

Validation Review

Procedure GC and GC/MS method validation study

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

Sign and Date to indicate your acceptance of the procedure/instrument:

Examiner (if applicable) Lela Jackson Date 10/24/14
Unit Supervisor Kenn B. Everett Date 10-24-14
Technical Leader (if different than Supervisor) Kenn B. Everett Date 10-24-14
Crime Laboratory Regional Supervisor W. J. [Signature] Date 10-30-14
Quality Assurance Manager [Signature] Date 10.23.14

*All information must be submitted to the Quality Assurance Manager prior to the implementation of the procedure/instrument. If all technical staff training has not been completed, please include a proposed training plan and completion schedule.

Validation Study for GC and MS Methods on the Gas Chromatography Mass Spectrometers

Nashville Lab

October 2014

1. Introduction

The purpose of the validation study is to verify the performance of forensic chemistry drug identification on several newly modified methods. This study will verify the methods performance and accuracy of identifications by comparative analysis using a method with the same parameters as the methods to be verified. The existing method is currently used for case analysis.

2. Objectives

- a. Demonstrate the operation of flame ionization detector and the accuracy of flame ionization chromatograph obtained using a newly created method with a longer run time
- b. Demonstrate the operation of flame ionization detector and the accuracy of flame ionization chromatograph obtained using a newly created method with a shorter run time
- c. Demonstrate the ability of the gas chromatograph/flame ionization detector to separate a mixture of known substances for the purposes of retention time comparisons

3. Setup and Procedures

Forensic chemistry MS identification methods were created with the same parameters as a current method previously validated. Methods was then adjusted and this adjustment is notated on the chromatograms. Two separate standard mixes were run using the new methods; one containing amphetamine, phentermine, and methamphetamine and the other containing cocaine, hydrocodone, and pethidine. The spectra from these samples were compared to spectra obtained using the currently used method and/or to spectra found in the Instrumental Data for Drug Analysis, Third Edition.

4. Results and Conclusion

The reference standard mixes were injected on the instrument. It was determined that all methods performed as expected and adequately in comparison to the similar method. As expected, some methods did not yield results. This was due to the type of compound being analyzed in relationship to the run time of the method. The new method spectra was compared to the spectra generated using the existing similar method and to literature standard references of mass spectra data.

5. Training and Competency

The instrument used for the question methods is configured the same as the other existing instruments in the laboratory. There are no significant changes in instrumentation that would warrant an initial demonstration of proficiency for these methods. No additional samples will be analyzed for personnel training because the methods were also checked on the other instruments currently in use.

Outline of Methods

Gas Chromatography /Mass Spectrometry methods

Manual Injection	
MSDRUGS100	100-280°C for 10 minutes
MSDRUGS200	200-280°C for 10 minutes
MSDRUGS60	60-280°C for 10 minutes
MSDRUGSTI	100-280°C for 30 minutes
MS280ISO	280°C isothermal for 20 minutes
MS100TR	100-280°C for 6 minutes
MS200TR	200-280°C for 6 minutes

Auto-sample Injection	
ASMSDRUGS100	100-280°C for 10 minutes
ASMSDRUGS200	200-280°C for 10 minutes
ASMSDRUGS60	60-280°C for 10 minutes
ASMSDRUGSTI	100-280°C for 30 minutes
AMS280ISO	280°C isothermal for 20 minutes
ASMS100TR	100-280°C for 6 minutes
ASMS200TR	200-280°C for 6 minutes

Gas Chromatography Methods

Manual Injection	
GC100	100-280°C for 10 minutes
GC200	200-280°C for 10 minutes
GC150ISO	150°C for 10 minutes
GC280ISO	280°C Isothermal for 10 minutes
GC280ISOTI	280°C isothermal for 30 minutes

Auto-sample Injection	
ASGC100	100-280°C for 10 minutes
ASGC200	200-280°C for 10 minutes
ASGC150ISO	150°C for 10 minutes
ASGC280ISO	280°C Isothermal for 10 minutes
ASGC280ISOTI	280°C isothermal for 30 minutes

* Pages with expanded views of peaks are notated by highlighter

Reagents

Amphetamine, Methamphetamine, Phentermine Standard (AMP)

Exp. 12/17/14

<u>Standard</u>	<u>Manufacturer</u>	<u>Lot number</u>
Amphetamine	K & K	83567
Methamphetamine	Sigma	34H0144
Phentermine	Sigma	47H0208

Pethidine, Cocaine, Hydrocodone Standard (PCH)

Exp. 1/29/15

<u>Standard</u>	<u>Manufacturer</u>	<u>Lot number</u>
Pethidine	S.B. Penick	413NMN-027
Cocaine	Sigma	50k1124
Hydrocodone	Merck	V1526

JWH 081, Nandrolone Undecanoate, Testosterone Standard (JNT)

Exp. 9/11/15

<u>Standard</u>	<u>Manufacturer</u>	<u>Lot number</u>
JWH 081	Cayman Chemical	0423966-21
Nandrolone Undecanoate	Steraloids	B0547
Testosterone	Sigma	50H0345 label A

DONNA 2

DONNA2 Summary: GCMS comparisons

<u>Compounds</u>	Methods				
	MSDRUGS60	MS100TR	MS200TR	MSDRUGSTI	MS280ISO
Amphetamine	+	+	-	+	/
Phentermine	+	+	-	+	/
Methamphetamine	+	+	-	+	/
Pethidine	+	+	+	+	/
Cocaine	+	+	+	+	/
Hydrocodone	+	+	+	+	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

<u>Compounds</u>	Methods				
	ASMSDRUGS60	ASMS100TR	ASMS200TR	ASMSDRUGSTI	ASMS280ISO
Amphetamine	+	+	-	+	/
Phentermine	+	+	-	+	/
Methamphetamine	+	+	-	+	/
Pethidine	+	+	+	+	/
Cocaine	+	+	+	+	/
Hydrocodone	+	+	+	+	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

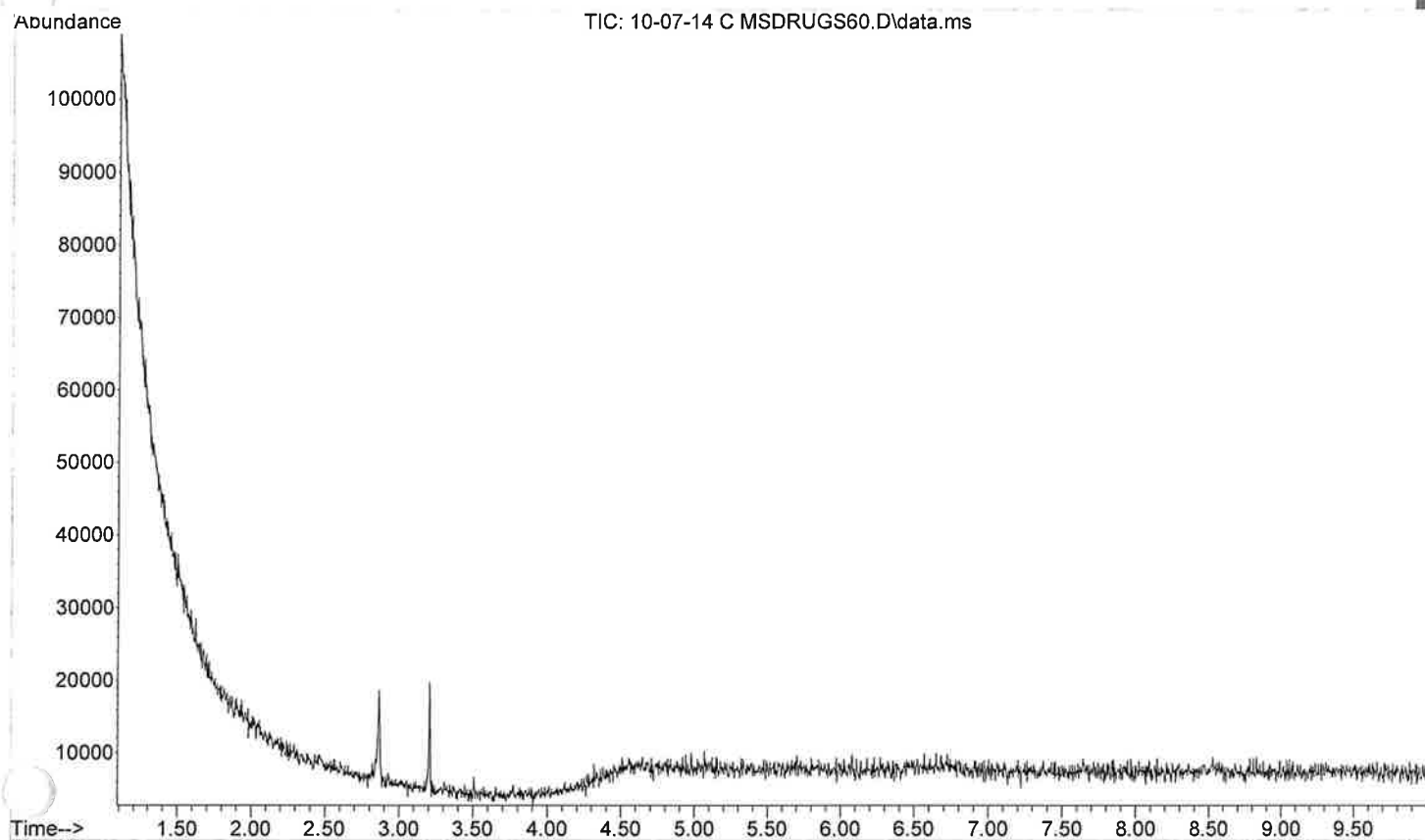
/ = Compounds not run on method

+ = Compounds present

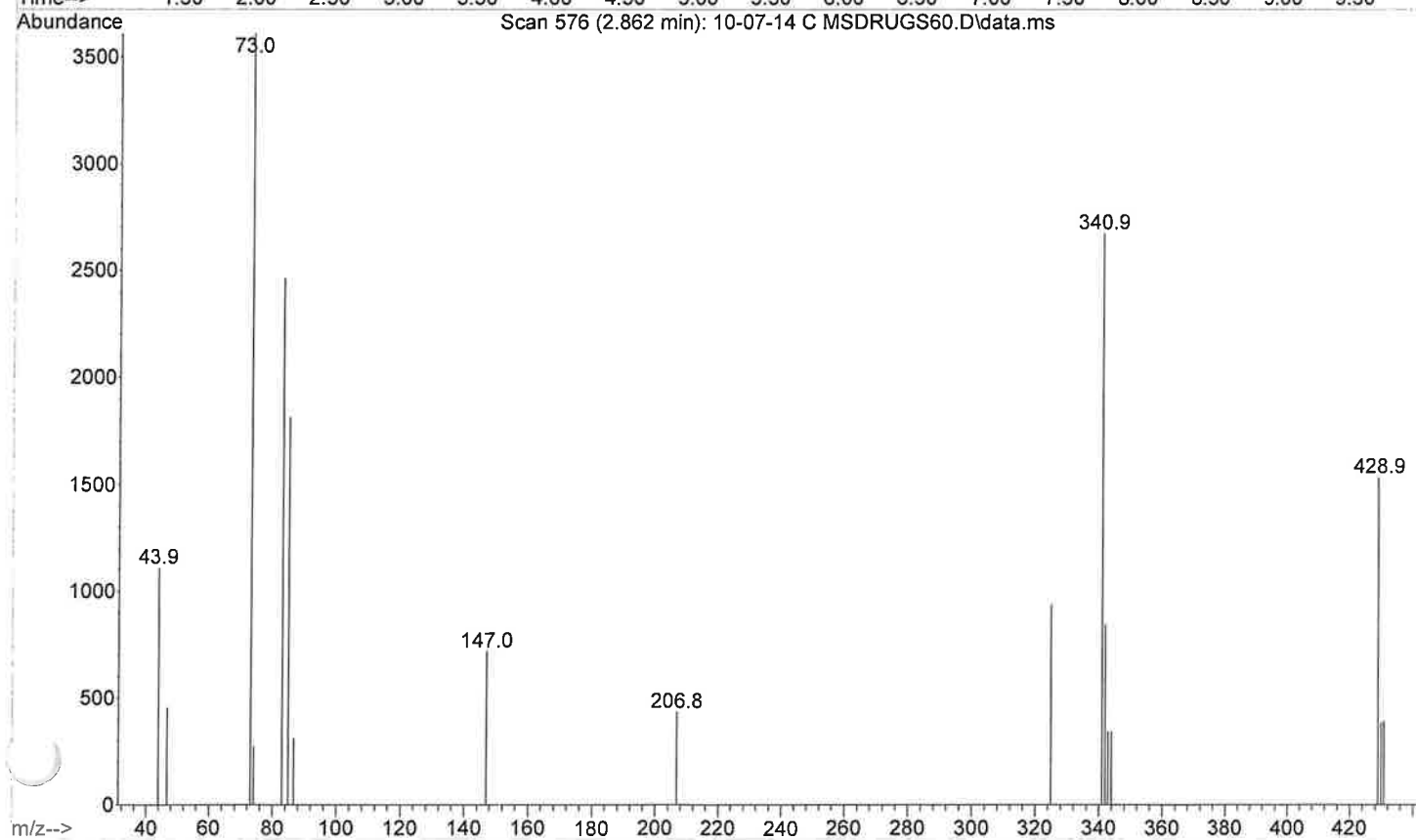
- = Compounds absent

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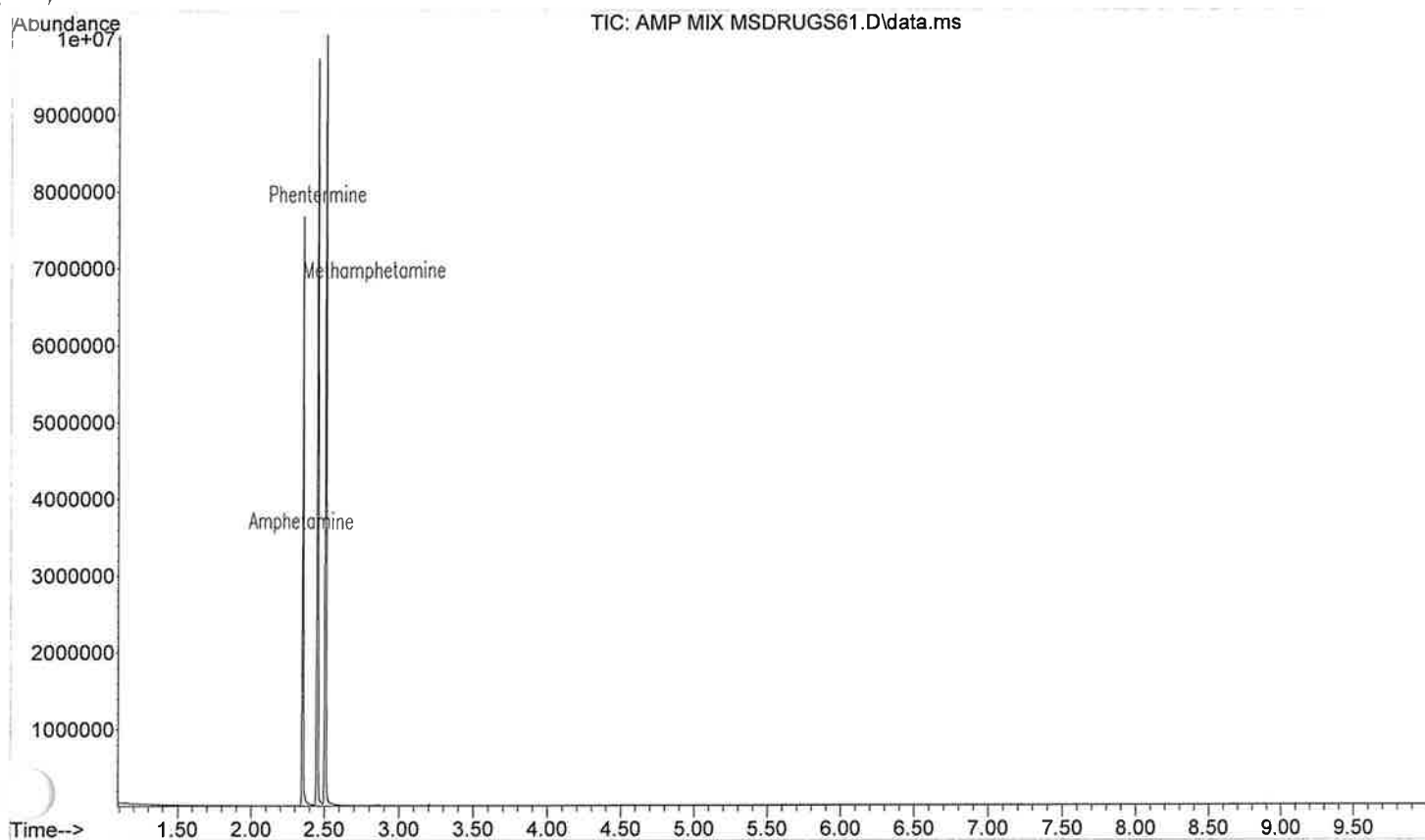
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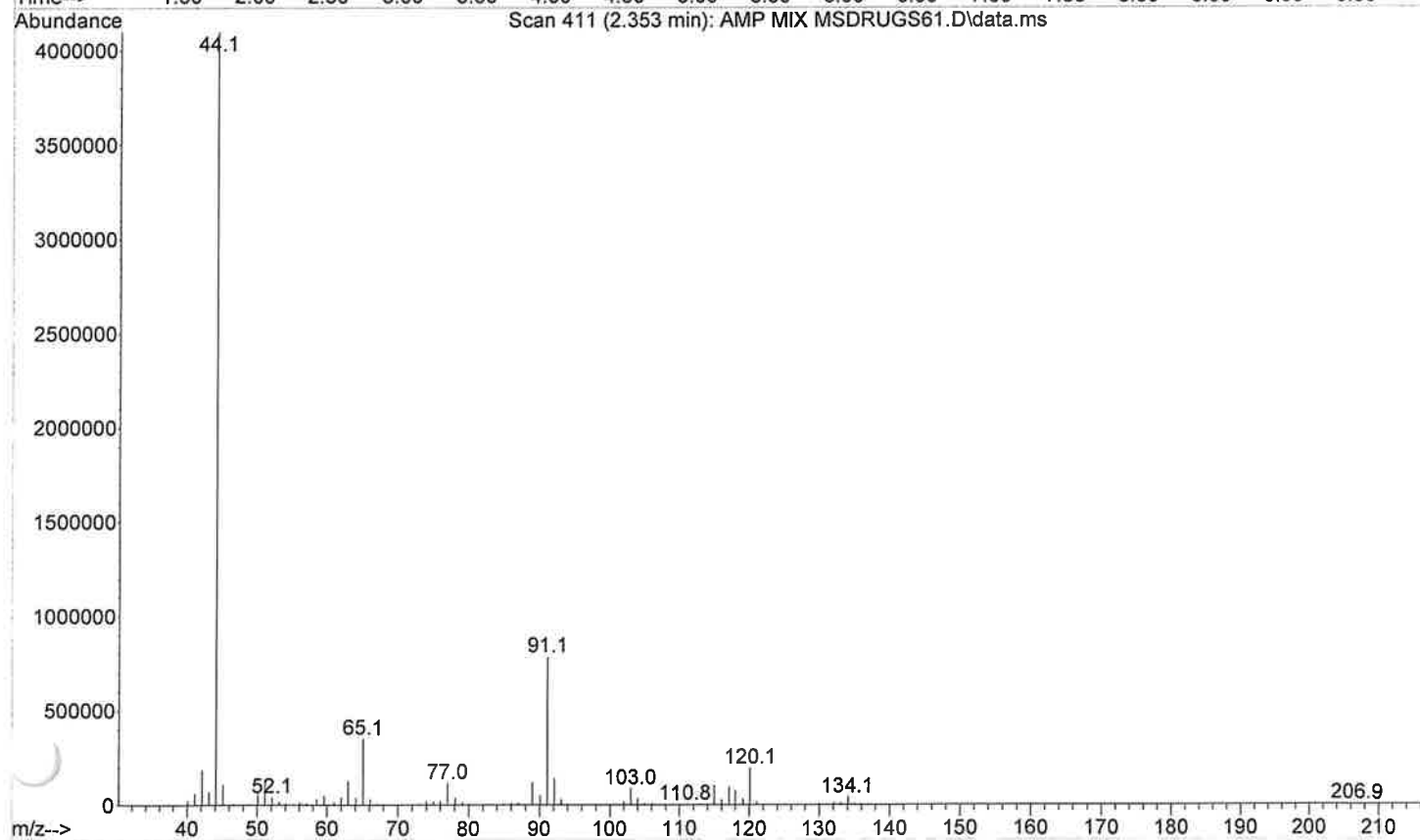
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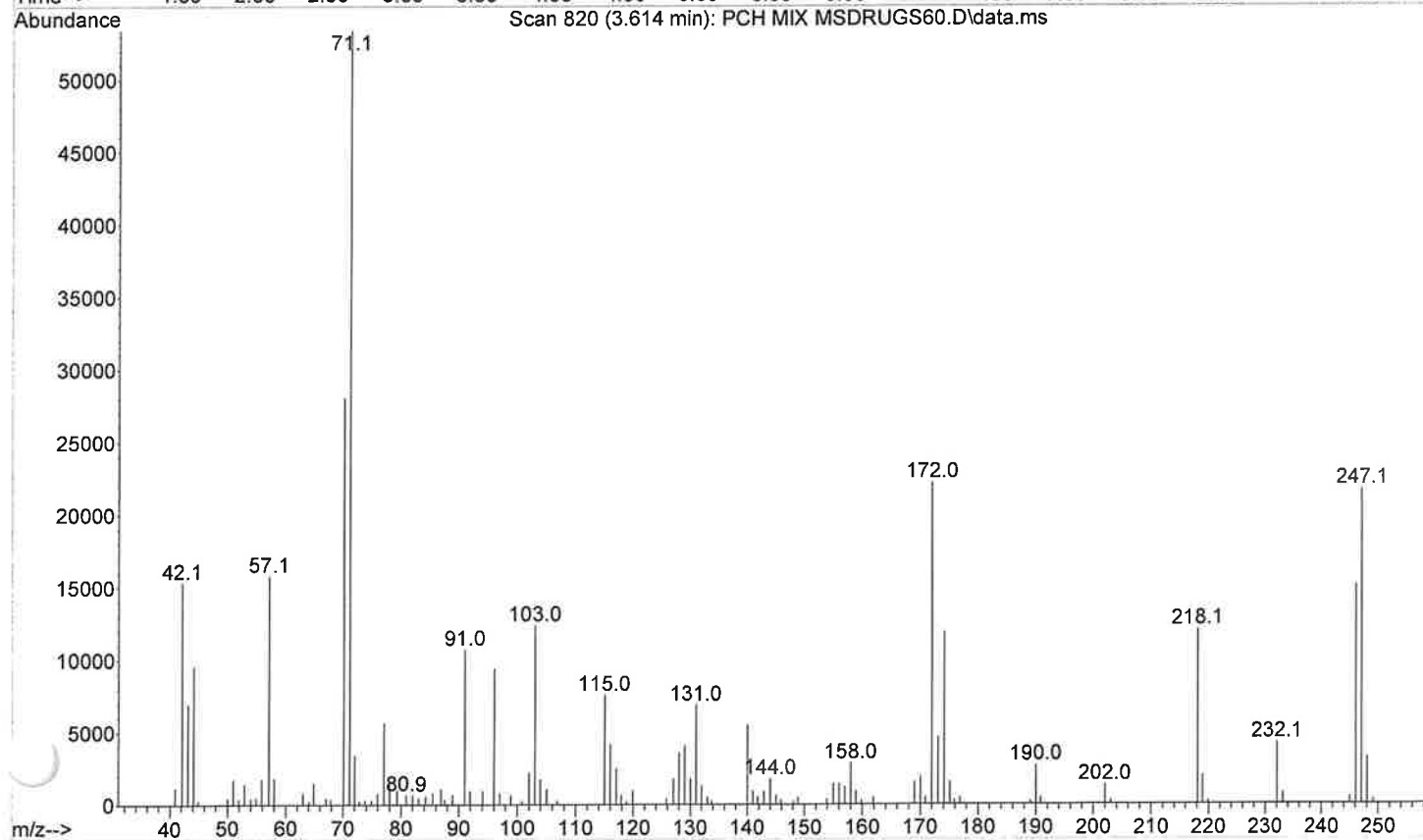
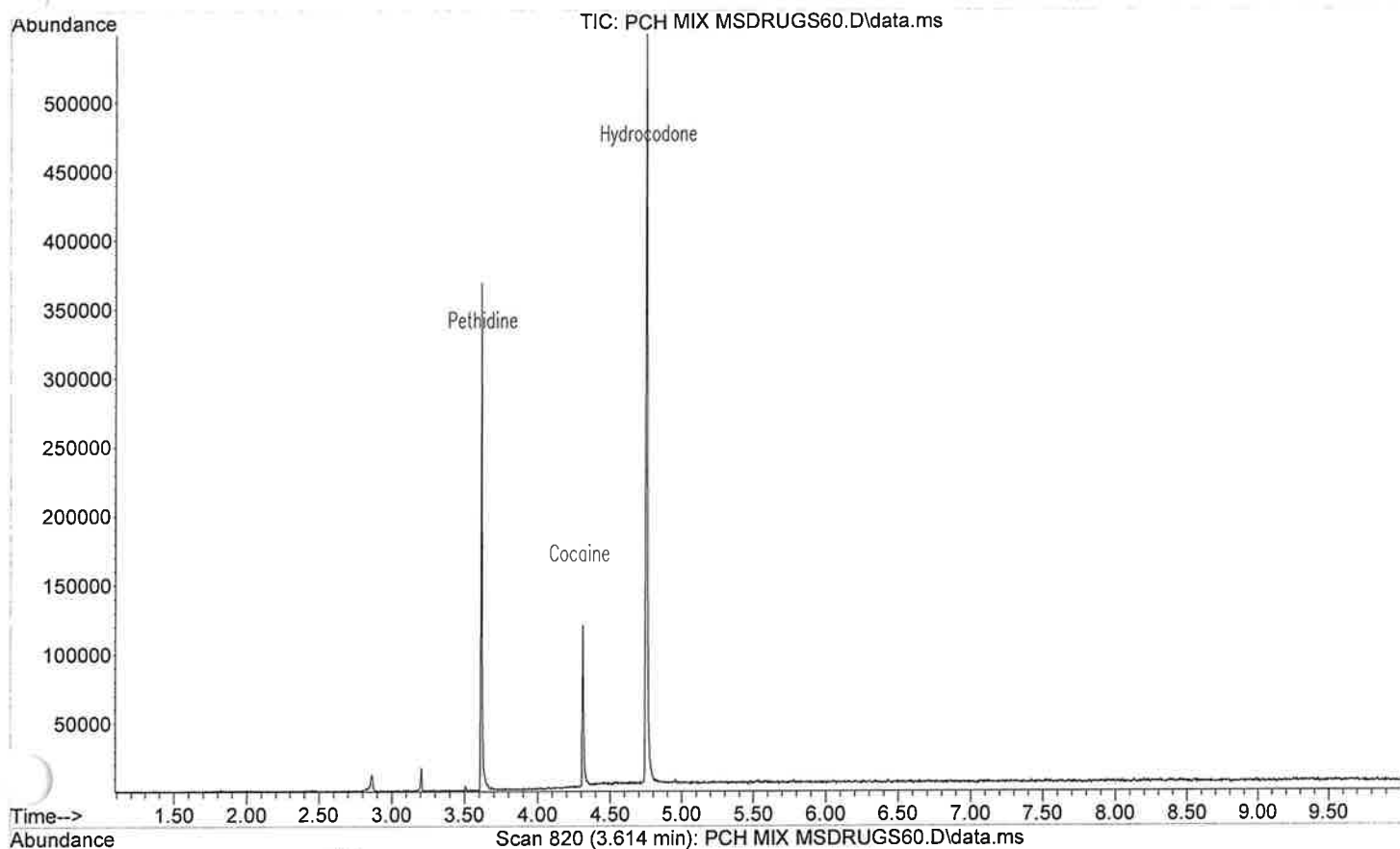
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Instrument : donna2
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 60-280c @70c/min for 10 min
Vial Number: 11



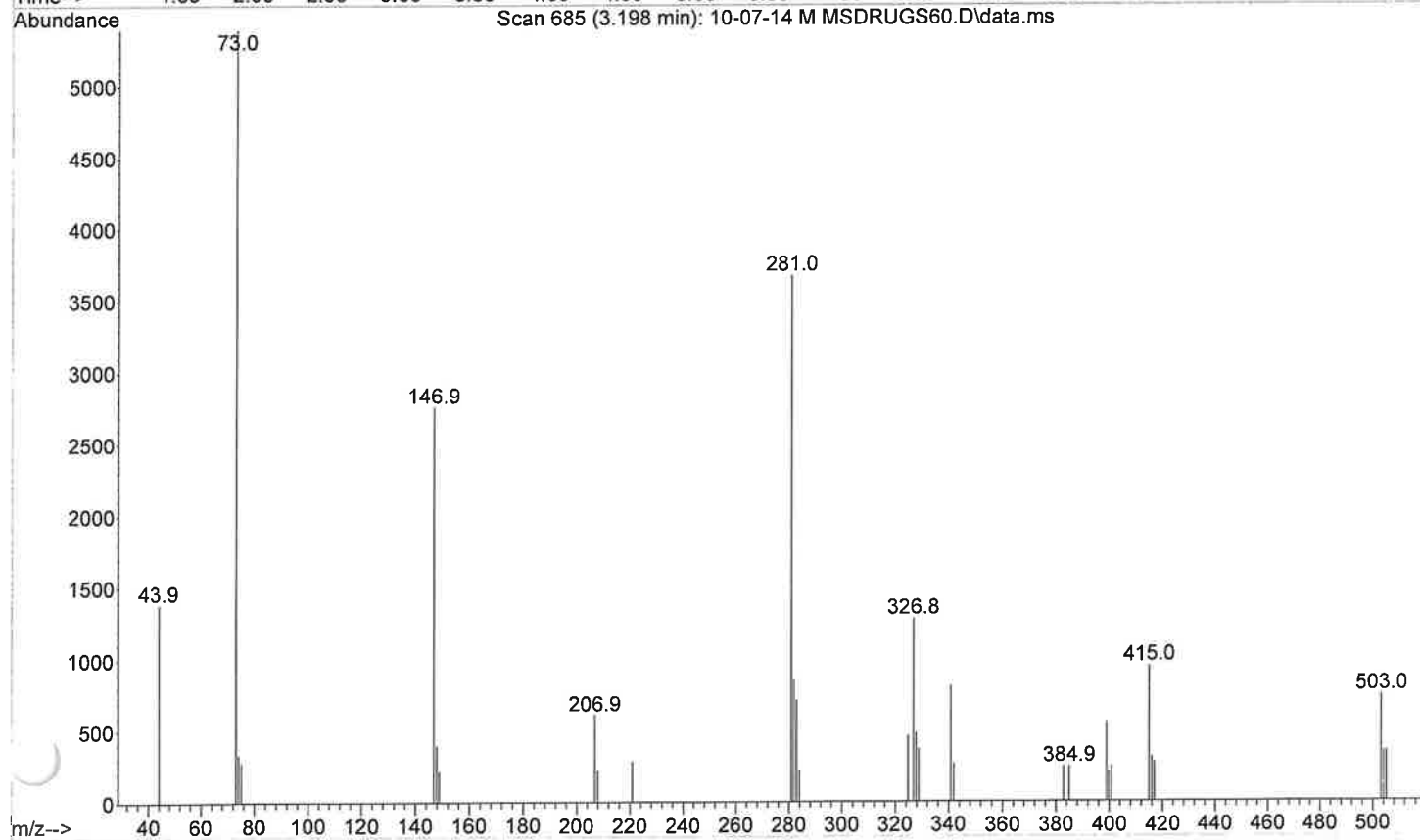
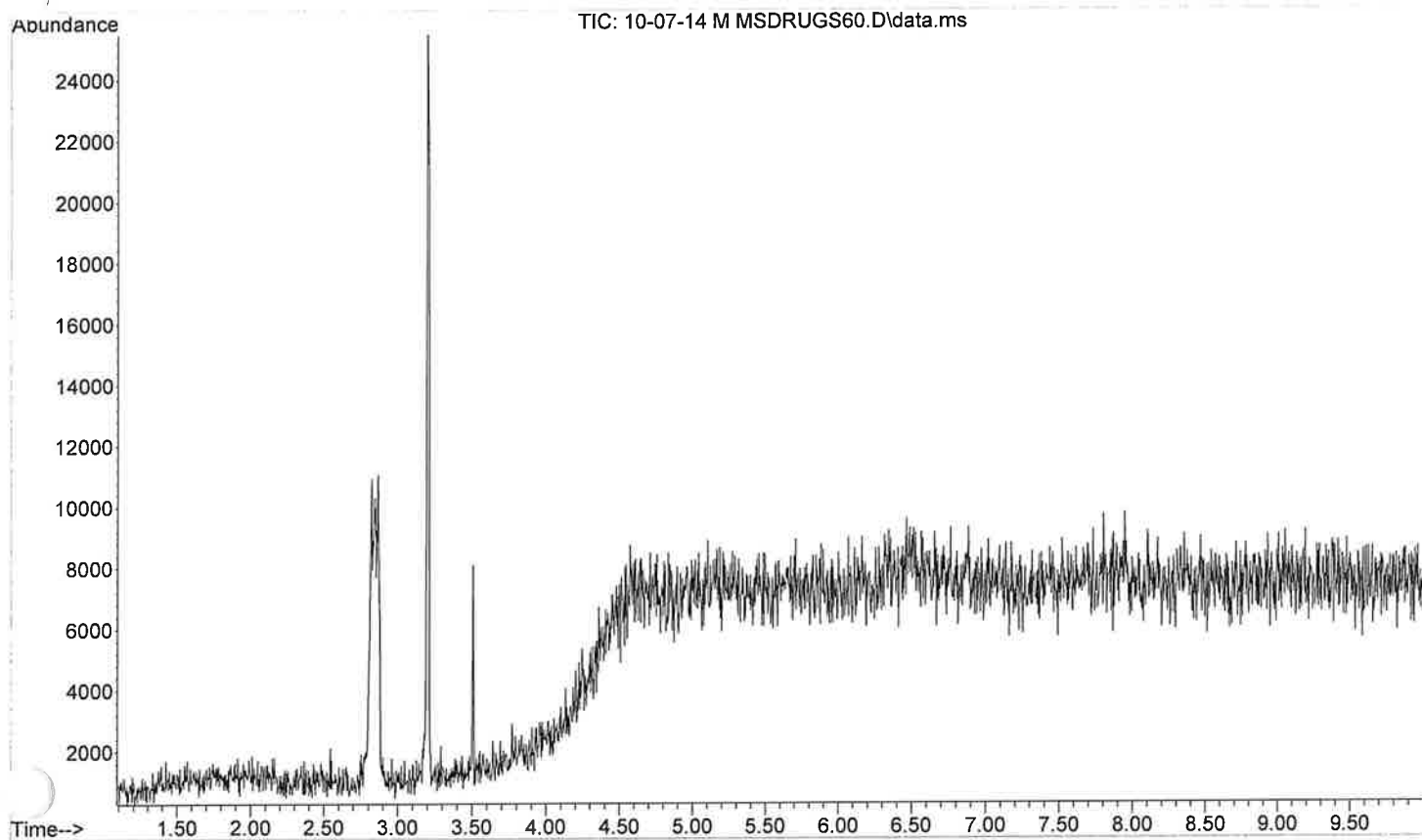
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Instrument : donna2
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 60-280c @70c/min for 10 min
Vial Number: 11

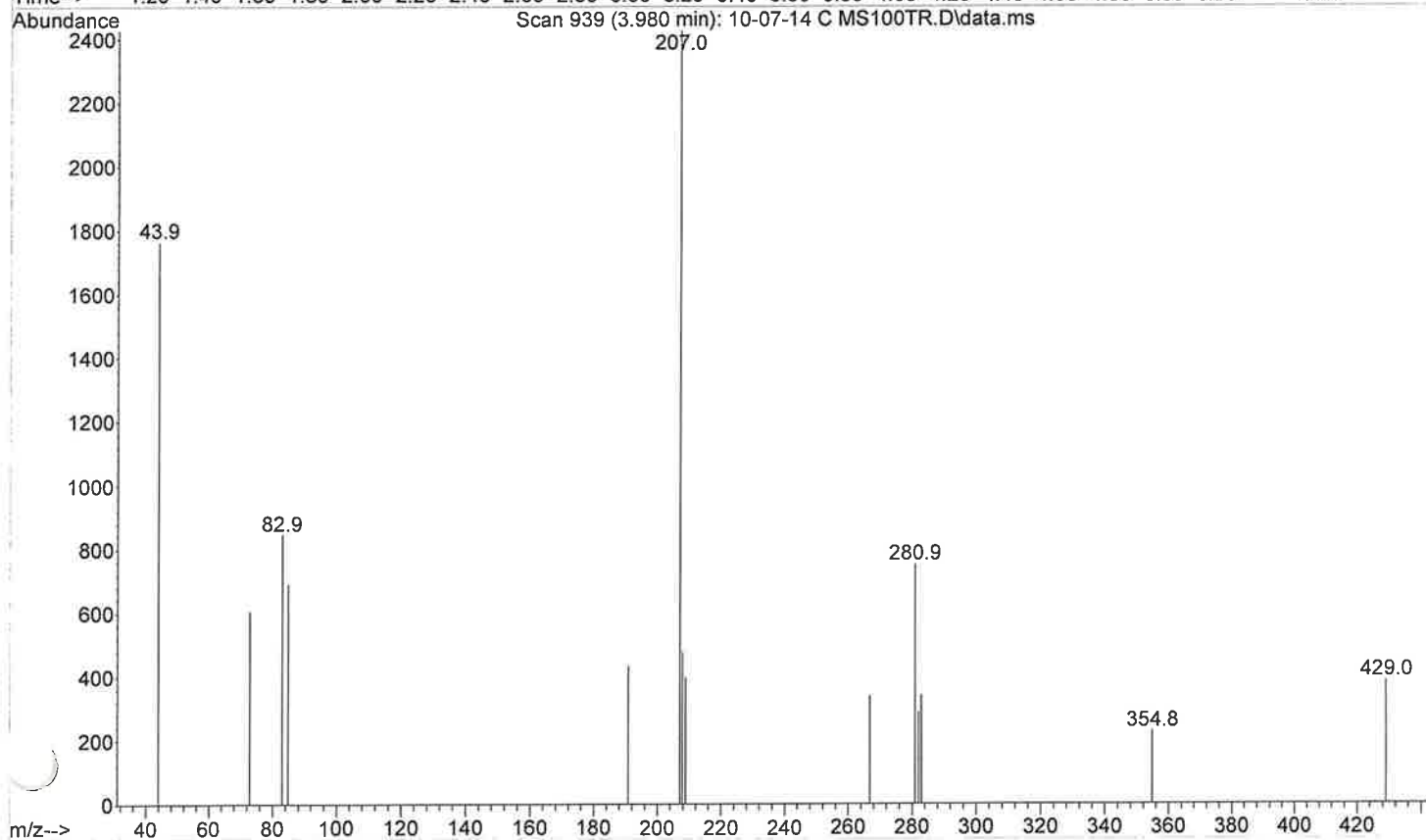
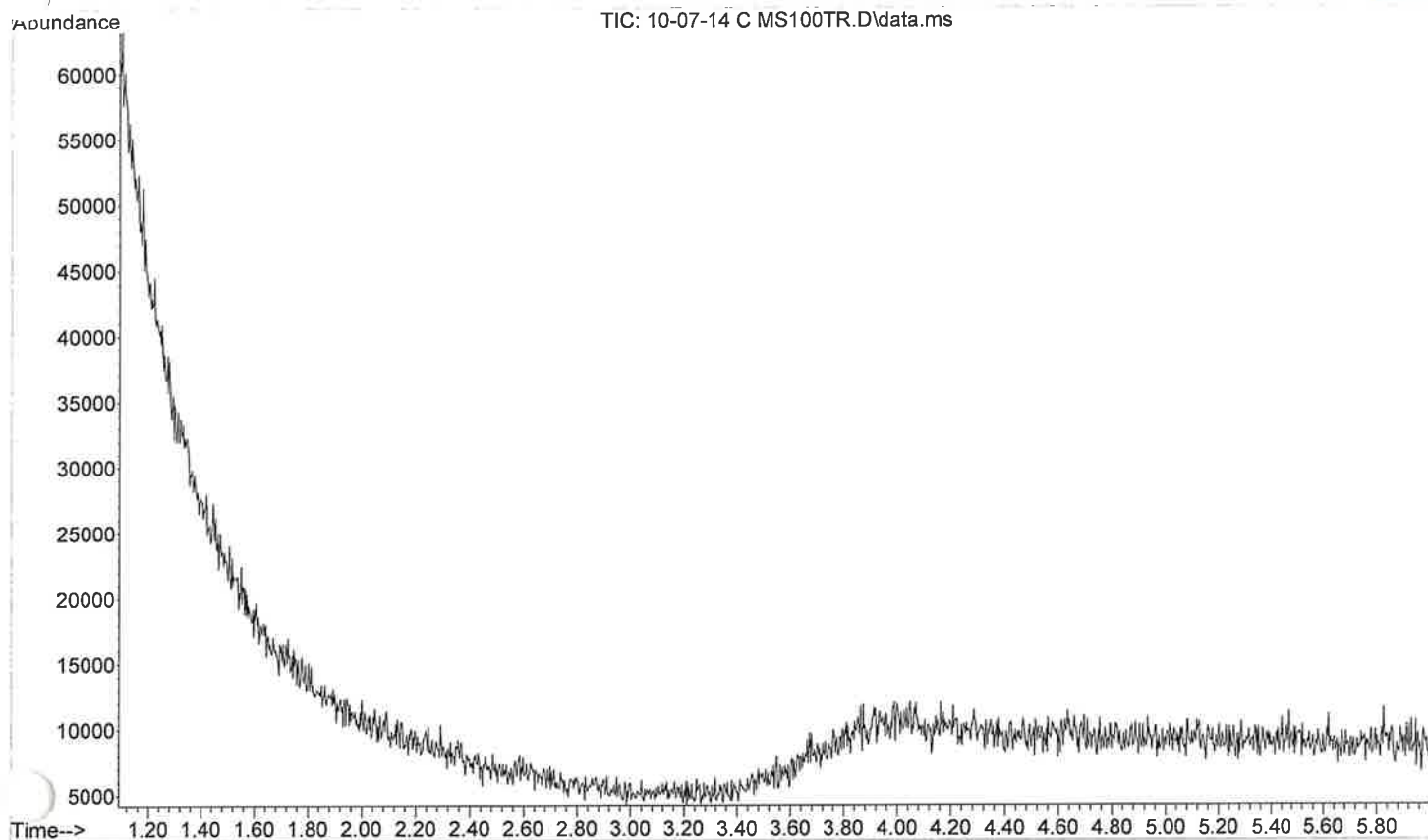


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Sample Name: Methanol Blank
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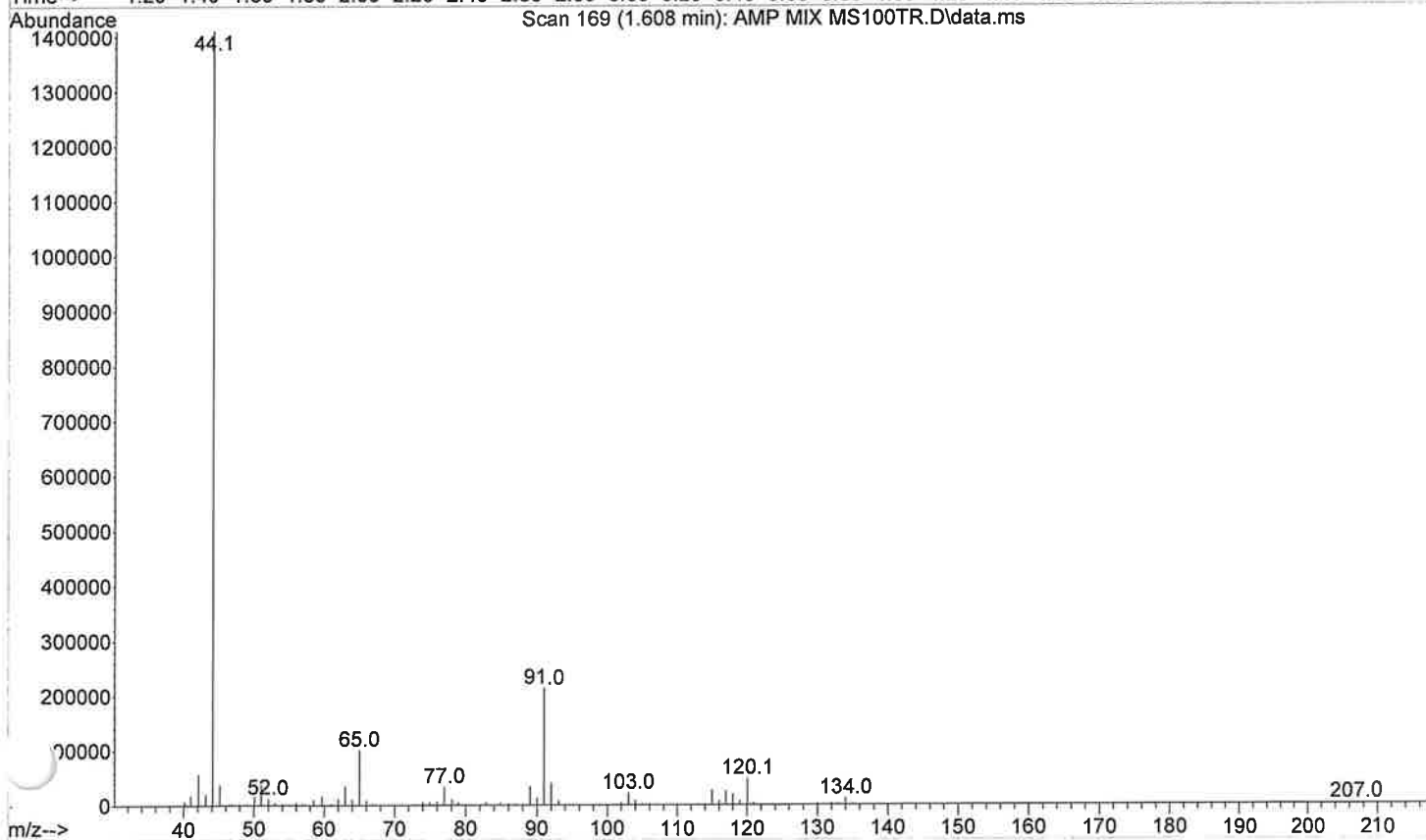
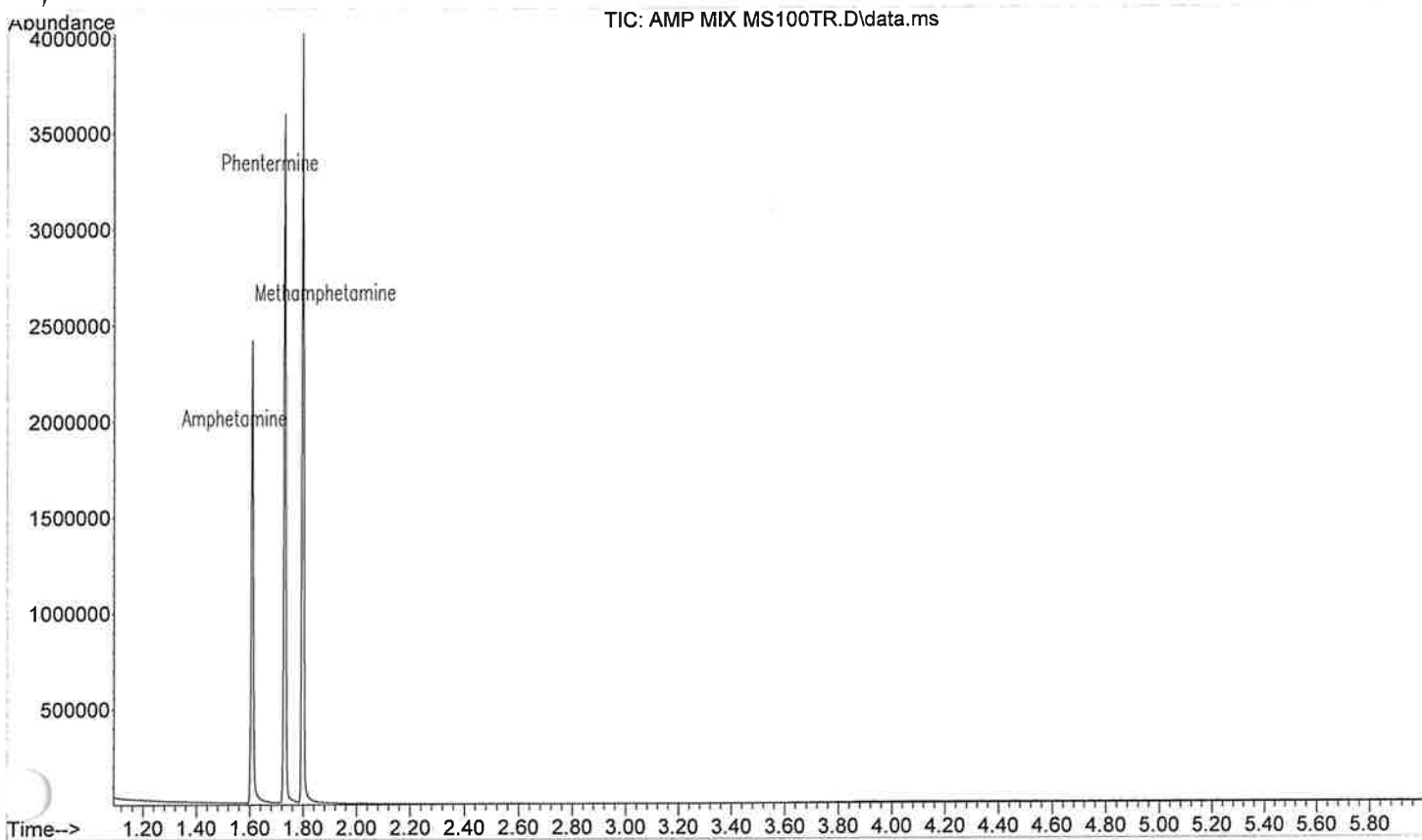


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Sample Name: Chloroform Blank
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Vial Number: 11

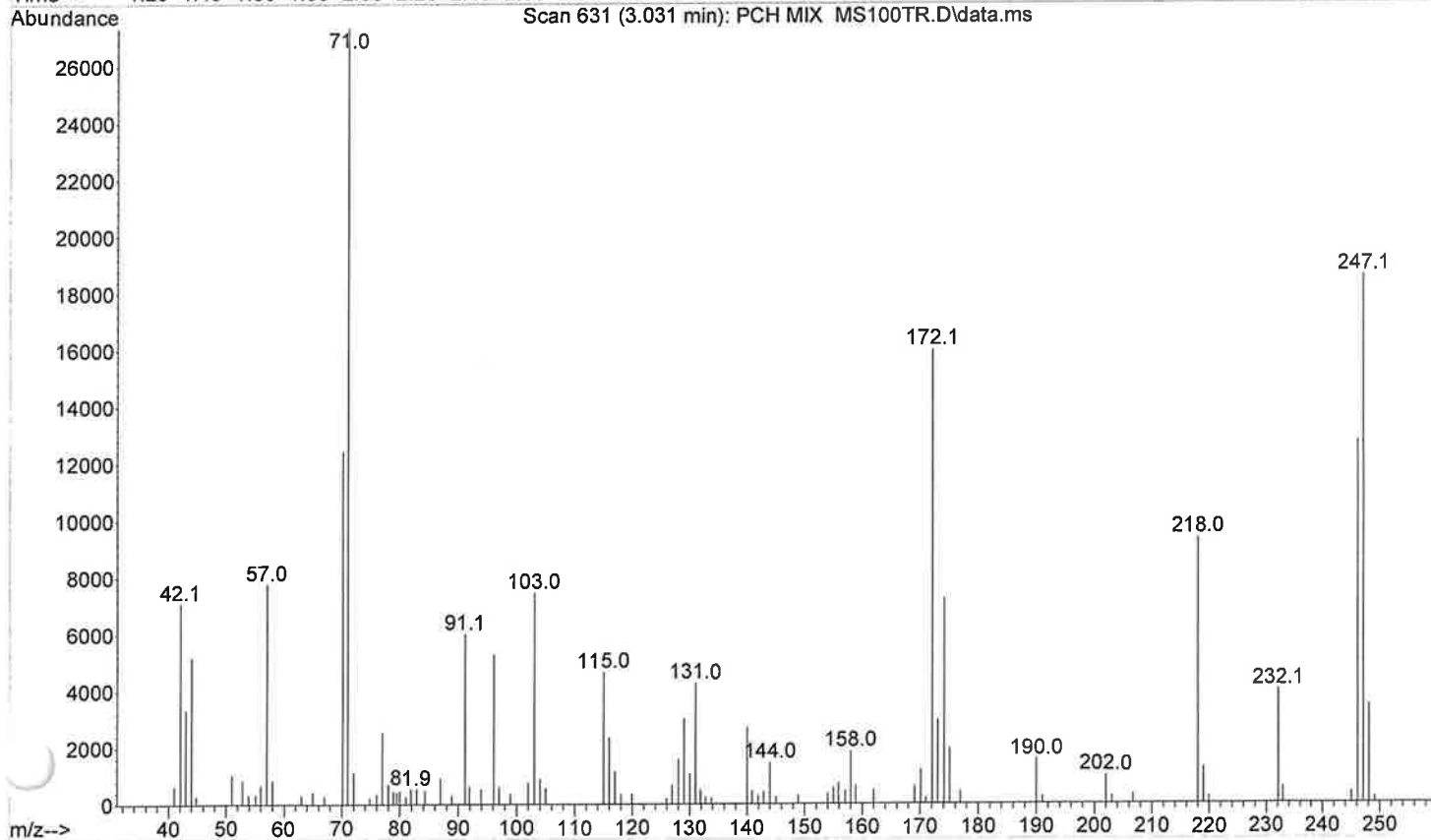
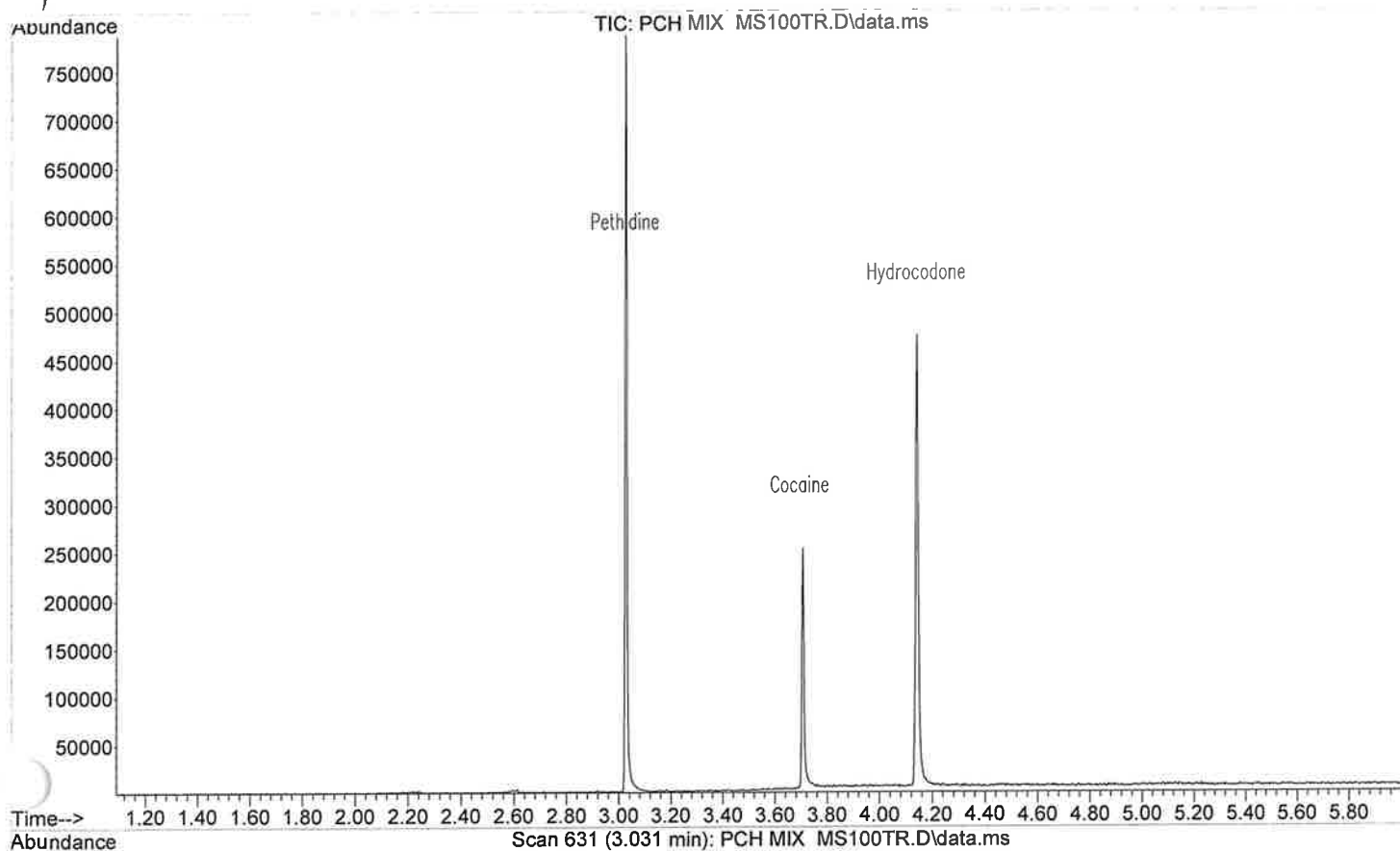
MS100TR



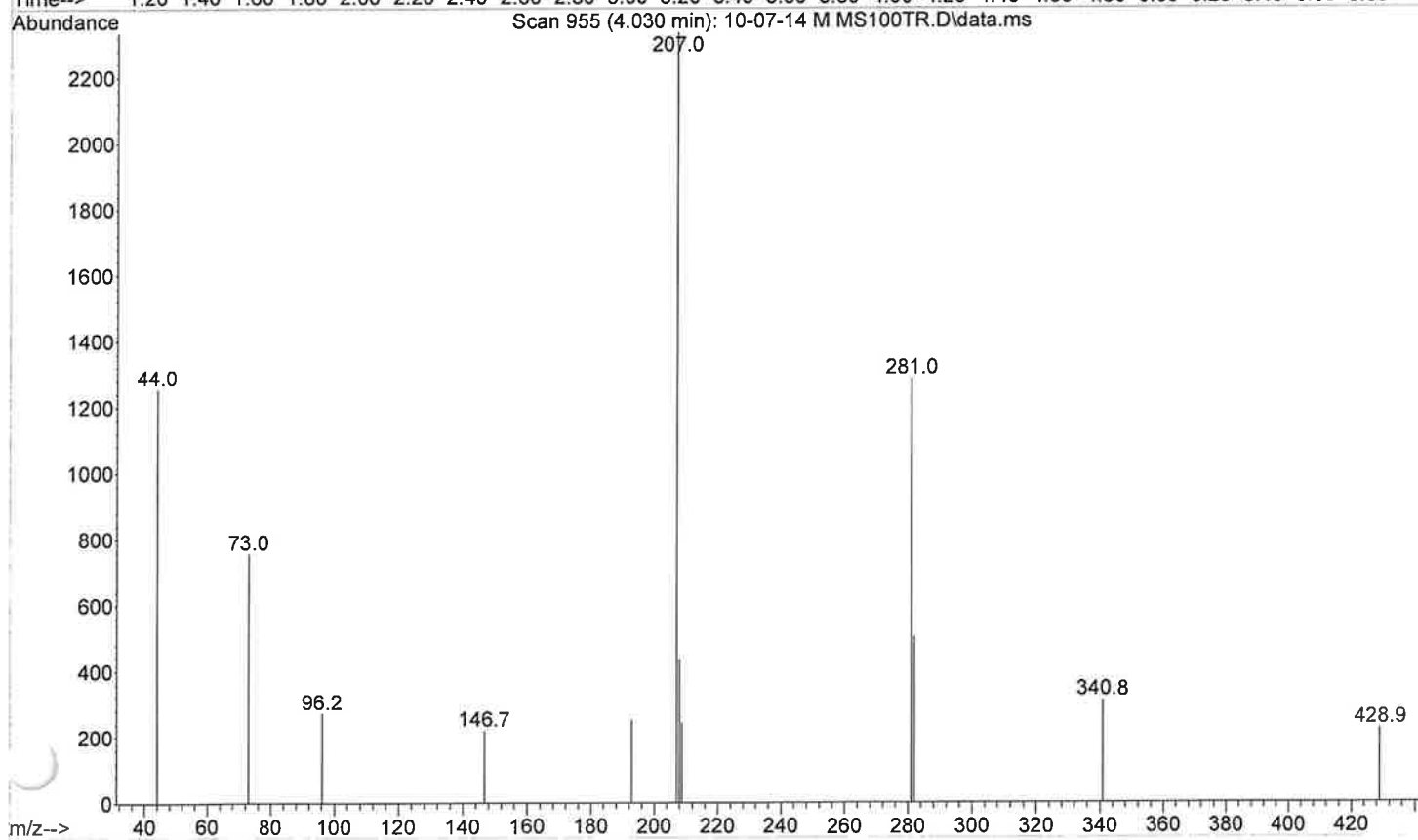
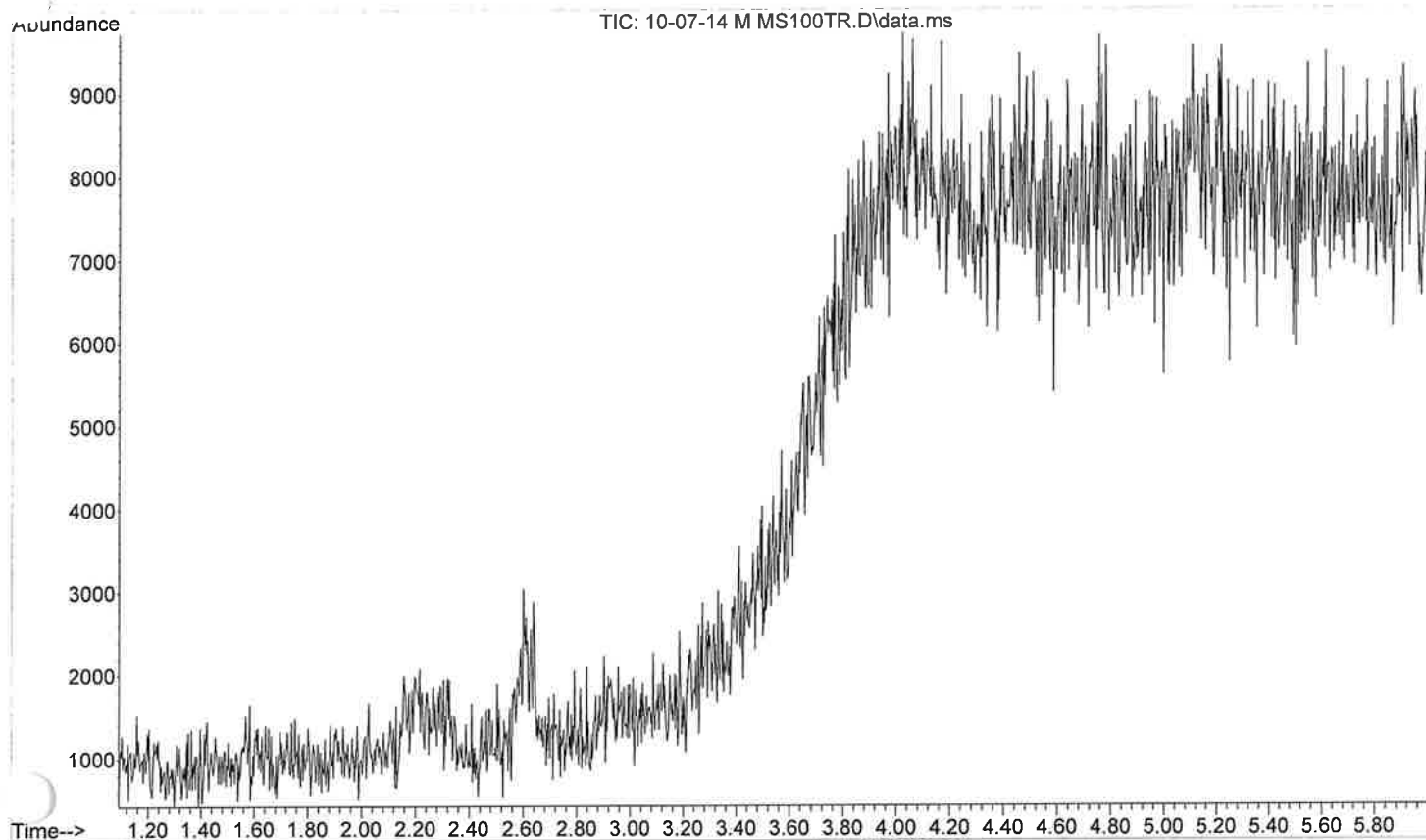
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Instrument : donna2
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 6 min
View Number: 11



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Operator : Lela Jackson
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Instrument : donna2
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 6 min
View Number: 11

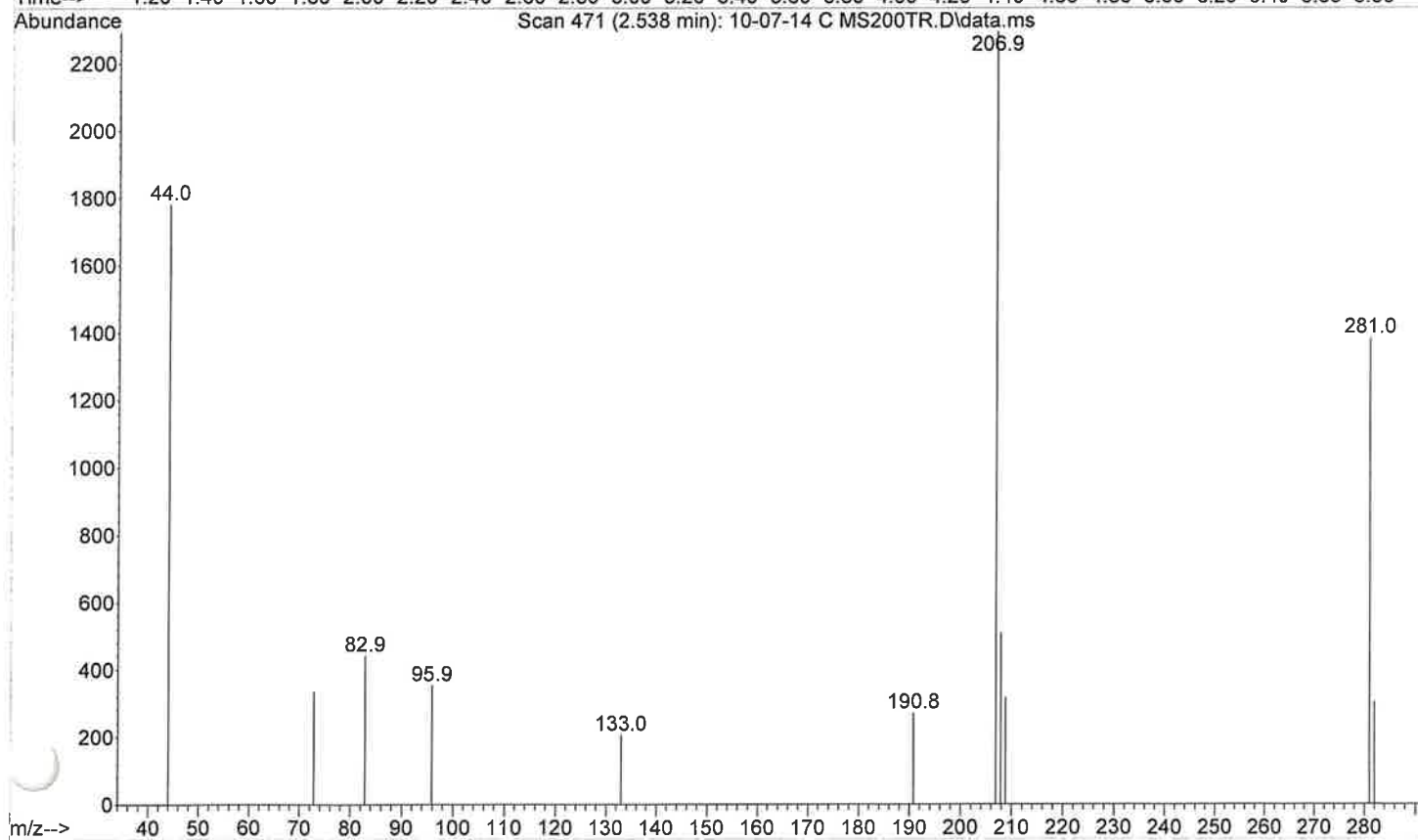
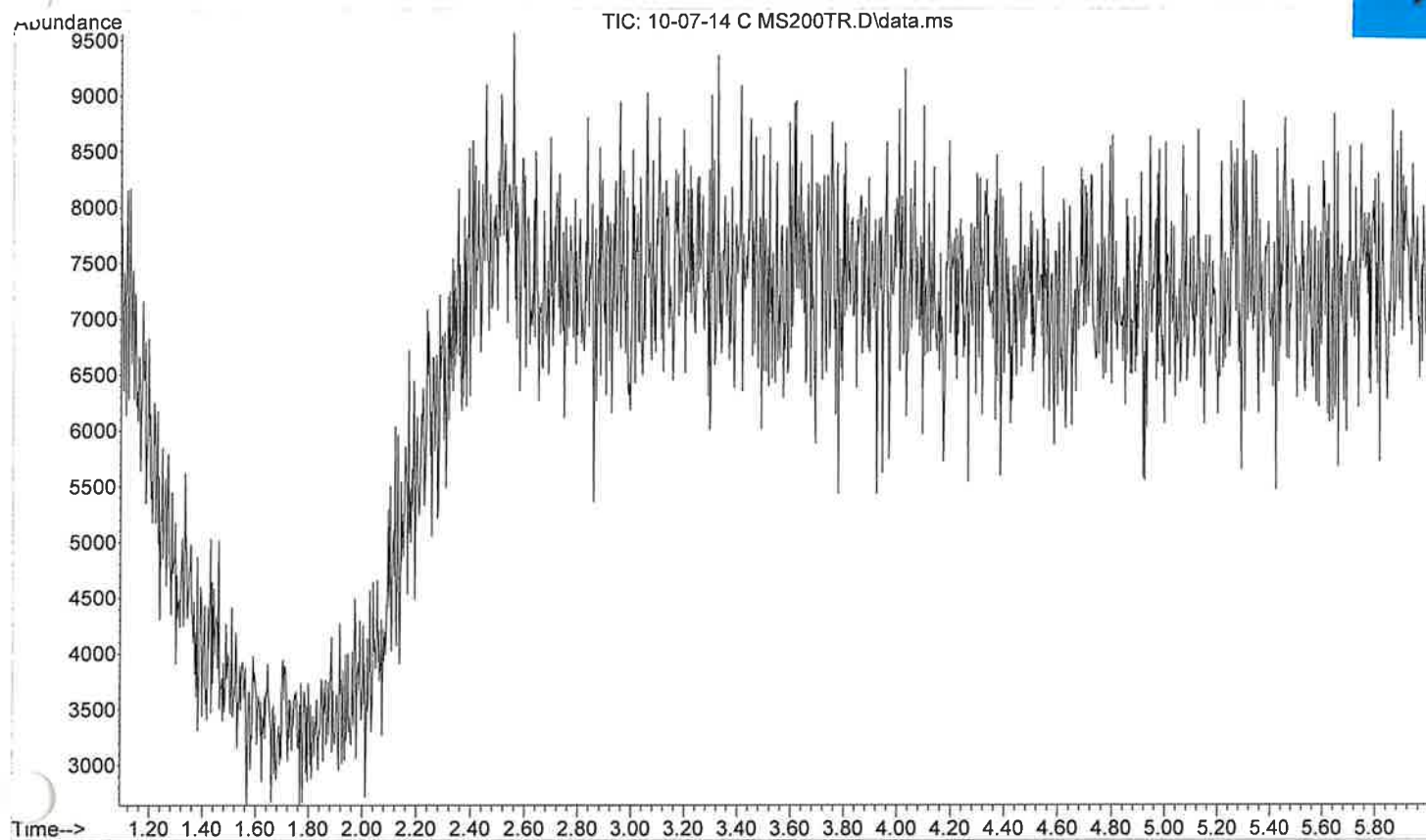


