

14.9

TENNESSEE BUREAU OF INVESTIGATION FORENSIC SERVICES DIVISION

Validation Review Form

Procedure Performance check on 1100 HPLC

Check the appropriate: New Validation ☐ Modification ☐ Performance Check ☒

This form is to be used as a coversheet for any new method, change in method, reagent or kit change. The Forensic Scientist appointed for procedure development/validation is to initial and date the appropriate box and attach documentation of required validation study results. Each applicable area listed below should be clearly labeled in the Validation Notebook (NO POST-IT NOTES).

Submit all information to the Quality Assurance Manager prior to implementation of the procedure/instrument.

NOTE: Each applicable area listed below should start with a typed summary about that particular section.	REVIEWED BY:	DATE COMPLETED:
Overall Validation Summary and Section Summaries are included	JBE	9-28-11
Parallel Testing Procedure	JBE	9-28-11
Accuracy	JBE	9-28-11
Limit of Detection (LOD) (if applicable)	N/A	
Limit of Quantitation (LOQ) (if applicable)	N/A	
Linearity & Range Established (if applicable)	N/A	
Specificity Range Established (if applicable)	N/A	
Precision		
Robustness - to include: Matrix	N/A	
Effects Cross Reactivity		
PH, Ionic Strength, Temperature		
Laboratory Procedure Approved (if applicable)	N/A	
LIMS Messages(s) and sample of Final Report Established (if applicable)	N/A	
Training and Competency Testing for each Examiner/Technician Completed or Proposed Training Plan Enclosed	N/A	
References are listed	N/A	
Technical Review of Completed Notebook	JBE	9-28-11

*If all technical staff training has not been completed, please include a proposed training plan and completion schedule.
Sign and date to indicate your acceptance of the procedure/instrument:

Unit Supervisor (if applicable) Glenn B. Everett 9-28-11

Technical Leader (if applicable) Glenn B. Everett 9-28-11

Regional Laboratory Supervisor W. J. Zett 10-7-11

Quality Assurance Manager Margaret Bash 10-3-11

THIS IS AN UNCONTROLLED COPY OF A CONTROLLED DOCUMENT

PERFORMANCE CHECK FOR LC SERIES 1100

This is a performance check to establish reproducibility in analyzing psilocybin/psilocyn mushrooms utilizing the 1100 series LC. This procedure will allow chemists to identify psilocybin and/or psilocyn in mushroom samples using retention time matches. The purpose of this check is to insure that the 1100 series LC gives comparable results like the HLPC 1050 that has been used in the drug section since 1992.

Overall Objective

The overall objective of this study is to determine what (if any) changes need to be made in the TBI analysis from the HPLC series 1050 to make it functional with our 1100 series Agilent LC.

This study utilized a different column than the column currently in use on the HPLC series 1050.

The column used on the 1100 series LC is a Phenomenex Prodigy5 μ C-18 ODS (2) column (150 x 4.60 mm). It gives superior peak shape and separation for psilocybin/psilocyn determinations.

Samples to Be Used in this Study

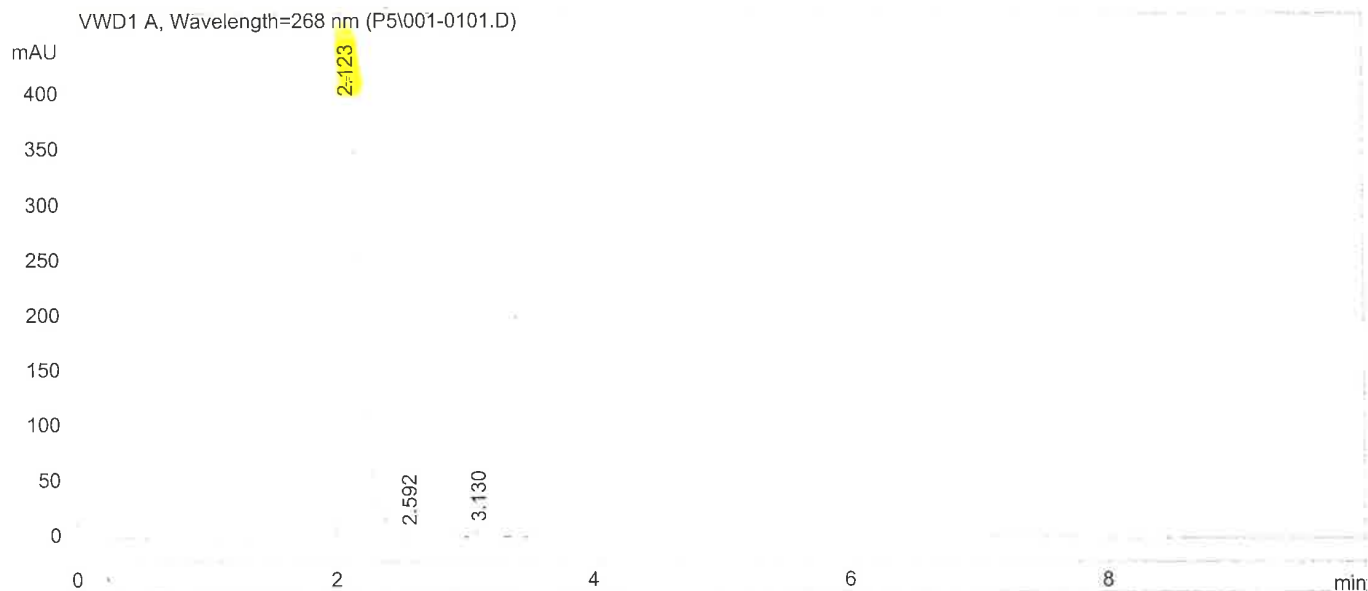
The samples used for this study will include known standards, unknowns prepared from known standards and case samples from unknown mushroom samples analyzed by GC/MS and HPLC to compare the results from the HPLC to the 1100 series LC to see if they give consistent results.

Standards performed well and demonstrated repeatability as did unknown mushroom case samples that were run on GC/MS and the HPLC series 1050. These samples were first analyzed by GC/MS to identify psilocyn and then analyzed on the HPLC to determine which compounds (psilocyn and/or psilocybin) were present. Examples of these results are included within this notebook.

When it was determined that unknown case samples gave consistent results –a set of unknowns (traceable standards) was provided to test the accuracy and repeatability of the method. The set of unknowns was identified with 100% accuracy.

```
=====
Injection Date   : 8/17/11 12:54:31 PM          Seq. Line :    1
Sample Name      : PSILOCYBIN STD                Vial       :    1
Acq. Operator    : PATTI CHOATIE                 Inj        :    1
                                           Inj Volume : 10 µl

Acq. Method      : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 8/17/11 12:53:38 PM by PATTI CHOATIE
Analysis Method  : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 9/15/11 12:35:35 PM by PATTI CHOATIE
                  (modified after loading)
THIS IS A METHOD FOR ANALYSIS OF PSILOCYBIN MUSHROOMS
=====
```

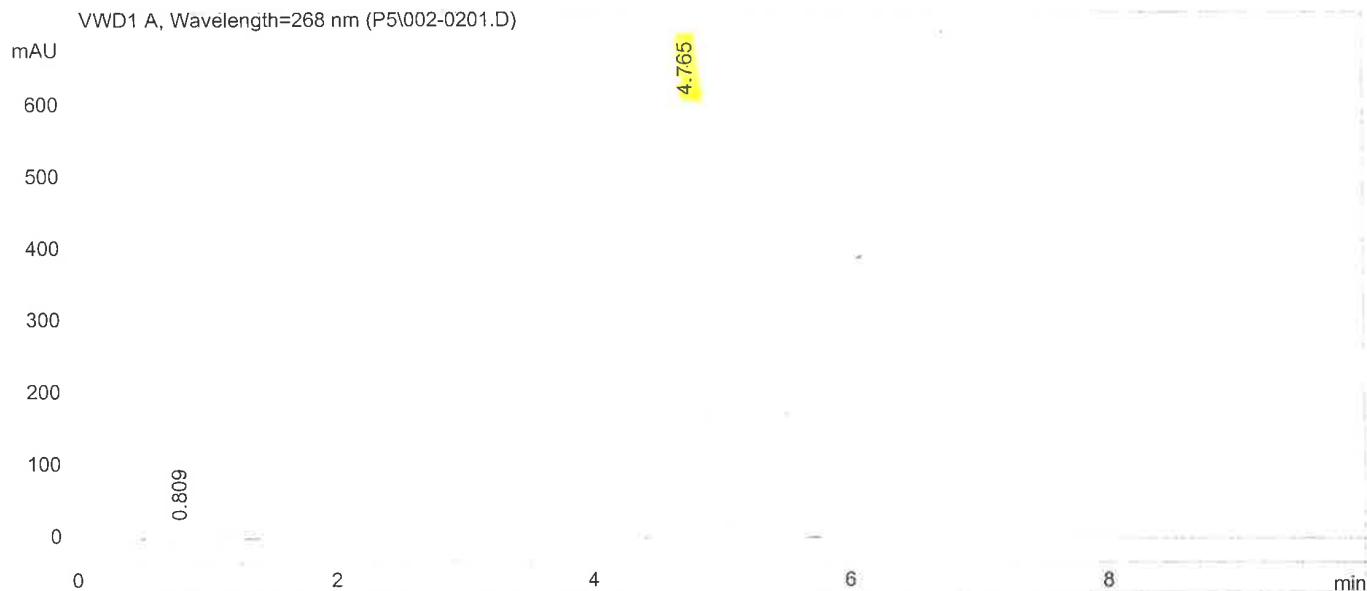


*** End of Report ***

```
=====
Injection Date   : 8/17/11 1:05:07 PM          Seq. Line :    2
Sample Name      : PSILOCYN STD                Vial       :    2
Acq. Operator    : PATTI CHOATIE               Inj        :    1
                                           Inj Volume : 10 µl
=====
```

```
Acq. Method      : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 8/17/11 12:53:38 PM by PATTI CHOATIE
Analysis Method  : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 9/15/11 12:35:35 PM by PATTI CHOATIE
                  (modified after loading)
```

THIS IS A METHOD FOR ANALYSIS OF PSILOCYBIN MUSHROOMS

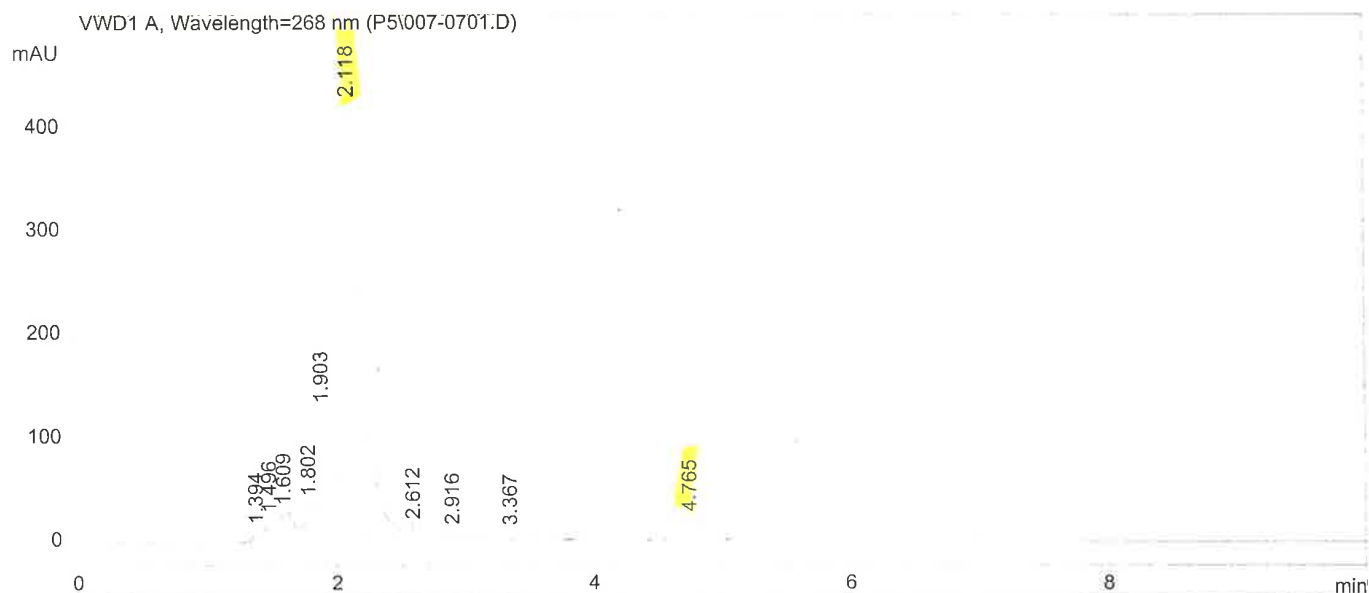


*** End of Report ***

```
=====
Injection Date   : 8/17/11 1:58:06 PM          Seq. Line :    7
Sample Name      : 111011126-1A                Vial       :    7
Acq. Operator    : PATTI CHOATIE                Inj        :    1
                                           Inj Volume : 10 µl
=====
```

```
Acq. Method      : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 8/17/11 12:53:38 PM by PATTI CHOATIE
Analysis Method  : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 9/15/11 12:35:35 PM by PATTI CHOATIE
                  (modified after loading)
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THIS IS A METHOD FOR ANALYSIS OF PSILOCYBIN MUSHROOMS

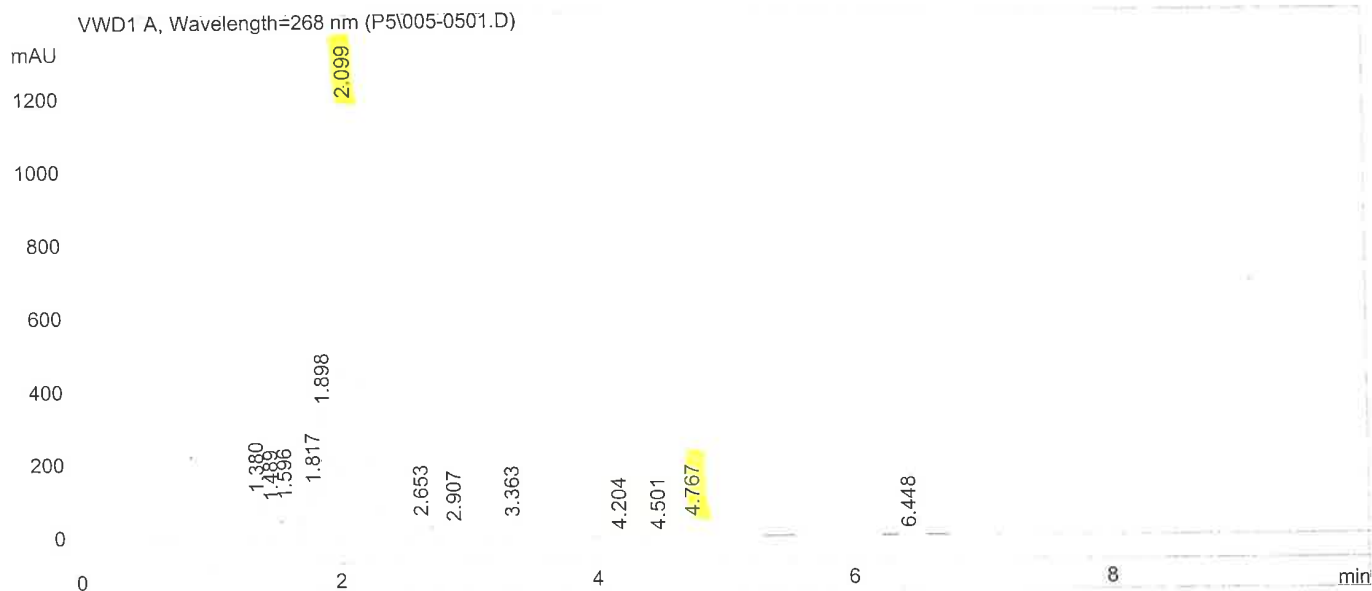


*** End of Report ***

```
=====
Injection Date   : 8/17/11 1:36:54 PM      Seq. Line :    5
Sample Name      : 111010366-1A           Vial       :    5
Acq. Operator    : PATTI CHOATIE           Inj        :    1
                                           Inj Volume : 10 µl
=====
```

```
Acq. Method      : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 8/17/11 12:53:38 PM by PATTI CHOATIE
Analysis Method  : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 9/15/11 12:35:35 PM by PATTI CHOATIE
                  (modified after loading)
```

THIS IS A METHOD FOR ANALYSIS OF PSILOCYBIN MUSHROOMS



*** End of Report ***

```
=====
Injection Date   : 8/17/11 1:26:18 PM          Seq. Line   :    4
Sample Name      : 111010686-02A              Vial         :    4
Acq. Operator    : PATTI CHOATIE               Inj          :    1
                                           Inj Volume   : 10 µl

Acq. Method      : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 8/17/11 12:53:38 PM by PATTI CHOATIE
Analysis Method  : C:\HPCHEM\1\METHODS\PSILOCYN.M
Last changed     : 9/15/11 12:35:35 PM by PATTI CHOATIE
                  (modified after loading)
THIS IS A METHOD FOR ANALYSIS OF PSILOCYBIN MUSHROOMS
=====
```

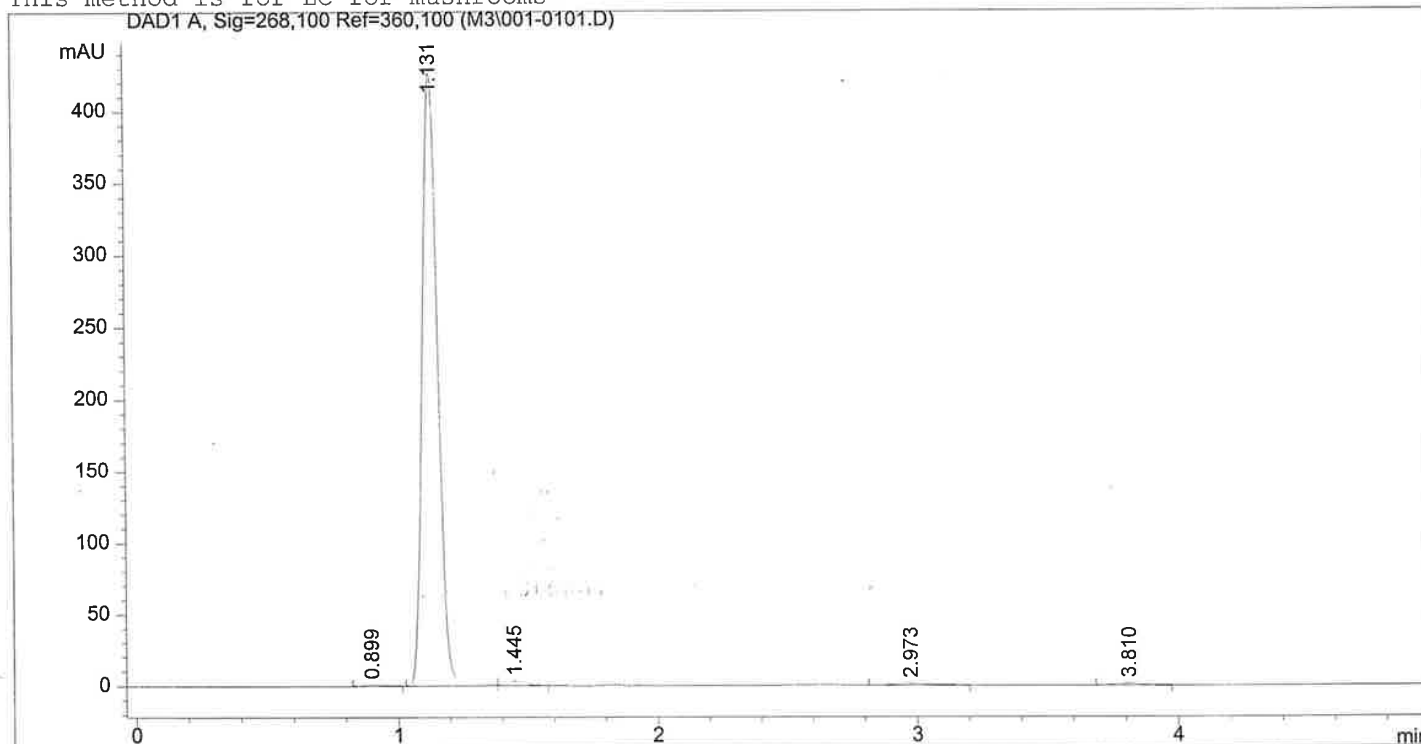


*** End of Report ***

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Injection Date	: 8/24/11 1:33:32 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.899	BB	0.0693	6.10030	1.28647	0.3385
2	1.131	BV	0.0658	1755.93799	428.26096	97.4495
3	1.445	VB	0.0704	15.40674	3.30406	0.8550
4	2.973	VB	0.1325	14.43092	1.55125	0.8009
5	3.810	BB	0.0982	10.01883	1.57477	0.5560

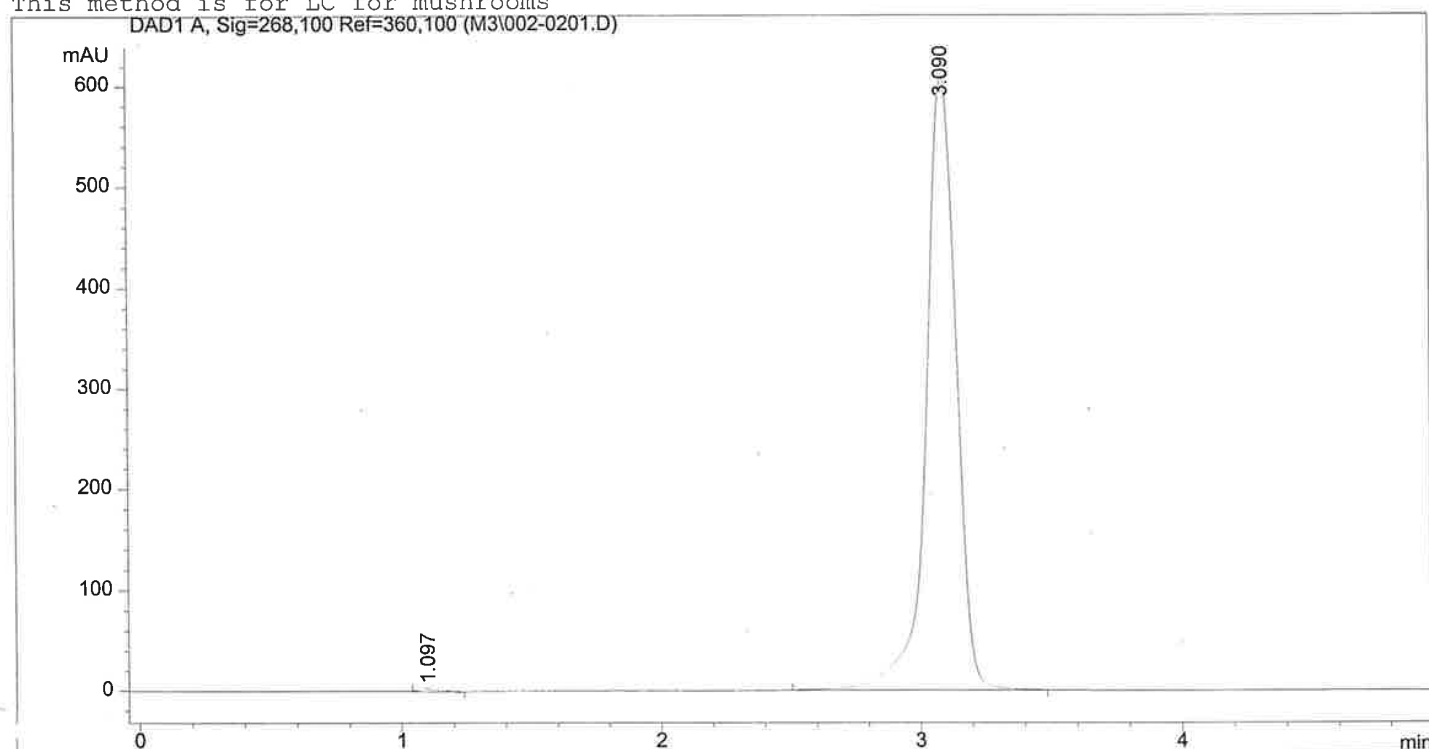
Totals : 1801.89478 435.97750

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*** End of Report ***

=====

Injection Date	: 8/24/11 1:39:42 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms



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Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

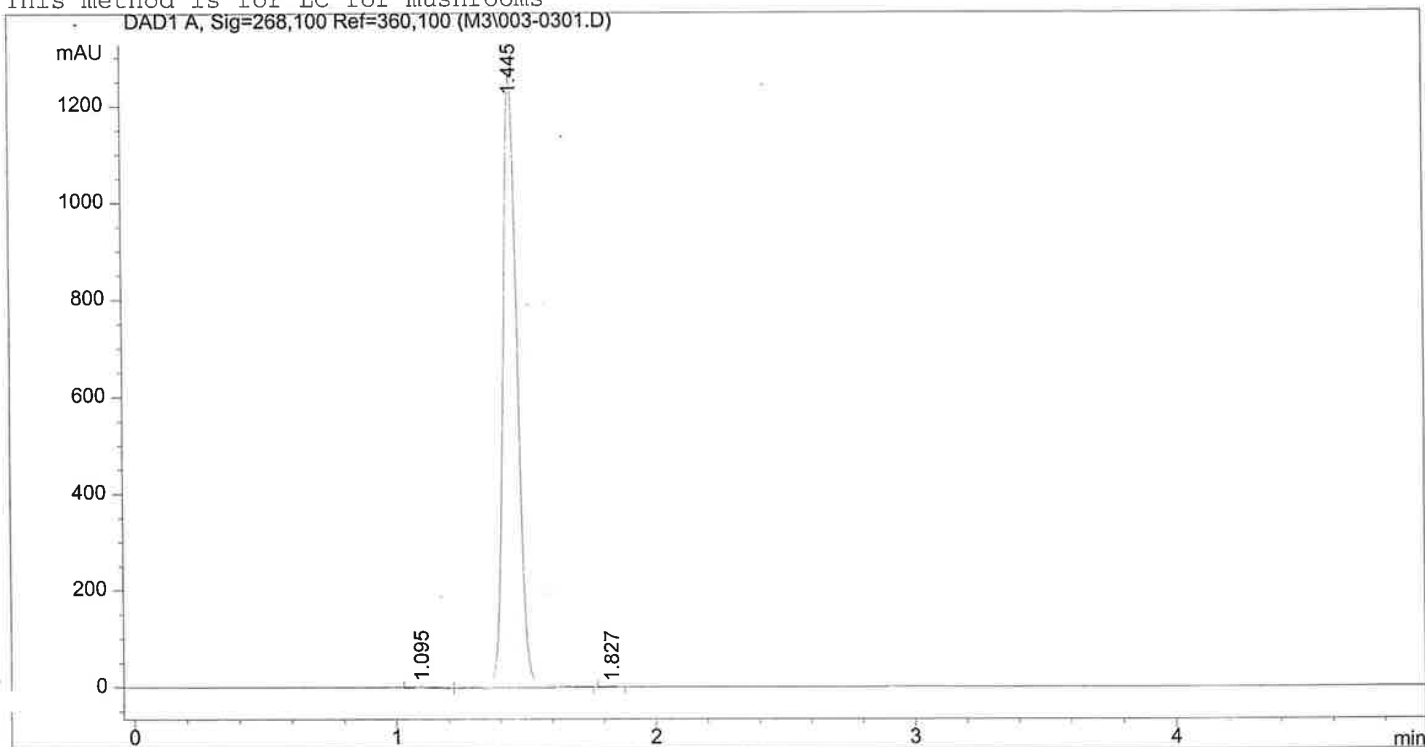
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.097	BP	0.0728	16.26689	3.12116	0.3305
2	3.090	BB	0.1260	4905.65479	608.87494	99.6695

Totals : 4921.92168 611.99610

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*** End of Report ***

```
=====
Injection Date   : 8/24/11 1:45:53 PM      Seq. Line :    3
Sample Name      : Caffeine Std.           Location  : Vial 3
Acq. Operator    : PATTI CHOATIE           Inj       :    1
                                           Inj Volume: 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M3\003-0301.D)
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                          Area Percent Report
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Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
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Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.095	BP	0.0805	18.23092	3.19762	0.3758
2	1.445	VB	0.0584	4825.95654	1267.02734	99.4922
3	1.827	BV	0.0728	6.39915	1.27016	0.1319

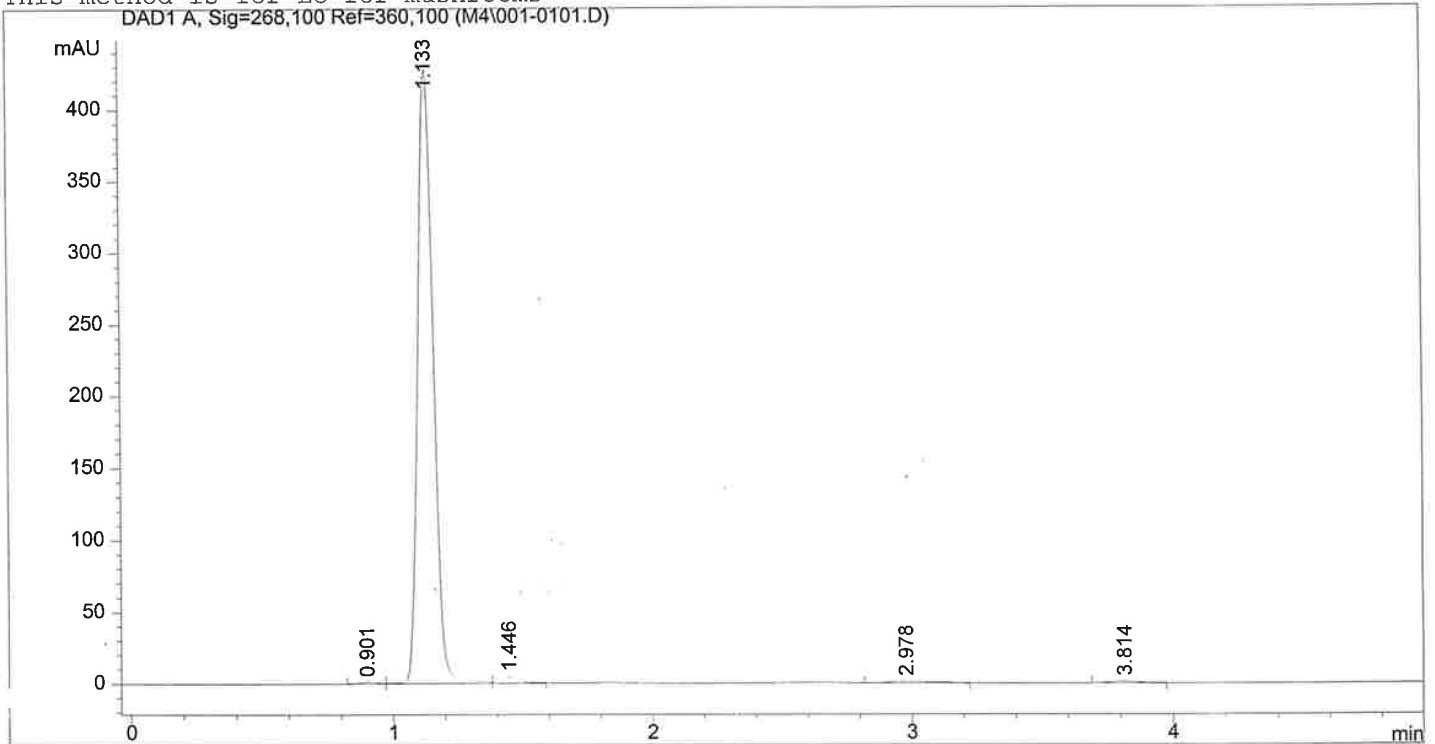
Totals : 4850.58661 1271.49513

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*** End of Report ***
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Injection Date	: 8/24/11 1:53:50 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	BV	0.0670	5.83396	1.33539	0.3184
2	1.133	VV	0.0643	1778.68628	429.20755	97.0828
3	1.446	VB	0.0680	21.94407	4.74361	1.1977
4	2.978	VB	0.1382	15.43929	1.55057	0.8427
5	3.814	BB	0.0972	10.23055	1.58688	0.5584

Totals : 1832.13414 438.42400

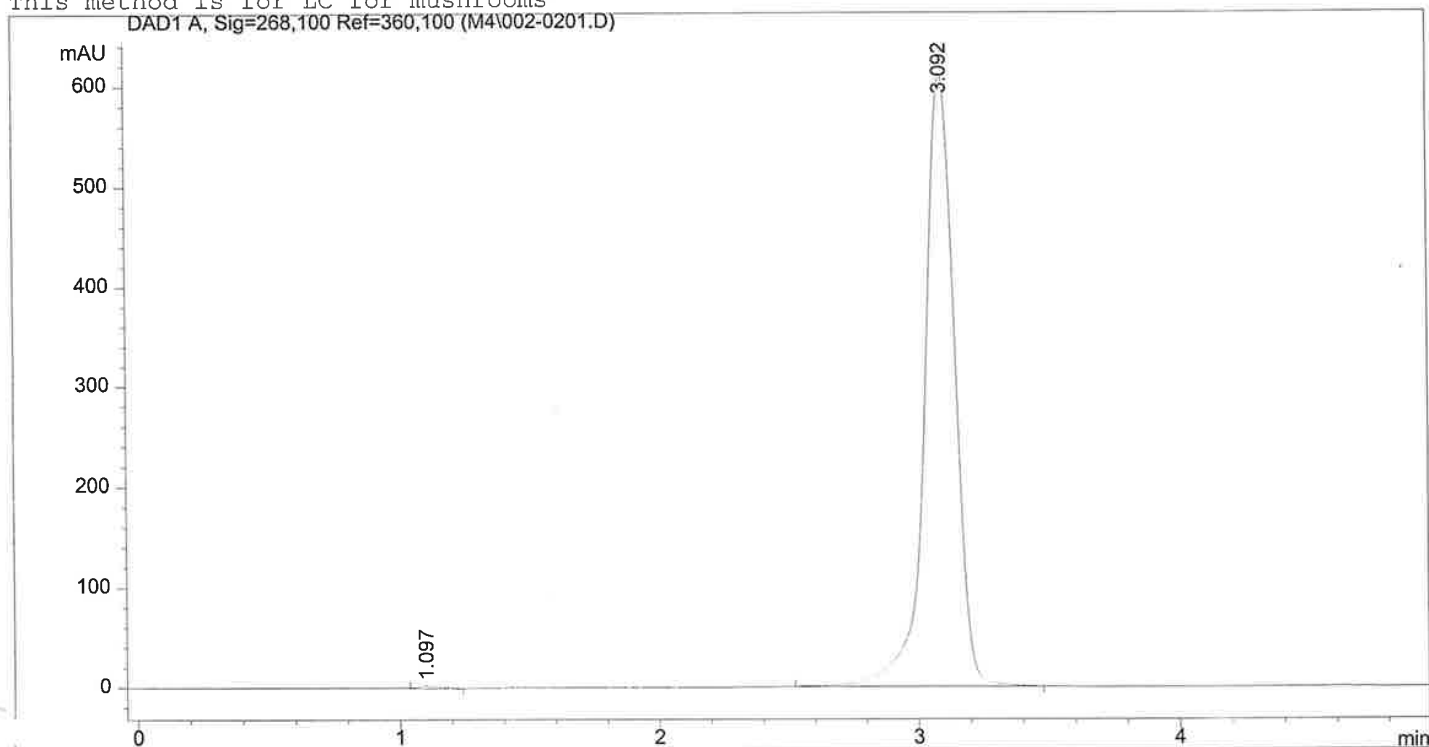
=====
*** End of Report ***

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Injection Date	: 8/24/11 1:59:59 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M4\002-0201.D)



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.097	BP	0.0729	16.13460	3.09213	0.3276
2	3.092	BB	0.1256	4909.70557	611.65442	99.6724

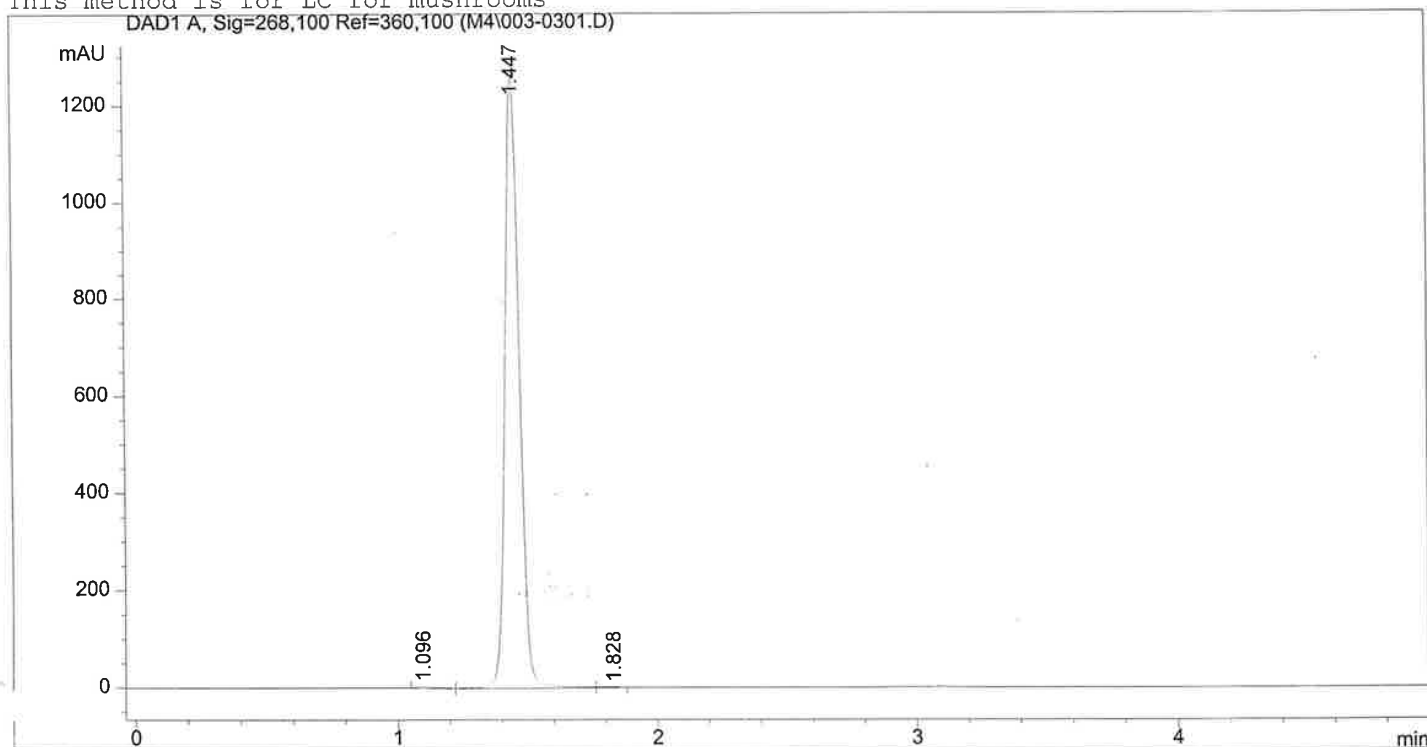
Totals : 4925.84017 614.74654

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*** End of Report ***

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Injection Date	: 8/24/11 2:06:09 PM	Seq. Line	: 3
Sample Name	: Caffeine Std.	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.096	BP	0.0760	17.88365	3.26064	0.3677
2	1.447	VB	0.0605	4838.43555	1267.72827	99.4786
3	1.828	BV	0.0797	7.47845	1.28837	0.1538

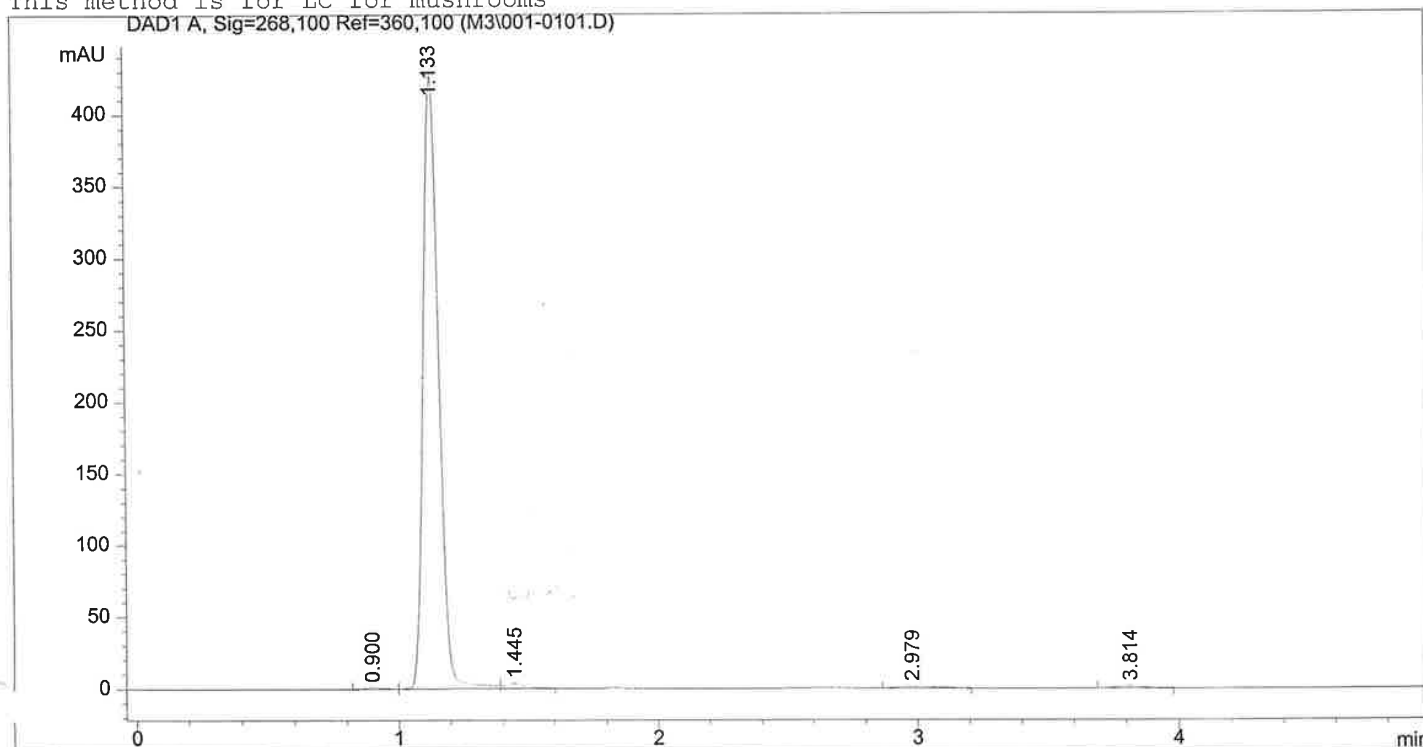
Totals : 4863.79765 1272.27728

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*** End of Report ***

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Injection Date	: 8/24/11 2:13:56 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.900	BV	0.0677	5.46298	1.23367	0.3006
2	1.133	VV	0.0643	1768.11316	427.27124	97.2852
3	1.445	VB	0.0772	20.17104	3.72081	1.1099
4	2.979	BB	0.1285	13.40064	1.49548	0.7373
5	3.814	BB	0.0973	10.30594	1.59629	0.5671

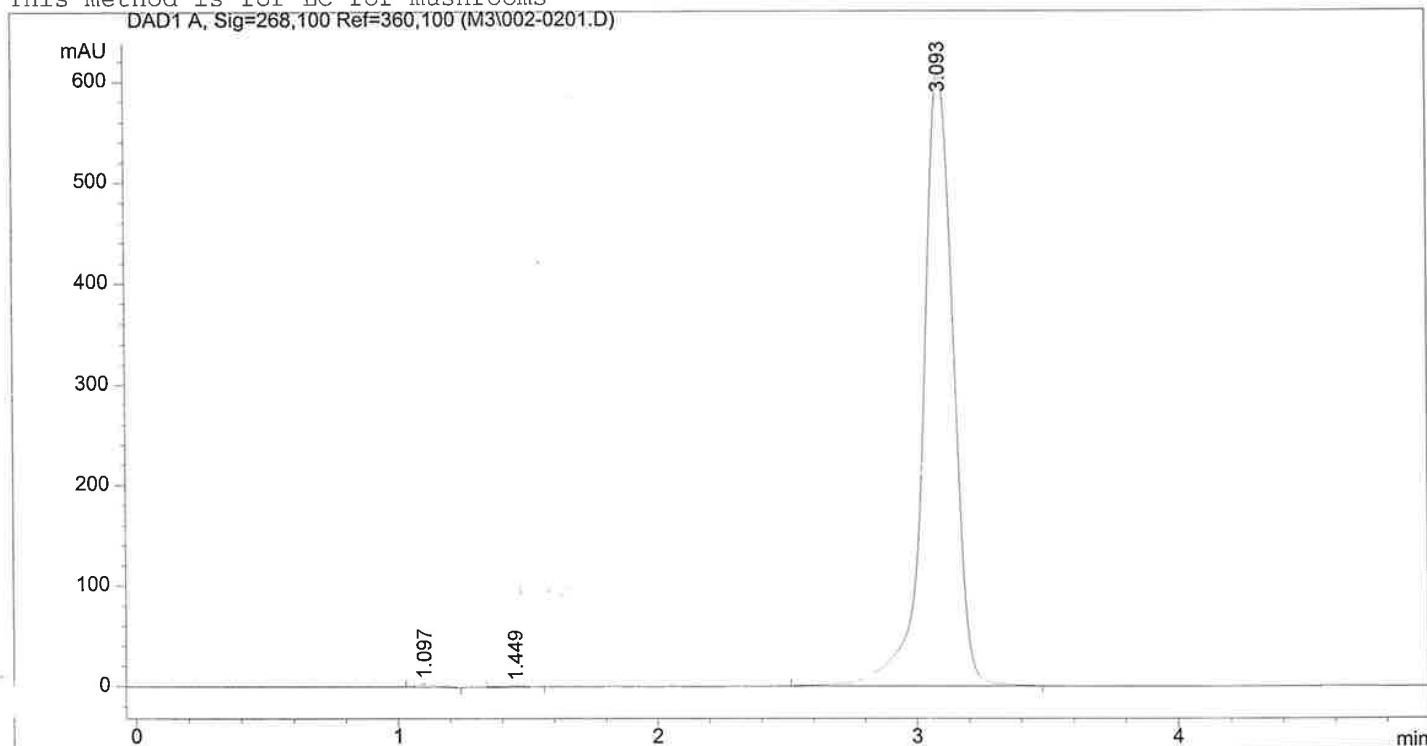
Totals : 1817.45376 435.31748

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*** End of Report ***

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Injection Date	: 8/24/11 2:20:05 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms



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

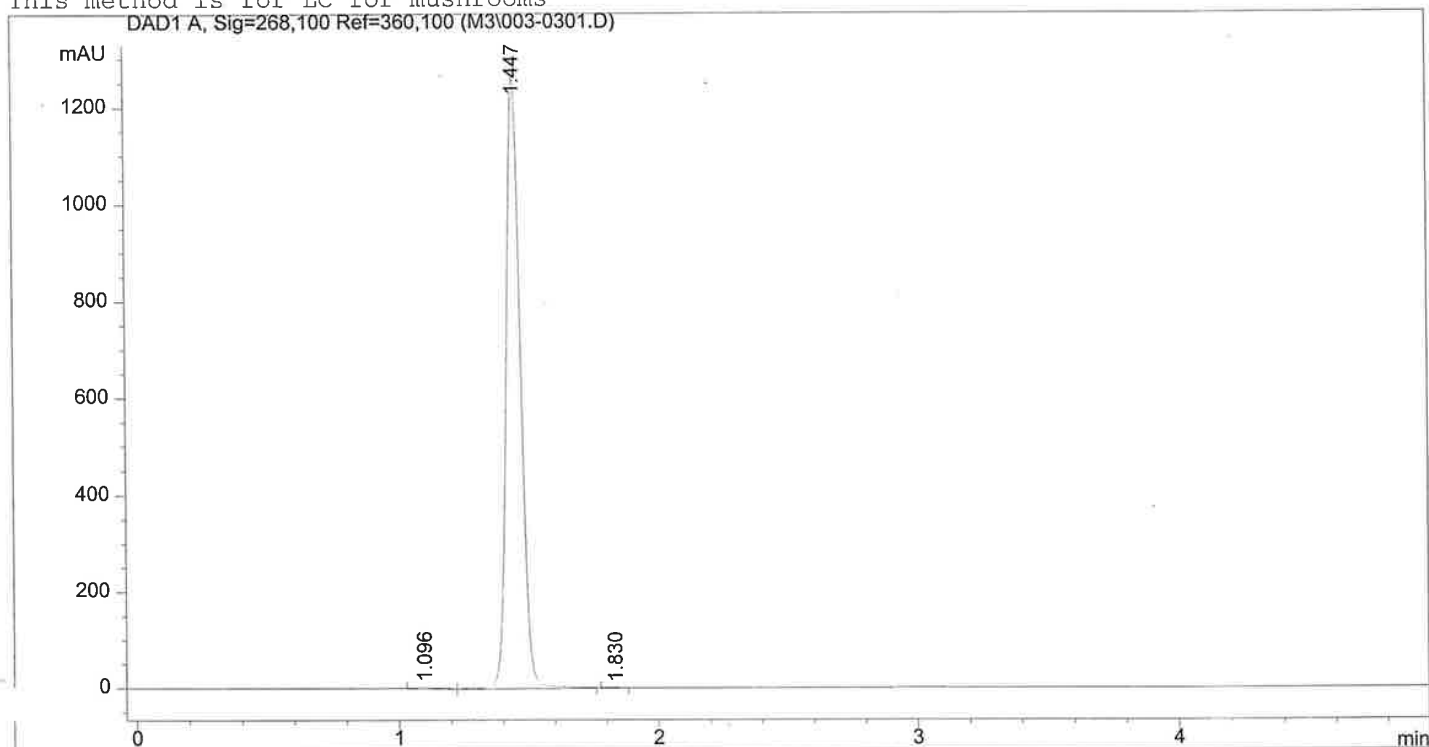
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.097	BP	0.0739	16.34217	3.07998	0.3317
2	1.449	VB	0.0903	7.69711	1.17737	0.1562
3	3.093	BB	0.1260	4902.22559	608.53241	99.5120

Totals : 4926.26487 612.78975

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*** End of Report ***

```
=====
Injection Date   : 8/24/11 2:26:15 PM      Seq. Line   :    3
Sample Name     : Caffeine Std.           Location    : Vial 3
Acq. Operator   : PATTI CHOATIE           Inj         :    1
                                           Inj Volume  : 5 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method          : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed    : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is  : for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M3\003-0301.D)
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                          Area Percent Report
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```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
```

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.096	BP	0.0785	18.30542	3.21338	0.3758
2	1.447	VB	0.0586	4845.66162	1268.92114	99.4913
3	1.830	BV	0.0709	6.47067	1.28253	0.1329

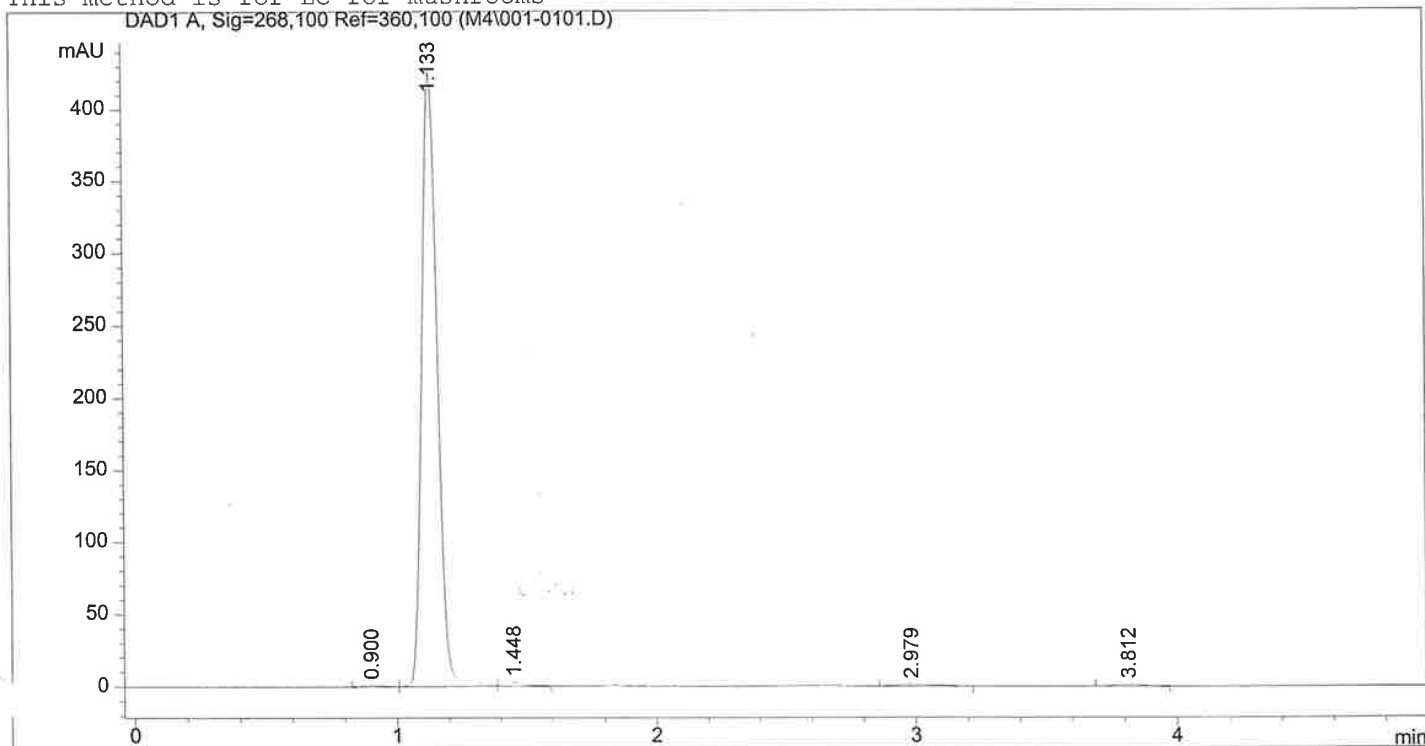
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Totals :                      4870.43771 1273.41705
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*** End of Report ***
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Injection Date	: 8/24/11 2:41:04 PM	Seq. Line	: 1
Sample Name	: Psilocybin Std.	Location	: Vial 1
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.900	BV	0.0653	5.32274	1.20985	0.2959
2	1.133	VV	0.0661	1755.14331	425.90982	97.5636
3	1.448	VB	0.0708	14.31674	2.93901	0.7958
4	2.979	BB	0.1348	14.20127	1.49517	0.7894
5	3.812	BB	0.0961	9.98987	1.57352	0.5553

Totals : 1798.97392 433.12736

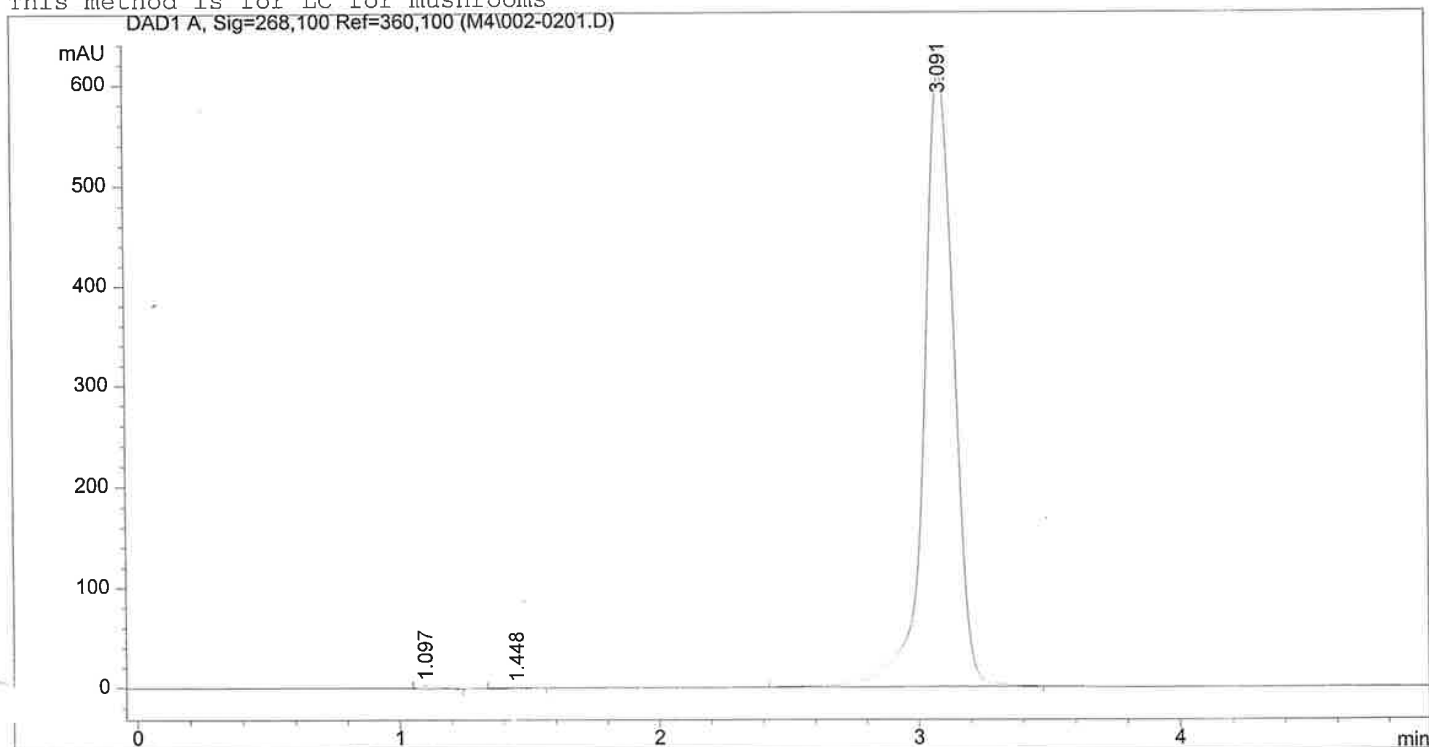
=====
*** End of Report ***

=====

Injection Date	: 8/24/11 2:47:14 PM	Seq. Line	: 2
Sample Name	: Psilocyn Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M4\002-0201.D)



=====

Area Percent Report

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Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.097	BP	0.0715	15.60080	3.05863	0.3167
2	1.448	VB	0.0884	8.16344	1.31498	0.1657
3	3.091	BB	0.1257	4901.81152	610.01233	99.5175

Totals : 4925.57576 614.38594

=====

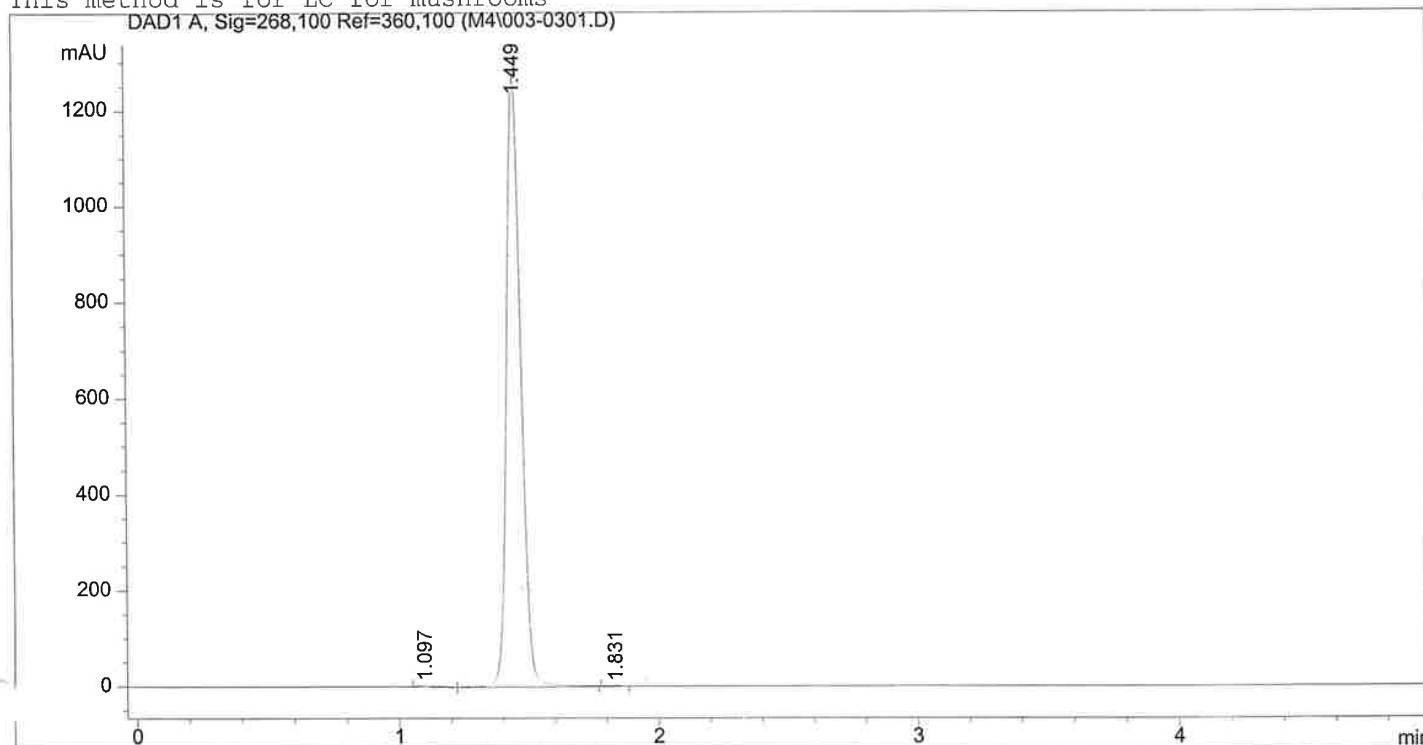
*** End of Report ***

Caffeine.std.
Pmc

=====

Injection Date	: 8/24/11 2:53:24 PM	Seq. Line	: 3
Sample Name	: 111011136-01a Caffeine std	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.097	BP	0.0756	17.83212	3.27227	0.3627
2	1.449	VB	0.0587	4892.01904	1276.79431	99.5026
3	1.831	BV	0.0734	6.62147	1.30057	0.1347

