

Name: Indigo-D8 (major)

Lot#: GR-16-207

Test Date: 10/25/2021 (re-test date: 10/25/2026)

CAS No.: 482-89-3 (unlabelled)

MF: C₁₆H₂D₈N₂O₂

MW: 270.32

Appearance: Dark Indigo Solid

Purity: 98.7% by HPLC (average of two sample preparation); ~98% atom D

¹H-NMR: Conforms

MS-ESI (+) Conforms (shows peaks at m/z = 271.13 [M+H]⁺)

Storage Store at 0-5°C in a dry place away from direct sunlight

Approved by:

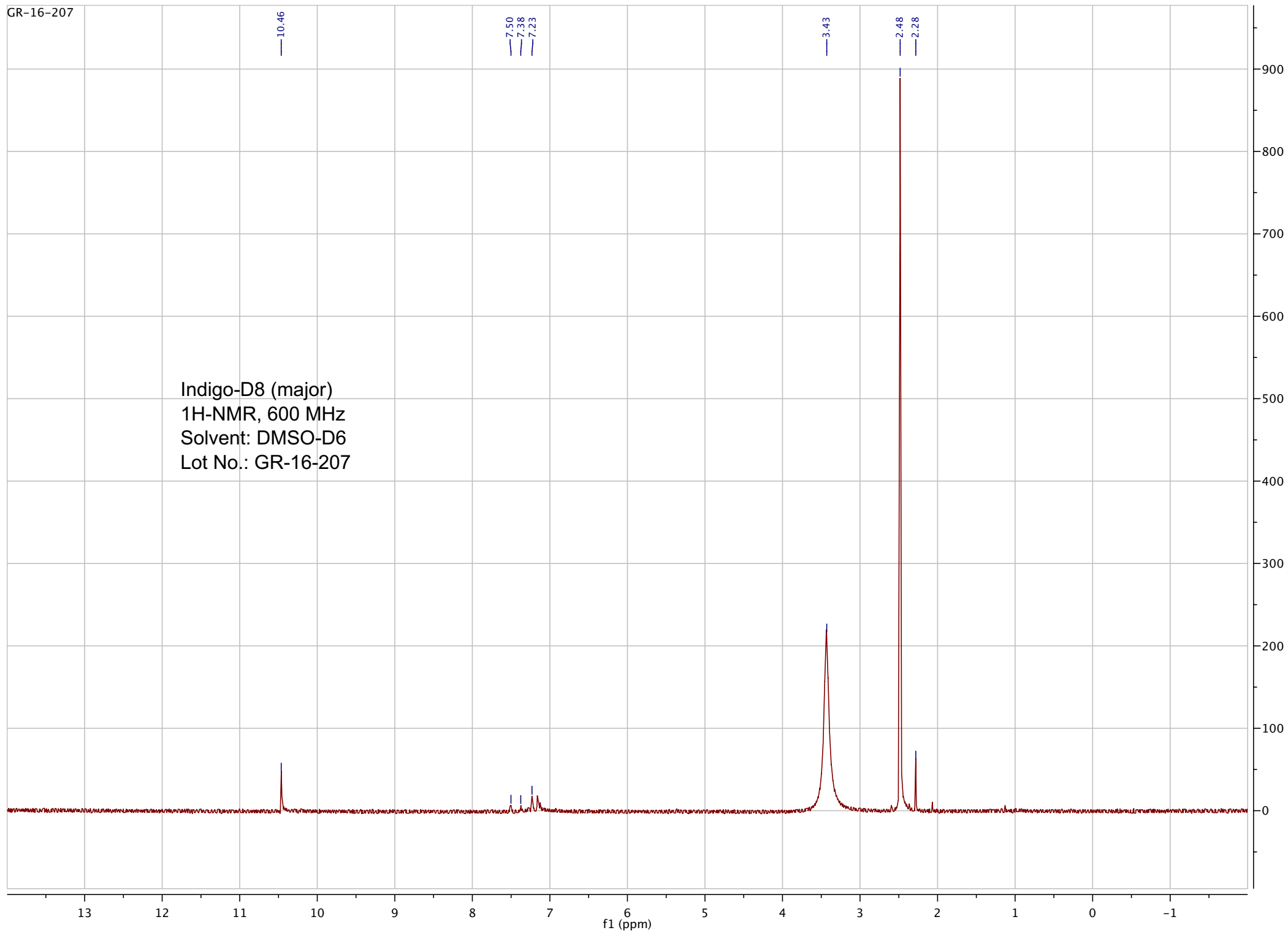
Date: 10/27/2021



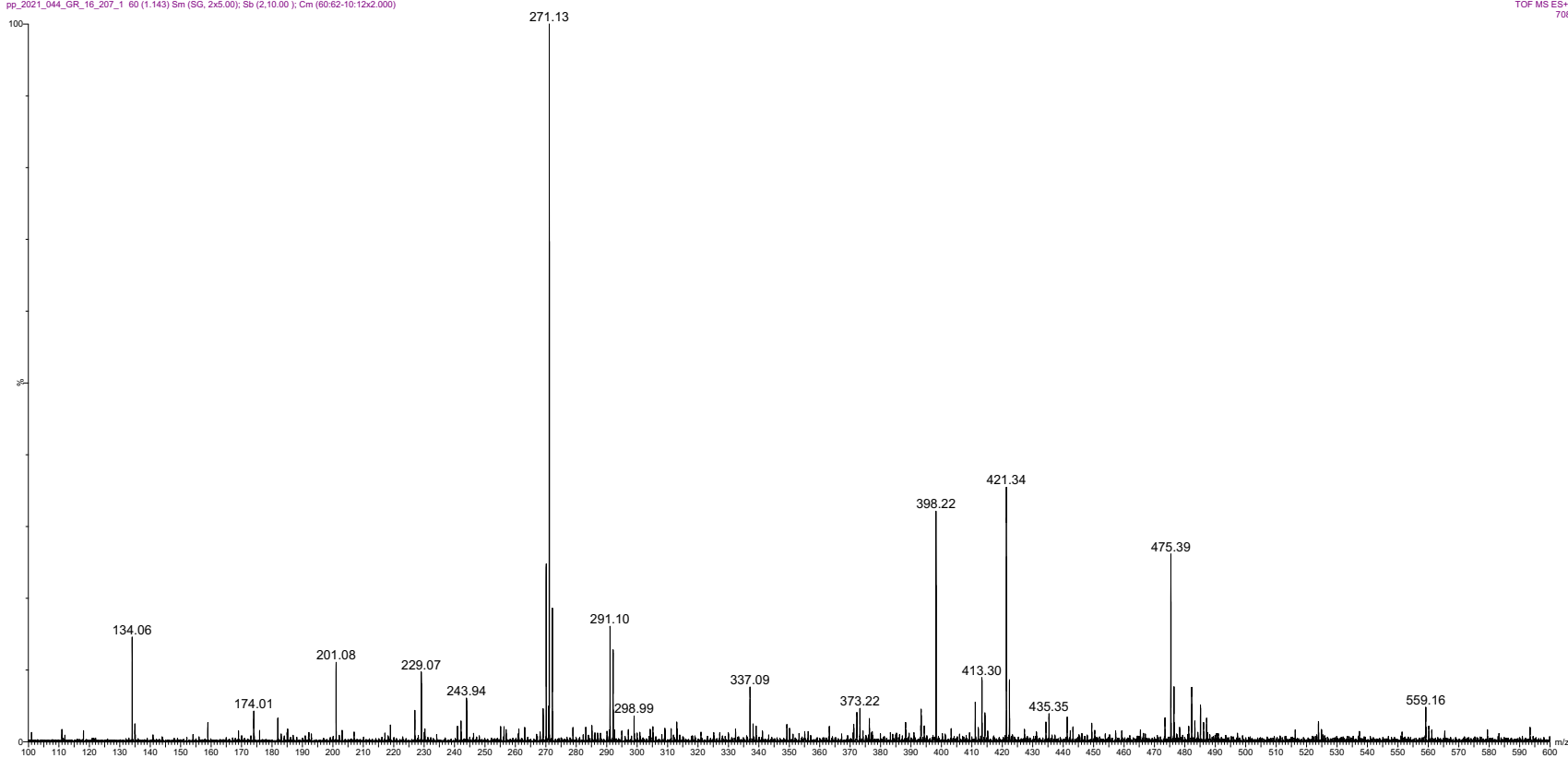
Viorica Rusu, QC/QA Manager

GR-16-207

Indigo-D8 (major)
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-16-207



