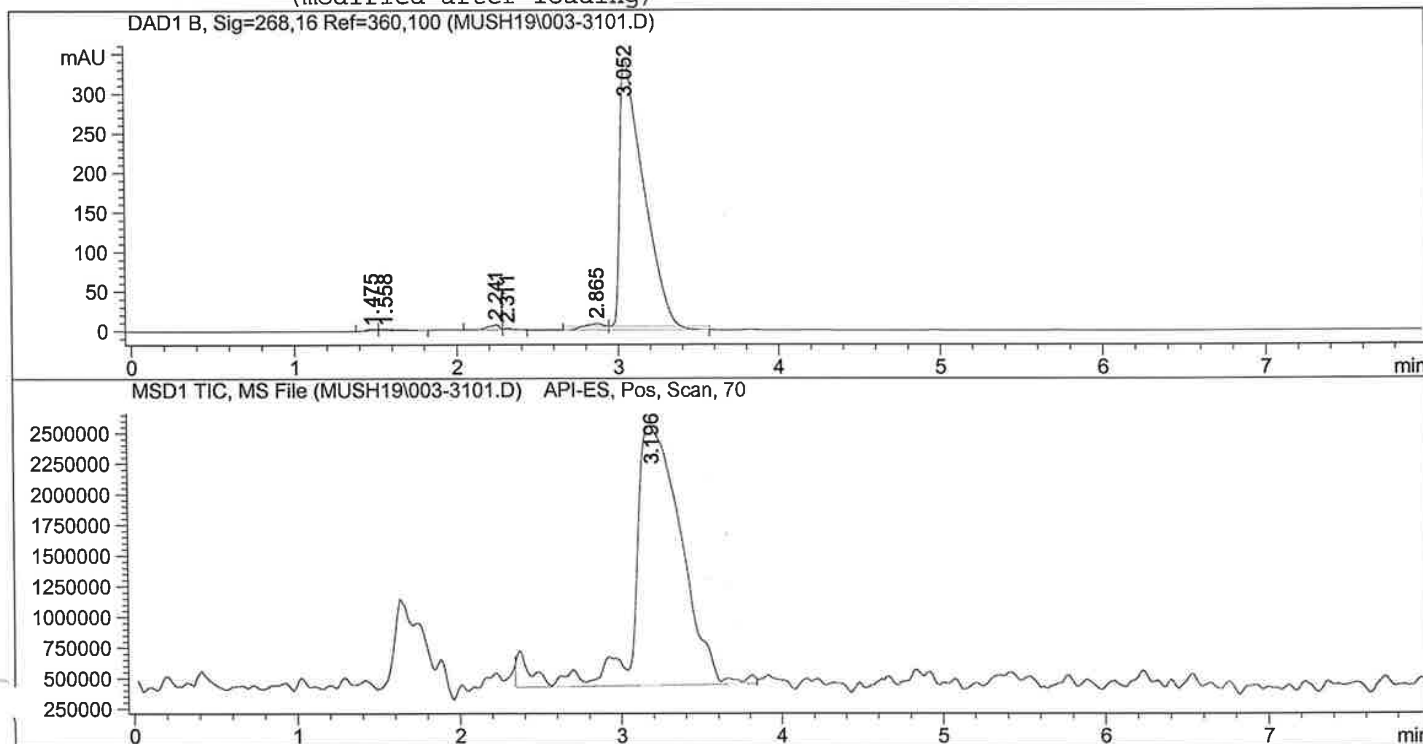


```
=====
Injection Date   : 9/16/10 2:12:11 PM      Seq. Line   : 31
Sample Name     : Psilocyn Std.           Location    : Vial 3
Acq. Operator   : PATTI CHOATIE           Inj         : 1
                                           Inj Volume  : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\MUSHRM.S
Method          : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed    : 9/16/10 2:12:11 PM by PATTI CHOATIE
                  (modified after loading)
=====
```



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

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
```

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.475	PV	0.0660	10.69385	2.49324	0.2902
2	1.558	VB	0.1083	16.33521	2.06419	0.4433
3	2.241	PV	0.0668	32.20520	6.61971	0.8740
4	2.311	VB	0.0610	9.41459	2.55694	0.2555
5	2.865	BV	0.1208	74.92451	8.34273	2.0333
6	3.052	VB	0.1422	3541.28931	343.80264	96.1037

Totals : 3684.86267 365.87944

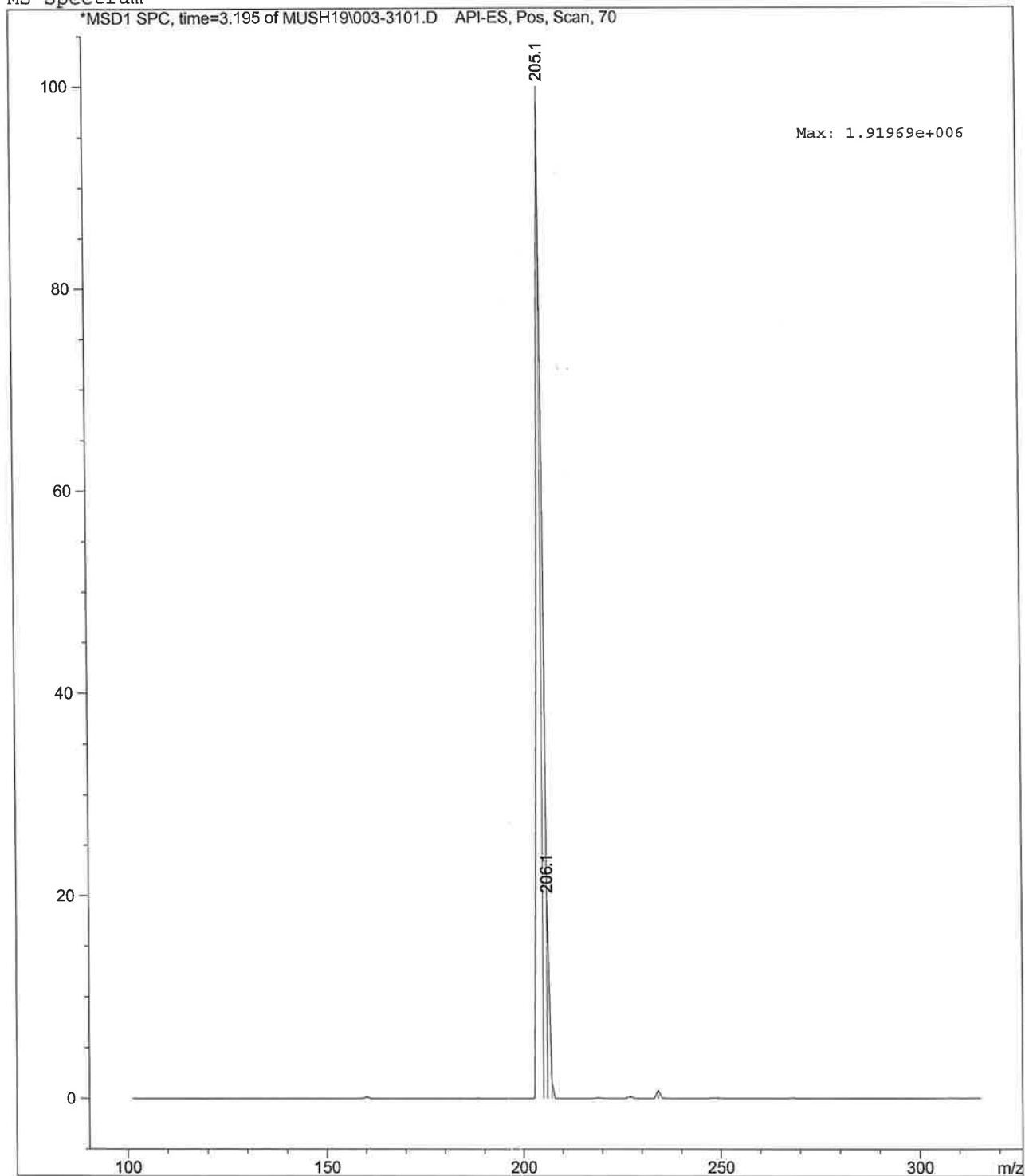
Print of window 79: MS Spectrum

```
=====
Injection Date   : 9/16/10 2:12:11 PM      Seq. Line   : 31
Sample Name      : Psilocyn Std.           Location      : Vial 3
Acq. Operator    : PATTI CHOATIE           Inj           : 1
                                           Inj Volume    : 10 µl

Acq. Method      : C:\HPCHEM\1\METHODS\MUSHRMS.M
L changed        : 9/16/10 2:12:11 PM by PATTI CHOATIE
                  (modified after loading)

Analysis Method   : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed      : 9/16/10 2:21:38 PM by PATTI CHOATIE
                  (modified after loading)
=====
```

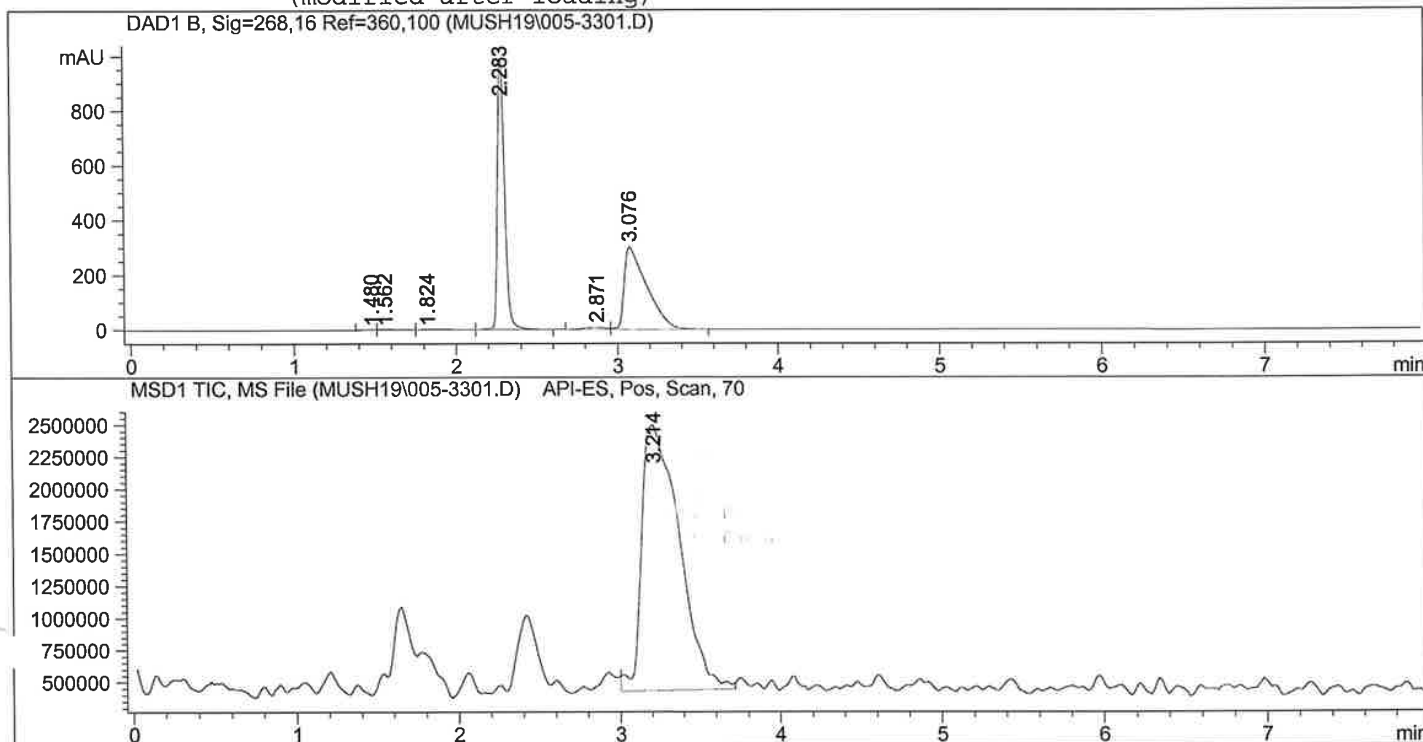
MS Spectrum



=====

Injection Date	: 9/16/10 2:31:33 PM	Seq. Line	: 33
Sample Name	: Pscybin & Pscyn	Location	: Vial 5
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/16/10 2:31:32 PM by PATTI CHOATIE
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/16/10 2:50:26 PM by PATTI CHOATIE
(modified after loading)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.480	PV	0.0642	11.64001	2.81907	0.1882
2	1.562	VV	0.1463	34.57176	3.14462	0.5591
3	1.824	VV	0.2003	47.73040	3.12278	0.7719
4	2.283	VB	0.0482	3104.61523	1001.74725	50.2050
5	2.871	BV	0.1327	74.60903	7.33120	1.2065
6	3.076	VB	0.1350	2910.71191	300.64606	47.0694

Totals : 6183.87834 1318.81098

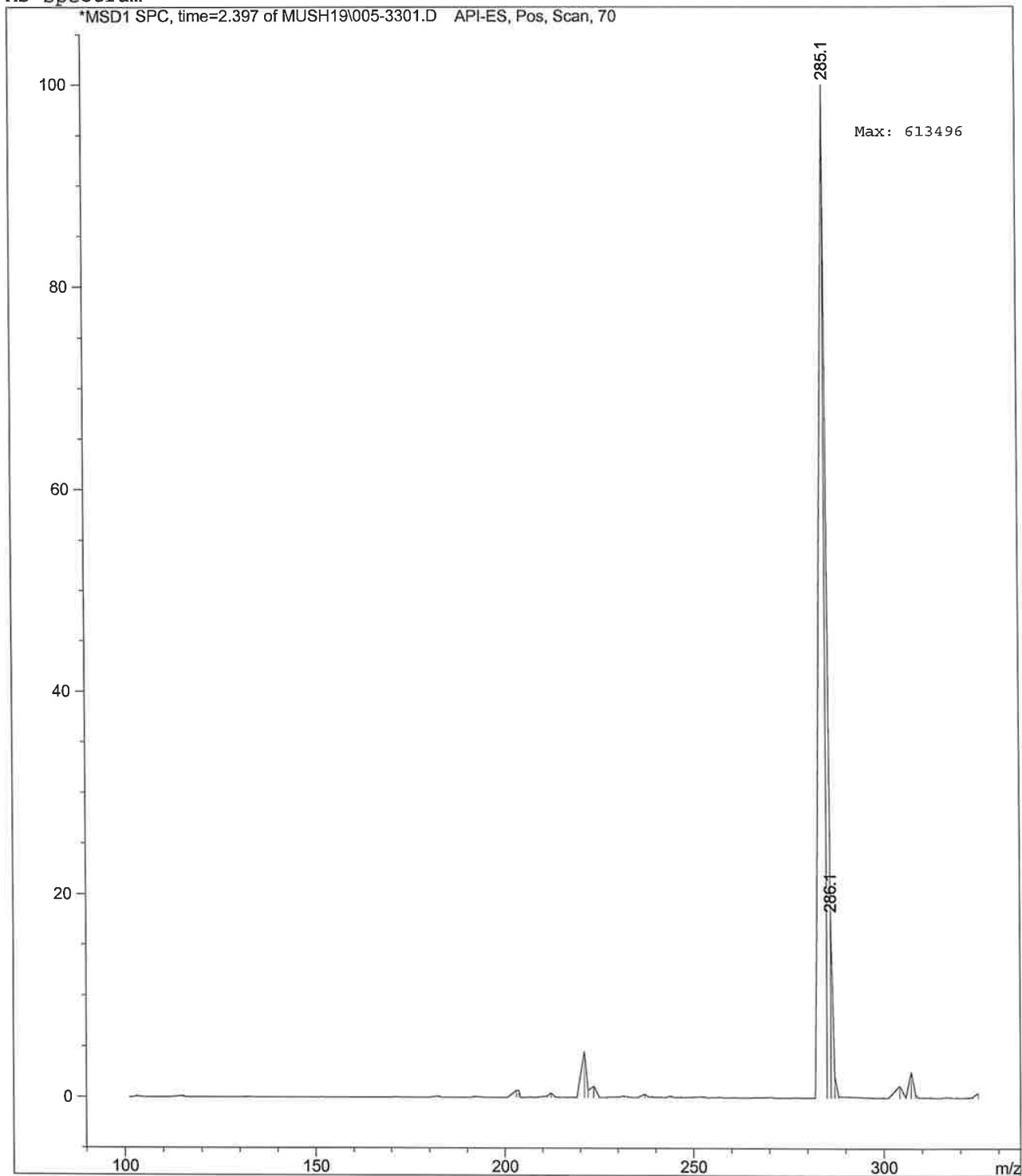
Print of window 79: MS Spectrum

```
=====
Injection Date   : 9/16/10 2:31:33 PM      Seq. Line :   33
Sample Name      : Pscybin & Pscyn         Location  : Vial 5
Acq. Operator    : PATTI CHOATIE           Inj       :    1
                                           Inj Volume: 10 µl

Acq. Method      : C:\HPCHEM\1\METHODS\MUSHRMS.M
L changed        : 9/16/10 2:31:32 PM by PATTI CHOATIE
                  (modified after loading)

Analysis Method   : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed      : 9/16/10 2:50:26 PM by PATTI CHOATIE
                  (modified after loading)
=====
```

MS Spectrum

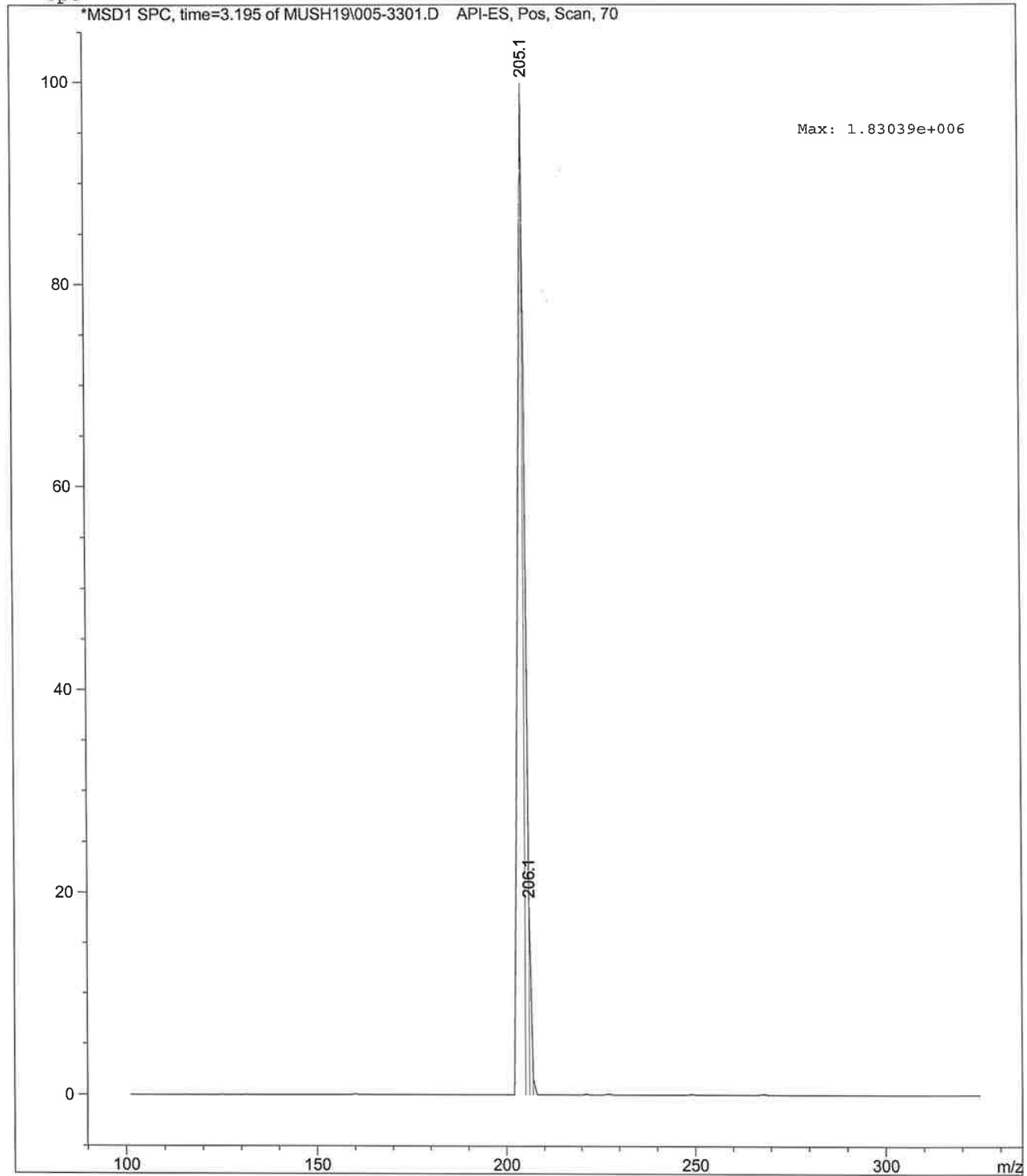


Print of window 79: MS Spectrum

```
=====
Injection Date   : 9/16/10 2:31:33 PM      Seq. Line   : 33
Sample Name      : Pscybin & Pscyn         Location      : Vial 5
Acq. Operator    : PATTI CHOATIE           Inj           : 1
                                           Inj Volume    : 10 µl