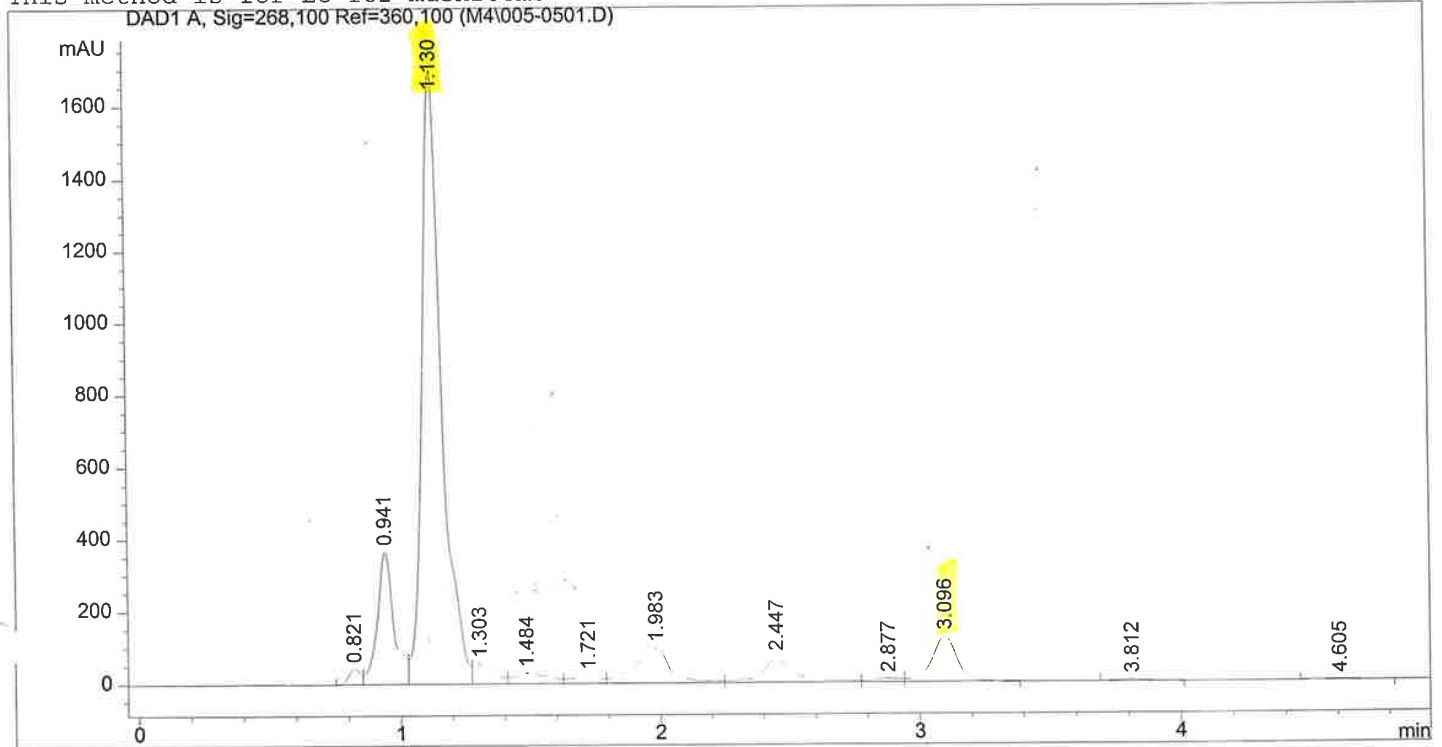
Totals : 4916.47263 1281.36715

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

Injection Date : 8/24/11 3:05:43 PM Seq. Line : 5
Sample Name ~~111011132 DF~~ 11101126-1A Location : Vial 5
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 5 µl

Acq. Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
Analysis Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 9/20/11 2:45:24 PM by PATTI CHOATIE
(modified after loading)

This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

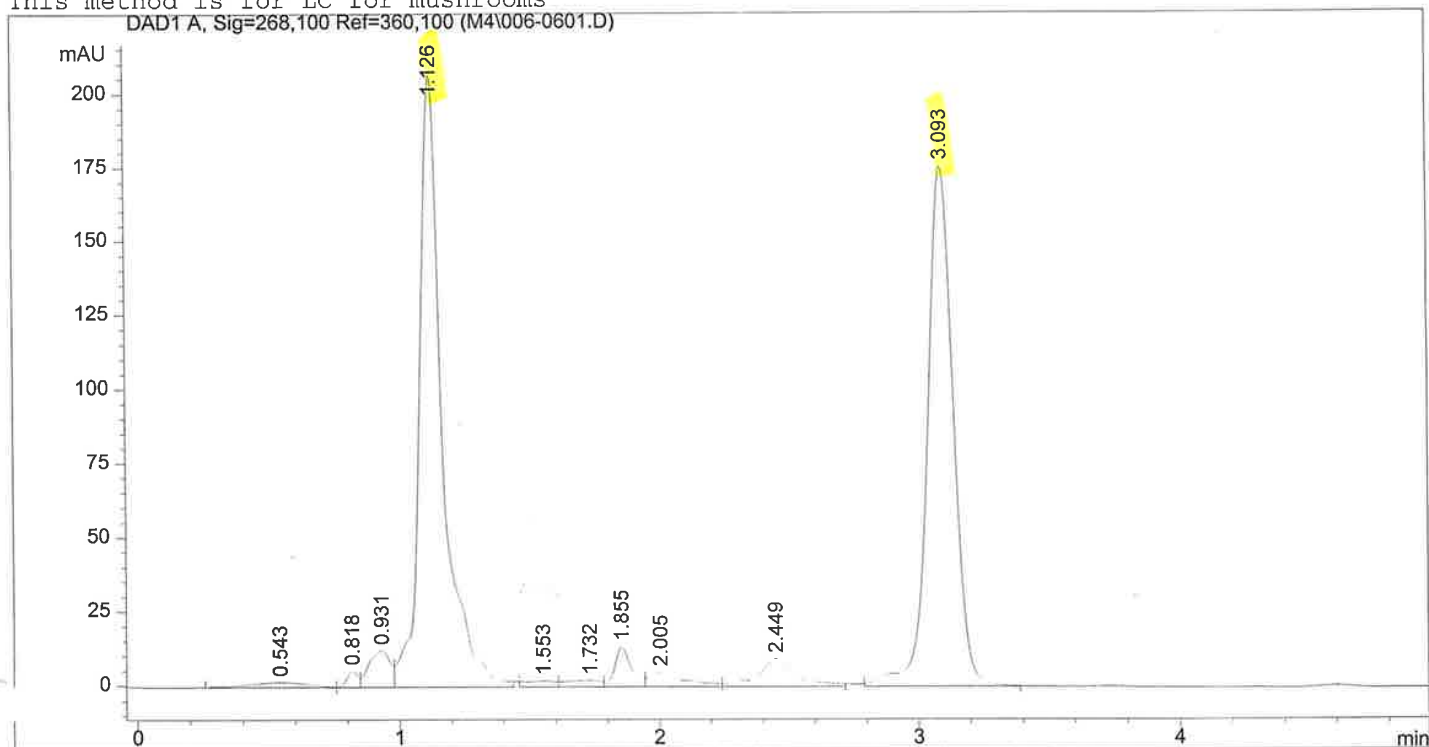
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.821	PV	0.0489	140.51031	44.48217	1.0207
2	0.941	VV	0.0660	1638.07642	367.75061	11.8995
3	1.130	VV	0.0762	8799.01660	1704.58081	63.9185
4	1.303	VV	0.0754	297.10110	56.41791	2.1582
5	1.484	VV	0.1221	275.78220	29.77559	2.0034
6	1.721	VV	0.1011	157.10699	21.54761	1.1413
7	1.983	VV	0.1427	922.12775	97.14918	6.6986
8	2.447	VV	0.1183	581.12256	70.42072	4.2214
9	2.877	VV	0.1091	71.94432	9.86724	0.5226
10	3.096	VP	0.1015	835.20844	125.69972	6.0672
11	3.812	BP	0.0977	30.63668	4.72077	0.2226
12	4.605	BP	0.1288	17.34992	2.09162	0.1260

Totals : 1.37660e4 2534.50397

Injection Date : 8/24/11 3:11:52 PM Seq. Line : 6
Sample Name : 111010686 02a Location : Vial 6
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/24/11 1:32:37 PM by PATTI CHOATIE
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M4\006-0601.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

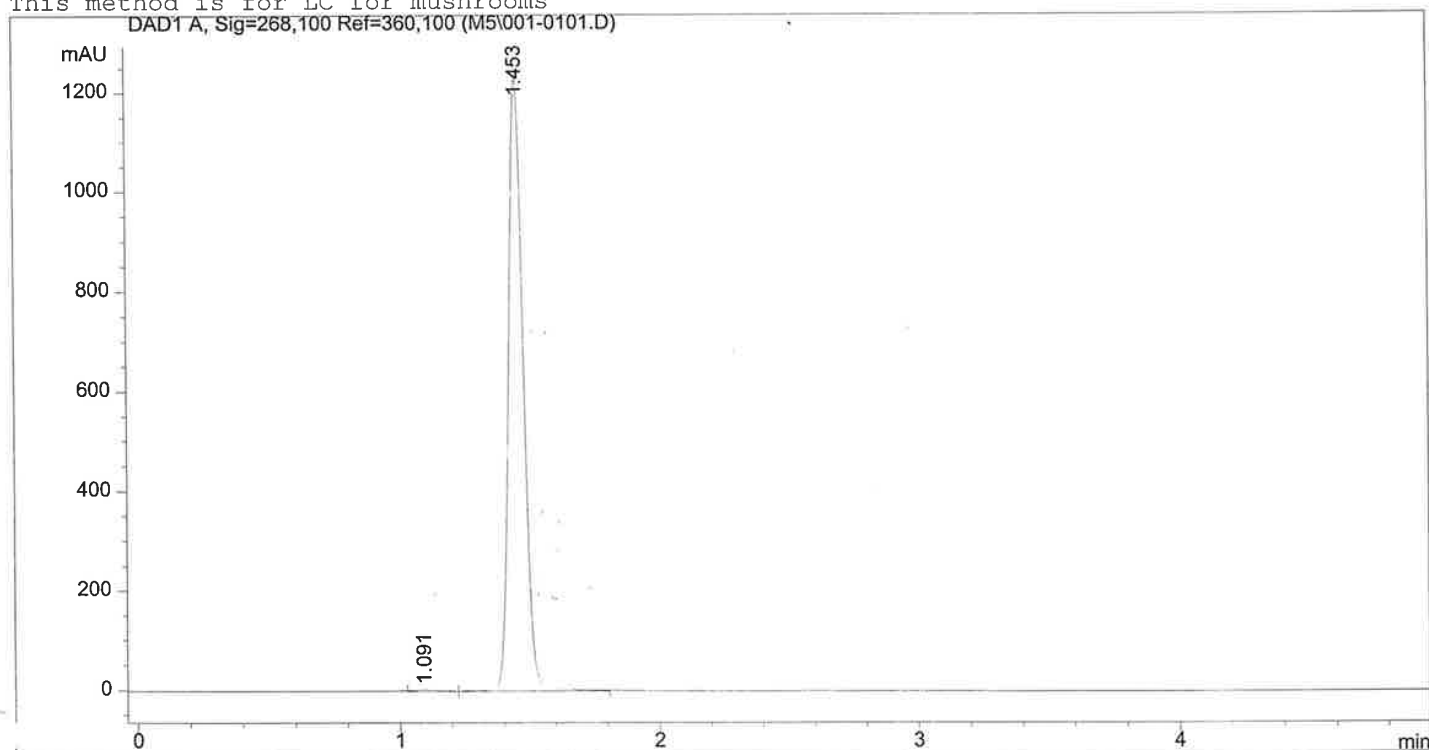
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.543	BV	0.2335	24.93736	1.67667	0.8892
2	0.818	VV	0.0465	16.11878	5.44666	0.5747
3	0.931	VV	0.0773	68.99812	12.31896	2.4602
4	1.126	VB	0.0908	1257.58997	207.22652	44.8413
5	1.553	BV	0.1104	16.39747	2.02635	0.5847
6	1.732	VV	0.1208	20.06096	2.19226	0.7153
7	1.855	VV	0.0647	60.84204	13.47510	2.1694
8	2.005	VV	0.1249	44.87760	4.98987	1.6002
9	2.449	VB	0.1372	90.30412	9.30747	3.2199
10	3.093	BB	0.1040	1204.40625	175.60934	42.9450

Totals : 2804.53267 434.26920

*** End of Report ***

Injection Date : 8/25/11 8:42:16 AM Seq. Line : 1
Sample Name : Caffeine Std. Location : Vial 1
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 5 µl

Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/25/11 8:41:11 AM by PATTI CHOATIE
This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

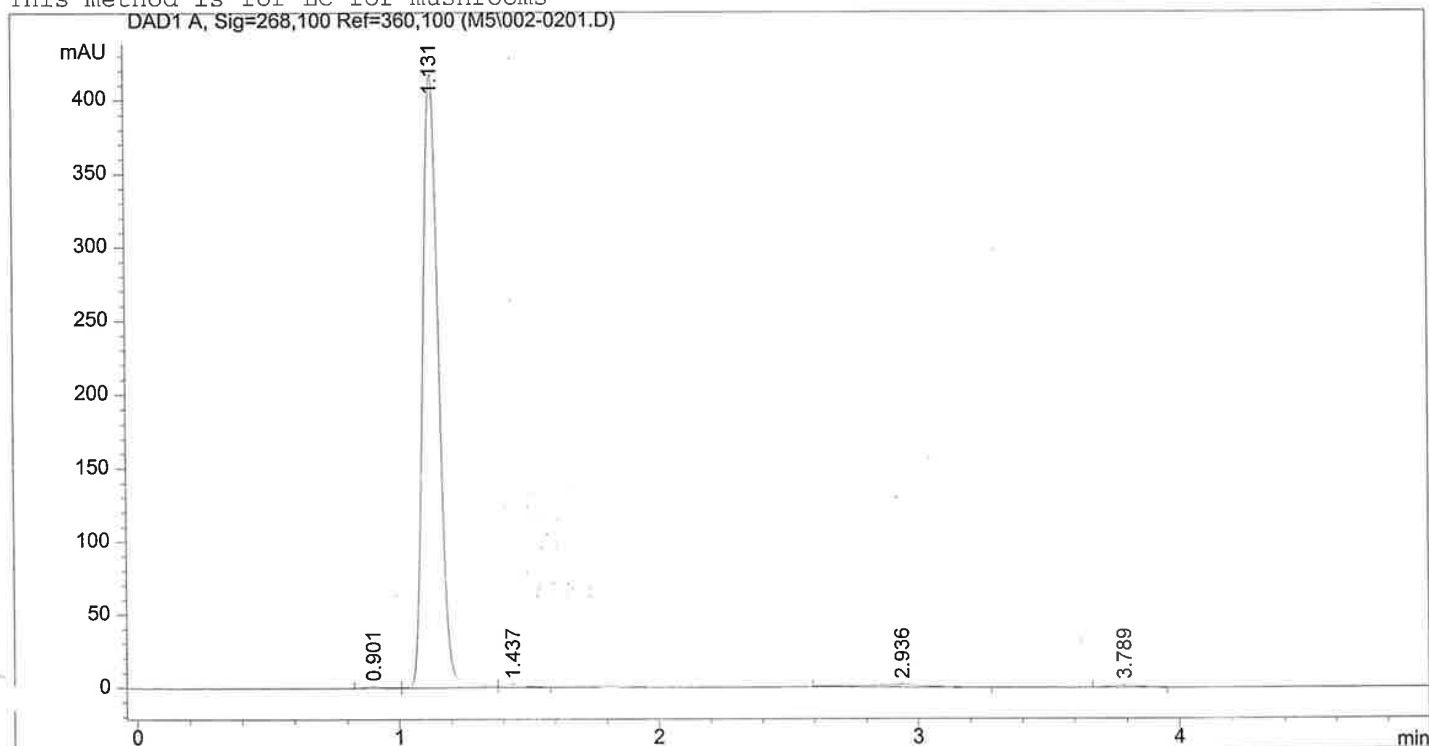
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0781	21.21387	3.74346	0.4344
2	1.453	VB	0.0619	4862.20361	1236.70215	99.5656

Totals : 4883.41748 1240.44561

*** End of Report ***

```
=====
Injection Date   : 8/25/11 8:48:25 AM      Seq. Line   :    2
Sample Name      : Psilocybin Std.         Location    : Vial 2
Acq. Operator    : PATTI CHOATIE           Inj         :    1
                                           Inj Volume  : 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 8/25/11 8:41:11 AM by PATTI CHOATIE
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M5\002-0201.D)
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	BV	0.0657	5.31883	1.19993	0.2928
2	1.131	VV	0.0649	1757.63574	419.70157	96.7492
3	1.437	VB	0.0722	11.98849	2.40326	0.6599
4	2.936	BP	0.1982	31.78140	2.12886	1.7494
5	3.789	BB	0.0983	9.96795	1.56416	0.5487

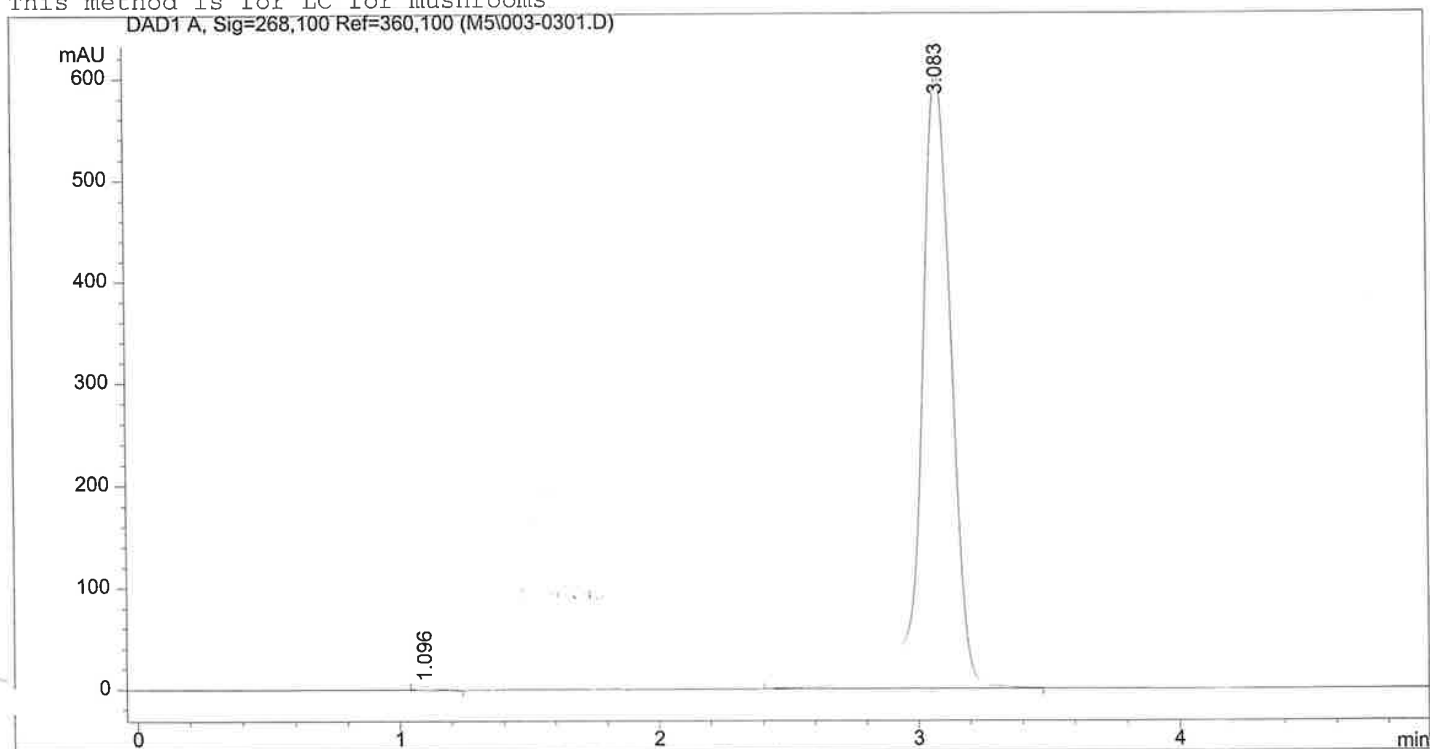
```
Totals :                      1816.69241  426.99779
```

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

=====

Injection Date	: 8/25/11 8:54:35 AM	Seq. Line	: 3
Sample Name	: Psilocyn Std.	Location	: Vial 3
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/25/11 8:41:11 AM by PATTI CHOATIE
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.096	BP	0.0668	16.23522	3.45867	0.3297
2	3.083	BB	0.1270	4908.38818	602.57892	99.6703

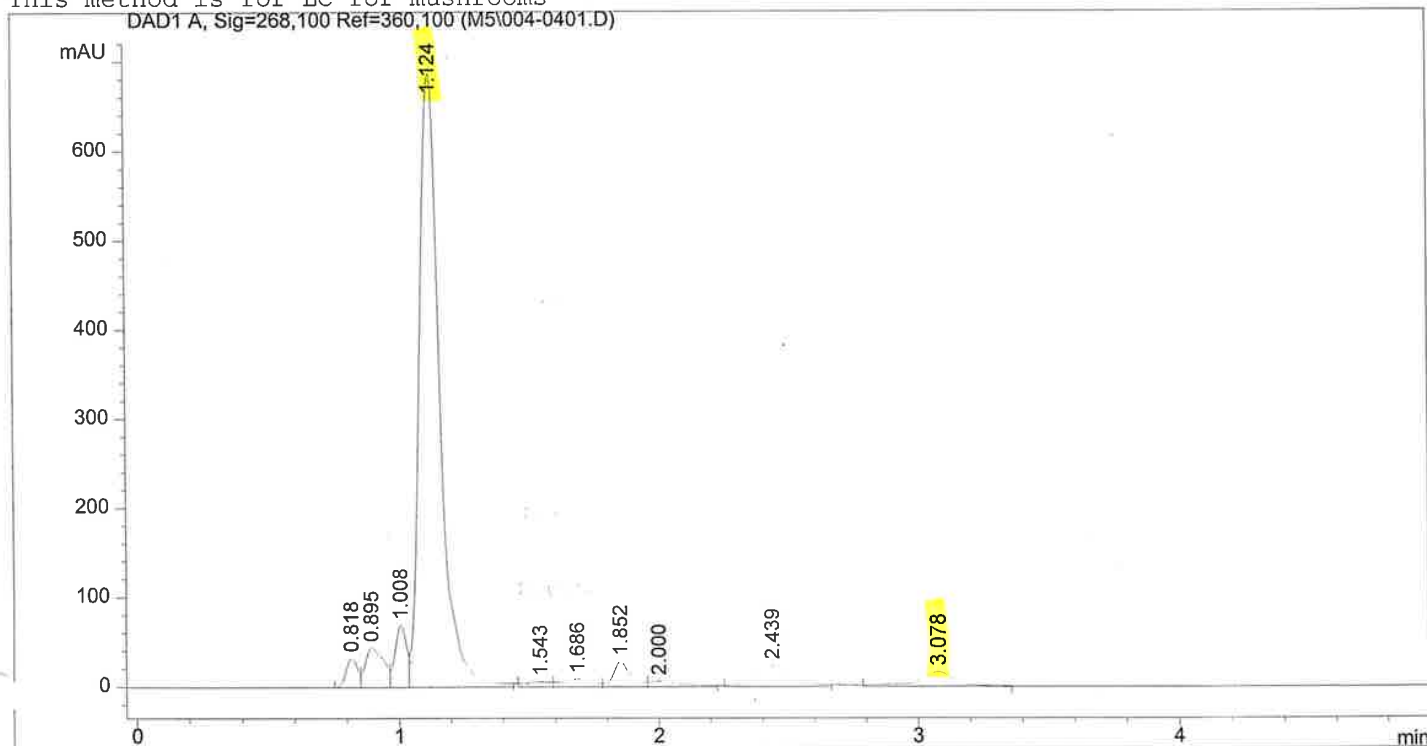
Totals : 4924.62341 606.03759

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

=====

Injection Date	: 8/25/11 9:00:44 AM	Seq. Line	: 4
Sample Name	: 111010366-01a	Location	: Vial 4
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/25/11 8:41:11 AM by PATTI CHOATIE
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.818	BV	0.0471	98.73411	32.82540	2.0183
2	0.895	VV	0.0686	214.57845	44.26741	4.3863
3	1.008	VV	0.0454	210.07088	69.31015	4.2941
4	1.124	VB	0.0849	3709.54419	688.12109	75.8278
5	1.543	BV	0.0942	39.94344	5.80709	0.8165
6	1.686	VV	0.1124	73.67736	9.10861	1.5061
7	1.852	VV	0.0679	135.27129	28.25190	2.7651
8	2.000	VB	0.1175	54.98307	6.44522	1.1239
9	2.439	BB	0.1284	198.82149	23.57392	4.0642
10	3.078	BB	0.1353	156.43854	16.70309	3.1978

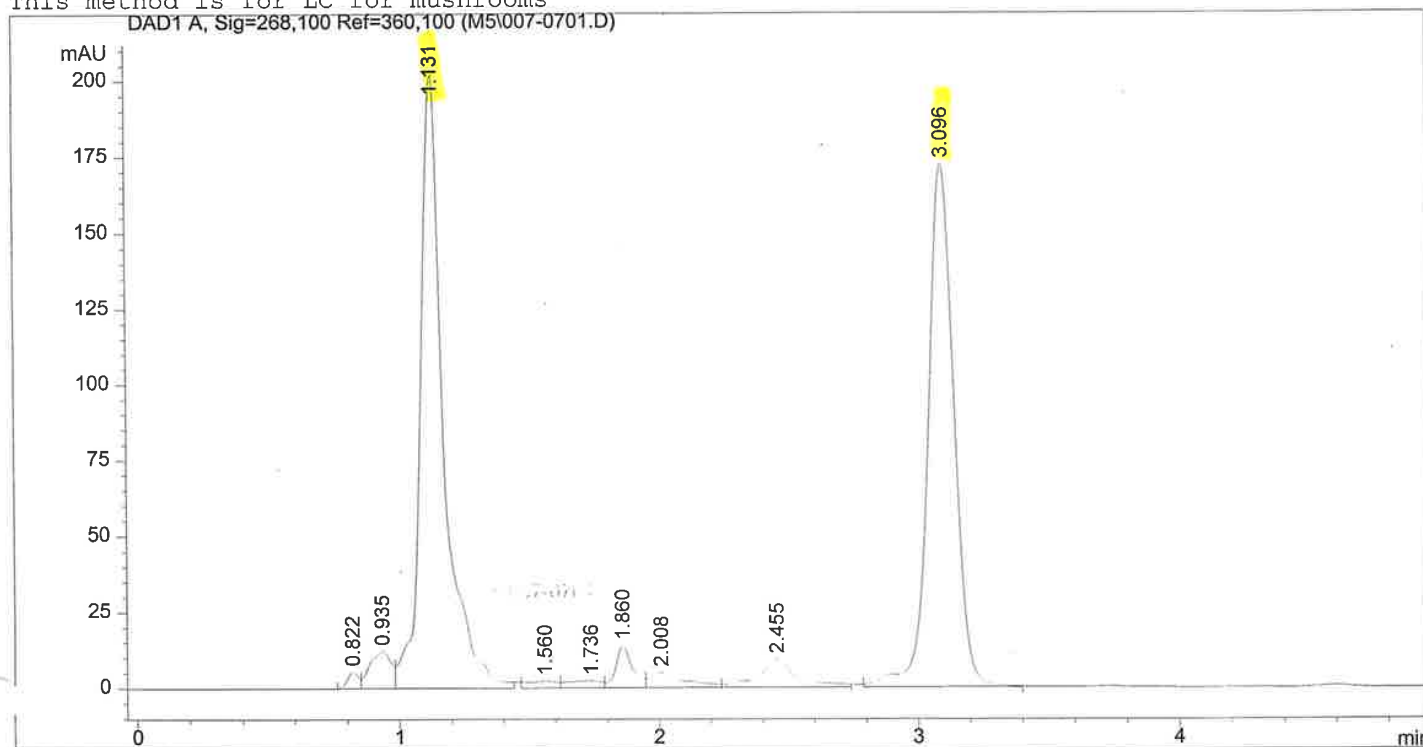
Totals : 4892.06280 924.41389

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

=====

Injection Date	: 8/25/11 9:19:13 AM	Seq. Line	: 7
Sample Name	: 111010686 02a	Location	: Vial 7
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/25/11 8:41:11 AM by PATTI CHOATIE
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.822	BV	0.0469	16.41838	5.49414	0.5941
2	0.935	VV	0.0784	69.88693	12.28097	2.5289
3	1.131	VB	0.0916	1243.17004	202.68233	44.9843
4	1.560	BV	0.1096	18.63640	2.27533	0.6744
5	1.736	VV	0.1204	21.84585	2.39477	0.7905
6	1.860	VV	0.0646	62.33922	13.83952	2.2558
7	2.008	VV	0.1279	46.81115	5.06139	1.6939
8	2.455	VB	0.1446	95.05087	9.19863	3.4394
9	3.096	BB	0.1066	1189.40247	172.09290	43.0388

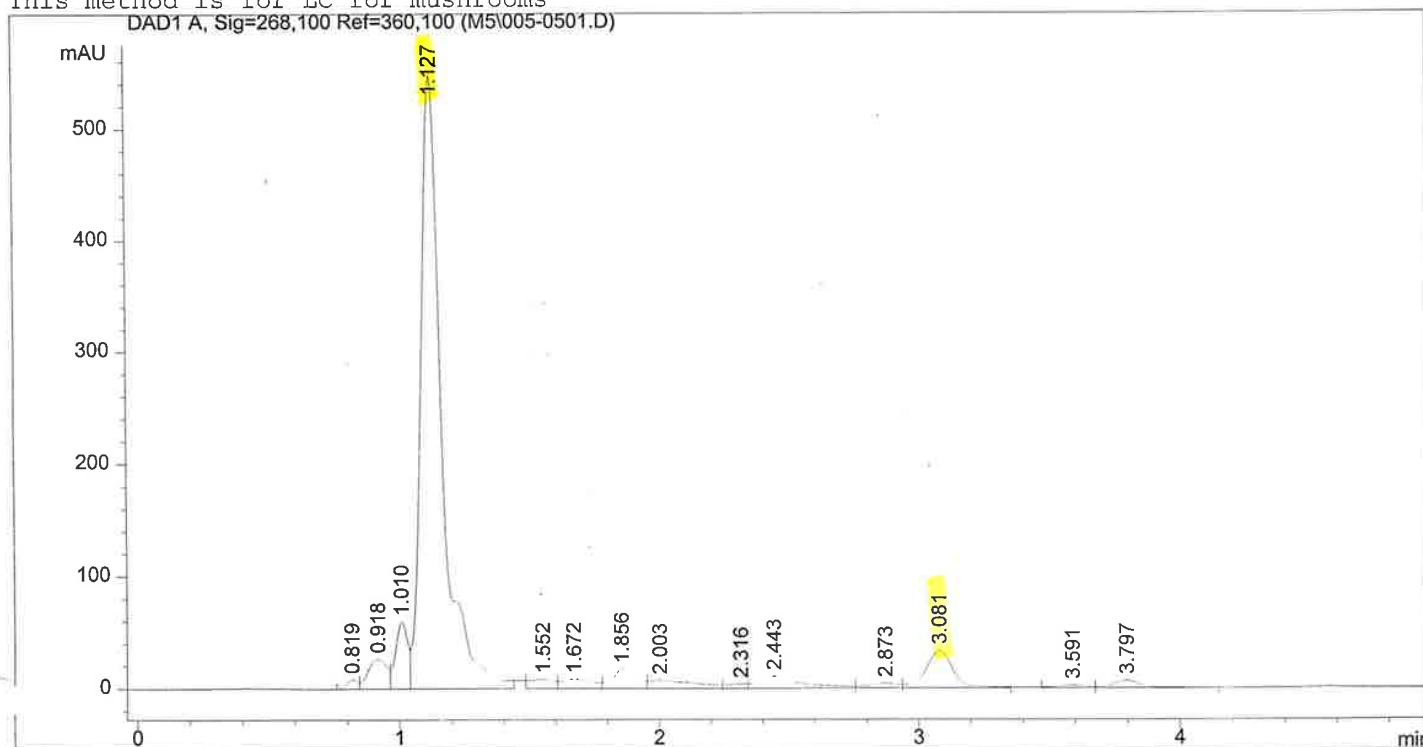
Totals : 2763.56131 425.31999

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

=====

Injection Date	: 8/25/11 9:06:54 AM	Seq. Line	: 5
Sample Name	: 111011136-01a	Location	: Vial 5
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 8/25/11 8:41:11 AM by PATTI CHOATIE
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

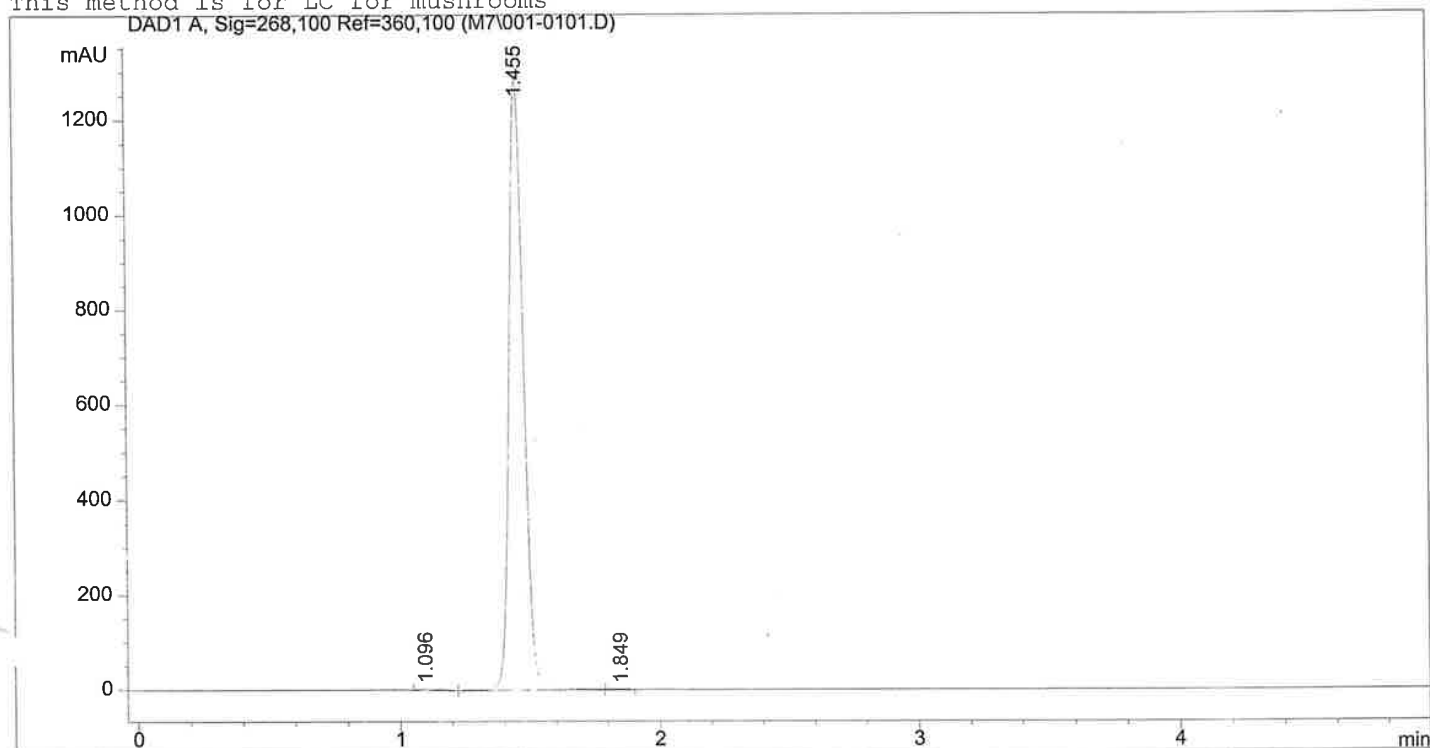
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.819	PV	0.0463	24.51434	8.34879	0.5835
2	0.918	VV	0.0807	134.24901	26.67239	3.1955
3	1.010	VV	0.0495	193.13474	60.06326	4.5972
4	1.127	VB	0.0846	3037.26392	548.23883	72.2962
5	1.552	BV	0.0905	56.43734	8.60463	1.3434
6	1.672	VV	0.1229	72.65346	8.57377	1.7294
7	1.856	VV	0.0856	105.62907	17.22017	2.5143
8	2.003	VV	0.1605	91.68331	7.50602	2.1823
9	2.316	VV	0.0779	21.32205	4.01835	0.5075
10	2.443	VV	0.1508	119.64234	10.83888	2.8479
11	2.873	VV	0.1130	34.07636	4.36651	0.8111
12	3.081	VB	0.1106	242.92552	33.50252	5.7824
13	3.591	BV	0.1139	18.56273	2.40828	0.4418
14	3.797	VB	0.1088	49.04746	6.74838	1.1675

Totals : 4201.14164 747.11078

```
=====
Injection Date   : 9/20/11 1:31:00 PM      Seq. Line :    1
Sample Name      : Caffeine Std.           Location  : Vial 1
Acq. Operator    : PATTI CHOATIE           Inj       :    1
                                           Inj Volume: 5 µl

Acq. Method      : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed     : 9/20/11 1:31:18 PM by PATTI CHOATIE
Analysis Method  : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed     : 9/20/11 2:02:14 PM by PATTI CHOATIE
                  (modified after loading)
This method is for LC for mushrooms
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.096	BP	0.0740	18.50753	3.47988	0.3660
2	1.455	VB	0.0614	5030.89697	1294.22705	99.5012
3	1.849	BV	0.0769	6.71349	1.24424	0.1328

Totals : 5056.11800 1298.95117

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

Unknowns

9-20-11

100%
HBE

1. Psilocyn
2. Psilocyn
3. Psilocybin
4. Psilocyn
5. Psilocyn/Psilocybin
6. Bufotenine

MeOH

Fisher Lot 57048

Bottle #2

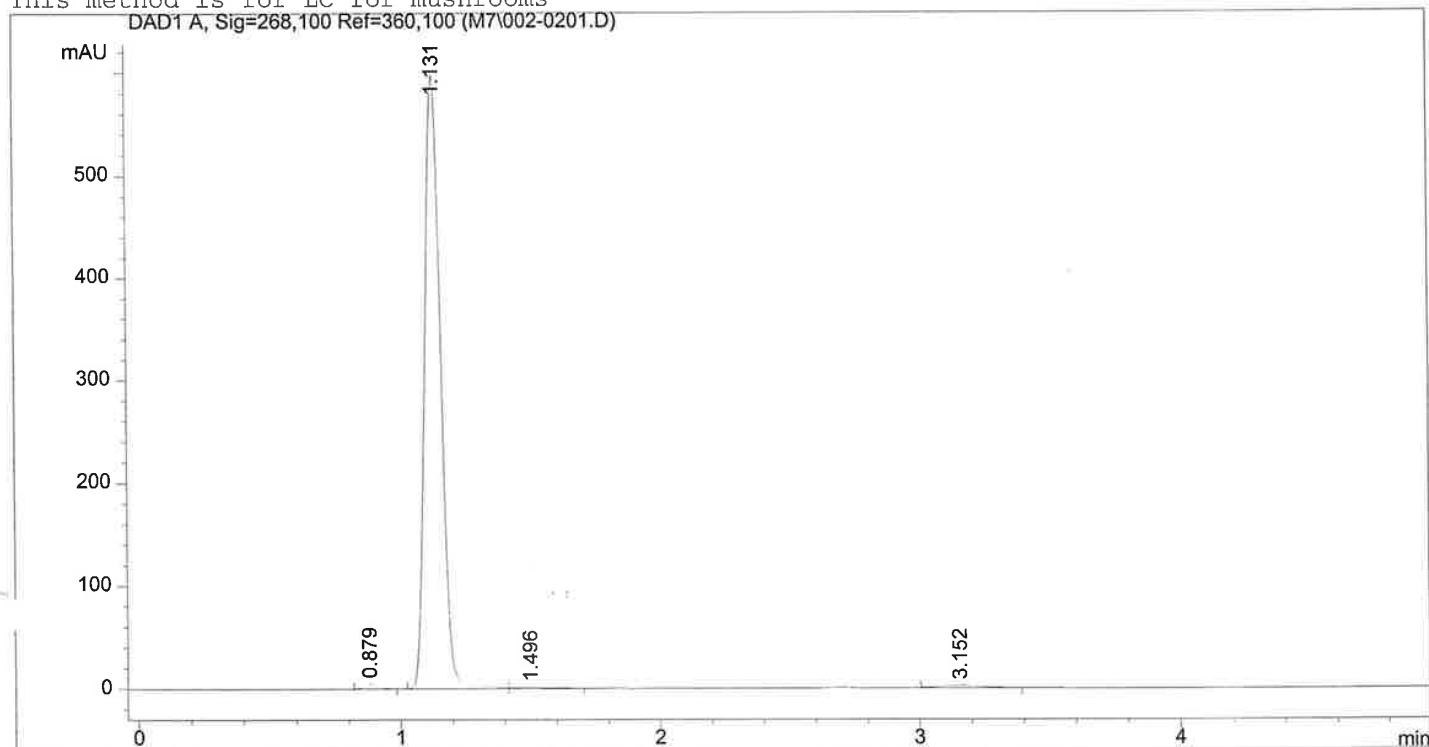
=====

Injection Date	: 9/20/11 1:37:08 PM	Seq. Line	: 2
Sample Name	: Psilocybin Std.	Location	: Vial 2
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Acq. Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 9/20/11 1:38:38 PM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 9/20/11 2:02:14 PM by PATTI CHOATIE
(modified after loading)

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.879	BB	0.0547	18.45877	5.29162	0.7122
2	1.131	BV	0.0674	2533.64282	598.07117	97.7521
3	1.496	VB	0.1409	14.38020	1.46039	0.5548
4	3.152	BP	0.1421	25.42360	2.60037	0.9809

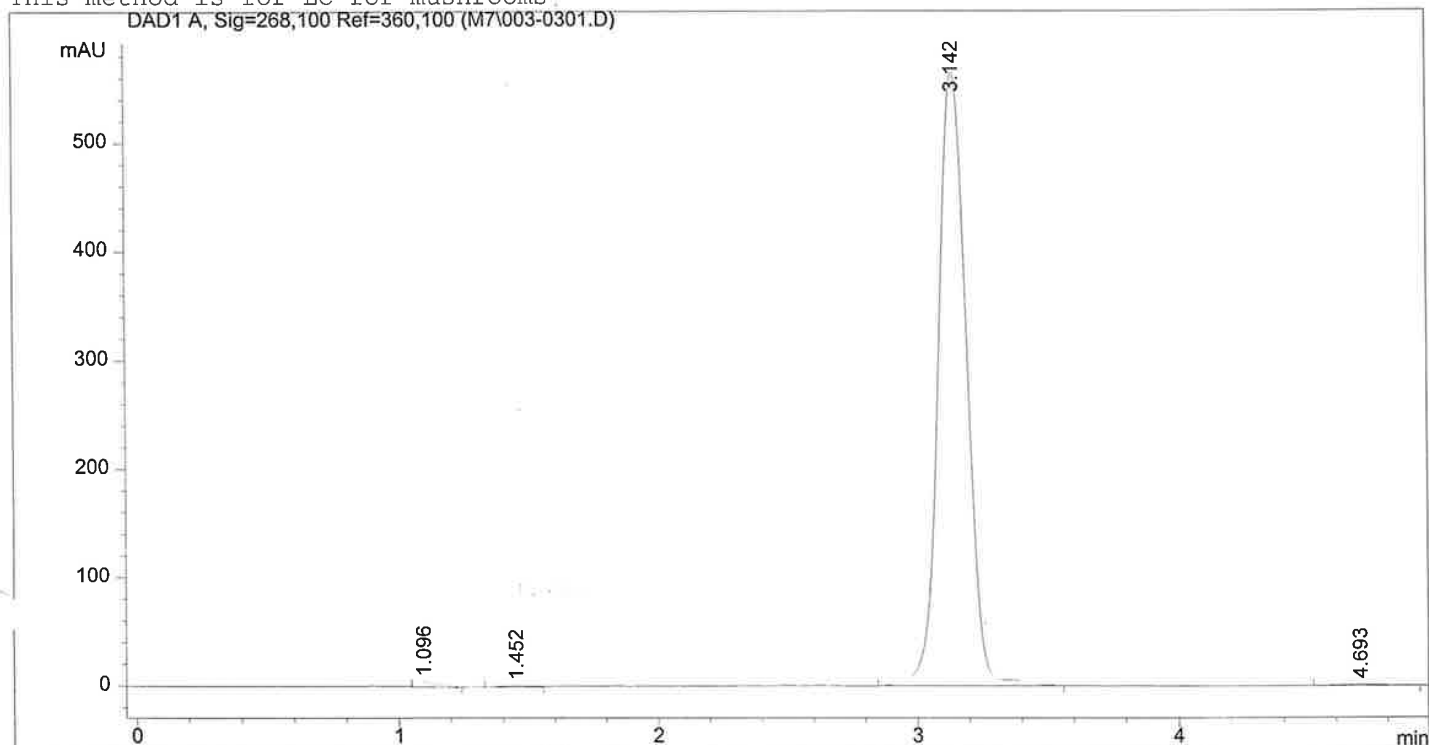
Totals : 2591.90539 607.42355

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

```
=====
Injection Date   : 9/20/11 1:43:19 PM      Seq. Line   :    3
Sample Name      : Psilocyn Std.           Location      : Vial 3
Acq. Operator    : PATTI CHOATIE           Inj           :    1
                                           Inj Volume    : 5 µl
=====
```

```
Acq. Method      : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 9/20/11 1:43:45 PM by PATTI CHOATIE
                  (modified after loading)
Analysis Method  : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 9/20/11 2:02:14 PM by PATTI CHOATIE
                  (modified after loading)
```

This method is for LC for mushrooms.



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.096	BP	0.0714	23.33398	4.58351	0.5434
2	1.452	VV	0.1035	8.32057	1.10917	0.1938
3	3.142	BB	0.1197	4252.87451	565.71942	99.0345
4	4.693	BP	0.1379	9.80549	1.10093	0.2283

Totals : 4294.33455 572.51303

```
=====
*** End of Report ***
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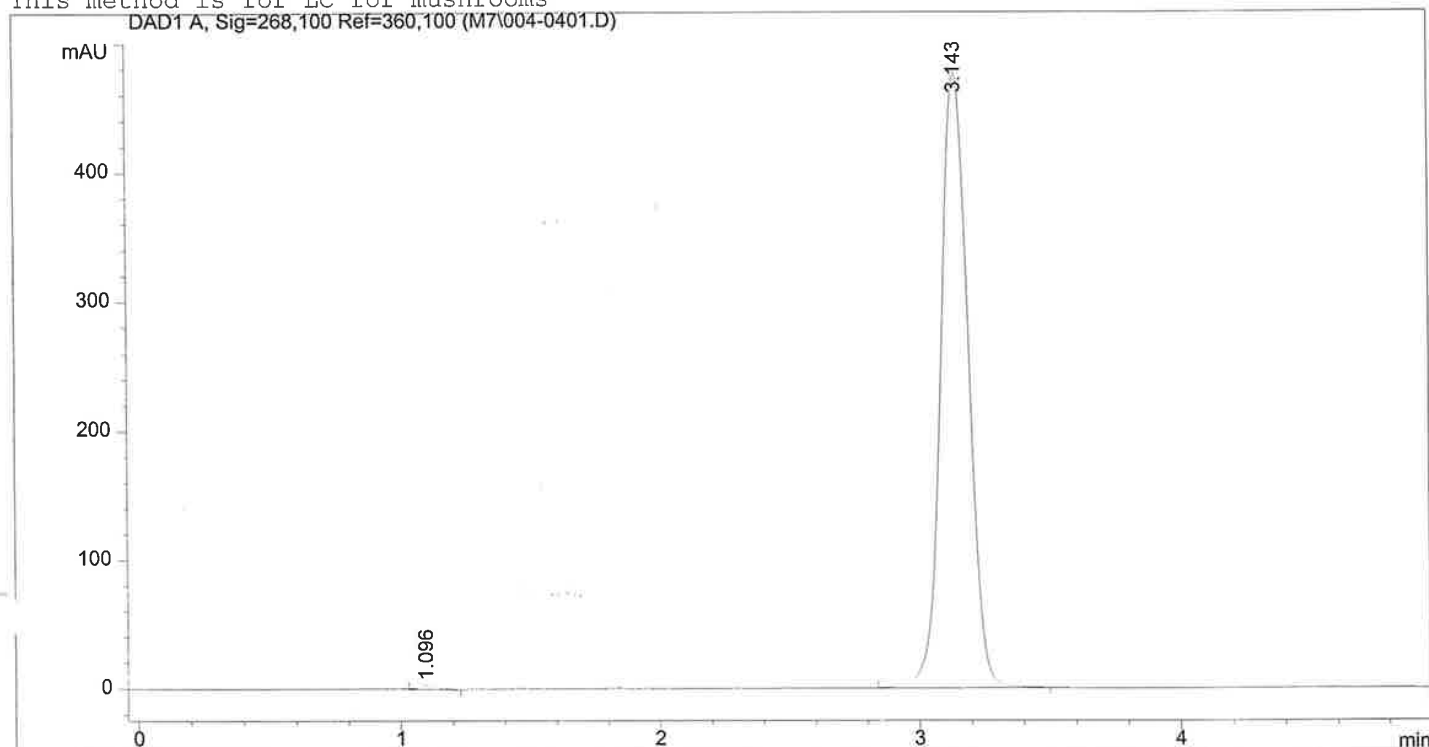
Injection Date	: 9/20/11 1:49:28 PM	Seq. Line	: 4
Sample Name	: Unknown #1 - <i>PSilocybin</i>	Location	: Vial 4
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Acq. Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 9/20/11 1:49:55 PM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 9/20/11 2:02:14 PM by PATTI CHOATIE
(modified after loading)

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M7\004-0401.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

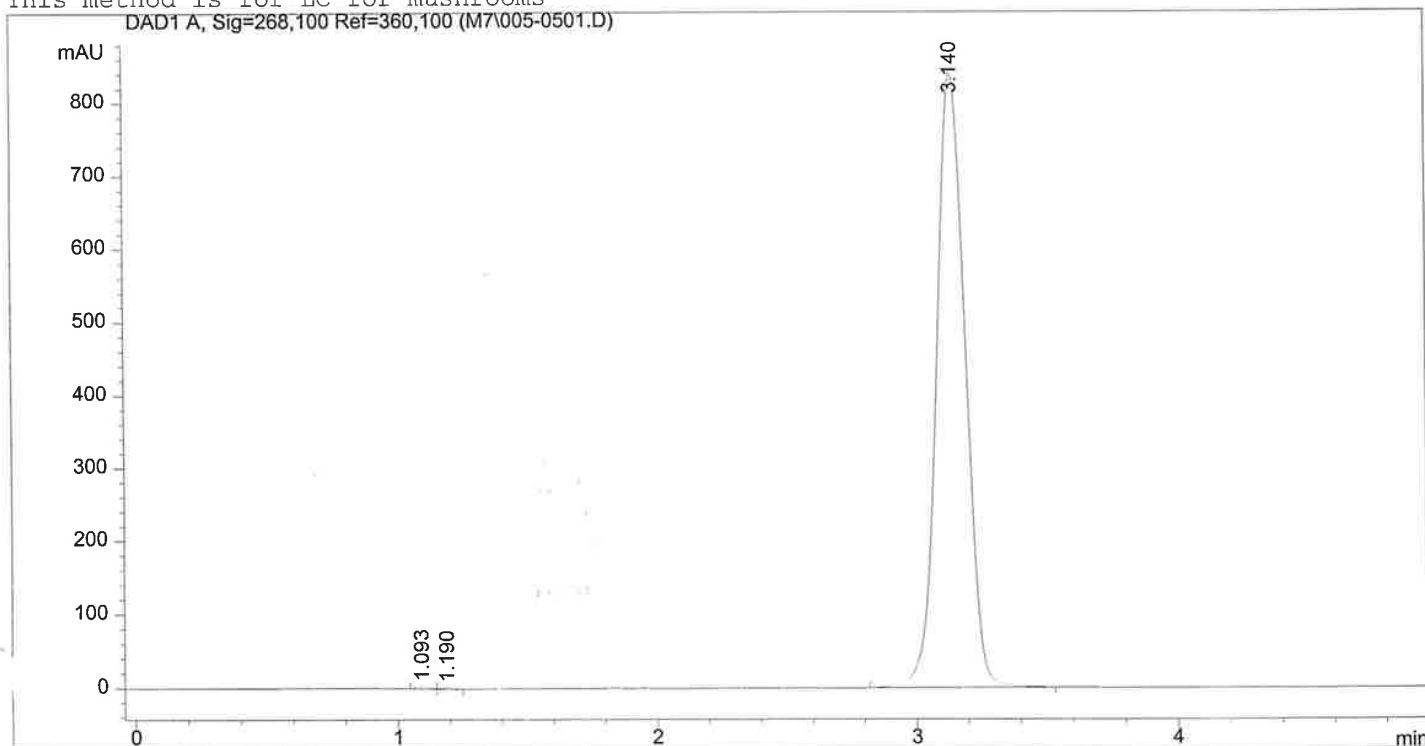
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.096	BP	0.0663	13.33152	2.97618	0.3806
2	3.143	BB	0.1154	3489.77319	476.60565	99.6194

Totals : 3503.10471 479.58183

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

```
=====
Injection Date   : 9/20/11 1:55:38 PM      Seq. Line :    5
Sample Name     : Unknown #2 PSILOCYN      Location  : Vial 5
Acq. Operator   : PATTI CHOATIE             Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method          : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed    : 9/20/11 1:56:05 PM by PATTI CHOATIE
                  (modified after loading)
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M7\005-0501.D)
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BV	0.0516	10.26358	3.02430	0.1601
2	1.190	VP	0.0520	6.30142	1.83815	0.0983
3	3.140	BB	0.1208	6393.41699	839.93170	99.7416

Totals : 6409.98200 844.79415

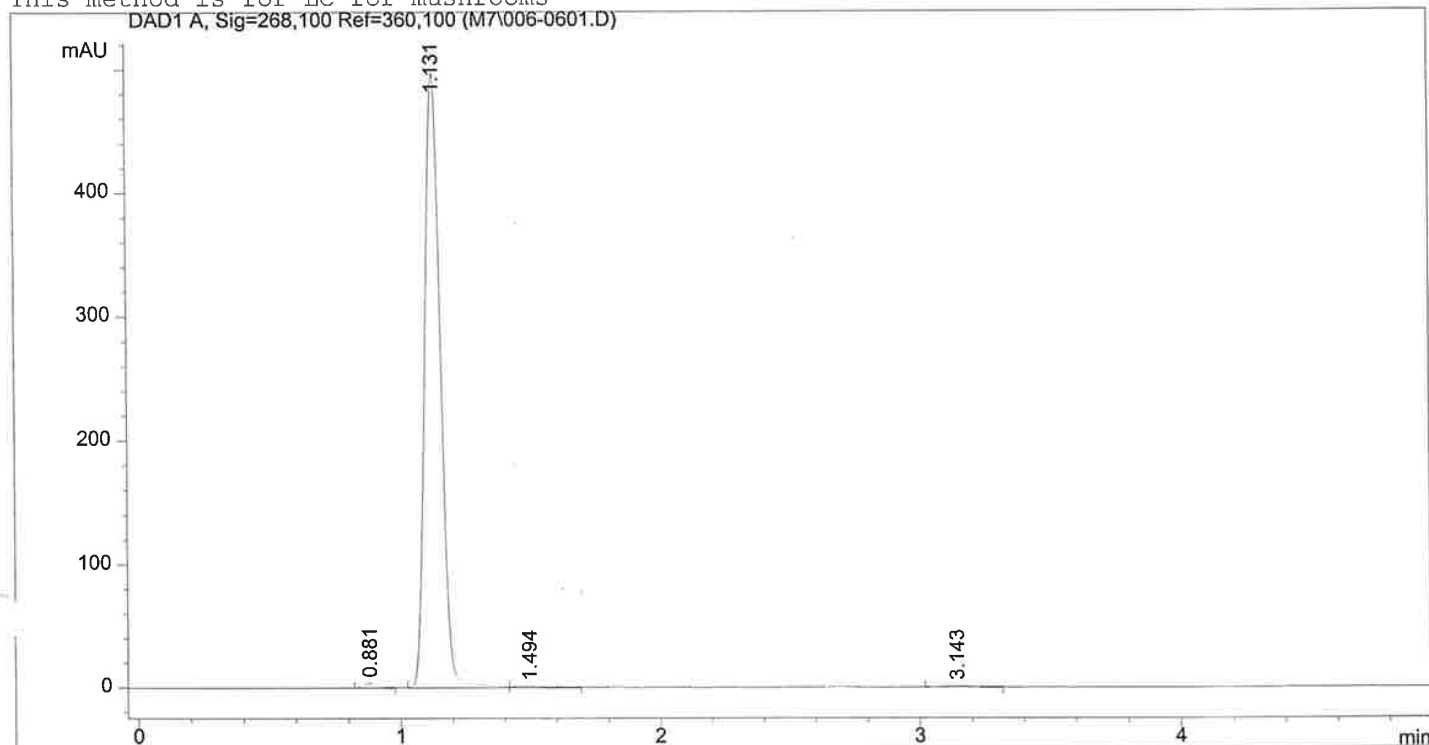
```
=====
*** End of Report ***
=====
```

=====

Injection Date	: 9/20/11 2:01:46 PM	Seq. Line	: 6
Sample Name	: Unknown #3	Location	: Vial 6
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

Acq. Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 9/20/11 2:02:14 PM by PATTI CHOATIE
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 9/20/11 2:26:52 PM by PATTI CHOATIE
(modified after loading)

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.881	BB	0.0561	14.29555	3.95810	0.6773
2	1.131	BV	0.0647	2078.54468	497.68970	98.4760
3	1.494	VB	0.1375	11.29835	1.18166	0.5353
4	3.143	BP	0.1013	6.57422	1.01806	0.3115

Totals : 2110.71280 503.84752

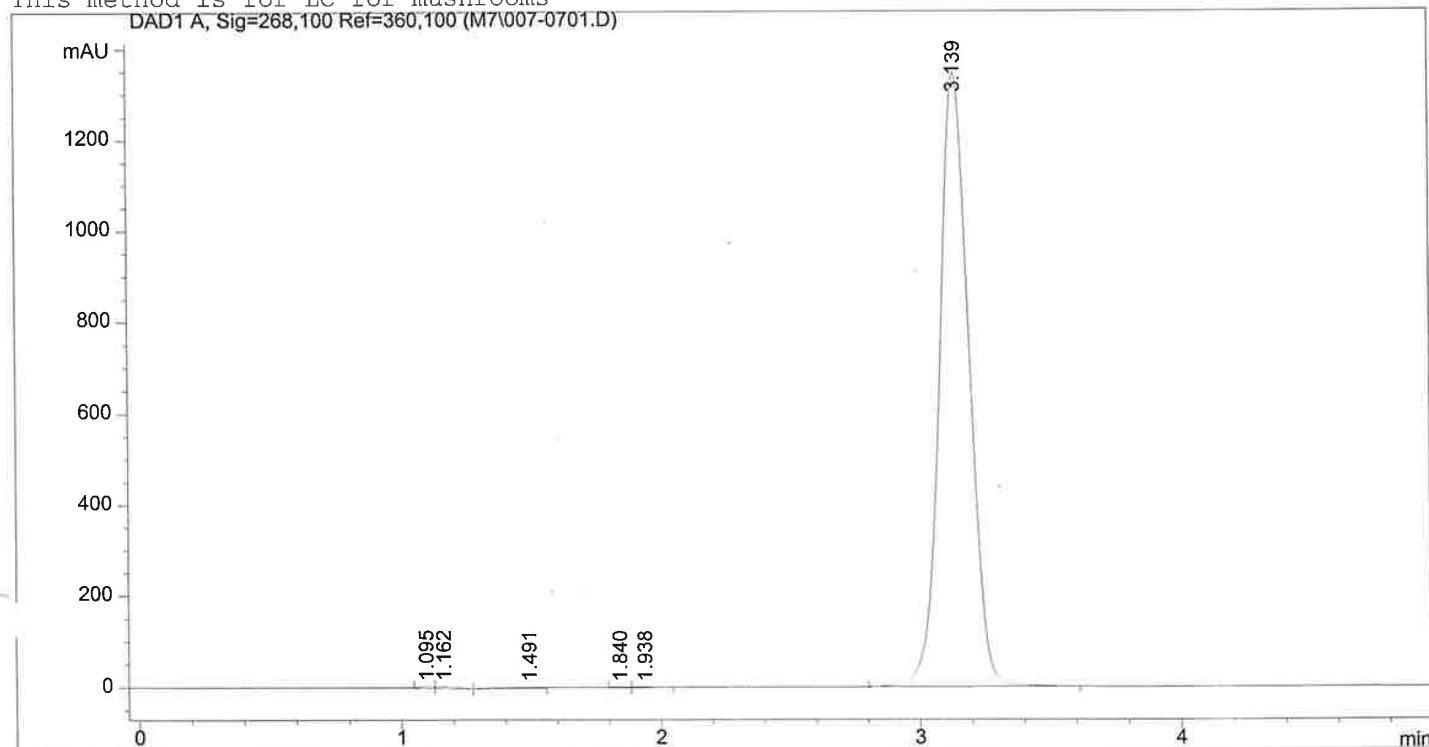
=====
*** End of Report ***

Injection Date : 9/20/11 2:07:57 PM Seq. Line : 7
Sample Name : Unknown #4 *Psilocyn* Location : Vial 7
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 5 µl

Acq. Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 9/20/11 2:08:23 PM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 9/20/11 2:26:52 PM by PATTI CHOATIE
(modified after loading)

This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.095	BV	0.0521	13.68759	3.97797	0.1287
2	1.162	VP	0.0809	22.68011	4.07447	0.2133
3	1.491	VV	0.1987	32.24620	2.20375	0.3032
4	1.840	BV	0.0637	6.12740	1.38259	0.0576
5	1.938	VB	0.0884	6.91770	1.11502	0.0650
6	3.139	PB	0.1215	1.05529e4	1346.07751	99.2321

Totals : 1.06346e4 1358.83132

*** End of Report ***

=====

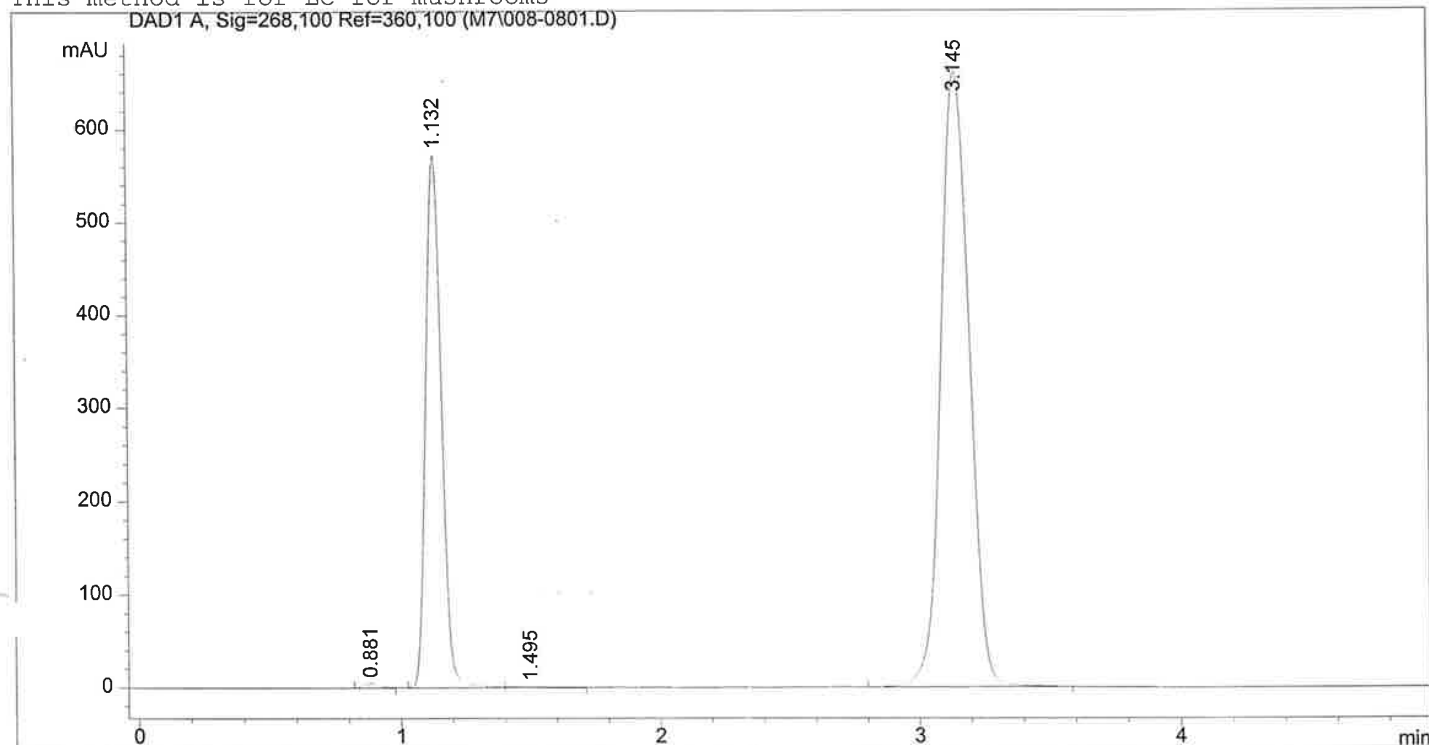
Injection Date	: 9/20/11 2:14:05 PM	Seq. Line	: 8
Sample Name	: UNKnown #5	Location	: Vial 8
Acq. Operator	: PATTI CHOATIE	Inj	: 1
		Inj Volume	: 5 µl