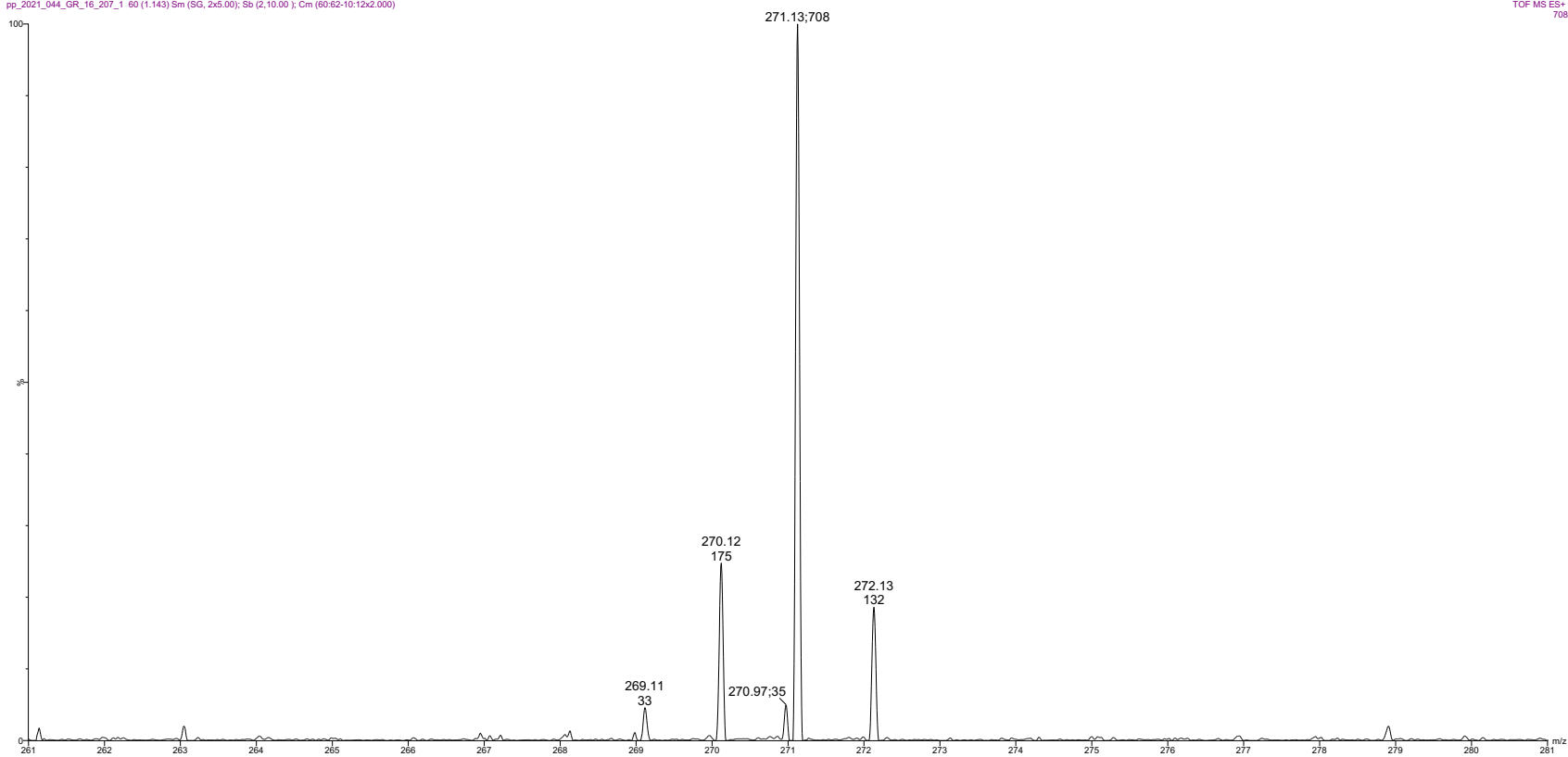
pp_2021_044_GR_16_207_1 60 (1.143) Sm (SG, 2x5.00); Sb (2,10.00); Cm (60:62-10:12x2.000)



ESI-MS spectrum for sample GR-16-207. Shows monoisotopic $[M+H]^+$ mass.

pp_2021_044_GR_16_207_1 60 (1.143) Sm (SG, 2x5.00); Sb (2,10.00); Cm (60:62-10:12x2.000)