Acq. Method      : C:\HPCHEM\1\METHODS\MUSHRMS.M
I changed        : 9/16/10 2:31:32 PM by PATTI CHOATIE
                  (modified after loading)
Analysis Method   : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed      : 9/16/10 2:50:26 PM by PATTI CHOATIE
                  (modified after loading)
=====
```

MS Spectrum



**Case Samples Analyzed on Several Occasions with Reports Showing
HPLC Results (that were reported)**

This section contains data generated on numerous occasions to show the robustness and reproducibility of the selected mushroom procedure.

These samples were analyzed using the Kinetex 2.6 μ C-18 column (100 x 4.60 mm).



PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY
901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: Frank DeRiggi
Mt. Juliet P.D.
P.O. Box 322
2425 N.Mt. Juliet Rd.
Mt. Juliet, TN 37121

DATE ISSUED: 6/24/10
LAB CASE NO: 101007048
COUNTY: Wilson
AGENCY CASE NO: 1023432

SUBJECT(S):
FLETCHER DENNING

VICTIM(S):

Received From: Sandra Dempsey
Received By: Jennifer Gillis
Date Received: 5/10/10
Time Received: 1:00 pm

EXHIBIT(S):
01-a Vegetative material

<u>RESULTS:</u>	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	Psilocybin	I	17.8 Gram(s)

DISPOSITION:
All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,

Denotria Patterson
Special Agent / Forensic Scientist

I certify and attest that this document is the proper record it purports to be.

Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



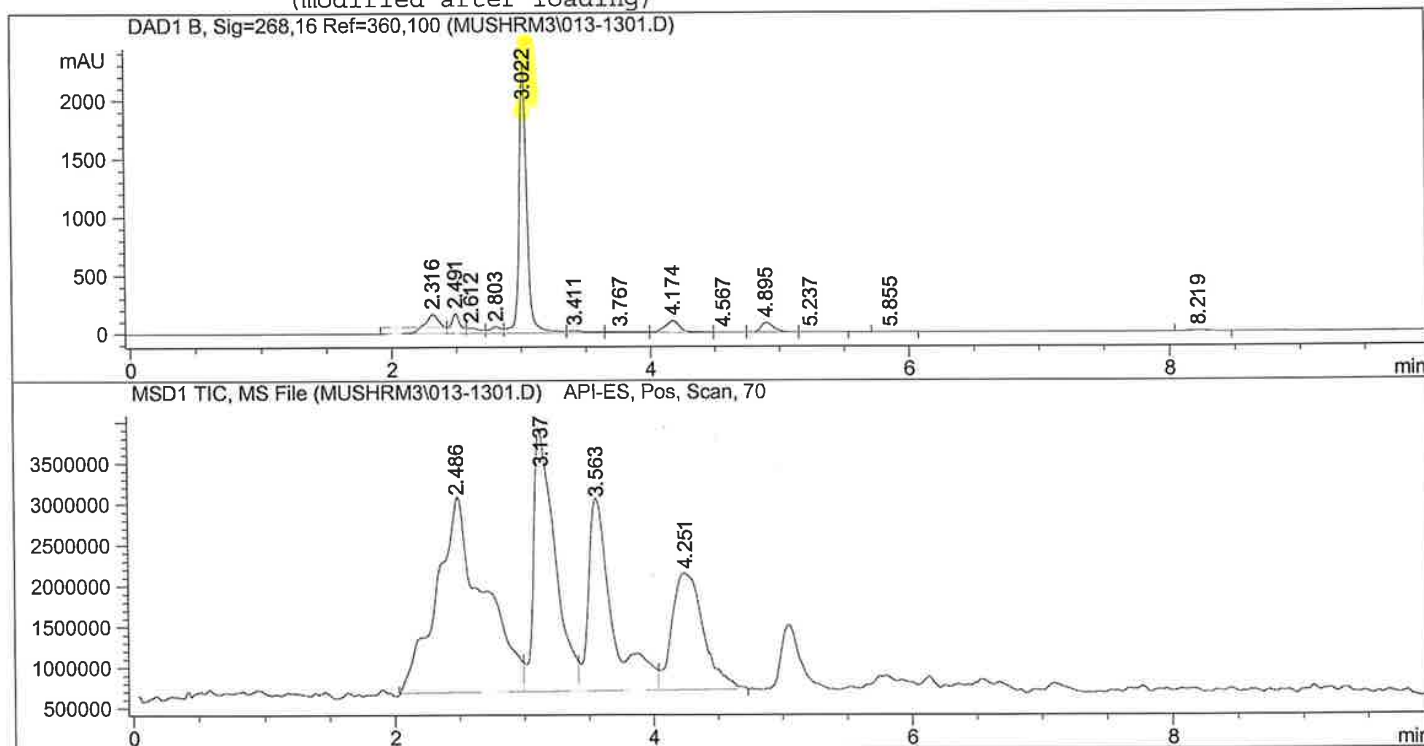
INTERNATIONALLY ACCREDITED SINCE 1994

=====

Injection Date	: 6/25/10 12:21:30 PM	Seq. Line	: 13
Sample Name	: 101-7048-1a H2O	Location	: Vial 13
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRM.S
Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 6/25/10 12:20:24 PM by PATTI CHOATIE
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 6/25/10 12:31:45 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

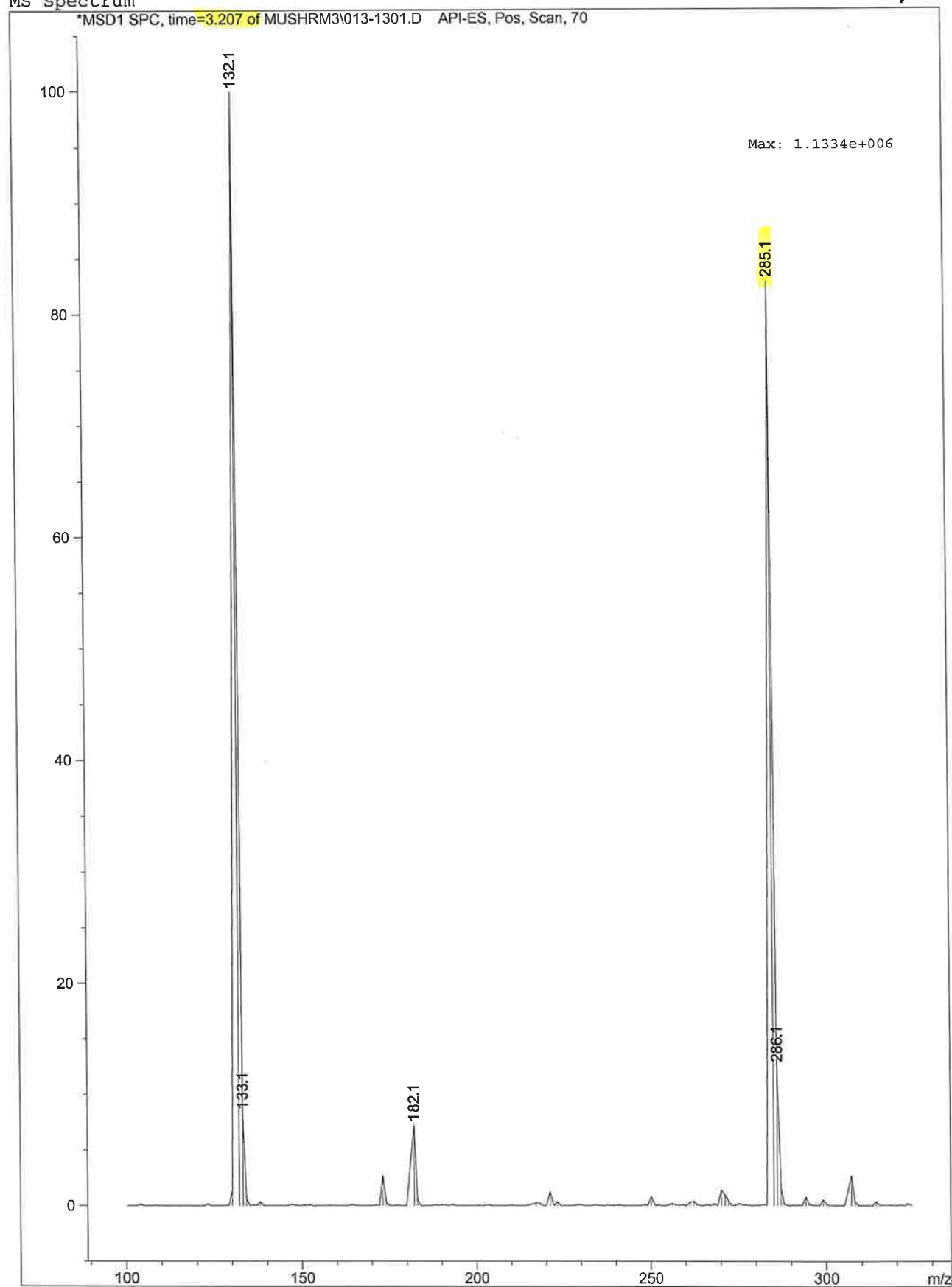
Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.316	BV	0.1203	1428.37646	166.09454	9.8591
2	2.491	VV	0.0671	817.18347	172.95094	5.6405
3	2.612	VV	0.1019	333.45578	46.36327	2.3016
4	2.803	VV	0.0885	344.50021	56.98843	2.3779
5	3.022	VV	0.0621	9611.31738	2332.58057	66.3405
6	3.411	VV	0.1356	205.36920	20.37681	1.4175
7	3.767	VV	0.1969	157.16312	10.13388	1.0848
8	4.174	VV	0.1148	828.24731	101.96857	5.7168
9	4.567	VV	0.1709	36.81570	2.84558	0.2541
10	4.895	VV	0.1052	576.31995	-82.78725	3.9780
11	5.237	VP	0.1266	36.69341	4.01650	0.2533
12	5.855	PB	0.1459	15.63085	1.54652	0.1079
13	8.219	BB	0.1500	96.77506	10.08348	0.6680

PSILOCYBIN

MS Spectrum

*MSD1 SPC, time=3.207 of MUSHRM3\013-1301.D API-ES, Pos, Scan, 70

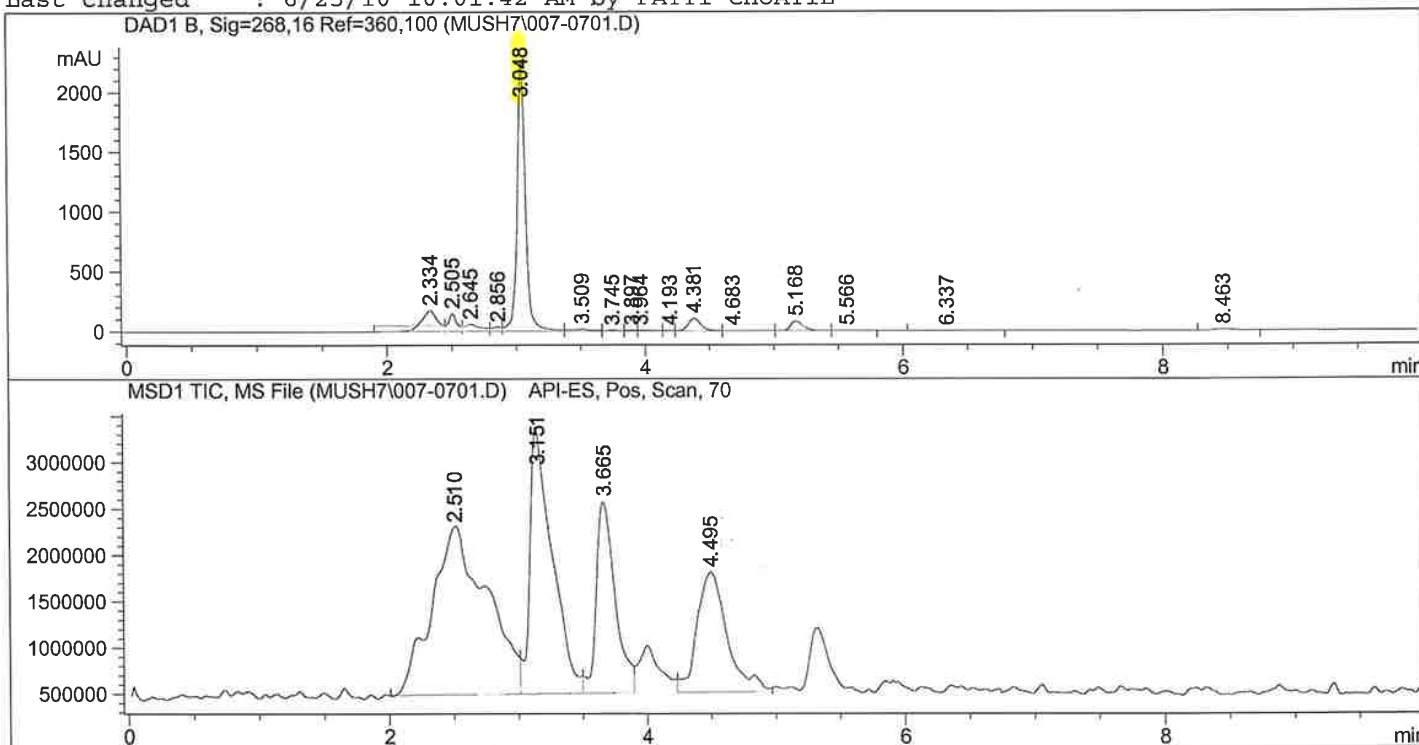


=====

Injection Date	: 7/7/10 11:45:57 AM	Seq. Line	: 7
Sample Name	: 101-7048-1a H2O	Location	: Vial 7
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSHRM.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 6/25/10 10:01:42 AM by PATTI CHOATIE		

=====

PSILOCYBIN



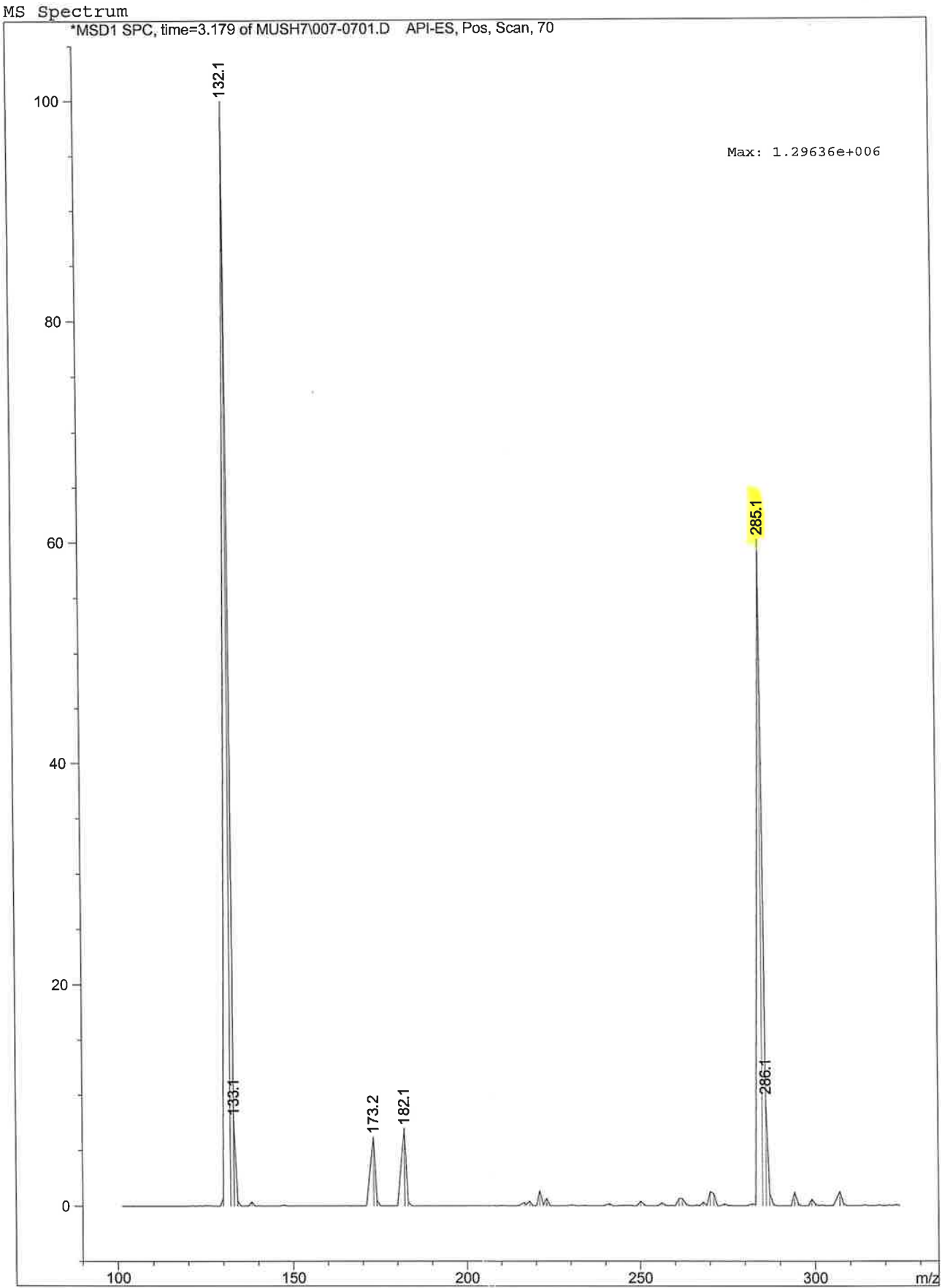
=====
Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.334	BV	0.1220	1528.80212	174.80768	10.2034
2	2.505	VV	0.0643	666.25677	148.61552	4.4467
3	2.645	VV	0.1196	517.43616	59.42064	3.4534
4	2.856	VV	0.0719	184.15381	37.11676	1.2291
5	3.048	VV	0.0662	1.02016e4	2279.37012	68.0869
6	3.509	VV	0.1524	199.36507	17.30741	1.3306
7	3.745	VV	0.1259	70.49932	8.07029	0.4705
8	3.897	VV	0.0818	40.22285	6.92031	0.2685
9	3.964	VV	0.1129	53.30164	6.42048	0.3557
10	4.193	VV	0.0755	21.34417	3.92143	0.1425
11	4.381	VV	0.1075	735.38922	105.23930	4.9081
12	4.683	VV	0.2221	48.38963	3.09988	0.3230
13	5.168	VB	0.1045	556.93384	80.70570	3.7170
14	5.566	BB	0.1122	28.80169	3.72348	0.1922
15	6.337	PP	0.2076	28.36057	1.84189	0.1893
16	8.463	PP	0.1524	102.36097	10.43757	0.6832

PSILOCYBIN

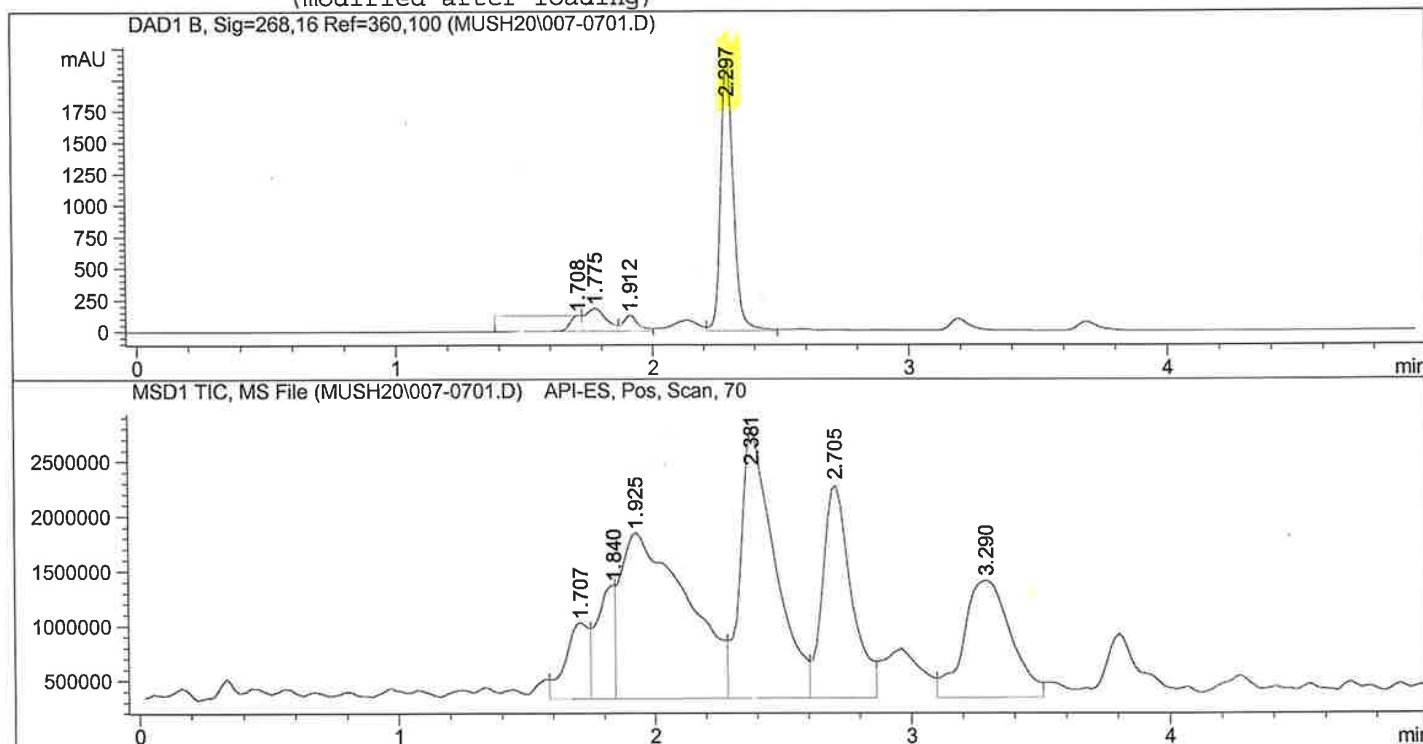


=====

Injection Date	: 9/17/10 10:47:41 AM	Seq. Line	: 7
Sample Name	: 101-7048-01a	Location	: Vial 7
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 10:47:43 AM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 1:21:48 PM by PATTI CHOATIE (modified after loading)		

=====

PSILOCYBIN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.708	BV	0.0475	390.26245	128.15977	4.1465
2	1.775	VV	0.0844	1039.09351	182.46606	11.0403
3	1.912	VV	0.0620	524.42334	127.45746	5.5720
4	2.297	VV	0.0542	7458.02539	2164.83276	79.2412

Totals : 9411.80469 2602.91606

Print of window 79: MS Spectrum

=====

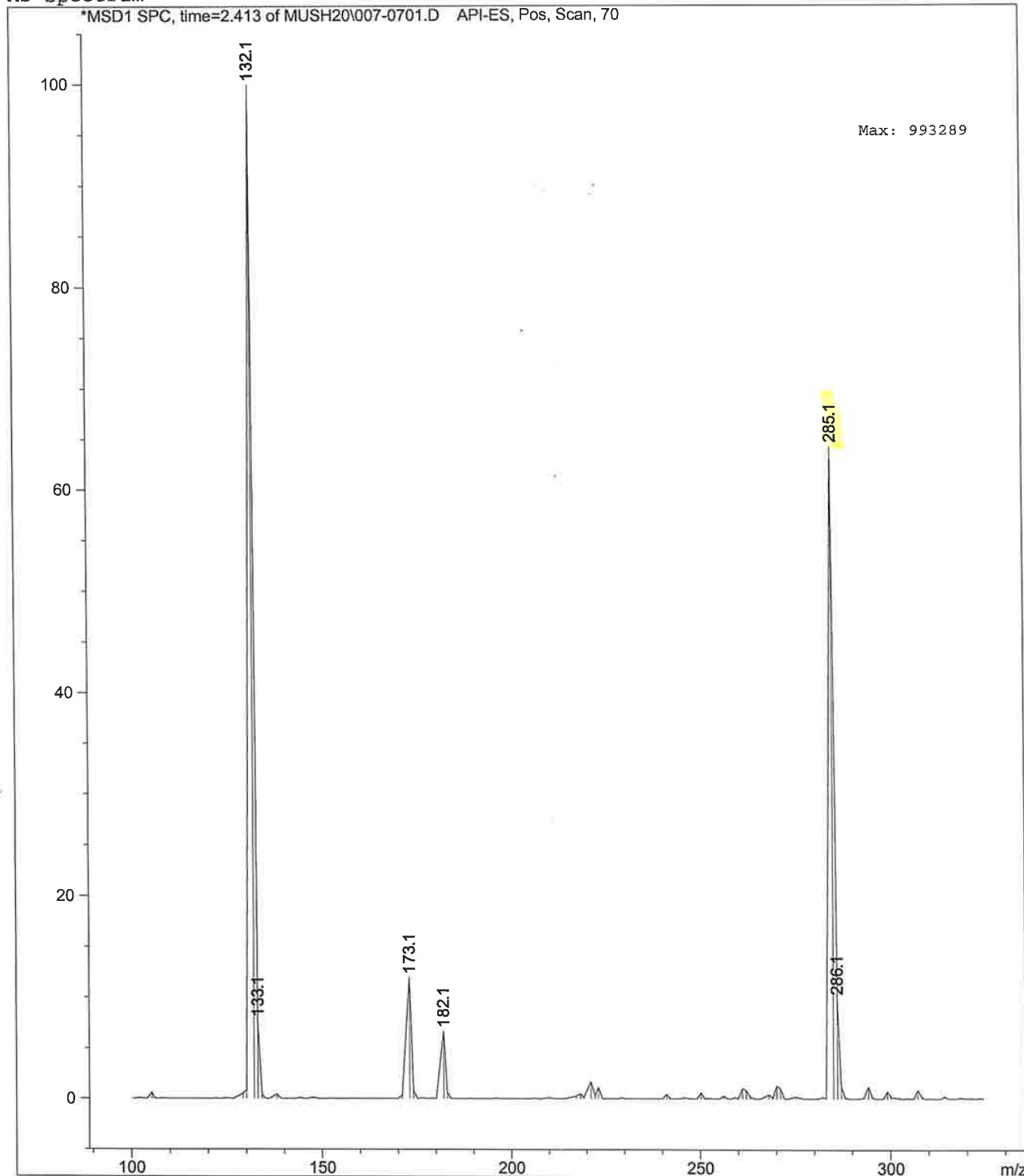
Injection Date	: 9/17/10 10:47:41 AM	Seq. Line	: 7
Sample Name	: 101-7048-01a	Location	: Vial 7
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 10:47:43 AM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 1:21:48 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN

MS Spectrum





PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY
901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: Frank DeRiggi
Mt. Juliet P.D.
P.O. Box 322
2425 N.Mt. Juliet Rd.
Mt. Juliet, TN 37121

DATE ISSUED: 6/24/10
LAB CASE NO: 101007056
COUNTY: Wilson
AGENCY CASE NO: 1020882

SUBJECT(S):
FLETCHER DENNING

VICTIM(S):

Received From: Sandra Dempsey
Received By: Jennifer Gillis
Date Received: 5/10/10
Time Received: 1:00 pm

EXHIBIT(S):
01-a Vegetative material

<u>RESULTS:</u>	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	Psilocybin	I	14.4 Gram(s)

DISPOSITION:
All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,

Denotria Patterson
Special Agent / Forensic Scientist

I certify and attest that this document is the proper record it purports to be.

Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



INTERNATIONALLY ACCREDITED SINCE 1994

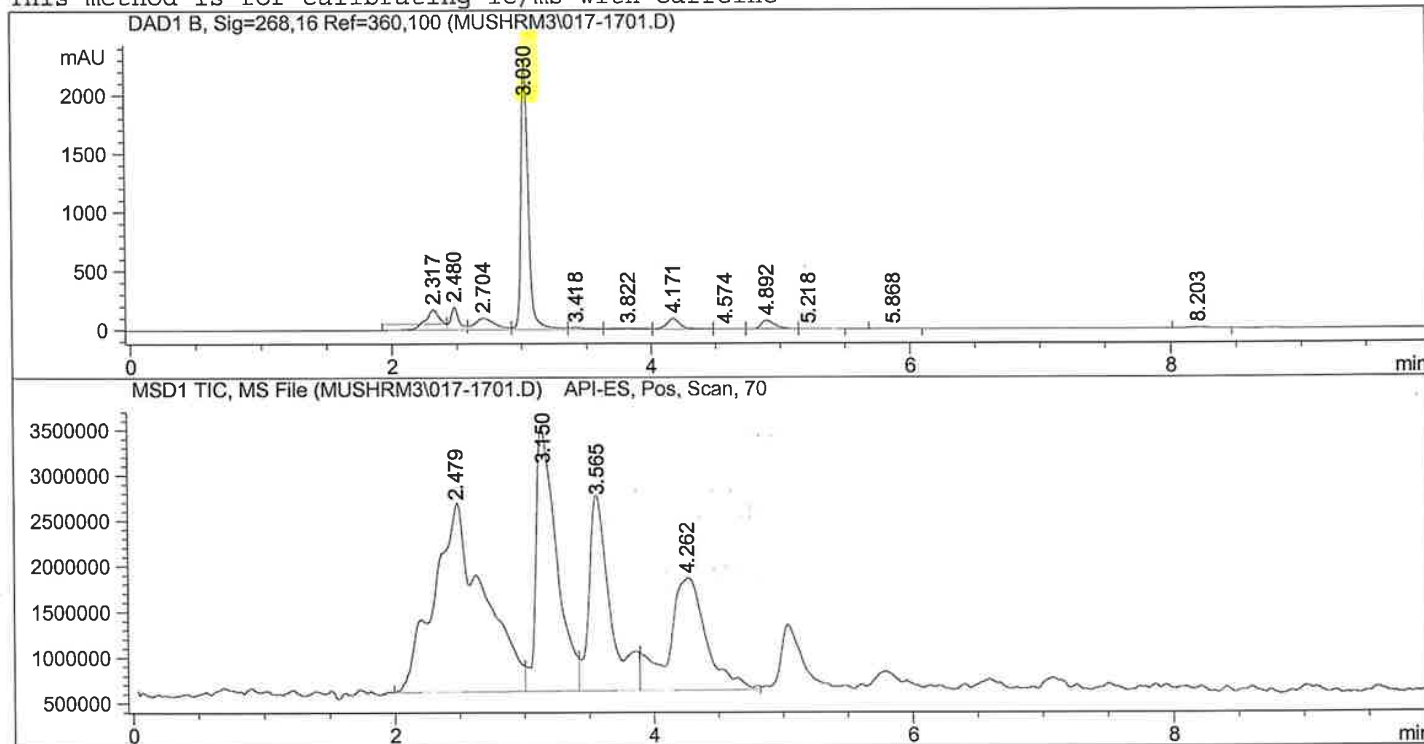
=====

Injection Date	: 6/25/10 1:07:03 PM	Seq. Line	: 17
Sample Name	: 101-7056-1a H2O	Location	: Vial 17
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

=====

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 6/25/10 1:05:58 PM by PATTI CHOATIE
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CAFFEINE.M
Last changed : 6/25/10 2:06:35 PM by PATTI CHOATIE
(modified after loading)

This method is for calibrating lc/ms with caffeine



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

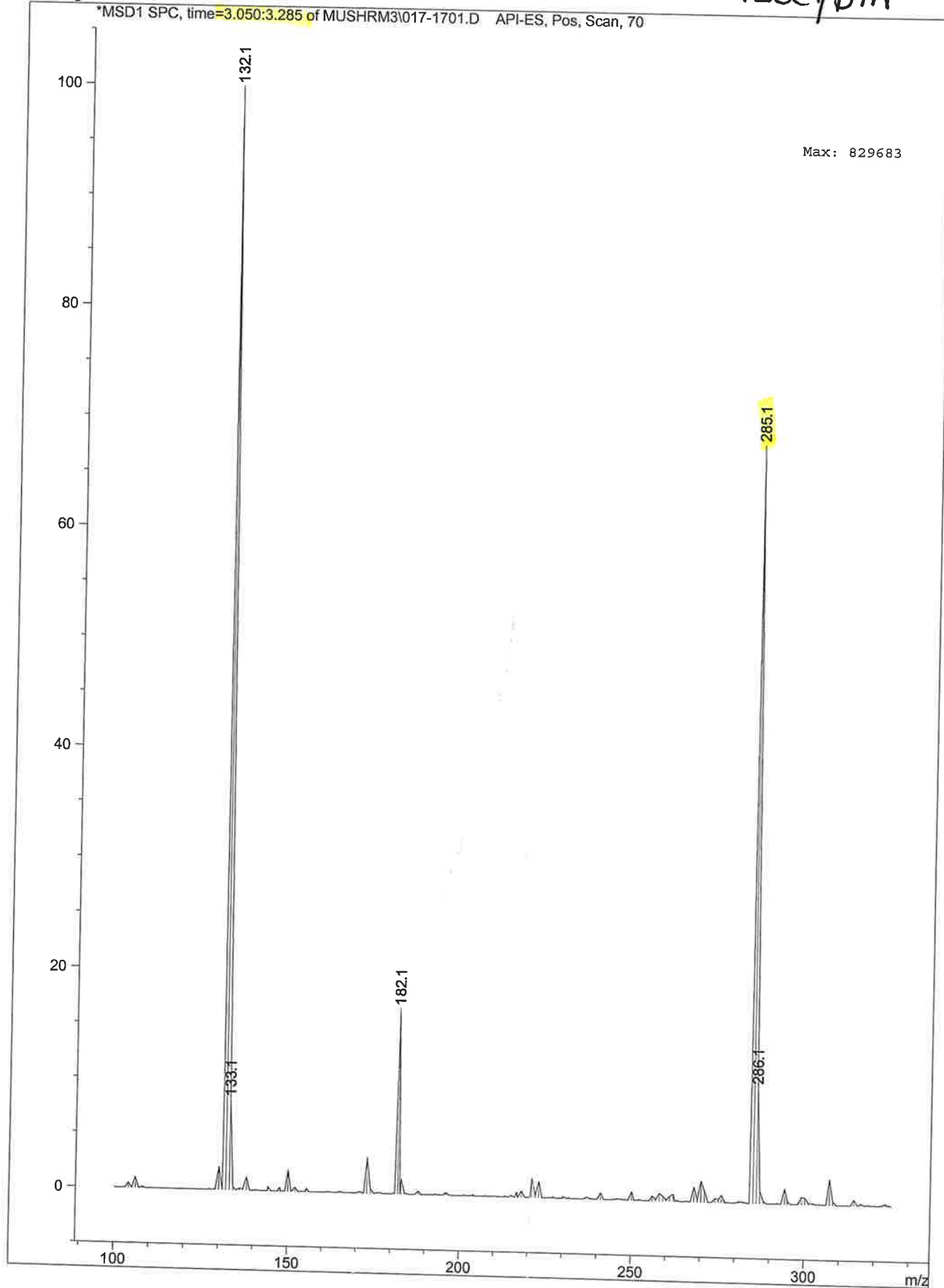
Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.317	BV	0.1168	1430.32068	172.42992	10.1321
2	2.480	VV	0.0628	844.29071	194.06441	5.9808
3	2.704	VV	0.1590	1081.90161	99.37971	7.6639
4	3.030	VV	0.0592	9001.75977	2324.21313	63.7664
5	3.418	VV	0.1331	182.37091	18.48248	1.2919
6	3.822	VV	0.2124	176.42078	10.47950	1.2497
7	4.171	VV	0.1046	678.22742	93.58531	4.8044
8	4.574	VV	0.1733	33.90933	2.96871	0.2402
9	4.892	VV	0.1118	550.12146	73.11504	3.8969
10	5.218	VP	0.1182	34.16414	4.14221	0.2420
11	5.868	PB	0.1673	12.80302	1.08818	0.0907
12	8.203	BB	0.1516	90.48080	9.29104	0.6409

PSILOCYBIN

MS Spectrum

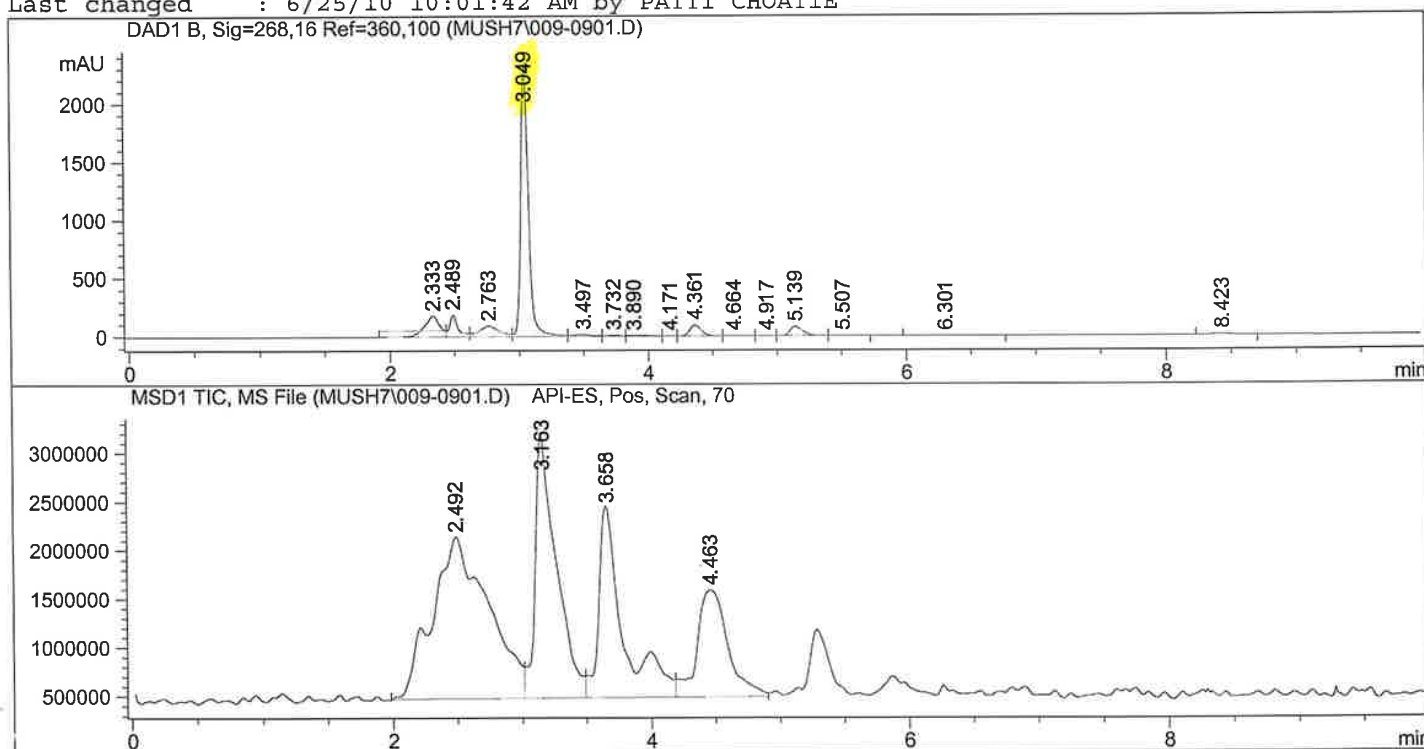
*MSD1 SPC, time=3.050:3.285 of MUSHRM3\017-1701.D API-ES, Pos, Scan, 70



Injection Date : 7/7/10 12:08:50 PM Seq. Line : 9
Sample Name : 101-7056-1a H2O Location : Vial 9
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 10 µl

PSILOCYBIN

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRM.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 6/25/10 10:01:42 AM by PATTI CHOATIE



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

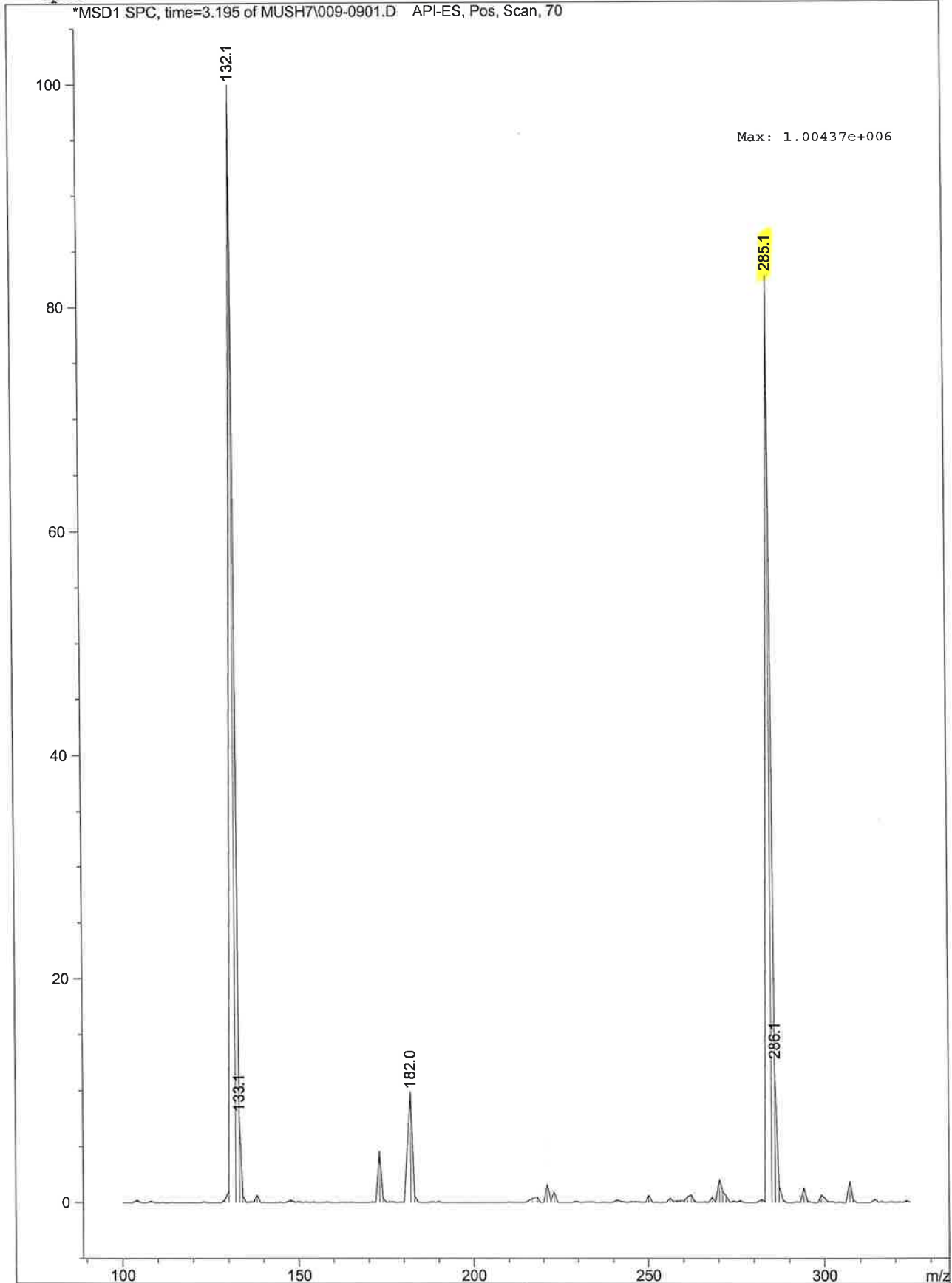
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.333	BV	0.1158	1496.13049	178.54749	10.1073
2	2.489	VV	0.0670	847.24274	186.35205	5.7237
3	2.763	VV	0.1609	1001.38898	90.61335	6.7650
4	3.049	VV	0.0624	9709.48340	2340.48804	65.5936
5	3.497	VV	0.1460	178.82936	16.29880	1.2081
6	3.732	VV	0.1288	86.82525	9.66351	0.5866
7	3.890	VV	0.1540	102.16994	8.63891	0.6902
8	4.171	VV	0.0885	26.66743	4.28870	0.1802
9	4.361	VV	0.0963	603.28790	94.74730	4.0756
10	4.664	VV	0.1472	33.50731	3.22556	0.2264
11	4.917	VV	0.1155	13.80706	1.72320	0.0933
12	5.139	VV	0.1052	550.52637	79.09562	3.7192
13	5.507	VB	0.1086	28.55496	3.93938	0.1929
14	6.301	PP	0.2018	23.45810	1.59338	0.1585
15	8.423	BB	0.1538	100.59750	10.13638	0.6796

Totals : 1.48025e4 3029.35166

PSILOCYBIN

MS Spectrum

*MSD1 SPC, time=3.195 of MUSH7\009-0901.D API-ES, Pos, Scan, 70

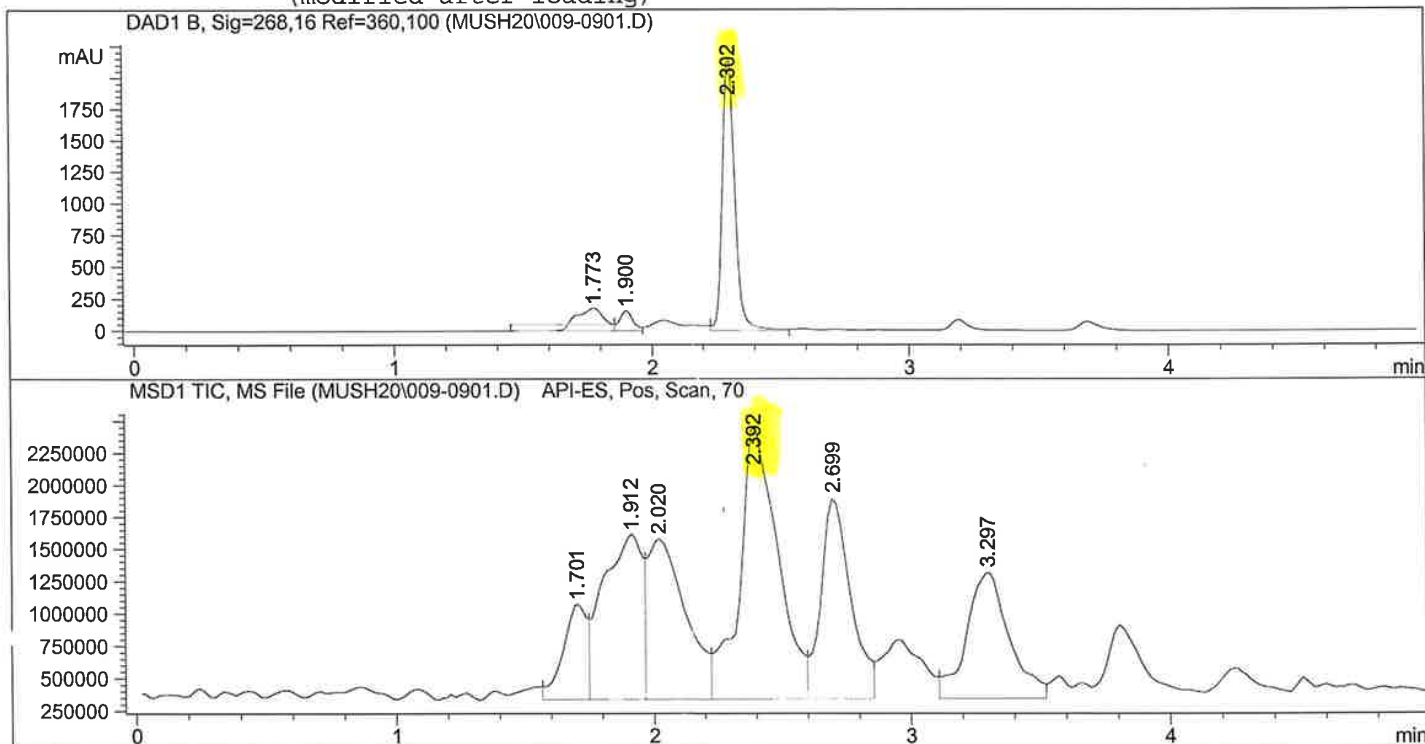


=====

Injection Date	: 9/17/10 11:00:35 AM	Seq. Line	: 9
Sample Name	: 101-7056-01a	Location	: Vial 9
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 11:00:39 AM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 1:21:48 PM by PATTI CHOATIE (modified after loading)		

=====

PSILOCYBIN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.773	BV	0.1047	1367.83850	179.94543	14.8189
2	1.900	VV	0.0539	574.64307	160.02472	6.2256
3	2.302	VV	0.0510	7287.89941	2178.43457	78.9556

Totals : 9230.38098 2518.40472

Signal 2: MSD1 TIC, MS File

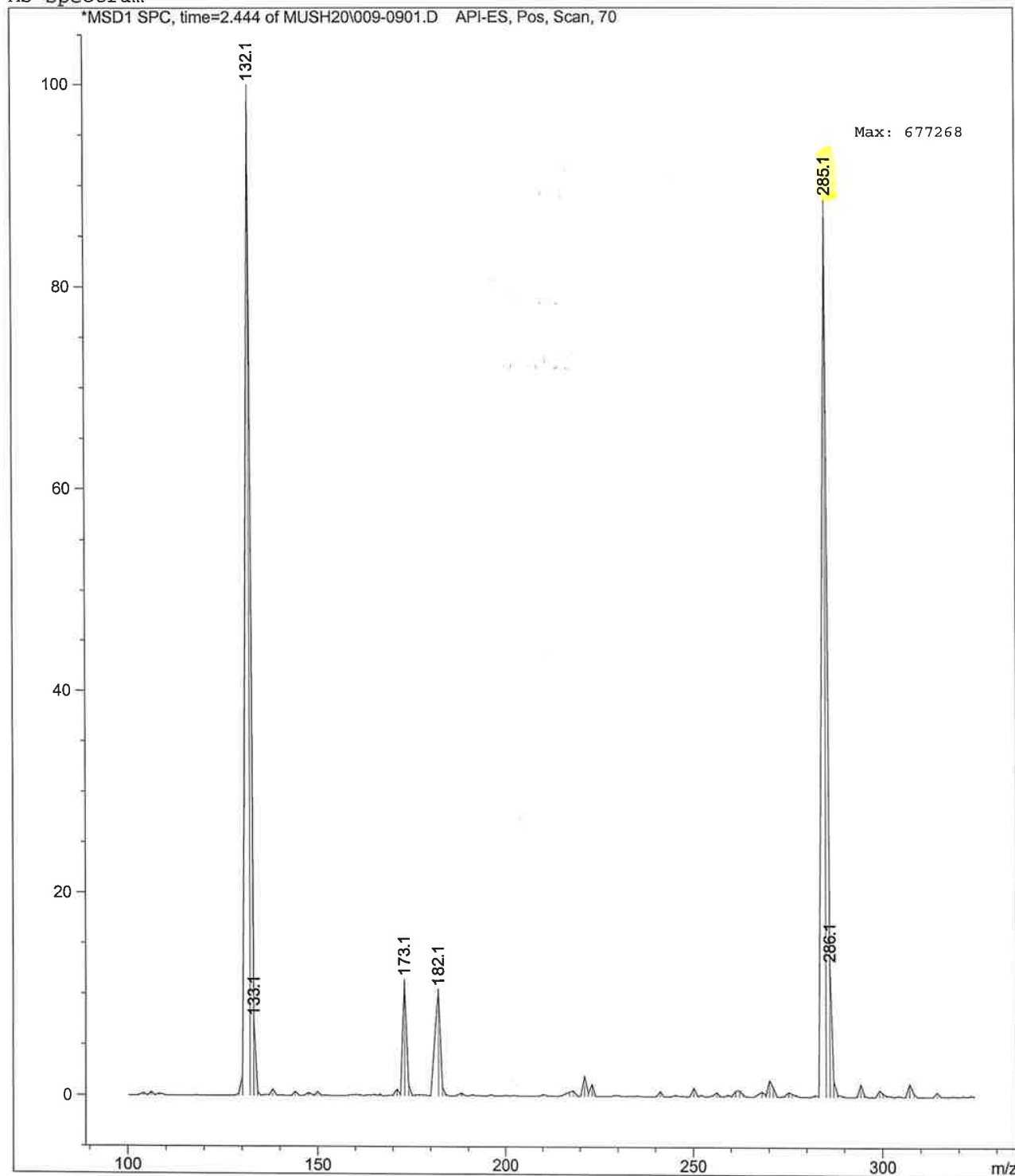
=====

Injection Date	: 9/17/10 11:00:35 AM	Seq. Line	: 9
Sample Name	: 101-7056-01a	Location	: Vial 9
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 11:00:39 AM by PATTI CHOATIE
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 1:21:48 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN

MS Spectrum





PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY

901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: S. Daugherty
17th District DTF
P.O. Box 182
300 N. Main St.
Shelbyville, TN 37162

DATE ISSUED: 6/24/10
LAB CASE NO: 101007930
COUNTY: Marshall
AGENCY CASE NO: 105900709021

SUBJECT(S):
GARY WAYNE DAVIDSON II

VICTIM(S):

Received From: Timothy Lane
Received By: Jessica Sammons
Date Received: 5/27/10
Time Received: 9:00 am

EXHIBIT(S):

01-a Plant material
01-b Mushrooms

<u>RESULTS:</u>	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	Marihuana	VI	443.8 Gram(s)
<i>No analysis was performed on additional plant material. The gross weight of this additional plant material is 3.1grams. The total weight for all the plant material would not exceed 10 pounds.</i>			
01-b	Psilocybin	I	51.6 Gram(s)

DISPOSITION:

All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,

Brett T. Trotter

Brett T. Trotter
Special Agent / Forensic Scientist



OFFICIAL FORENSIC CHEMISTRY REPORT

LABORATORY CASE NO: 101007930

DATE ISSUED: 6/24/10

I certify and attest that this document is the proper record it purports to be.

Phil R Smith

Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



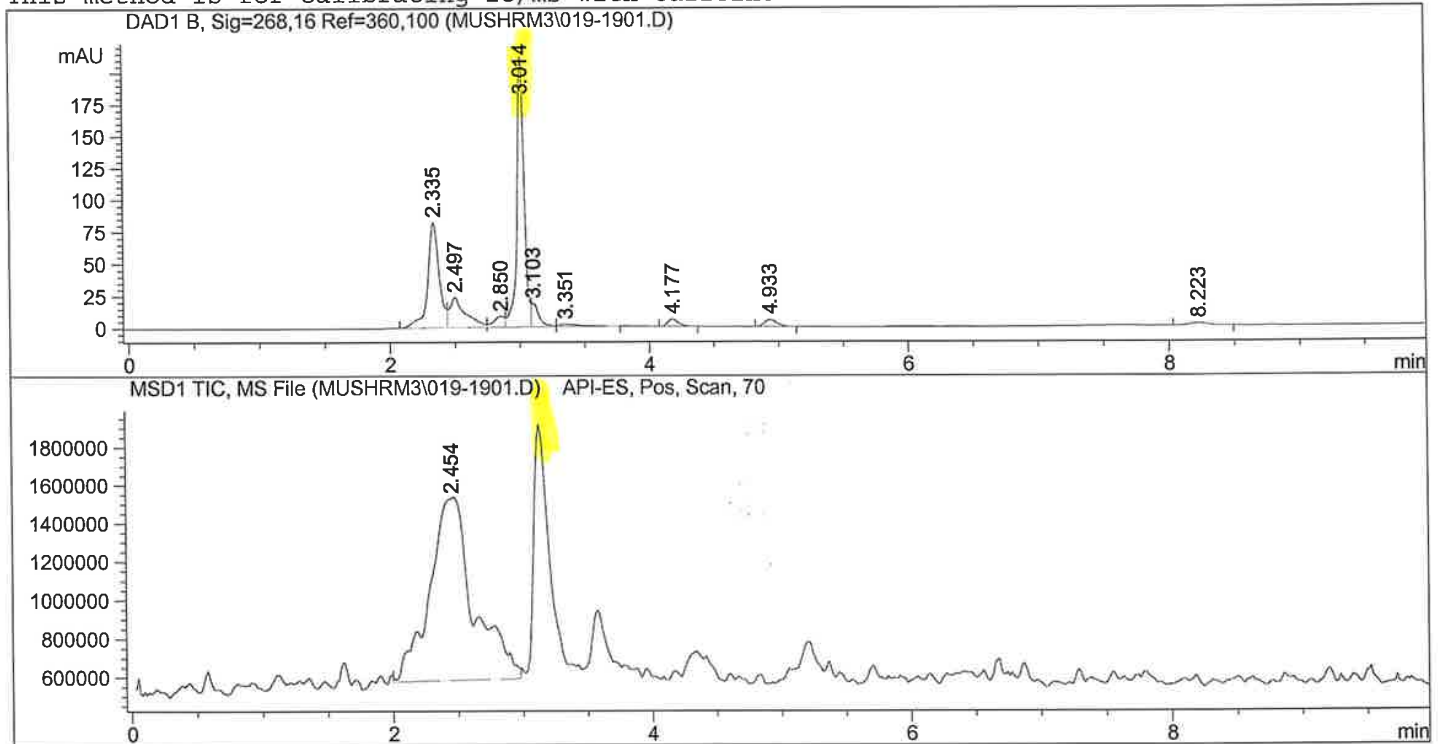
INTERNATIONALLY ACCREDITED SINCE 1994

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Injection Date	: 6/25/10 1:29:54 PM	Seq. Line	: 19
Sample Name	: 101-7930-1b H2O	Location	: Vial 19
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 6/25/10 1:28:48 PM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\CAFFEINE.M		
Last changed	: 6/25/10 2:06:35 PM by PATTI CHOATIE (modified after loading)		

This method is for calibrating lc/ms with caffeine

PSILOCYBIN



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Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

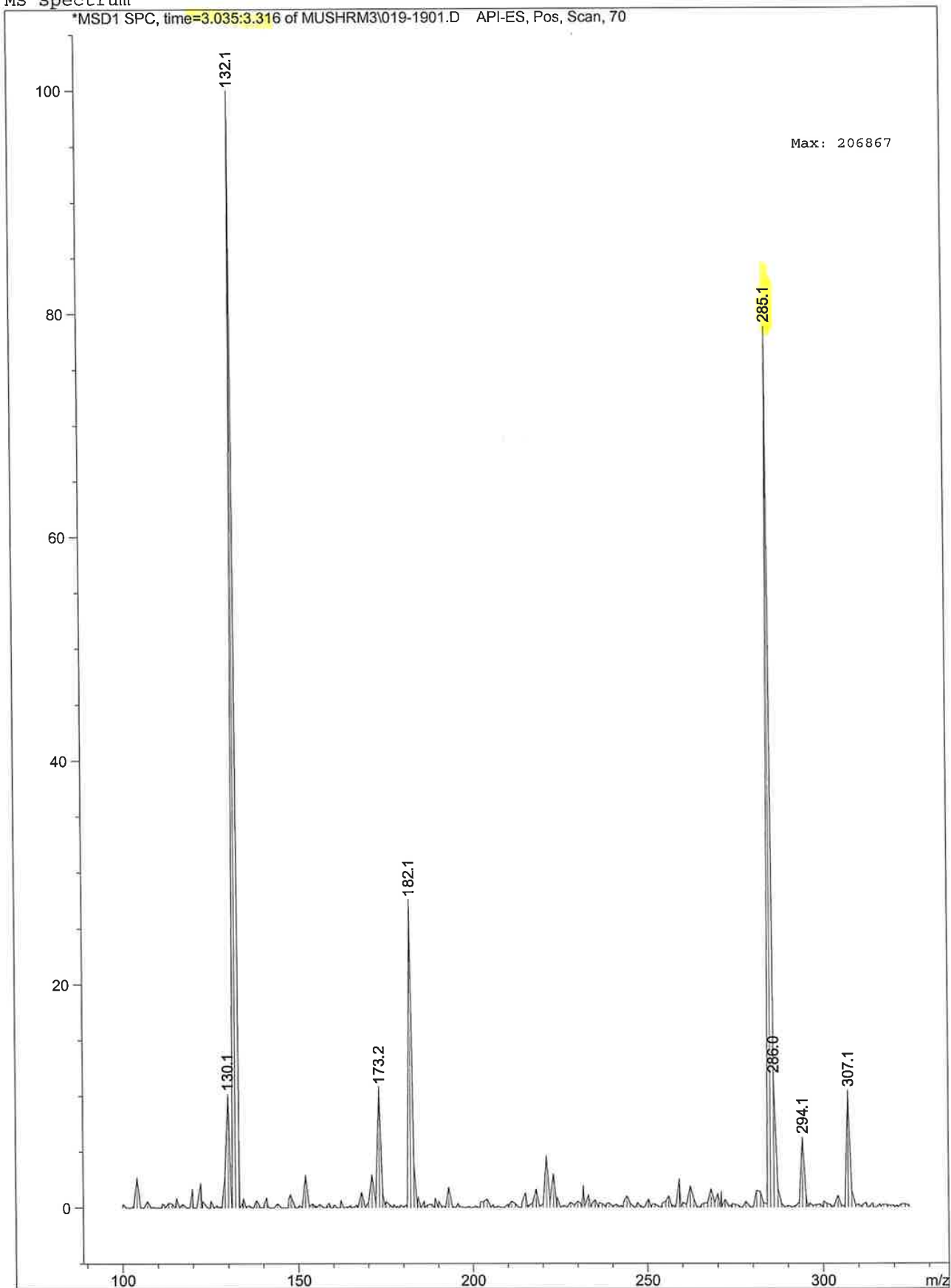
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.335	BV	0.0905	510.45679	82.13983	28.7444
2	2.497	VV	0.1120	202.69743	23.65815	11.4141
3	2.850	VV	0.0869	50.37801	8.53358	2.8368
4	3.014	VV	0.0593	824.42084	212.47743	46.4241
5	3.103	VB	0.0588	74.43246	18.55564	4.1914
6	3.351	BB	0.1611	24.85031	1.99838	1.3993
7	4.177	PB	0.0889	33.66208	5.70175	1.8956
8	4.933	BP	0.1000	37.42124	5.59799	2.1072
9	8.223	PB	0.1506	17.52850	1.81636	0.9870

Totals : 1775.84767 360.47913

PSILOCYBIN

MS Spectrum

*MSD1 SPC, time=3.035:3.316 of MUSHRM3\019-1901.D API-ES, Pos, Scan, 70

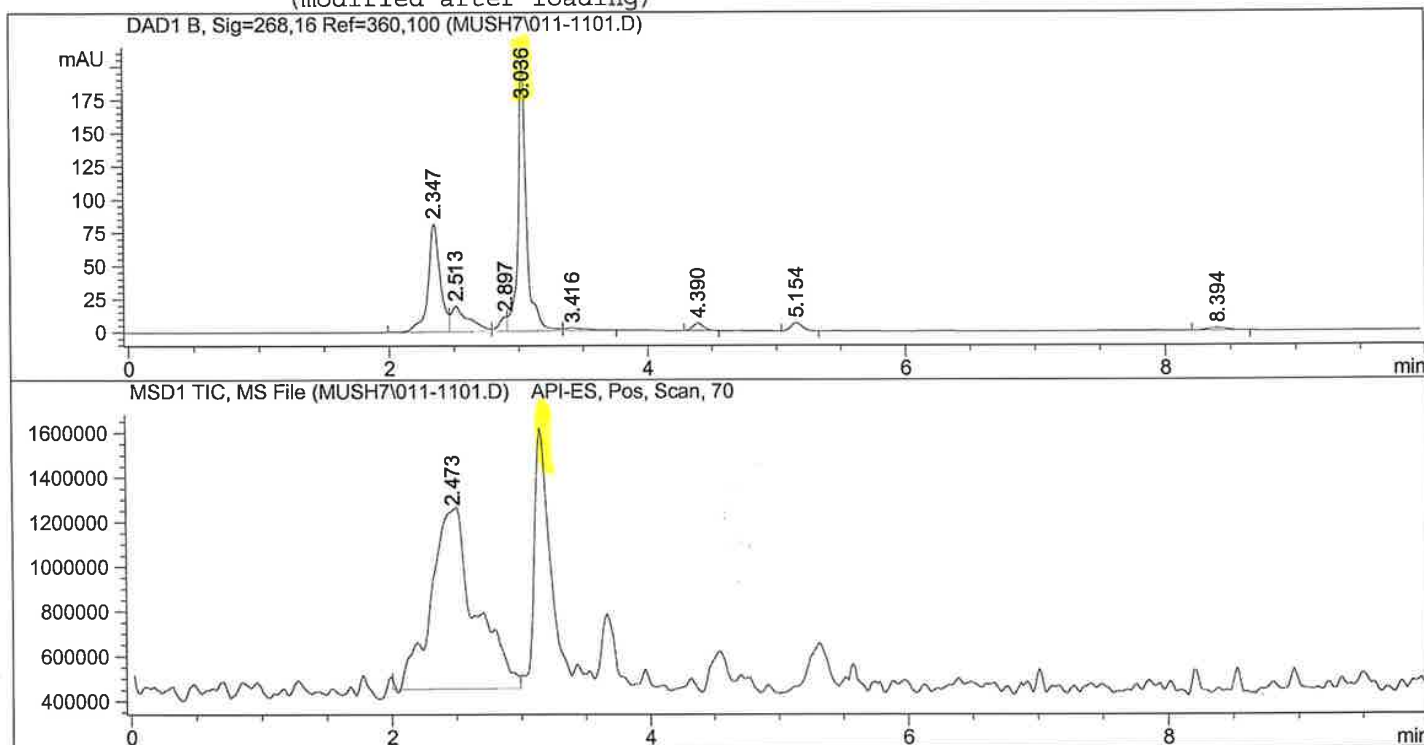


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Injection Date	: 7/7/10 12:31:43 PM	Seq. Line	: 11
Sample Name	: 101-7930-1b H2O	Location	: Vial 11
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRM.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 7/7/10 12:32:24 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN



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

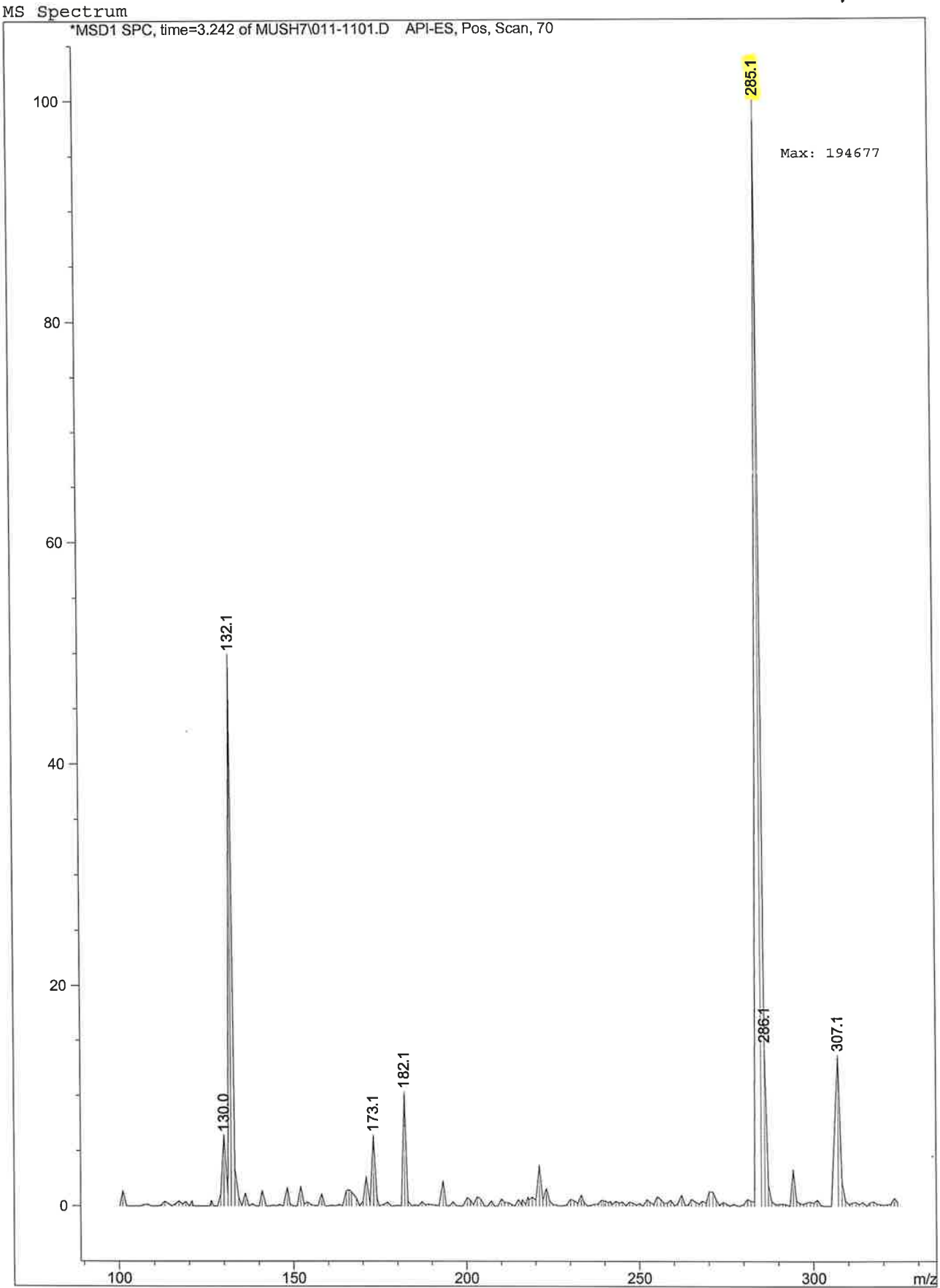
Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.347	BV	0.0947	535.32513	81.40331	29.5319
2	2.513	VV	0.1211	181.15141	19.37552	9.9934
3	2.897	VV	0.0646	45.94266	11.16364	2.5345
4	3.036	VB	0.0672	930.95667	203.98254	51.3573
5	3.416	BB	0.1625	26.96444	2.20813	1.4875
6	4.390	BP	0.0915	33.25448	5.57898	1.8345
7	5.154	PP	0.0940	37.26842	6.20799	2.0560
8	8.394	BB	0.1631	21.84081	2.03743	1.2049

Totals : 1812.70402 331.95753

PSILOCYBIN

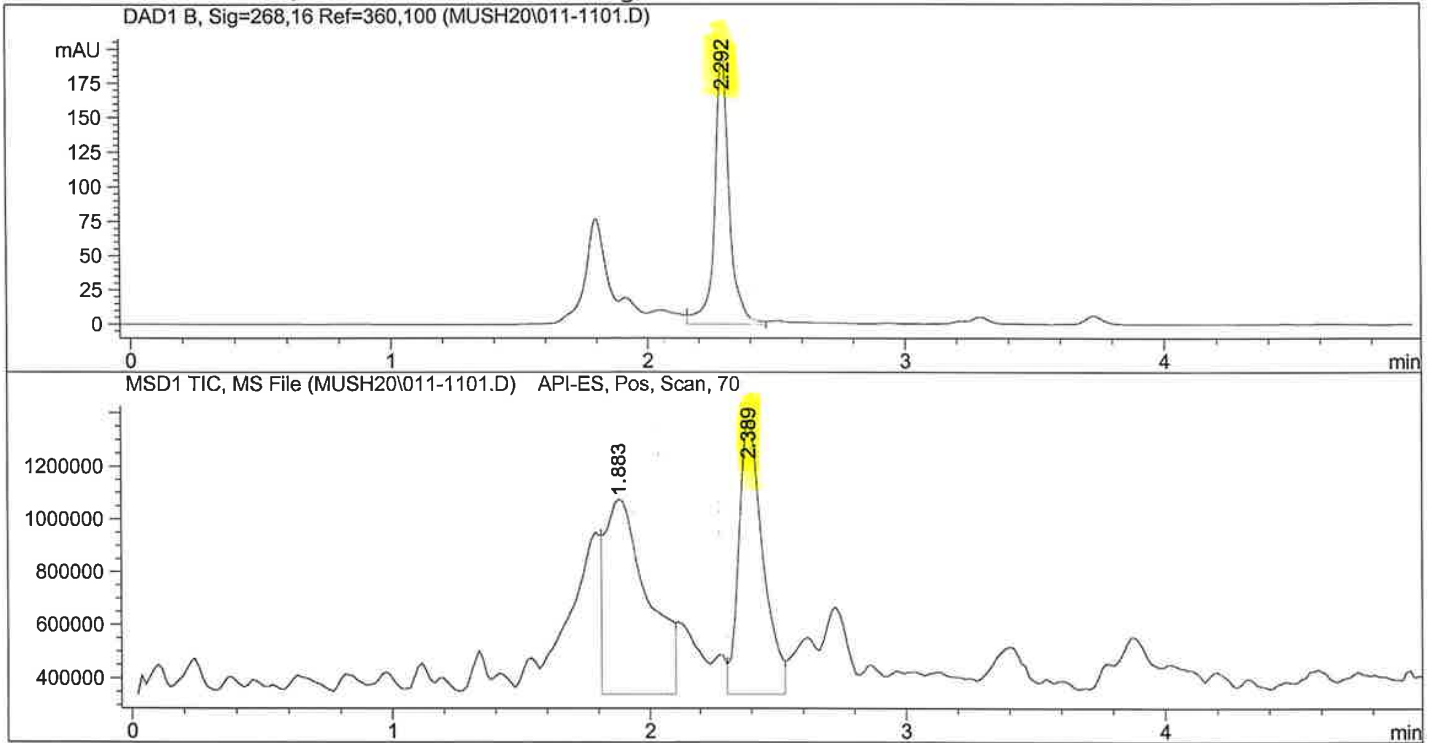


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Injection Date	: 9/17/10 11:13:32 AM	Seq. Line	: 11
Sample Name	: 101-7930-01b	Location	: Vial 11
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 11:13:34 AM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 1:21:48 PM by PATTI CHOATIE (modified after loading)		

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PSILOCYBIN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.292	VV	0.0600	779.38098	197.71825	100.0000

Totals : 779.38098 197.71825

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	1.883	VV	0.1636	8.54847e6	7.36112e5	55.8639
2	2.389	VV	0.0934	6.75385e6	1.05625e6	44.1361

Print of window 79: MS Spectrum

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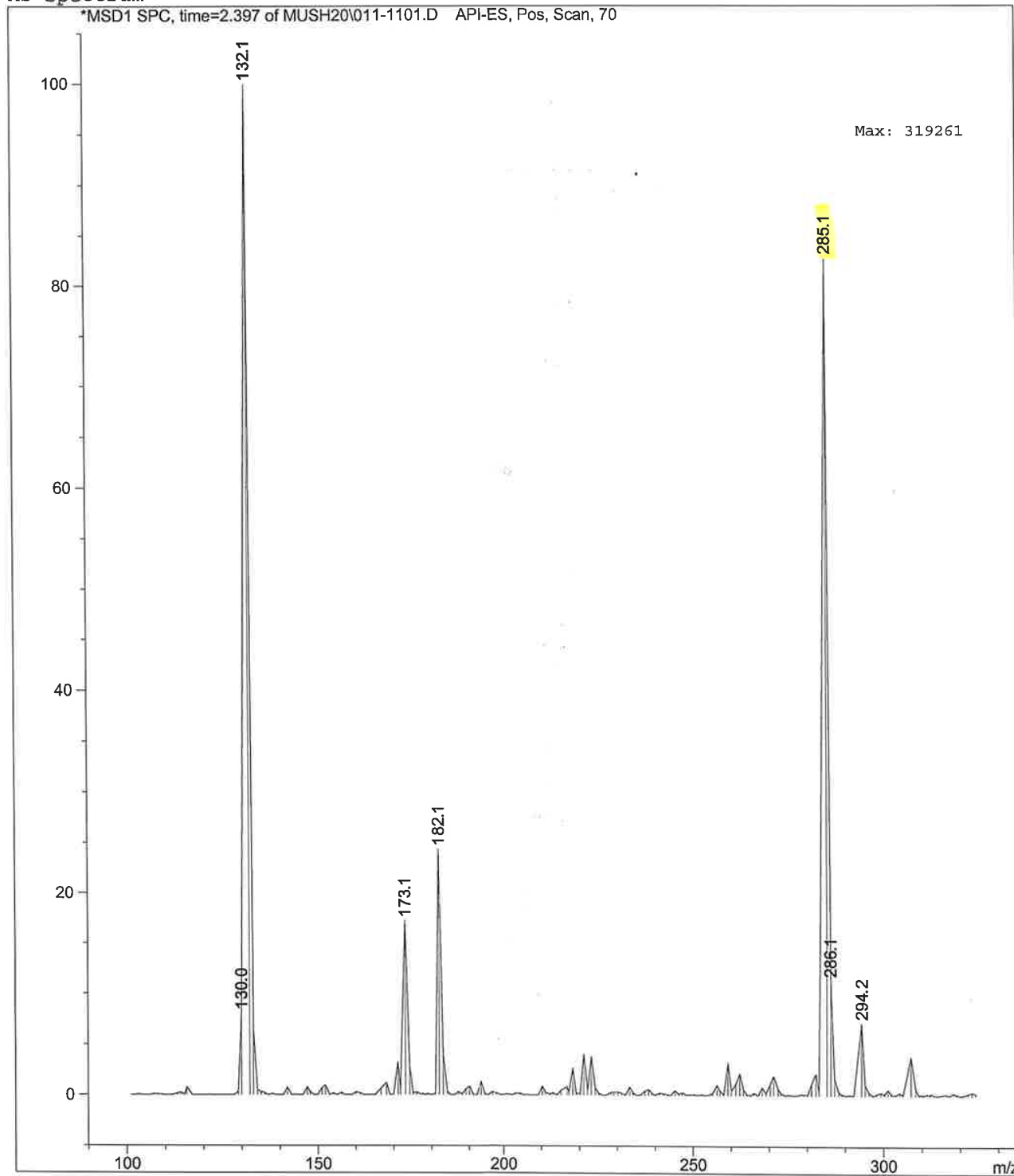
Injection Date	: 9/17/10 11:13:32 AM	Seq. Line	: 11
Sample Name	: 101-7930-01b	Location	: Vial 11
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

A Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
L changed : 9/17/10 11:13:34 AM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 1:21:48 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN

MS Spectrum





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MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: James Thomason
Murfreesboro P.D.
302 S. Church St.
Murfreesboro, TN 37130

DATE ISSUED: 7/27/10
LAB CASE NO: 101008415
COUNTY: Rutherford
AGENCY CASE NO: 109059

SUBJECT(S):
ANGELICA PAIGE RIDLEY

VICTIM(S):

Received From: Alvin Baird
Received By: Jessica Sammons
Date Received: 6/3/10
Time Received: 1:00 pm

EXHIBIT(S):
01-a Mushrooms
02-a Plant material

<u>RESULTS:</u>	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	Psilocyn	I	6.9 Gram(s)
	Psilocybin	I	
02-a	Marihuana	VI	26.9 Gram(s)

DISPOSITION:

All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,

Laura Leigh Cole
Special Agent / Forensic Scientist



OFFICIAL FORENSIC CHEMISTRY REPORT

LABORATORY CASE NO: 101008415

DATE ISSUED: 7/27/10

I certify and attest that this document is the proper record it purports to be.

Phil R Smith

Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



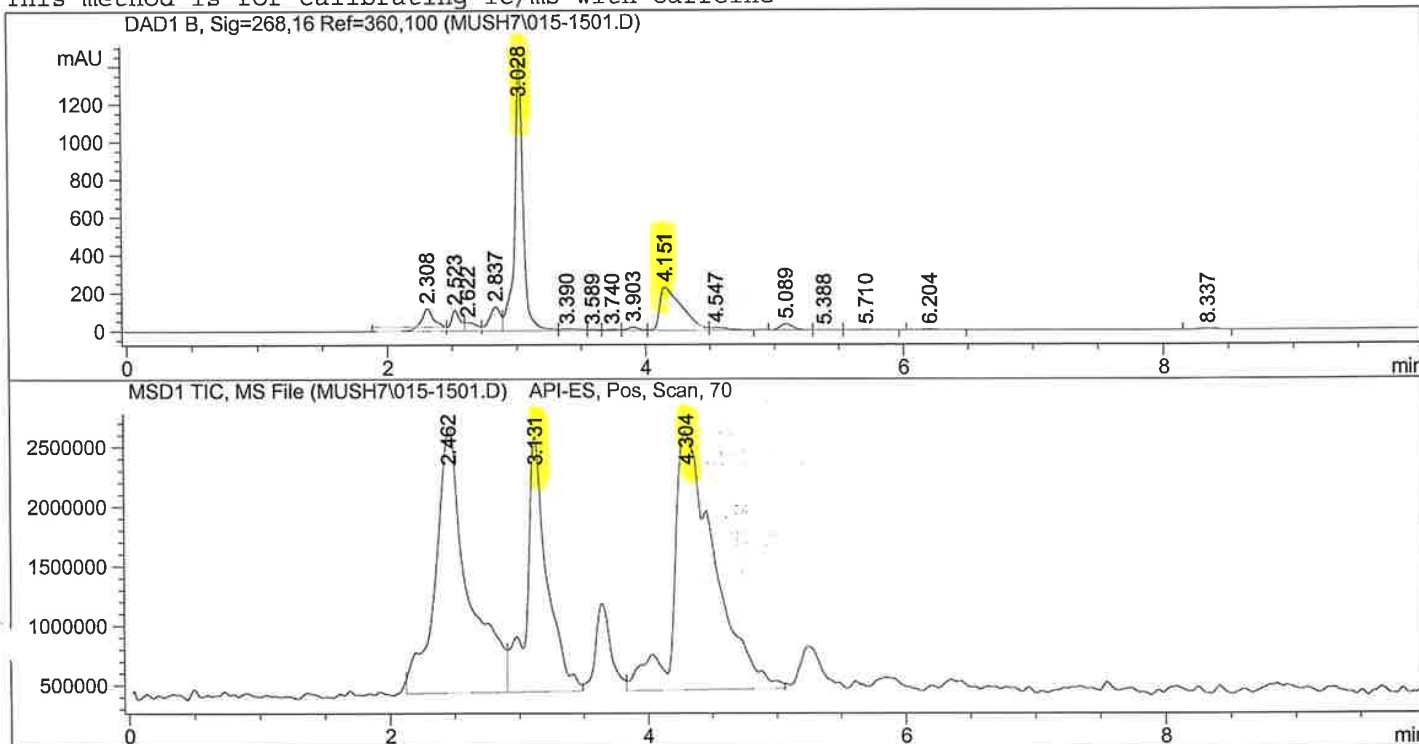
INTERNATIONALLY ACCREDITED SINCE 1994

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Injection Date	: 7/7/10 1:17:31 PM	Seq. Line	: 15
Sample Name	: 101-8115-1a H2O	Location	: Vial 15
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 7/7/10 1:16:58 PM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\CAFFEINE.M		
Last changed	: 5/27/10 9:55:12 PM by PATTI CHOATIE		
This method is for calibrating lc/ms with caffeine			

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PSILOCYBIN
&
PSILOCYN



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Area Percent Report
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Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

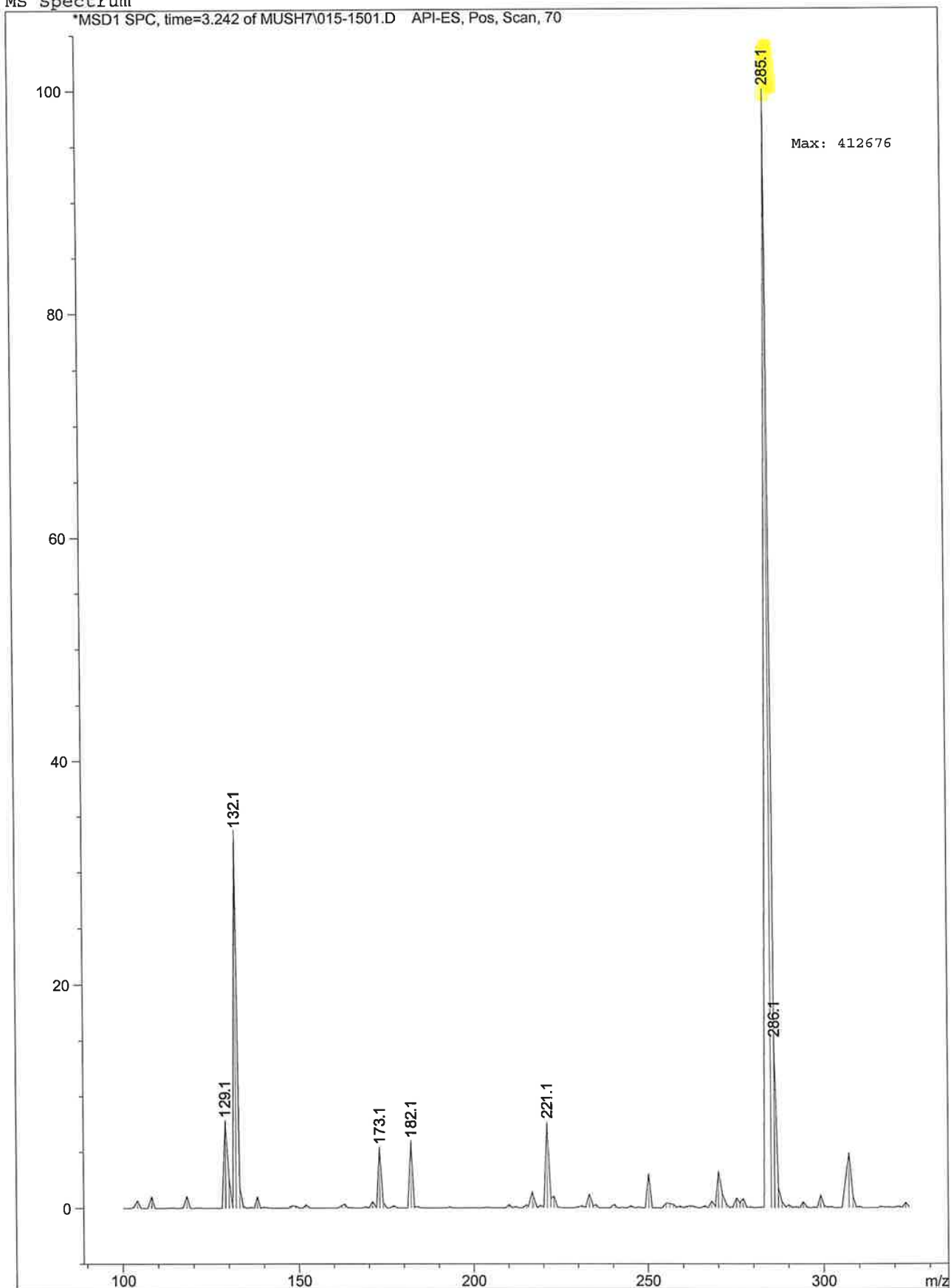
Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.308	BV	0.1090	929.08105	119.15582	7.3200
2	2.523	VV	0.0699	532.23199	111.00409	4.1934
3	2.622	VV	0.0958	288.65030	45.65044	2.2742
4	2.837	VV	0.0904	771.70325	127.88089	6.0801
5	3.028	VV	0.0672	6566.58252	1439.59277	51.7368
6	3.390	VV	0.1406	111.06399	10.23412	0.8751
7	3.589	VV	0.0855	39.26526	6.59095	0.3094
8	3.740	VV	0.1063	57.00718	7.70431	0.4491
9	3.903	VV	0.0915	117.88770	18.71586	0.9288
10	4.151	VV	0.1653	2727.60010	228.52350	21.4902
11	4.547	VB	0.1581	154.72964	14.54605	1.2191
12	5.089	BV	0.1068	242.12677	34.12829	1.9077
13	5.388	VV	0.1280	22.07761	2.42897	0.1739
14	5.710	VB	0.1266	30.40439	3.45758	0.2396

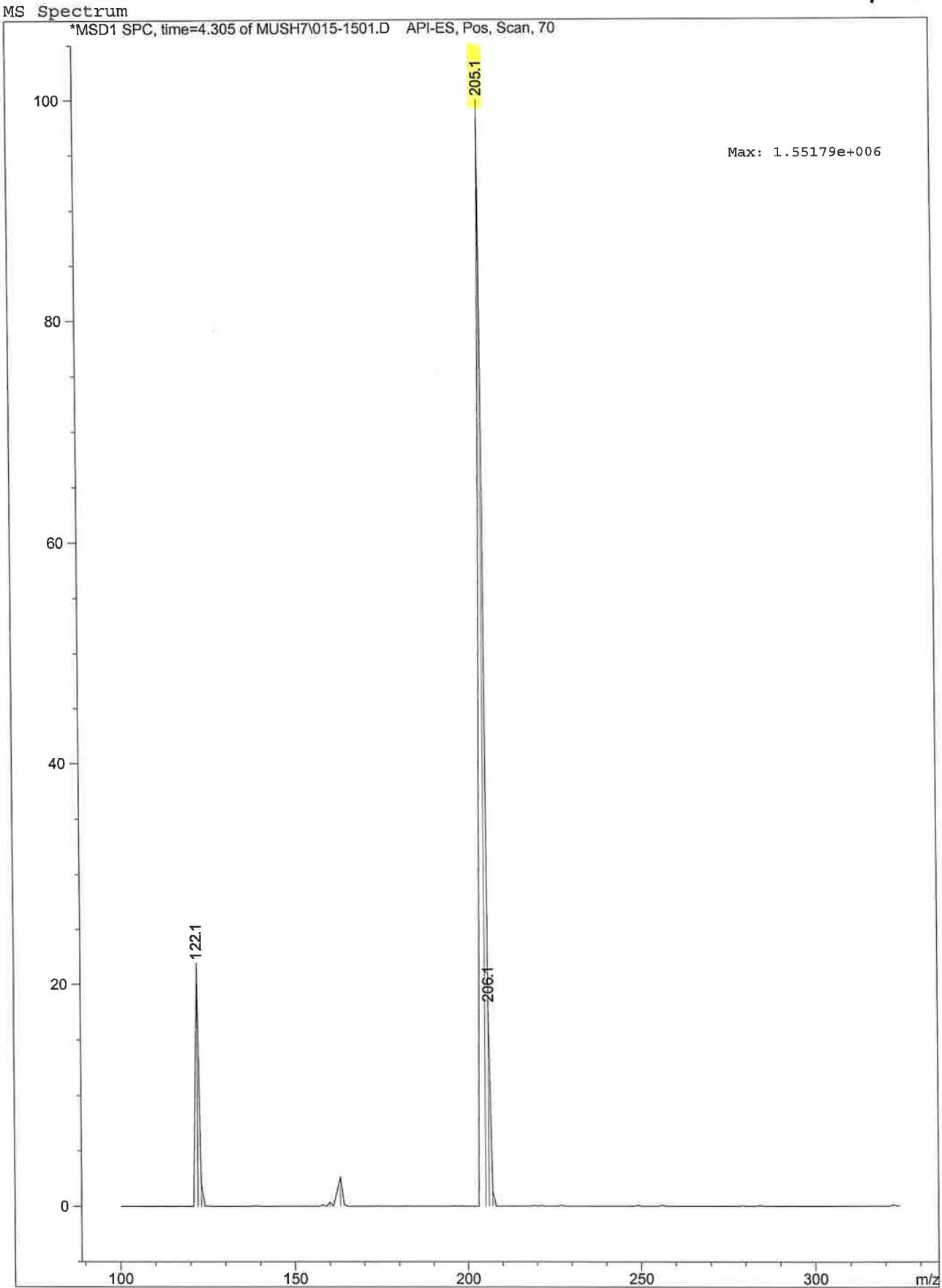
PSILOCYBIN

MS Spectrum

*MSD1 SPC, time=3.242 of MUSH7\015-1501.D API-ES, Pos, Scan, 70



PsilocyN

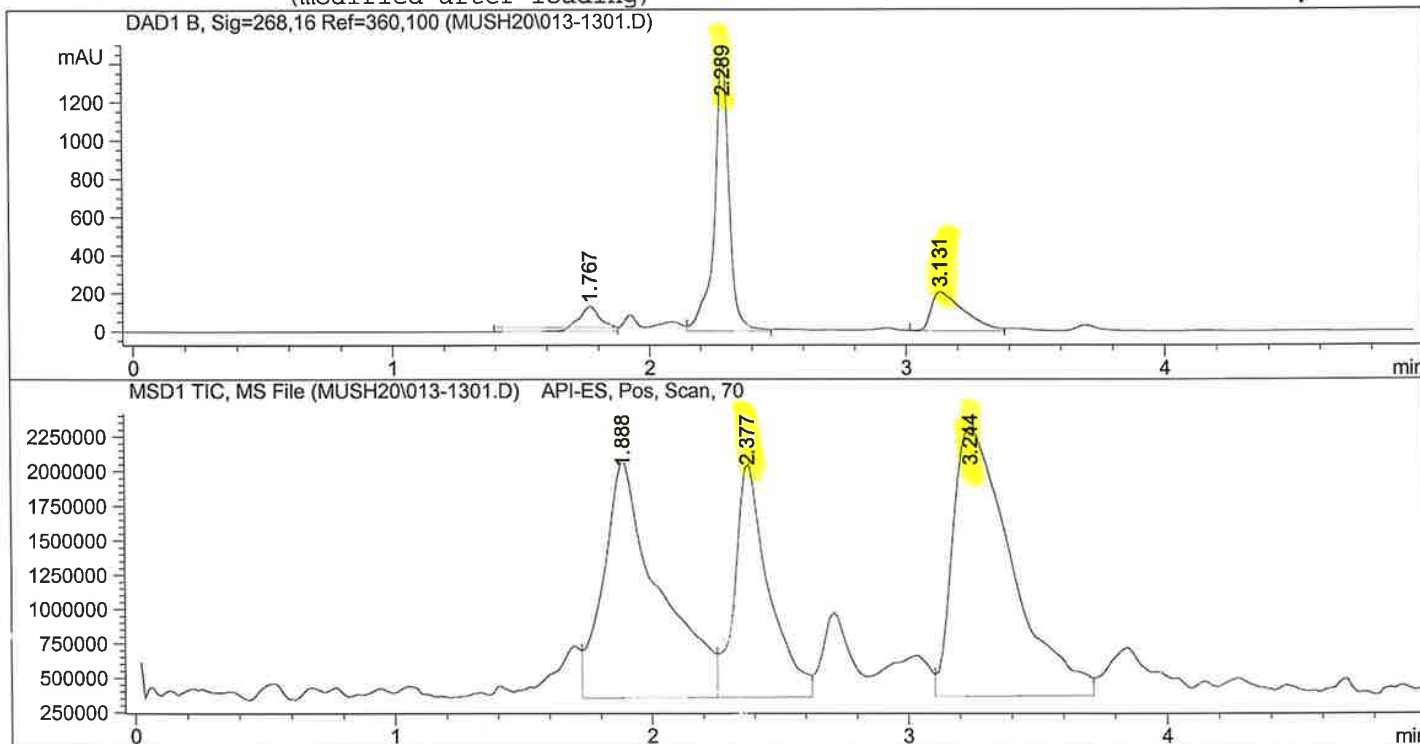


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Injection Date	: 9/17/10 11:26:22 AM	Seq. Line	: 13
Sample Name	: 101-8115-01a	Location	: Vial 13
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 11:26:26 AM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 1:21:48 PM by PATTI CHOATIE (modified after loading)		

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PSILOCYBIN
&
PSILOCYN



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Area Percent Report
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Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.767	BV	0.0878	834.68323	131.90837	9.8729
2	2.289	VV	0.0591	5805.80762	1439.38892	68.6731
3	3.131	VV	0.1294	1813.77844	204.73161	21.4540

Totals : 8454.26929 1776.02890

Signal 2: MSD1 TIC, MS File

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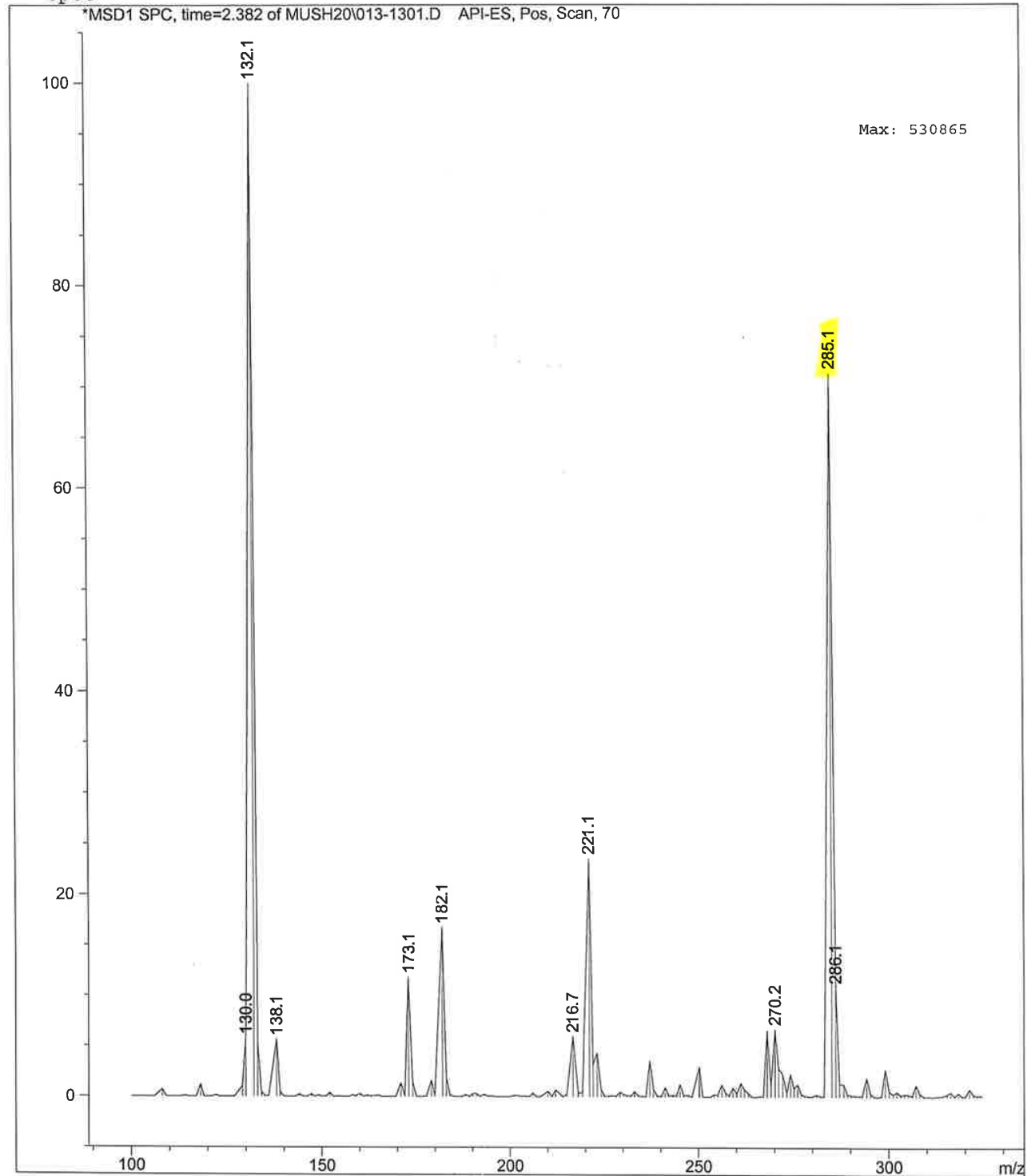
Injection Date	: 9/17/10 11:26:22 AM	Seq. Line	: 13
Sample Name	: 101-8415-01a	Location	: Vial 13
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 μ l

A Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
L changed : 9/17/10 11:26:26 AM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 1:21:48 PM by PATTI CHOATIE
(modified after loading)

PsilocyBIN

MS Spectrum



Print of window 79: MS Spectrum

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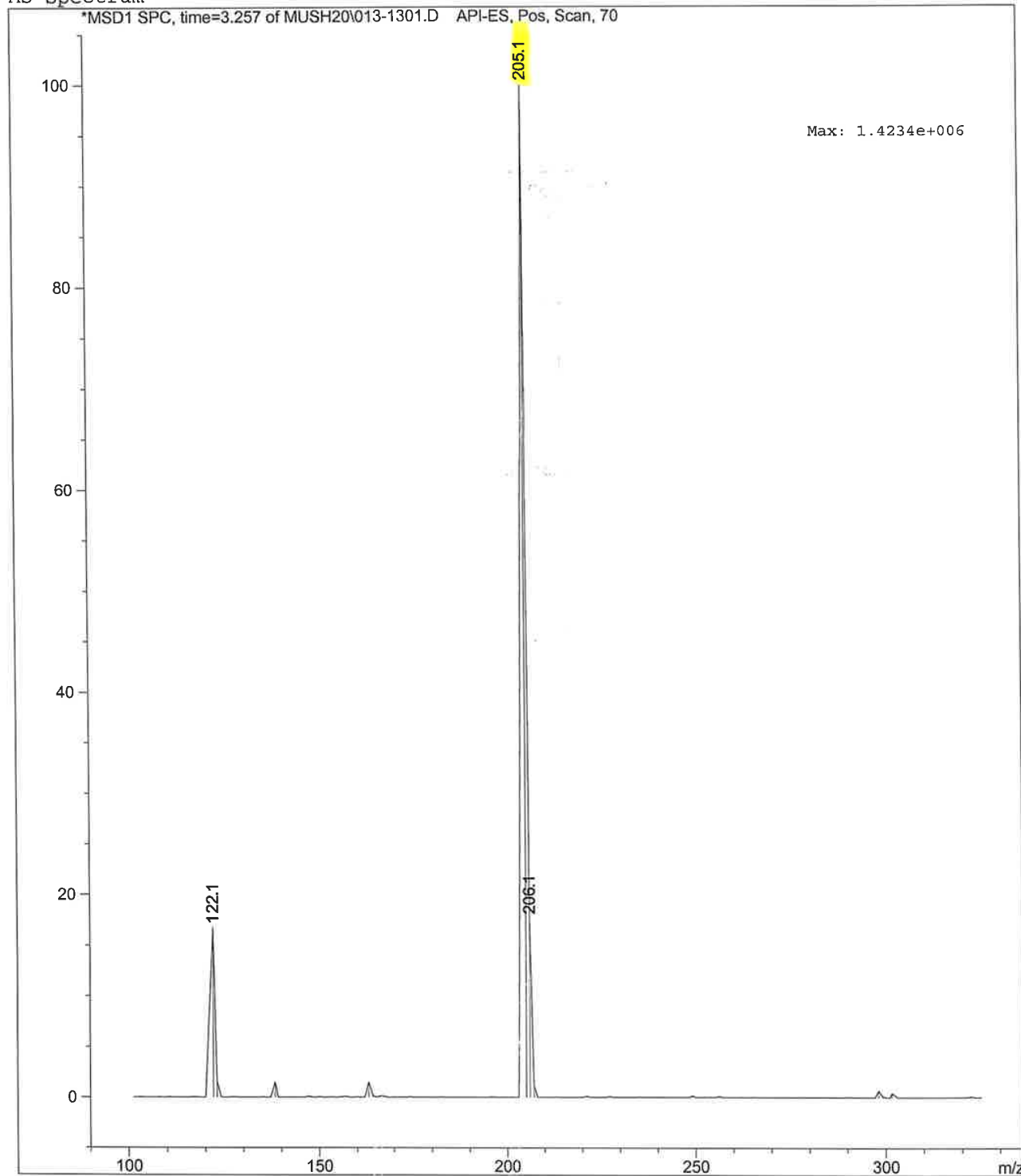
Injection Date	: 9/17/10 11:26:22 AM	Seq. Line	: 13
Sample Name	: 101-8415-01a	Location	: Vial 13
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

A Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
D changed : 9/17/10 11:26:26 AM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 1:21:48 PM by PATTI CHOATIE
(modified after loading)

Psilocyn

MS Spectrum





PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY
901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: James M. Davis