PSILOCYBIN &
PSILOCYN

Acq. Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 9/20/11 2:14:32 PM by PATTI CHOATIE
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 9/20/11 2:26:52 PM by PATTI CHOATIE
(modified after loading)

This method is for LC for mushrooms



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Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

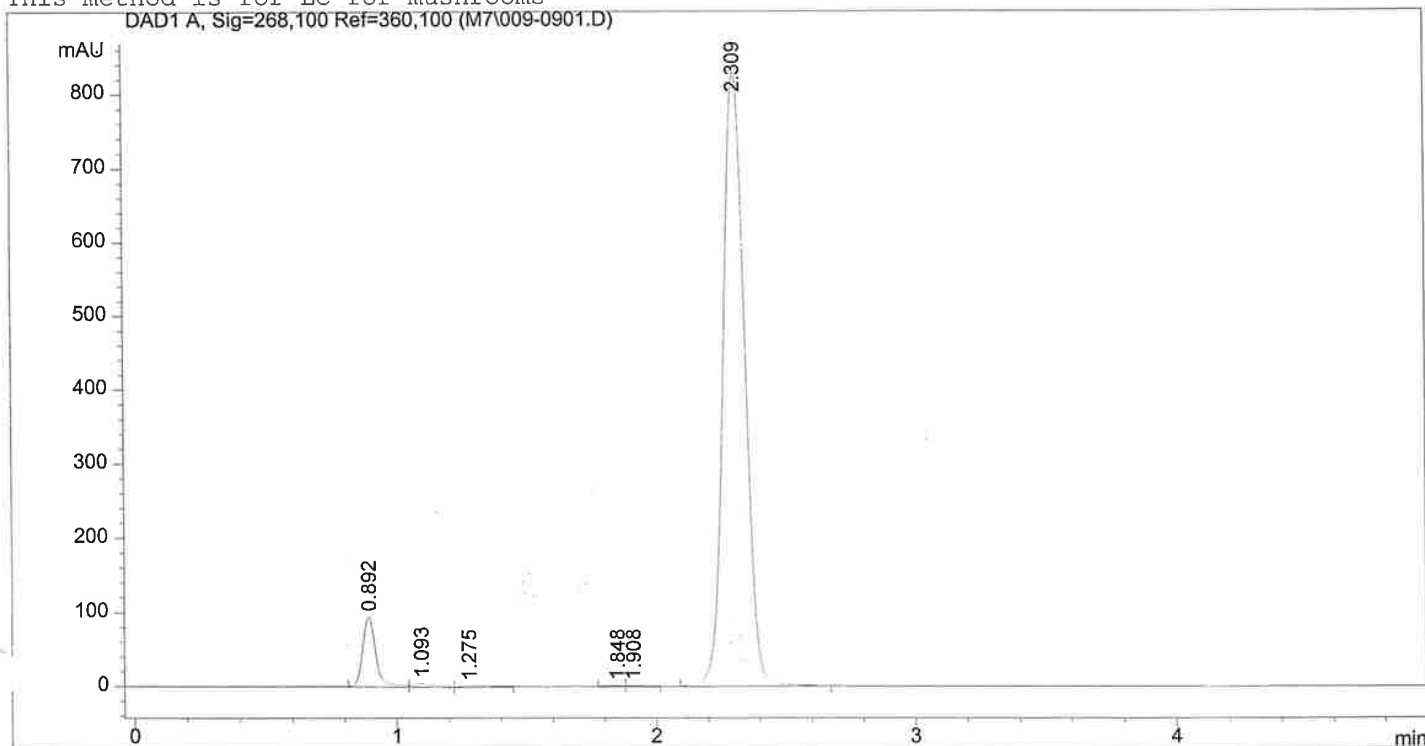
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.881	BB	0.0554	17.47734	4.92451	0.2343
2	1.132	BB	0.0668	2396.09766	572.49420	32.1212
3	1.495	BB	0.1398	13.65558	1.35193	0.1831
4	3.145	VB	0.1228	5032.32373	661.23828	67.4615

Totals : 7459.55431 1240.00892

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

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=====
Injection Date   : 9/20/11 2:20:16 PM      Seq. Line   :    9
Sample Name     : Unknown #6 BUFOTENINE    Location    : Vial 9
Acq. Operator   : PATTI CHOATIE           Inj         :    1
                                           Inj Volume  : 5 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method          : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed    : 9/20/11 2:20:41 PM by PATTI CHOATIE
                  (modified after loading)
This method is for LC for mushrooms
  
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                          Area Percent Report
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```

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.892	BV	0.0546	328.94986	94.57756	6.3391
2	1.093	VP	0.0731	27.24521	5.20487	0.5250
3	1.275	VB	0.1373	16.97961	1.63307	0.3272
4	1.848	BV	0.0736	7.06896	1.33777	0.1362
5	1.908	VB	0.0831	7.71886	1.23132	0.1487
6	2.309	BB	0.0914	4801.23584	830.99188	92.5237

```
Totals :                      5189.19834  934.97647
```

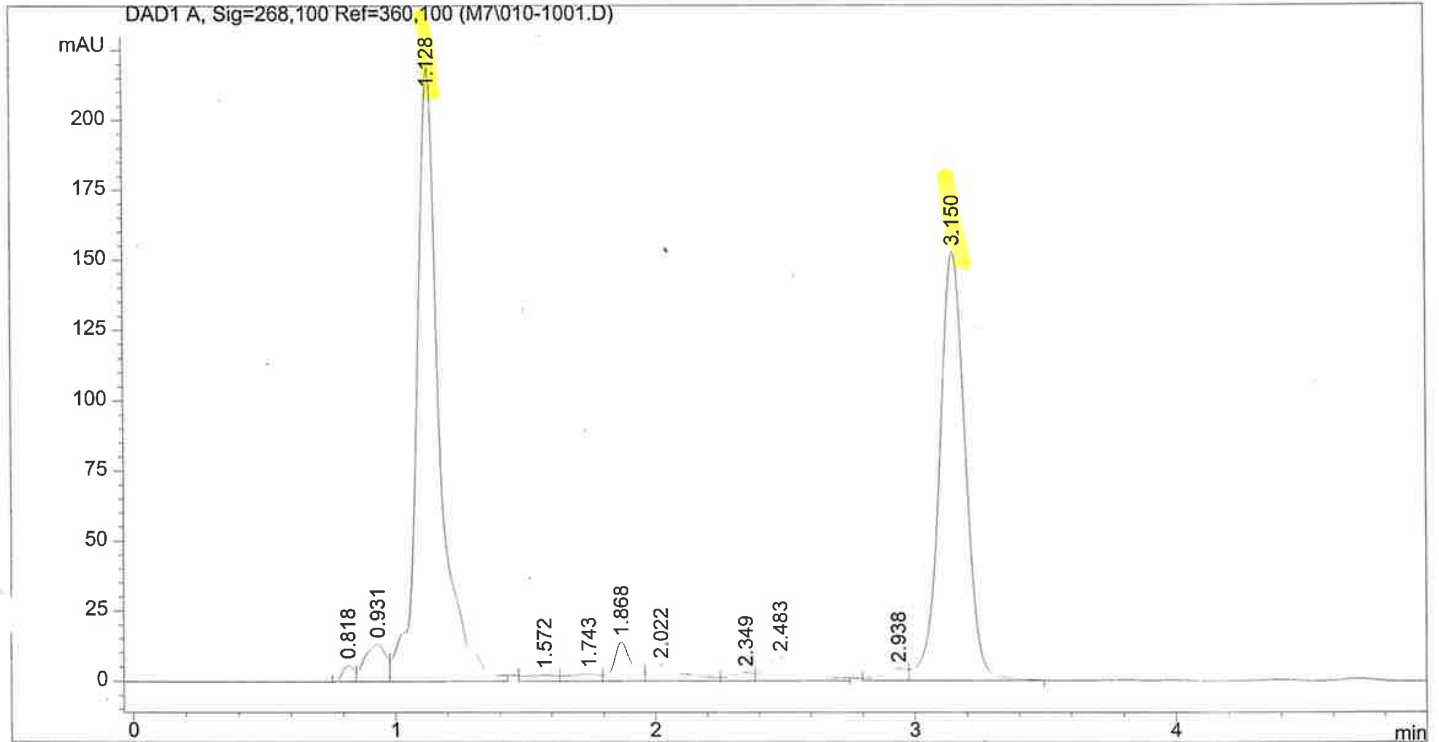
```

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*** End of Report ***
  
```

Injection Date : 9/20/11 2:26:27 PM Seq. Line : 10
Sample Name : 111-010686-02a **PSILOCYBIN & PSILOCYN** Location : Vial 10
Acq. Operator : PATTI CHOATIE Inj : 1
Inj Volume : 5 µl

Acq. Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 9/20/11 2:26:52 PM by PATTI CHOATIE
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 9/20/11 2:45:24 PM by PATTI CHOATIE
(modified after loading)

This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

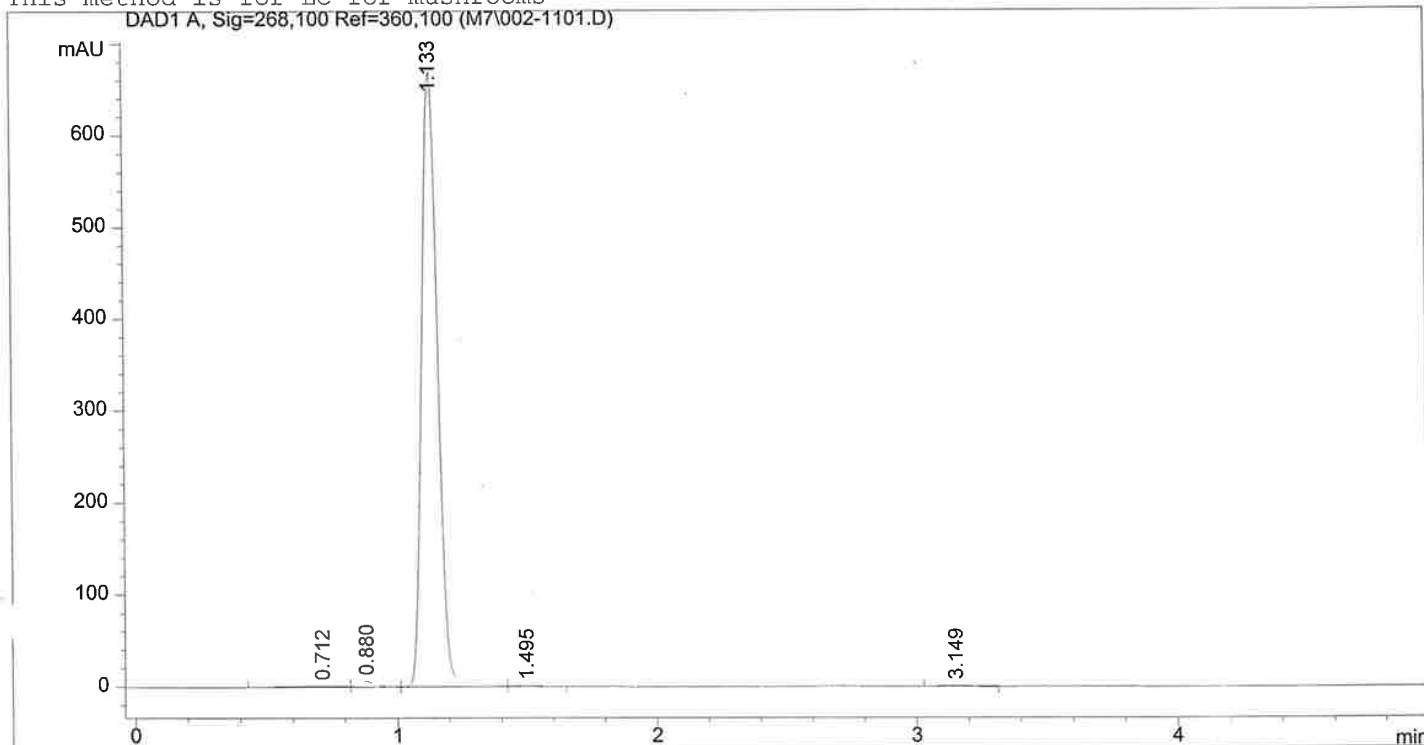
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.818	BV	0.0470	17.92541	5.97677	0.6535
2	0.931	VV	0.0774	74.87342	13.35332	2.7295
3	1.128	VB	0.0881	1316.92798	219.09961	48.0084
4	1.572	BV	0.1197	19.64323	2.25381	0.7161
5	1.743	VV	0.1142	22.18960	2.63709	0.8089
6	1.868	VV	0.0677	66.44080	13.91903	2.4221
7	2.022	VV	0.1240	54.03703	5.94901	1.9699
8	2.349	VV	0.0857	17.83574	2.98610	0.6502
9	2.483	VB	0.1344	78.09827	8.25222	2.8471
10	2.938	BV	0.0956	28.18576	4.34689	1.0275
11	3.150	VB	0.1061	1046.96509	152.54955	38.1669

Totals : 2743.12232 431.32340

```
=====
Injection Date   : 9/20/11 2:32:38 PM      Seq. Line :   11
Sample Name      : Psilocybin Std.         Location  : Vial 2
Acq. Operator    : PATTI CHOATIE           Inj       :    1
                                           Inj Volume: 5 µl
=====
```

```
Acq. Method      : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 9/20/11 2:33:04 PM by PATTI CHOATIE
                  (modified after loading)
Analysis Method  : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 9/20/11 2:45:24 PM by PATTI CHOATIE
                  (modified after loading)
```

This method is for LC for mushrooms



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Area Percent Report
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```

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

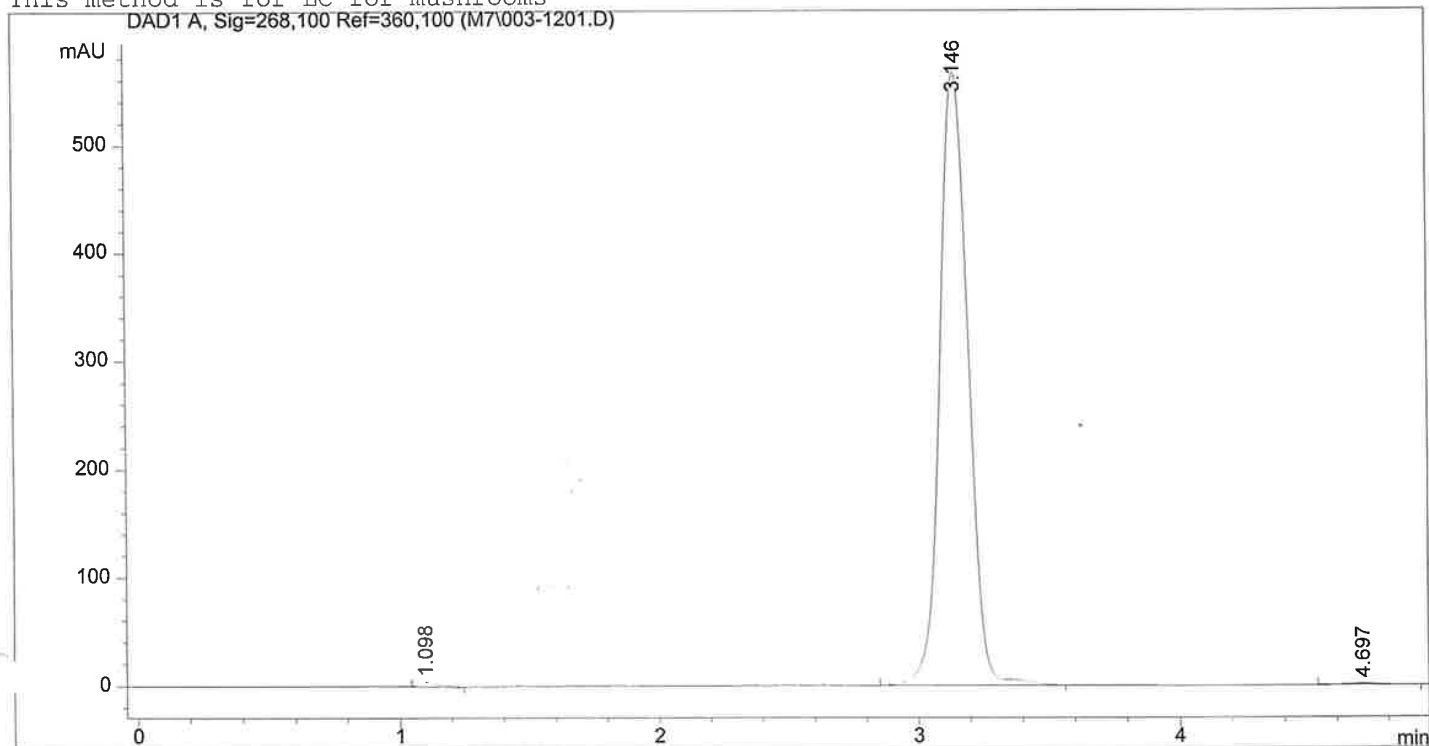
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.712	PV	0.2182	17.06210	1.22733	0.5890
2	0.880	VV	0.0577	24.22560	6.47171	0.8362
3	1.133	VV	0.0654	2837.73755	670.12000	97.9544
4	1.495	VB	0.1022	9.65073	1.40445	0.3331
5	3.149	BP	0.0956	8.32303	1.35654	0.2873

Totals : 2896.99900 680.58002

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*** End of Report ***
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=====
Injection Date   : 9/20/11 2:38:47 PM      Seq. Line :   12
Sample Name      : Psilocyn Std.           Location  : Vial 3
Acq. Operator    : PATTI CHOATIE           Inj       :    1
                                           Inj Volume: 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 9/20/11 2:39:14 PM by PATTI CHOATIE
                  (modified after loading)
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M7\003-1201.D)
=====
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=====
Area Percent Report
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```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
```

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.098	BP	0.0710	23.35565	4.62189	0.5436
2	3.146	BB	0.1197	4263.24756	566.86420	99.2261
3	4.697	BB	0.1377	9.89673	1.11393	0.2303

Totals : 4296.49993 572.60001

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*** End of Report ***
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```

Answer Key

- A. Psilocybin Alltech Lot # 486 Label O
MeOH Fisher Lot # 52041 Bottle #4
1mg/ml
- B. Psilocyn Alltech Lot # 065 Label C
MeOH Fisher Lot # 52041 Bottle #4
1 mg/ml
- C. Caffeine Eastman Kodak Lot # 355
MeOH Fisher Lot # 52041 Bottle #4
1mg/ml

URA
pg 1

Case Number	March 2013 PT
Date	3/28/2013
Analyst	Laura Adams

Vial A	Psilocybin
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Vial B	Psilocyn
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Vial C	NCSD
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URA
pg

Case Number	March 2013 PT
Date	3/28/2013
Analyst	Laura Adams

Vial A	1.141	
Psilocybin Std.	1.142	
Acceptance Range*	1.119	1.165

Psilocyn Std.	3.233	
Acceptance Range*	3.168	3.298

Caffeine	1.463	
Acceptance Range*	1.434	1.492

Vial B		
Psilocybin Std.	1.142	
Acceptance Range*	1.119	1.165

	3.234	
Psilocyn Std.	3.233	
Acceptance Range*	3.168	3.298

Caffeine	1.463	
Acceptance Range*	1.434	1.492

Vial C		
Psilocybin Std.	1.142	
Acceptance Range*	1.119	1.165

Psilocyn Std.	3.233	
Acceptance Range*	3.168	3.298

	1.459	
Caffeine	1.463	
Acceptance Range*	1.434	1.492

*Note: Only report results for retention times with in + or -2% of the standard

<Mushroom PT Calculation>

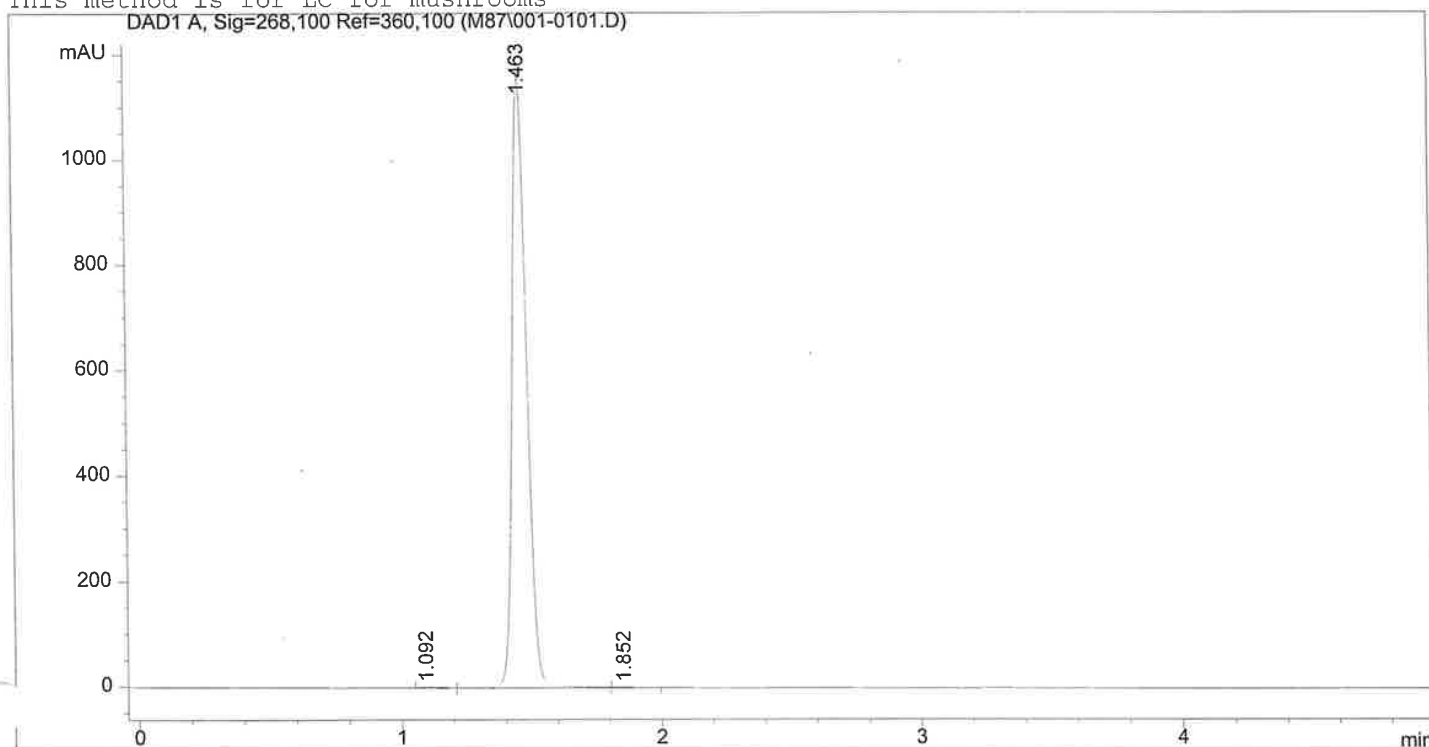
URA
pg

=====

Injection Date	: 3/28/13 7:57:41 PM	Seq. Line	: 1
Sample Name	: Caffeine std	Location	: Vial 1
Acq. Operator	: LAURA ADAMS	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

VR
843



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0569	7.52964	1.95468	0.1675
2	1.463	VB	0.0588	4482.10889	1166.77722	99.6783
3	1.852	BB	0.0885	6.93436	1.05746	0.1542

Totals : 4496.57289 1169.78936

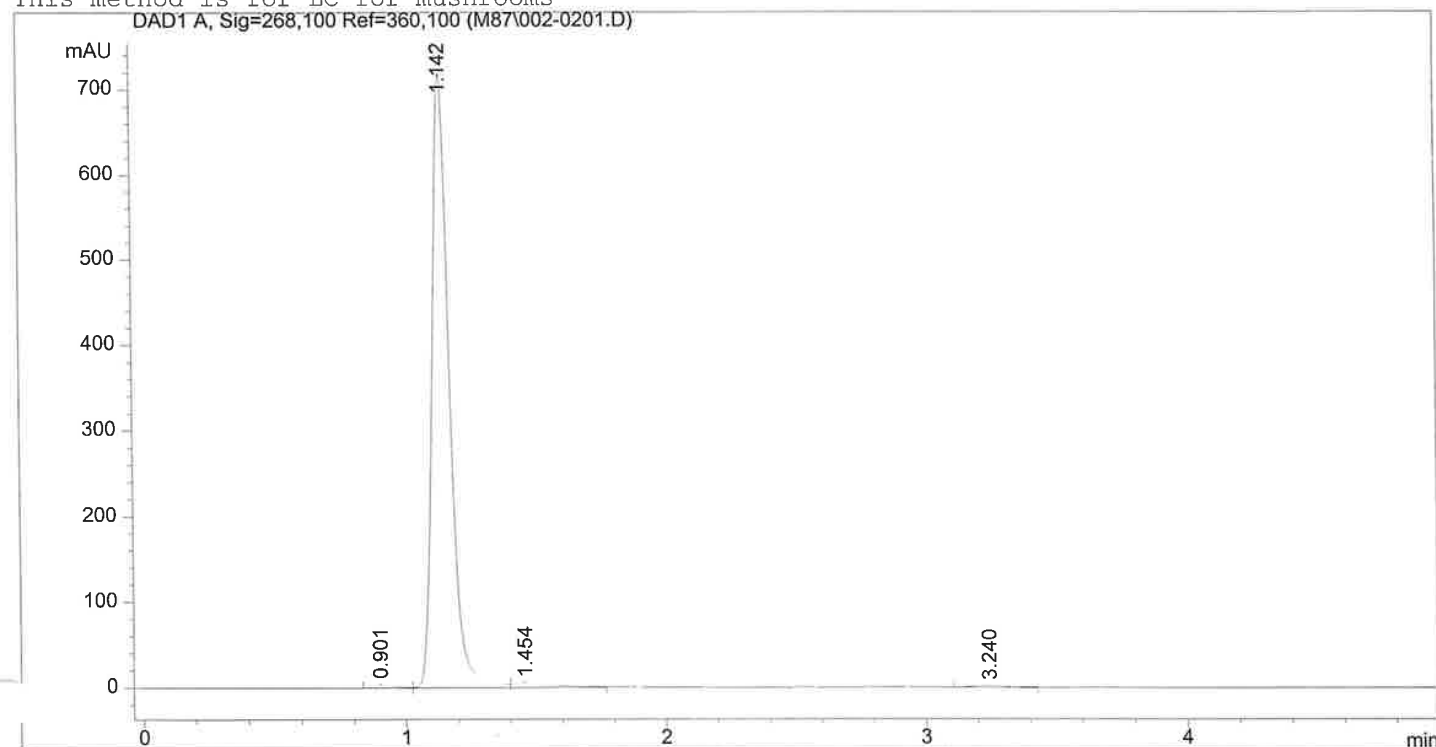
=====
*** End of Report ***

=====

Injection Date	: 3/28/13 8:03:52 PM	Seq. Line	: 2
Sample Name	: psilocybin std	Location	: Vial 2
Acq. Operator	: LAURA ADAMS	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

*UP 18
pg 4*



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PV	0.0647	20.07539	4.62352	0.5956
2	1.142	VV	0.0712	3283.02832	719.38409	97.3946
3	1.454	VB	0.1145	52.62099	6.10672	1.5611
4	3.240	BP	0.1035	15.12717	2.27713	0.4488

Totals : 3370.85187 732.39147

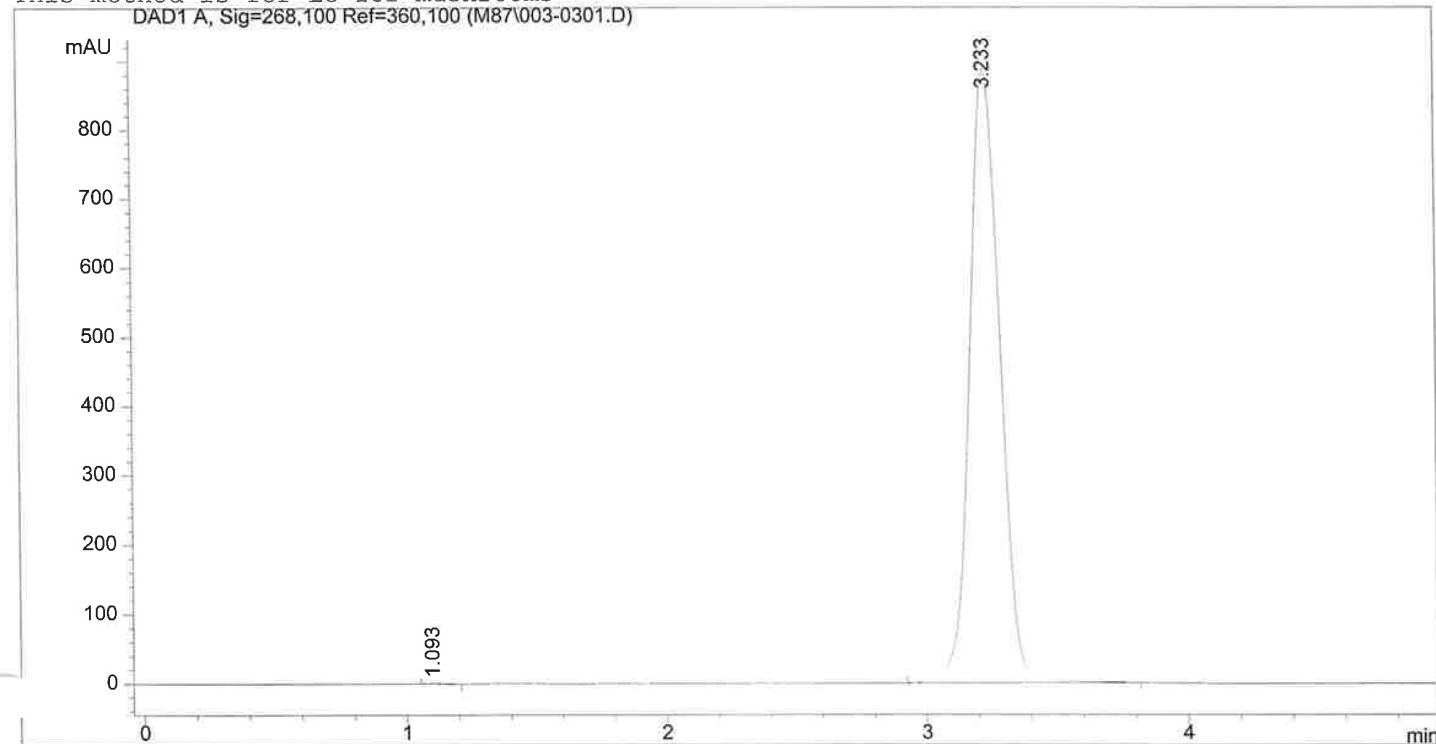
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*** End of Report ***

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Injection Date	: 3/28/13 8:10:02 PM	Seq. Line	: 3
Sample Name	: Psilocyn std	Location	: Vial 3
Acq. Operator	: LAURA ADAMS	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M87\003-0301.D)



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0570	9.01513	2.33960	0.1256
2	3.233	BB	0.1281	7167.36572	888.92139	99.8744

Totals : 7176.38085 891.26099

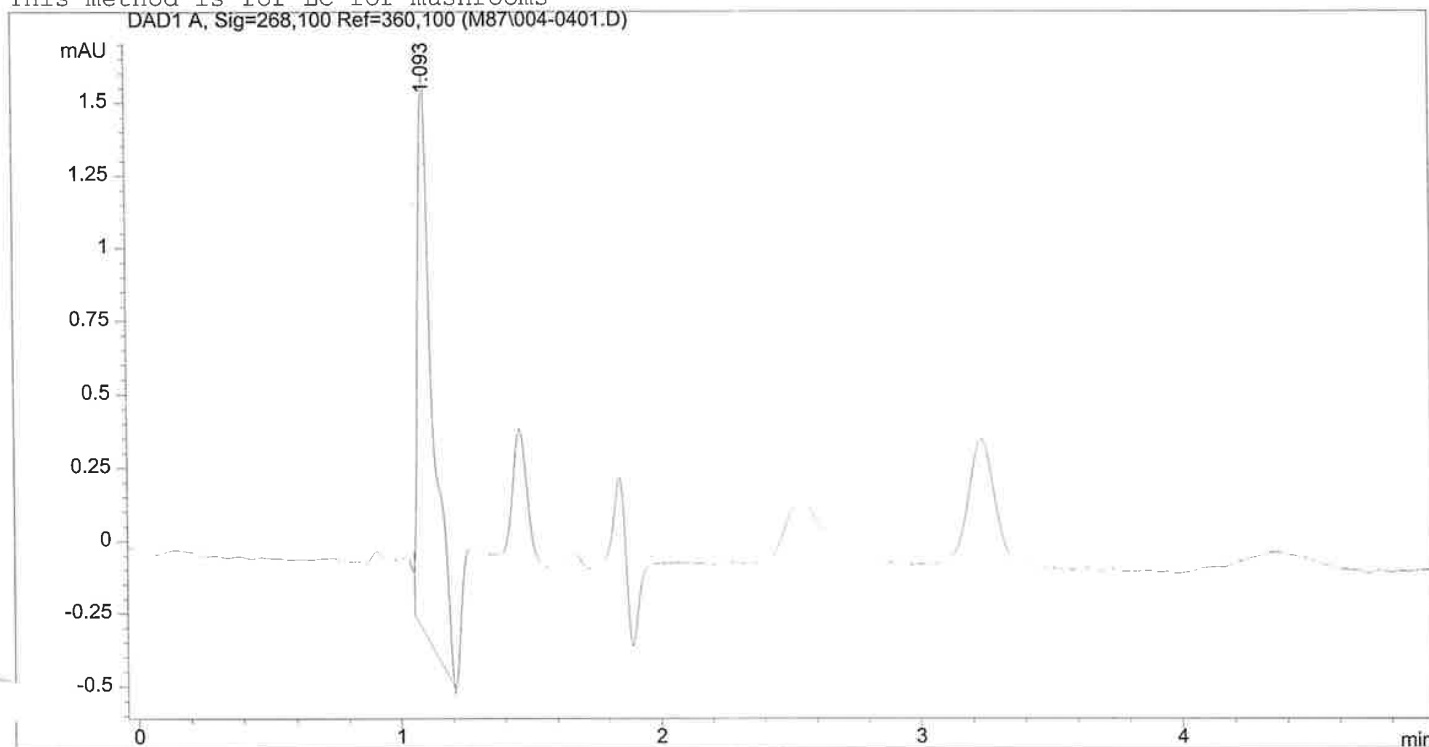
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*** End of Report ***
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Injection Date	: 3/28/13 8:16:12 PM	Seq. Line	: 4
Sample Name	: Blank	Location	: Vial 4
Acq. Operator	: LAURA ADAMS	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

LR
gjb



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0570	7.44197	1.92917	100.0000

Totals : 7.44197 1.92917

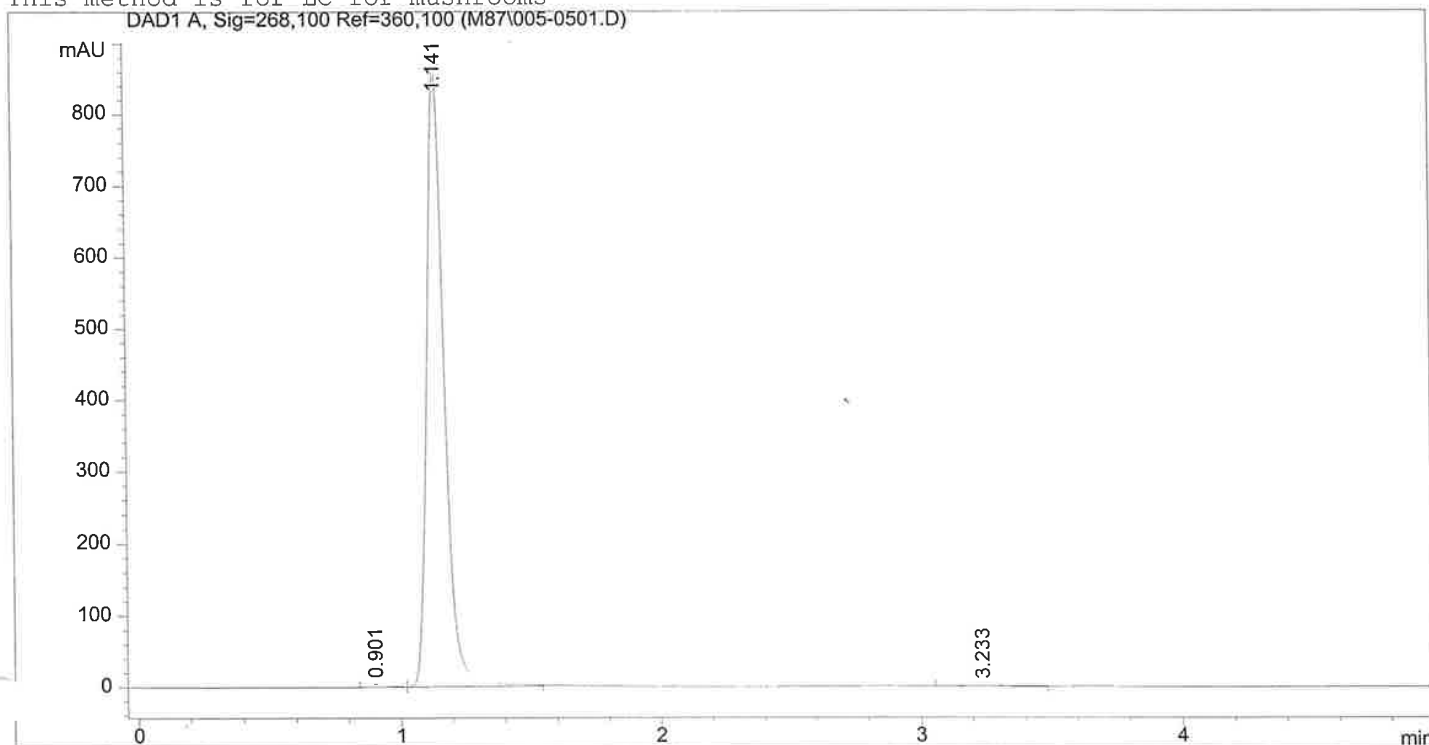
=====
*** End of Report ***

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Injection Date	: 3/28/13 8:22:22 PM	Seq. Line	: 5
Sample Name	: LRA-A	Location	: Vial 5
Acq. Operator	: LAURA ADAMS	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

URA
Py



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PV	0.0613	23.34530	5.75995	0.5816
2	1.141	VB	0.0696	3968.95557	864.34216	98.8777
3	3.233	VP	0.1082	21.70566	3.15798	0.5407

Totals : 4014.00653 873.26010

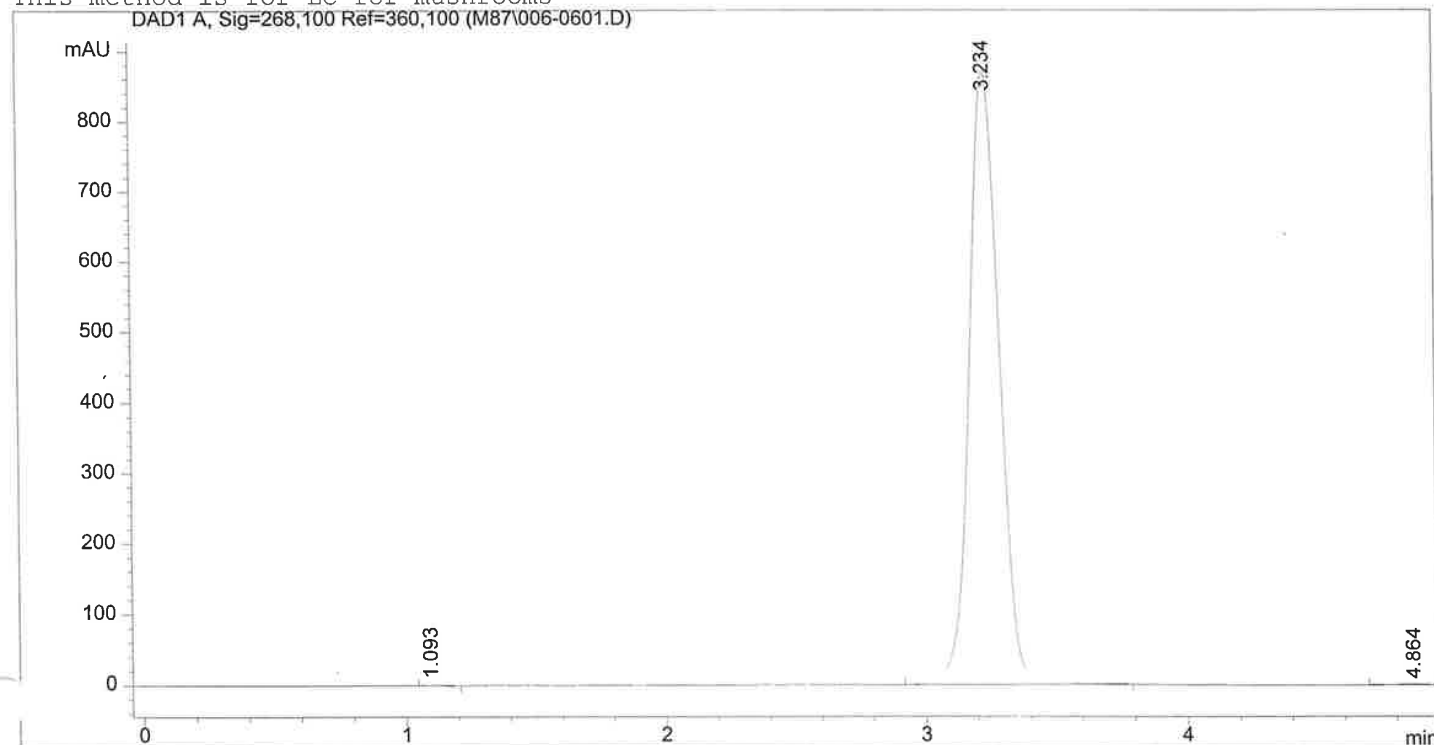
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*** End of Report ***

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Injection Date	: 3/28/13 8:28:31 PM	Seq. Line	: 6
Sample Name	: LRA-B	Location	: Vial 6
Acq. Operator	: LAURA ADAMS	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

*VR
pyg*



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0556	11.73353	3.29429	0.1680
2	3.234	BB	0.1271	6961.75635	872.34259	99.6886
3	4.864	BBA	0.1357	10.01542	1.17141	0.1434

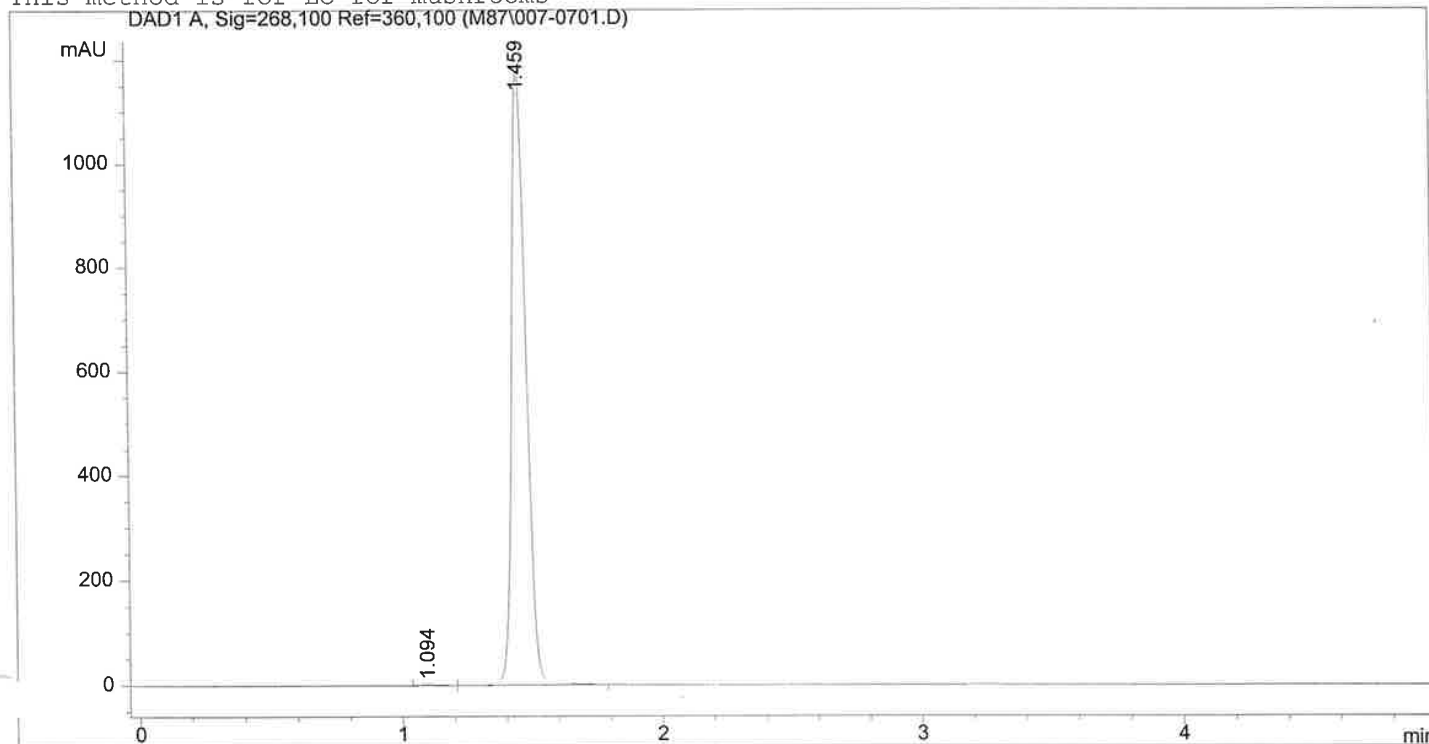
Totals : 6983.50530 876.80829

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*** End of Report ***

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Injection Date	: 3/28/13 8:34:41 PM	Seq. Line	: 7
Sample Name	: LRA-C	Location	: Vial 7
Acq. Operator	: LAURA ADAMS	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms



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Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.094	BP	0.0568	7.79106	2.02887	0.1721
2	1.459	VB	0.0604	4517.99854	1187.54846	99.8279

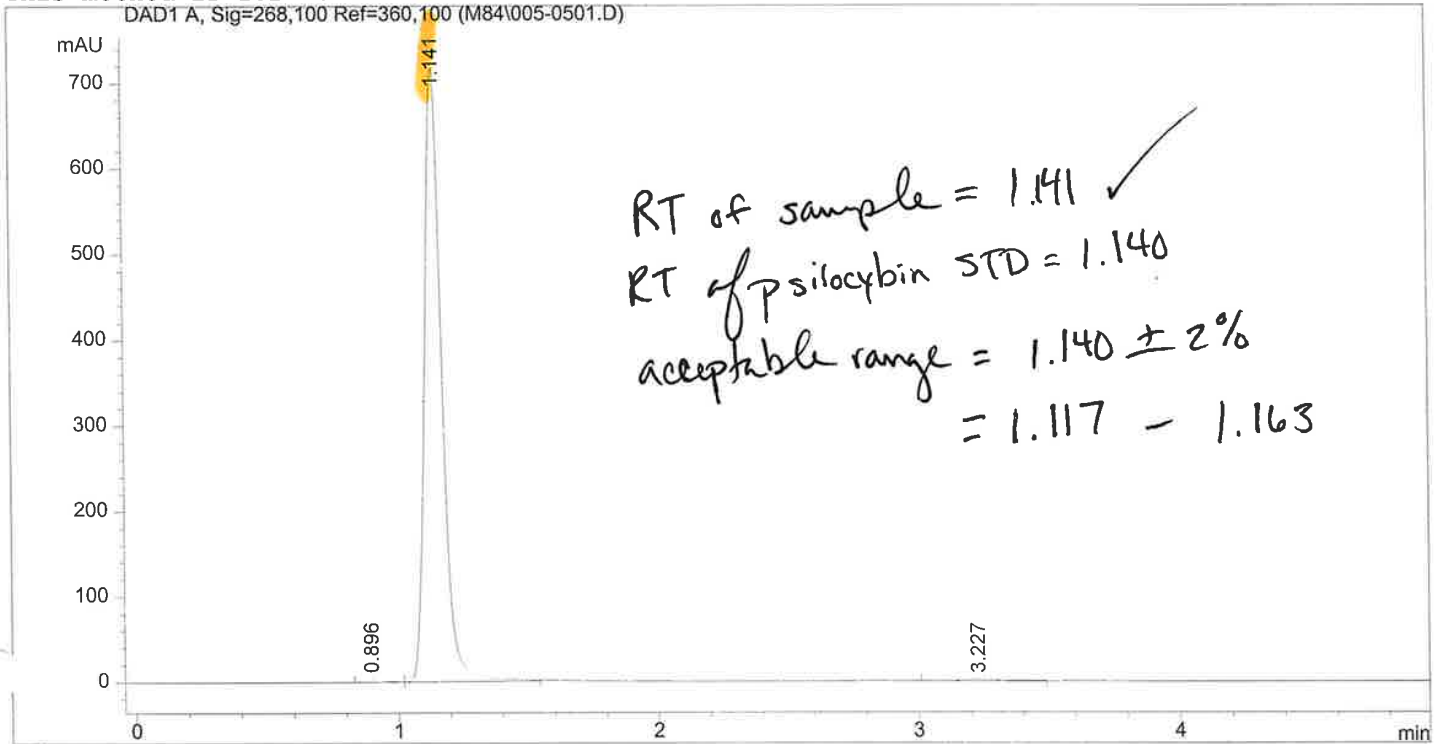
Totals : 4525.78960 1189.57733

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*** End of Report ***
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=====
Injection Date   : 3/28/13 8:49:10 AM      Seq. Line :    5
Sample Name     : EMC-A                  Location  : Vial 5
Acq. Operator   : EMC                      Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method          : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed    : 3/28/13 8:50:09 AM by EMC
                  (modified after loading)
This method is for LC for mushrooms
  
```



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Area Percent Report
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```

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.896	PV	0.0588	18.31742	4.56331	0.5556
2	1.141	VB	0.0688	3260.44897	721.01019	98.9010
3	3.227	VP	0.1038	17.91223	2.68563	0.5433

Totals : 3296.67862 728.25913

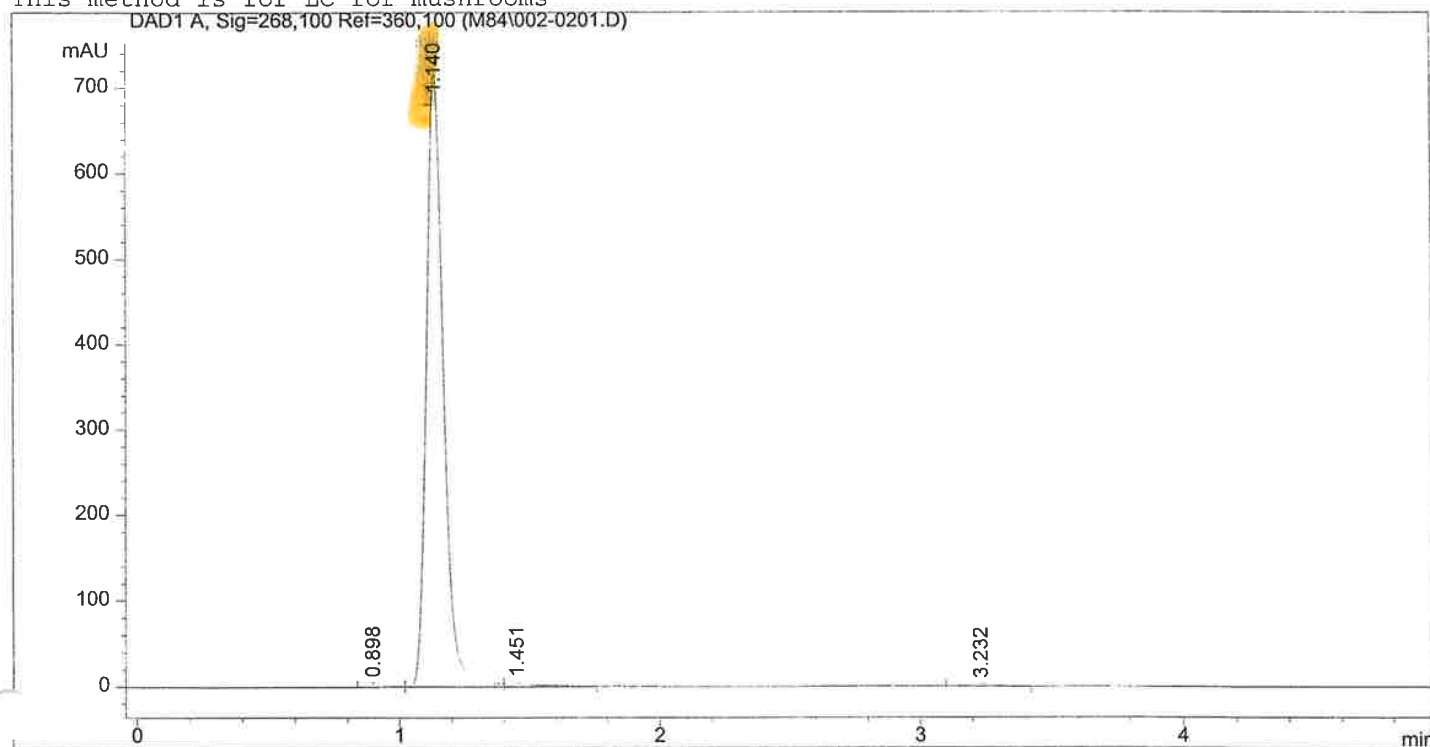
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*** End of Report ***
  
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Injection Date	: 3/28/13 8:30:44 AM	Seq. Line	: 2
Sample Name	: psilocybin std	Location	: Vial 2
Acq. Operator	: EMC	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.898	BV	0.0642	20.29471	4.72095	0.6045
2	1.140	VV	0.0690	3272.65894	720.80273	97.4872
3	1.451	VB	0.1236	47.53130	5.06119	1.4159
4	3.232	BP	0.1057	16.53057	2.48122	0.4924

Totals : 3357.01552 733.06610

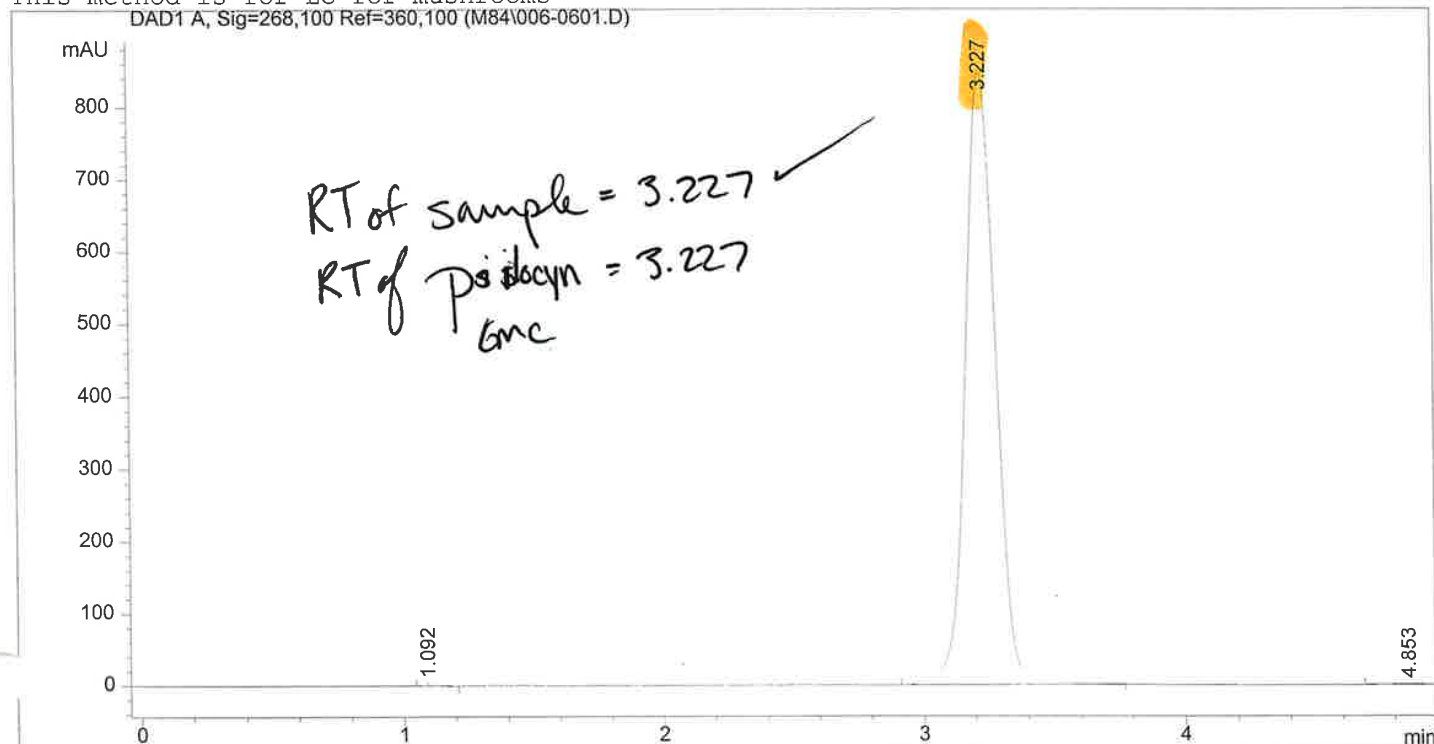
=====
*** End of Report ***

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Injection Date	: 3/28/13 8:55:21 AM	Seq. Line	: 6
Sample Name	: EMC-B	Location	: Vial 6
Acq. Operator	: EMC	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/28/13 8:55:16 AM by EMC
(modified after loading)

This method is for LC for mushrooms



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

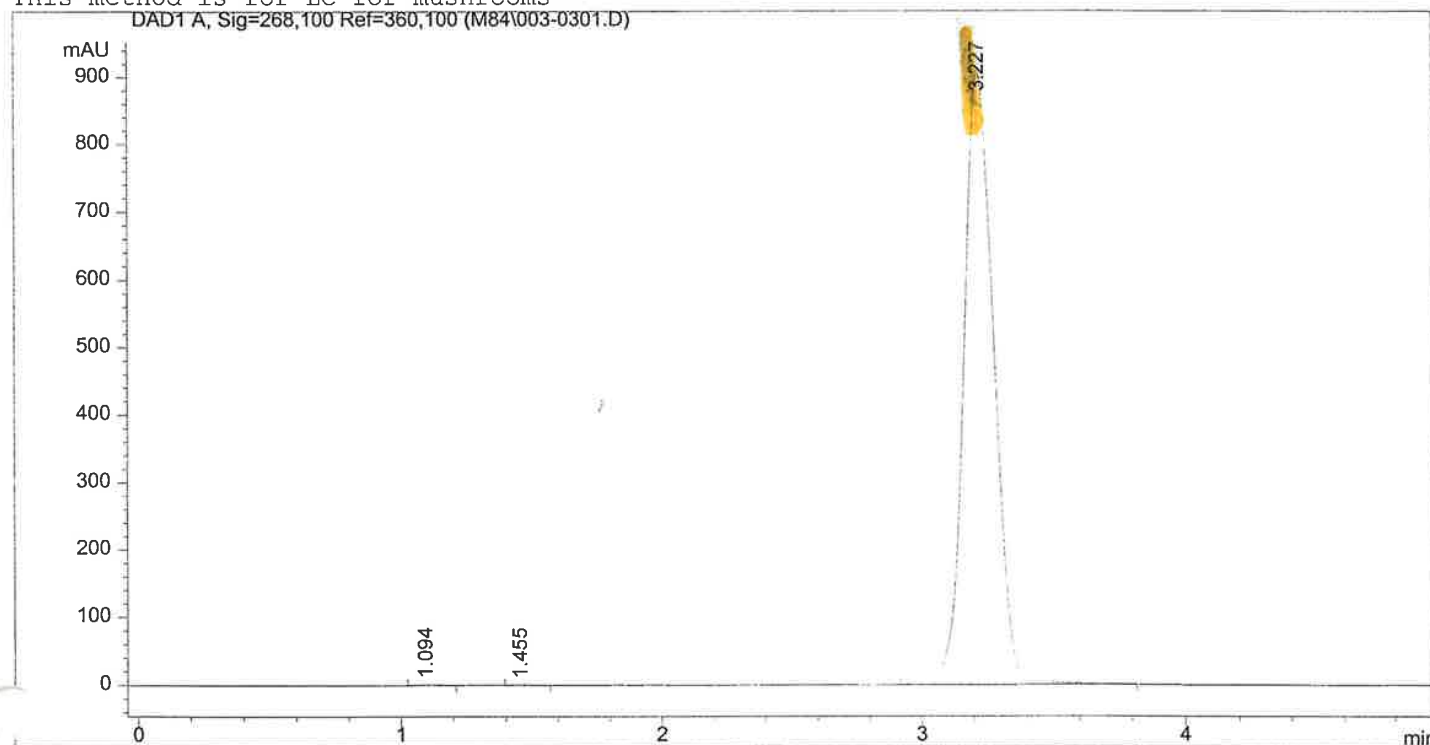
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0544	12.15221	3.34575	0.1785
2	3.227	PB	0.1272	6787.52393	849.94727	99.6910
3	4.853	BBA	0.1353	8.88798	1.02393	0.1305