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Instrument : donna2
Sample Name: Methanol Blank
Misc Info : Methanol 100-280c @70c/min for 6 min
Vial Number: 11

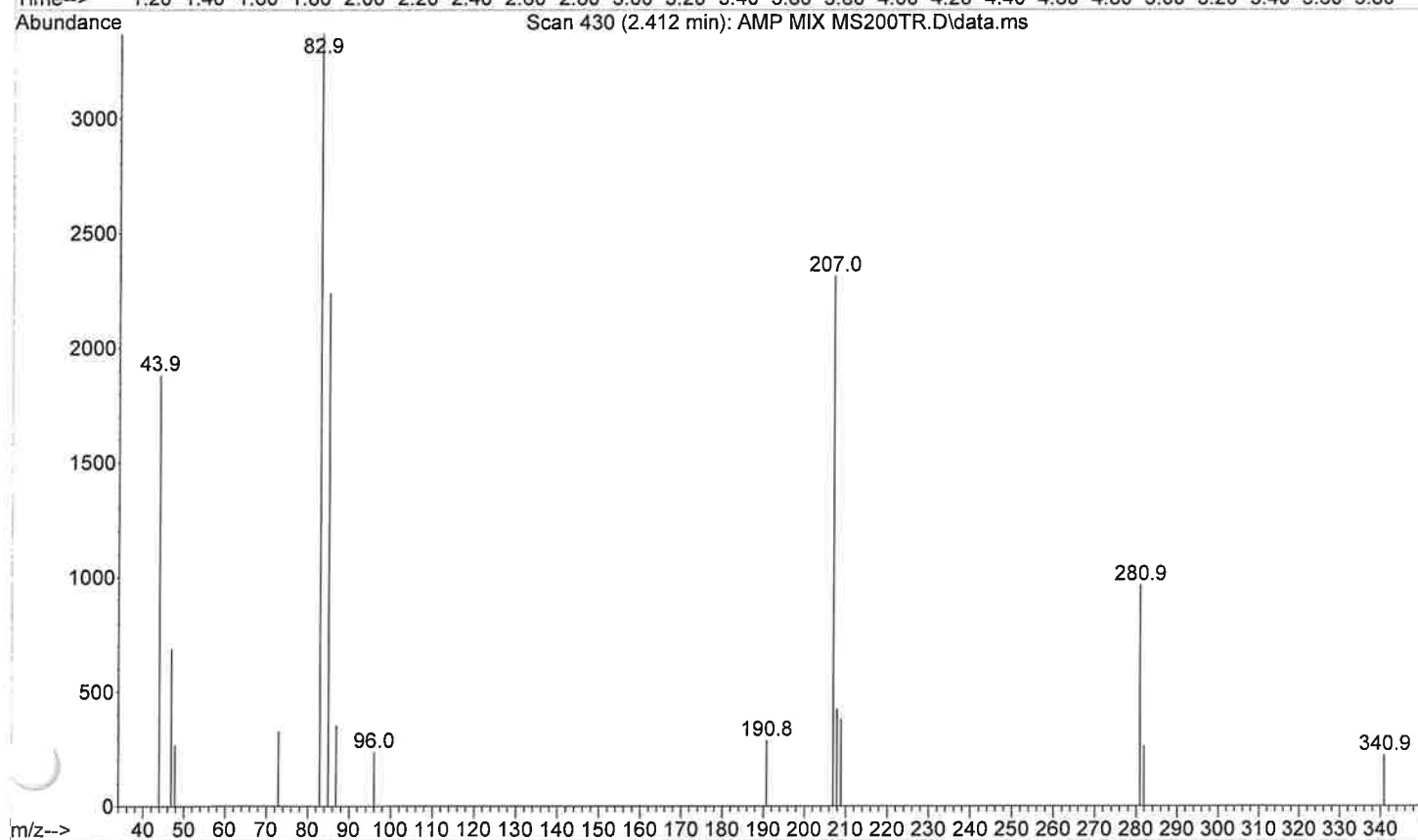
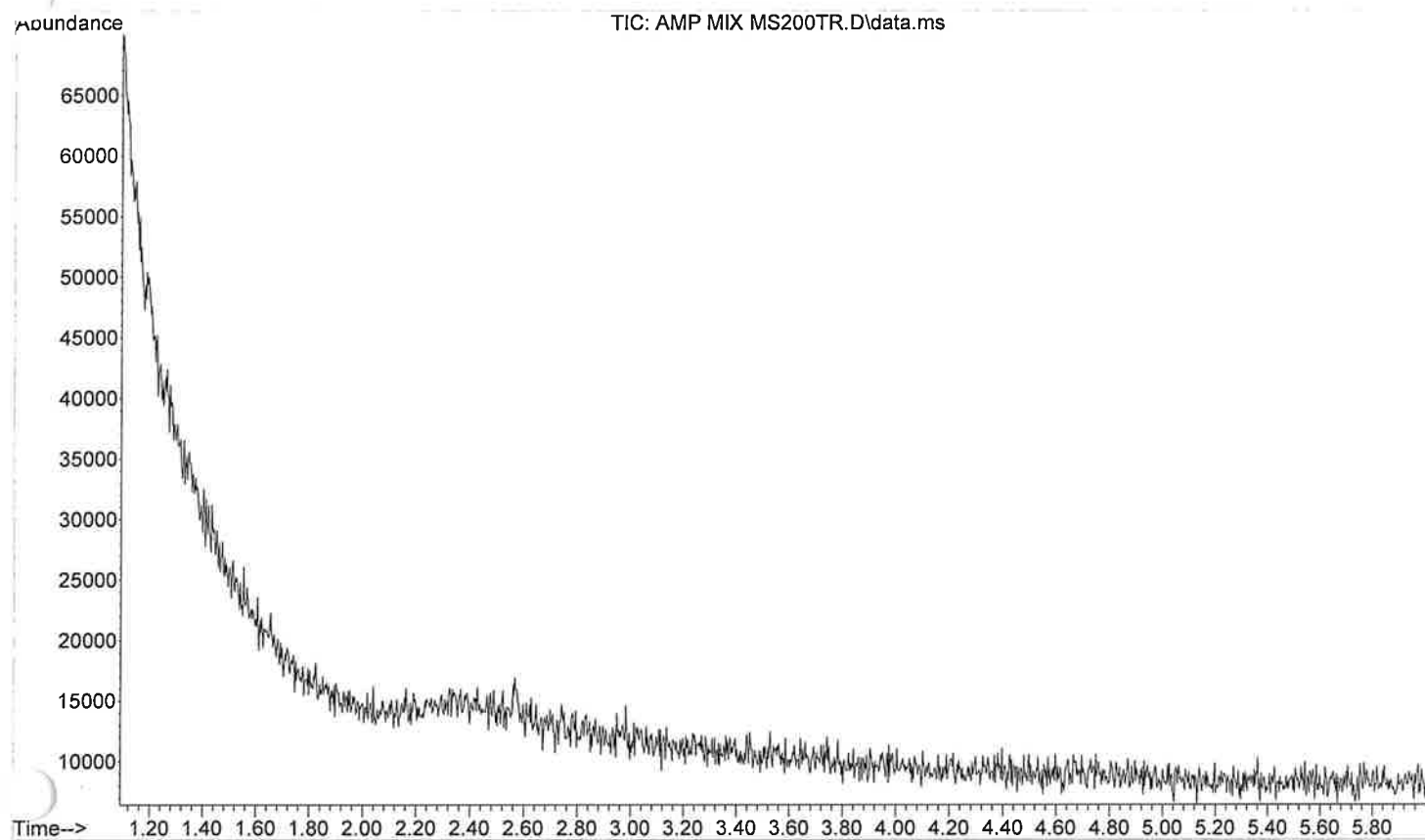


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Instrument : donna2
Sample Name: Chloroform Blank
Misc Info : Chloroform 200-280c@70c/min for 6 min
Vial Number: 11

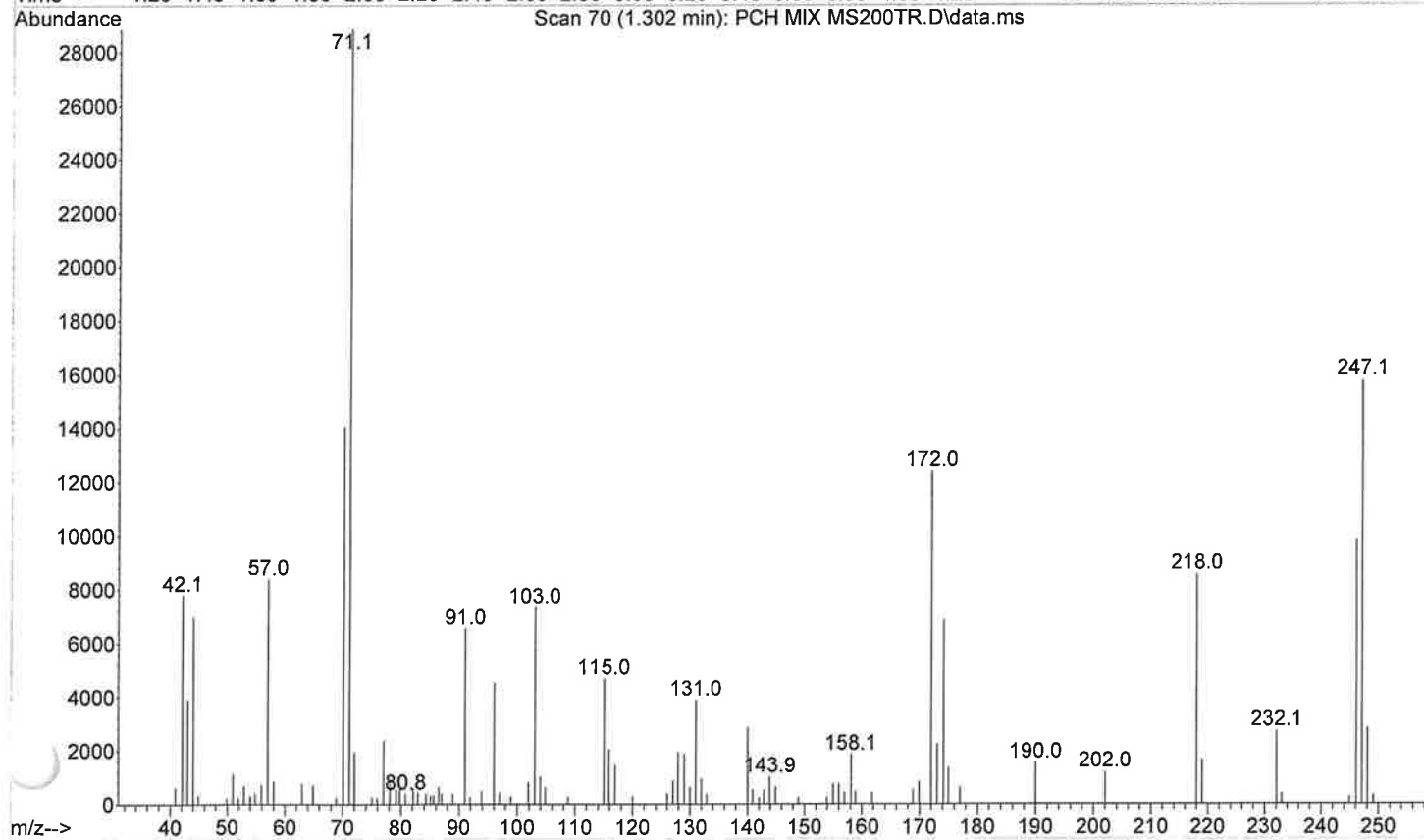
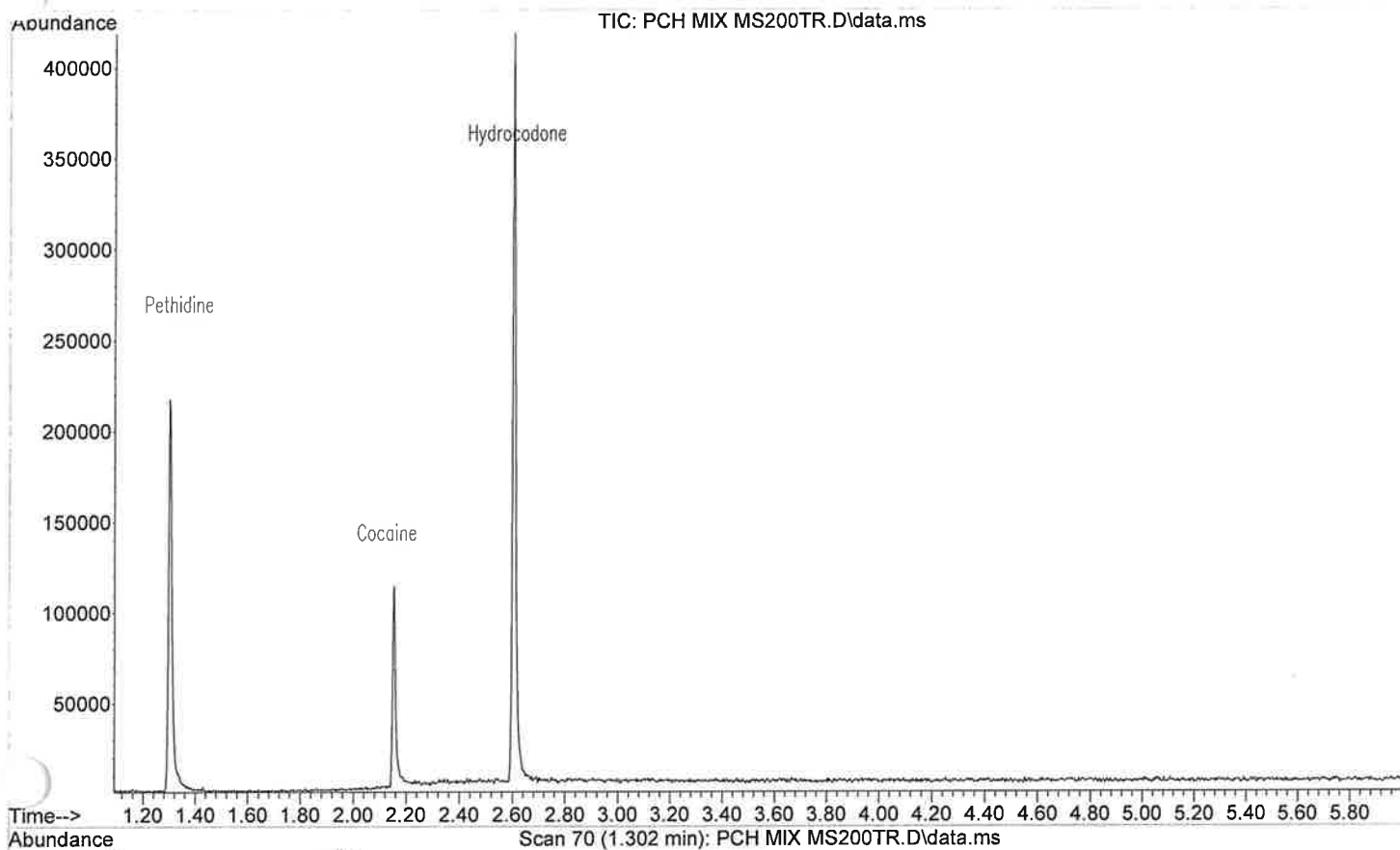
MS200TR



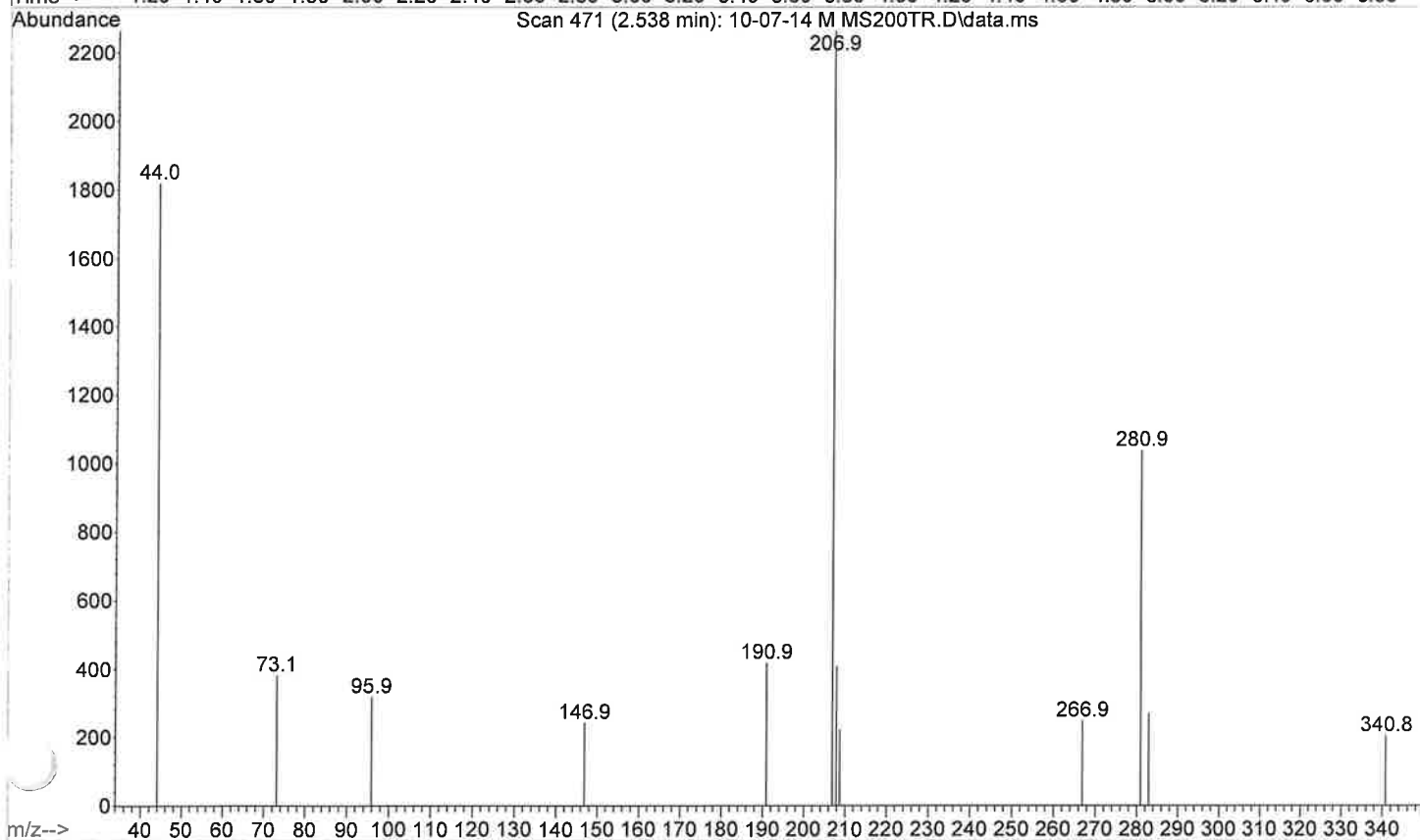
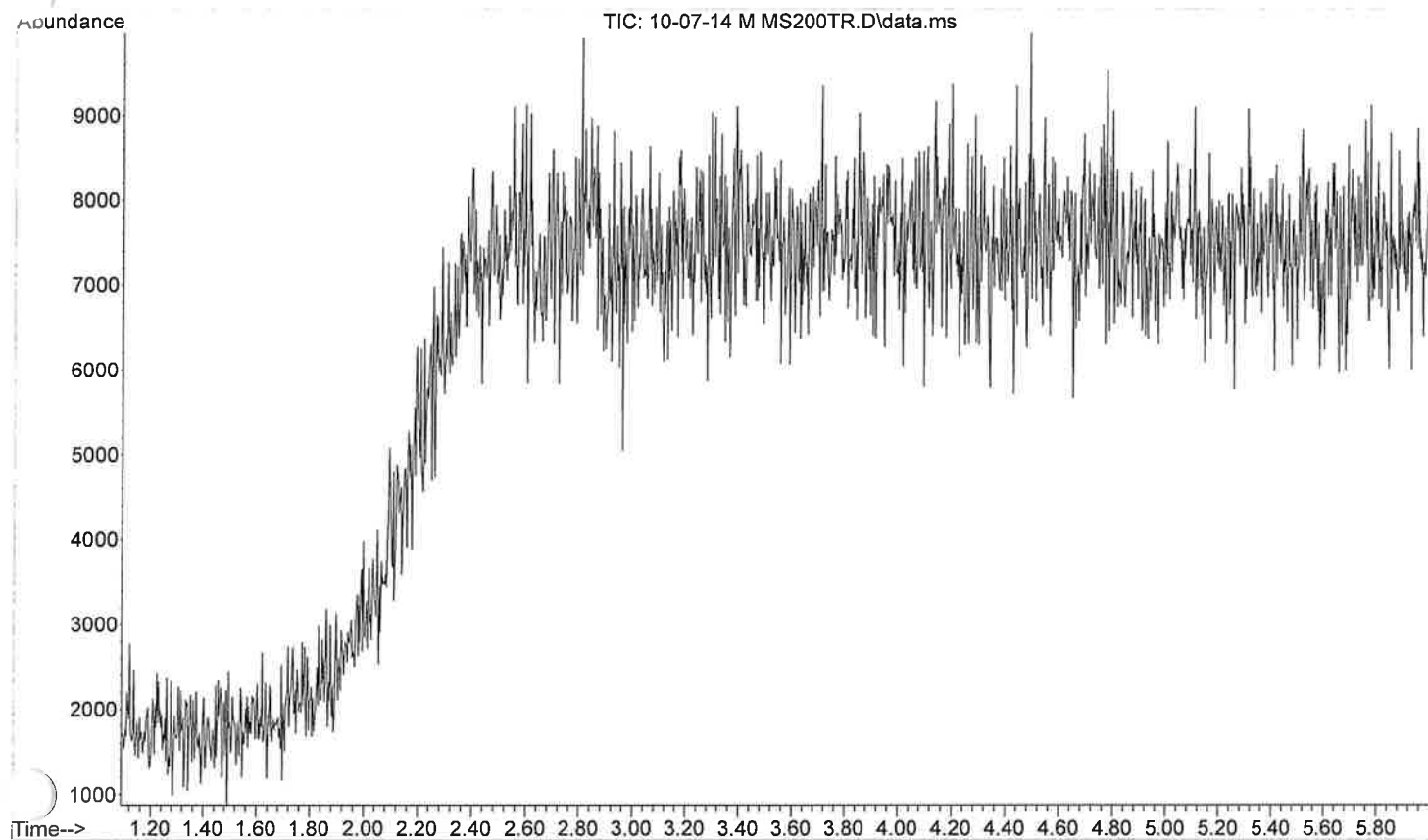
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Instrument : donna2
Sample Name: Amphetamine, Methamphetamine, Pethidine
Misc Info : Chloroform 200-280c@70c/min for 6 min
Vial Number: 11



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Operator : Lela Jackson
Acquired : 7 Oct 2014 14:18 using AcqMethod MS200TR.M
Instrument : donna2
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c@70c/min for 6 min
Vial Number: 11

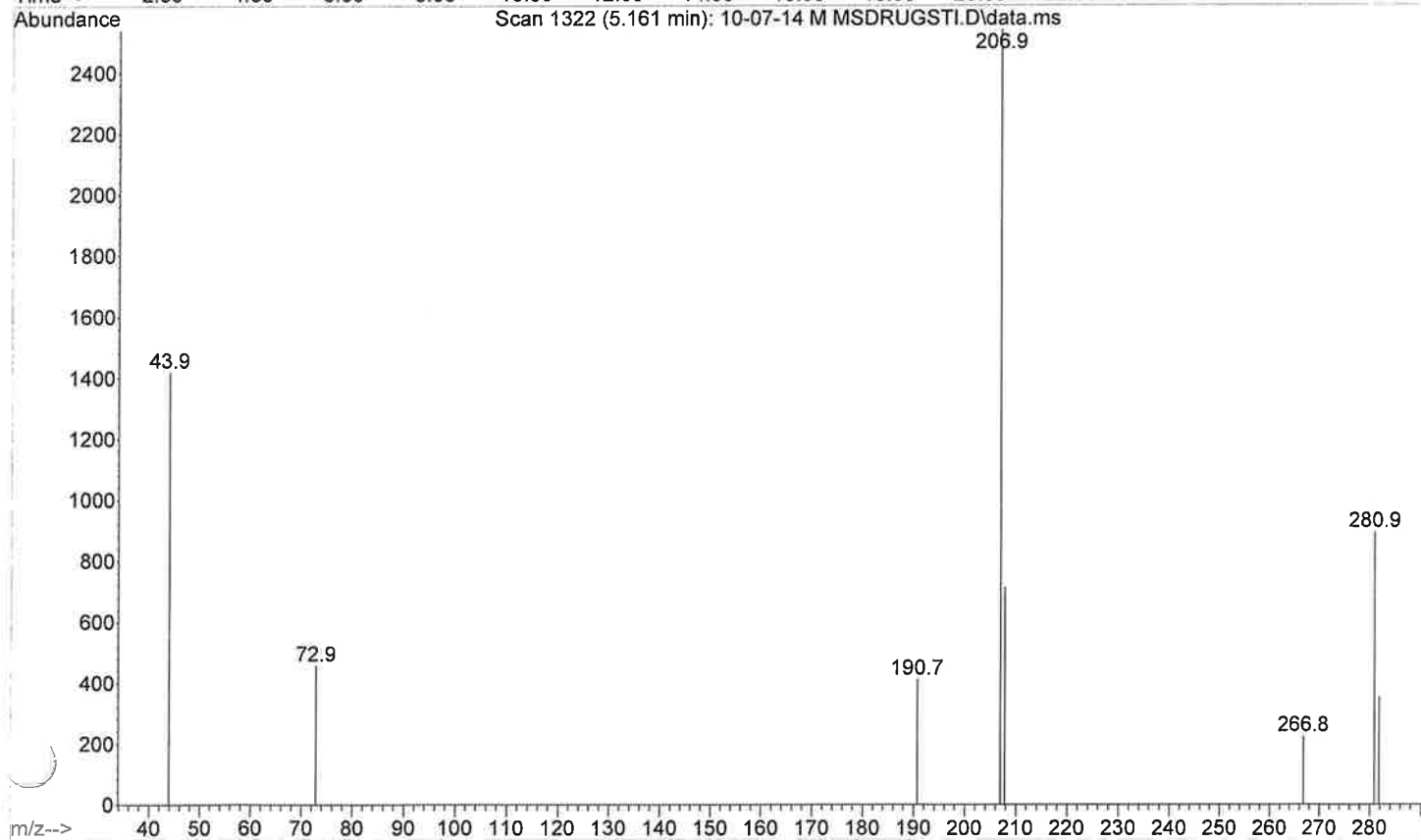
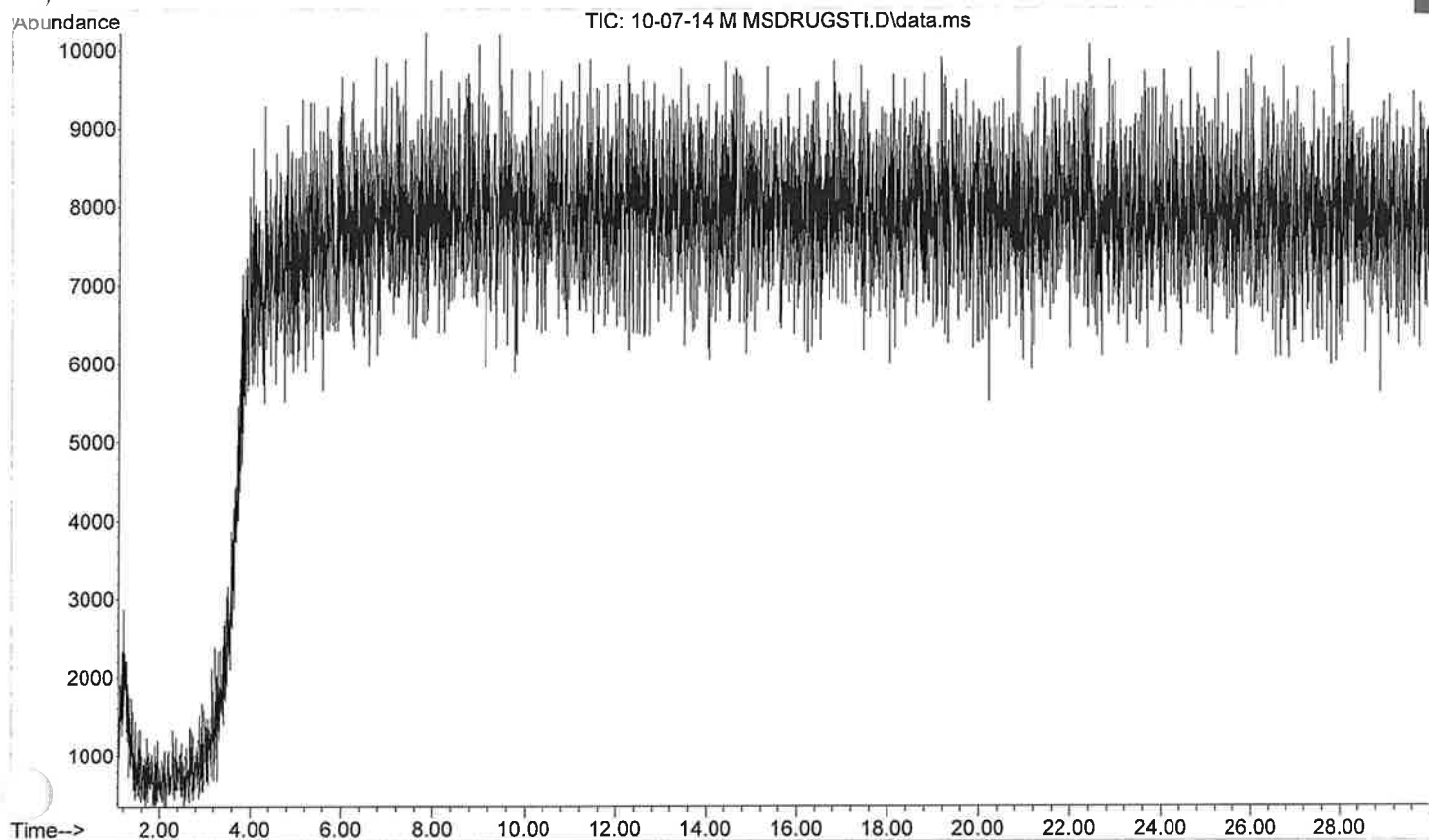


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Acquired : 7 Oct 2014 14:10 using AcqMethod MS200TR.M
Instrument : donna2
Sample Name: Methanol Blank
Misc Info : Methanol 200-280c@70c/min for 6 min
Vial Number: 11



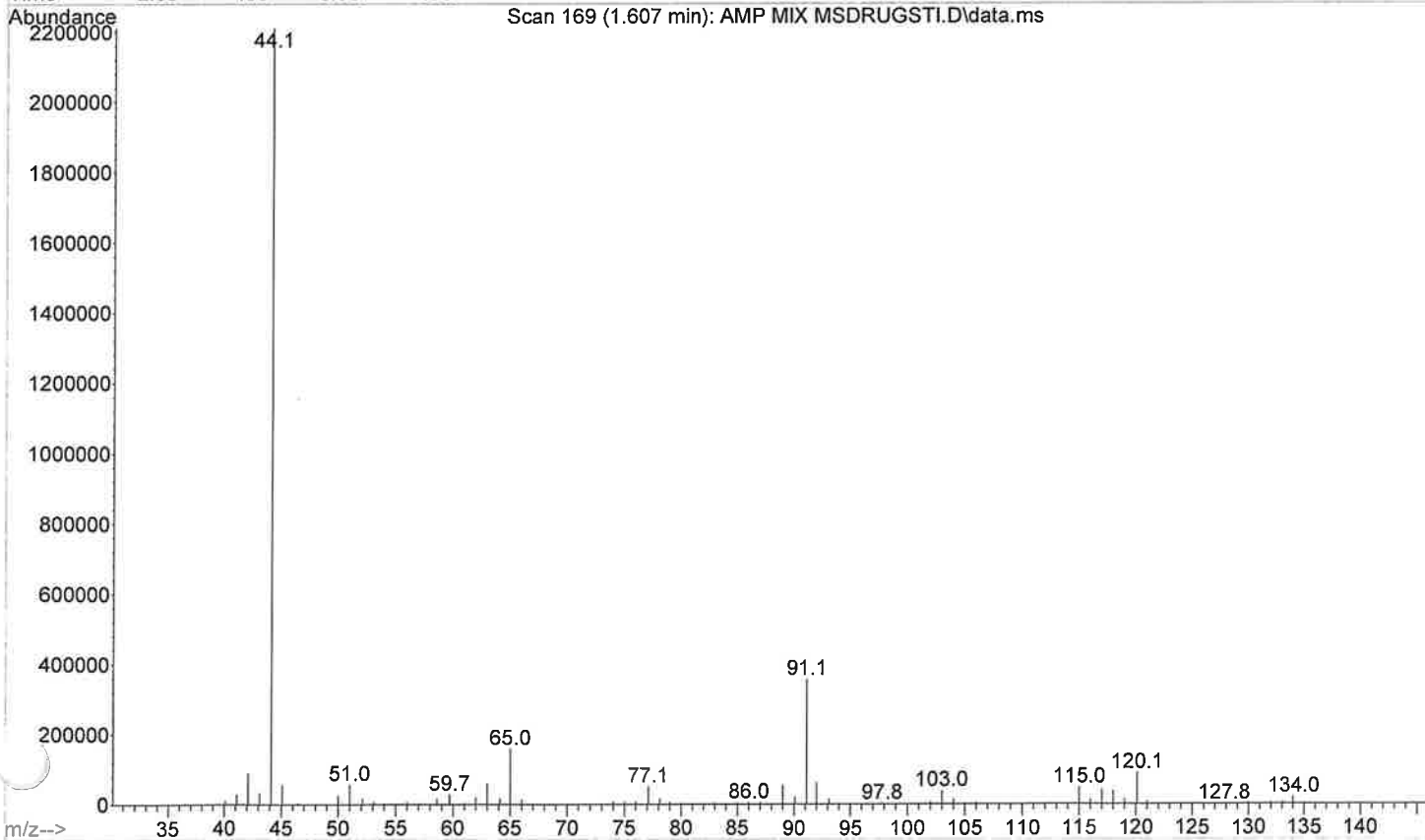
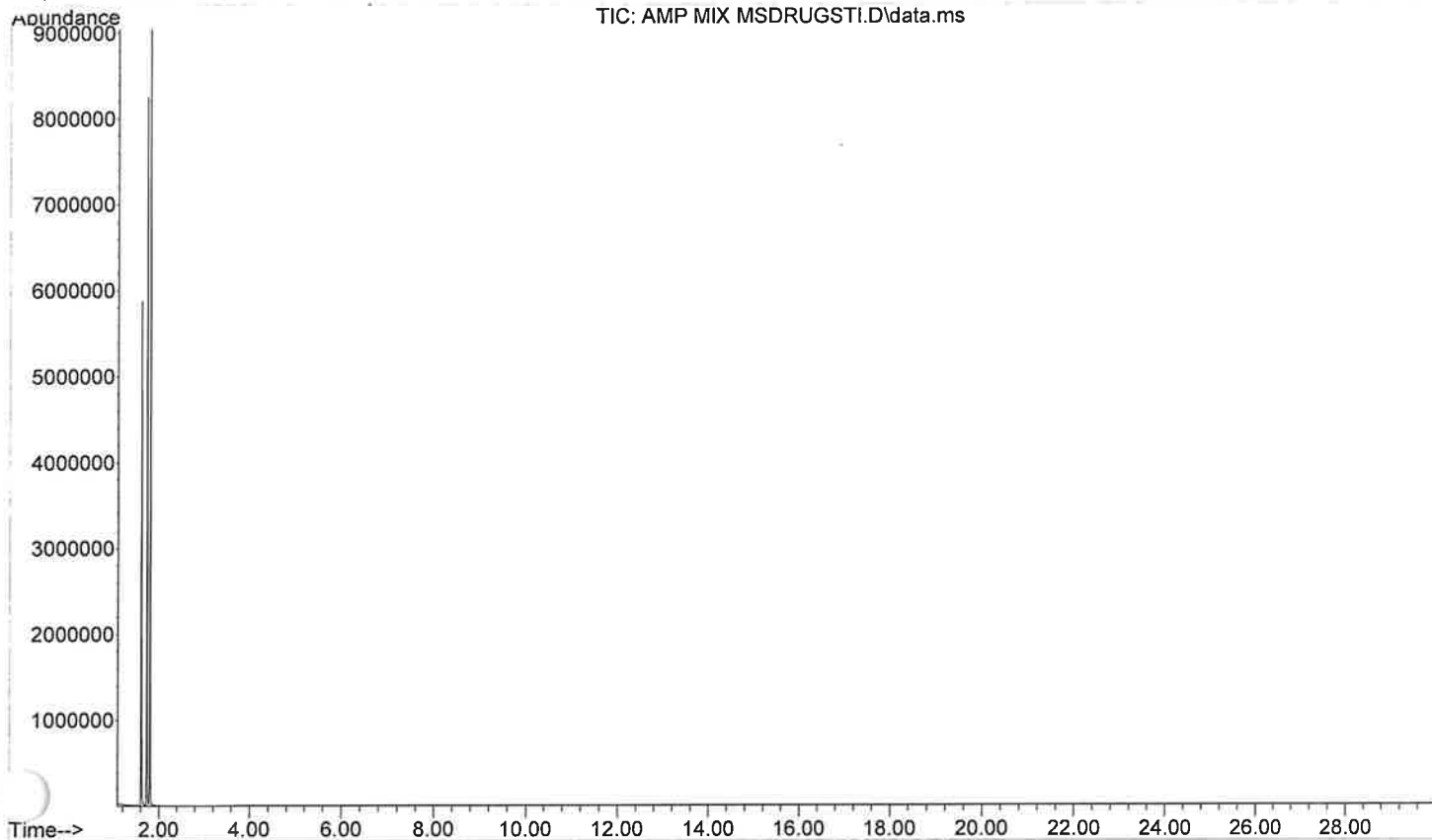
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Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 7:07 using AcqMethod MS DRUGSTI.M
Sample Name: Methanol Blank
Misc Info : Methanol 100-280c @70c/min for 30 min

MS DRUGSTI

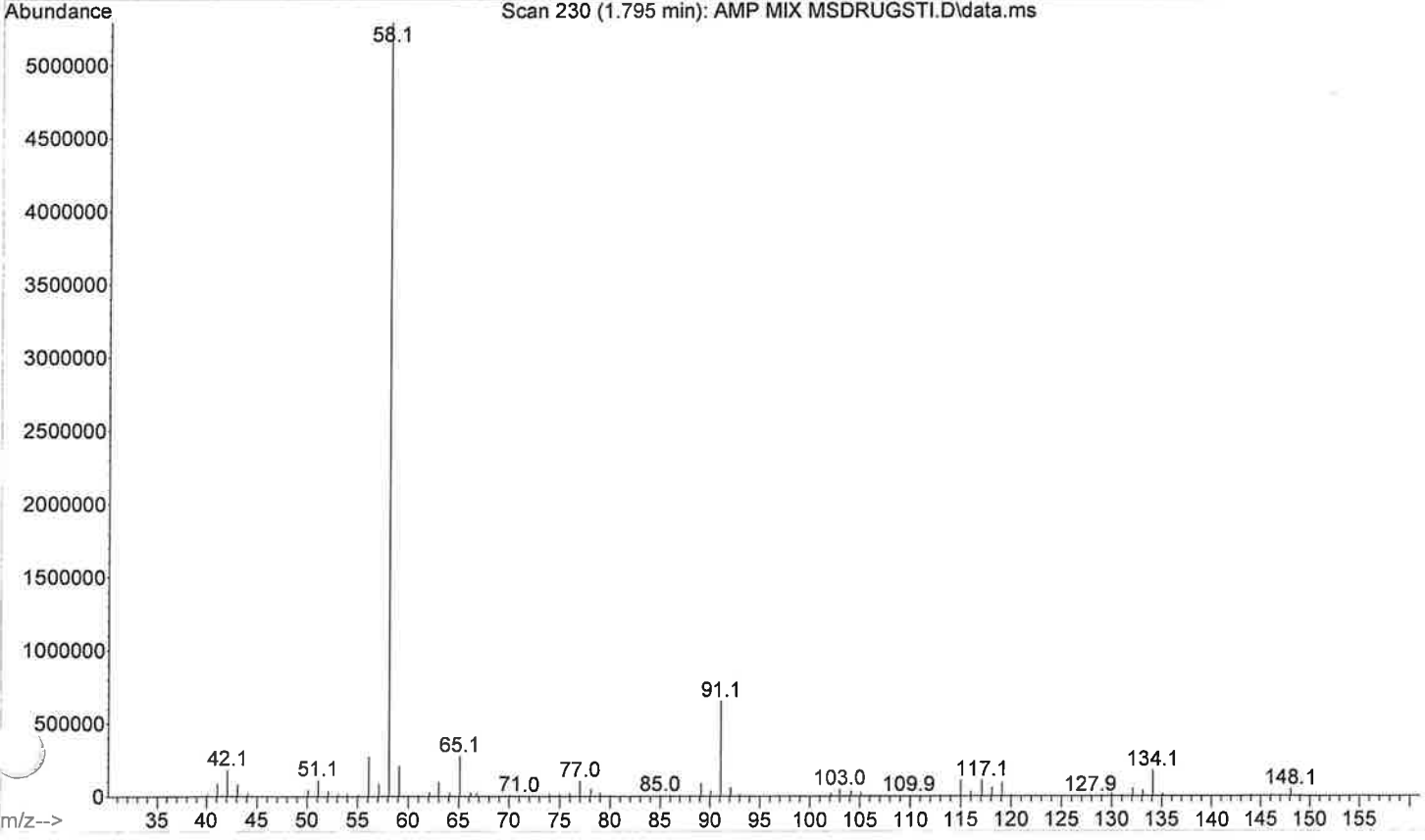
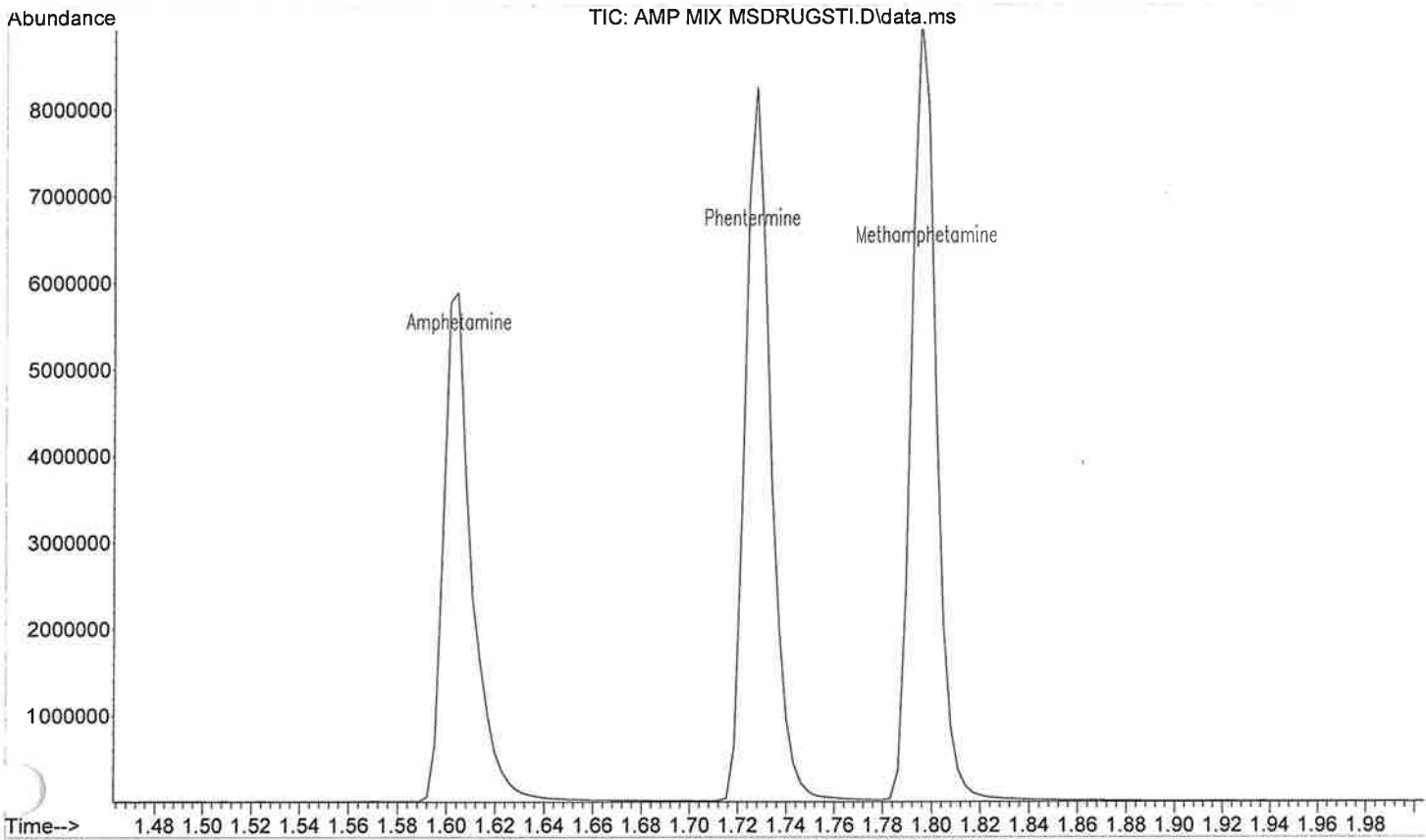


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Operator : Lela Jackson
Acquired : 7 Oct 2014 7:40 using AcqMethod MSDRUGSTI.M
Instrument : donna2
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Methanol 100-280c @70c/min for 30 min
Vial Number: 11

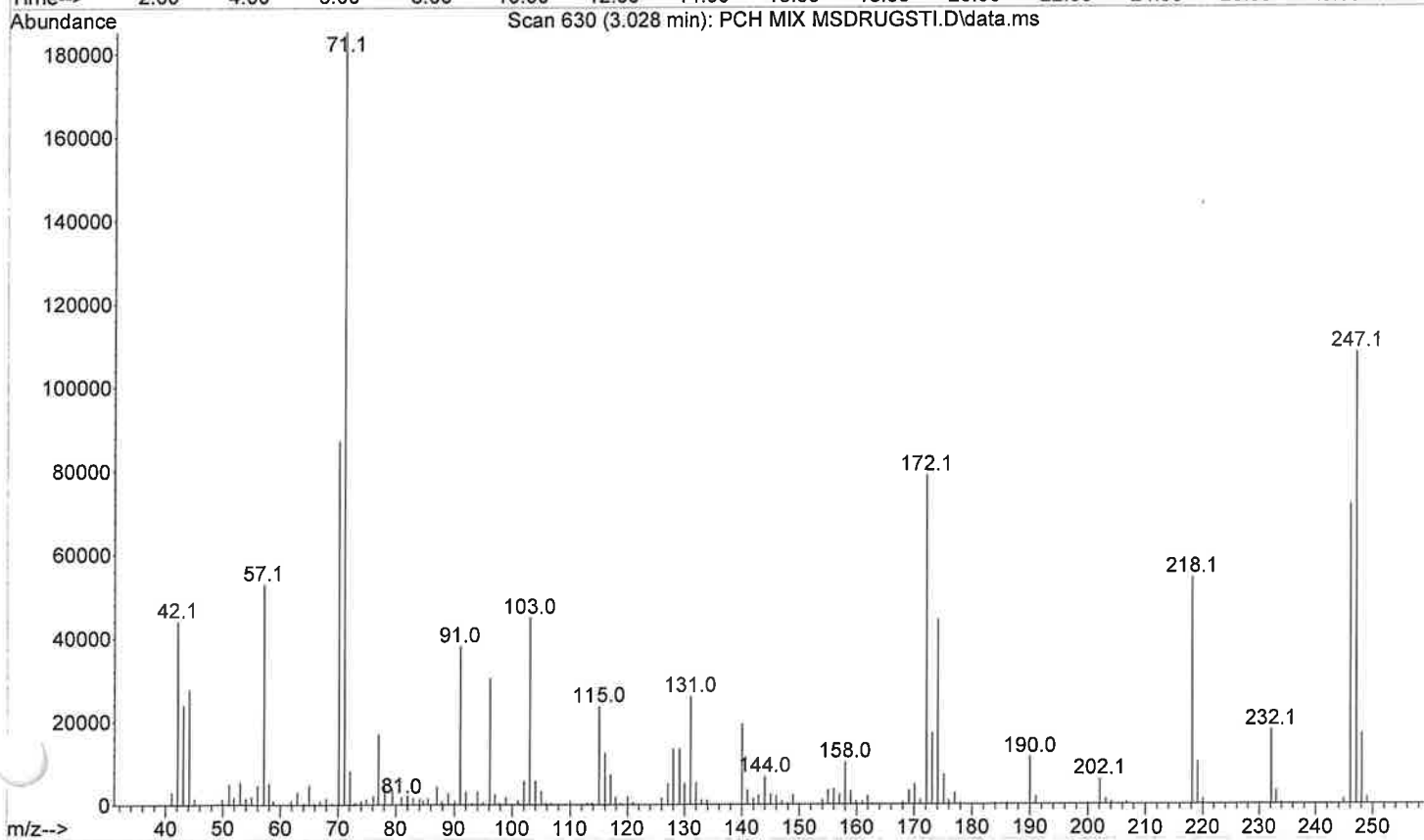
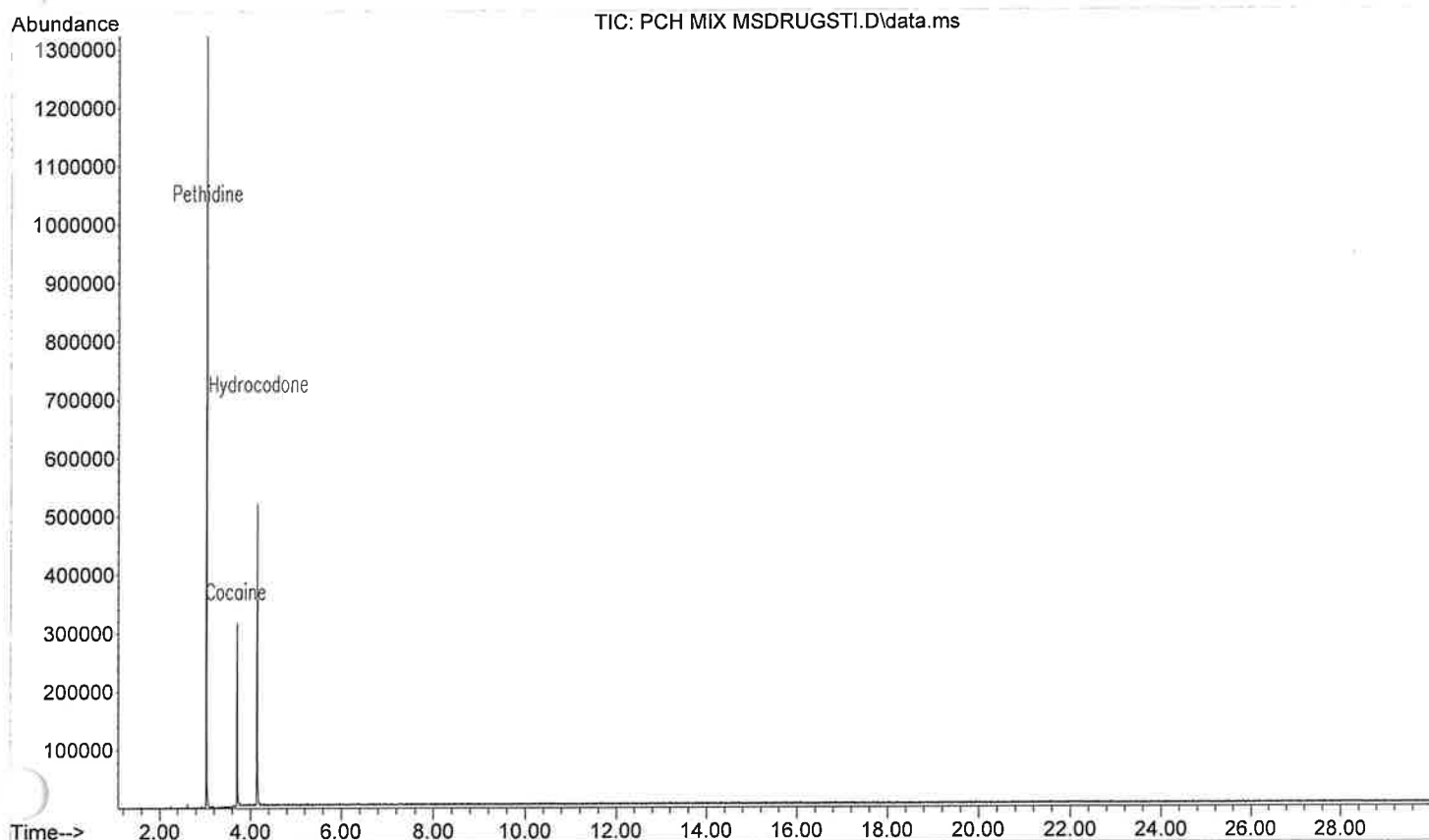
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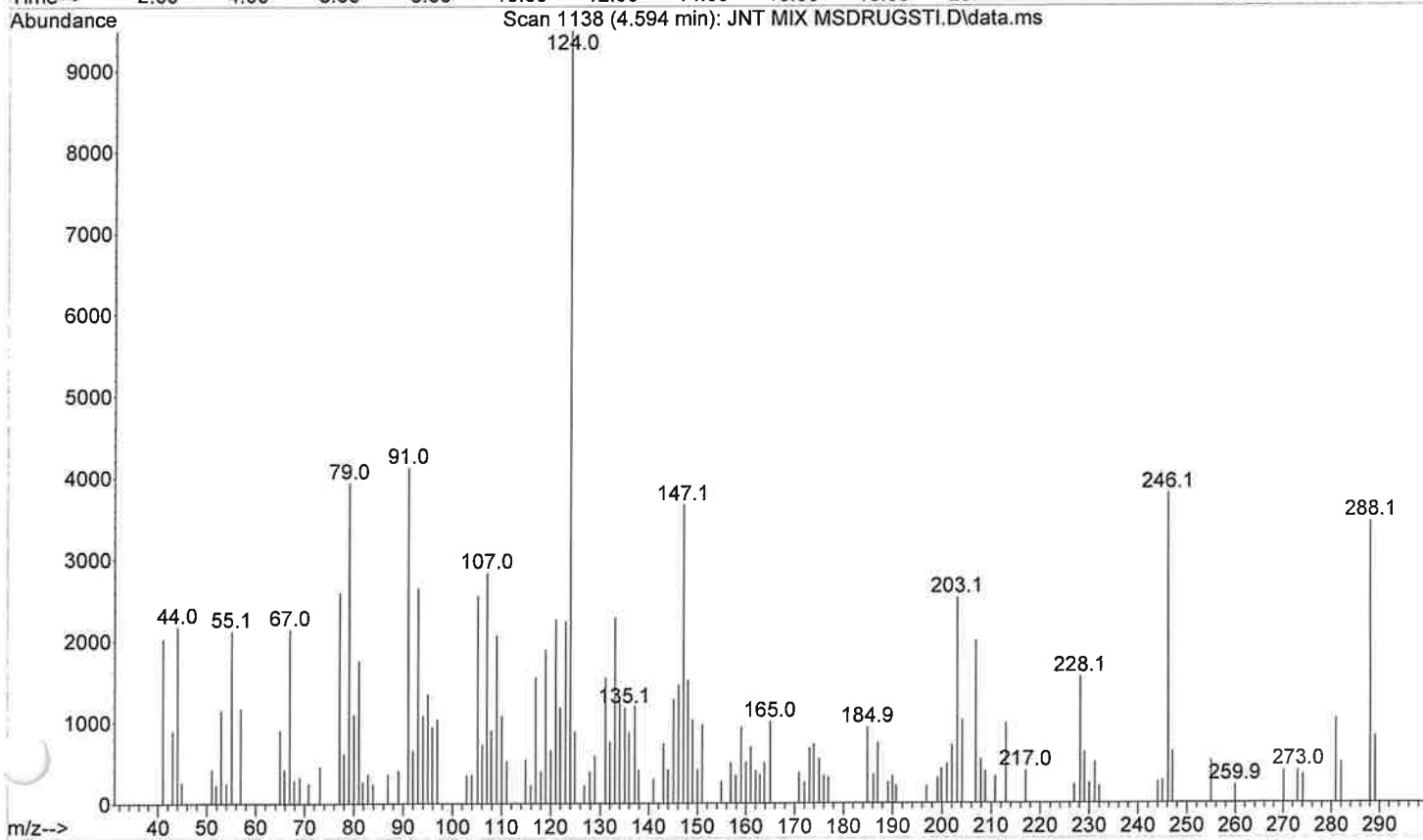
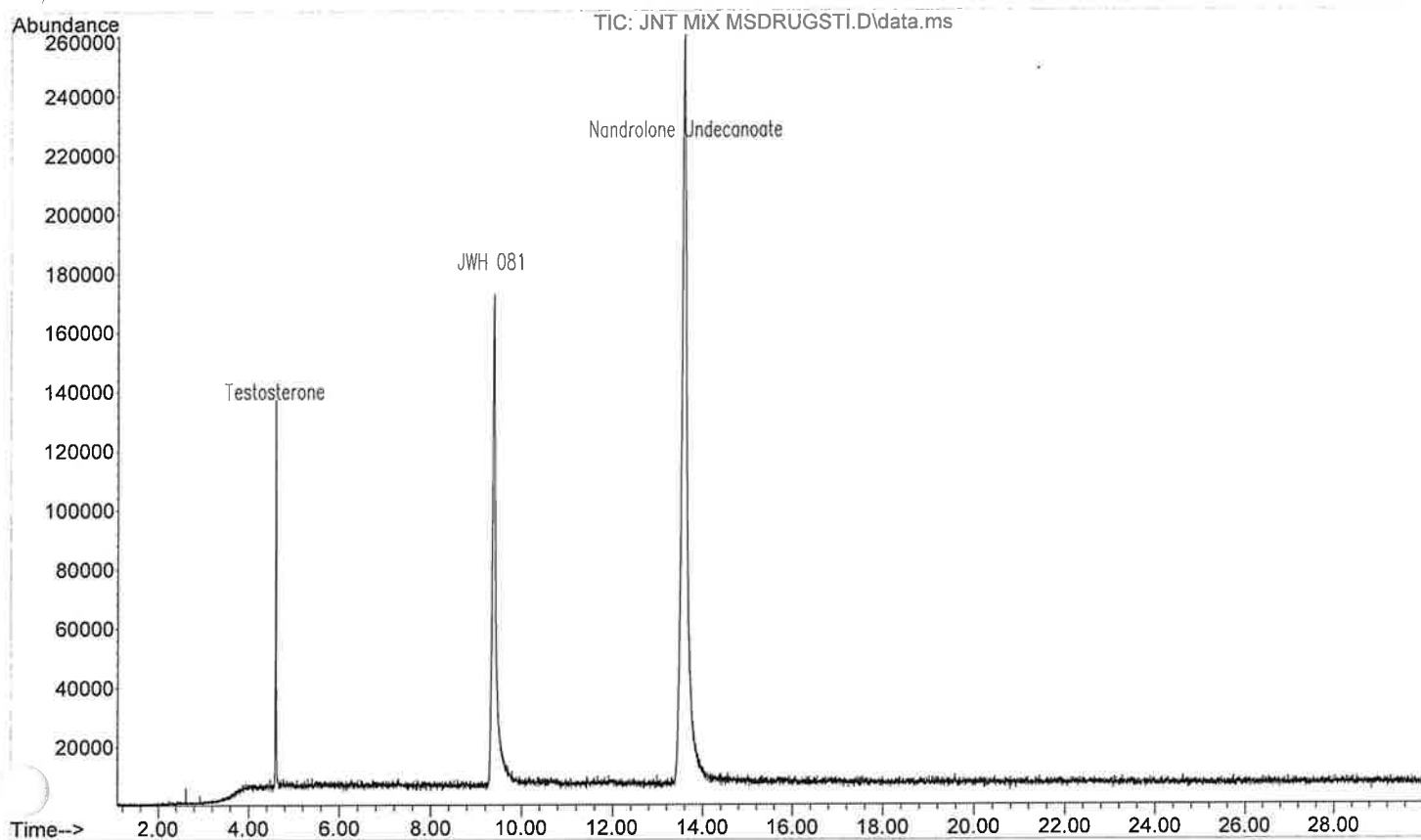
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Operator : Lela Jackson
Acquired : 7 Oct 2014 7:40 using AcqMethod MS DRUGSTI.M
Instrument : donna2
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Methanol 100-280c @70c/min for 30 min
View Number: 11



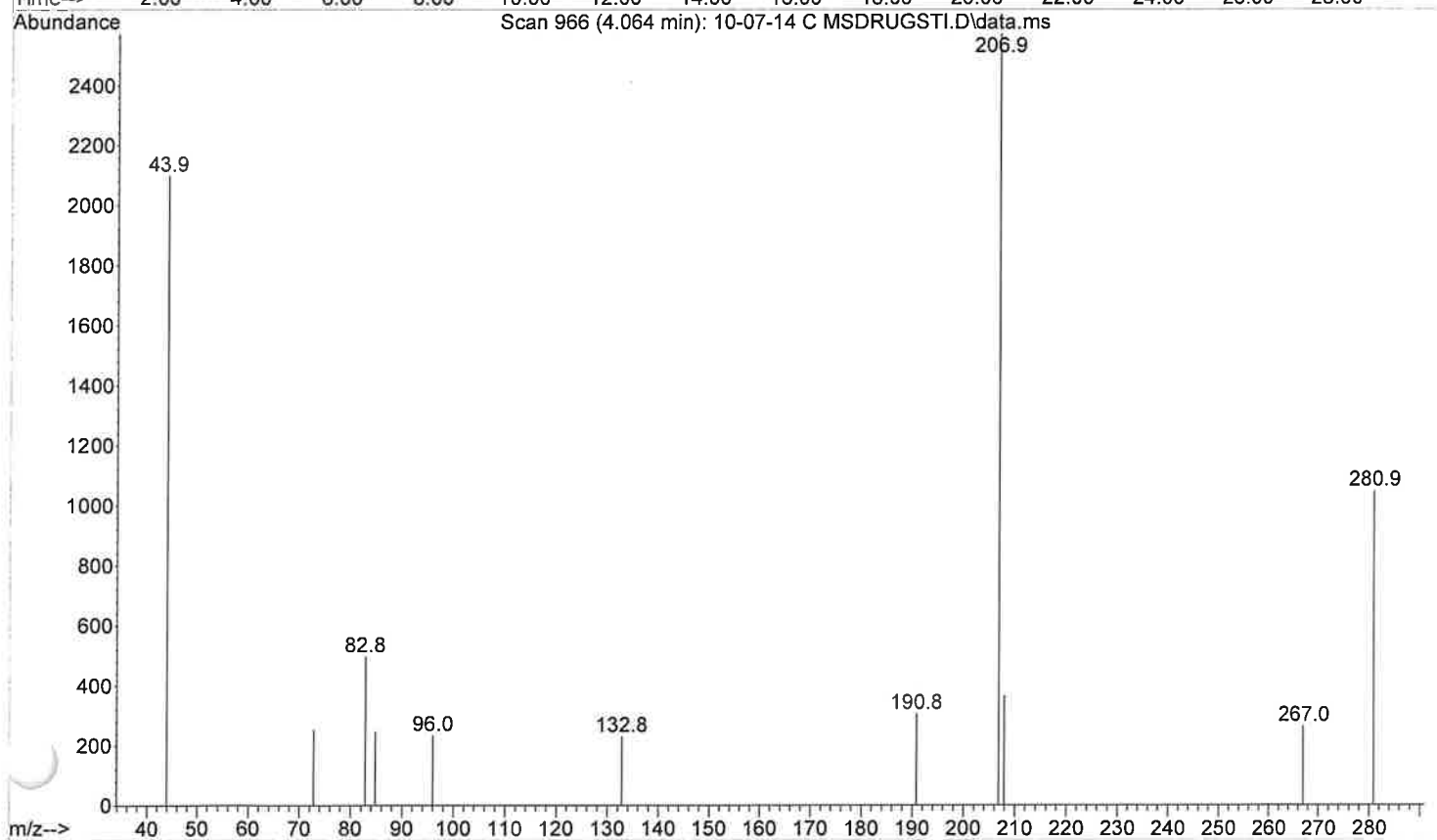
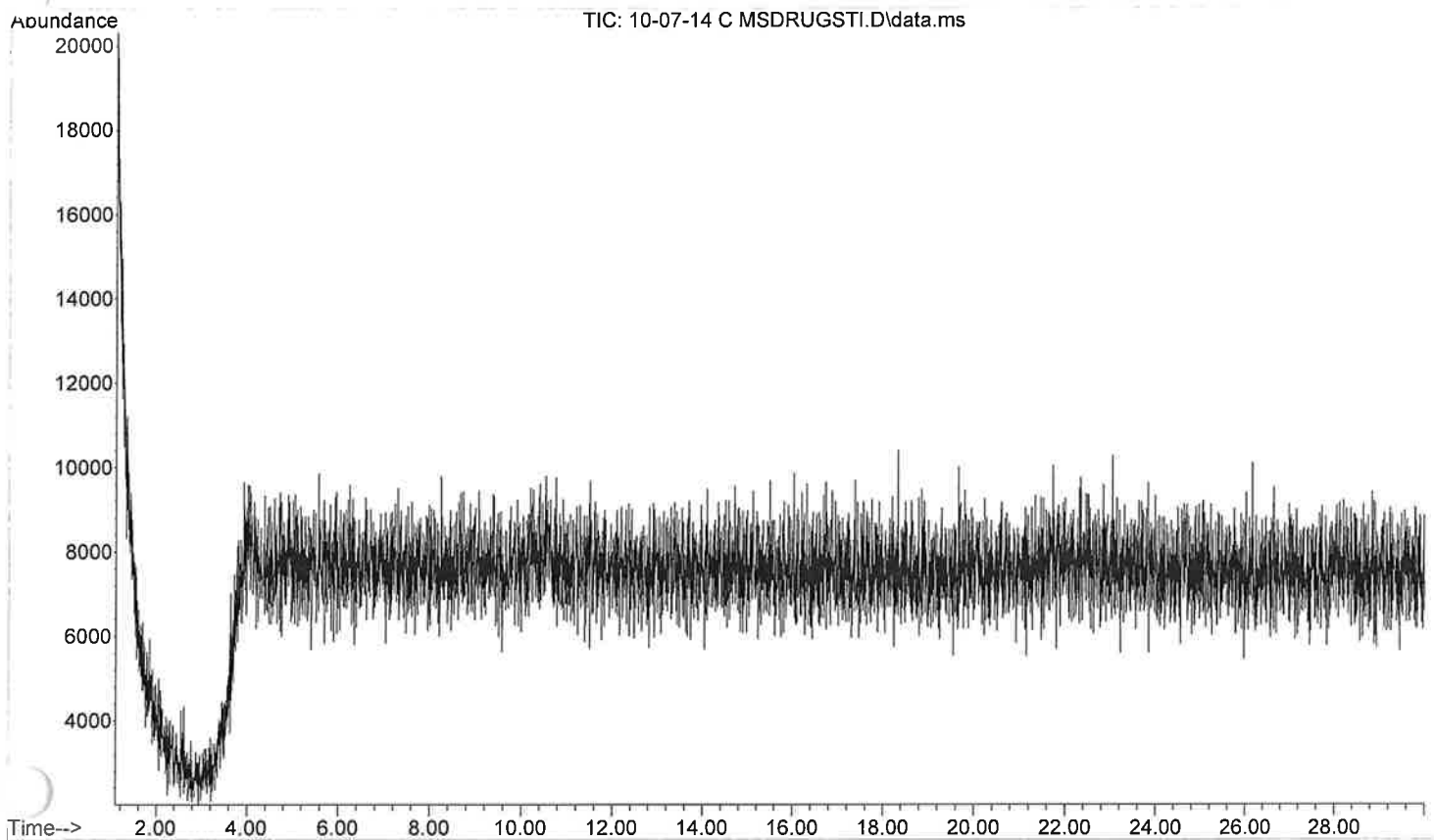
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Operator : Lela Jackson
Acquired : 7 Oct 2014 8:51 using AcqMethod MSDRUGSTI.M
Instrument : donna2
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 30 min
View Number: 11



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\JNT MIX MS DRUGSTI.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 9:34 using AcqMethod MS DRUGSTI.M
Instrument : donna2
Sample Name: JWH 081, Nandrolone undecanoate
Misc Info : Methanol 100-280c @70c/min for 30 min
View Number: 11

