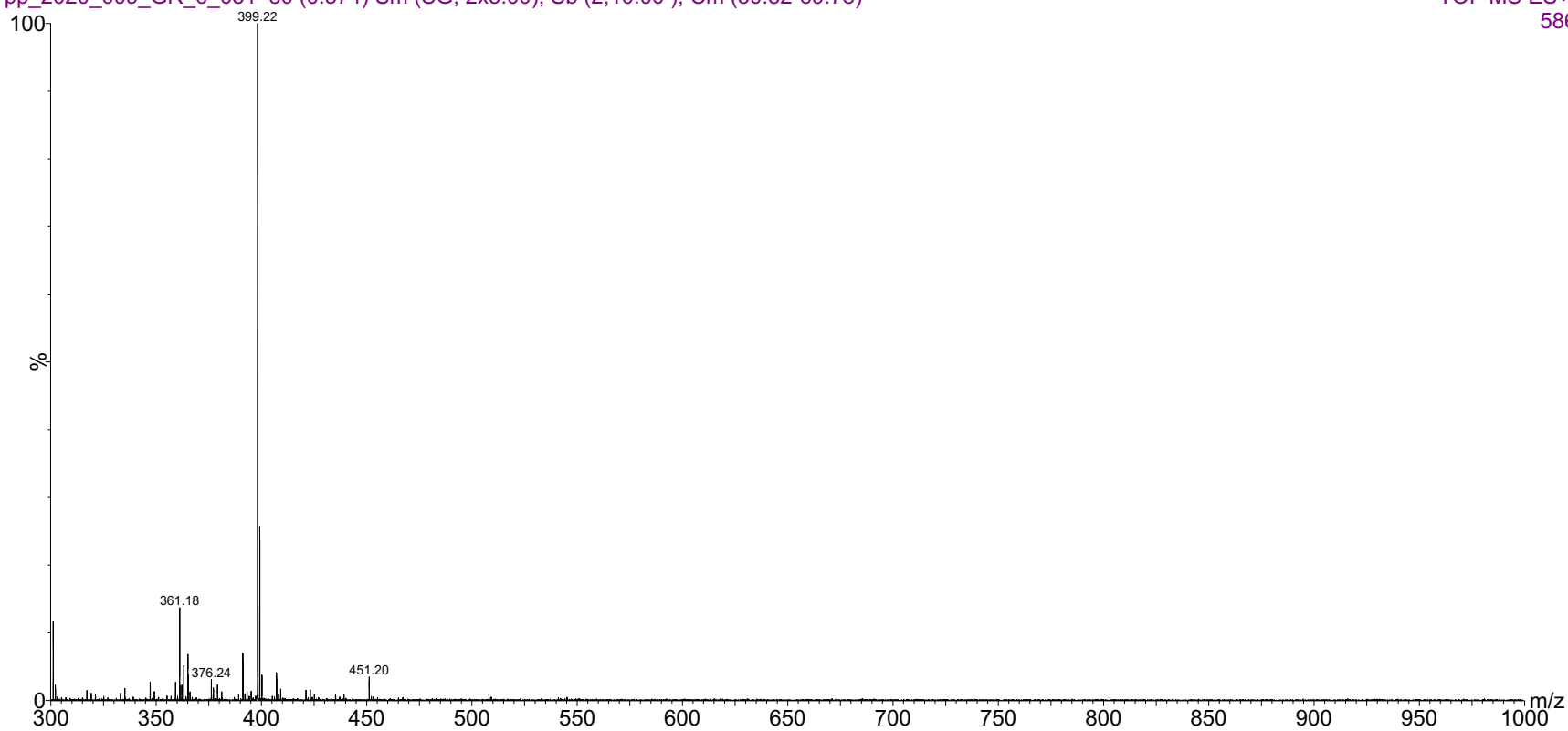


20-Feb-2020, 18:15:52

TOF MS ES+

586

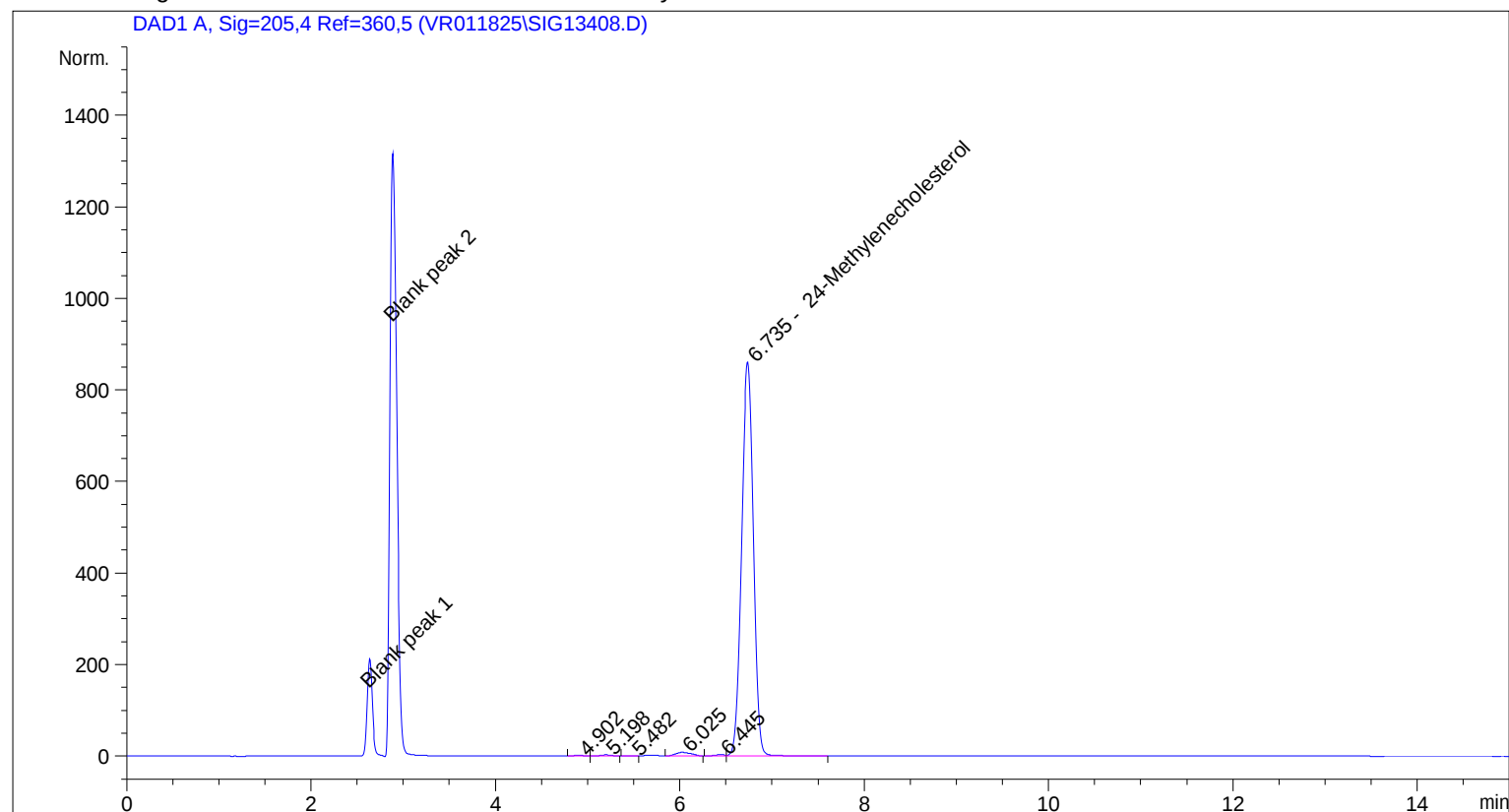
pp_2020_009_GR_6_031_30 (0.574) Sm (SG, 2x5.00); Sb (2,10.00); Cm (30:32-69:78)



ESI-MS spectrum for sample GR-6-031. Shows monoisotopic $[M+H]^+$ mass.

Sample Name: GR-6-031 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 23
Injection Date  : 5/20/2025 10:59:44 AM
                                           Inj Volume : 10.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR052025_031.M
Last changed    : 5/20/2025 10:58:36 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR052025_031PM.M
Last changed    : 5/20/2025 11:22:01 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/20/2025 11:19:36 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=205,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.902	BB	0.1188	8.47130	0.1080	?
2	5.198	BB	0.1143	16.09812	0.2053	?
3	5.482	BB	0.0765	2.51503	0.0321	?
4	6.025	BB	0.1639	82.42283	1.0513	?
5	6.445	BV	0.1119	18.29836	0.2334	?
6	6.735	VB	0.1405	7712.40918	98.3699	24-Methylenecholesterol