Totals : 6808.56412 854.31695

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

```
=====
Injection Date   : 3/28/13 8:36:52 AM      Seq. Line   :    3
Sample Name      : Psilocyn std            Location    : Vial 3
Acq. Operator    : EMC                    Inj         :    1
                                           Inj Volume  : 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms
=====
```



```
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                          Area Percent Report
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```

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

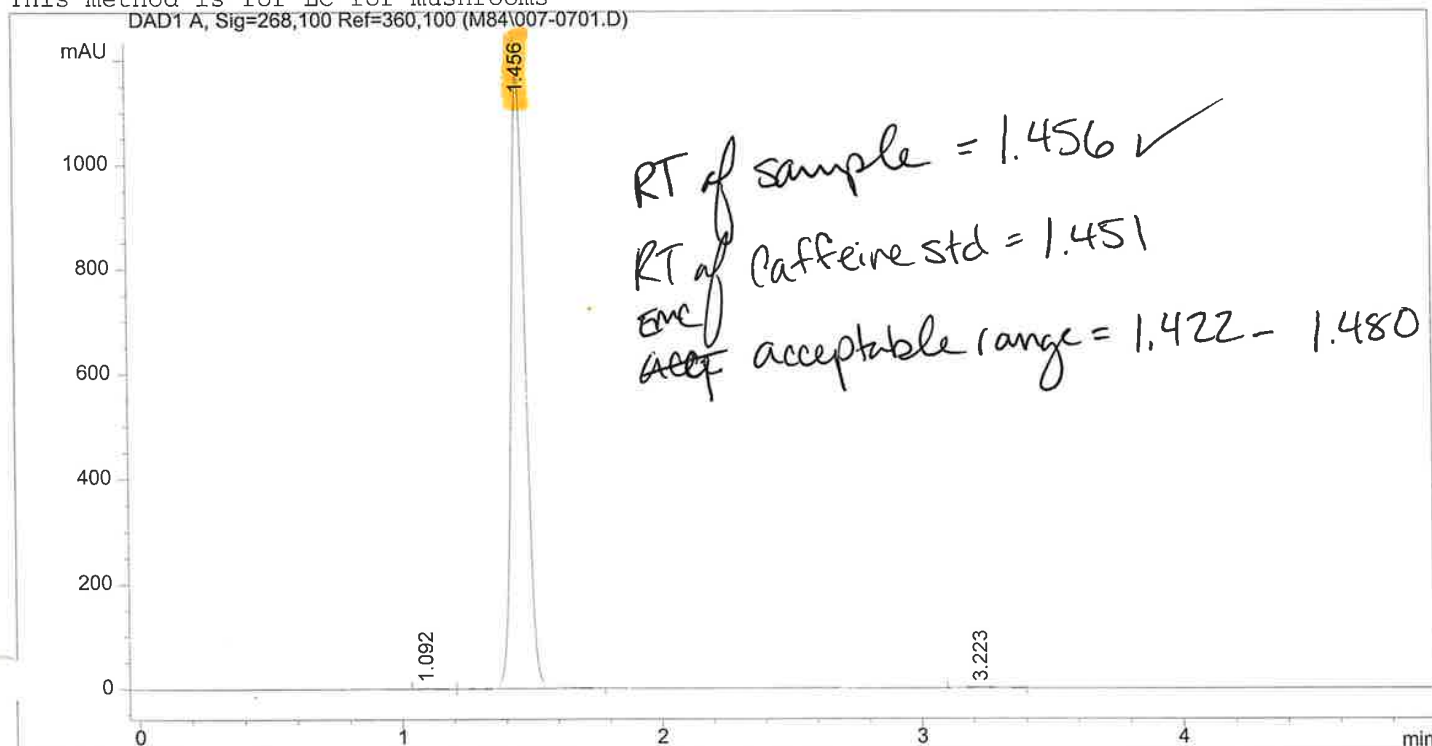
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.094	BP	0.0696	12.93144	2.61775	0.1777
2	1.455	VP	0.0694	8.04644	1.75921	0.1105
3	3.227	BB	0.1272	7257.67480	908.77460	99.7118

Totals : 7278.65268 913.15156

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

```
=====
Injection Date   : 3/28/13 9:01:31 AM      Seq. Line :    7
Sample Name     : EMC-C                   Location  : Vial 7
Acq. Operator   : EMC                     Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method          : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed    : 3/28/13 9:01:26 AM by EMC
                  (modified after loading)
This method is for LC for mushrooms
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0592	8.81252	2.17753	0.1959
2	1.456	VB	0.0603	4479.61865	1180.79346	99.5771
3	3.223	BB	0.1041	10.21428	1.48823	0.2271

Totals : 4498.64545 1184.45921

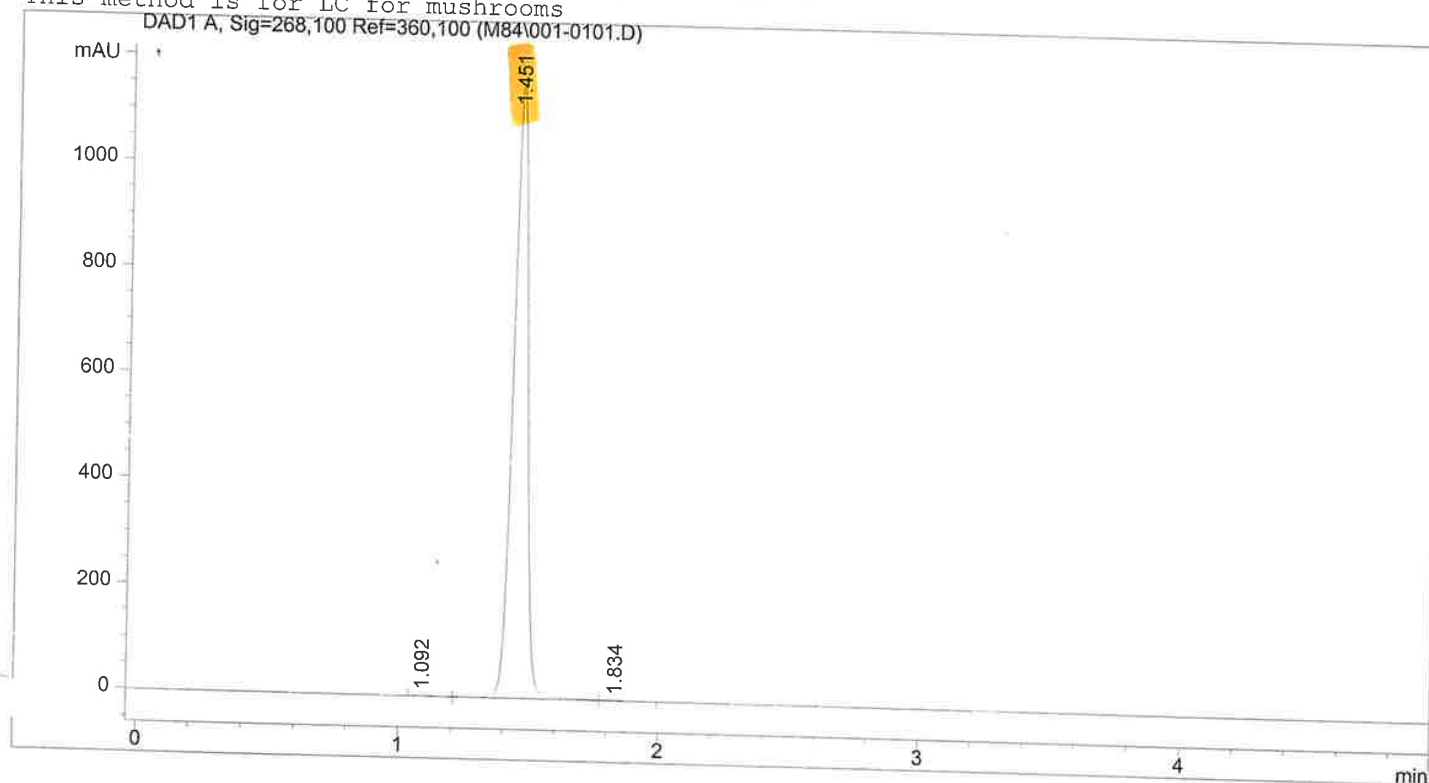
```
=====
*** End of Report ***
=====
```

Injection Date : 3/28/13 8:24:35 AM Seq. Line : 1
Sample Name : Caffeine std Location : Vial 1
Acq. Operator : EMC Inj : 1

Inj Volume : 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn

This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0555	8.69870	2.33194	0.1945
2	1.451	VB	0.0606	4454.62061	1165.18823	99.6264
3	1.834	BB	0.0980	8.00498	1.11150	0.1790

Totals : 4471.32428 1168.63167

*** End of Report ***

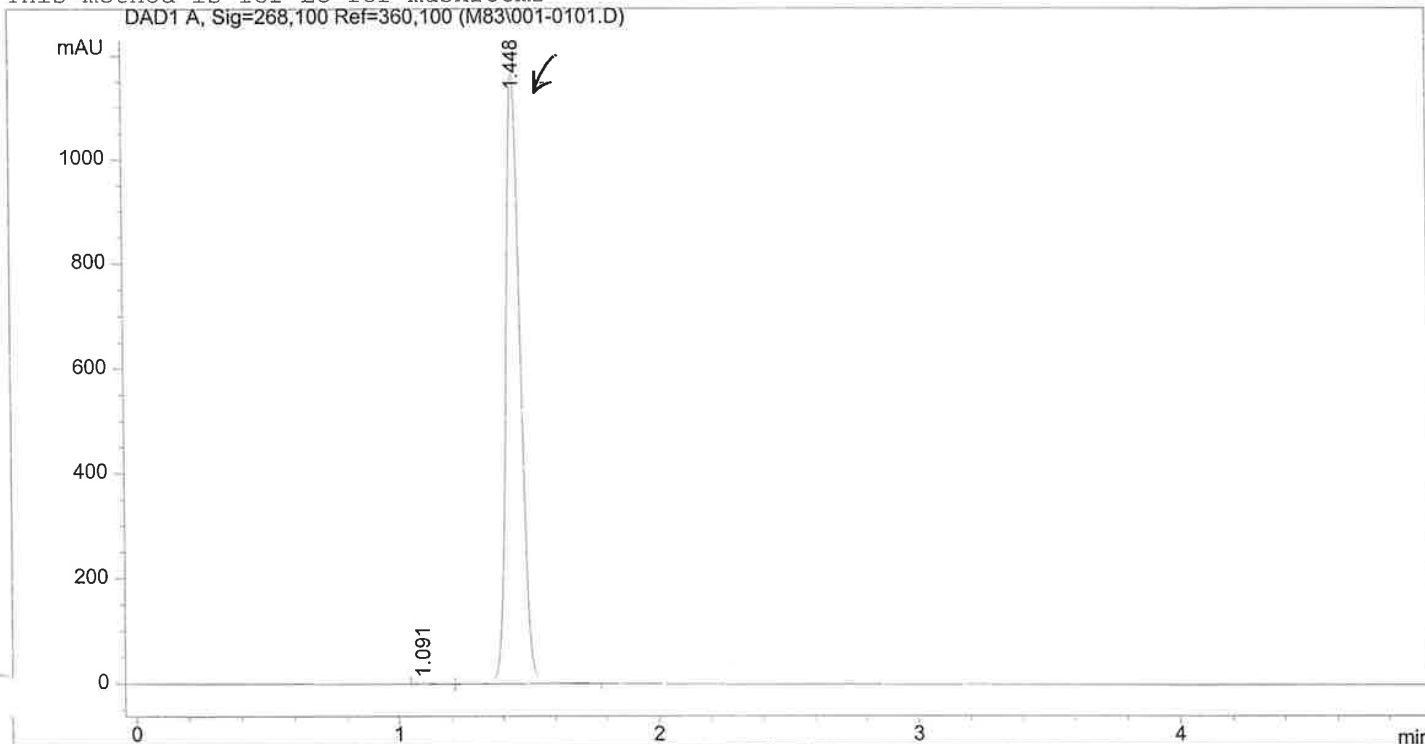
=====

Injection Date	: 3/27/13 9:50:38 AM	Seq. Line	: 1
Sample Name	: Caffeine std	Location	: Vial 1
Acq. Operator	: Laura Cole	Inj	: 1
		Inj Volume	: 5 µl

=====

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M83\001-0101.D)



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0545	9.54265	2.61705	0.2134
2	1.448	VB	0.0602	4462.00732	1178.06104	99.7866

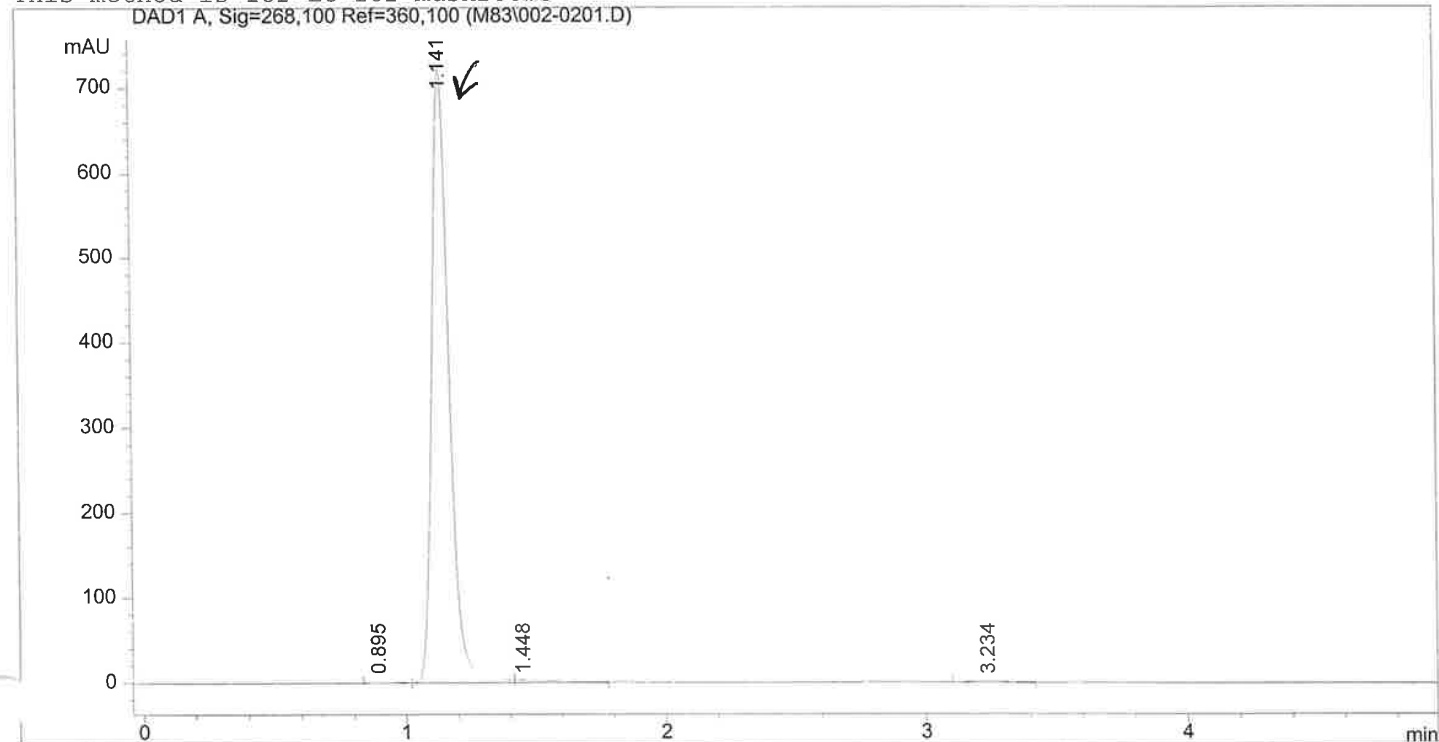
Totals : 4471.54997 1180.67809

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

Injection Date : 3/27/13 9:56:47 AM Seq. Line : 2
Sample Name : psilocybin std Location : Vial 2
Acq. Operator : Laura Cole Inj : 1
Inj Volume : 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M83\002-0201.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.895	PV	0.0626	20.46185	4.91560	0.6068
2	1.141	VV	0.0690	3298.25977	725.48462	97.8156
3	1.448	VB	0.1484	38.98241	3.38453	1.1561
4	3.234	BP	0.1034	14.21114	2.14276	0.4215

Totals : 3371.91517 735.92750

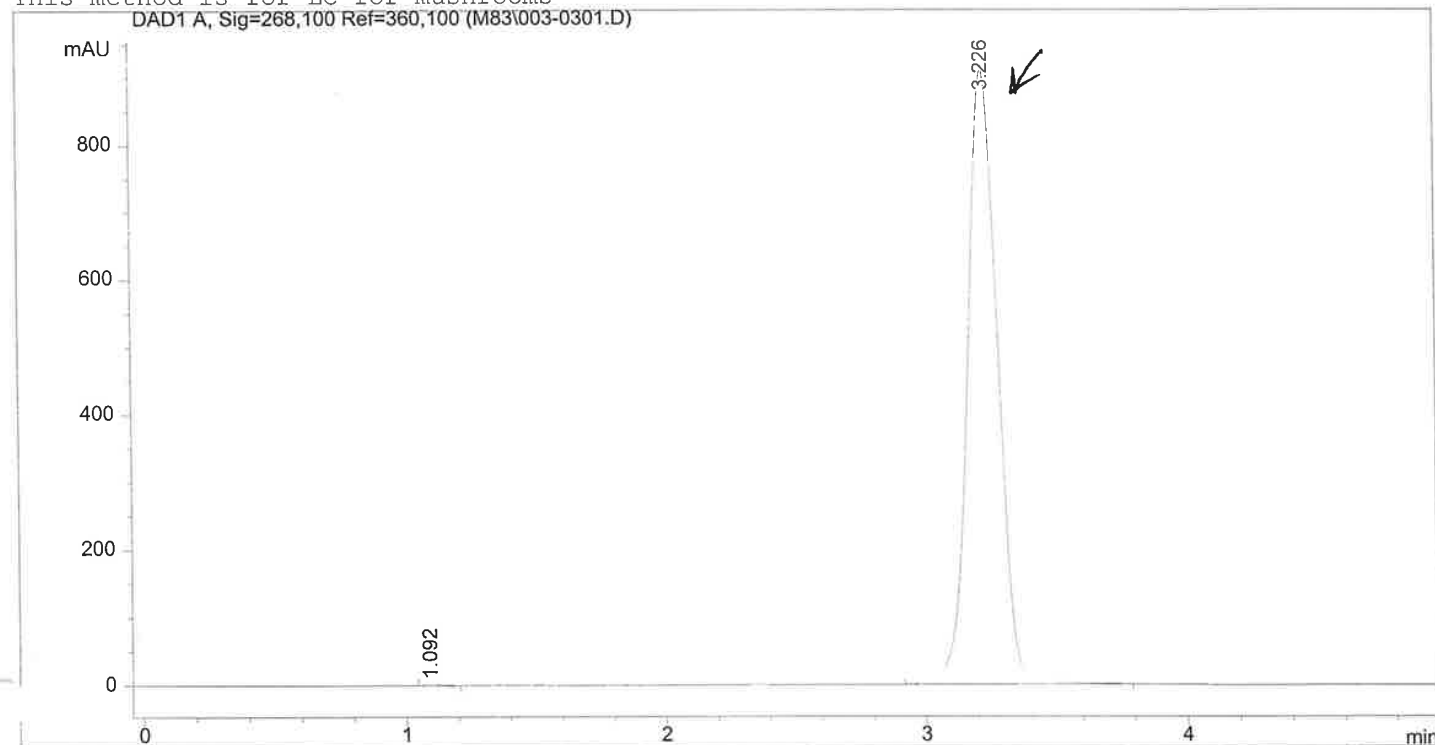
*** End of Report ***

=====

Injection Date	: 3/27/13 10:02:57 AM	Seq. Line	: 3
Sample Name	: Psilocyn std	Location	: Vial 3
Acq. Operator	: Laura Cole	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

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3/27/13



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0577	9.88057	2.52041	0.1361
2	3.226	BB	0.1248	7249.55176	911.48358	99.8639

Totals : 7259.43233 914.00399

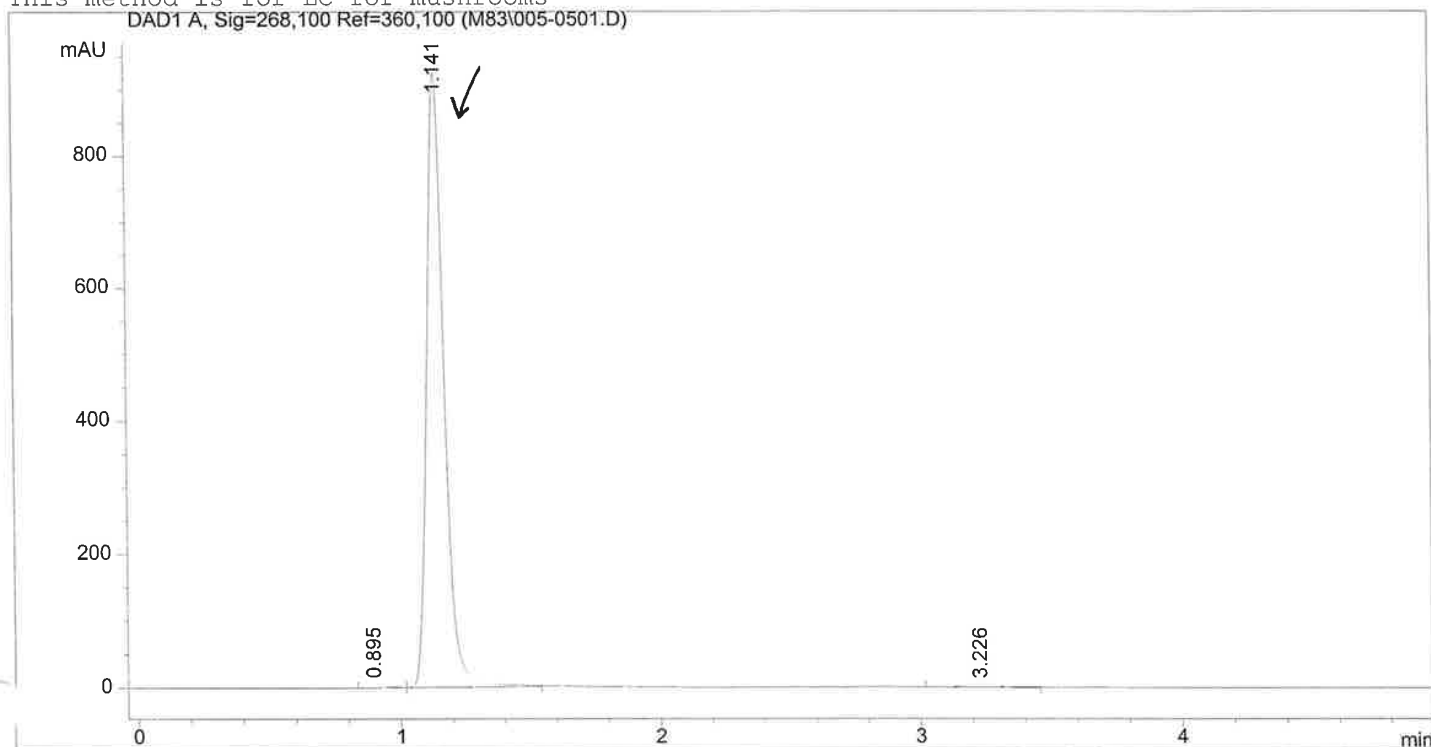
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*** End of Report ***
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Injection Date	: 3/27/13 10:15:14 AM	Seq. Line	: 5
Sample Name	: LC-A	Location	: Vial 5
Acq. Operator	: Laura Cole	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

Psilocybin
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3/21/13



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.895	PV	0.0597	26.43011	6.74156	0.6166
2	1.141	VB	0.0692	4223.06494	925.67566	98.5274
3	3.226	VP	0.1063	36.68934	5.33384	0.8560

Totals : 4286.18439 937.75107

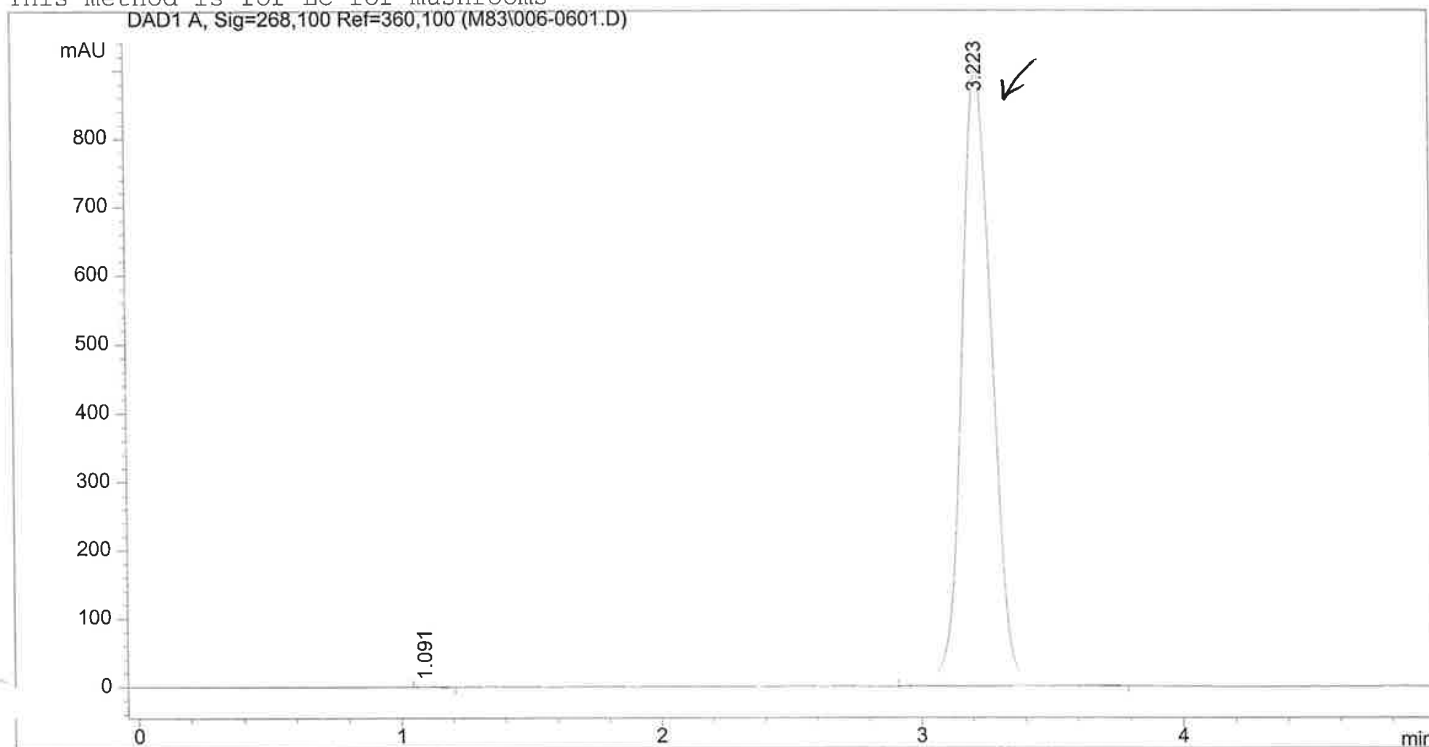
=====
*** End of Report ***

=====

Injection Date	: 3/27/13 10:21:25 AM	Seq. Line	: 6
Sample Name	: LC-B	Location	: Vial 6
Acq. Operator	: Laura Cole	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

psilocybin
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3/27/13



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0543	11.27736	3.10887	0.1555
2	3.223	BB	0.1281	7242.20313	897.57184	99.8445

Totals : 7253.48049 900.68070

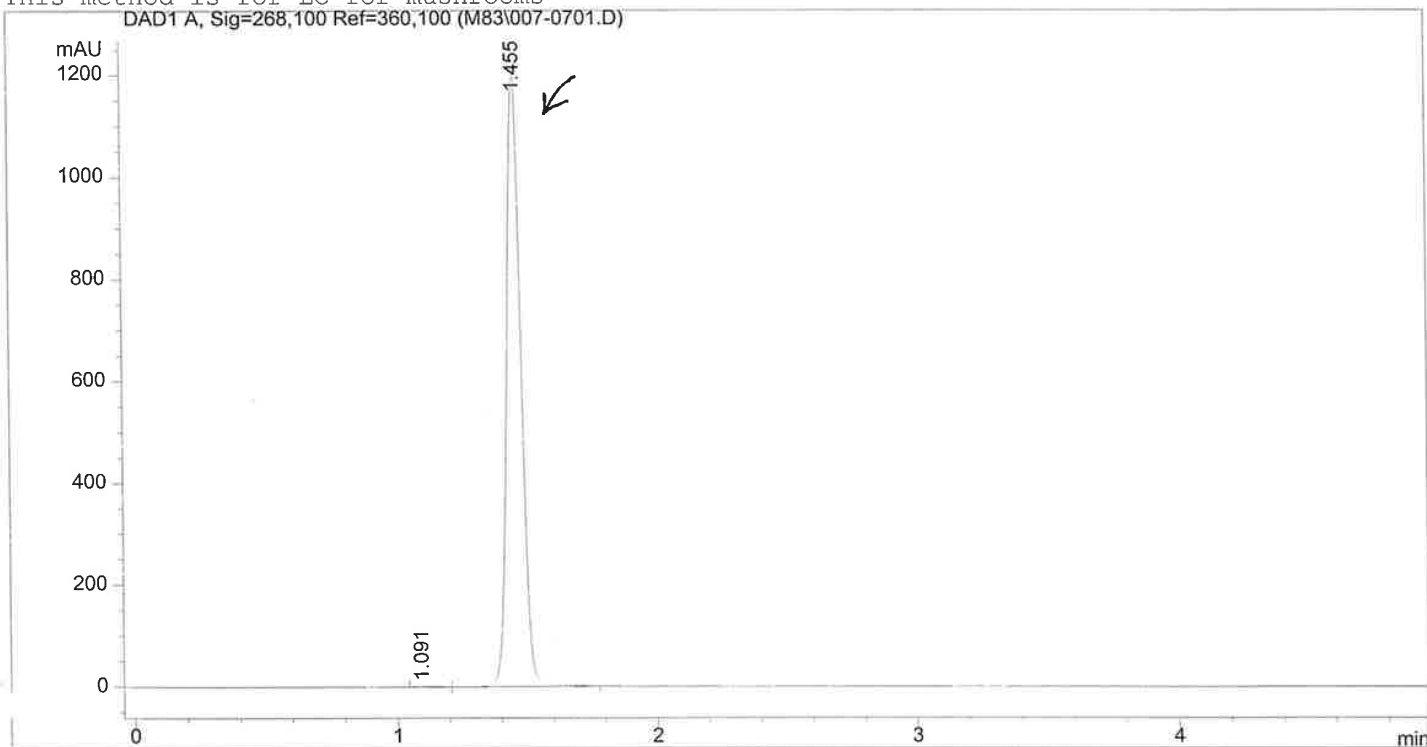
=====
*** End of Report ***

=====

Injection Date	: 3/27/13 10:27:35 AM	Seq. Line	: 7
Sample Name	: LC-C	Location	: Vial 7
Acq. Operator	: Laura Cole	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC_MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC_MUSH.M		
Last changed	: 3/22/13 2:02:00 PM by Glen Jay Glenn		
This method is for LC for mushrooms			

DAD1 A, Sig=268,100 Ref=360,100 (M83\007-0701.D)

Caffeine
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3/27/13



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0580	8.55717	2.16976	0.1866
2	1.455	VB	0.0582	4578.09717	1208.69507	99.8134

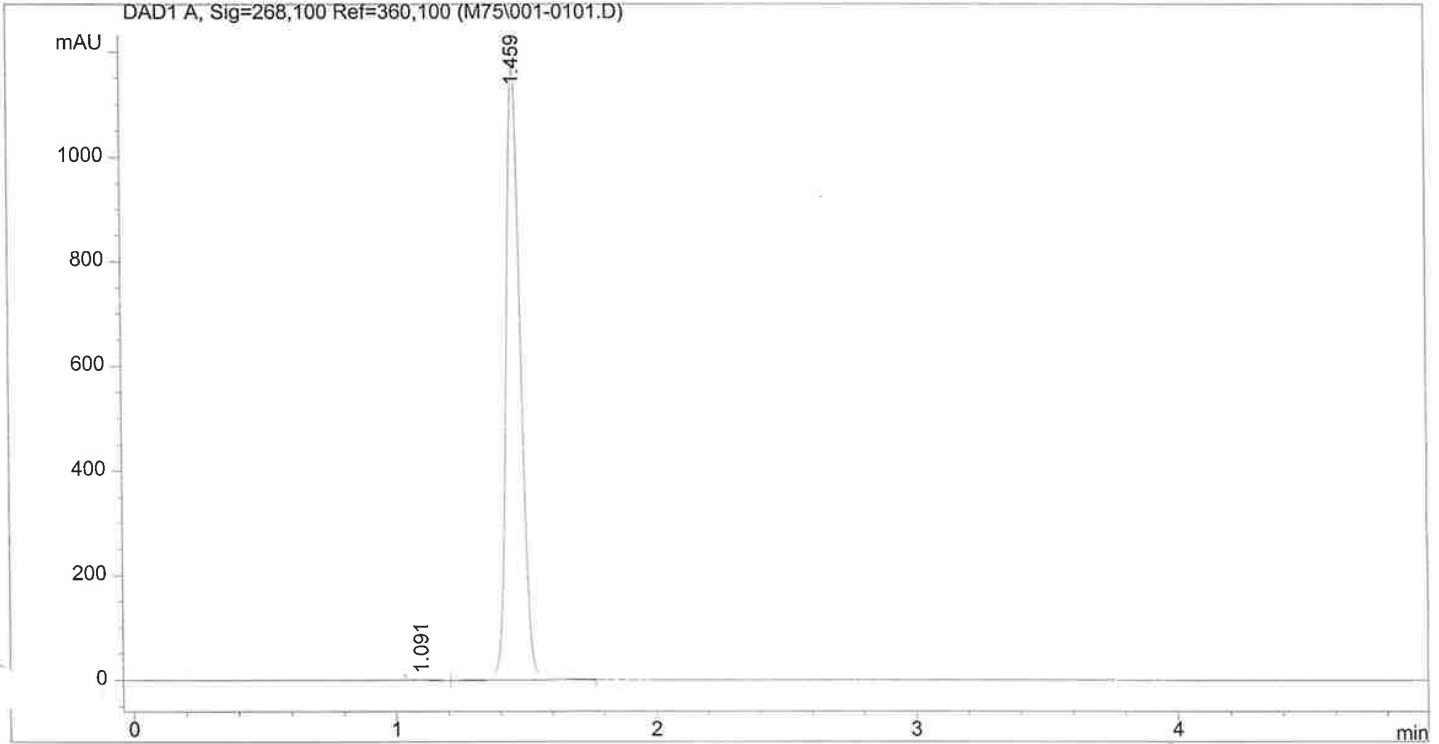
Totals : 4586.65434 1210.86483

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

Injection Date	: 3/22/13 11:07:27 AM	Seq. Line	: 1
Sample Name	: Caffeine std	Location	: Vial 1
Acq. Operator	: Glenn Everett	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC_MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC_MUSH.M		
Last changed	: 3/21/13 4:21:16 PM by LAURA ADAMS		
This method is for LC for mushrooms			

DAD1 A, Sig=268,100 Ref=360,100 (M75\001-0101.D)



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

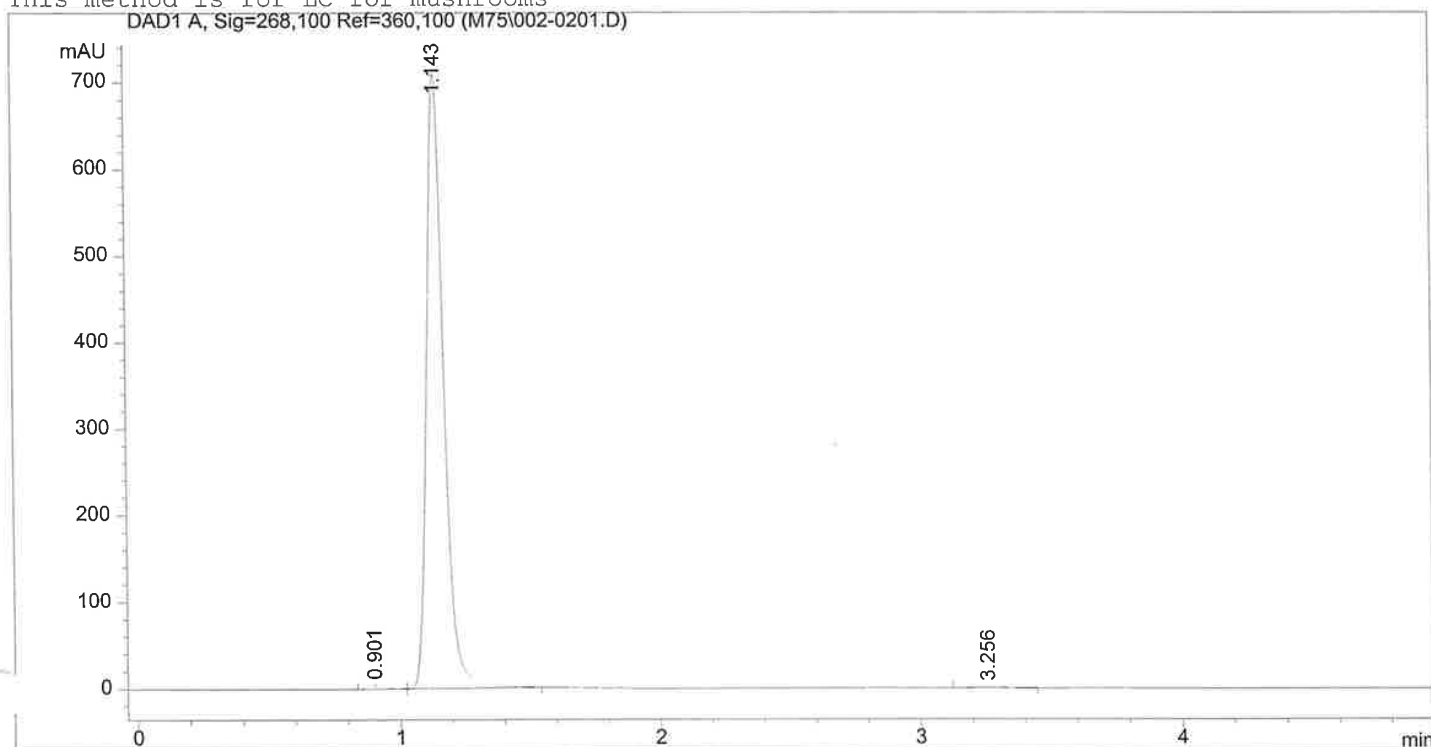
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0535	9.74132	2.74162	0.2177
2	1.459	VB	0.0583	4464.67529	1174.60608	99.7823

Totals : 4474.41662 1177.34770

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

```
=====
Injection Date   : 3/22/13 11:13:38 AM      Seq. Line :    2
Sample Name      : Psilocybin std           Location  : Vial 2
Acq. Operator    : Glenn Everett            Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M75\002-0201.D)
=====
```



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                        Area Percent Report
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```

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

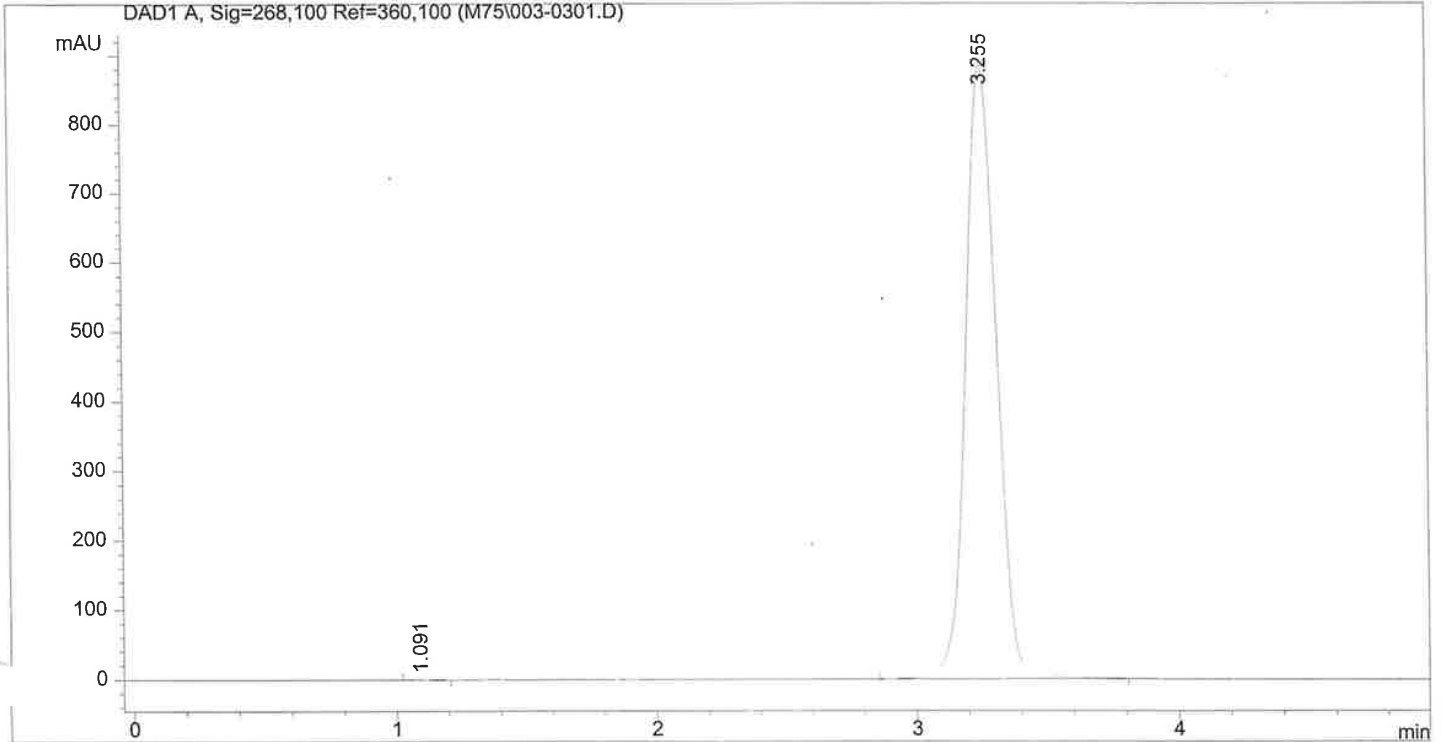
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PV	0.0595	17.82537	4.57552	0.5533
2	1.143	VB	0.0684	3192.09155	710.48871	99.0780
3	3.256	BP	0.1056	11.88012	1.78582	0.3687

Totals : 3221.79703 716.85004

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

```
=====
Injection Date   : 3/22/13 11:19:47 AM      Seq. Line :    3
Sample Name      : Psilocyn std             Location  : Vial 3
Acq. Operator    : Glenn Everett            Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M75\003-0301.D)
=====
```



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

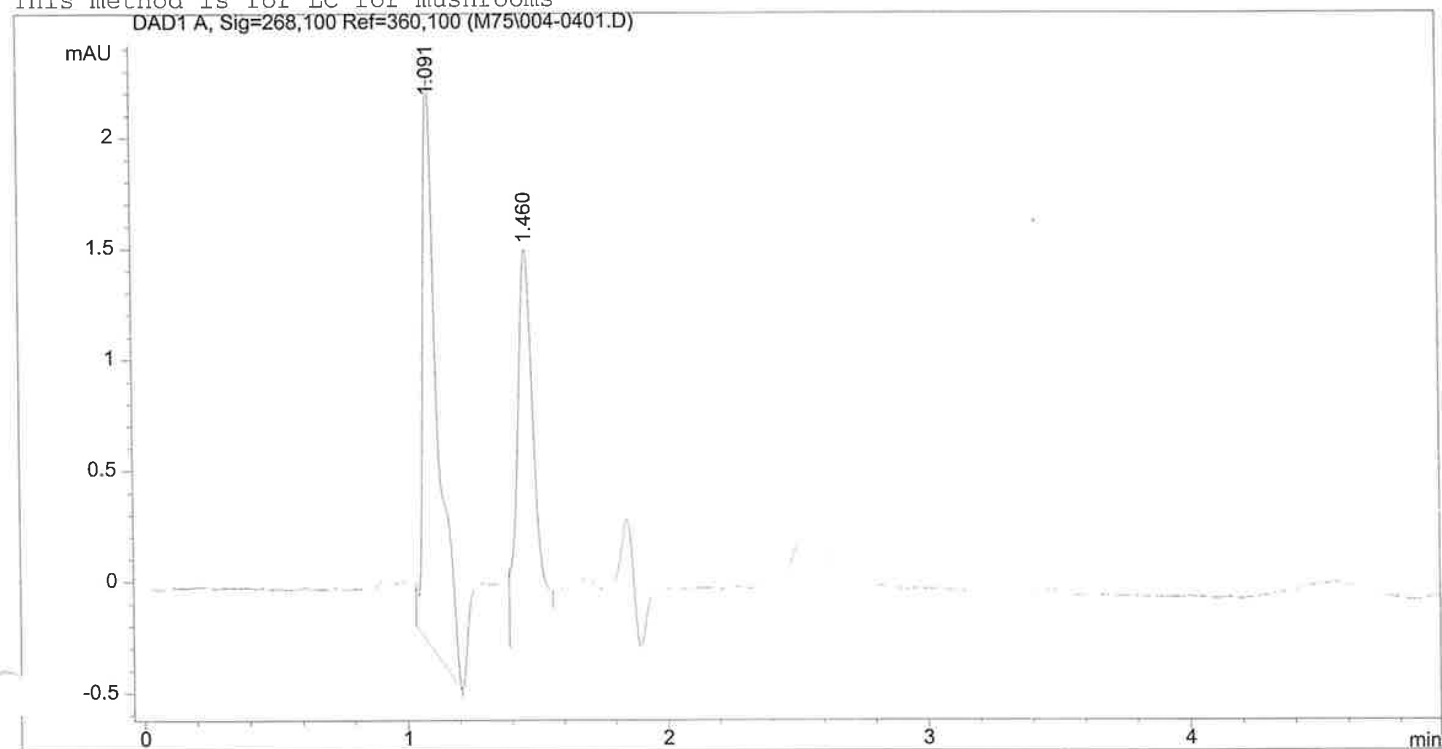
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0561	10.40682	2.88059	0.1441
2	3.255	BB	0.1290	7212.18359	885.82037	99.8559

```
Totals :                      7222.59041  888.70096
```

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

```
=====
Injection Date   : 3/22/13 11:25:56 AM      Seq. Line :    4
Sample Name      : Blank                    Location  : Vial 4
Acq. Operator    : Glenn Everett            Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M75\004-0401.D)
=====
```



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=====
                          Area Percent Report
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```

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0568	9.88624	2.57429	57.2820
2	1.460	BB	0.0640	7.37264	1.72149	42.7180

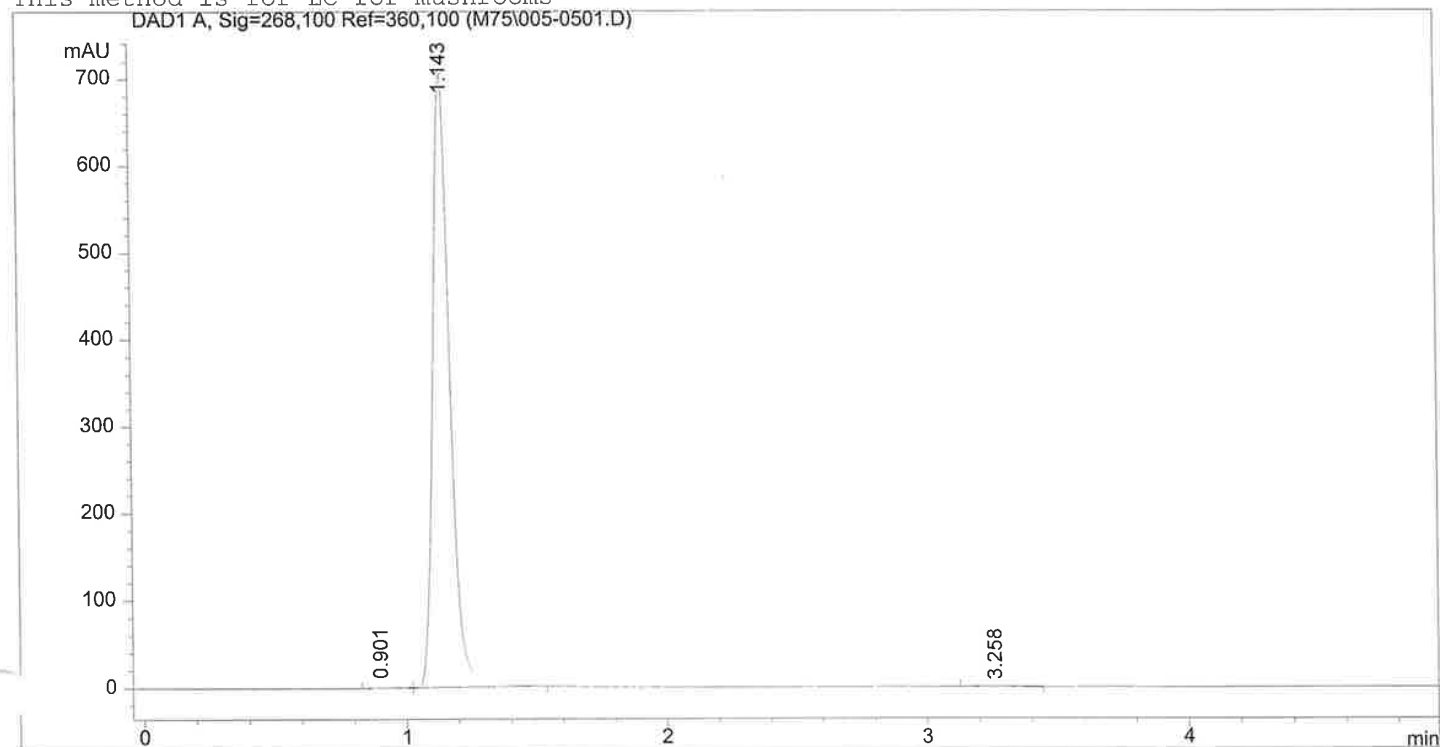
Totals : 17.25888 4.29579

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

```

=====
Injection Date   : 3/22/13 11:32:06 AM      Seq. Line :    5
Sample Name     : A                        Location  : Vial 5
Acq. Operator   : Glenn Everett             Inj       :    1
                                           Inj Volume: 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method          : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed    : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is  : for LC for mushrooms
=====

```



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=====
                          Area Percent Report
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```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution      :      1.0000

```

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PP	0.0593	17.47986	4.50171	0.5456
2	1.143	VB	0.0684	3174.21411	706.08099	99.0772
3	3.258	BP	0.1042	12.08327	1.80318	0.3772

```
Totals :                3203.77725  712.38589
```

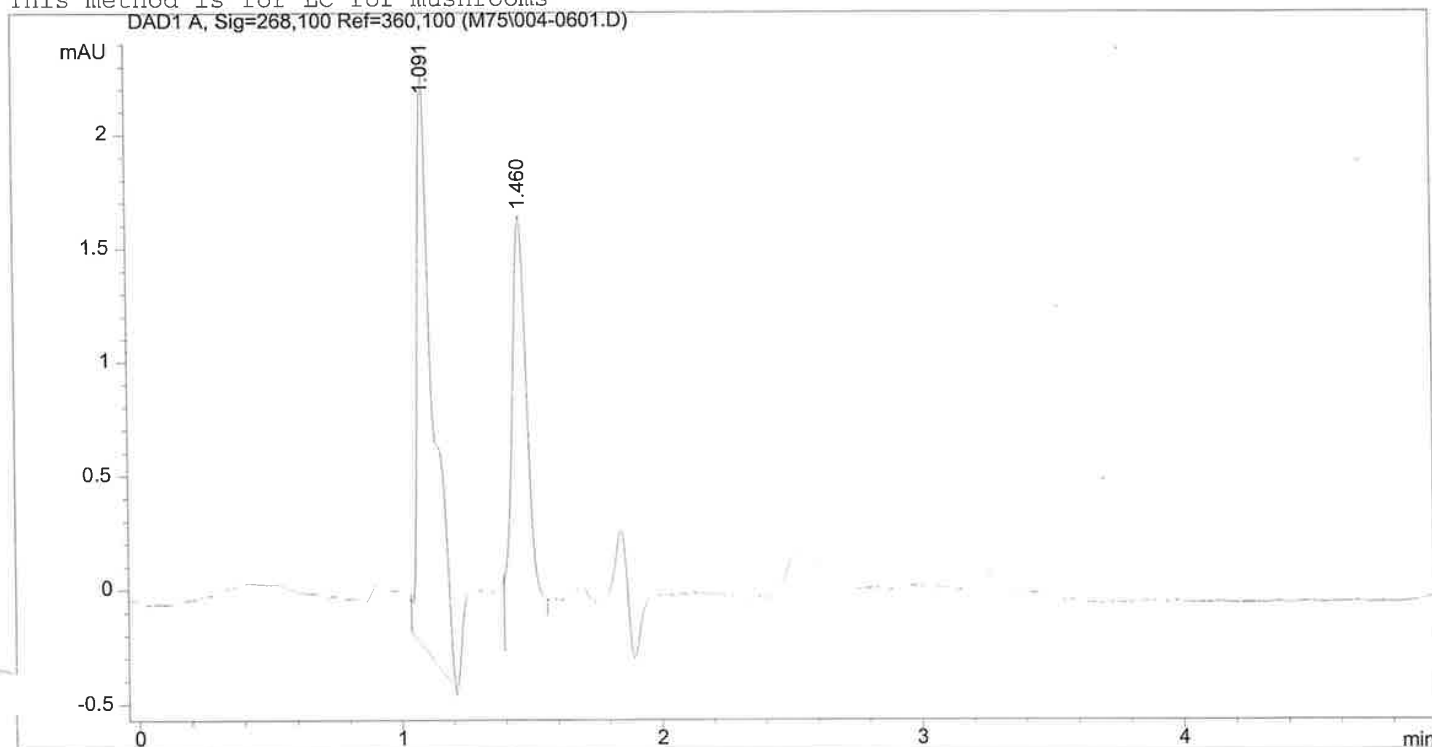
```

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

```

```
=====
Injection Date   : 3/22/13 11:38:16 AM      Seq. Line :    6
Sample Name      : Blank                    Location  : Vial 4
Acq. Operator    : Glenn Everett            Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M75\004-0601.D)
=====
```



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

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

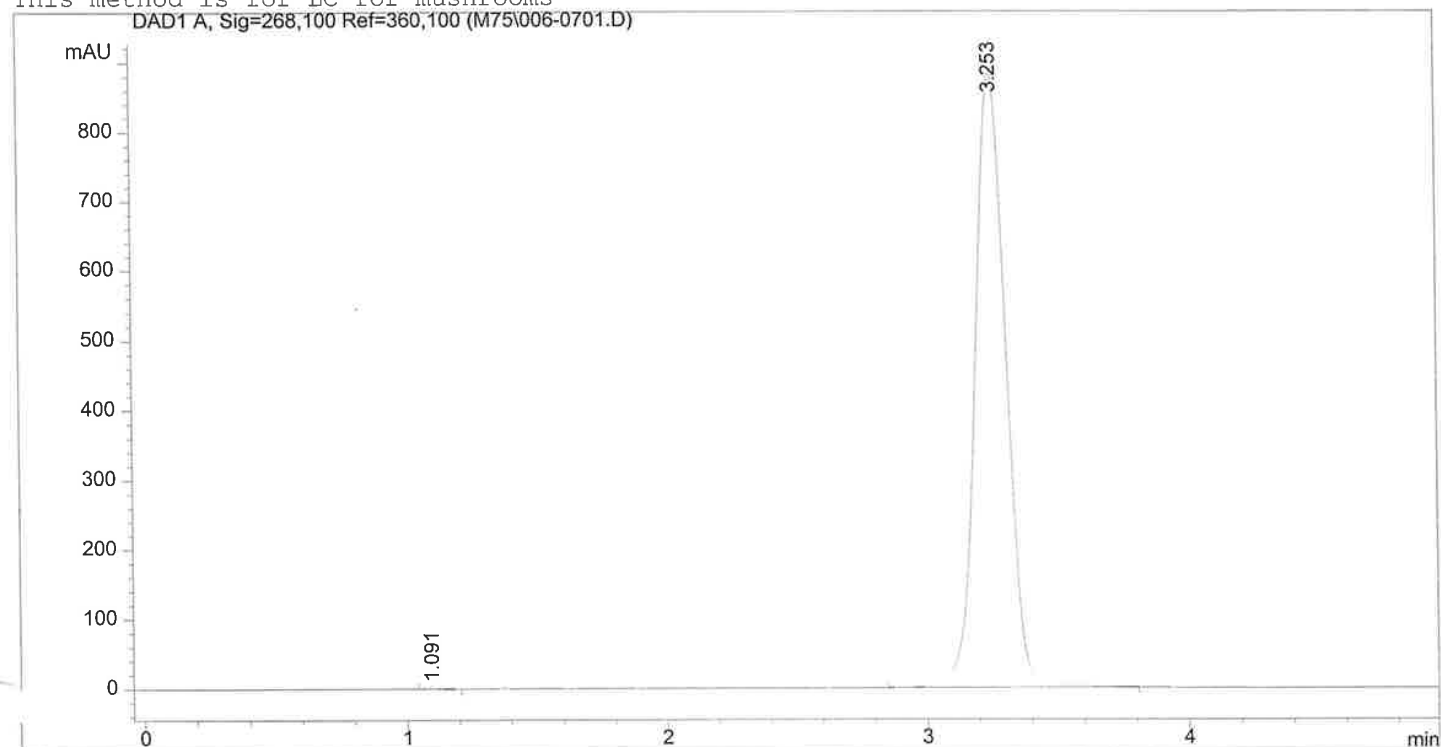
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0603	10.51449	2.54057	57.6967
2	1.460	BB	0.0627	7.70925	1.84672	42.3033

Totals : 18.22375 4.38729

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

```
=====
Injection Date   : 3/22/13 11:44:26 AM      Seq. Line :    7
Sample Name      : B                        Location  : Vial 6
Acq. Operator    : Glenn Everett            Inj       :    1
                                           Inj Volume: 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M75\006-0701.D)
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

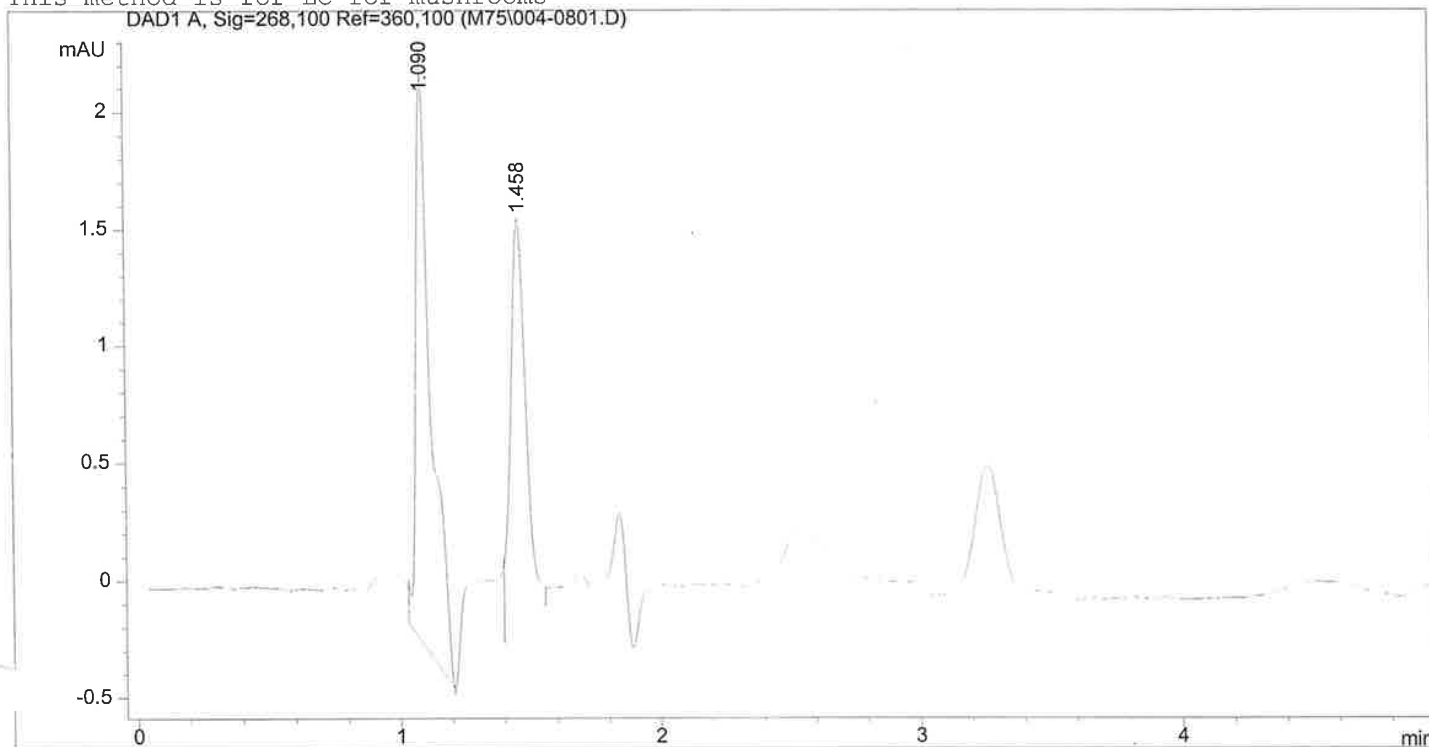
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0544	9.78066	2.69140	0.1358
2	3.253	BB	0.1288	7190.52246	884.53406	99.8642

Totals : 7200.30312 887.22546

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

```
=====
Injection Date   : 3/22/13 11:50:35 AM      Seq. Line   :    8
Sample Name     : Blank                    Location    : Vial 4
Acq. Operator   : Glenn Everett             Inj         :    1
                                           Inj Volume  : 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method          : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed    : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M75\004-0801.D)
=====
```



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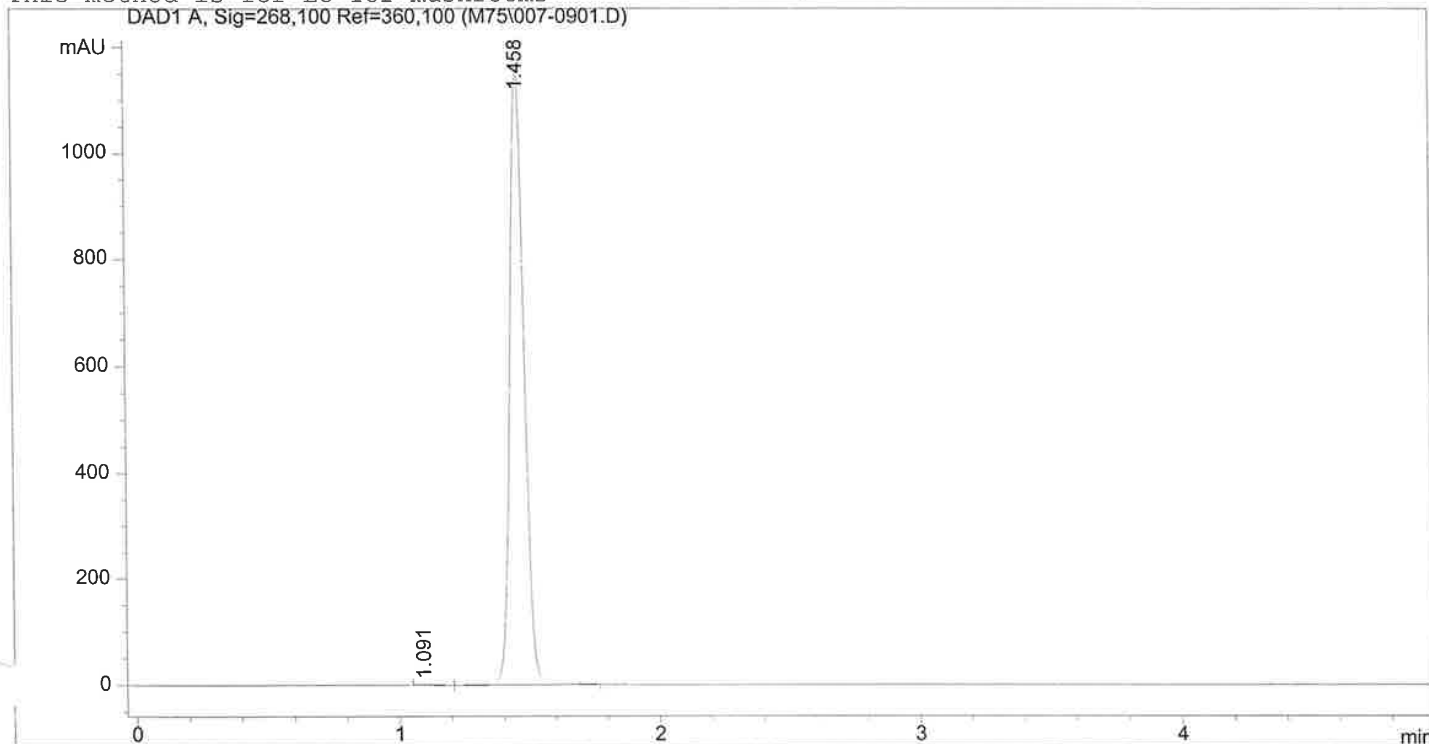
```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
```