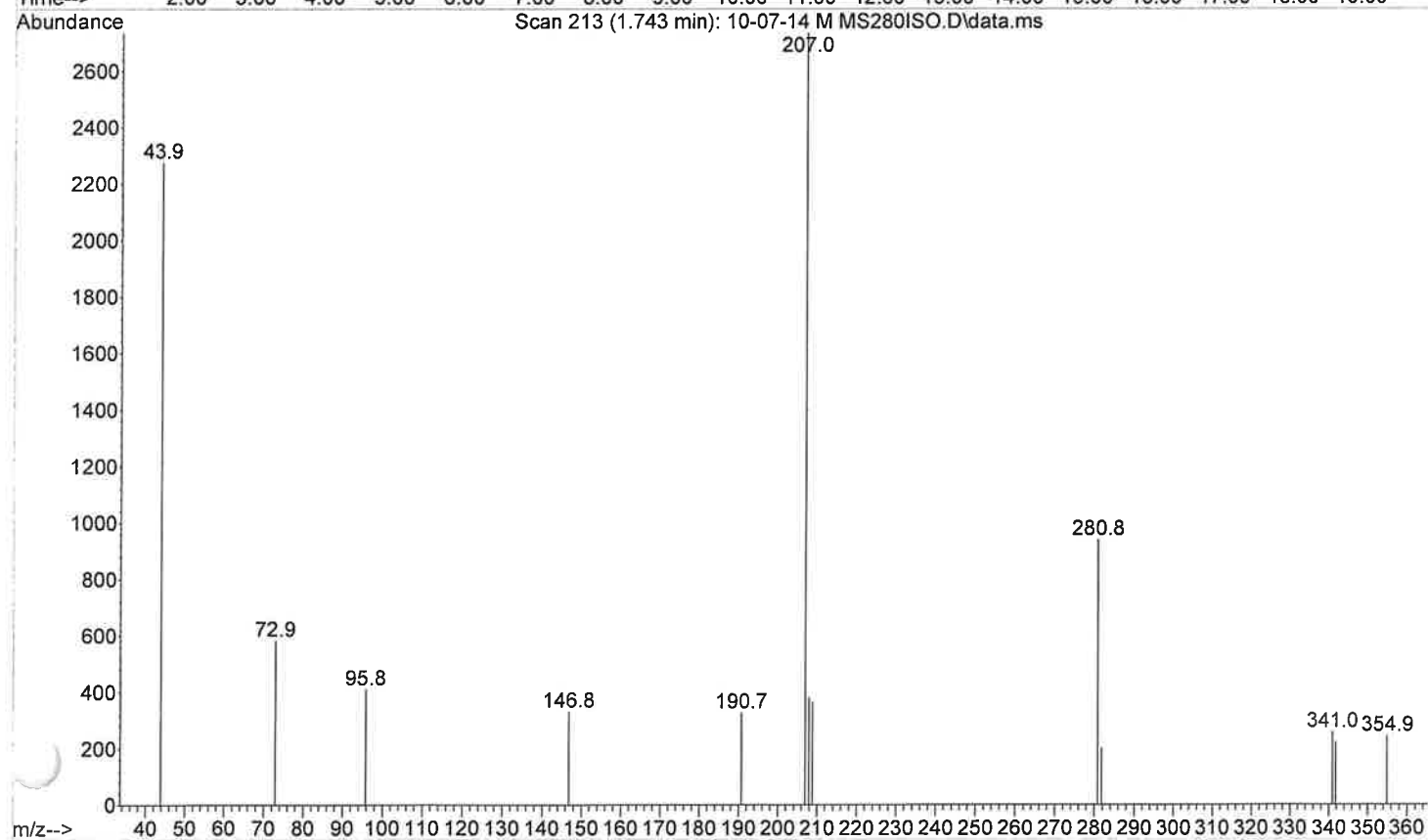
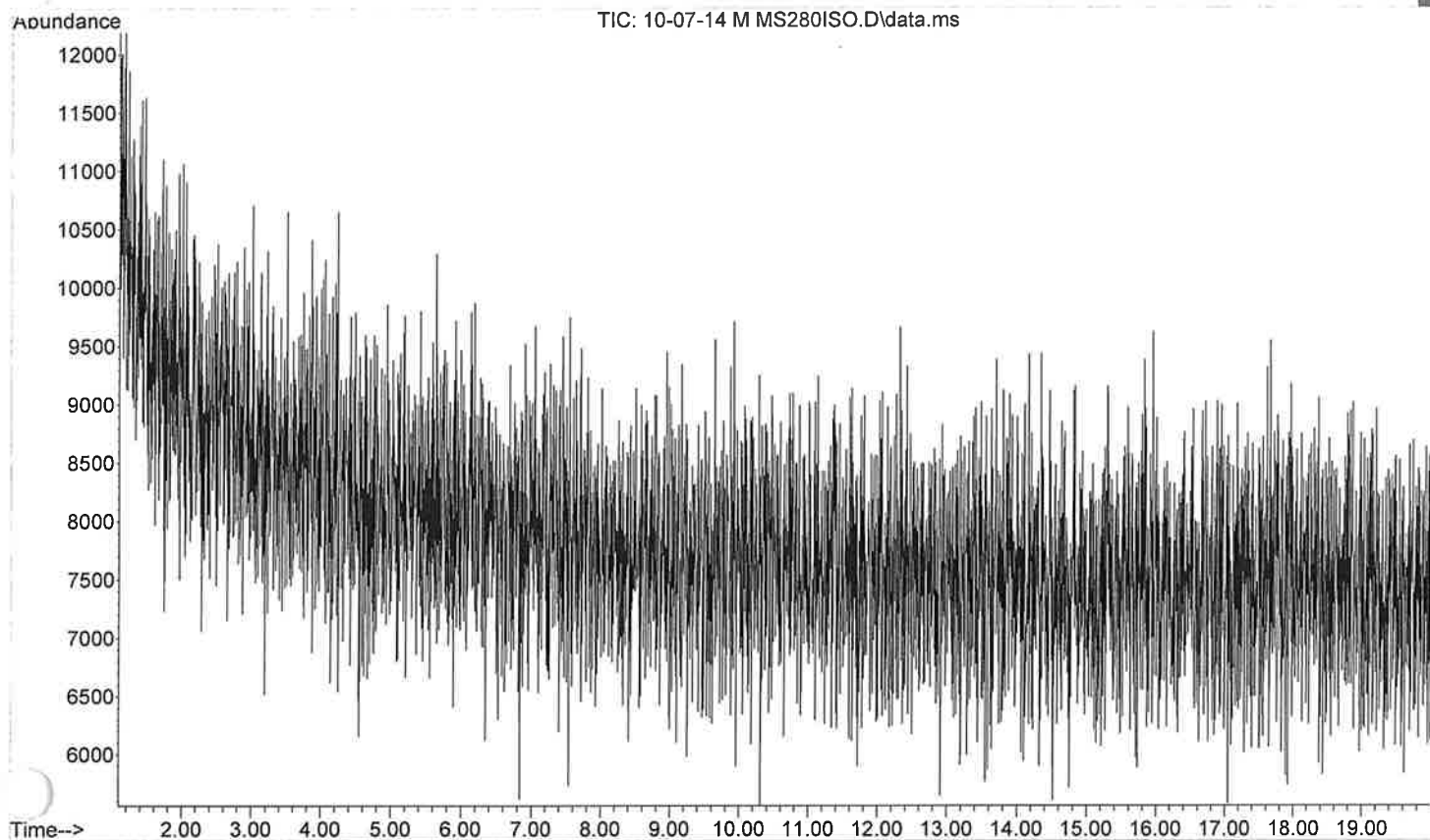


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Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 8:15 using AcqMethod MS DRUGSTI.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 100-280c @70c/min for 30 min

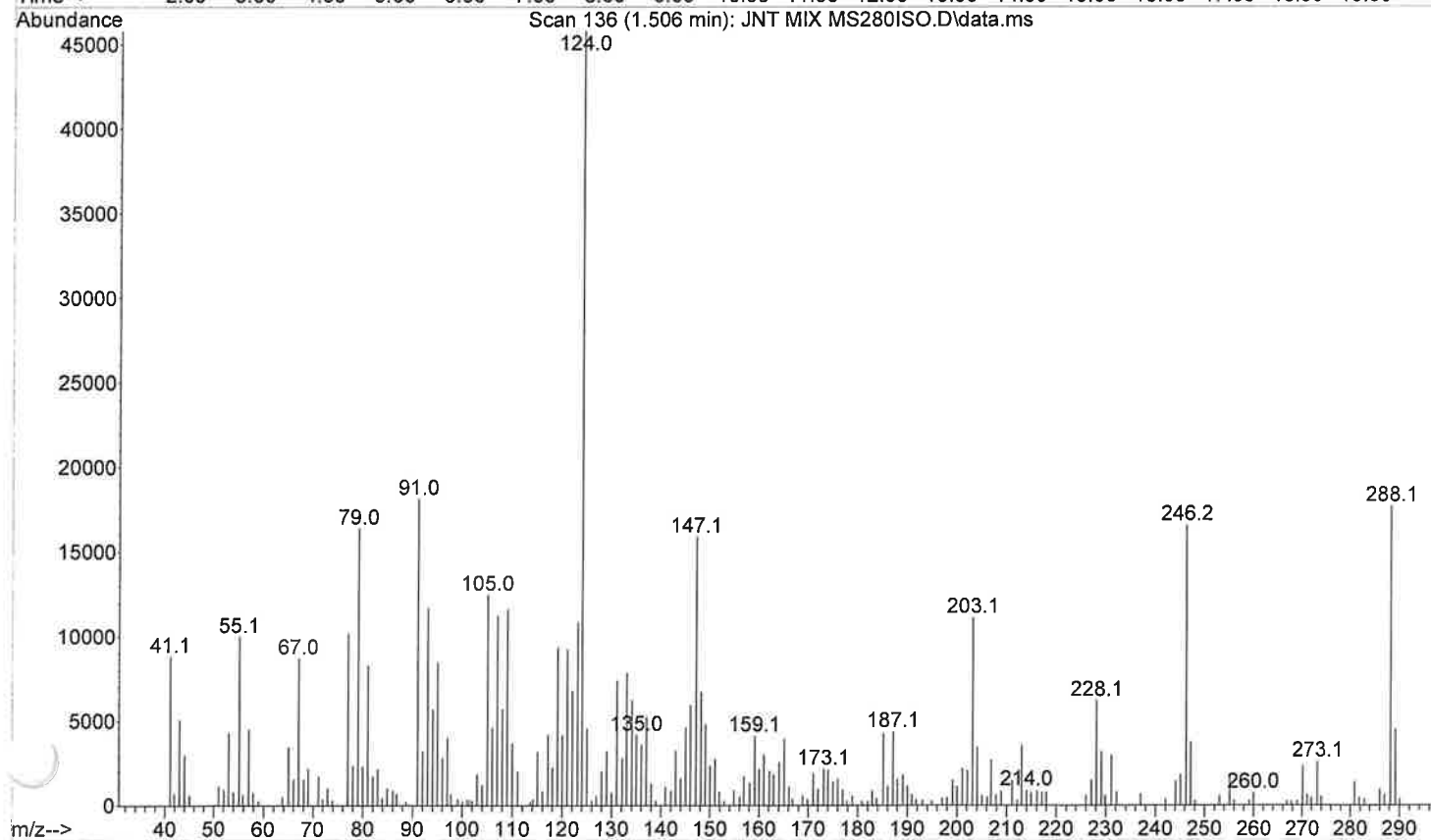
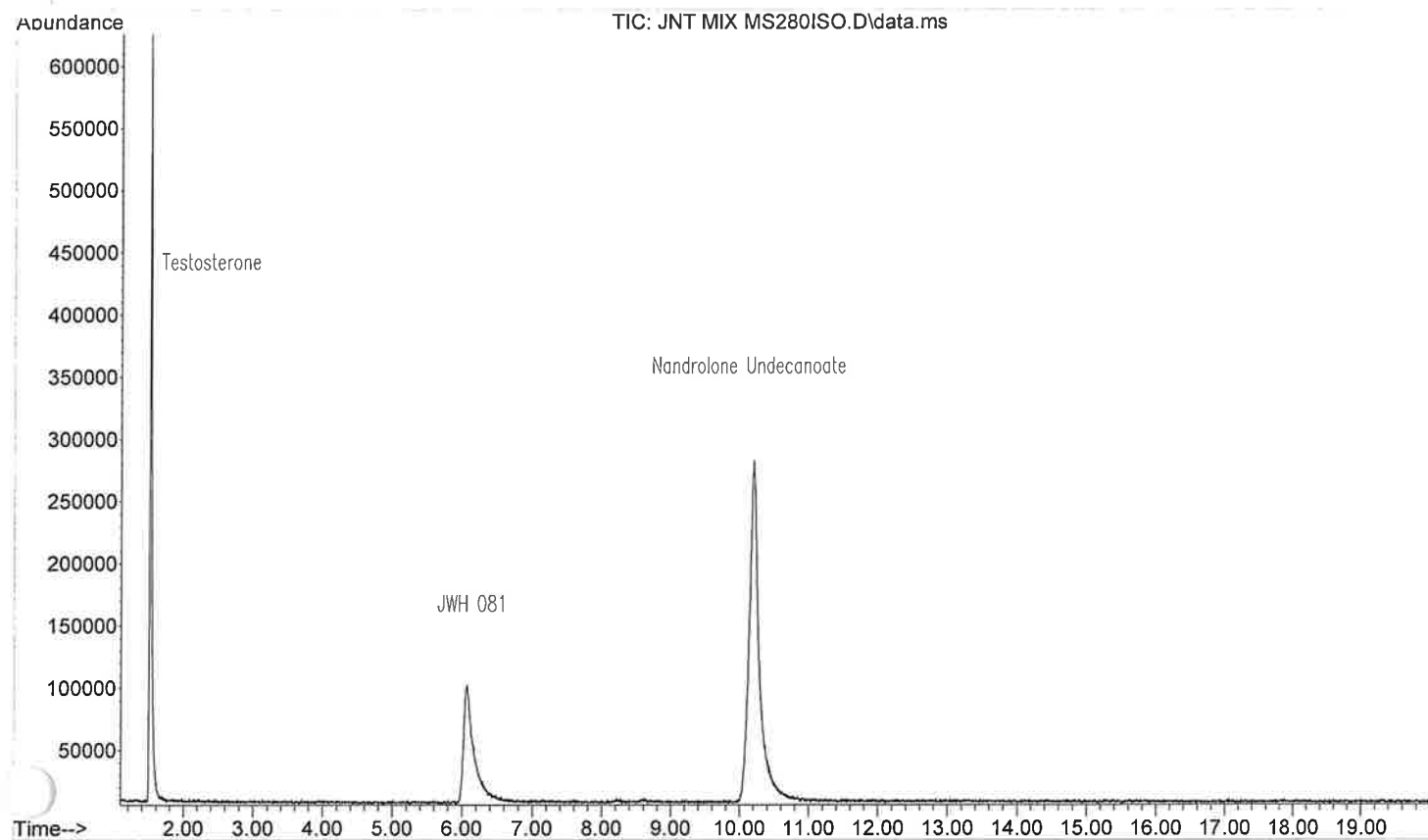


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Operator : Lela Jackson
Acquired : 7 Oct 2014 10:26 using AcqMethod MS280ISO.M
Instrument : donna2
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 20 min
View Number: 11

MS280ISO.D

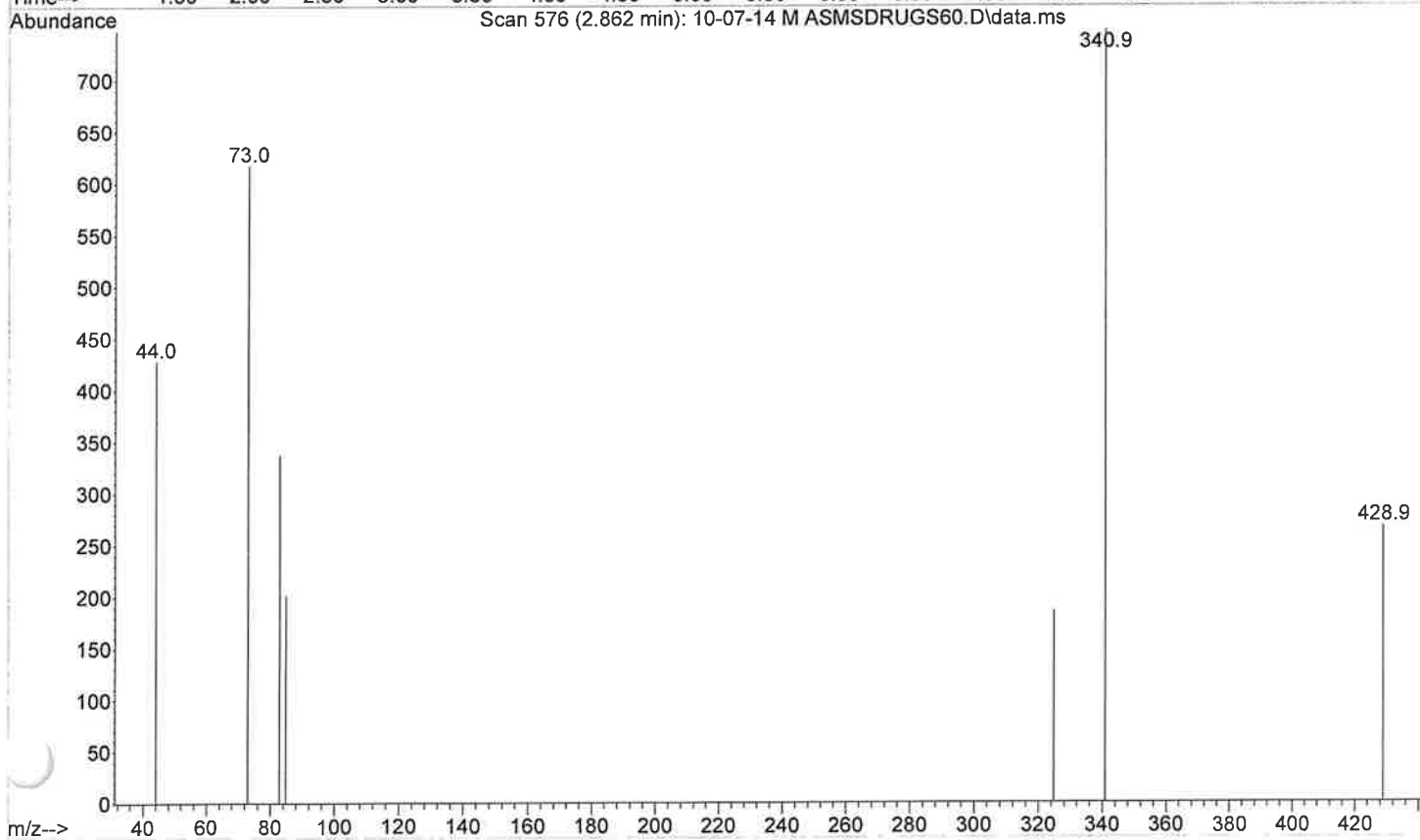
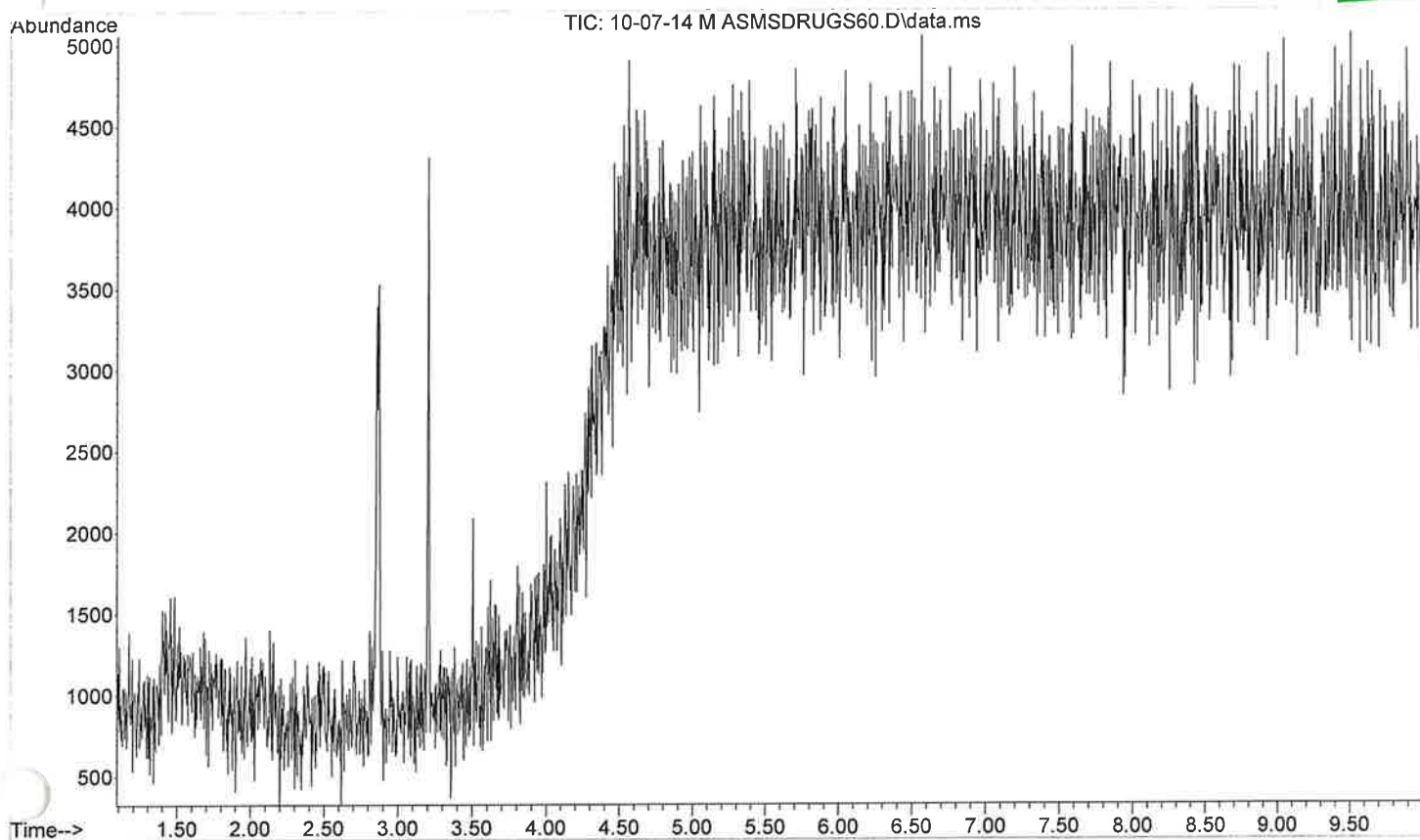


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Operator : Lela Jackson
Acquired : 7 Oct 2014 10:47 using AcqMethod MS280ISO.M
Instrument : donna2
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 20 min
View Number: 11

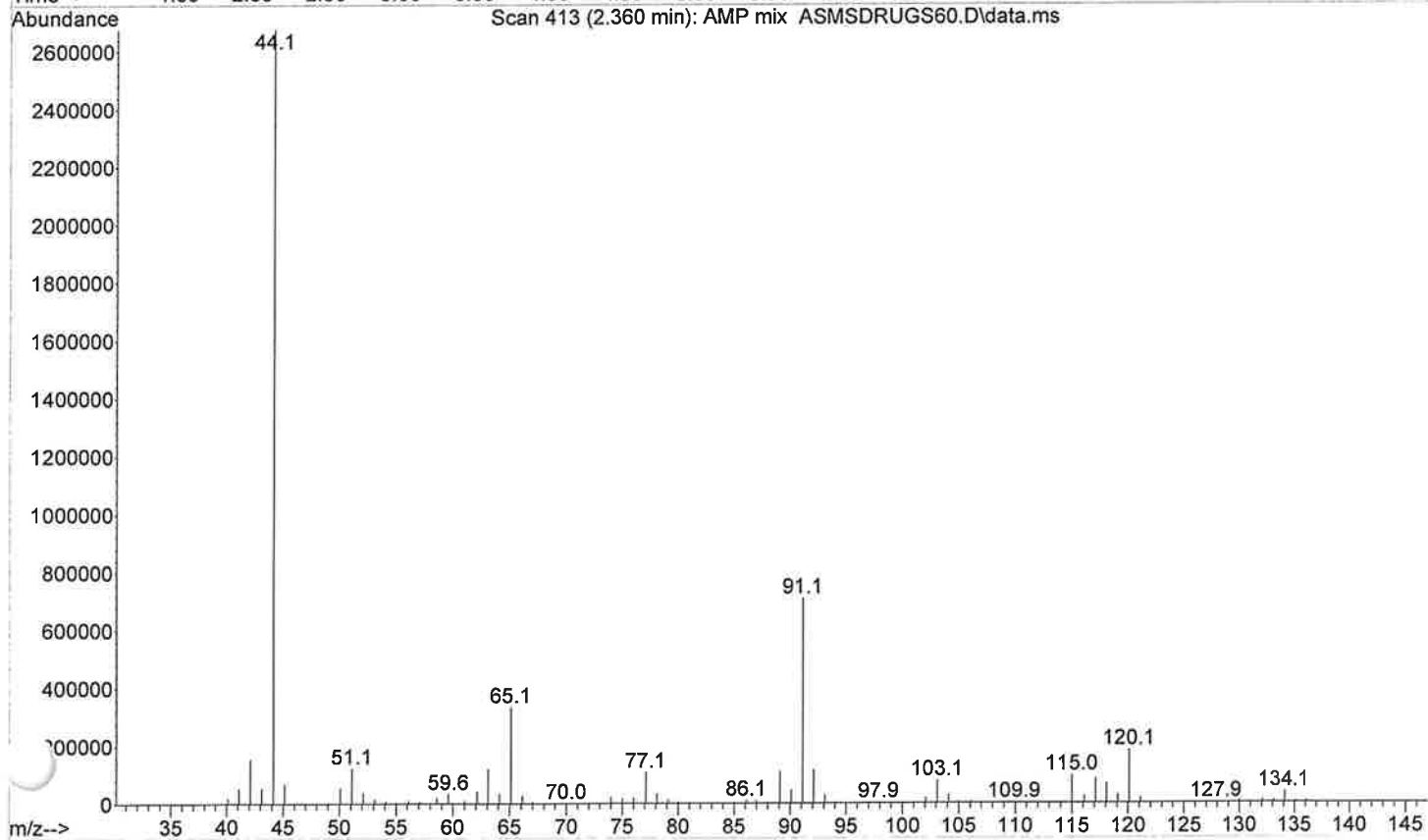
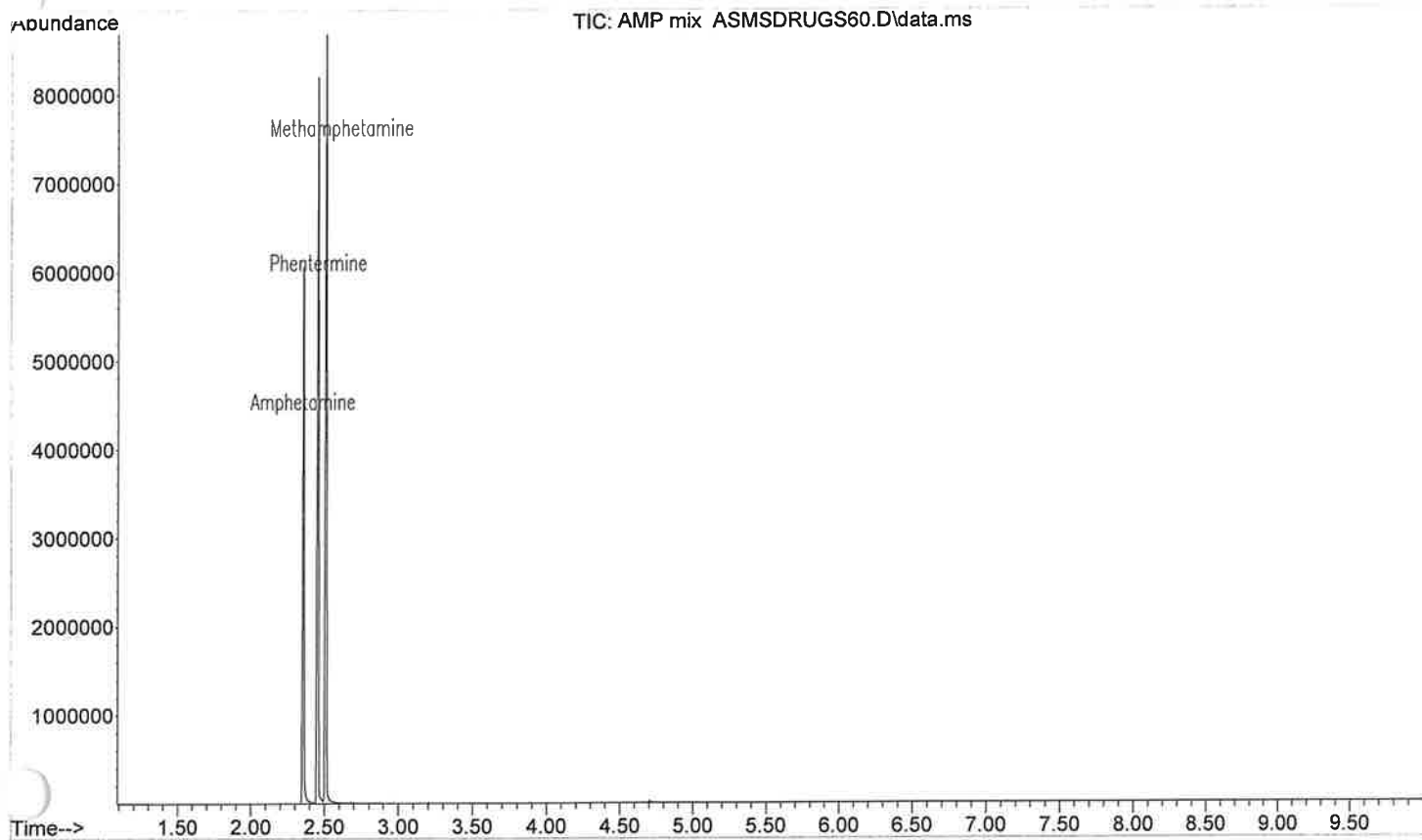


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... UGS60.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 16:59 using AcqMethod ASMSDRUGS60.M
Sample Name: Methanol Blank
Misc Info : Methanol 60-280c@ 70c/min for 6 min

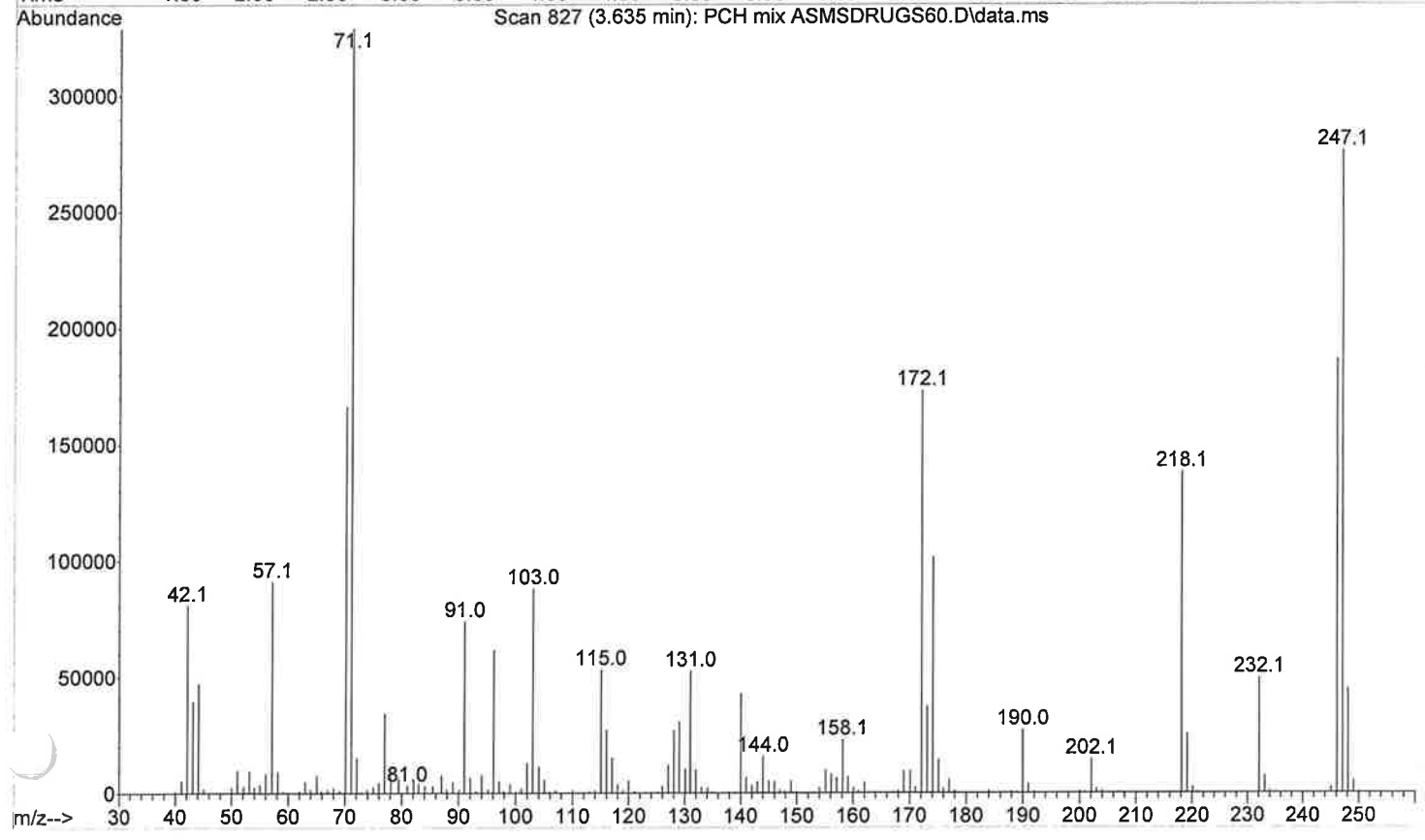
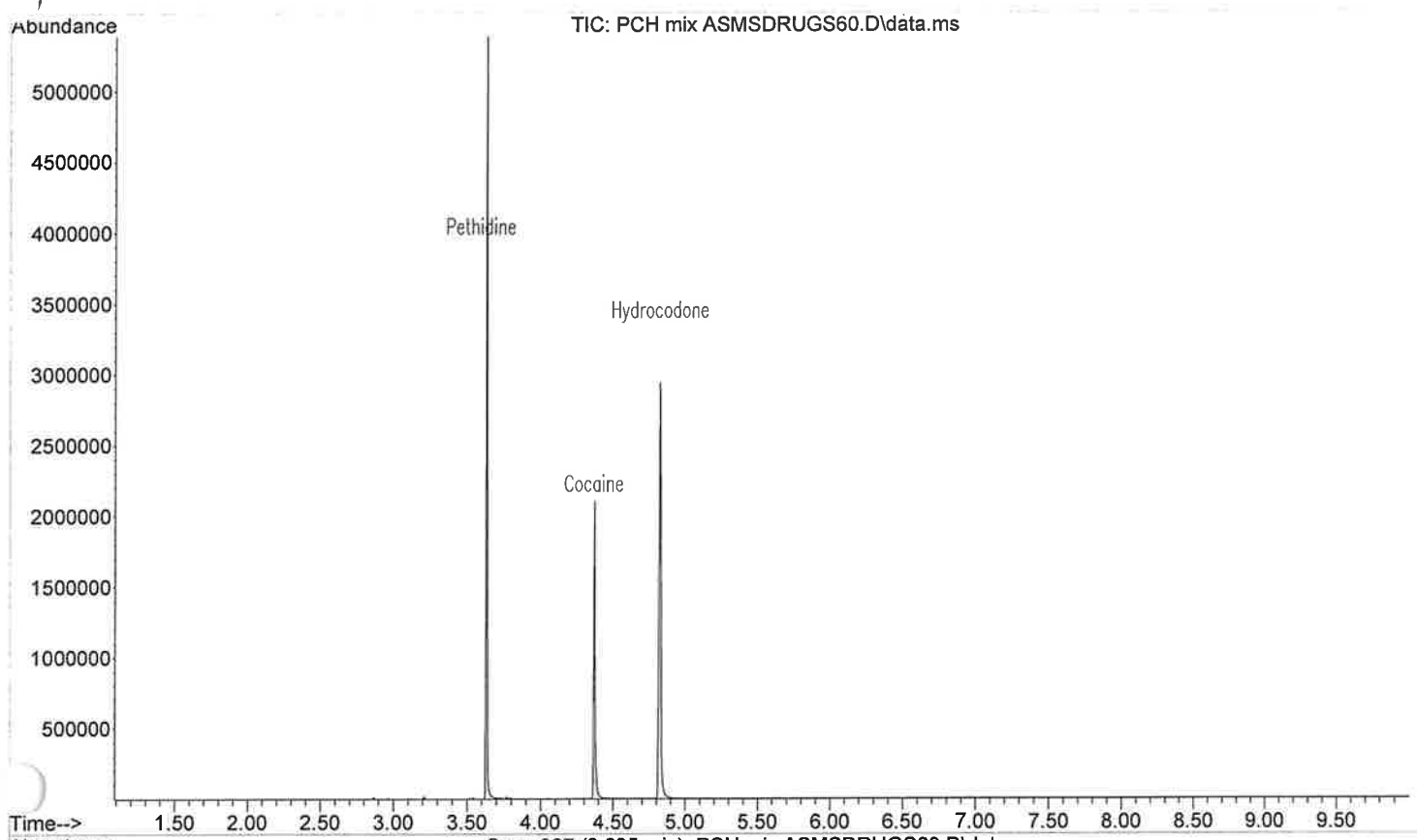
ASMSDRUGS 60



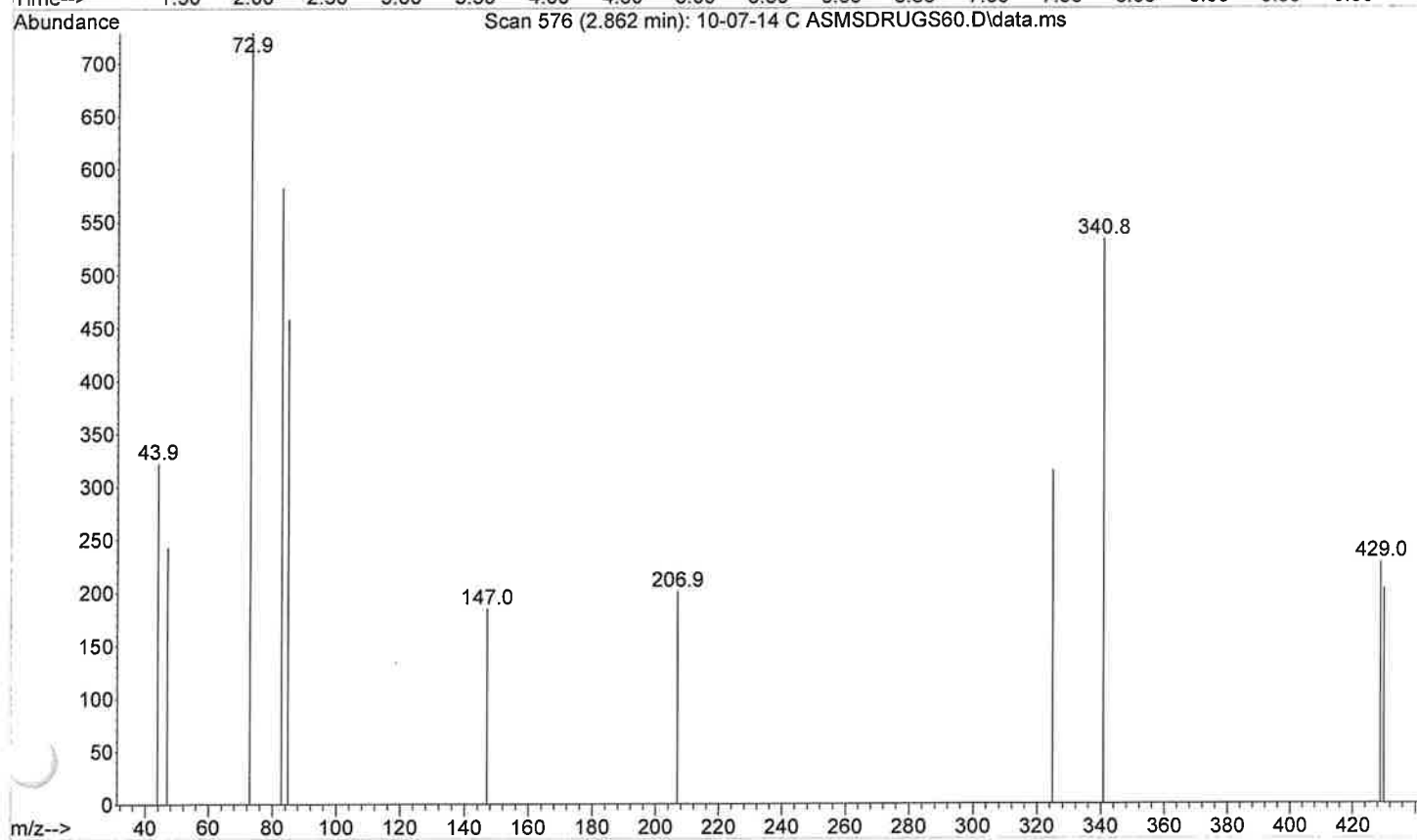
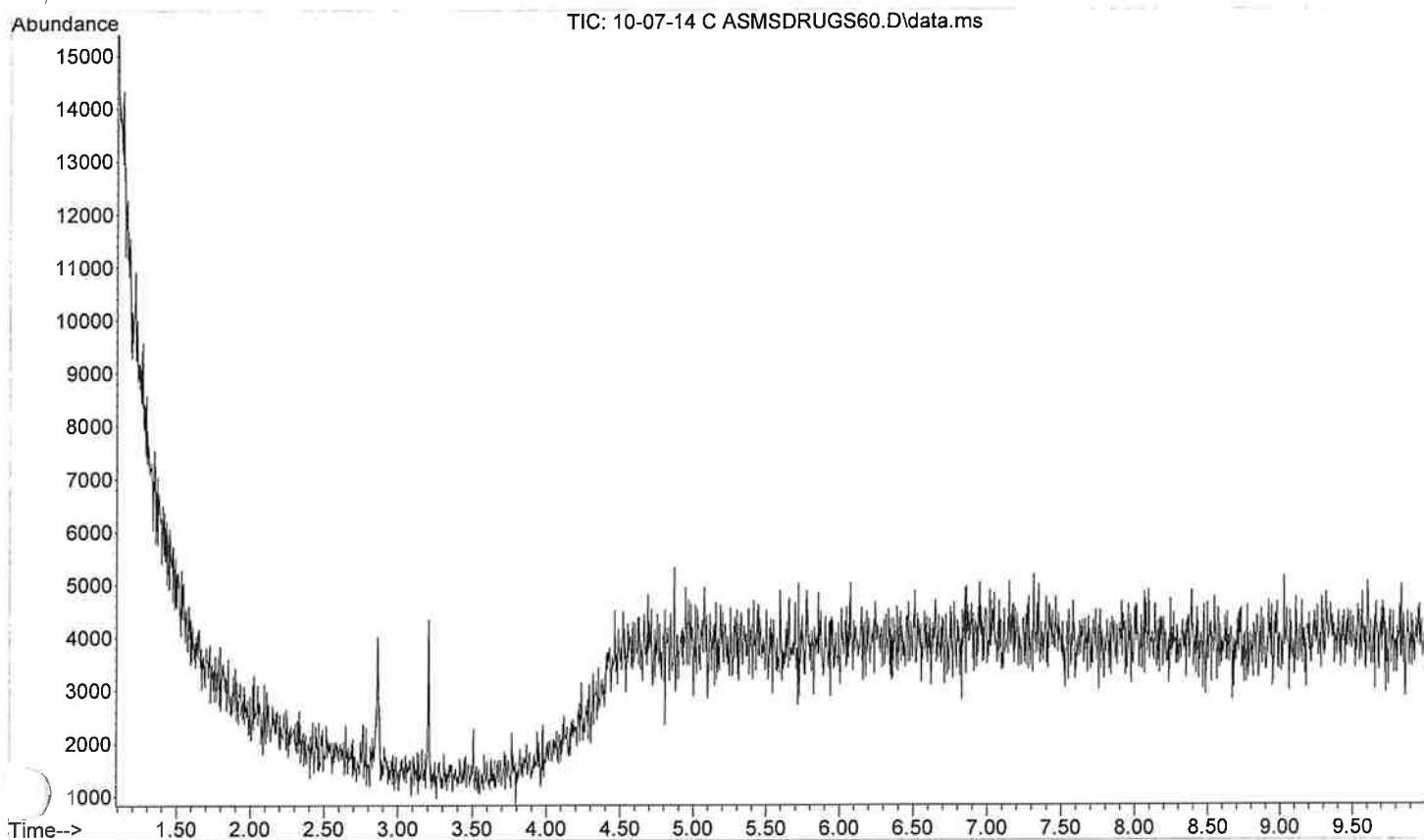
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix ASMSDRUG
... S60.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 16:43 using AcqMethod ASMSDRUGS60.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 60-280c@ 70c/min for 6 min



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH mix ASMSDRUGS
... 60.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 17:15 using AcqMethod ASMSDRUGS60.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Mi Info : Methanol 60-280c@ 70c/min for 6 min

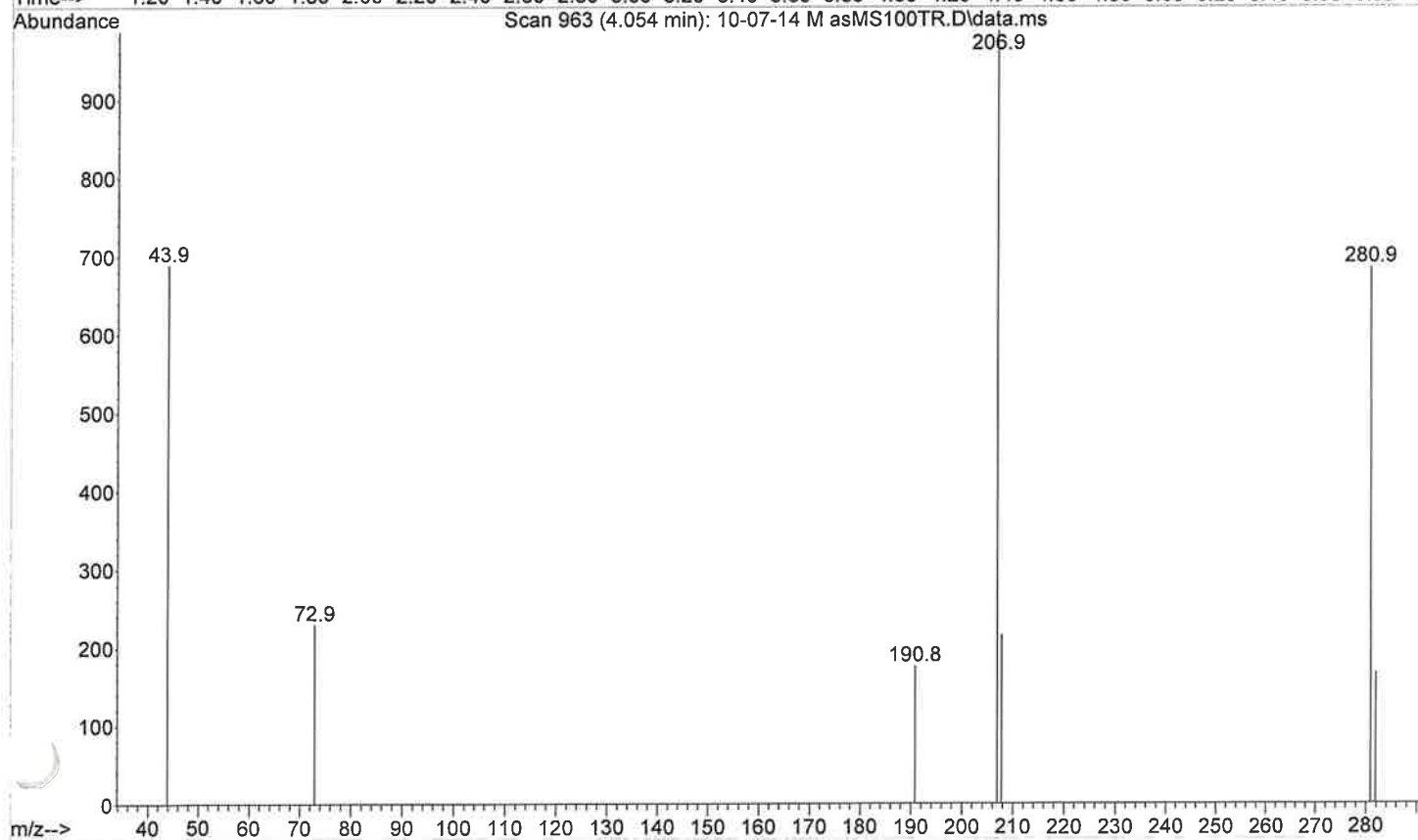
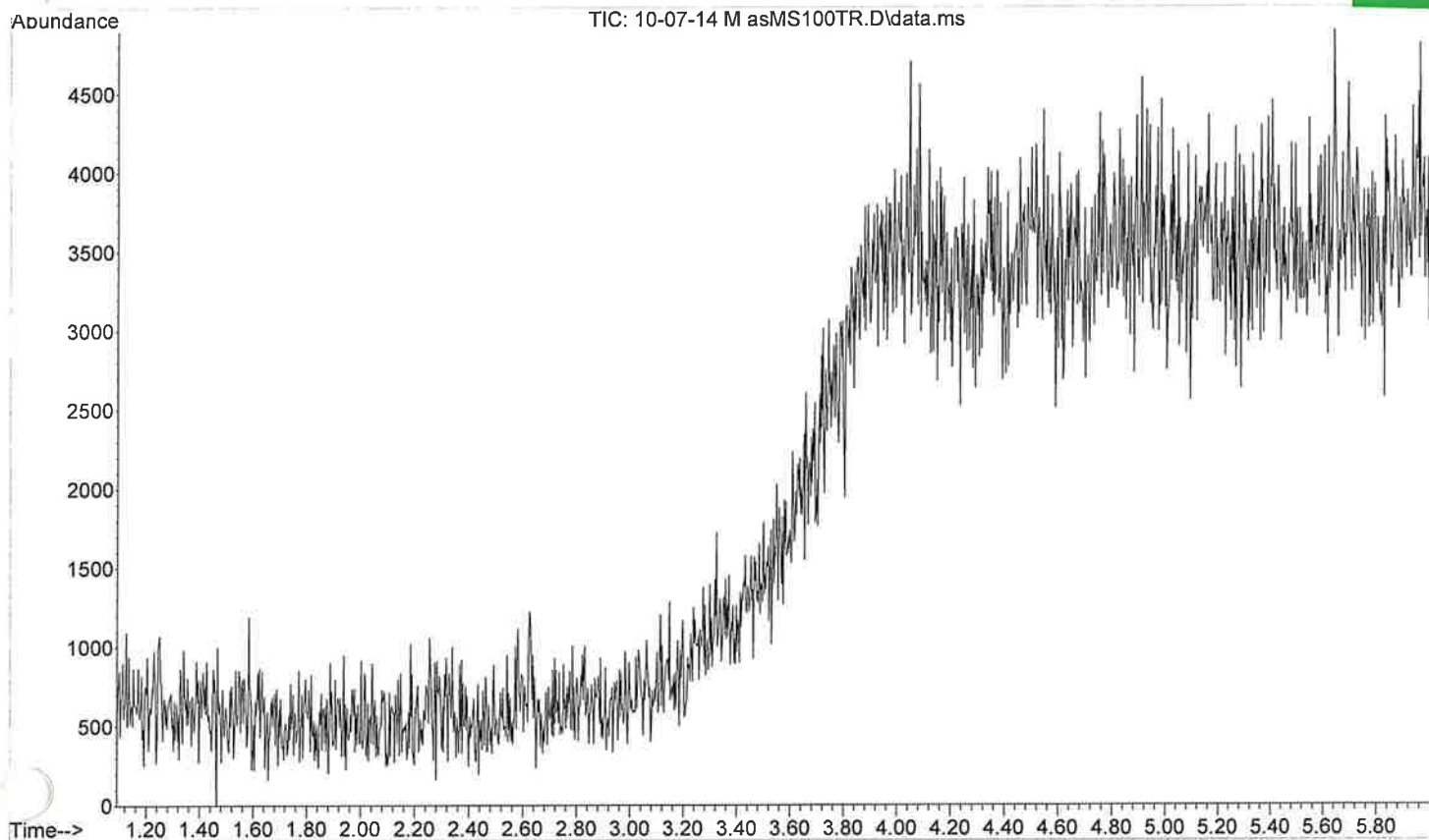


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-07-14 C ASMSDR
... UGS60.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 16:27 using AcqMethod ASMSDRUGS60.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 60-280c@ 70c/min for 6 min

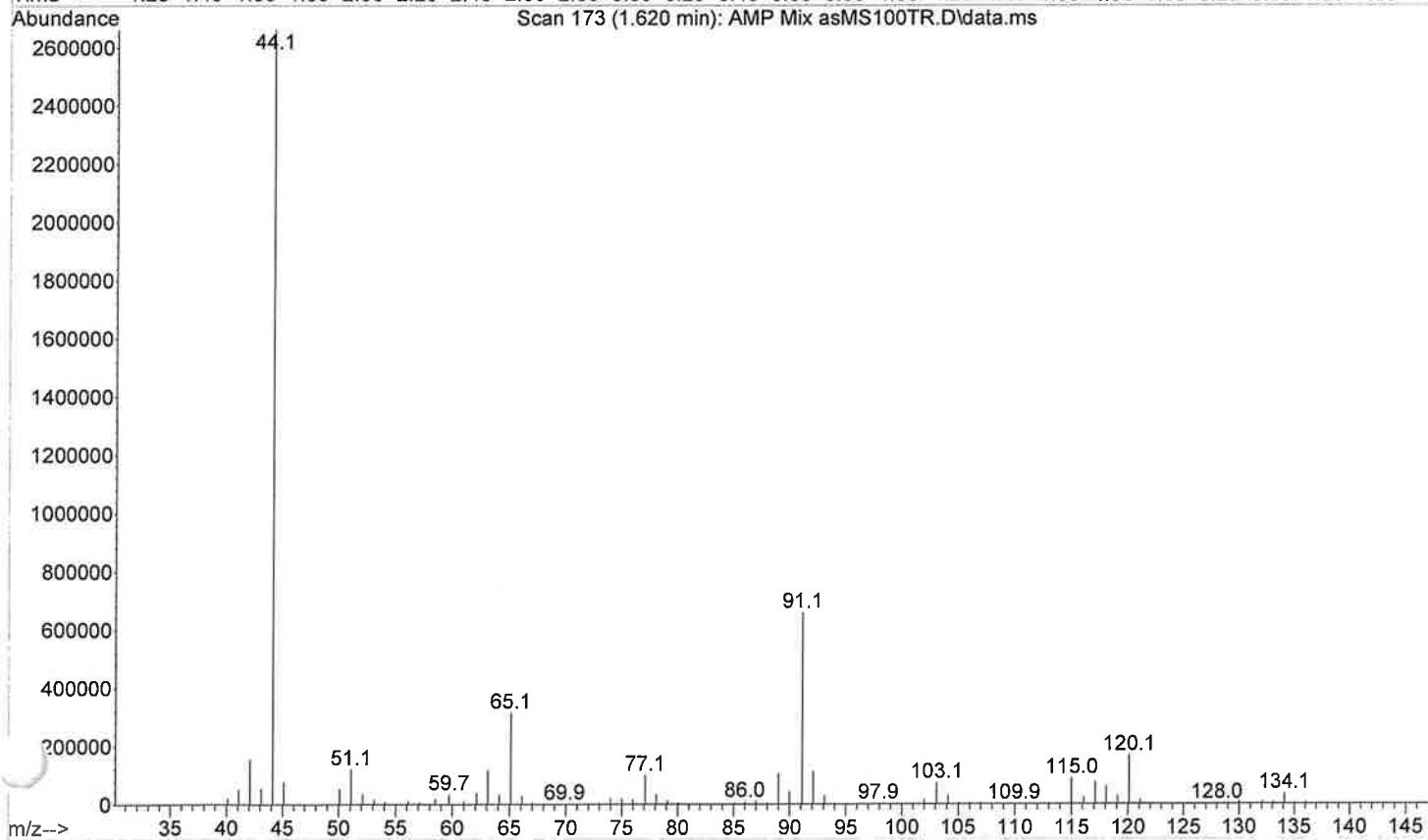
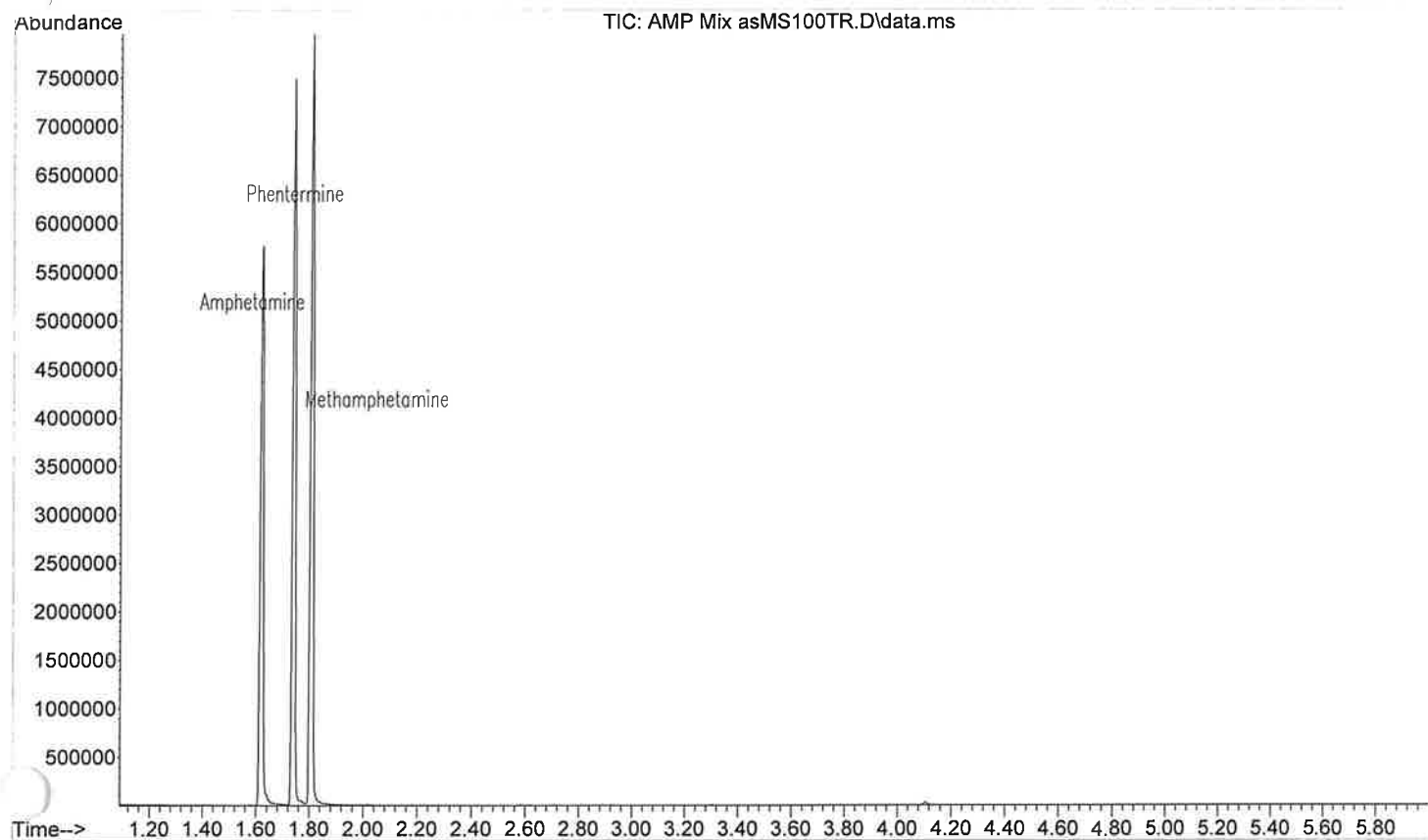


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-07-14 M asMS10
... 0TR.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 15:32 using AcqMethod ASMS100TR.M
Sample Name: Methanol Blank
Misc Info : Methanol 100-280c@ 70c/min for 6 min

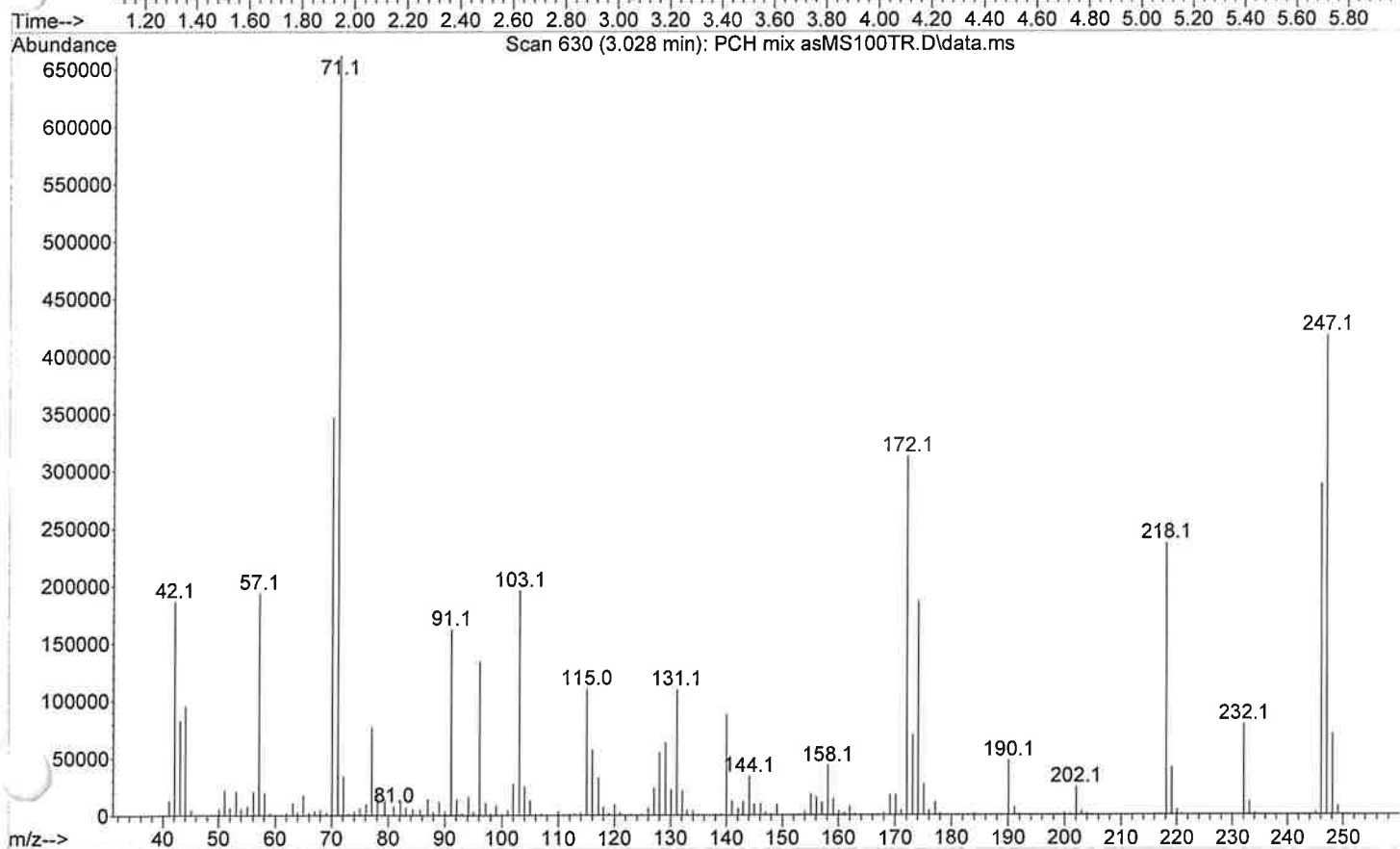
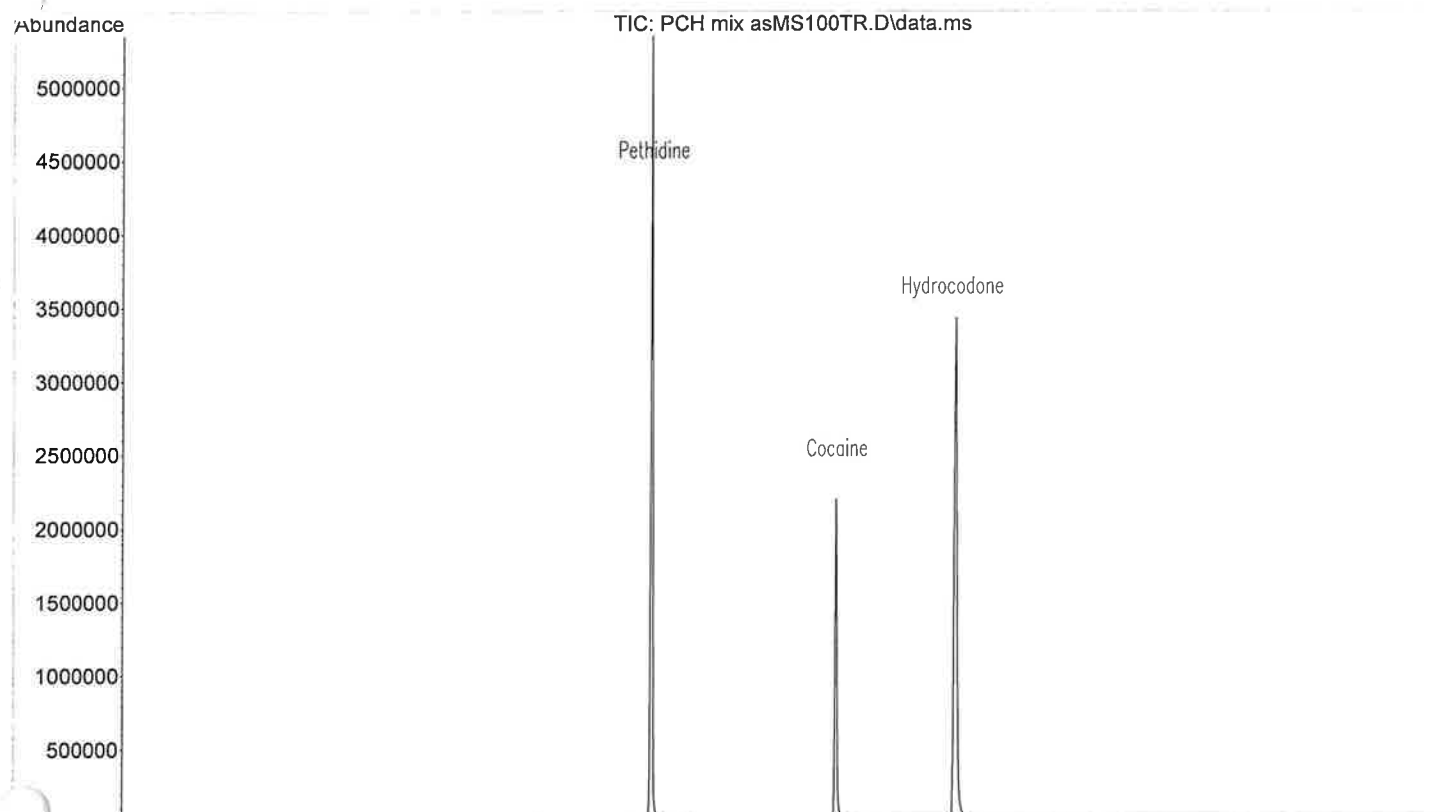
ASMS100TR