Rutherford Co. S.D.
940 New Salem Hwy.
Murfreesboro, TN 37129

DATE ISSUED: 8/20/10
LAB CASE NO: 101009142
COUNTY: Rutherford
AGENCY CASE NO: 10060930094

SUBJECT(S):

NICOLE M BENISCH
COREY D SKONBERG

VICTIM(S):

Received From: J. Martin
Received By: Jennifer Gillis
Date Received: 6/10/10
Time Received: 9:40 am

EXHIBIT(S):

01-a Mushrooms
02-a Capsules containing powder
03-a Crystalline substance
04-a 2.1 grams (1.5 mL) Liquid
05-a Dried plant material

RESULTS:

	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	Psilocybin	I	28.9 Gram(s)
	<i>No analysis was performed on additional mushrooms. The gross weight of the additional mushrooms is 51.1 grams. The total weight for all the mushrooms would not exceed 200 grams.</i>		
02-a	3,4-Methylenedioxymethamphetamine (MDMA)	I	59 Capsule(s)
03-a	Ketamine	III	1.0 Gram(s)
	<i>No analysis was performed on additional crystalline substance. The gross weight of this additional crystalline substance is 4.4 grams. The total weight for all the crystalline substance would not exceed 300 grams.</i>		
04-a	No controlled substances were detected.	-	-
05-a	Salvinorin A	-	2.0 Gram(s)



OFFICIAL FORENSIC CHEMISTRY REPORT

LABORATORY CASE NO: 101009142

DATE ISSUED: 8/20/10

Other submitted items were not analyzed.

DISPOSITION:

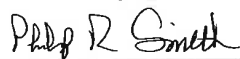
All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,



Laura Leigh Cole
Special Agent / Forensic Scientist

I certify and attest that this document is the proper record it purports to be.



Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



INTERNATIONALLY ACCREDITED SINCE 1994

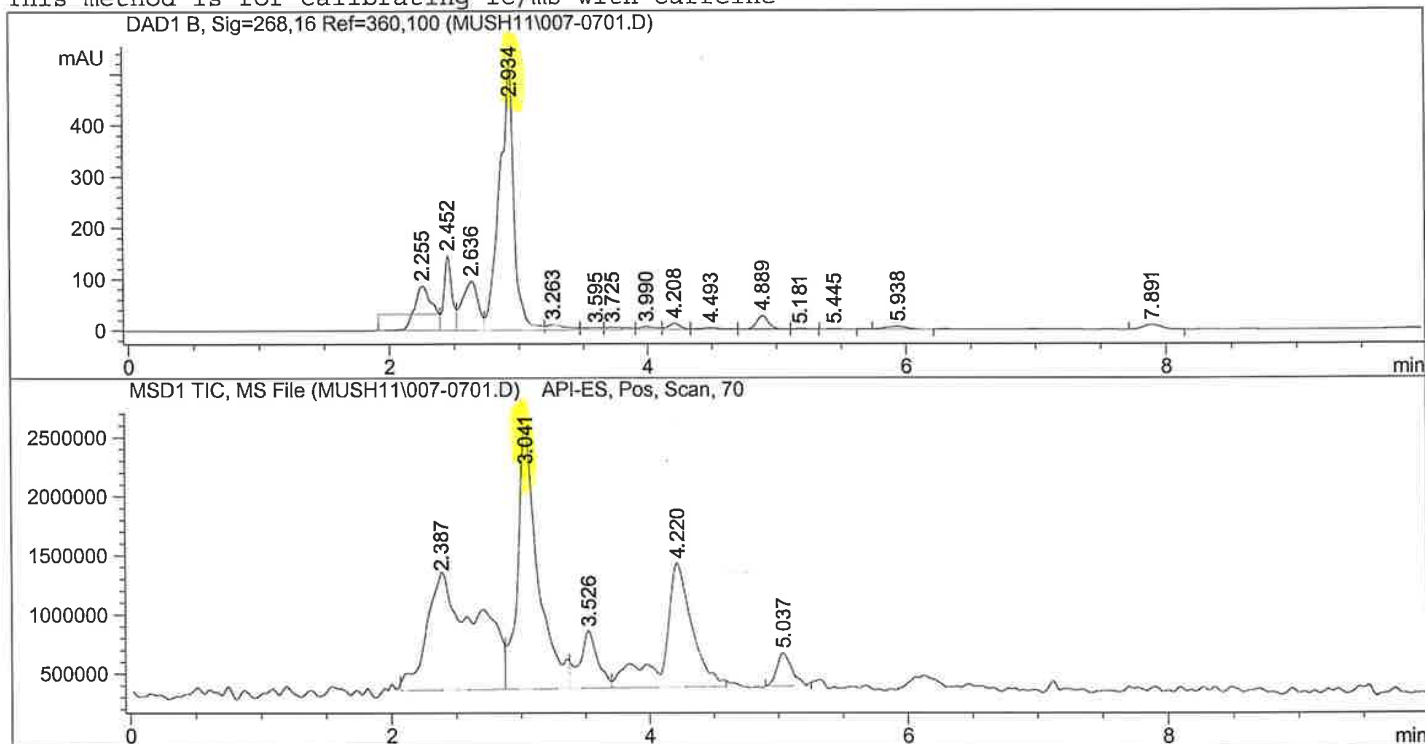
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Injection Date	: 8/25/10 11:23:21 AM	Seq. Line	: 7
Sample Name	: 1019142-1a H2O	Location	: Vial 7
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

=====

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 8/24/10 1:06:08 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\CAFFEINE.M
Last changed : 8/26/10 10:20:11 AM by PATTI CHOATIE
(modified after loading)

This method is for calibrating lc/ms with caffeine



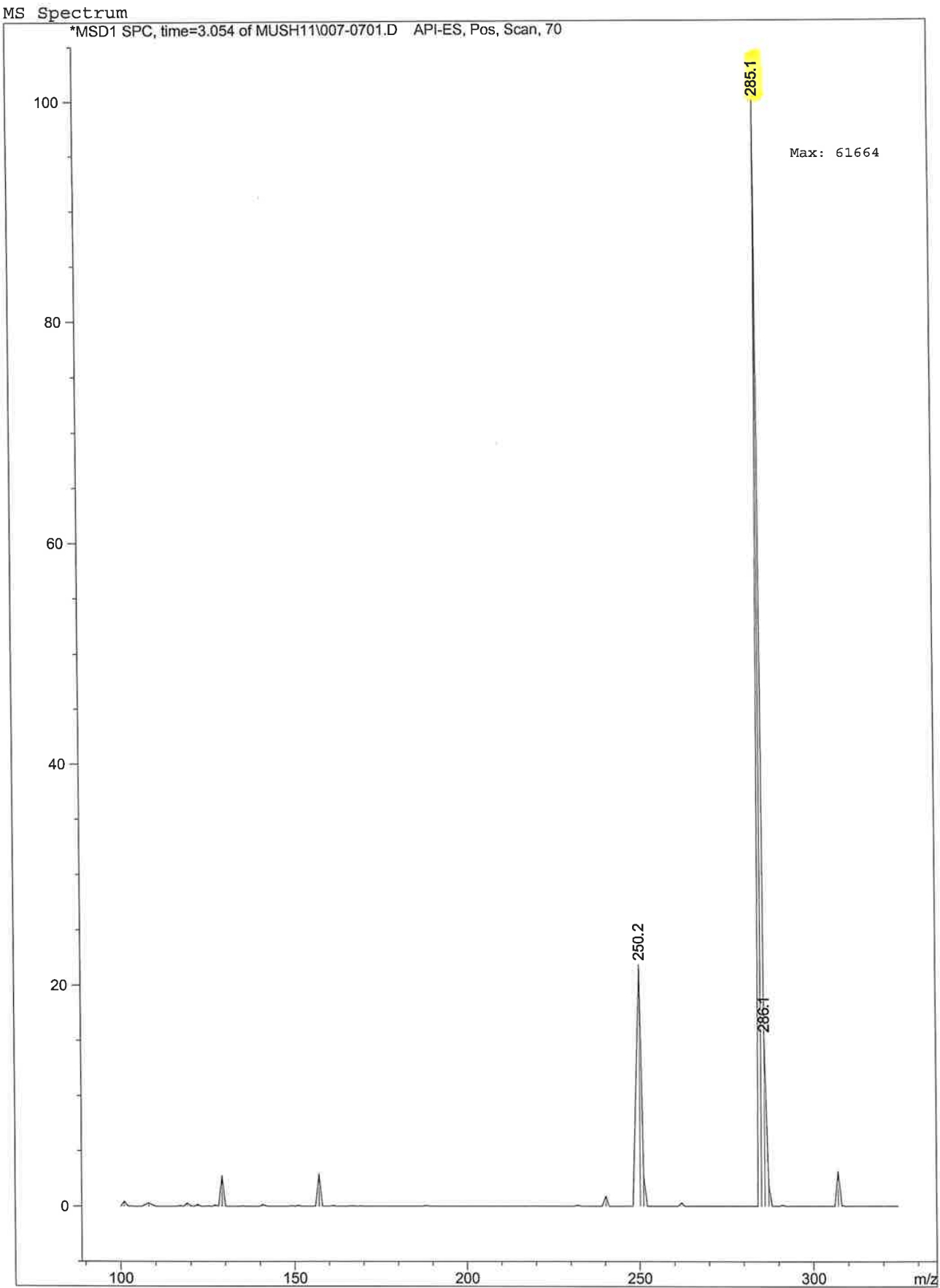
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Area Percent Report
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Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.255	BV	0.1377	843.26459	86.52004	11.8628
2	2.452	VV	0.0616	619.71179	145.79568	8.7179
3	2.636	VV	0.1339	816.67615	95.34661	11.4888
4	2.934	VV	0.1012	4042.18384	528.45984	56.8643
5	3.263	VV	0.1486	113.47790	10.79591	1.5964
6	3.595	VV	0.1334	44.09121	4.38159	0.6203
7	3.725	VV	0.1556	59.87433	5.00536	0.8423
8	3.990	VV	0.1189	55.03922	6.36117	0.7743
9	4.208	VV	0.0985	83.81033	12.46238	1.1790
10	4.493	VV	0.1822	51.47652	3.74766	0.7242
11	4.889	VB	0.1056	189.48047	27.07451	2.6656
12	5.181	BB	0.1257	18.00463	2.02519	0.2533
13	5.445	BB	0.1719	19.19706	1.53458	0.2701
14	5.938	BB	0.1645	66.88343	5.71184	0.9409

PSILOCYBIN

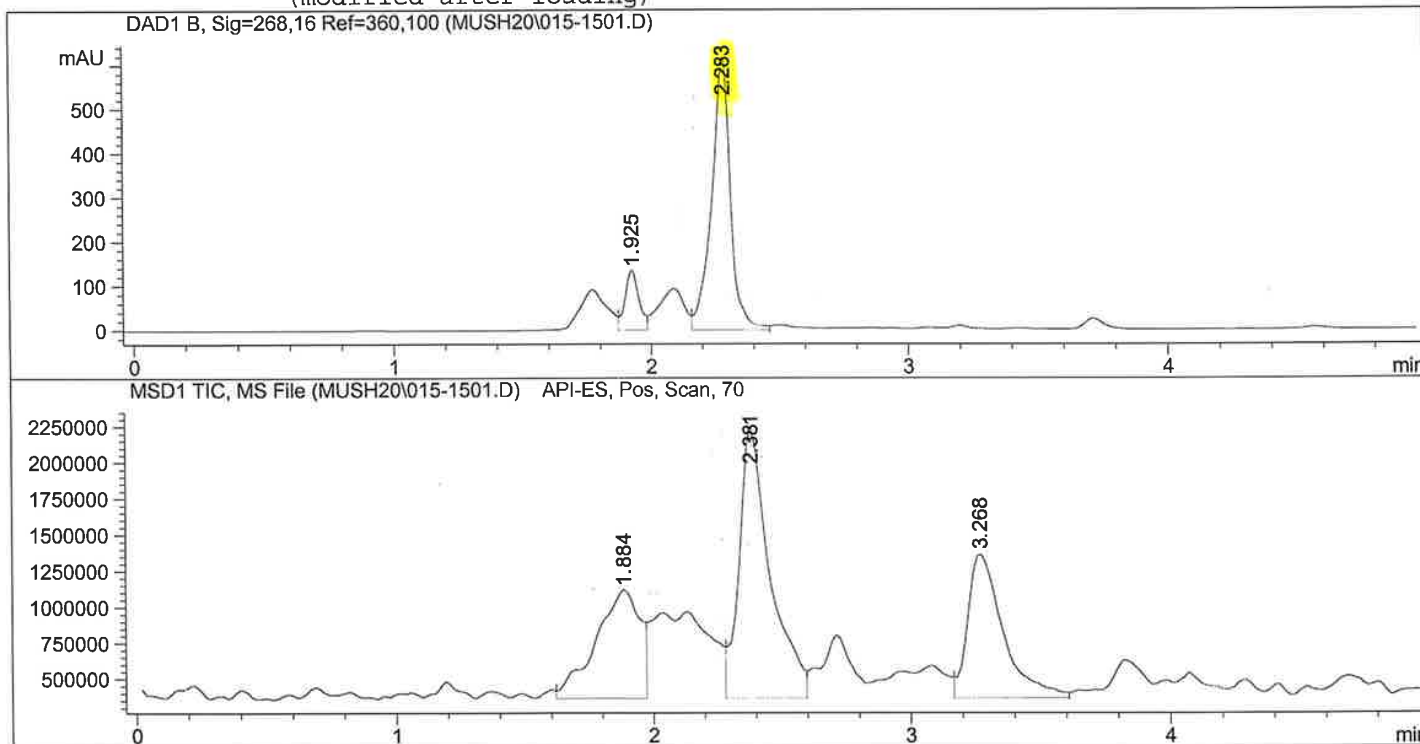


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Injection Date	: 9/17/10 11:39:15 AM	Seq. Line	: 15
Sample Name	: 101-9142-01a	Location	: Vial 15
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 11:39:18 AM by PATTI CHOATIE
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 1:21:48 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN



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Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.925	VV	0.0557	509.17990	135.82892	13.9782
2	2.283	VV	0.0730	3133.50220	619.99414	86.0218

Totals : 3642.68210 755.82306

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	1.884	VV	0.1595	9.16034e6	7.59459e5	26.6108
2	2.381	VV	0.1204	1.57128e7	1.89065e6	45.6457

Print of window 79: MS Spectrum

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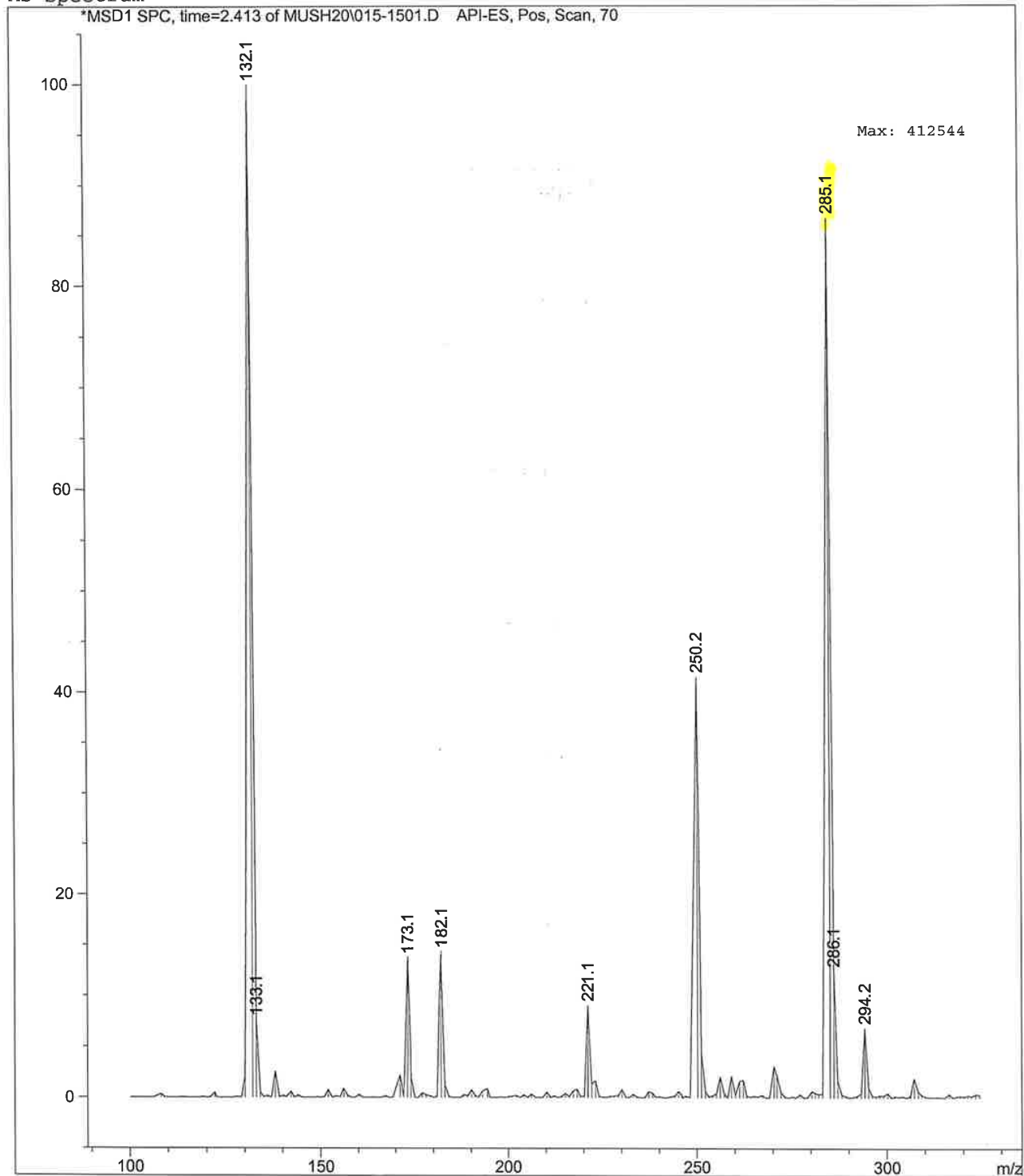
Injection Date	: 9/17/10 11:39:15 AM	Seq. Line	: 15
Sample Name	: 101-9142-01a	Location	: Vial 15
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 μ l

A Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
L changed : 9/17/10 11:39:18 AM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/17/10 1:21:48 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN

MS Spectrum





PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY
901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: David Hacker
Metro Nashville P.D.
200 James Robertson Pkwy.
Nashville, TN 37201

DATE ISSUED: 7/13/10
LAB CASE NO: 101009317
COUNTY: Davidson
AGENCY CASE NO: 10044116

SUBJECT(S):
MICHAEL CRADDOCK

VICTIM(S):

Received From: Isaac Martinez
Received By: Susan Clark
Date Received: 6/15/10
Time Received: 9:20 am

EXHIBIT(S):

01-a Tablet fragment
01-b Powder
01-c Mushrooms

<u>RESULTS:</u>	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	Alprazolam	IV	0.5 Tablet(s)
01-b	3,4-Methylenedioxymethamphetamine (MDMA)	I	Residue
01-c	Psilocyn	I	0.4 Gram(s)

DISPOSITION:

All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,

John Scott, Jr.

John Scott
Special Agent / Forensic Scientist



INTERNATIONALLY ACCREDITED SINCE 1994

OFFICIAL FORENSIC CHEMISTRY REPORT

LABORATORY CASE NO: 101009317

DATE ISSUED: 7/13/10

I certify and attest that this document is the proper record it purports to be.

Phyllis R. Smith

Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



INTERNATIONALLY ACCREDITED SINCE 1994

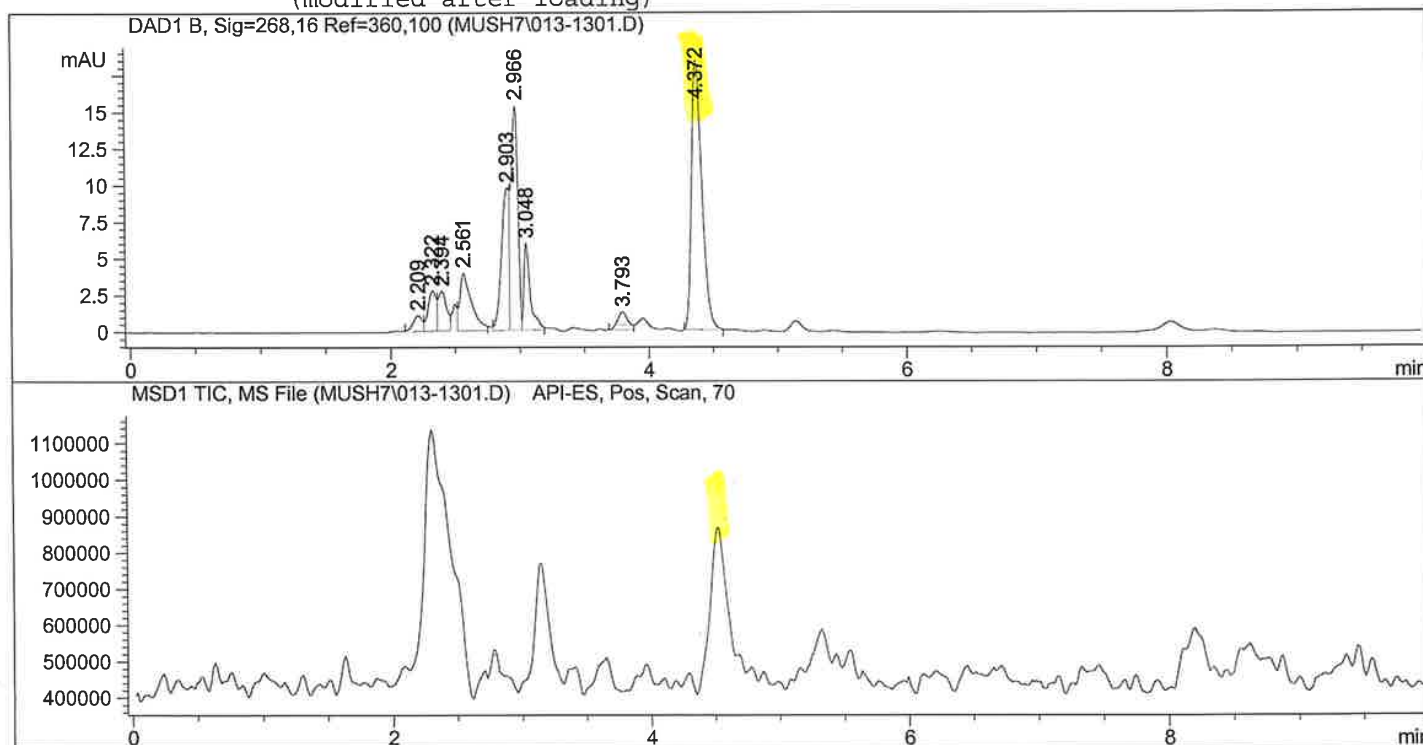
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Injection Date	: 7/7/10 12:54:37 PM	Seq. Line	: 13
Sample Name	: 101-9317-1c H2O	Location	: Vial 13
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

=====

PSILOCYN

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRM.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 7/7/10 12:54:03 PM by PATTI CHOATIE
(modified after loading)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

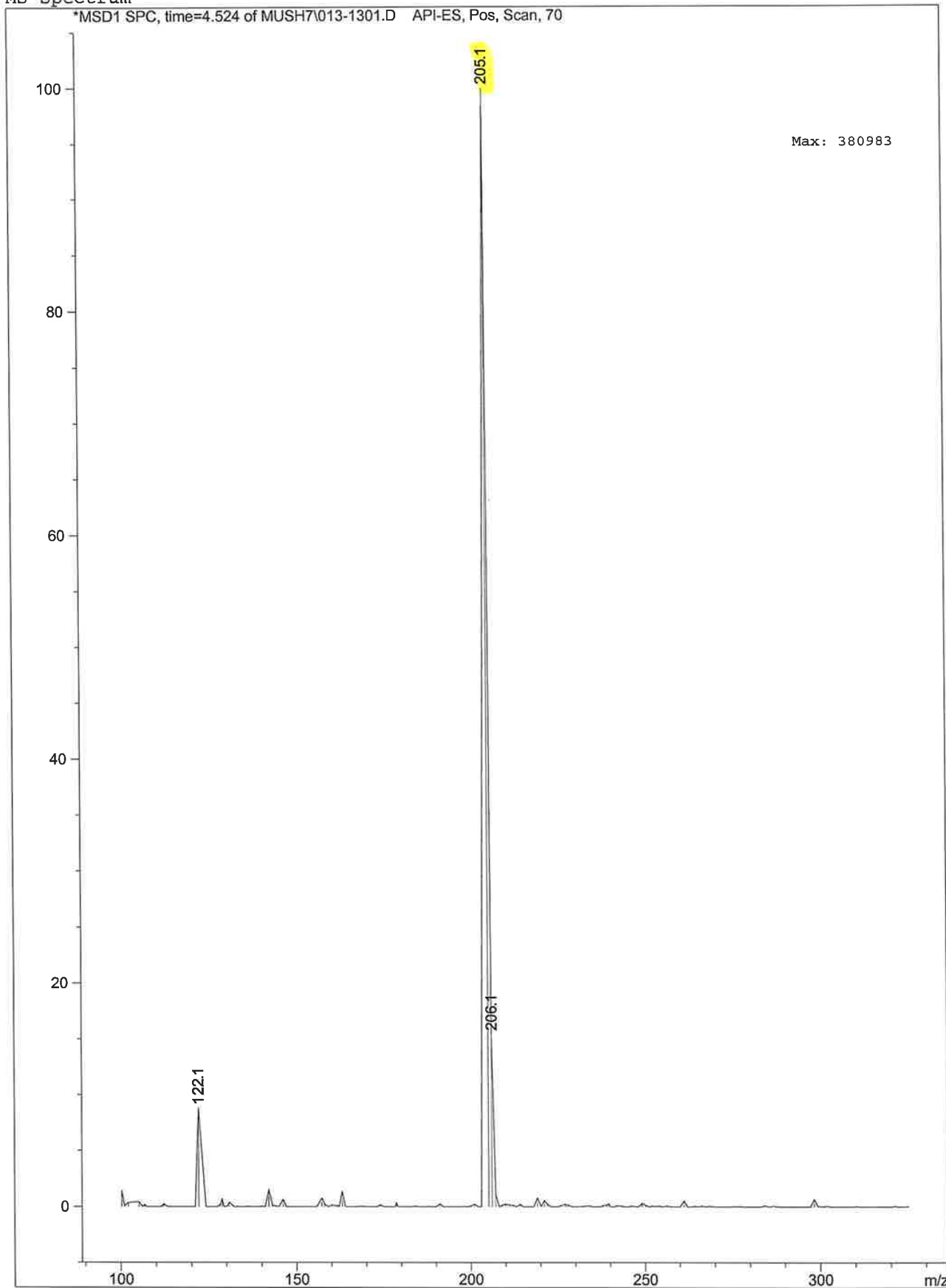
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.209	BV	0.0751	5.27944	1.07911	1.8817
2	2.322	VV	0.0654	12.16455	2.75957	4.3356
3	2.394	VV	0.0652	12.39327	2.71598	4.4171
4	2.561	VB	0.0849	24.53660	3.92626	8.7452
5	2.903	BV	0.0628	39.06999	9.73937	13.9251
6	2.966	VV	0.0555	57.08336	15.31807	20.3454
7	3.048	VB	0.0499	20.28550	5.93355	7.2301
8	3.793	PV	0.0836	6.99254	1.24268	2.4922
9	4.372	BB	0.0852	102.76649	18.37554	36.6275

Totals : 280.57173 61.09012

Psilocyn

MS Spectrum

*MSD1 SPC, time=4.524 of MUSH7\013-1301.D API-ES, Pos, Scan, 70





PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY
901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: Michael Loftis
THP - Cookeville, Dist. 6
P.O. Box 826
Cookeville, TN 38501

DATE ISSUED: 8/2/10
LAB CASE NO: 101010265
COUNTY: Putnam
AGENCY CASE NO: 610017721

SUBJECT(S):

JACOB PENNINGTON
WESLEY PUCKETT

VICTIM(S):

Received From: Kerry Ragland
Received By: Susan Clark
Date Received: 6/29/10
Time Received: 9:40 am

EXHIBIT(S):

01-a Plant material
02-a Plant material
03-a White tablets
03-b Capsules
03-c Off-white powder
03-d Off-white powder
04-a Liquid 2.7mL
04-b Liquid 20.3mL
04-c Small amount of liquid
04-d 19 White tablets
05-a Mushrooms

RESULTS:

	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	Marihuana	VI	16.1 Gram(s)
	<i>No analysis was performed on additional plant material. The gross weight of this additional plant material is 29.3 grams. The total weight for all the plant material would not exceed 10.0 pounds.</i>		
02-a	Marihuana	VI	95.7 Gram(s)
	<i>No analysis was performed on additional plant material. The gross weight of this additional plant material is 130.2 grams. The total weight for all the plant material would not exceed 10.0 pounds.</i>		



OFFICIAL FORENSIC CHEMISTRY REPORT

LABORATORY CASE NO: 101010265

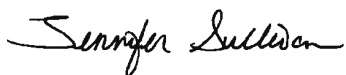
DATE ISSUED: 8/2/10

03-a	Methylphenidate	II	4 Tablet(s)
03-b	3,4-Methylenedioxymethamphetamine (MDMA)	I	6 Capsule(s)
03-c	3,4-Methylenedioxymethamphetamine (MDMA)	I	39.1 Gram(s)
03-d	3,4-Methylenedioxymethamphetamine (MDMA)	I	1.0 Gram(s)
04-a	Lysergic acid diethylamide (LSD)	I	2.5 Gram(s)
04-b	No controlled substances were detected.	-	17.5 Gram(s)
04-c	Lysergic acid diethylamide (LSD)	I	-
04-d	No controlled substances were detected.	-	14.3 Gram(s)
05-a	Psilocybin	I	4.2 Gram(s)
	Psilocyn	I	

DISPOSITION:

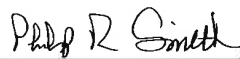
All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,



Jennifer Sullivan
Special Agent / Forensic Scientist

I certify and attest that this document is the proper record it purports to be.



Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



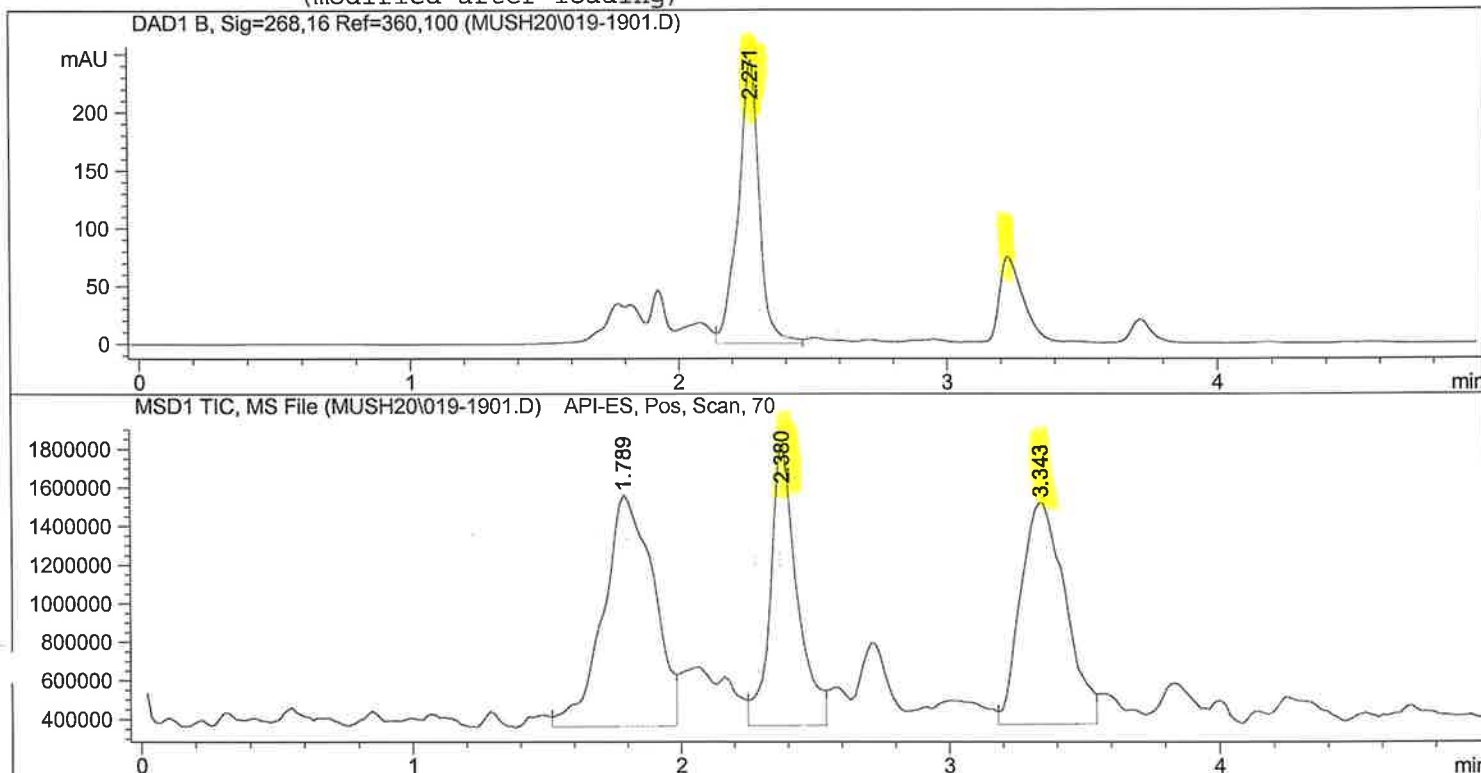
INTERNATIONALLY ACCREDITED SINCE 1994

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Injection Date	: 9/17/10 12:04:57 PM	Seq. Line	: 19
Sample Name	: 101-10263-03a	Location	: Vial 19
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 12:05:00 PM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 1:28:13 PM by PATTI CHOATIE (modified after loading)		

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PSILOCYBIN
&
PSILOCYN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.271	VV	0.0816	1337.13354	245.22987	100.0000

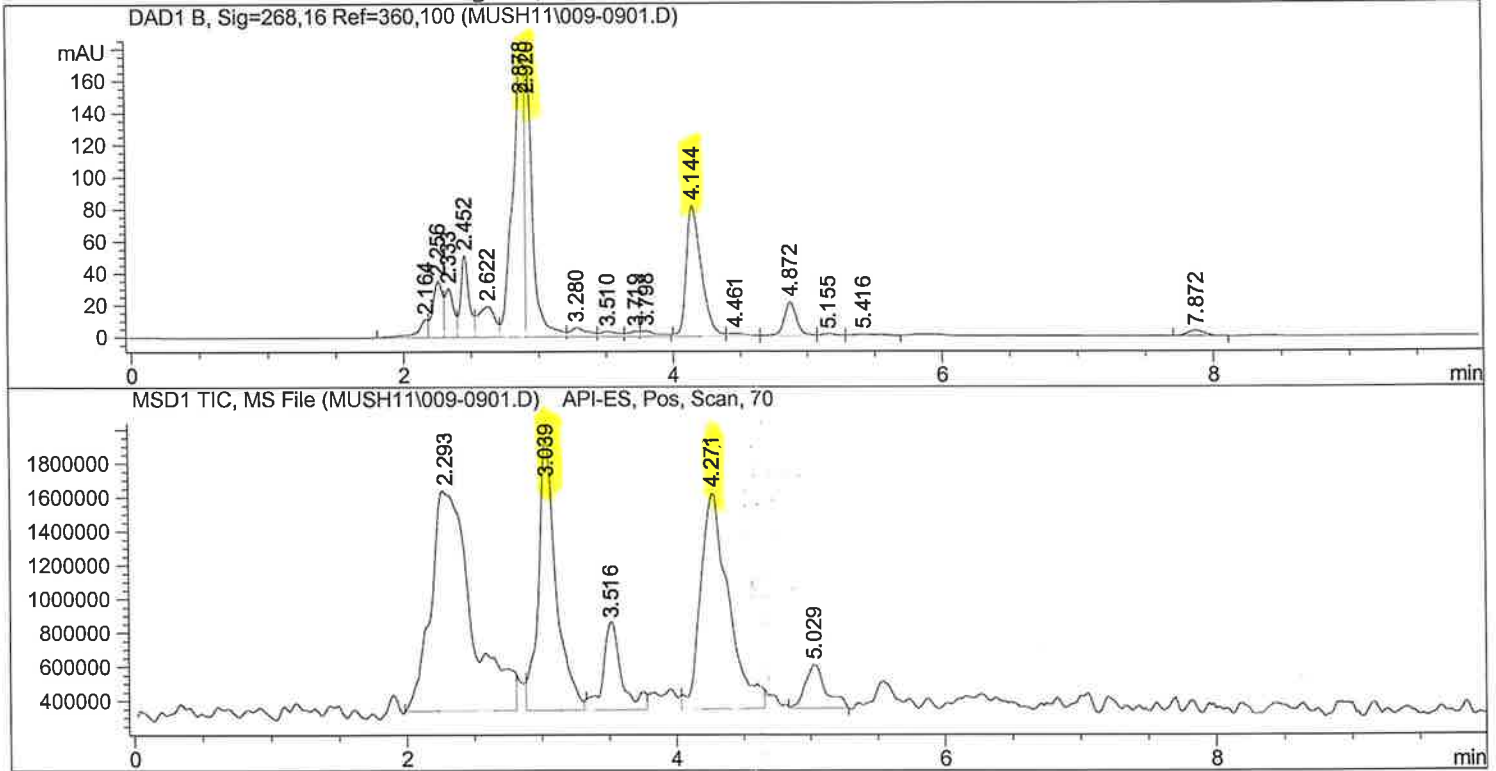
Totals : 1337.13354 245.22987

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	1.789	VV	0.1699	1.55425e7	1.19986e6	40.0651
2	2.380	VV	0.0992	1.00818e7	1.46177e6	25.9885
3	3.343	VV	0.1809	1.31689e7	1.14653e6	33.9464

Injection Date : 8/25/10 11:46:13 AM Seq. Line : 9
Sample Name : 10101026 3a H2O Location : Vial 9
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 8/24/10 1:06:08 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\CAFFEINE.M
Last changed : 8/26/10 10:20:11 AM by PATTI CHOATIE
(modified after loading)

This method is for calibrating lc/ms with caffeine



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

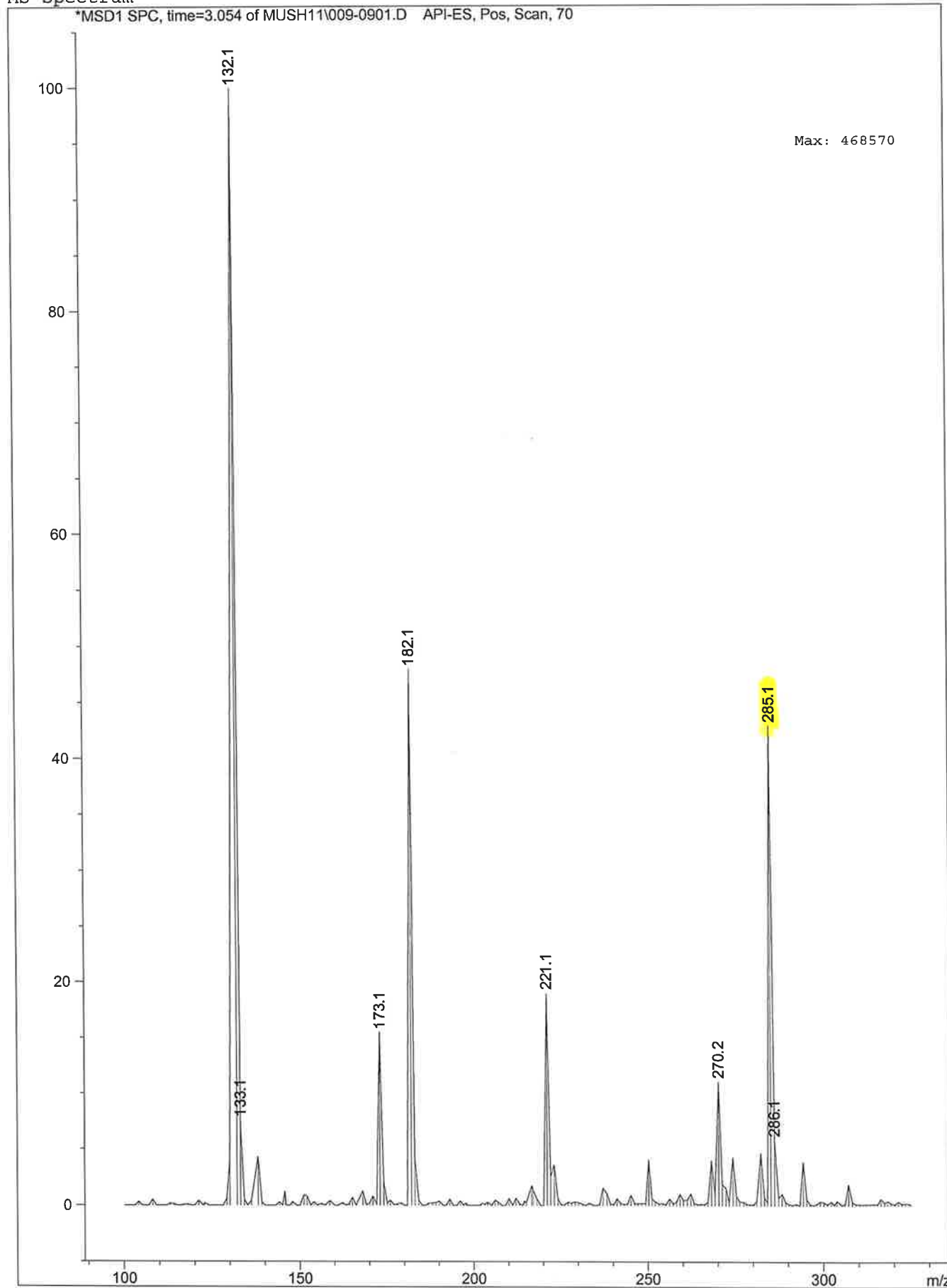
Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.164	BV	0.0759	62.41309	11.39473	1.8033
2	2.256	VV	0.0745	177.01672	35.31513	5.1147
3	2.333	VV	0.0662	137.44812	30.69279	3.9714
4	2.452	VV	0.0640	219.85680	51.35056	6.3525
5	2.622	VV	0.1282	165.75987	19.30297	4.7894
6	2.878	VV	0.0804	1033.88525	176.44417	29.8727
7	2.920	VV	0.0662	670.83008	168.93965	19.3827
8	3.280	VV	0.1259	51.99227	5.72962	1.5022
9	3.510	VV	0.1339	31.43420	3.33688	0.9082
10	3.719	VV	0.0816	19.90066	3.43216	0.5750
11	3.798	VB	0.1138	30.16447	3.67183	0.8716
12	4.144	BV	0.1171	637.46851	81.61752	18.4188
13	4.461	VV	0.1476	18.61809	1.81658	0.5379
14	4.872	VV	0.1003	142.40907	21.20885	4.1147

PSILOCYBIN

MS Spectrum

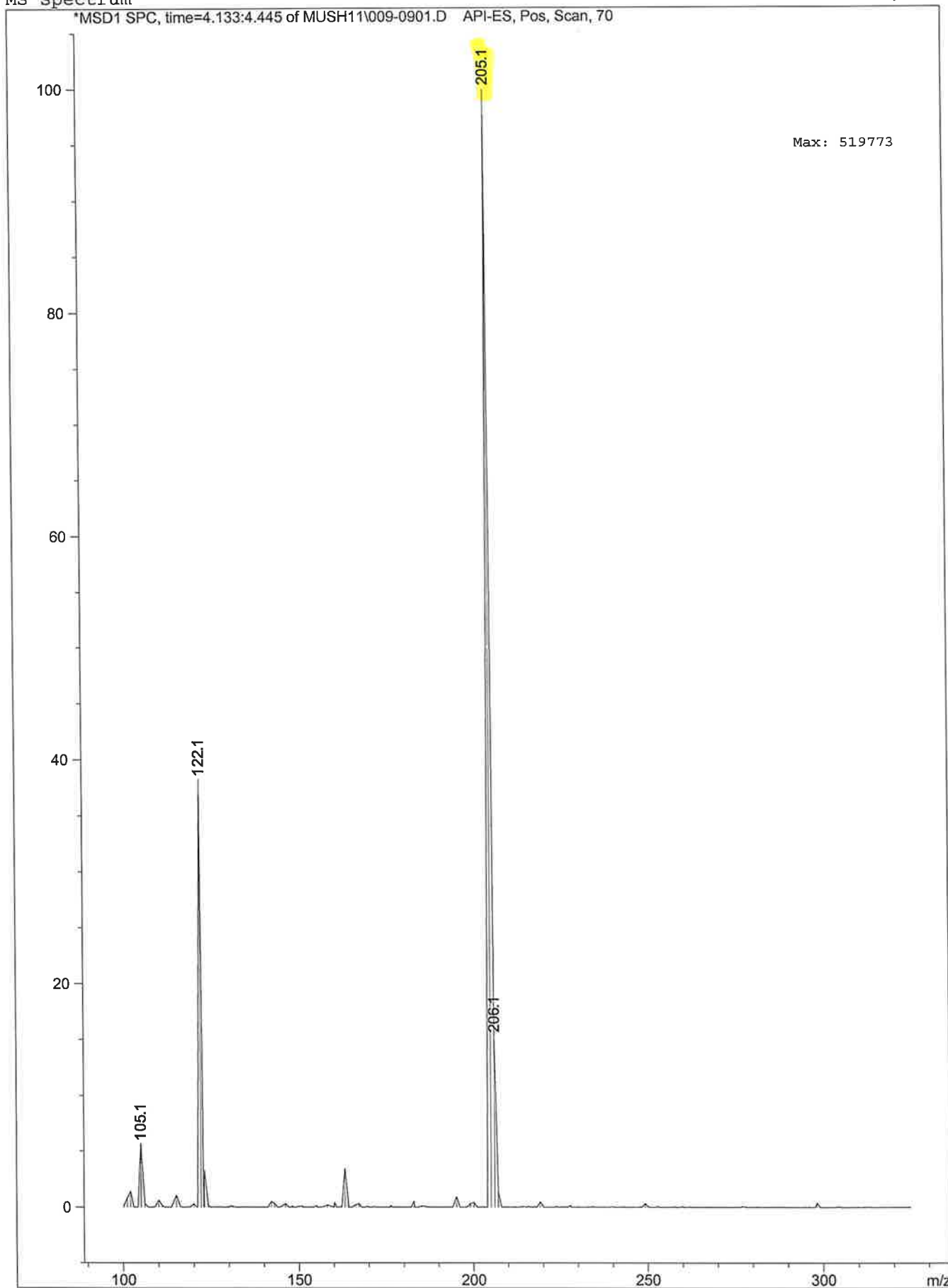
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PSILOCYN

MS Spectrum

*MSD1 SPC, time=4.133:4.445 of MUSH11\009-0901.D API-ES, Pos, Scan, 70



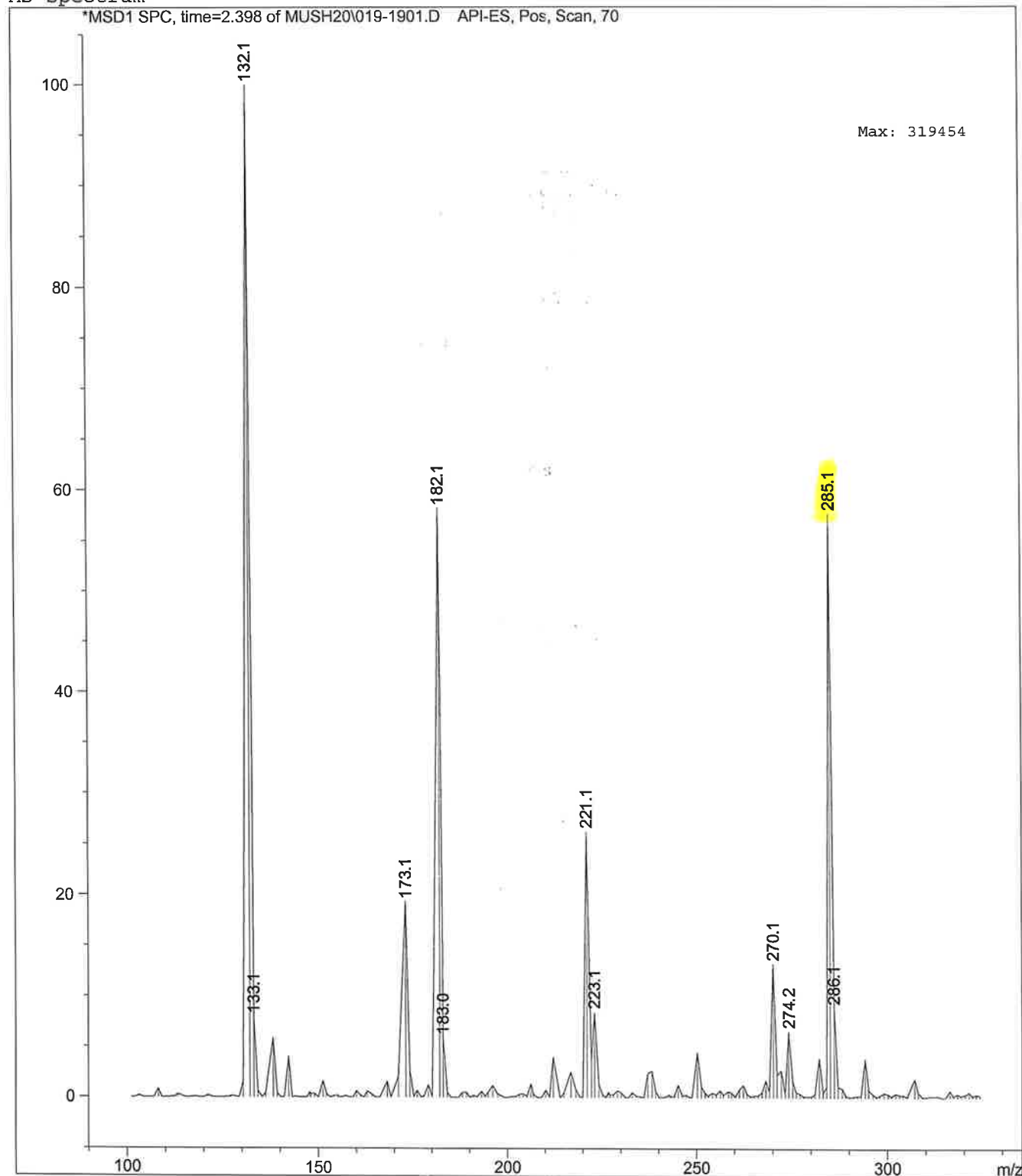
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Injection Date	: 9/17/10 12:04:57 PM	Seq. Line	: 19
Sample Name	: 101-10265-034	Location	: Vial 19
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 9/17/10 12:05:00 PM by PATTI CHOATIE
 (modified after loading)
 Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 9/17/10 1:28:13 PM by PATTI CHOATIE
 (modified after loading)

PSILOCYBIN

MS Spectrum



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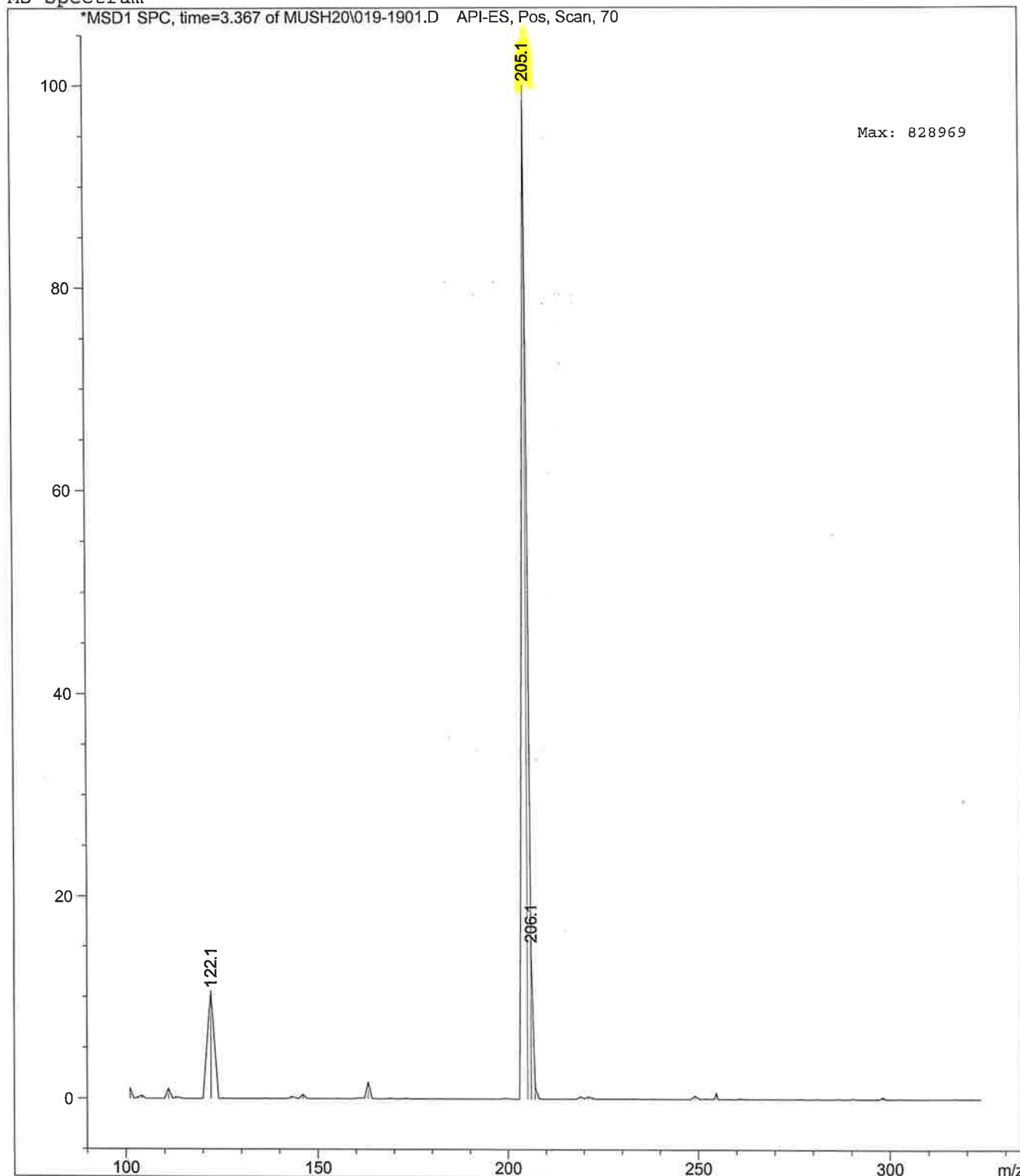
Injection Date	: 9/17/10 12:04:57 PM	Seq. Line	: 19
Sample Name	: 101-10265-03a	Location	: Vial 19
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Ac Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 L changed : 9/17/10 12:05:00 PM by PATTI CHOATIE
 (modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 9/17/10 1:28:13 PM by PATTI CHOATIE
 (modified after loading)

Psilocyn

MS Spectrum





PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY
901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: Michael Loftis
THP - Cookeville, Dist. 6
P.O. Box 826
Cookeville, TN 38501

DATE ISSUED: 8/2/10
LAB CASE NO: 101010268
COUNTY: Putnam
AGENCY CASE NO: 610017183

SUBJECT(S):
CORY RANDELL

VICTIM(S):

Received From: Kerry Ragland
Received By: Susan Clark
Date Received: 6/29/10
Time Received: 9:40 am

EXHIBIT(S):

01-a Plant material
02-a Mushrooms

<u>RESULTS:</u>	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	Marihuana	VI	11.8 Gram(s)
02-a	Psilocybin	I	1.7 Gram(s)
	Psilocyn	I	

DISPOSITION:

All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,

Jennifer Sullivan

Jennifer Sullivan
Special Agent / Forensic Scientist



OFFICIAL FORENSIC CHEMISTRY REPORT

LABORATORY CASE NO: 101010268

DATE ISSUED: 8/2/10

I certify and attest that this document is the proper record it purports to be.

Philip R. Smith

Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



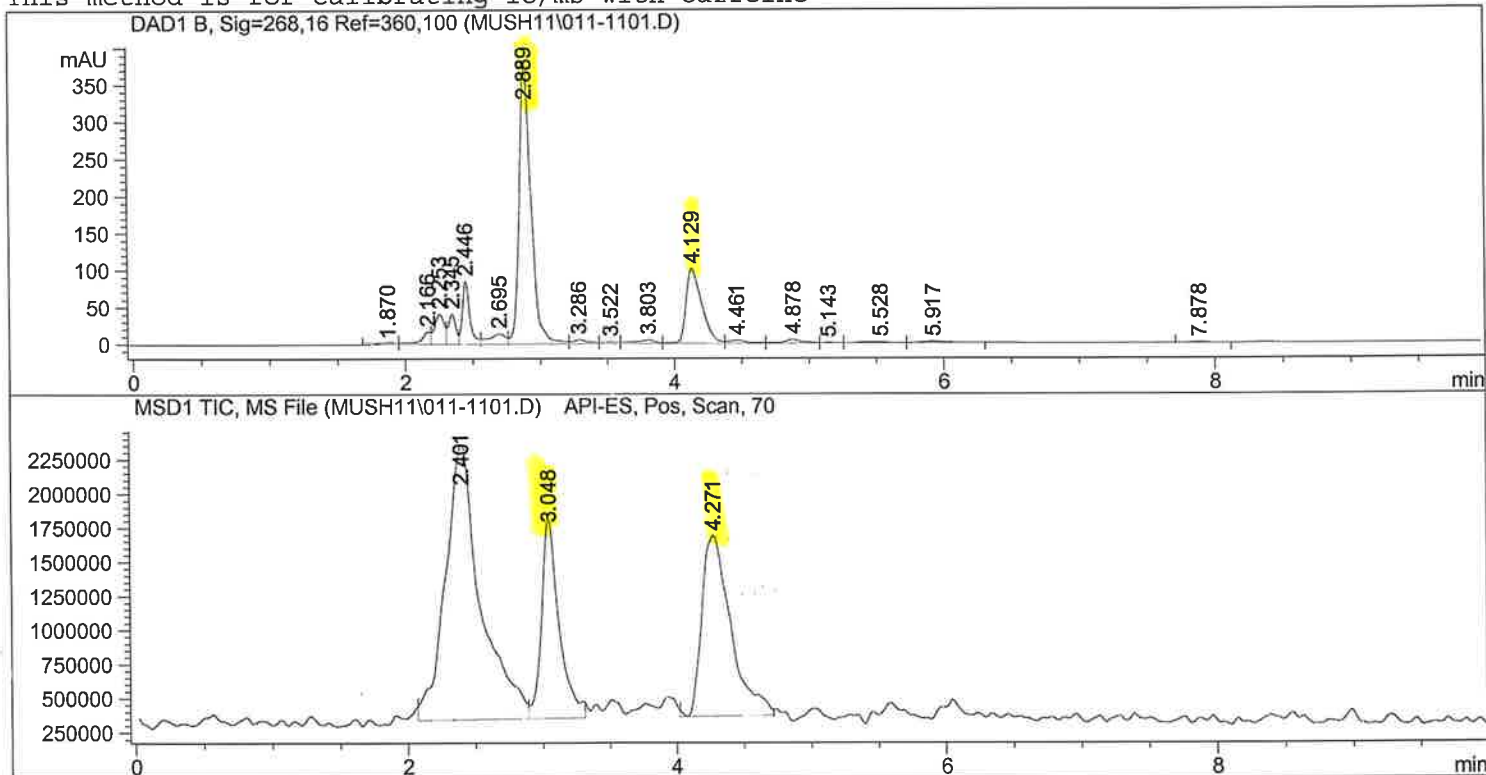
INTERNATIONALLY ACCREDITED SINCE 1994

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Injection Date	: 8/25/10 12:09:07 PM	Seq. Line	: 11
Sample Name	: 101010268-2a H2O	Location	: Vial 11
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 8/24/10 1:06:08 PM by PATTI CHOATIE		
Analysis Method	: C:\HPCHEM\1\METHODS\CAFFEINE.M		
Last changed	: 8/26/10 10:20:11 AM by PATTI CHOATIE		
	(modified after loading)		

This method is for calibrating lc/ms with caffeine

PSILOCYBIN
&
PSILOCYN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

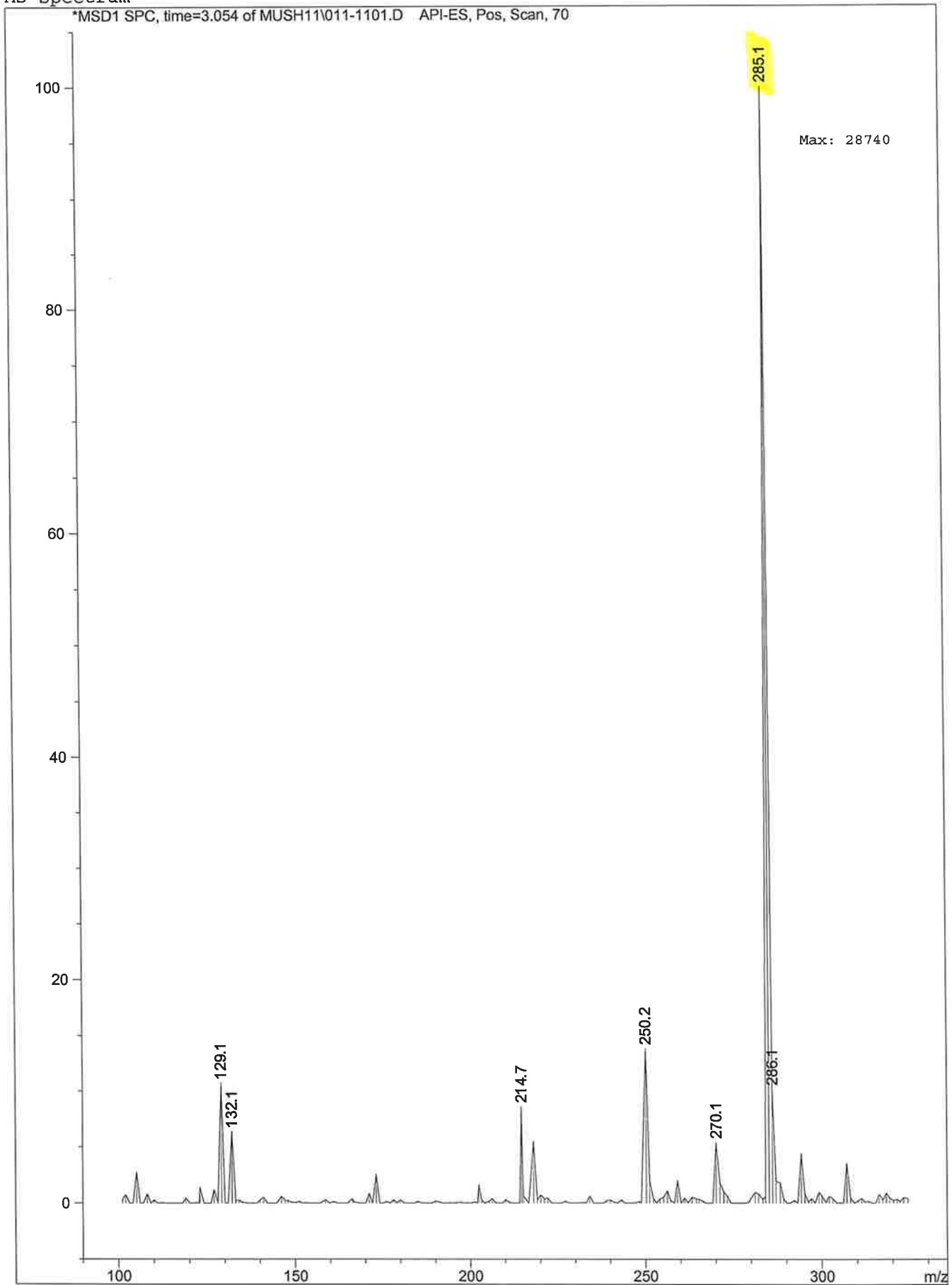
Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.870	PV	0.1339	25.51811	2.97892	0.5846
2	2.166	VV	0.0744	89.31914	17.24767	2.0463
3	2.253	VV	0.0732	201.80458	41.12600	4.6232
4	2.345	VV	0.0564	156.72803	41.14152	3.5906
5	2.446	VV	0.0582	323.12143	85.23627	7.4025
6	2.695	VV	0.1207	123.08237	14.26425	2.8197
7	2.889	VV	0.0865	2319.97681	383.88678	53.1494
8	3.286	VV	0.1158	47.86605	5.82758	1.0966
9	3.522	VV	0.1227	22.61273	2.72809	0.5180
10	3.803	VV	0.1403	54.84721	5.32087	1.2565
11	4.129	VV	0.1237	827.29254	100.89401	18.9528
12	4.461	VV	0.1365	40.80938	4.30770	0.9349
13	4.878	VV	0.1345	50.98172	5.28511	1.1680
14	5.143	VV	0.1128	9.37879	1.17968	0.2149

PSILOCYBIN

MS Spectrum

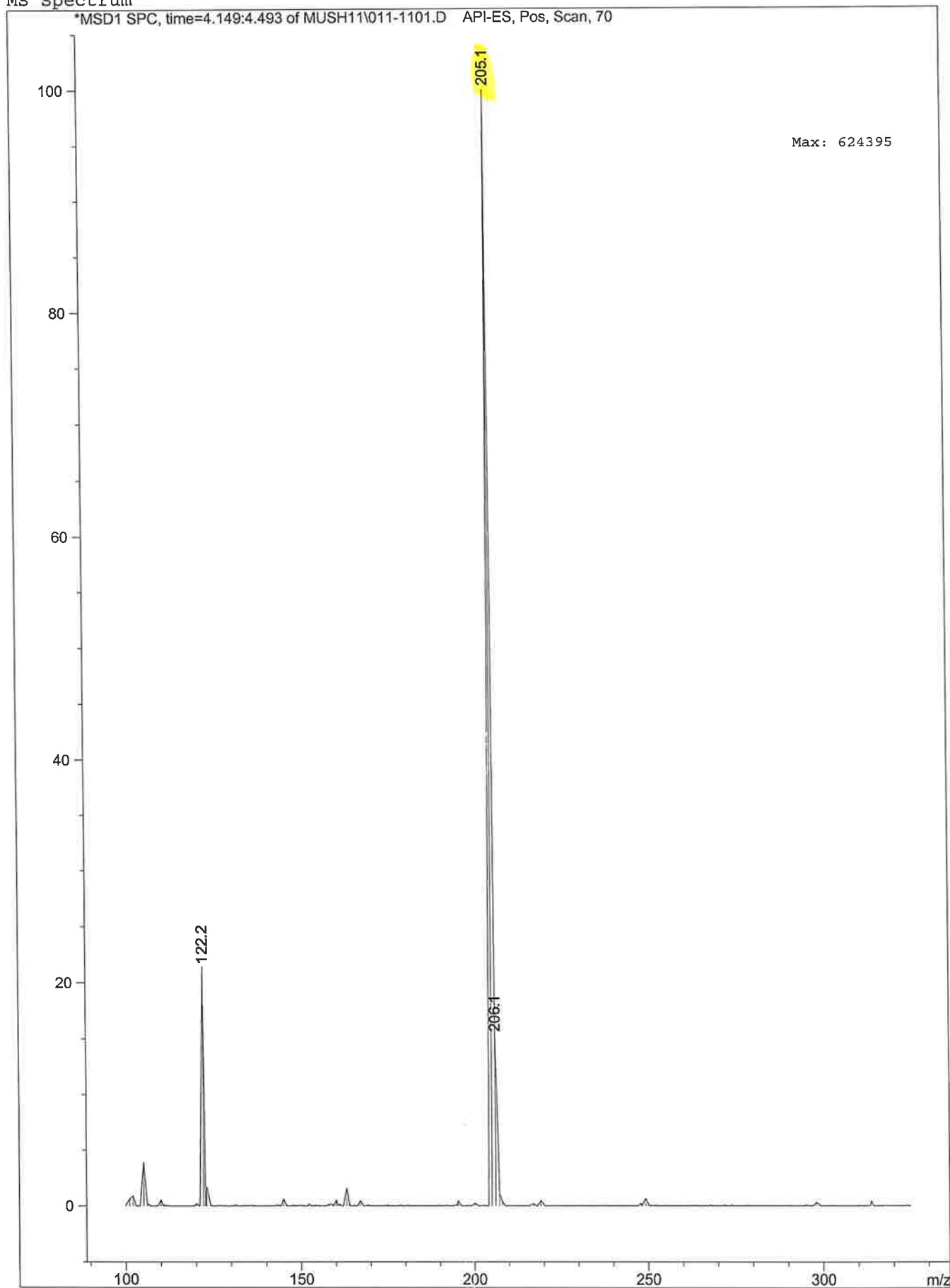
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PSILOCYN

MS Spectrum

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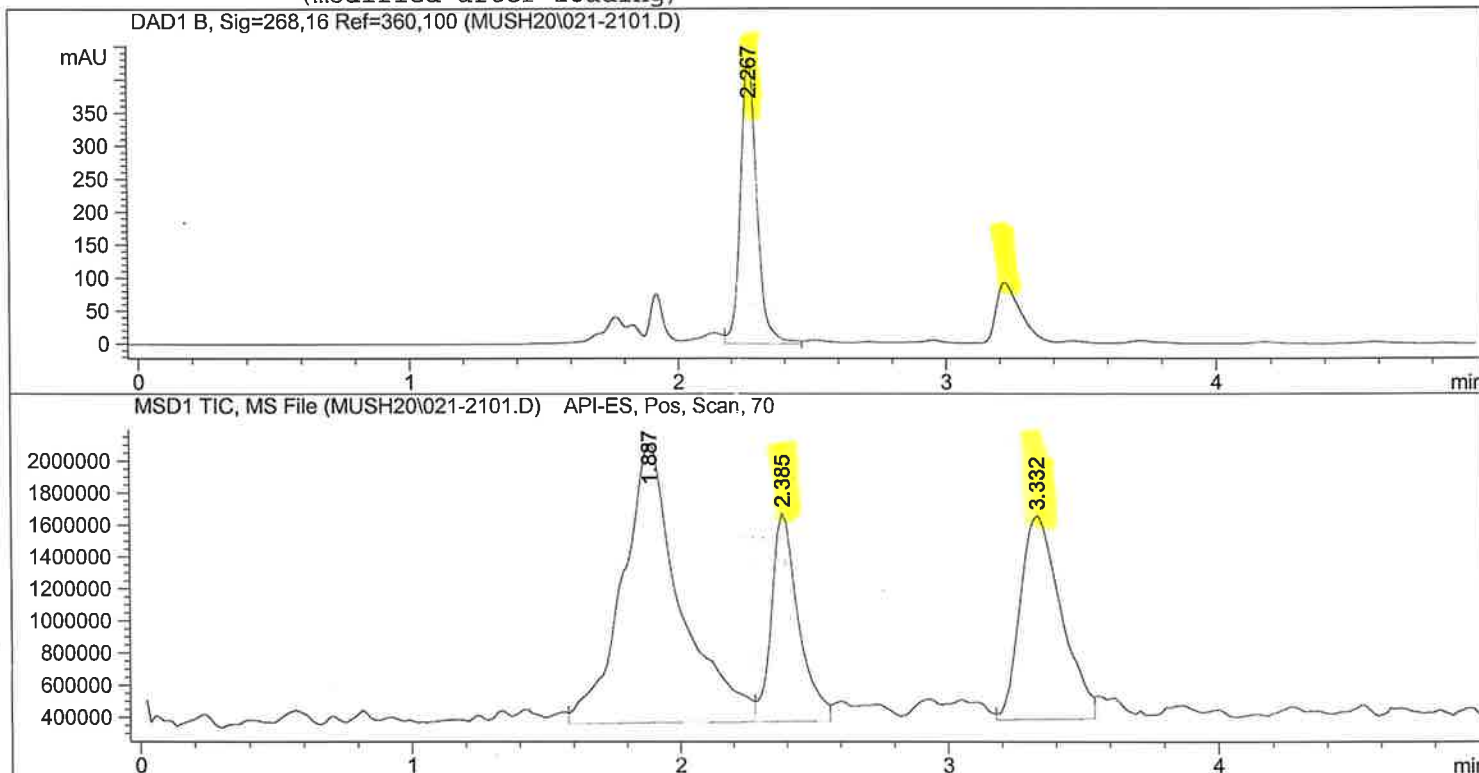


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Injection Date	: 9/17/10 12:17:52 PM	Seq. Line	: 21
Sample Name	: 101-10268-02a	Location	: Vial 21
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 12:17:54 PM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 1:28:13 PM by PATTI CHOATIE (modified after loading)		

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PSILOCYBIN
+
PSILOCYN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.267	VV	0.0659	1845.20374	431.34442	100.0000

Totals : 1845.20374 431.34442

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	1.887	VV	0.2029	2.61989e7	1.74911e6	53.7742
2	2.385	VV	0.1050	9.11223e6	1.30419e6	18.7032
3	3.332	VV	0.1605	1.34091e7	1.27178e6	27.5226

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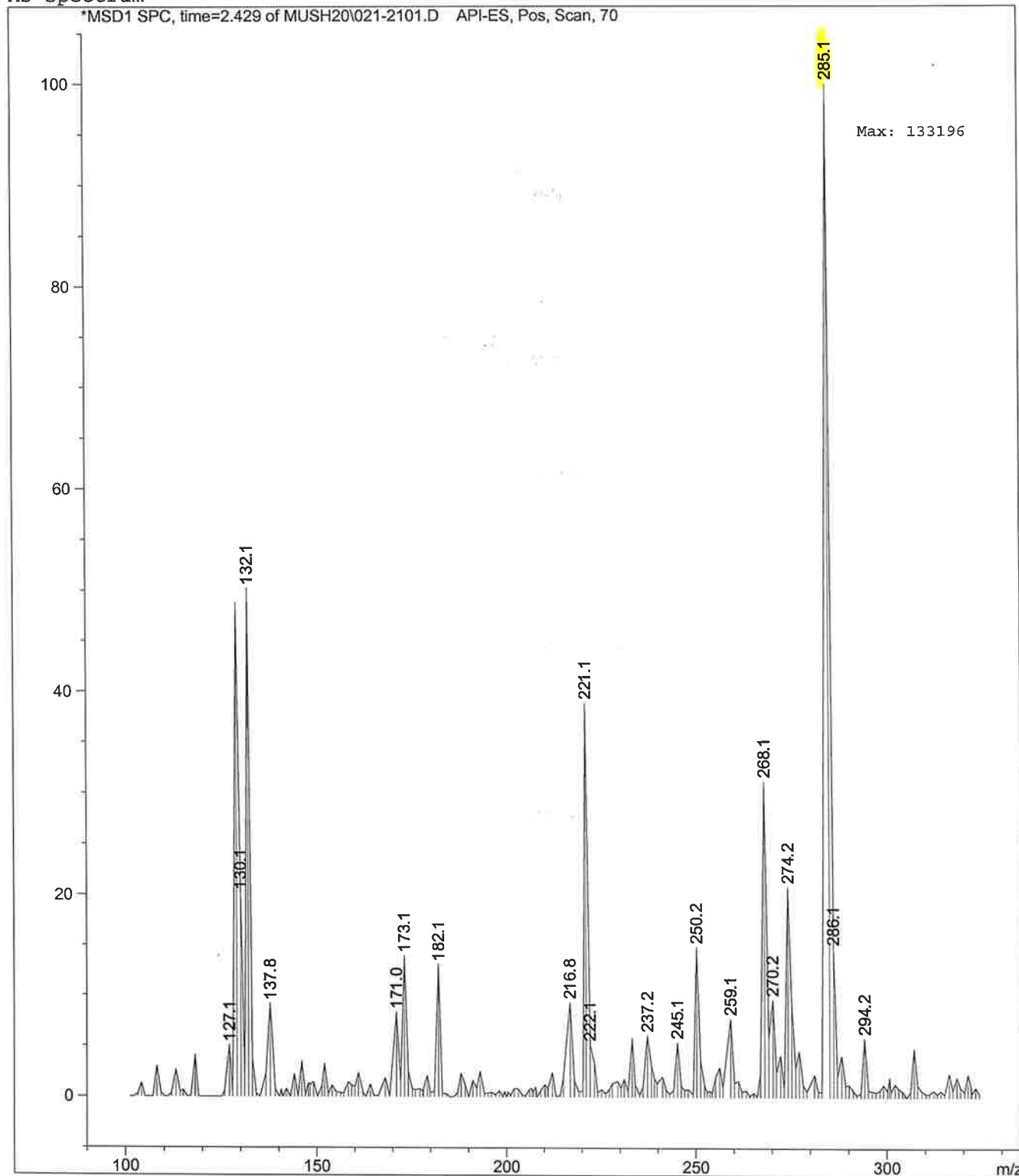
=====
Injection Date   : 9/17/10 12:17:52 PM      Seq. Line   : 21
Sample Name     : 101-10268-02a            Location    : Vial 21
Acq. Operator   : PATTI CHOATIE             Inj         : 1
                                           Inj Volume  : 10 µl

Acq. Method    : C:\HPCHEM\1\METHODS\MUSHRMS.M
I changed      : 9/17/10 12:17:54 PM by PATTI CHOATIE
                  (modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed    : 9/17/10 1:28:13 PM by PATTI CHOATIE
                  (modified after loading)
    
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PSILOCYBIN

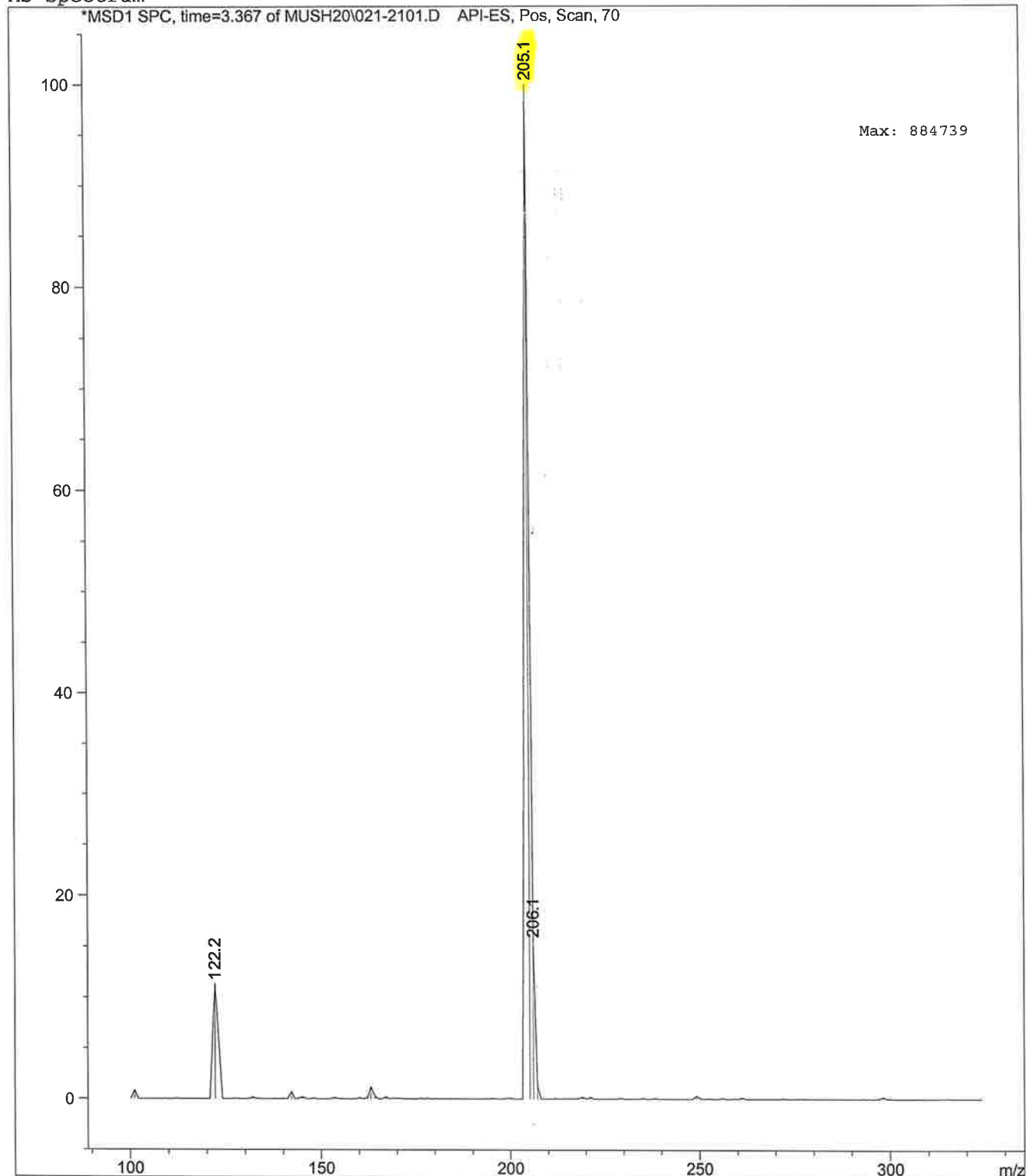
MS Spectrum



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=====
Injection Date   : 9/17/10 12:17:52 PM      Seq. Line :   21
Sample Name     : 101-10268-02a            Location  : Vial 21
Acq. Operator   : PATTI CHOATIE             Inj       :    1
                                           Inj Volume: 10 µl
Method          : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed    : 9/17/10 12:17:54 PM by PATTI CHOATIE
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed    : 9/17/10 1:28:13 PM by PATTI CHOATIE
                  (modified after loading)
=====
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PsilocyN

MS Spectrum





PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY
901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: Charles Stines
Franklin Co. S.D.
420 Wilton Circle
Winchester, TN 37398

DATE ISSUED: 9/29/10
LAB CASE NO: 101011407
COUNTY: Franklin
AGENCY CASE NO: 201069599

SUBJECT(S):
DYLAN KEITH SHIRLEY

VICTIM(S):

Received From: Robert Tipps
Received By: Susan Clark
Date Received: 7/21/10
Time Received: 1:00 pm

EXHIBIT(S):

01-a Paper squares
02-a Mushrooms

RESULTS:

	<u>Controlled Substance</u>	<u>Schedule</u>	<u>Amount</u>
01-a	No controlled substances were detected.	-	2 Square(s)
02-a	Psilocybin Psilocyn	I I	2.5 Gram(s) -

DISPOSITION:

All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,

Brett T. Trotter

Brett T. Trotter
Special Agent / Forensic Scientist



OFFICIAL FORENSIC CHEMISTRY REPORT

LABORATORY CASE NO: 101011407

DATE ISSUED: 9/29/10

I certify and attest that this document is the proper record it purports to be.

Paul R Smith

Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



INTERNATIONALLY ACCREDITED SINCE 1994

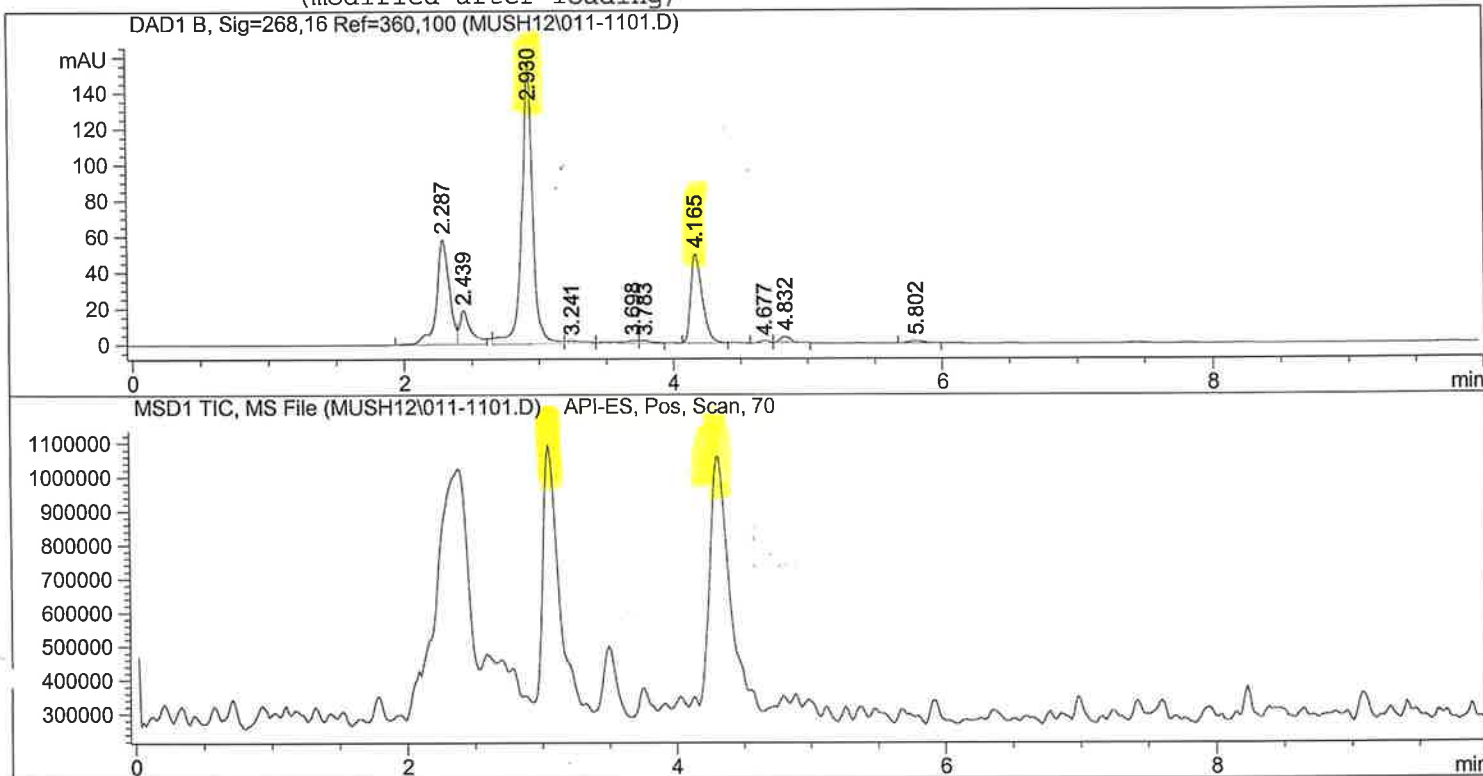
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Injection Date   : 8/27/10 12:08:19 PM      Seq. Line   :   11
Sample Name     : 10111407-02a             Location    : Vial 11
Acq. Operator   : PATTI CHOATIE             Inj         :    1
                                           Inj Volume  : 10 µl

Acq. Method     : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed    : 8/27/10 12:07:53 PM by PATTI CHOATIE
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed    : 8/27/10 1:50:46 PM by PATTI CHOATIE
                  (modified after loading)
=====

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PSILOCYBIN
&
PSILOCYN



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

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000