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.090	BP	0.0583	9.72280	2.44802	57.2165
2	1.458	BB	0.0624	7.27020	1.75138	42.7835
Totals :				16.99299	4.19940	

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

```
=====
Injection Date   : 3/22/13 11:56:46 AM      Seq. Line :    9
Sample Name      : C                        Location  : Vial 7
Acq. Operator    : Glenn Everett            Inj       :    1
                                           Inj Volume: 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M75\007-0901.D)
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0534	8.56299	2.41171	0.1941
2	1.458	VB	0.0602	4403.35449	1163.32141	99.8059

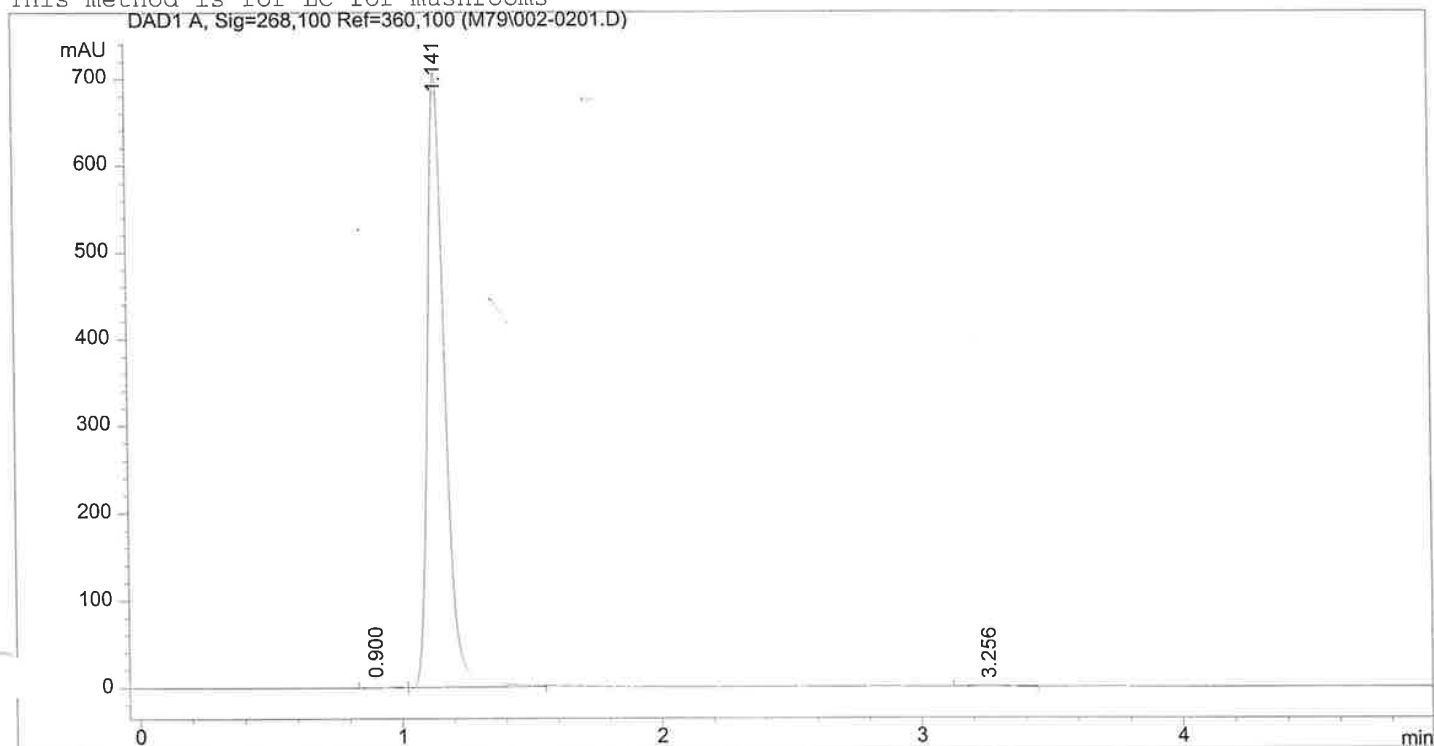
Totals : 4411.91749 1165.73312

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

Answer Key

- A. Psilocybin Alltech Lot # 486 Label O
MeOH Fisher Lot # 52041 Bottle #4
1mg/ml
- B. Psilocyn Alltech Lot # 065 Label C
MeOH Fisher Lot # 52041 Bottle #4
1 mg/ml
- C. Caffeine Eastman Kodak Lot # 355
MeOH Fisher Lot # 52041 Bottle #4
1mg/ml

```
=====
Injection Date   : 3/23/13 11:17:58 AM      Seq. Line :    2
Sample Name      : psilocybin std           Location  : Vial 2
Acq. Operator    : Cassandra Franklin Beavers Inj      :    1
                                           Inj Volume : 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/23/13 11:17:41 AM by Cassandra Franklin Beavers
                  (modified after loading)
This method is for LC for mushrooms
=====
```



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

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

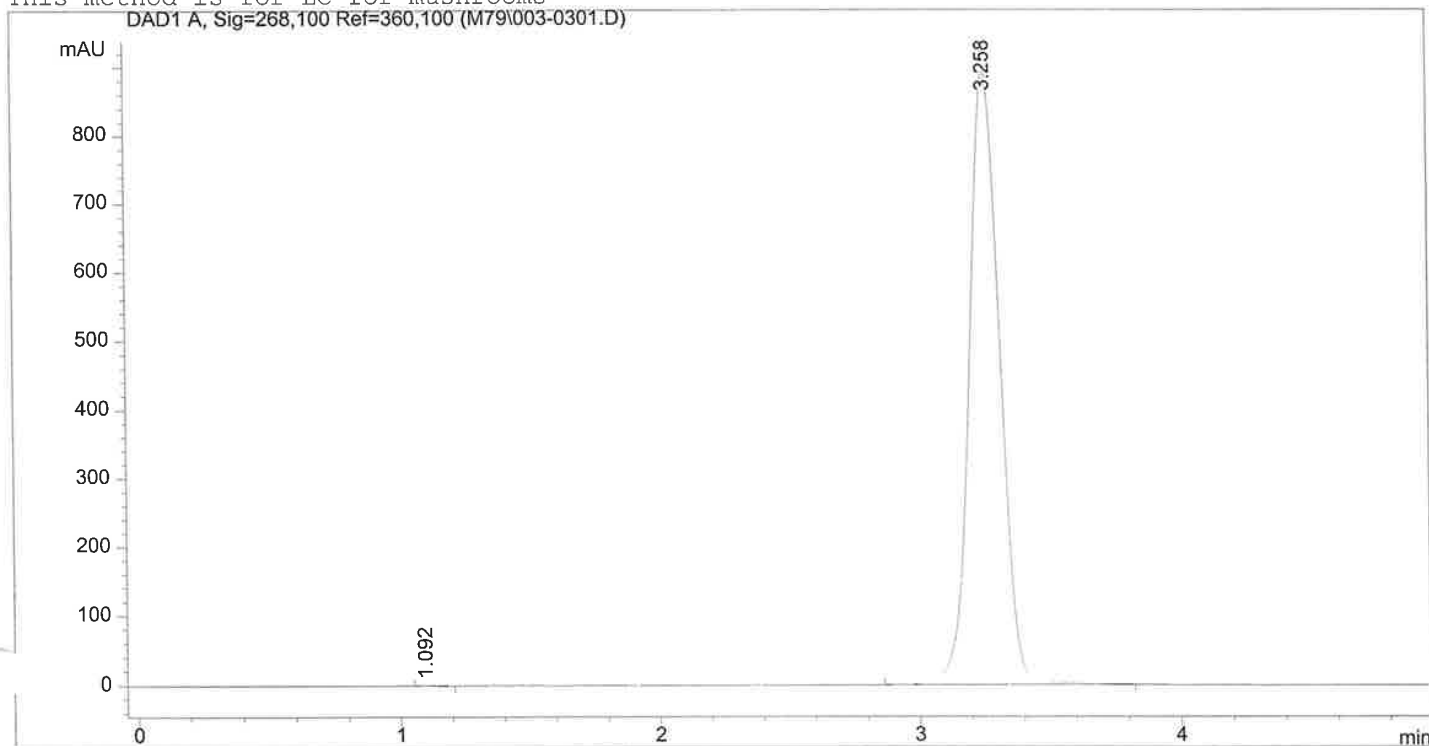
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.900	PV	0.0625	18.47690	4.44723	0.5671
2	1.141	VB	0.0692	3227.60059	708.34265	99.0568
3	3.256	BP	0.1057	12.25492	1.83894	0.3761

Totals : 3258.33241 714.62882

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

```
=====
Injection Date   : 3/23/13 11:24:08 AM      Seq. Line   :    3
Sample Name      : Psilocyn std             Location    : Vial 3
Acq. Operator    : Cassandra Franklin Beavers Inj        :    1
                                           Inj Volume   : 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/23/13 11:23:51 AM by Cassandra Franklin Beavers
                  (modified after loading)
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M79\003-0301.D)
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

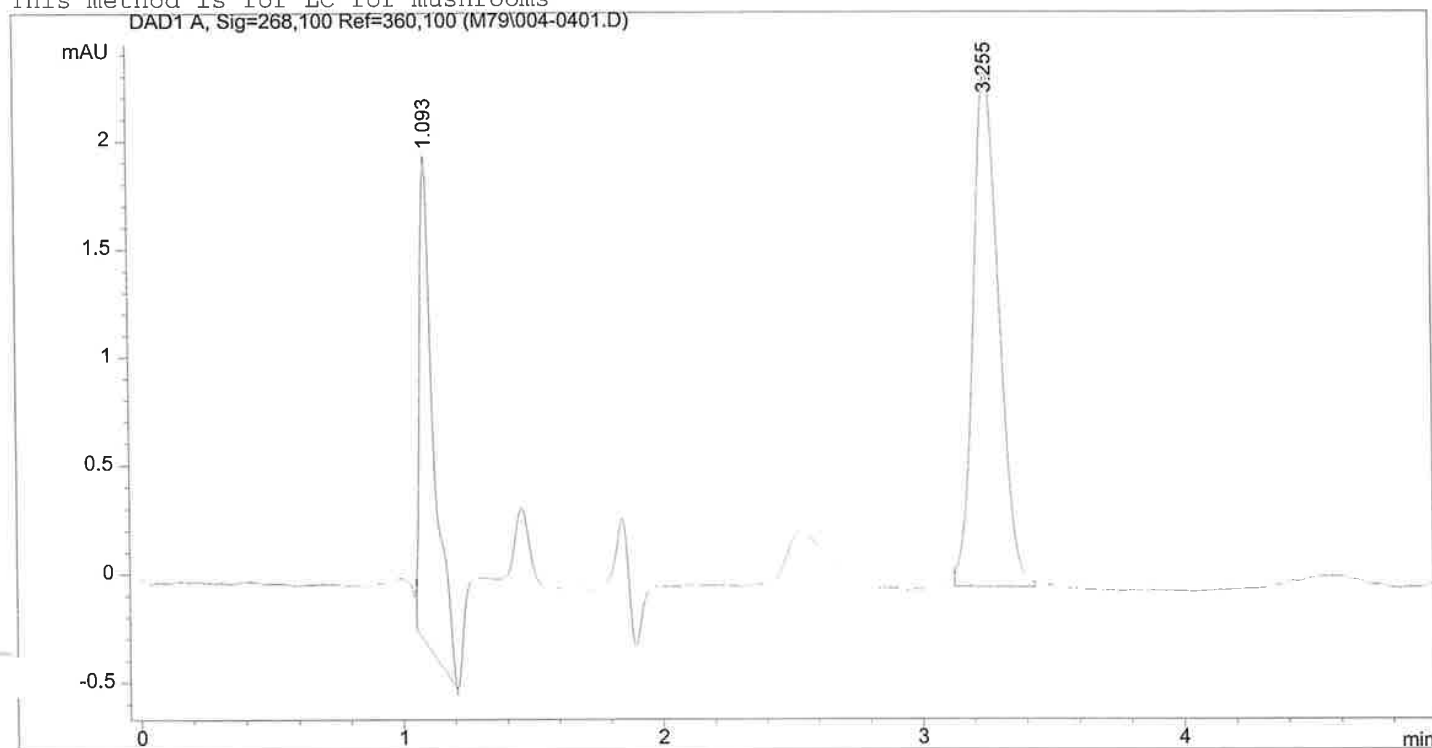
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0550	9.05156	2.45586	0.1254
2	3.258	BB	0.1261	7211.09814	893.88007	99.8746

Totals : 7220.14971 896.33593

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

```
=====
Injection Date   : 3/23/13 11:30:18 AM      Seq. Line :    4
Sample Name      : Blank                    Location  : Vial 4
Acq. Operator    : Cassandra Franklin Beavers Inj       :    1
                                           Inj Volume : 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/23/13 11:30:01 AM by Cassandra Franklin Beavers
                  (modified after loading)
This method is for LC for mushrooms
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0551	8.34337	2.26090	33.9116
2	3.255	BB	0.1057	16.25992	2.37909	66.0884

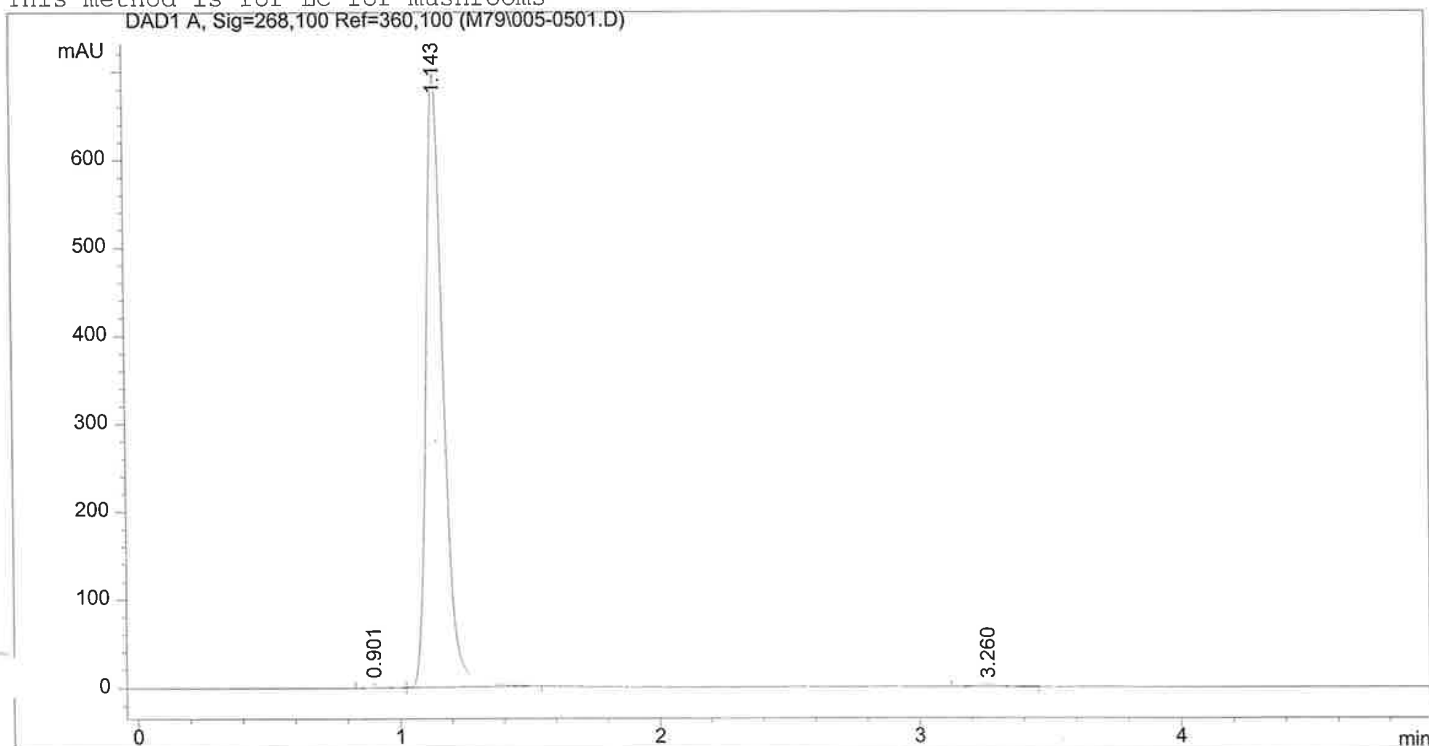
Totals : 24.60329 4.63999

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

```

=====
Injection Date : 3/23/13 11:36:27 AM      Seq. Line : 5
Sample Name    : A                      Location : Vial 5
Acq. Operator  : Cassandra Franklin Beavers Inj : 1
                                           Inj Volume : 5 µl

Sequence File  : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method         : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed   : 3/23/13 11:36:10 AM by Cassandra Franklin Beavers
                  (modified after loading)
This method is for LC for mushrooms
  
```



```

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

```

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

Ⓢ Match - Psilocybin

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PV	0.0602	16.70026	4.21694	0.5222
2	1.143	VB	0.0689	3165.24292	697.50031	98.9691
3	3.260	BP	0.1064	16.26931	2.41985	0.5087

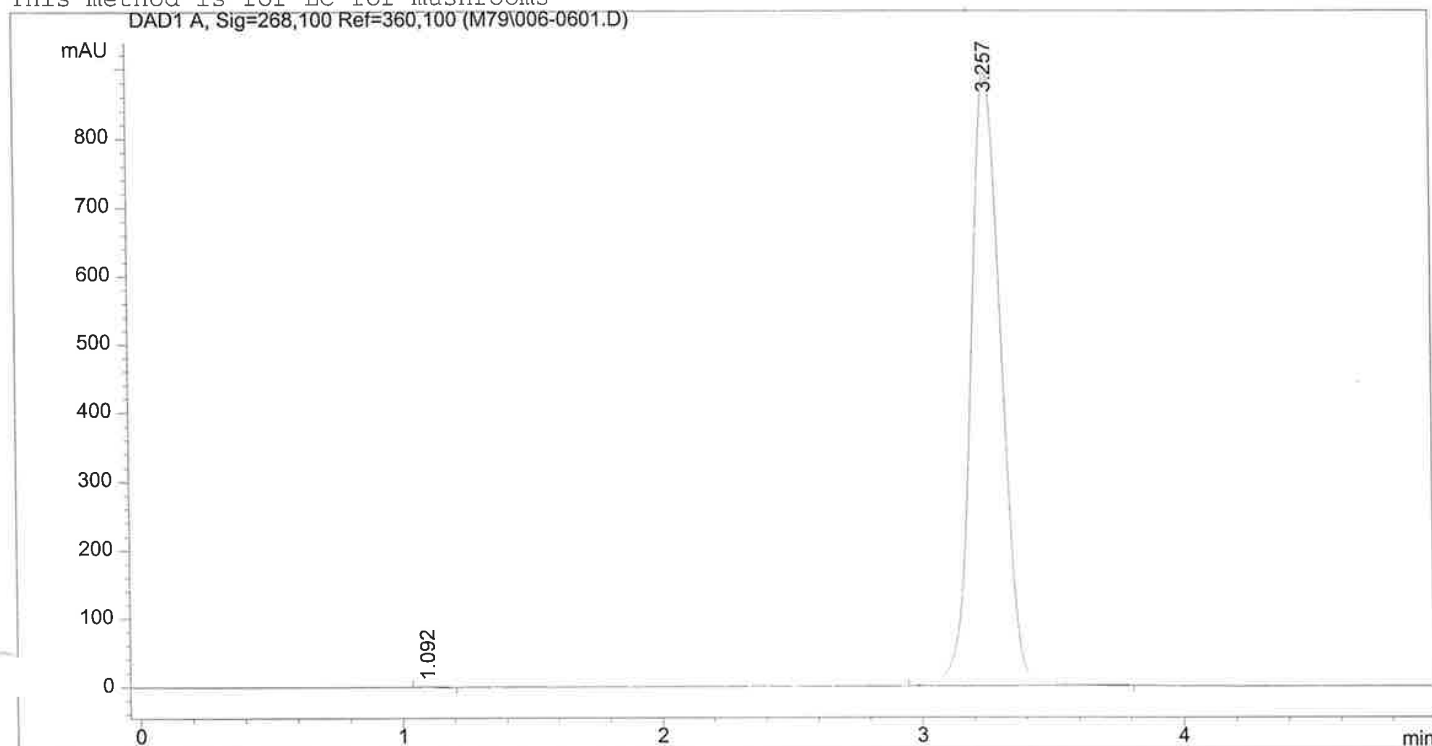
Totals : 3198.21249 704.13710

```

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

```
=====
Injection Date   : 3/23/13 11:42:37 AM      Seq. Line :    6
Sample Name      : B                        Location  : Vial 6
Acq. Operator    : Cassandra Franklin Beavers Inj       :    1
                                           Inj Volume : 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/23/13 11:42:20 AM by Cassandra Franklin Beavers
                  (modified after loading)
This method is for LC for mushrooms
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0549	9.28678	2.52635	0.1290
2	3.257	BB	0.1277	7191.84033	895.21698	99.8710

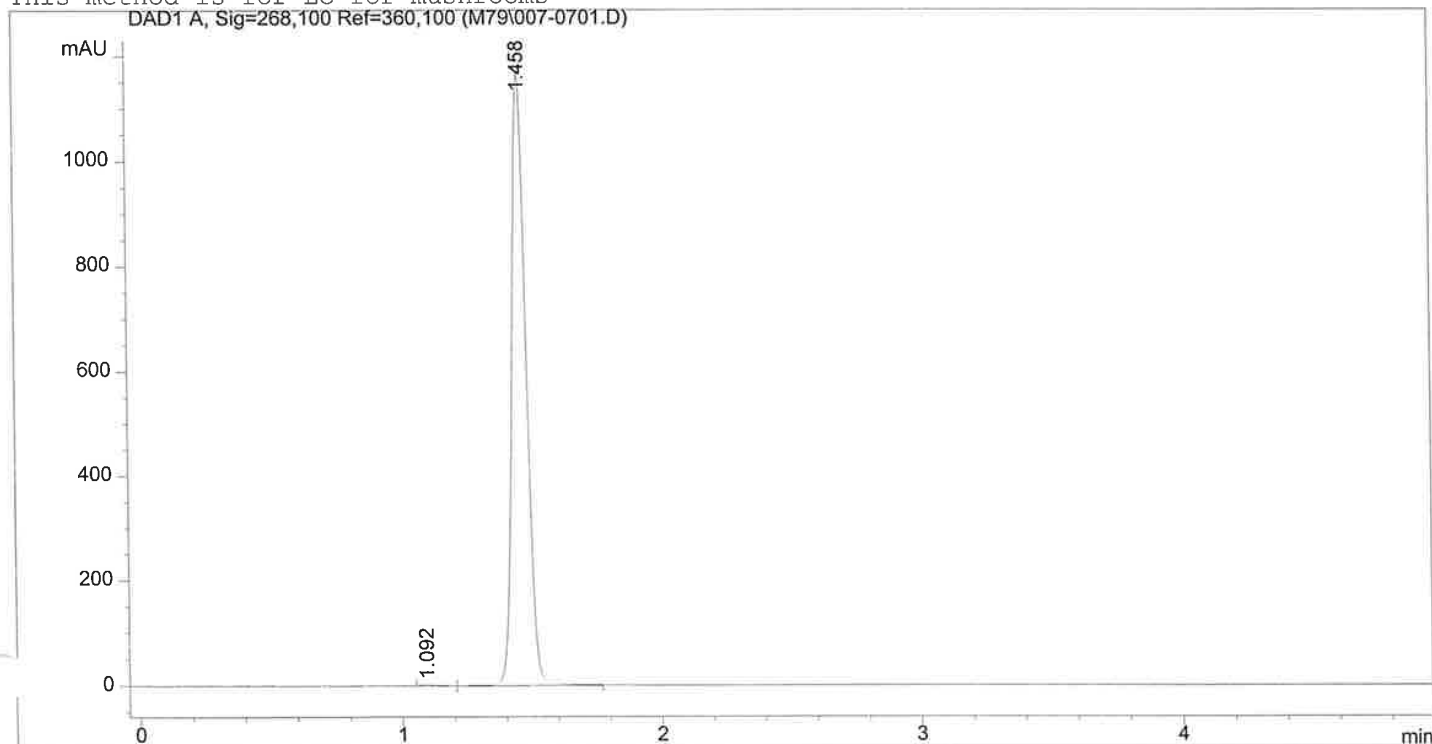
Totals : 7201.12711 897.74333

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

Ⓟ P. Stange

```
=====
Injection Date   : 3/23/13 11:48:45 AM      Seq. Line :    7
Sample Name      : C                        Location  : Vial 7
Acq. Operator    : Cassandra Franklin Beavers Inj       :    1
                                           Inj Volume : 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/23/13 11:48:28 AM by Cassandra Franklin Beavers
                  (modified after loading)
This method is for LC for mushrooms
=====
```



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

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

⊕ Caffeine std match

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0543	7.82287	2.15644	0.1755
2	1.458	VB	0.0583	4450.65771	1171.63953	99.8245

Totals : 4458.48058 1173.79597

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

HPLC PROFICIENCY TEST

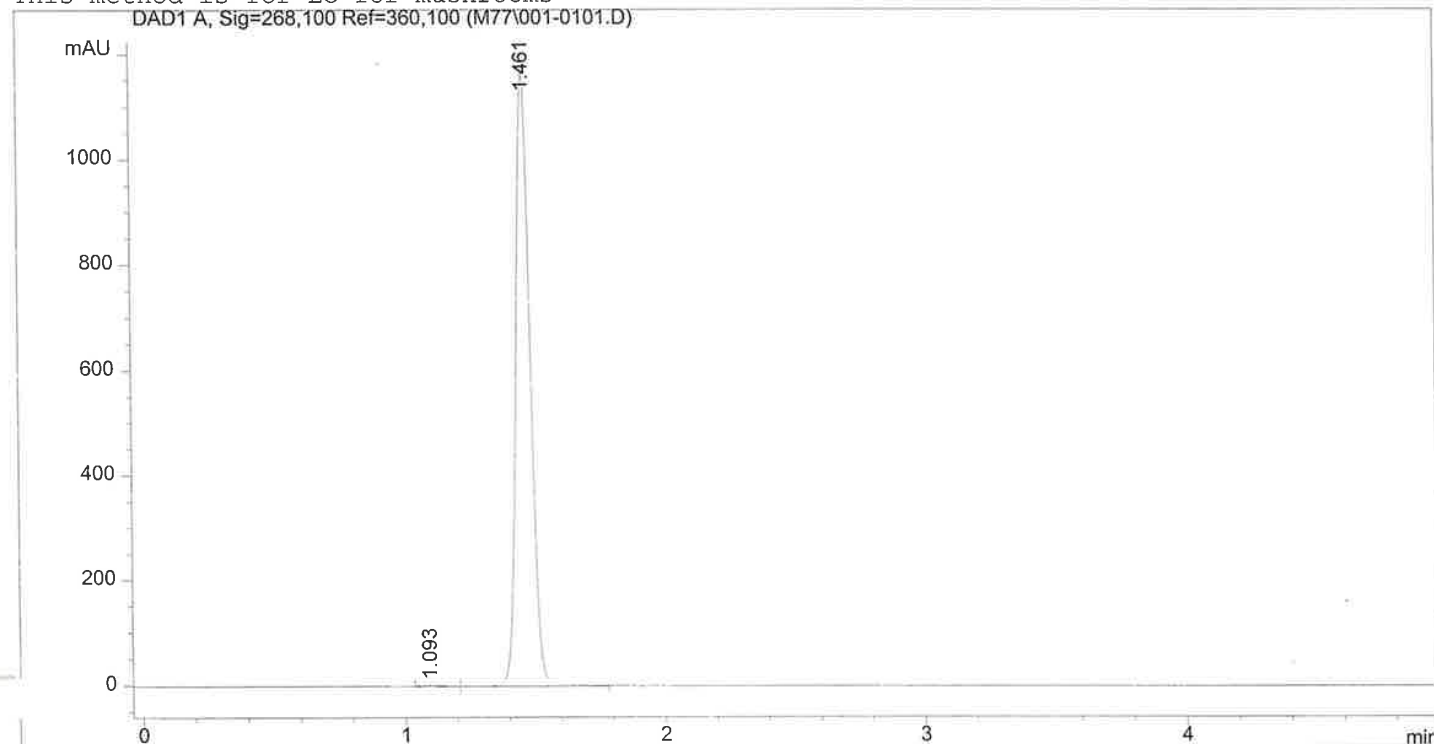
MARCH 22, 2013

3/11

=====

Injection Date	: 3/22/13 2:02:27 PM	Seq. Line	: 1
Sample Name	: Caffeine std	Location	: Vial 1
Acq. Operator	: Glen Jay Glenn	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0544	8.44552	2.32233	0.1888
2	1.461	VB	0.0585	4465.32080	1170.26868	99.8112

Totals : 4473.76632 1172.59101

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

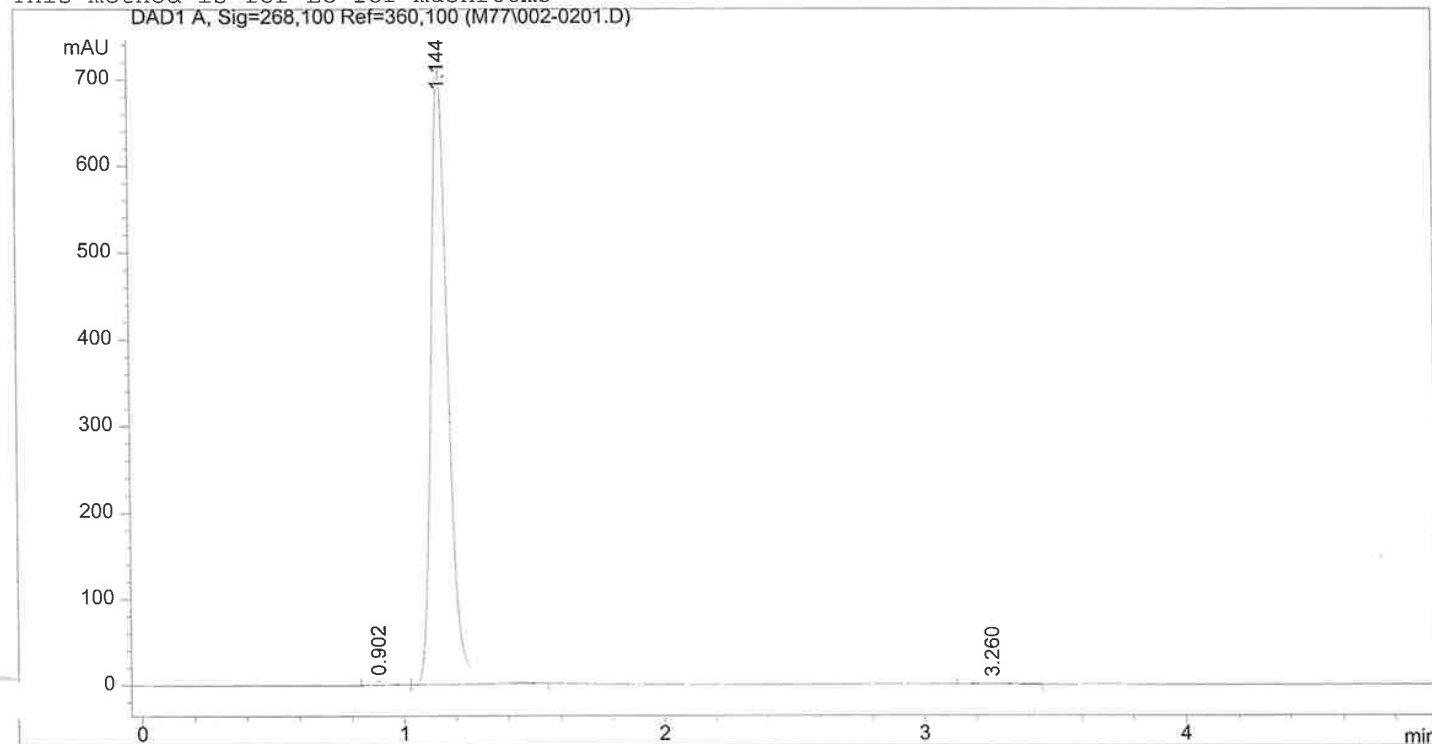
Glen Jay Glenn March 22, 2013

=====

Injection Date	: 3/22/13 2:08:36 PM	Seq. Line	: 2
Sample Name	: Psilocybin std	Location	: Vial 2
Acq. Operator	: Glen Jay Glenn	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M77\002-0201.D)

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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.902	PV	0.0595	17.68433	4.53115	0.5469
2	1.144	VB	0.0685	3203.07617	711.22986	99.0505
3	3.260	BP	0.1039	13.01879	1.94990	0.4026

Totals : 3233.77929 717.71091

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

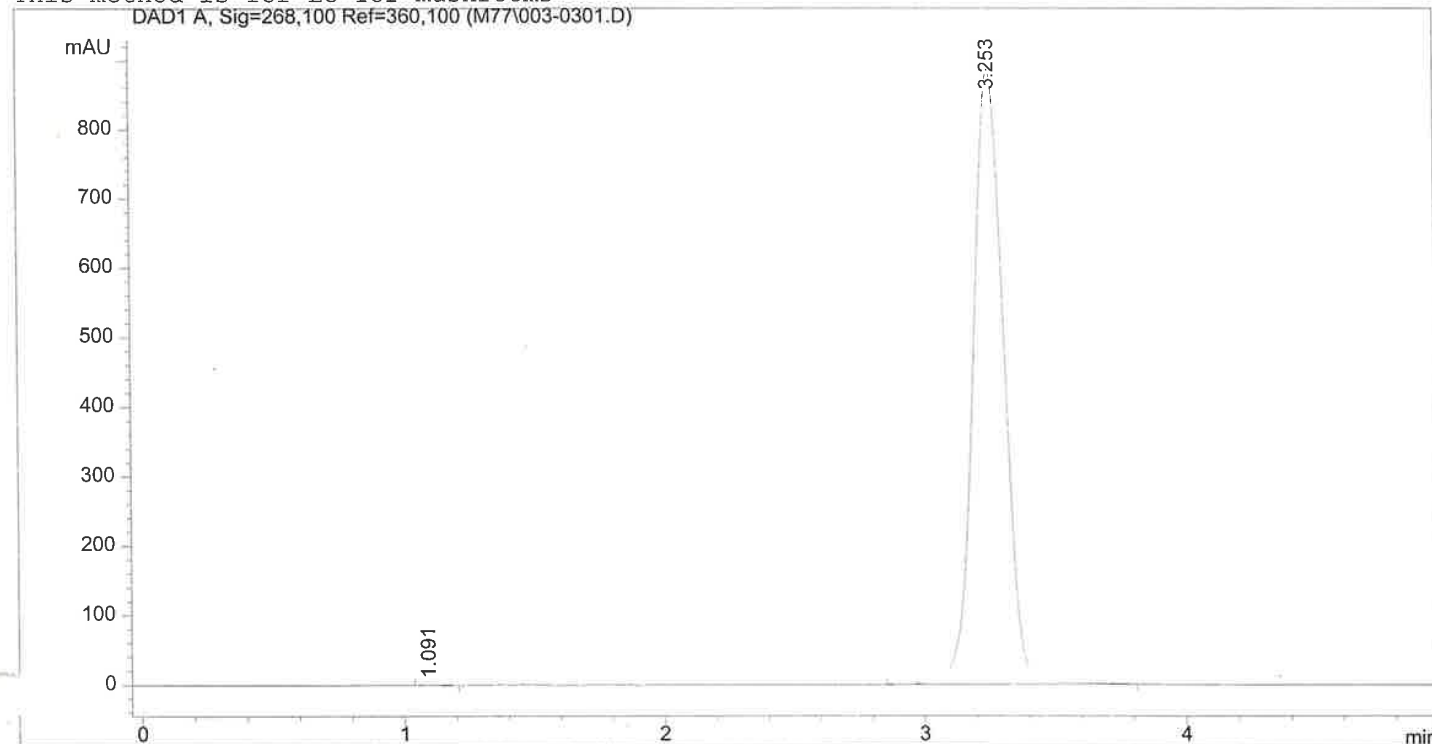
[Handwritten Signature] March 22, 2013

=====

Injection Date : 3/22/13 2:14:46 PM Seq. Line : 3
Sample Name : Psilocyn std Location : Vial 3
Acq. Operator : Glen Jay Glenn Inj : 1
Inj Volume : 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M77\003-0301.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0553	9.27643	2.49776	0.1287
2	3.253	BB	0.1287	7197.84131	887.08765	99.8713

Totals : 7207.11774 889.58541

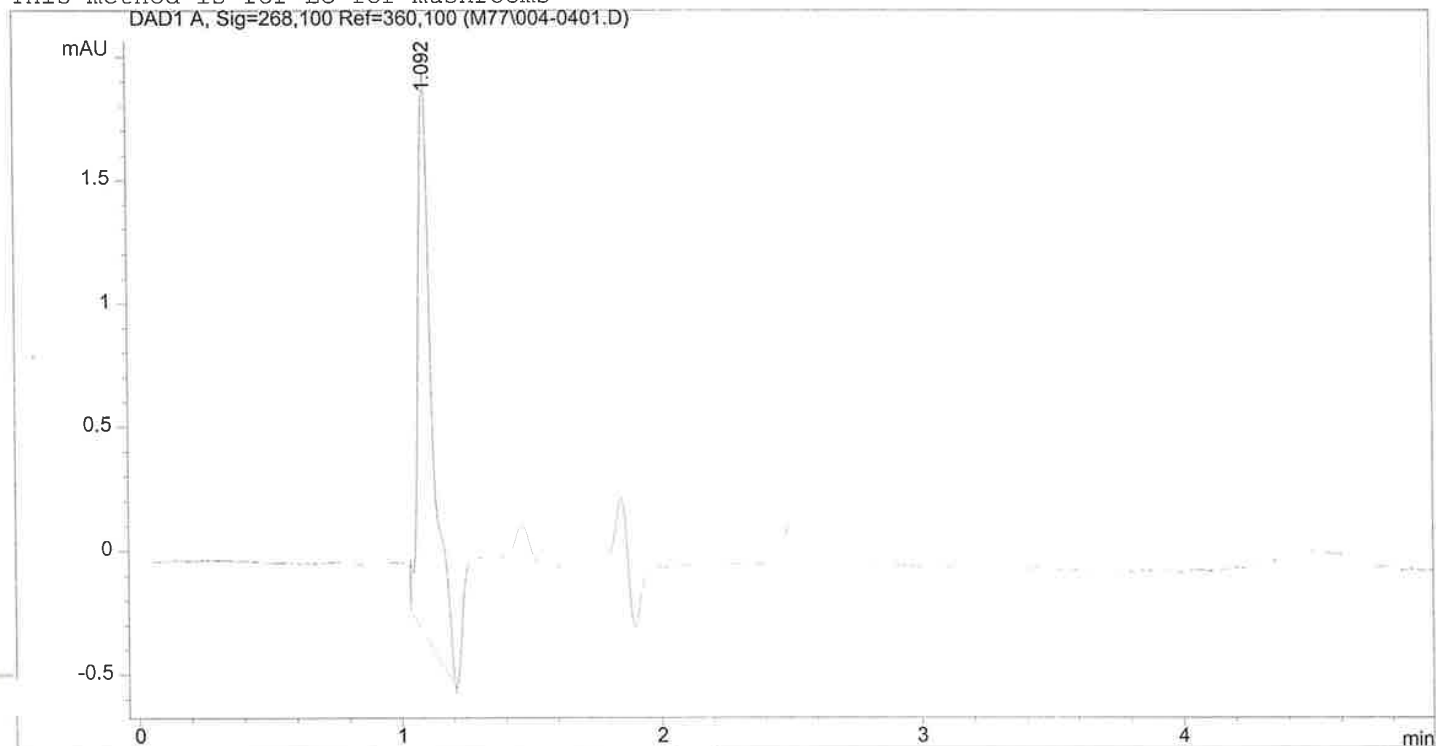
=====
*** End of Report ***

Glen Jay Glenn March 22, 2013

=====

Injection Date	: 3/22/13 2:20:56 PM	Seq. Line	: 4
Sample Name	: Blank	Location	: Vial 4
Acq. Operator	: Glen Jay Glenn	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0552	8.47192	2.28568	100.0000

Totals : 8.47192 2.28568

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

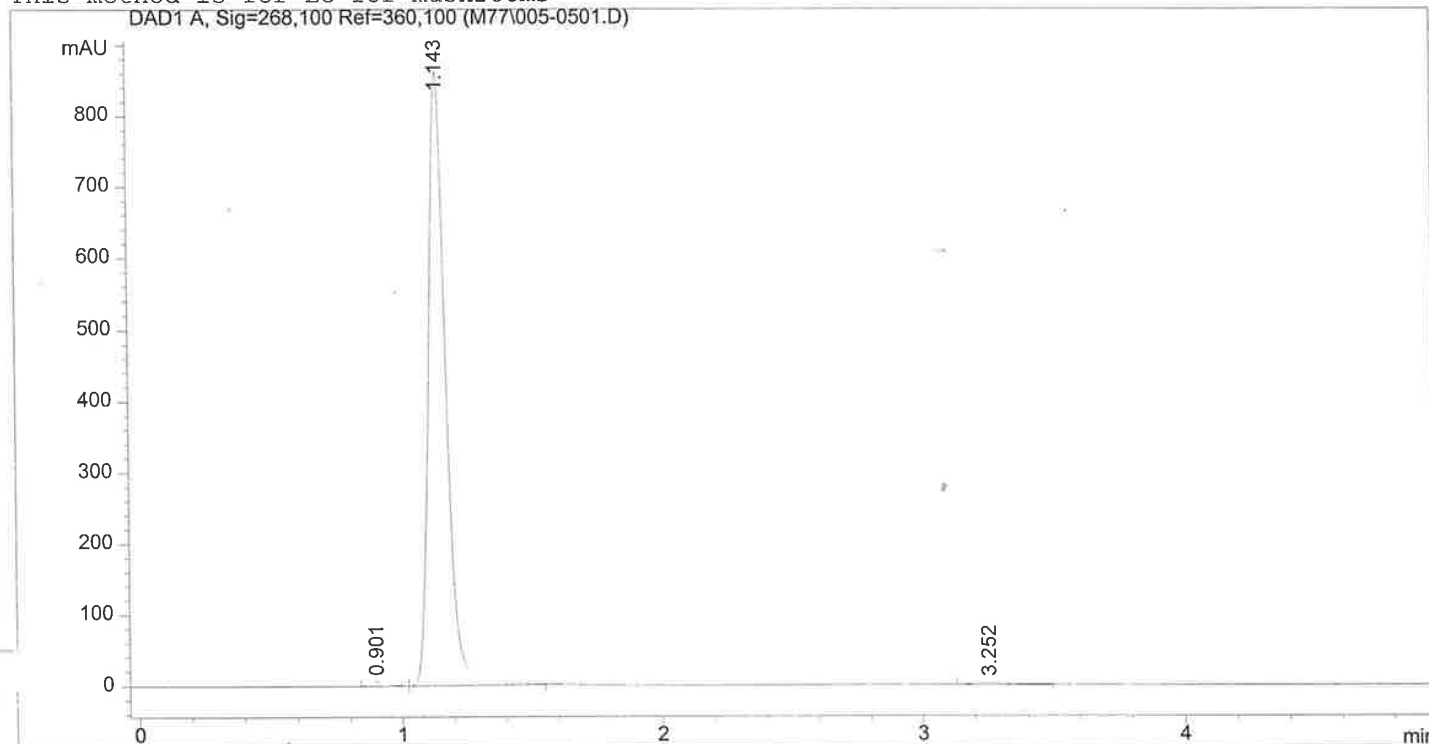
Glen Jay Glenn March 22, 2013

=====

Injection Date	: 3/22/13 2:27:05 PM	Seq. Line	: 5
Sample Name	: A	Location	: Vial 5
Acq. Operator	: Glen Jay Glenn	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:27:49 PM by Glen Jay Glenn
(modified after loading)

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PV	0.0609	24.46362	6.08432	0.6152
2	1.143	VB	0.0691	3931.49780	863.27667	98.8750
3	3.252	BP	0.1073	20.27049	2.98059	0.5098

Totals : 3976.23191 872.34158

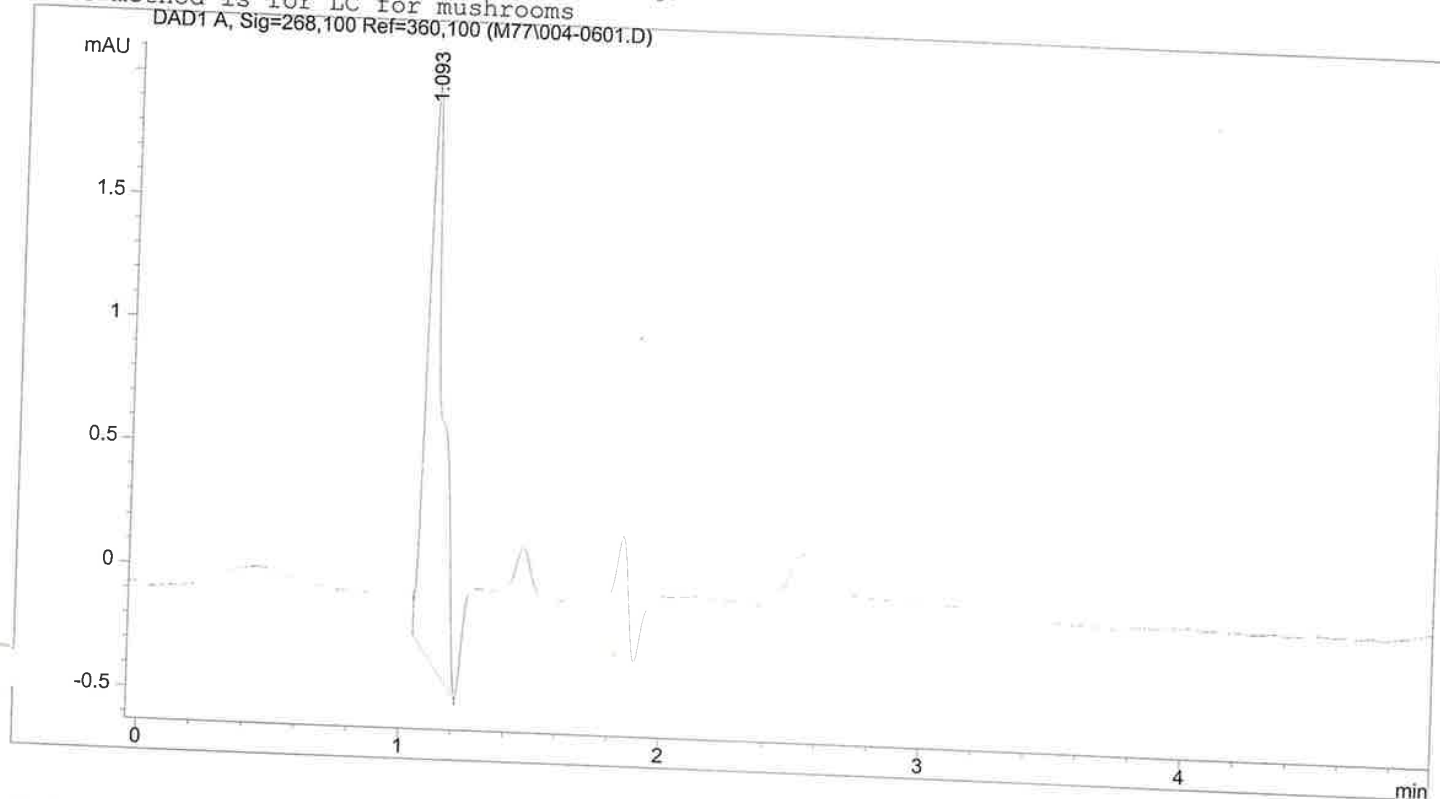
=====
*** End of Report ***

Glen Jay Glenn March 22, 2013
7 7

8/11

Injection Date : 3/22/13 2:33:14 PM
Sample Name : Blank
Acq. Operator : Glen Jay Glenn
Seq. Line : 6
Location : Vial 4
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:32:57 PM by Glen Jay Glenn
(modified after loading)

This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M77\004-0601.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0627	10.09554	2.32219	100.0000

Totals : 10.09554 2.32219

*** End of Report ***

Glen Jay Glenn March 22, 2013

Ref 11

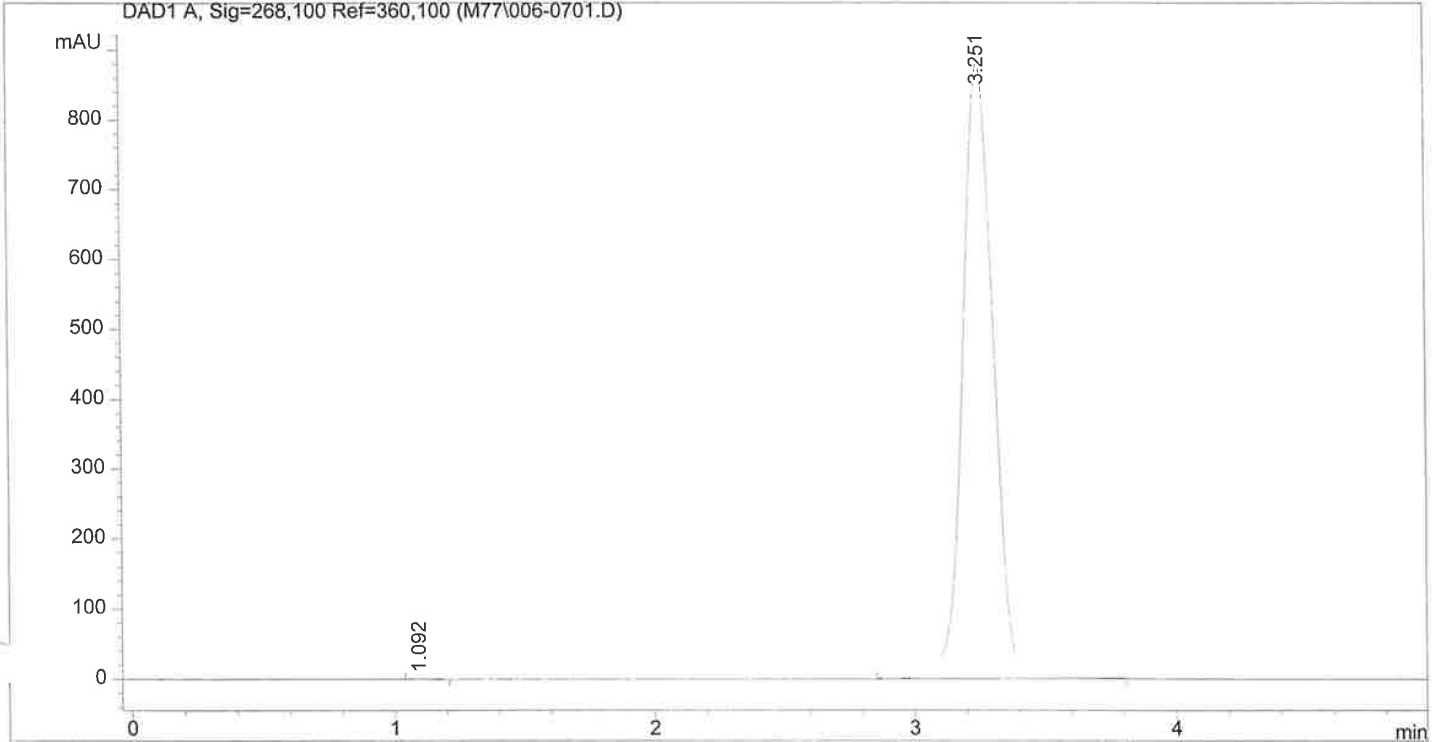
=====

Injection Date	: 3/22/13 2:39:23 PM	Seq. Line	: 7
Sample Name	: B	Location	: Vial 6
Acq. Operator	: Glen Jay Glenn	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:39:06 PM by Glen Jay Glenn
(modified after loading)

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M77\006-0701.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0574	9.60507	2.46929	0.1346
2	3.251	BB	0.1285	7124.33740	879.90625	99.8654

Totals : 7133.94248 882.37554

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

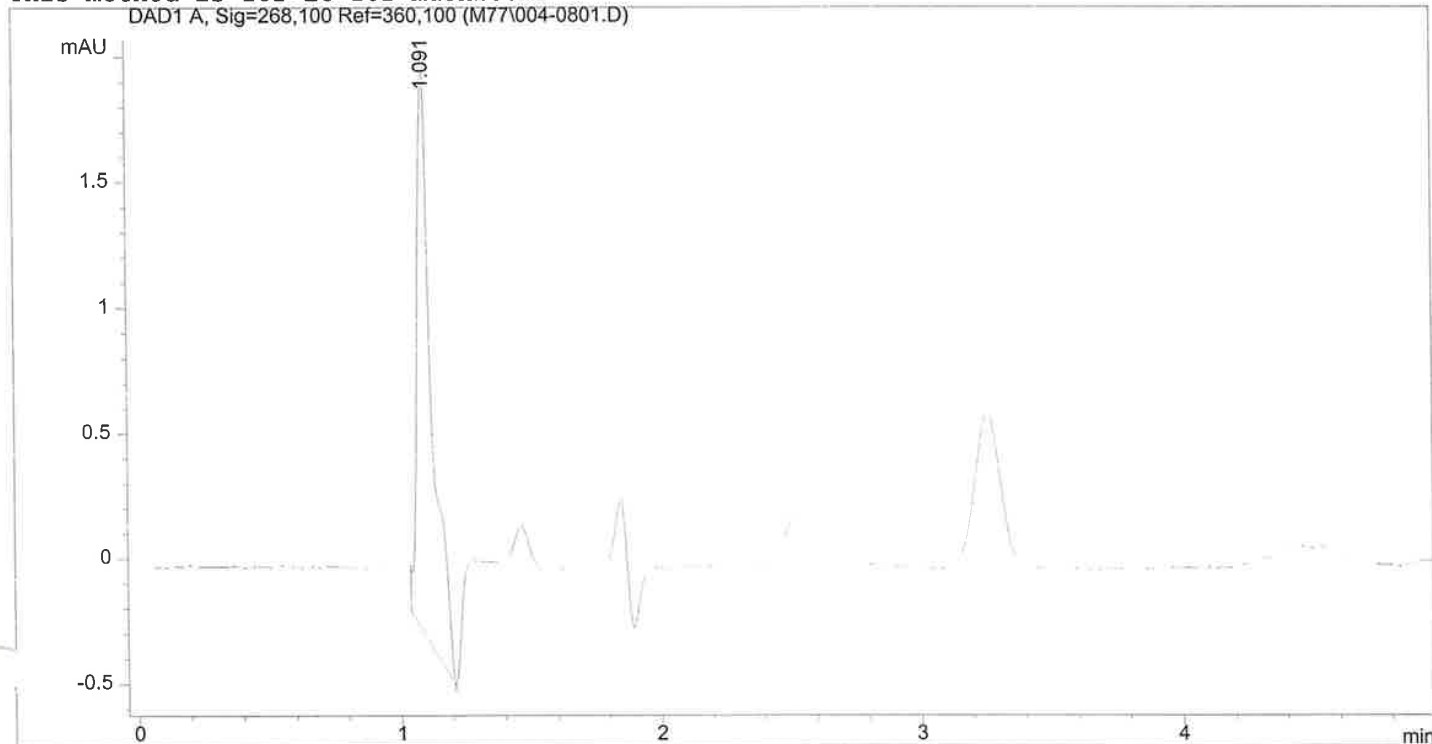
[Handwritten Signature] 22, 2013

=====

Injection Date	: 3/22/13 2:45:34 PM	Seq. Line	: 8
Sample Name	: Blank	Location	: Vial 4
Acq. Operator	: Glen Jay Glenn	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:45:15 PM by Glen Jay Glenn
(modified after loading)

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0568	8.71250	2.27039	100.0000

Totals : 8.71250 2.27039

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

Glen Jay Glenn March 22, 2013

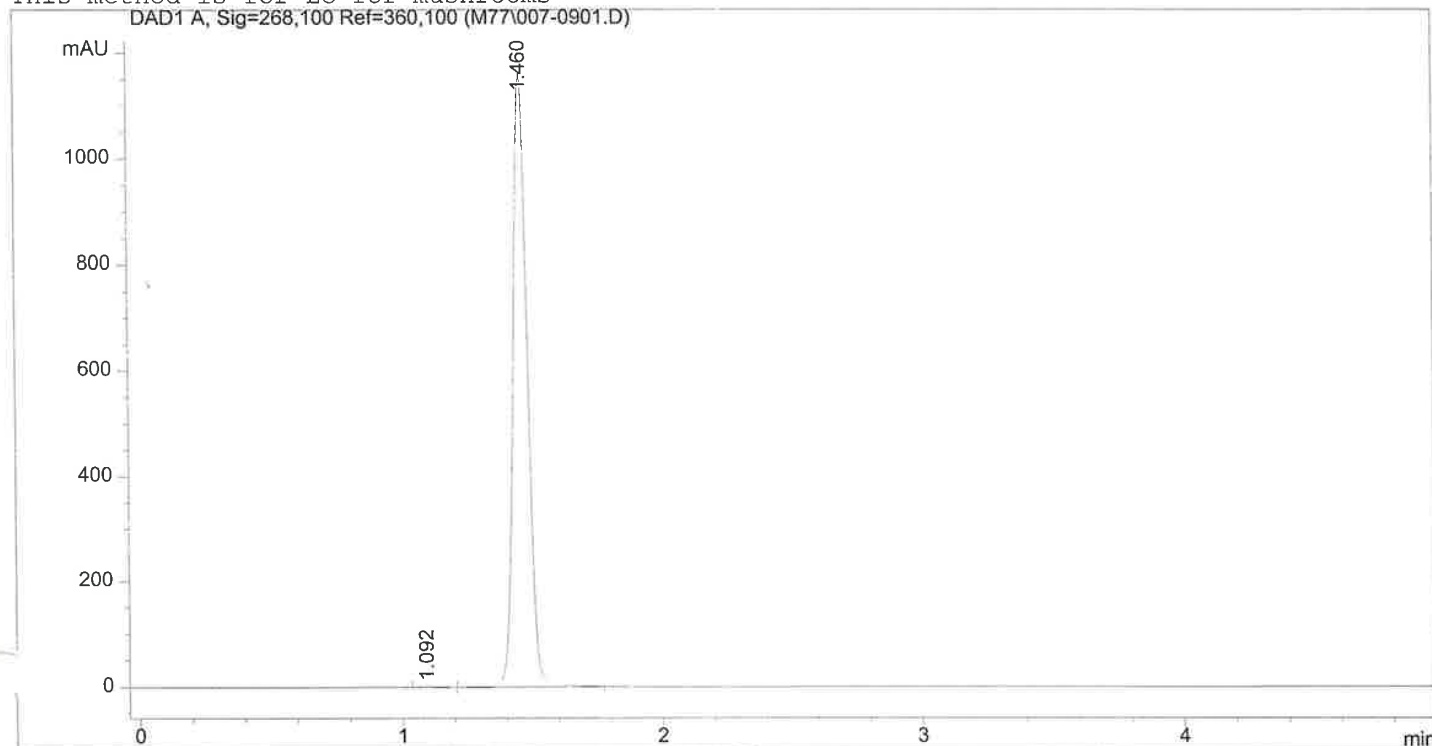
11 of 11

=====

Injection Date	: 3/22/13 2:51:44 PM	Seq. Line	: 9
Sample Name	: C	Location	: Vial 7
Acq. Operator	: Glen Jay Glenn	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:51:25 PM by Glen Jay Glenn
(modified after loading)

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0561	8.44231	2.23521	0.1909
2	1.460	VB	0.0582	4414.60596	1166.11768	99.8091

Totals : 4423.04827 1168.35289

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

Glen Jay Glenn March 22, 2013

fg

March 25, 2013

HPLC samples

Summary:

Sample A: Psilocybin

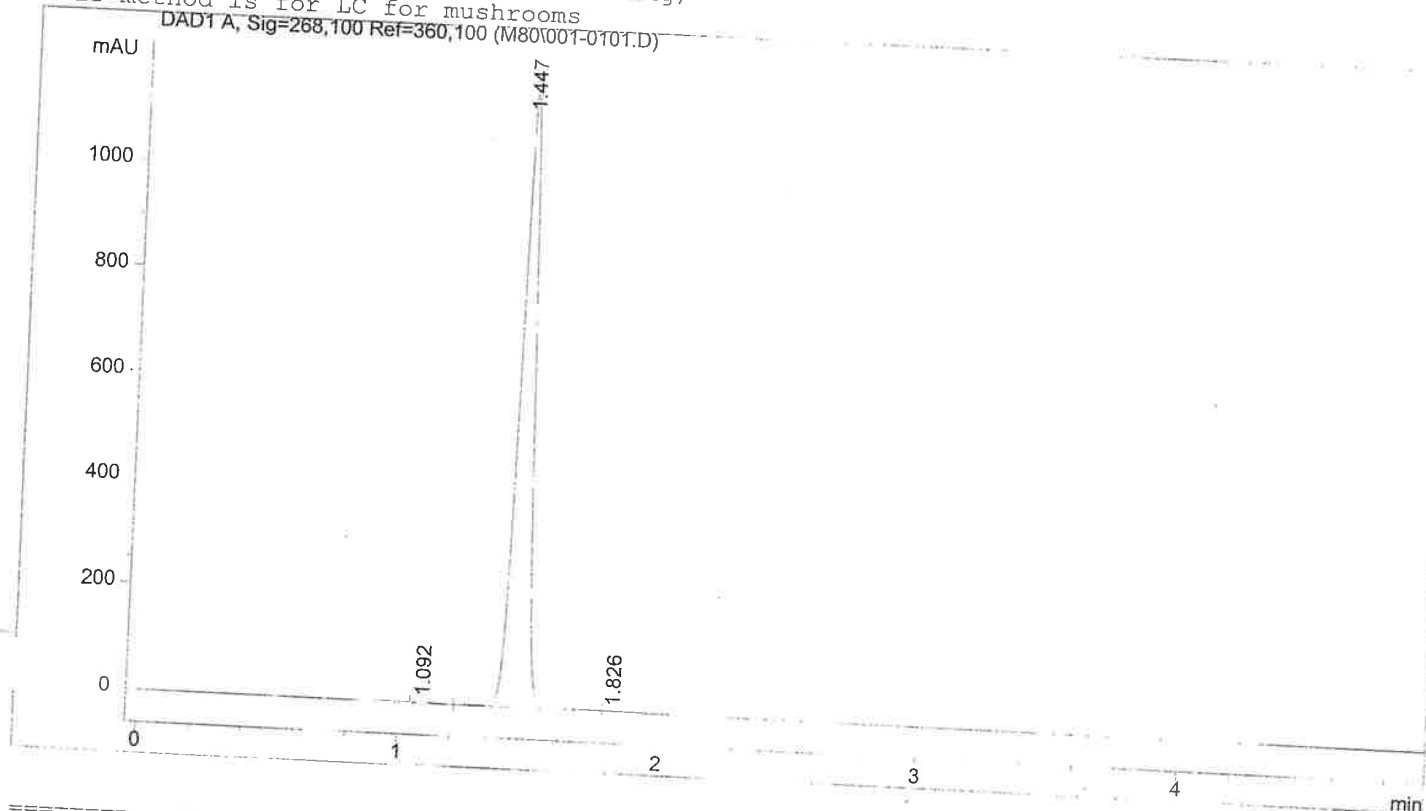
Sample B: Psilocyn

Sample C: ~~inconclusive~~ Caffeine
fg

Sample Name: Caffeine std

Injection Date : 3/25/13 6:35:00 AM
Sample Name : Caffeine std
Acq. Operator : Lela Jackson
Seq. Line : 1
Location : Vial 1
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/25/13 6:35:49 AM by Lela Jackson
(modified after loading)

This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0556	10.26597	2.74483	0.2276
2	1.447	VB	0.0608	4495.03613	1170.34839	99.6376
3	1.826	BB	0.0780	6.08146	1.07555	0.1348

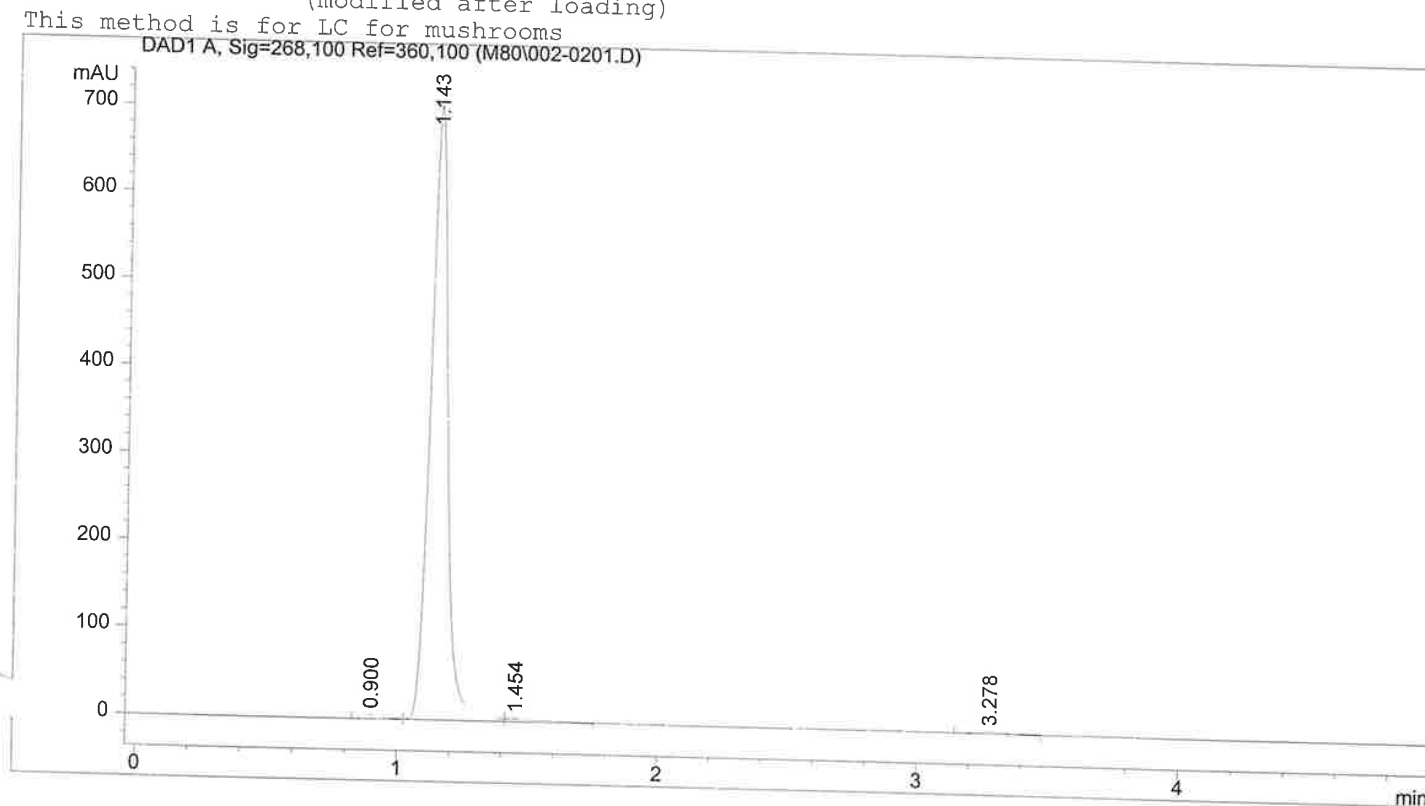
Totals : 4511.38356 1174.16877

*** End of Report ***

=====

Injection Date	: 3/25/13 6:41:09 AM	Seq. Line	: 2
Sample Name	: psilocybin std	Location	: Vial 2
Acq. Operator	: Lela Jackson	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC MUSH.M		
Last changed	: 3/25/13 6:40:56 AM by Lela Jackson		
	(modified after loading)		

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.900	PV	0.0648	20.06494	4.60425	0.6059
2	1.143	VV	0.0716	3238.11597	705.17657	97.7824
3	1.454	VB	0.1368	39.81807	3.78430	1.2024
4	3.278	BP	0.1061	13.55485	2.02505	0.4093

Totals : 3311.55383 715.59017

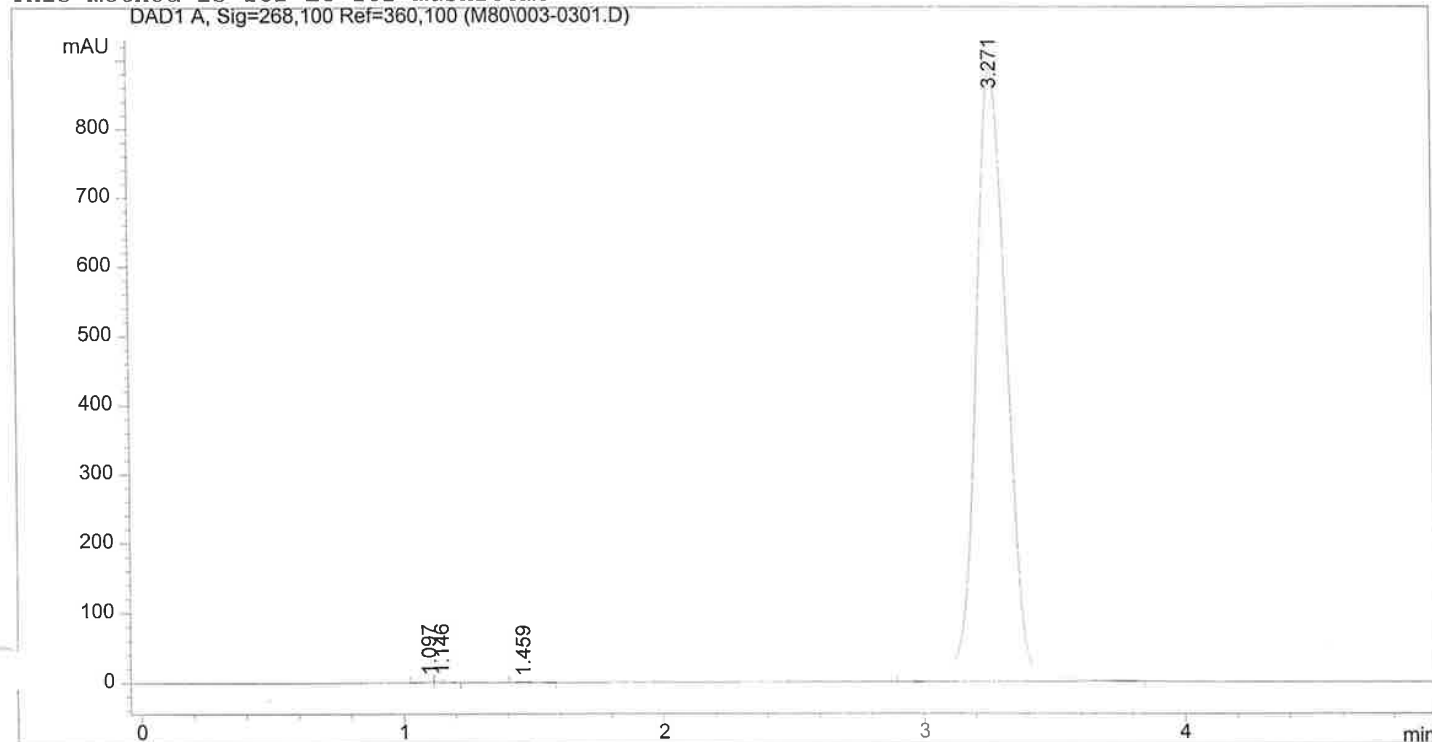
=====
*** End of Report ***
=====

=====

Injection Date	: 3/25/13 6:47:19 AM	Seq. Line	: 3
Sample Name	: Psilocyn std	Location	: Vial 3
Acq. Operator	: Lela Jackson	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/25/13 6:47:06 AM by Lela Jackson
(modified after loading)

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.097	BV	0.0425	7.28241	2.86252	0.1006
2	1.146	VV	0.0572	12.50019	3.37967	0.1727
3	1.459	VP	0.0696	5.49114	1.15169	0.0759
4	3.271	BB	0.1289	7212.04980	887.05487	99.6508

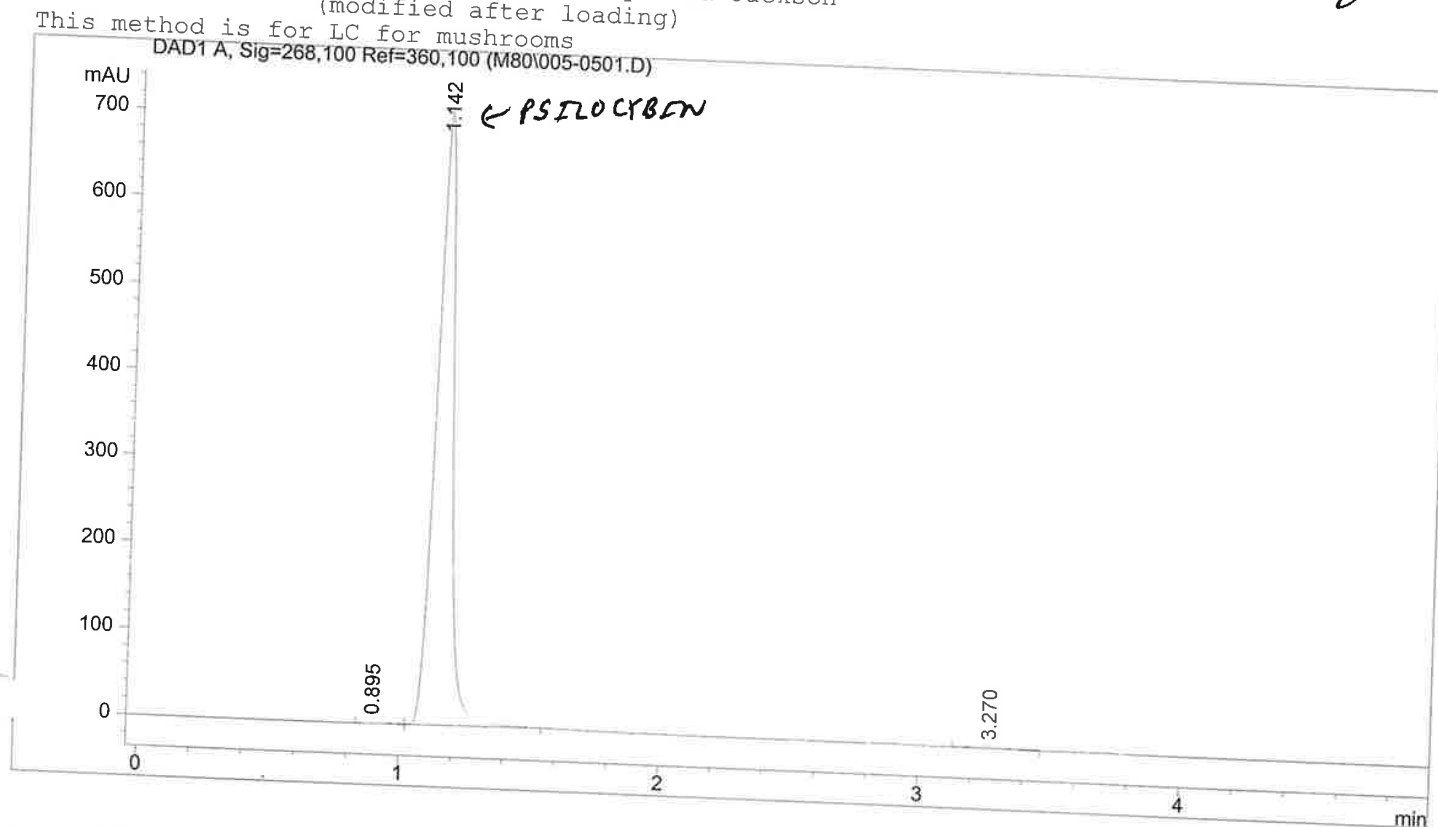
Totals : 7237.32354 894.44875

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

=====

Injection Date	: 3/25/13 6:59:39 AM	Seq. Line	: 5
Sample Name	: A	Location	: Vial 5
Acq. Operator	: Lela Jackson	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC_MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC_MUSH.M		
Last changed	: 3/25/13 6:59:26 AM by Lela Jackson		
	(modified after loading)		

This method is for LC for mushrooms



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.895	PP	0.0591	17.32518	4.48266	0.5307
2	1.142	VB	0.0690	3227.29810	710.70166	98.8498
3	3.270	BP	0.1042	20.22575	3.01912	0.6195

Totals : 3264.84902 718.20344

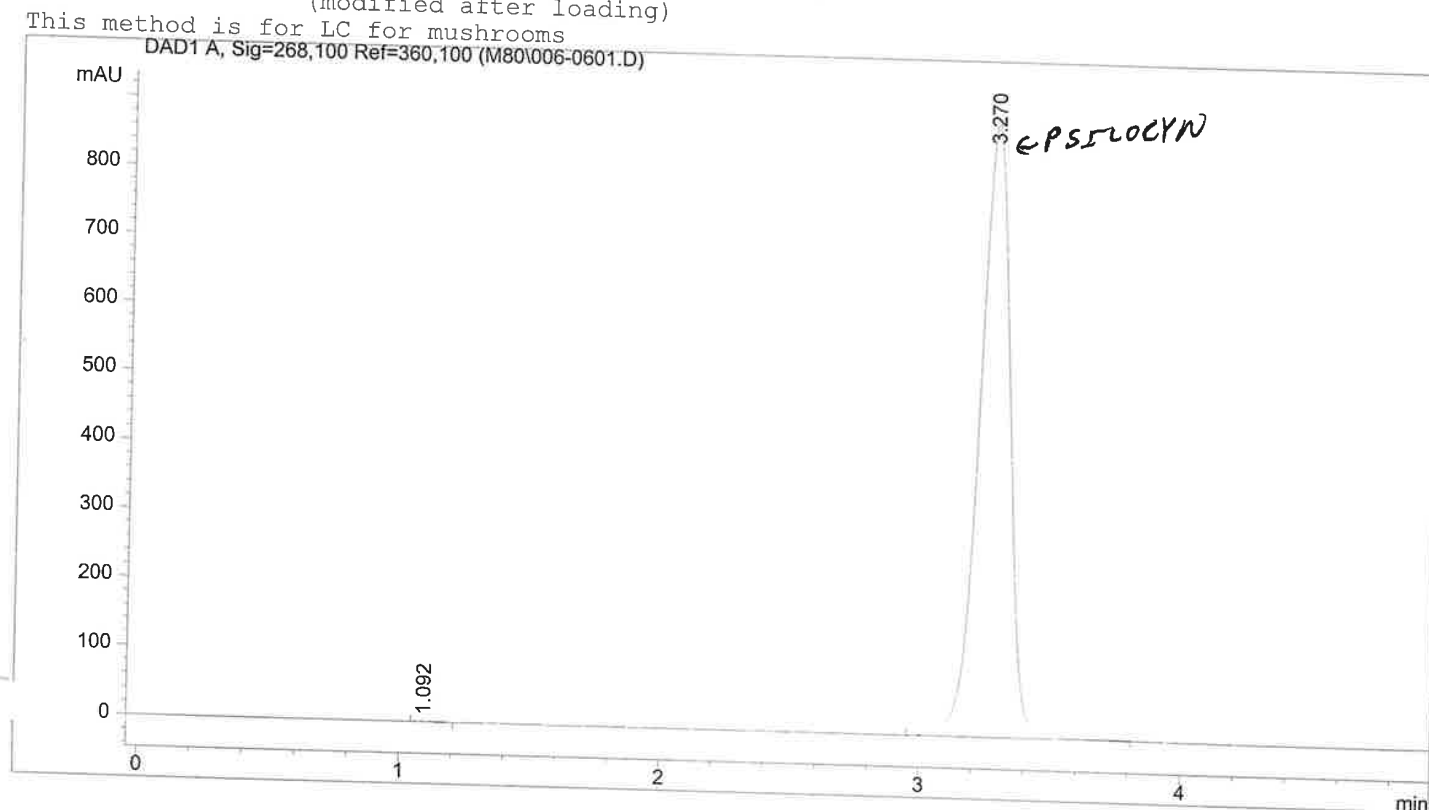
=====
*** End of Report ***
=====

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Injection Date	: 3/25/13 7:05:49 AM	Seq. Line	: 6
Sample Name	: B	Location	: Vial 6
Acq. Operator	: Lela Jackson	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC_MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC_MUSH.M		
Last changed	: 3/25/13 7:05:36 AM by Lela Jackson		
	(modified after loading)		

This method is for LC for mushrooms

4
/3



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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0542	9.74949	2.69294	0.1357
2	3.270	BB	0.1278	7175.02588	892.01038	99.8643

Totals : 7184.77537 894.70332

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

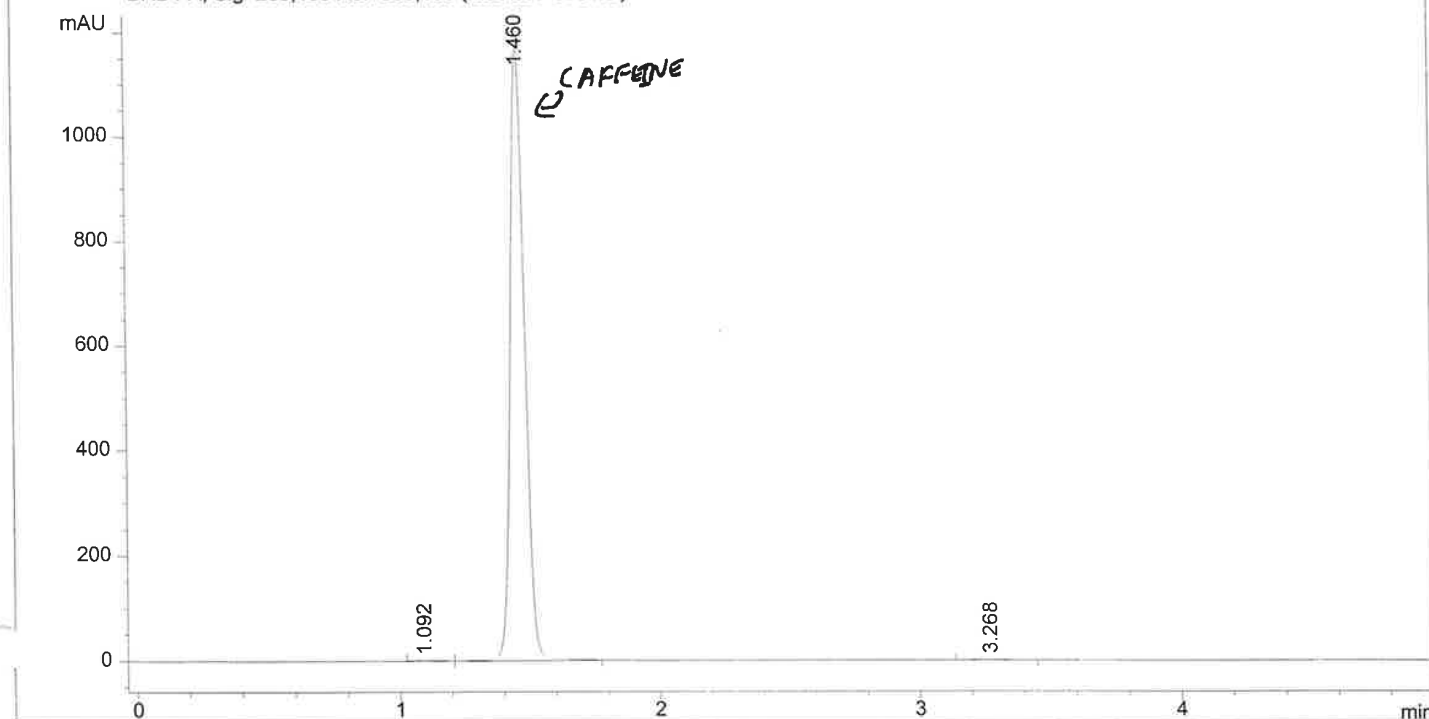
=====

Injection Date	: 3/25/13 7:11:59 AM	Seq. Line	: 7
Sample Name	: C	Location	: Vial 7
Acq. Operator	: Lela Jackson	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/25/13 7:11:45 AM by Lela Jackson
(modified after loading)

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M80\007-0701.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0578	8.54895	2.17794	0.1894
2	1.460	VB	0.0604	4489.58252	1178.65369	99.4860
3	3.268	BB	0.1055	14.64572	2.14827	0.3245

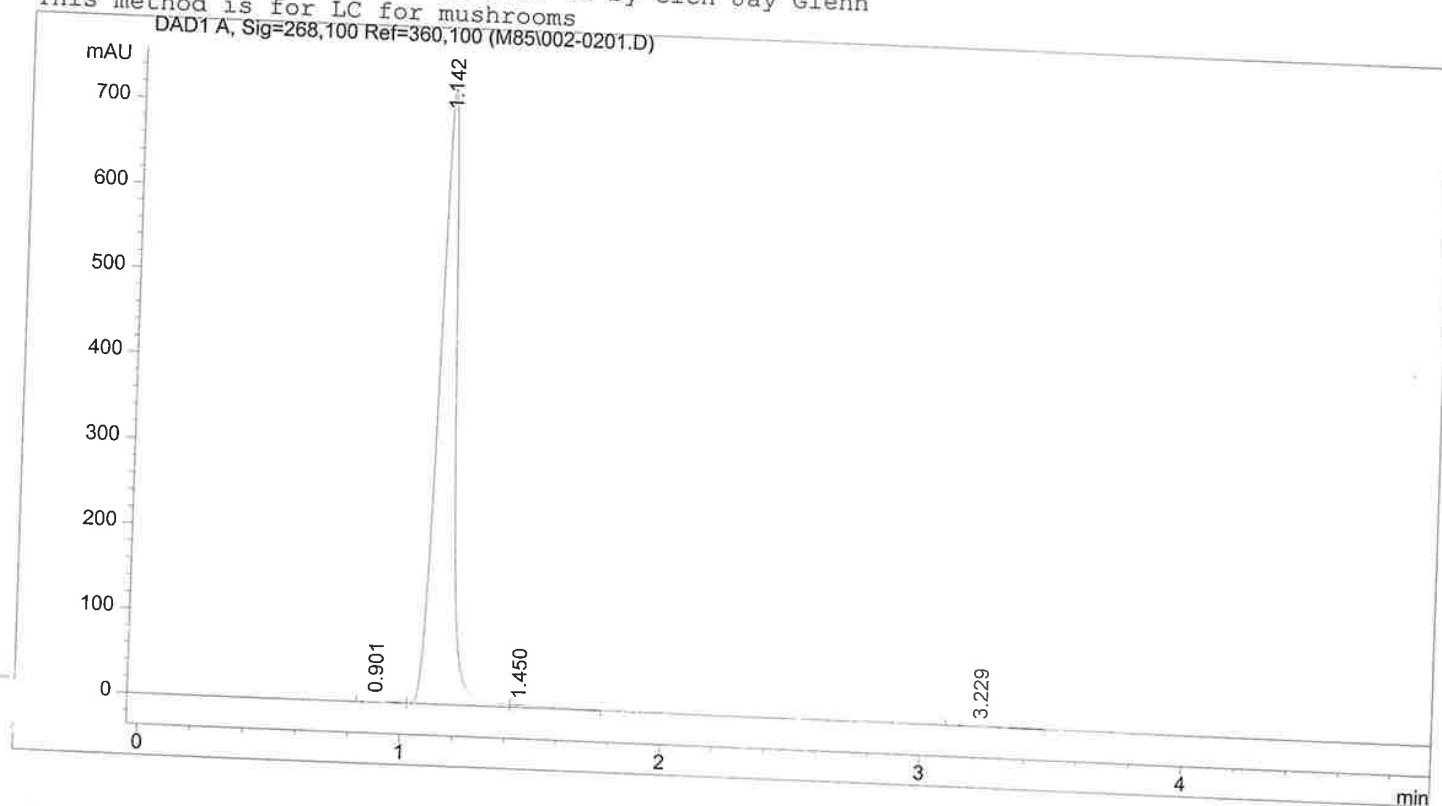
Totals : 4512.77718 1182.97990

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*** End of Report ***
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Injection Date	: 3/28/13 11:42:23 AM	Seq. Line	: 2
Sample Name	: psilocybin std	Location	: Vial 2
Acq. Operator	: DENOTRIA F. PATTERSON	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC MUSH.M		
Last changed	: 3/22/13 2:02:00 PM by Glen Jay Glenn		
This method is for LC for mushrooms			

DAD1 A, Sig=268,100 Ref=360,100 (M85\002-0201.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PV	0.0644	20.38043	4.71627	0.6066
2	1.142	VV	0.0689	3287.28198	725.52686	97.8473
3	1.450	VB	0.1487	37.51789	3.24928	1.1167
4	3.229	BP	0.1046	14.42355	2.14201	0.4293

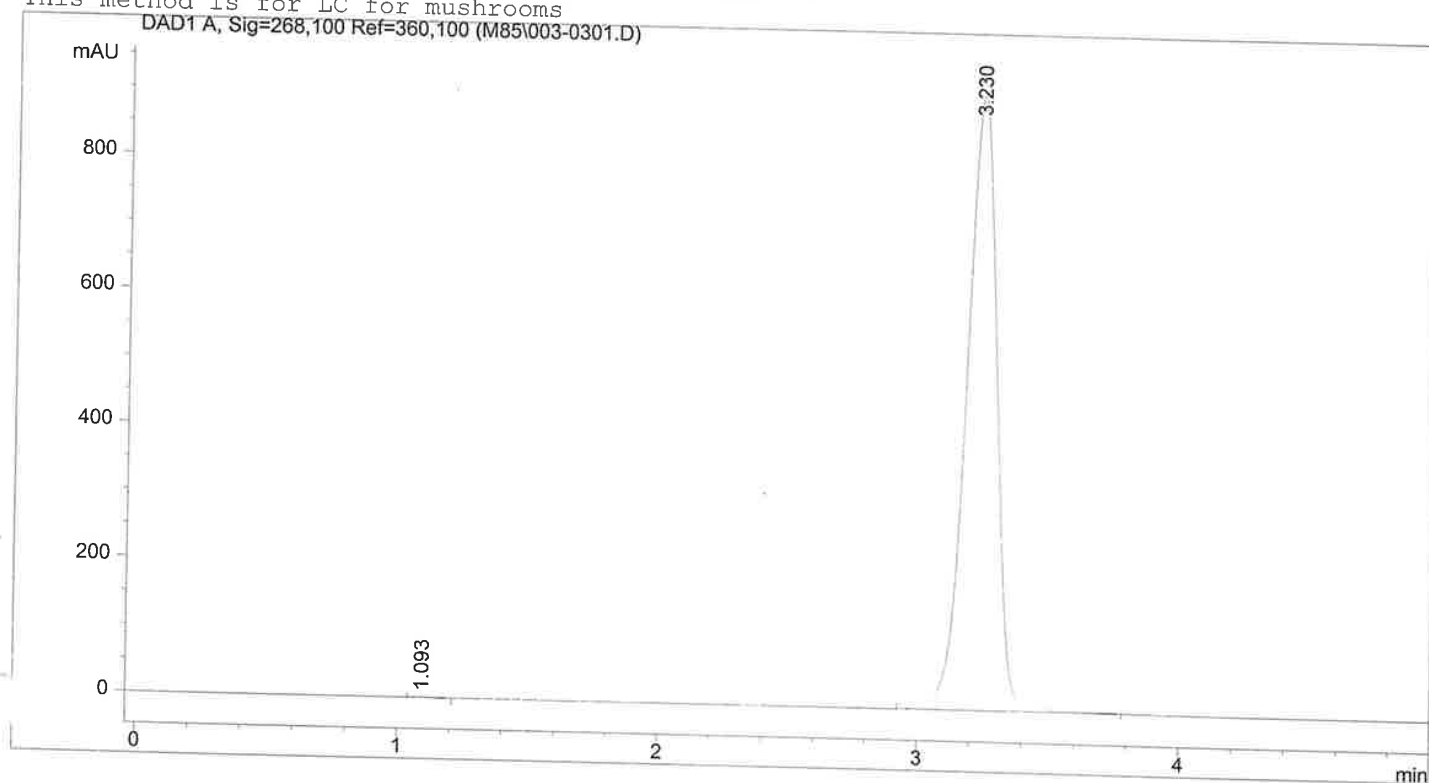
Totals : 3359.60385 735.63442

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*** End of Report ***
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Injection Date	: 3/28/13 11:48:29 AM	Seq. Line	: 3
Sample Name	: Psilocyn std	Location	: Vial 3
Acq. Operator	: DENOTRIA F. PATTERSON	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

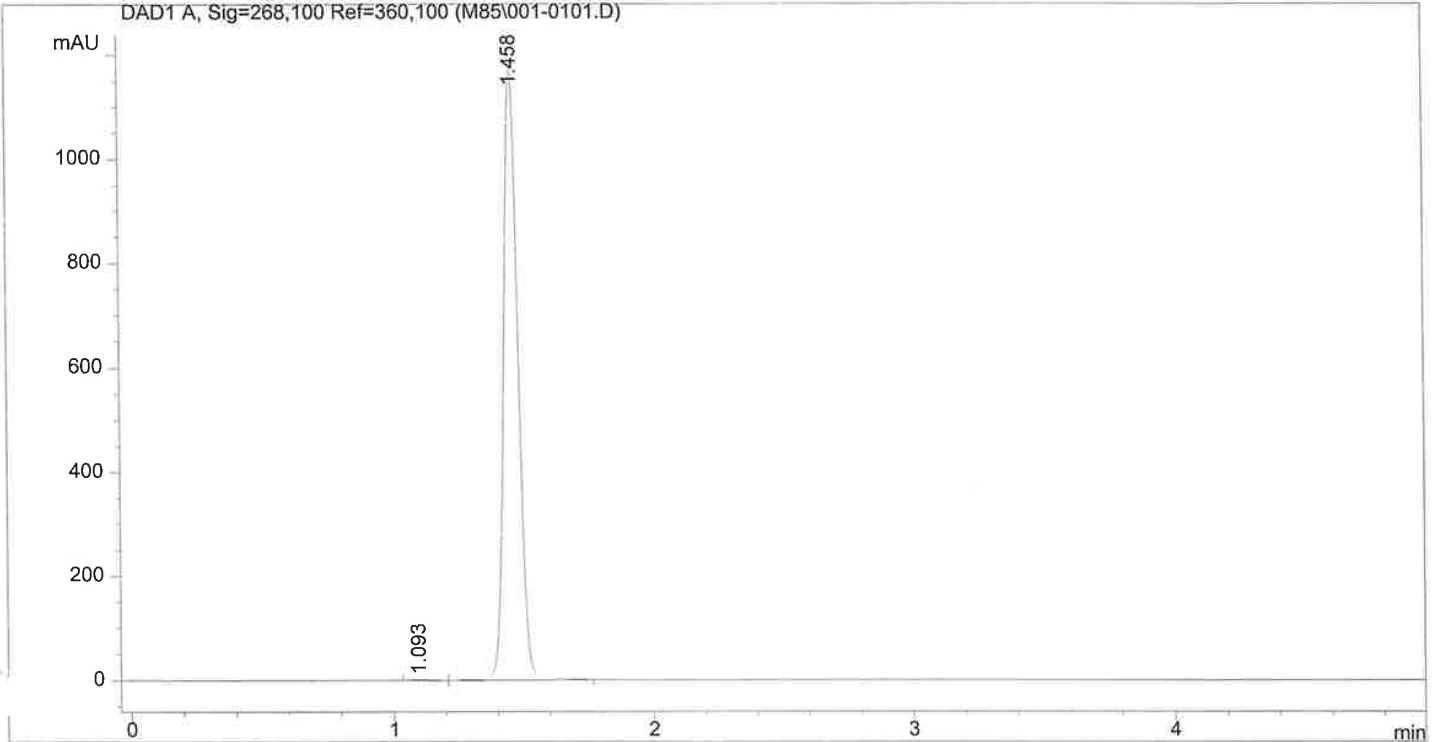
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0588	9.54438	2.37997	0.1307
2	3.230	BB	0.1251	7290.45215	913.12311	99.8693

Totals : 7299.99653 915.50308

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