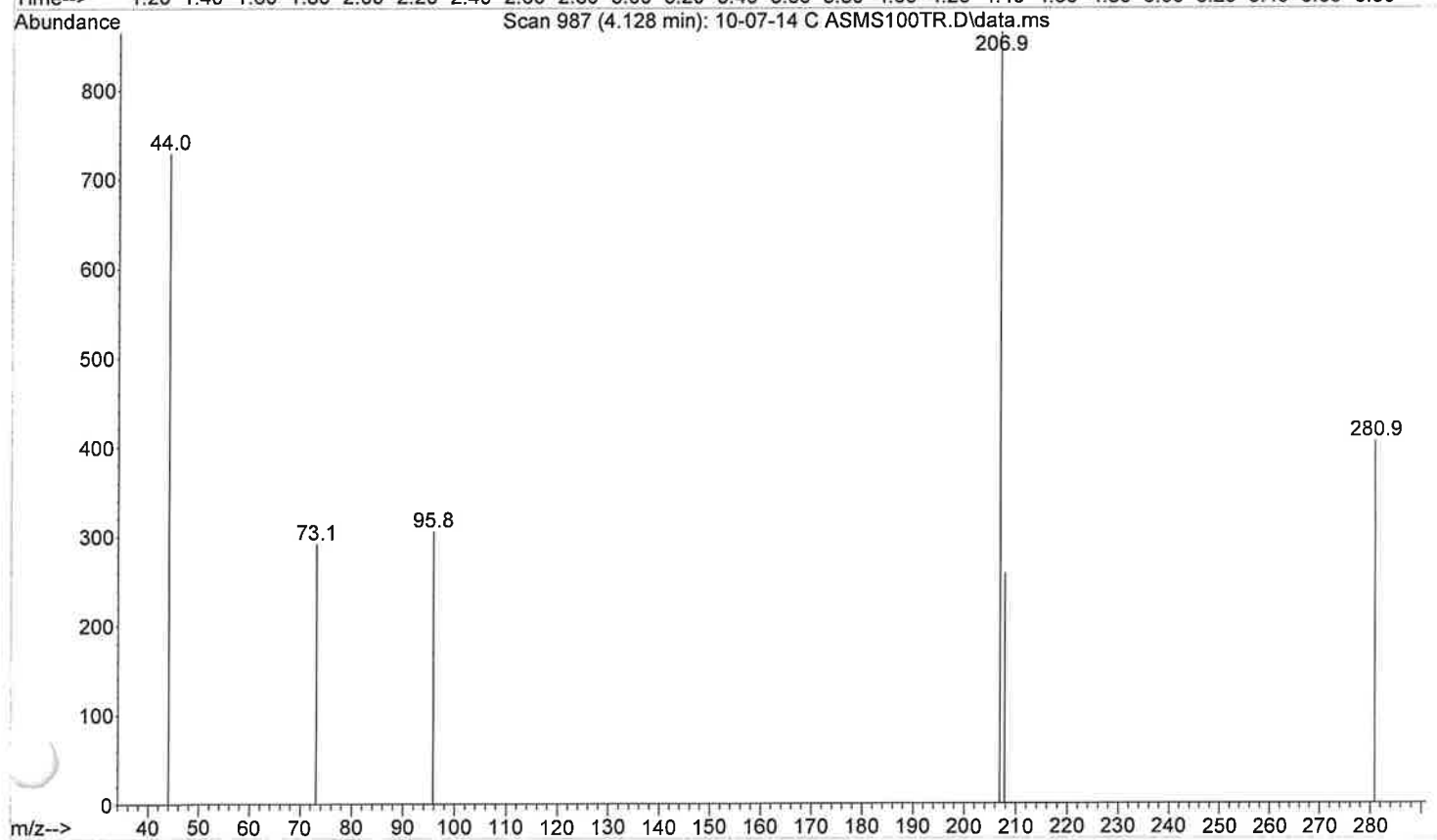
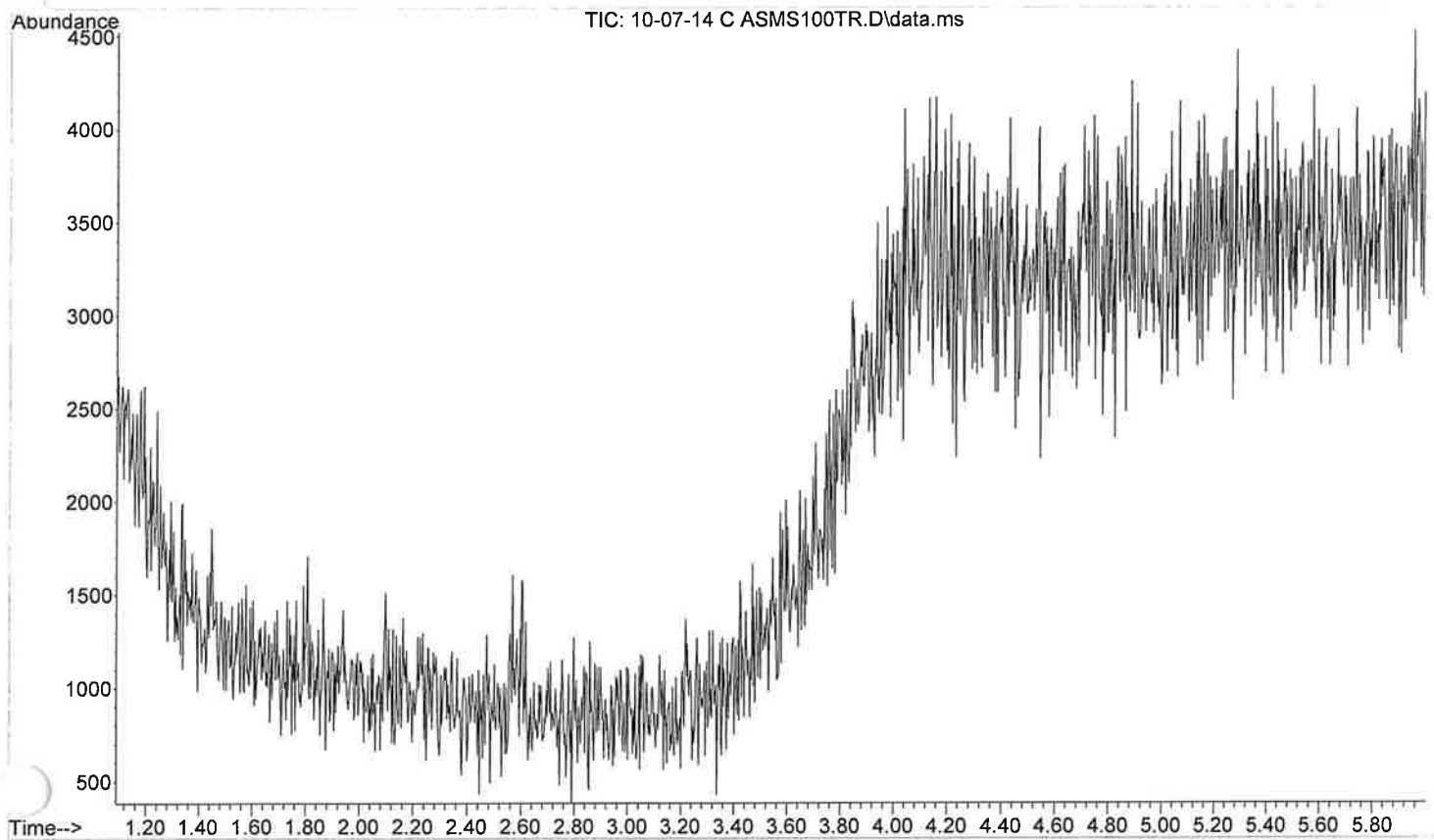
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP Mix asMS100TR
... .D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 15:23 using AcqMethod ASMS100TR.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c@ 70c/min for 6 min



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH mix asMS100TR
...D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 15:42 using AcqMethod ASMS100TR.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c@ 70c/min for 6 min

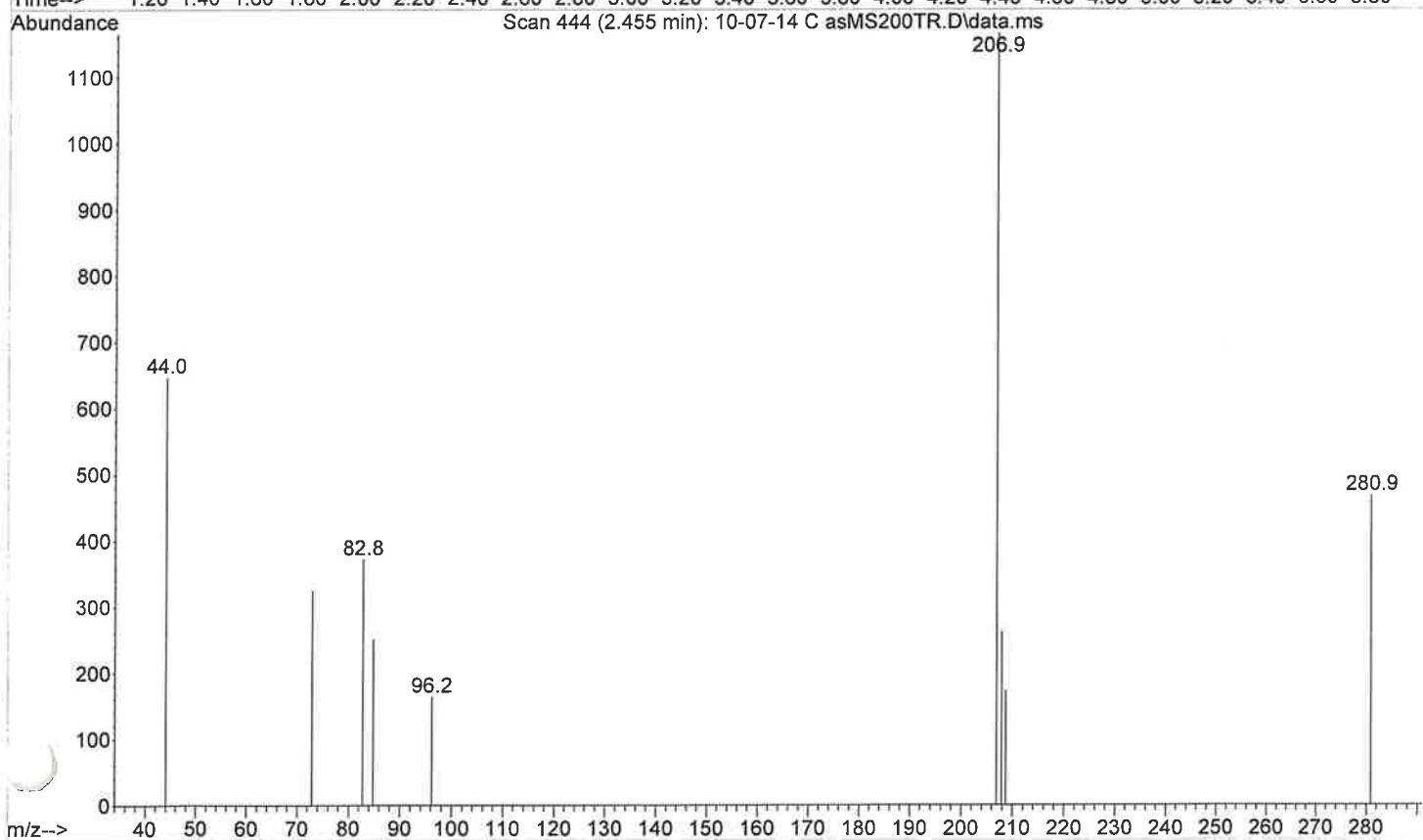
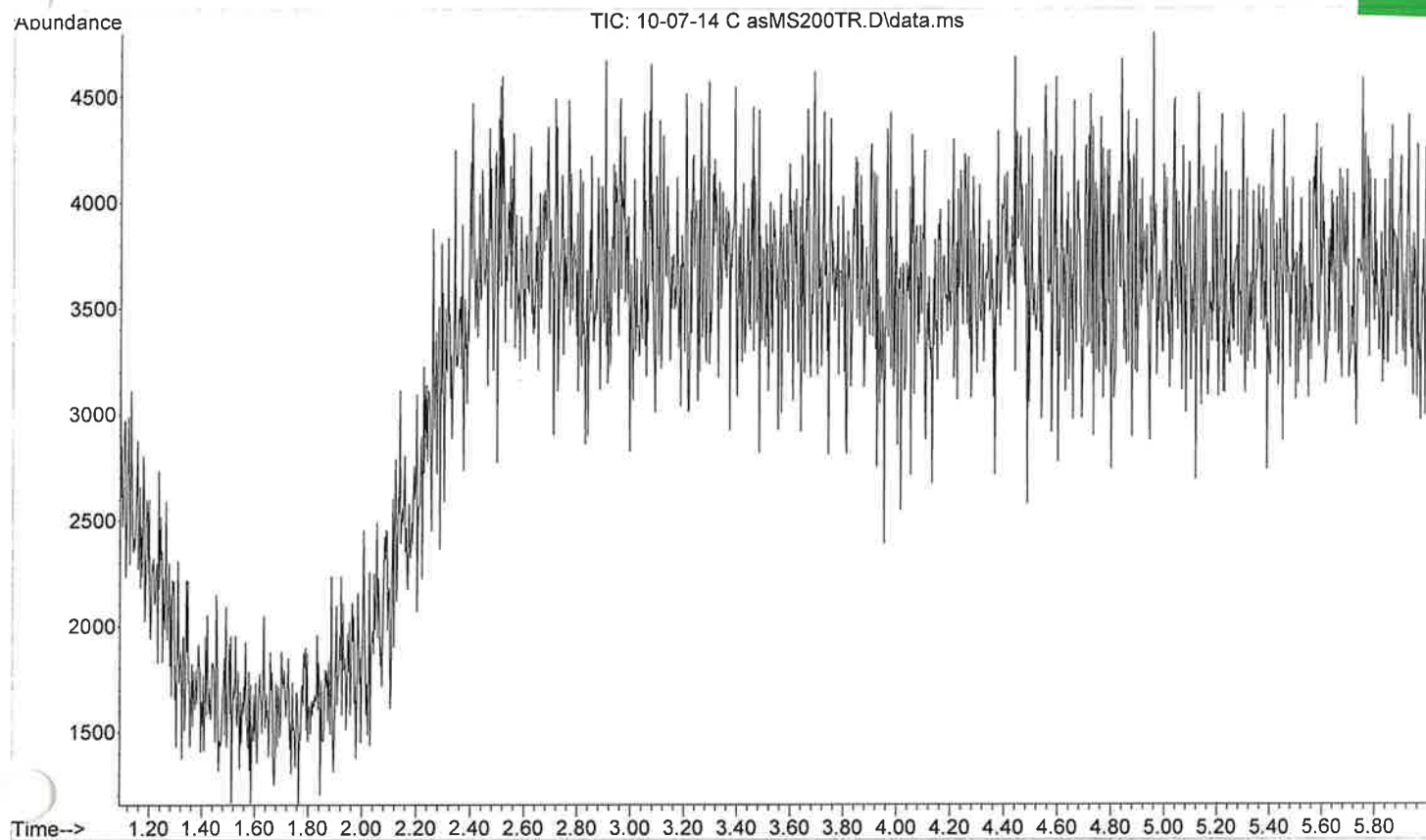


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-07-14 C ASMS10
... 0TR.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 15:13 using AcqMethod ASMS100TR.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 100-280c@ 70c/min for 6 min

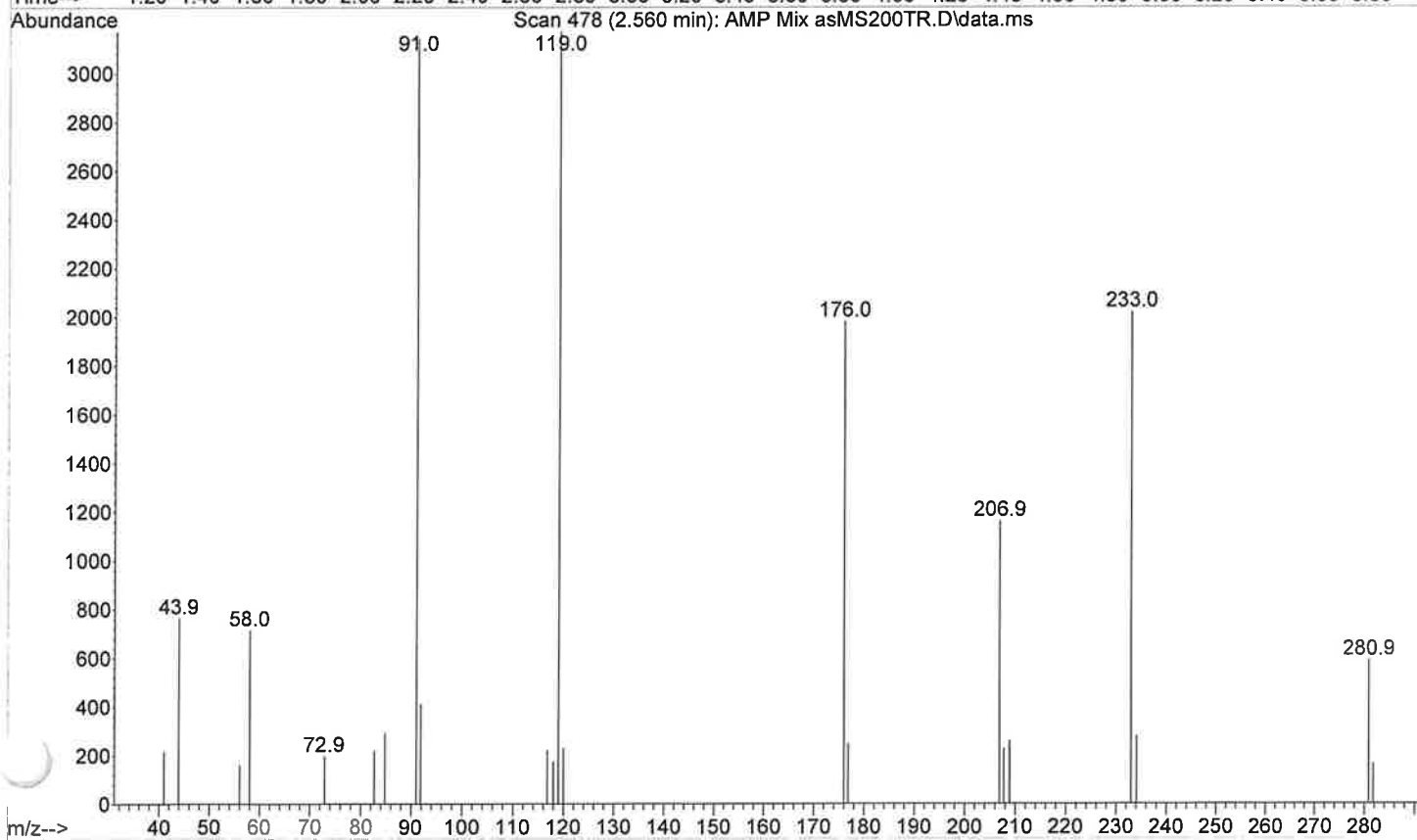
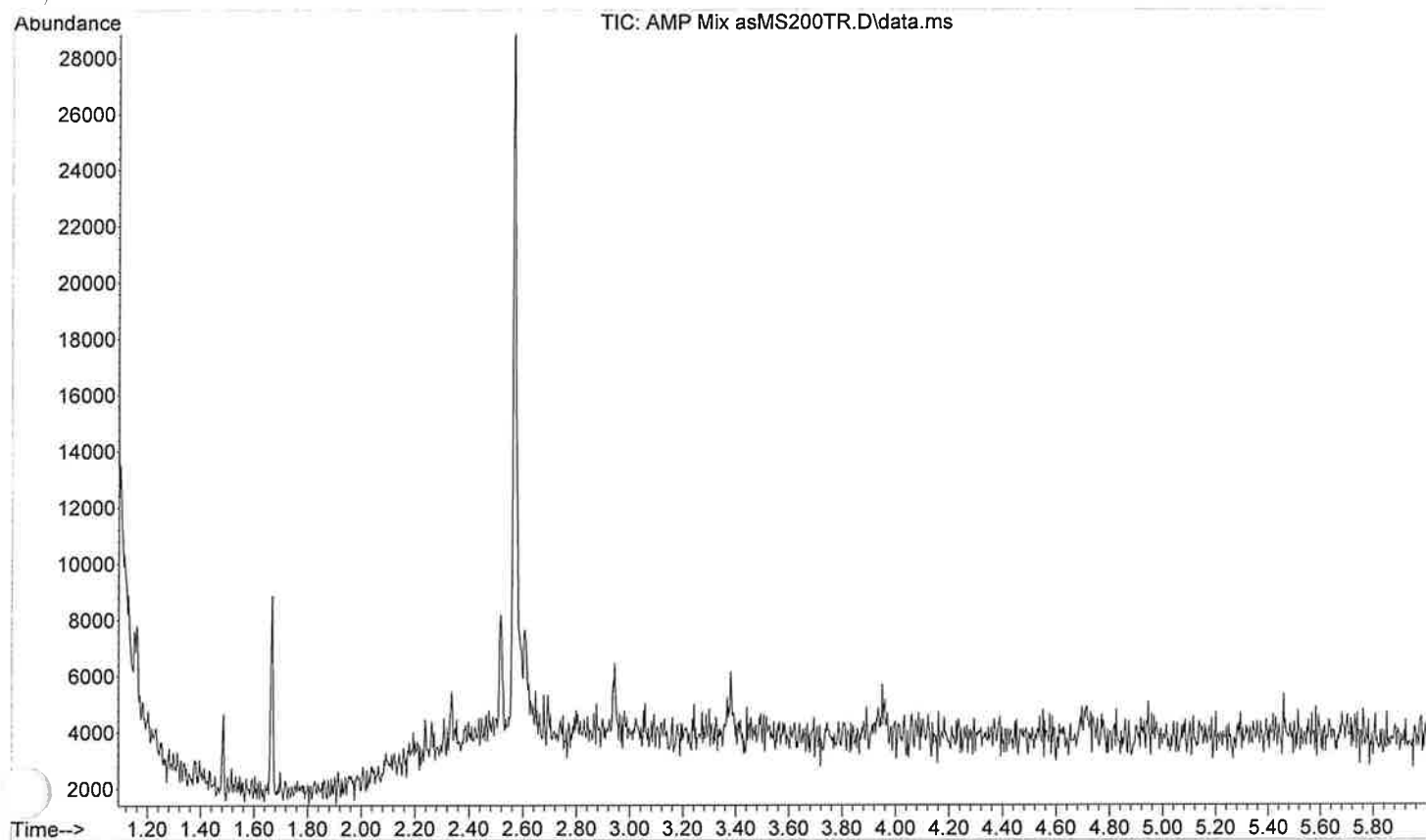


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-07-14 C asMS20
0TR.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 15:50 using AcqMethod ASMS200TR.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 200-280c@ 70c/min for 6 min

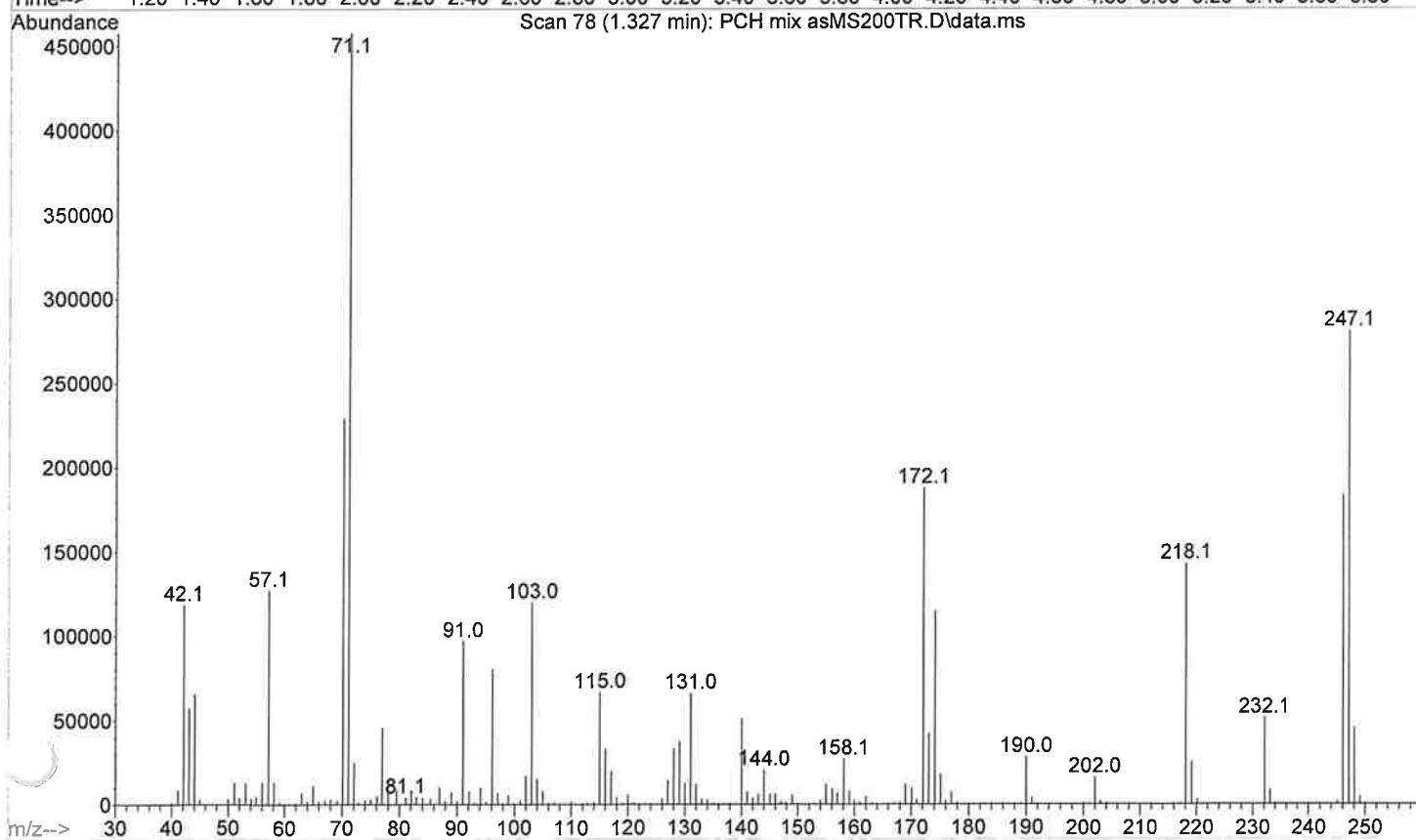
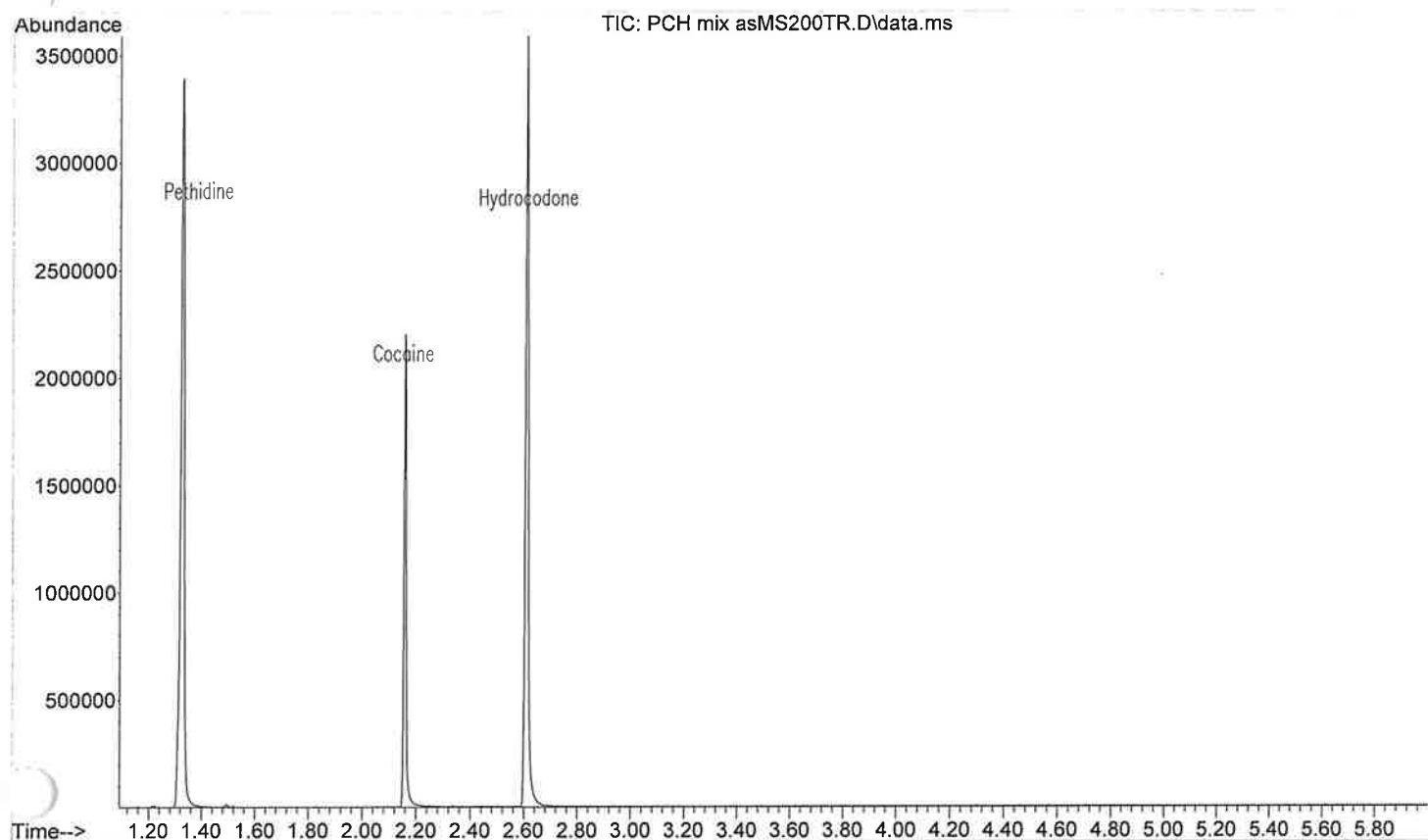
ASMS200TR



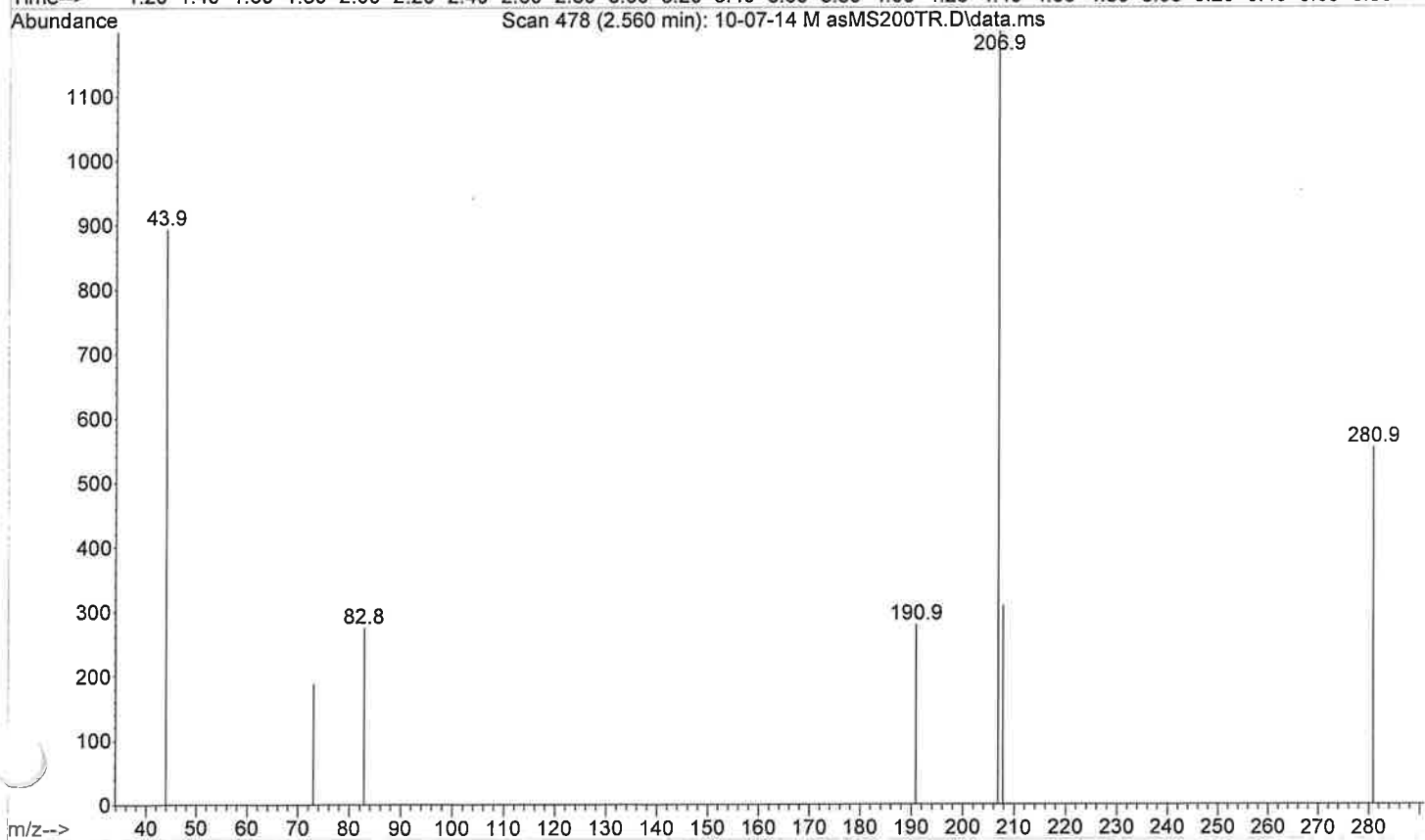
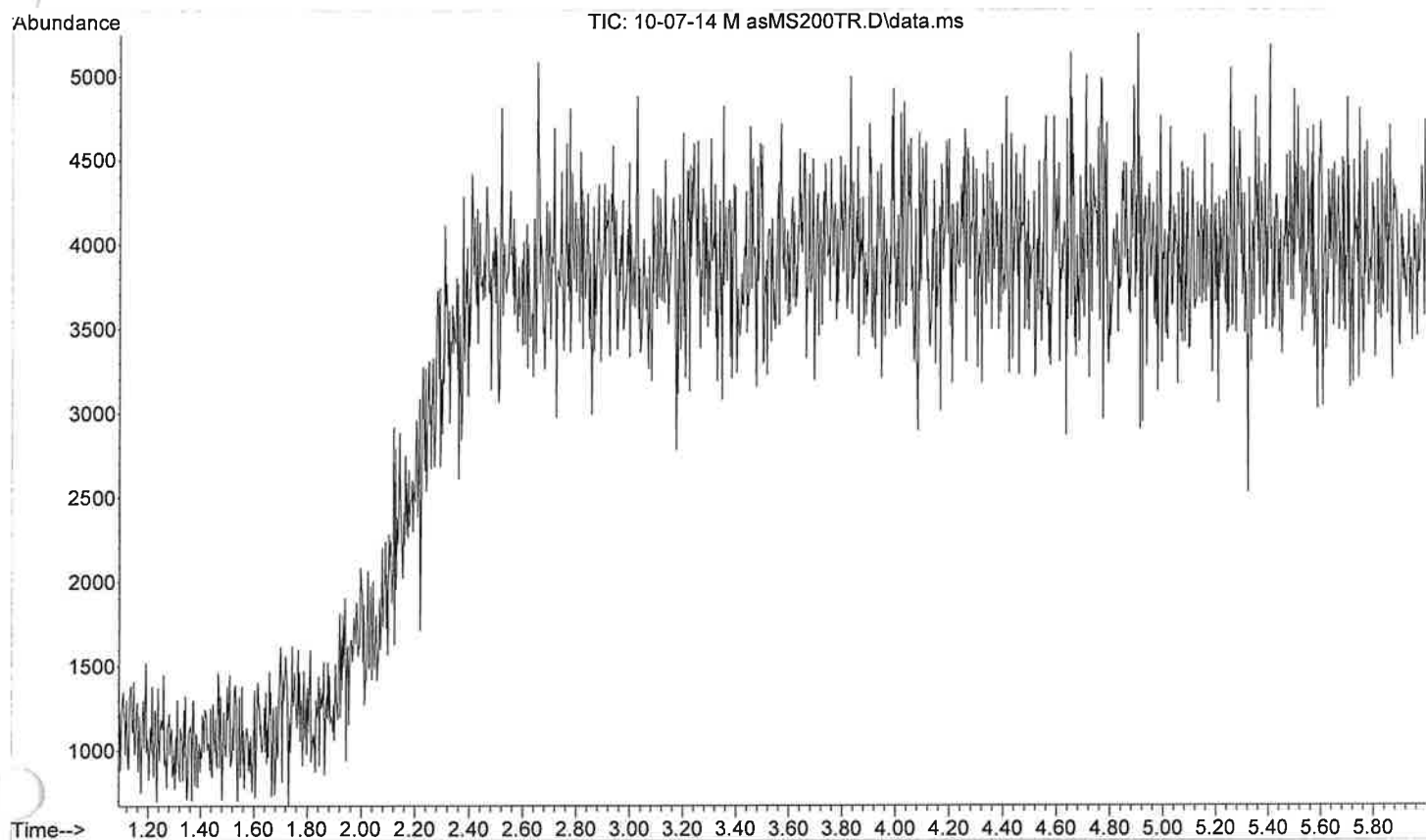
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP Mix asMS200TR
...
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 15:58 using AcqMethod ASMS200TR.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c@ 70c/min for 6 min



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH mix asMS200TR
...
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 16:15 using AcqMethod ASMS200TR.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c@ 70c/min for 6 min

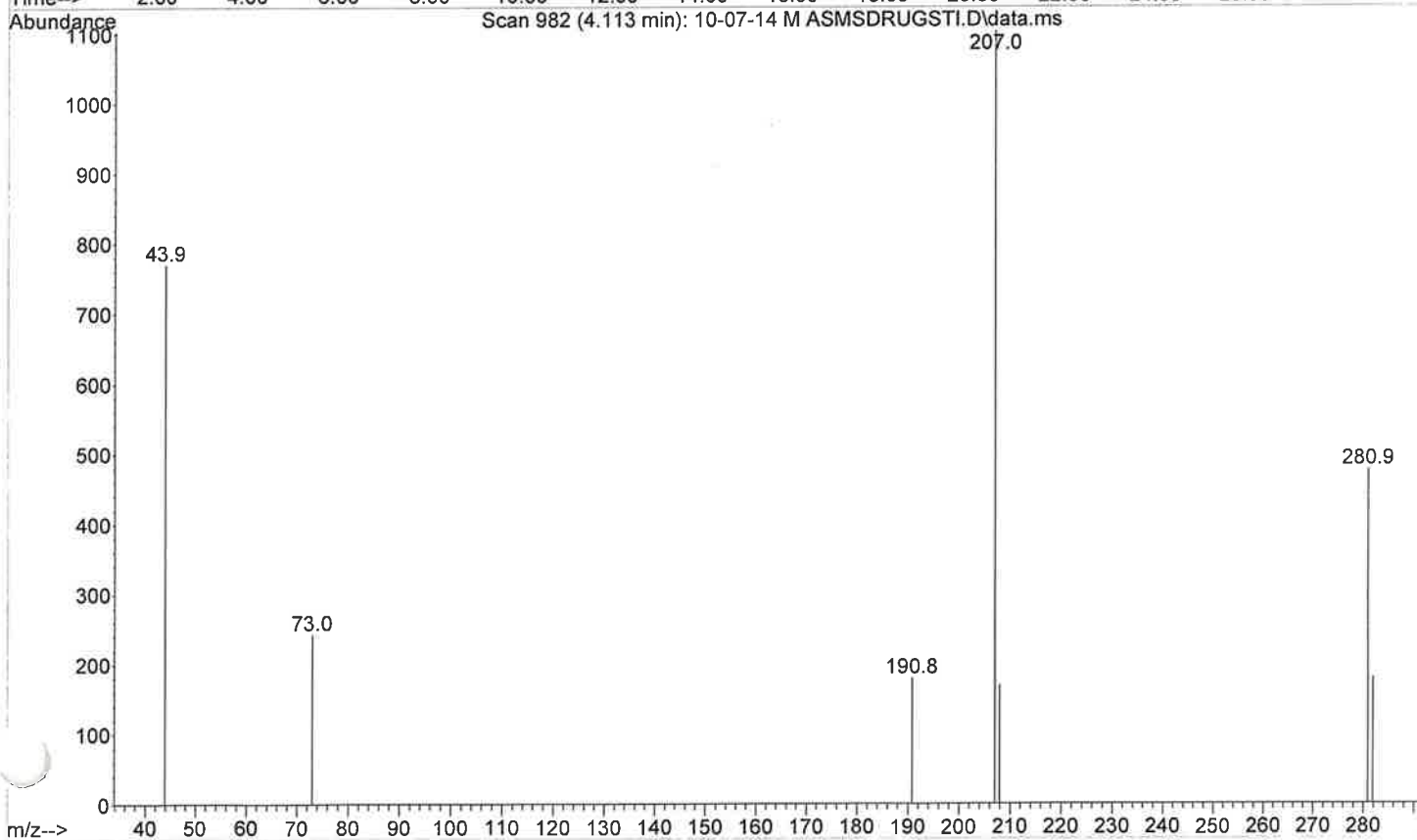
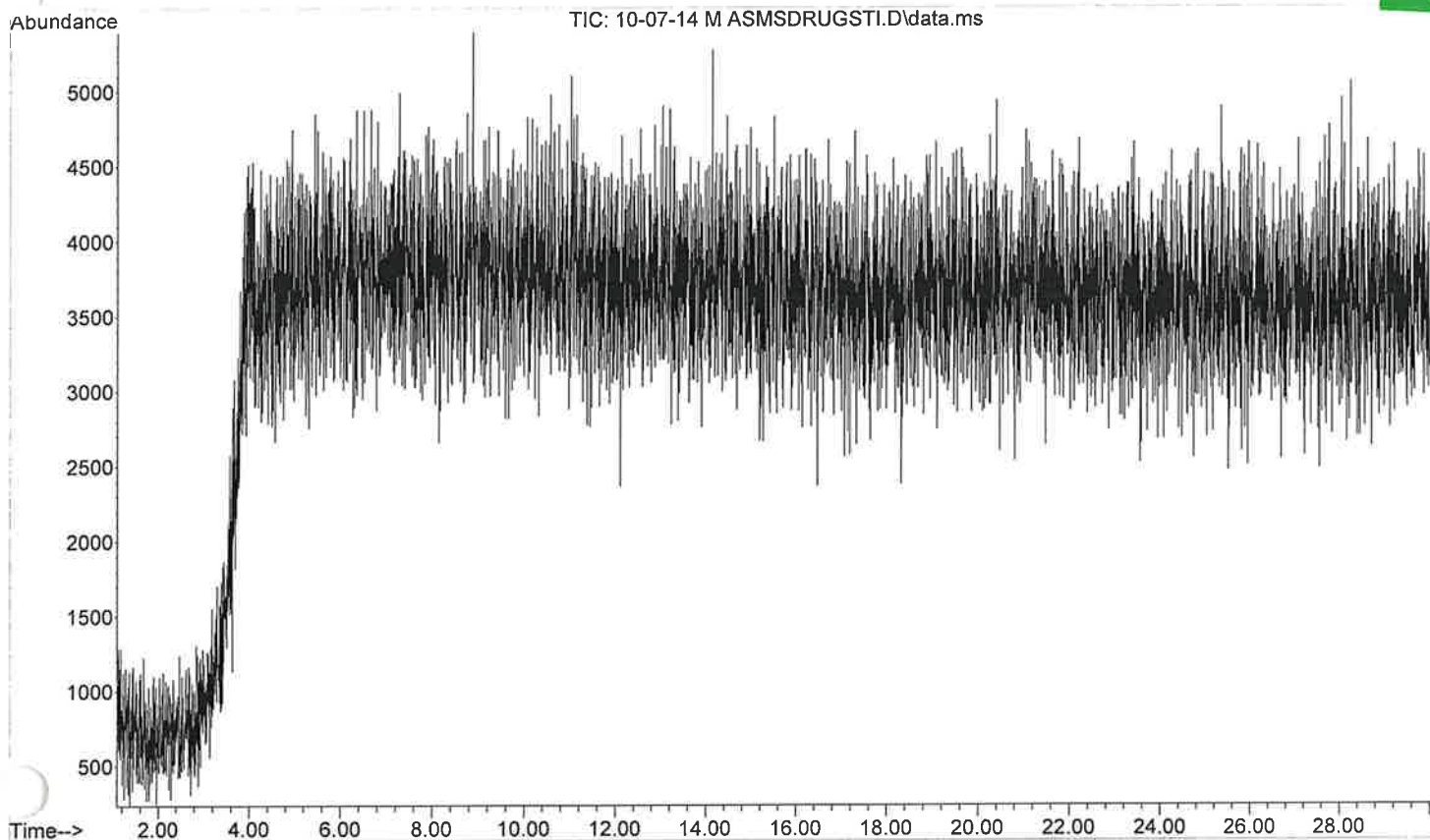


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-07-14 M asMS20
... 0TR.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 16:07 using AcqMethod ASMS200TR.M
Sample Name: Methanol Blank
Misc Info : Methanol 200-280c@ 70c/min for 6 min

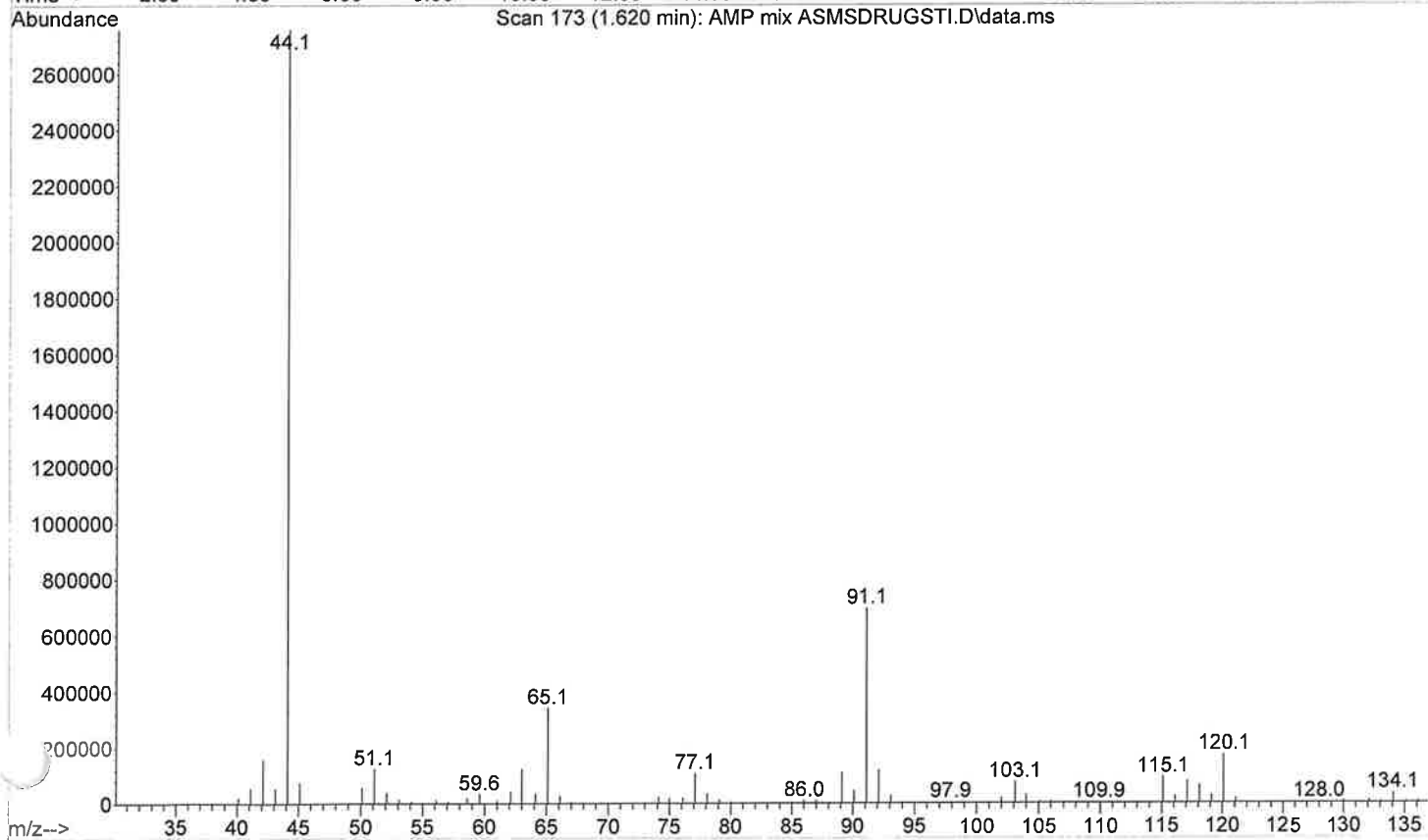
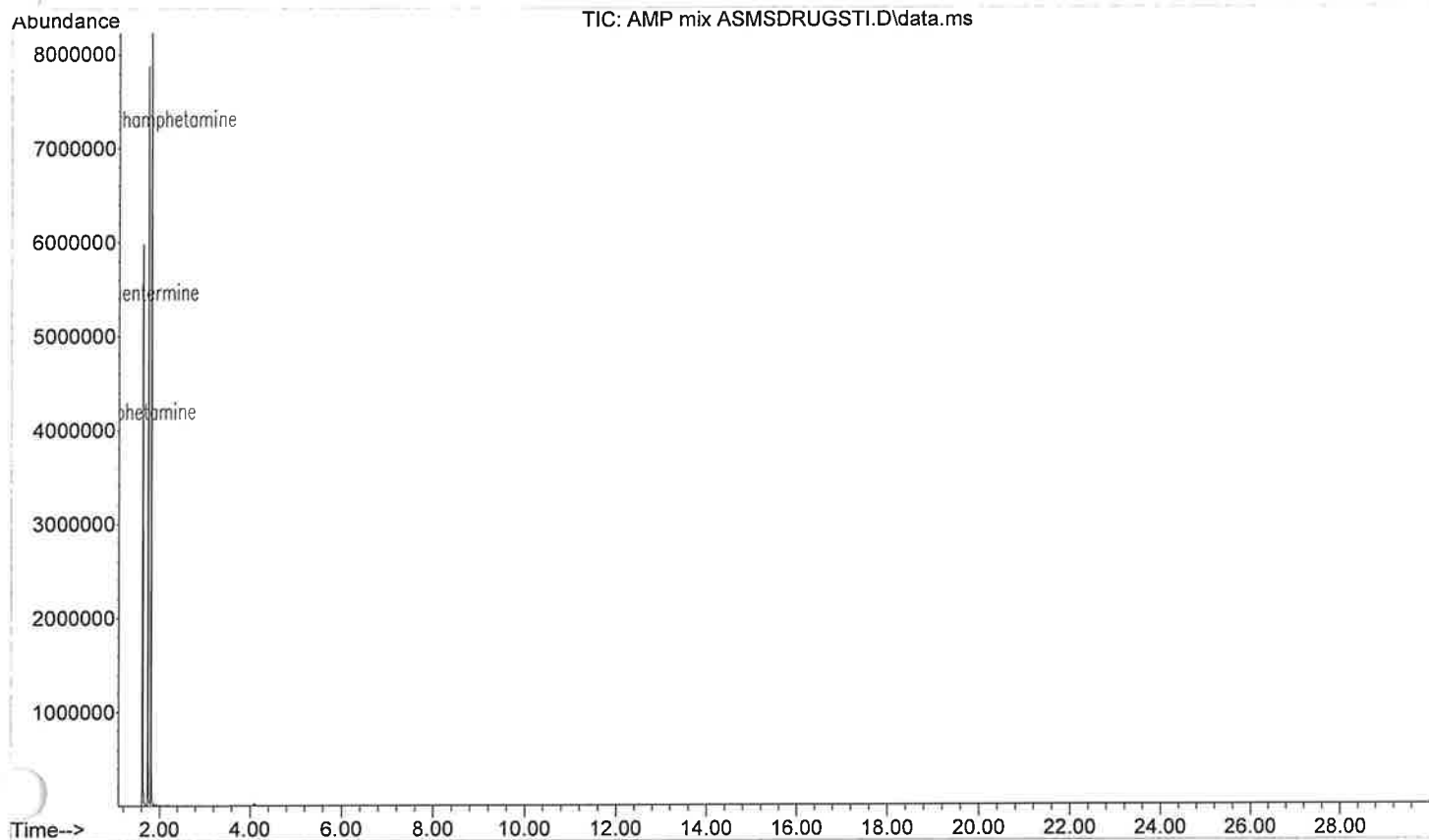


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-07-14 M ASMSDR
... UGSTI.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 19:21 using AcqMethod ASMSDRUGSTI.M
Sample Name: Methanol Blank
Mi Info : Methanol 100-280c@ 70c/min for 30 min

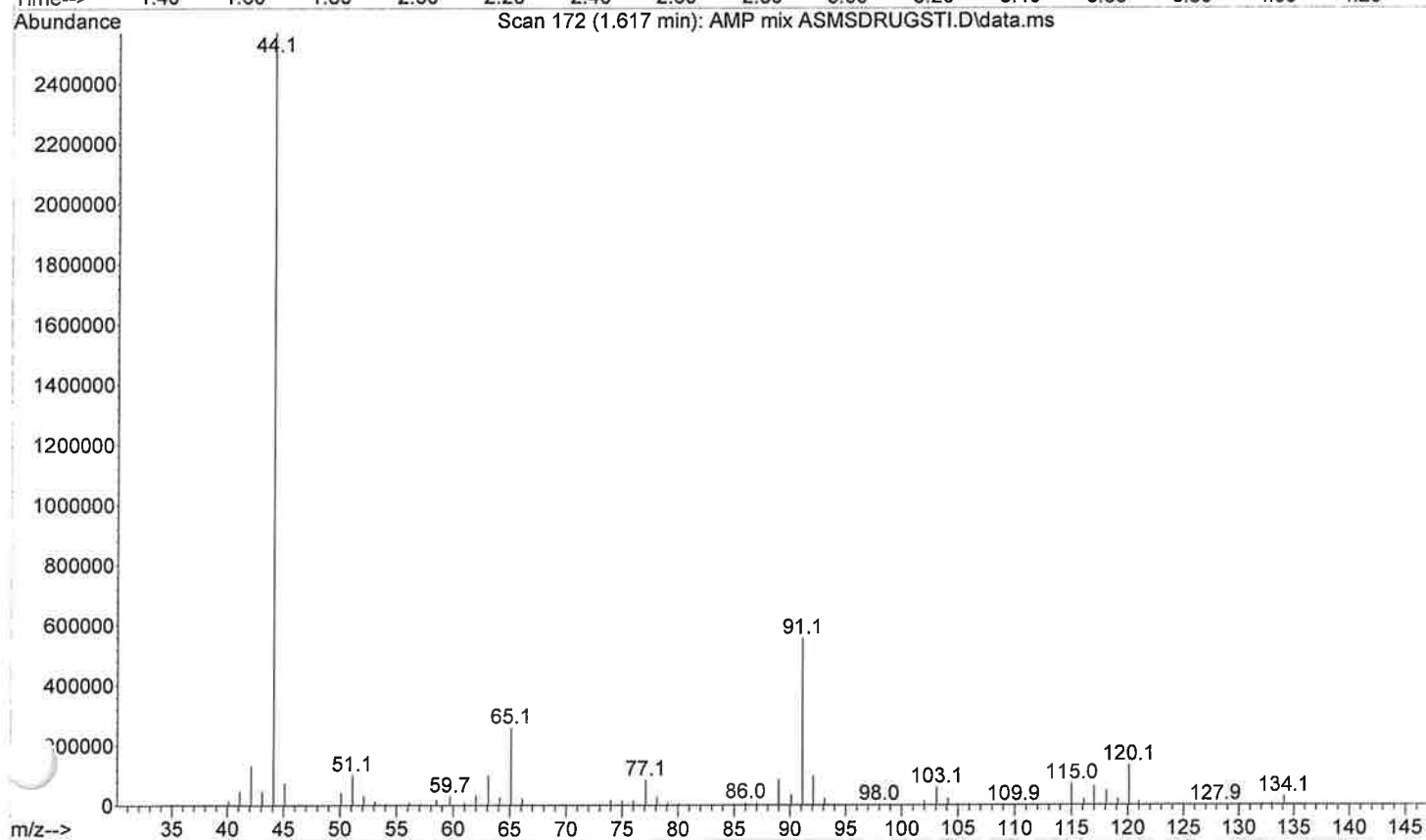
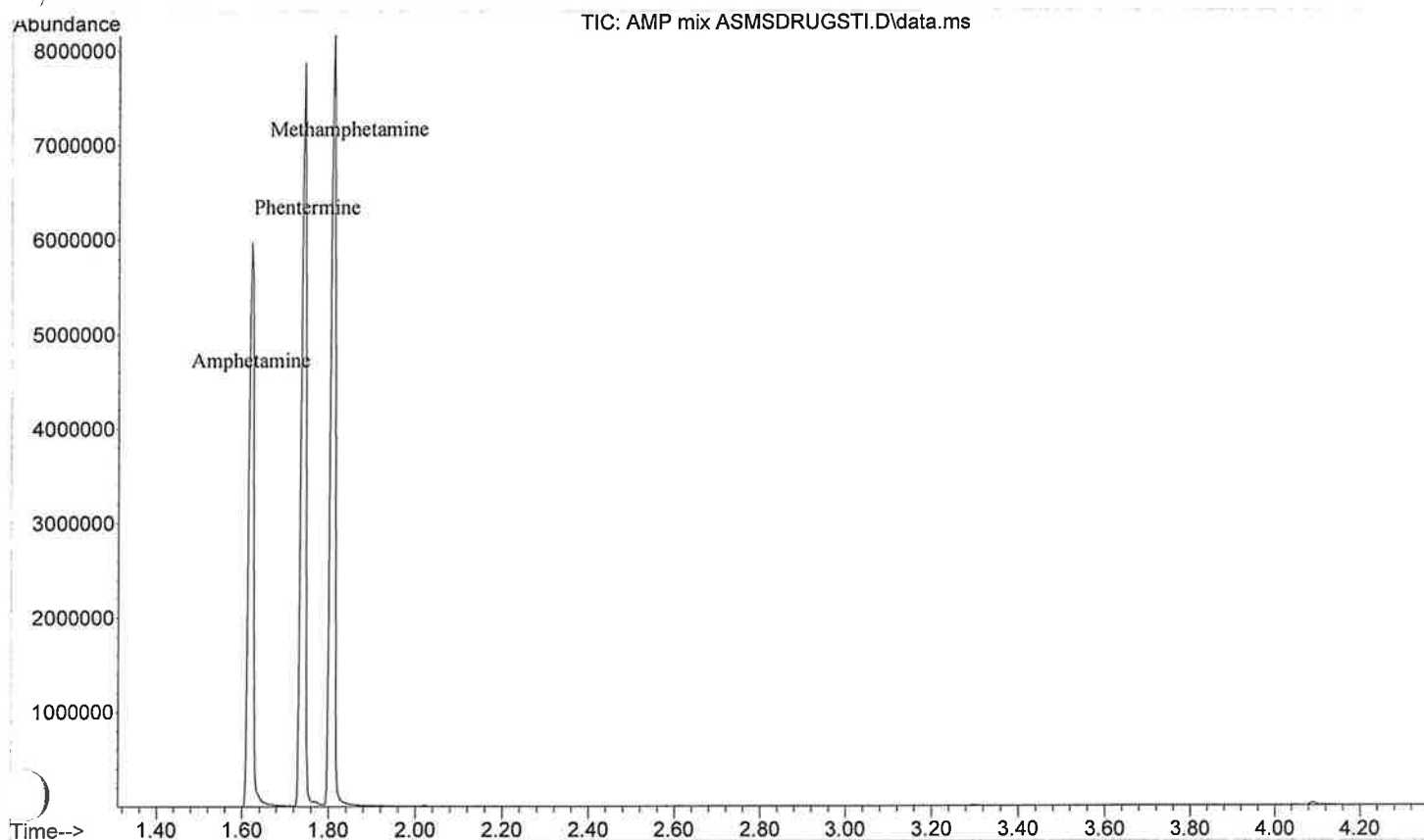
ASMSDRUGSTI



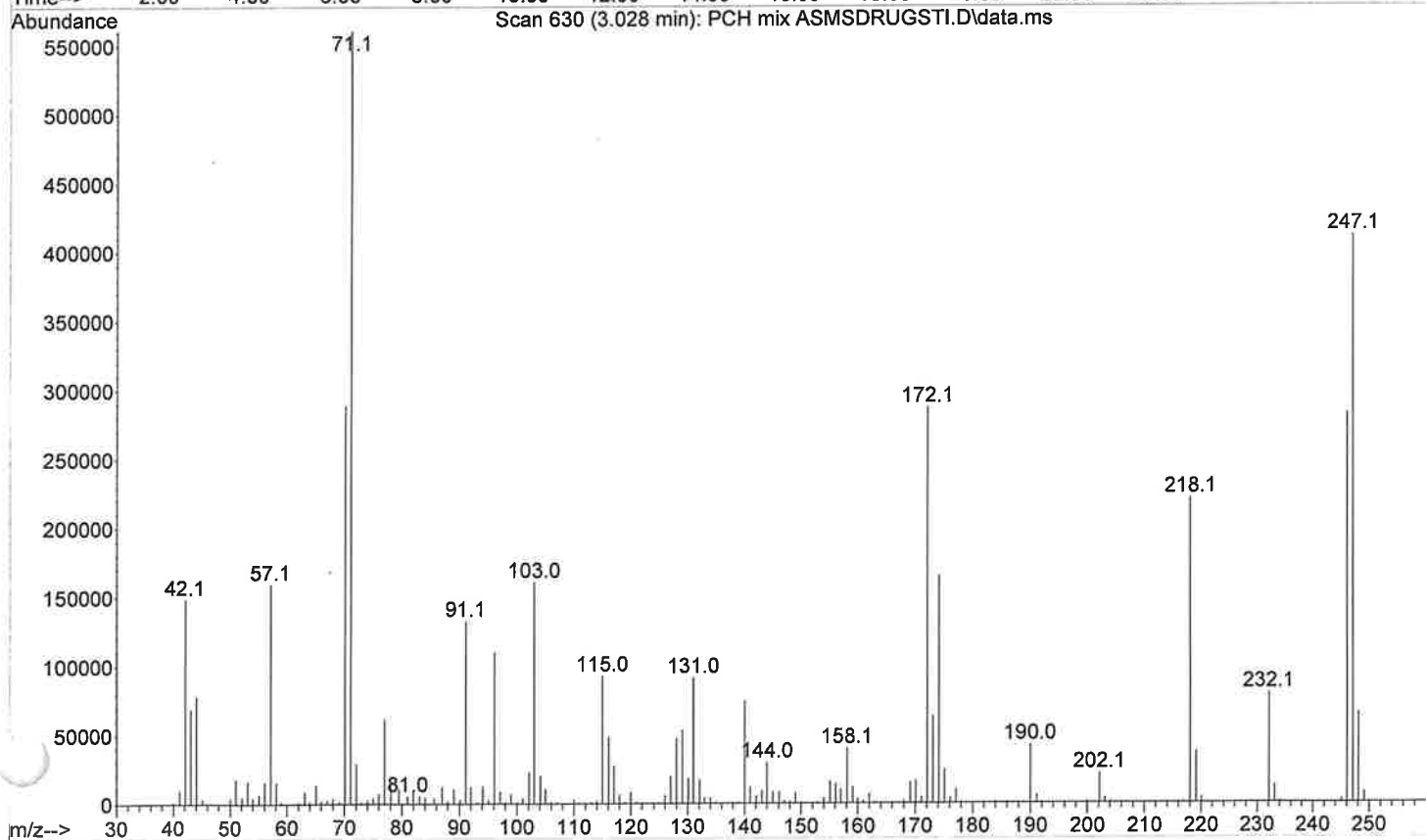
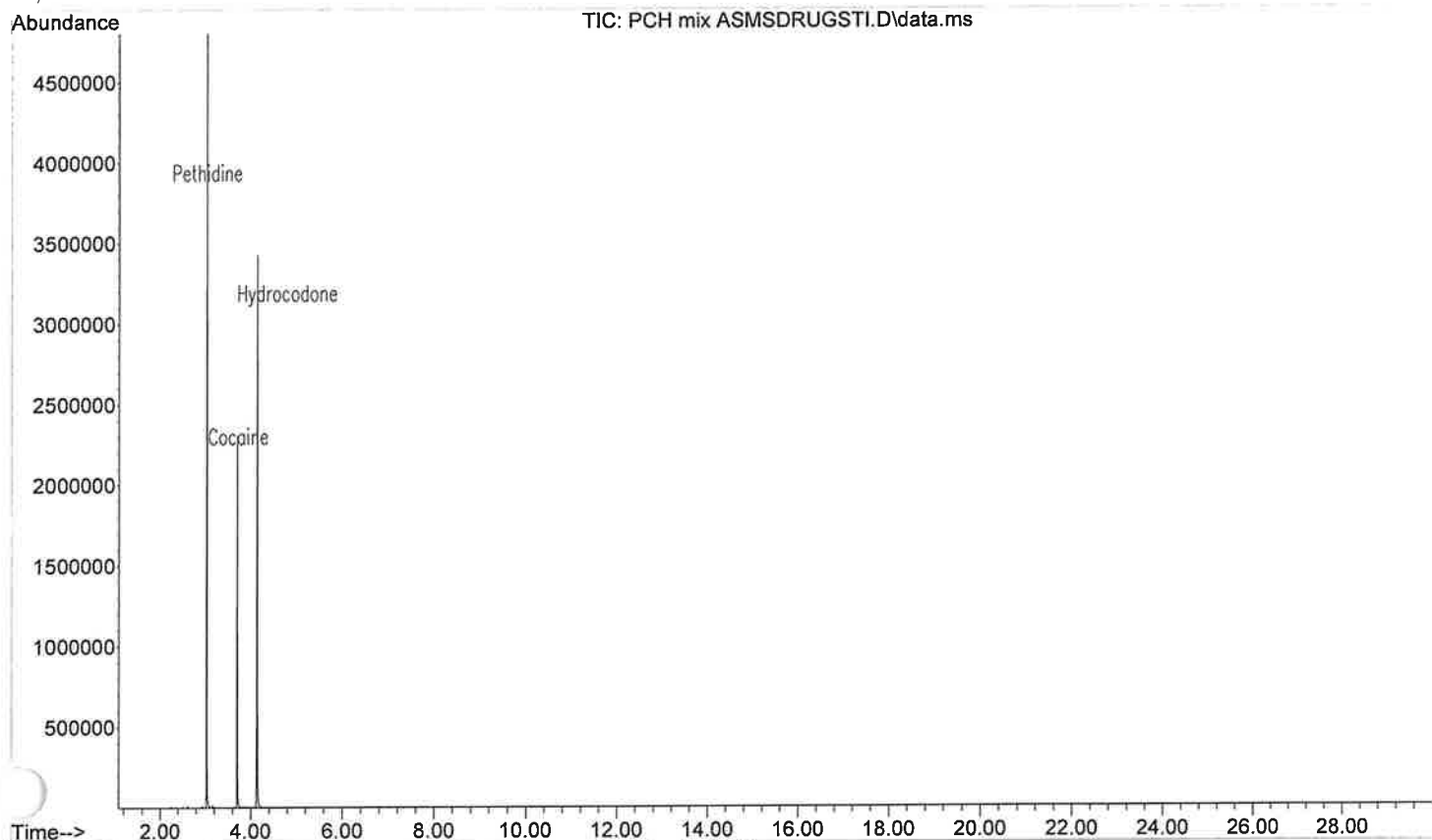
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix ASMSDRUGS
... TI.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 18:47 using AcqMethod ASMSDRUGSTI.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Mi Info : Chloroform 100-280c@ 70c/min for 30 min



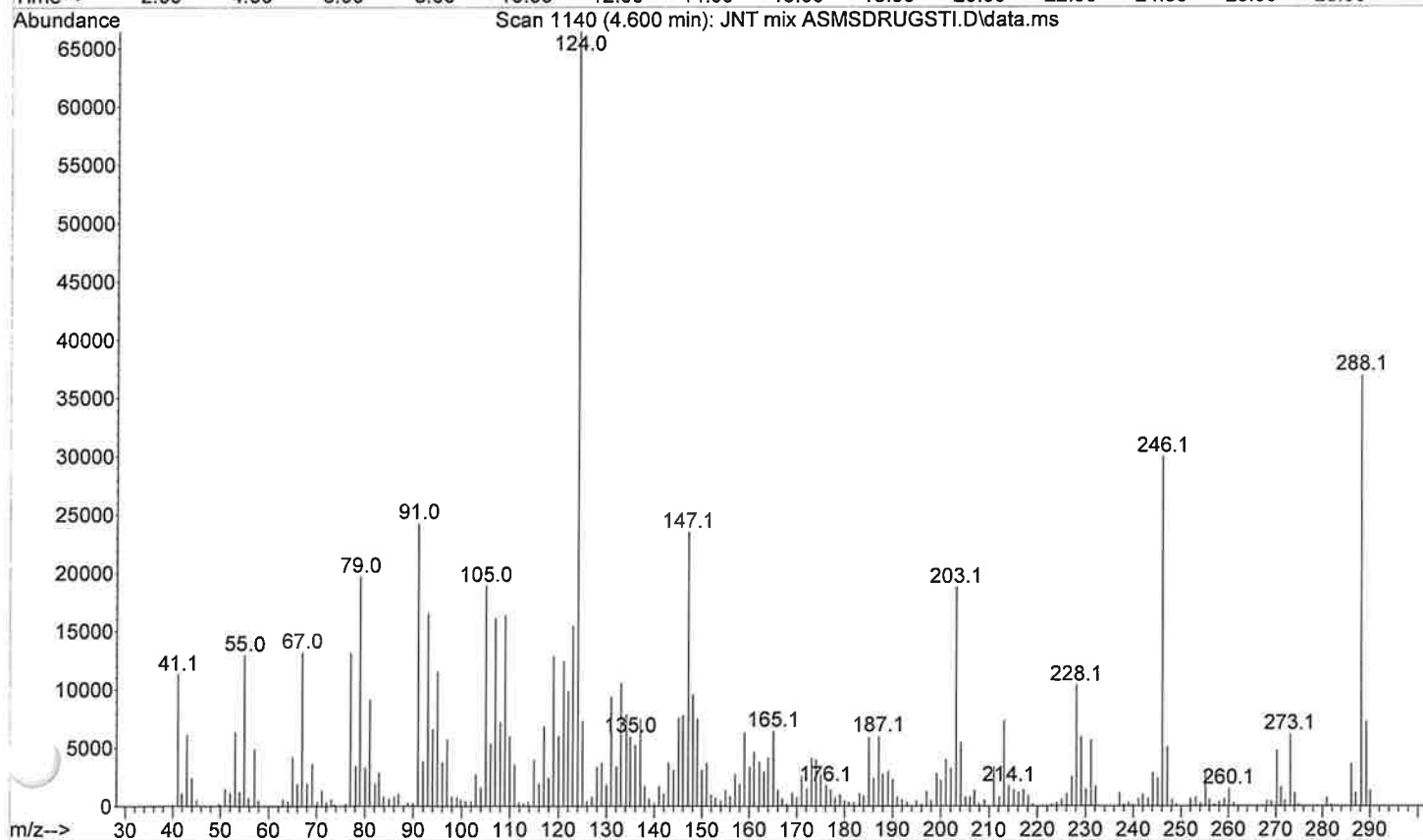
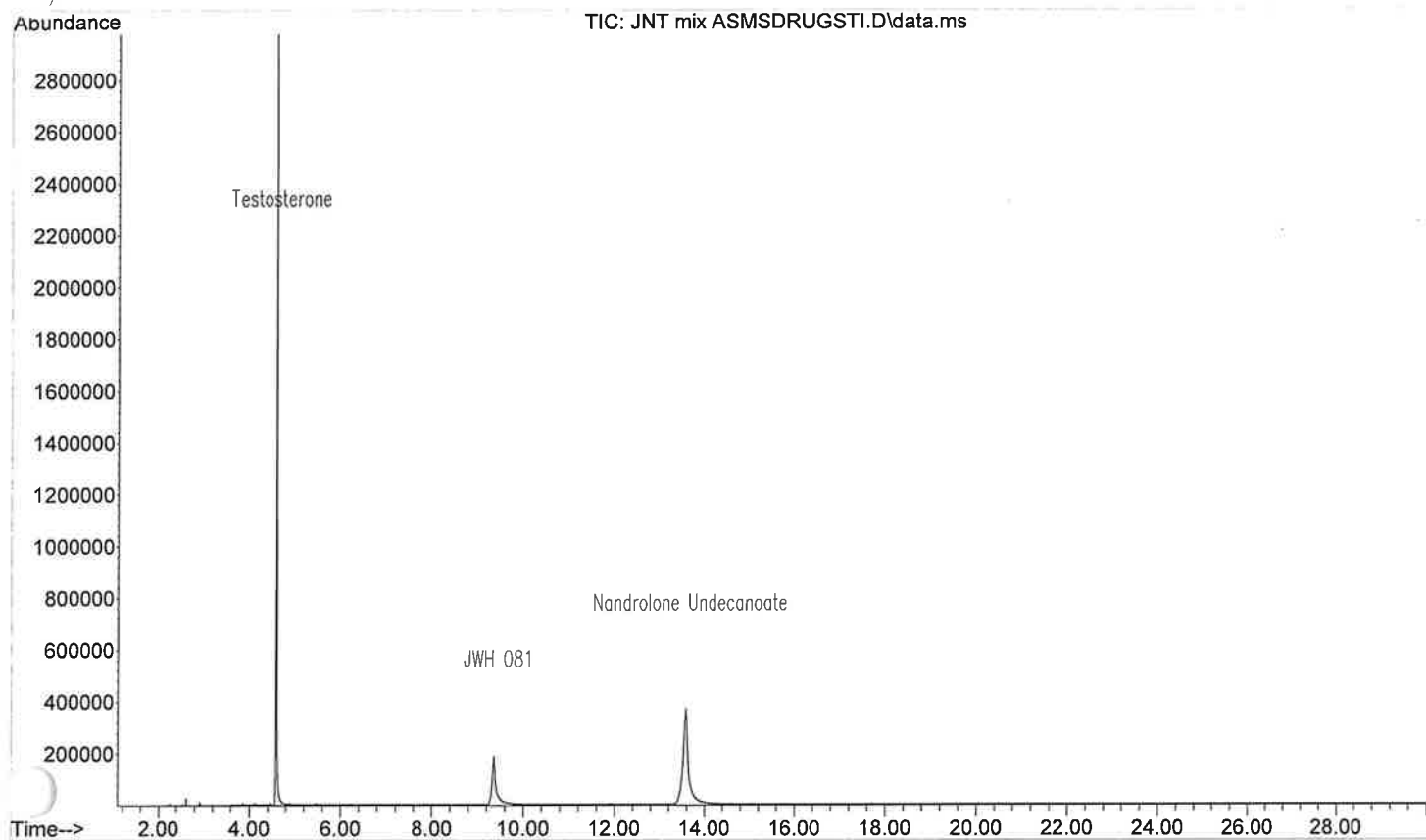
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix ASMSDRUGS
... TI.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 18:47 using AcqMethod ASMSDRUGSTI.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Mi Info : Chloroform 100-280c@ 70c/min for 30 min