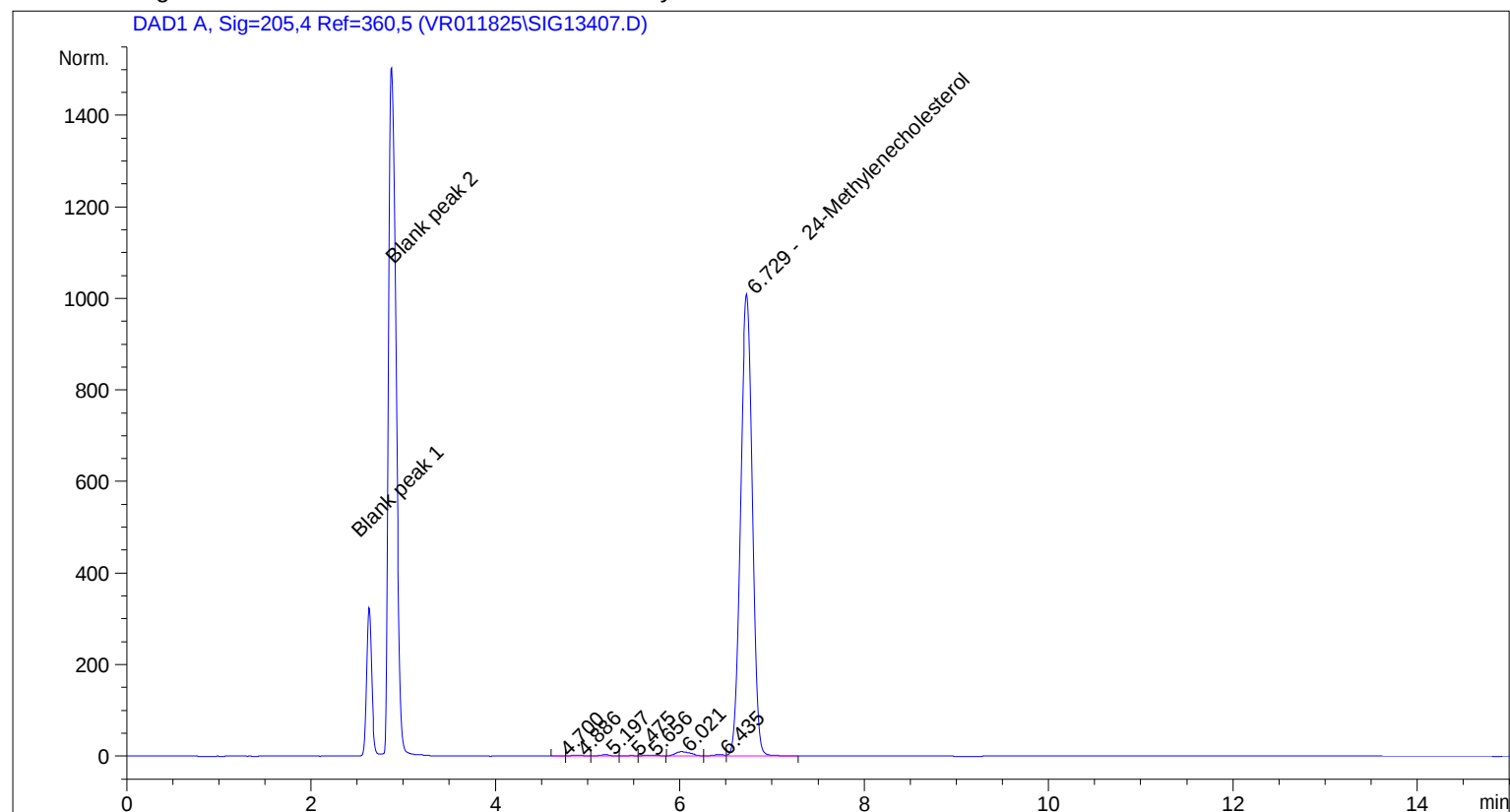
Totals : 7840.21481

Sample Name: GR-6-031 spl-2

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*** End of Report ***

Sample Name: GR-6-031

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 22
Injection Date  : 5/20/2025 10:39:43 AM
                                           Inj Volume : 10.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR052025_031.M
Last changed    : 5/20/2025 10:38:38 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR052025_031PM.M
Last changed    : 5/20/2025 11:22:01 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/20/2025 11:19:36 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=205,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.700	BV	0.0774	2.74395	0.0299	?
2	4.886	VV	0.1398	16.47672	0.1794	?
3	5.197	VB	0.1125	19.66525	0.2142	?
4	5.475	BV	0.0964	5.62009	0.0612	?
5	5.656	VB	0.1557	14.51401	0.1581	?
6	6.021	BB	0.1676	102.16904	1.1127	?
7	6.435	BV	0.1173	20.09917	0.2189	?
8	6.729	VB	0.1421	9000.75293	98.0256	24-Methylenecholesterol

Sample Name: GR-6-031

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
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Totals :				9182.04117		

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*** End of Report ***