```
=====
Injection Date   : 3/28/13 11:36:14 AM      Seq. Line :    1
Sample Name      : Caffeine std              Location  : Vial 1
Acq. Operator    : DENOTRIA F. PATTERSON     Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M85\001-0101.D)
=====
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=====
                          Area Percent Report
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```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
```

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

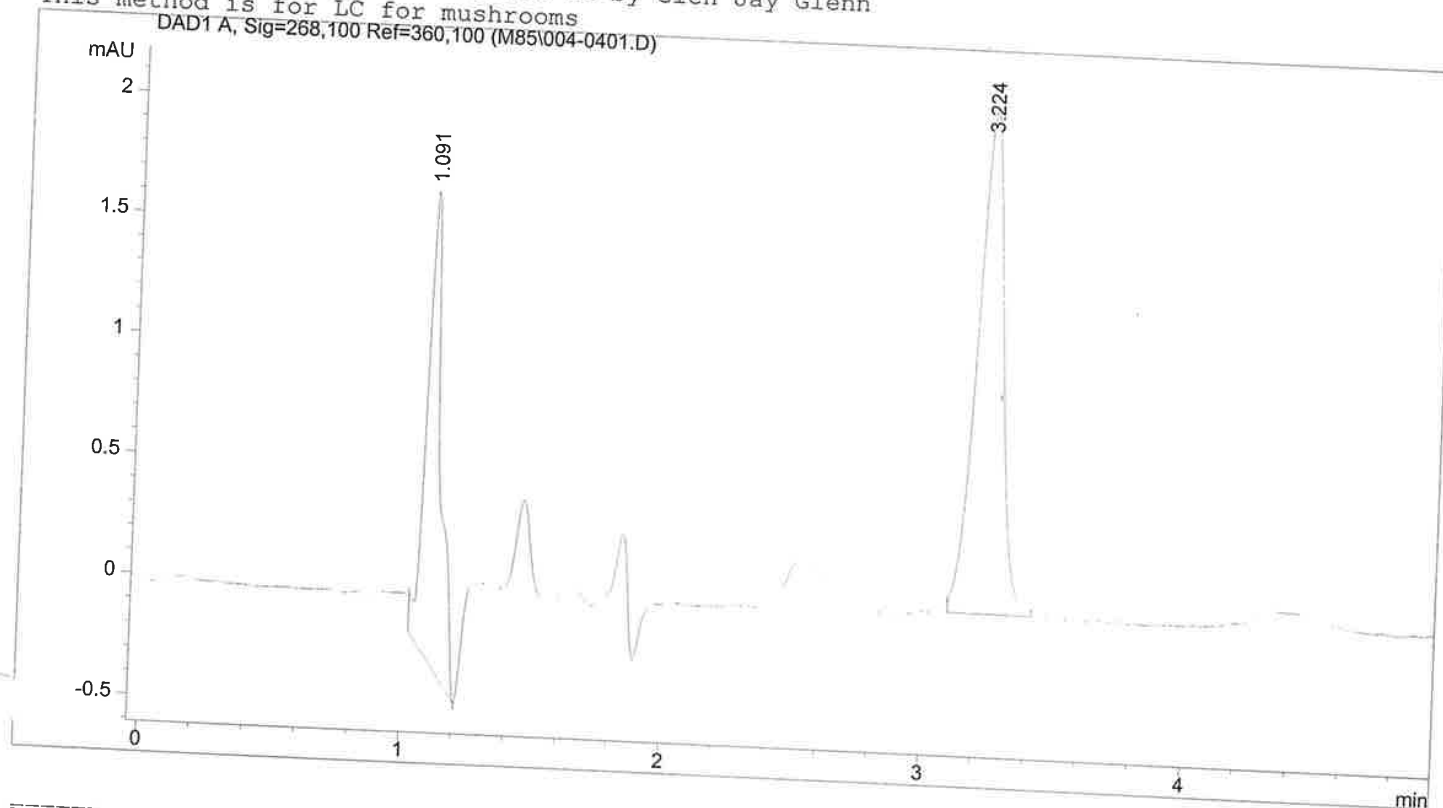
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0572	7.75900	2.00382	0.1722
2	1.458	VB	0.0603	4497.58838	1183.39917	99.8278

Totals : 4505.34738 1185.40299

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

Sample Name: Blank

Injection Date : 3/28/13 11:54:35 AM
Sample Name : Blank
Acq. Operator : DENOTRIA F. PATTERSON
Seq. Line : 4
Location : Vial 4
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M85\004-0401.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0599	7.99322	1.94519	35.7221
2	3.224	BB	0.1086	14.38289	2.08256	64.2779

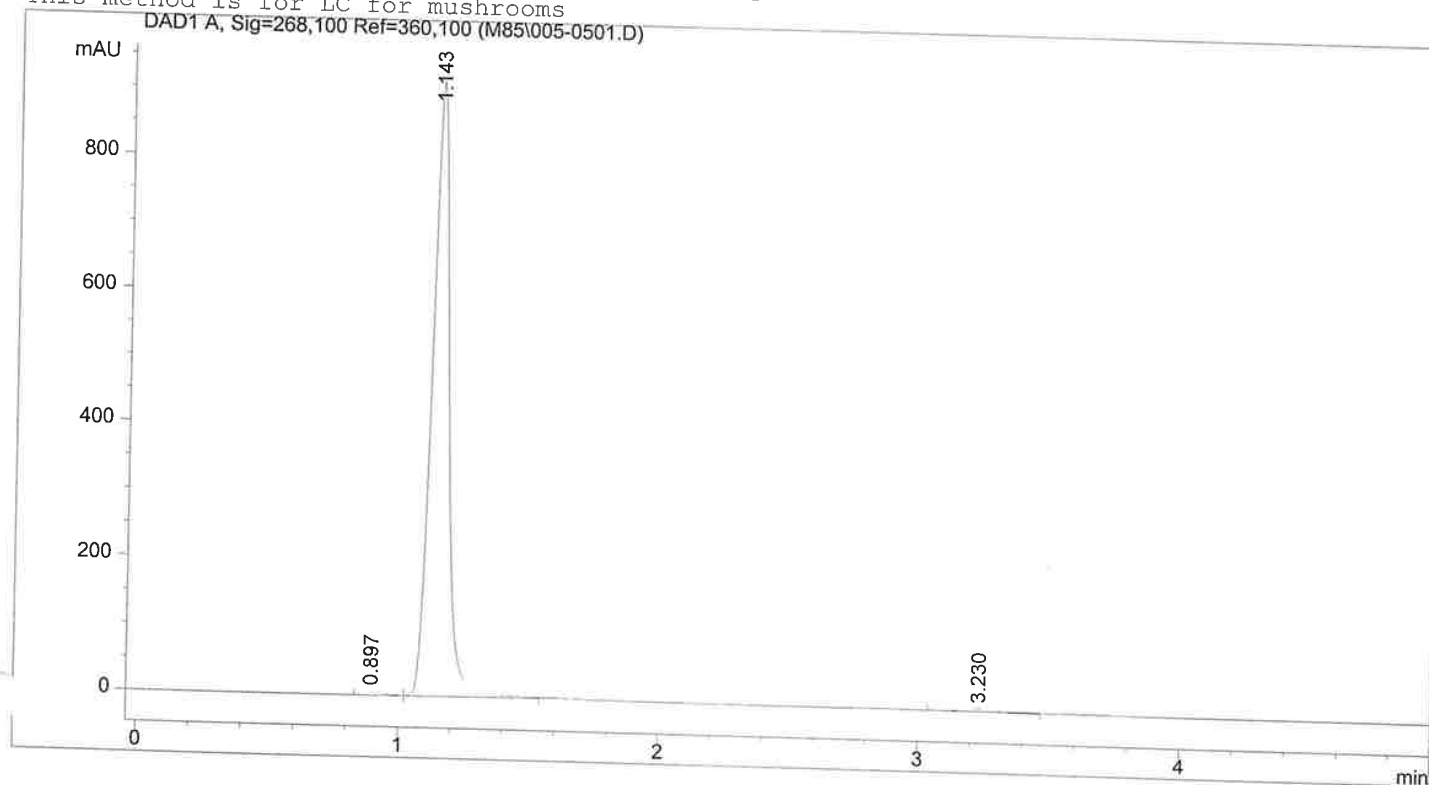
Totals : 22.37611 4.02775

*** End of Report ***

=====

Injection Date	: 3/28/13 12:00:40 PM	Seq. Line	: 5
Sample Name	: DFP-A	Location	: Vial 5
Acq. Operator	: DENOTRIA F. PATTERSON	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC MUSH.M		
Last changed	: 3/22/13 2:02:00 PM by Glen Jay Glenn		
This method is for LC for mushrooms			

DAD1 A, Sig=268,100 Ref=360,100 (M85\005-0501.D)



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Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

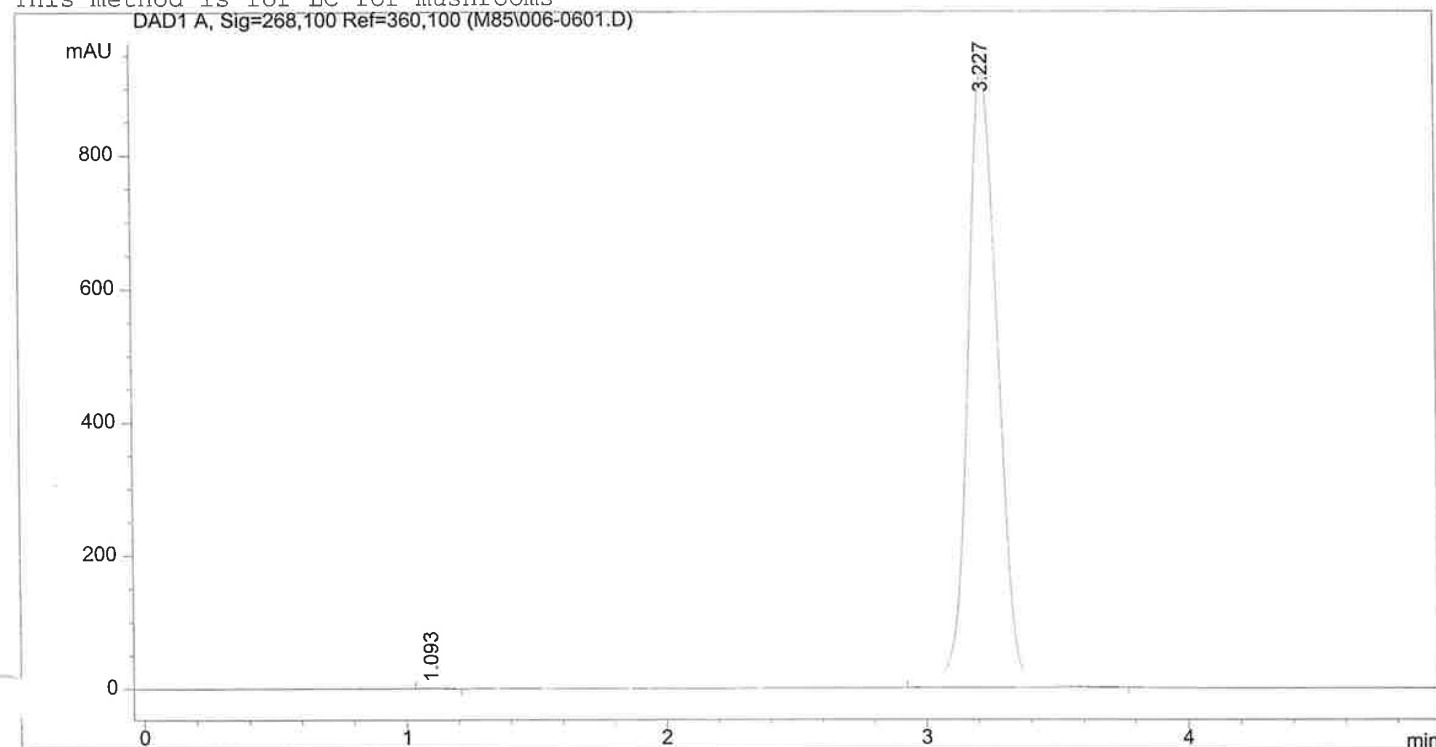
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.897	PV	0.0602	26.96360	6.81345	0.6371
2	1.143	VB	0.0712	4173.92236	915.62769	98.6291
3	3.230	VP	0.1061	31.05314	4.52176	0.7338

Totals : 4231.93911 926.96290

=====
*** End of Report ***
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=====
Injection Date   : 3/28/13 12:06:45 PM      Seq. Line :    6
Sample Name      : DFP-B                    Location  : Vial 6
Acq. Operator    : DENOTRIA F. PATTERSON     Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M85\006-0601.D)
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                          Area Percent Report
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```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
```

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0641	10.86941	2.43616	0.1477
2	3.227	BB	0.1249	7349.85986	923.25903	99.8523

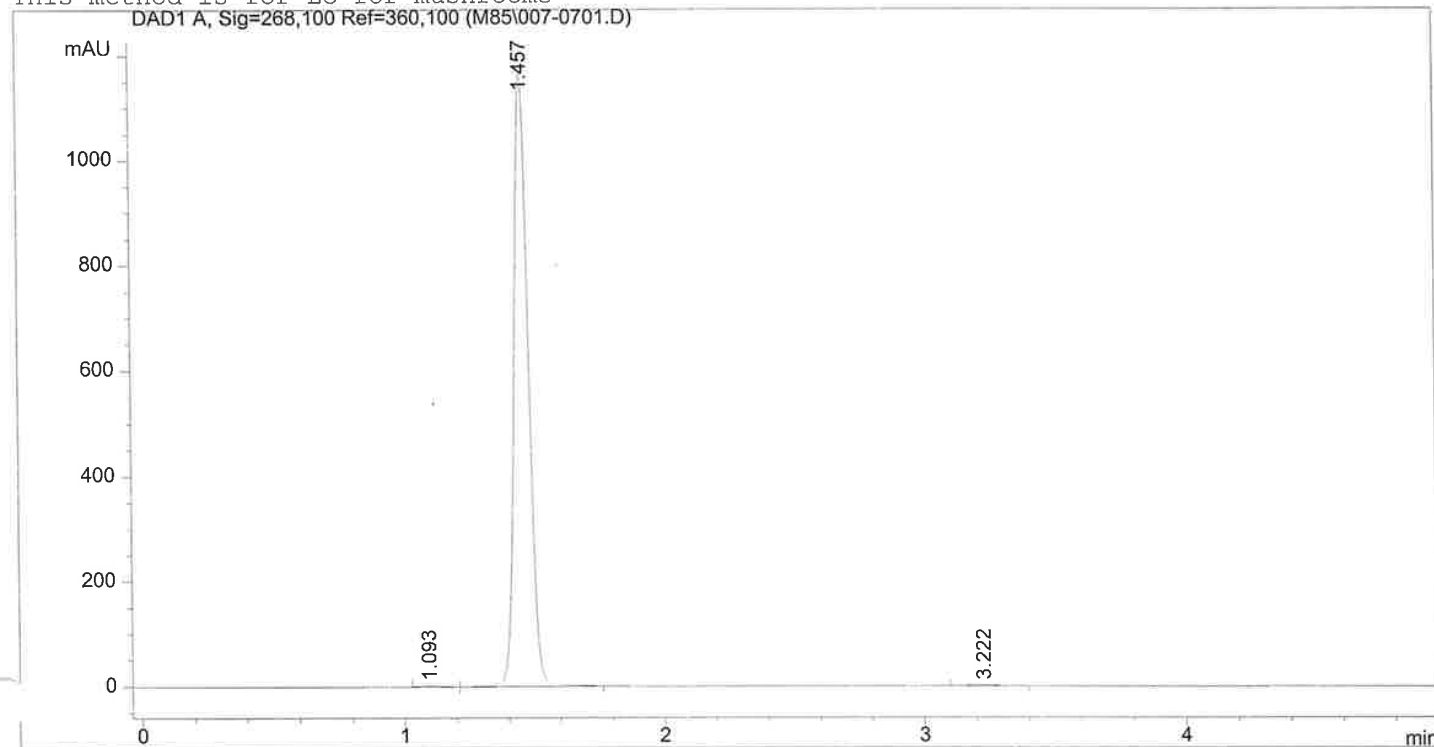
Totals : 7360.72927 925.69520

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*** End of Report ***
=====
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Injection Date	: 3/28/13 12:12:50 PM	Seq. Line	: 7
Sample Name	: DFP-C	Location	: Vial 7
Acq. Operator	: DENOTRIA F. PATTERSON	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms



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Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

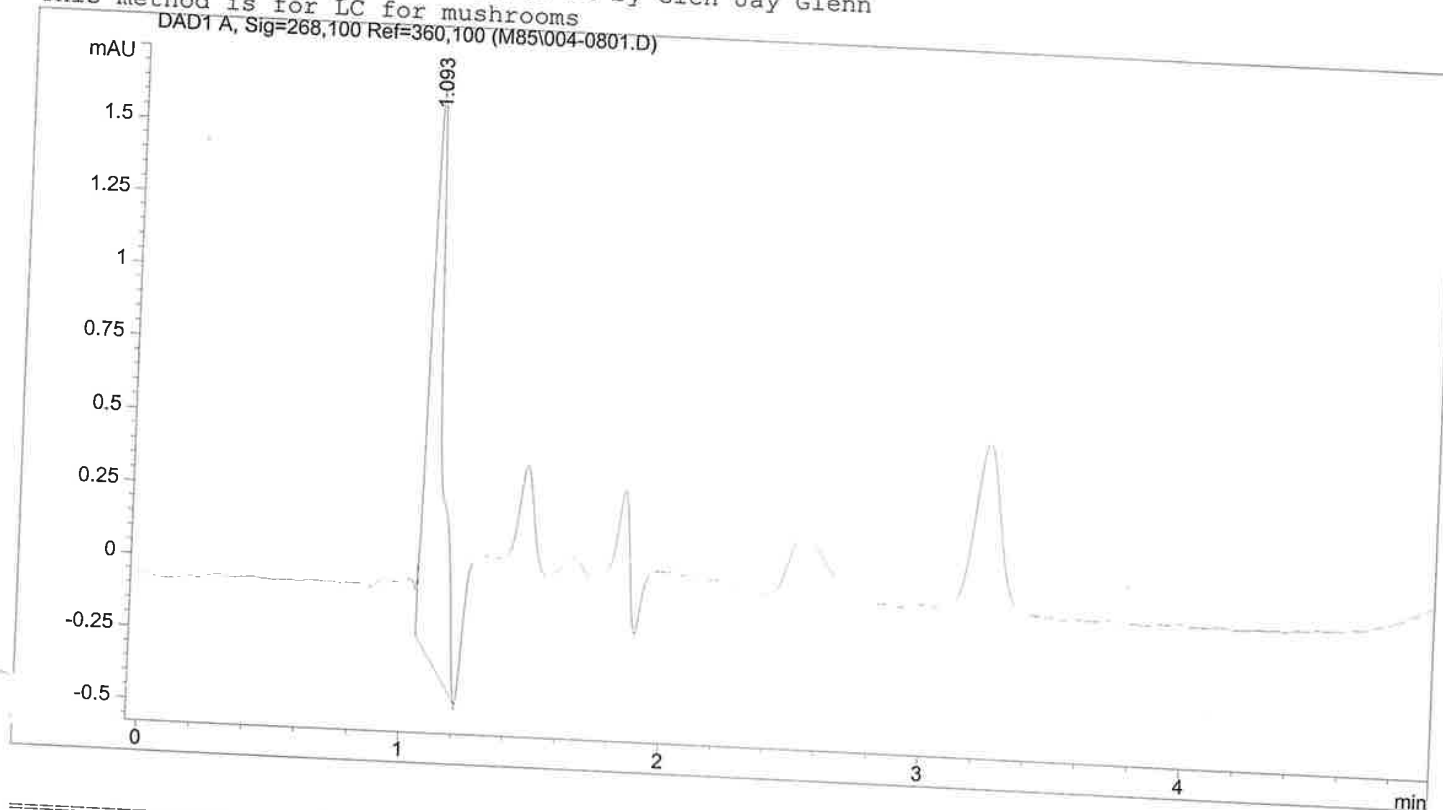
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0653	9.55658	2.09199	0.2140
2	1.457	VB	0.0582	4444.87695	1173.34668	99.5300
3	3.222	BB	0.1039	11.43126	1.71257	0.2560

Totals : 4465.86479 1177.15125

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

Sample Name: BLANK

Injection Date : 3/28/13 12:18:57 PM
Sample Name : BLANK
Acq. Operator : DENOTRIA F. PATTERSON
Seq. Line : 8
Location : Vial 4
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M85\004-0801.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.093	BP	0.0574	7.58310	1.94944	100.0000

Totals : 7.58310 1.94944

*** End of Report ***

HPLC

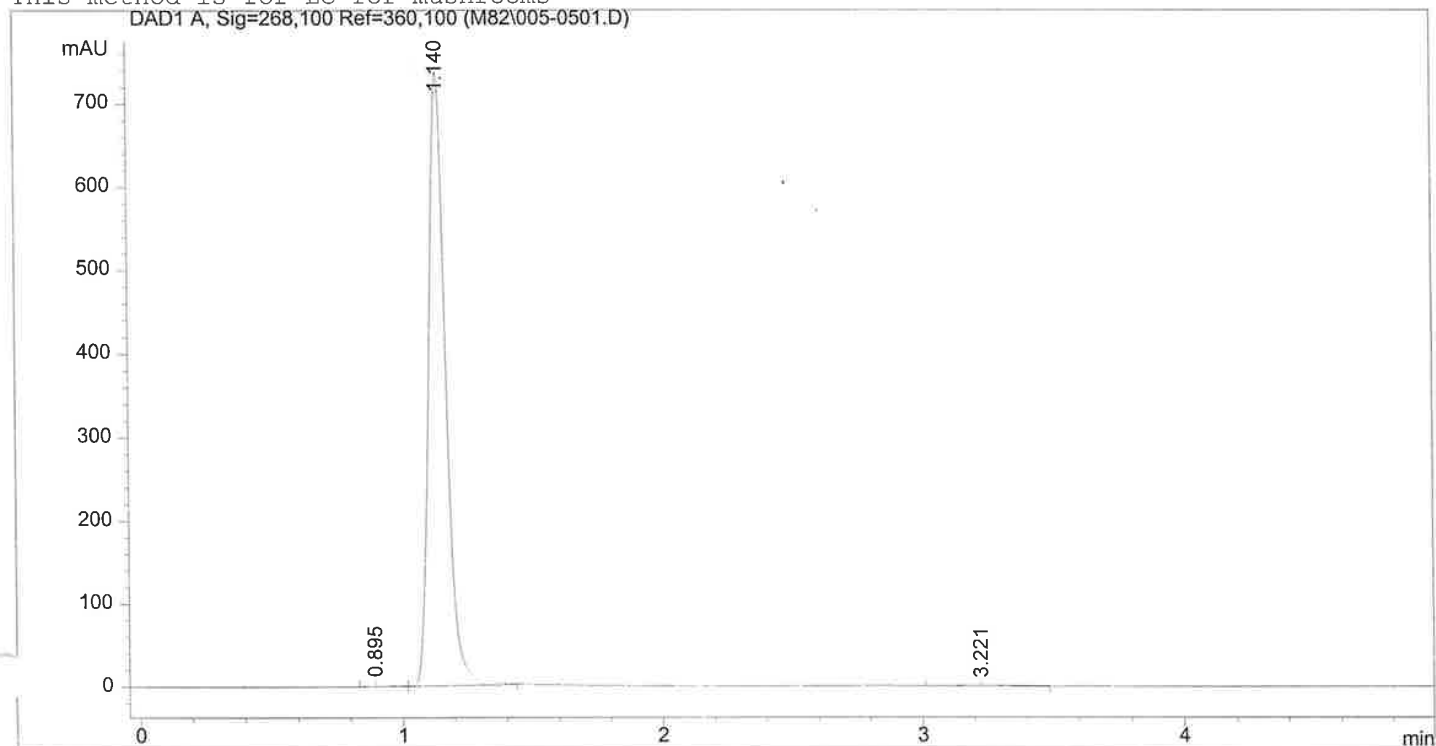
I presume unknown A is Psilocybin,
unknown B is Psilocyn, and unknown C is
Caffeine based on HPLC.

John Scott, Jr.