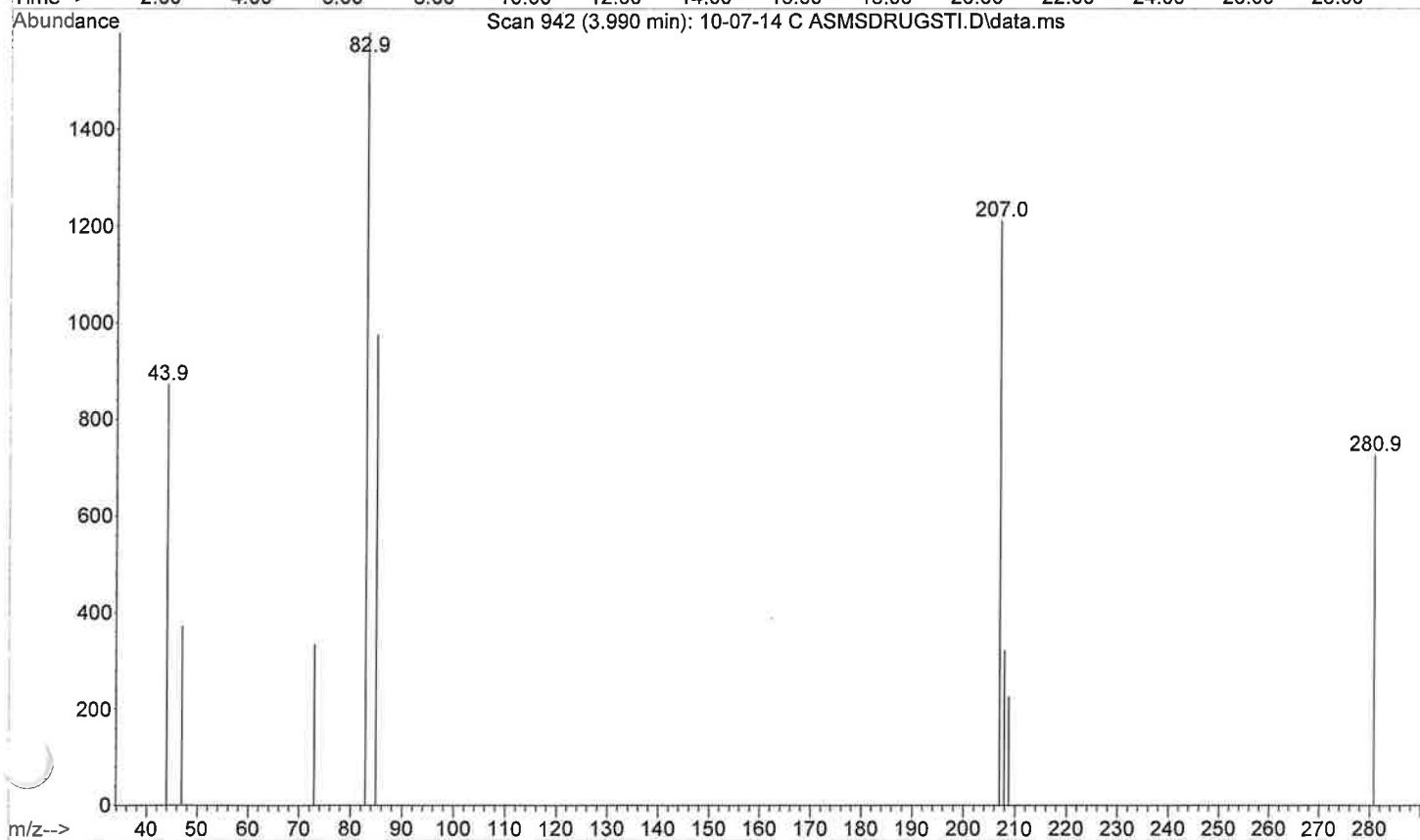
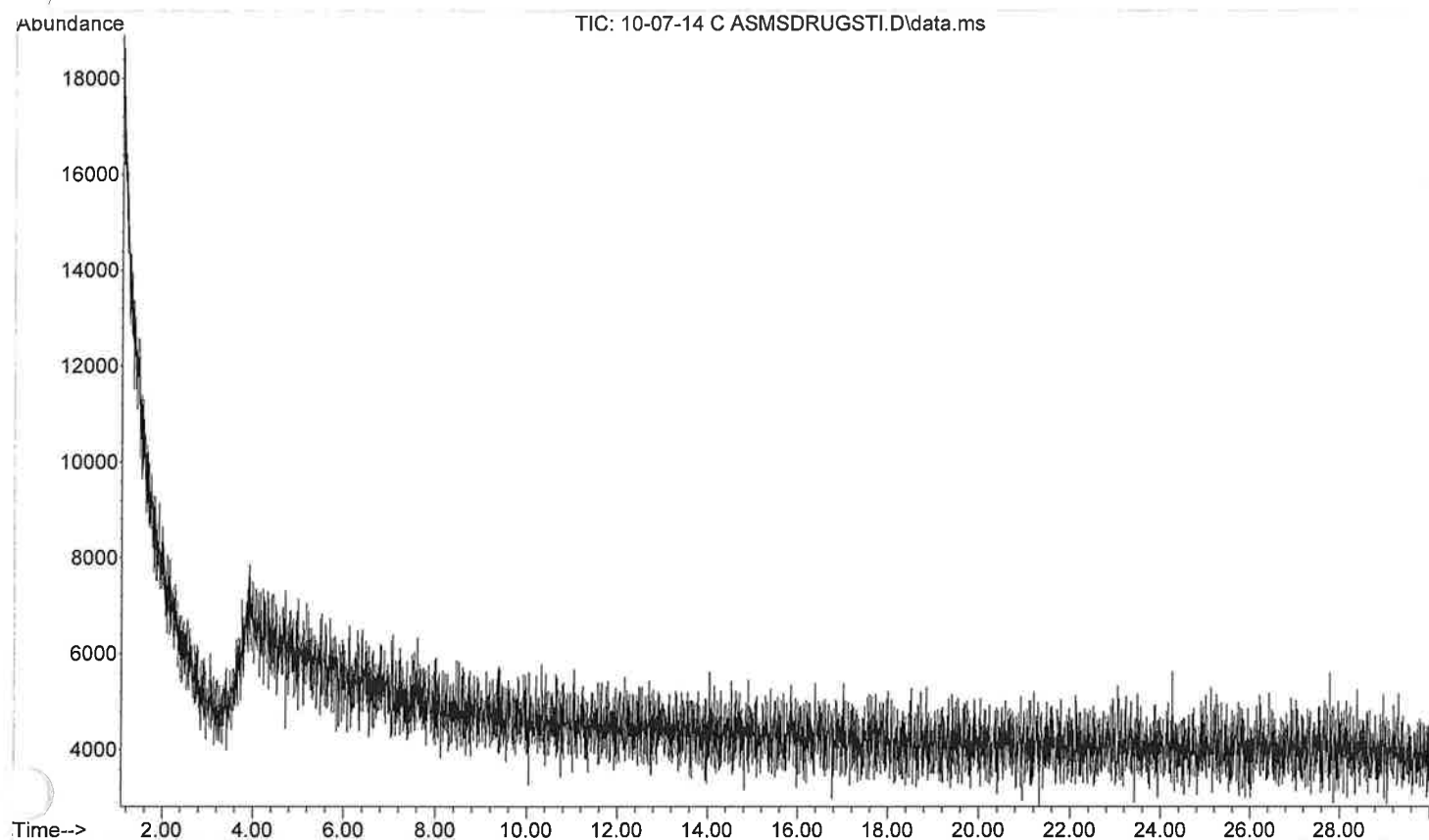
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH mix ASMSDRUGS
... TI.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 19:55 using AcqMethod ASMSDRUGSTI.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Mi Info : Methanol 100-280c@ 70c/min for 30 min



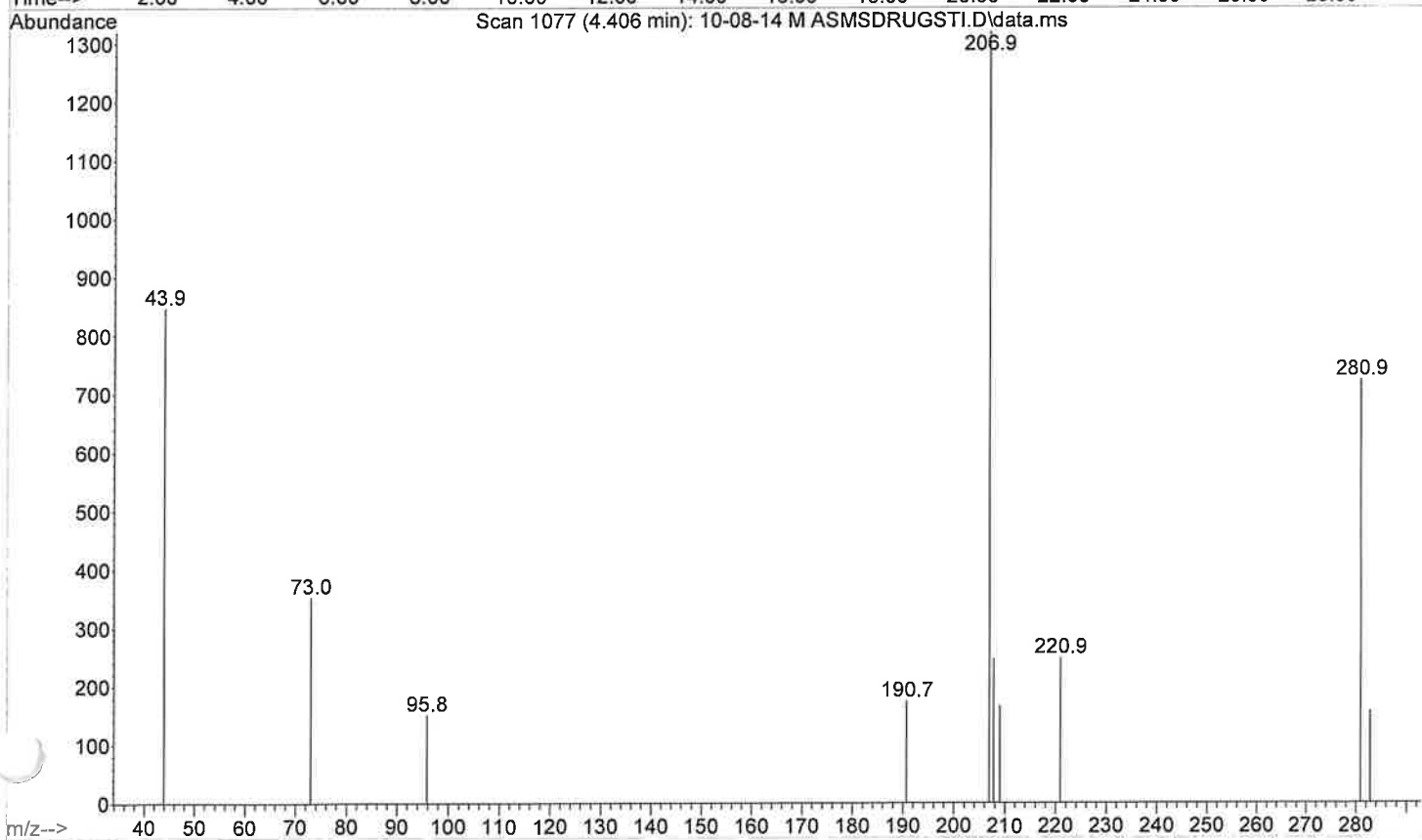
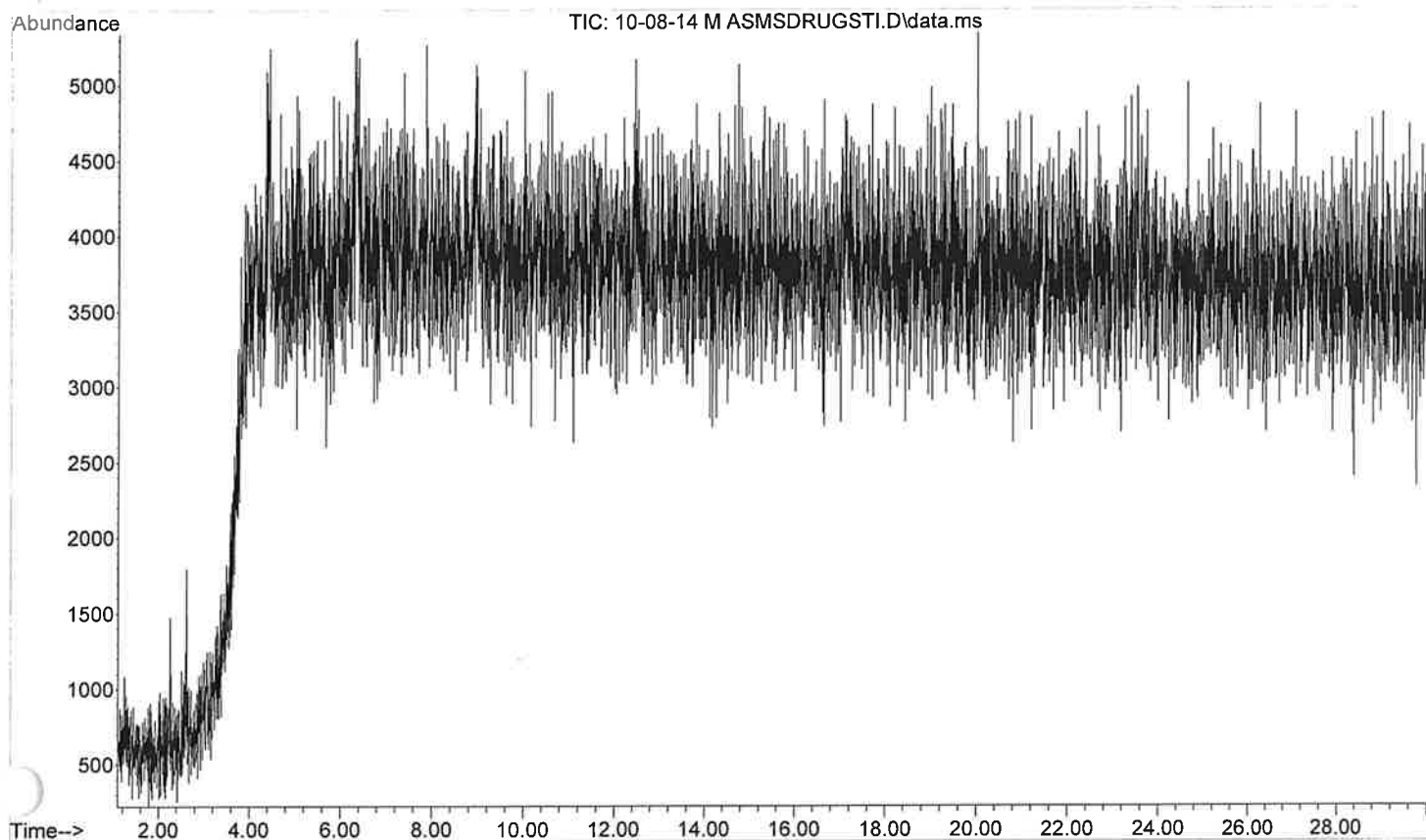
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\JNT mix ASMSDRUGS
... TI.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 8 Oct 2014 8:03 using AcqMethod ASMSDRUGSTI.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 100-280c@ 70c/min for 30 min



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-07-14 C ASMSDR
... UGSTI.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 18:13 using AcqMethod ASMSDRUGSTI.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 100-280c@ 70c/min for 30 min

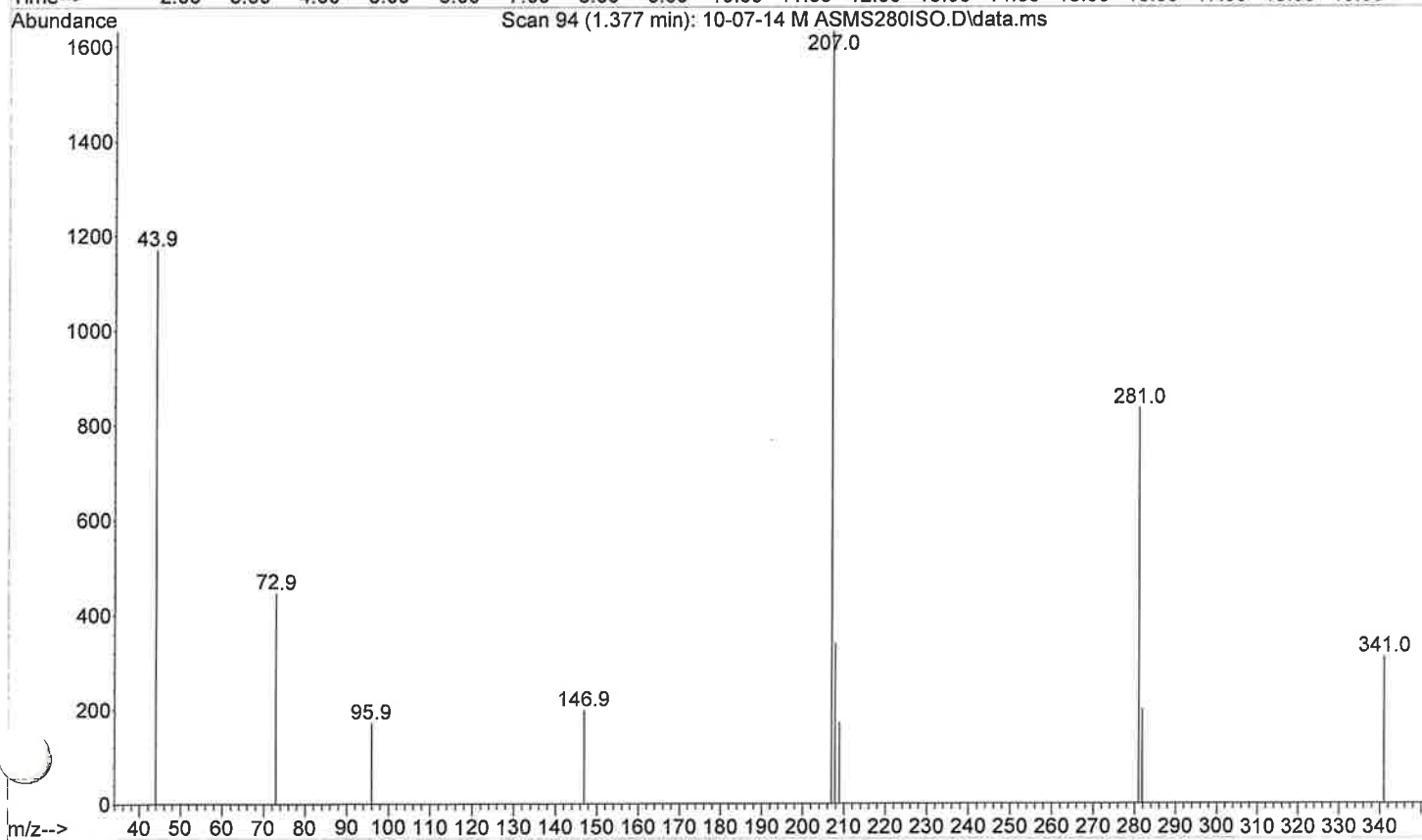
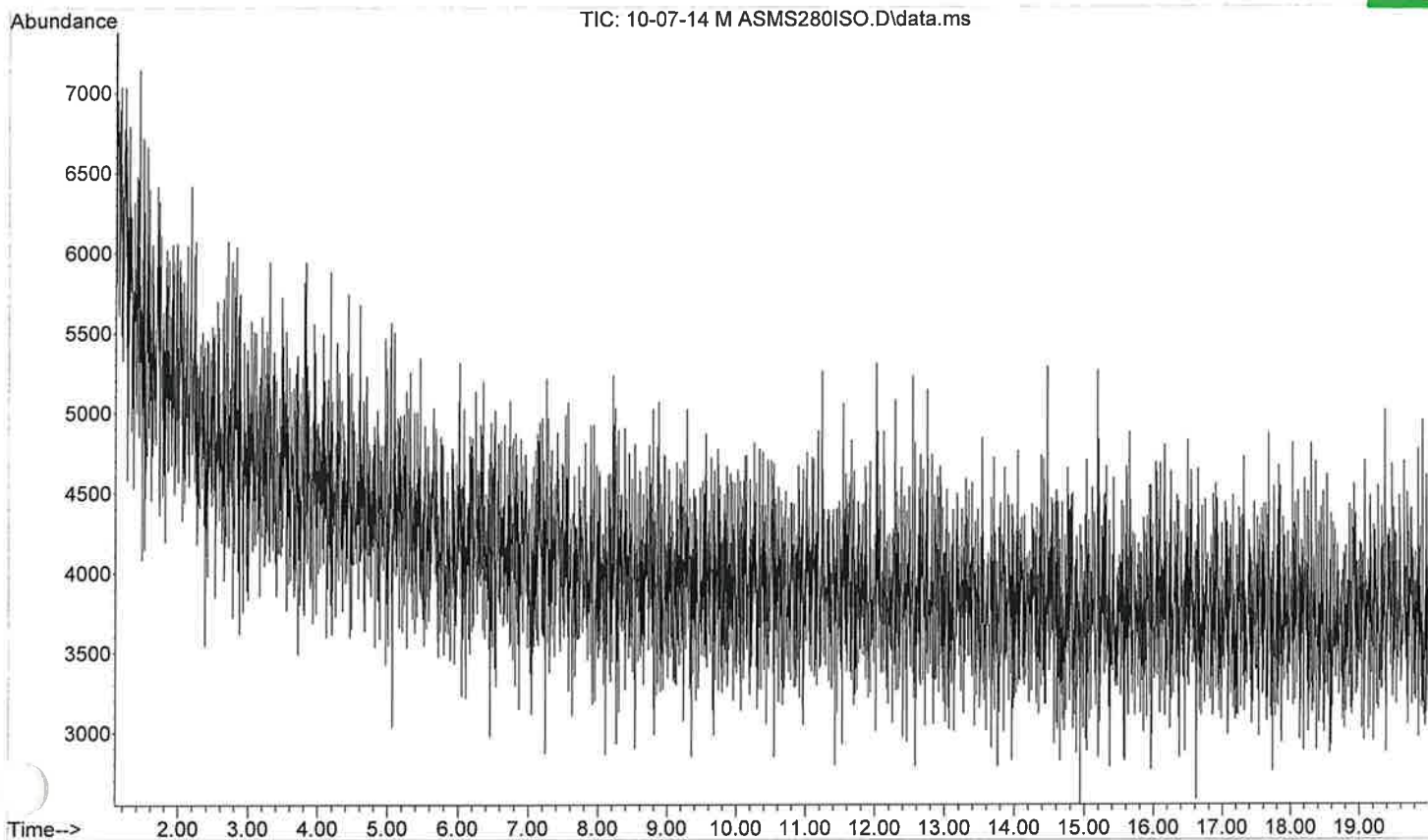


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-08-14 M ASMSDR
... UGSTI.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 8 Oct 2014 7:29 using AcqMethod ASMSDRUGSTI.M
Sample Name: Methanol Blank
Mi Info : Methanol 100-280c@ 70c/min for 30 min

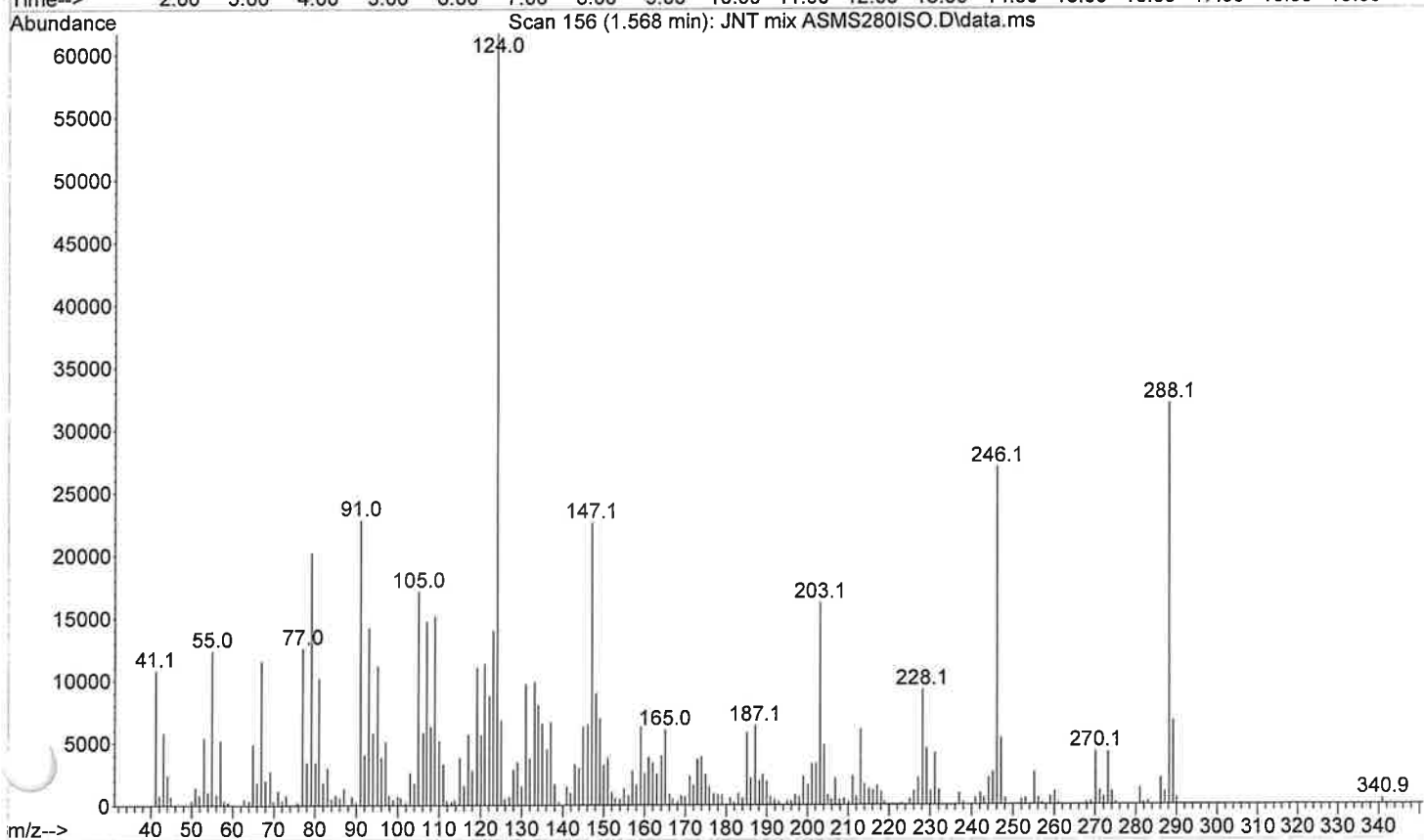
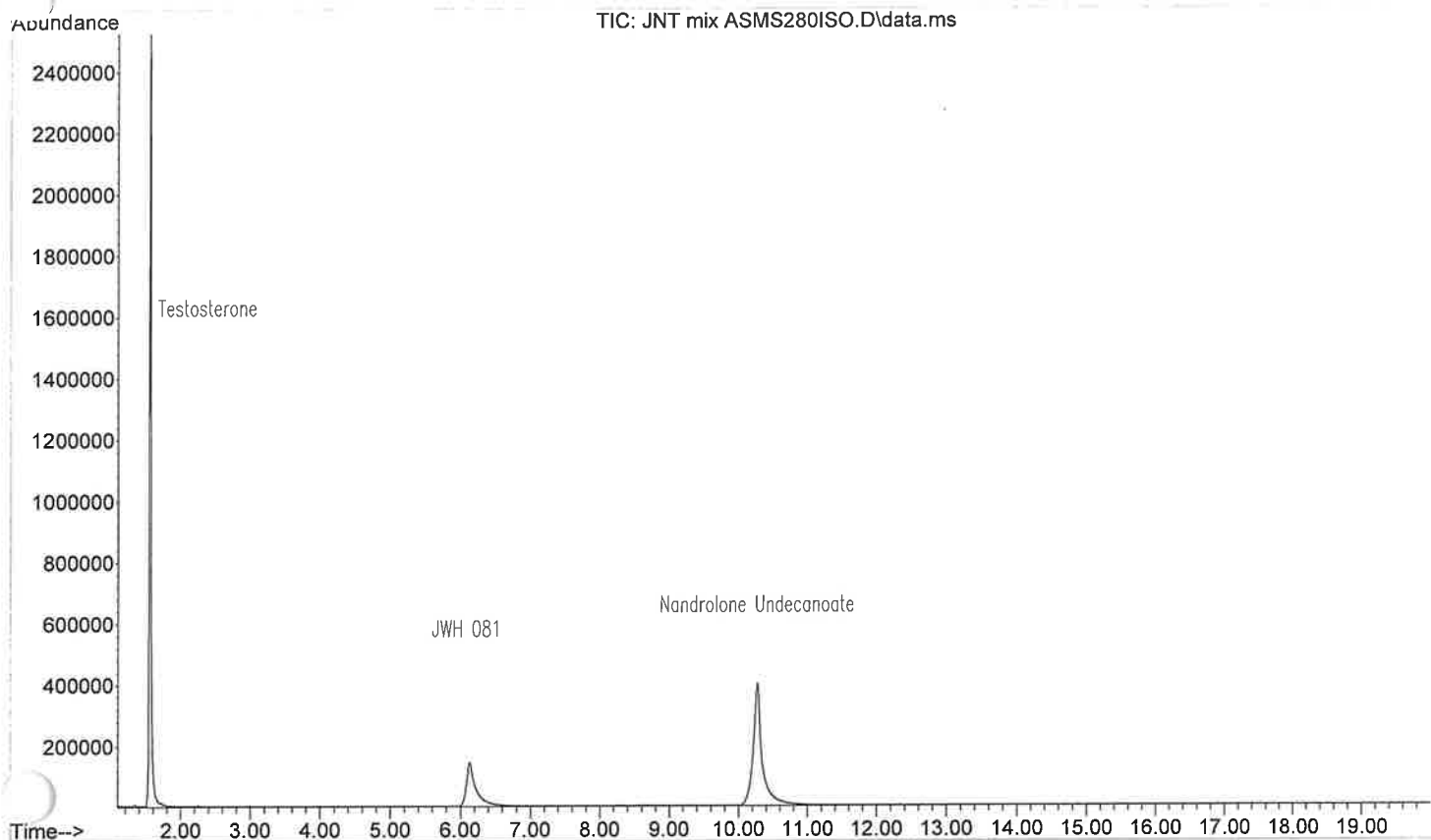


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-07-14 M ASMS28
... 0ISO.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 17:28 using AcqMethod ASMS280ISO.M
Sample Name: Methanol Blank
Mi Info : Methanol 280c for 20 min

ASMS280ISO



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\JNT mix ASMS280IS
... O.D
Operator : Lela Jackson
Instrument : donna2
Acquired : 7 Oct 2014 17:49 using AcqMethod ASMS280ISO.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 20 min



EGGROLL

EGGROLL Summary: GCMS comparisons

	Methods				
<u>Compounds</u>	MSDRUGS60	MS100TR	MS200TR	MSDRUGSTI	MS280ISO
Amphetamine	+	+	-	+	/
Phentermine	+	+	-	+	/
Methamphetamine	+	+	-	+	/
Pethidine	+	+	-	+	/
Cocaine	+	+	+	+	/
Hydrocodone	+	+	+	+	/
Testosterone	/	/	/	+	+ (barely)
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

	Methods				
<u>Compounds</u>	ASMSDRUGS60	ASMS100TR	ASMS200TR	ASMSDRUGSTI	ASMS280ISO
Amphetamine	+	+	-	+	/
Phentermine	+	+	-	+	/
Methamphetamine	+	+	-	+	/
Pethidine	+	+	-	+	/
Cocaine	+	+	+	+	/
Hydrocodone	+	+	+	+	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

/ = Compounds not run on method

+ = Compounds present

- = Compounds absent

EGGROLL Summary: GC Retention times

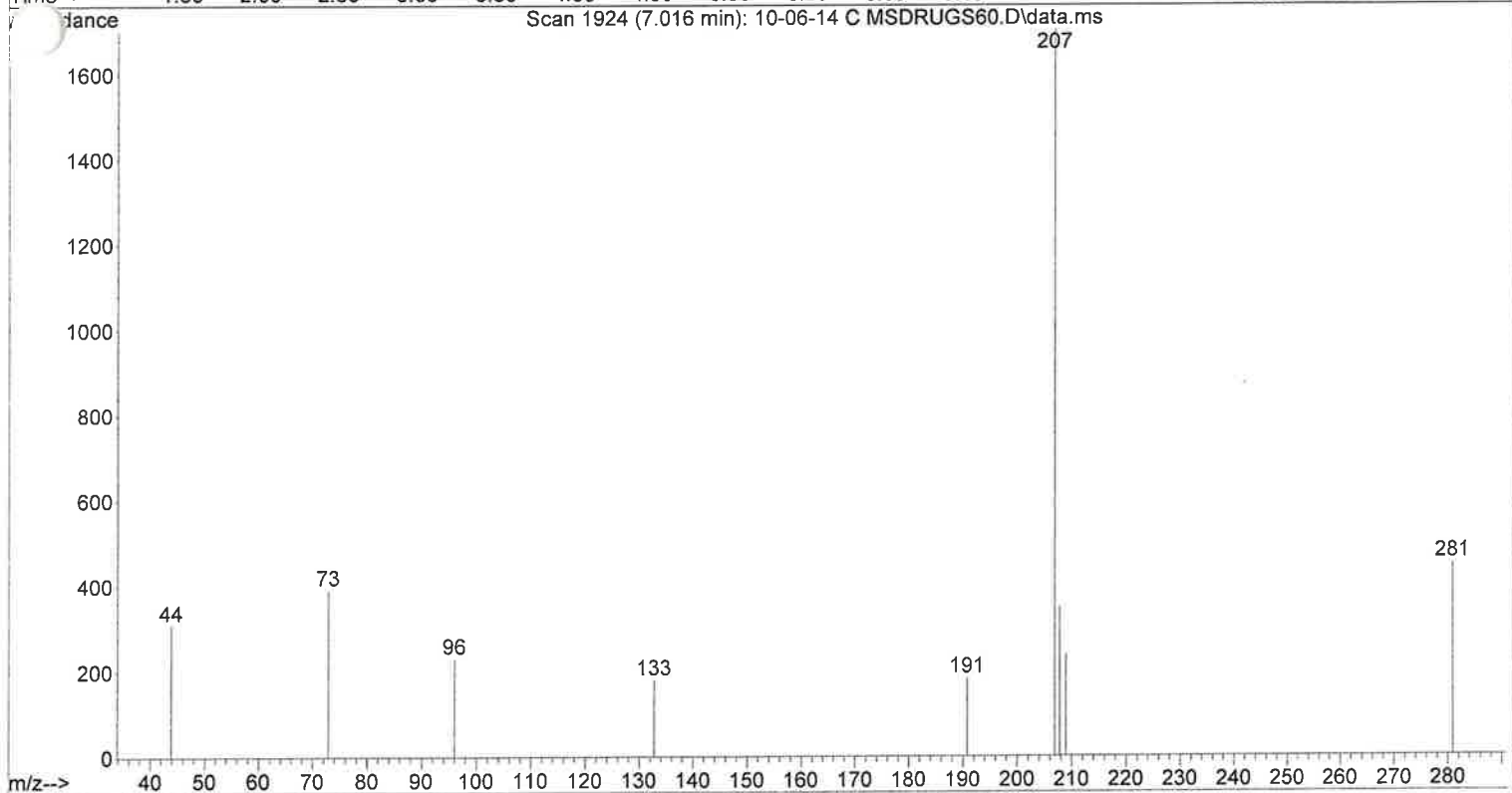
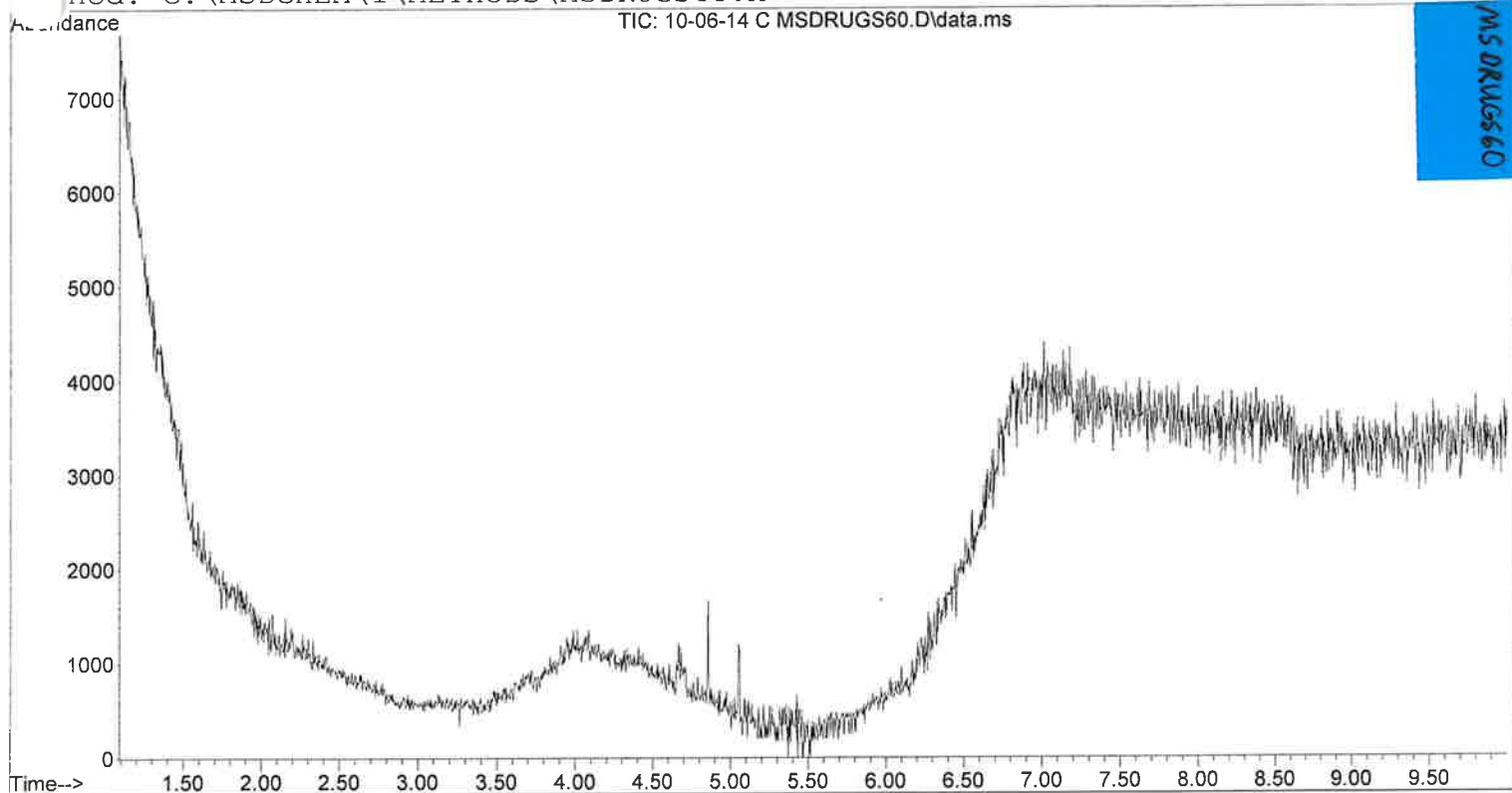
<u>Compounds</u>	Methods				
	GC100	GC200	GC150ISO	GC280ISO	GC280ISOTI
Amphetamine	2.101	*	0.607	-	-
Phentermine	2.206	*	0.642	-	-
Methamphetamine	2.265	*	0.661	-	-
Pethidine	3.436	1.701	*	-	-
Cocaine	4.146	2.487	*	-	-
Hydrocodone	4.629	2.995	*	-	-
Testosterone	-	-	-	4.097	4.105
JWH 081	-	-	-	5.456	5.460
Nandrolone Undecanoate	-	-	-	6.681	6.691

<u>Compounds</u>	Methods				
	ASGC100	ASGC200	ASGC150ISO	ASGC280ISO	ASGC280ISOTI
Amphetamine	1.158	*	0.626	-	-
Phentermine	1.293	*	0.660	-	-
Methamphetamine	1.373	*	0.680	-	-
Pethidine	2.816	1.060	*	-	-
Cocaine	3.587	1.918	*	-	-
Hydrocodone	3.988	2.343	*	-	-
Testosterone	-	-	-	4.124	4.127
JWH 081	-	-	-	5.482	5.485
Nandrolone Undecanoate	-	-	-	6.712	6.713

- = Compounds not run on method

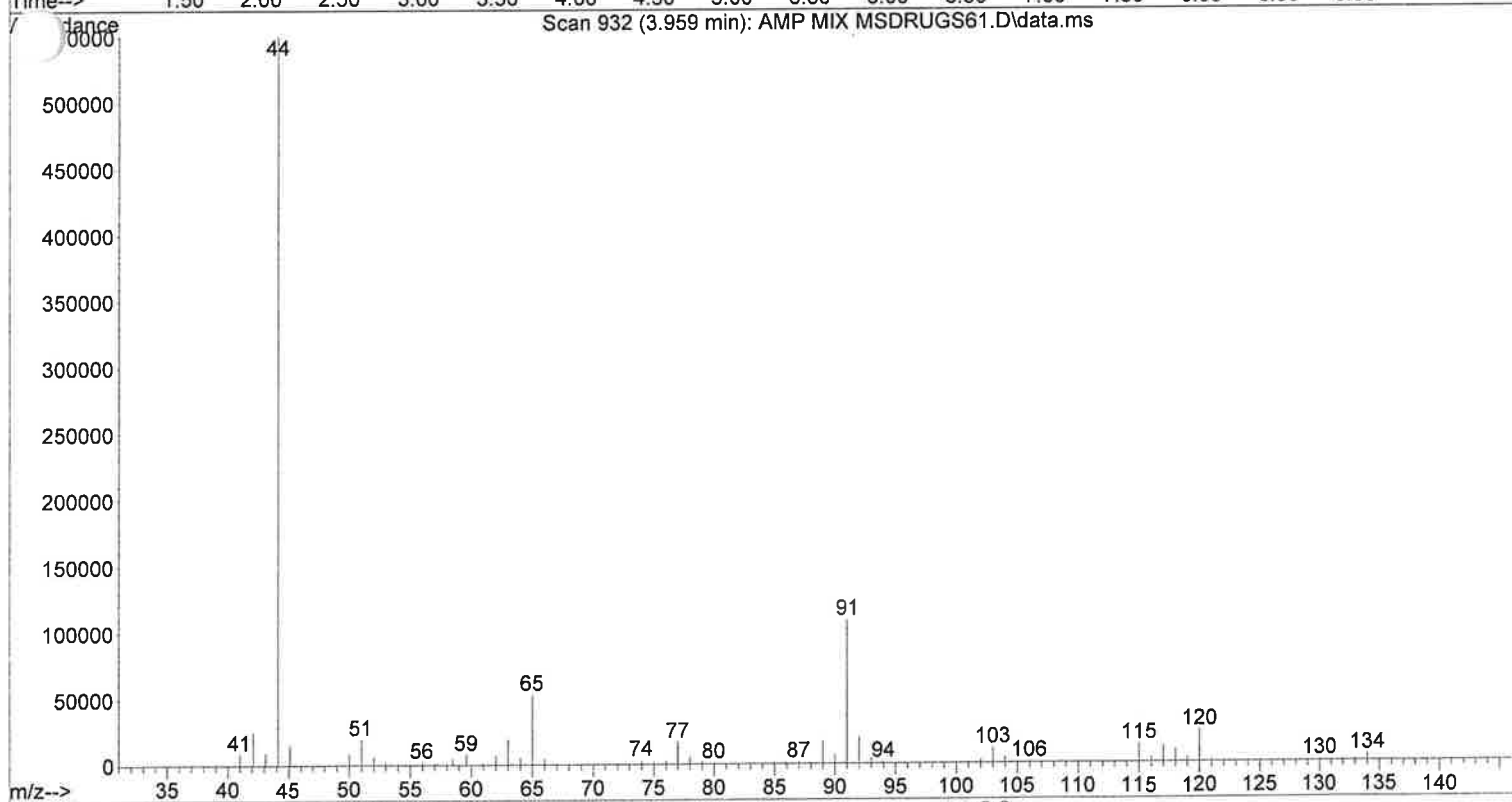
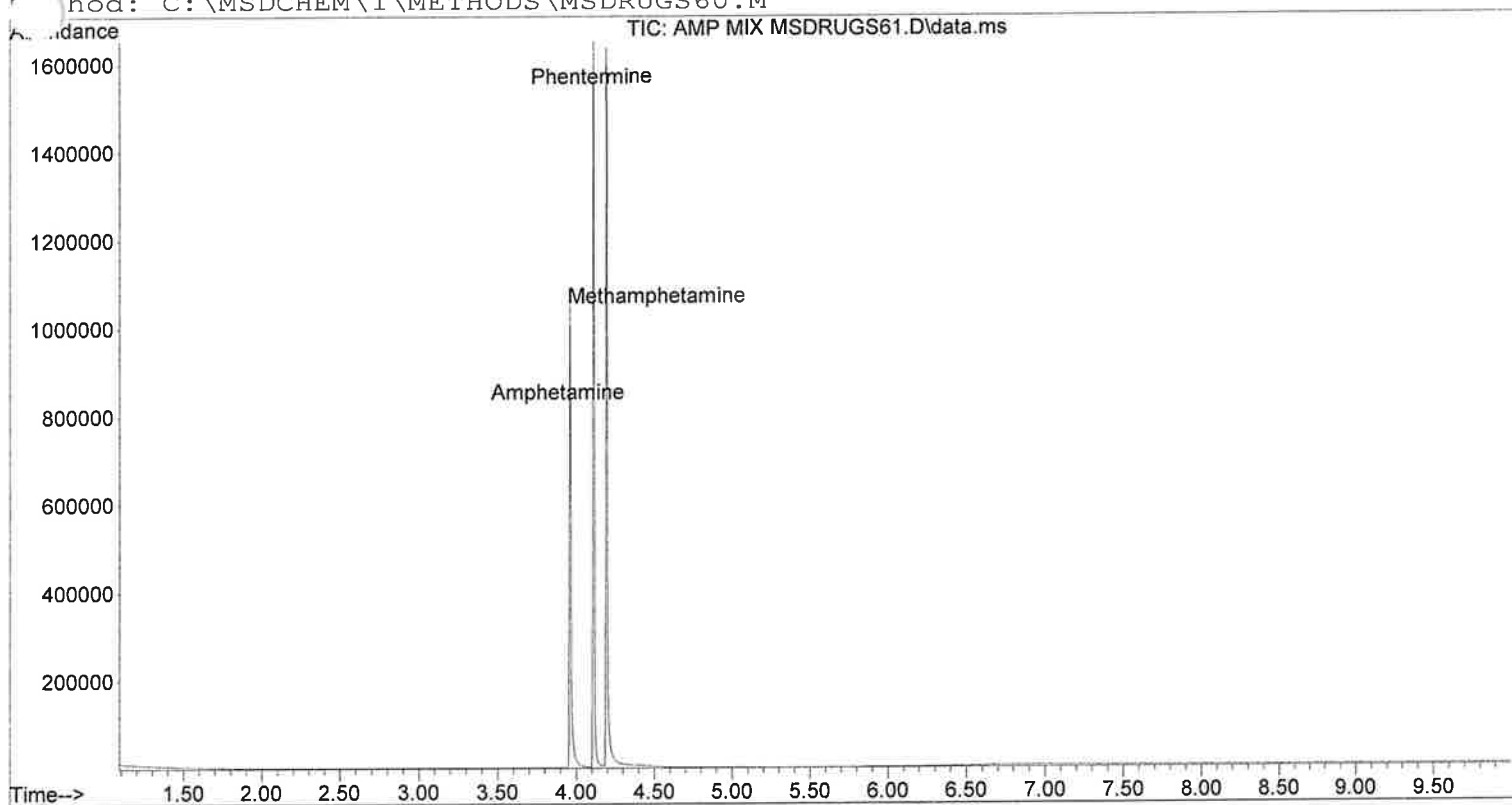
*= GC chromatographs had 2 prominent peaks or less (unable to attribute identification to suspected compound peaks)

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-06-14 C MS DRUGS60.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 14:02
Information: Chloroform Blank Misc. Information: Chloroform 60-280c @70c/min for
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



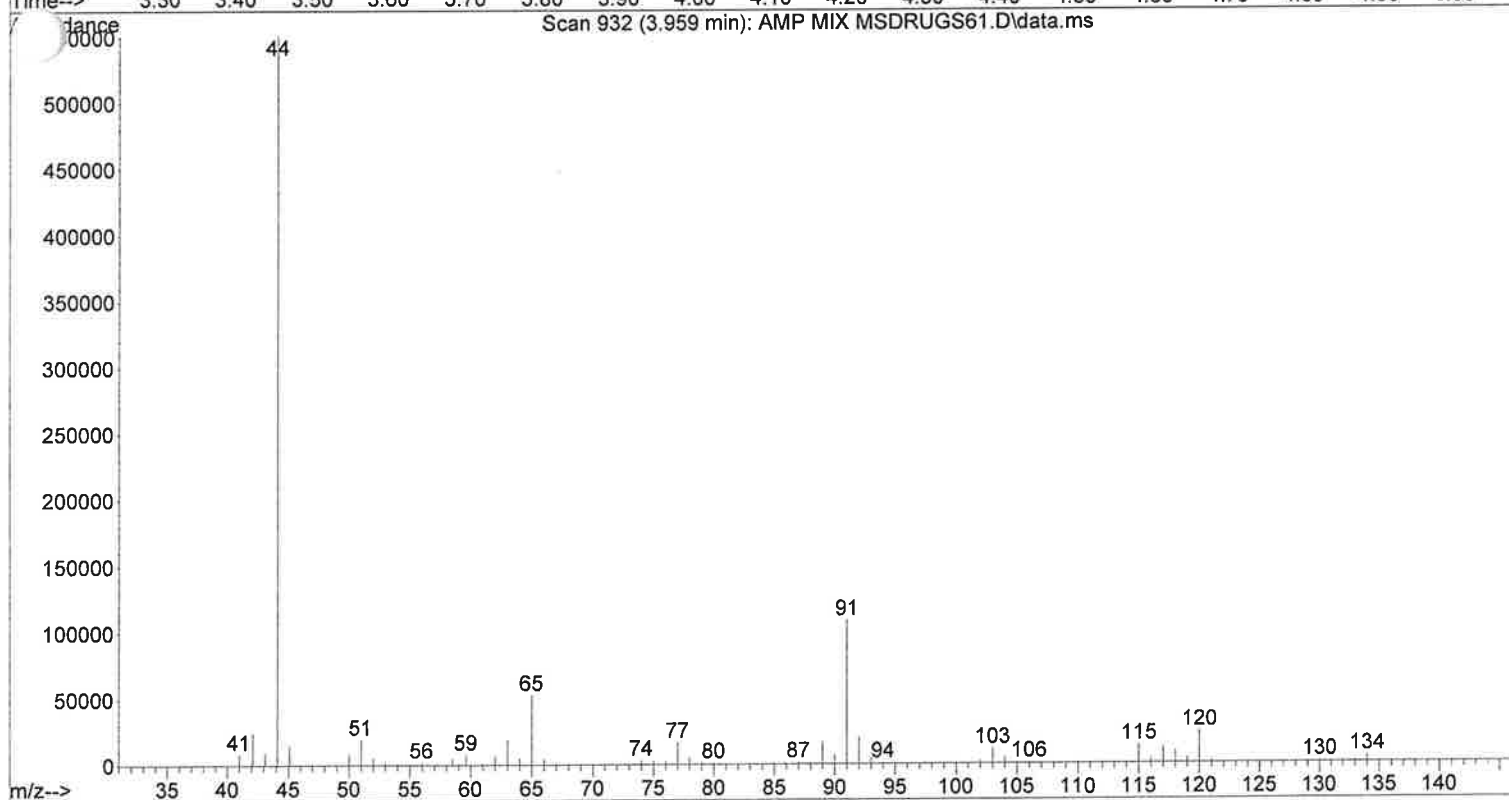
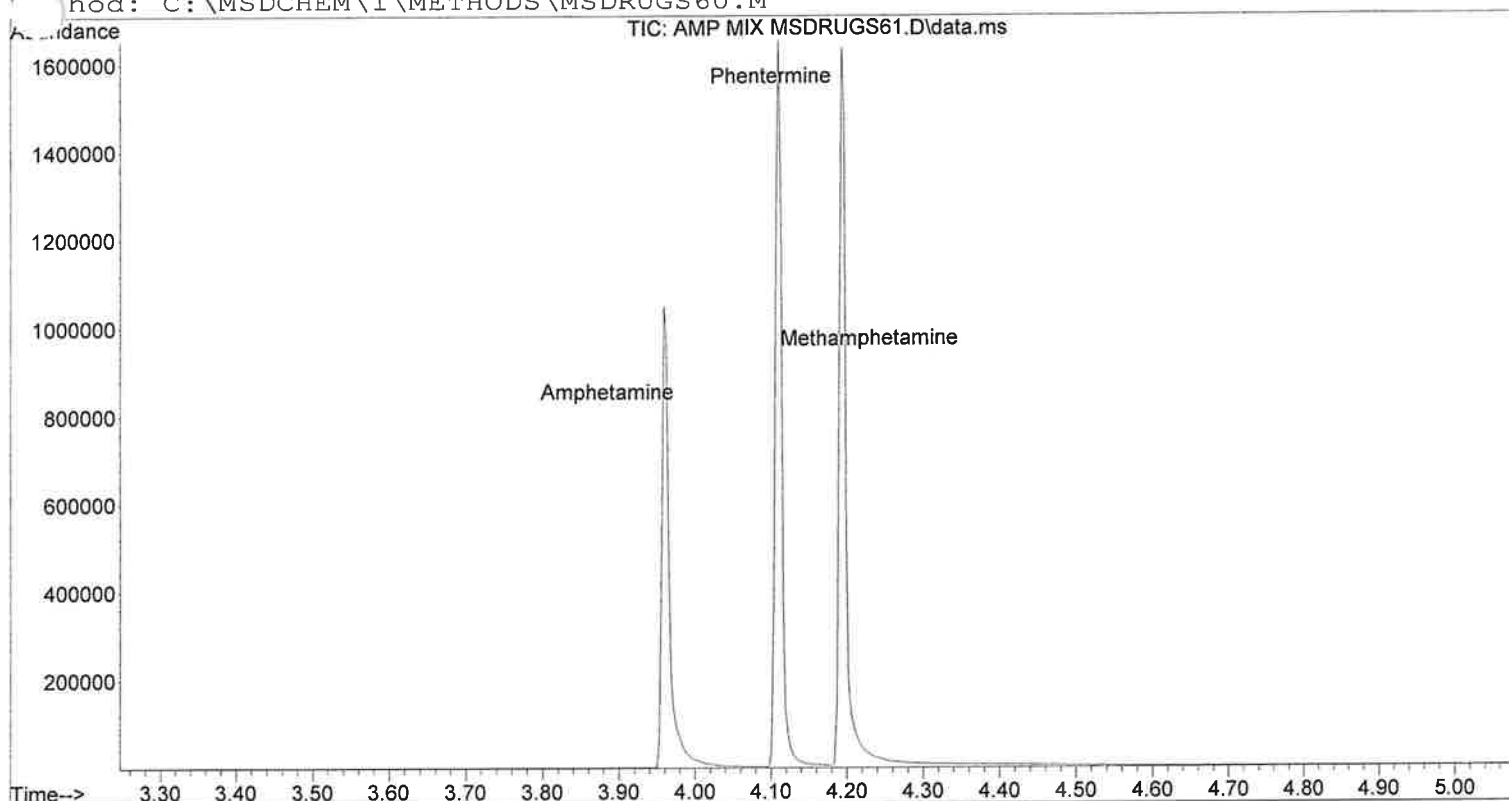
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0026 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 60 C for 3 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX MS DRUGS61.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 14:15
Information: Amphetamine. Methamphetamine, Phentermine Misc. Information: Chloro:
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



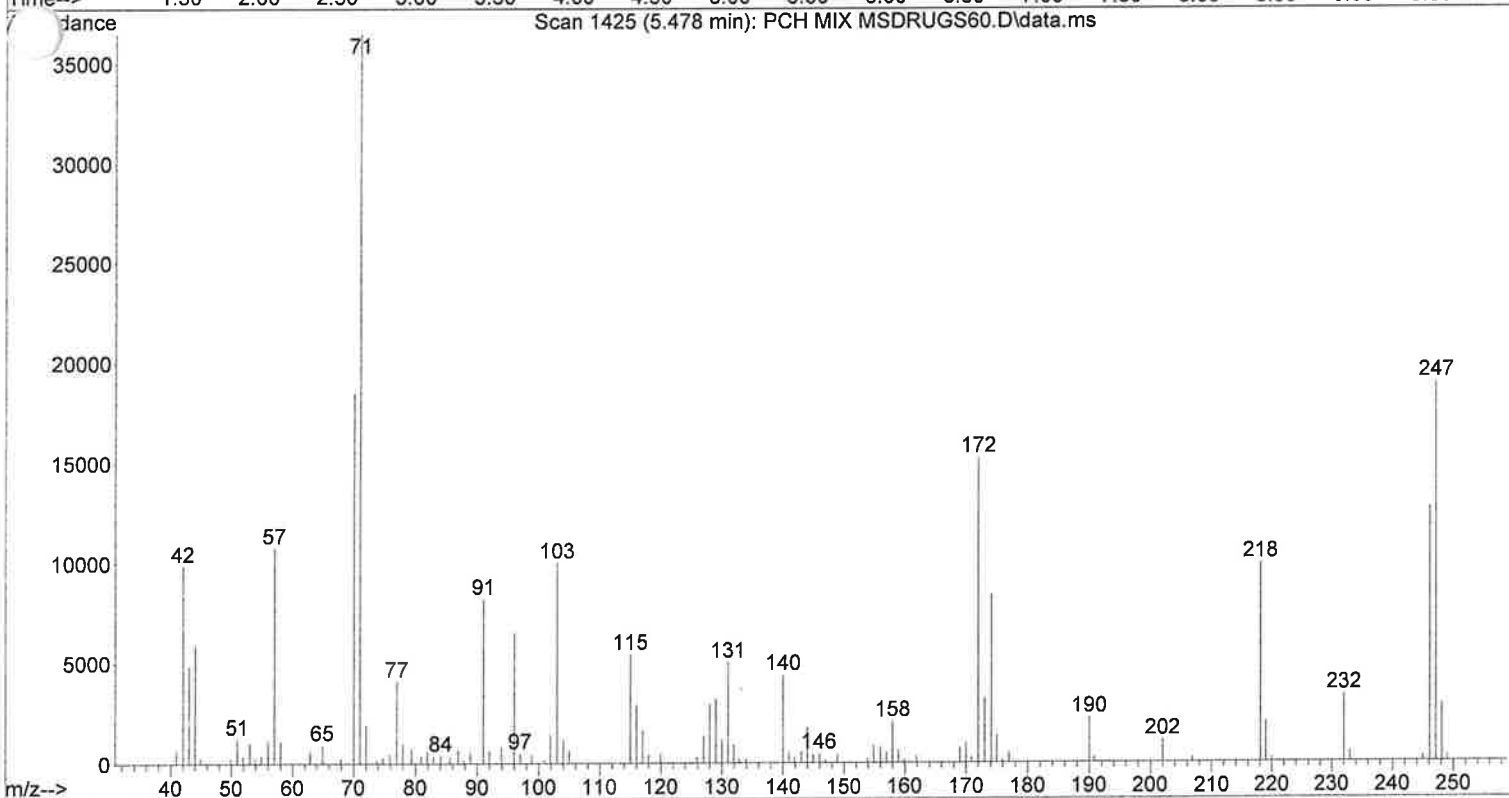
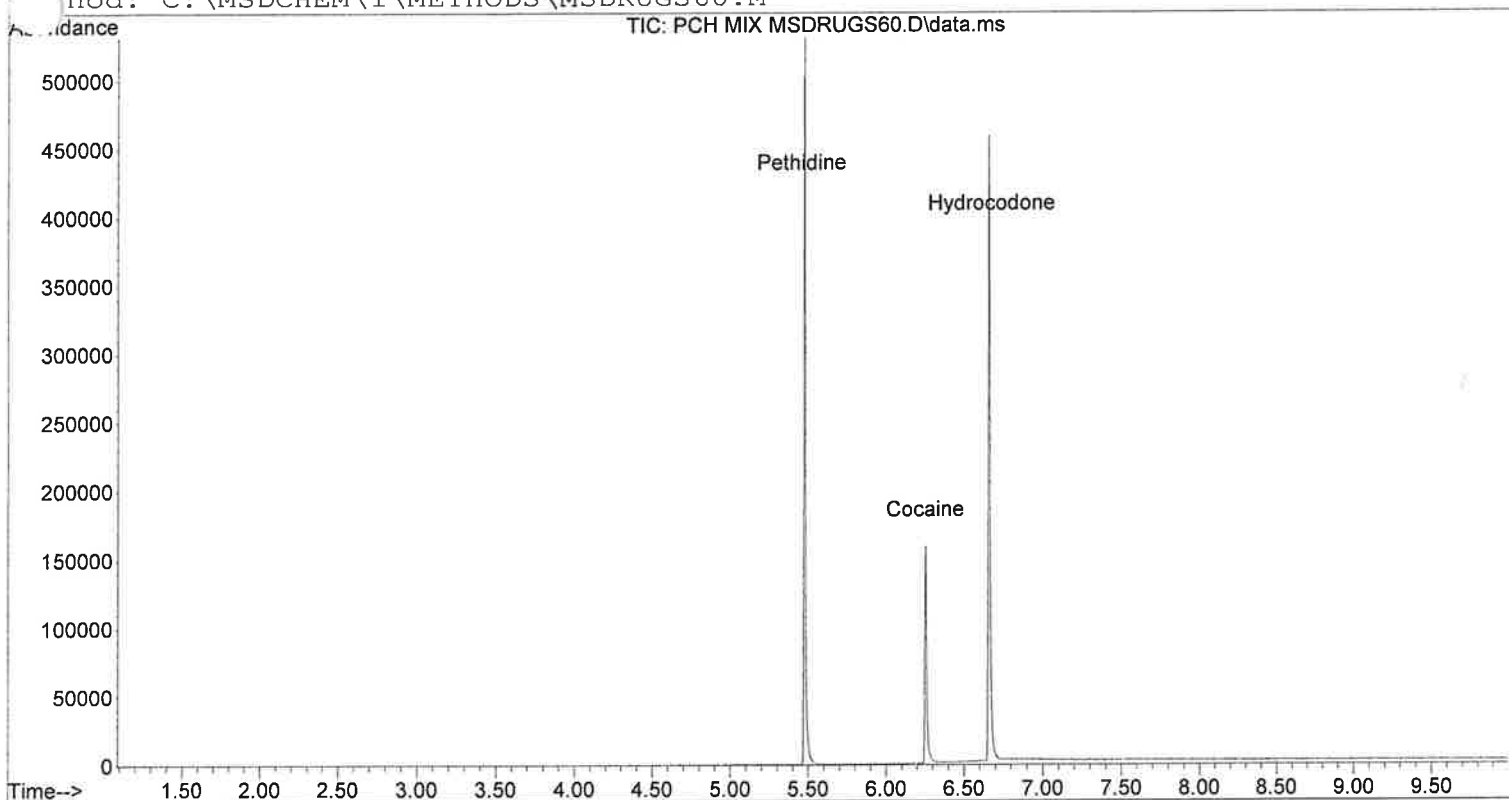
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0026 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 60 C for 3 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX MS DRUGS61.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 14:15
Information: Amphetamine. Methamphetamine, Phentermine Misc. Information: Chloro:
hod: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



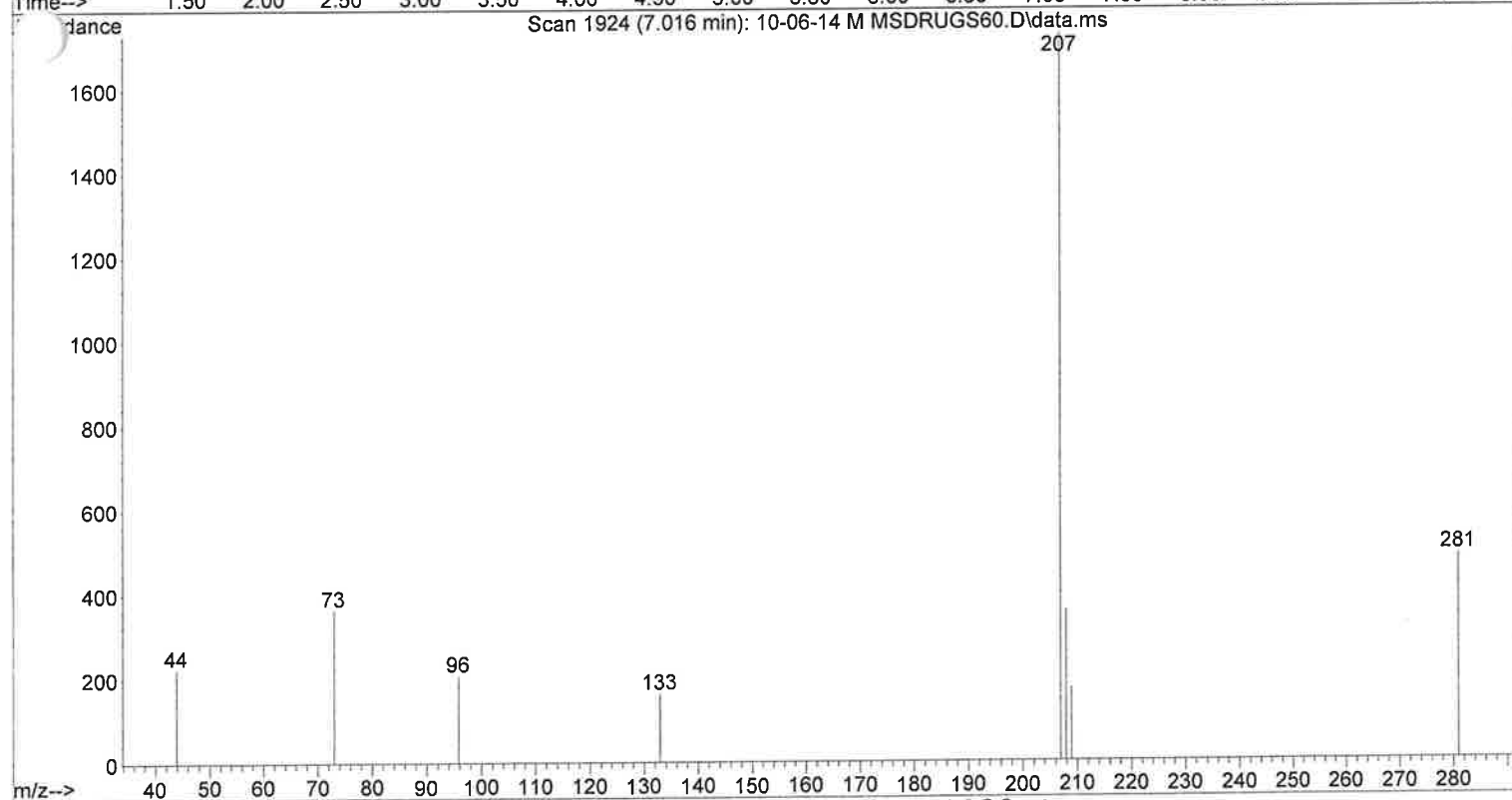
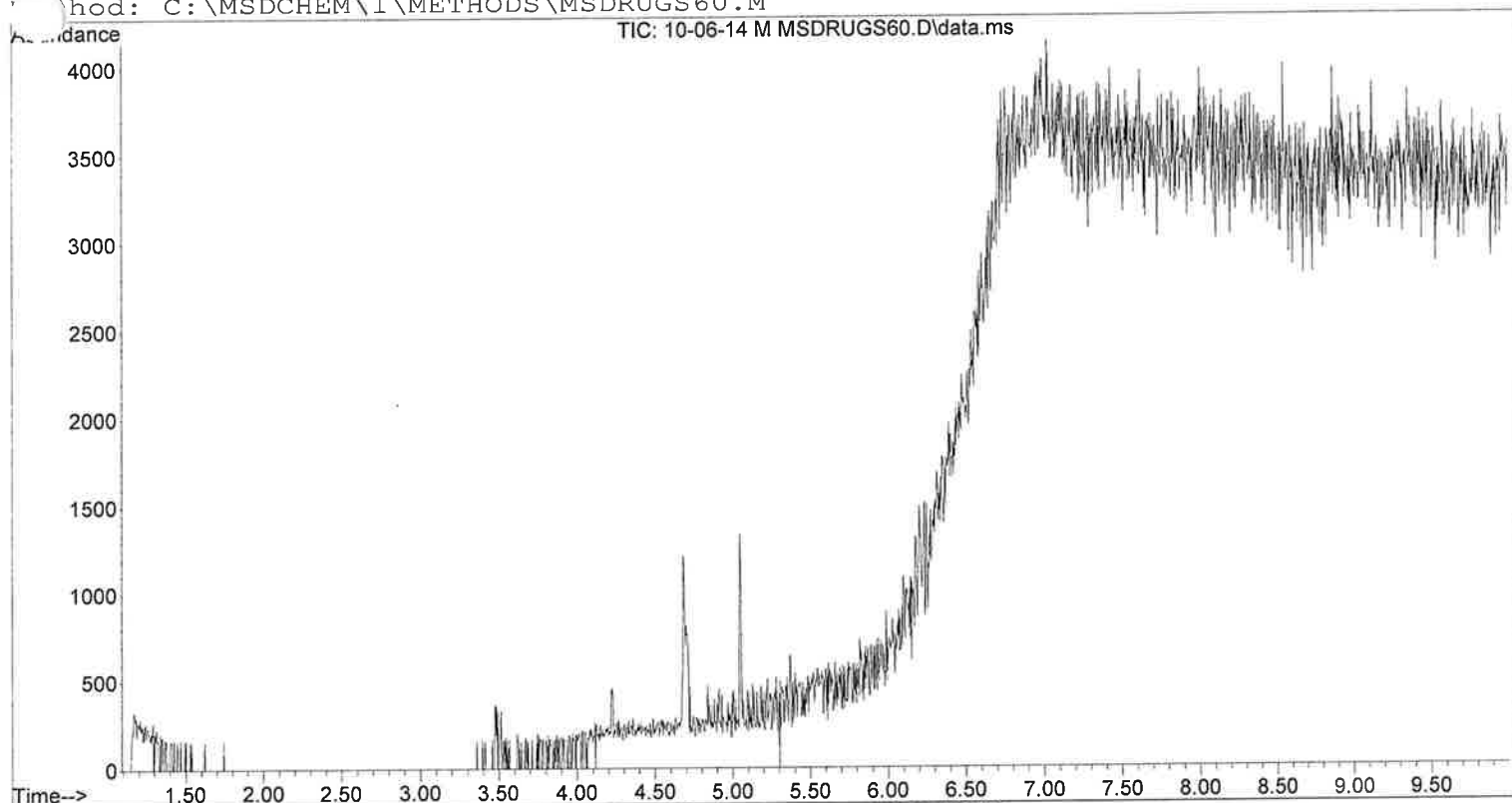
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0026 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 60 C for 3 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\PCH MIX MS DRUGS60.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 14:41
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 60-280°C
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