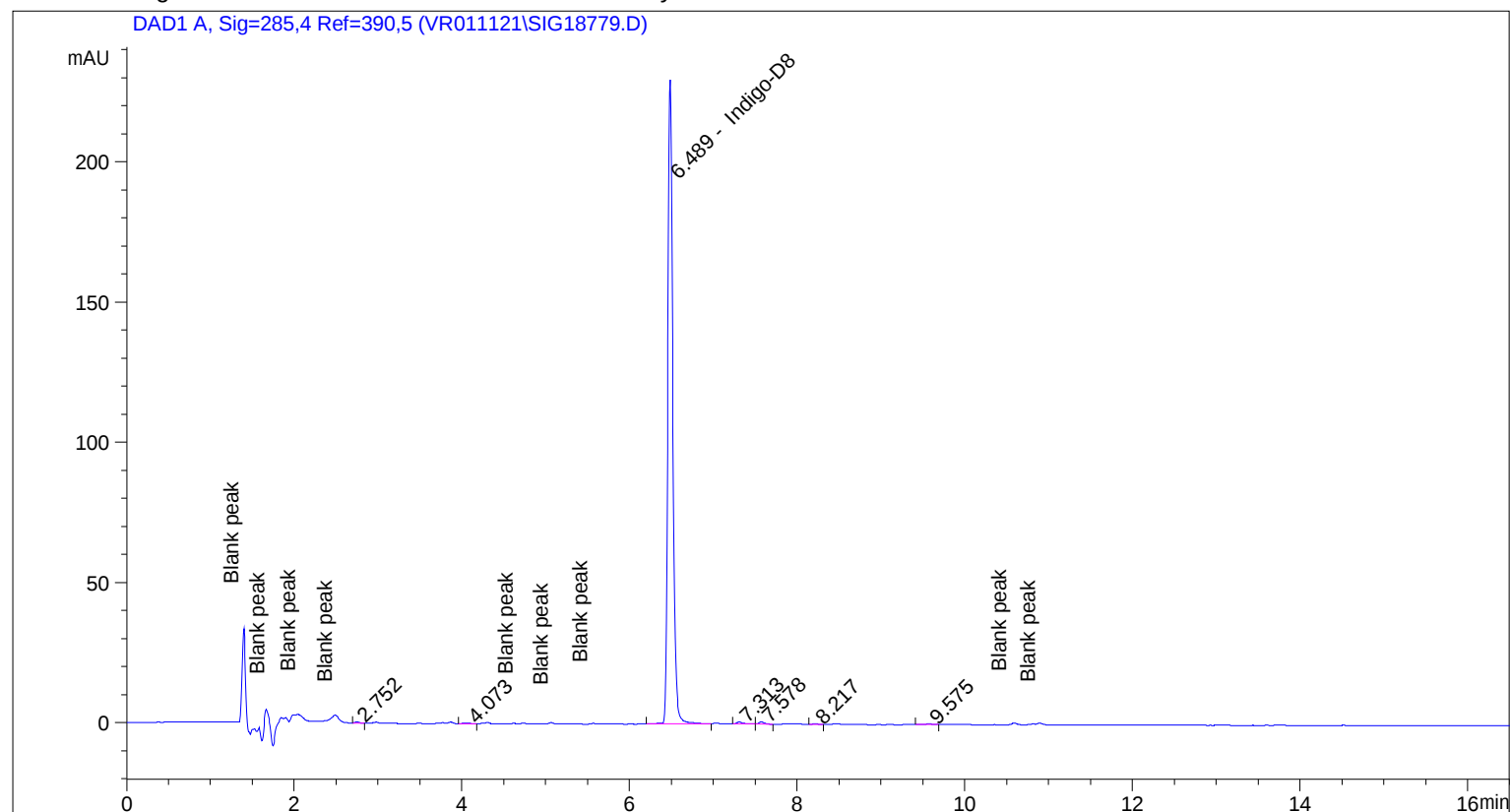
27-Oct-2021, 14:45:51
TOF MS ES+
708



Expansion of above showing intensity labels.

Sample Name: GR-16-207

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 34
Injection Date  : 10/25/2021 12:51:33 PM
                                           Inj Volume : 15.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR102521_207.M
Last changed    : 10/25/2021 12:50:38 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR102521_207PM.M
Last changed    : 10/25/2021 2:19:44 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      10/25/2021 2:18:38 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=285,4 Ref=390,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.752	BBA	0.0529	1.84441	0.1934	?
2	4.073	BBA	0.0755	1.39408	0.1462	?
3	6.489	BB	0.0637	940.27325	98.6159	Indigo-D8
4	7.313	BV	0.0774	3.69552	0.3876	?
5	7.578	VB	0.0632	3.49385	0.3664	?
6	8.217	VBA	0.0715	1.00158	0.1050	?
7	9.575	BV	0.0867	1.76794	0.1854	?