```

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

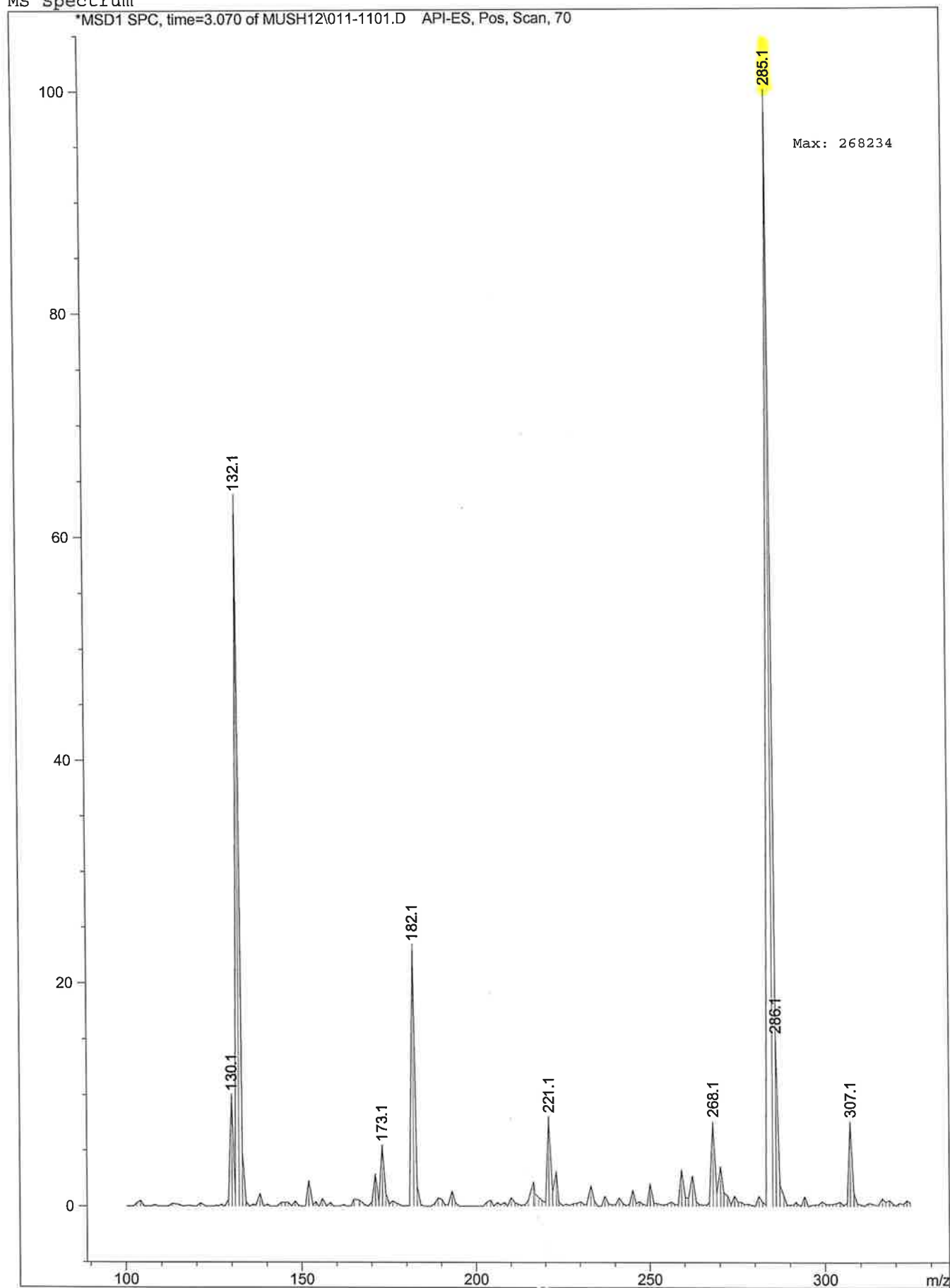
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.287	BV	0.0993	385.79776	58.21383	21.9318
2	2.439	VB	0.0797	109.40474	18.86362	6.2194
3	2.930	BV	0.0792	884.52588	158.34938	50.2834
4	3.241	VV	0.1273	17.10610	1.76186	0.9724
5	3.698	VV	0.1565	19.90093	1.65258	1.1313
6	3.783	VB	0.0936	10.20265	1.53311	0.5800
7	4.165	BB	0.0896	294.52594	49.35846	16.7432
8	4.677	PV	0.0800	6.34152	1.23301	0.3605
9	4.832	VB	0.0886	20.58192	3.60618	1.1700
10	5.802	BB	0.1144	10.69555	1.41091	0.6080

Totals : 1759.08300 295.98294

PSILOCYBIN

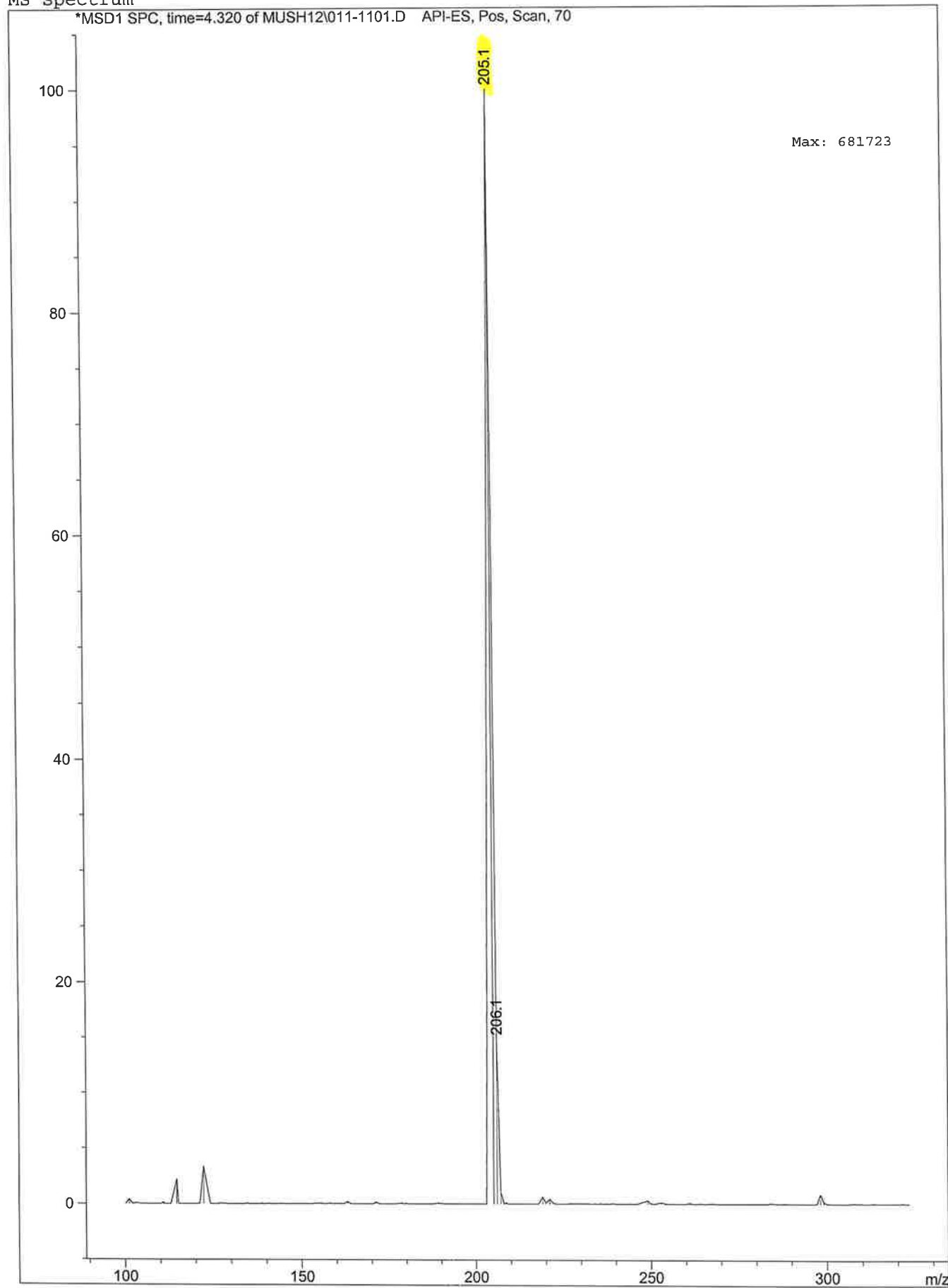
MS Spectrum

*MSD1 SPC, time=3.070 of MUSH12\011-1101.D API-ES, Pos, Scan, 70



PSILOCYN

MS Spectrum

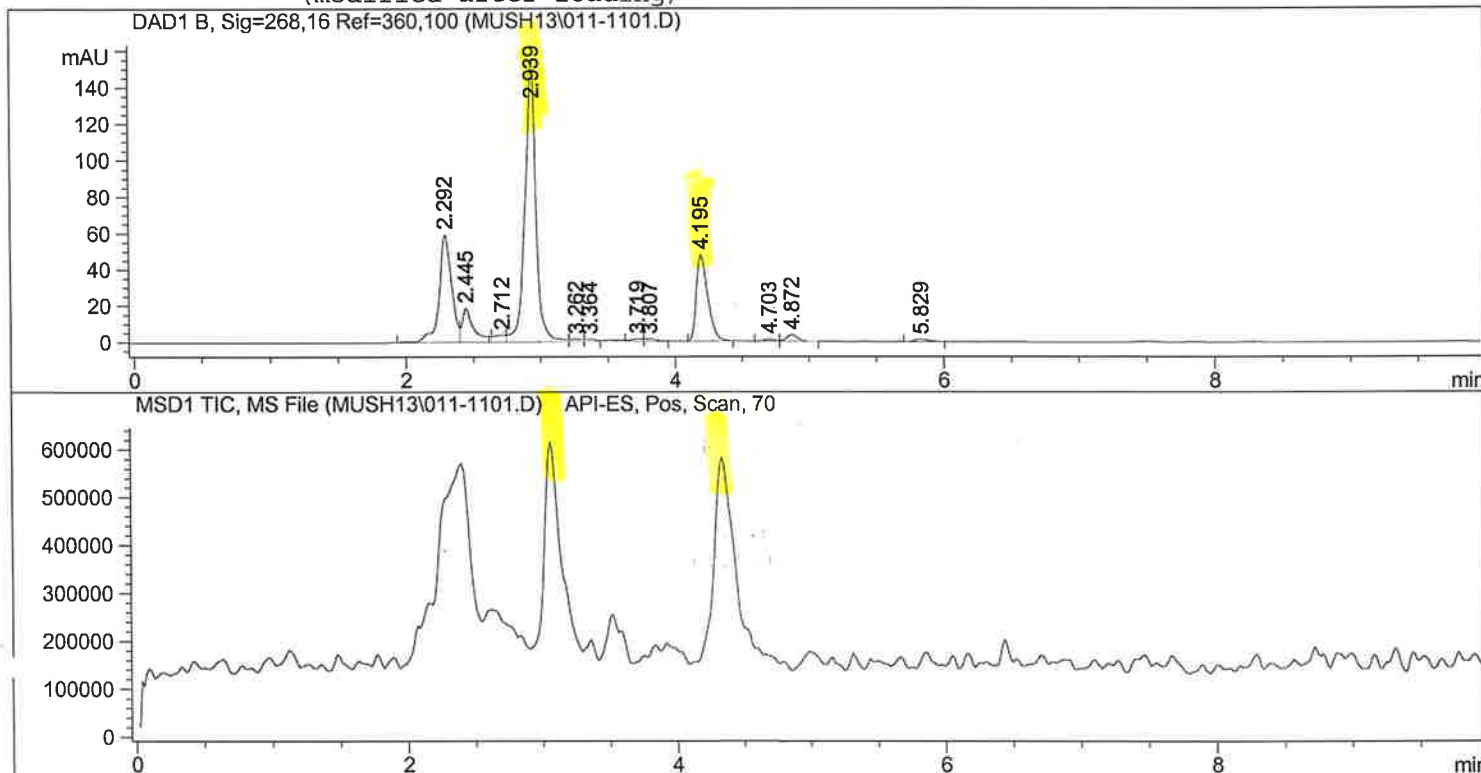


=====

Injection Date	: 8/30/10 11:24:37 AM	Seq. Line	: 11
Sample Name	: 10111407-02a	Location	: Vial 11
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 8/30/10 11:24:18 AM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 8/30/10 1:07:11 PM by PATTI CHOATIE (modified after loading)		