3/26/13

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=====
Injection Date   : 3/26/13 8:15:04 AM      Seq. Line :    5
Sample Name      : JLS-A                  Location  : Vial 5
Acq. Operator    : John Scott, Jr.         Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/26/13 8:15:56 AM by John Scott, Jr.
                  (modified after loading)
This method is for LC for mushrooms
=====
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=====
                          Area Percent Report
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```

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

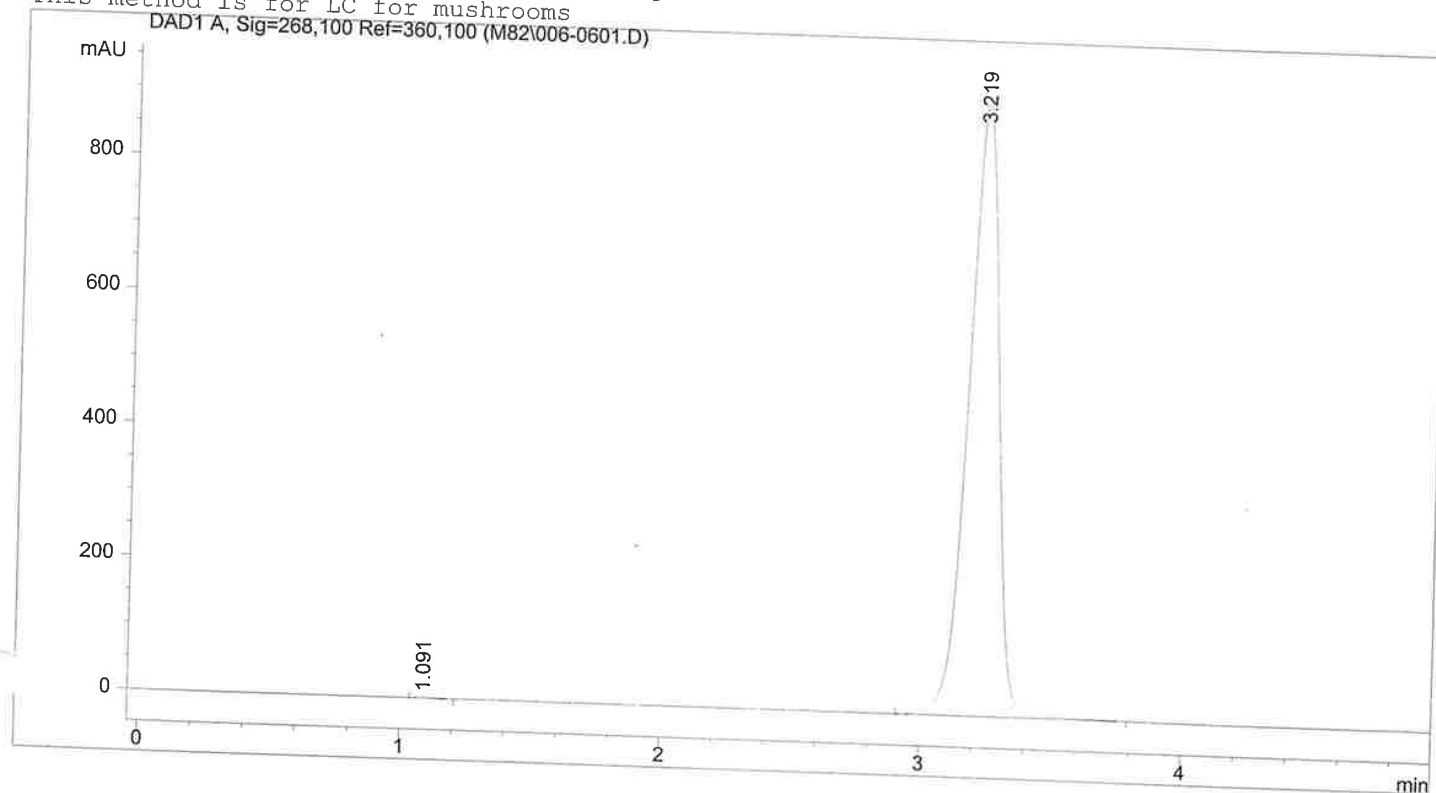
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.895	PP	0.0586	18.00718	4.71139	0.5344
2	1.140	VB	0.0686	3332.87427	739.79572	98.9030
3	3.221	VP	0.1043	18.96113	2.82620	0.5627

Totals : 3369.84258 747.33331

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*** End of Report ***
=====
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=====
Injection Date   : 3/26/13 8:21:14 AM      Seq. Line :    6
Sample Name      : JLS-B                   Location  : Vial 6
Acq. Operator    : John Scott, Jr.          Inj       :    1
                                           Inj Volume: 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed     : 3/26/13 8:21:03 AM by John Scott, Jr.
                  (modified after loading)
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M82\006-0601.D)
=====
```



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=====
Area Percent Report
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```

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0559	10.78833	2.86488	0.1474
2	3.219	BB	0.1252	7309.65723	915.48212	99.8526

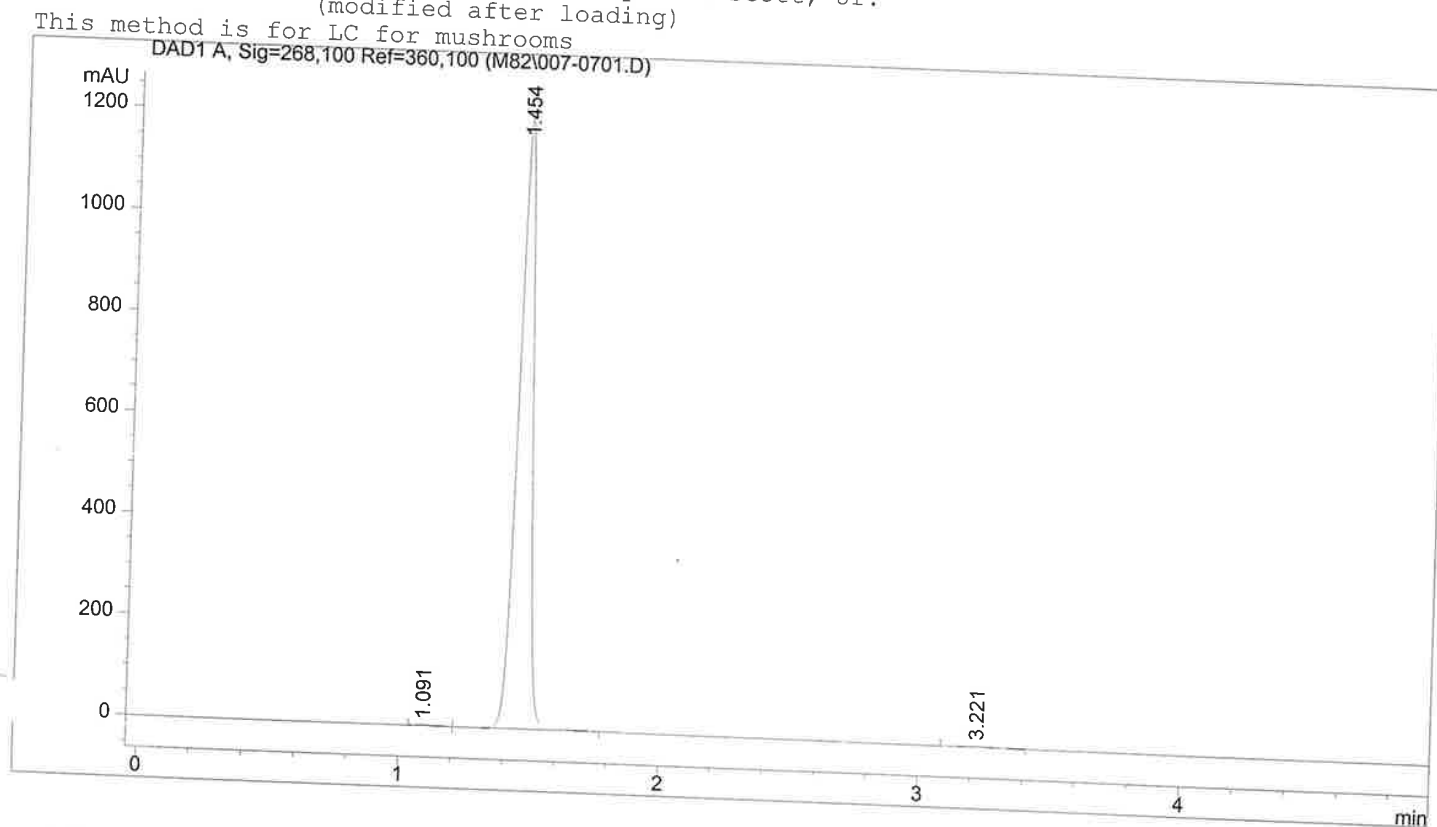
Totals : 7320.44556 918.34700

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

=====

Injection Date	: 3/26/13 8:27:23 AM	Seq. Line	: 7
Sample Name	: JLS-C	Location	: Vial 7
Acq. Operator	: John Scott, Jr.	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC MUSH.M		
Last changed	: 3/26/13 8:27:13 AM by John Scott, Jr.		
	(modified after loading)		

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

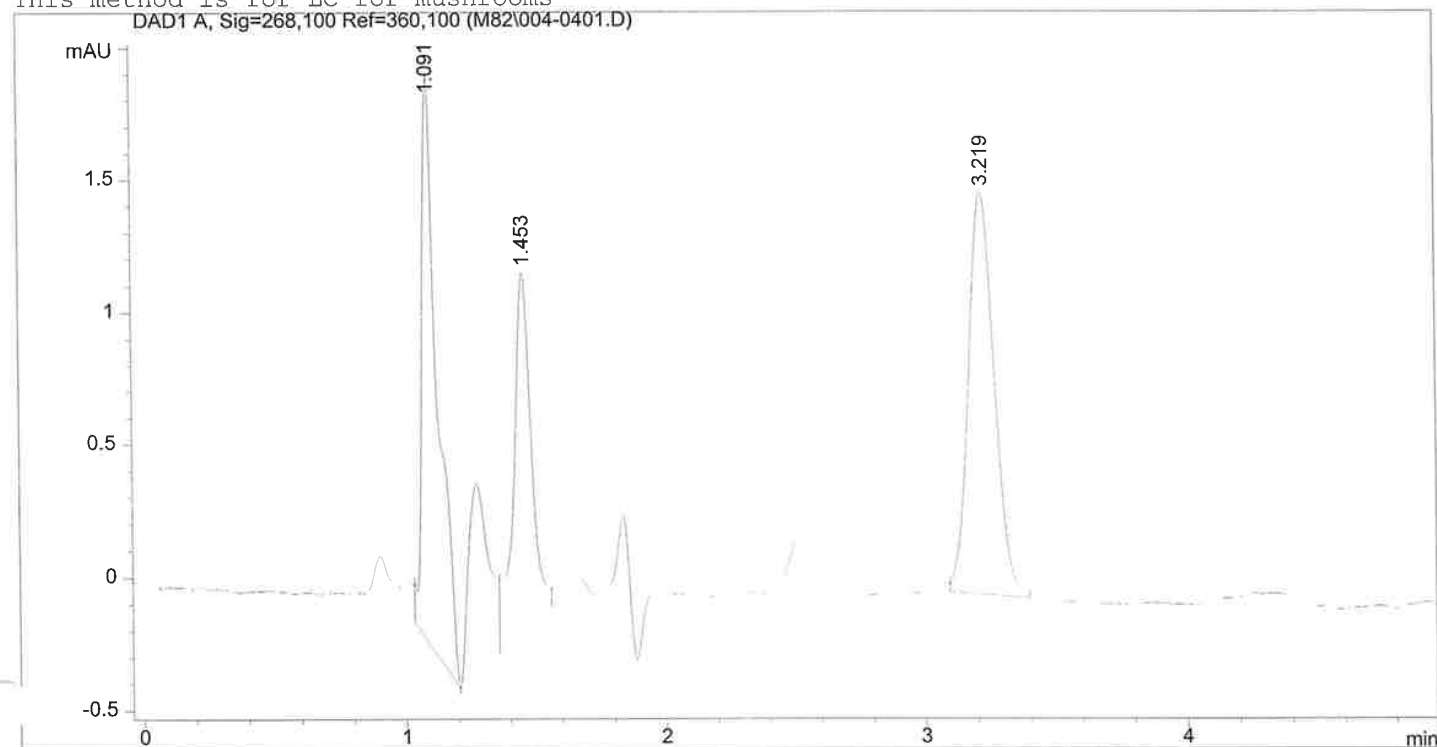
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0591	8.61133	2.13234	0.1869
2	1.454	VB	0.0601	4582.89941	1211.09290	99.4738
3	3.221	BB	0.1089	15.63307	2.25566	0.3393

Totals : 4607.14381 1215.48090

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

```
=====
Injection Date   : 3/26/13 8:08:55 AM      Seq. Line :    4
Sample Name      : Blank                   Location  : Vial 4
Acq. Operator    : John Scott, Jr.         Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M82\004-0401.D)
```



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

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

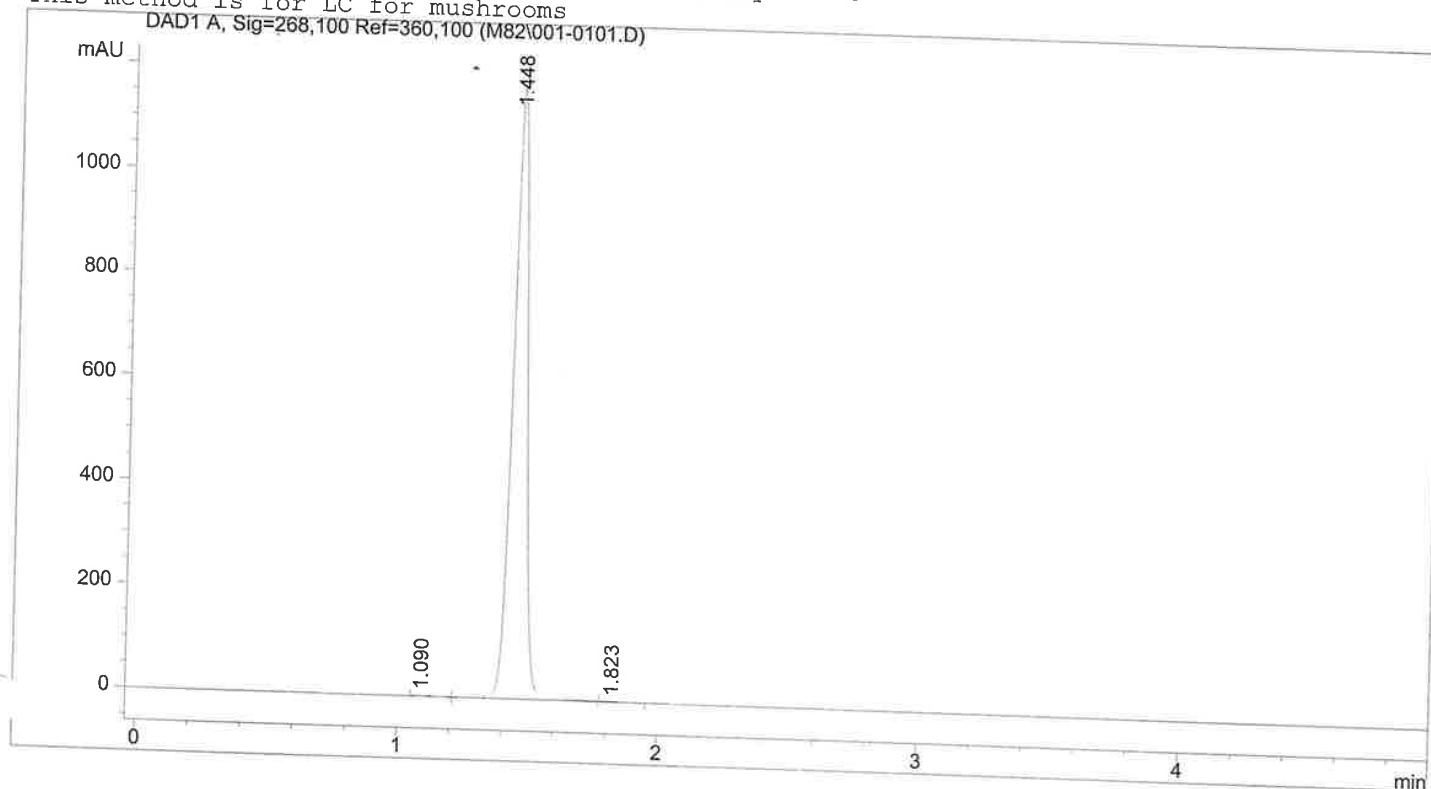
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0602	8.90109	2.15666	34.5908
2	1.453	VB	0.0697	6.44874	1.35177	25.0606
3	3.219	BB	0.1059	10.38272	1.51557	40.3486

Totals : 25.73255 5.02400

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

Injection Date : 3/26/13 7:50:24 AM
Sample Name : Caffeine std
Acq. Operator : John Scott, Jr.
Seq. Line : 1
Location : Vial 1
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.090	BP	0.0543	8.94926	2.46820	0.1991
2	1.448	VB	0.0585	4478.54785	1175.37927	99.6494
3	1.823	BB	0.0825	6.80739	1.12723	0.1515

Totals : 4494.30450 1178.97470

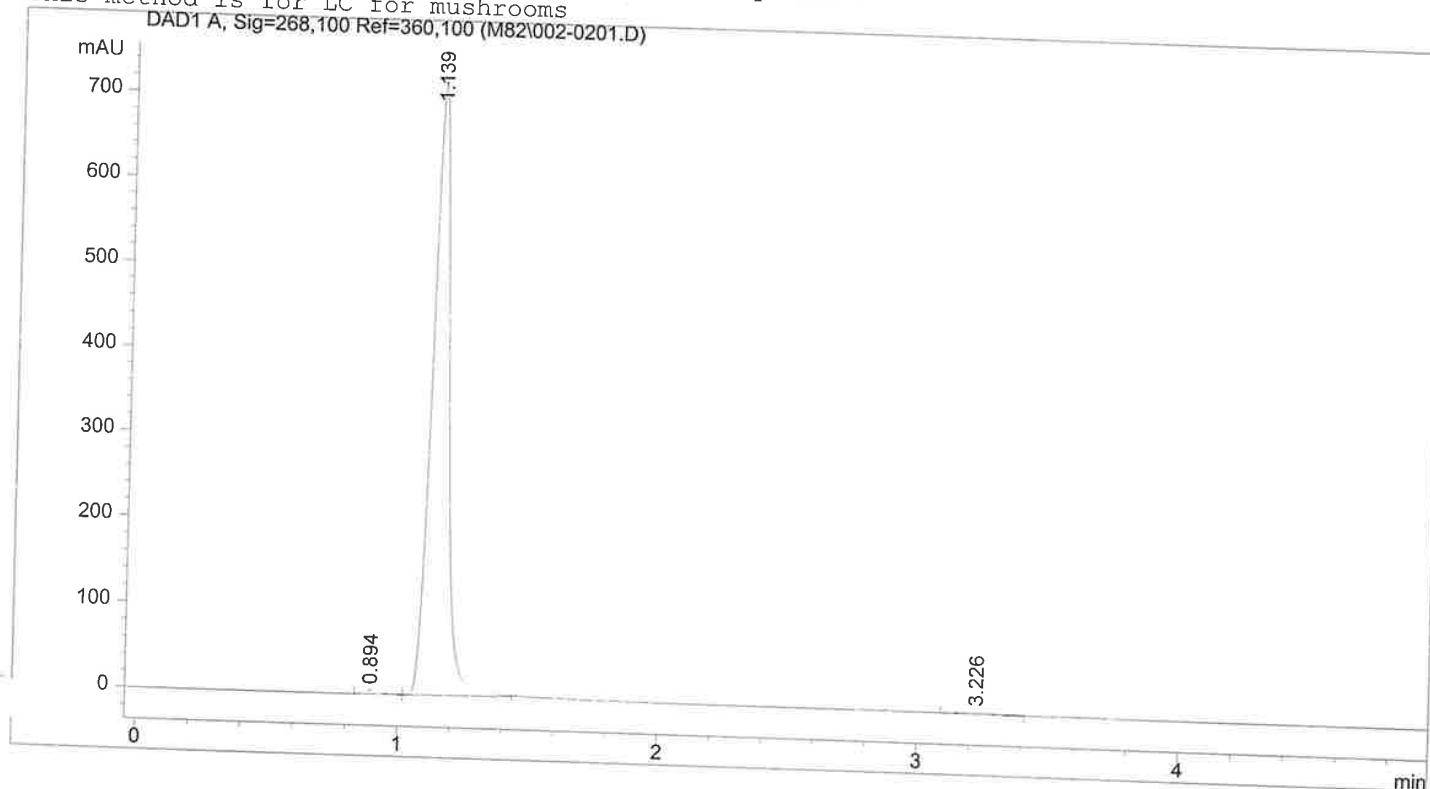
*** End of Report ***

Injection Date : 3/26/13 7:56:35 AM
Sample Name : psilocybin std
Acq. Operator : John Scott, Jr.

Seq. Line : 2
Location : Vial 2
Inj : 1
Inj Volume : 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M82\002-0201.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.894	PP	0.0587	18.05580	4.71285	0.5488
2	1.139	VB	0.0707	3258.18652	720.65723	99.0301
3	3.226	BP	0.1024	13.85544	2.11460	0.4211

Totals : 3290.09776 727.48467

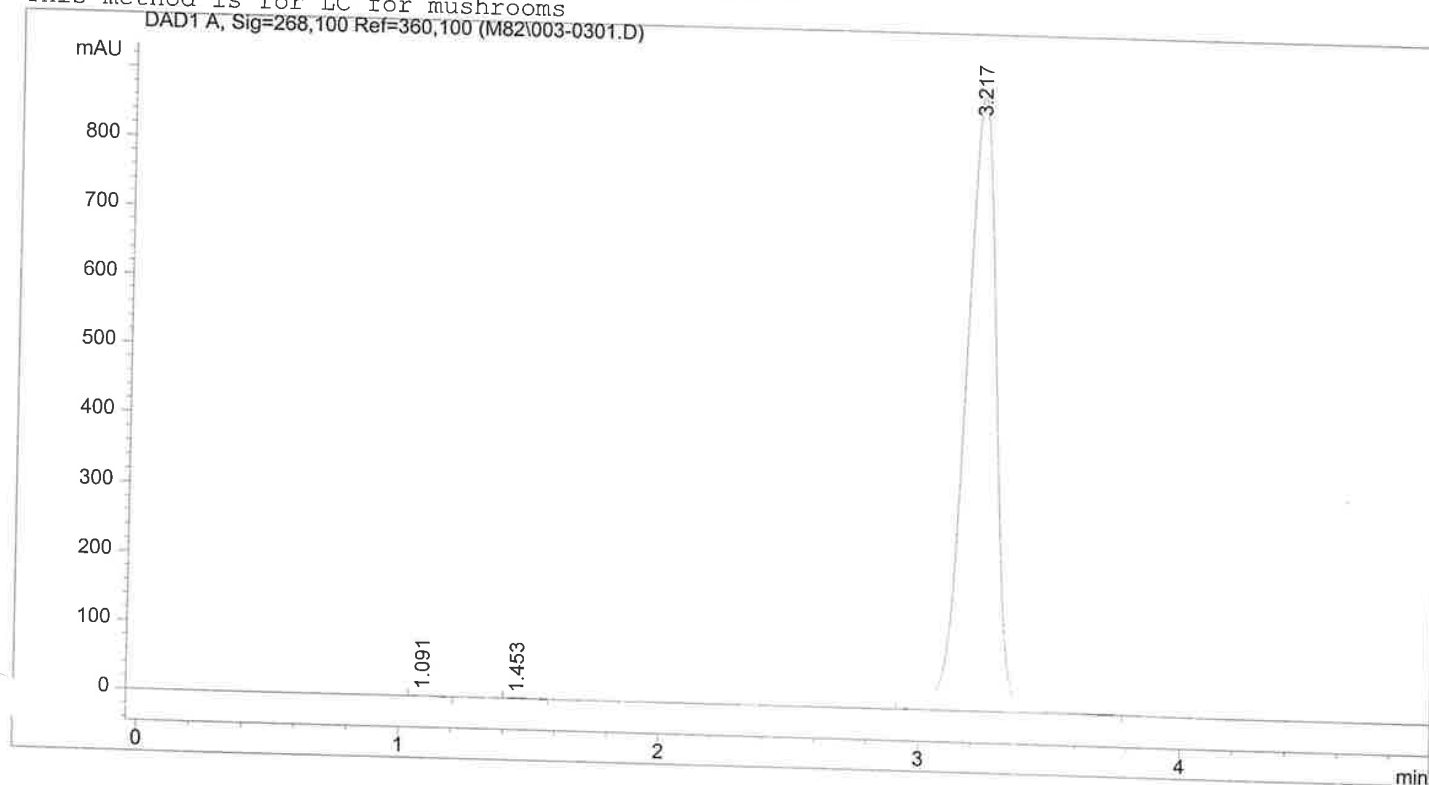
*** End of Report ***

Injection Date : 3/26/13 8:02:45 AM
Sample Name : Psilocyn std
Acq. Operator : John Scott, Jr.

Seq. Line : 3
Location : Vial 3
Inj : 1
Inj Volume : 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M82\003-0301.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0586	9.87320	2.47066	0.1377
2	1.453	VP	0.0730	5.71434	1.13012	0.0797
3	3.217	BB	0.1278	7154.55957	889.95306	99.7826

Totals : 7170.14711 893.55384

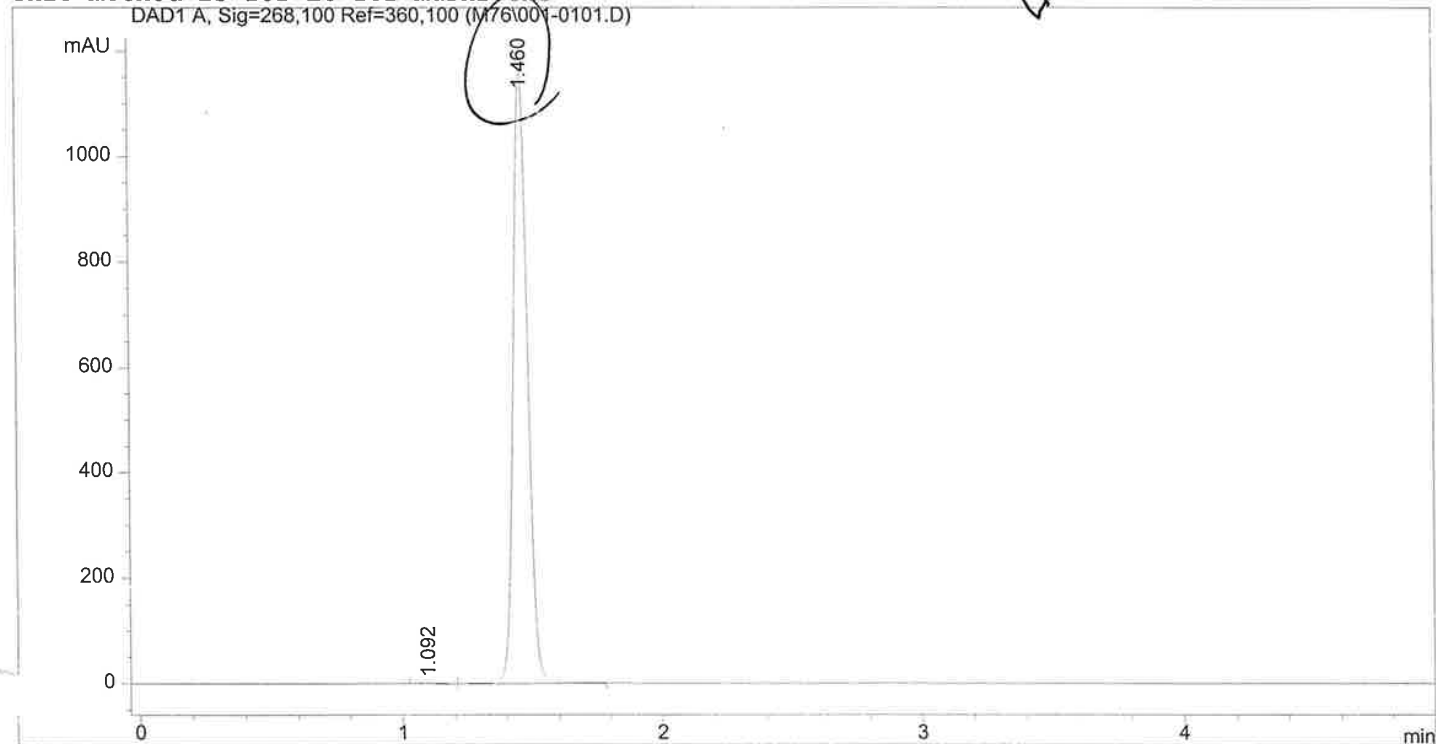
*** End of Report ***

=====

Injection Date	: 3/22/13 12:09:22 PM	Seq. Line	: 1
Sample Name	: Caffeine std	Location	: Vial 1
Acq. Operator	: William Stanton	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/21/13 4:21:16 PM by LAURA ADAMS

This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M76\001-0101.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0552	9.00194	2.43176	0.2010
2	1.460	VB	0.0604	4470.35303	1173.34973	99.7990

Totals : 4479.35496 1175.78150

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

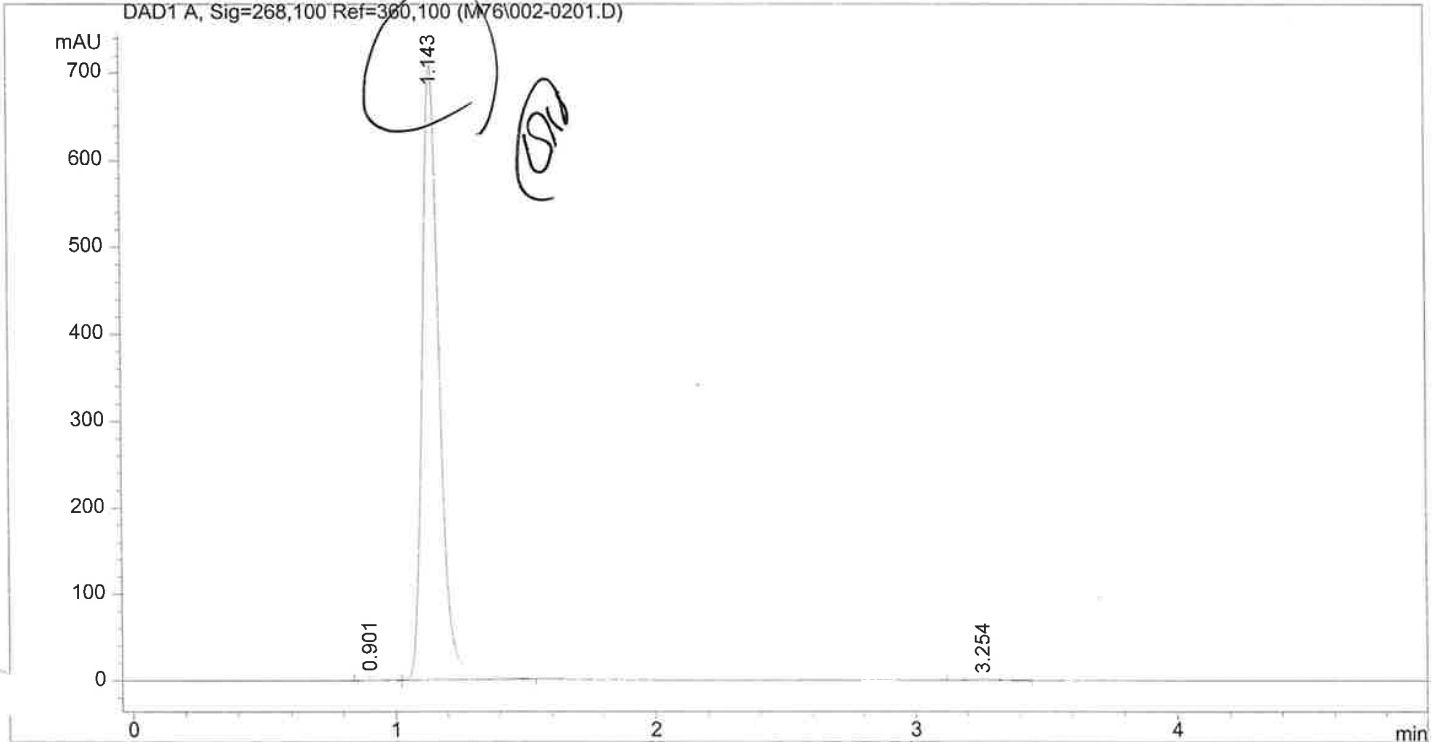
=====

Injection Date	: 3/22/13 12:15:31 PM	Seq. Line	: 2
Sample Name	: Psilocybin std	Location	: Vial 2
Acq. Operator	: William Stanton	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/21/13 4:21:16 PM by LAURA ADAMS

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M76\002-0201.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

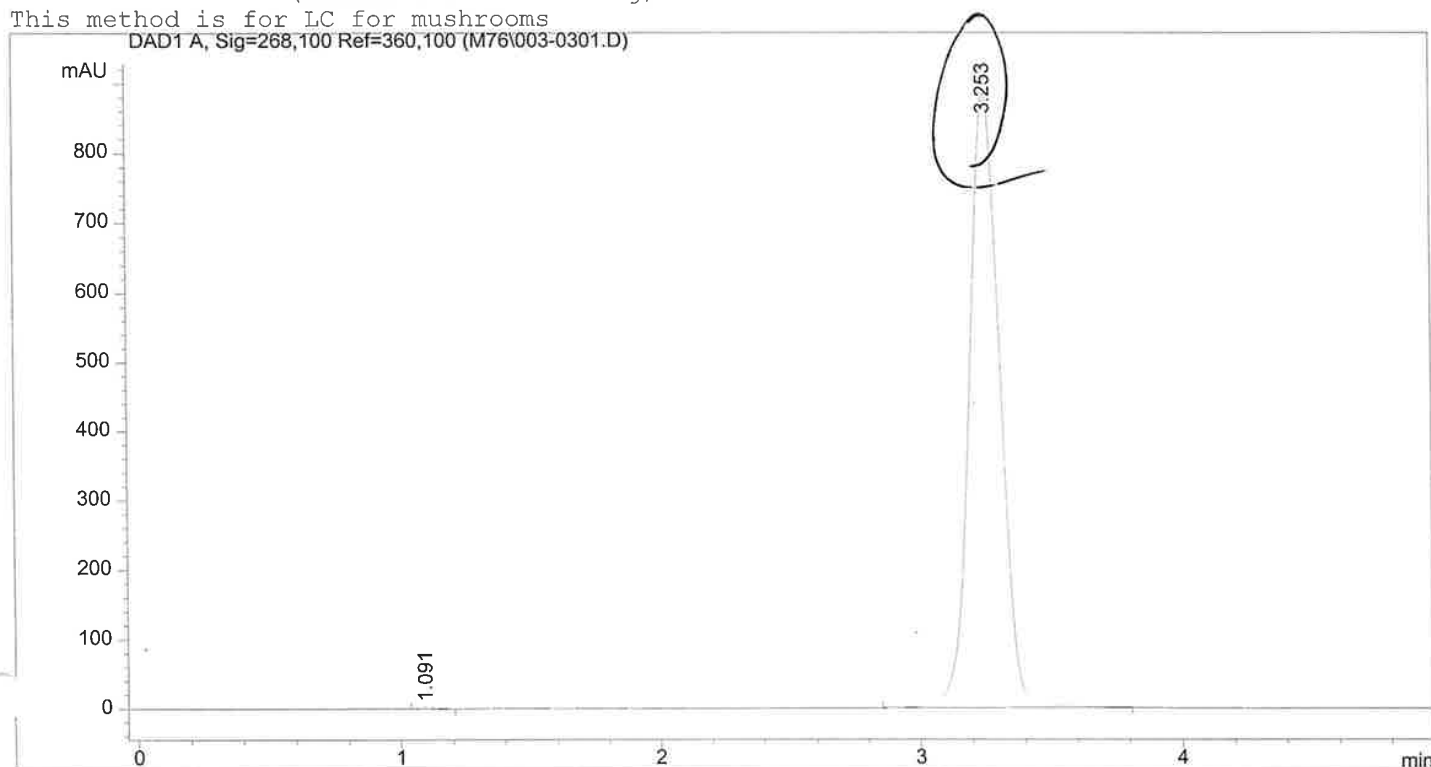
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PP	0.0592	17.48320	4.51743	0.5413
2	1.143	VB	0.0685	3199.60767	711.47833	99.0700
3	3.254	BP	0.1056	12.55302	1.88797	0.3887

Totals : 3229.64388 717.88374

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

```
=====
Injection Date   : 3/22/13 12:21:42 PM      Seq. Line :    3
Sample Name      : Psilocyn std             Location  : Vial 3
Acq. Operator    : William Stanton          Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/22/13 12:22:25 PM by William Stanton
                  (modified after loading)
This method is for LC for mushrooms
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

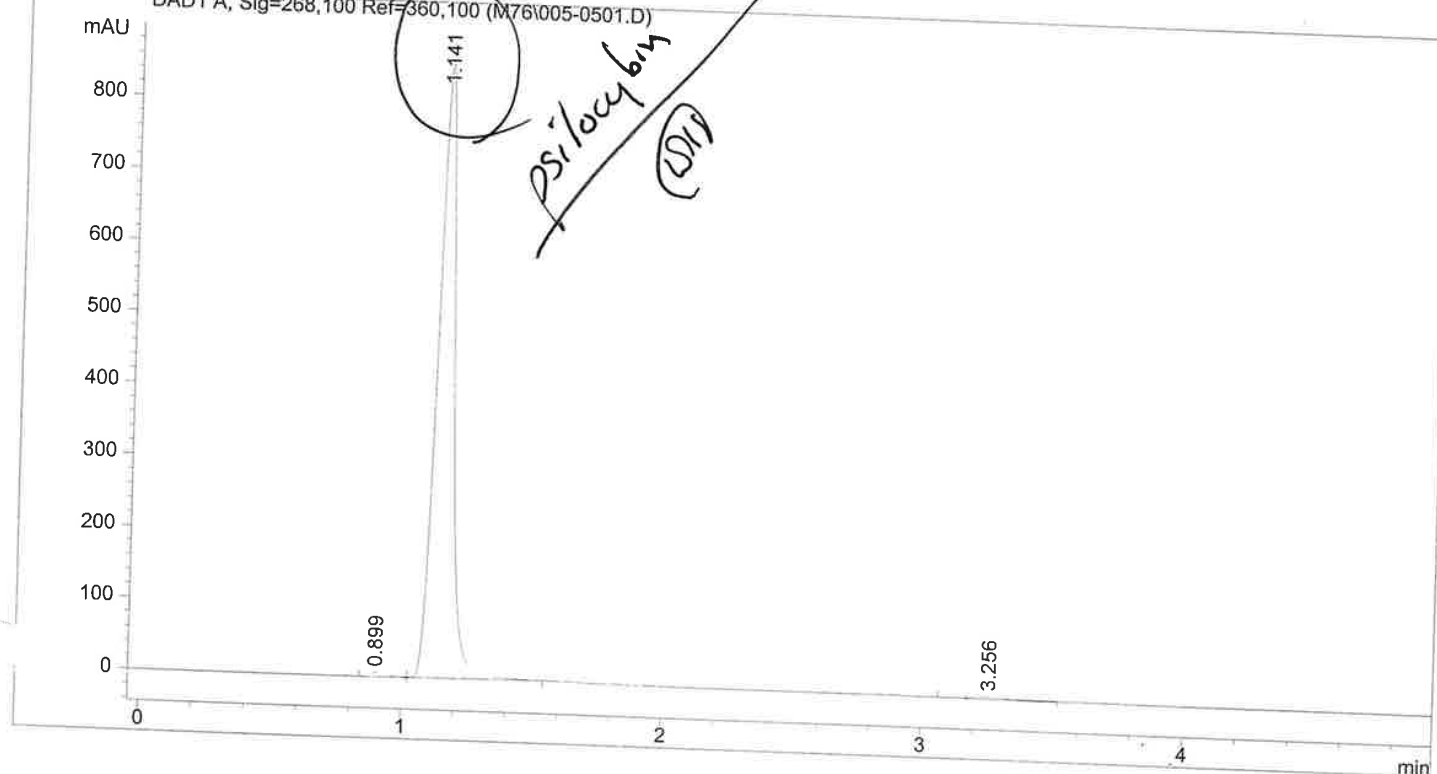
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0549	9.46159	2.57575	0.1315
2	3.253	BB	0.1286	7184.03711	885.55261	99.8685

Totals : 7193.49870 888.12836

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

Injection Date : 3/22/13 12:34:01 PM Seq. Line : 5
Sample Name : A Location : Vial 5
Acq. Operator : William Stanton Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/22/13 12:33:43 PM by William Stanton
(modified after loading)

This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M76\005-0501.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.899	PP	0.0589	23.12857	6.00825	0.5879
2	1.141	VB	0.0688	3889.71289	859.10071	98.8784
3	3.256	VP	0.1061	20.99504	3.05942	0.5337

Totals : 3933.83650 868.16838

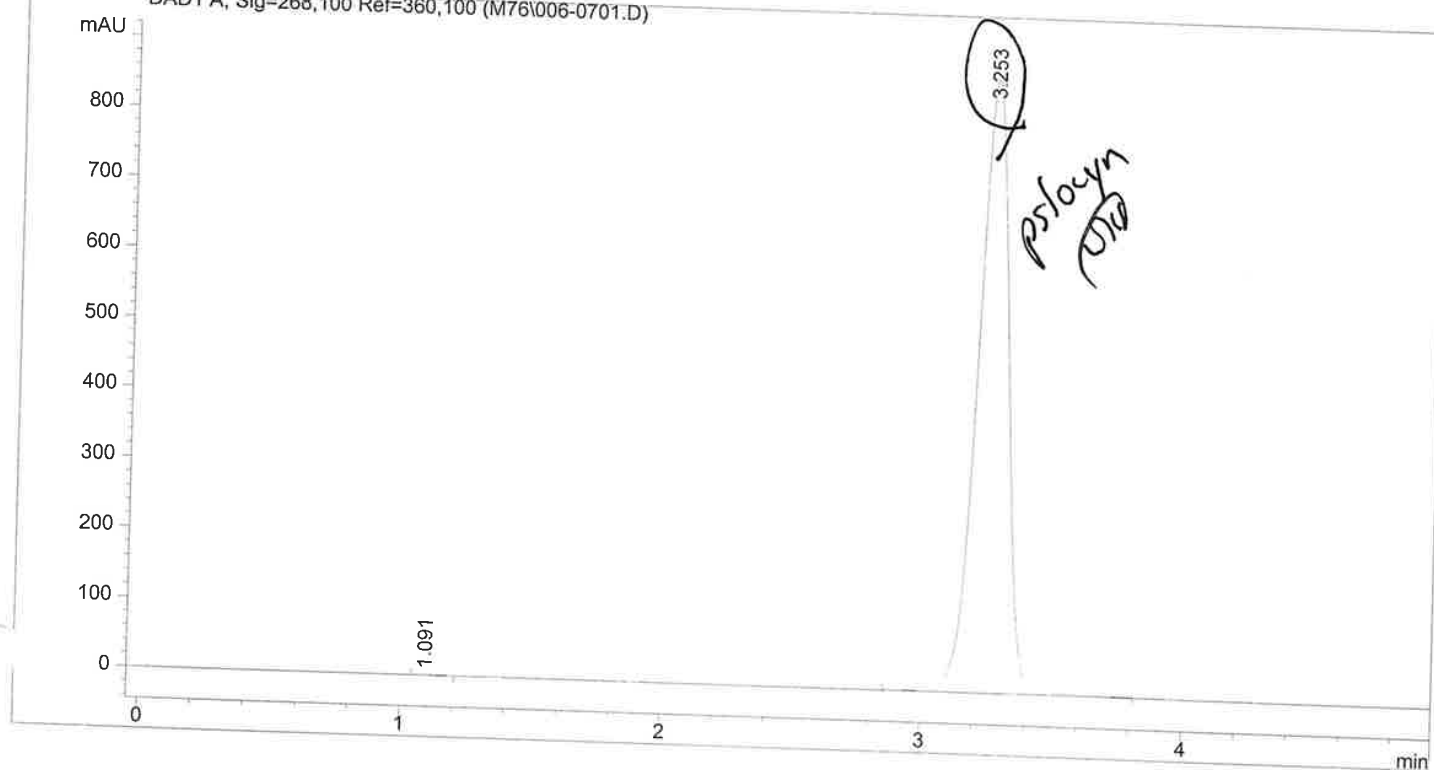
*** End of Report ***

=====

Injection Date	: 3/22/13 12:46:21 PM	Seq. Line	: 7
Sample Name	: B	Location	: Vial 6
Acq. Operator	: William Stanton	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC_MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC_MUSH.M		
Last changed	: 3/22/13 12:46:02 PM by William Stanton		
	(modified after loading)		

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M76\006-0701.D)

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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0540	9.40573	2.60980	0.1318
2	3.253	BB	0.1287	7127.53418	878.27667	99.8682

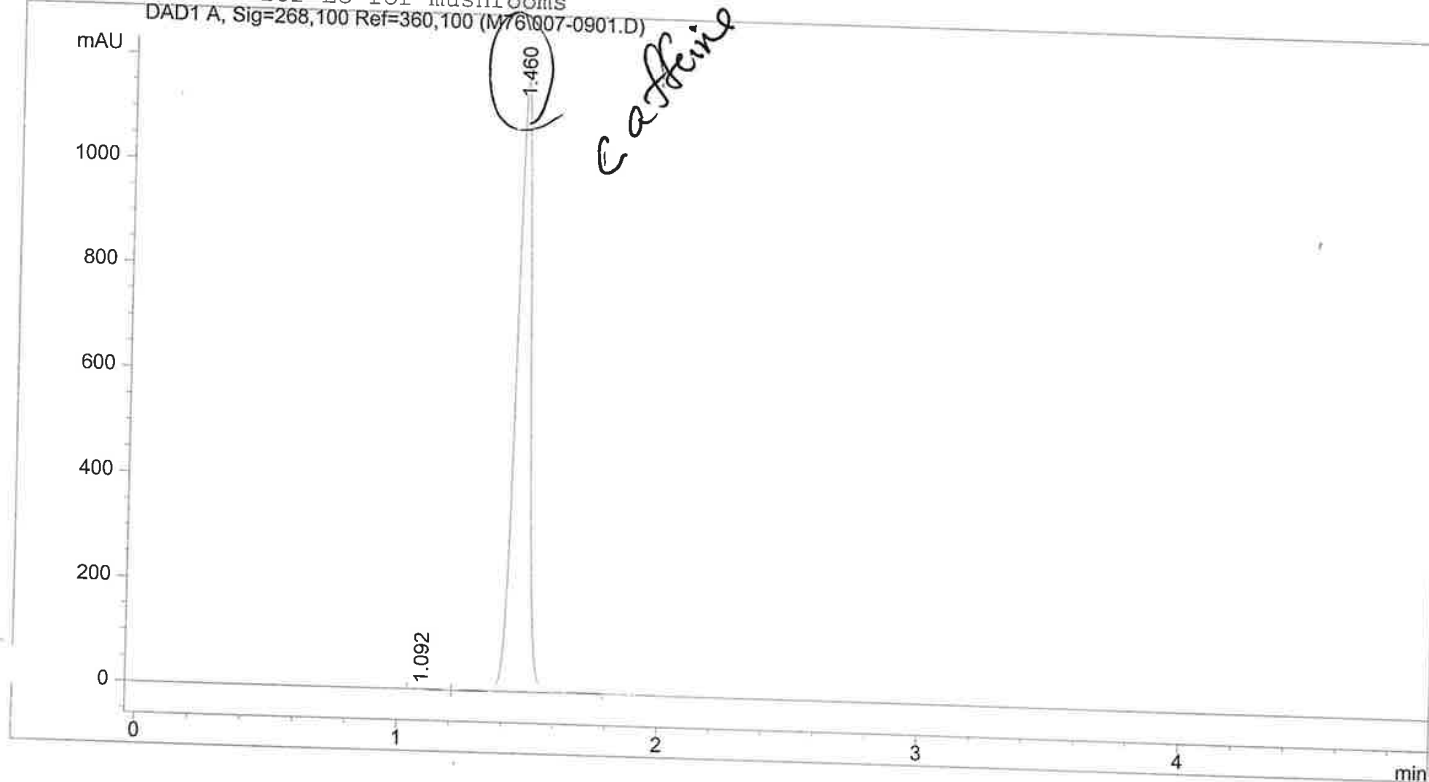
Totals : 7136.93991 880.88648

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

Injection Date : 3/22/13 12:58:41 PM Seq. Line : 9
Sample Name : C Location : Vial 7
Acq. Operator : William Stanton Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/22/13 12:58:22 PM by William Stanton
(modified after loading)

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M76\007-0901.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0537	9.70085	2.71161	0.2161
2	1.460	VB	0.0604	4479.74609	1176.06213	99.7839

Totals : 4489.44695 1178.77374

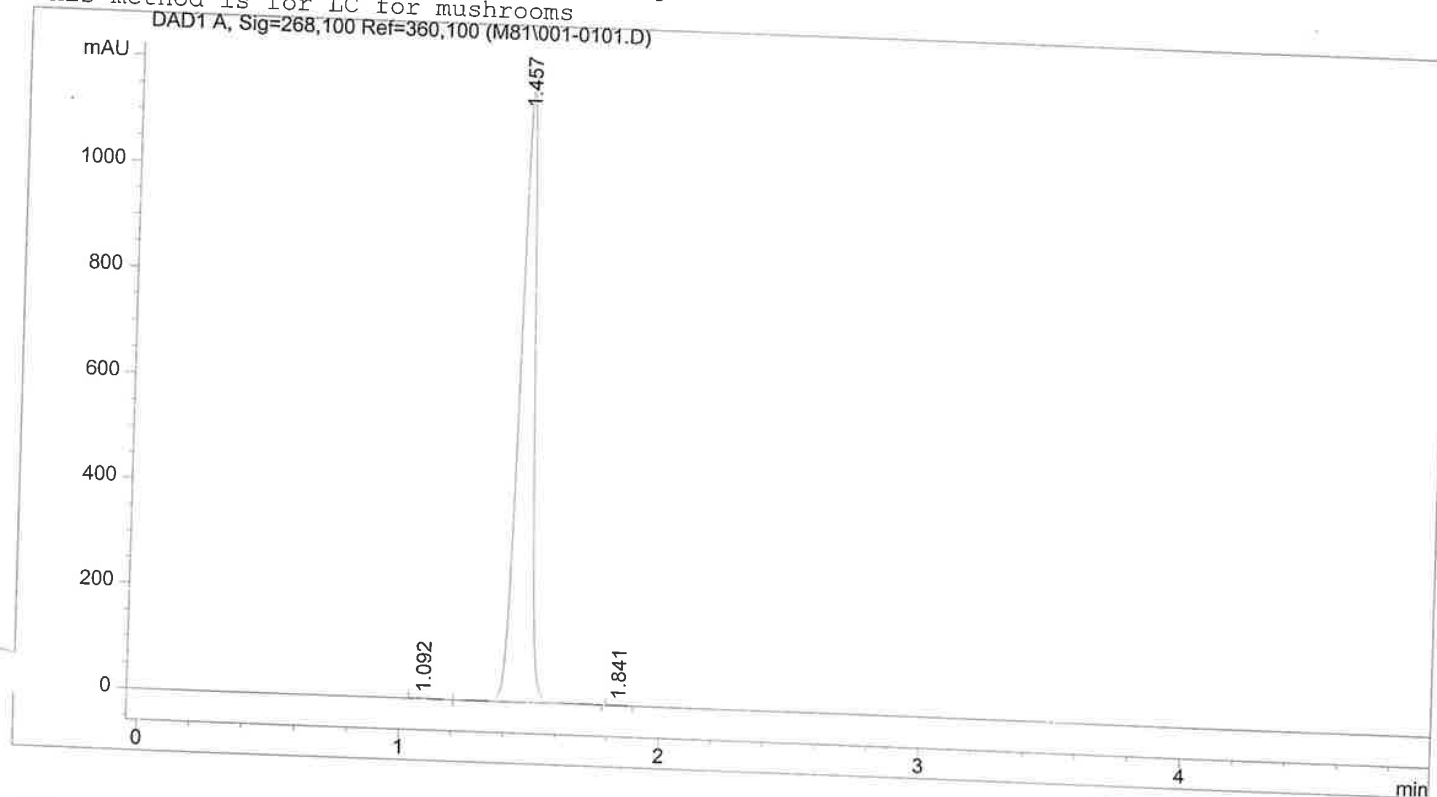
*** End of Report ***

Injection Date : 3/25/13 1:15:26 PM
Sample Name : Caffeine std
Acq. Operator : Jennifer A Sullivan
Seq. Line : 1
Location : Vial 1
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/25/13 1:16:15 PM by Jennifer A Sullivan
(modified after loading)

3/25/13

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M81\001-0101.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0550	8.01162	2.17365	0.1784
2	1.457	VB	0.0606	4476.60840	1171.09717	99.6989
3	1.841	BV	0.0697	5.50636	1.15417	0.1226

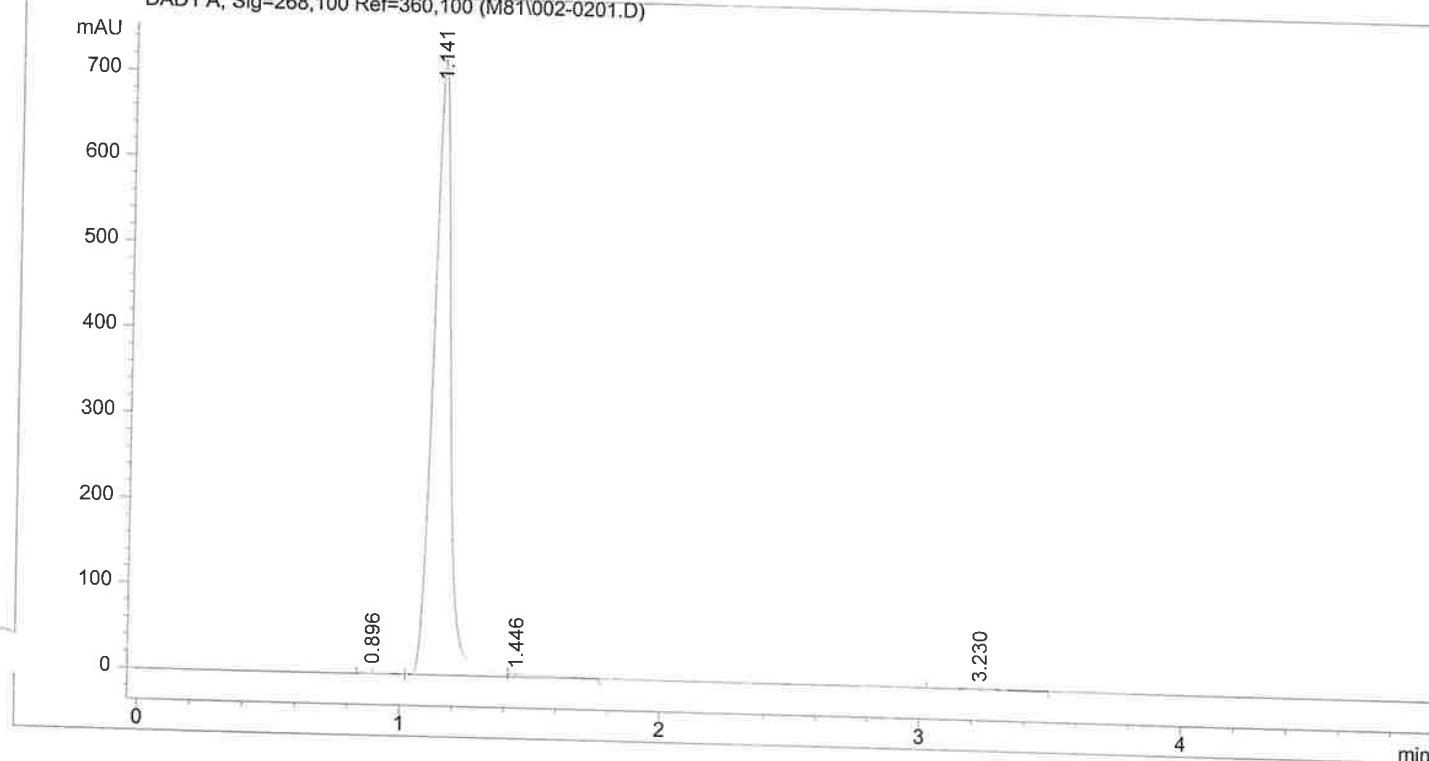
Totals : 4490.12637 1174.42499

*** End of Report ***

Injection Date : 3/25/13 1:21:36 PM Seq. Line : 2
Sample Name : psilocybin std Location : Vial 2
Acq. Operator : Jennifer A Sullivan Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/25/13 1:21:23 PM by Jennifer A Sullivan
(modified after loading)

3/25/13

This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M81\002-0201.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.896	PV	0.0632	20.20126	4.79313	0.6008
2	1.141	VV	0.0713	3288.19678	720.14587	97.7920
3	1.446	VB	0.1463	38.04431	3.35582	1.1314
4	3.230	VP	0.1043	15.99786	2.38293	0.4758

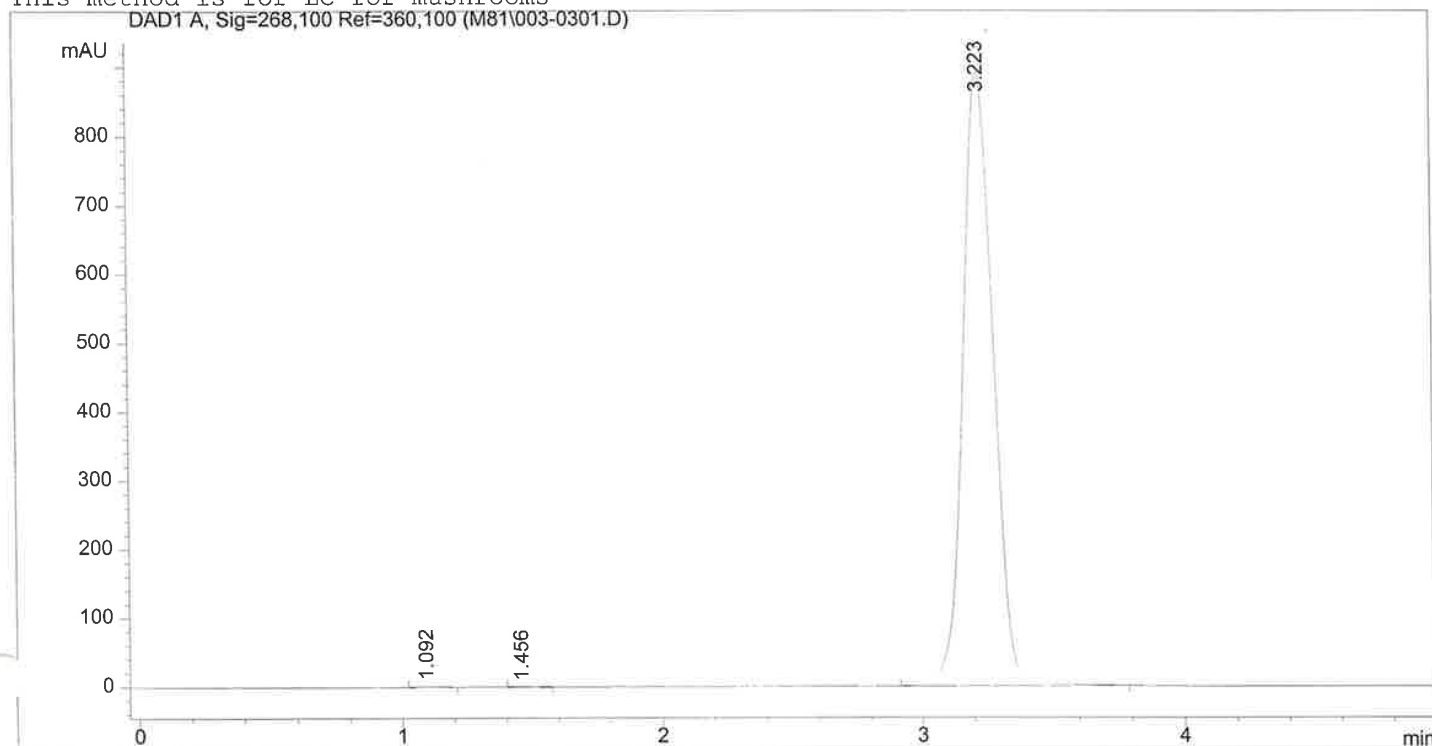
Totals : 3362.44021 730.67775

*** End of Report ***

=====

Injection Date	: 3/25/13 1:27:44 PM	Seq. Line	: 3
Sample Name	: Psilocyn std	Location	: Vial 3
Acq. Operator	: Jennifer A Sullivan	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC_MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC_MUSH.M		
Last changed	: 3/25/13 1:27:33 PM by Jennifer A Sullivan		
	(modified after loading)		

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0668	11.63299	2.47459	0.1618
2	1.456	VP	0.0729	5.47405	1.08347	0.0761
3	3.223	BB	0.1259	7174.84473	891.66241	99.7621

Totals : 7191.95177 895.22048

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

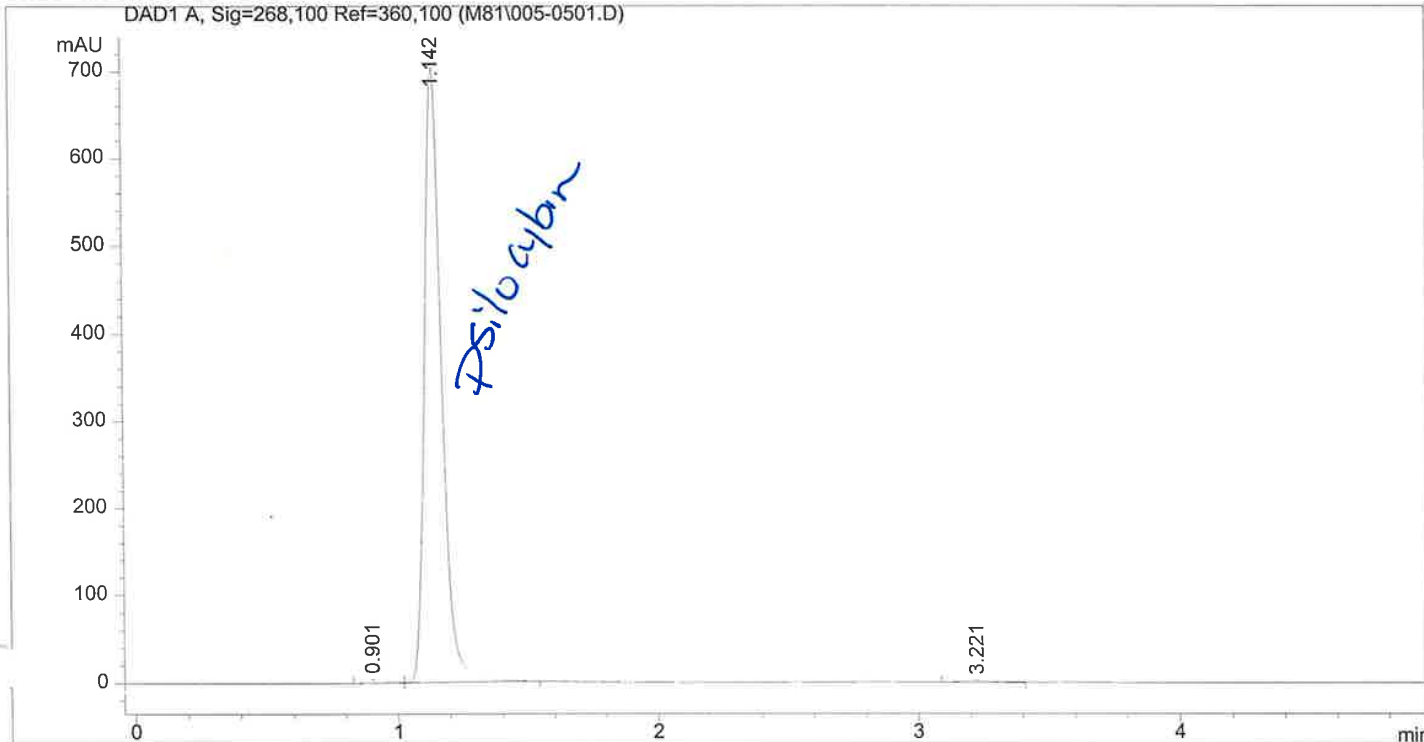
=====

Injection Date	: 3/25/13 1:40:03 PM	Seq. Line	: 5
Sample Name	: A	Location	: Vial 5
Acq. Operator	: Jennifer A Sullivan	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/25/13 1:39:52 PM by Jennifer A Sullivan
(modified after loading)

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M81\005-0501.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.901	PP	0.0597	16.78371	4.28726	0.5213
2	1.142	VB	0.0688	3187.45020	704.63440	99.0103
3	3.221	BP	0.1036	15.07715	2.26766	0.4683

Totals : 3219.31106 711.18932

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

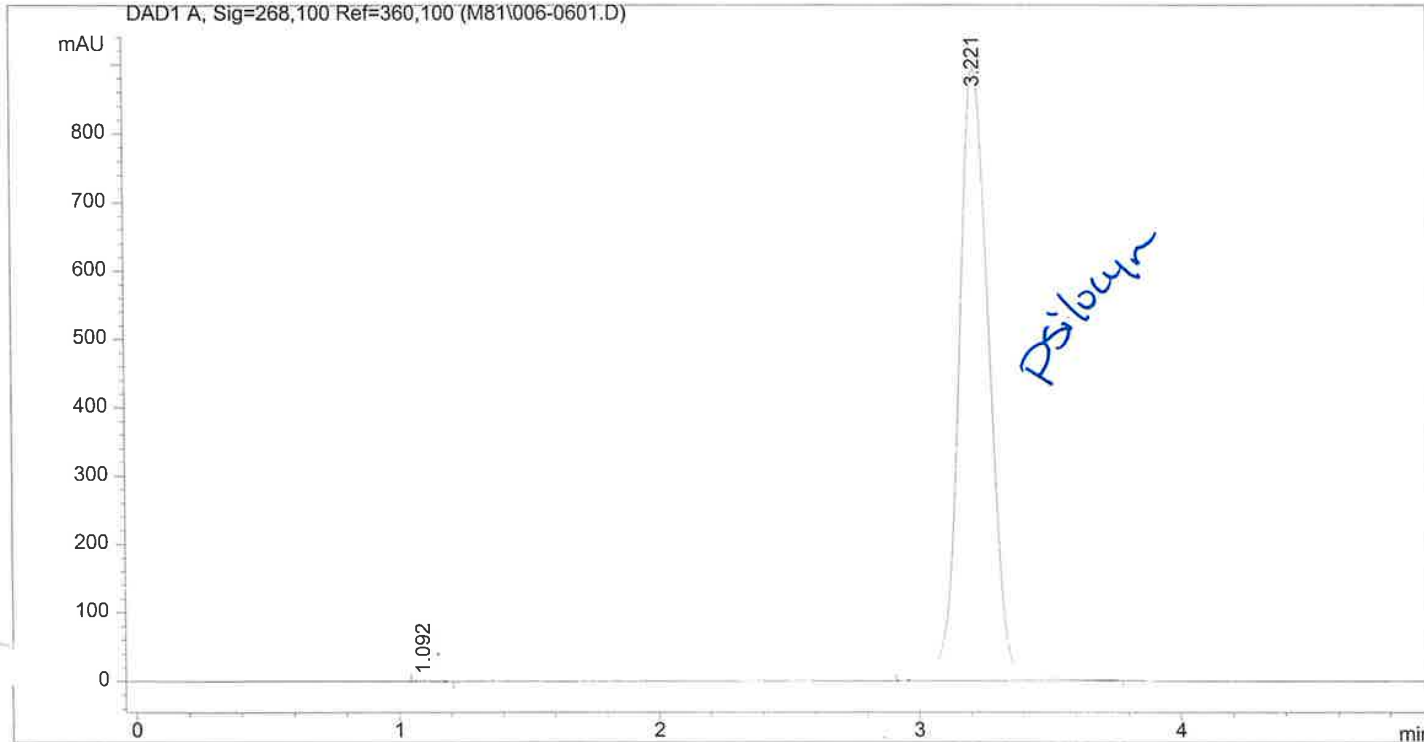
=====

Injection Date	: 3/25/13 1:46:13 PM	Seq. Line	: 6
Sample Name	: B	Location	: Vial 6
Acq. Operator	: Jennifer A Sullivan	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/25/13 1:46:00 PM by Jennifer A Sullivan
(modified after loading)

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M81\006-0601.D)



=====

Area Percent Report

=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0590	10.73430	2.66647	0.1504
2	3.221	BB	0.1246	7126.20312	897.35712	99.8496