Sample Name: GR-16-207

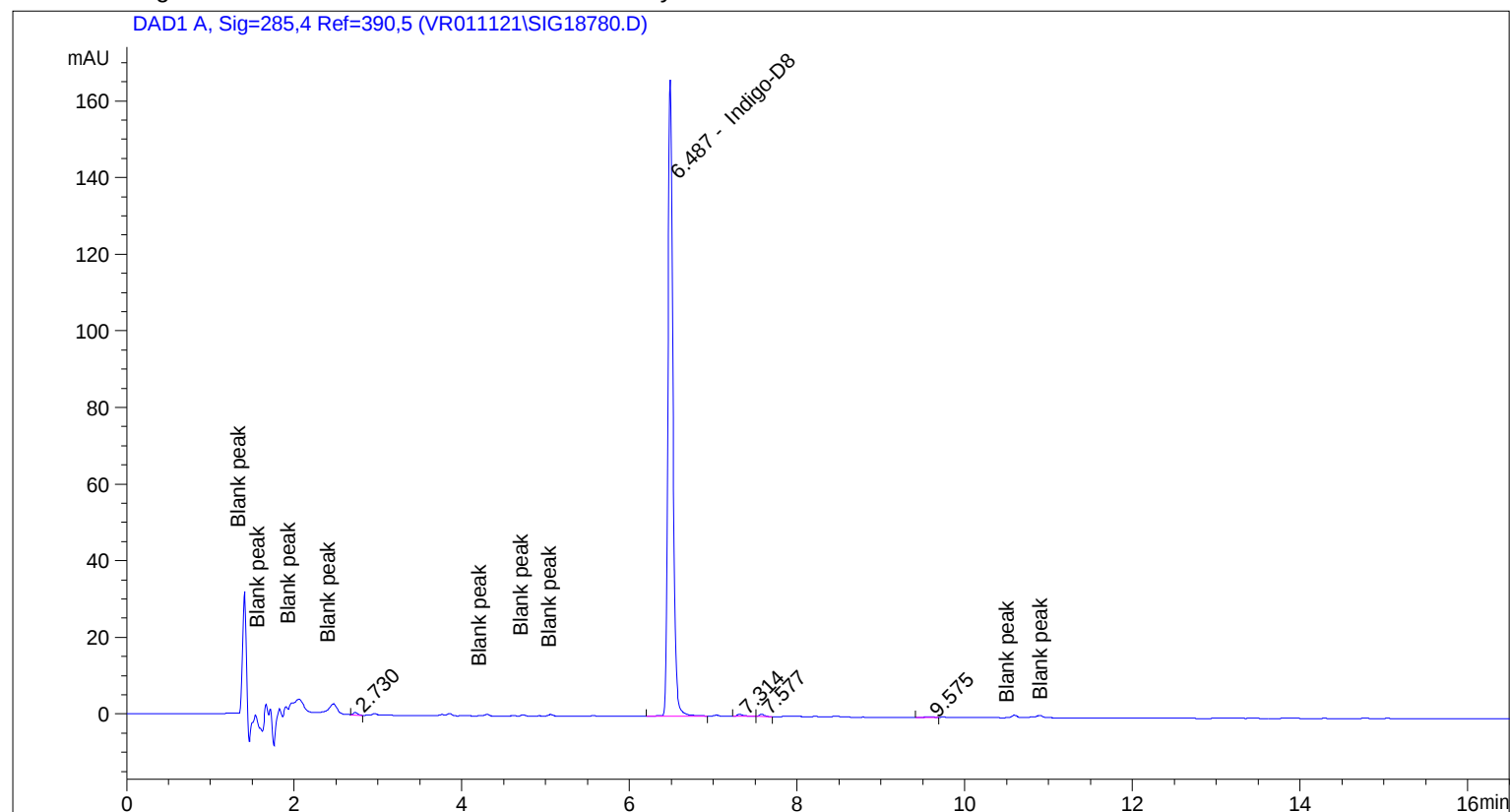
Totals : 953.47063

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*** End of Report ***

Sample Name: GR-16-207 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 35
Injection Date  : 10/25/2021 1:18:08 PM
                                           Inj Volume : 15.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR102521_207.M
Last changed    : 10/25/2021 1:17:09 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR102521_207PM.M
Last changed    : 10/25/2021 2:19:44 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      10/25/2021 2:18:38 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=285,4 Ref=390,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.730	BB	0.0546	2.13394	0.3086	?
2	6.487	BB	0.0639	682.70380	98.7300	Indigo-D8
3	7.314	BV	0.0846	2.98637	0.4319	?
4	7.577	VB	0.0625	2.47494	0.3579	?
5	9.575	BV	0.0851	1.18678	0.1716	?

Totals : 691.48583

Sample Name: GR-16-207 spl-2

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*** End of Report ***