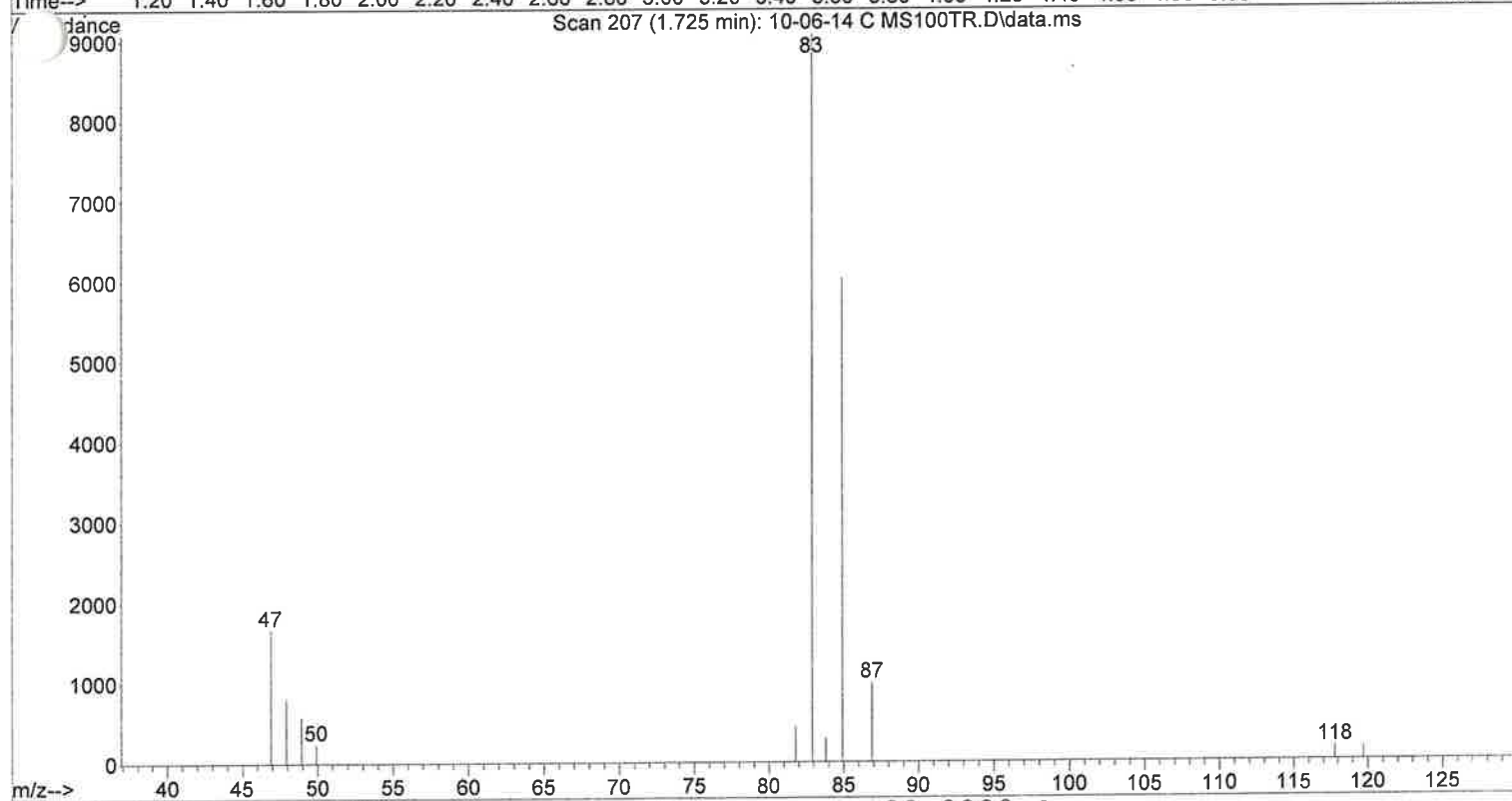
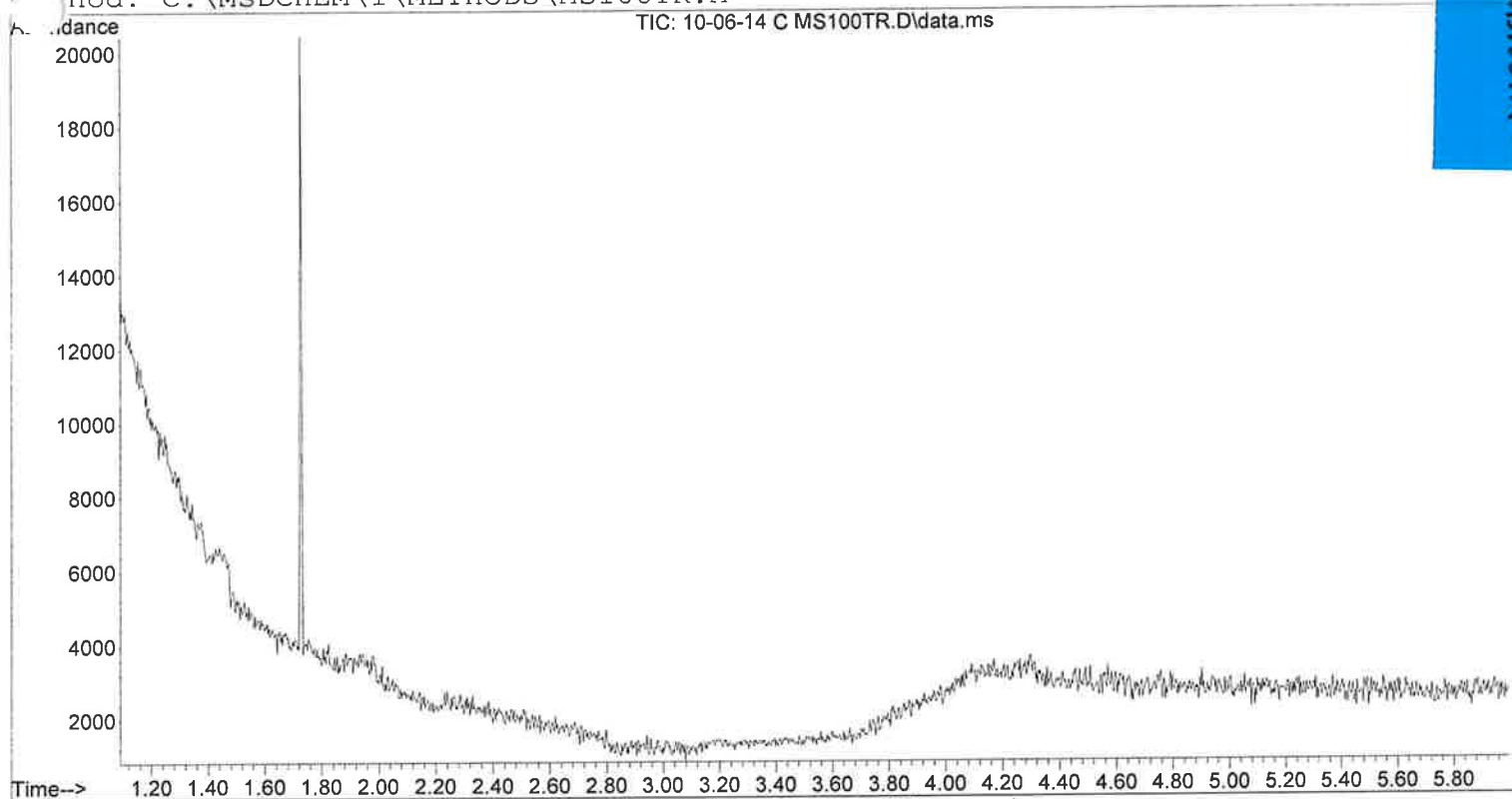
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0032 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 60 C for 3 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-06-14 M MSDRUGS60.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 14:28
Information: Methanol Blank Misc. Information: Methanol 60-280c @70c/min for 10 r
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



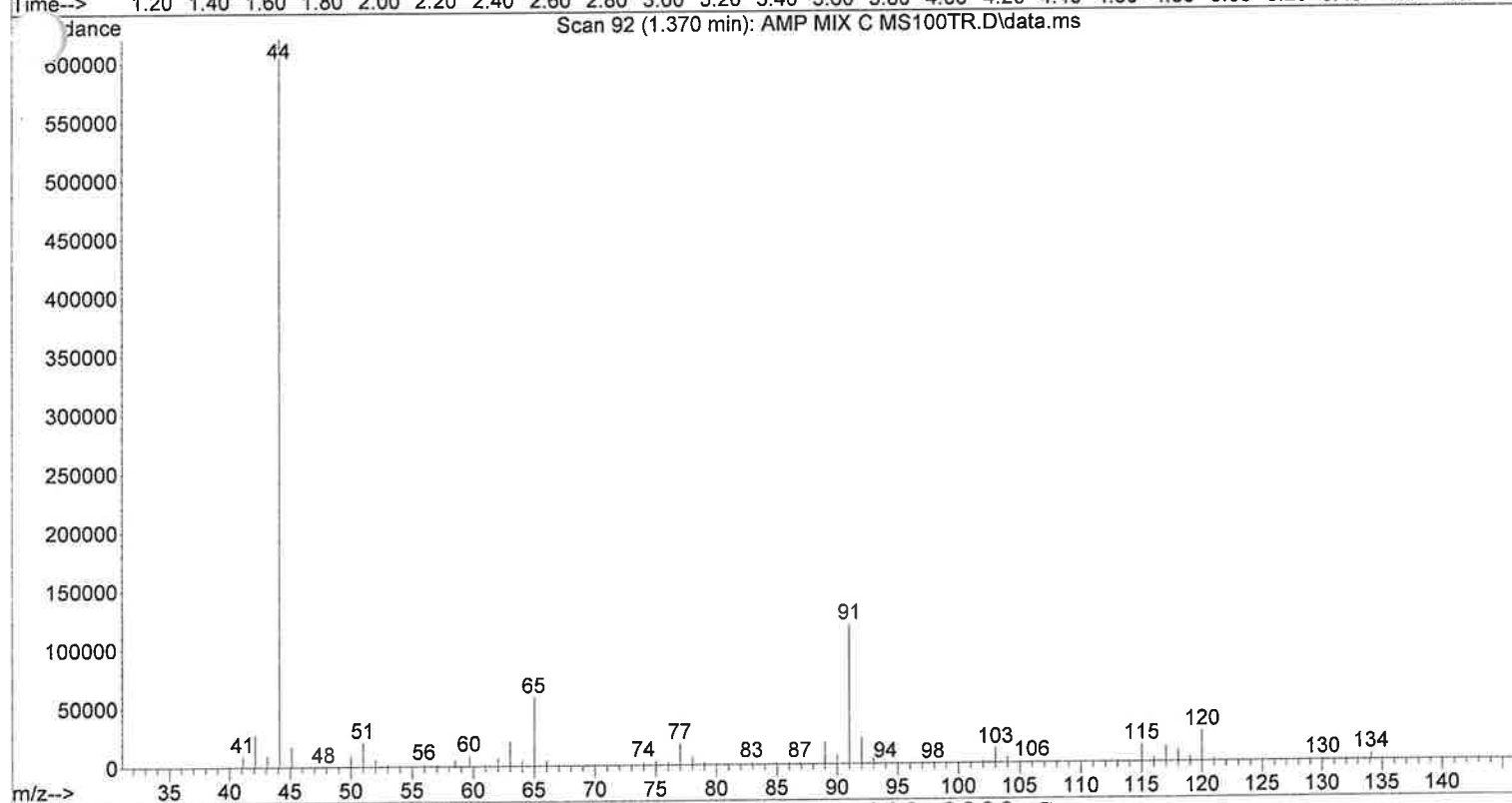
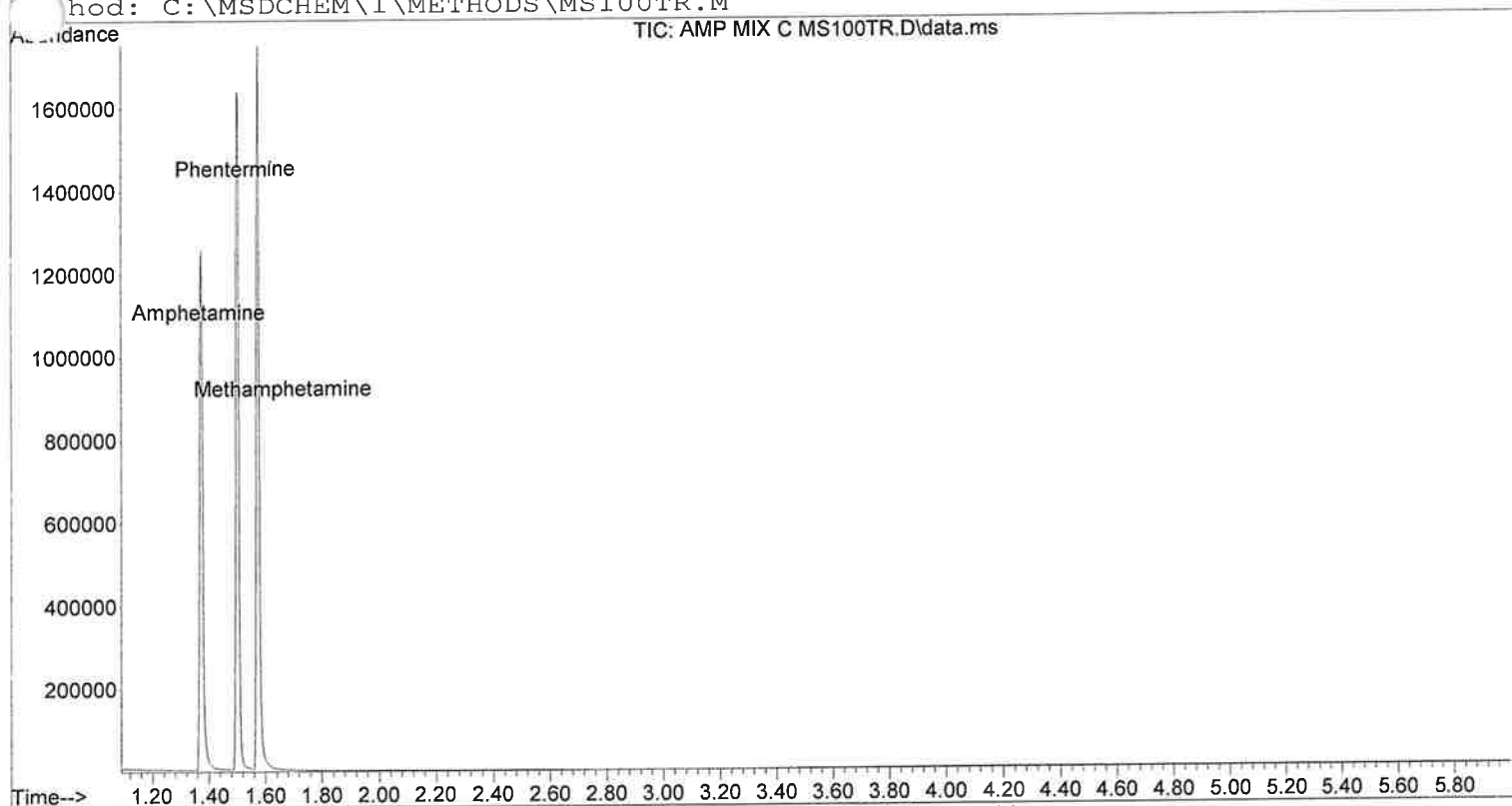
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0019 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 60 C for 3 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-06-14 C MS100TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 14:56
Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



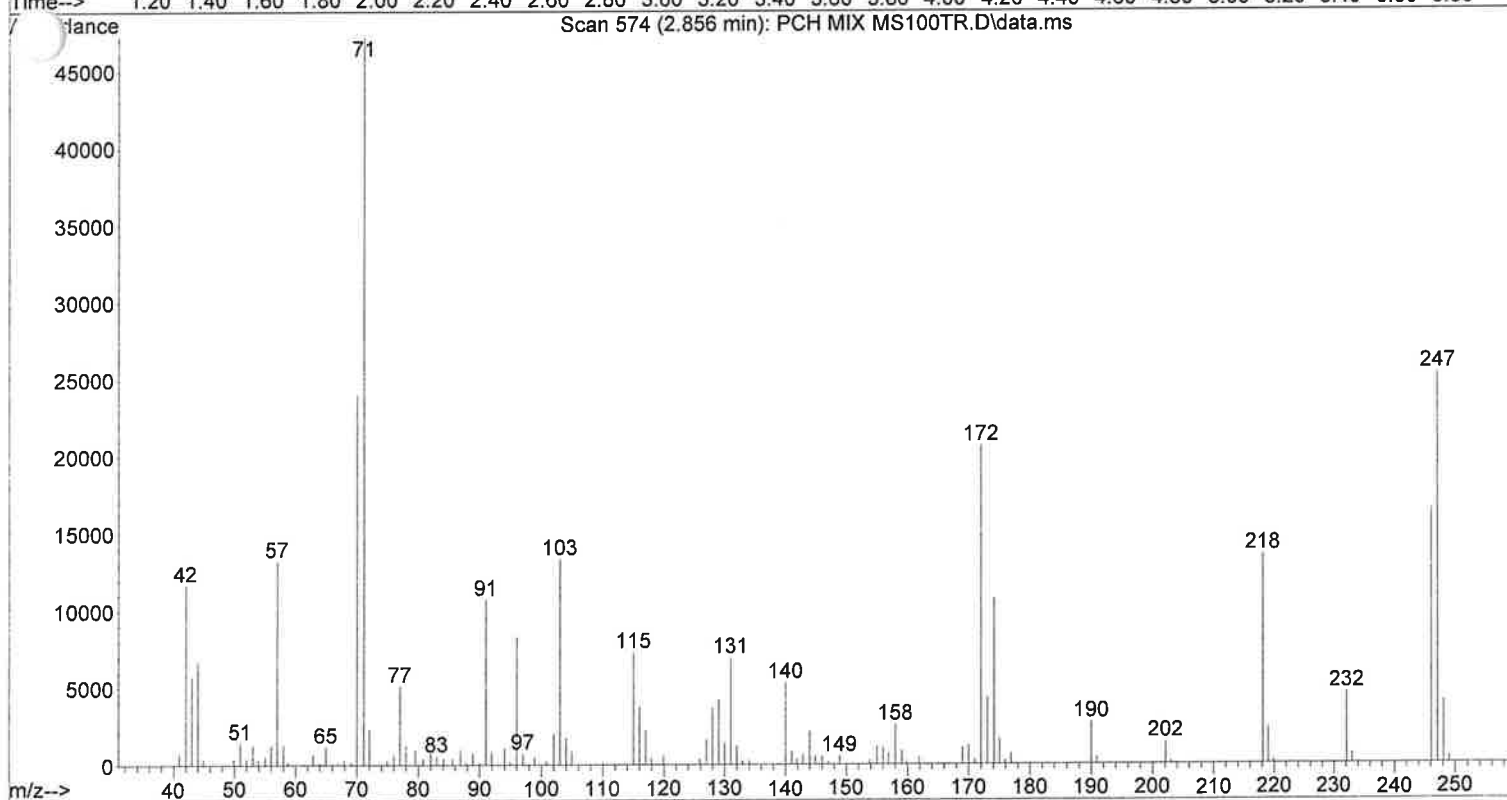
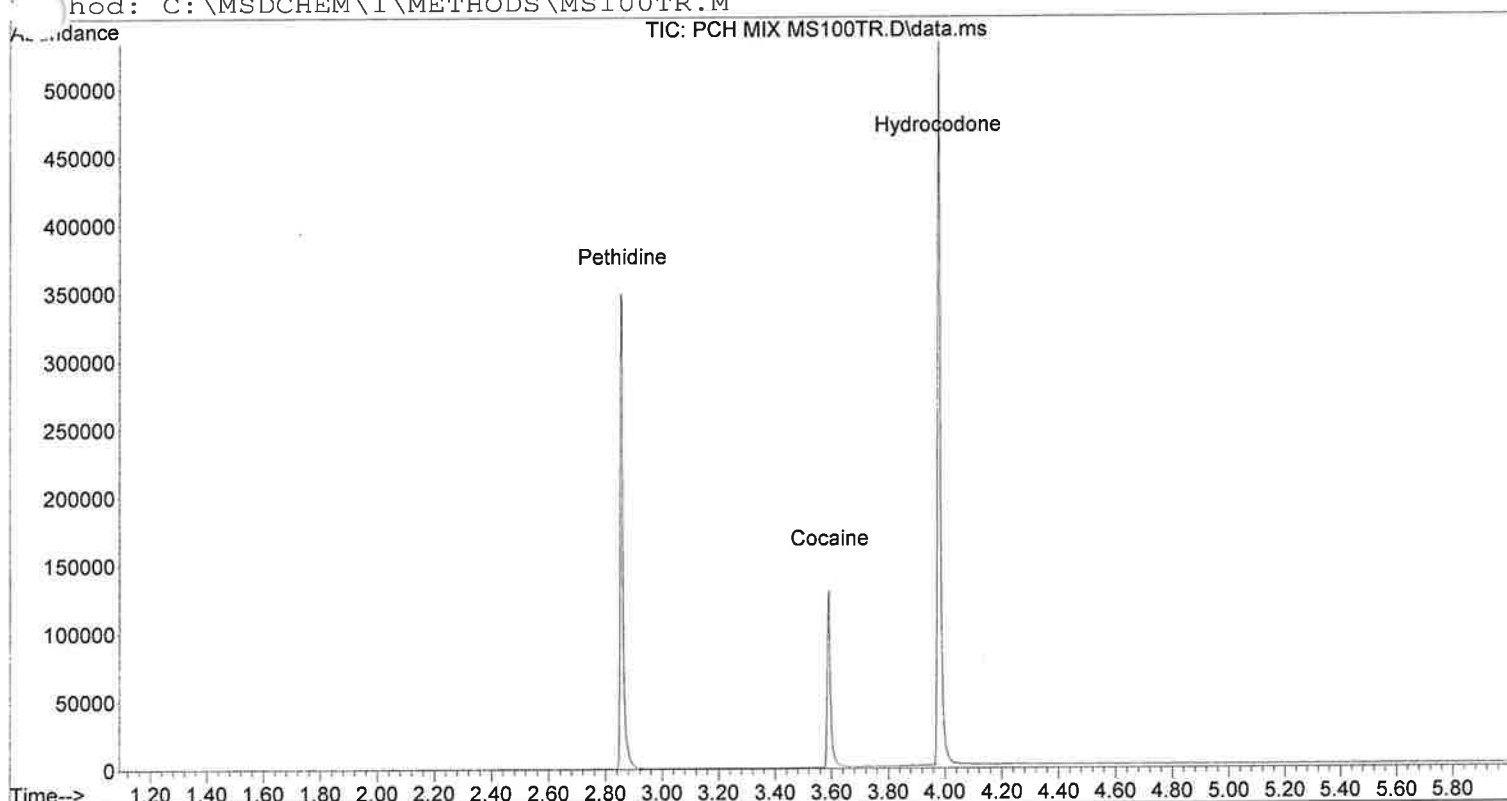
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0025 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX C MS100TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 15:03
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloro:
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



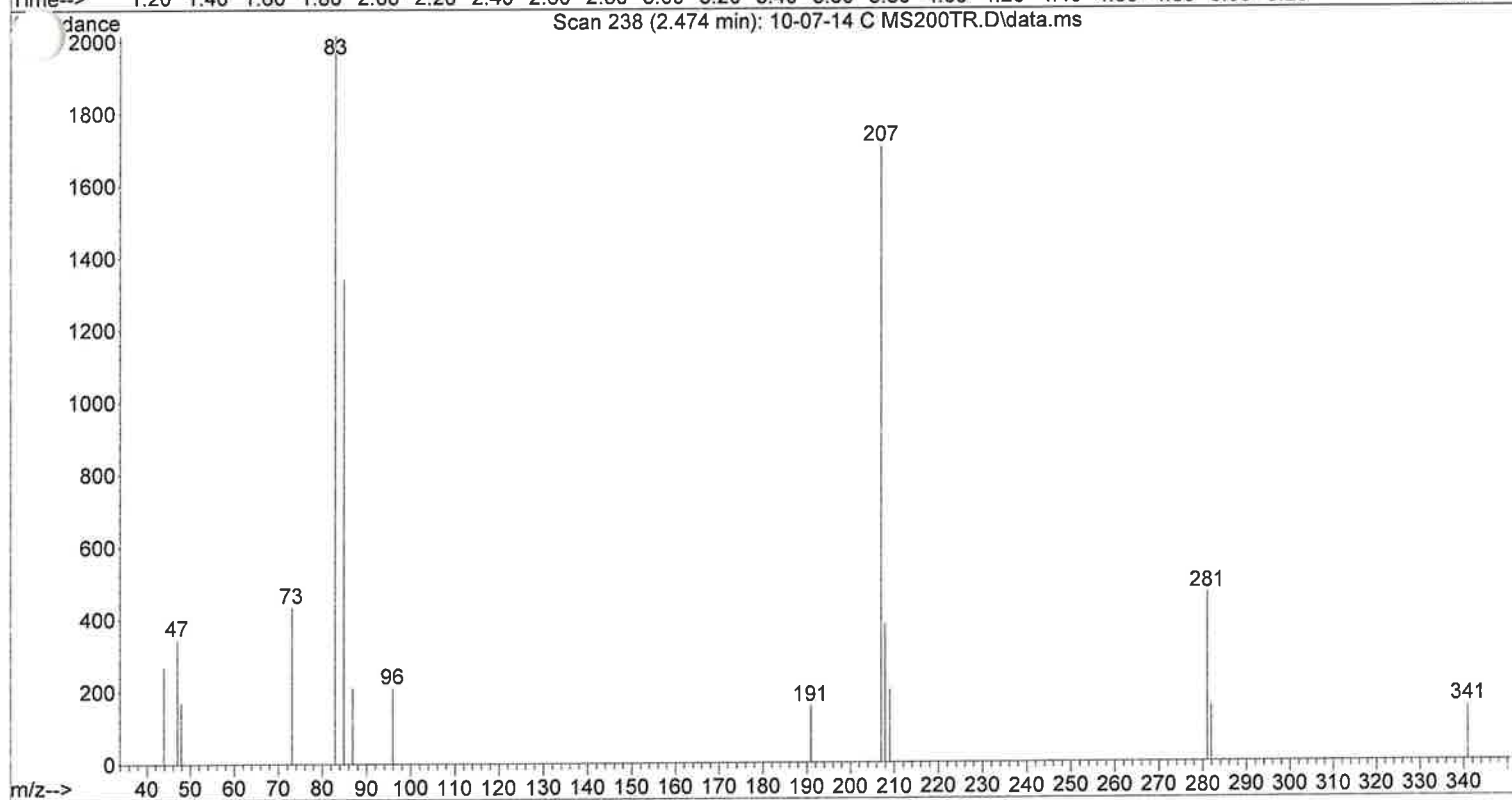
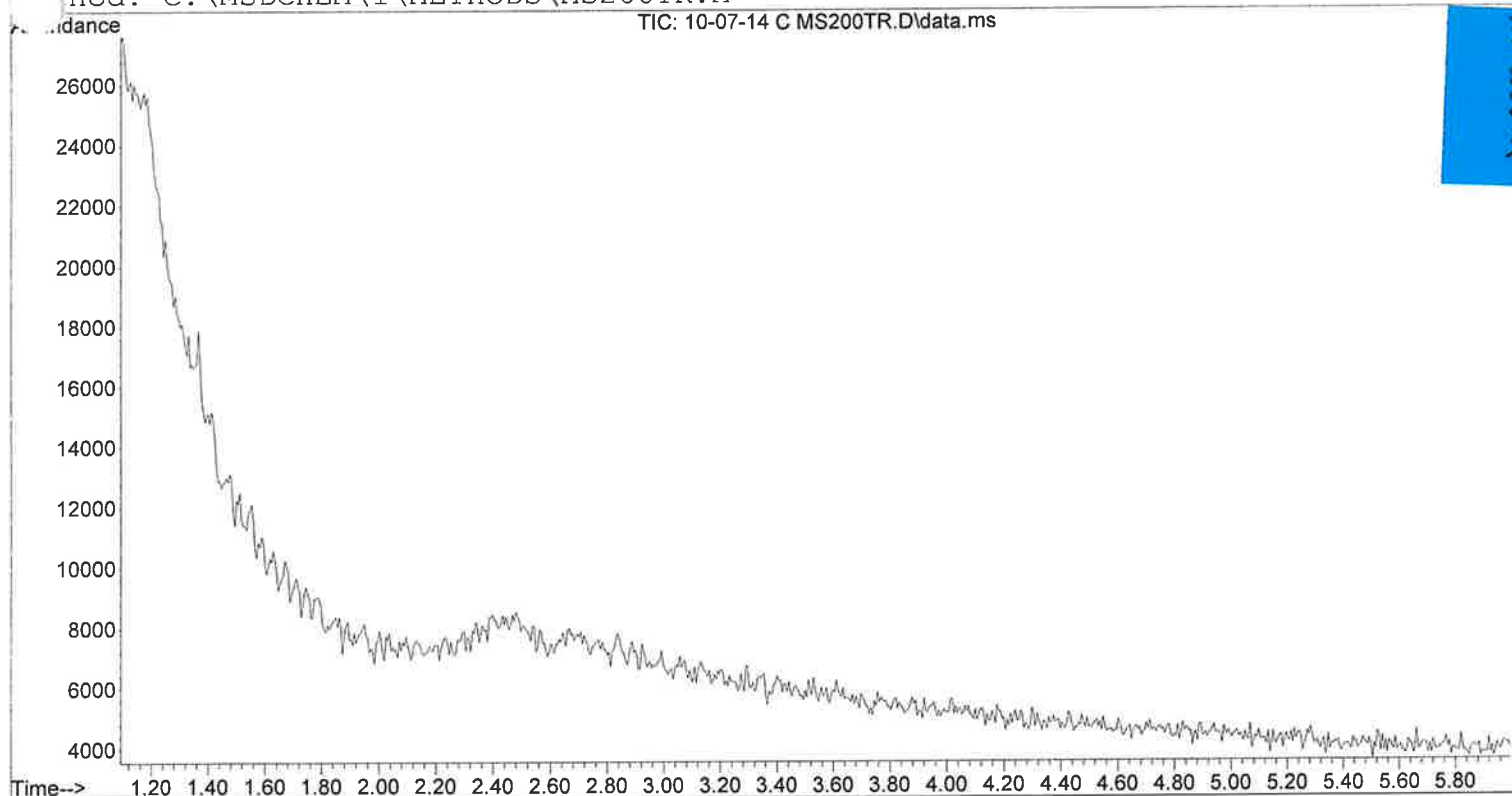
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0025 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\PCH MIX MS100TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 15:19
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



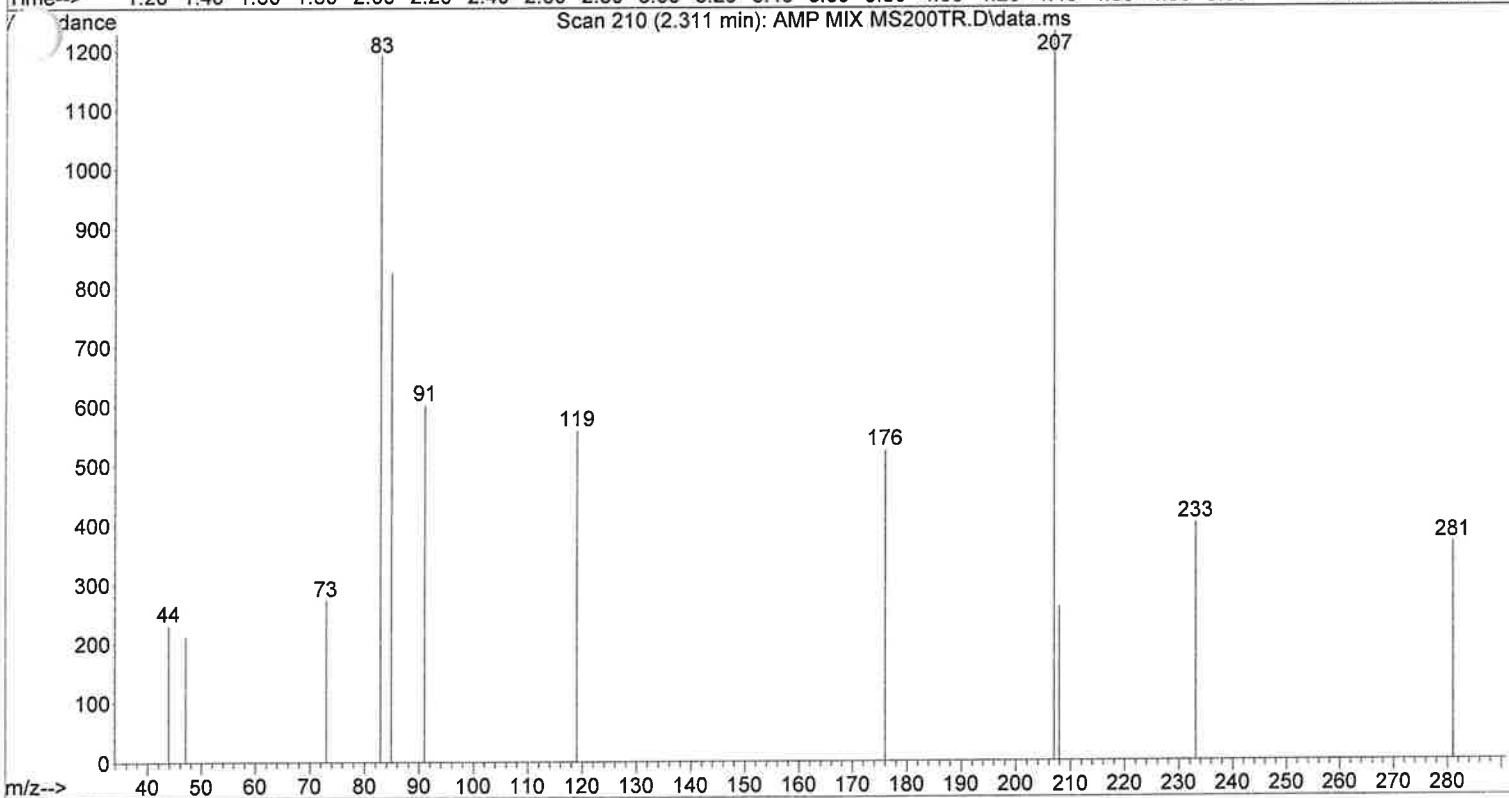
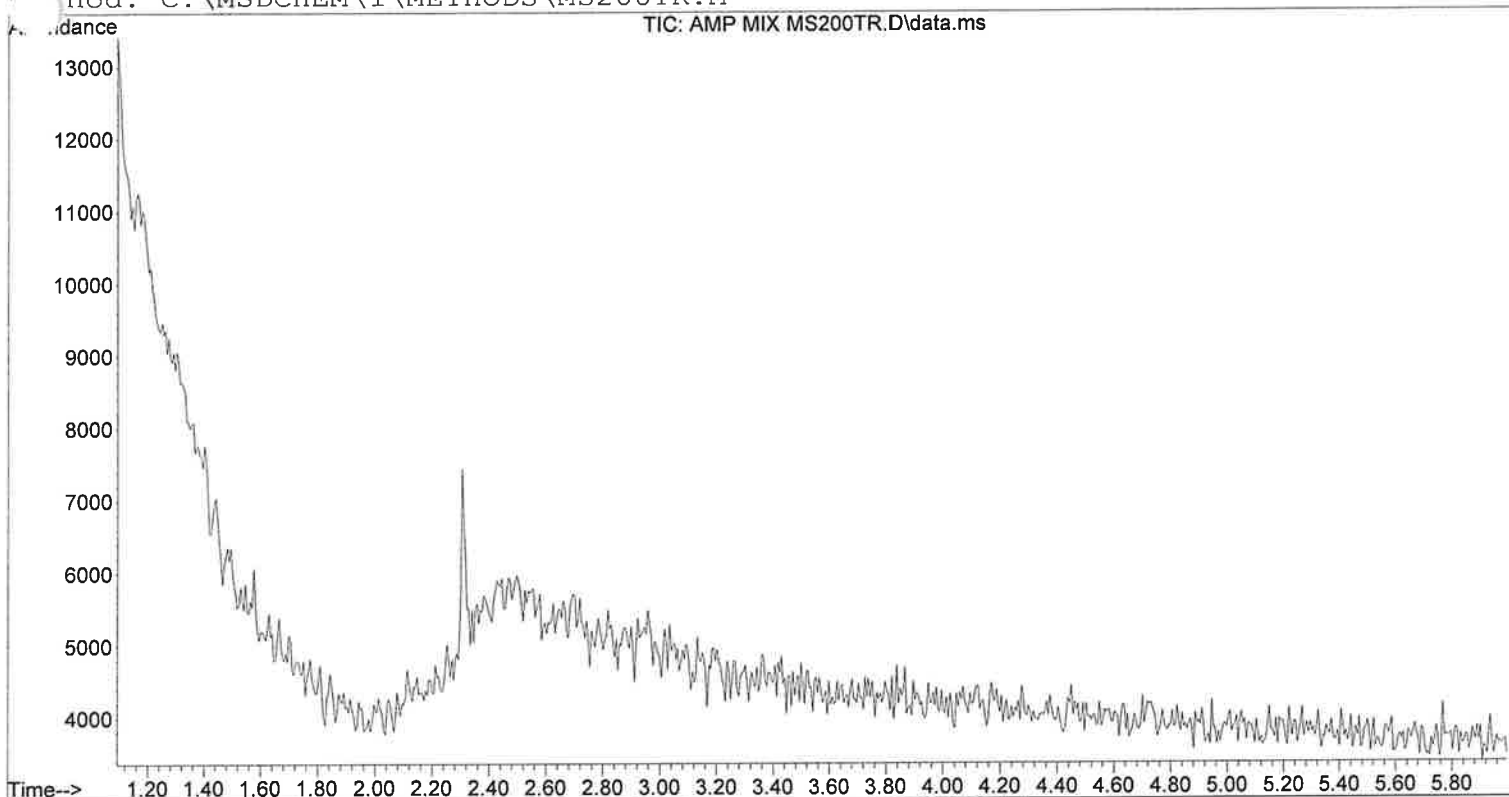
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0025 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 C MS200TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 7 Oct 2014 12:16
Information: Chloroform Blank Misc. Information: Chloroform 200 -280c @70c/min
Method: C:\MSDCHEM\1\METHODS\MS200TR.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0025 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX MS200TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 7 Oct 2014 12:25
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloro:
hod: C:\MSDCHEM\1\METHODS\MS200TR.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C

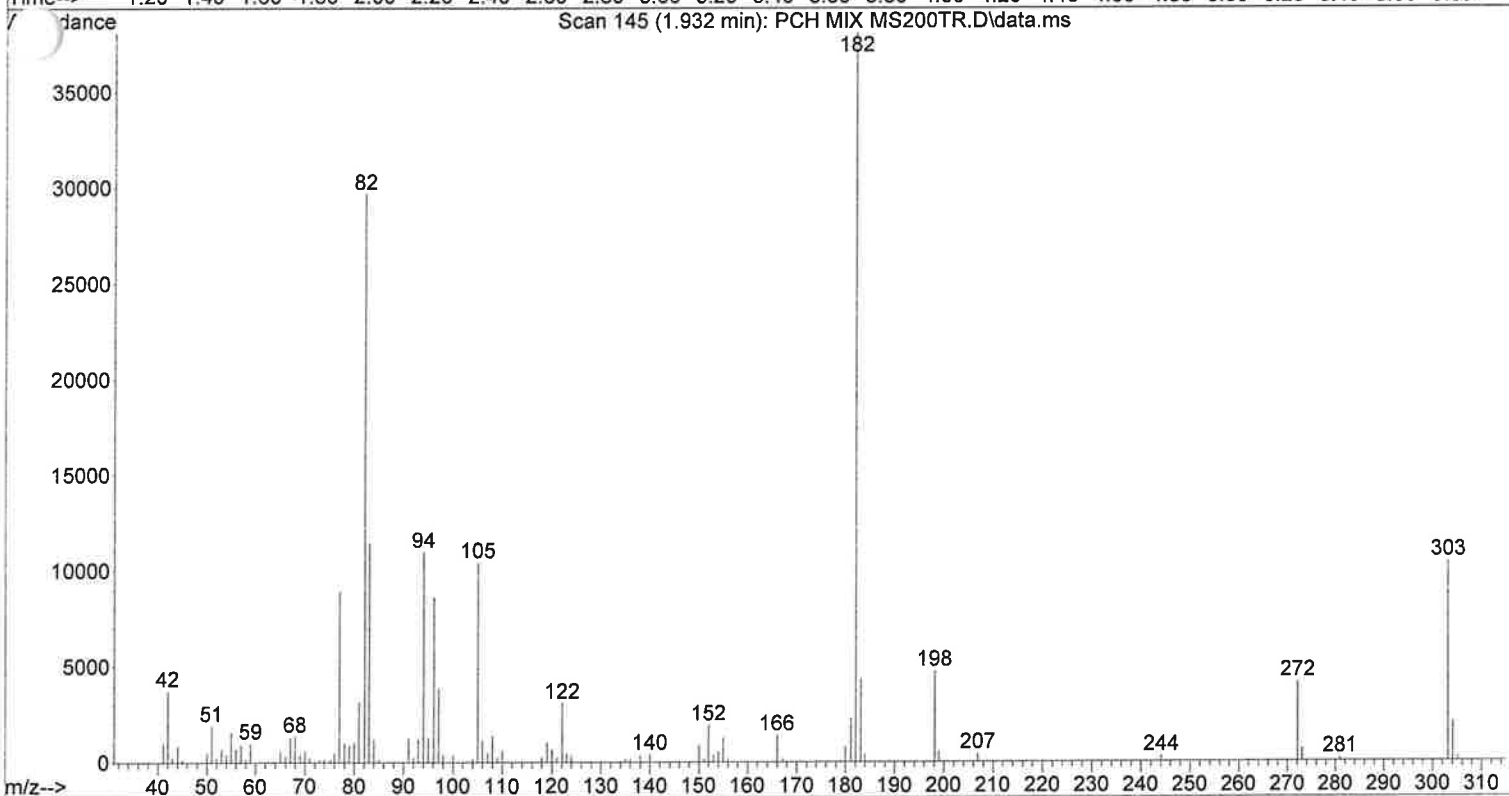
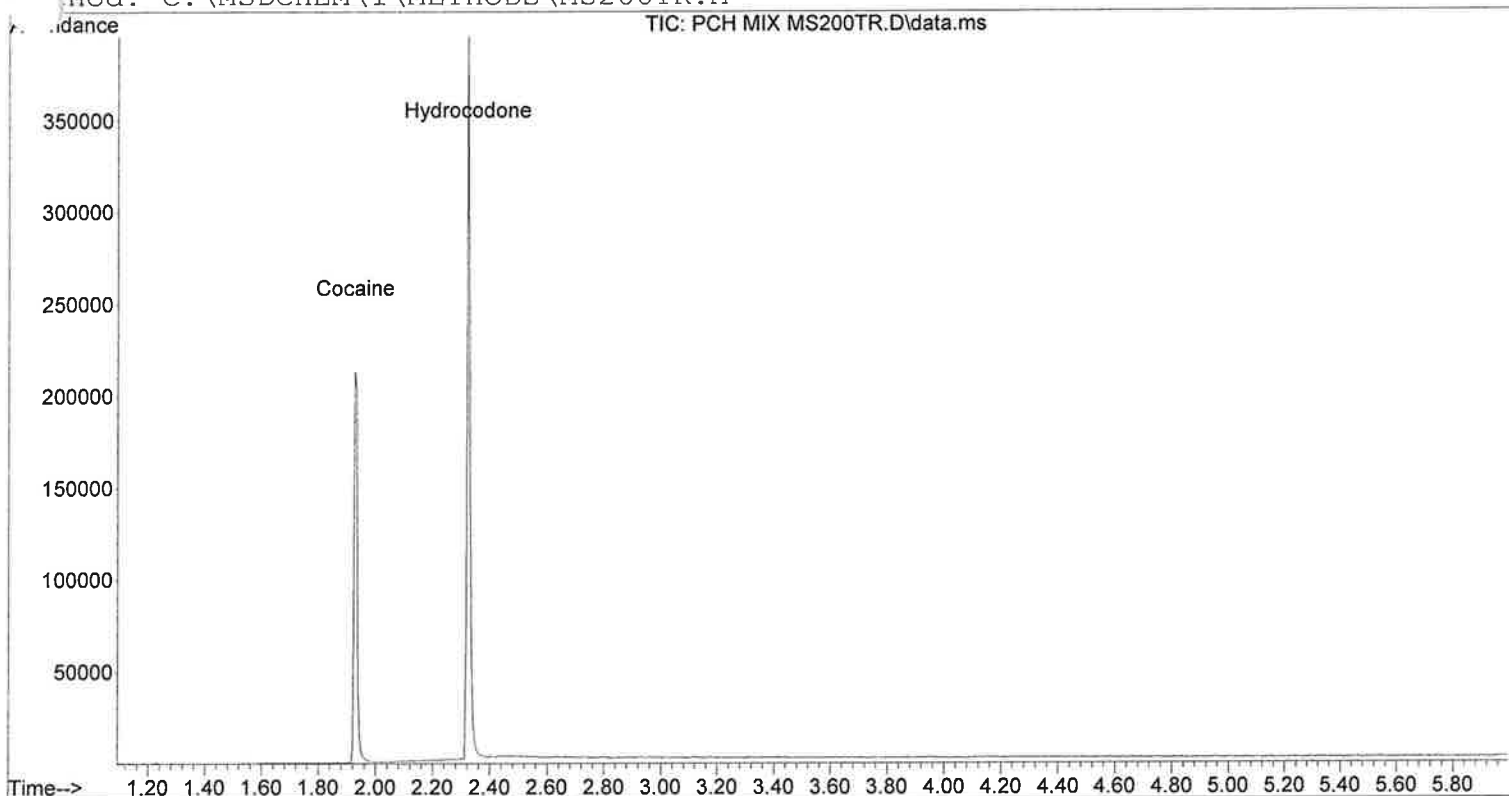
Split Ratio = 120.0000 Column Flow = 1.0032 mL/min

Column is a 12.5 meter 19091S-602

Scanned from 40.00 amu to 550.00 amu

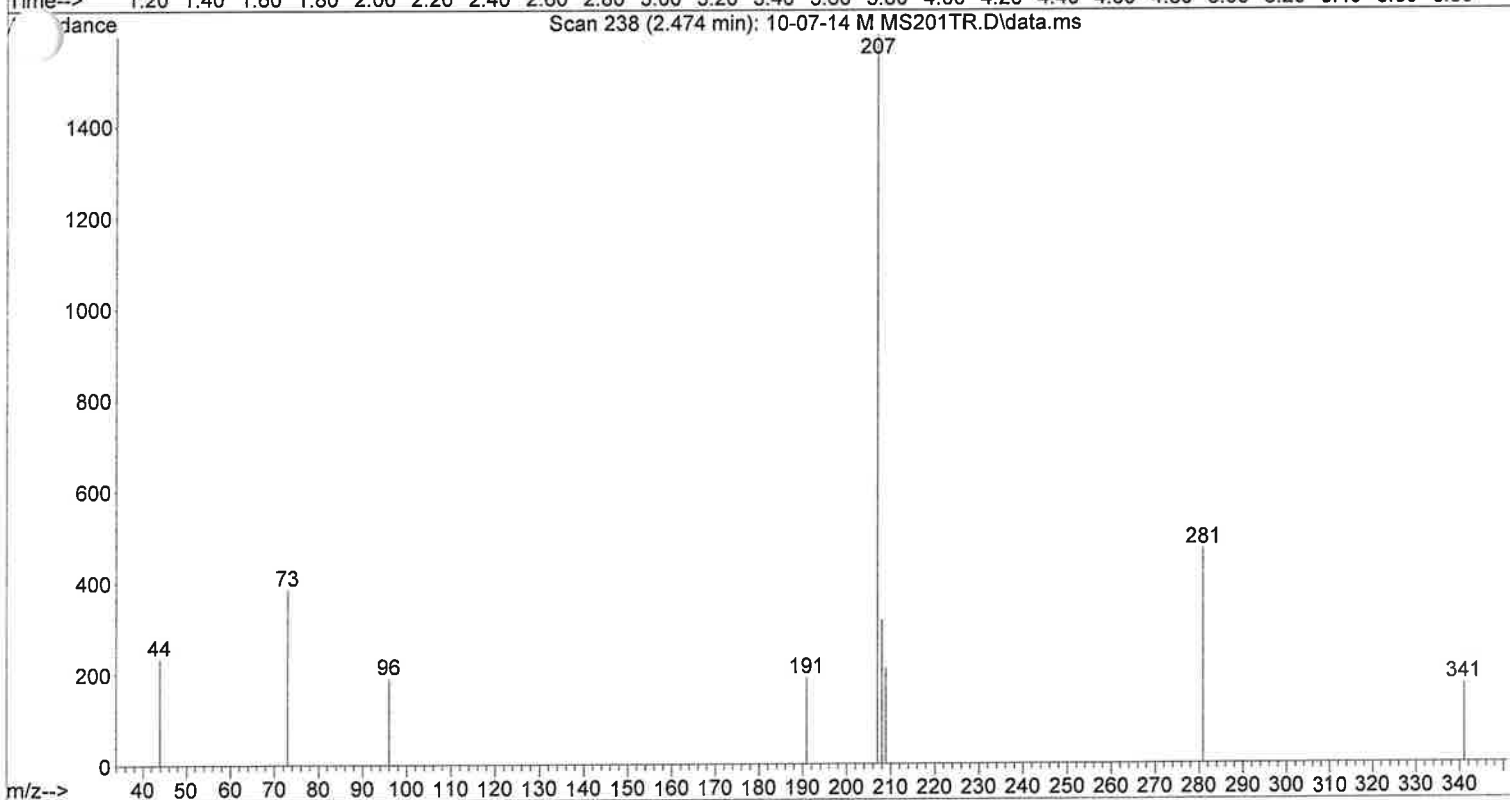
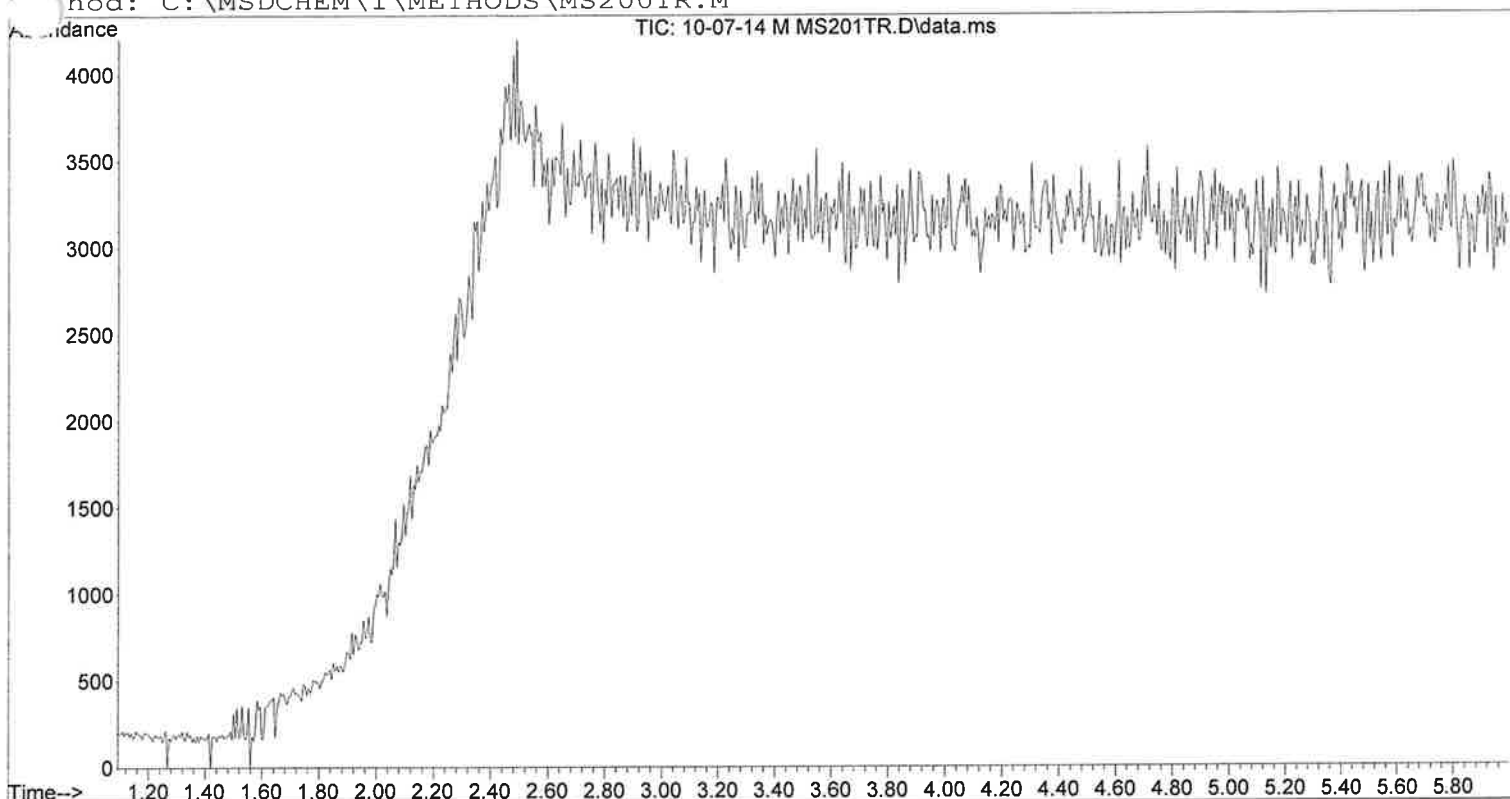
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\PCH MIX MS200TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 7 Oct 2014 12:43
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 200 -28
Method: C:\MSDCHEM\1\METHODS\MS200TR.M



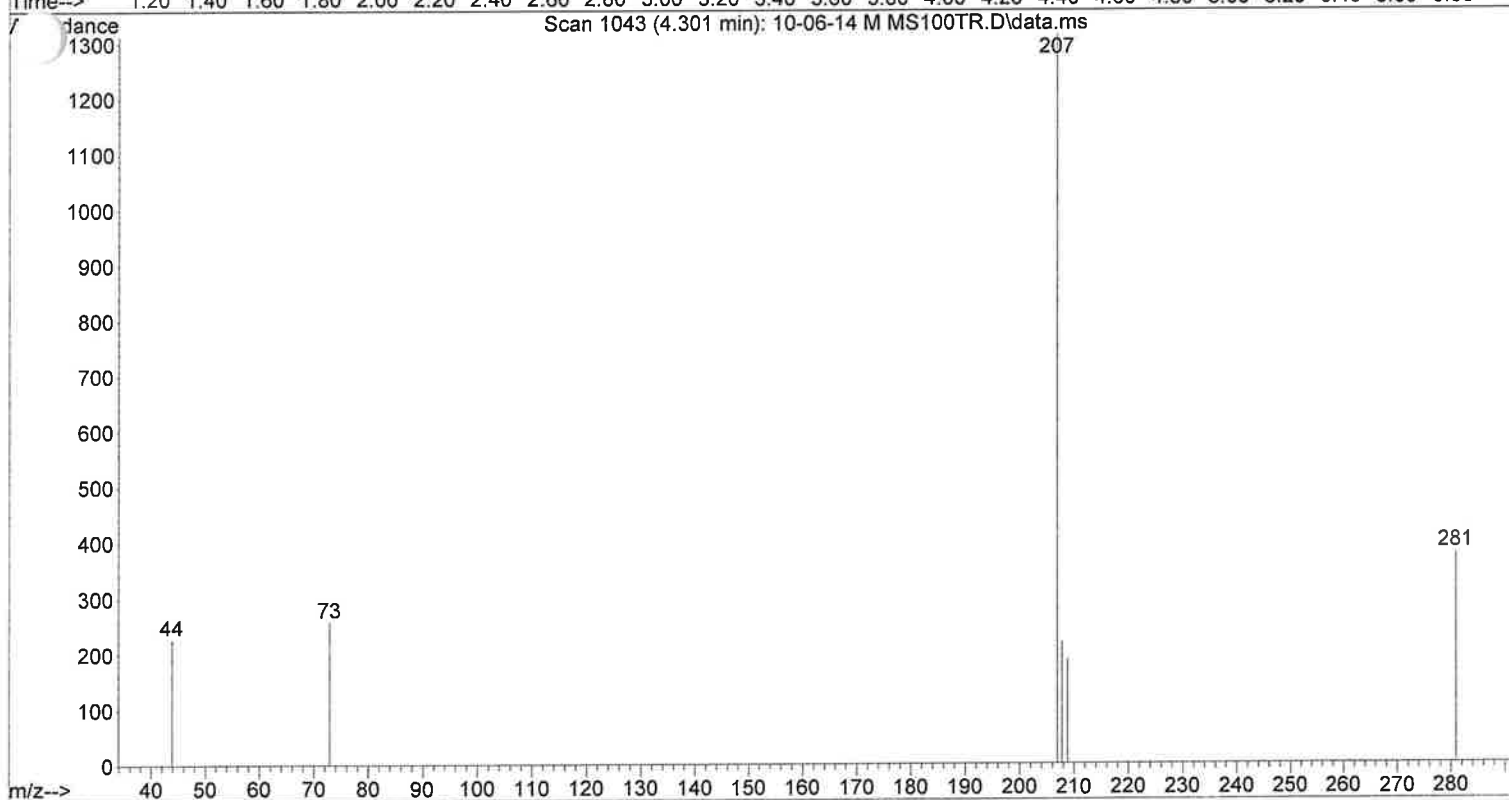
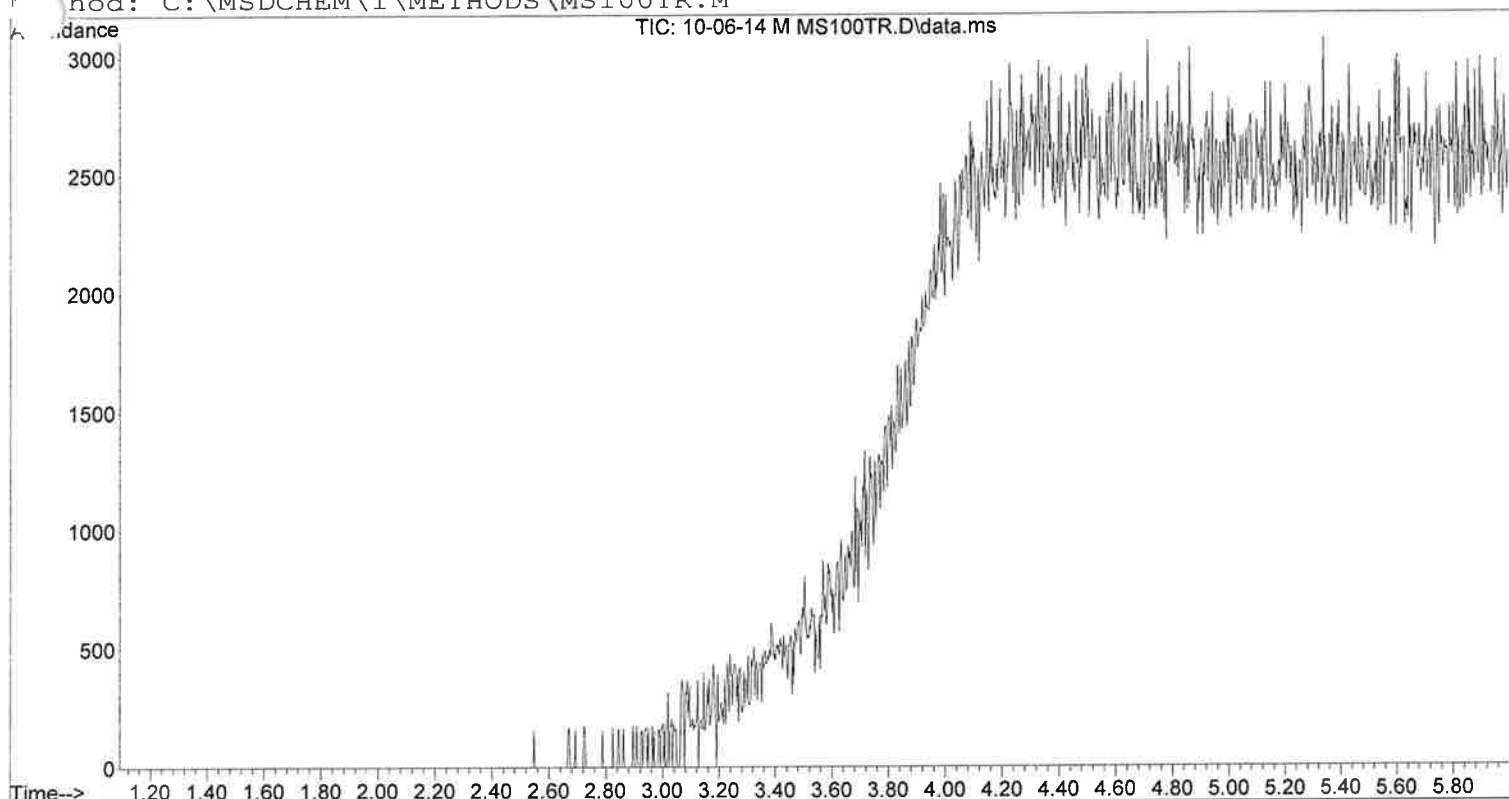
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0030 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 M MS201TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 7 Oct 2014 12:36
Information: Methanol Blank Misc. Information: Methanol 200 -280c @70c/min for ()
Method: C:\MSDCHEM\1\METHODS\MS200TR.M



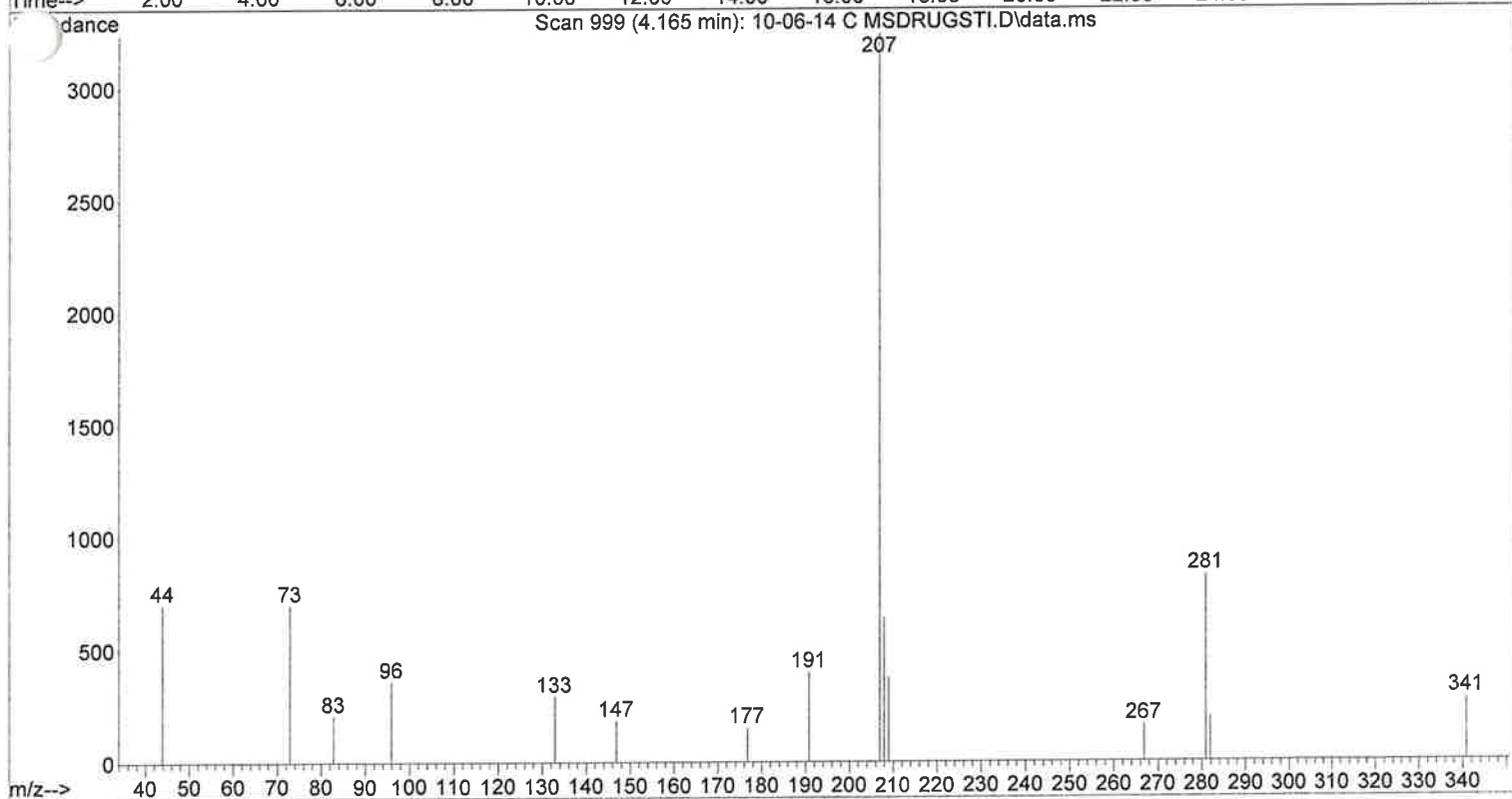
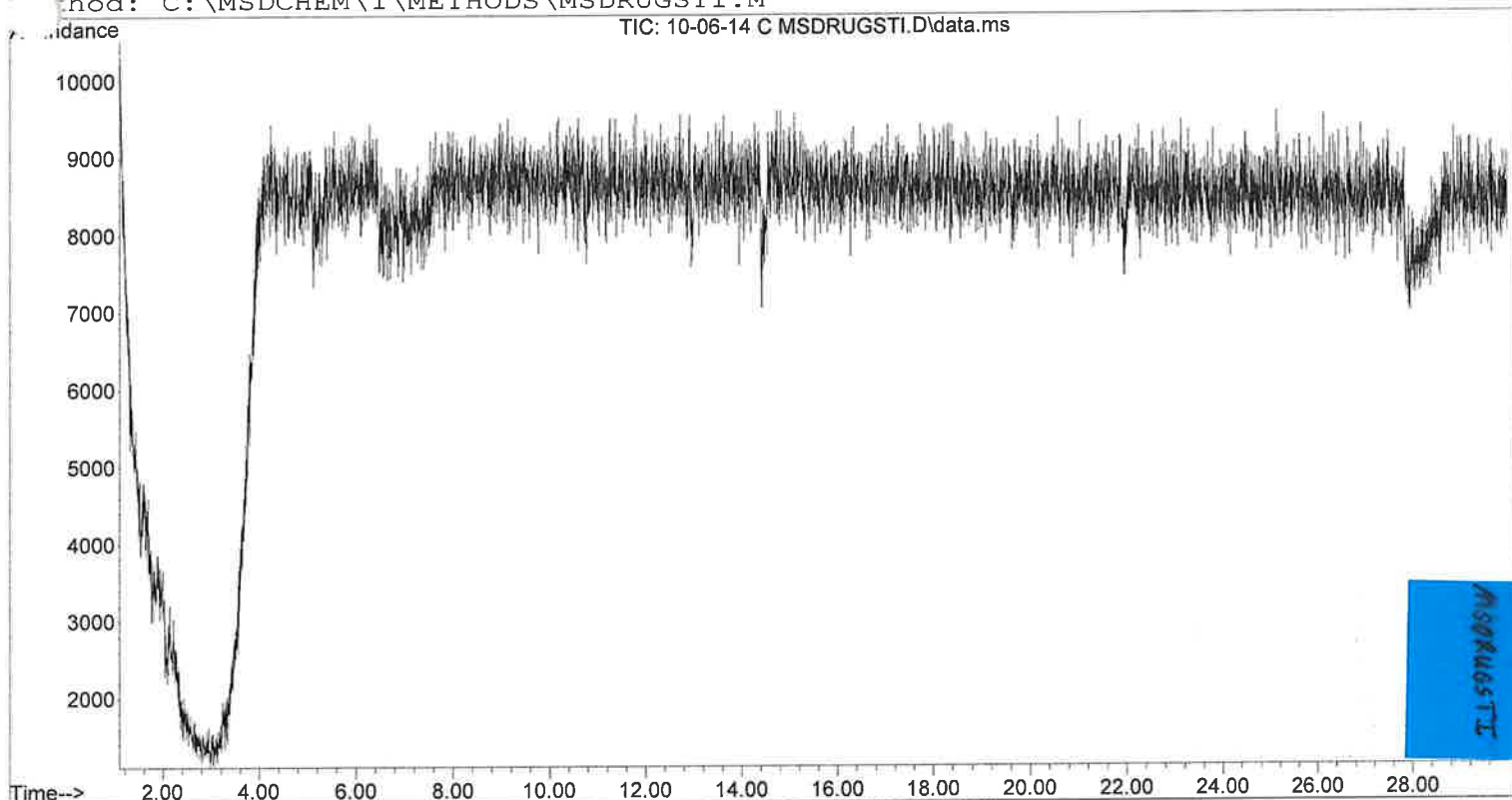
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0006 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-06-14 M MS100TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 6 Oct 2014 1:08 pm
Acquired by Lela Jackson on 6 Oct 2014 15:11
Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 6
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