=====

PSILOCYBIN
PSILOCYN



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Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

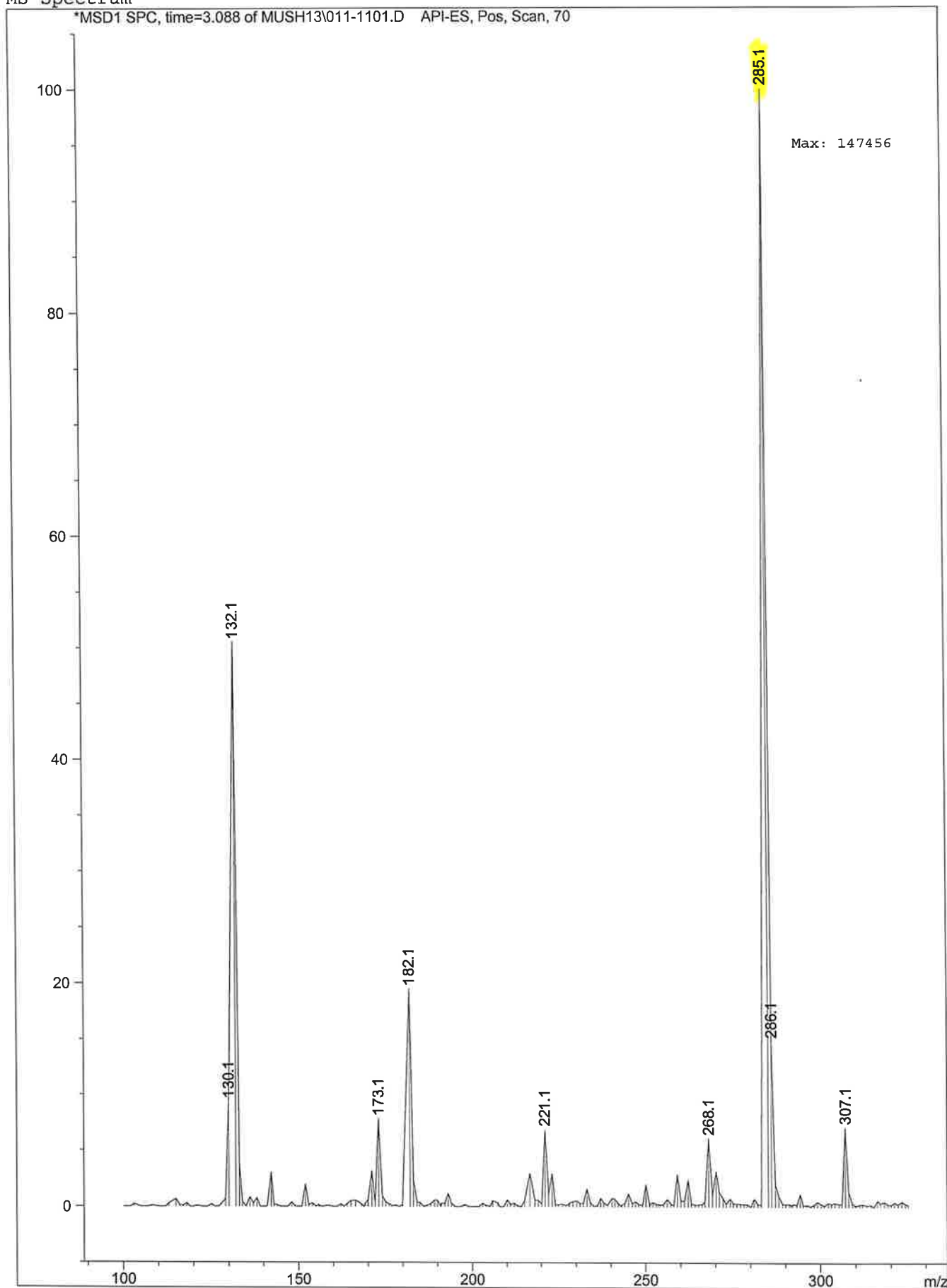
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.292	BV	0.0958	386.40469	59.44073	22.0254
2	2.445	VB	0.0792	109.00320	18.91485	6.2133
3	2.712	BV	0.0857	24.54391	3.99504	1.3990
4	2.939	VV	0.0795	876.45050	156.06505	49.9585
5	3.262	VV	0.0800	9.24075	1.63285	0.5267
6	3.364	VV	0.0811	7.76487	1.39159	0.4426
7	3.719	BV	0.0865	9.83408	1.62848	0.5606
8	3.807	VB	0.0928	9.54508	1.48873	0.5441
9	4.195	BB	0.0911	283.42502	47.84513	16.1555
10	4.703	PV	0.0855	6.96929	1.28119	0.3973
11	4.872	VB	0.0867	20.72451	3.62338	1.1813
12	5.829	BB	0.1134	10.45267	1.39473	0.5958

Totals : 1754.35856 298.70177

PSILOCYBIN

MS Spectrum

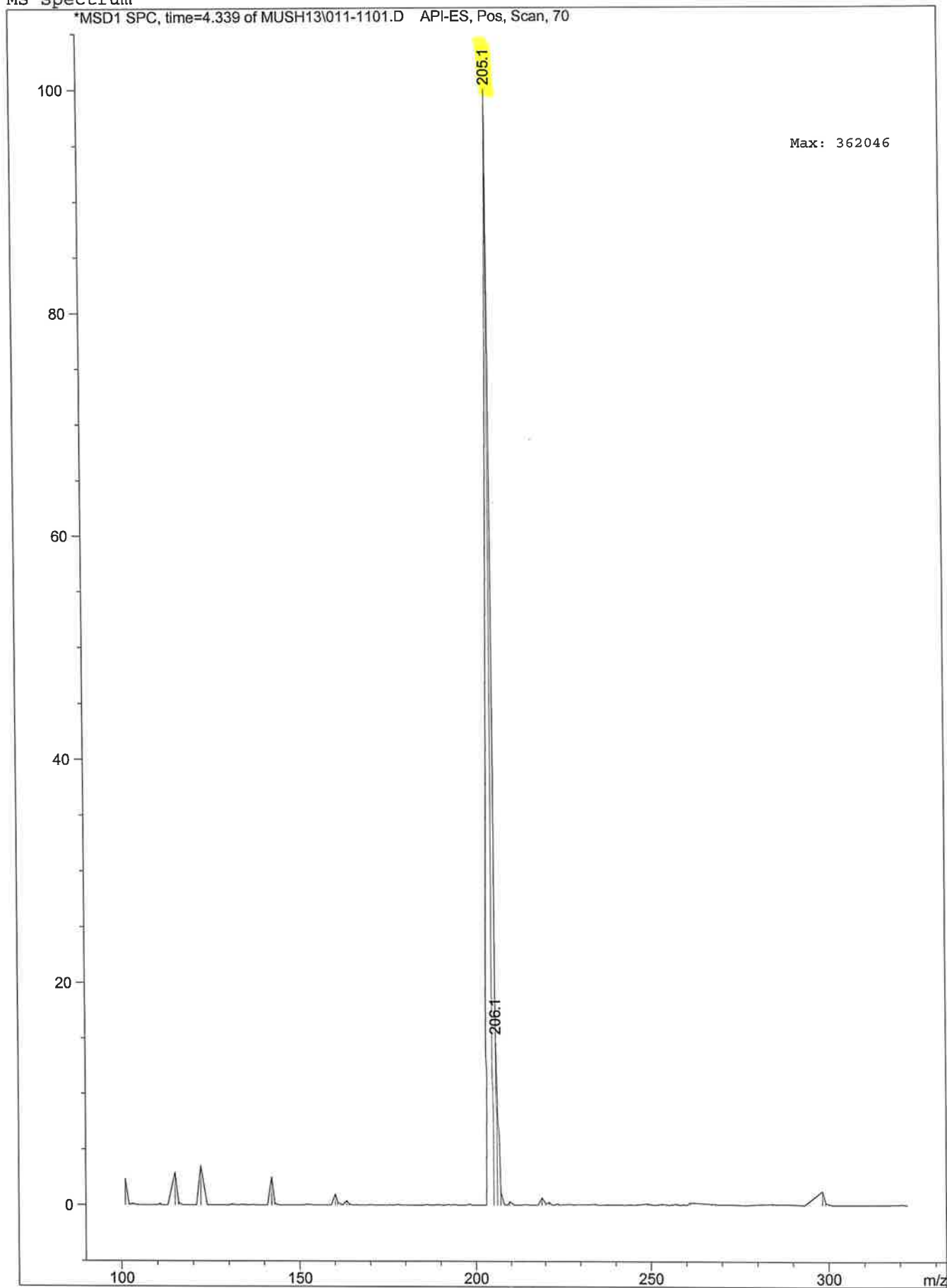
*MSD1 SPC, time=3.088 of MUSH13\011-1101.D API-ES, Pos, Scan, 70



PSILOCYN

MS Spectrum

*MSD1 SPC, time=4.339 of MUSH13\011-1101.D API-ES, Pos, Scan, 70

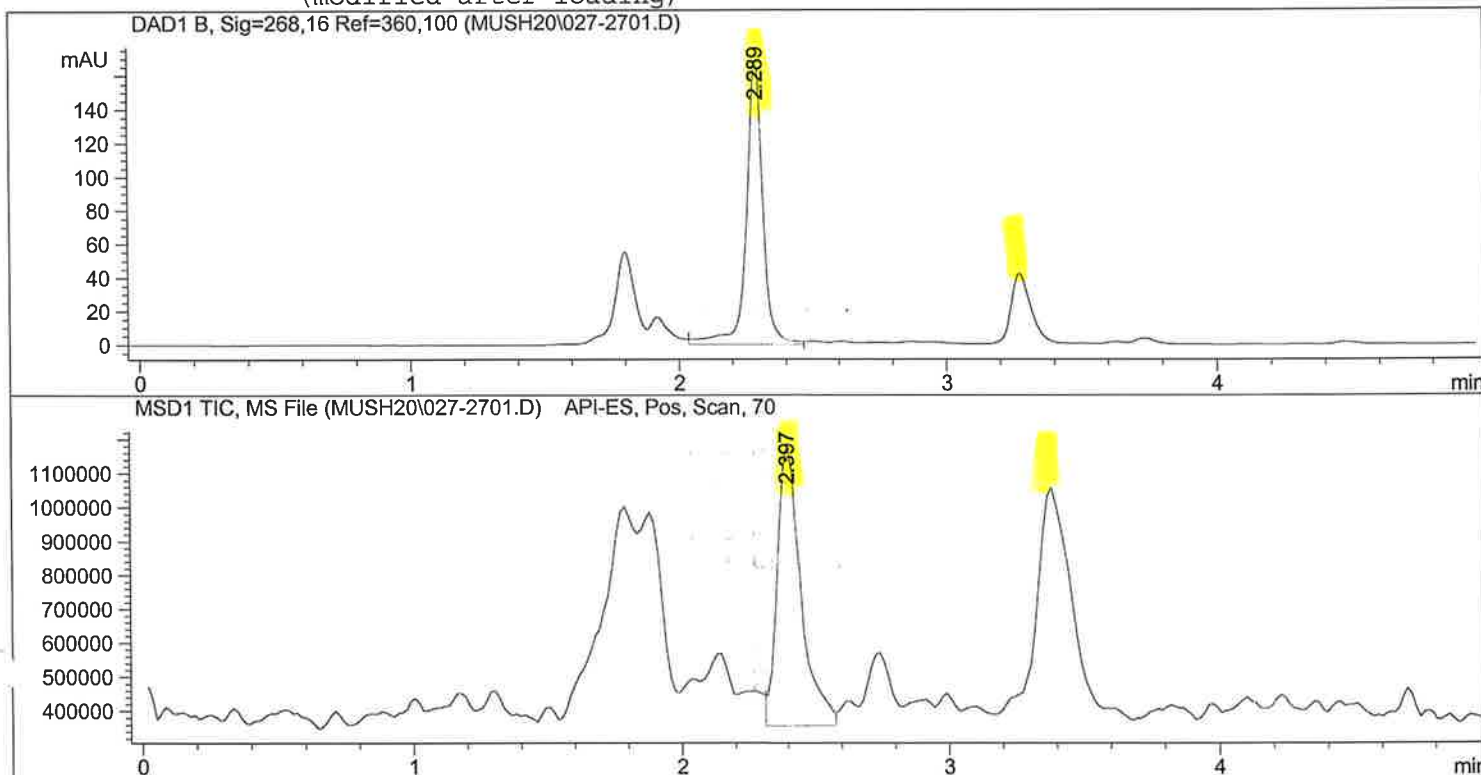


=====

Injection Date	: 9/17/10 12:56:14 PM	Seq. Line	: 27
Sample Name	: 101-11407-02a	Location	: Vial 27
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 12:56:17 PM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/17/10 1:28:13 PM by PATTI CHOATIE (modified after loading)		

=====

PSILOCYBIN
e
PSILOCYN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.289	VV	0.0645	732.34003	169.22028	100.0000

Totals : 732.34003 169.22028

Signal 2: MSD1 TIC, MS File

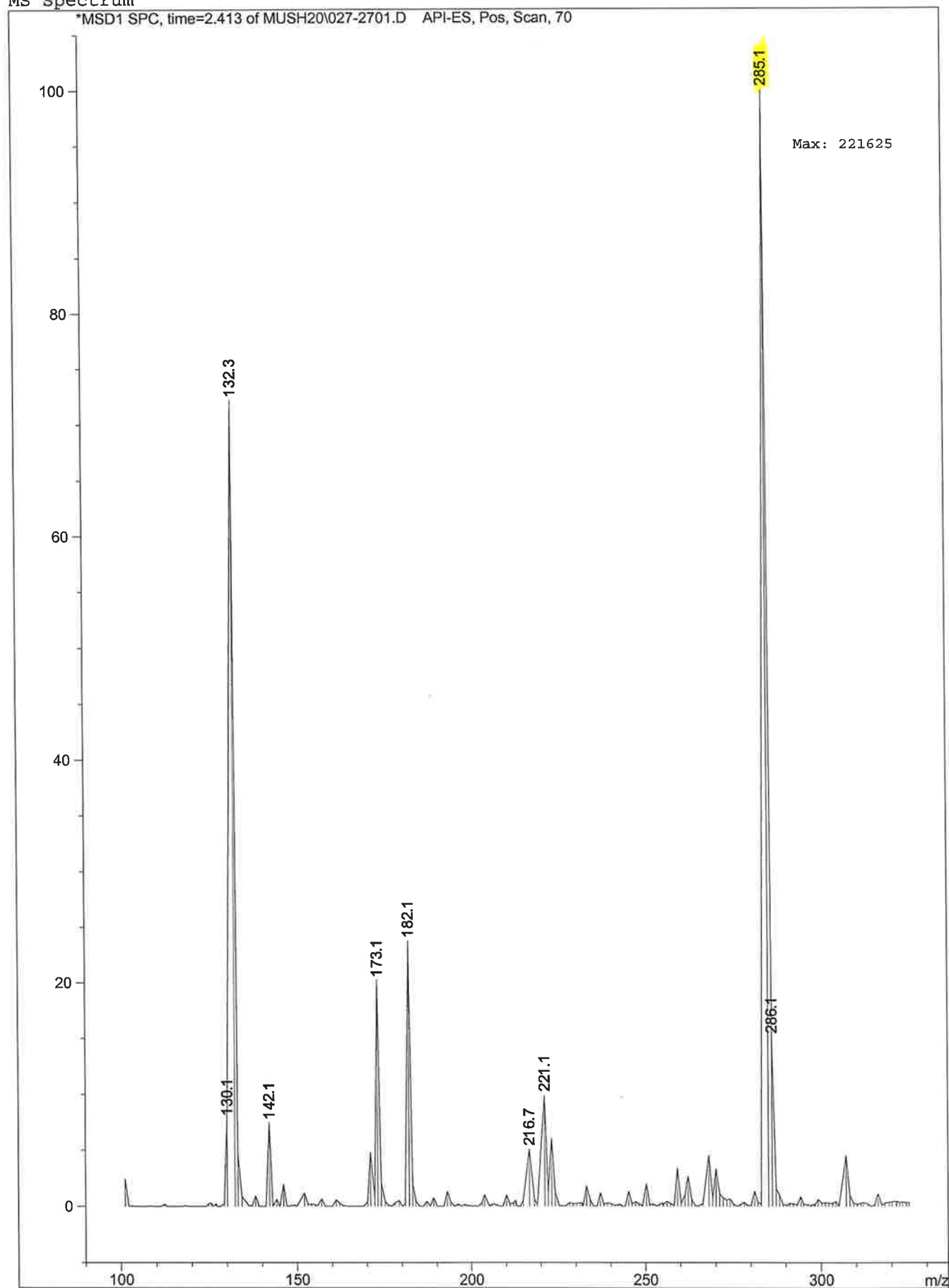
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.397	VV	0.0918	5.17642e6	8.27374e5	100.0000

Totals : 5.17642e6 8.27374e5

PSILACYBIN

MS Spectrum

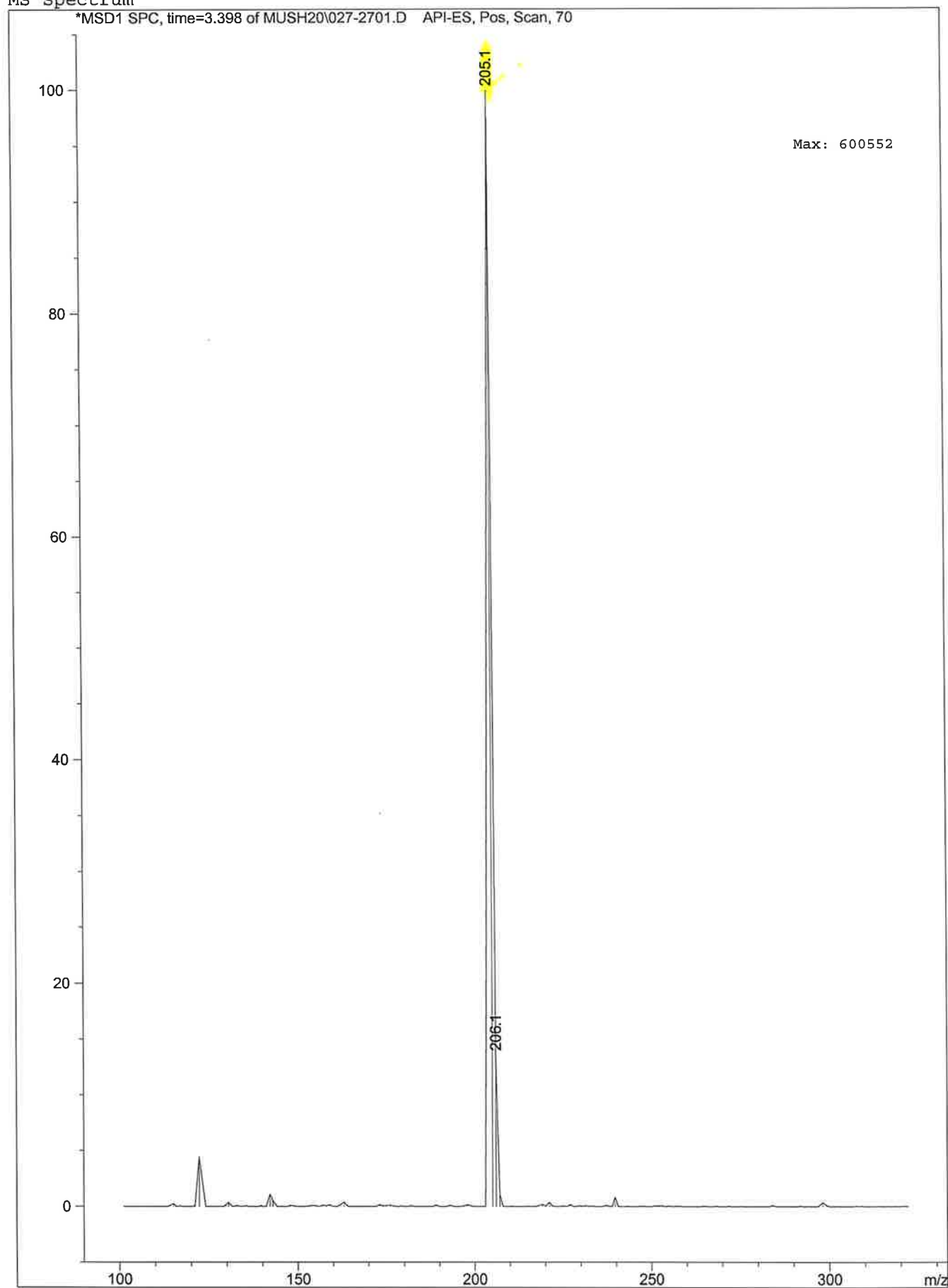
*MSD1 SPC, time=2.413 of MUSH20\027-2701.D API-ES, Pos, Scan, 70



PSILOCYN

MS Spectrum

*MSD1 SPC, time=3.398 of MUSH20\027-2701.D API-ES, Pos, Scan, 70



Experimentation with the Mobile Phase Makeup

This section contains data generated as we began to test the instrument using various concentrations of H₂O:Acetonitrile to determine the optimum concentration.

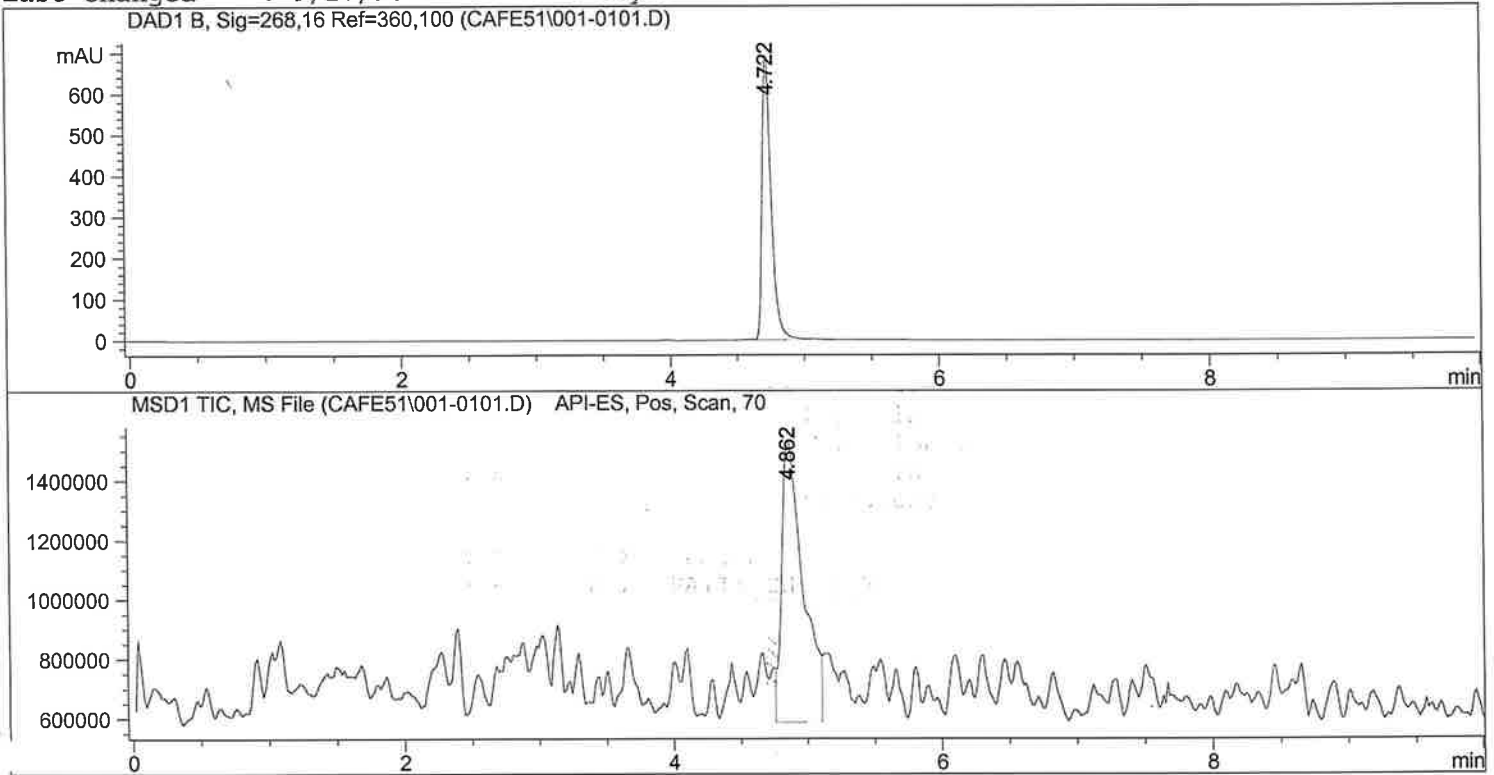
These samples were analyzed using the Kinetex 2.6 μ C-18 column (100 x 4.60 mm).

=====

Injection Date	: 9/27/10 12:37:06 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSH.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/27/10 12:36:21 PM by PATTI CHOATIE

11% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.722	VB	0.0735	3287.55420	691.49725	100.0000

Totals : 3287.55420 691.49725

Signal 2: MSD1 TIC, MS File

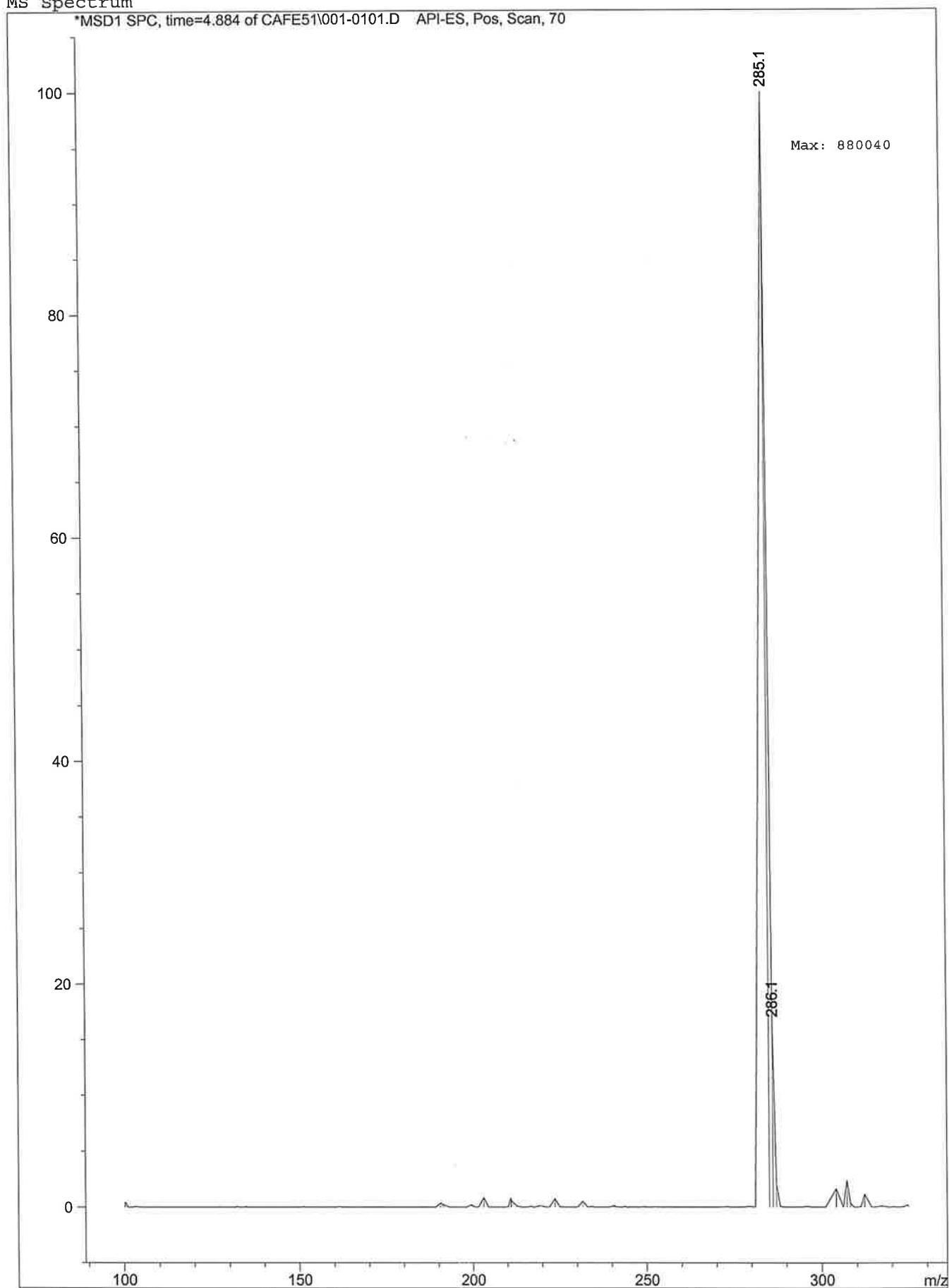
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	4.862	VV	0.1526	1.05259e7	9.51069e5	100.0000

Totals : 1.05259e7 9.51069e5

11% ACN

MS Spectrum

*MSD1 SPC, time=4.884 of CAFE51\001-0101.D API-ES, Pos, Scan, 70

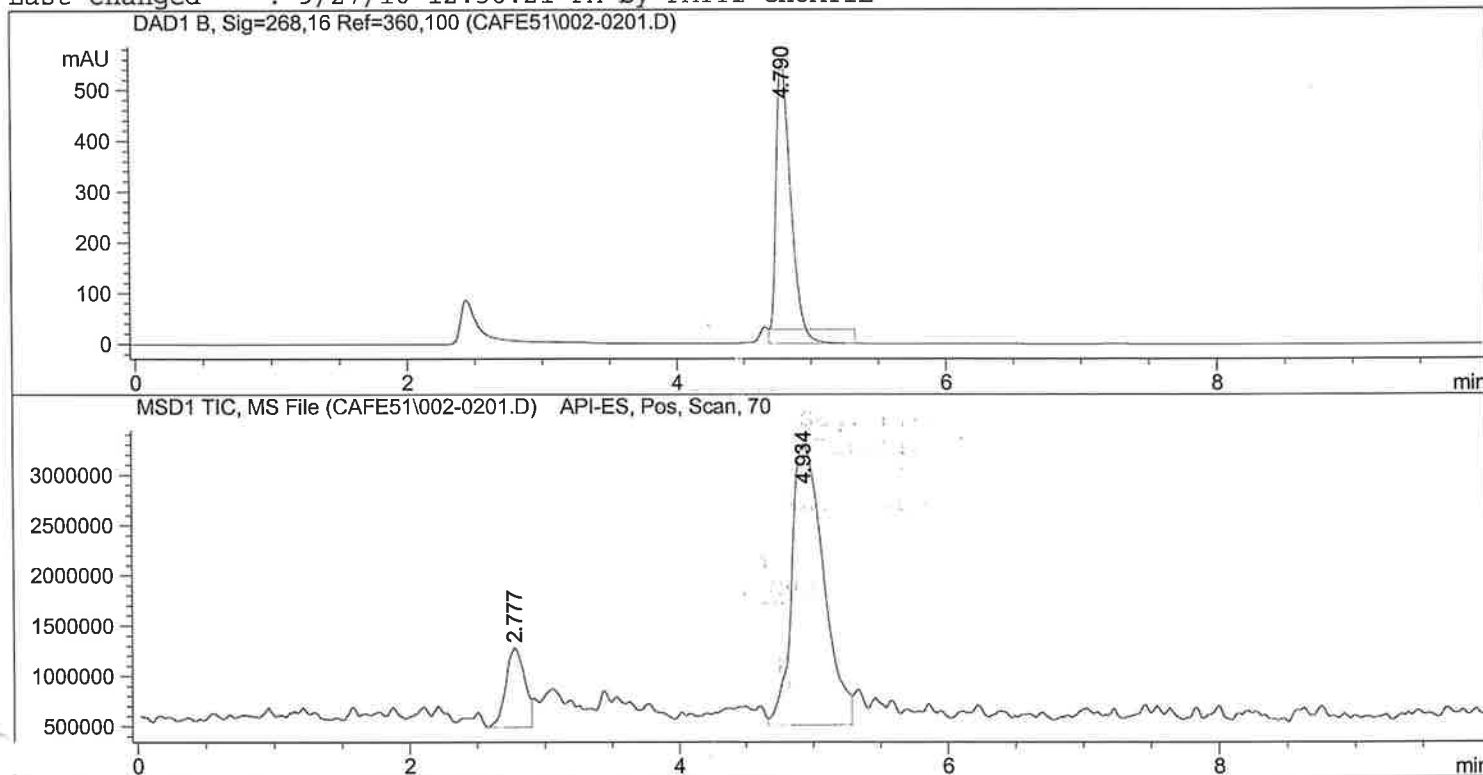


=====

Injection Date	: 9/27/10 12:48:32 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSH.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/27/10 12:36:21 PM by PATTI CHOATIE		

=====

11% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.790	VB	0.1165	4239.36865	558.72803	100.0000

Totals : 4239.36865 558.72803

Signal 2: MSD1 TIC, MS File

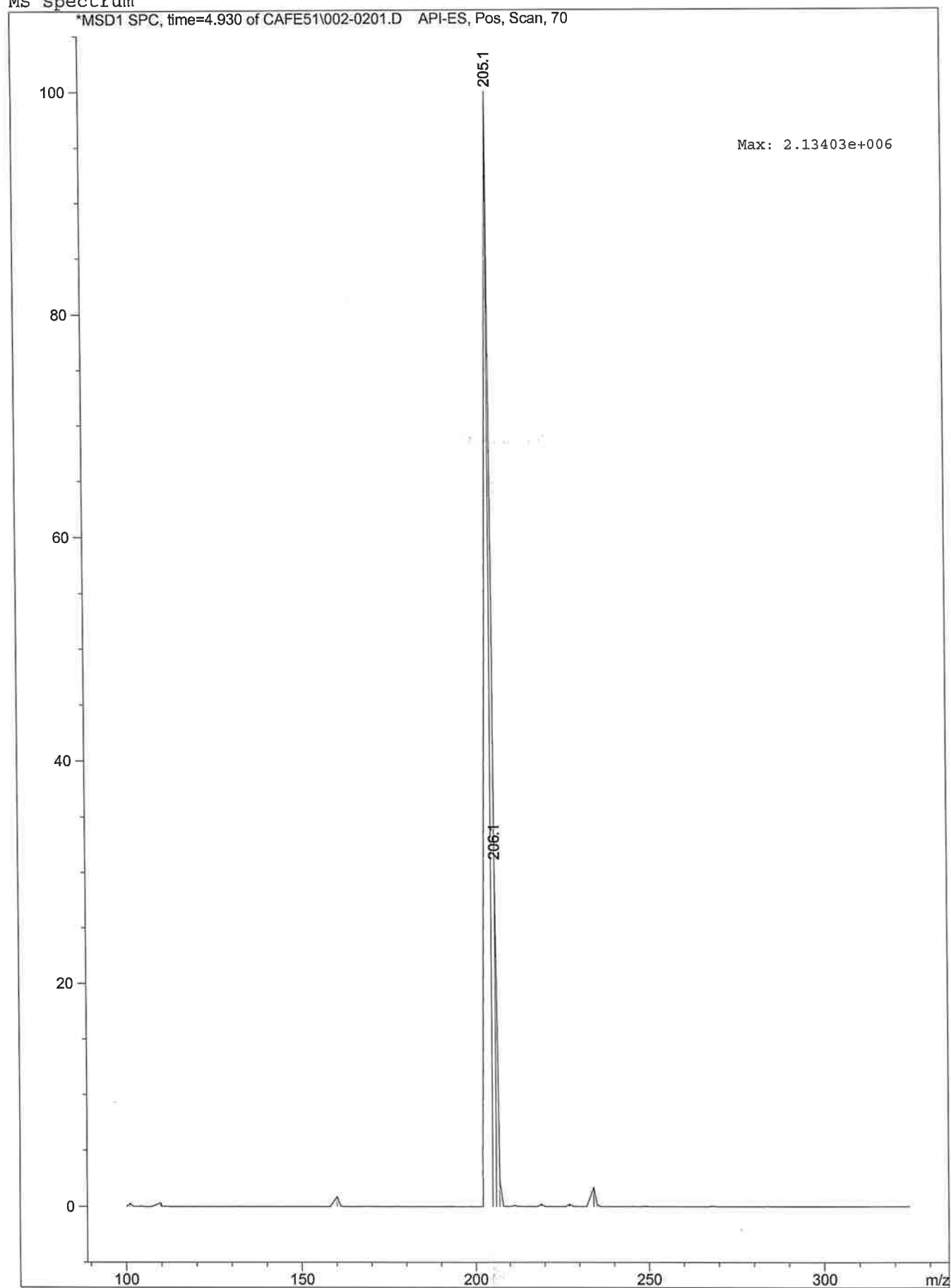
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.777	VV	0.1515	7.76215e6	7.94462e5	14.4077
2	4.934	VV	0.2630	4.61129e7	2.79209e6	85.5923

Totals : 5.38751e7 3.58655e6

11% ACN

MS Spectrum

*MSD1 SPC, time=4.930 of CAFE51\002-0201.D API-ES, Pos, Scan, 70

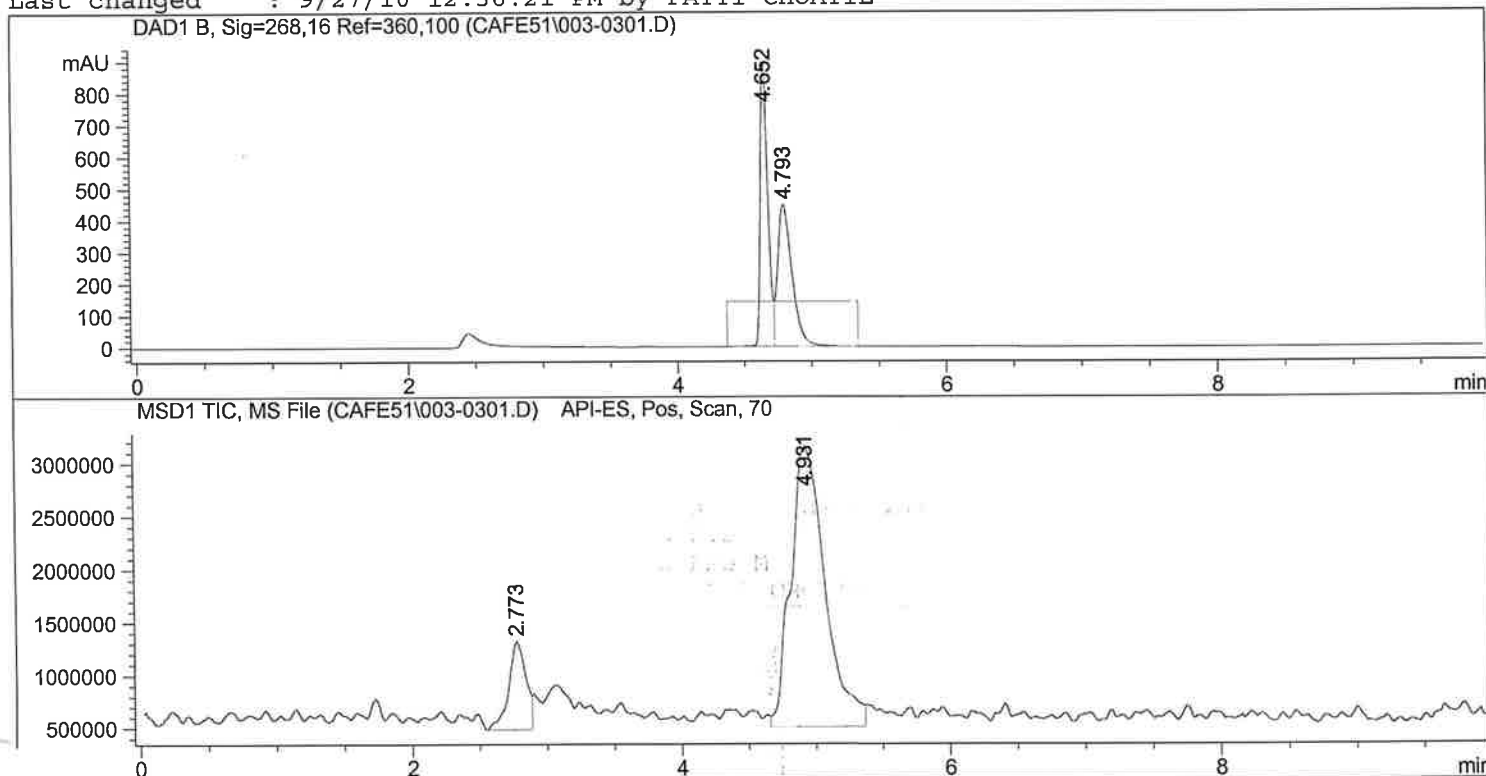


=====

Injection Date	: 9/27/10 12:59:56 PM	Seq. Line	: 3
Sample Name	: Pscybin & Pscyn	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSH.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/27/10 12:36:21 PM by PATTI CHOATIE

11%
ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.652	BV	0.0593	3488.09302	897.37561	51.2123
2	4.793	VB	0.1126	3322.94897	447.49823	48.7877

Totals : 6811.04199 1344.87384

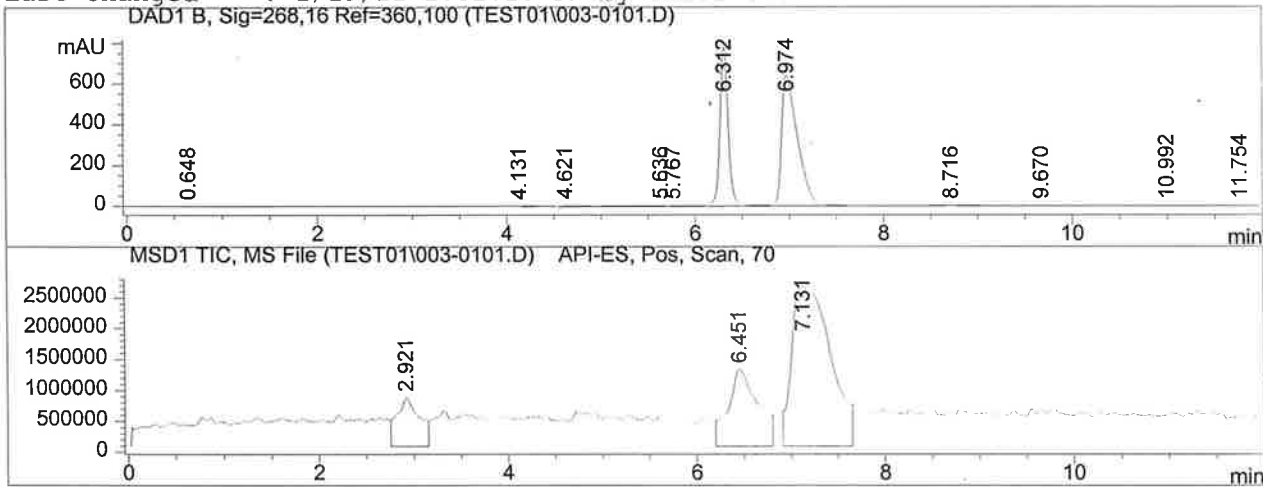
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.773	VV	0.1378	7.56161e6	8.40087e5	13.7678
2	4.931	VV	0.2695	4.73610e7	2.65025e6	86.2322

Totals : 5.49226e7 3.49034e6

Injection Date : 1/19/11 2:33:36 PM Seq. Line : 1
Sample Name : Pscybin & Pscyn Location : Vial 3
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 10 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRMS4.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 1/19/11 2:32:20 PM by PATTI CHOATIE

10% ACN
0.4 ml/min



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

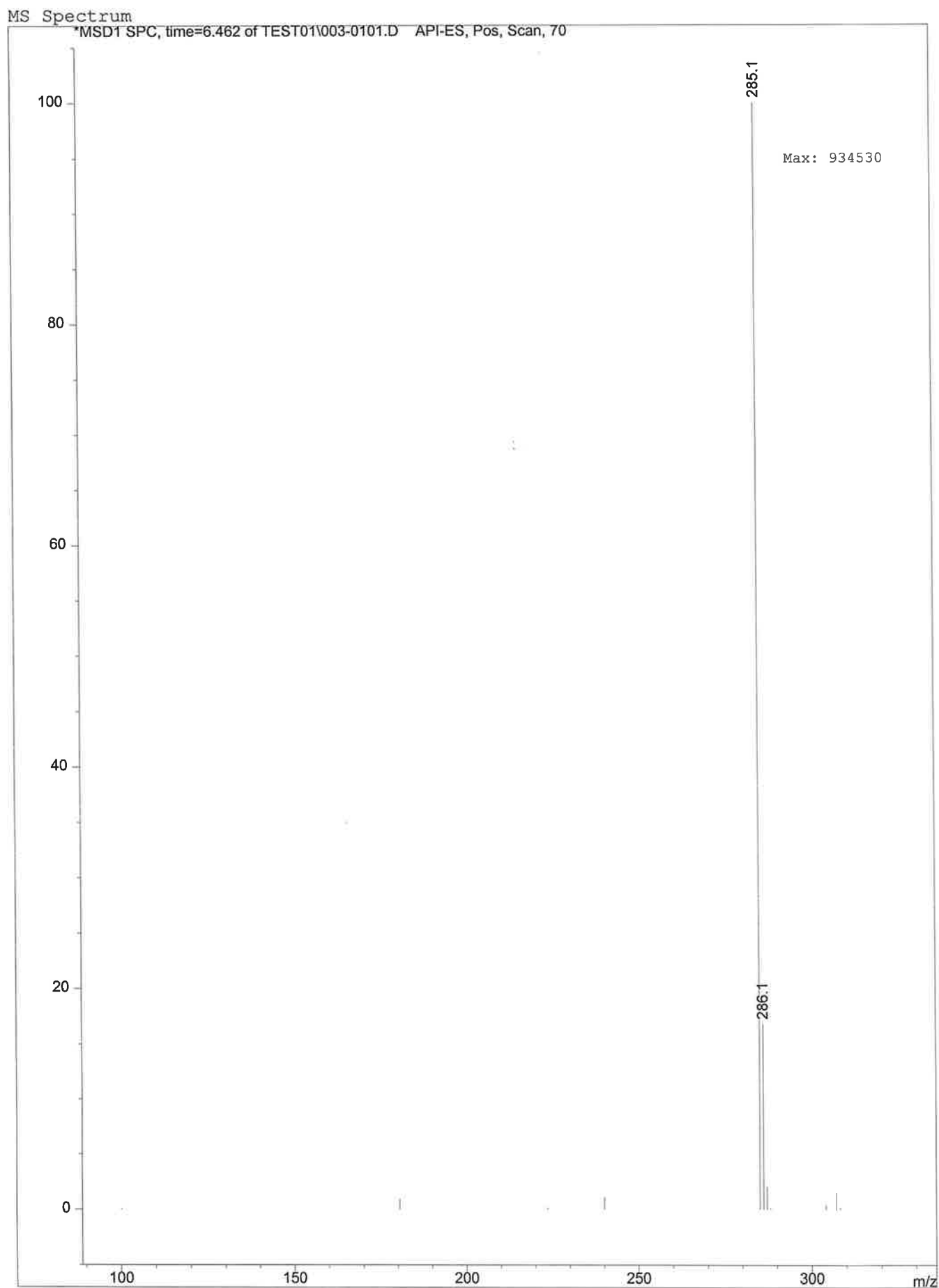
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.648	PP	0.0959	1.21275	1.86454e-1	9.620e-3
2	4.131	BB	0.2488	21.22400	1.09170	0.1684
3	4.621	PV	0.1645	64.44680	4.99672	0.5112
4	5.636	VV	0.4286	104.01869	2.95580	0.8252
5	5.767	VV	0.1215	23.83619	2.68700	0.1891
6	6.312	VV	0.0922	4854.16504	784.24377	38.5069
7	6.974	VB	0.1727	7515.62500	641.22937	59.6196
8	8.716	PB	0.1780	10.97605	9.55441e-1	0.0871
9	9.670	BB	0.1914	2.33997	1.67064e-1	0.0186
10	10.992	BB	0.2484	5.49901	3.40531e-1	0.0436
11	11.754	BBA	0.2210	2.61135	1.82424e-1	0.0207

Totals : 1.26060e4 1439.03628

Signal 2: MSD1 TIC, MS File

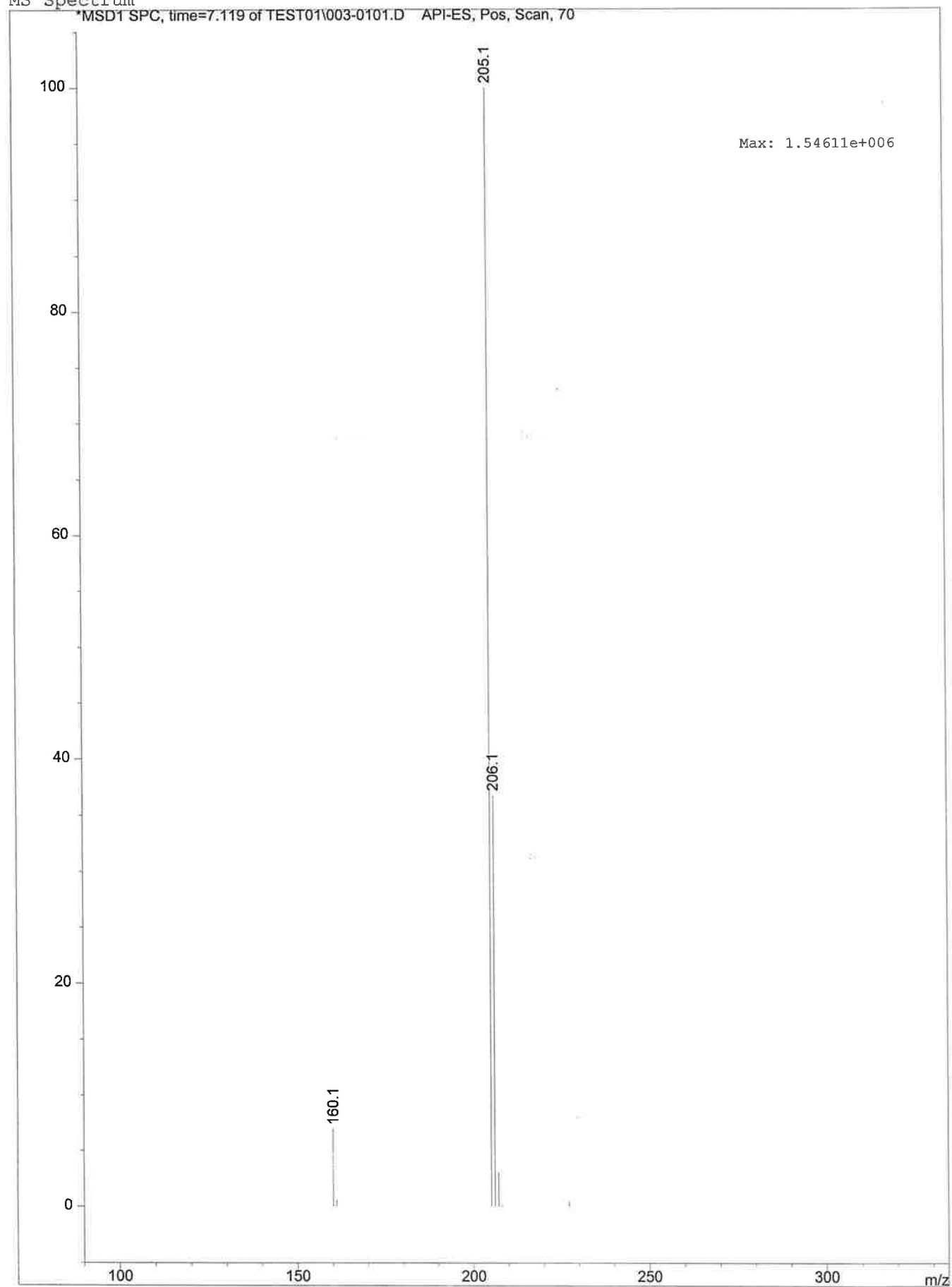
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.921	VV	0.2149	1.32341e7	7.87351e5	11.5394
2	6.451	VV	0.2976	2.73888e7	1.25125e6	23.8814
3	7.131	VV	0.3761	7.40637e7	2.58816e6	64.5792

Totals : 1.14687e8 4.62676e6



MS Spectrum

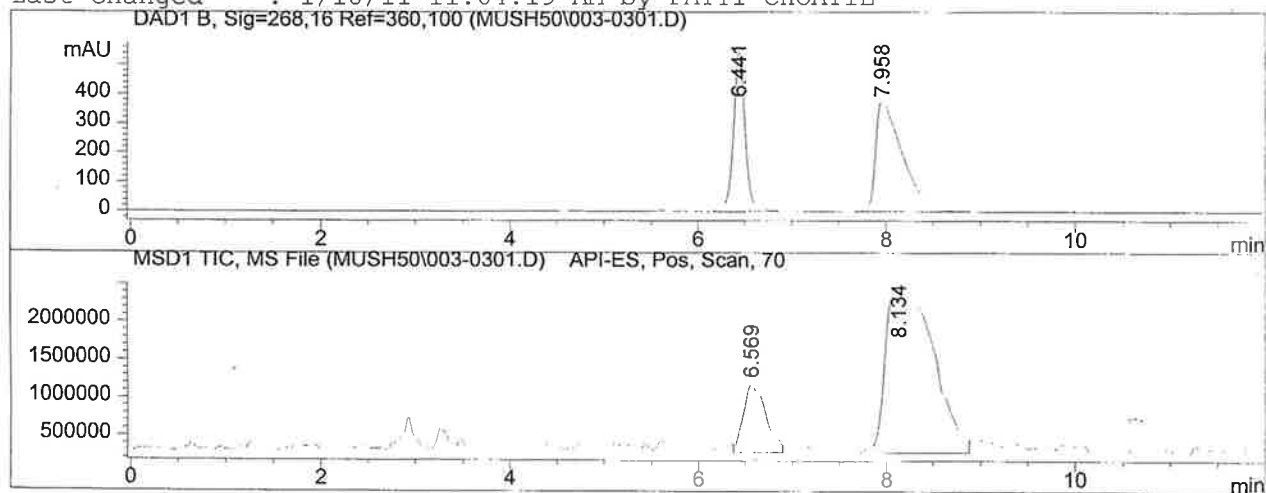
MSD1 SPC, time=7.119 of TEST01\003-0101.D API-ES, Pos, Scan, 70



Injection Date : 1/18/11 11:35:19 AM Seq. Line : 3
Sample Name : Pscybin & Pscyn Location : Vial 3
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 10 µl

8% ACN
0.4 ml/min

Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 1/18/11 11:04:19 AM by PATTI CHOATIE



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.441	PP	0.1311	4735.56543	546.37592	39.0238
2	7.958	BB	0.2948	7399.51953	377.30072	60.9762

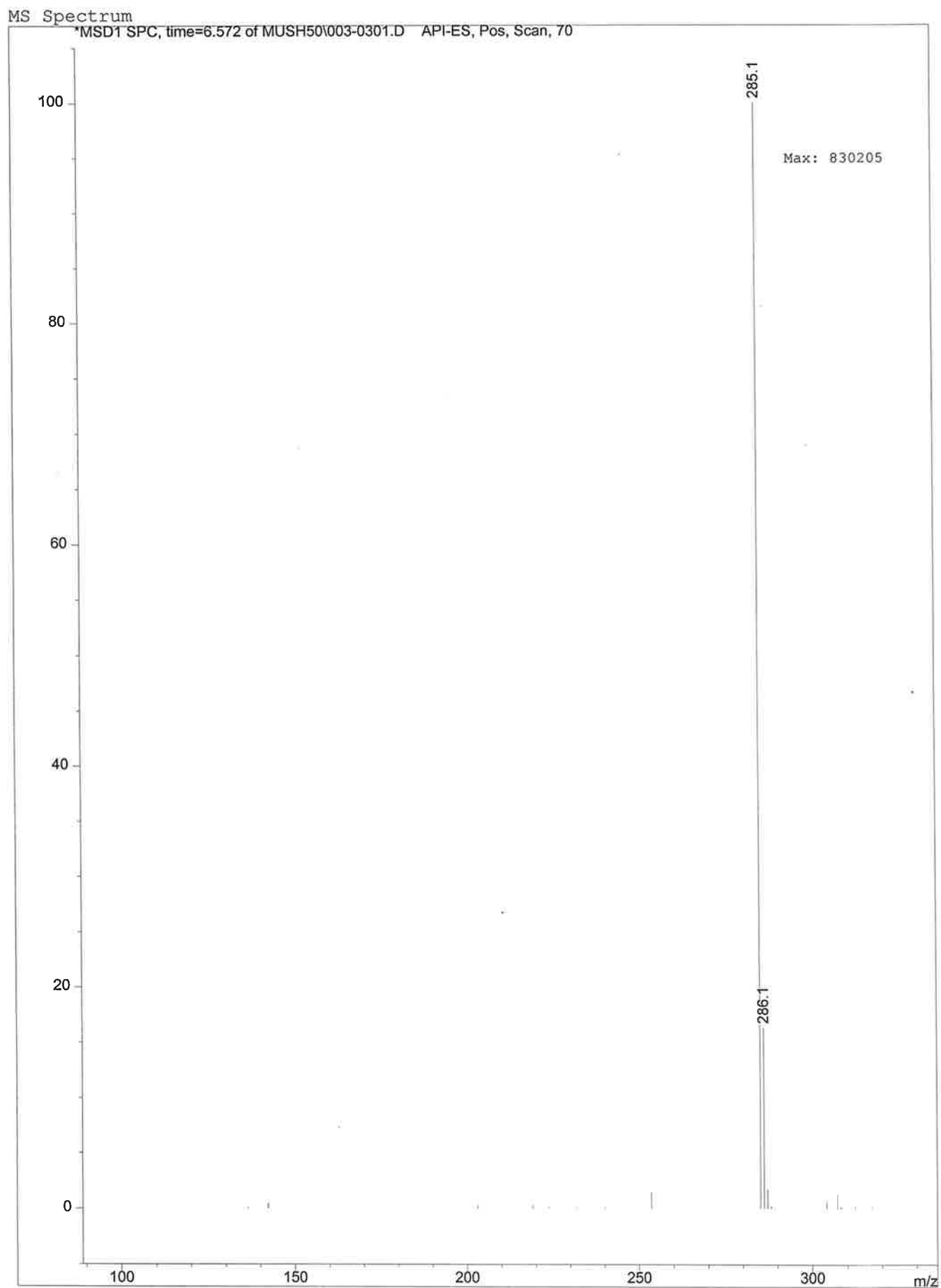
Totals : 1.21351e4 923.67664

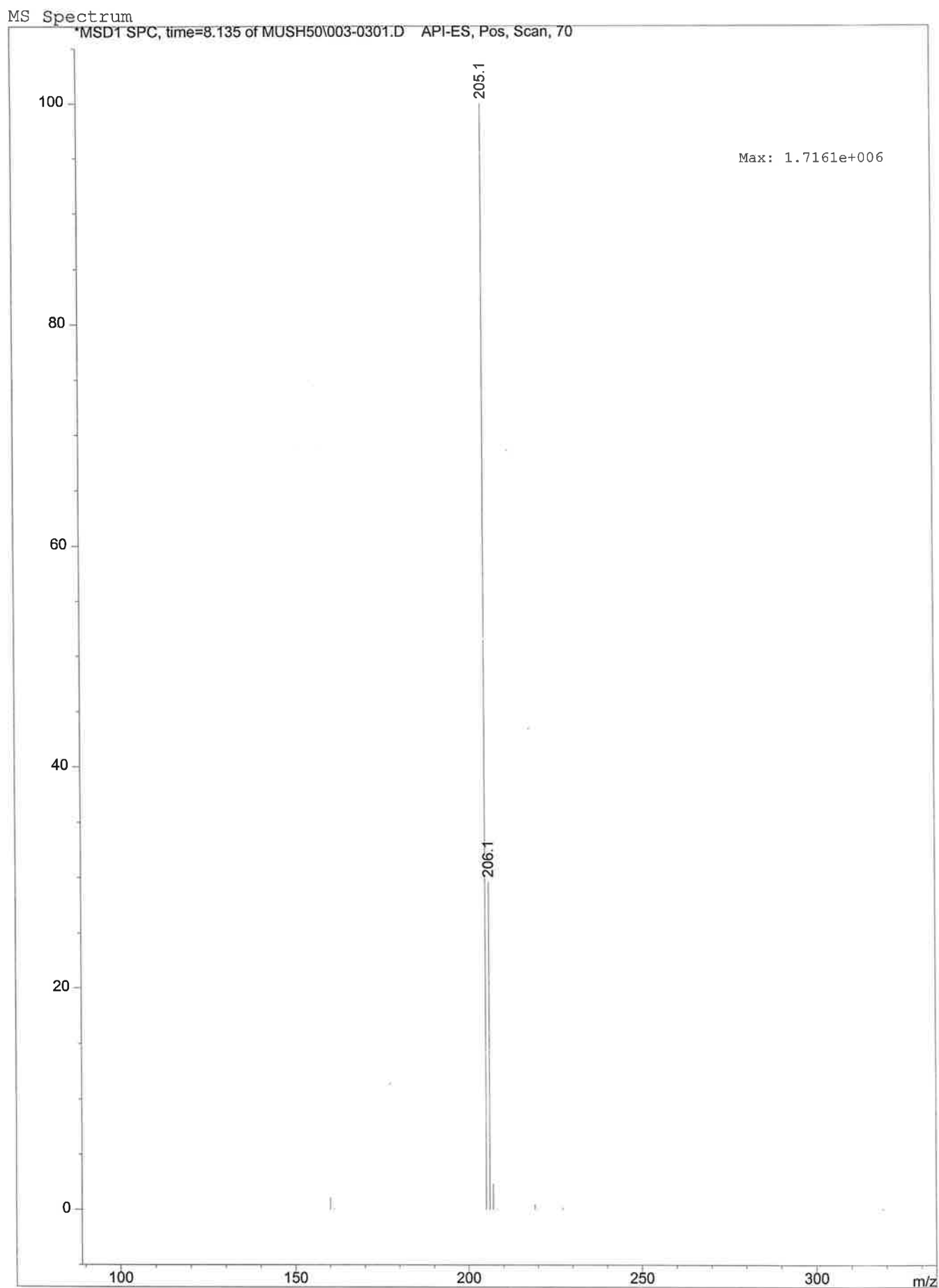
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	6.569	VV	0.2175	1.51209e7	9.08957e5	16.5447
2	8.134	VV	0.4517	7.62731e7	2.12429e6	83.4553

Totals : 9.13940e7 3.03324e6

*** End of Report ***

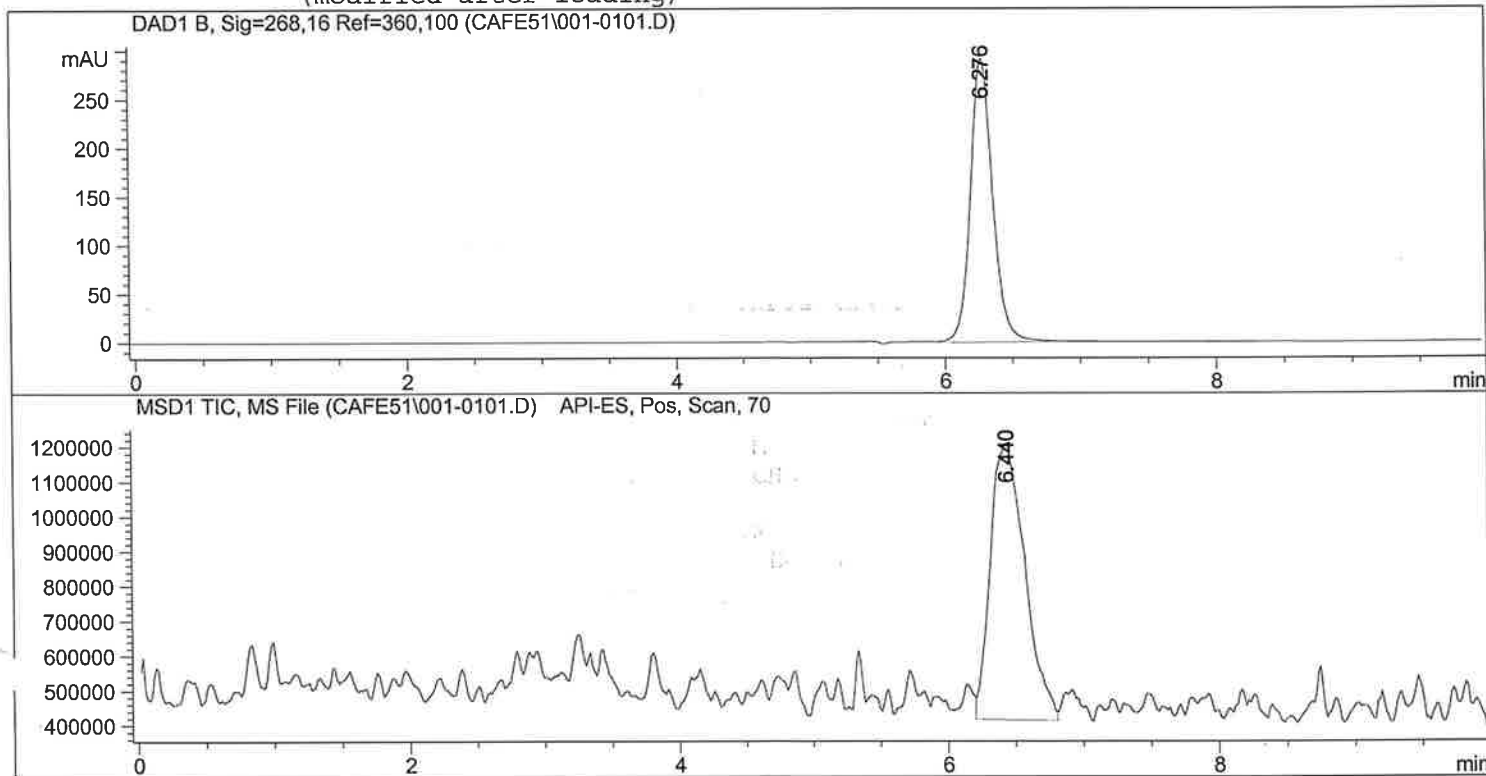




=====

Injection Date	: 9/27/10 1:59:10 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/27/10 2:00:55 PM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/27/10 2:22:33 PM by PATTI CHOATIE (modified after loading)		

5% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.276	BB	0.1761	3343.66455	290.96149	100.0000

Totals : 3343.66455 290.96149

Signal 2: MSD1 TIC, MS File

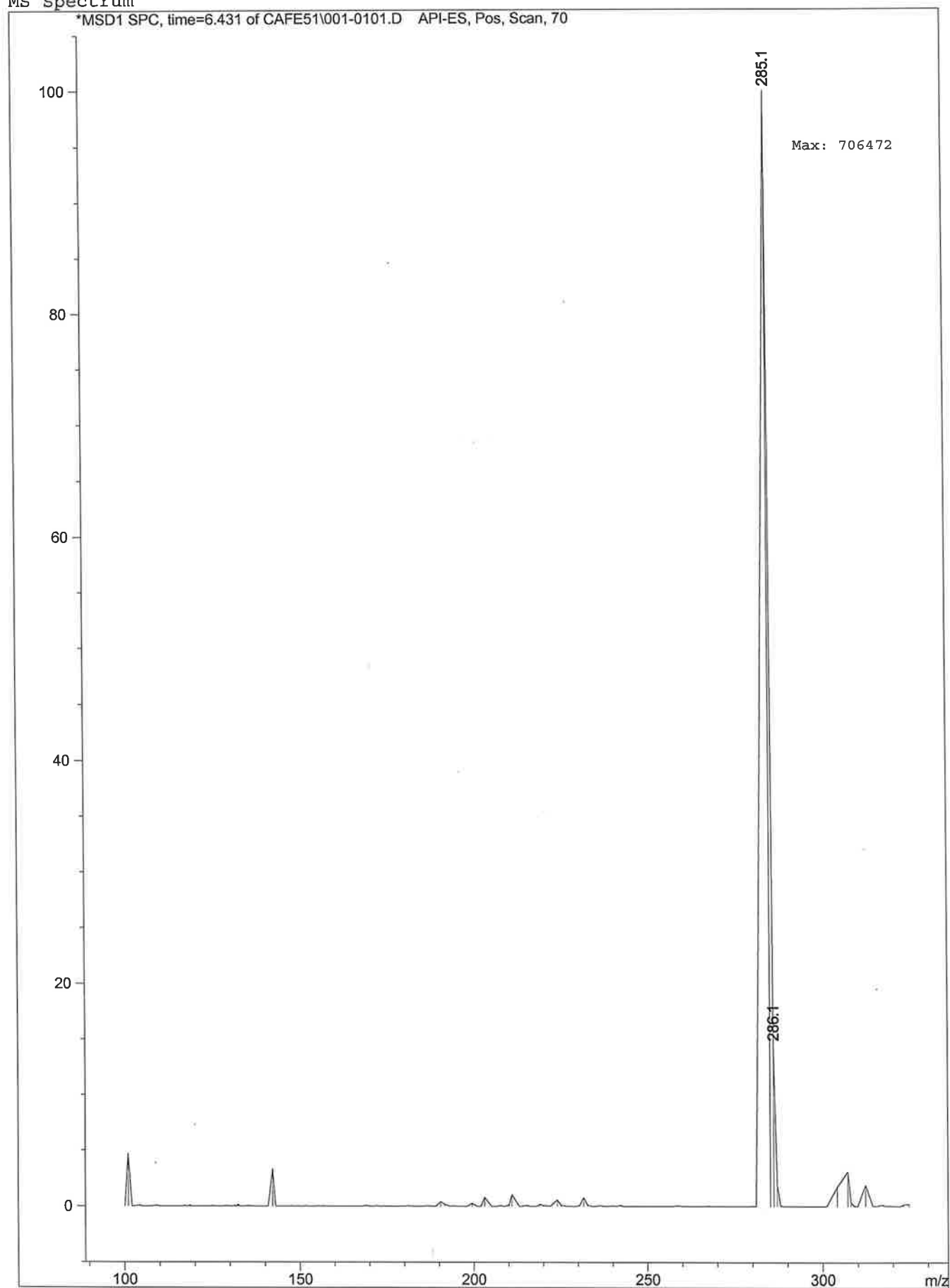
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	6.440	VV	0.2238	1.40256e7	7.98025e5	100.0000

Totals : 1.40256e7 7.98025e5

5% ACN

MS Spectrum

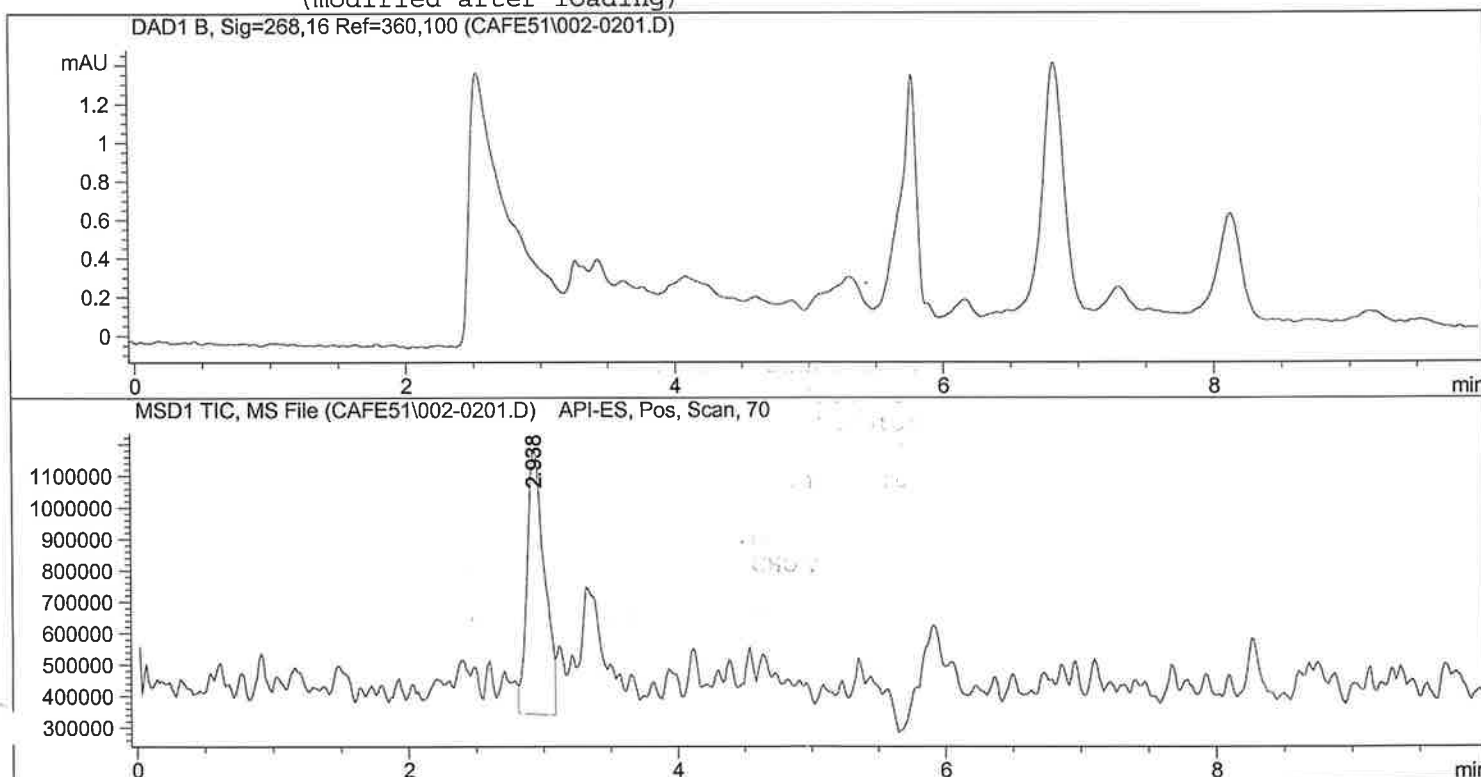
*MSD1 SPC, time=6.431 of CAFE51\001-0101.D API-ES, Pos, Scan, 70