Totals : 7136.93742 900.02359

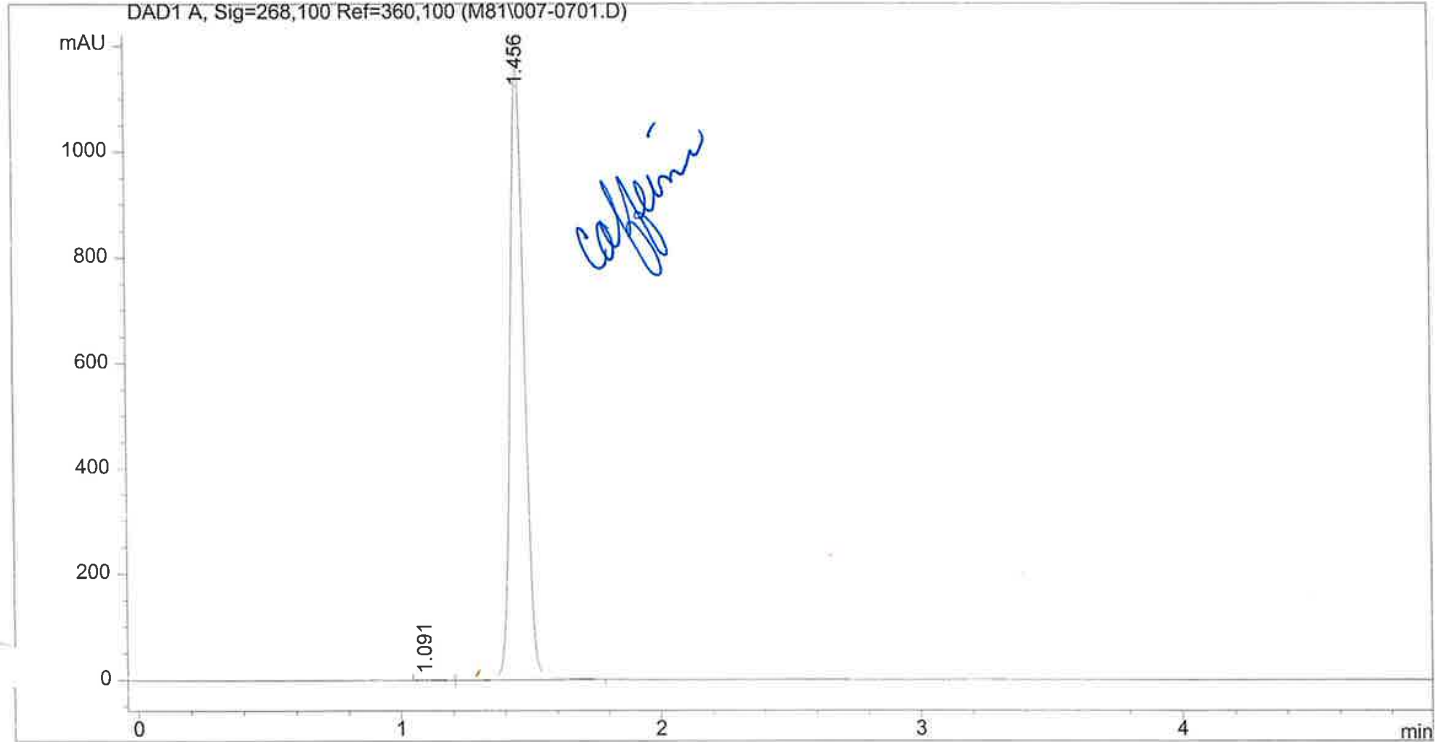
=====

*** End of Report ***

Injection Date : 3/25/13 1:52:22 PM Seq. Line : 7
Sample Name : C Location : Vial 7
Acq. Operator : Jennifer A Sullivan Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/25/13 1:52:09 PM by Jennifer A Sullivan
(modified after loading)

3/25/13

This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0586	8.59001	2.15166	0.1945
2	1.456	VB	0.0601	4406.81982	1166.90784	99.8055

Totals : 4415.40984 1169.05950

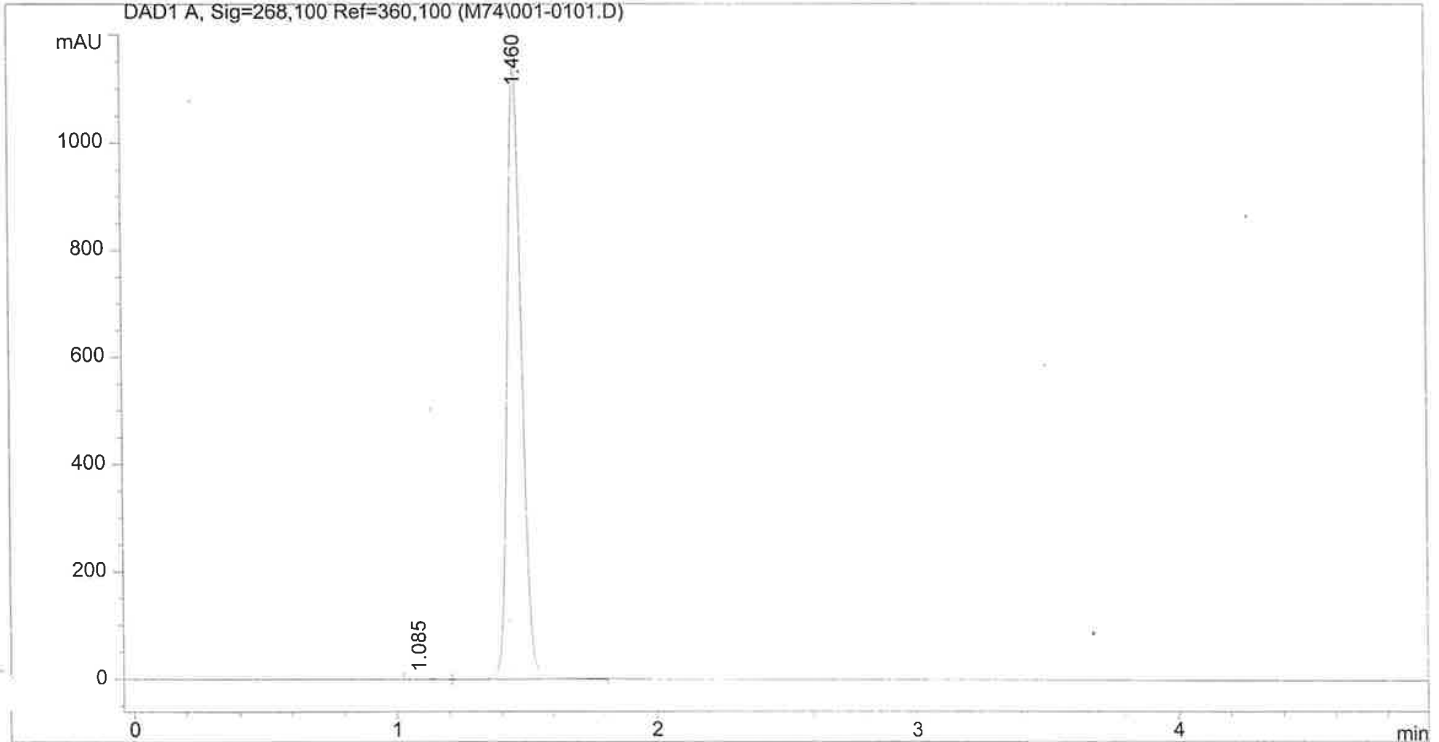
*** End of Report ***

=====

Injection Date	: 3/22/13 9:15:38 AM	Seq. Line	: 1
Sample Name	: Caffeine std	Location	: Vial 1
Acq. Operator	: Brett Trotter	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M74\001-0101.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.085	BP	0.0506	14.99204	4.52690	0.3413
2	1.460	VB	0.0605	4377.41895	1147.47009	99.6587

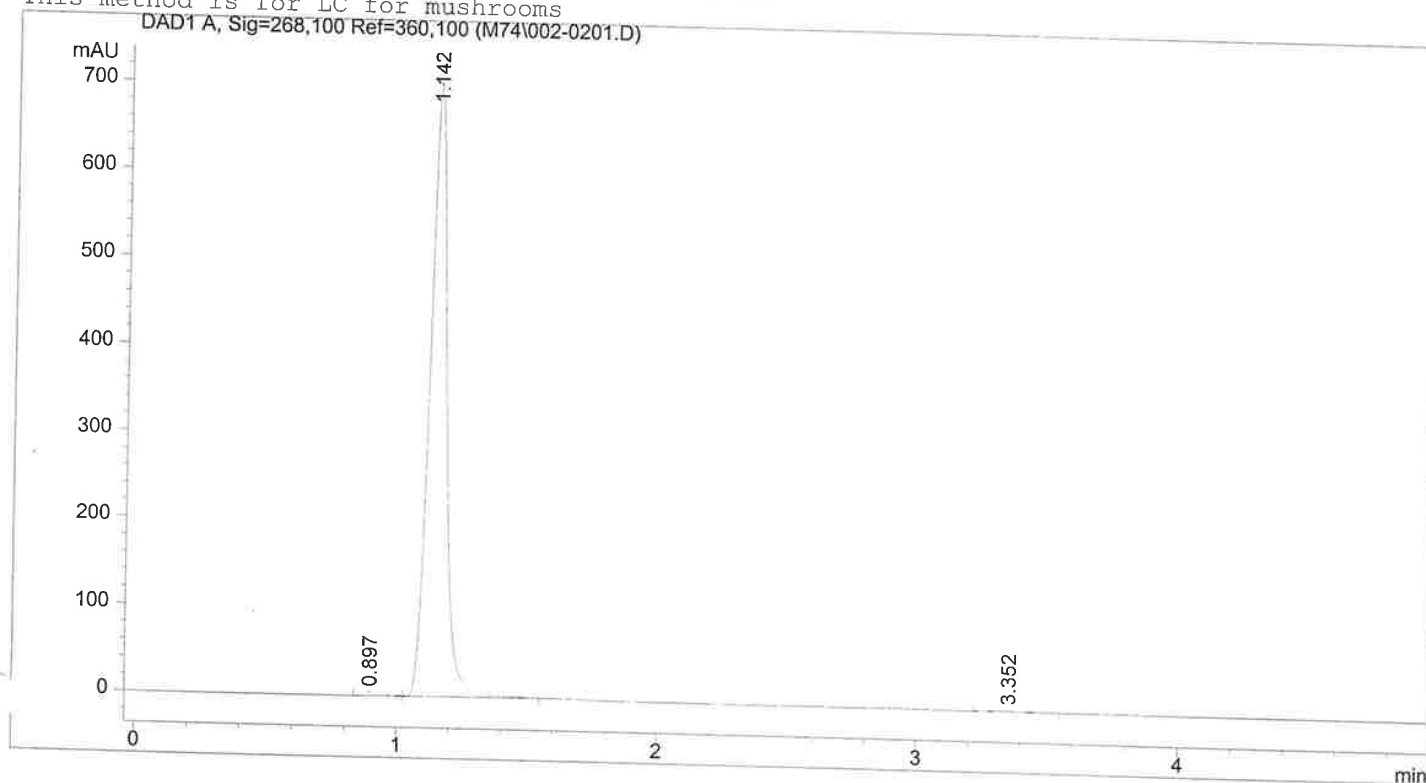
Totals : 4392.41098 1151.99700

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

=====

Injection Date	: 3/22/13 9:21:47 AM	Seq. Line	: 2
Sample Name	: Psilocybin std	Location	: Vial 2
Acq. Operator	: Brett Trotter	Inj	: 1
		Inj Volume	: 5 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\LC_MUSH.S		
Method	: C:\HPCHEM\1\METHODS\LC_MUSH.M		
Last changed	: 3/21/13 4:21:16 PM by LAURA ADAMS		
This method is for LC for mushrooms			

DAD1 A, Sig=268,100 Ref=360,100 (M74\002-0201.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.897	PP	0.0588	17.92546	4.66485	0.5600
2	1.142	VB	0.0685	3171.24219	704.41687	99.0720
3	3.352	BP	0.1076	11.77792	1.72656	0.3680

Totals : 3200.94556 710.80828

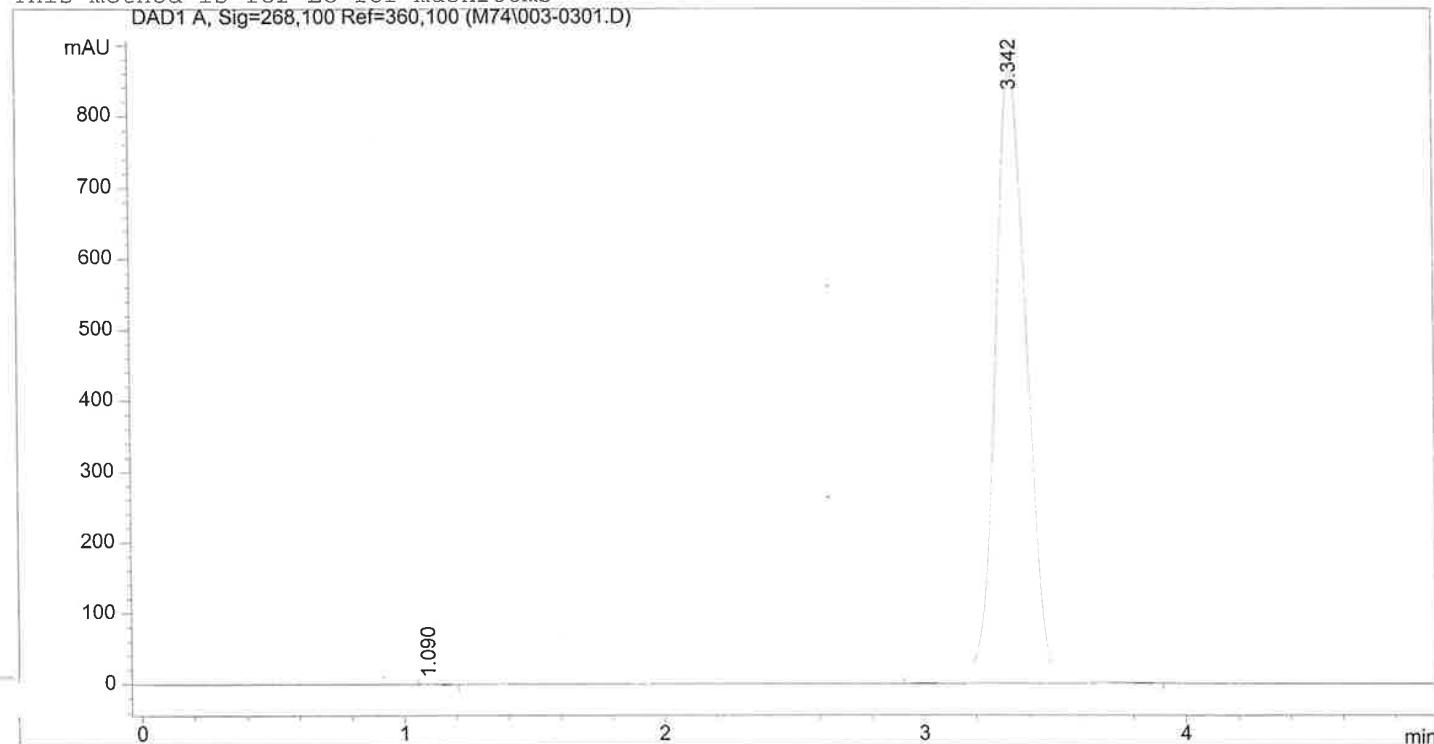
=====
*** End of Report ***
=====

=====

Injection Date	: 3/22/13 9:27:56 AM	Seq. Line	: 3
Sample Name	: Psilocyn std	Location	: Vial 3
Acq. Operator	: Brett Trotter	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M74\003-0301.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

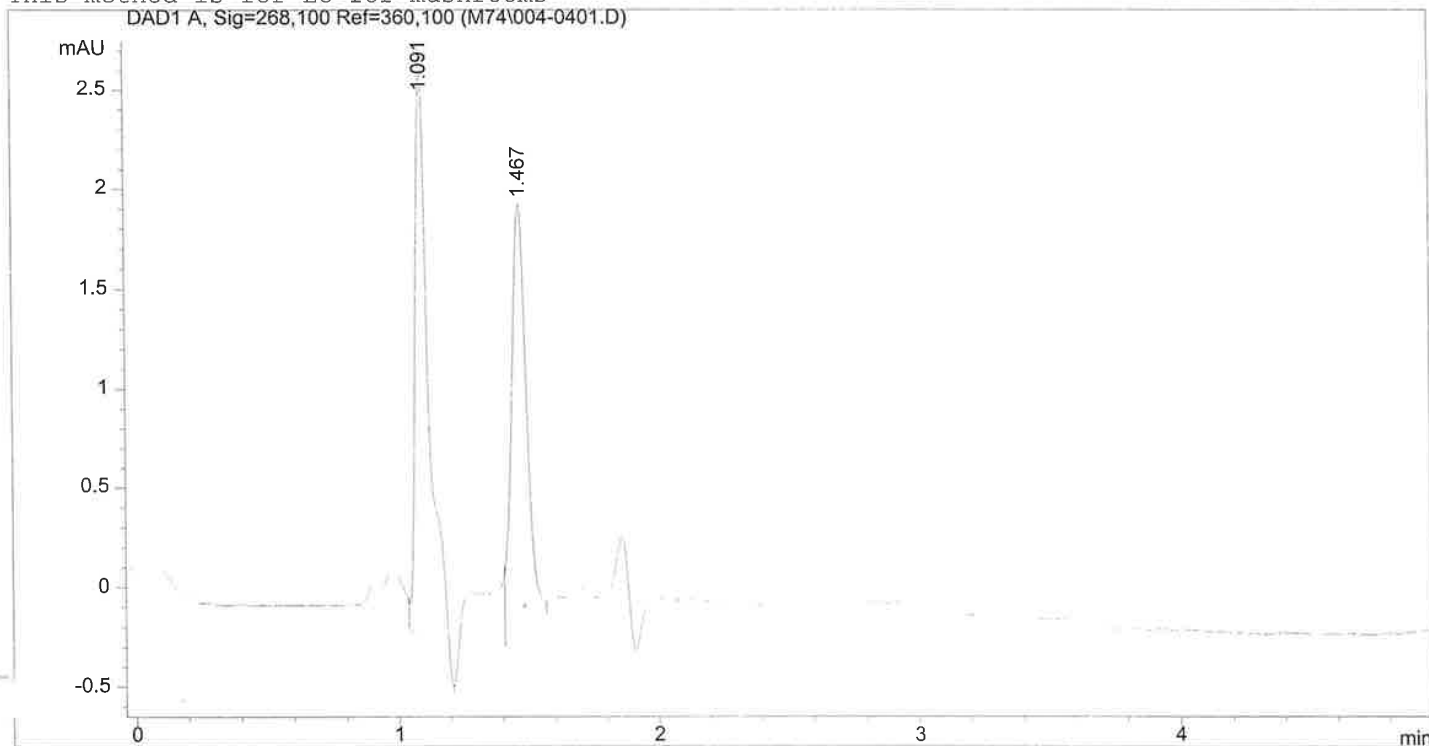
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.090	BP	0.0514	10.84086	3.21259	0.1506
2	3.342	BB	0.1309	7189.71777	865.74573	99.8494

Totals : 7200.55864 868.95831

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

```
=====
Injection Date   : 3/22/13 9:34:06 AM      Seq. Line :    4
Sample Name      : Blank                    Location  : Vial 4
Acq. Operator    : Brett Trotter           Inj       :    1
                                           Inj Volume: 5 µl

Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M74\004-0401.D)
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0553	10.84864	2.92054	55.1067
2	1.467	BB	0.0616	8.83797	2.16609	44.8933

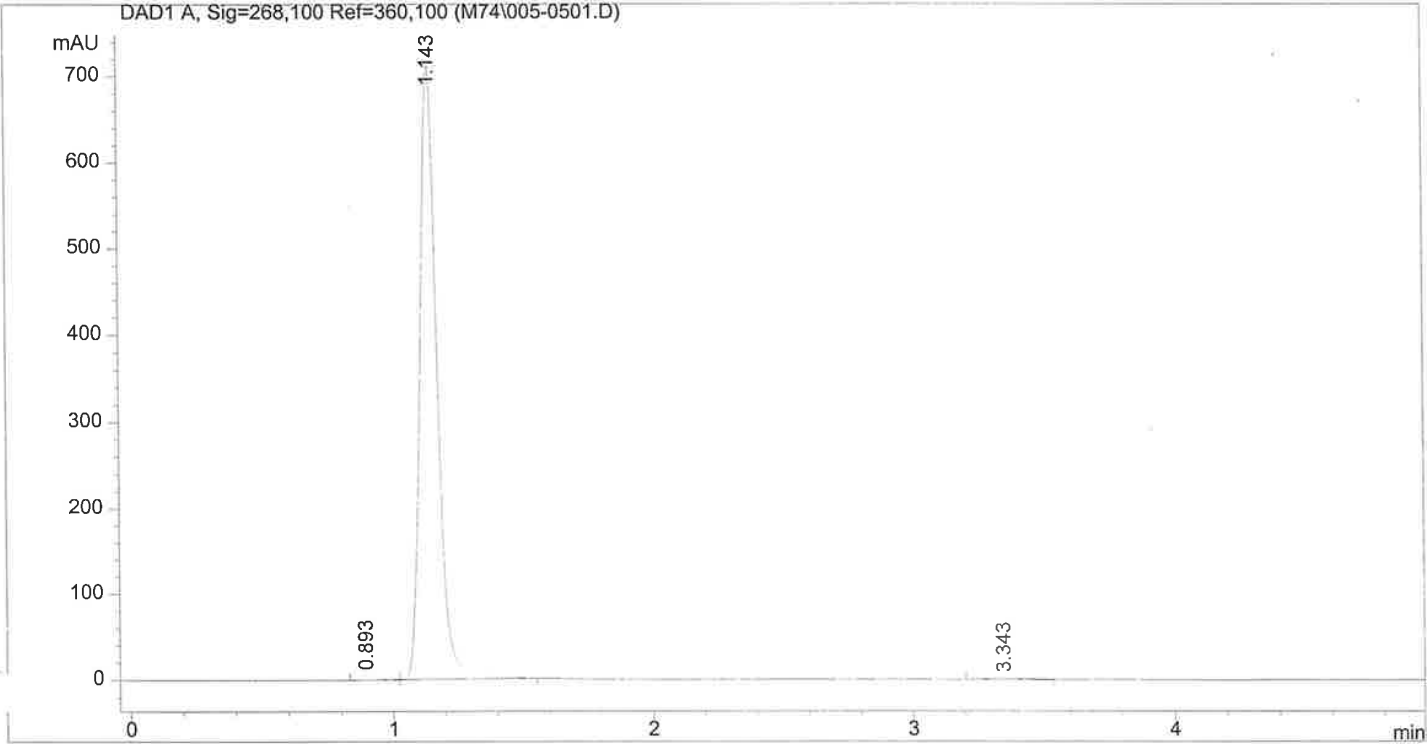
```
Totals :                      19.68661    5.08663
```

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

=====

Injection Date	: 3/22/13 9:40:15 AM	Seq. Line	: 5
Sample Name	: A	Location	: Vial 5
Acq. Operator	: Brett Trotter	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.893	PP	0.0586	18.25131	4.77462	0.5649
2	1.143	VB	0.0683	3200.46240	713.50446	99.0596
3	3.343	BP	0.1050	12.13252	1.79229	0.3755

Totals : 3230.84624 720.07137

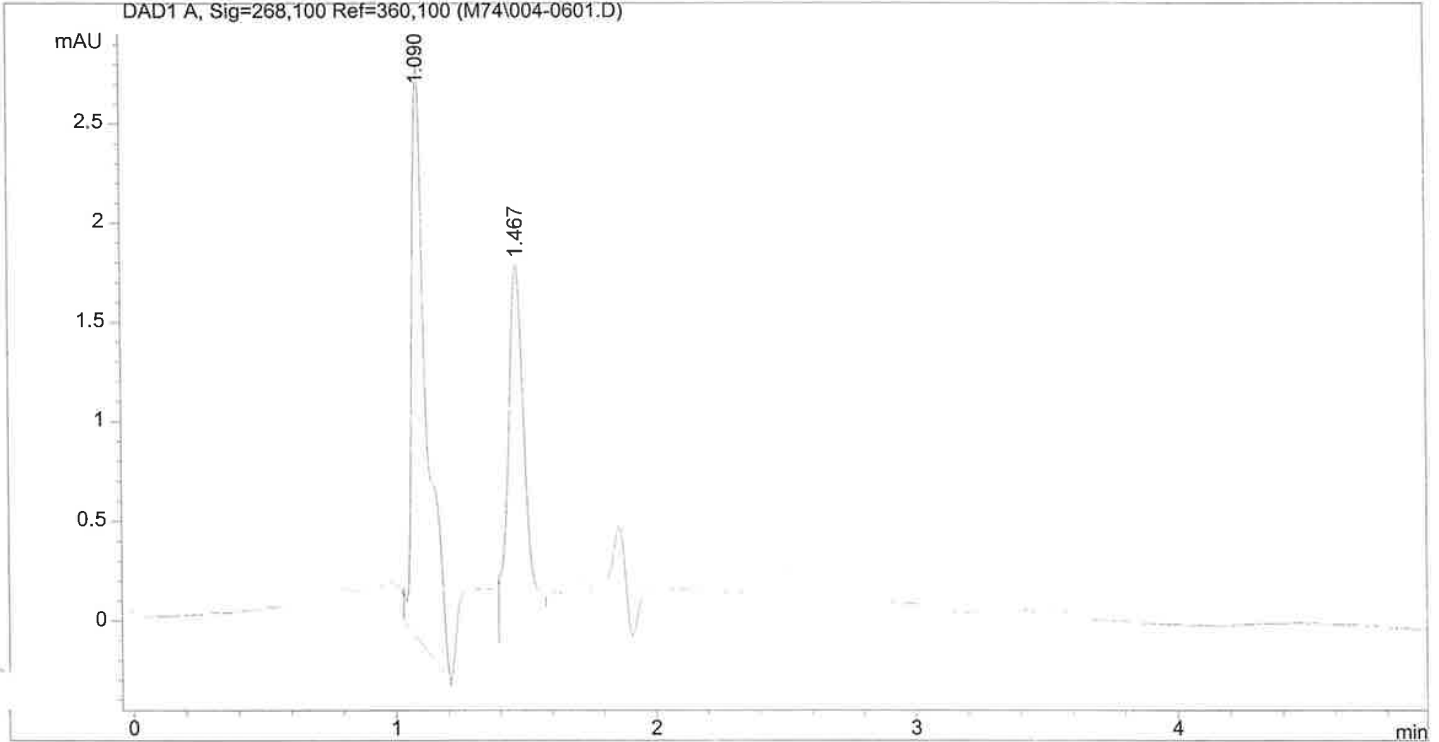
=====
*** End of Report ***
=====

=====

Injection Date	: 3/22/13 9:46:25 AM	Seq. Line	: 6
Sample Name	: Blank	Location	: Vial 4
Acq. Operator	: Brett Trotter	Inj	: 1
		Inj Volume	: 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M74\004-0601.D)



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

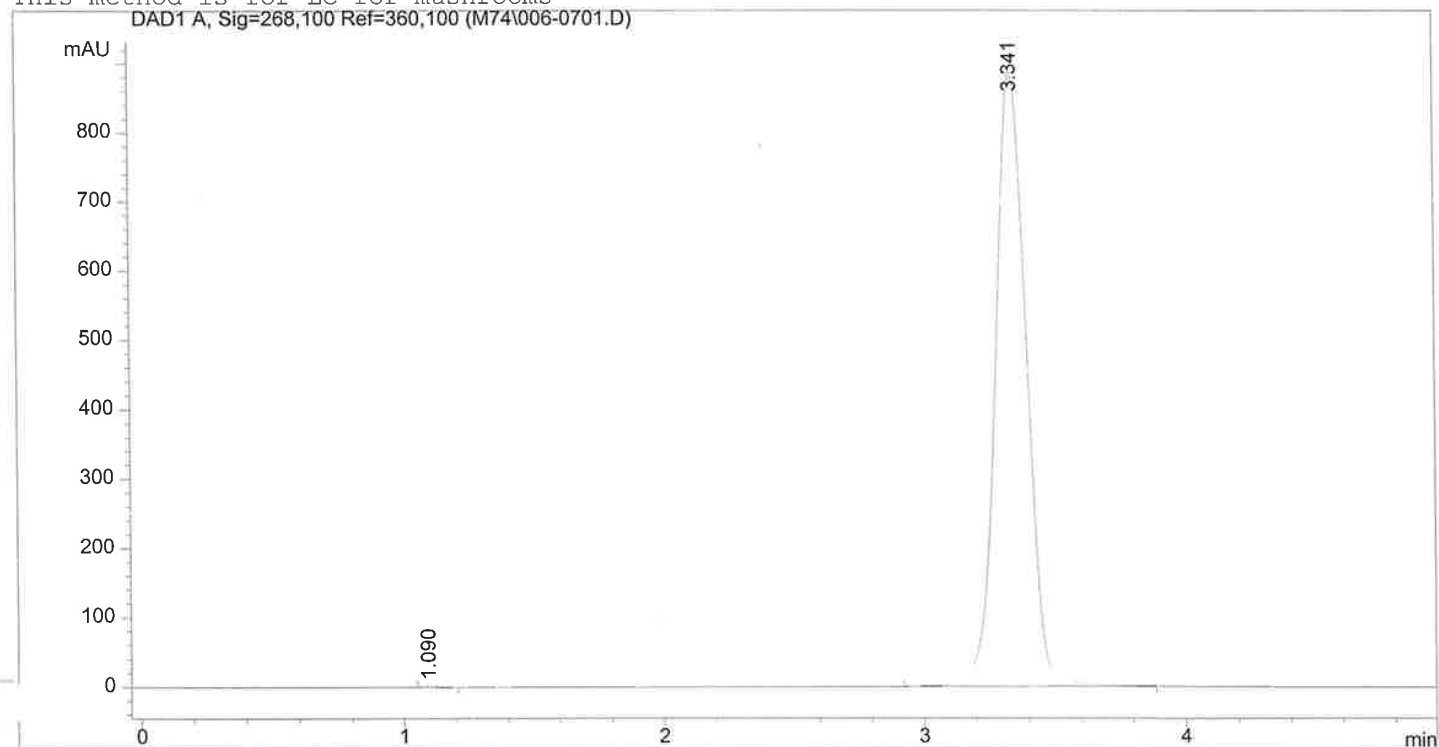
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.090	BP	0.0573	11.27679	2.90444	58.7849
2	1.467	BB	0.0661	7.90636	1.84079	41.2151

Totals : 19.18314 4.74523

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

```
=====
Injection Date   : 3/22/13 9:52:34 AM      Seq. Line :    7
Sample Name      : B                      Location  : Vial 6
Acq. Operator    : Brett Trotter          Inj       :    1
                                           Inj Volume: 5 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method           : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed     : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M74\006-0701.D)
=====
```



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

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

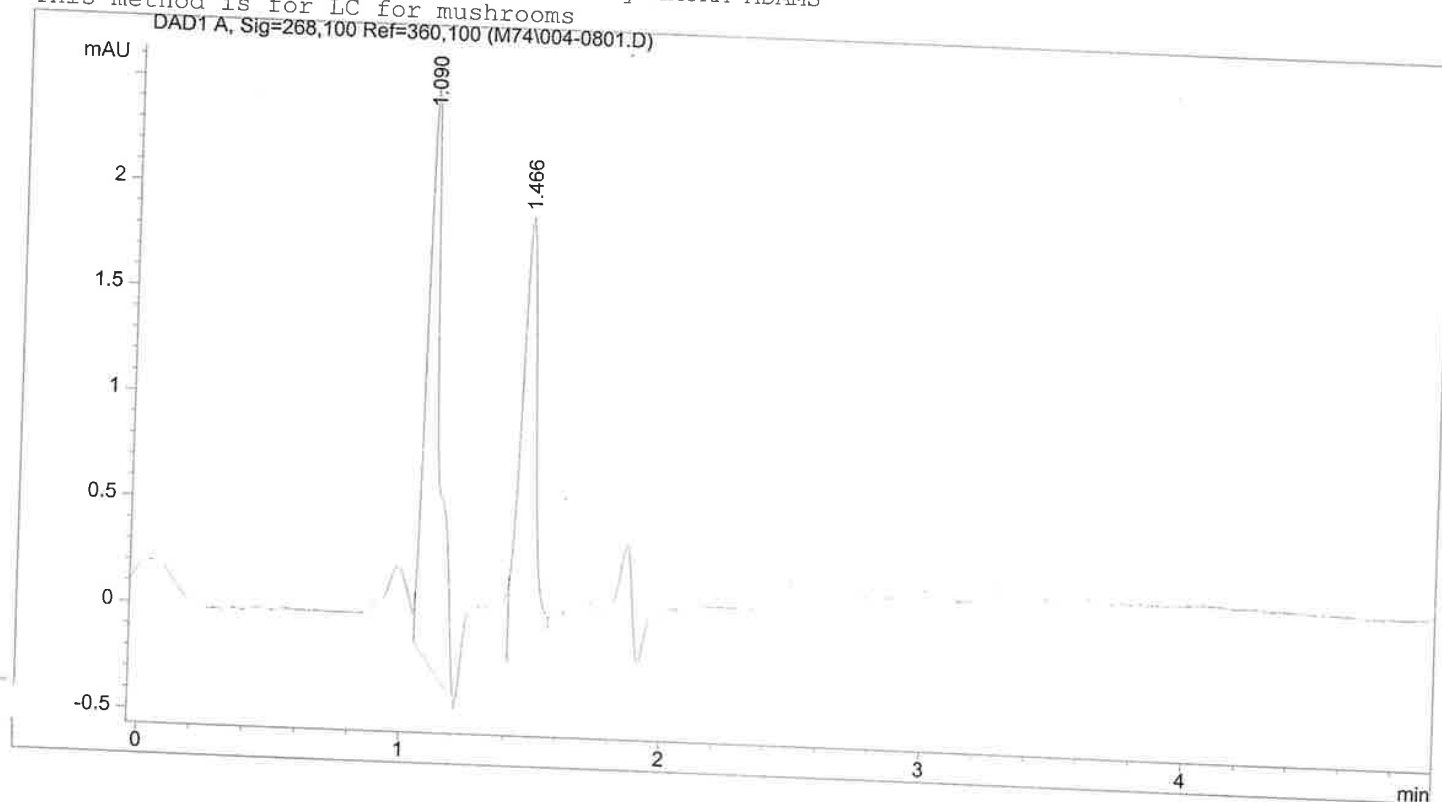
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.090	BP	0.0549	10.42718	2.97166	0.1432
2	3.341	BB	0.1295	7269.50977	888.24591	99.8568

Totals : 7279.93695 891.21758

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

Injection Date : 3/22/13 9:58:44 AM
Sample Name : Blank
Acq. Operator : Brett Trotter
Seq. Line : 8
Location : Vial 4
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

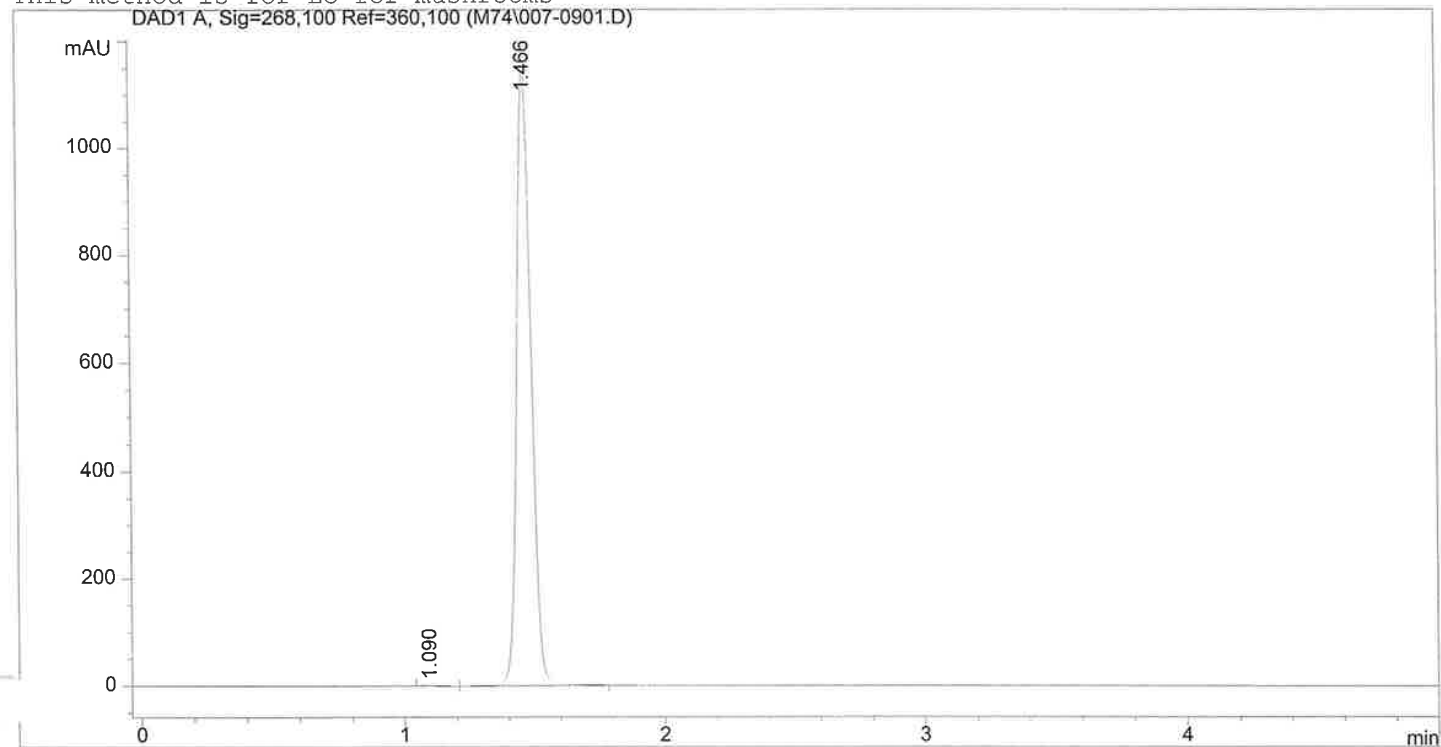
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.090	BP	0.0570	10.45322	2.71282	55.8700
2	1.466	BB	0.0611	8.25667	2.04568	44.1300

Totals : 18.70989 4.75850

*** End of Report ***

```
=====
Injection Date   : 3/22/13 10:04:55 AM      Seq. Line :    9
Sample Name     : C                        Location  : Vial 7
Acq. Operator   : Brett Trotter           Inj       :    1
                                           Inj Volume: 5 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method          : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed    : 3/21/13 4:21:16 PM by LAURA ADAMS
This method is  : for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M74\007-0901.D)
=====
```



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

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

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

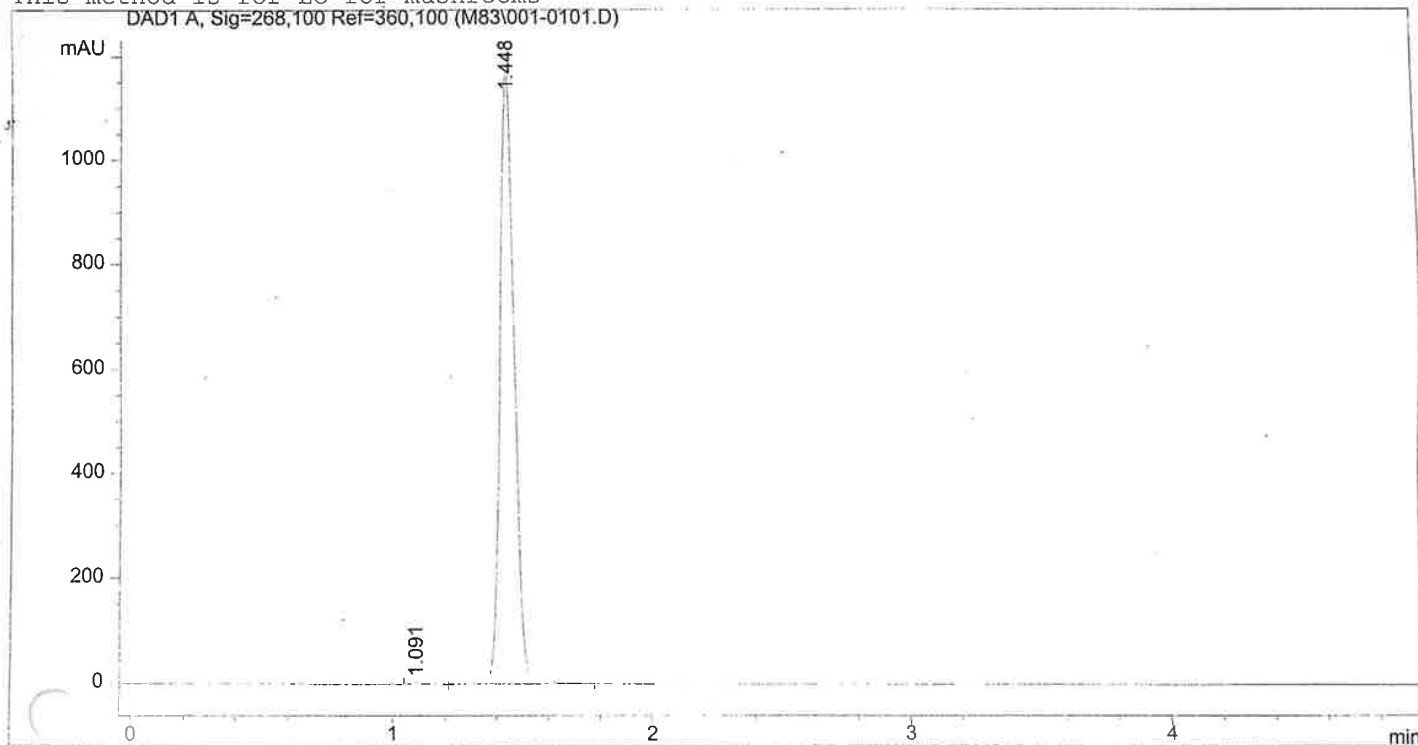
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.090	BP	0.0528	9.76877	2.79341	0.2222
2	1.466	VB	0.0604	4386.17578	1153.41675	99.7778

Totals : 4395.94455 1156.21016

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

Injection Date : 3/27/13 9:50:38 AM Seq. Line : 1
 Sample Name : Caffeine std Location : Vial 1
 Acq. Operator : ~~Laura Cole~~ Mark Young Inj : 1
 Inj Volume : 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
 Method : C:\HPCHEM\1\METHODS\LC MUSH.M
 Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
 This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

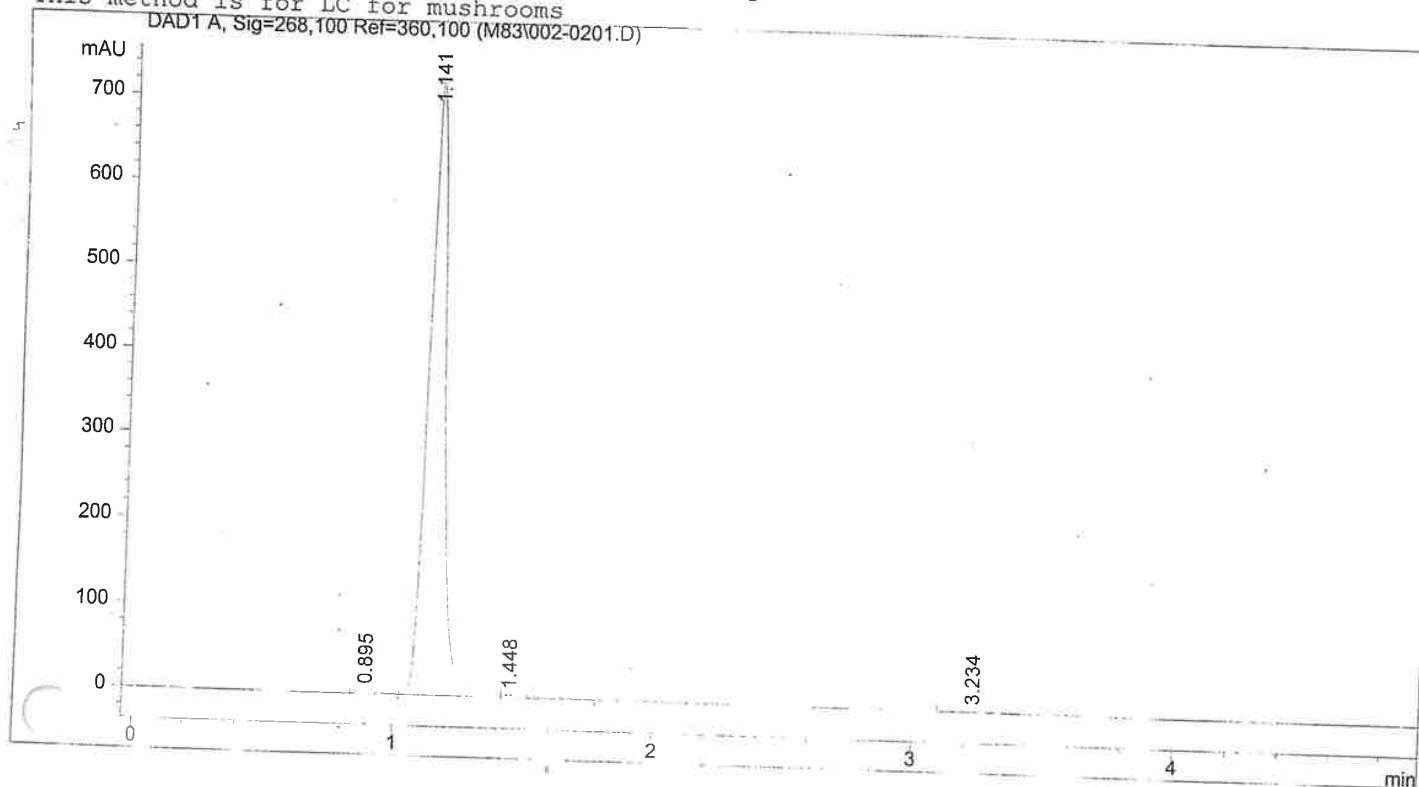
Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0545	9.54265	2.61705	0.2134
2	1.448	VB	0.0602	4462.00732	1178.06104	99.7866

Totals : 4471.54997 1180.67809

*** End of Report ***

Injection Date : 3/27/13 9:56:47 AM
 Sample Name : psilocybin std
 Acq. Operator : ~~Laura Cole~~ *Mark Young*
 Seq. Line : 2
 Location : Vial 2
 Inj : 1
 Inj Volume : 5 µl
 Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
 Method : C:\HPCHEM\1\METHODS\LC MUSH.M
 Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn
 This method is for LC for mushrooms



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.895	PV	0.0626	20.46185	4.91560	0.6068
2	1.141	VV	0.0690	3298.25977	725.48462	97.8156
3	1.448	VB	0.1484	38.98241	3.38453	1.1561
4	3.234	BP	0.1034	14.21114	2.14276	0.4215

Totals : 3371.91517 735.92750

*** End of Report ***

Sample Name: Psilocyn std

Injection Date : 3/27/13 10:02:57 AM

Sample Name : Psilocyn std

Acq. Operator : ~~Laura Cole~~ Mark Young

Seq. Line : 3

Location : Vial 3

Inj : 1

Inj Volume : 5 µl

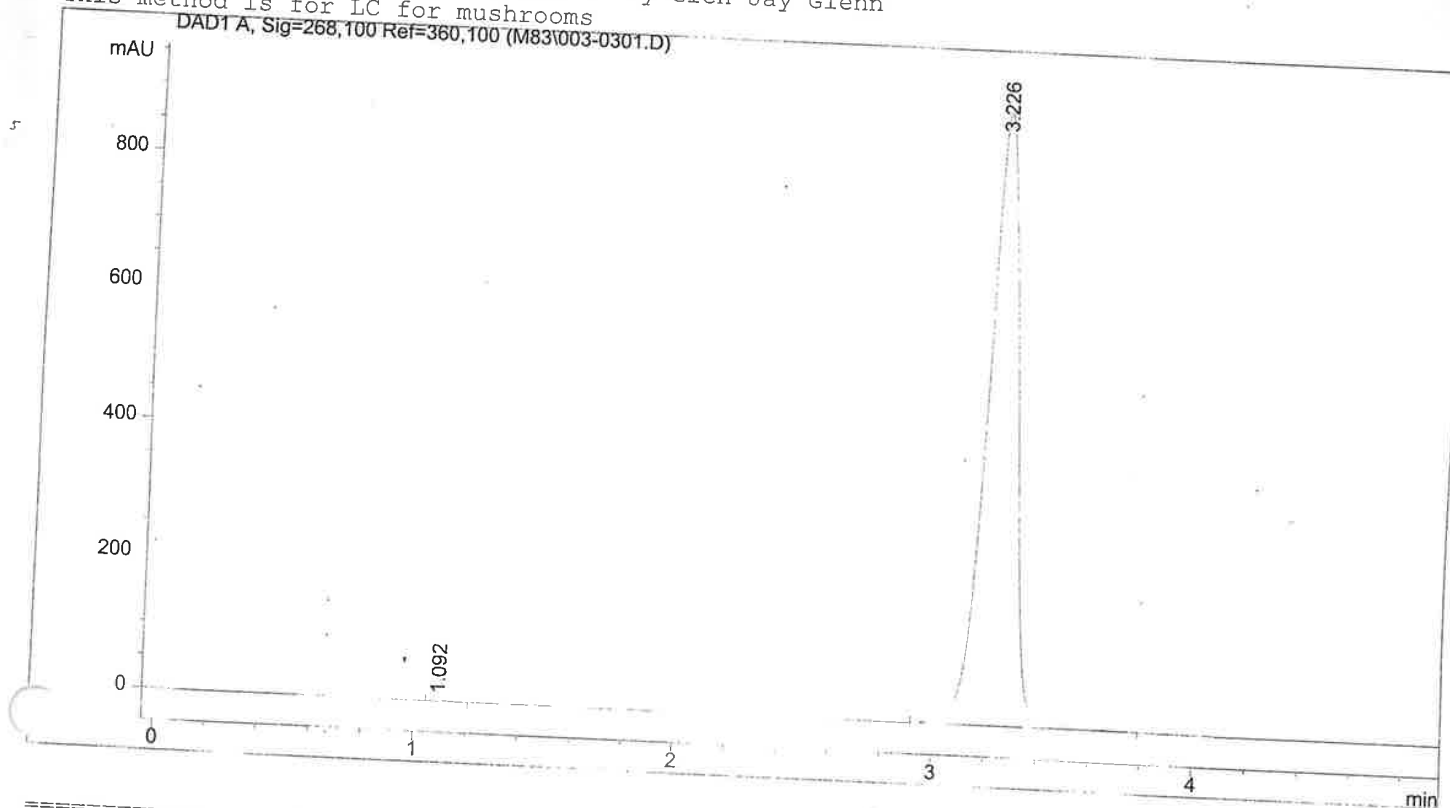
Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S

Method : C:\HPCHEM\1\METHODS\LC_MUSH.M

Last changed : 3/22/13 2:02:00 PM by Glen Jay Glenn

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M83\003-0301.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0577	9.88057	2.52041	0.1361
2	3.226	BB	0.1248	7249.55176	911.48358	99.8639

Totals : 7259.43233 914.00399

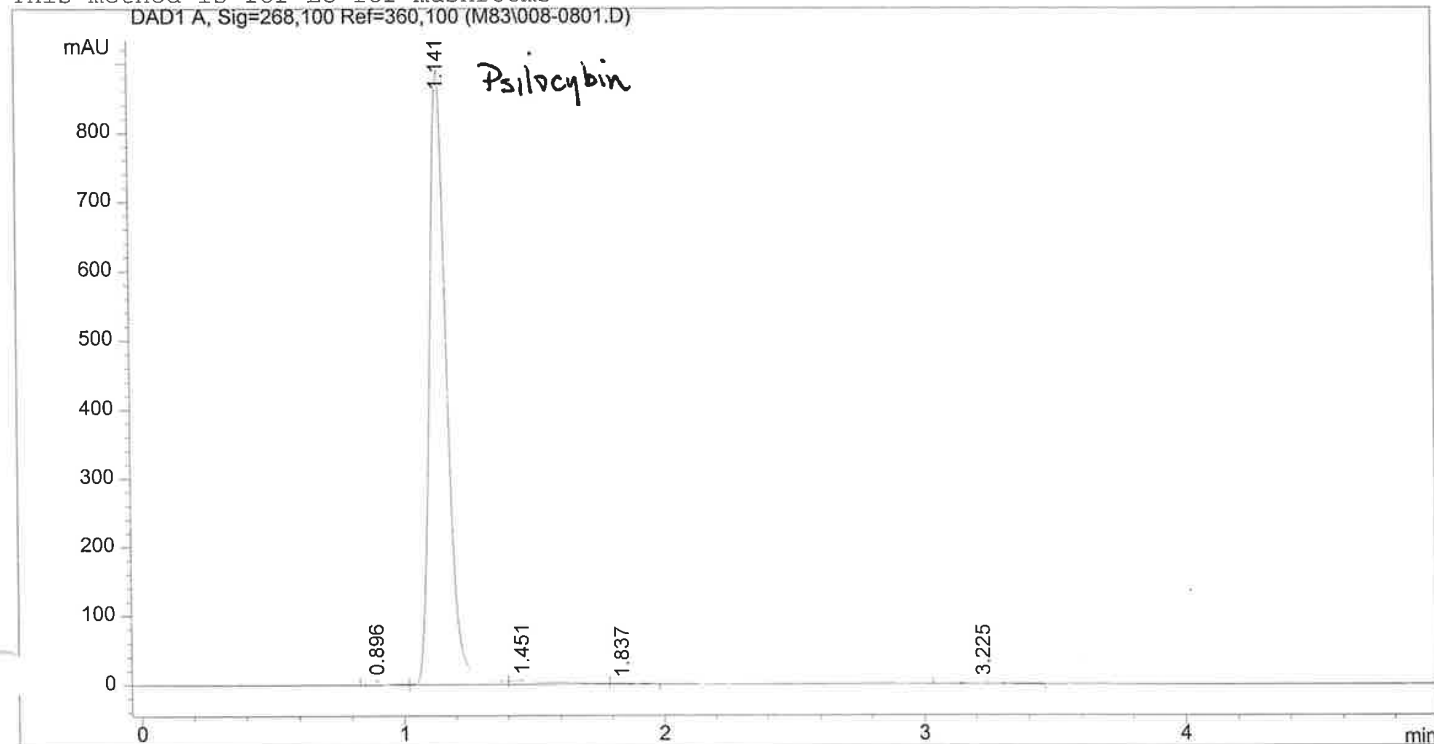
*** End of Report ***

=====

Injection Date : 3/27/13 10:33:44 AM Seq. Line : 8
Sample Name : RMY-A Location : Vial 8
Acq. Operator : ~~Laura Cole~~ *Mark Young* Inj : 1
Inj Volume : 5 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/27/13 10:34:38 AM by Laura Cole
(modified after loading)

This method is for LC for mushrooms



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.896	PV	0.0610	27.16167	6.46174	0.6482
2	1.141	VV	0.0691	4057.47339	891.73383	96.8231
3	1.451	VB	0.1392	69.35250	6.46001	1.6550
4	1.837	BB	0.0914	8.02180	1.17901	0.1914
5	3.225	VP	0.1056	28.59346	4.19292	0.6823

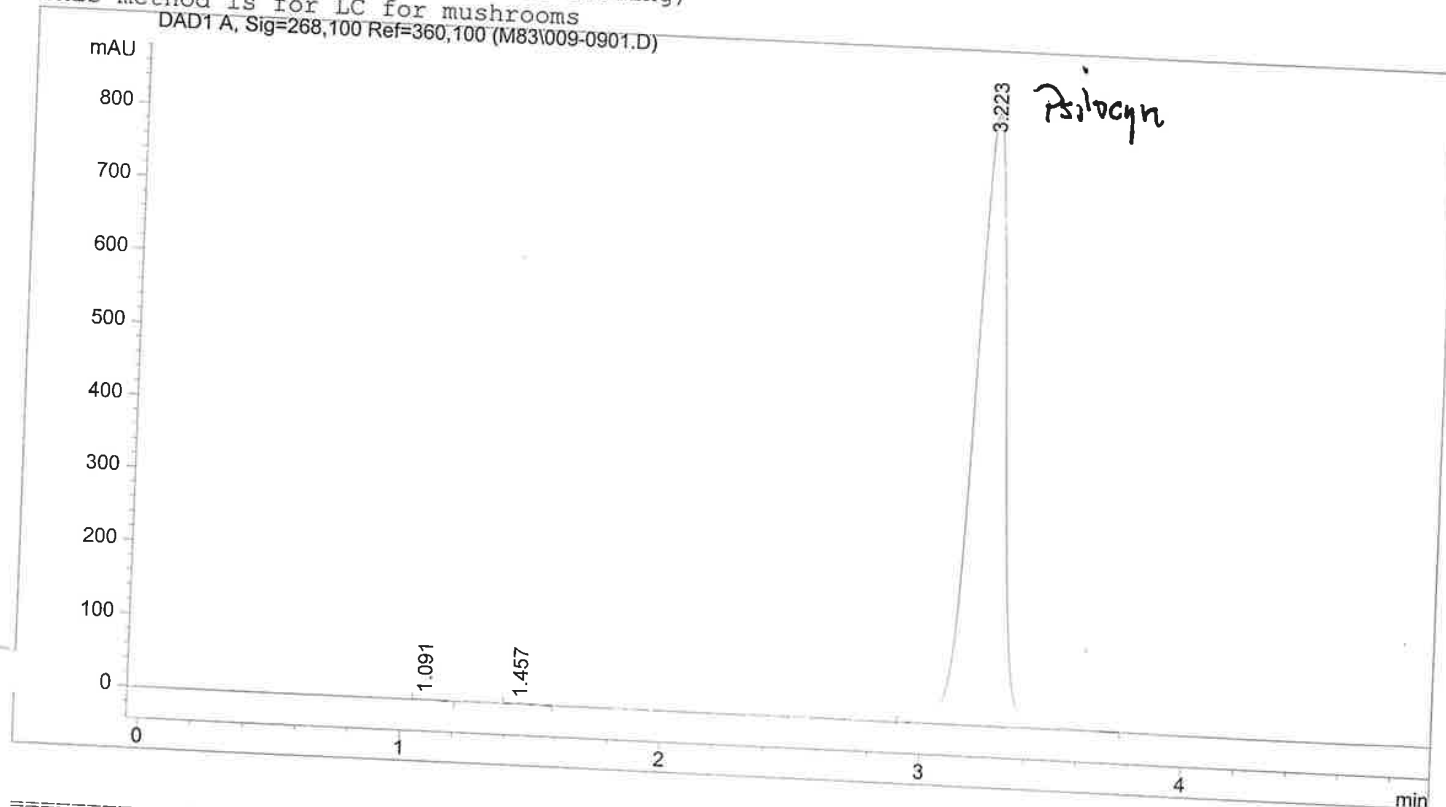
Totals : 4190.60281 910.02751

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

Sample Name: RMY-B

Injection Date : 3/27/13 10:39:54 AM
Sample Name : RMY-B
Acq. Operator : ~~Laura Cole~~ Mark Young
Seq. Line : 9
Location : Vial 9
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC MUSH.S
Method : C:\HPCHEM\1\METHODS\LC MUSH.M
Last changed : 3/27/13 10:39:46 AM by Laura Cole
(modified after loading)

This method is for LC for mushrooms
DAD1 A, Sig=268,100 Ref=360,100 (M83\009-0901.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.091	BP	0.0542	11.41077	3.15583	0.1676
2	1.457	VP	0.0671	10.01396	2.19978	0.1471
3	3.223	PB	0.1283	6788.20117	839.99152	99.6854

Totals : 6809.62591 845.34713

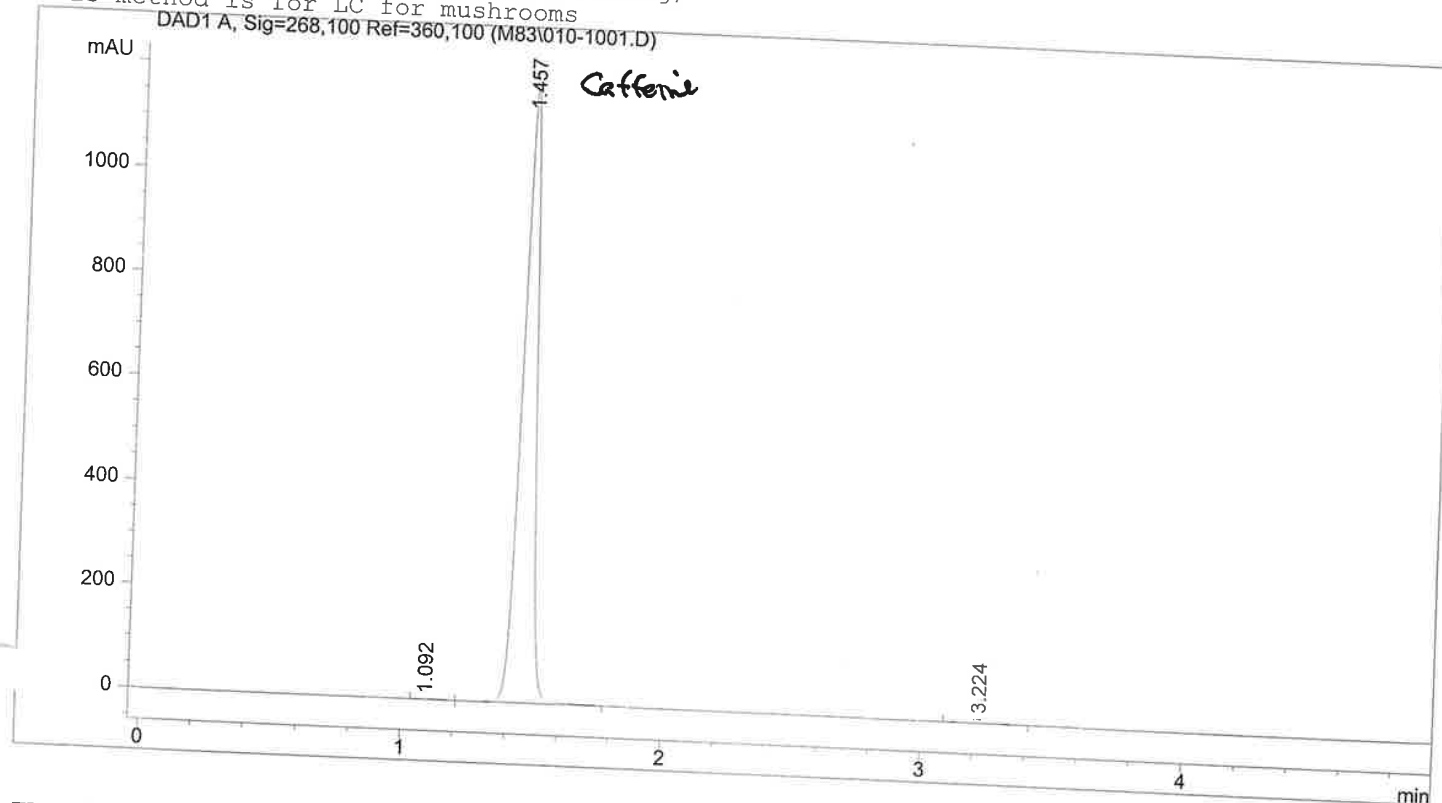
*** End of Report ***

Sample Name: RMY-C

Injection Date : 3/27/13 10:46:06 AM
Sample Name : RMY-C
Acq. Operator : ~~Laura Cole~~ Mark Young
Seq. Line : 10
Location : Vial 10
Inj : 1
Inj Volume : 5 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\LC_MUSH.S
Method : C:\HPCHEM\1\METHODS\LC_MUSH.M
Last changed : 3/27/13 10:45:57 AM by Laura Cole
(modified after loading)

This method is for LC for mushrooms

DAD1 A, Sig=268,100 Ref=360,100 (M83\010-1001.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=268,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.092	BP	0.0600	9.40332	2.28706	0.2071
2	1.457	VB	0.0602	4474.53271	1179.99487	98.5622
3	3.224	BB	0.1104	55.87035	7.90872	1.2307

Totals : 4539.80639 1190.19065

*** End of Report ***