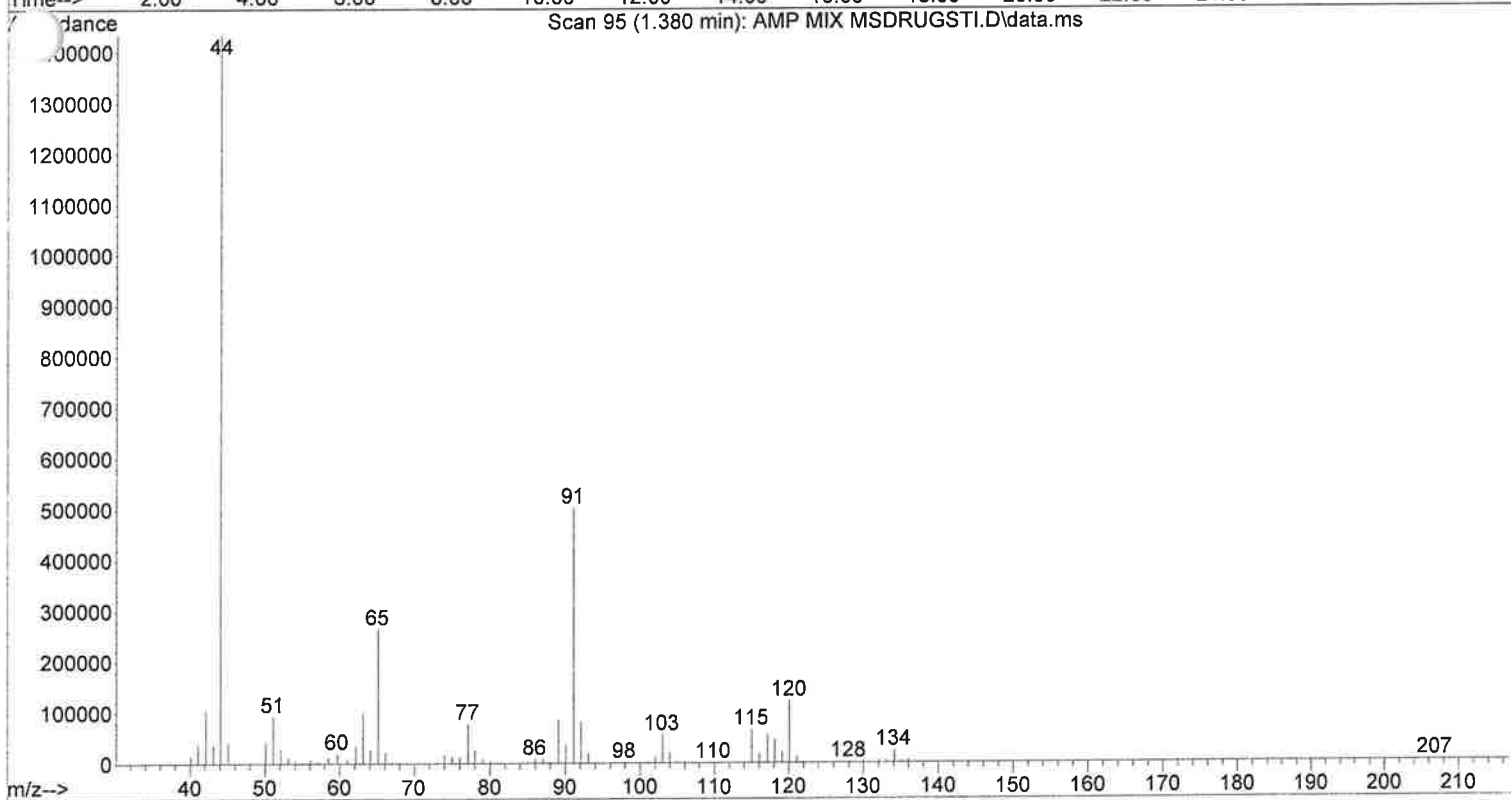
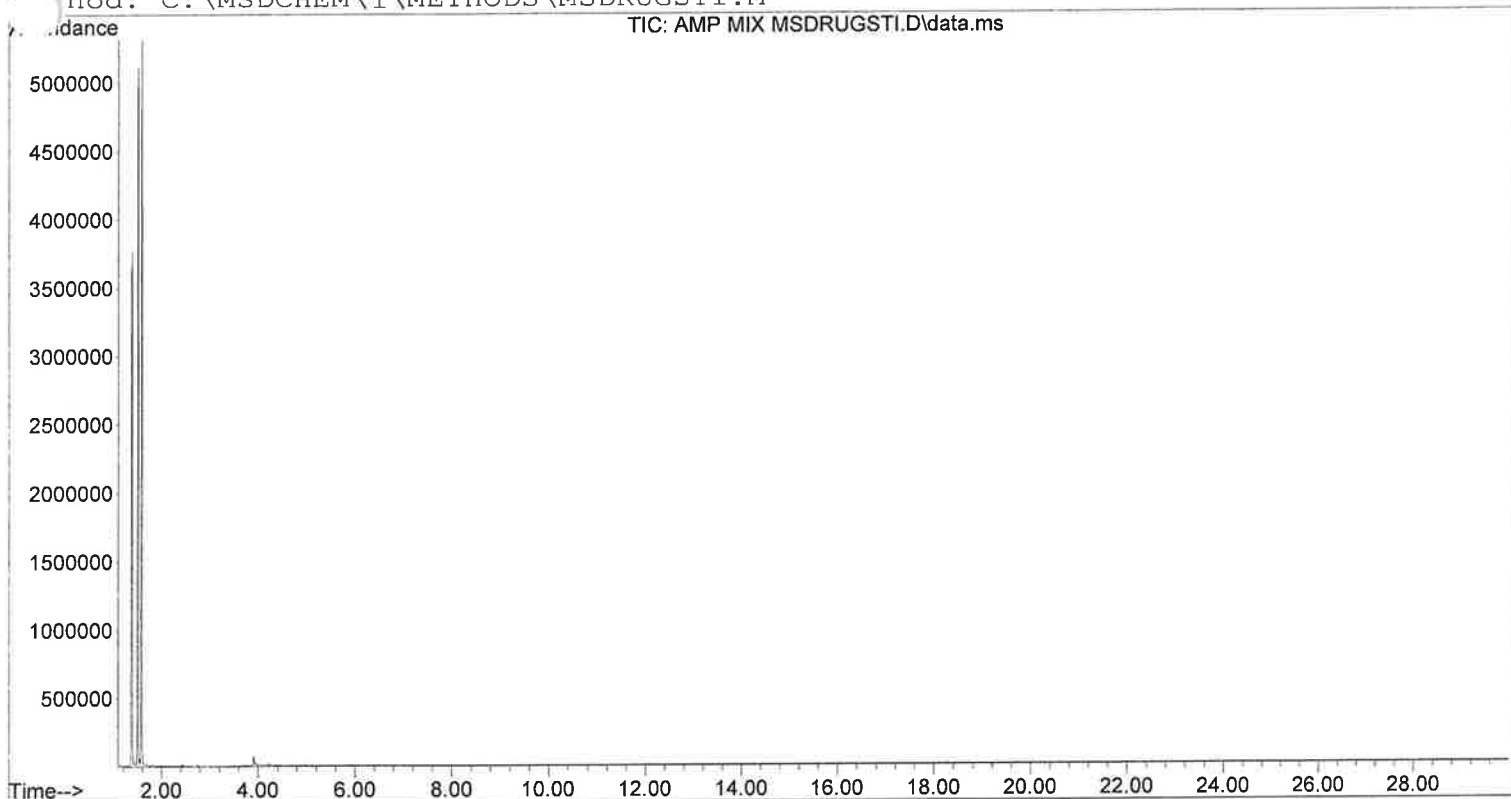
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0012 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-06-14 C MS DRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by Lela Jackson on 6 Oct 2014 7:59
Information: Chloroform Blank Misc. Information: Chloroform 100-280c@70c/min for
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



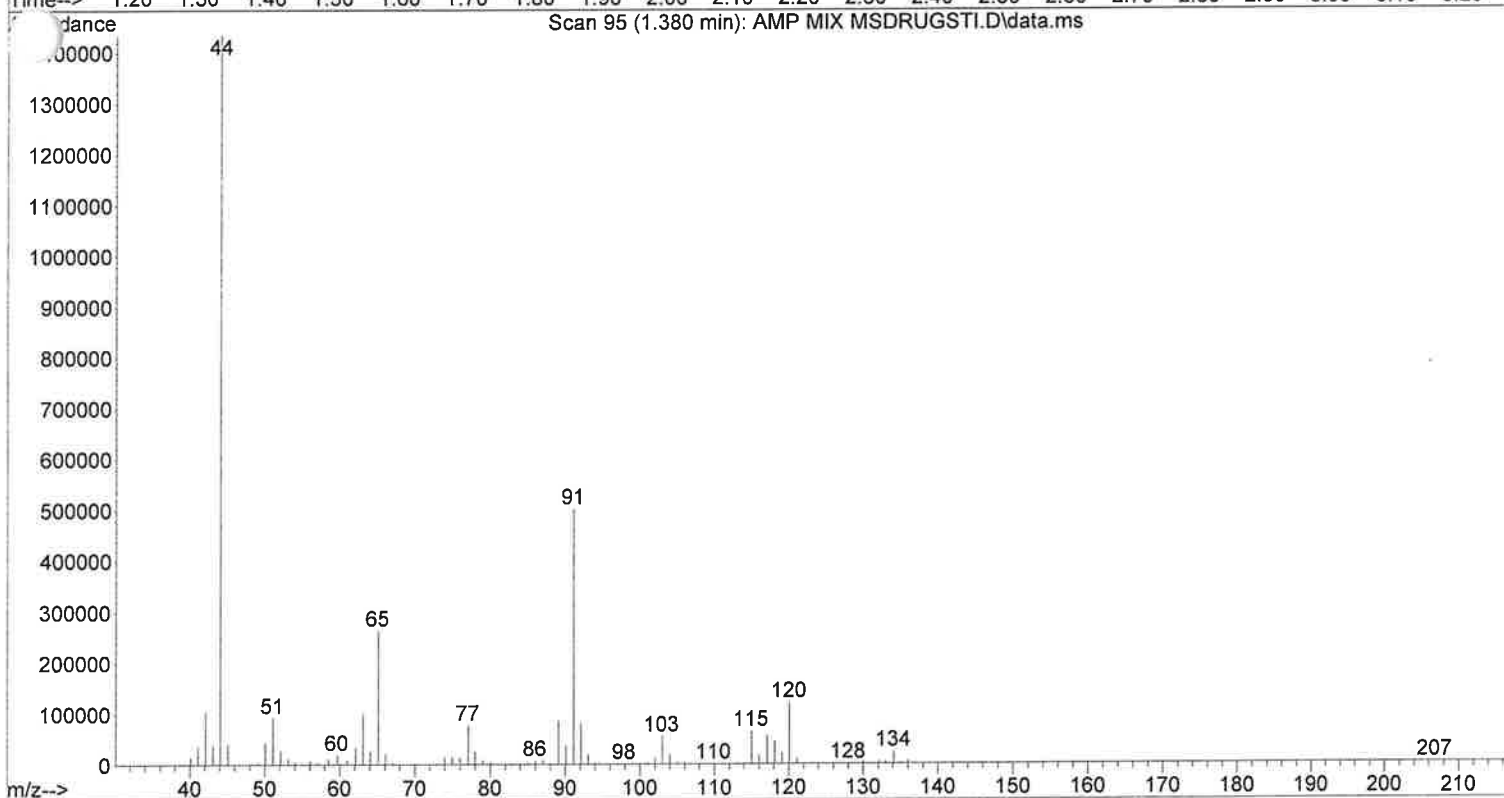
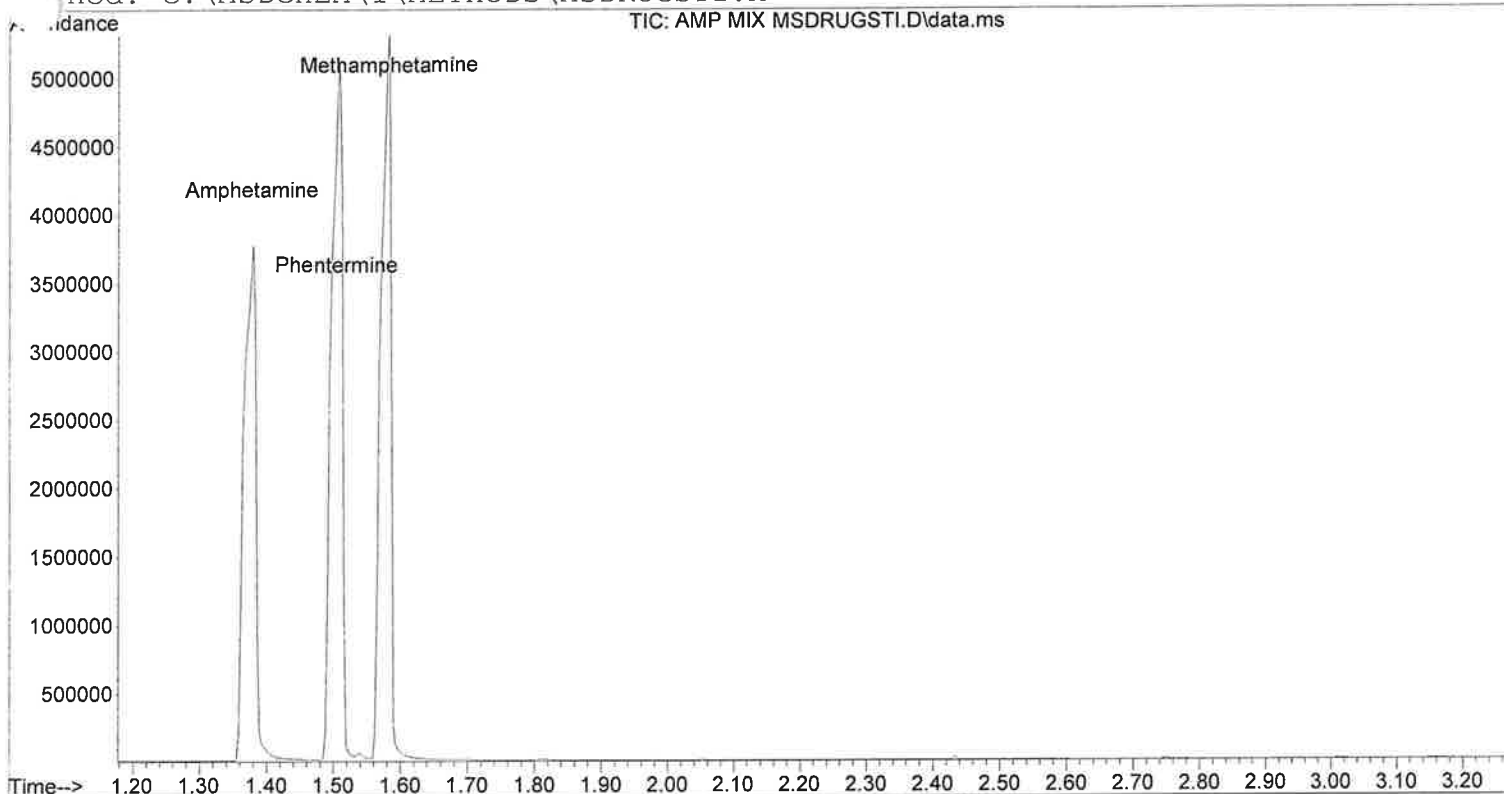
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0019 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX MSDRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by Lela Jackson on 6 Oct 2014 8:31
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro:
hod: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0025 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX MSDRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by Lela Jackson on 6 Oct 2014 8:31
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro:
hod: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C

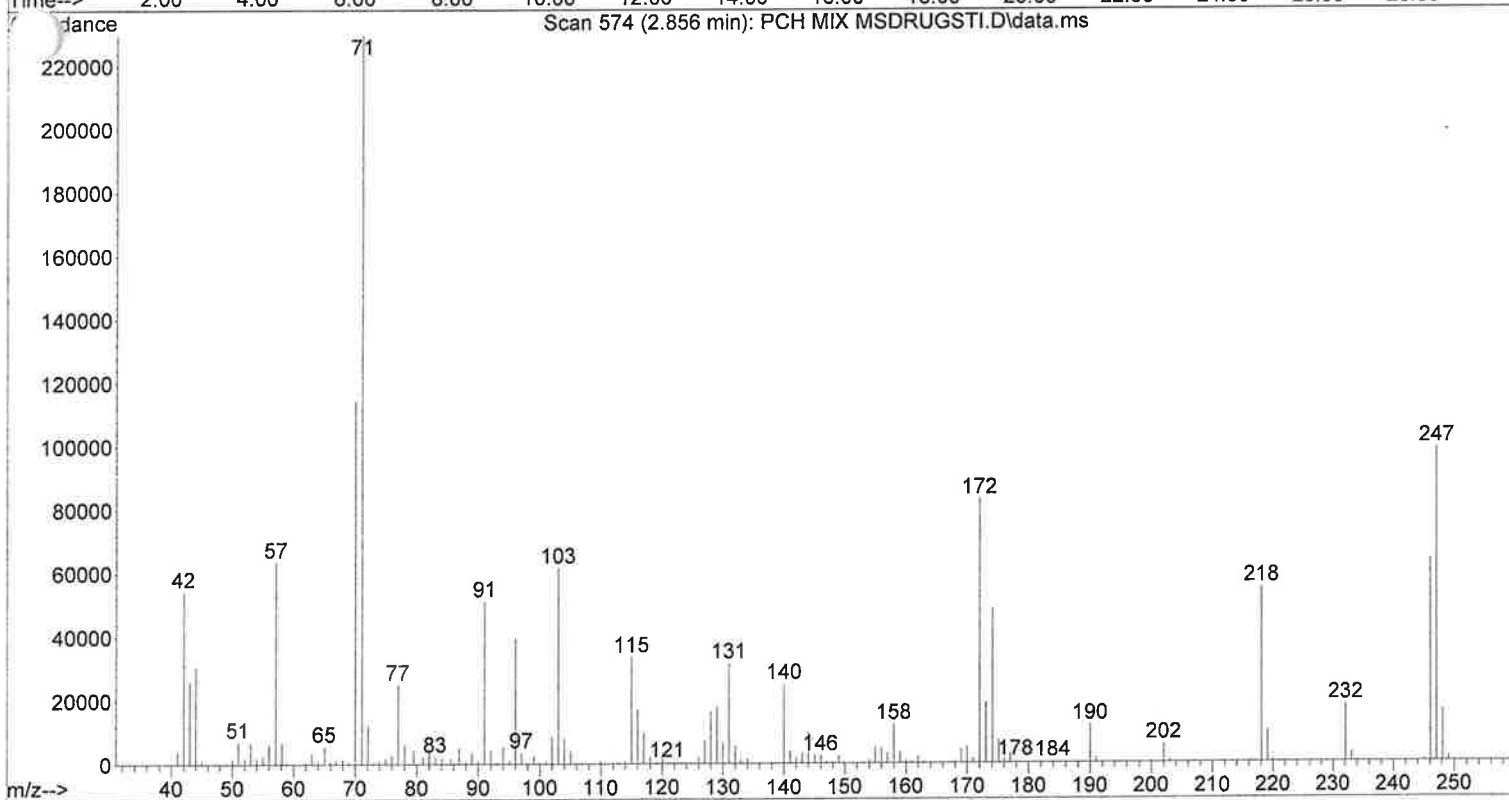
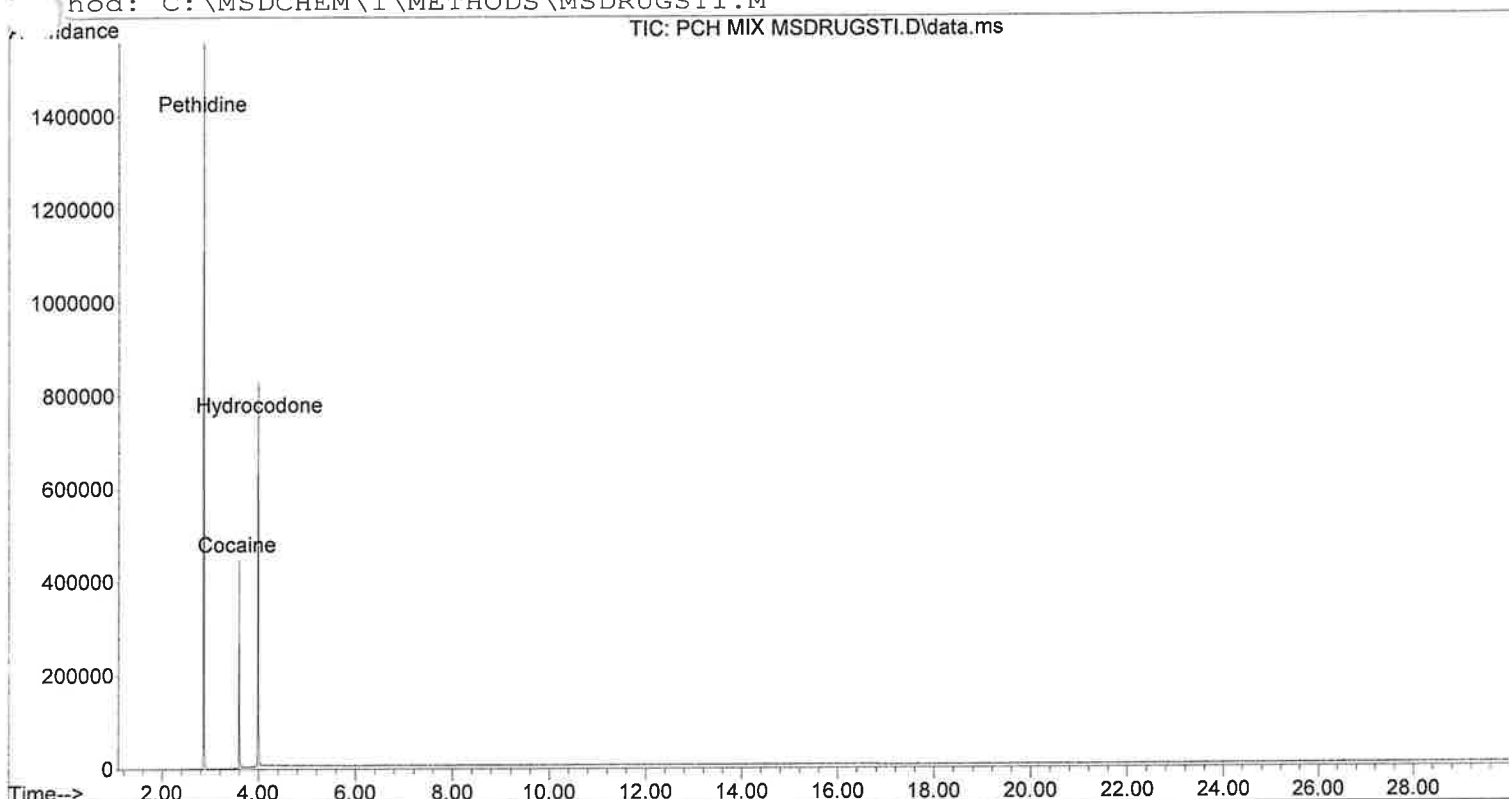
Split Ratio = 75.0000 Column Flow = 1.0025 mL/min

The column is a 12.5 meter 19091S-602

Scanned from 40.00 amu to 550.00 amu

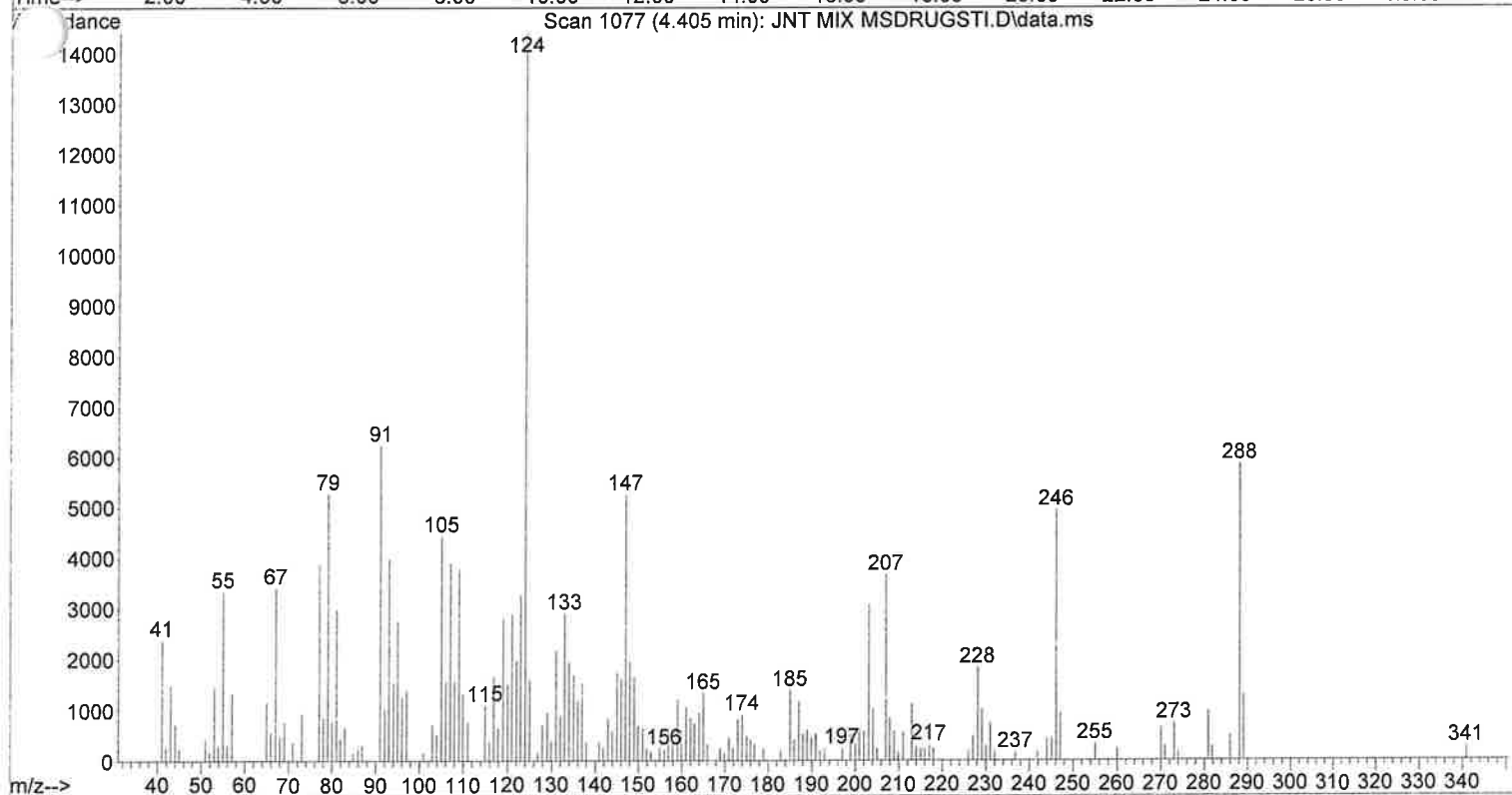
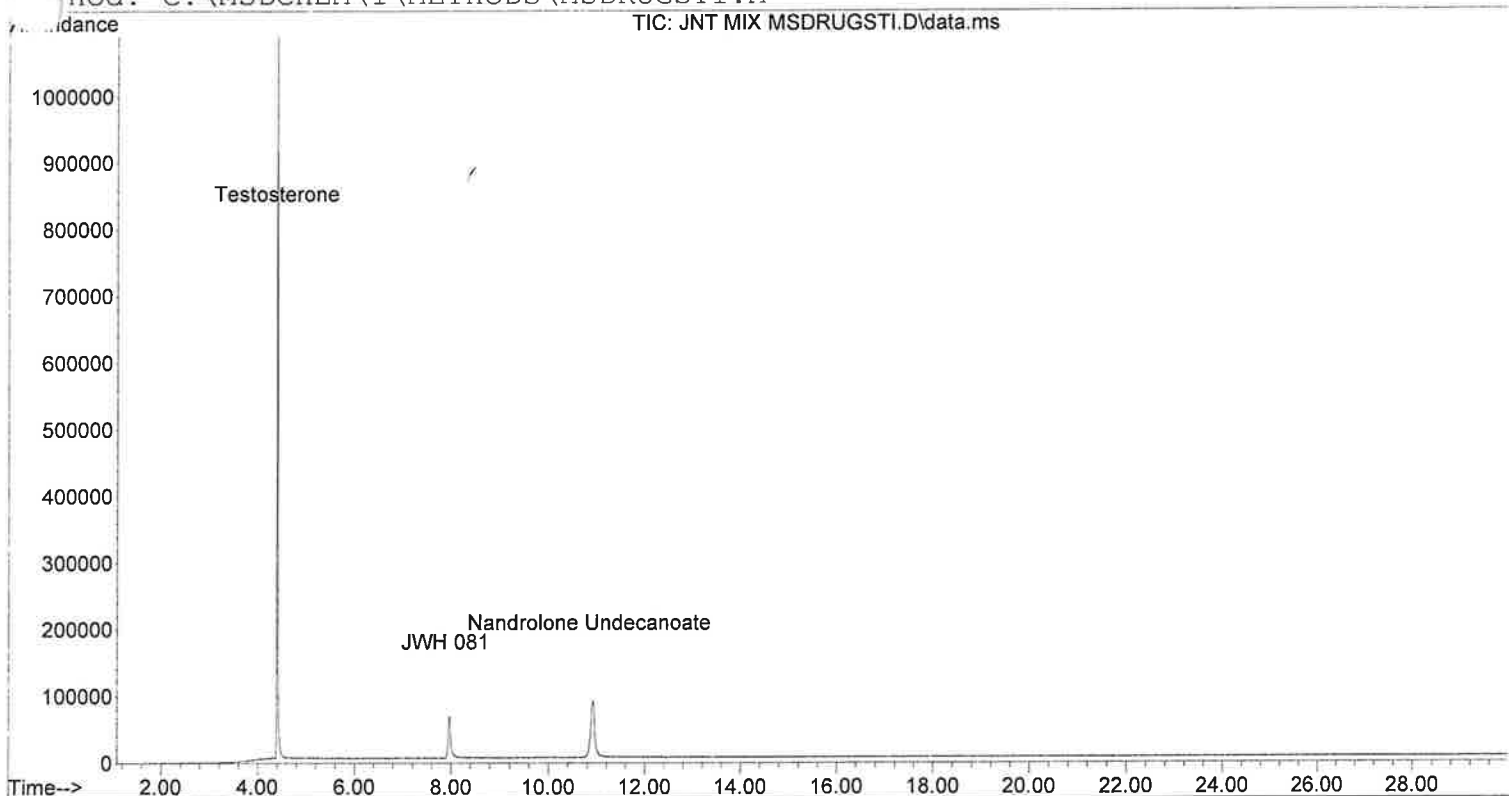
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\PCH MIX MS DRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by Lela Jackson on 6 Oct 2014 9:47
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280
Path: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0030 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\JNT MIX MS DRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by Lela Jackson on 6 Oct 2014 10:30
Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Met
hod: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C

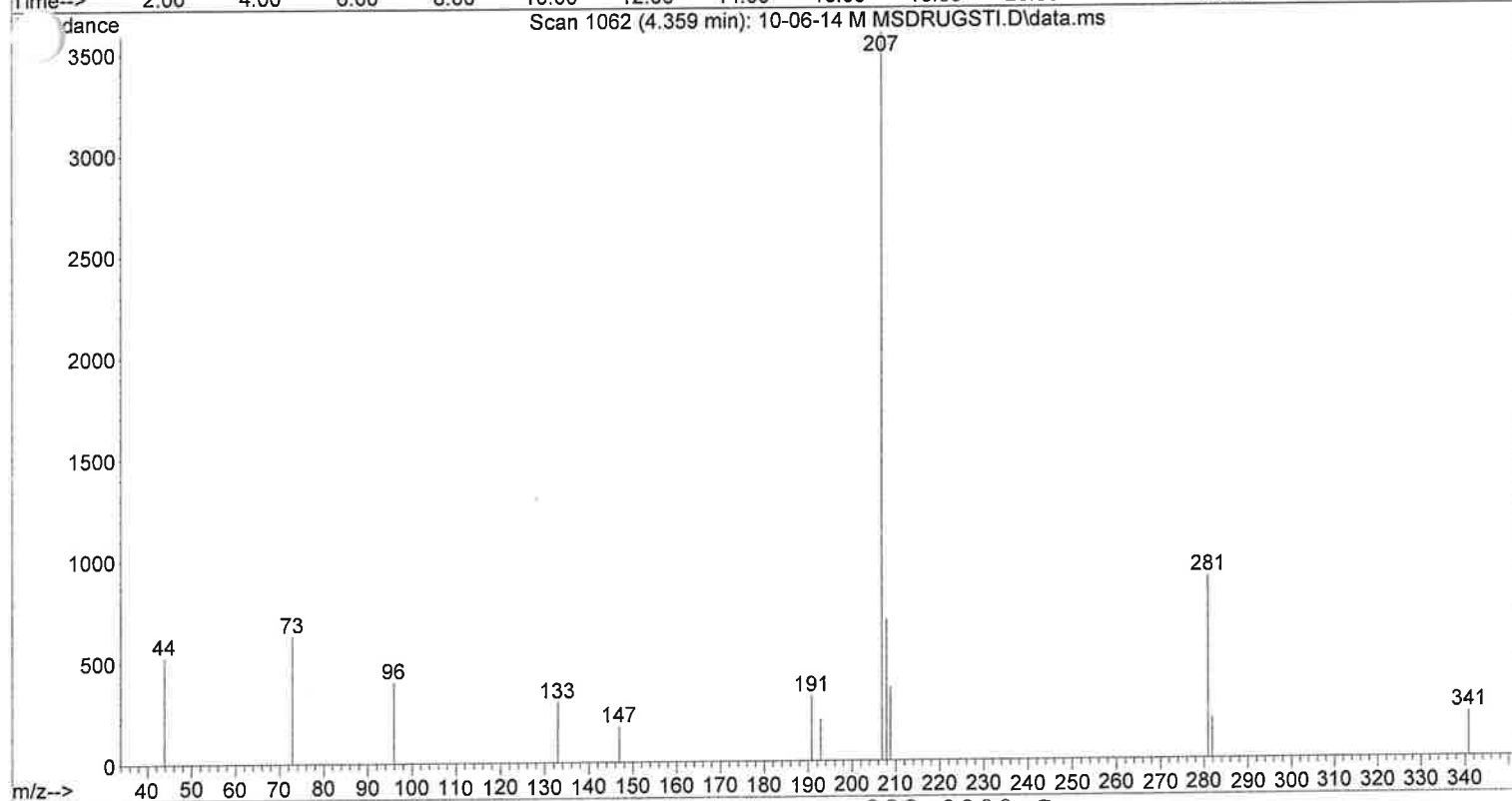
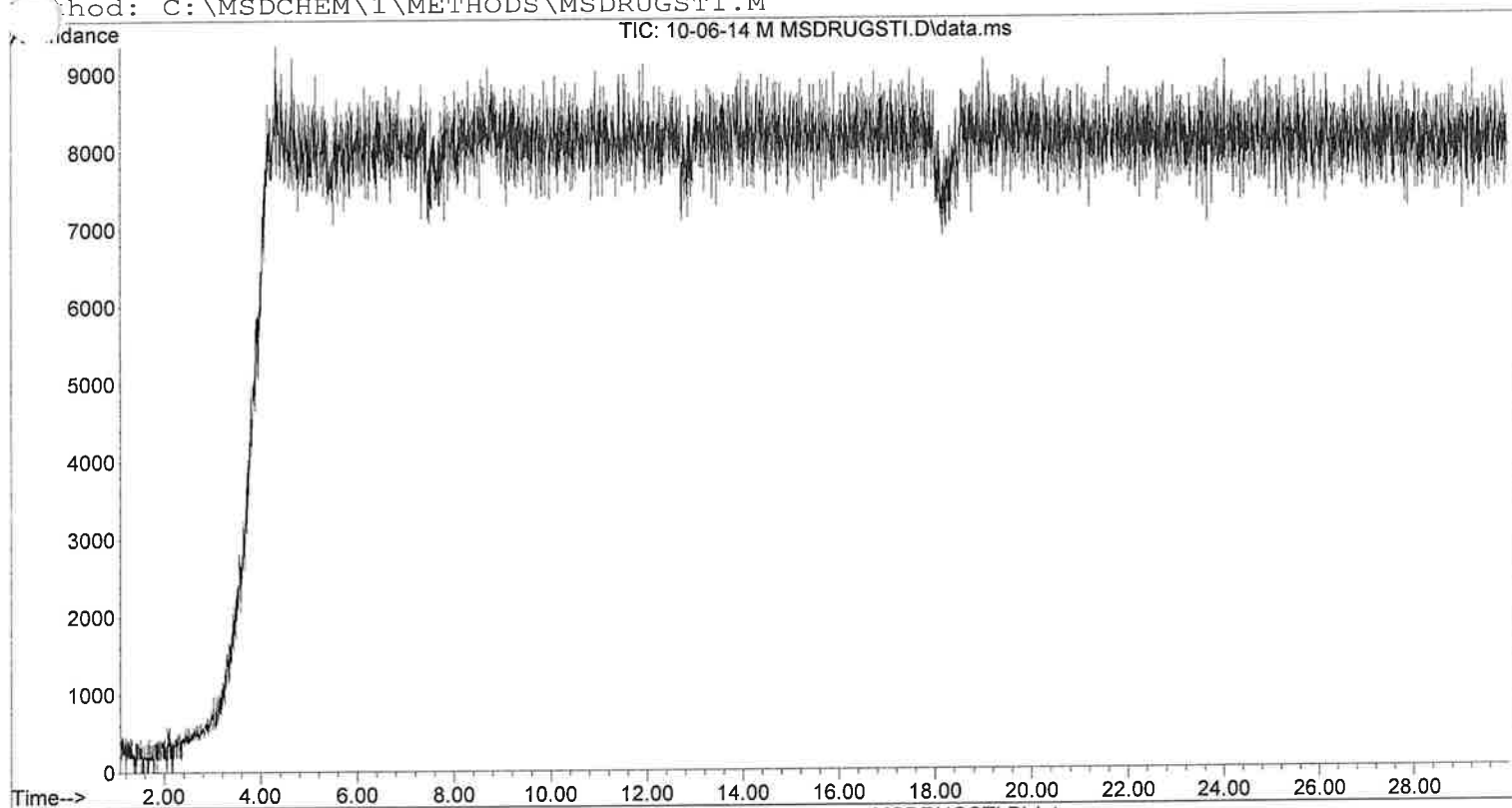
Split Ratio = 75.0000 Column Flow = 1.0018 mL/min

Column is a 12.5 meter 19091S-602

Scanned from 40.00 amu to 550.00 amu

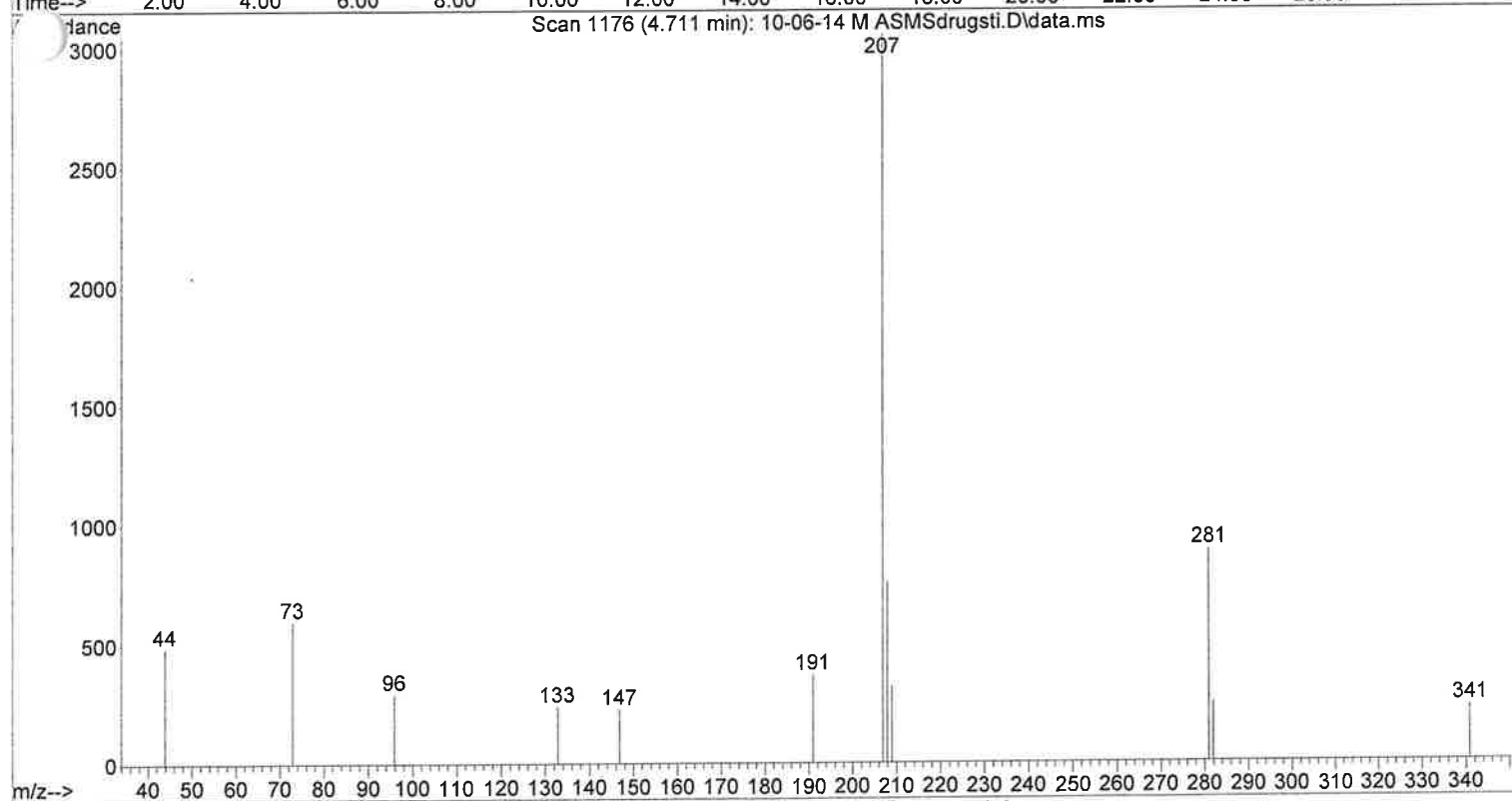
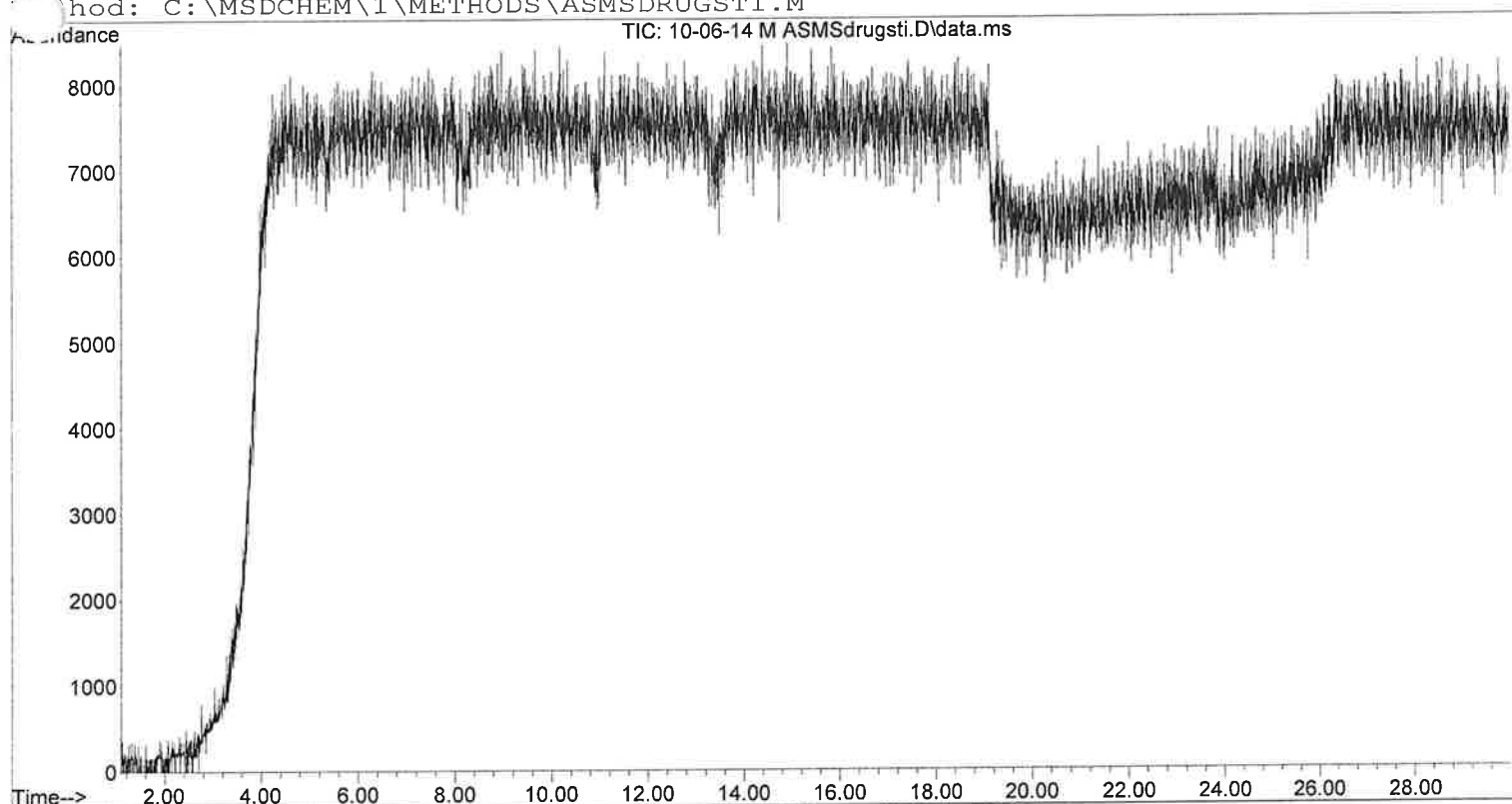
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-06-14 M MSDRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by Lela Jackson on 6 Oct 2014 9:12
Information: Methanol Blank Misc. Information: Methanol 100-280c@70c/min for 30 r
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



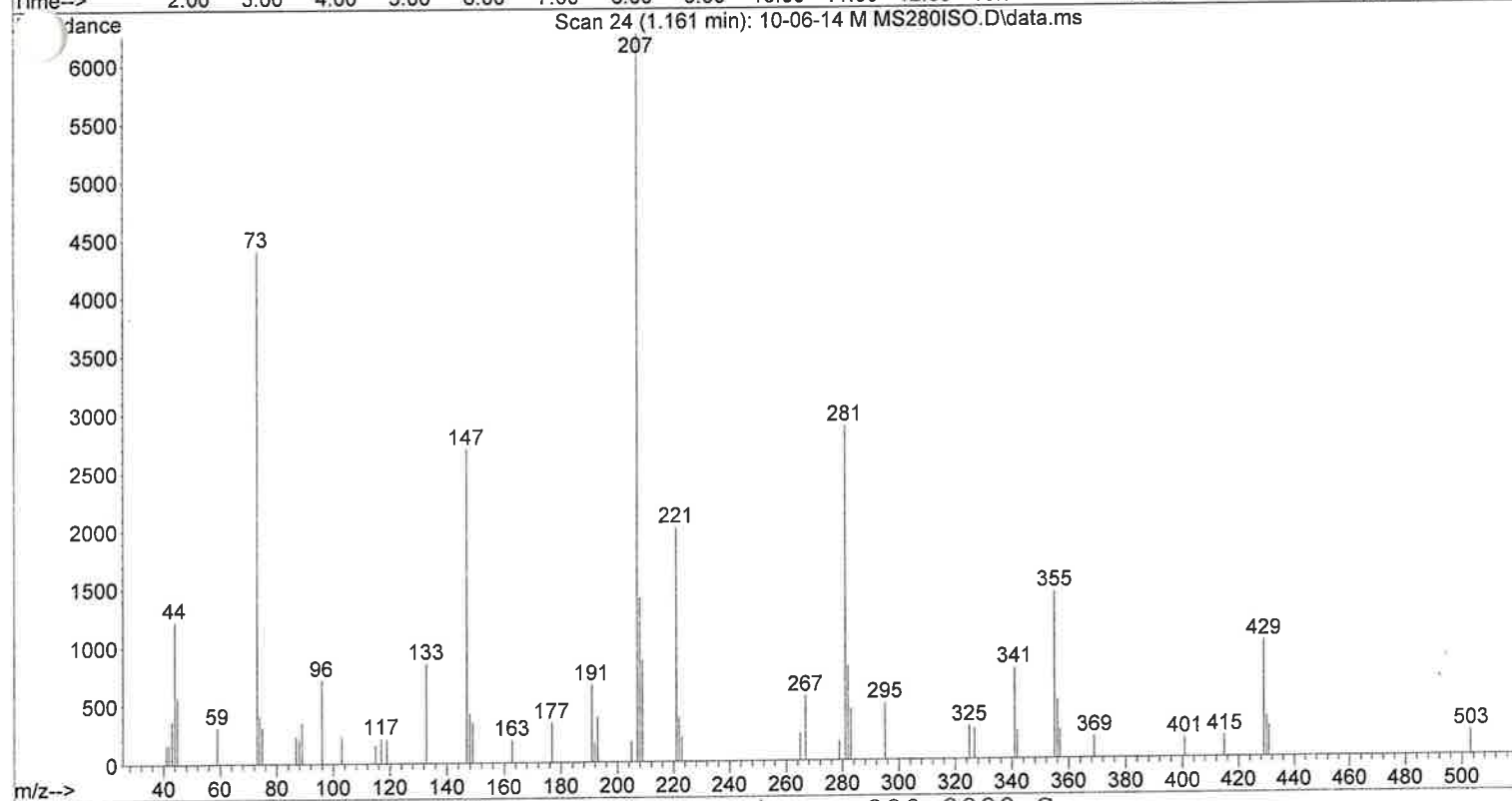
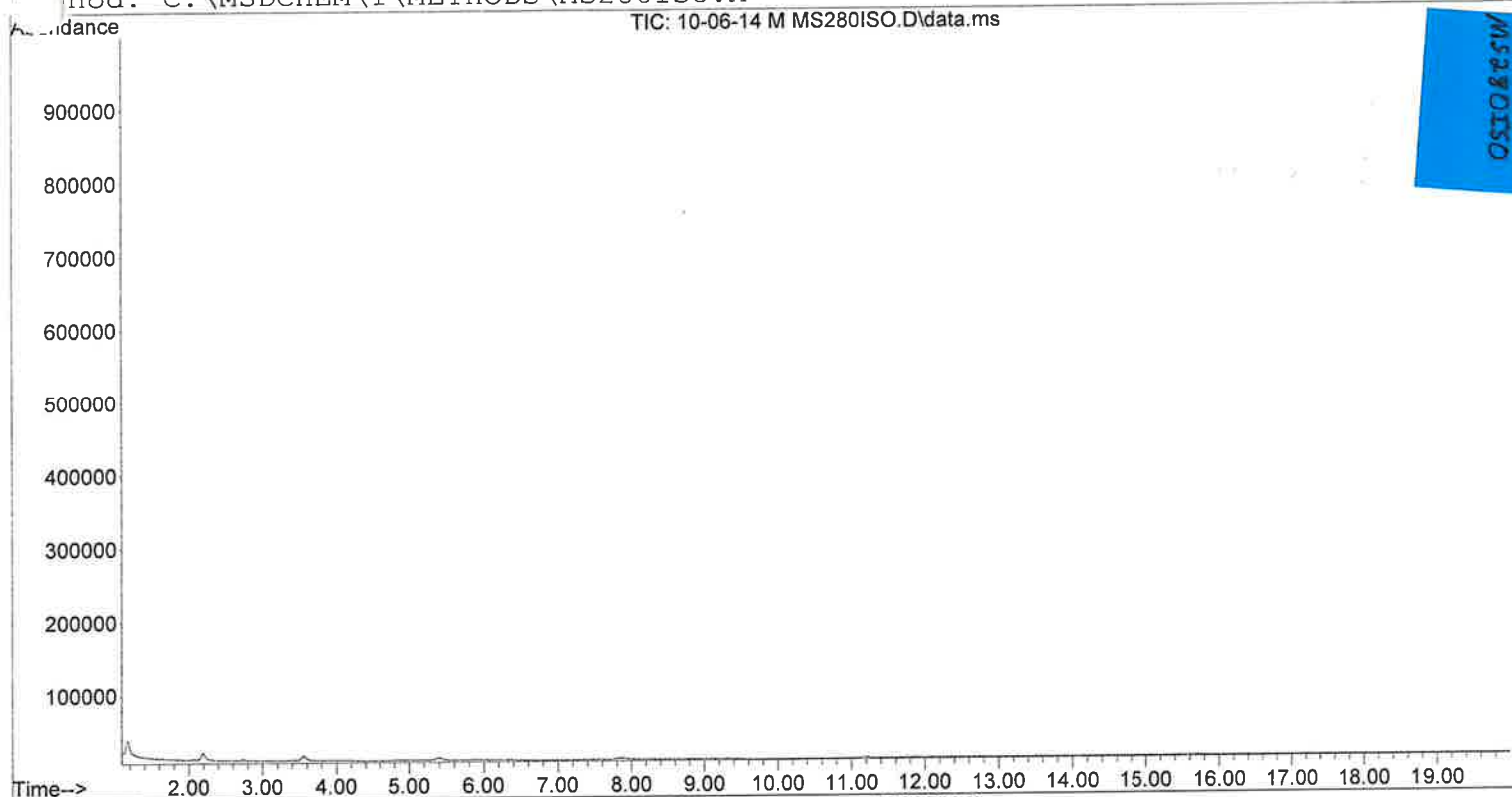
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0025 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-06-14 M ASMSdrugsti.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 6 Oct 2014 11:47
Information: Methanol blank Misc. Information: Methanol 100- 280c for 30 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



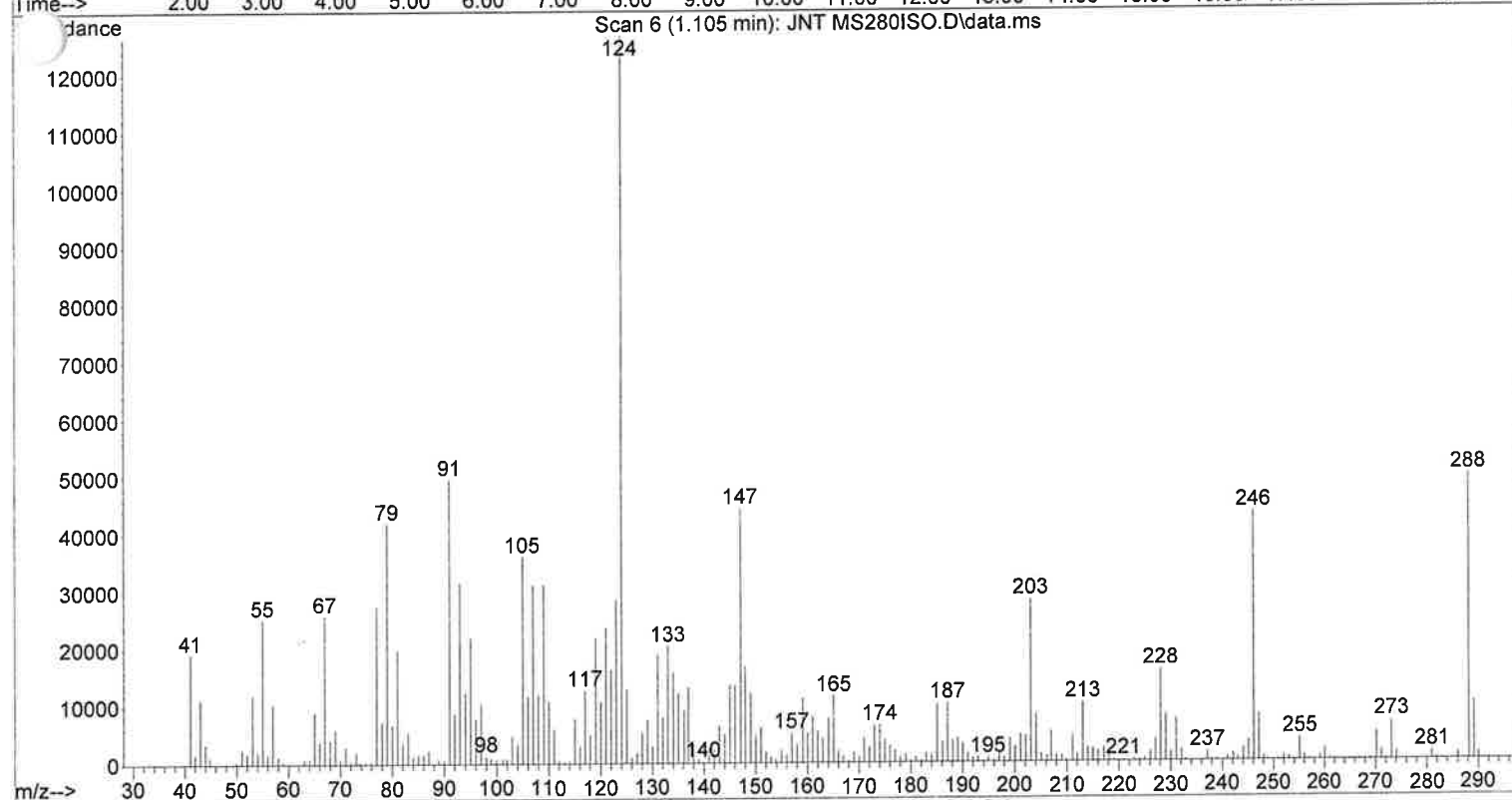
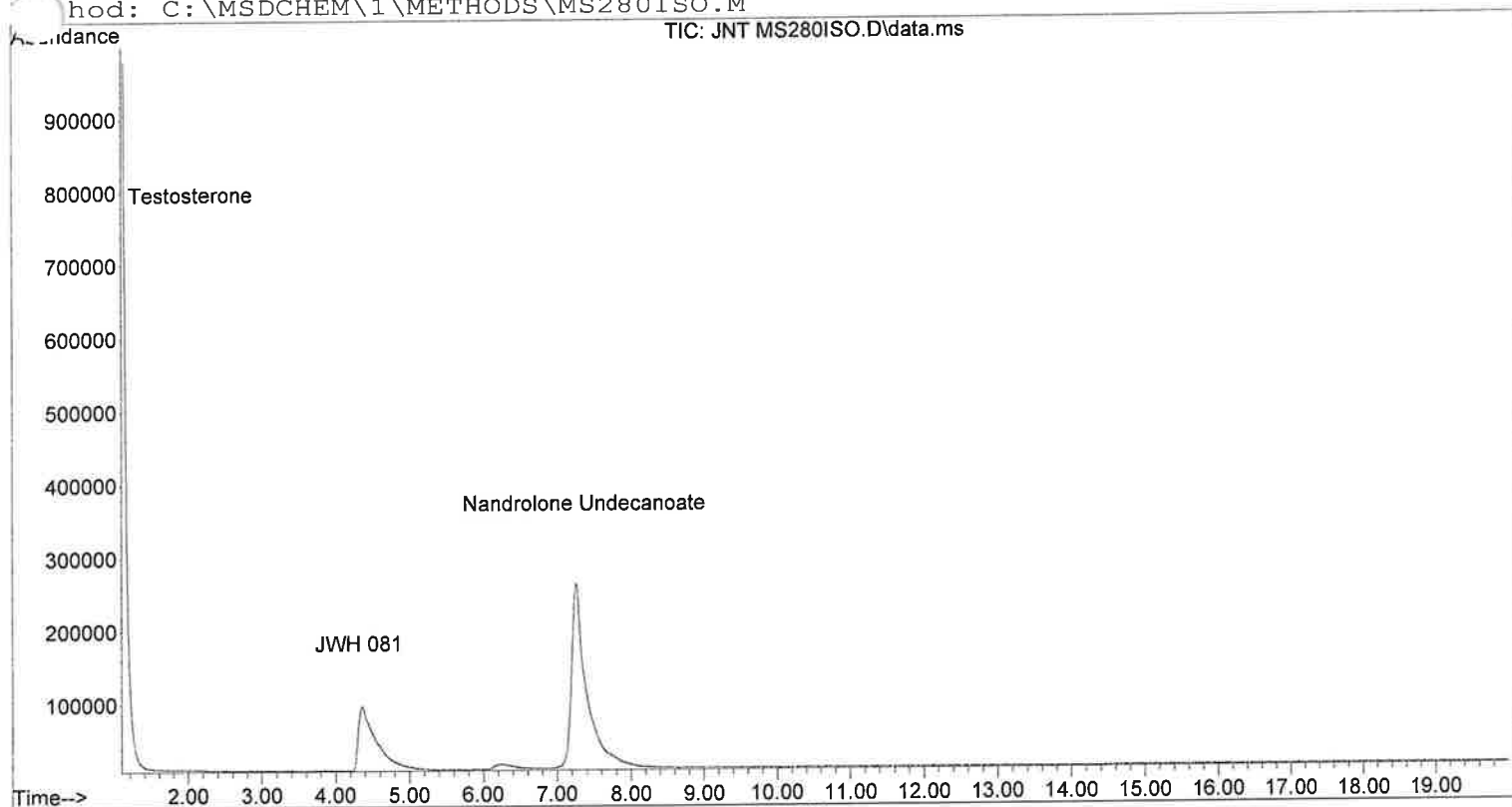
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0025 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-06-14 M MS280ISO.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by Lela Jackson on 6 Oct 2014 7:13
Information: Methanol Blank Misc. Information: Methanol 280c for 30 min
Method: C:\MSDCHEM\1\METHODS\MS280ISO.M



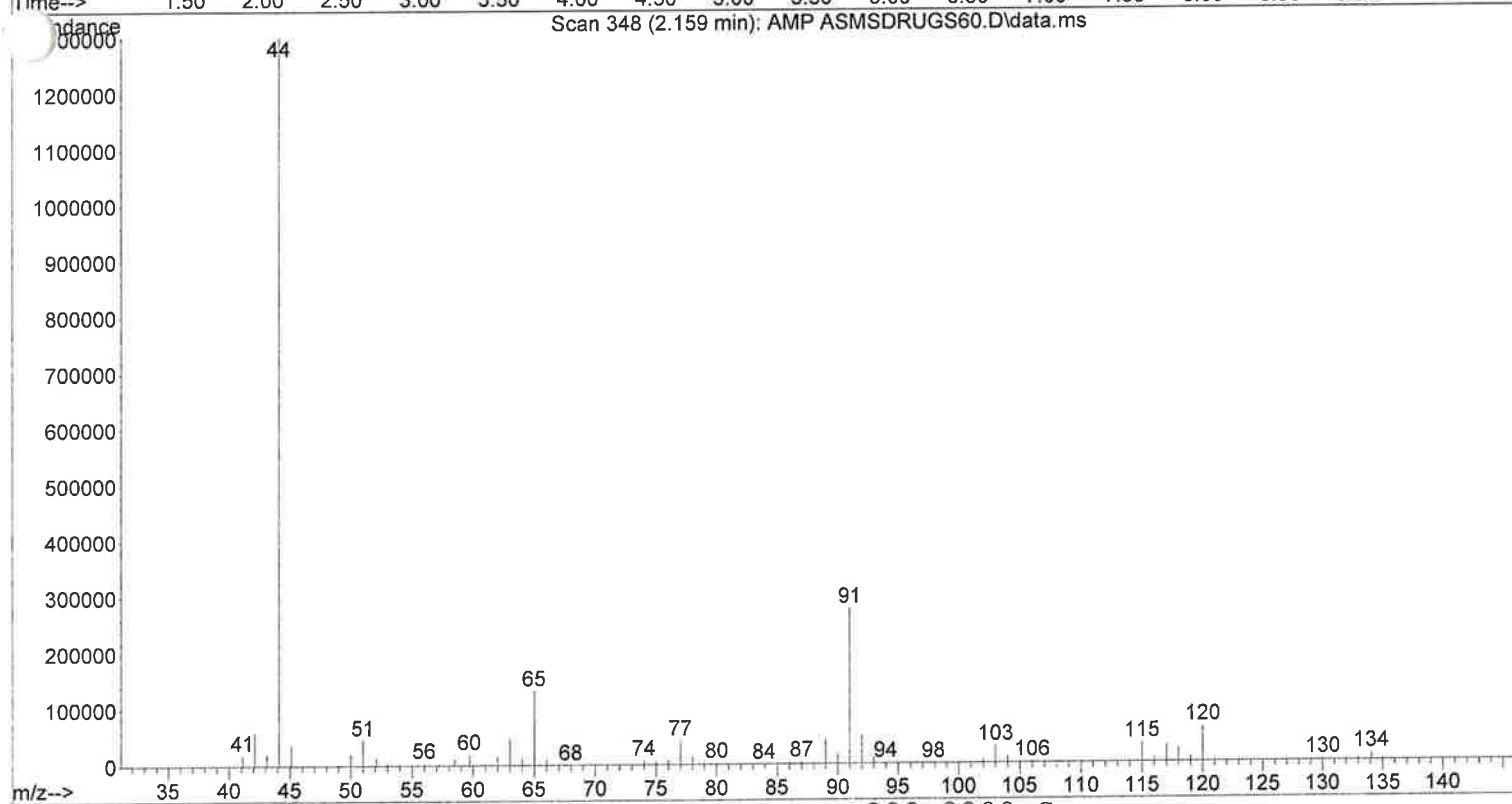
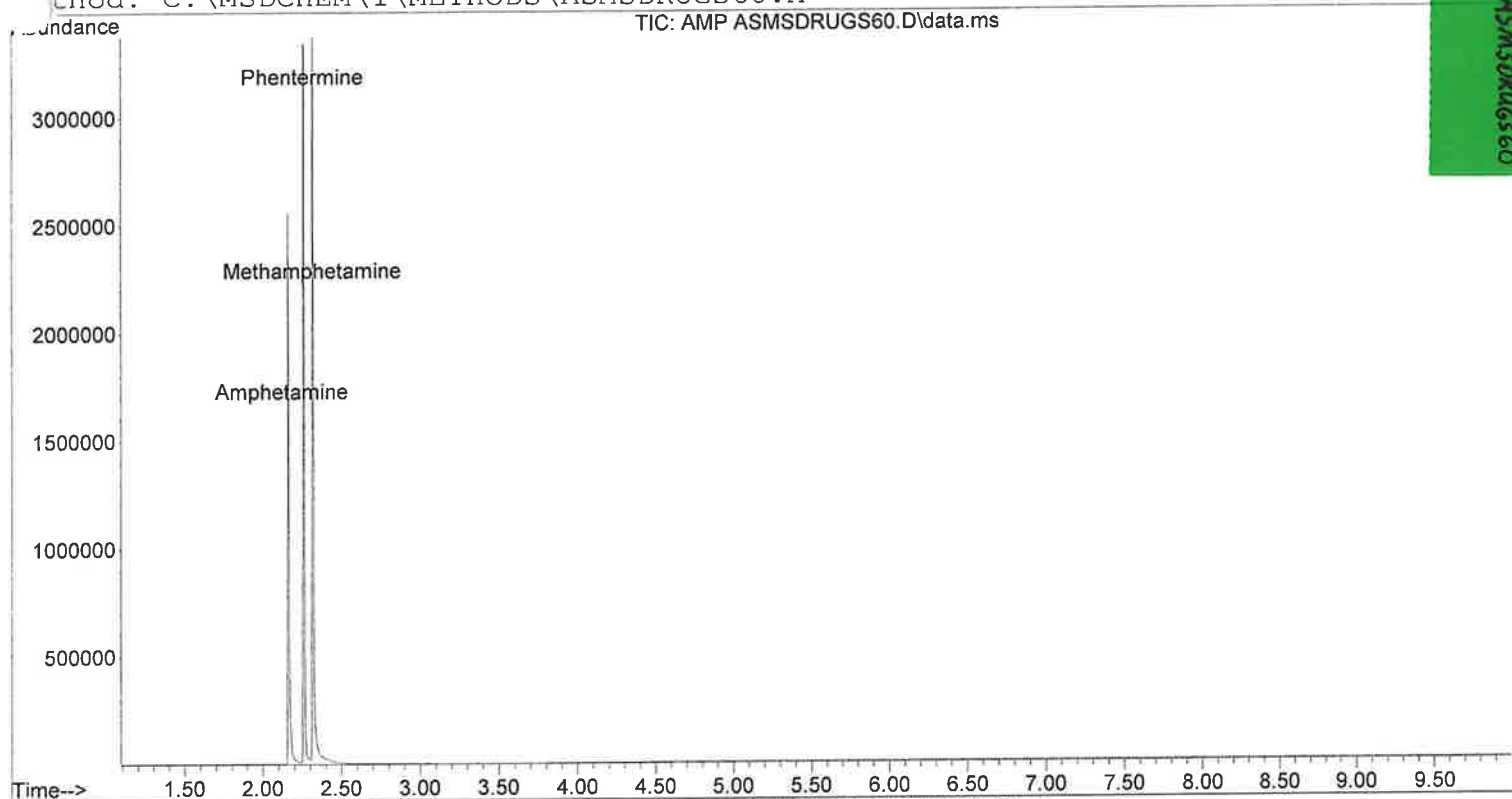
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 25.0000 Column Flow = 1.0000 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\JNT MS280ISO.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by Lela Jackson on 6 Oct 2014 7:35
Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Met
hod: C:\MSDCHEM\1\METHODS\MS280ISO.M