=====

Injection Date	: 9/27/10 2:10:36 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSH.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/27/10 2:11:07 PM by PATTI CHOATIE		
	(modified after loading)		

5 % AEN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.938	VV	0.1319	7.57513e6	8.51914e5	100.0000

Totals : 7.57513e6 8.51914e5

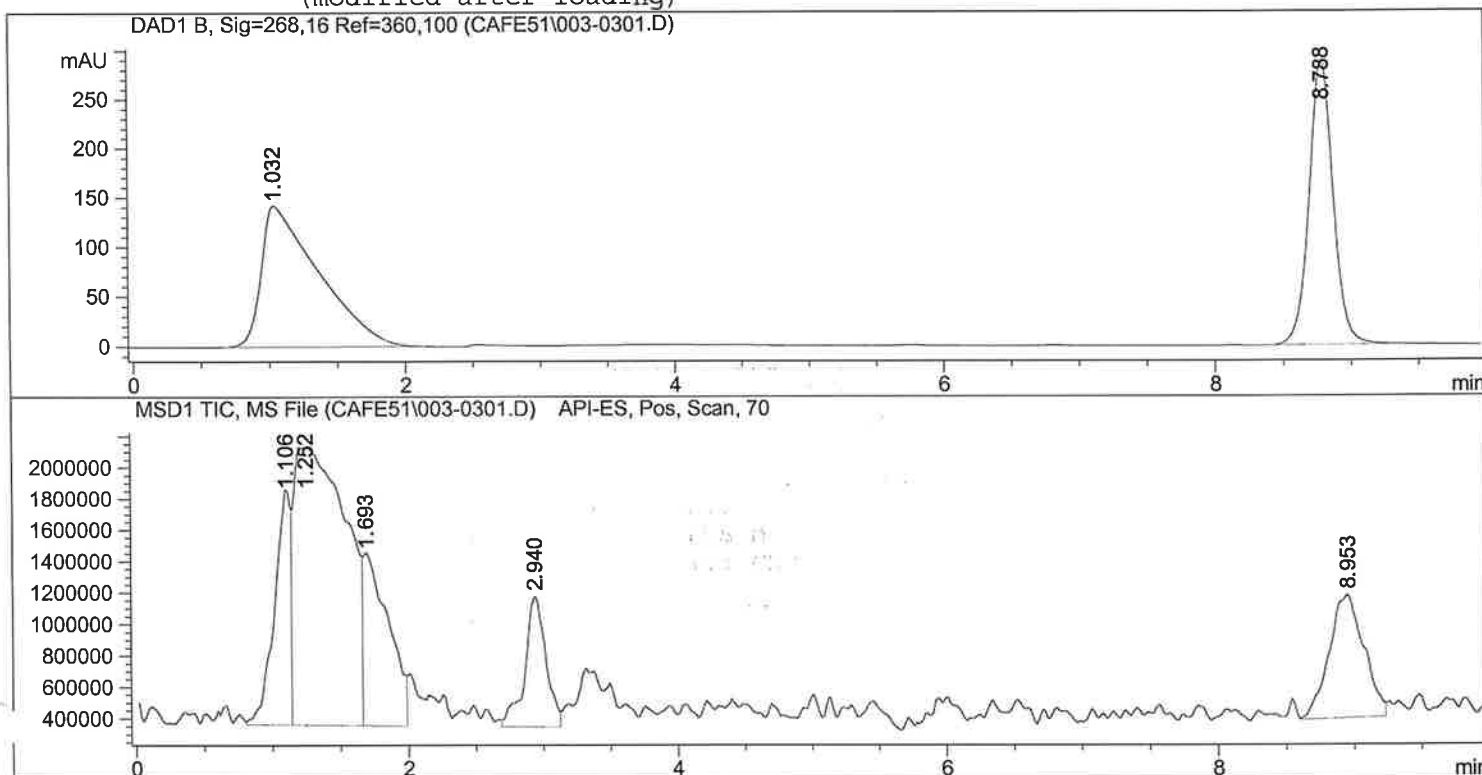
=====
*** End of Report ***
=====

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Injection Date	: 9/27/10 2:22:04 PM	Seq. Line	: 3
Sample Name	: Pscybin & Pscyn	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSH.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/27/10 2:24:26 PM by PATTI CHOATIE
(modified after loading)

5% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.032	BB	0.3986	4170.77588	142.01830	54.2528
2	8.788	PB	0.1868	3516.89600	287.27664	45.7472

Totals : 7687.67187 429.29494

Signal 2: MSD1 TIC, MS File

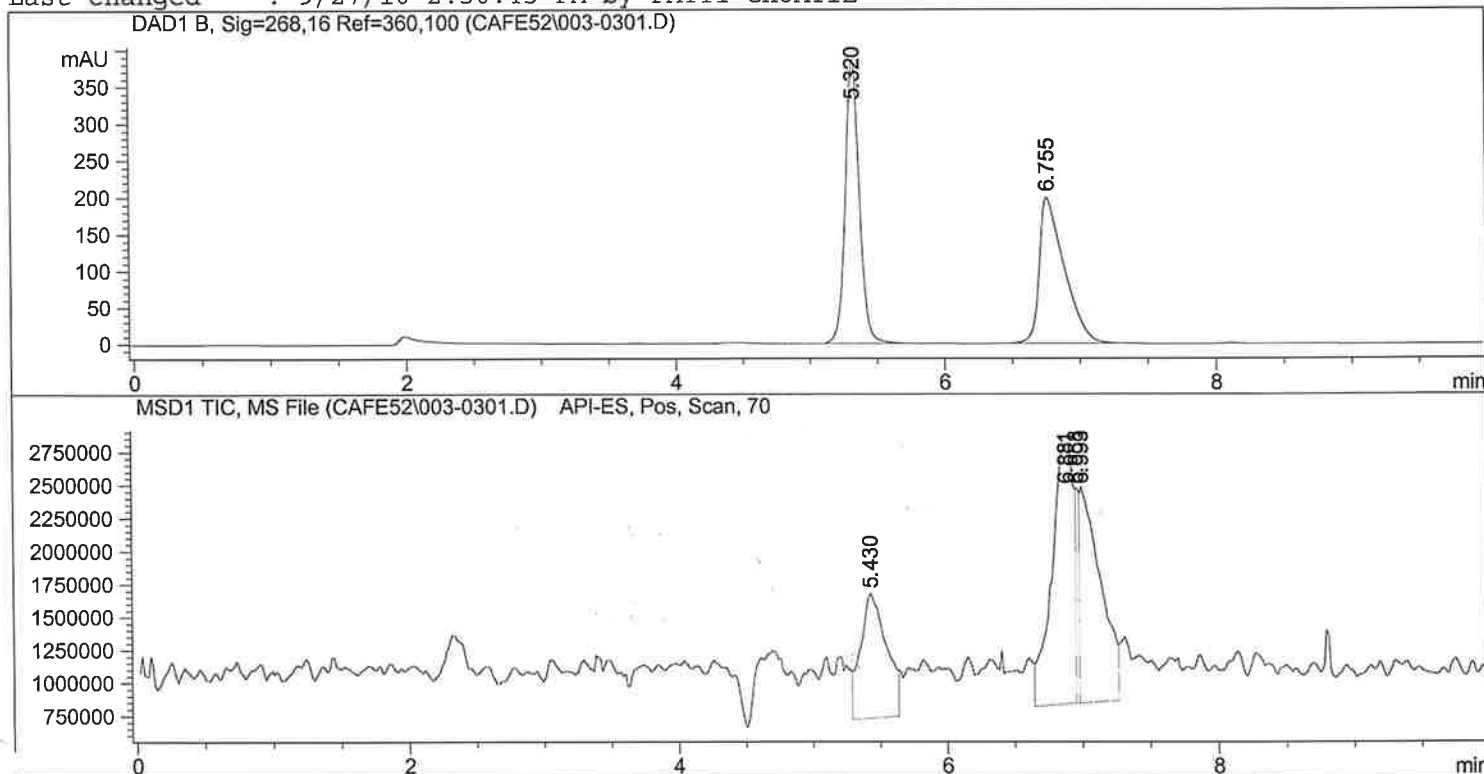
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	1.106	VV	0.1230	1.23180e7	1.51542e6	12.6742
2	1.252	VV	0.3268	4.75813e7	1.77480e6	48.9574
3	1.693	VV	0.2143	1.41912e7	1.10344e6	14.6017
4	2.940	VV	0.1507	9.07277e6	8.32052e5	9.3352

=====

Injection Date	: 9/27/10 3:13:52 PM	Seq. Line	: 3
Sample Name	: Pscybin & Pscyn	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSH.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/27/10 2:50:45 PM by PATTI CHOATIE		

=====

7% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.320	BB	0.1114	2825.56909	385.93741	52.4081
2	6.755	BB	0.1842	2565.89990	199.34303	47.5919

Totals : 5391.46899 585.28044

Signal 2: MSD1 TIC, MS File

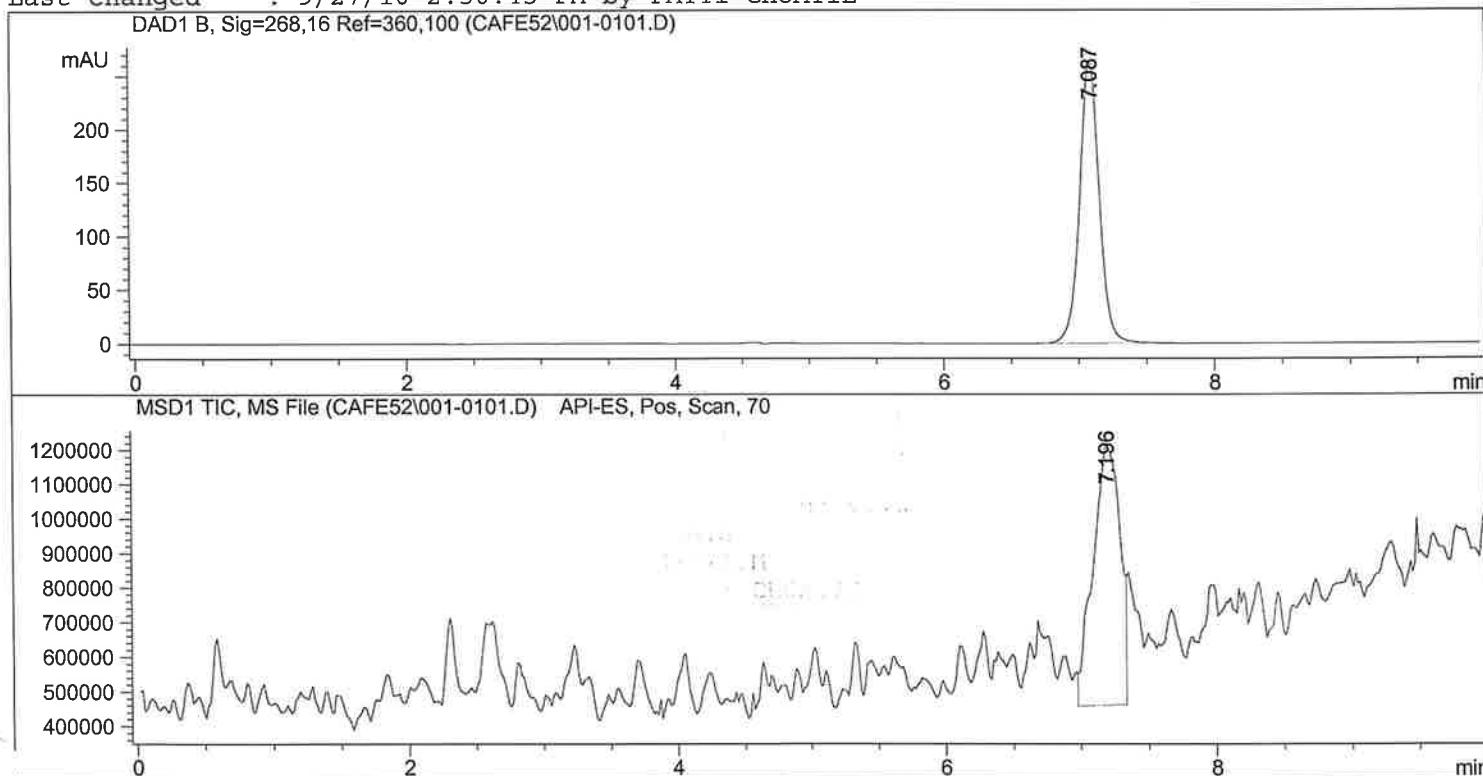
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	5.430	VV	0.1752	1.26940e7	9.46431e5	23.1138
2	6.881	VV	0.1696	2.23078e7	1.97108e6	40.6189
3	6.958	VV	0.0252	2.46390e6	1.63127e6	4.4864
4	6.993	VV	0.1776	1.74540e7	1.63822e6	31.7810

=====

Injection Date	: 9/27/10 2:51:00 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSH.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/27/10 2:50:45 PM by PATTI CHOATIE		

=====

7% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.087	BB	0.1529	2650.78857	264.45859	100.0000

Totals : 2650.78857 264.45859

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	7.196	VV	0.1980	1.03937e7	7.55776e5	100.0000

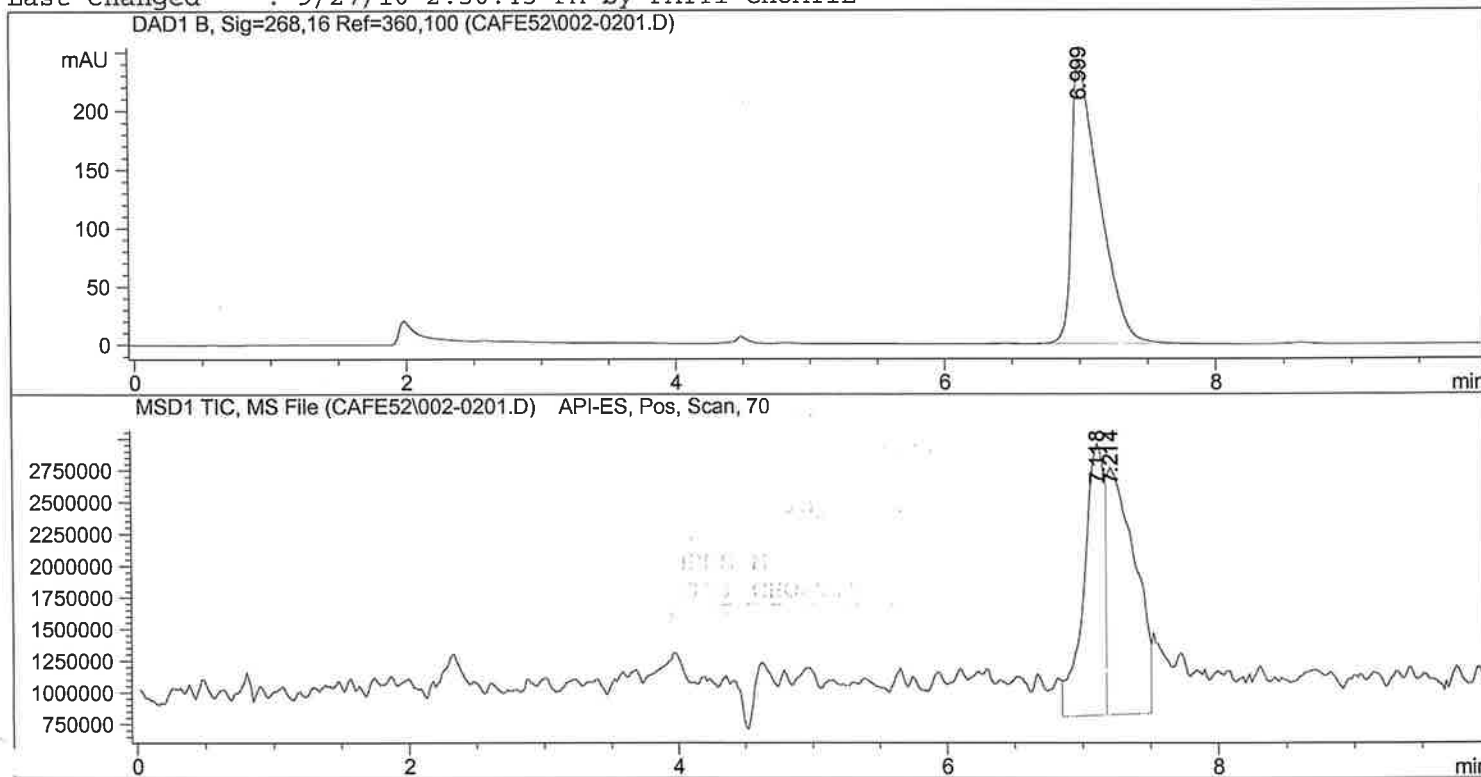
Totals : 1.03937e7 7.55776e5

=====

Injection Date	: 9/27/10 3:02:26 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSH.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/27/10 2:50:45 PM by PATTI CHOATIE		

=====

7% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.999	BB	0.2013	3425.34497	241.69479	100.0000

Totals : 3425.34497 241.69479

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	7.118	VV	0.1605	2.25345e7	2.13731e6	44.6274
2	7.214	VV	0.2393	2.79603e7	1.94754e6	55.3726

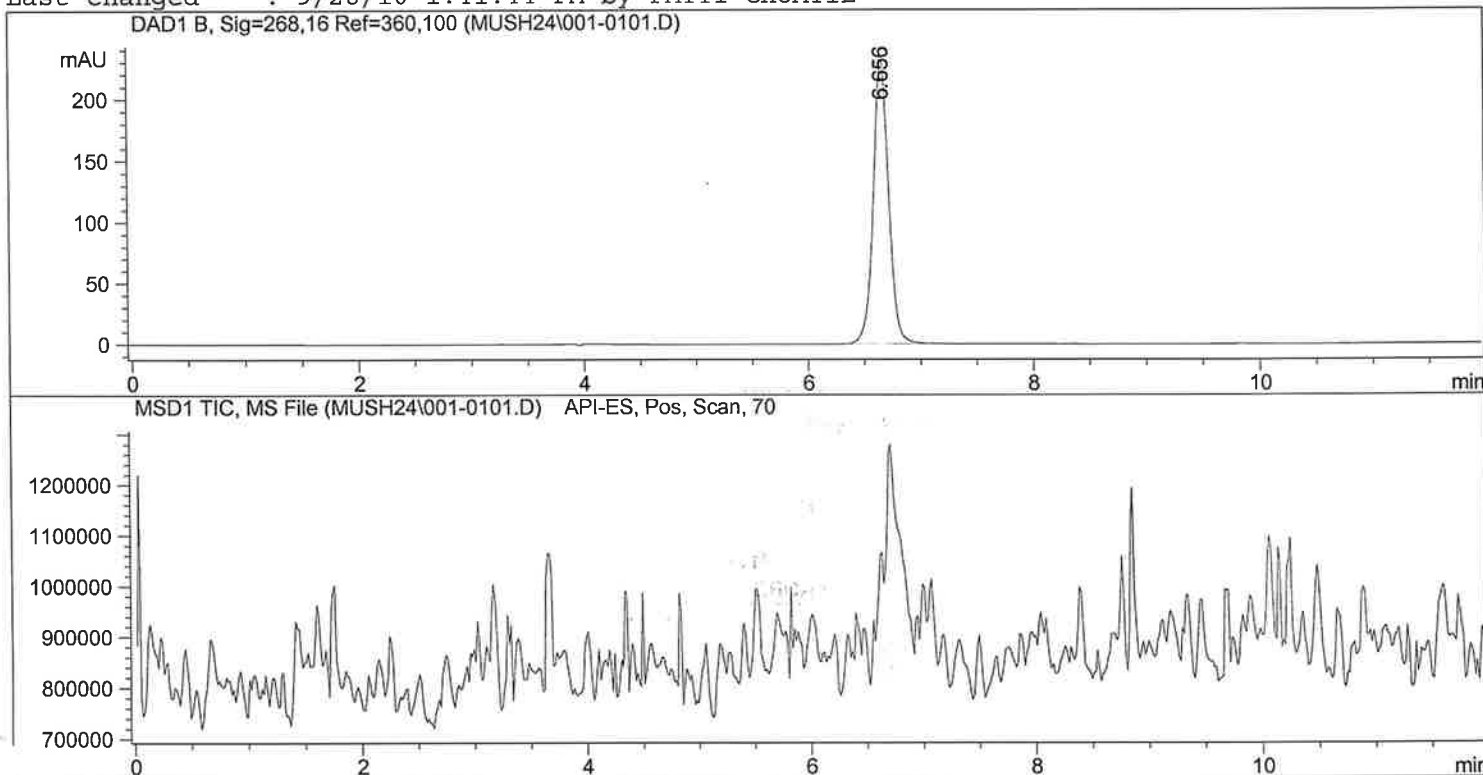
Totals : 5.04948e7 4.08486e6

=====

Injection Date	: 9/28/10 1:41:25 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSH.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/28/10 1:41:44 PM by PATTI CHOATIE		

=====

0.6 µ/min
7% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.656	BB	0.1456	2212.35205	231.35251	100.0000

Totals : 2212.35205 231.35251

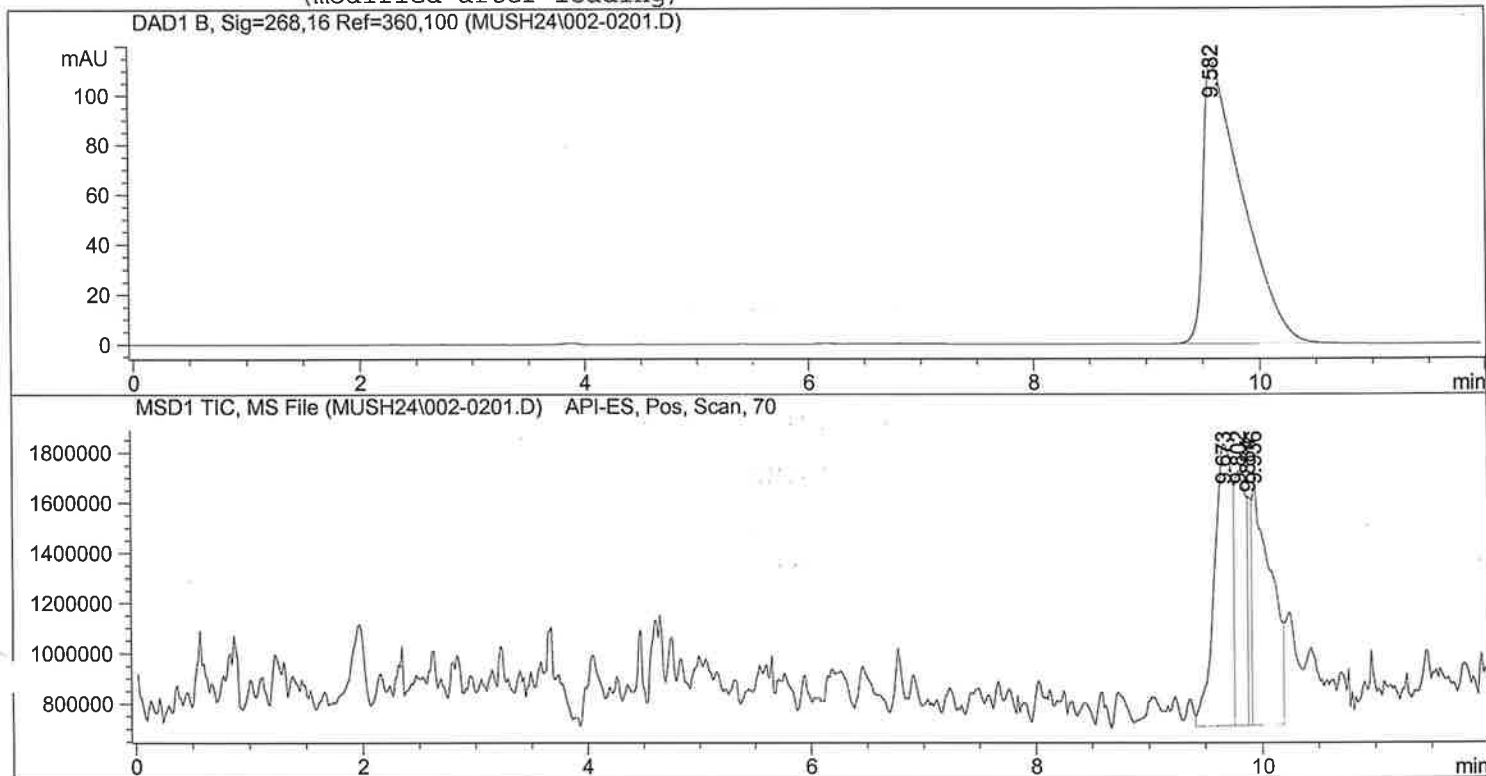
Signal 2: MSD1 TIC, MS File

=====
*** End of Report ***
=====

=====

Injection Date	: 9/28/10 1:54:50 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/28/10 2:00:21 PM by PATTI CHOATIE (modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/28/10 2:22:19 PM by PATTI CHOATIE (modified after loading)		

0.6 ml/min



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.582	BB	0.3268	2715.94727	114.47842	100.0000

Totals : 2715.94727 114.47842

Signal 2: MSD1 TIC, MS File

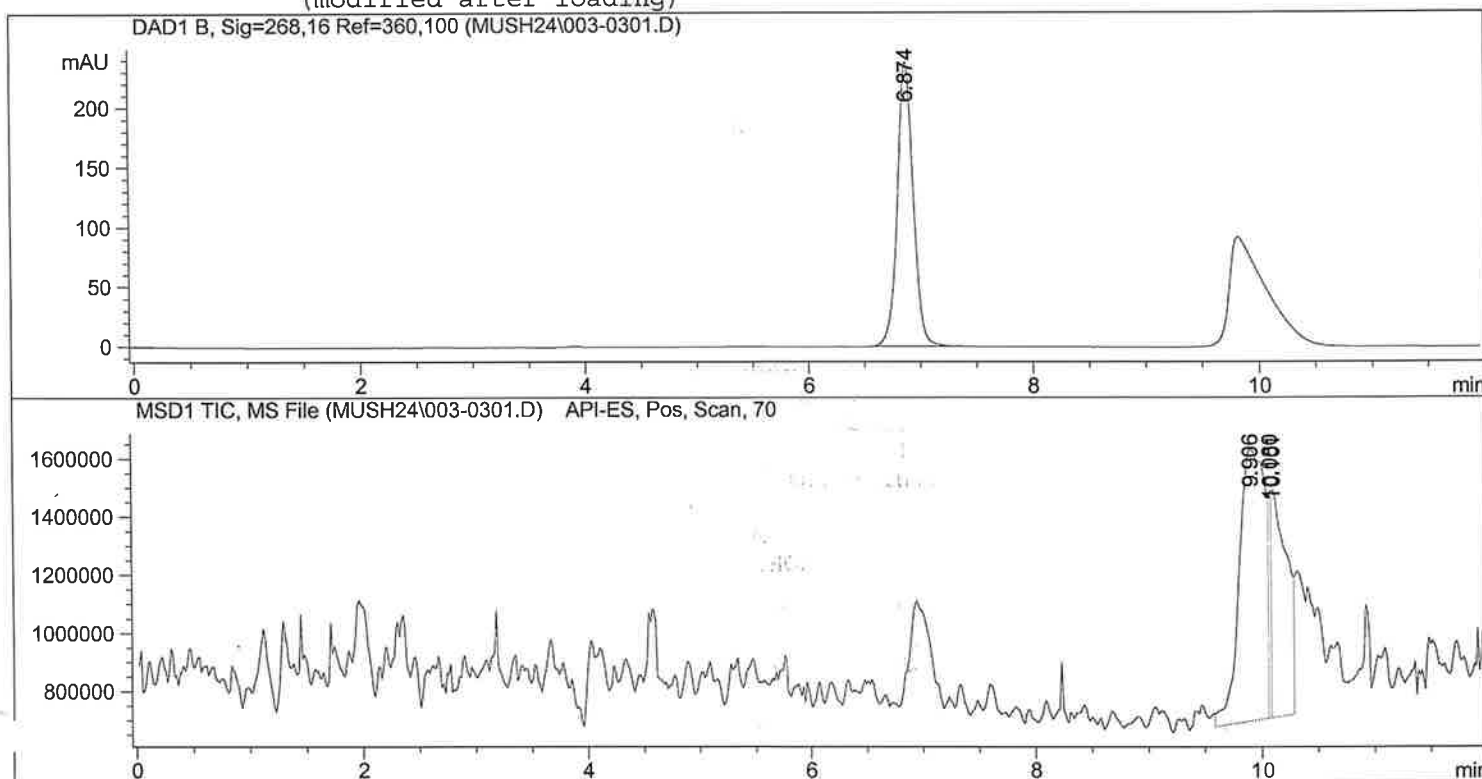
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	9.673	VV	0.1568	1.23844e7	1.12335e6	38.3417
2	9.802	VV	0.0876	6.82046e6	1.01730e6	21.1159
3	9.884	VV	0.0356	1.93804e6	9.07893e5	6.0001

=====

Injection Date	: 9/28/10 2:08:17 PM	Seq. Line	: 3
Sample Name	: Pscybin & Pscyn	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSH.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/28/10 2:10:06 PM by PATTI CHOATIE
(modified after loading)

0.6 ml/min.



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.874	BB	0.1516	2361.66406	238.34128	100.0000

Totals : 2361.66406 238.34128

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	9.906	VV	0.2152	1.47161e7	9.41347e5	63.1213
2	10.080	VV	0.0270	1.26758e6	7.81395e5	5.4370
3	10.101	VV	0.1556	7.33033e6	7.84985e5	31.4417

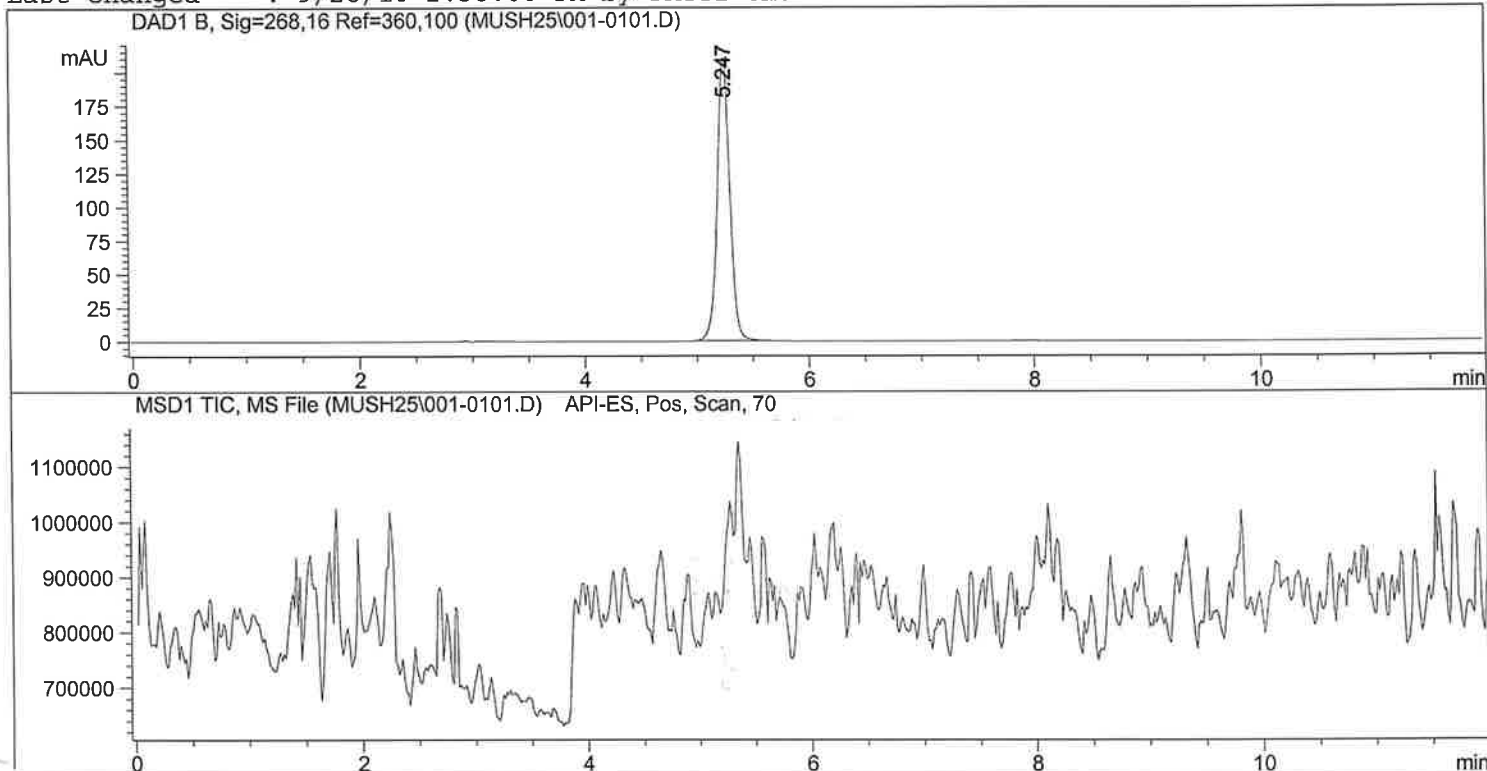
Totals : 2.33141e7 2.50773e6

=====

Injection Date	: 9/28/10 2:38:22 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/28/10 2:38:00 PM by PATTI CHOATIE

7% ACN
0.8 ml/min



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.247	BB	0.1203	1661.56165	210.04944	100.0000

Totals : 1661.56165 210.04944

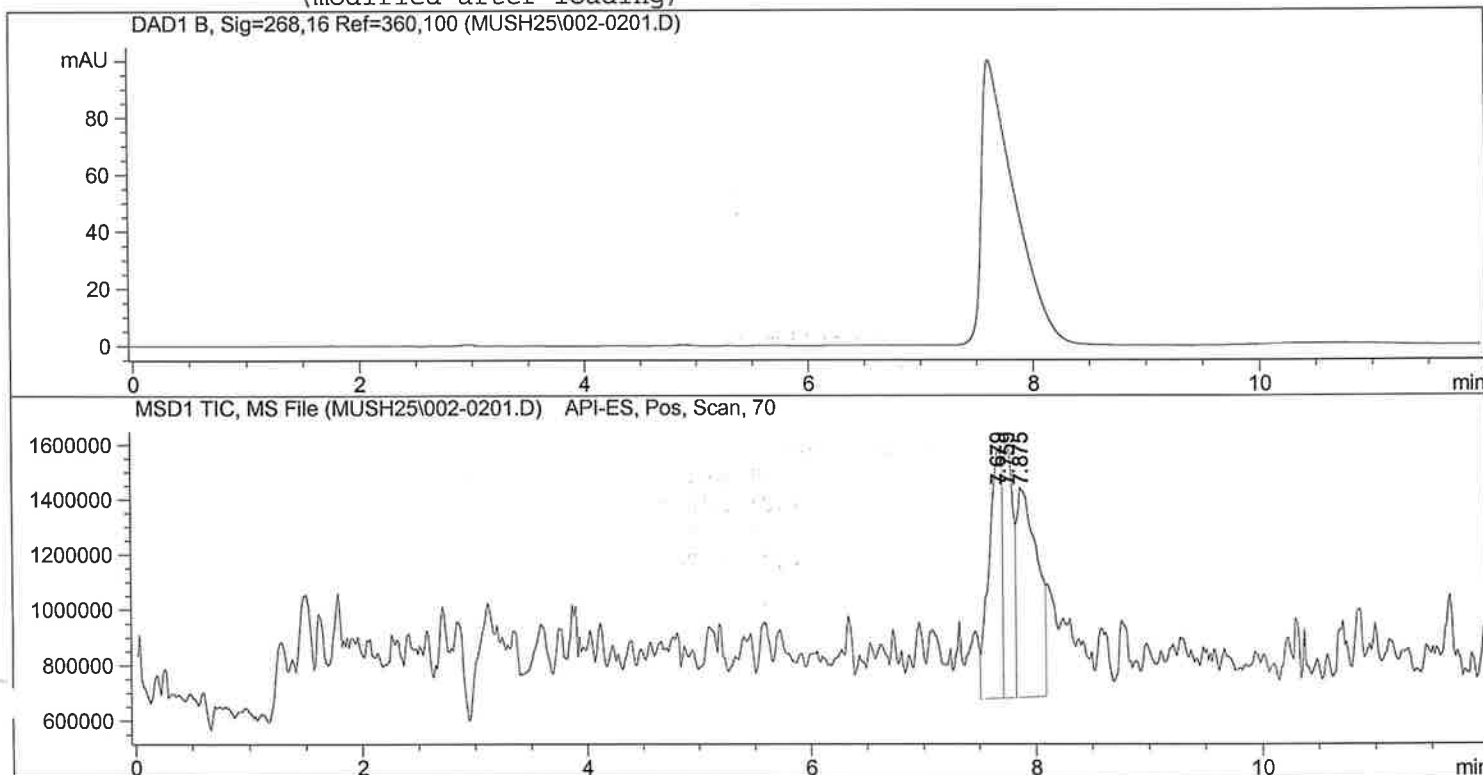
Signal 2: MSD1 TIC, MS File

=====
*** End of Report ***

=====

Injection Date	: 9/28/10 2:51:48 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/28/10 2:38:00 PM by PATTI CHOATIE		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/28/10 3:32:03 PM by PATTI CHOATIE		
	(modified after loading)		

0.8 µl/min.



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	7.679	VV	0.1087	7.26555e6	9.00141e5	32.6212
2	7.759	VV	0.0891	5.51261e6	9.14512e5	24.7508
3	7.875	VV	0.2068	9.49432e6	7.65026e5	42.6280

Totals : 2.22725e7 2.57968e6

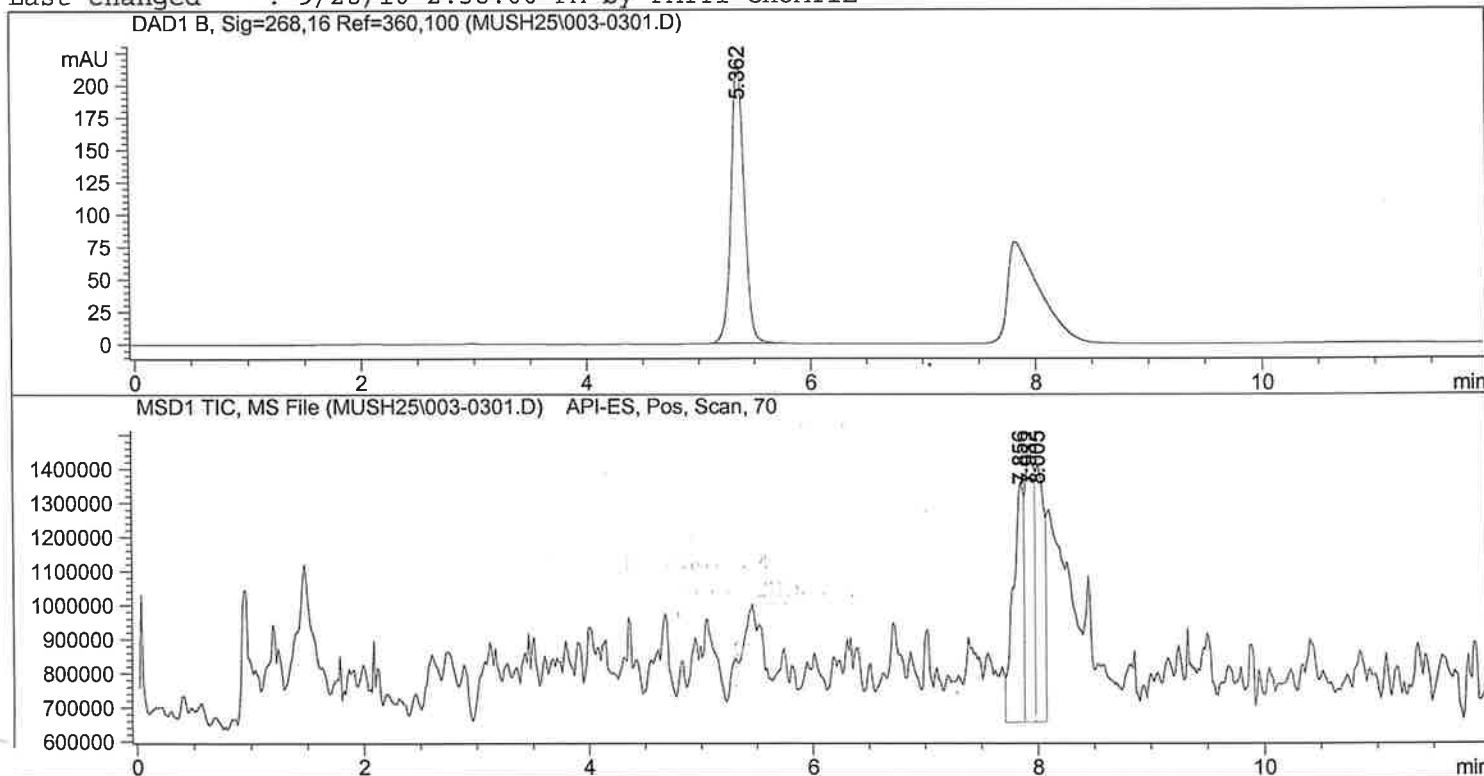
=====
*** End of Report ***
=====

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Injection Date	: 9/28/10 3:05:15 PM	Seq. Line	: 3
Sample Name	: Pscybin & Pscyn	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSH.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/28/10 2:38:00 PM by PATTI CHOATIE

0.8 ml/min.



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.362	BB	0.1243	1770.56042	218.95990	100.0000

Totals : 1770.56042 218.95990

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	7.856	VV	0.0879	4.52641e6	7.08104e5	34.9553
2	7.932	VV	0.0731	4.45324e6	8.15852e5	34.3902
3	8.005	VV	0.0804	3.96949e6	7.51888e5	30.6545

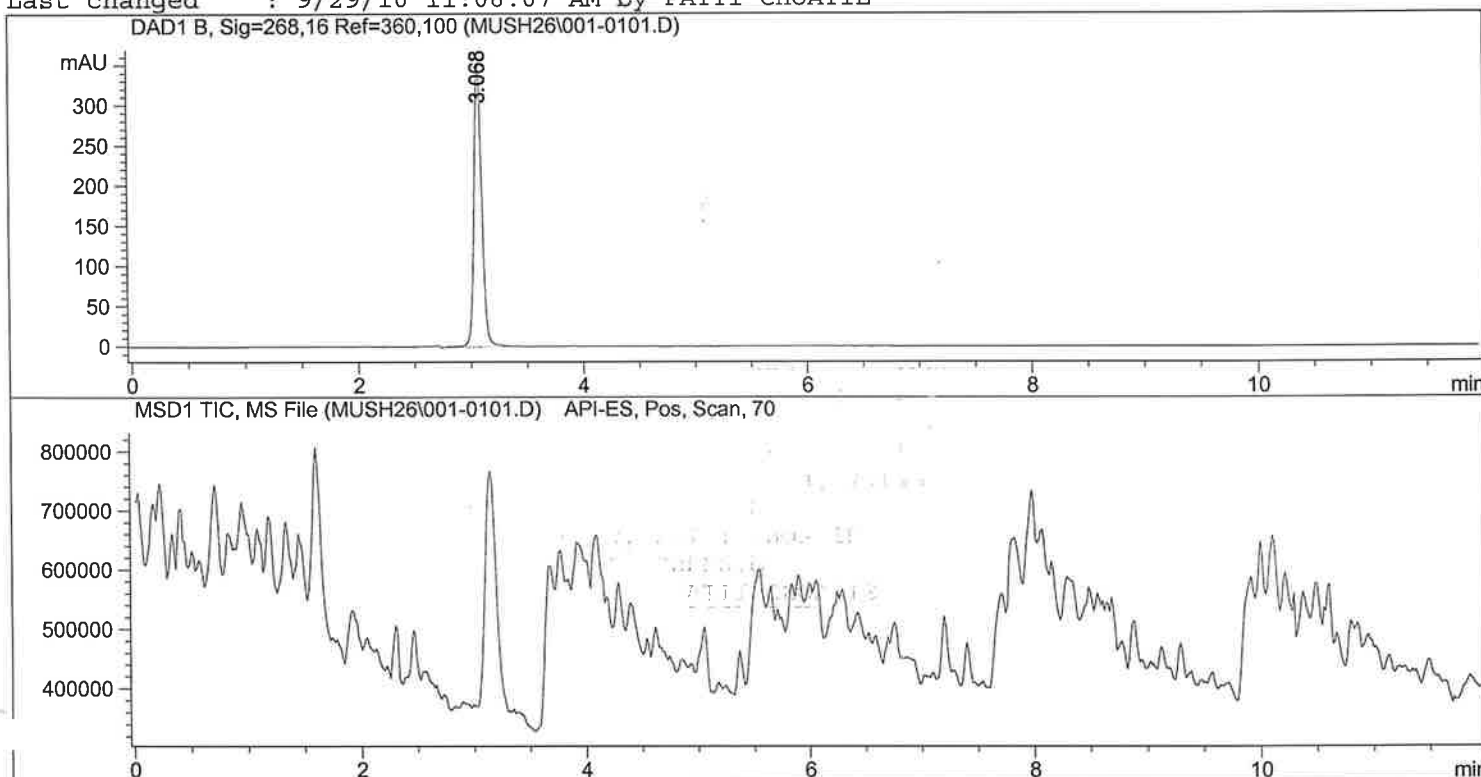
Totals : 1.29491e7 2.27584e6

=====

Injection Date	: 9/29/10 9:56:13 AM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/28/10 2:38:00 PM by PATTI CHOATIE		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 11:06:07 AM by PATTI CHOATIE		

=====

Flow 0.8 ml/min
8% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.068	VB	0.0744	1709.00354	353.51099	100.0000

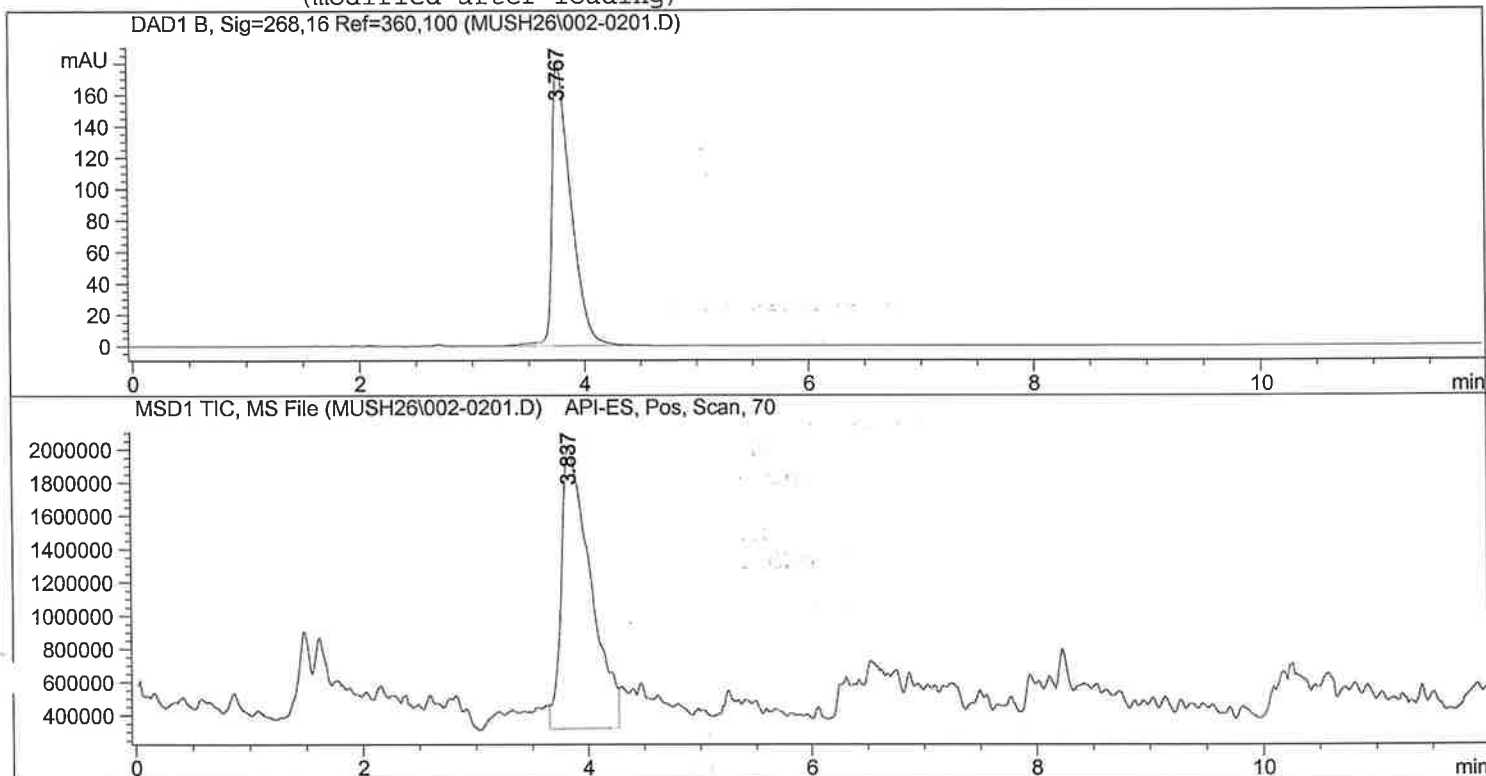
Totals : 1709.00354 353.51099

Signal 2: MSD1 TIC, MS File

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*** End of Report ***
=====

```
=====
Injection Date   : 9/29/10 10:09:40 AM      Seq. Line :    2
Sample Name      : Psilocyn Std.            Location  : Vial 2
Acq. Operator    : PATTI CHOATIE             Inj       :    1
                                           Inj Volume: 10 µl

Acq. Method      : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed     : 9/29/10 10:11:29 AM by PATTI CHOATIE
                  (modified after loading)
Analysis Method  : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed     : 9/29/10 11:06:35 AM by PATTI CHOATIE
                  (modified after loading)
=====
```



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

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
```

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.767	BB	0.1686	2090.73022	181.25882	100.0000

Totals : 2090.73022 181.25882

Signal 2: MSD1 TIC, MS File

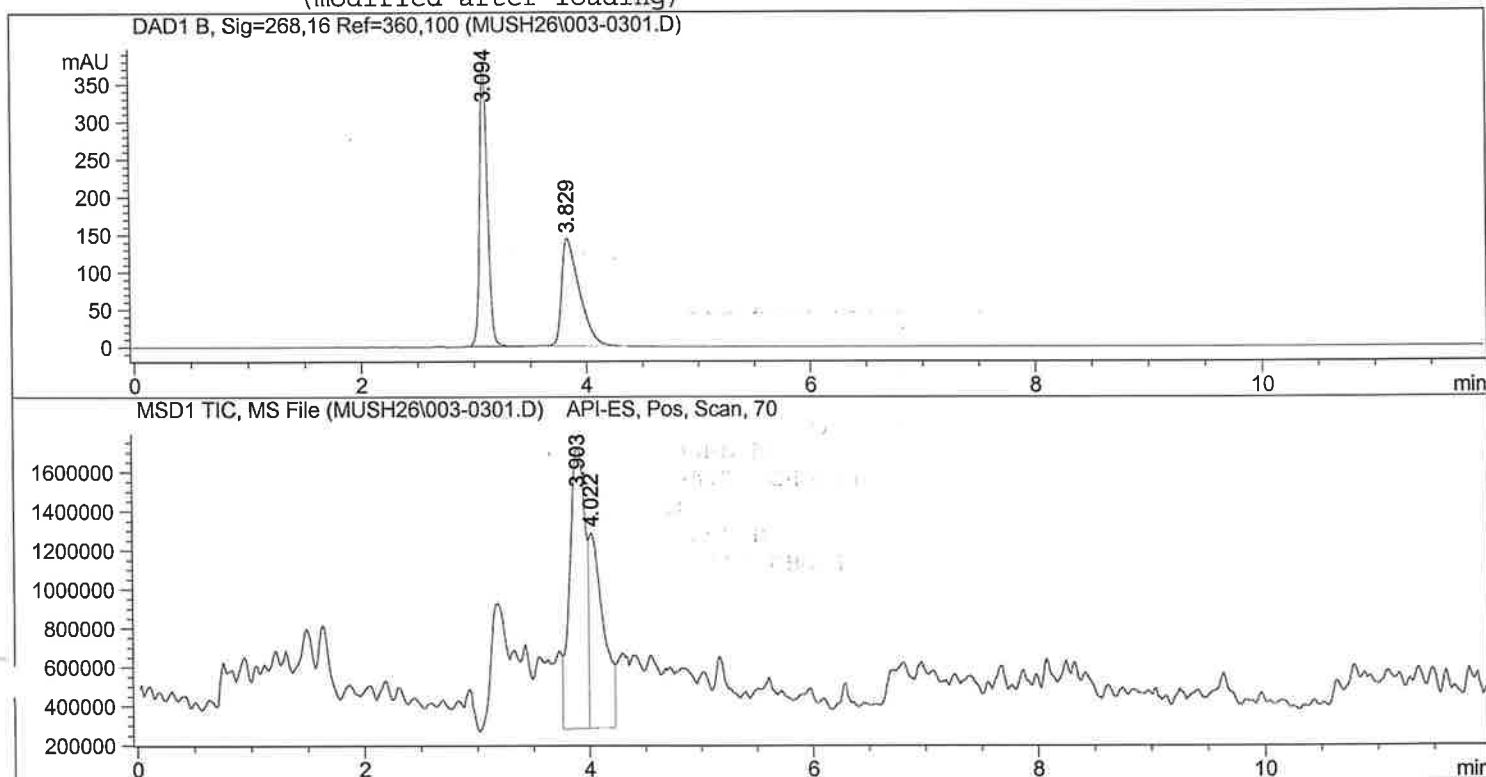
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.837	VV	0.2368	3.04610e7	1.70301e6	100.0000

Totals : 3.04610e7 1.70301e6

=====

Injection Date	: 9/29/10 10:23:07 AM	Seq. Line	: 3
Sample Name	: Pscybin & Pscyn	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/29/10 10:23:41 AM by PATTI CHOATIE
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/29/10 11:06:52 AM by PATTI CHOATIE
(modified after loading)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.094	BP	0.0736	1802.78052	378.17197	53.2119
2	3.829	BB	0.1625	1585.14380	143.86813	46.7881

Totals : 3387.92432 522.04010

Signal 2: MSD1 TIC, MS File

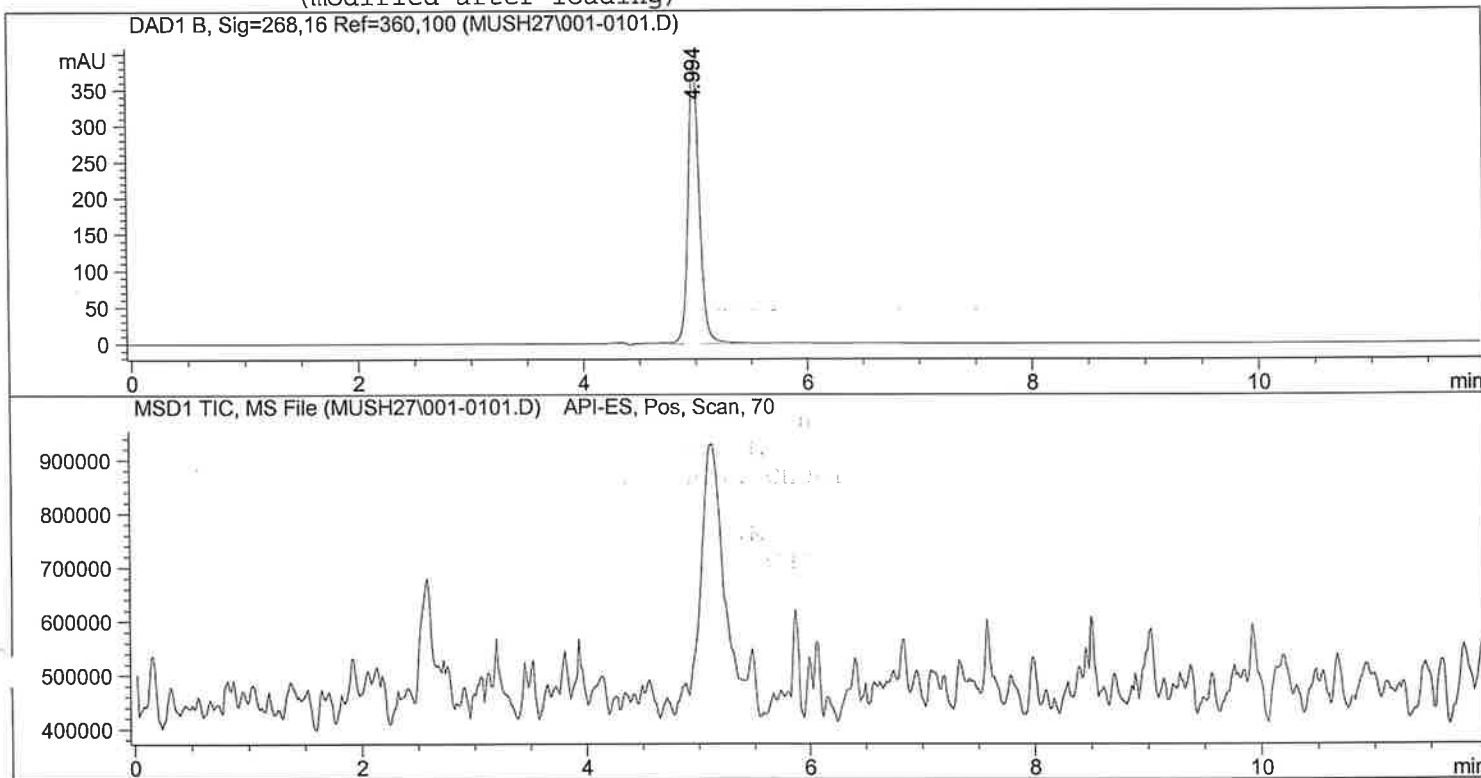
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.903	VV	0.1426	1.41569e7	1.44298e6	61.3730
2	4.022	VV	0.1477	8.91009e6	1.00509e6	38.6270

=====

Injection Date	: 9/29/10 11:05:46 AM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 11:07:05 AM by PATTI CHOATIE		
	(modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 11:33:15 AM by PATTI CHOATIE		
	(modified after loading)		

=====

~~Flow 0.8~~
Flow 0.5 ml/min
8% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.994	BB	0.1051	2710.45874	389.86938	100.0000

Totals : 2710.45874 389.86938

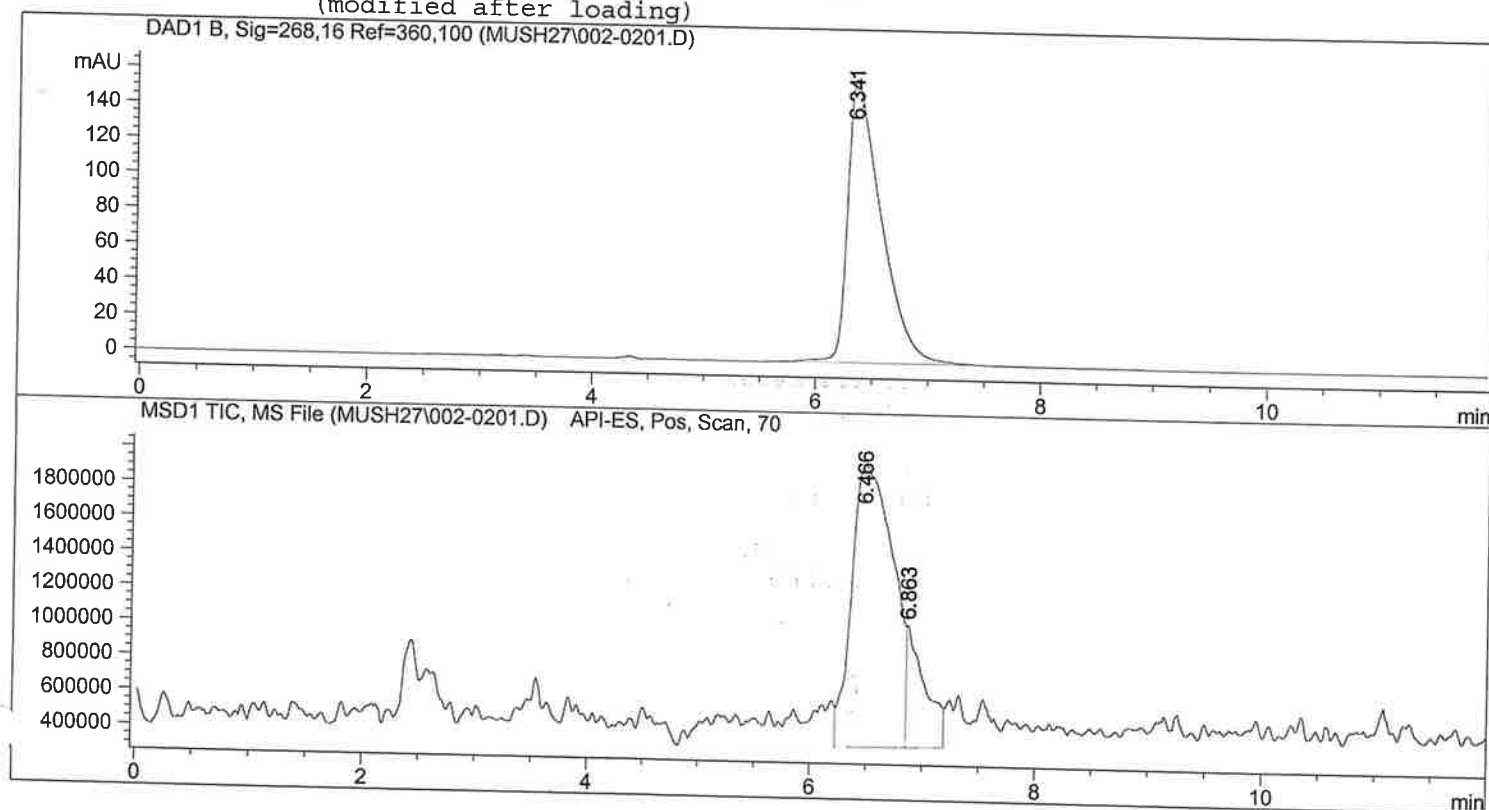
Signal 2: MSD1 TIC, MS File

=====
*** End of Report ***

=====

Injection Date	: 9/29/10 11:19:13 AM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSH.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 11:19:48 AM by PATTI CHOATIE		
	(modified after loading)		

=====



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.341	BB	0.3017	3307.68726	159.69223	100.0000

Totals : 3307.68726 159.69223

Signal 2: MSD1 TIC, MS File

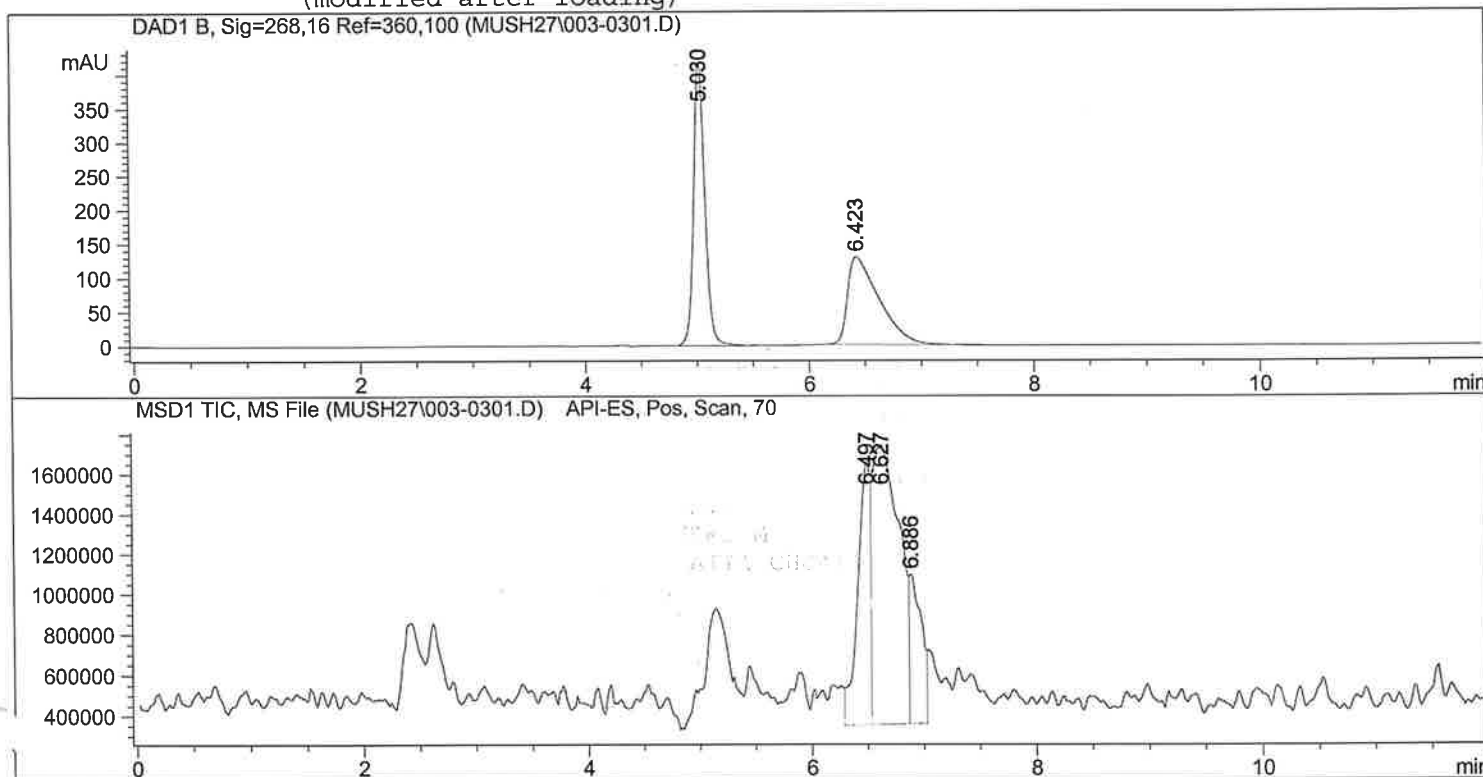
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	6.466	VV	0.3395	4.14210e7	1.62574e6	83.9816
2	6.863	VV	0.1876	7.90054e6	7.01793e5	16.0184

Totals : 4.93215e7 2.32753e6

=====

Injection Date	: 9/29/10 11:32:40 AM	Seq. Line	: 3
Sample Name	: Pscybin & Pscyn	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSH.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 9/29/10 11:40:45 AM by PATTI CHOATIE
(modified after loading)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.030	BB	0.1053	2910.59692	417.91107	53.5593
2	6.423	BB	0.2909	2523.74829	128.62952	46.4407

Totals : 5434.34521 546.54059

Signal 2: MSD1 TIC, MS File

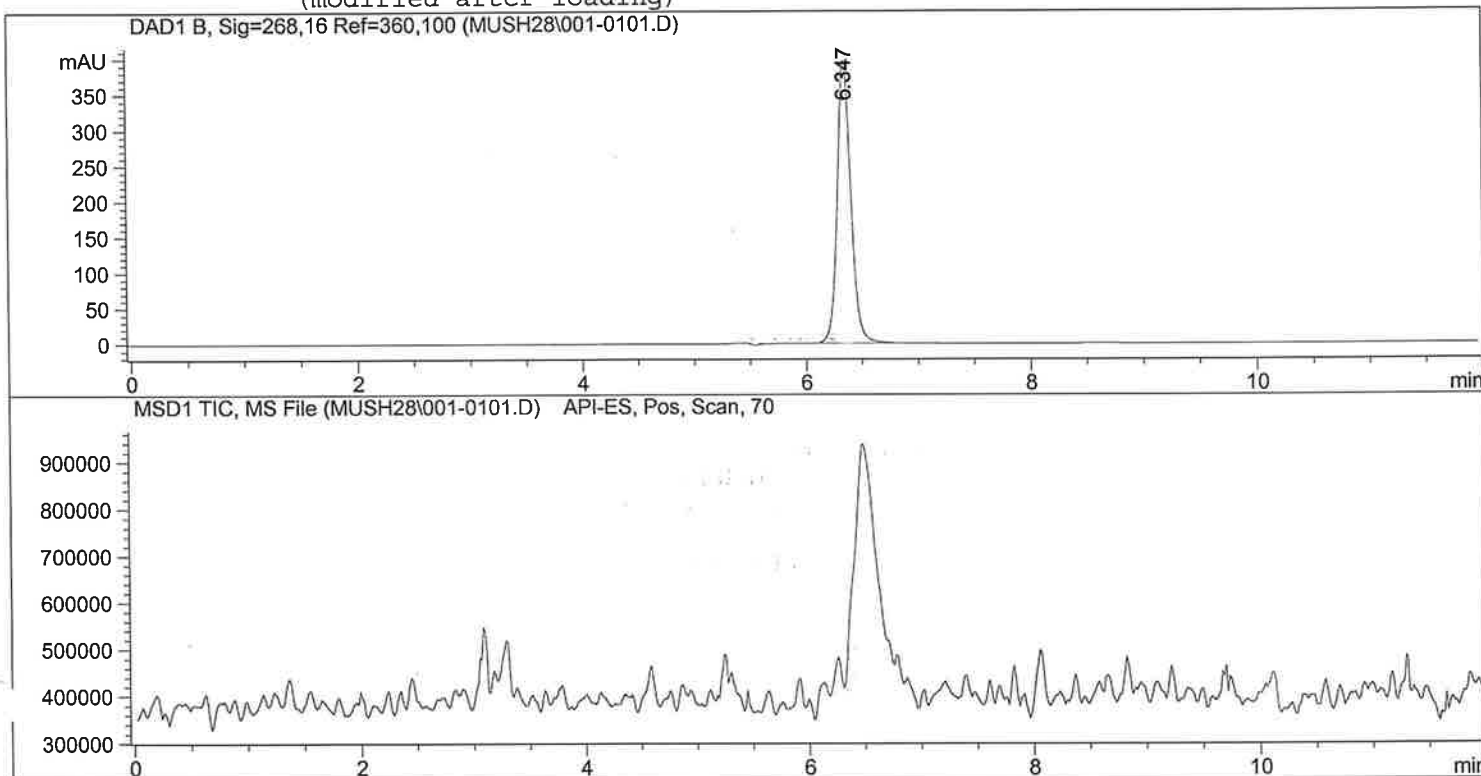
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	6.497	VV	0.1142	1.02075e7	1.31202e6	26.2888
2	6.627	VV	0.2079	2.31227e7	1.39185e6	59.5512
3	6.886	VV	0.1237	5.49808e6	7.40505e5	14.1600

=====

Injection Date	: 9/29/10 12:09:53 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 12:10:00 PM by PATTI CHOATIE		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 1:10:49 PM by PATTI CHOATIE		
	(modified after loading)		

=====

Flow 0.4 ml/min
8% ACN



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.347	BB	0.1287	3348.44385	395.65430	100.0000

Totals : 3348.44385 395.65430

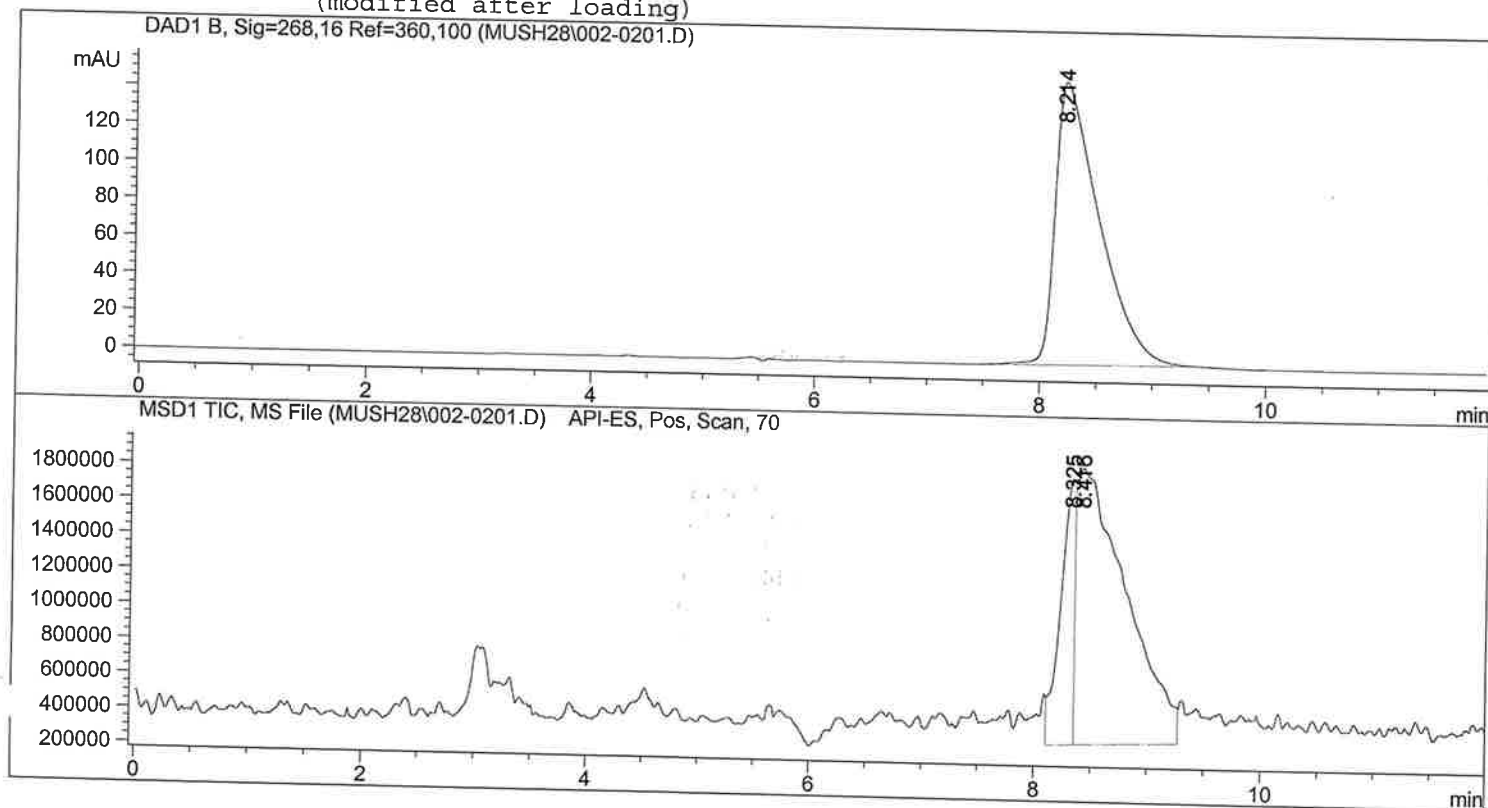
Signal 2: MSD1 TIC, MS File

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*** End of Report ***

=====

Injection Date	: 9/29/10 12:23:20 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 12:10:00 PM by PATTI CHOATIE		
Analysis Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 1:09:35 PM by PATTI CHOATIE		
	(modified after loading)		

=====



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.214	BB	0.3988	4077.76685	150.15981	100.0000

Totals : 4077.76685 150.15981

Signal 2: MSD1 TIC, MS File

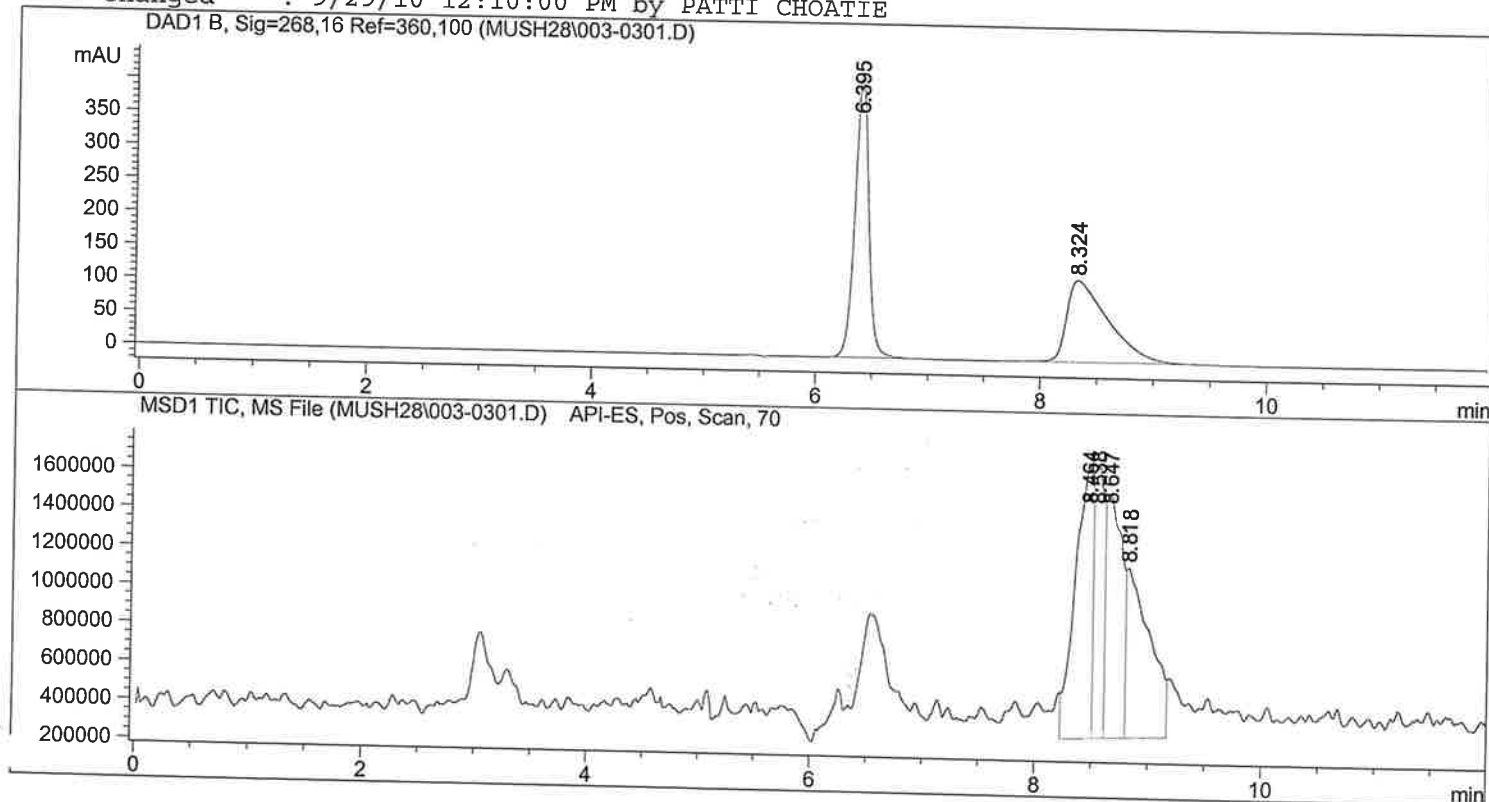
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	8.325	VV	0.1240	1.30908e7	1.51893e6	21.3522
2	8.416	VV	0.3751	4.82182e7	1.57882e6	78.6478

Totals : 6.13090e7 3.09776e6

=====

Injection Date	: 9/29/10 12:36:47 PM	Seq. Line	: 3
Sample Name	: Pscybin & Pscyn	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\MUSH.S		
Method	: C:\HPCHEM\1\METHODS\MUSHRMS.M		
Last changed	: 9/29/10 12:10:00 PM by PATTI CHOATIE		

=====



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.395	BB	0.1295	3626.95239	425.36691	53.5078
2	8.324	BB	0.3787	3151.40918	122.28627	46.4922

Totals : 6778.36157 547.65318

Signal 2: MSD1 TIC, MS File

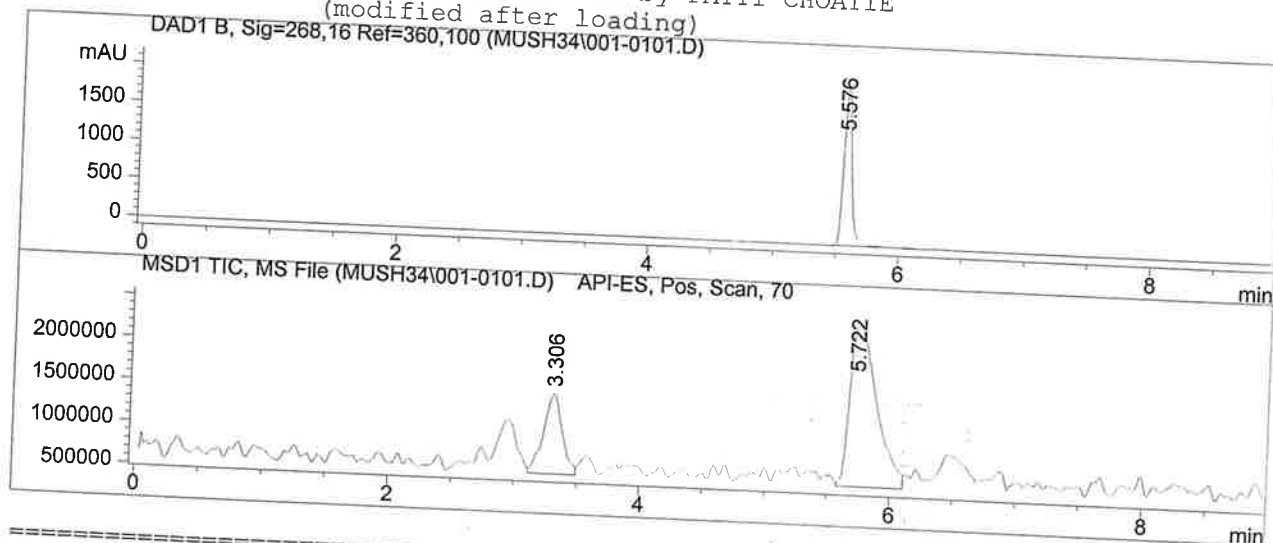
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	8.464	VV	0.1438	1.52638e7	1.42372e6	31.1520
2	8.538	VV	0.0846	8.55065e6	1.41395e6	17.4511
3	8.647	VV	0.1319	1.23148e7	1.26985e6	25.1334
4	8.818	VV	0.2428	1.28685e7	8.83401e5	26.2634

**Studies to Determine the Results Using H₂O vs. MeOH for Mushroom
Sample Extraction**

This section contains data generated to determine what extraction procedure works better for unknown mushroom samples.

These samples were analyzed using the Phenomenex Prodigy 5 μ C-18 ODS(2) column (150 x 4.60 mm).

Injection Date : 10/26/10 1:44:29 PM
Sample Name : PSILOCYBIN STD.
Acq. Operator : PATTI CHOATIE
Seq. Line : 1
Location : Vial 1
Inj : 1
Inj Volume : 10 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRMS2.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 1:45:42 PM by PATTI CHOATIE
(modified after loading)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.576	VB	0.0677	9249.83398	2086.59814	100.0000

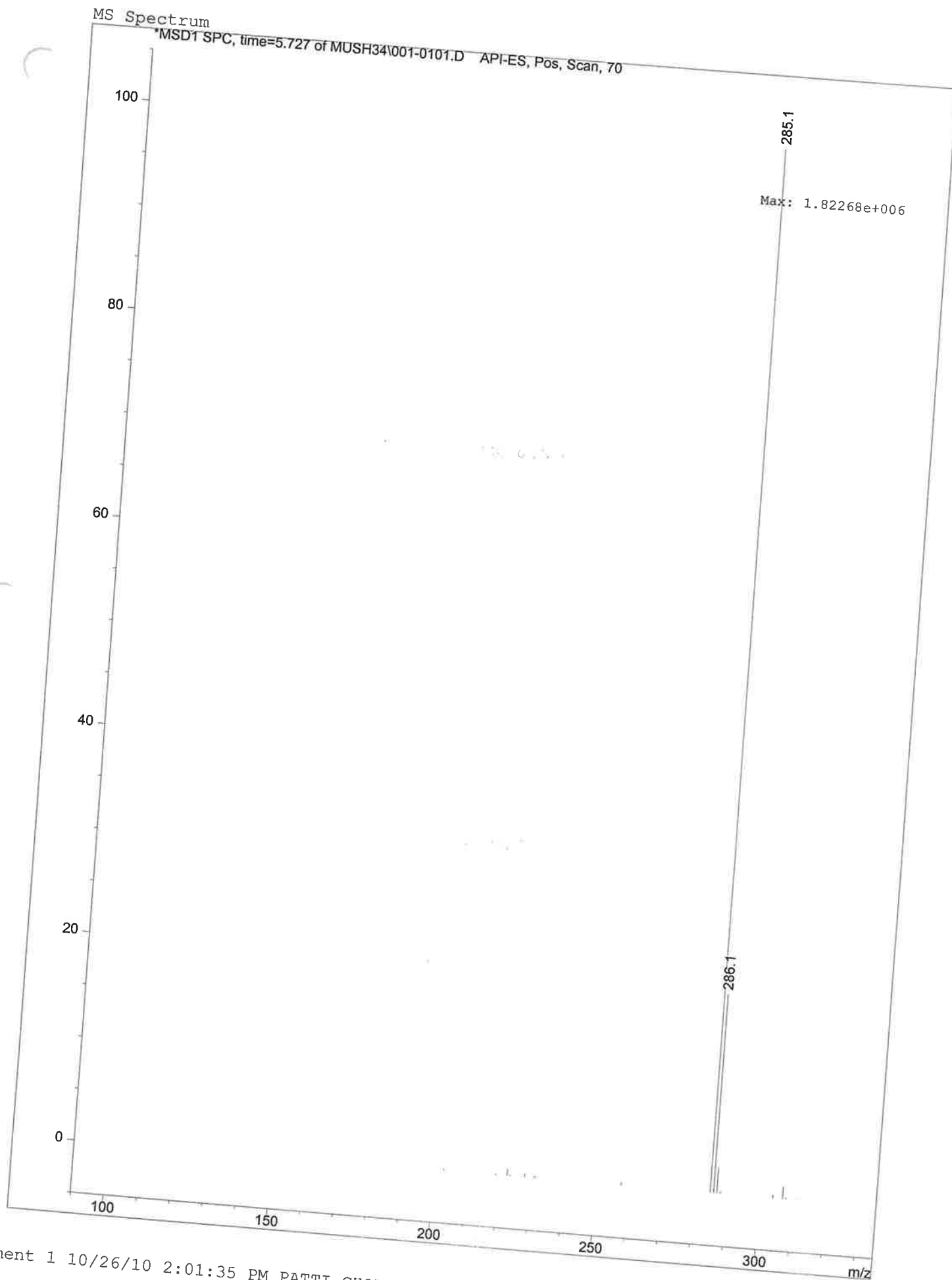
Totals : 9249.83398 2086.59814

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.306	VV	0.1451	1.00030e7	9.59627e5	26.0139
2	5.722	VV	0.2171	2.84495e7	1.89812e6	73.9861

Totals : 3.84526e7 2.85774e6

*** End of Report ***

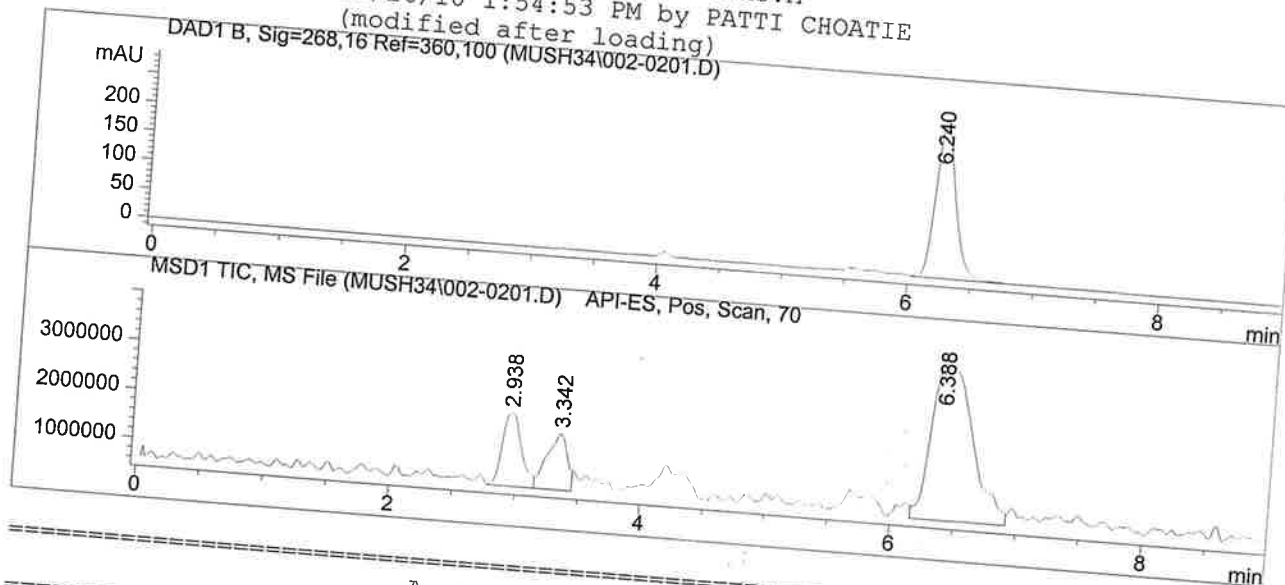


Injection Date : 10/26/10 1:54:56 PM
Sample Name : PSILOCYN STD.
Acq. Operator : PATTI CHOATIE

Seq. Line : 2
Location : Vial 2
Inj : 1
Inj Volume : 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRMS2.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 1:54:53 PM by PATTI CHOATIE
(modified after loading)

DAD1 B, Sig=268,16 Ref=360,100 (MUSH34\002-0201.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.240	VB	0.1623	2976.09937	274.96295	100.0000
Totals :				2976.09937	274.96295	

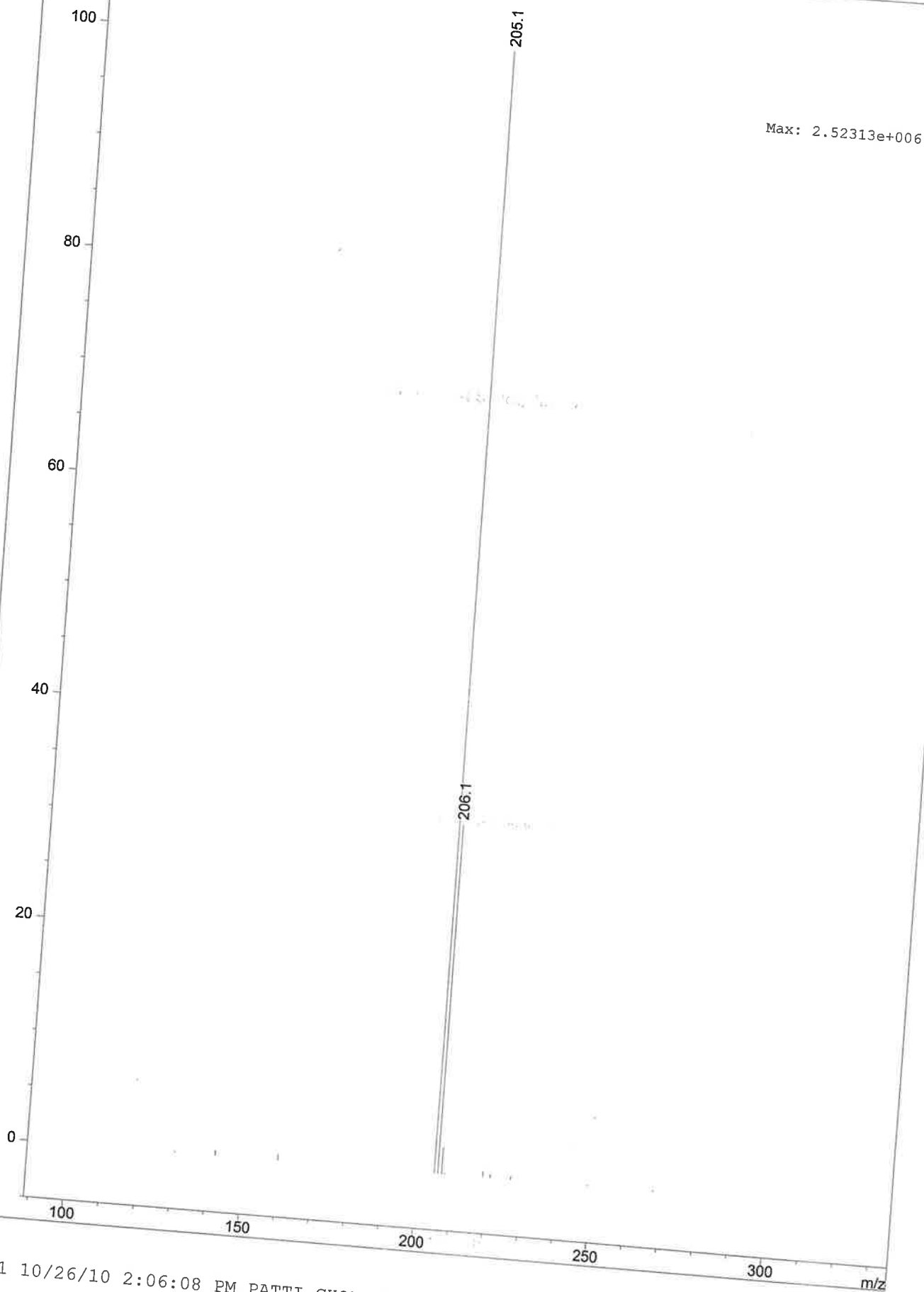
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.938	VV	0.1573	1.59450e7	1.49485e6	15.6086
2	3.342	VV	0.1598	1.29510e7	1.14723e6	12.6778
3	6.388	VV	0.3127	7.32594e7	3.27375e6	71.7136
Totals :				1.02155e8	5.91583e6	

*** End of Report ***

MS Spectrum

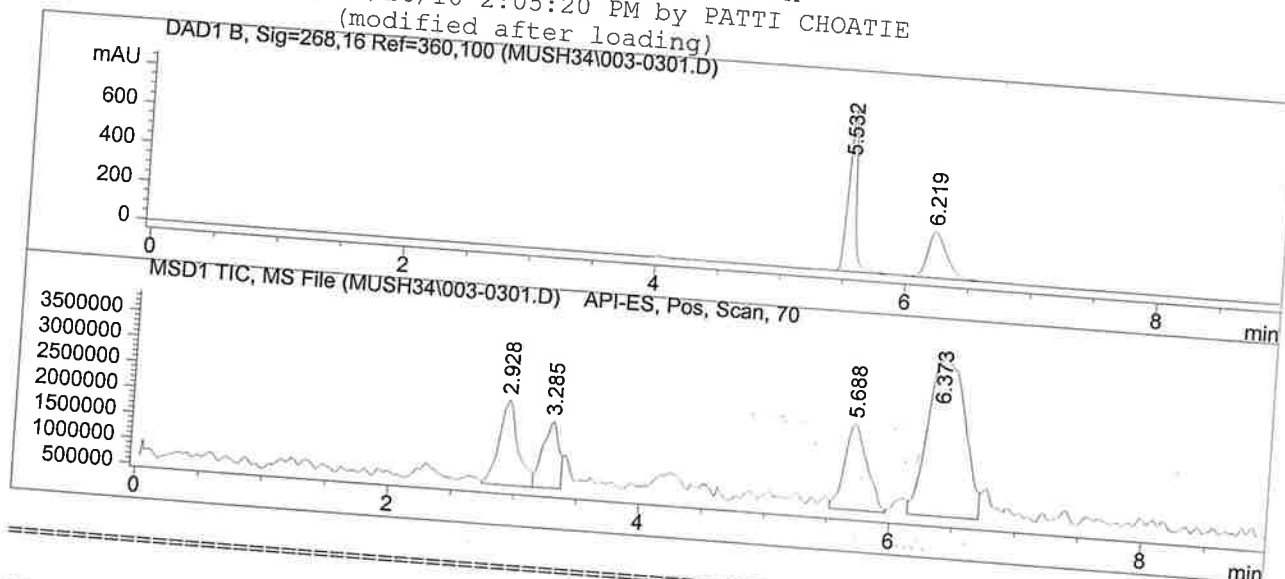
*MSD1 SPC, time=6.399 of MUSH34\002-0201.D API-ES, Pos, Scan, 70



Injection Date : 10/26/10 2:05:22 PM
 Sample Name : PSCYBIN/PSILOCYN
 Acq. Operator : PATTI CHOATIE

Seq. Line : 3
 Location : Vial 3
 Inj : 1
 Inj Volume : 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRMS2.S
 Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 10/26/10 2:05:20 PM by PATTI CHOATIE
 (modified after loading)



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.532	VV	0.0673	3632.14185	825.40948	59.5485
2	6.219	VB	0.1586	2467.32886	234.88110	40.4515

Totals : 6099.47070 1060.29059

Signal 2: MSD1 TIC, MS File

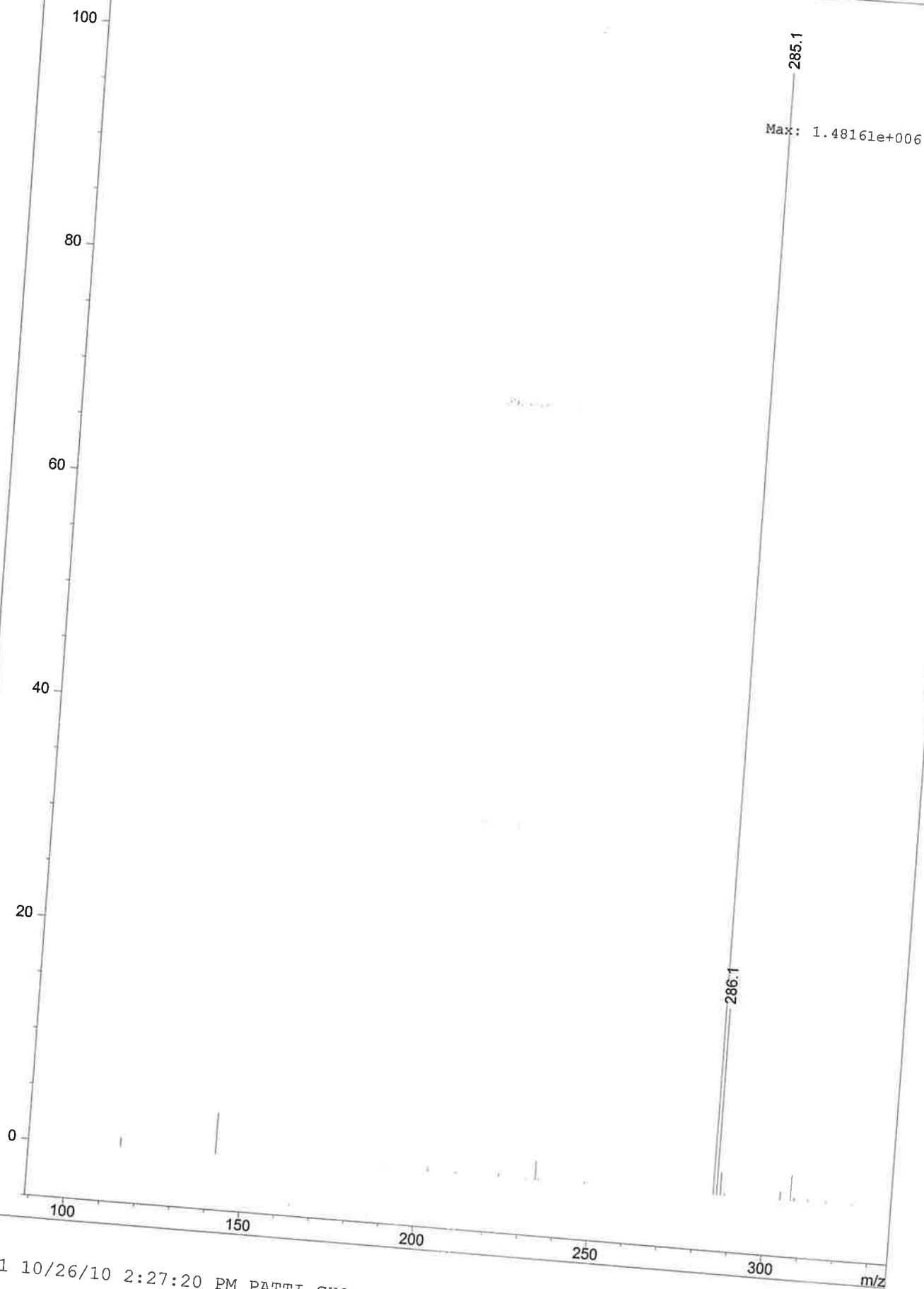
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.928	VV	0.1504	1.74138e7	1.66211e6	15.4036
2	3.285	VV	0.1166	1.15284e7	1.31232e6	10.1976
3	5.688	VV	0.1779	2.09515e7	1.68540e6	18.5330
4	6.373	VV	0.2811	6.31562e7	3.08404e6	55.8658

Totals : 1.13050e8 7.74388e6

*** End of Report ***

MS Spectrum

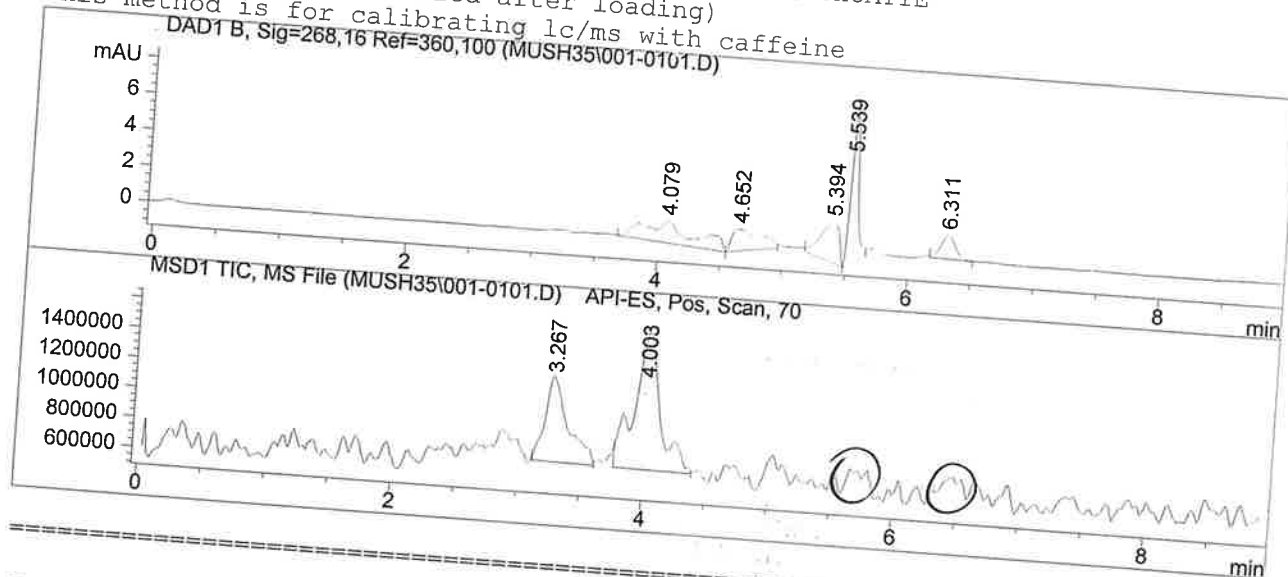
*MSD1 SPC, time=5.679 of MUSH341003-0301.D API-ES, Pos, Scan, 70





Injection Date : 10/26/10 3:11:41 PM
Sample Name : 8415-1A MEOH
Acq. Operator : PATTI CHOATIE
Seq. Line : 1
Location : Vial 1
Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\CAFFEINE.M
Last changed : 10/27/10 12:48:56 PM by PATTI CHOATIE
(modified after loading)

This method is for calibrating lc/ms with caffeine
DAD1 B, Sig=268,16 Ref=360,100 (MUSH35\001-0101.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

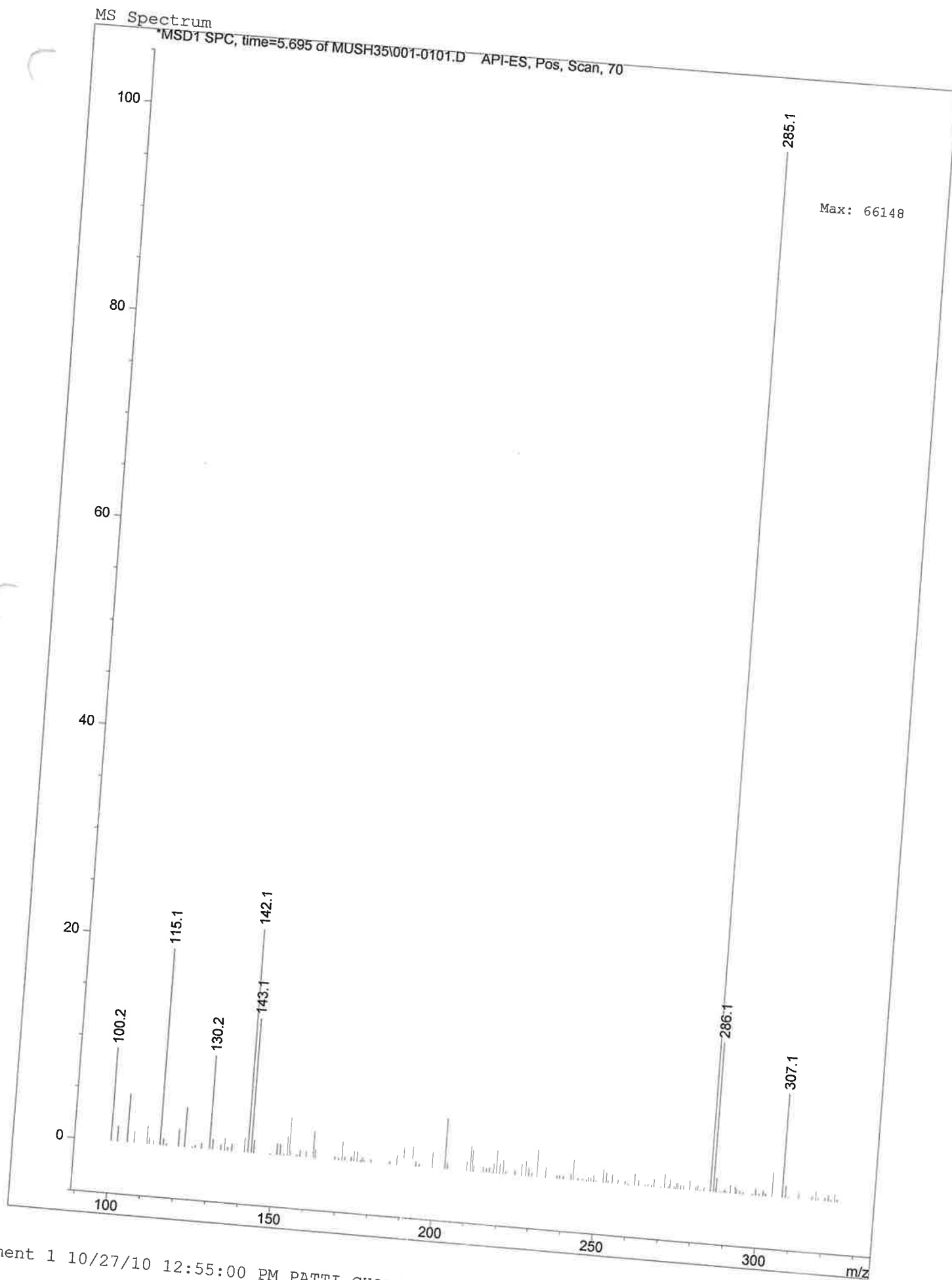
Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.079	BP	0.3470	32.76139	1.19817	27.7143
2	4.652	VB	0.2226	18.04345	1.19215	15.2637
3	5.394	BP	0.1677	22.42481	2.22316	18.9701
4	5.539	VB	0.0603	34.38123	8.66915	29.0846
5	6.311	BP	0.1241	10.60039	1.31424	8.9673
Totals :				118.21127	14.59686	

Signal 2: MSD1 TIC, MS File

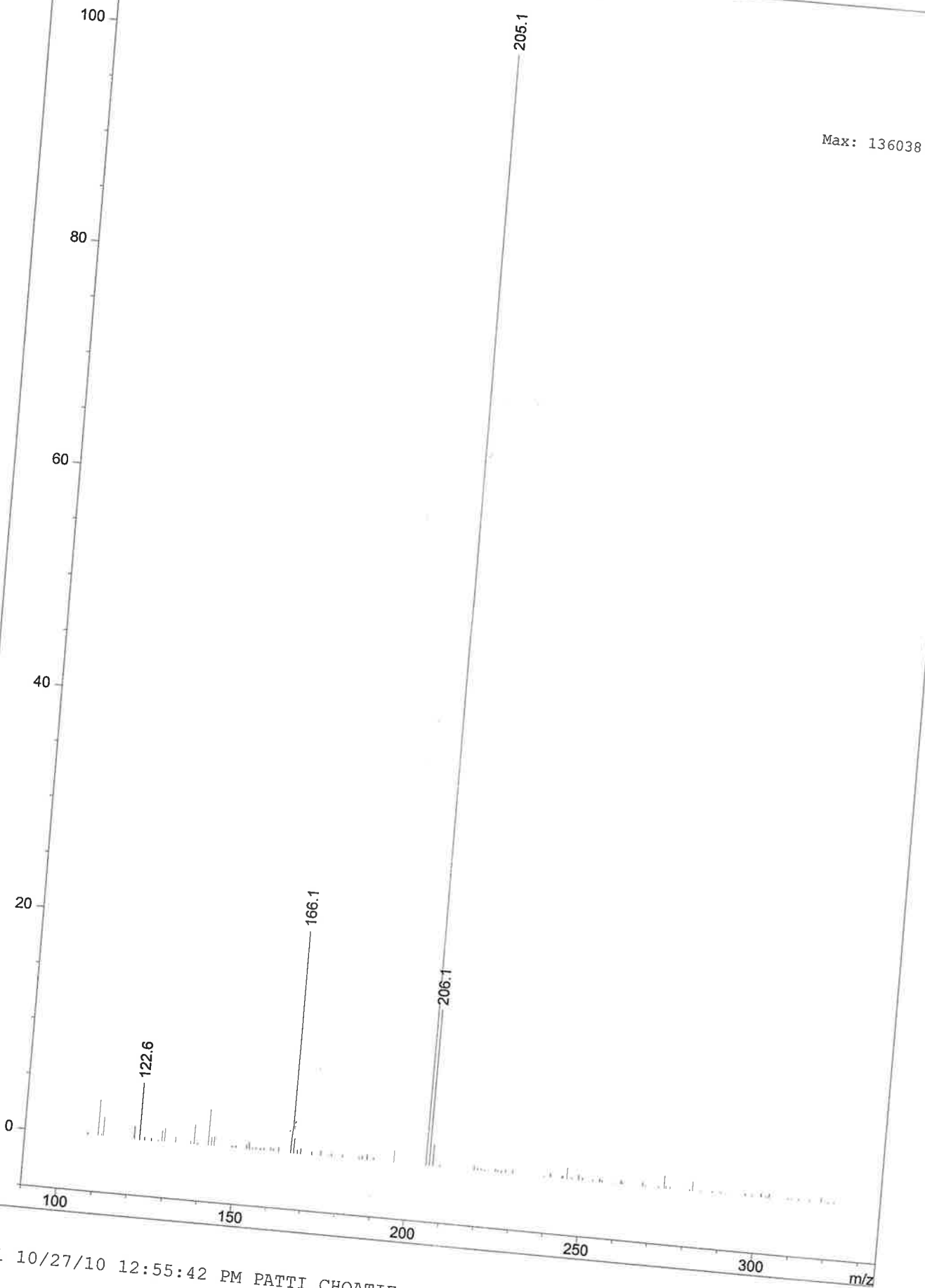
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.267	BB	0.1890	7.25253e6	5.58649e5	35.4259
2	4.003	BB	0.2166	1.32199e7	9.08767e5	64.5741
Totals :				2.04724e7	1.46742e6	

*** End of Report ***



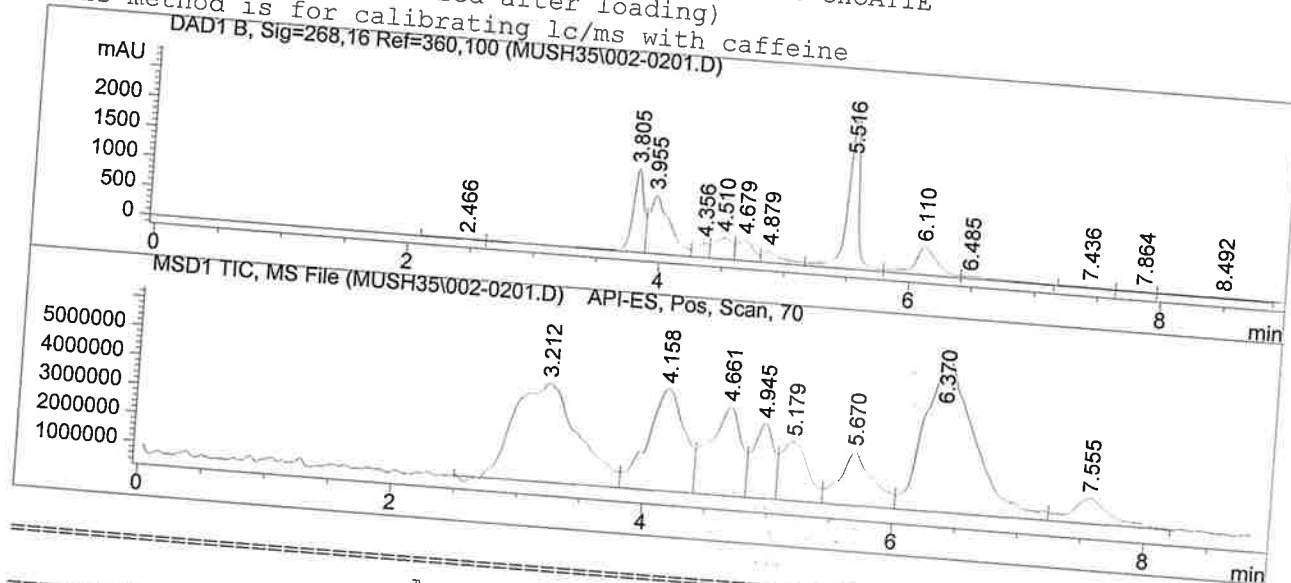
MS Spectrum

MSD1 SPC, time=6.445 of MUSH35\001-0101.D API-ES, Pos, Scan, 70



Injection Date : 10/26/10 3:22:08 PM
 Sample Name : 8415-1A H2O
 Acq. Operator : PATTI CHOATIE
 Seq. Line : 2
 Location : Vial 2
 Inj : 1
 Inj Volume : 10 µl
 Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
 Analysis Method : C:\HPCHEM\1\METHODS\CAFFEINE.M
 Last changed : 10/27/10 12:48:56 PM by PATTI CHOATIE
 (modified after loading)

This method is for calibrating lc/ms with caffeine
 DAD1 B, Sig=268,16 Ref=360,100 (MUSH35\002-0201.D)



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

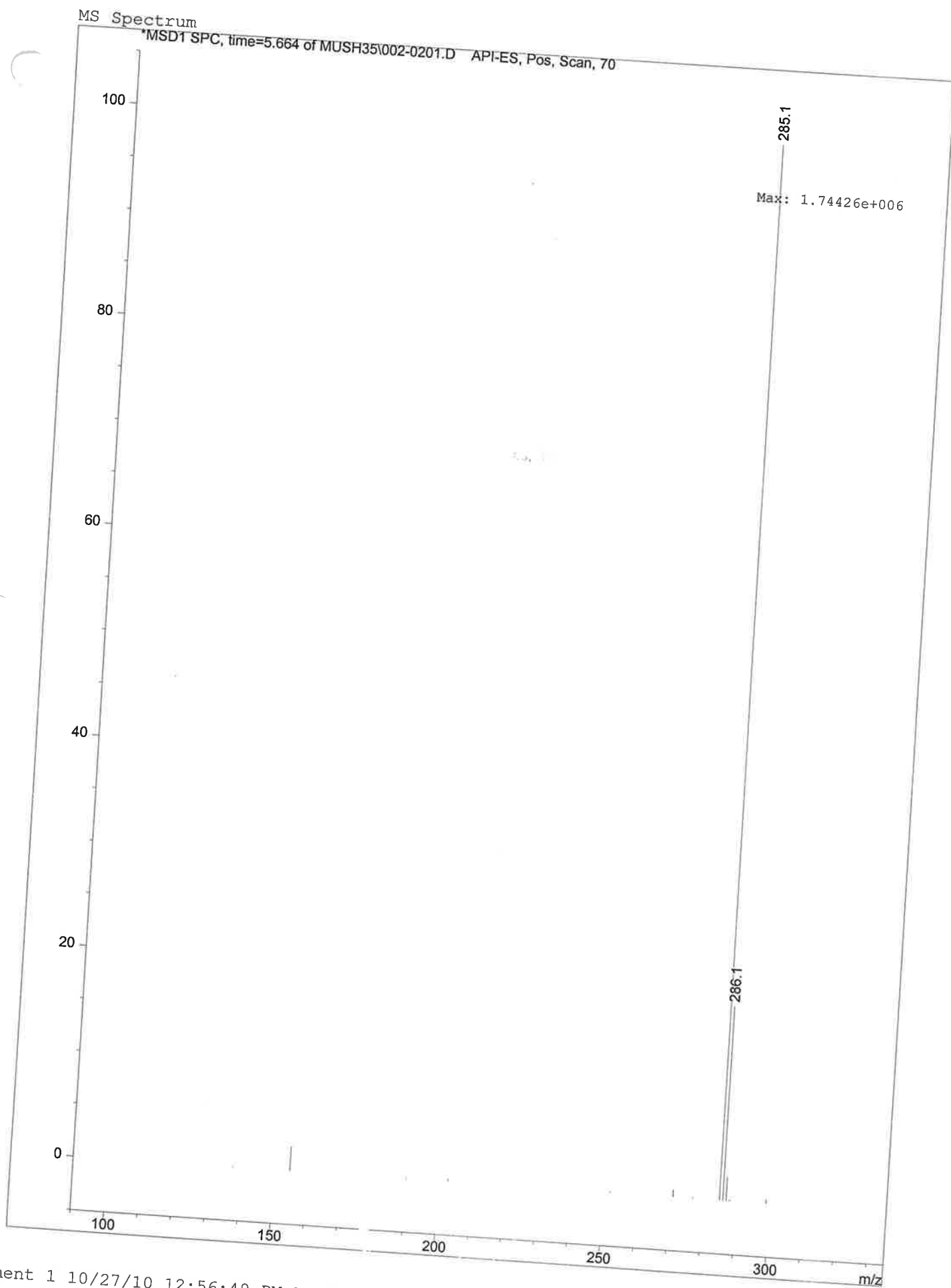
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.466	PV	0.2001	47.95440	3.14199	0.0861
2	3.805	VV	0.0870	8548.21191	1403.72961	15.3477
3	3.955	VV	0.1512	1.11687e4	978.34259	20.0527
4	4.356	VV	0.1005	1766.93323	249.79550	3.1724
5	4.510	VV	0.1441	3591.38574	360.94742	6.4481
6	4.679	VV	0.1347	3247.01538	348.34296	5.8298
7	4.879	VV	0.1500	2206.08325	195.02235	3.9609
8	5.516	VV	0.0907	1.63573e4	2698.94360	29.3683
9	6.110	VV	0.1831	5975.32666	467.48828	10.7283
10	6.485	VB	0.3253	1054.73755	41.38654	1.8937
11	7.436	BV	0.2499	443.55588	24.18852	0.7964
12	7.864	VV	0.2584	247.73531	13.35764	0.4448
13	8.492	VV	0.5748	1042.09021	23.61546	1.8710

Totals :

5.56971e4 6808.30247

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.212	PV	0.4677	1.21025e8	3.43237e6	23.7761
2	4.158	VV	0.2935	7.19190e7	3.53741e6	14.1289



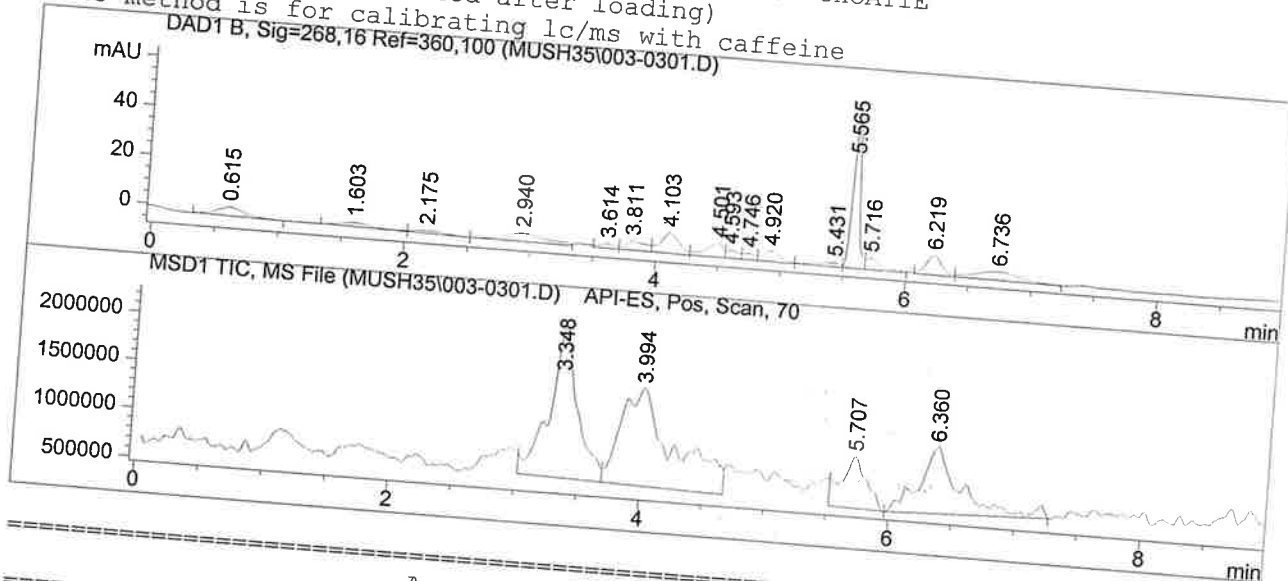
MS Spectrum

MSD1 SPC, time=6.352 of MUSH35\002-0201.D API-ES, Pos, Scan, 70



Injection Date : 10/26/10 3:32:33 PM
Sample Name : 11631-1A MEOH
Acq. Operator : PATTI CHOATIE
Seq. Line : 3
Location : Vial 3
Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\CAFFEINE.M
Last changed : 10/27/10 12:48:56 PM by PATTI CHOATIE
(modified after loading)

This method is for calibrating lc/ms with caffeine
DAD1 B, Sig=268,16 Ref=360,100 (MUSH35\003-0301.D)



Area Percent Report

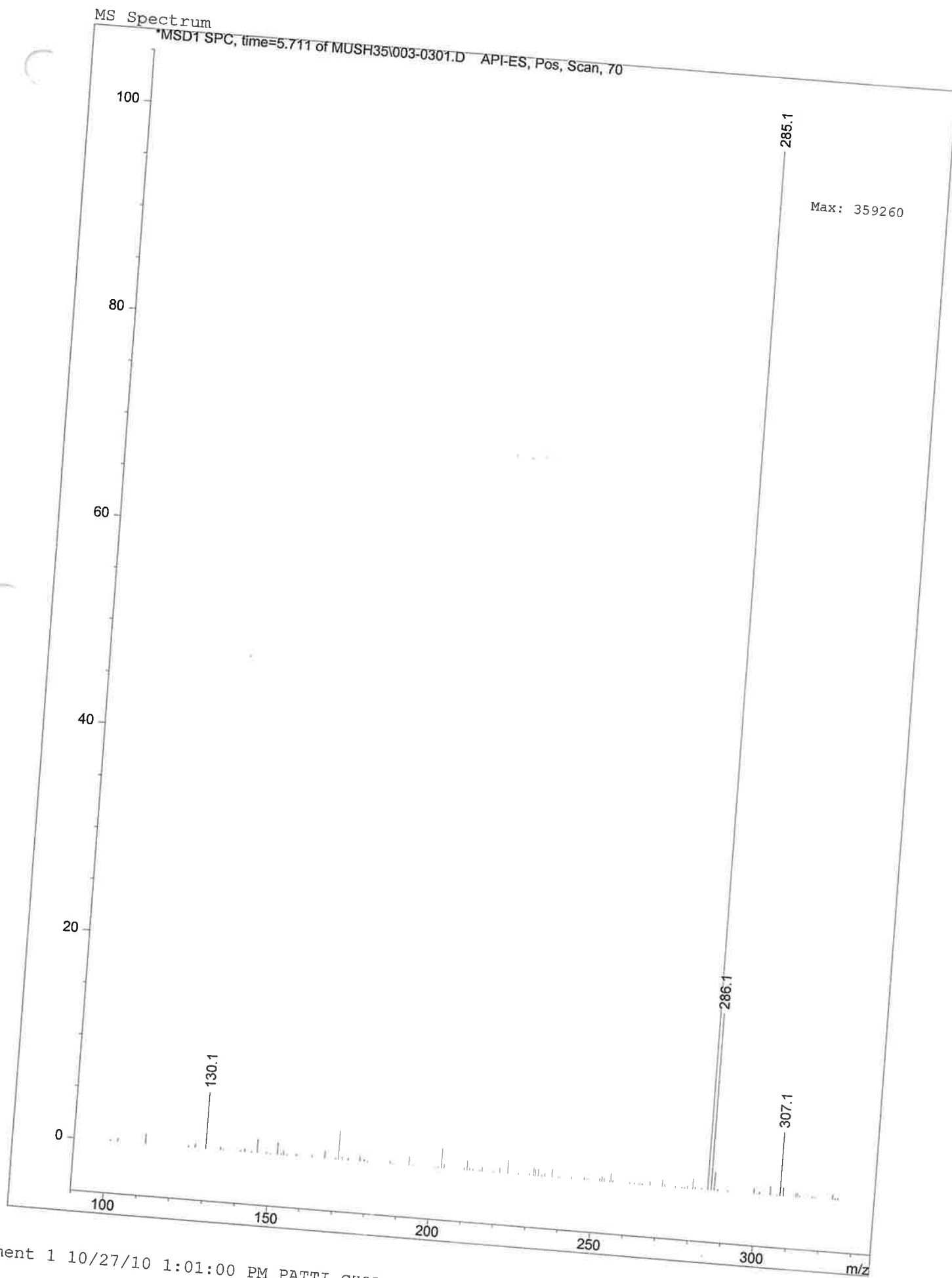
Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

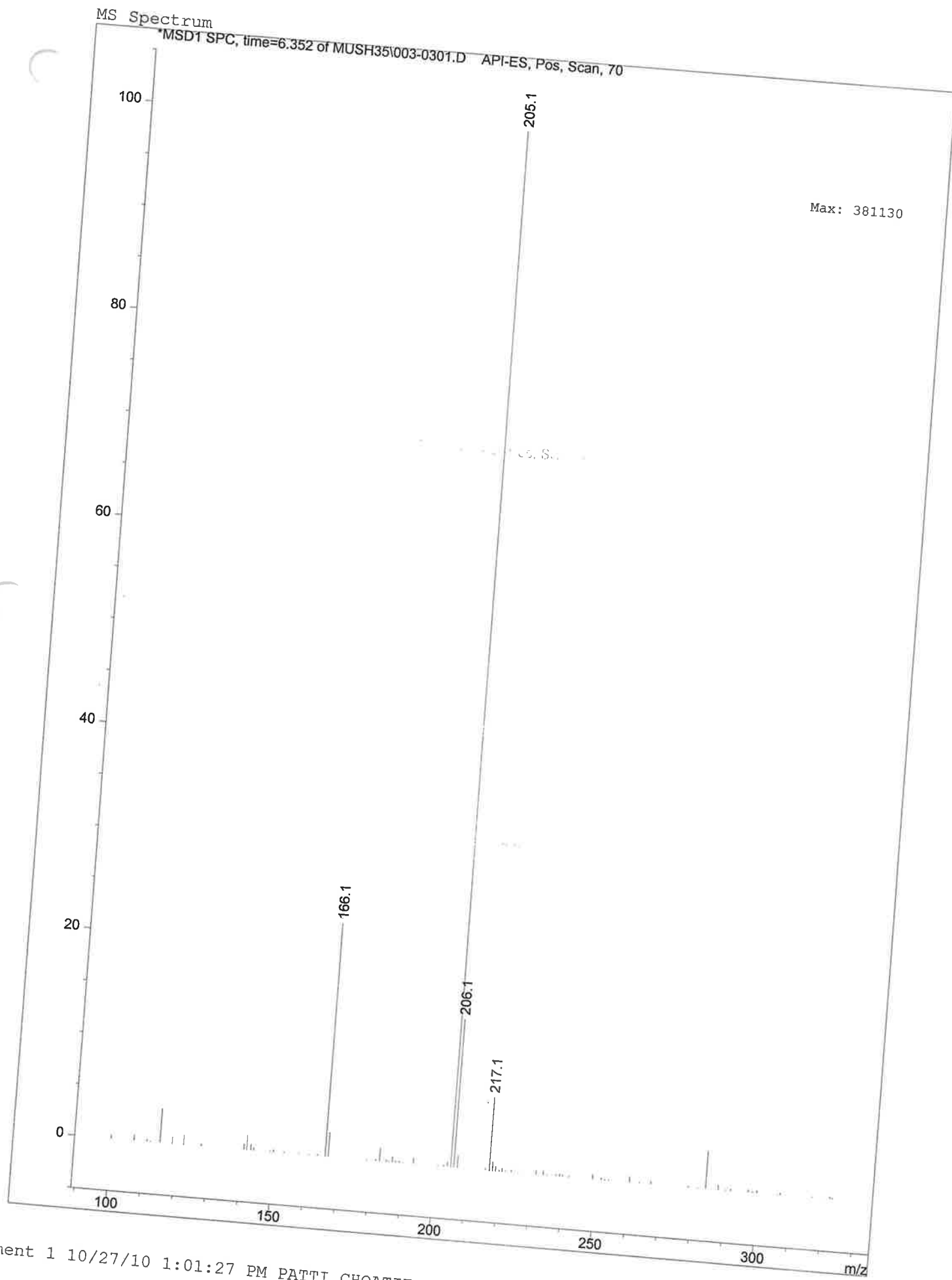
Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.615	PP	0.2293	53.47121	3.55800	5.7964
2	1.603	BB	0.2565	27.52783	1.65096	2.9841
3	2.175	BP	0.2265	17.07187	1.15464	1.8506
4	2.940	VV	0.3392	75.26196	3.28671	8.1586
5	3.614	BV	0.1237	16.15212	1.85242	1.7509
6	3.811	VV	0.1530	42.33881	3.71355	4.5897
7	4.103	VV	0.1540	86.44025	8.40526	9.3704
8	4.501	VV	0.1245	54.17735	5.71908	5.8730
9	4.593	VV	0.0934	22.36156	3.37139	2.4241
10	4.746	VV	0.1011	18.07505	2.59956	1.9594
11	4.920	VV	0.1454	40.72370	4.19149	4.4146
12	5.431	VV	0.2097	22.98905	1.65888	2.4921
13	5.565	VV	0.0592	251.81049	64.92672	27.2970
14	5.716	VB	0.1170	38.46190	4.72166	4.1694
15	6.219	BV	0.1334	70.38159	7.94150	7.6296
16	6.736	VP	0.3715	85.23972	3.48345	9.2402

Totals :

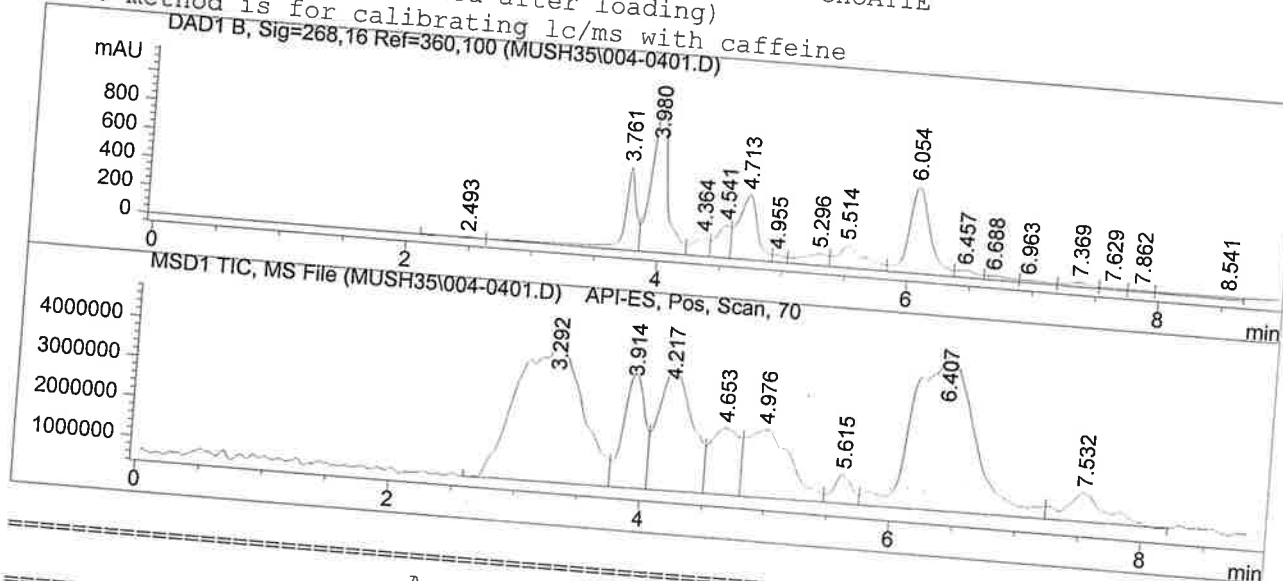
922.48446 122.23526





Injection Date : 10/26/10 3:42:59 PM
Sample Name : 11631-1A H2O
Acq. Operator : PATTI CHOATIE
Seq. Line : 4
Location : Vial 4
Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\CAFFEINE.M
Last changed : 10/27/10 12:48:56 PM by PATTI CHOATIE
(modified after loading)

This method is for calibrating lc/ms with caffeine
DAD1 B, Sig=268,16 Ref=360,100 (MUSH35\004-0401.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

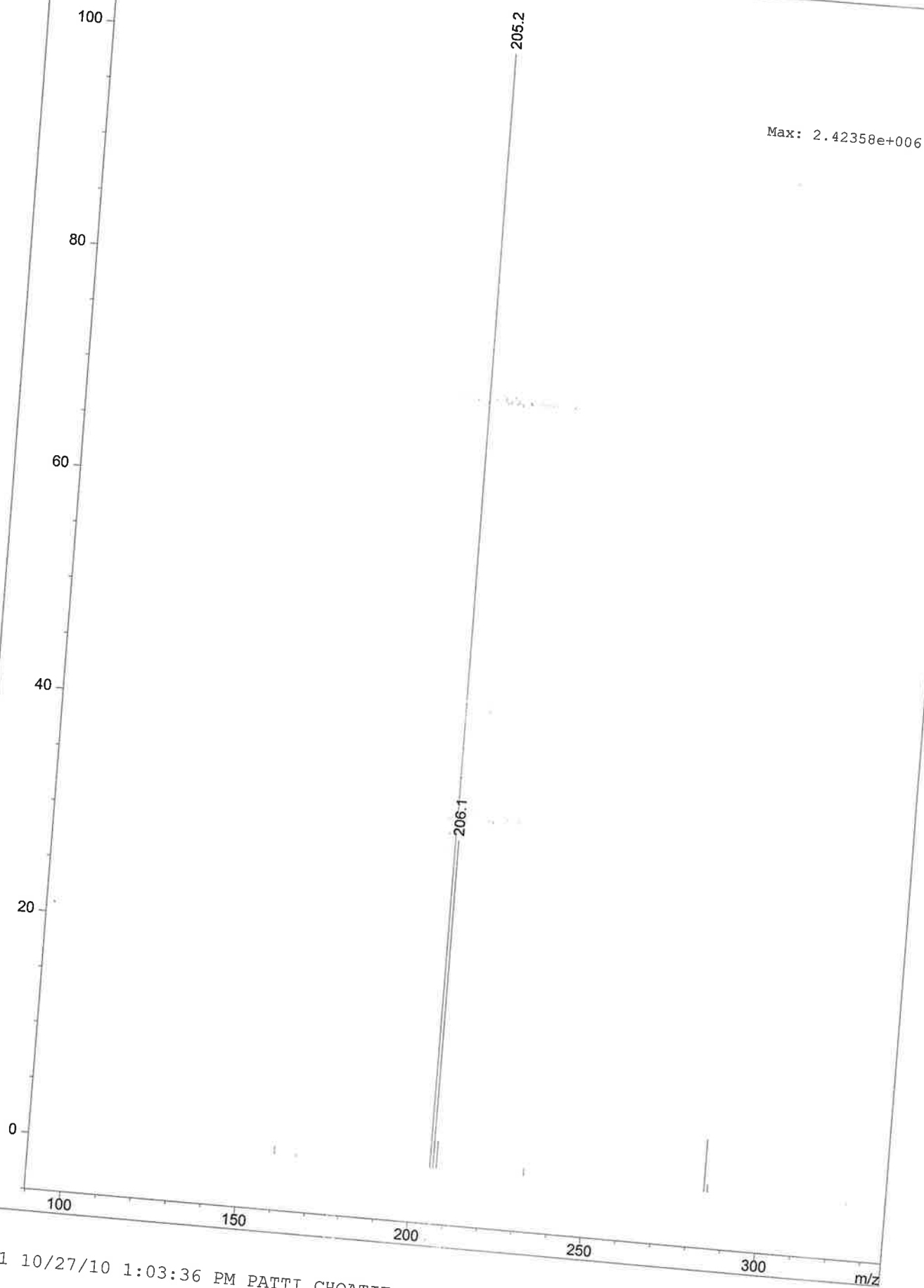
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.493	BV	0.2225	66.93385	4.05678	0.1873
2	3.761	VV	0.0935	3976.77051	583.65814	11.1292
3	3.980	VV	0.1329	9850.82031	1117.14905	27.5680
4	4.364	VV	0.1212	1225.03125	135.82019	3.4283
5	4.541	VV	0.1172	1838.75928	230.15968	5.1459
6	4.713	VV	0.1570	4893.51025	456.56982	13.6947
7	4.955	VV	0.0899	347.51697	53.42743	0.9725
8	5.296	VV	0.2009	1270.61353	84.77766	3.5559
9	5.514	VV	0.2107	2466.24438	155.80534	6.9019
10	6.054	VV	0.1760	7139.83398	612.40204	19.9812
11	6.457	VV	0.1664	608.27875	52.78291	1.7023
12	6.688	VV	0.1999	419.94705	30.26153	1.1752
13	6.963	VV	0.2187	288.96643	18.05585	0.8087
14	7.369	VV	0.1833	413.87570	32.76941	1.1583
15	7.629	VV	0.1708	175.51152	14.75052	0.4912
16	7.862	VV	0.1766	155.82779	12.57481	0.4361
17	8.541	VV	0.4584	594.32794	16.89657	1.6633

Totals :

3.57328e4 3611.91775

MS Spectrum

*MSD1 SPC, time=6.195 of MUSH351004-0401.D API-ES, Pos, Scan, 70



Unknowns Made with Known Standards

This section contains data generated on one occasion analyzing known standards prepared by Glenn Everett as unknowns to test the accuracy and differentiation of psilocyn/psilocybin using the selected mushroom procedure and a different column.

These samples were analyzed using the Phenomenex Prodigy 5 μ C-18 ODS(2) column (150 x 4.60 mm).

11/3/10

1. Psilocyn 0.59 ✓
2. Psilocyn 0.38 ✓
3. Psilocyn 0.37 ✓
4. Psilocyn 0.73 ✓
5. Psilocybin 0.24 ✓
6. Psilocyn 0.45 ✓
7. Psilocybin 0.26 ✓
8. Psilocybin 0.12 ✓
9. Psilocybin 0.20 ✓
10. Psilocyn / Psilocybin 0.58 / 0.23 ✓
11. Bufotenine 1.58 ✓

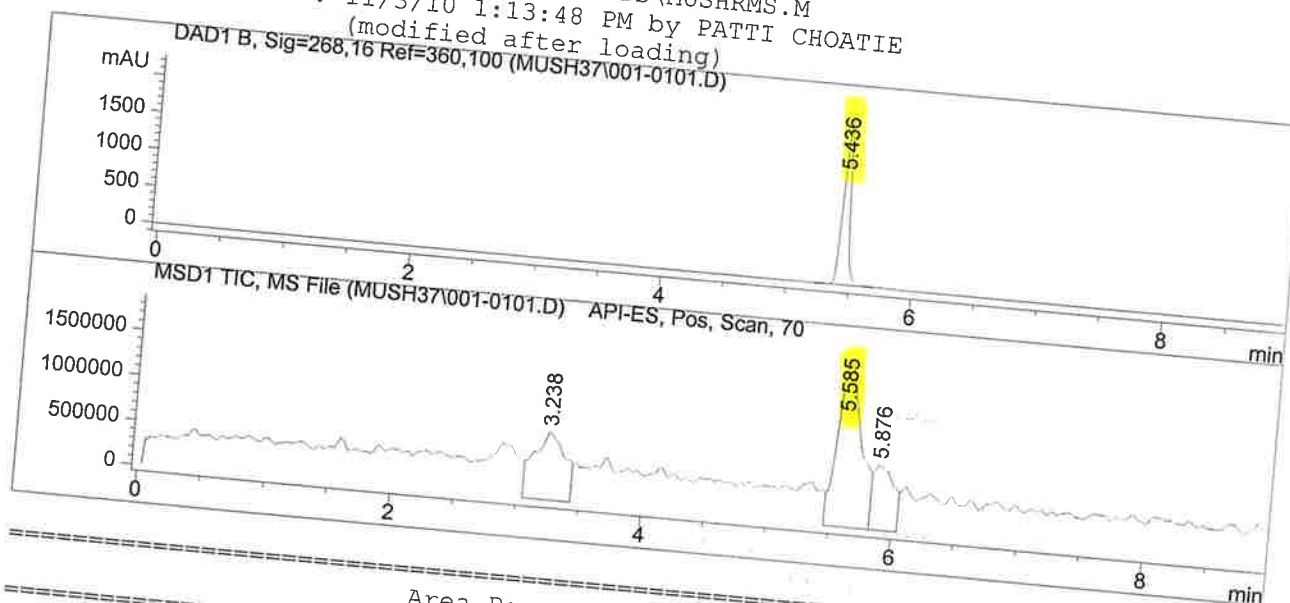
100%

Sample Name: Psilocybin

Injection Date : 11/3/10 9:55:27 AM
Sample Name : Psilocybin Std
Acq. Operator : PATTI CHOATIE

Seq. Line : 1
Location : Vial 1
Inj : 1
Inj Volume : 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:13:48 PM by PATTI CHOATIE
(modified after loading)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.436	VV	0.0613	8441.88574	2175.95825	100.0000
Totals :				8441.88574	2175.95825	

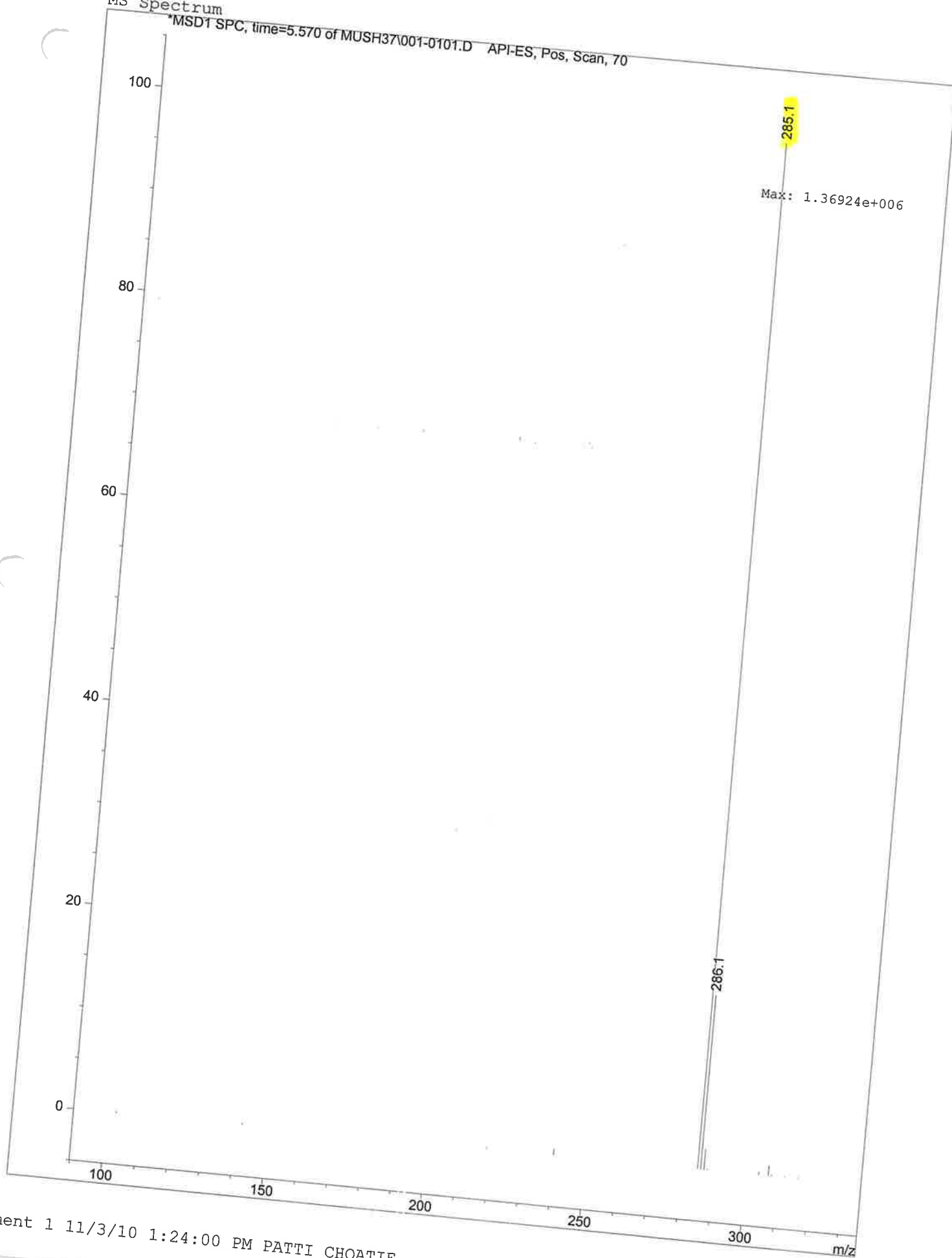
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.238	VV	0.2137	1.28654e7	7.51933e5	28.6981
2	5.585	VV	0.1982	2.37920e7	1.77978e6	53.0717
3	5.876	VV	0.1463	8.17259e6	7.21196e5	18.2302
Totals :				4.48300e7	3.25291e6	

*** End of Report ***

MS Spectrum

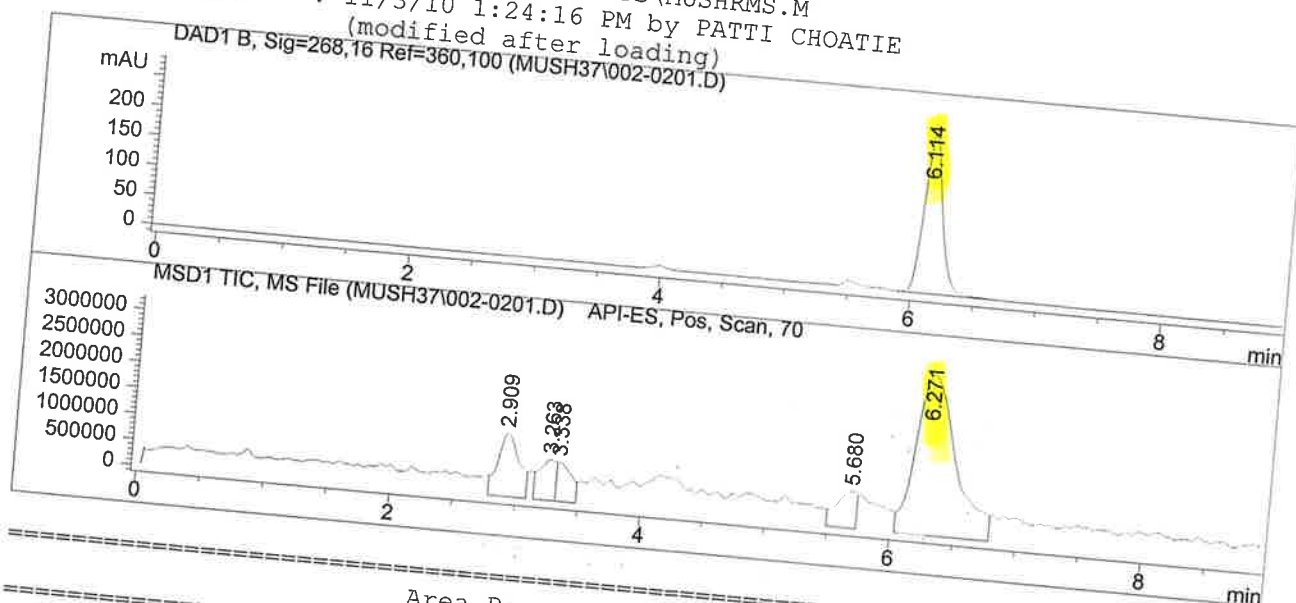
*MSD1 SPC, time=5.570 of MUSH37\001-0101.D API-ES, Pos, Scan, 70



Injection Date : 11/3/10 10:05:53 AM
Sample Name : Psilocyn Std.
Acq. Operator : PATTI CHOATIE

Seq. Line : 2
Location : Vial 2
Inj : 1
Inj Volume : 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
(modified after loading)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.114	VB	0.1519	2715.42505	268.73618	100.0000
Totals :				2715.42505	268.73618	

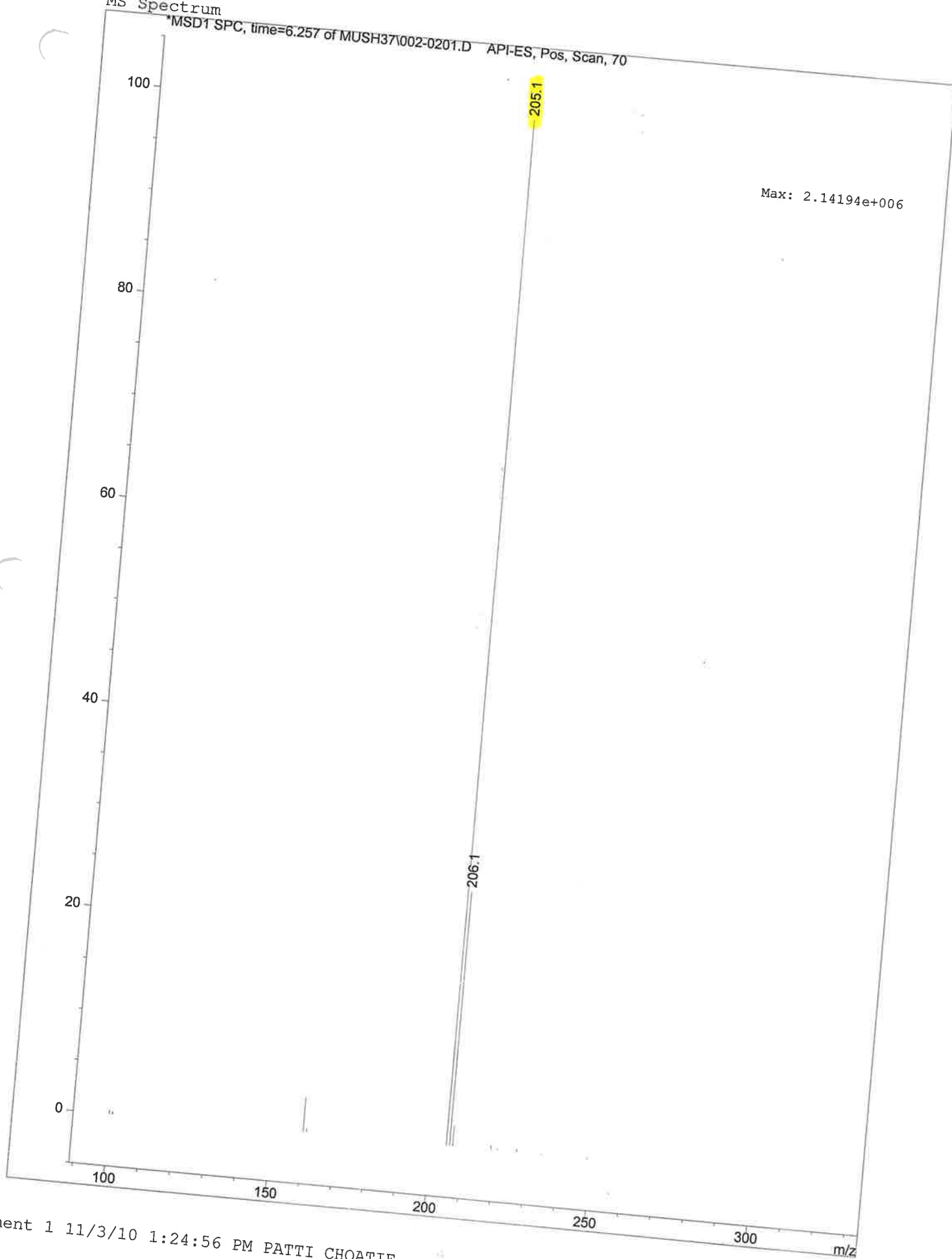
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.909	VV	0.1748	1.43755e7	1.22166e6	13.7844
2	3.263	VV	0.1198	7.18799e6	7.92975e5	6.8924
3	3.338	VV	0.1333	6.09337e6	7.61579e5	5.8428
4	5.680	VV	0.1524	7.80082e6	7.13864e5	7.4800
5	6.271	VV	0.3124	6.88307e7	3.07955e6	66.0003
Totals :				1.04288e8	6.56964e6	

*** End of Report ***

MS Spectrum

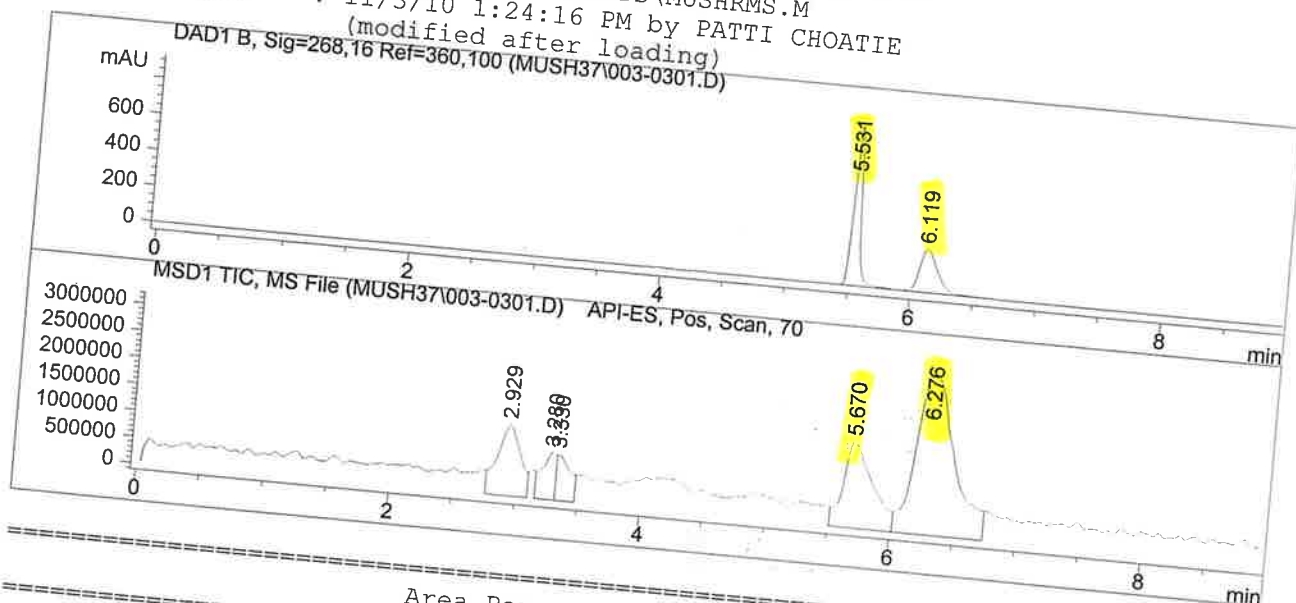
*MSD1 SPC, time=6.257 of MUSH37\002-0201.D API-ES, Pos, Scan, 70



Injection Date : 11/3/10 10:16:18 AM
Sample Name : Pscybin & Pscyn
Acq. Operator : PATTI CHOATIE

Seq. Line : 3
Location : Vial 3
Inj : 1
Inj Volume : 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
(modified after loading)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.531	BV	0.0639	3628.43750	884.32477	60.3615
2	6.119	VB	0.1517	2382.73877	240.30989	39.6385

Totals :

6011.17627 1124.63466

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.929	VV	0.1818	1.70799e7	1.33785e6	14.0747
2	3.280	VV	0.1032	6.80551e6	8.91191e5	5.6081
3	3.330	VV	0.1231	6.41068e6	8.68142e5	5.2827
4	5.670	VV	0.2232	2.62894e7	1.61149e6	21.6638
5	6.276	VV	0.3158	6.47661e7	3.02097e6	53.3707

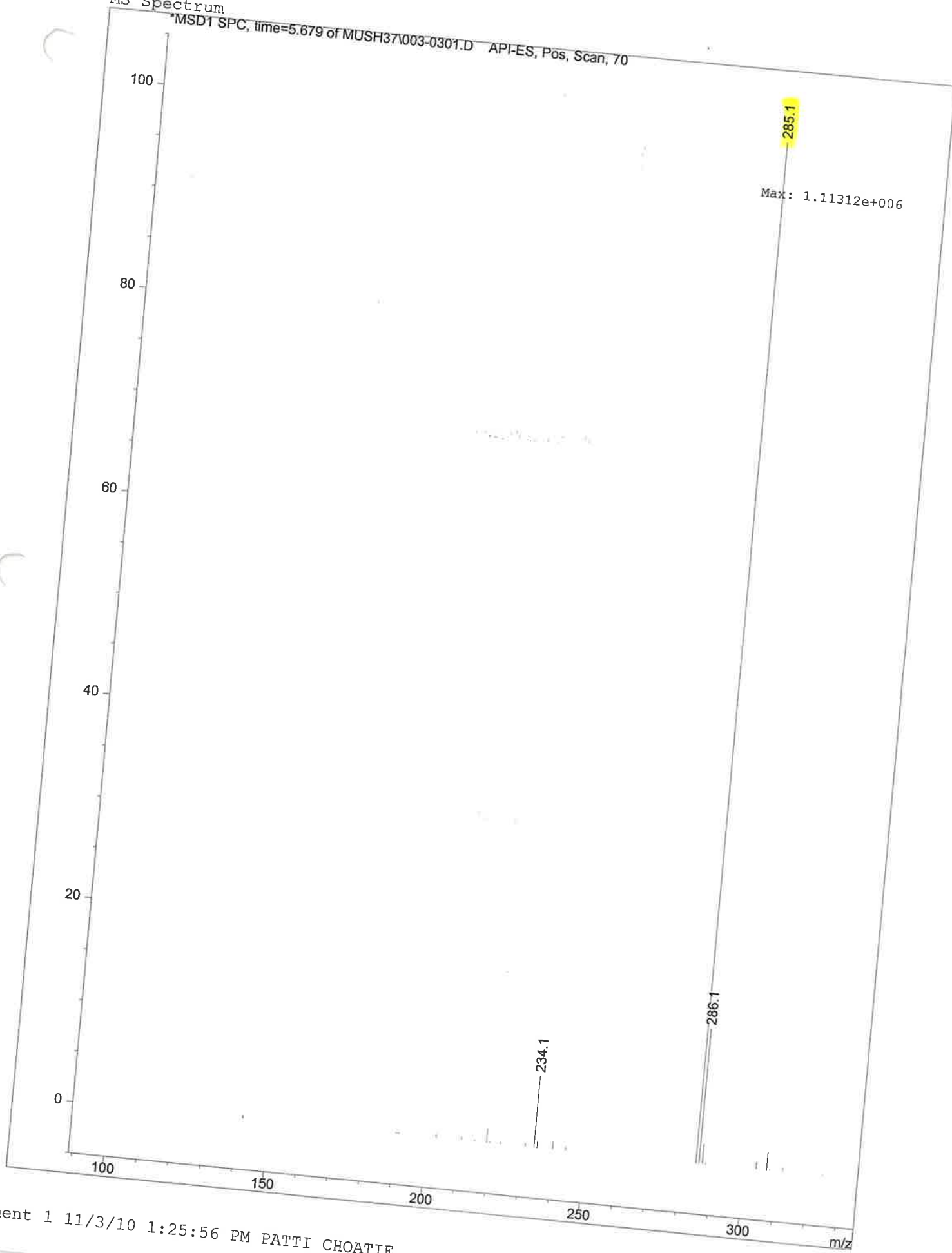
Totals :

1.21352e8 7.72965e6

*** End of Report ***

MS Spectrum

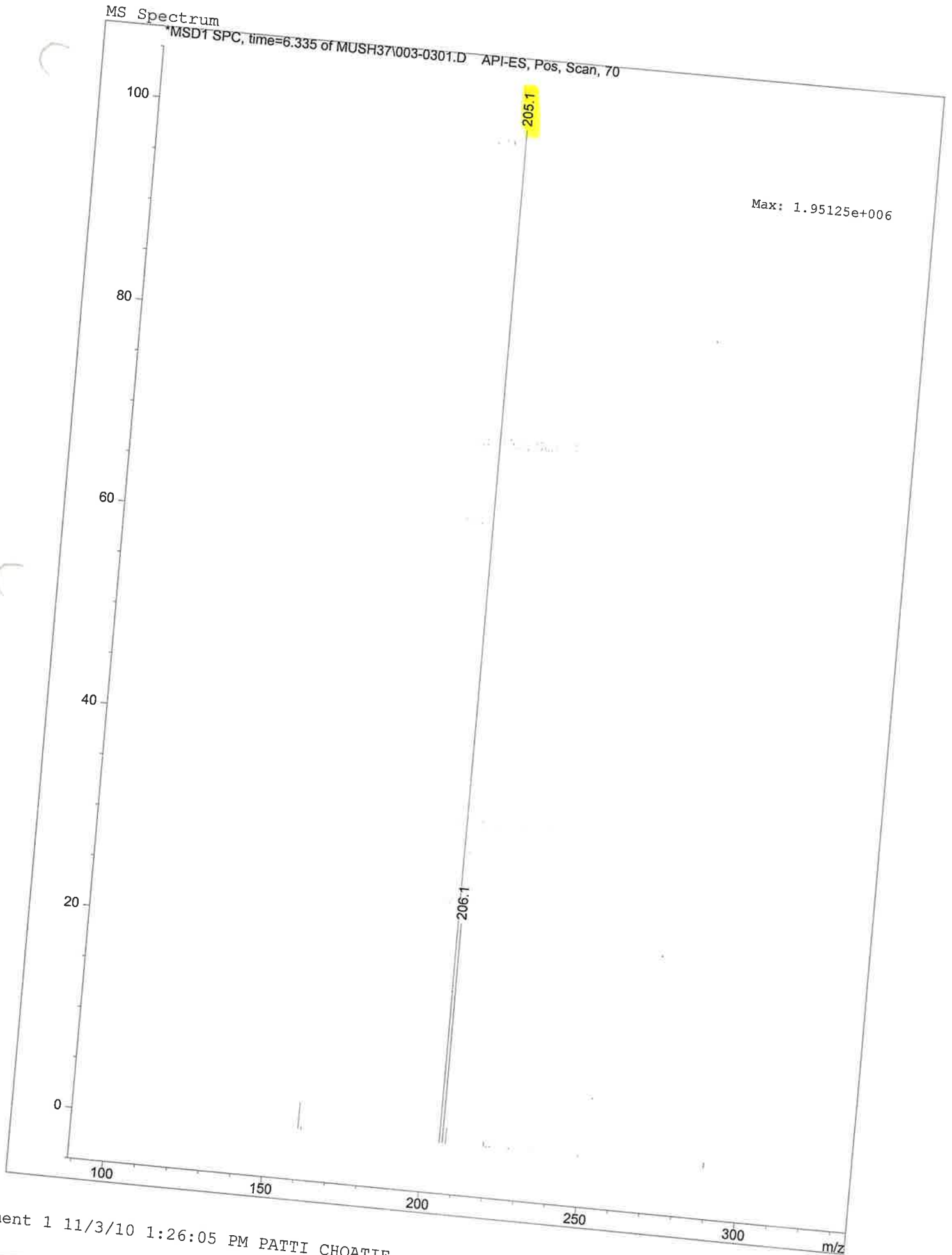
MSD1 SPC, time=5.679 of MUSH371003-0301.D API-ES, Pos, Scan, 70



Max: 1.11312e+006

MS Spectrum

MSD1 SPC, time=6.335 of MUSH371003-0301.D API-ES, Pos, Scan, 70



Injection Date : 11/3/10 10:37:10 AM

Sample Name : Unknown #1

Acq. Operator : PATTI CHOATIE

Seq. Line : 5

Location : Vial 5

Inj : 1

Inj Volume : 10 µl

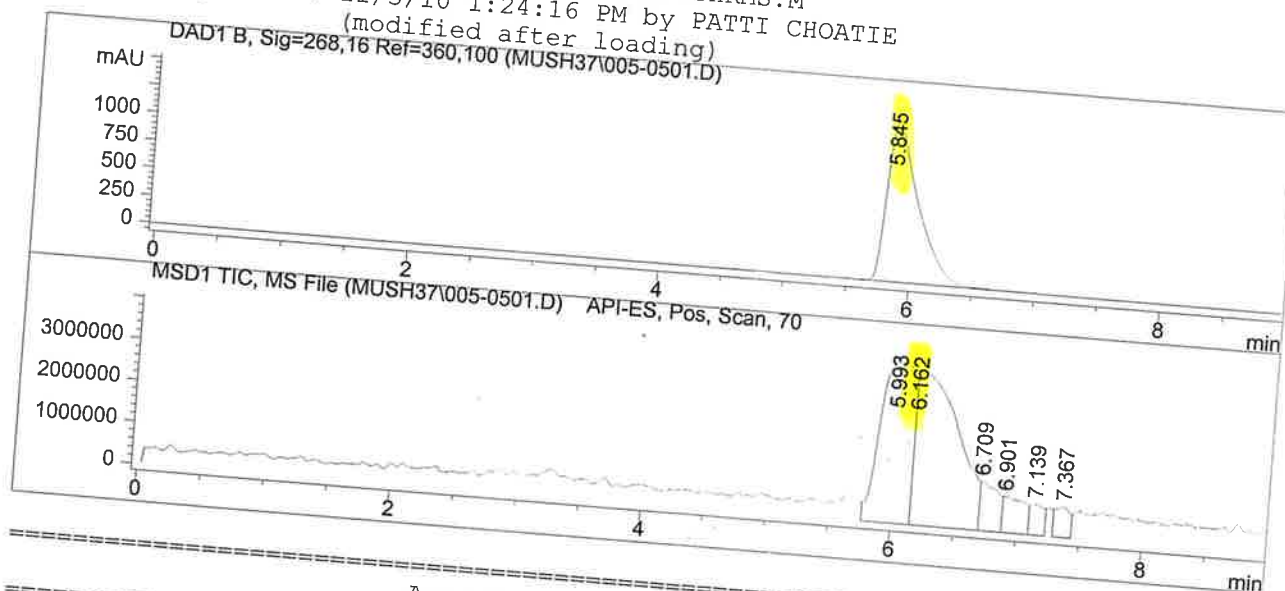
Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M

Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE

Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M

Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
(modified after loading)

PSILOCYN



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

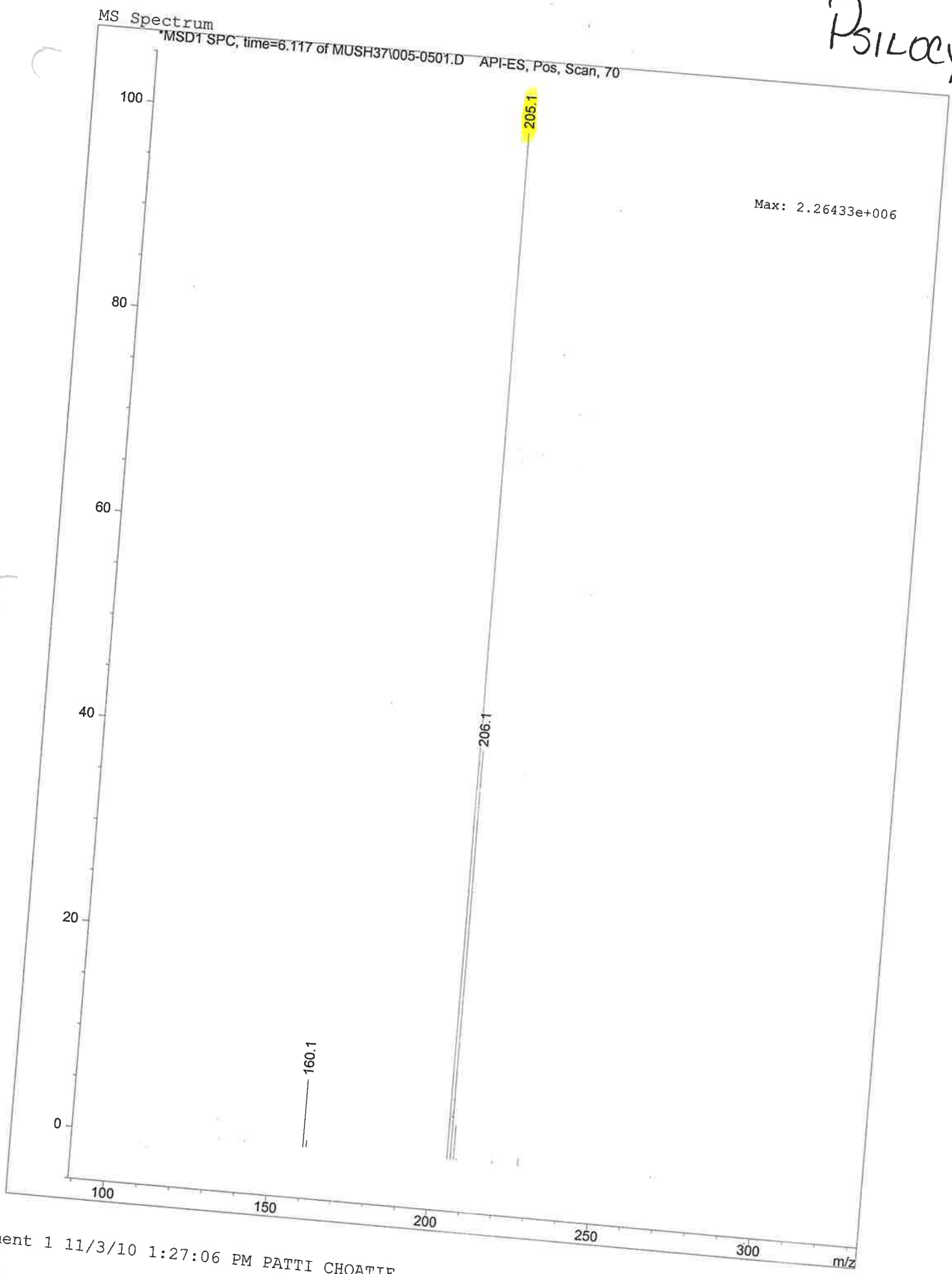
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.845	VB	0.2415	2.49477e4	1459.07690	100.0000
Totals :				2.49477e4	1459.07690	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	5.993	VV	0.2525	6.84183e7	3.83220e6	36.2557
2	6.162	VV	0.3953	8.73633e7	3.68328e6	46.2948
3	6.709	VV	0.1597	1.13162e7	1.18128e6	5.9966
4	6.901	VV	0.1978	1.02319e7	8.61957e5	5.4220
5	7.139	VV	0.1247	5.52127e6	7.38043e5	2.9258
6	7.367	VV	0.1177	5.85965e6	7.25263e5	3.1051
Totals :				1.88711e8	1.10220e7	

*** End of Report ***

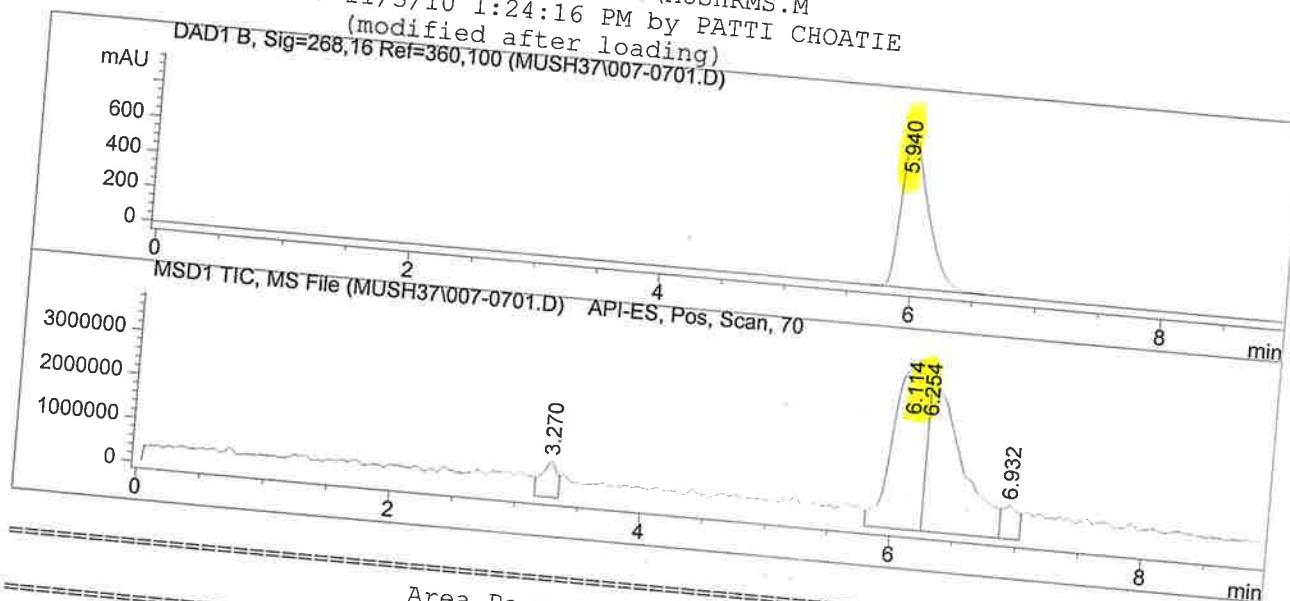
Psilocyn



Sample Name: Unknown

PSILOCYN

Injection Date : 11/3/10 10:58:00 AM
Sample Name : Unknown #2
Acq. Operator : PATTI CHOATIE
Seq. Line : 7
Location : Vial 7
Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
(modified after loading)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.940	VB	0.2092	1.31497e4	906.87848	100.0000
Totals :				1.31497e4	906.87848	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.270	VV	0.1180	6.92789e6	8.14435e5	4.7803
2	6.114	VV	0.2703	6.55249e7	3.65165e6	45.2124
3	6.254	VV	0.3219	6.58298e7	3.40839e6	45.4228
4	6.932	VV	0.1161	6.64431e6	7.59723e5	4.5846
Totals :				1.44927e8	8.63420e6	

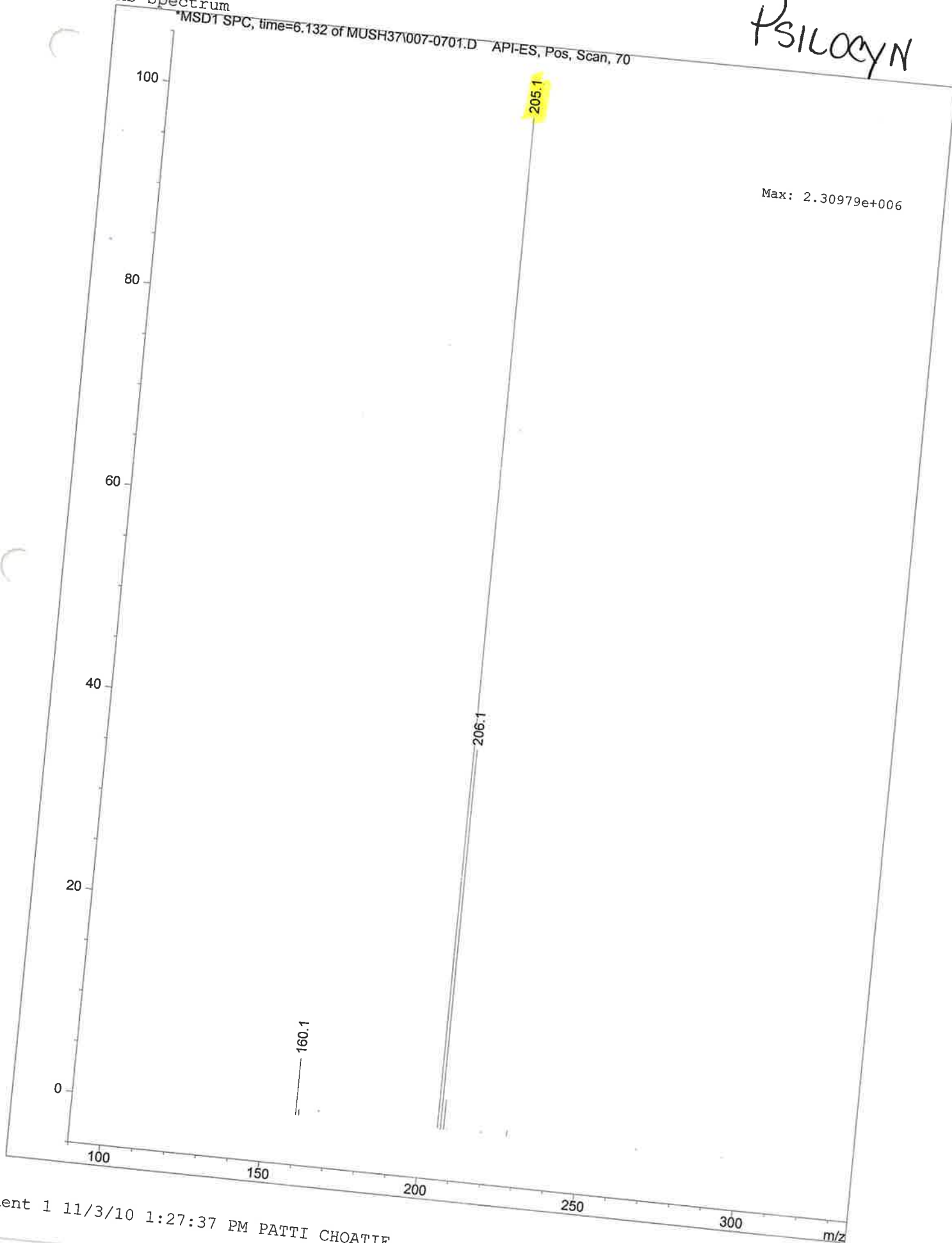
*** End of Report ***

PSILOXIN

MS Spectrum

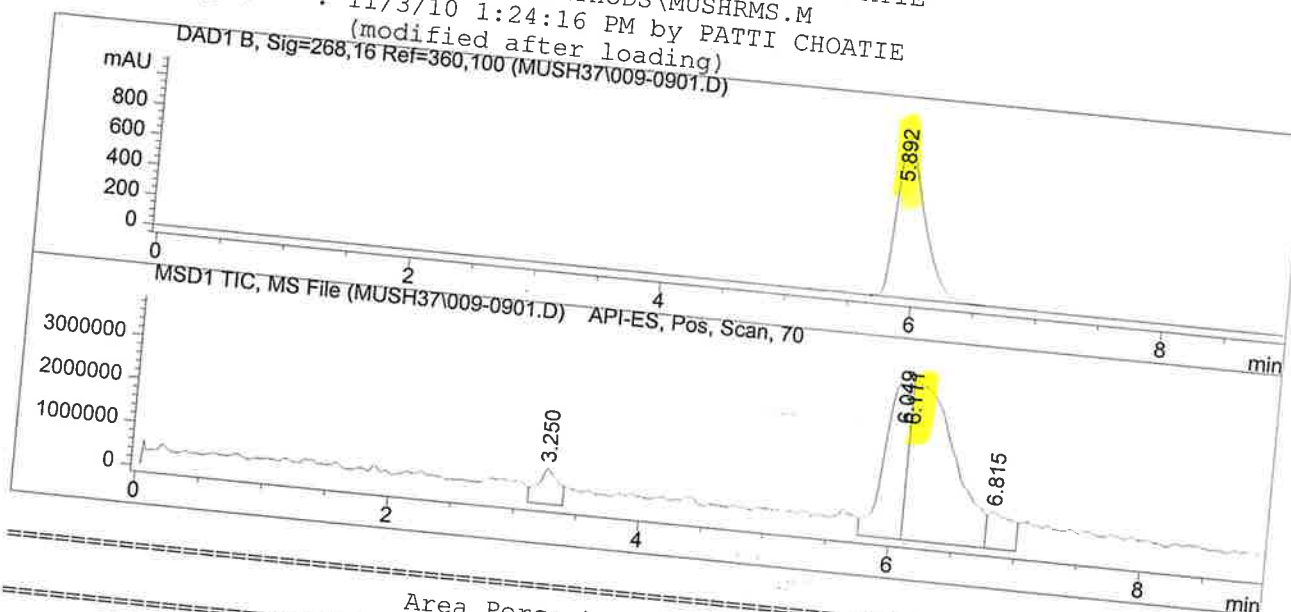
MSD1 SPC, time=6.132 of MUSH37\007-0701.D API-ES, Pos, Scan, 70

Max: 2.30979e+006



Injection Date : 11/3/10 11:18:50 AM
Sample Name : Unknown #3
Acq. Operator : PATTI CHOATIE
Seq. Line : 9
Location : Vial 9
Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
(modified after loading)

PsilocyN



Area Percent Report

Sorted By
Multiplier
Dilution

: Signal
: 1.0000
: 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.892	BB	0.2201	1.62963e4	1067.45715	100.0000
Totals :				1.62963e4	1067.45715	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.250	VV	0.1500	9.09309e6	8.08582e5	5.8217
2	6.049	VV	0.1901	4.53863e7	3.69839e6	29.0578
3	6.111	VV	0.4114	9.07857e7	3.67831e6	58.1240
4	6.815	VV	0.1712	1.09280e7	8.36507e5	6.9965
Totals :				1.56193e8	9.02179e6	

*** End of Report ***

PSILOCYN

MS Spectrum

MSD1 SPC, time=6.132 of MUSH37\009-0901.D API-ES, Pos, Scan, 70

Max: 2.30876e+006



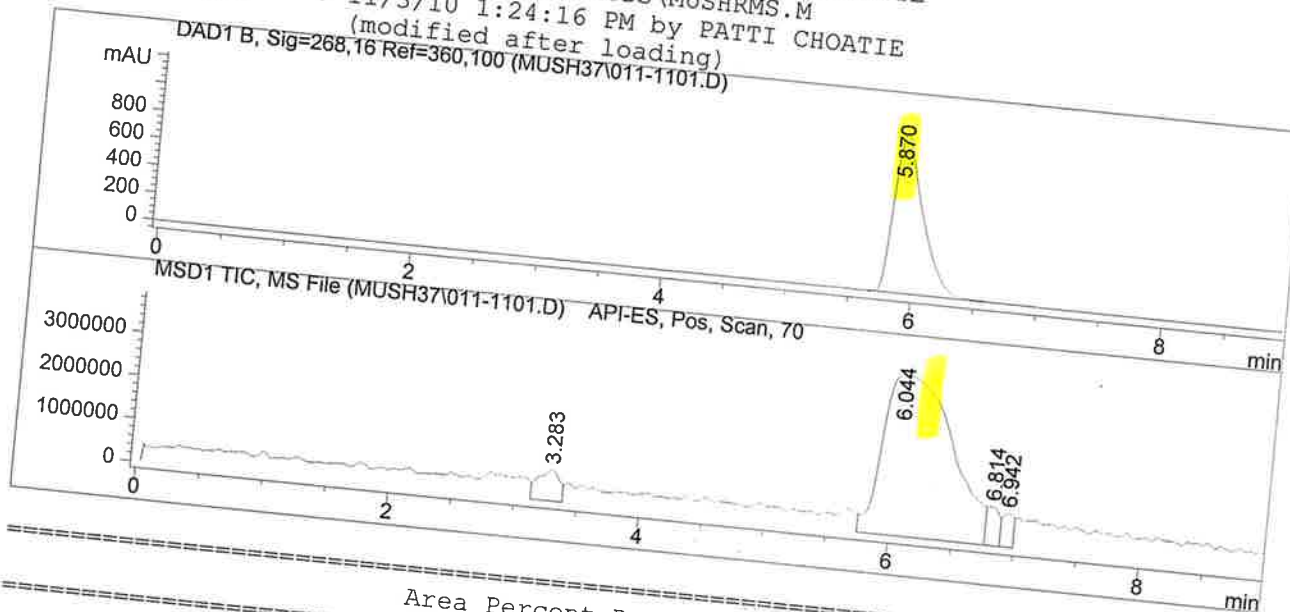
Sample Name: Unknown

Injection Date : 11/3/10 11:39:43 AM
Sample Name : Unknown #4
Acq. Operator : PATTI CHOATIE

Seq. Line : 11
Location : Vial 11
Inj : 1
Inj Volume : 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
(modified after loading)

PSILOCYN



Area Percent Report

Sorted By
Multiplier
Dilution

: Signal
: 1.0000
: 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

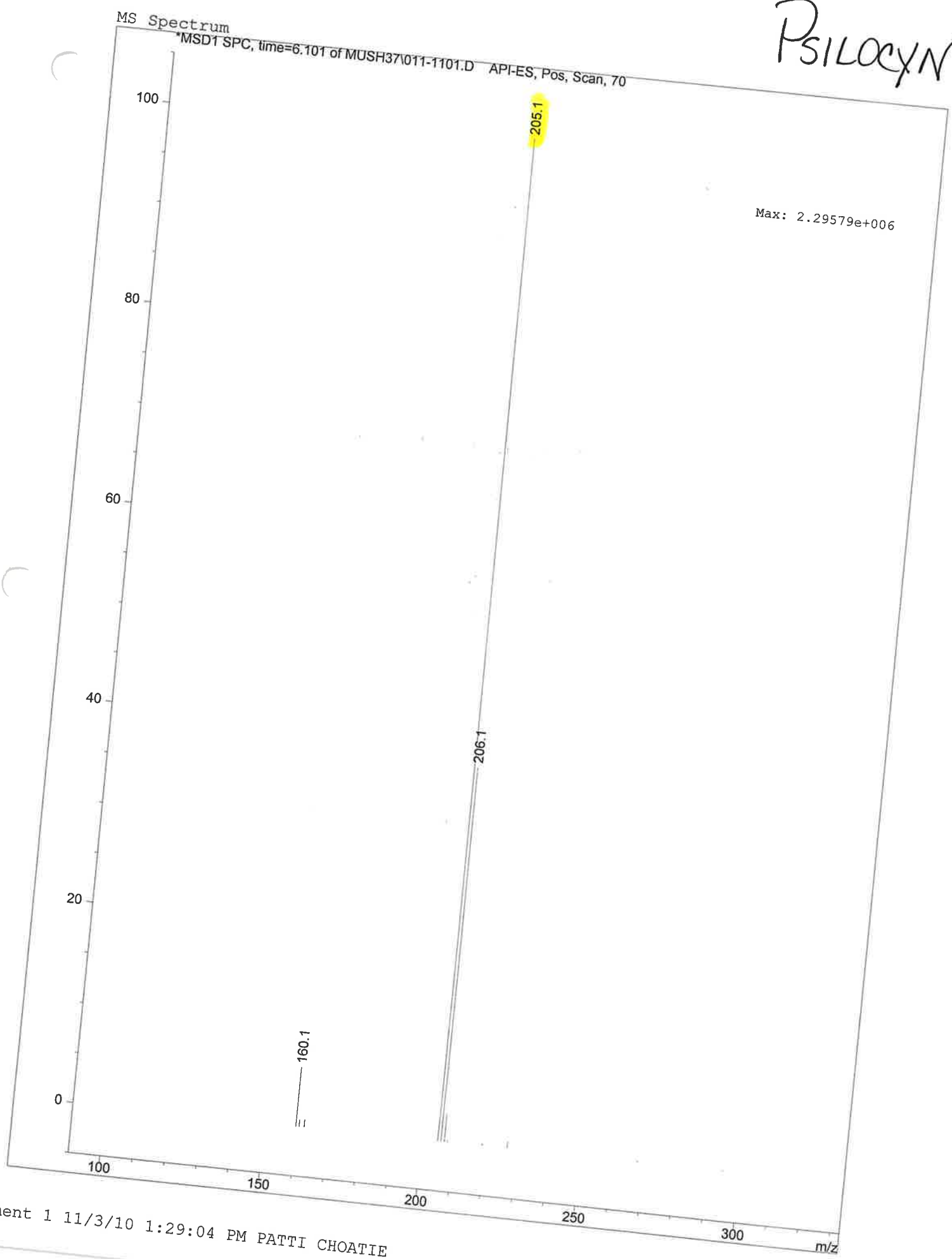
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.870	BB	0.2285	1.84531e4	1166.95142	100.0000
Totals :				1.84531e4	1166.95142	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.283	VV	0.1747	8.56378e6	7.04031e5	5.2934
2	6.044	VV	0.4635	1.42634e8	3.70250e6	88.1637
3	6.814	VV	0.1017	5.96264e6	8.89125e5	3.6856
4	6.942	VV	0.0882	4.62270e6	7.76682e5	2.8573
Totals :				1.61783e8	6.07233e6	

*** End of Report ***

PSILOCYN

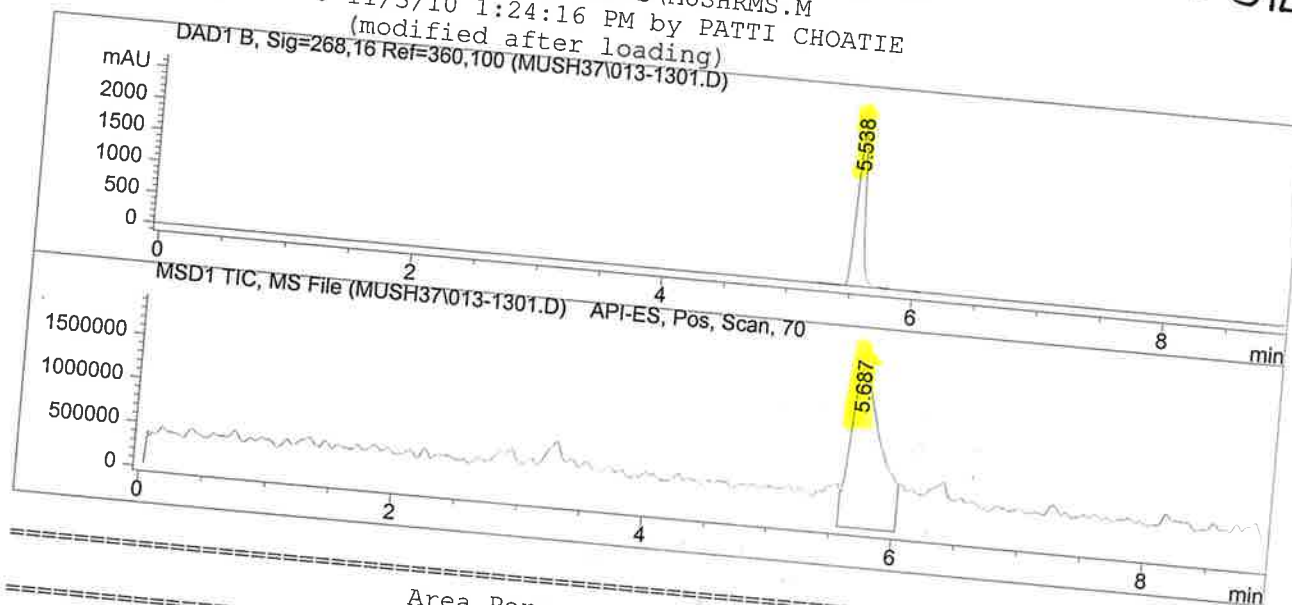


Injection Date : 11/3/10 12:00:33 PM
Sample Name : Unknown #5
Acq. Operator : PATTI CHOATIE

Seq. Line : 13
Location : Vial 13
Inj : 1
Inj Volume : 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.538	BB	0.0709	1.16192e4	2563.65454	100.0000
Totals :				1.16192e4	2563.65454	

Signal 2: MSD1 TIC, MS File

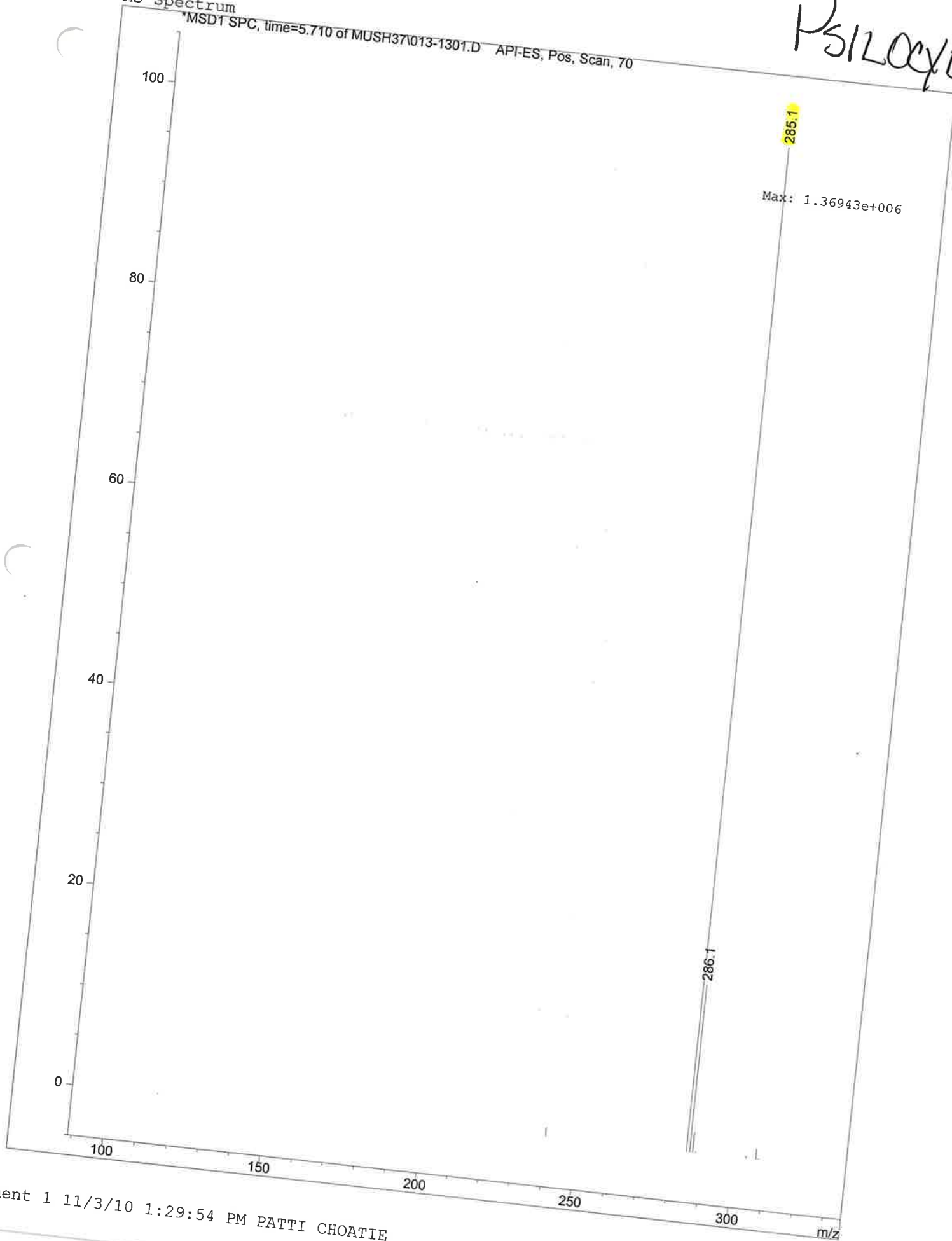
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	5.687	VV	0.2379	3.07359e7	1.83217e6	100.0000
Totals :				3.07359e7	1.83217e6	

*** End of Report ***

PSILOCYBIN

MS Spectrum

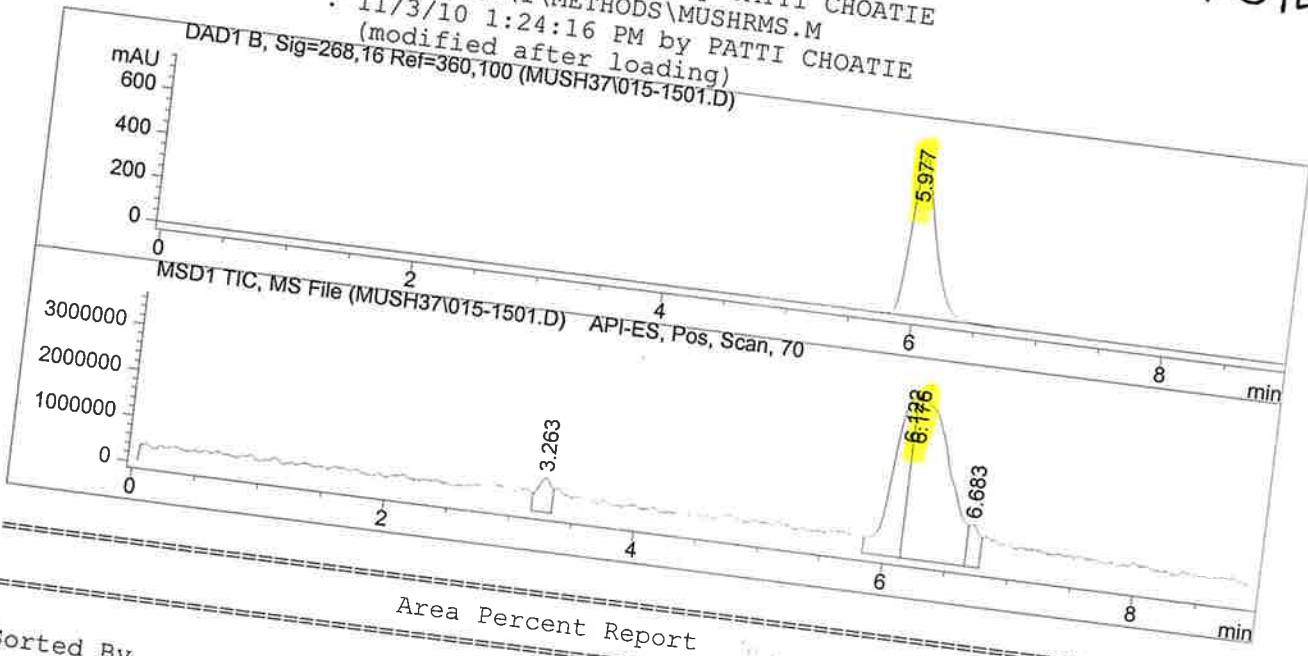
MSD1 SPC, time=5.710 of MUSH371013-1301.D API-ES, Pos, Scan, 70



Sample Name: Unknown

Injection Date : 11/3/10 12:21:23 PM
 Sample Name : Unknown #6
 Acq. Operator : PATTI CHOATIE
 Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
 Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
 Seq. Line : 15
 Location : Vial 15
 Inj : 1
 Inj Volume : 10 µl

PSILOCYN



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.977	BB	0.1981	9765.75879	720.86206	100.0000
Totals :				9765.75879	720.86206	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.263	VV	0.1178	5.74911e6	7.47819e5	4.9134
2	6.122	VV	0.1432	3.13348e7	3.48567e6	26.7798
3	6.176	VV	0.2662	7.42322e7	3.49958e6	63.4413
4	6.683	VV	0.1034	5.69305e6	9.17489e5	4.8655
Totals :				1.17009e8	8.65056e6	

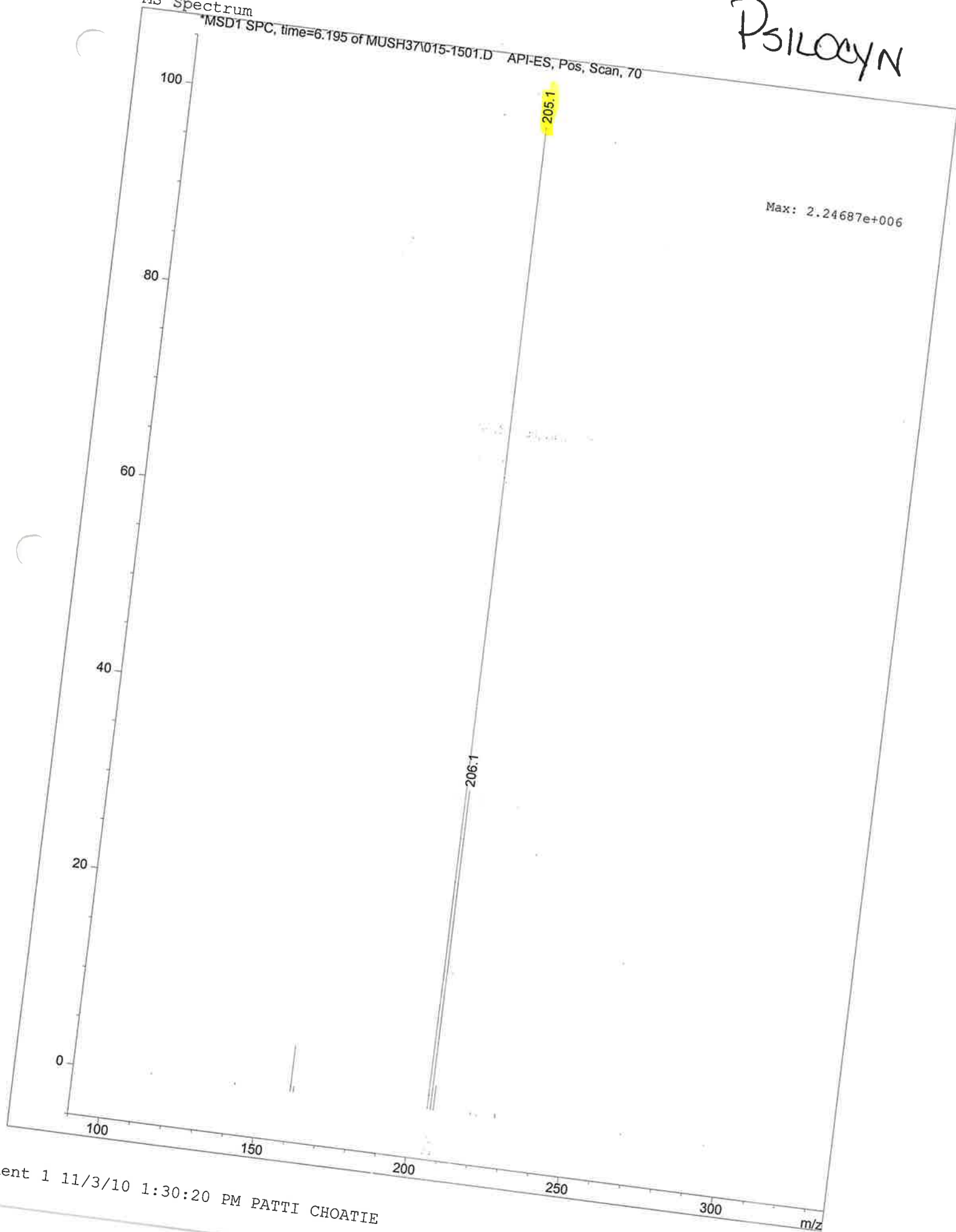
*** End of Report ***

PSILOCYN

MS Spectrum

MSD1 SPC, time=6.195 of MUSH371015-1501.D API-ES, Pos, Scan, 70

Max: 2.24687e+006



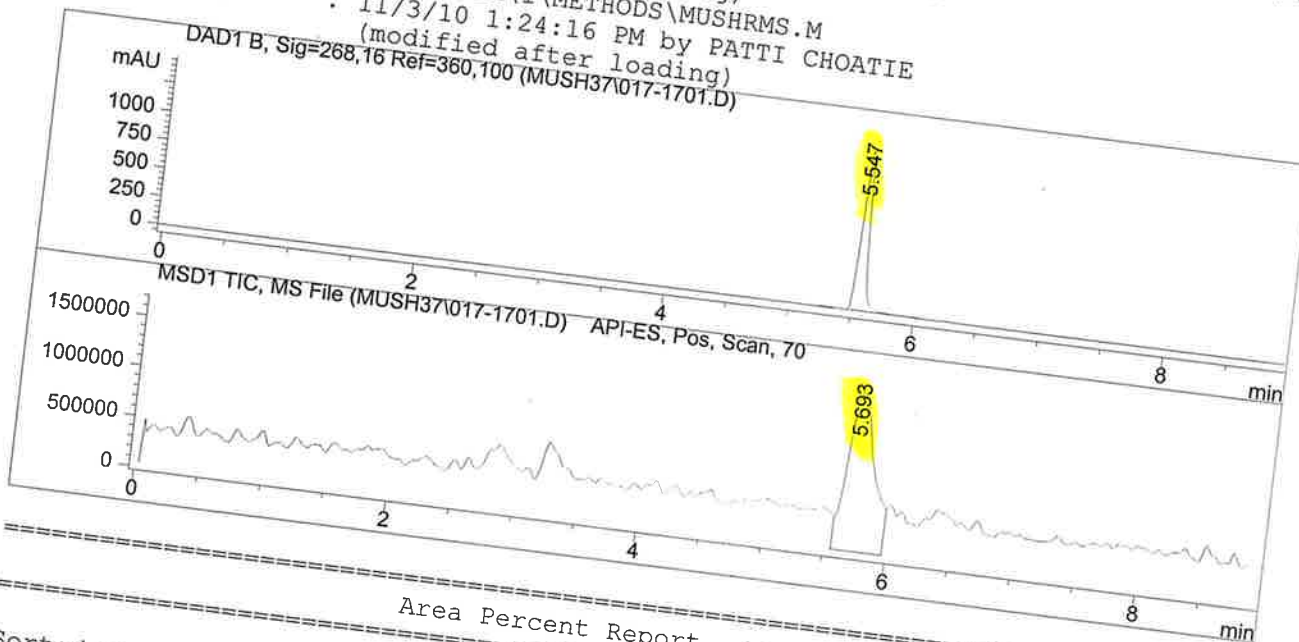
Sample Name: Unknown

Injection Date : 11/3/10 12:42:12 PM
 Sample Name : Unknown #7
 Acq. Operator : PATTI CHOATIE

Seq. Line : 17
 Location : Vial 17
 Inj : 1
 Inj Volume : 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 11/3/10 12:42:33 PM by PATTI CHOATIE
 (modified after loading)
 Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
 (modified after loading)
 DAD1 B, Sig=268,16 Ref=360,100 (MUSH37\017-1701.D)

PSILOCYBIN



Area Percent Report

Sorted By
 Multiplier
 Dilution

: Signal
 : 1.0000
 : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.547	BB	0.0646	5904.90771	1416.10608	100.0000
Totals :						
				5904.90771	1416.10608	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	5.693	VV	0.2186	2.32931e7	1.58311e6	100.0000
Totals :						
				2.32931e7	1.58311e6	

*** End of Report ***

PSILACYBIN

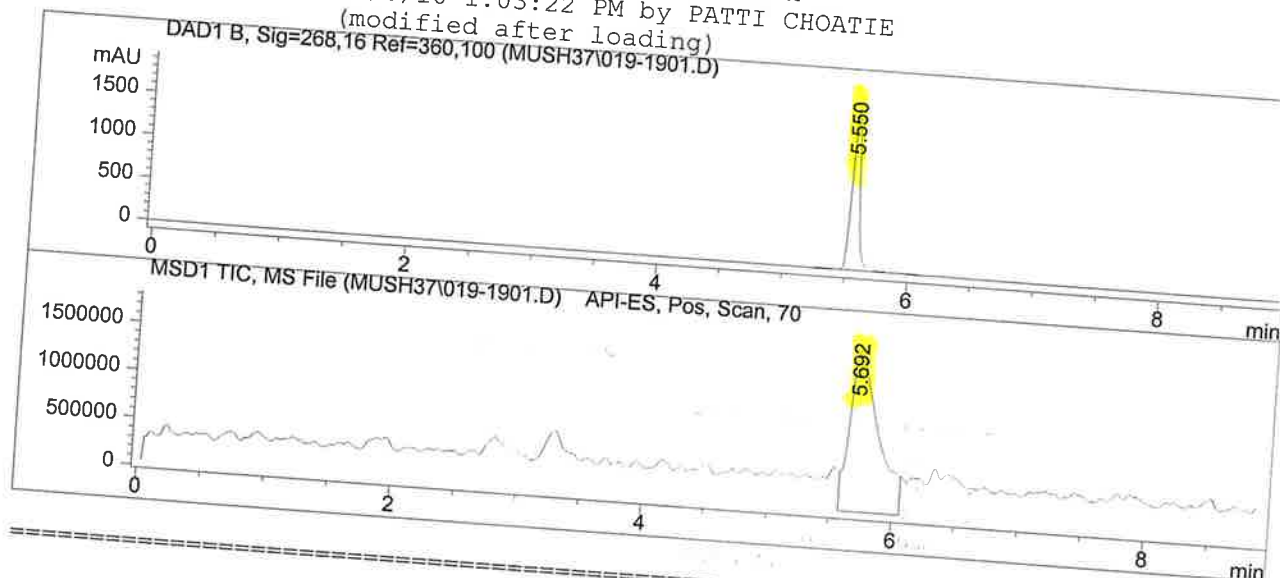
MS Spectrum

*MSD1 SPC, time=5.710 of MUSH371017-1701.D API-ES, Pos, Scan, 70



Injection Date : 11/3/10 1:03:02 PM
Sample Name : Unknown #8
Acq. Operator : PATTI CHOATIE
Seq. Line : 19
Location : Vial 19
Inj : 1
Inj Volume : 10 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRMS3.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:03:22 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.550	BB	0.0667	8168.04053	1880.88135	100.0000
Totals :				8168.04053	1880.88135	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	5.692	VV	0.2180	2.67330e7	1.68432e6	100.0000
Totals :				2.67330e7	1.68432e6	

*** End of Report ***

PSILOCYBIN

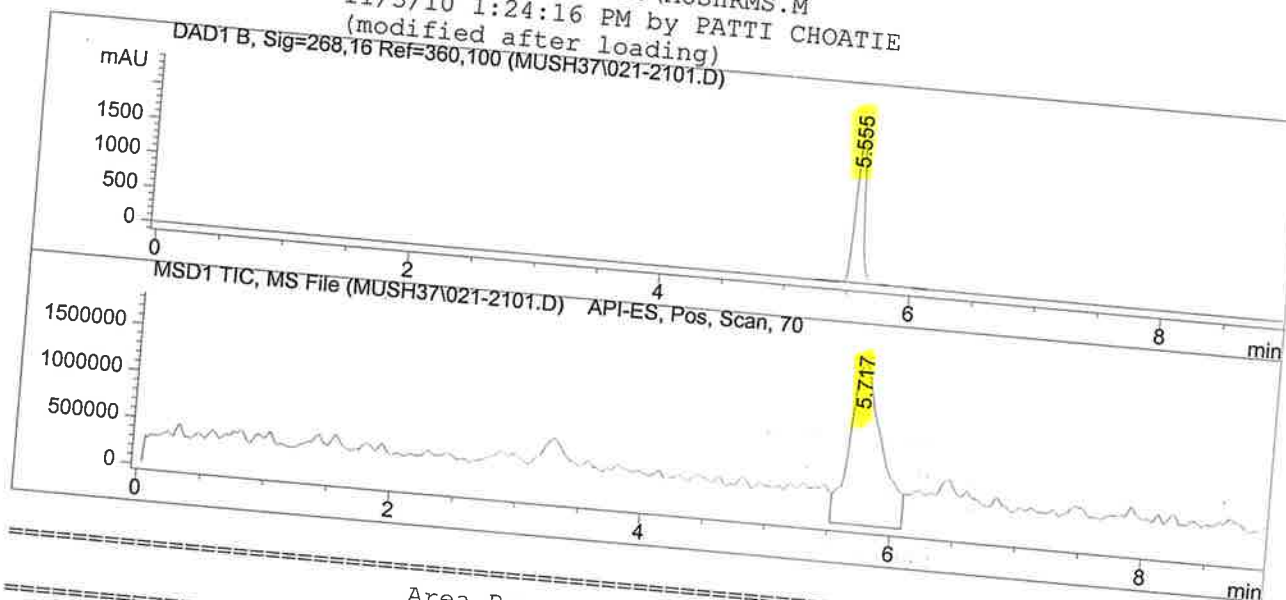


Injection Date : 11/3/10 1:23:57 PM
Sample Name : Unknown #9
Acq. Operator : PATTI CHOATIE

Seq. Line : 21
Location : Vial 21
Inj : 1
Inj Volume : 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRMS3.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 1:24:16 PM by PATTI CHOATIE
(modified after loading)

PSILOCYBIN



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.555	BB	0.0719	1.06566e4	2308.17310	100.0000
Totals :				1.06566e4	2308.17310	

Signal 2: MSD1 TIC, MS File

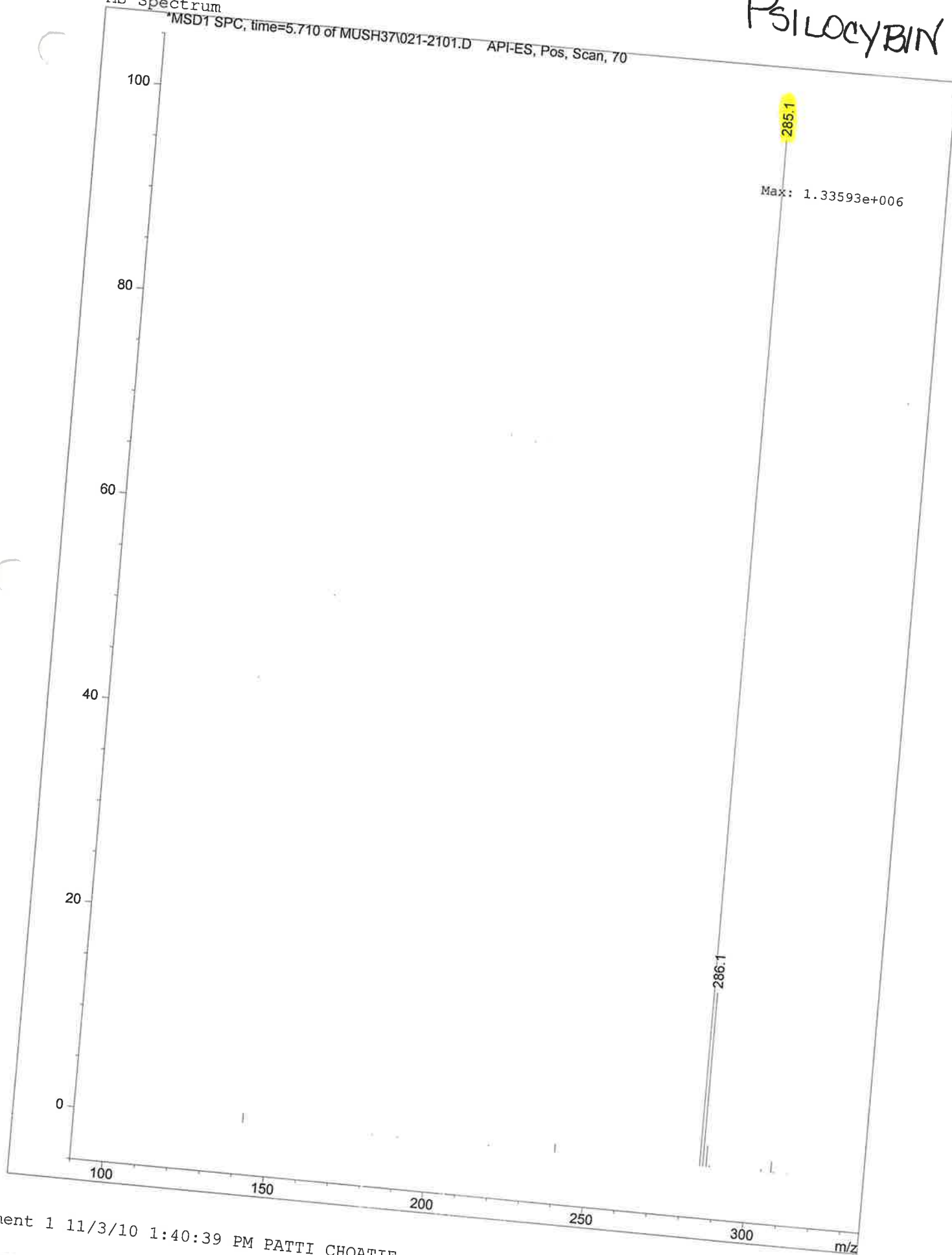
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	5.717	VV	0.2517	3.10428e7	1.72875e6	100.0000
Totals :				3.10428e7	1.72875e6	

*** End of Report ***

PSILOCYBIN

MS Spectrum

MSD1 SPC, time=5.710 of MUSH371021-2101.D API-ES, Pos, Scan, 70



Injection Date : 11/3/10 1:44:44 PM

Sample Name : Unknown #10

Acq. Operator : PATTI CHOATIE

Seq. Line : 23

Location : Vial 23

Inj : 1

Inj Volume : 10 µl

Acq. Method

Last changed

: C:\HPCHEM\1\METHODS\MUSHRMS.M

: 11/3/10 1:45:04 PM by PATTI CHOATIE

(modified after loading)

Analysis Method

Last changed

: C:\HPCHEM\1\METHODS\MUSHRMS.M

: 11/3/10 2:58:00 PM by PATTI CHOATIE

(modified after loading)

DAD1 B, Sig=268,16 Ref=360,100 (MUSH37\023-2301.D)

mAU

2000

1500

1000

500

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MSD1 TIC, MS File (MUSH37\023-2301.D) API-ES, Pos, Scan, 70

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Area Percent Report

Sorted By

Multiplier

Dilution

: Signal
: 1.0000
: 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.542	PV	0.1072	1.87670e4	2835.20581	51.4297
2	5.882	VB	0.2254	1.77236e4	1127.36438	48.5703
Totals :				3.64906e4	3962.57019	

Signal 2: MSD1 TIC, MS File

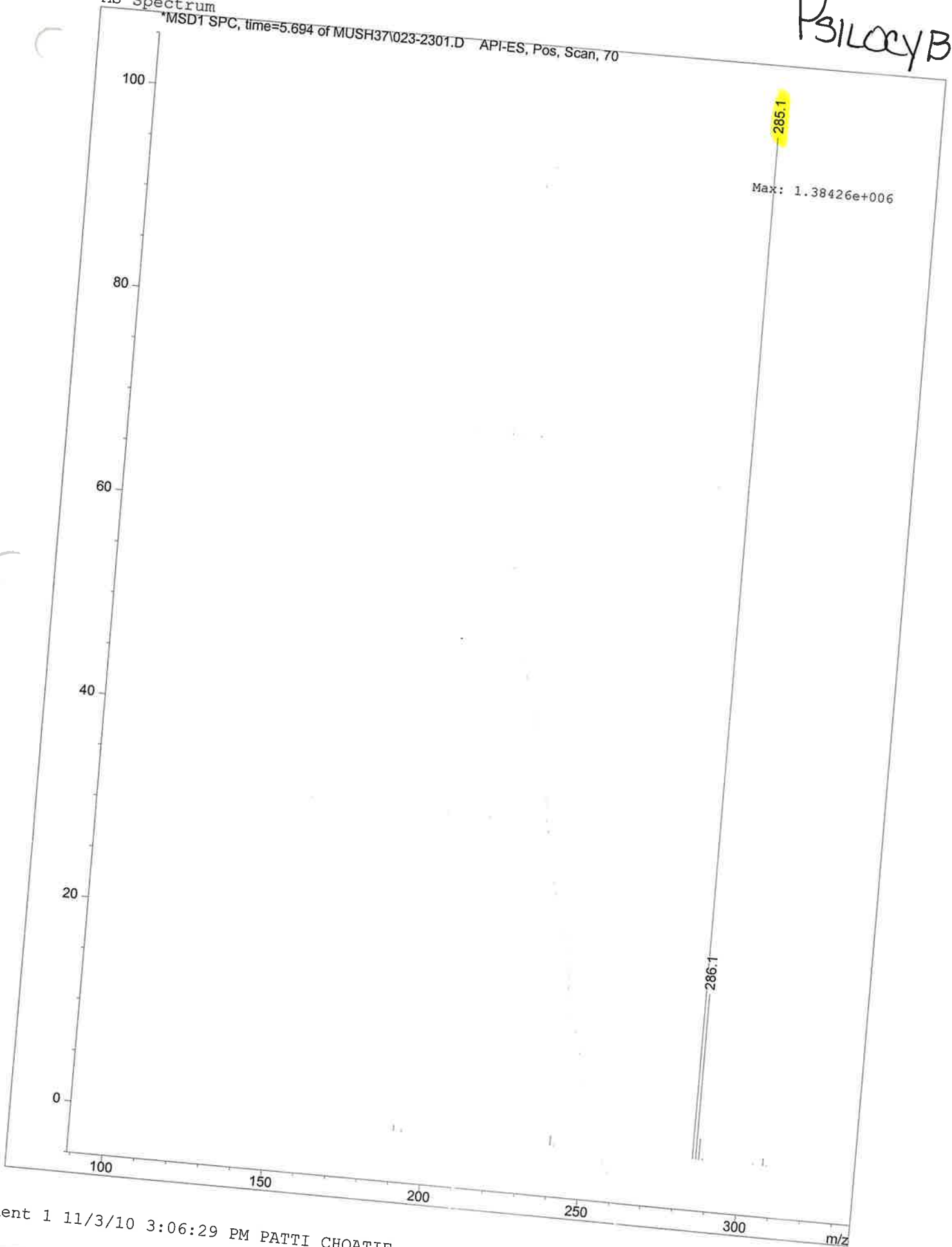
Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	5.664	VV	0.0853	8.87682e6	1.67036e6	5.2189
2	5.731	VV	0.1233	1.50487e7	1.75812e6	8.8474
3	6.055	VV	0.2453	5.70368e7	3.60944e6	33.5331
4	6.196	VV	0.3103	8.33486e7	3.44632e6	49.0024
5	7.049	VV	0.1122	5.78002e6	7.21632e5	3.3982
Totals :				1.70091e8	1.12059e7	

*** End of Report ***

PSILOCYBIN

MS Spectrum

*MSD1 SPC, time=5.694 of MUSH371023-2301.D API-ES, Pos, Scan, 70

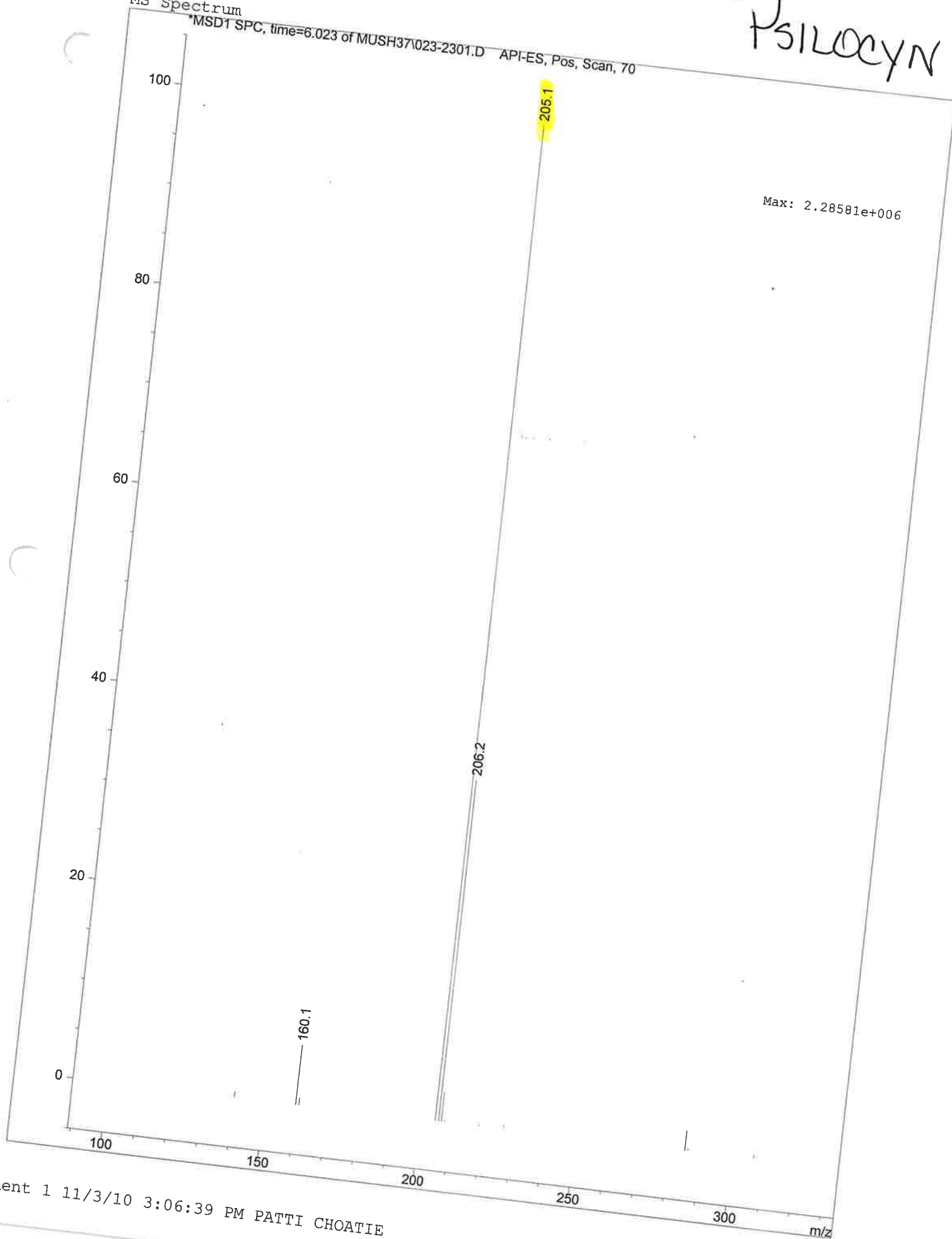


Psilocyn

MS Spectrum

MSD1 SPC, time=6.023 of MUSH371023-2301.D API-ES, Pos, Scan, 70

Max: 2.28581e+006

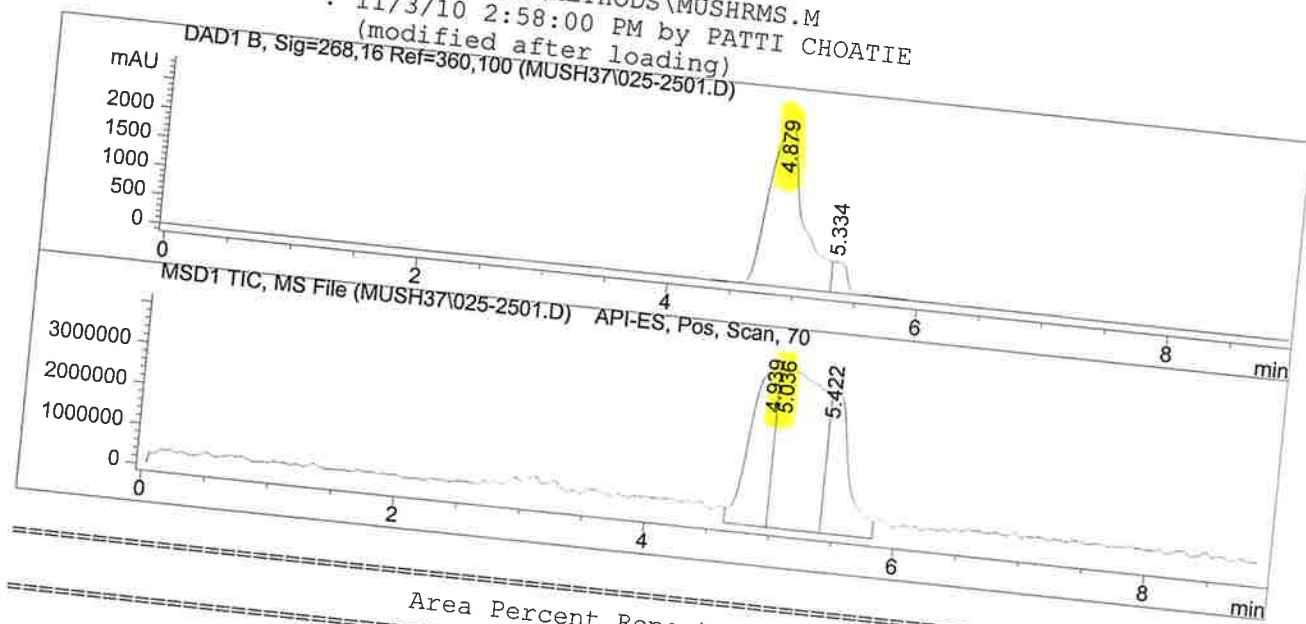


Sample Name: Unknown

Injection Date : 11/3/10 2:05:35 PM
 Sample Name : Unknown #11
 Acq. Operator : PATTI CHOATIE
 Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 11/3/10 2:05:55 PM by PATTI CHOATIE
 Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 11/3/10 2:58:00 PM by PATTI CHOATIE
 (modified after loading)

Seq. Line : 25
 Location : Vial 25
 Inj : 1
 Inj Volume : 10 µl

BufOTENINE



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.879	VV	0.3043	5.47358e4	2748.89429	92.2643
2	5.334	VB	0.1128	4589.18359	531.06427	7.7357
Totals :				5.93250e4	3279.95856	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	4.939	VV	0.1601	5.01357e7	3.88166e6	26.3987
2	5.036	VV	0.3131	9.64057e7	3.94760e6	50.7619
3	5.422	VV	0.1881	4.33761e7	3.46935e6	22.8394
Totals :				1.89917e8	1.12986e7	

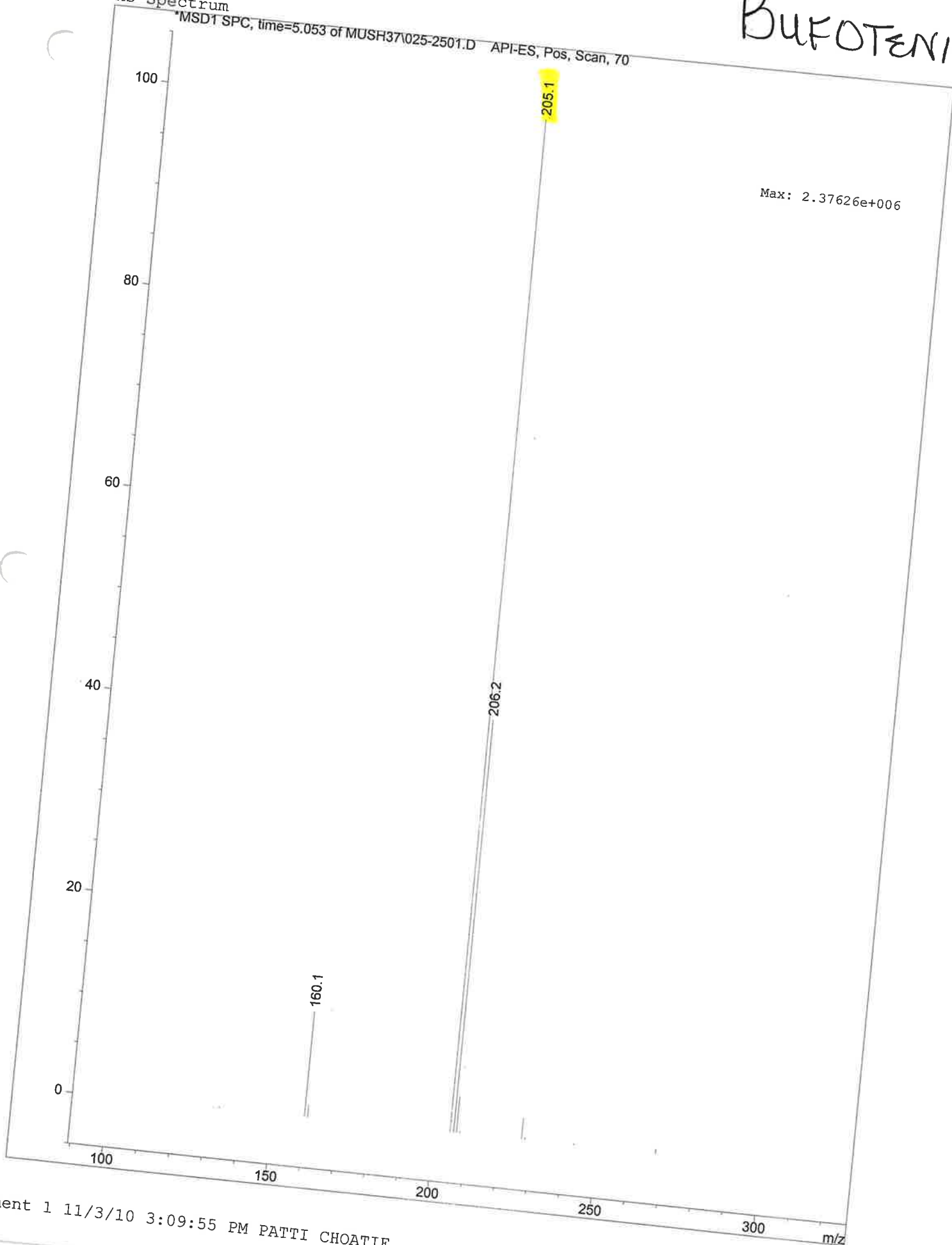
*** End of Report ***

BufOTENINE

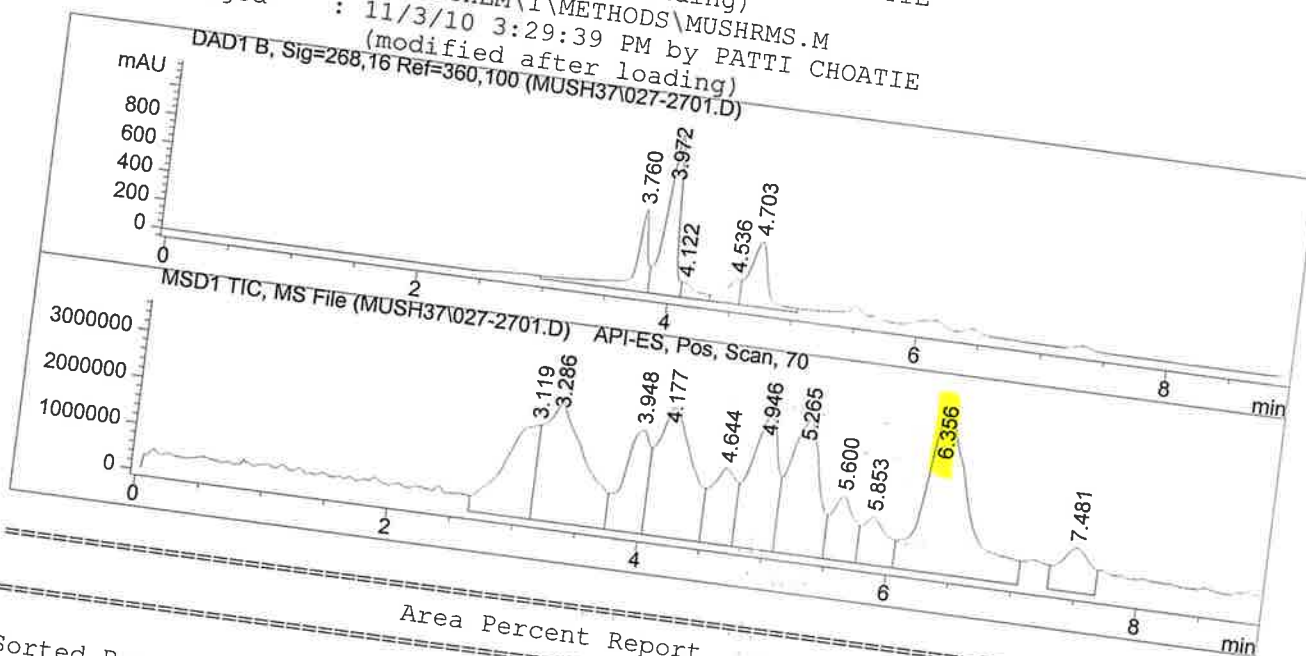
MS Spectrum

*MSD1 SPC, time=5.053 of MUSH371025-2501.D API-ES, Pos, Scan, 70

Max: 2.37626e+006



Injection Date : 11/3/10 2:26:25 PM
 Sample Name : 16751-1A
 Acq. Operator : PATTI CHOATIE
 Acq. Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 11/3/10 2:26:44 PM by PATTI CHOATIE
 Analysis Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 11/3/10 3:29:39 PM by PATTI CHOATIE
 Seq. Line : 27
 Location : Vial 27
 Inj : 1
 Inj Volume : 10 µl



Area Percent Report

Sorted By
 Multiplier
 Dilution

Signal
 1.0000
 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.760	VV	0.1030	4352.15918	570.28845	22.3979
2	3.972	VV	0.1067	7944.15479	1120.08179	40.8836
3	4.122	VV	0.1173	914.96033	105.36937	4.7087
4	4.536	VV	0.1171	1473.40002	177.06198	7.5827
5	4.703	VV	0.1536	4746.45703	455.25906	24.4271
Totals :				1.94311e4	2428.06065	

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.119	VV	0.2396	3.61896e7	2.04796e6	8.3517
2	3.286	VV	0.2920	6.16207e7	2.63137e6	14.2206
3	3.948	VV	0.1884	2.87340e7	2.22247e6	6.6311
4	4.177	VV	0.2713	5.60777e7	2.79799e6	12.9414
5	4.644	VV	0.1827	2.25216e7	1.64996e6	5.1974
6	4.946	VV	0.2278	4.34651e7	2.87707e6	10.0307
7	5.265	VV	0.2160	4.96336e7	2.93581e6	11.4542
8	5.600	VV	0.1747	1.74668e7	1.39000e6	4.0309
9	5.853	VV	0.1864	1.44208e7	1.03247e6	3.3280
10	6.356	VV	0.3408	8.67088e7	3.44154e6	20.0103

PSILOCYN

MS Spectrum

*MSD1 SPC, time=6.336 of MUSH371027-2701.D API-ES, Pos, Scan, 70

Max: 1.77678e+006



**Case Samples Analyzed on Several Occasions with Reports Showing
HPLC Results (that were reported)**

This section contains data generated on numerous occasions to show the robustness and reproducibility of the selected mushroom procedure.

**These samples were analyzed using the Phenomenex Prodigy 5 μ
C – 18 ODS(2) column (150 x 4.60 mm).**



PHIL BREDESEN
Governor

State of Tennessee
TENNESSEE BUREAU OF INVESTIGATION

NASHVILLE CRIME LABORATORY

901 R.S. Gass Boulevard
Nashville, Tennessee 37216-2639
(615) 744-4000
Facsimile (615) 744-4668
TDD (615) 744-4001



MARK GWYN
Director

OFFICIAL FORENSIC CHEMISTRY REPORT

TO: Edward M. Black
19th District DTF
P.O. Box 3203
Clarksville, TN 37043

DATE ISSUED: 11/9/10
LAB CASE NO: 101013272
COUNTY: Montgomery
AGENCY CASE NO: T09272

SUBJECT(S):
JOHN BALDWIN
ALLEN BIRD

VICTIM(S):

Received From: Edward M. Black
Received By: Jennifer Gillis
Date Received: 8/18/10
Time Received: 1:25 pm

EXHIBIT(S):

01-a Plant material
01-b Tablets
01-c Mushrooms

RESULTS:

01-a	<u>Controlled Substance</u> Marihuana Weight includes wrapping. No analysis was performed on additional plant material. The gross weight of this additional plant material is 593.3 grams. The total weight for all the plant material would not exceed 10.0 pounds.	<u>Schedule</u> VI	<u>Amount</u> 436.8 Gram(s)
01-b	Dihydrocodeinone	III	4 Tablet(s)
01-c	Other submitted items were not analyzed. Psilocyn	I	30.3 Gram(s)



OFFICIAL FORENSIC CHEMISTRY REPORT

LABORATORY CASE NO: 101013272

DATE ISSUED: 11/9/10

DISPOSITION:

All examinations have been completed. Please pick up evidence within thirty days.

Respectfully Submitted,

Laura R Adams

Laura Adams
Special Agent / Forensic Scientist

I certify and attest that this document is the proper record it purports to be.

Philip R Smith

Designated Representative of Director TBI (T.C.A. 38-6-107 and/or 55-10-410)



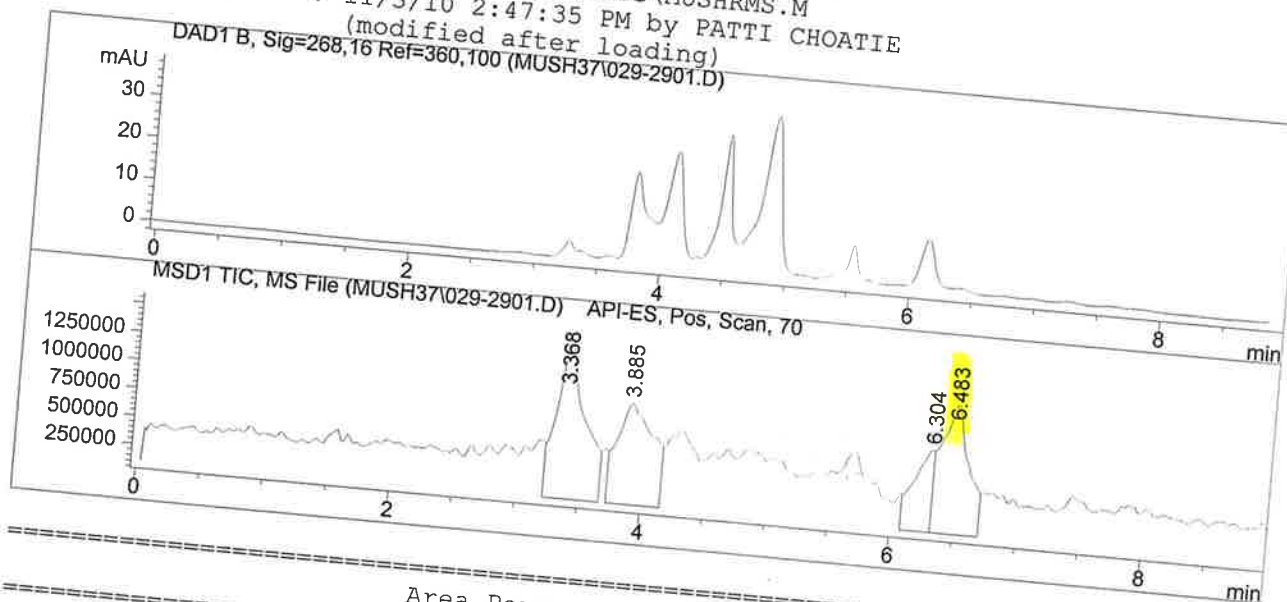
INTERNATIONALLY ACCREDITED SINCE 1994

PSILOCYN

Injection Date : 11/3/10 2:47:14 PM
Sample Name : 13272-1C
Acq. Operator : PATTI CHOATIE

Seq. Line : 29
Location : Vial 29
Inj : 1
Inj Volume : 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRMS3.S
Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
Last changed : 11/3/10 2:47:35 PM by PATTI CHOATIE
(modified after loading)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.368	VV	0.2105	2.21276e7	1.41552e6	
2	3.885	VV	0.2529	1.76489e7	8.97483e5	34.0315
3	6.304	VV	0.1348	7.53315e6	7.30329e5	27.1434
4	6.483	VV	0.2030	1.77113e7	1.15111e6	11.5857
Totals :				6.50211e7	4.19444e6	27.2394

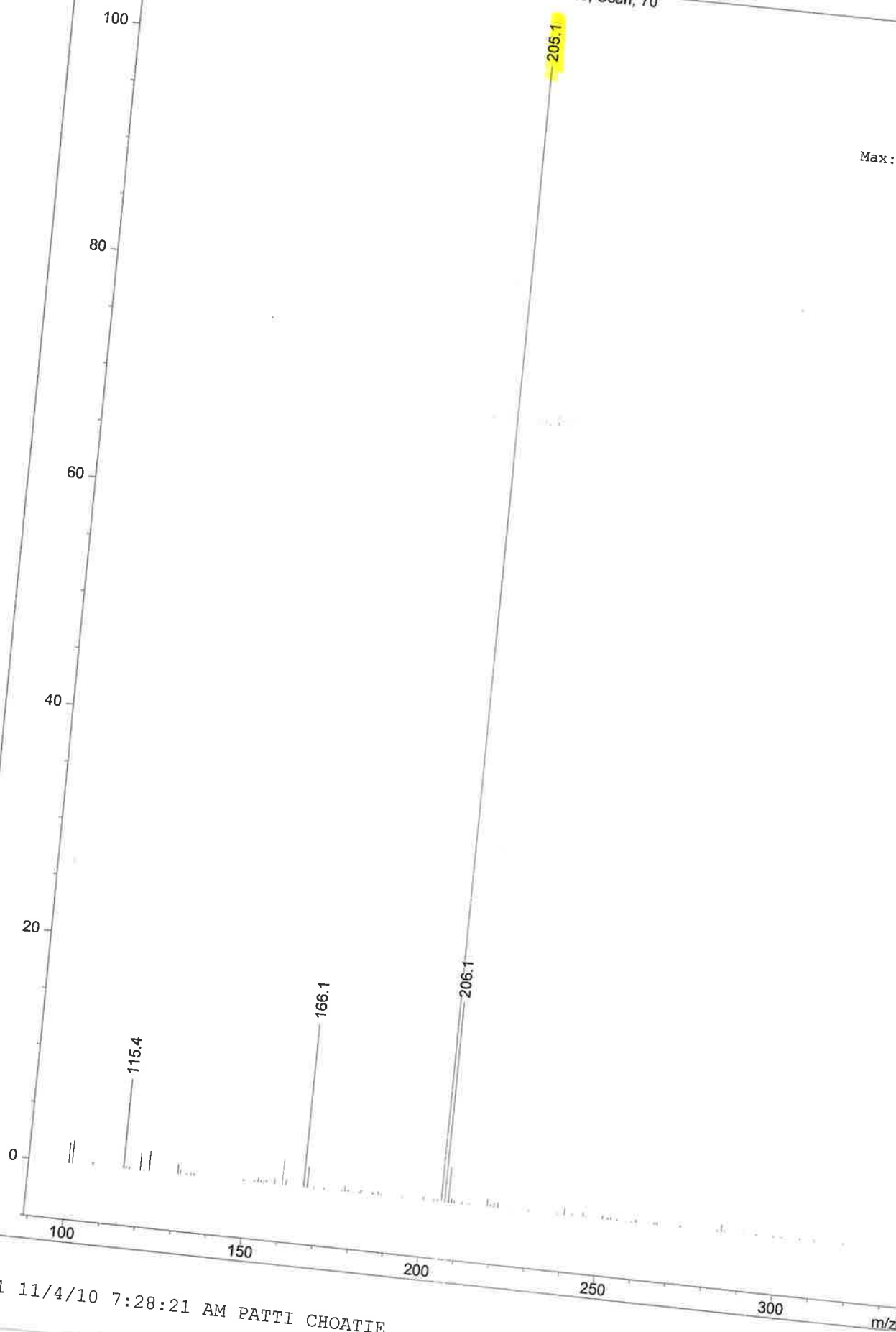
*** End of Report ***

Psilocyn

MS Spectrum

MSD1 SPC, time=6.258 of MUSH371029-2901.D API-ES, Pos, Scan, 70

Max: 241920

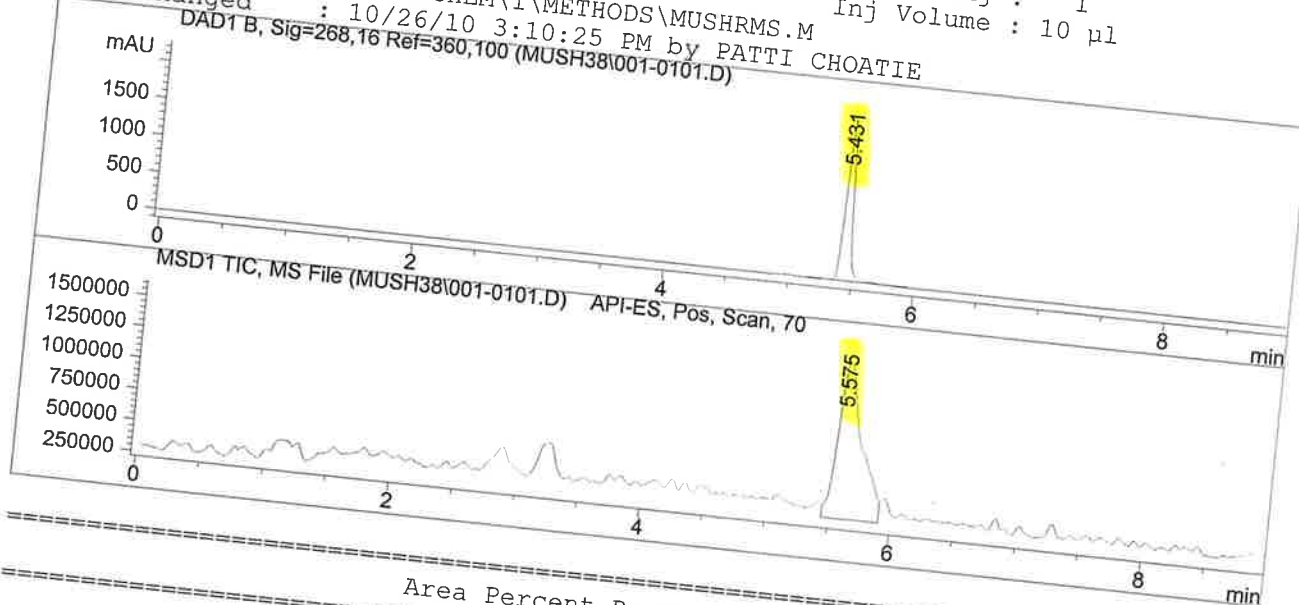


Sample Name: PSILOCYBIN STD

Injection Date : 11/10/10 2:45:56 PM
 Sample Name : PSILOCYBIN STD
 Acq. Operator : PATTI CHOATIE

Seq. Line : 1
 Location : Vial 1
 Inj : 1
 Inj Volume : 10 µl

Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
 DAD1 B, Sig=268,16 Ref=360,100 (MUSH38\001-0101.D)



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.431	VB	0.0600	8572.60645	2172.31738	100.0000
Totals :				8572.60645	2172.31738	

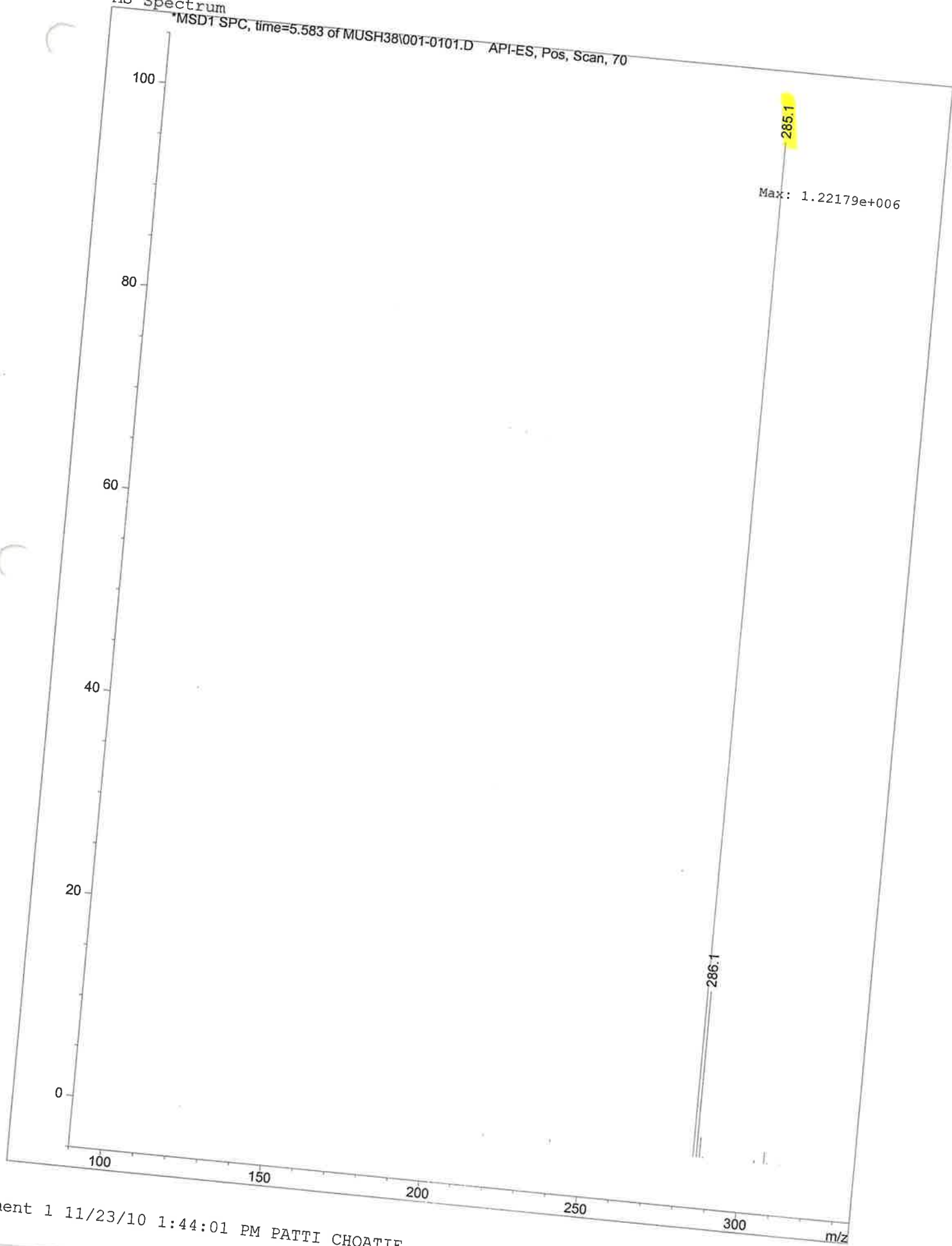
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	5.575	VV	0.1858	1.66629e7	1.27095e6	100.0000
Totals :				1.66629e7	1.27095e6	

*** End of Report ***

MS Spectrum

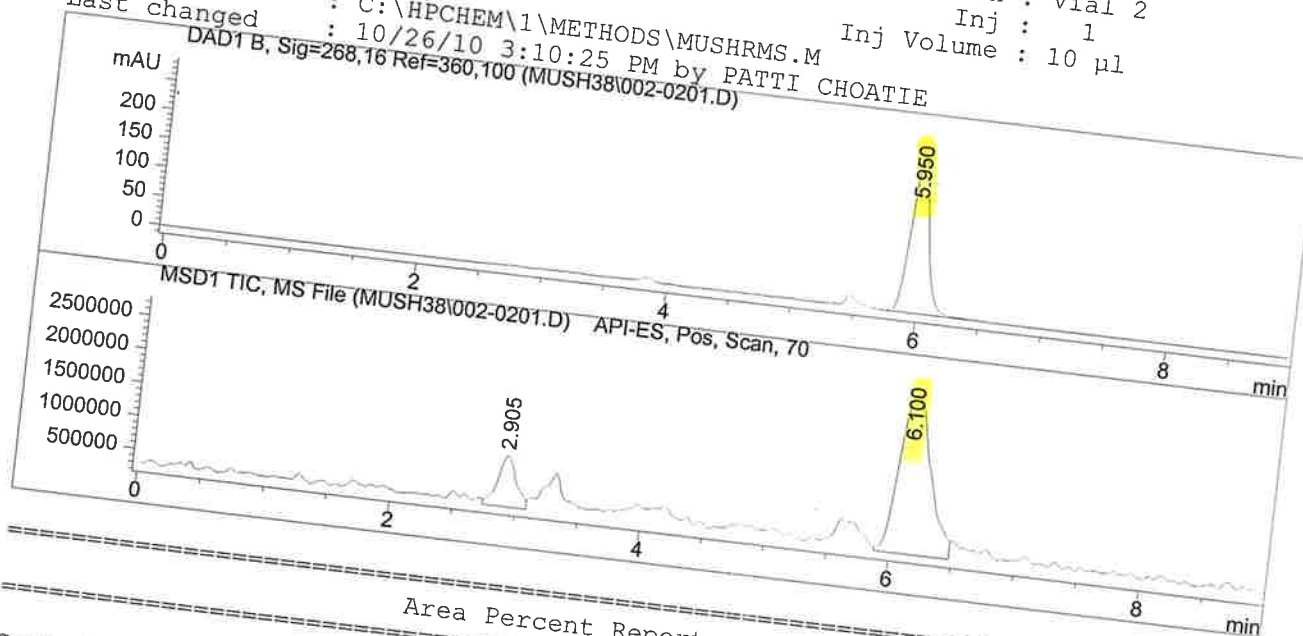
*MSD1 SPC, time=5.583 of MUSH38\001-0101.D API-ES, Pos, Scan, 70



Injection Date : 11/10/10 2:56:21 PM
 Sample Name : PSILOCYN STD
 Acq. Operator : PATTI CHOATIE

Seq. Line : 2
 Location : Vial 2
 Inj : 1
 Inj Volume : 10 µl

Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
 DAD1 B, Sig=268,16 Ref=360,100 (MUSH38\002-0201.D)



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.950	VB	0.1496	2669.00610	274.04086	100.0000
Totals :				2669.00610	274.04086	

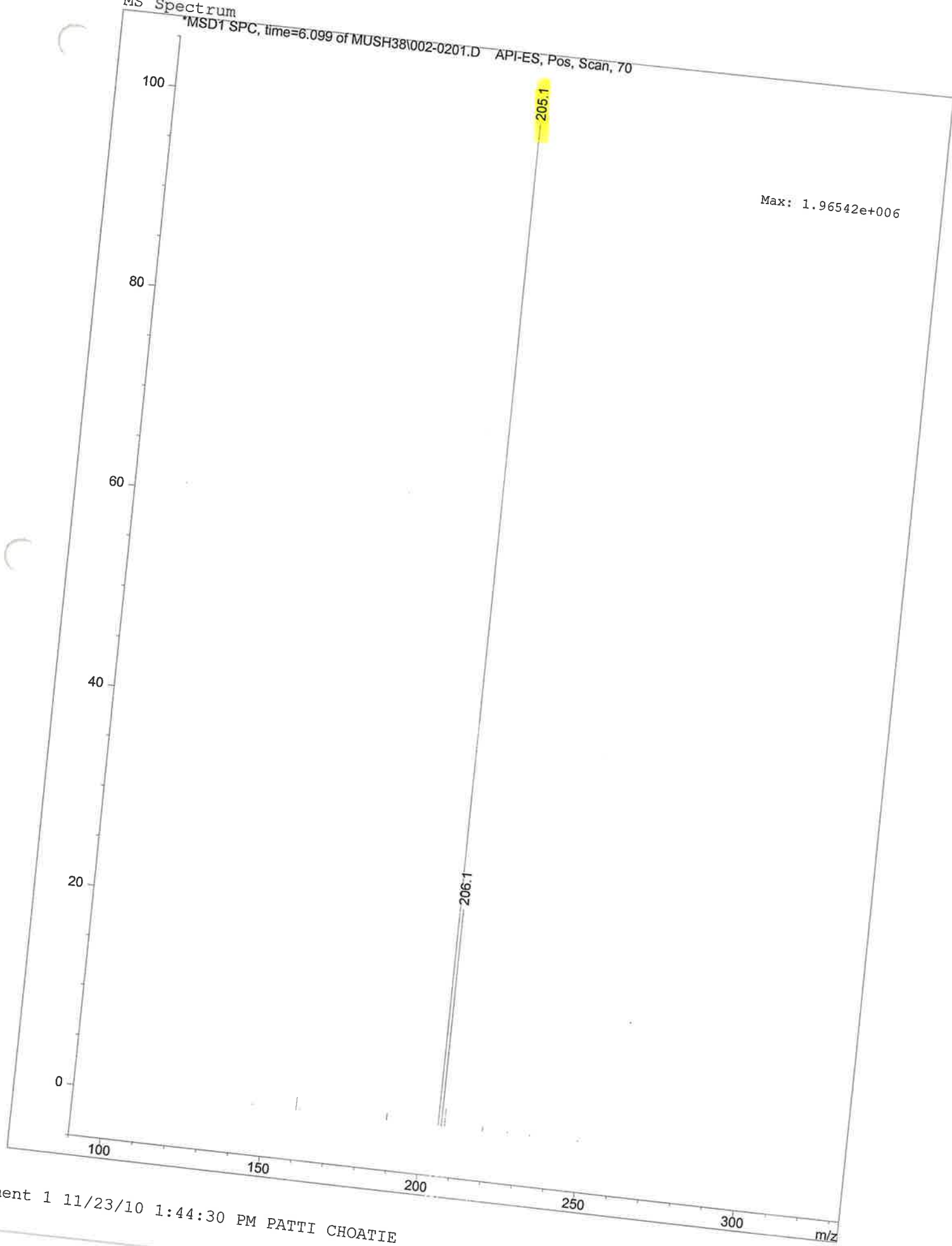
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.905	VV	0.1545	7.95333e6	7.62478e5	16.1106
2	6.100	VV	0.2647	4.14136e7	2.37104e6	83.8894
Totals :				4.93669e7	3.13352e6	

*** End of Report ***

MS Spectrum

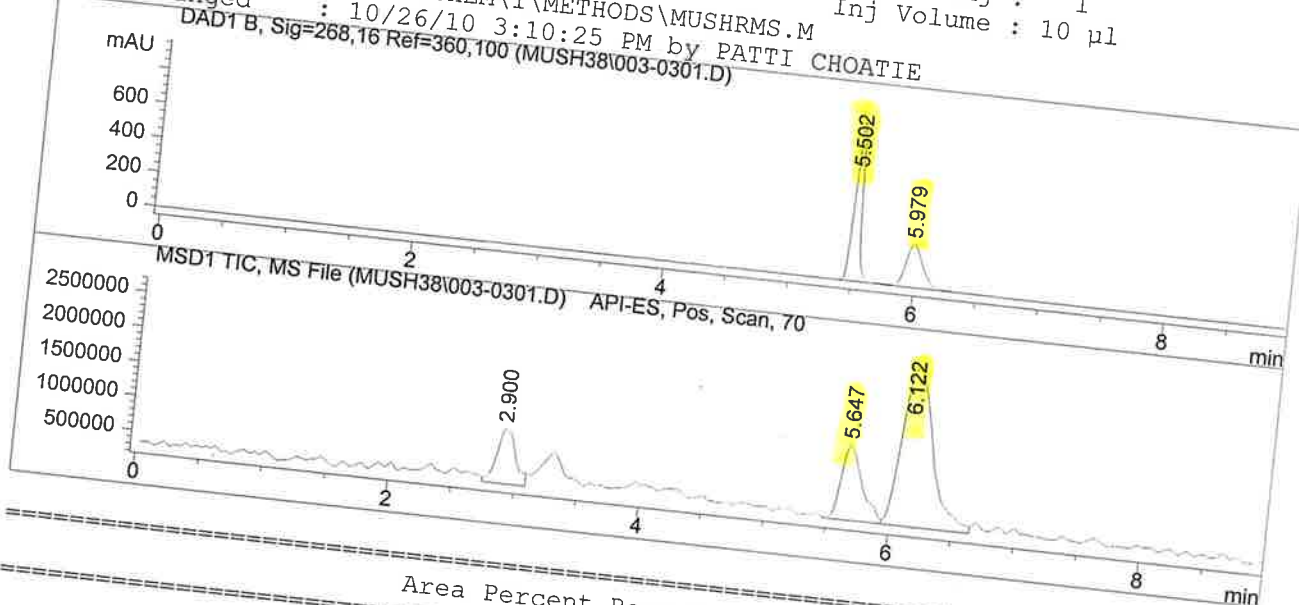
MSD1 SPC, time=6.099 of MUSH381002-0201.D API-ES, Pos, Scan, 70



Injection Date : 11/10/10 3:06:48 PM
 Sample Name : PSCYBIN & PSCYN
 Acq. Operator : PATTI CHOATIE

Seq. Line : 3
 Location : Vial 3
 Inj : 1
 Inj Volume : 10 µl

Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
 DAD1 B, Sig=268,16 Ref=360,100 (MUSH38\003-0301.D)



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.502	PV	0.0624	3676.39795	924.21906	60.7861
2	5.979	VB	0.1452	2371.68970	248.93639	39.2139
Totals :				6048.08765	1173.15544	

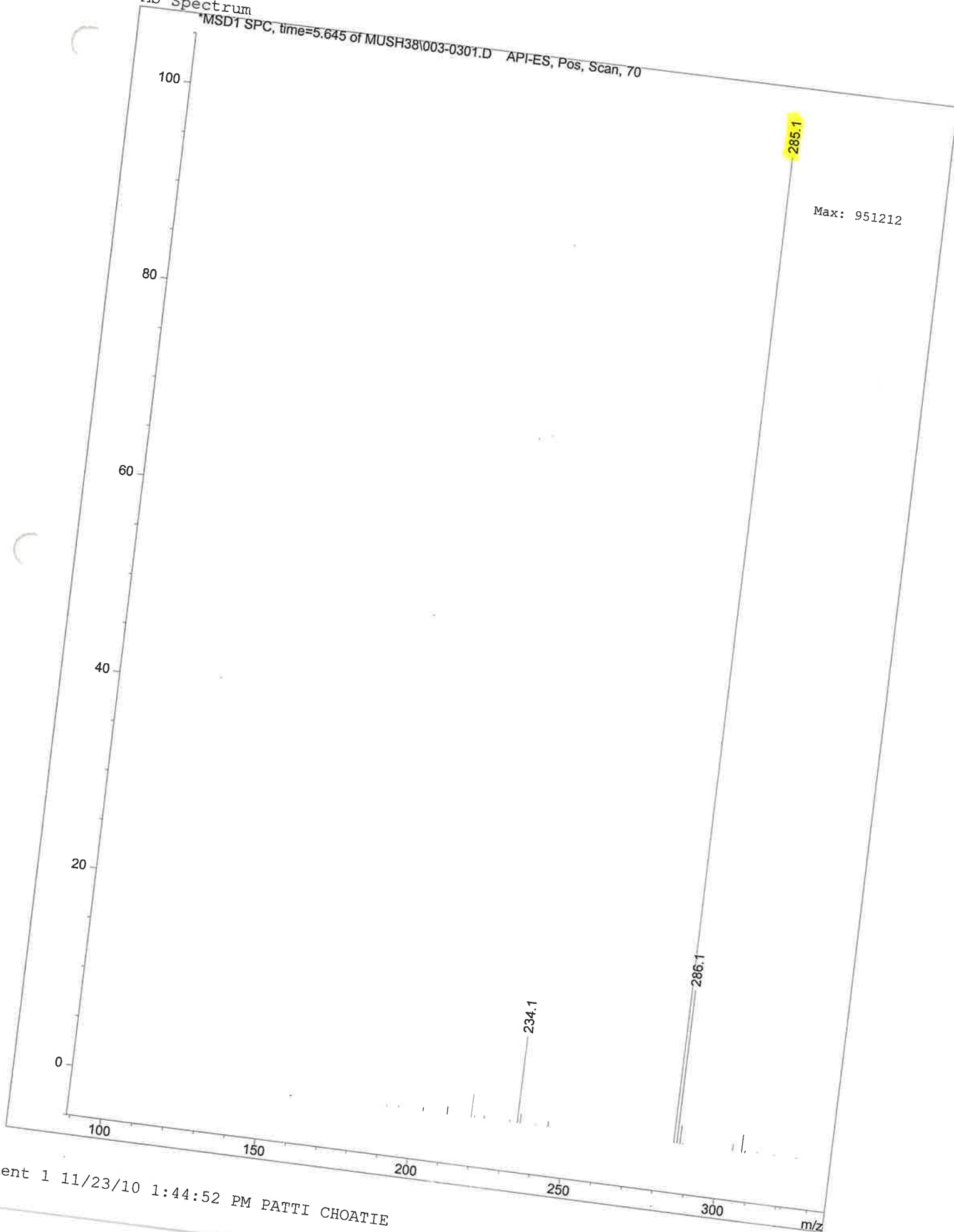
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.900	VV	0.1583	8.35468e6	8.06939e5	13.8647
2	5.647	VV	0.1688	1.27377e7	1.09262e6	21.1385
3	6.122	VV	0.2569	3.91660e7	2.27824e6	64.9967
Totals :				6.02584e7	4.17780e6	

*** End of Report ***

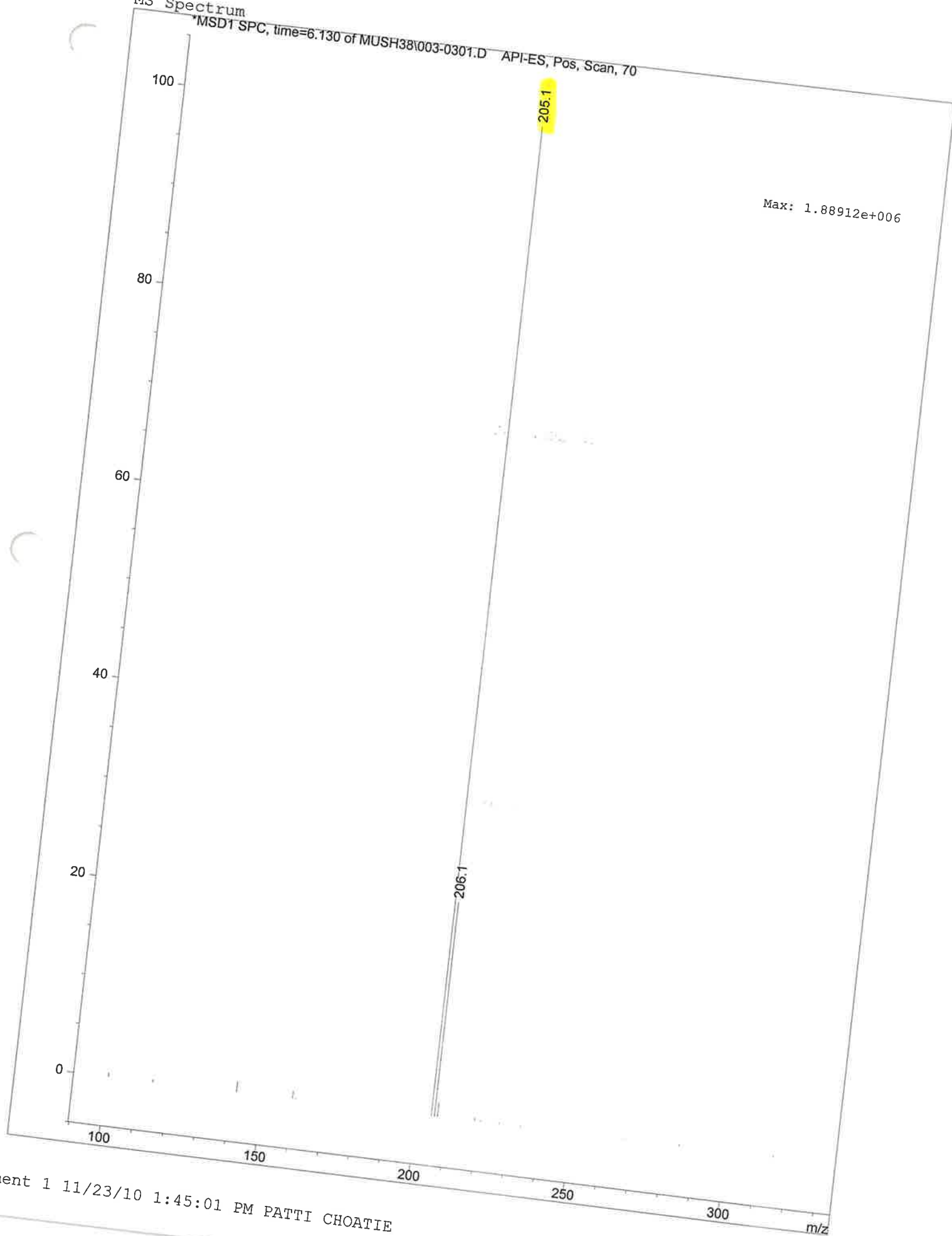
MS Spectrum

MSD1 SPC, time=5.645 of MUSH381003-0301.D API-ES, Pos, Scan, 70



MS Spectrum

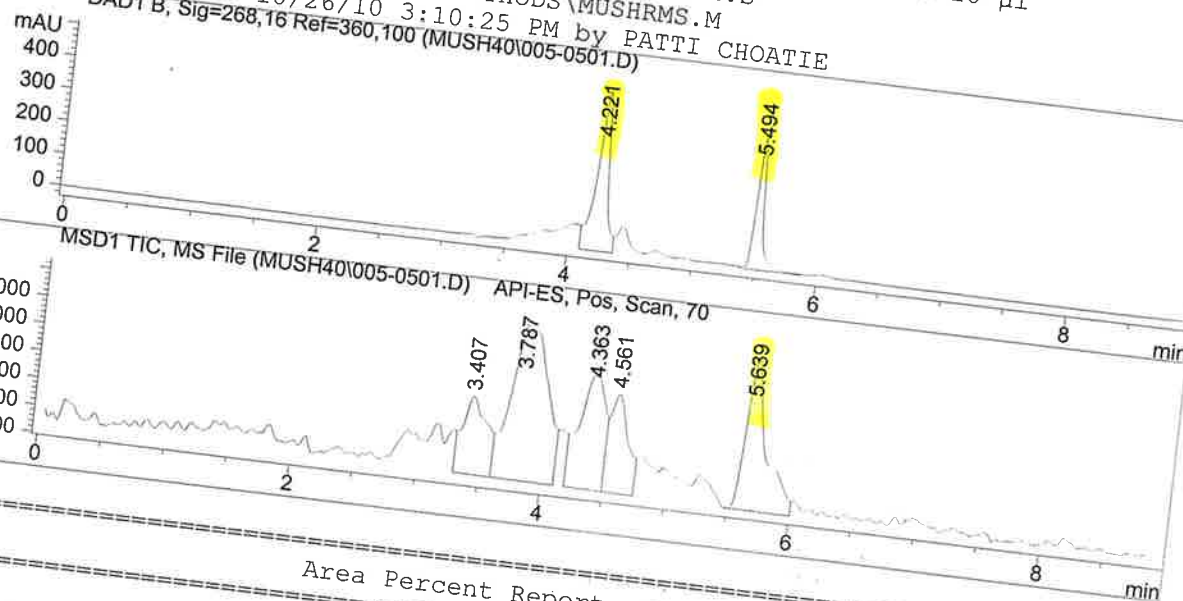
MSD1 SPC, time=6.130 of MUSH381003-0301.D API-ES, Pos, Scan, 70



Injection Date : 11/10/10 4:14:33 PM
 Sample Name : 5957-03A
 Acq. Operator : PATTI CHOATIE

Seq. Line : 5
 Location : Vial 5
 Inj : 1
 Inj Volume : 10 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\MUSHRMS2.S
 Method : C:\HPCHEM\1\METHODS\MUSHRMS.M
 Last changed : 10/26/10 3:10:25 PM by PATTI CHOATIE
 DAD1 B, Sig=268,16 Ref=360,100 (MUSH40\005-0501.D)



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 B, Sig=268,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.221	VV	0.0935	3202.59863	494.68134	63.8051
2	5.494	VB	0.0655	1816.74963	411.74261	36.1949
Totals :				5019.34827	906.42395	

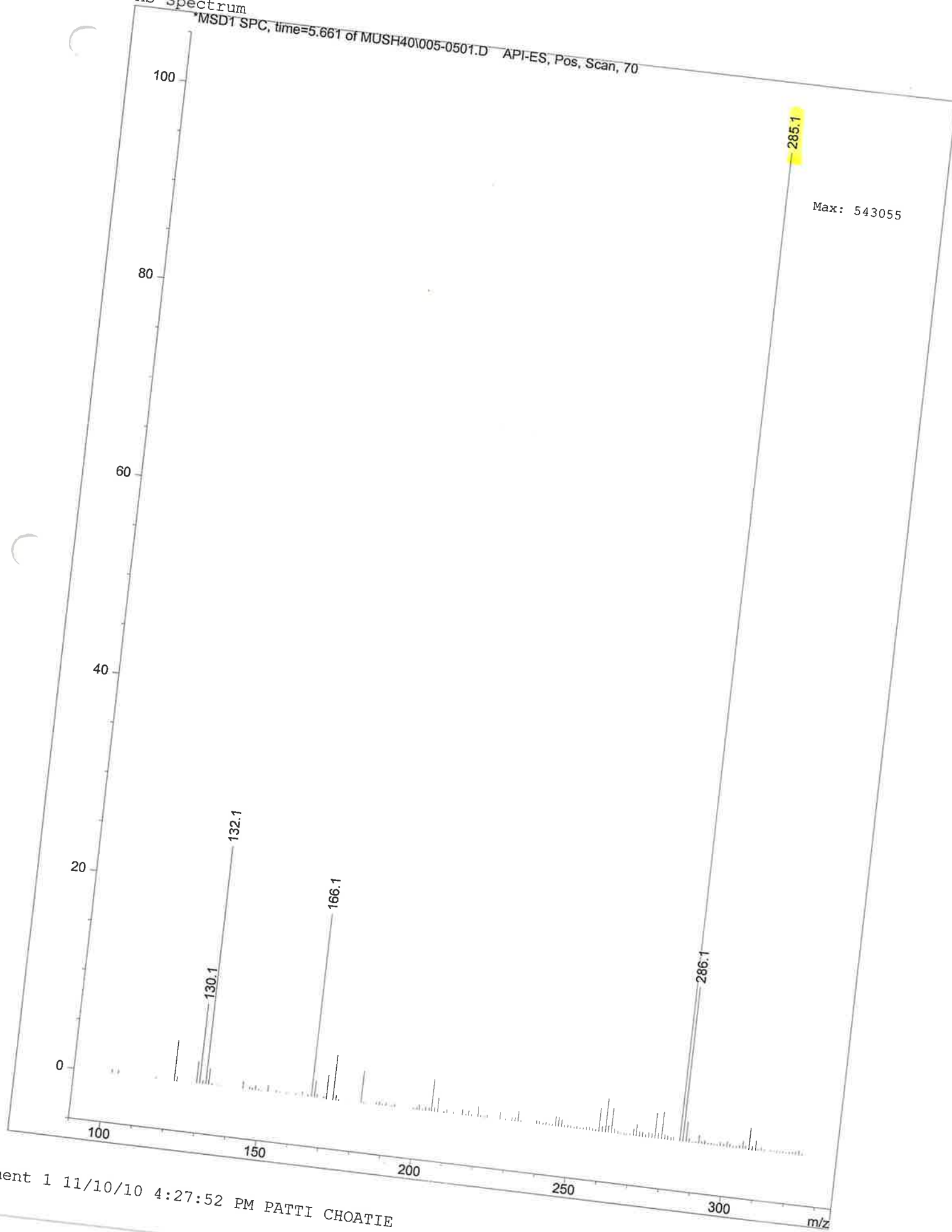
Signal 2: MSD1 TIC, MS File

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	3.407	VV	0.1775	9.39314e6	7.11546e5	11.9932
2	3.787	VV	0.2580	2.88111e7	1.43285e6	36.7862
3	4.363	VV	0.1935	1.43541e7	1.07364e6	18.3275
4	4.561	VV	0.1475	9.61339e6	9.03975e5	12.2744
5	5.639	VV	0.1614	1.61486e7	1.41366e6	20.6187
Totals :				7.83204e7	5.53567e6	

*** End of Report ***

MS Spectrum

MSD1 SPC, time=5.661 of MUSH40\005-0501.D API-ES, Pos, Scan, 70



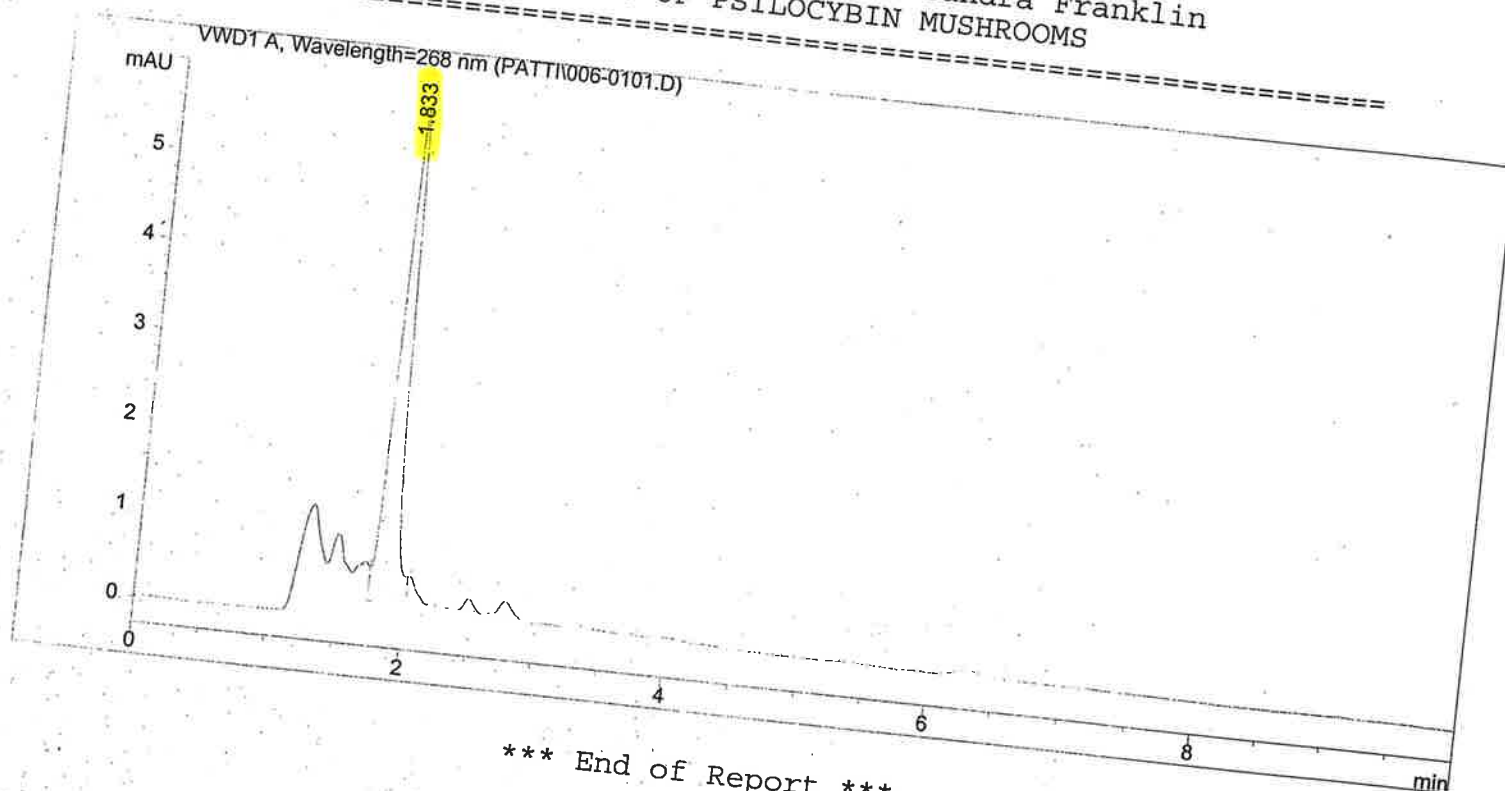
Data File C:\HPCHEM\1\DATA\PATTI\006-0101.D

Injection Date : 11/9/10 11:10:13 AM
Sample Name : 103005957-03-A
Acq. Operator : JLS

Sample Name: 103005957-03-A

Seq. Line : 1
Vial : 6
Inj : 1
Inj Volume : 10 μ l

Sequence File : C:\HPCHEM\1\SEQUENCE\JLS.S
Method : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed : 4/14/08 12:34:47 PM by Cassandra Franklin
THIS IS A METHOD FOR ANALYSIS OF PSILOCYBIN MUSHROOMS



Data File C:\HPCHEM\1\DATA\PATTI\002-0201.D

Sample Name: PSILOCYBIN STD

Injection Date : 11/9/10 9:48:11 AM
Sample Name : PSILOCYBIN STD
Acq. Operator : JLS

Seq. Line : 2

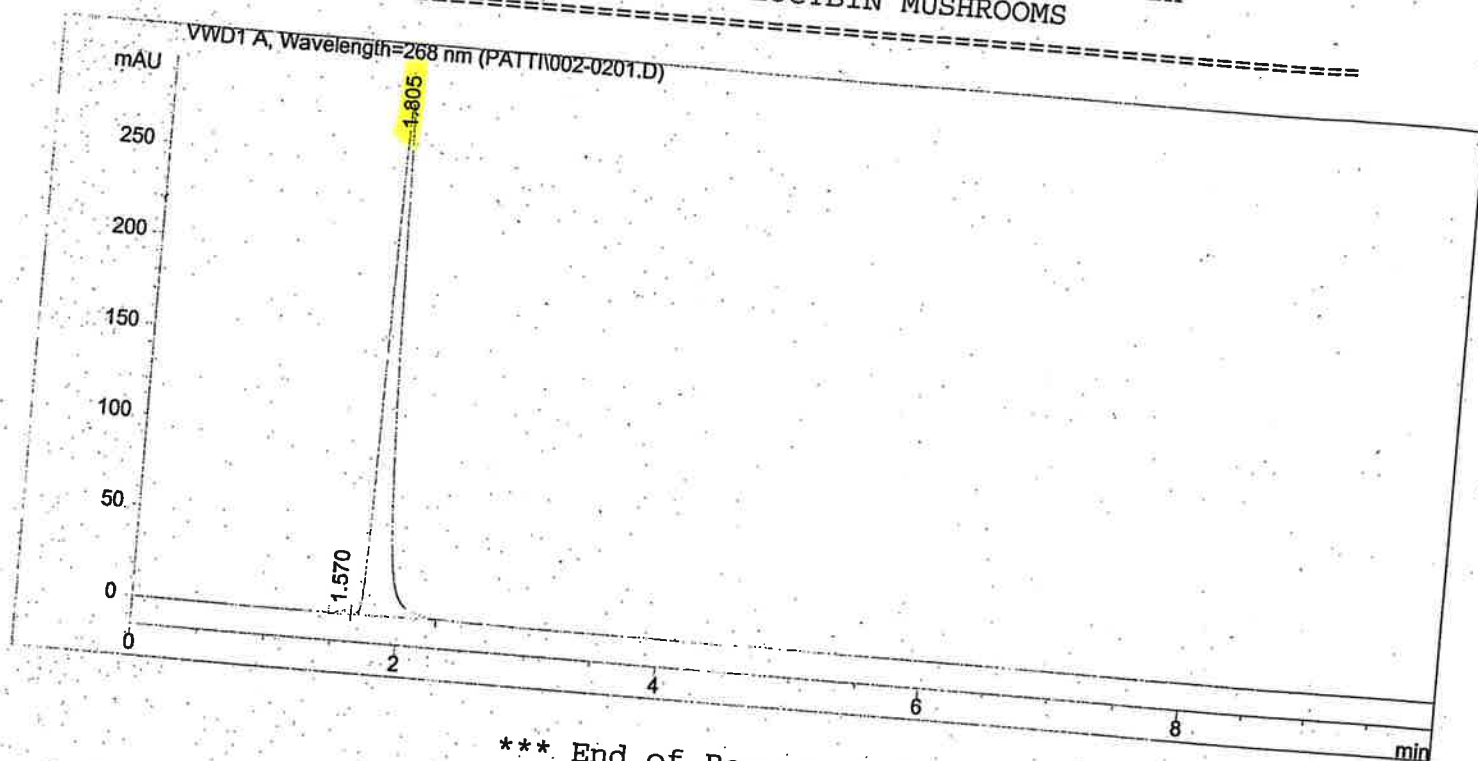
Vial : 2

Inj : 1

Inj Volume : 10 μ l

Sequence File : C:\HPCHEM\1\SEQUENCE\JLS.S
Method : C:\HPCHEM\1\METHODS\PSILOCYN.M

Last changed : 4/14/08 12:34:47 PM by Cassandra Franklin
THIS IS A METHOD FOR ANALYSIS OF PSILOCYBIN MUSHROOMS



*** End of Report ***

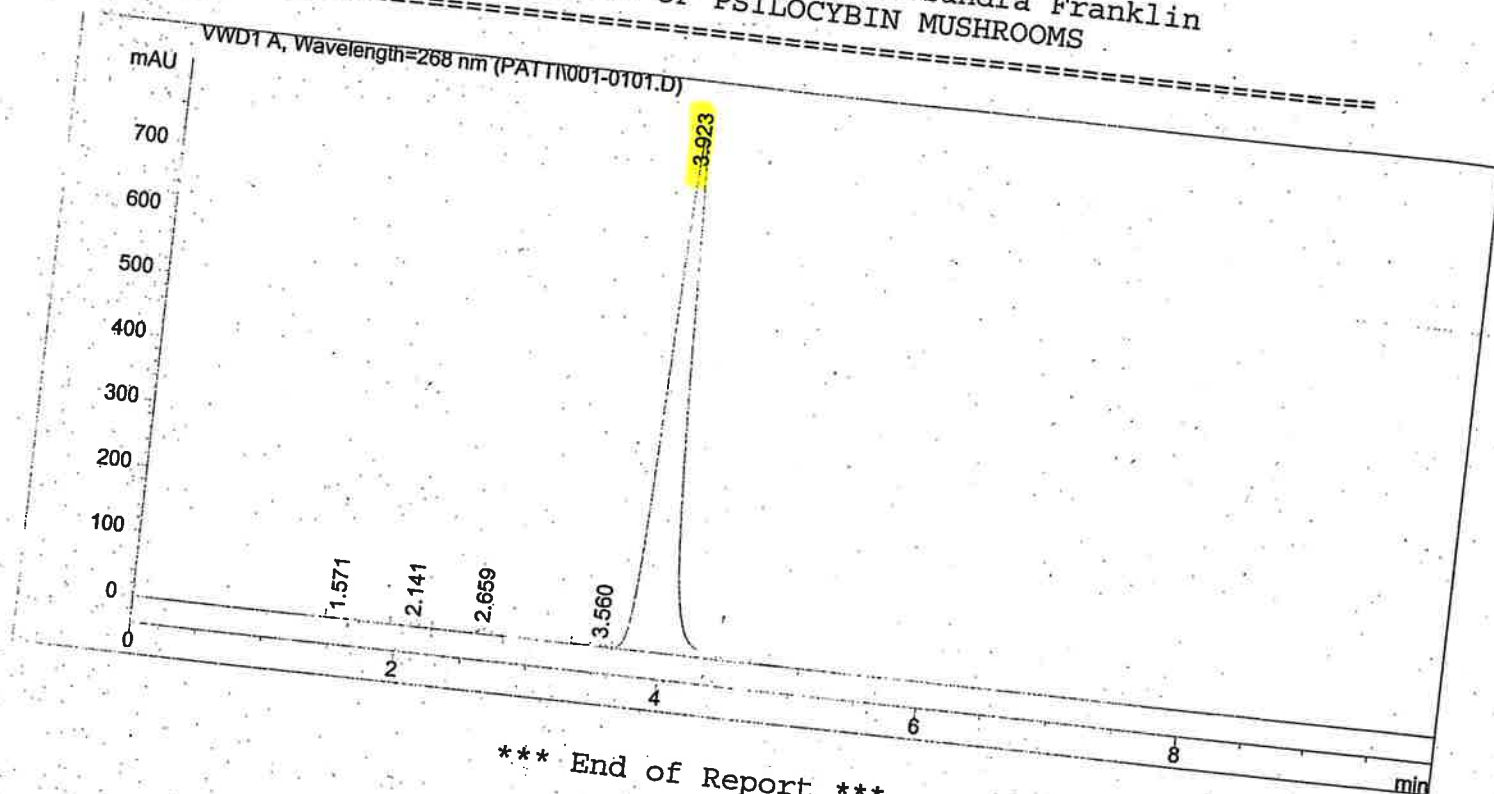
Data File C:\HPCHEM\1\DATA\PATTI\001-0101.D

Injection Date : 11/9/10 9:37:35 AM
Sample Name : PSILOCYN STD
Acq. Operator : JLS

Sample Name: PSILOCYN STD

Seq. Line : 1
Vial : 1
Inj : 1
Inj Volume : 10 μ l

Sequence File : C:\HPCHEM\1\SEQUENCE\JLS.S
Method : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed : 4/14/08 12:34:47 PM by Cassandra Franklin
THIS IS A METHOD FOR ANALYSIS OF PSILOCYBIN MUSHROOMS



*** End of Report ***

File : C:\msdchem\1\DATA\SHALANDUS\5957-03A.D
Operator : SHALANDUS
Acquired : 10 Nov 2010 9:51
Instrument : 5973N
Sample Name: 5957-03A IN MECH
Misc Info : COMPARED TO KNOWN STANDARD IN MSBOOK1
al Number: 19

TBI CRIME LAB

PAGE 02/02

TIC: 5957-03A.D\data.ms

PSILOCYN/PSILOCYBN