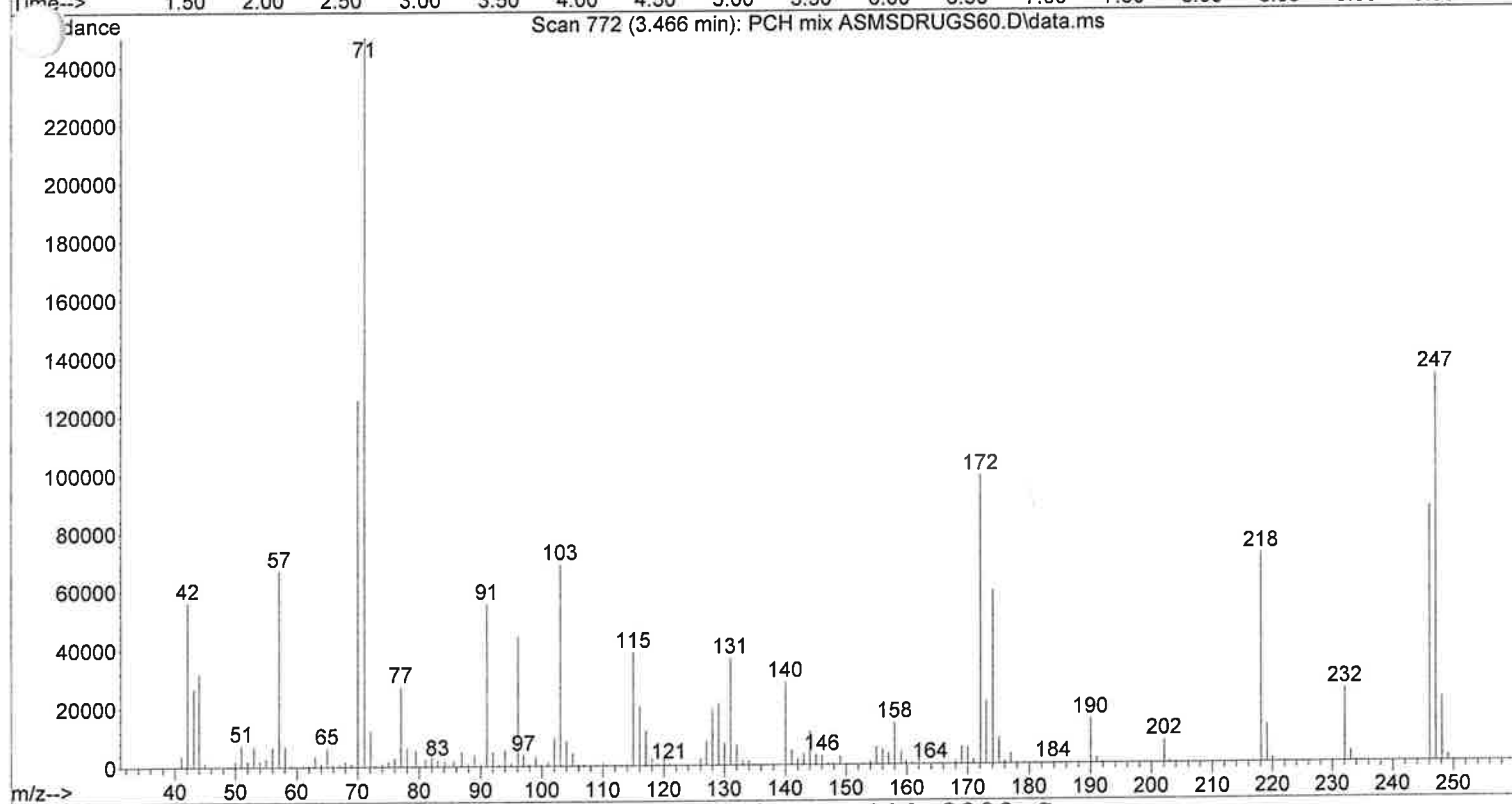
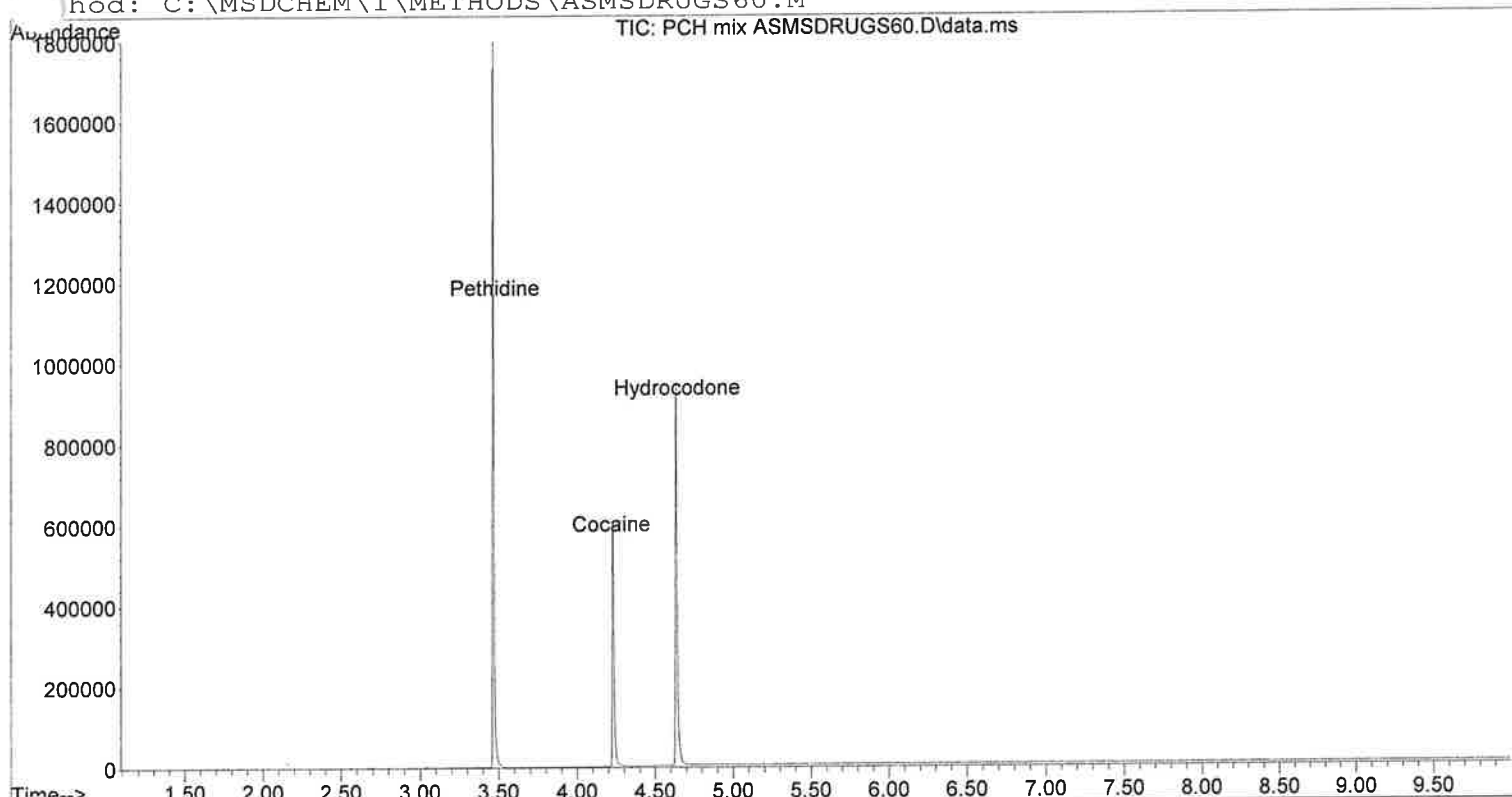
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 25.0000 Column Flow = 1.0000 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP ASMSDRUGS60.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 15:58
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



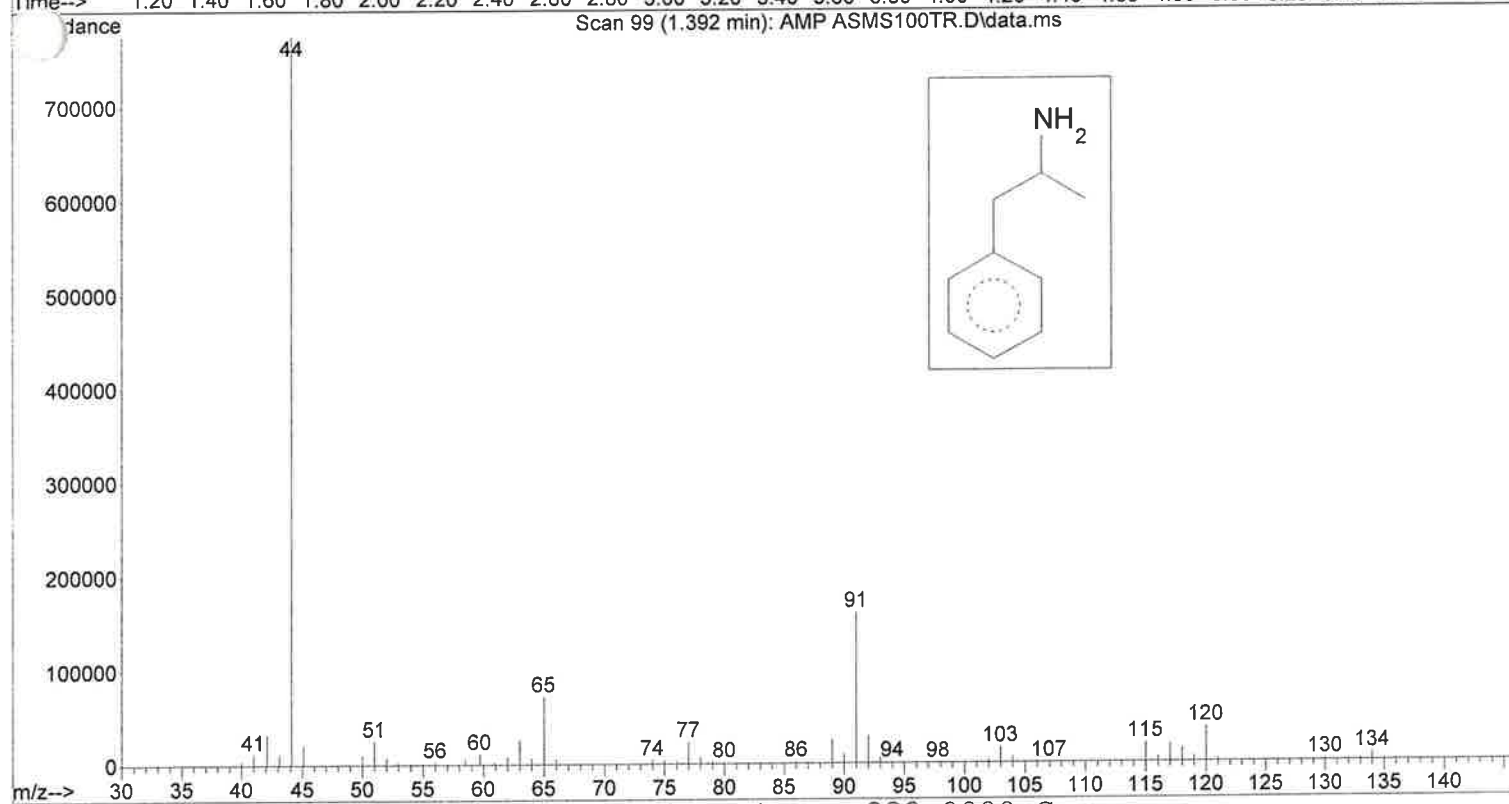
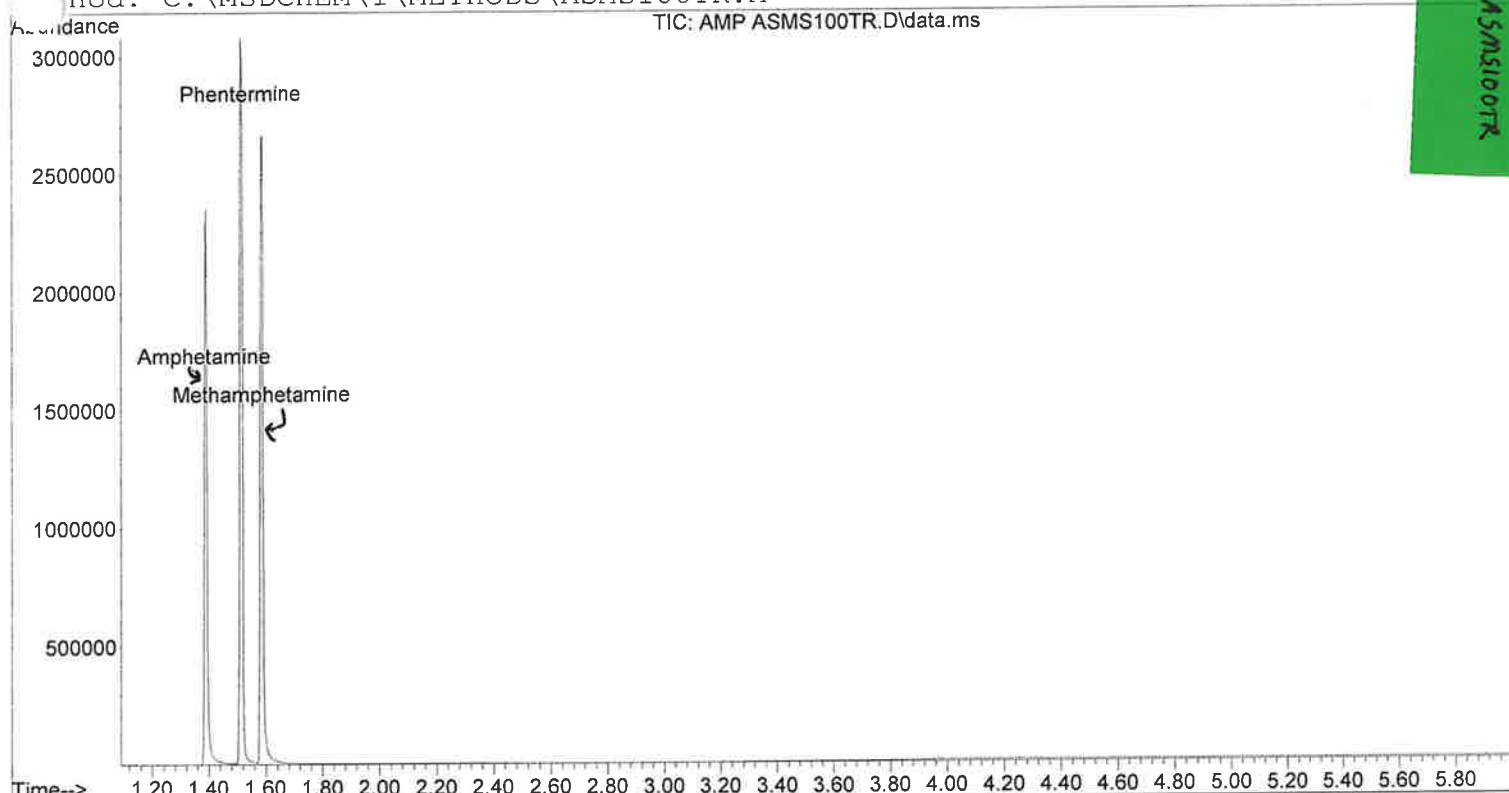
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0031 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 60 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\PCH mix ASMSDRUGS60.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 16:26
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 60-280°C
Path: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



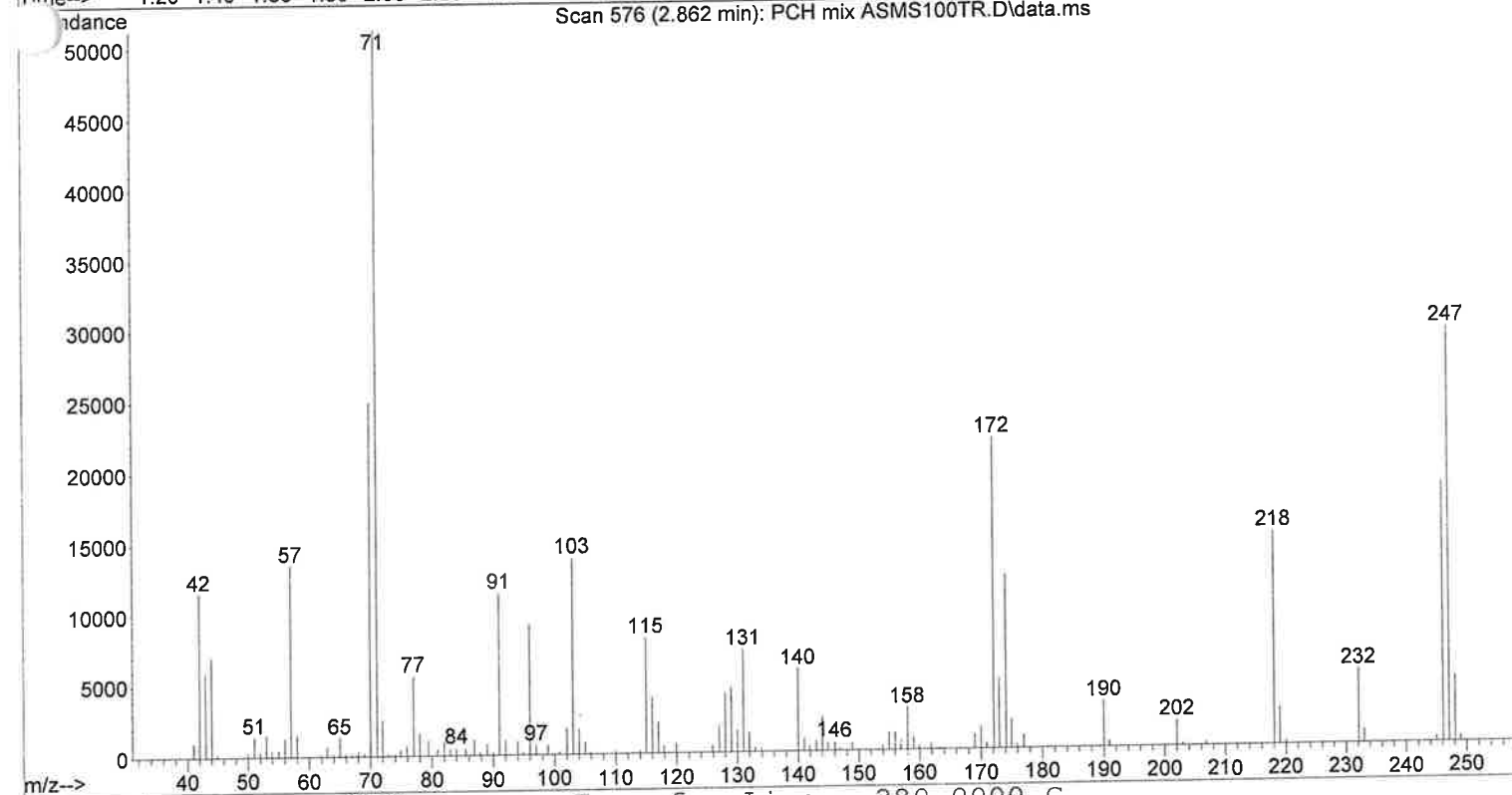
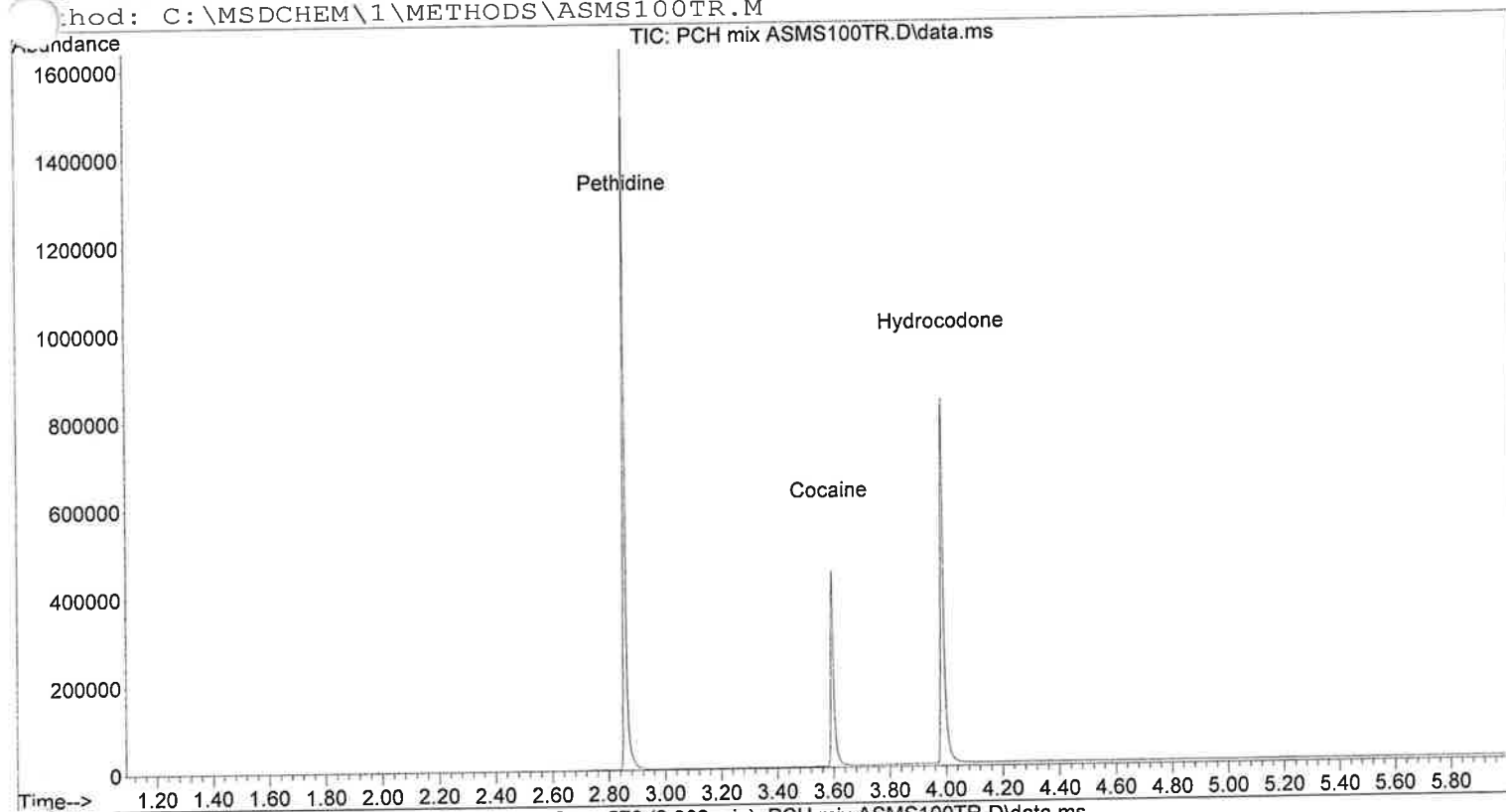
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0025 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 60 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP ASMS100TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 18:59
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M



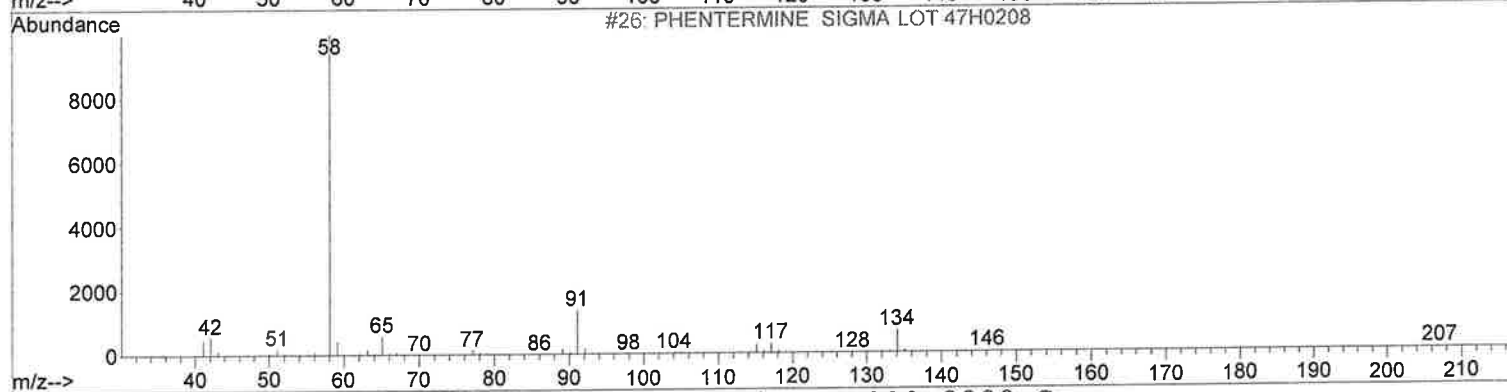
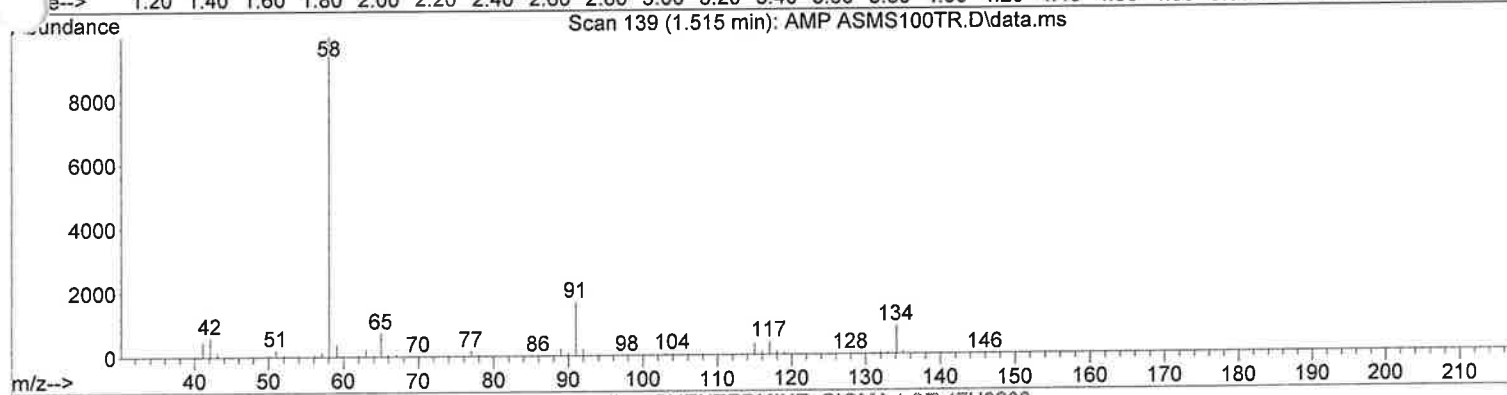
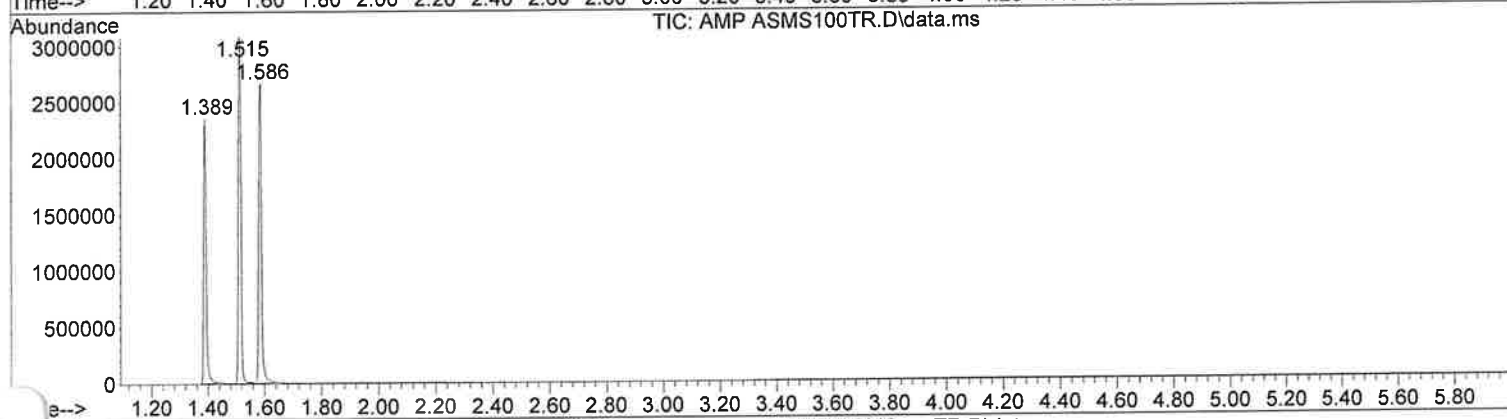
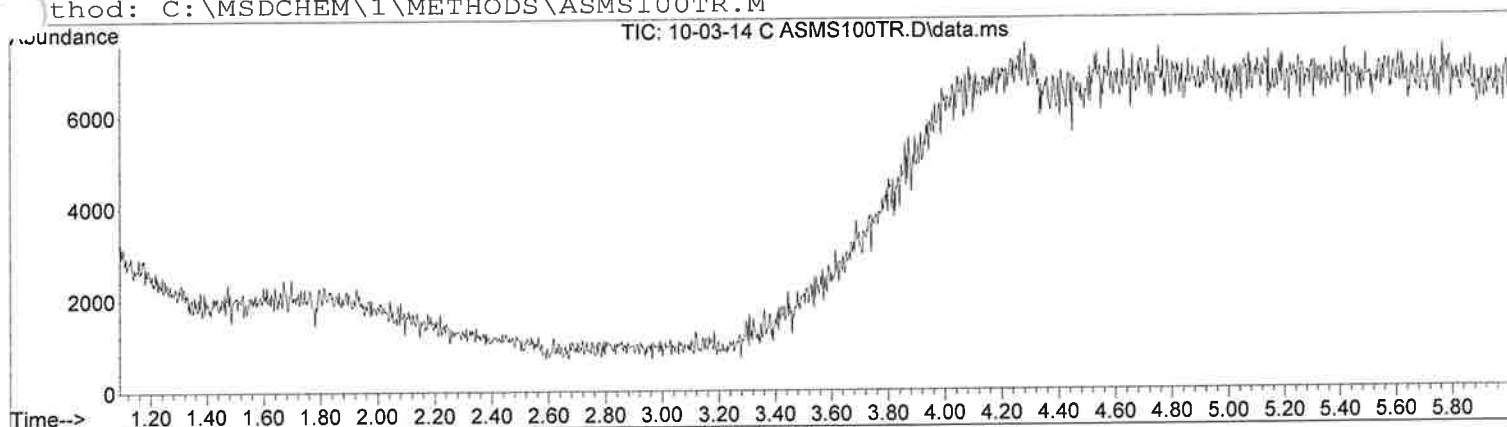
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0032 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\PCH mix ASMS100TR.1
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 19:16
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-2800
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M



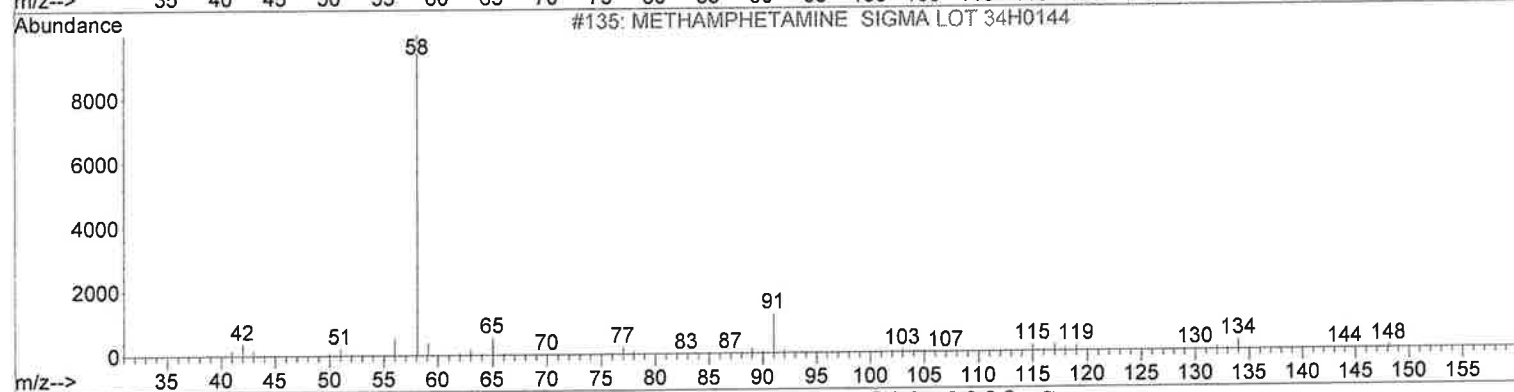
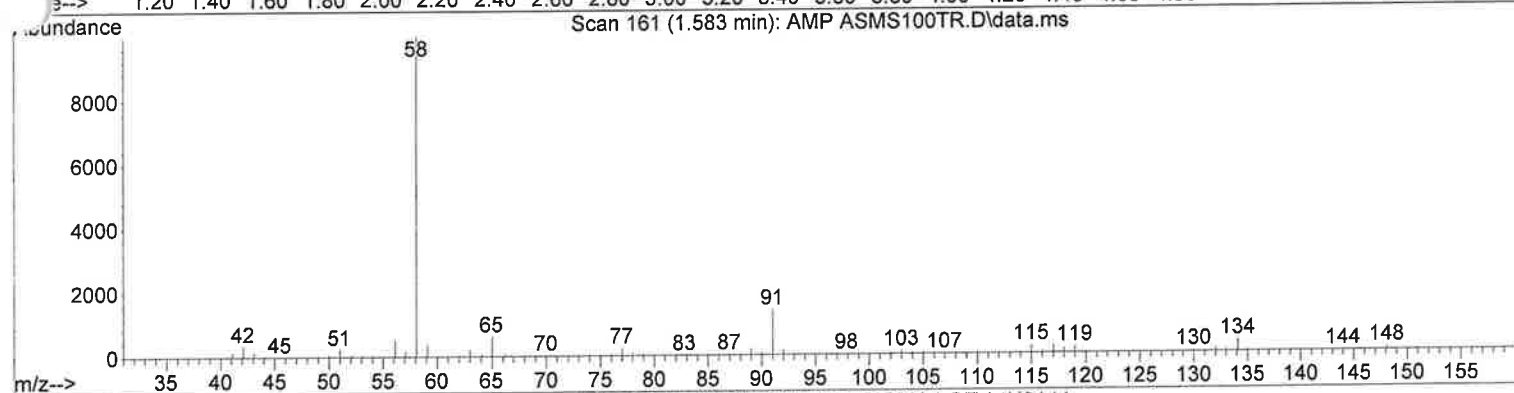
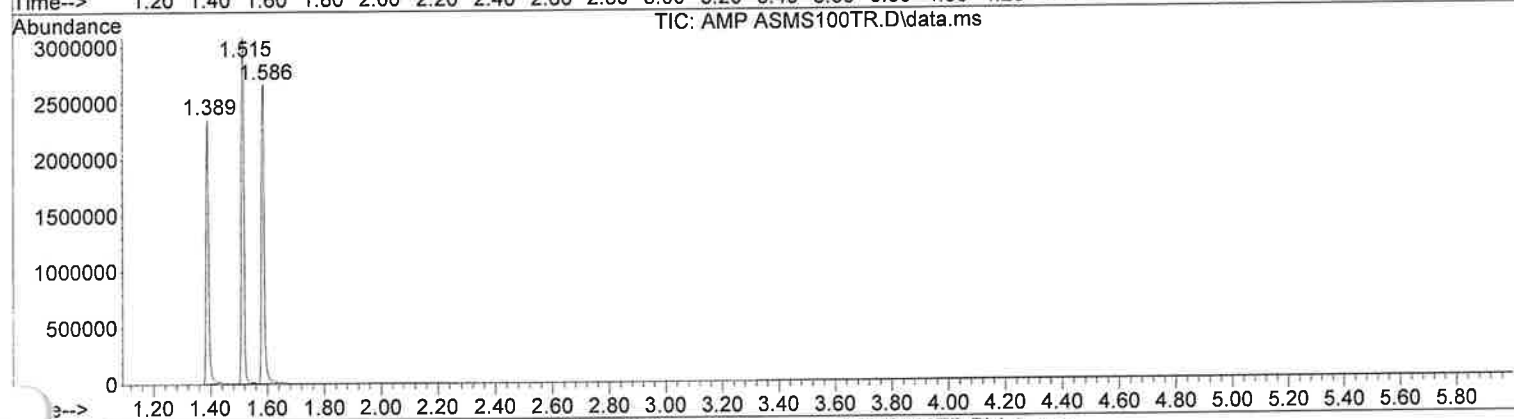
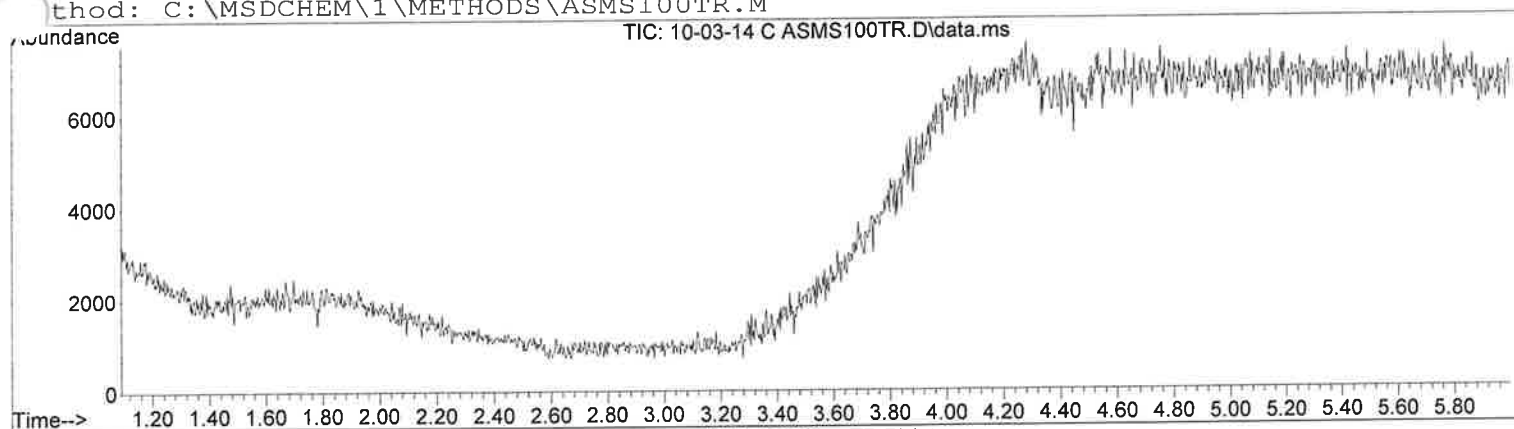
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0006 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP ASMS100TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 18:59
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro
thod: C:\MSDCHEM\1\METHODS\ASMS100TR.M



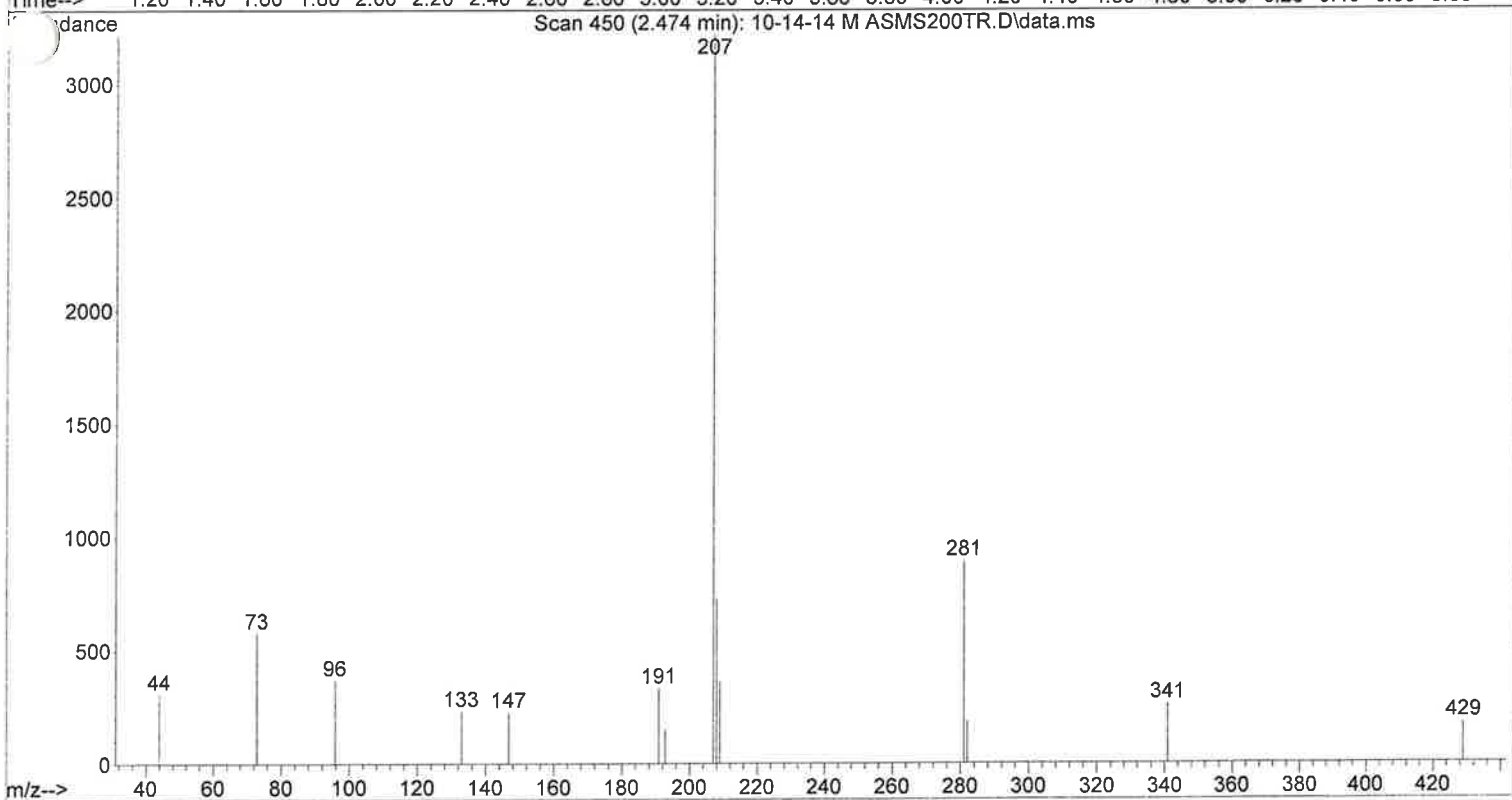
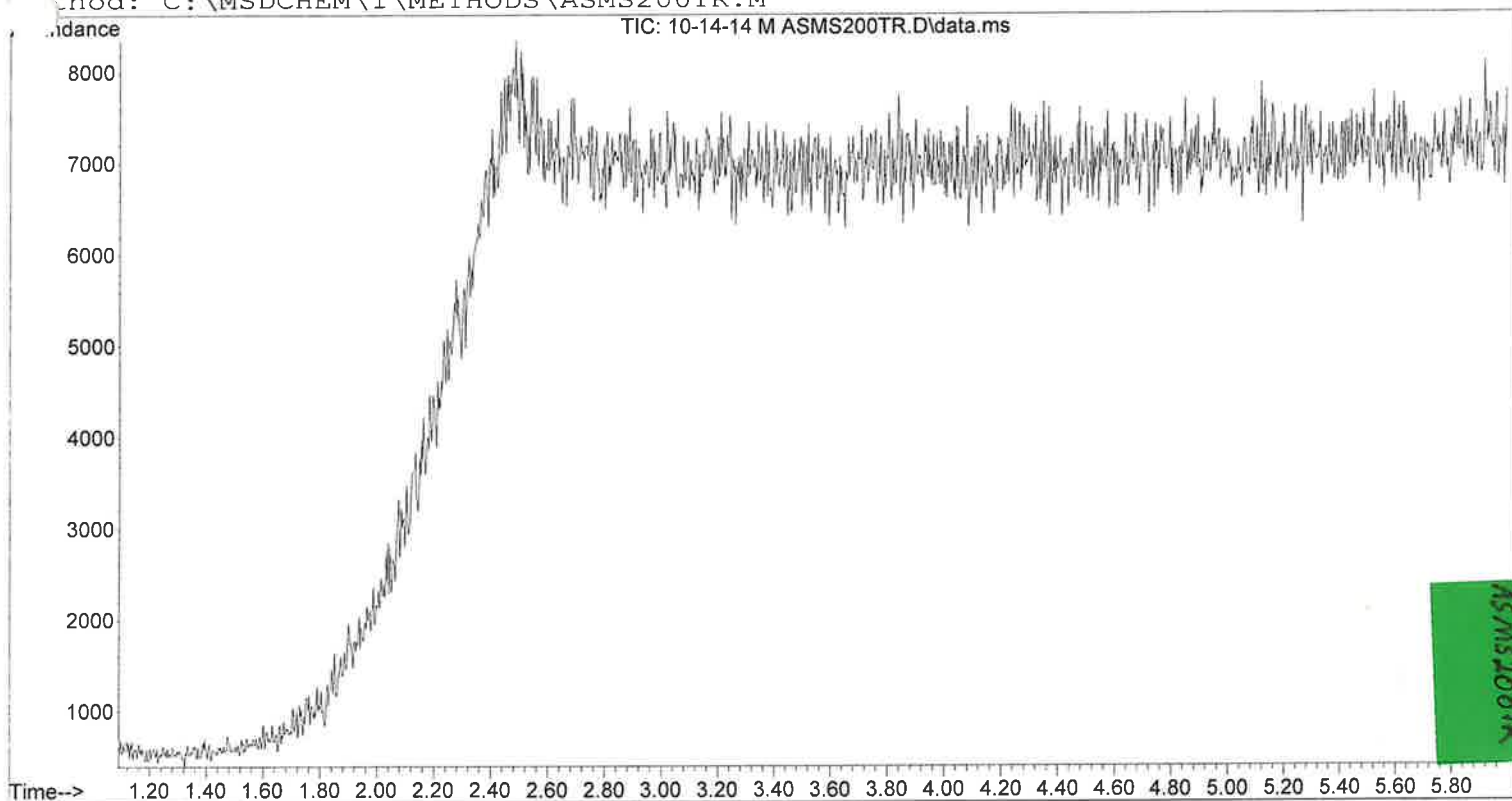
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0032 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP ASMS100TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 18:59
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M



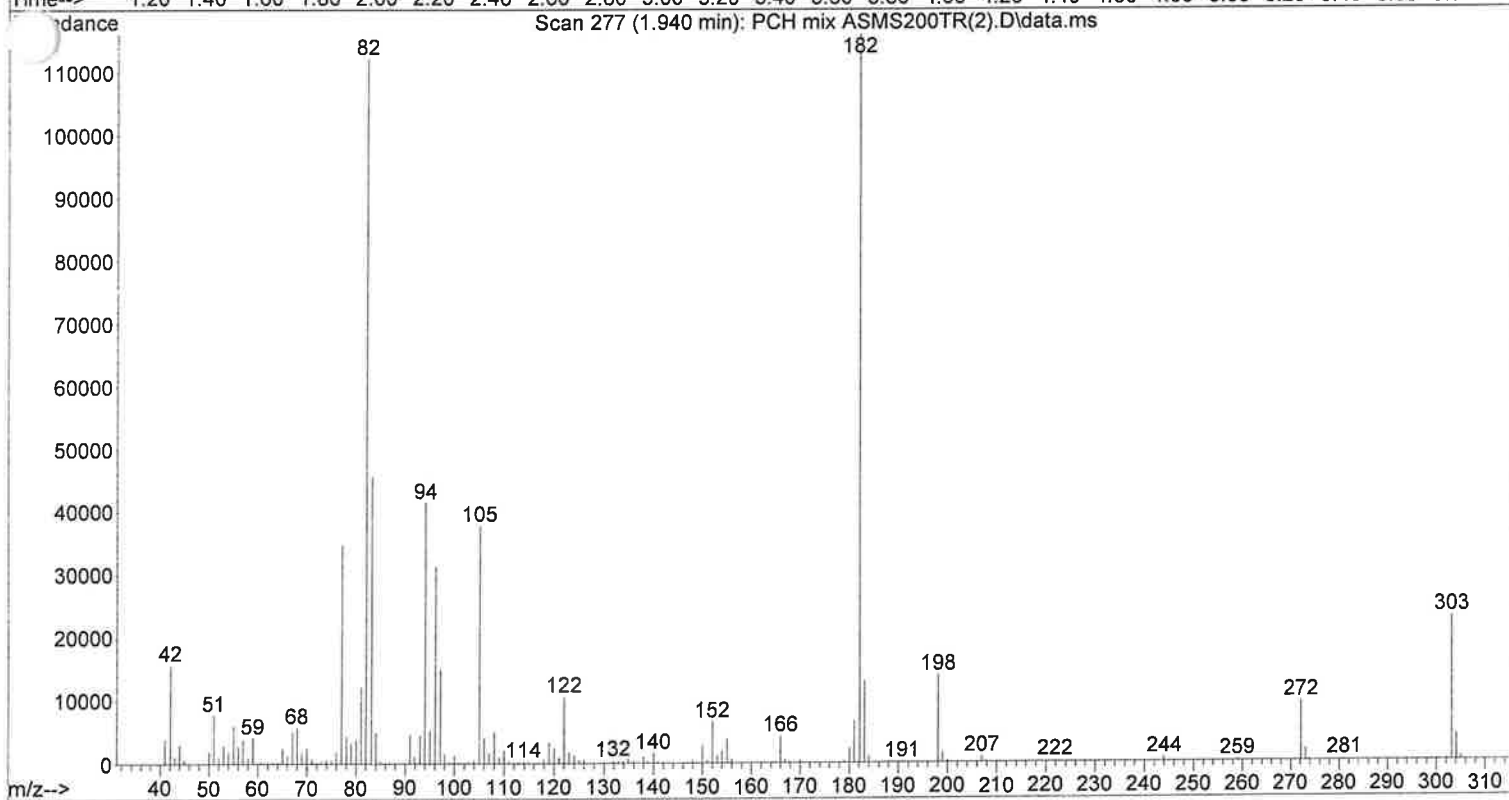
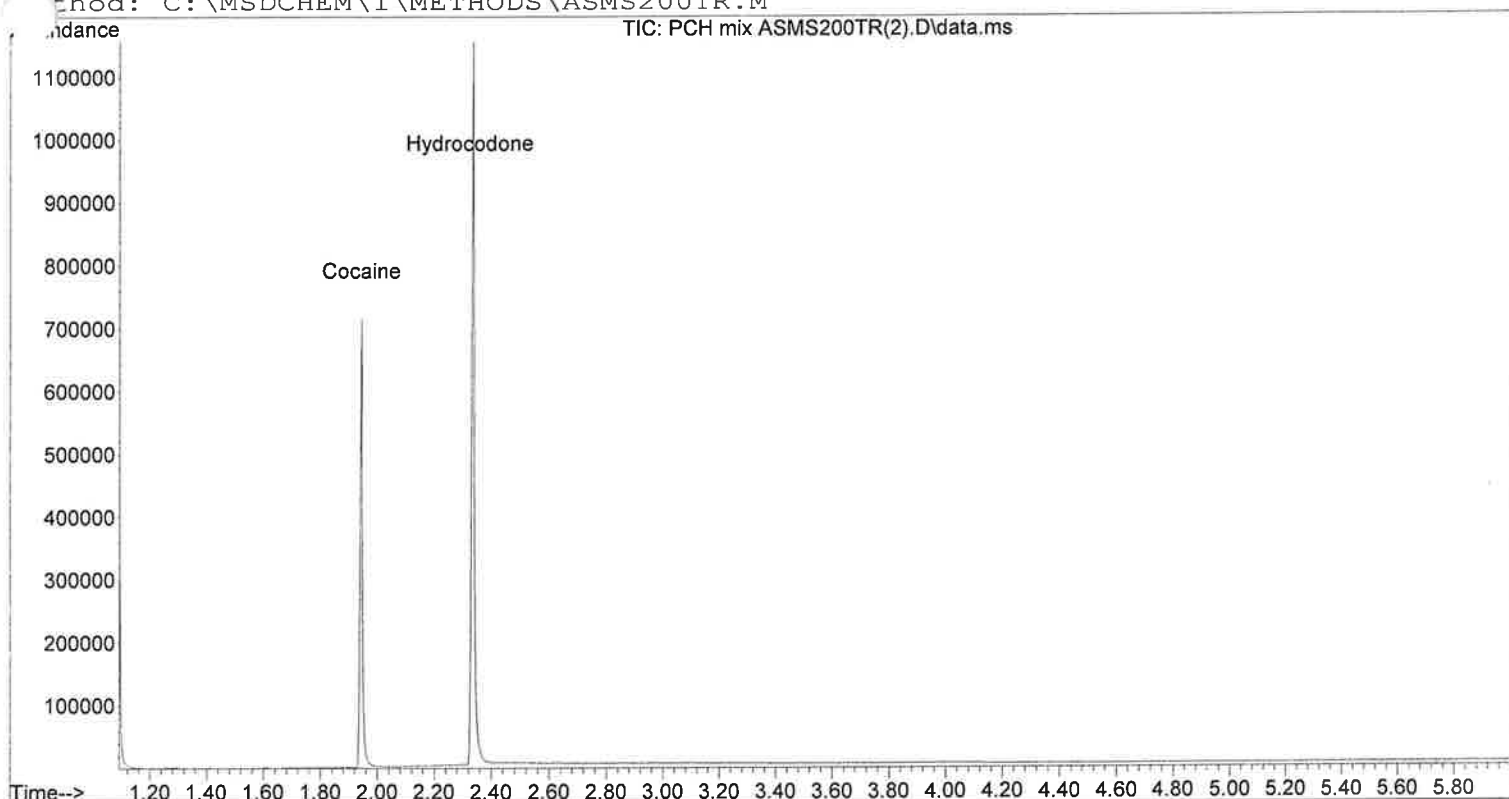
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0032 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-14-14 M ASMS200TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 14 Oct 2014 12:40 pm
Acquired by NASHVILLE LAB on 14 Oct 2014 13:55
Information: Methanol blank Misc. Information: Methanol 200-280c @70c/min for 6 r
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0018 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\PCH mix ASMS200TR(2).D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 14 Oct 2014 12:40 pm
Acquired by NASHVILLE LAB on 14 Oct 2014 14:03
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 200-280
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0012 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\AMP ASMS200TR(2).D

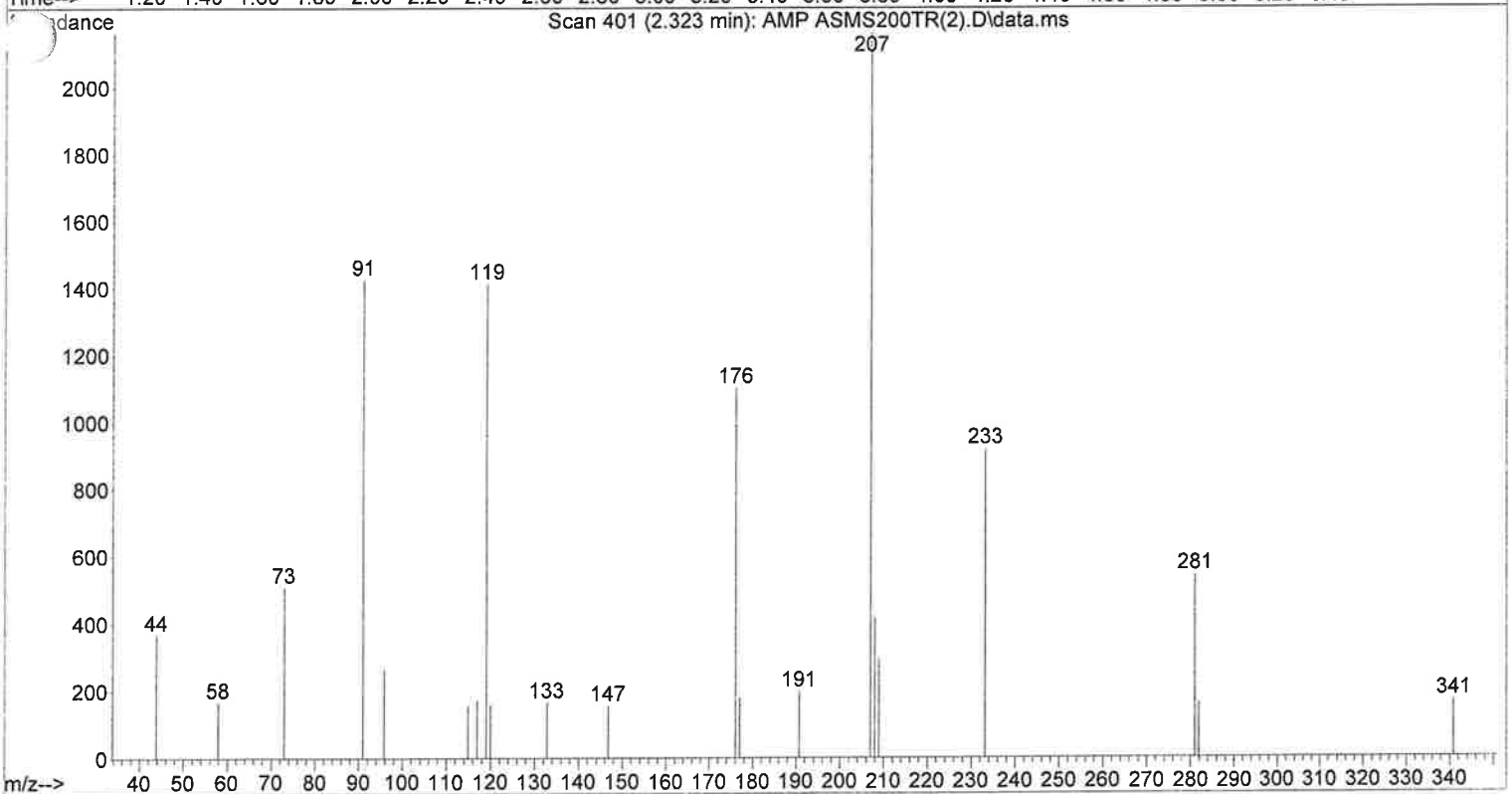
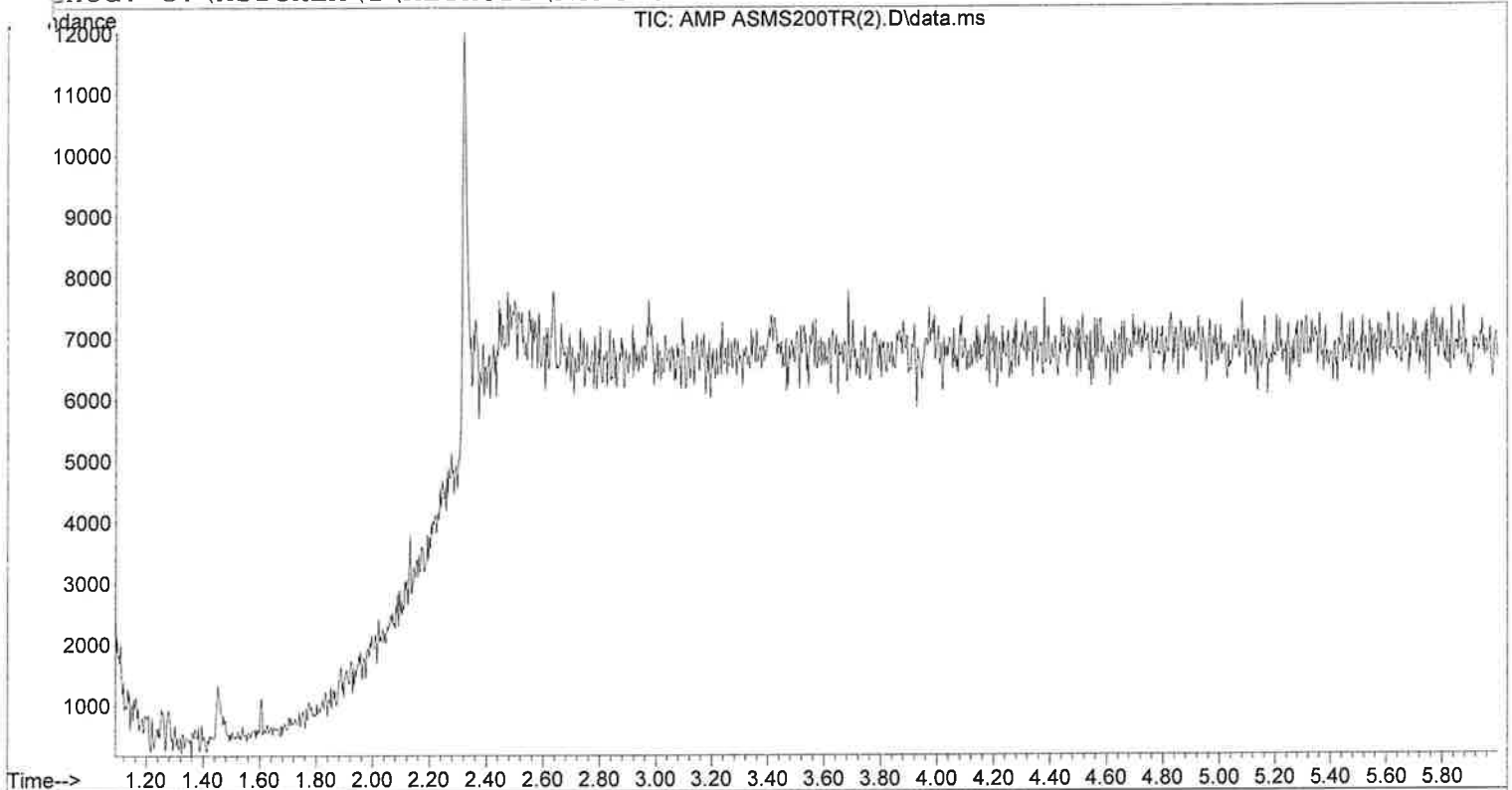
Instrument: Eggroll (model: 5975 Serial number: US61633037)

Tuned on 14 Oct 2014 12:40 pm

Acquired by NASHVILLE LAB on 14 Oct 2014 13:47

Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro

Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C

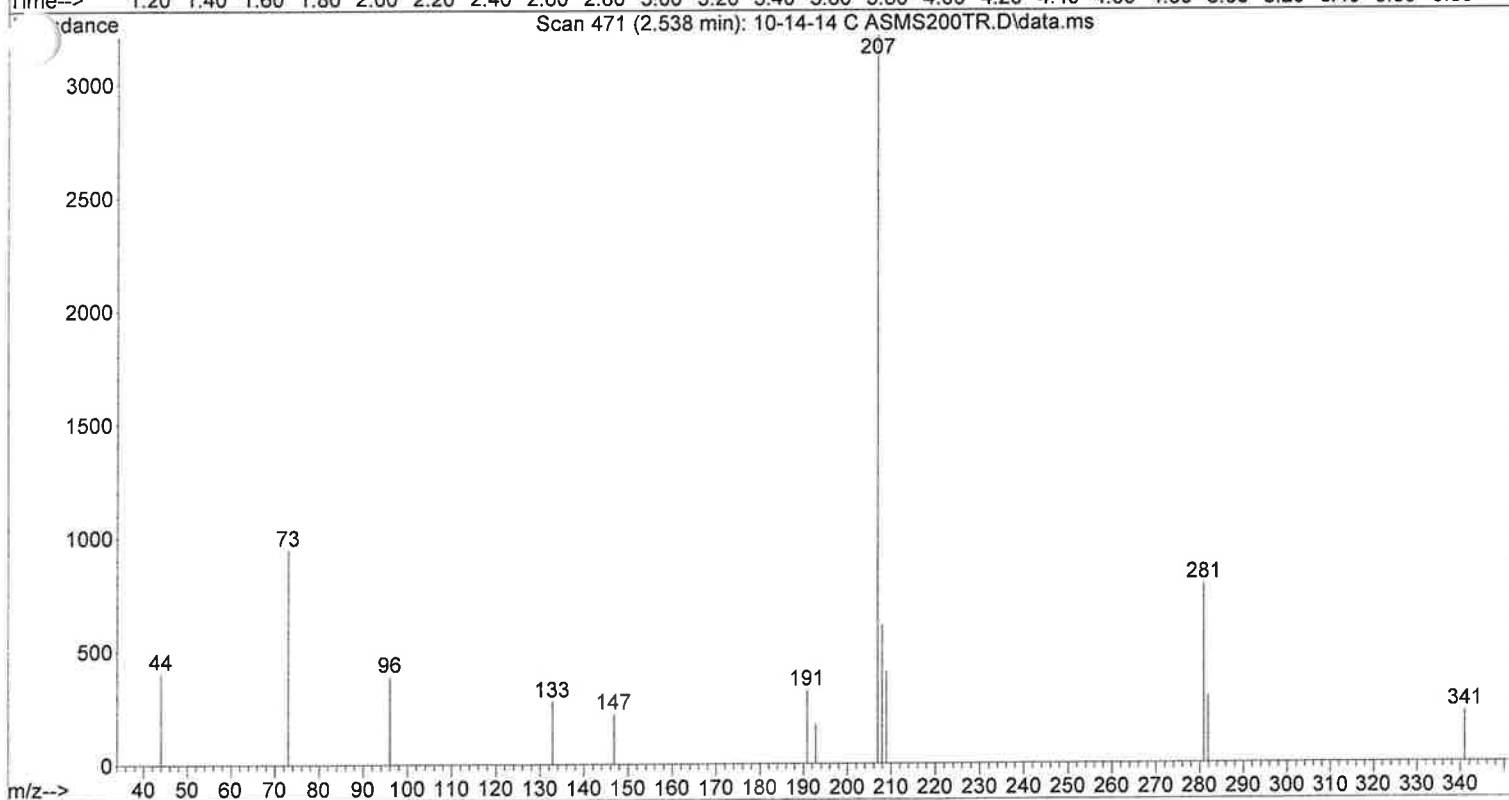
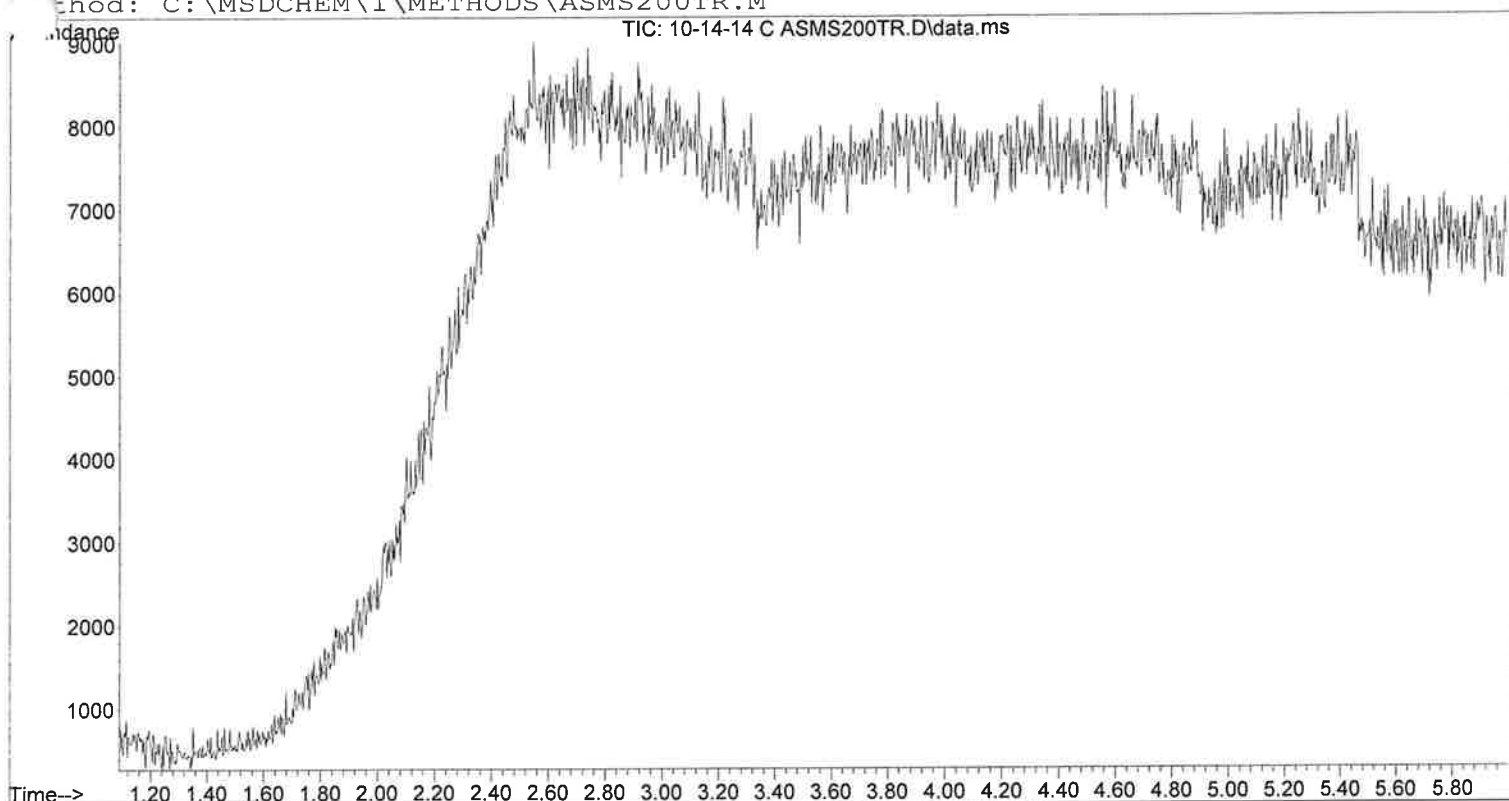
Split Ratio = 120.0000 Column Flow = 1.0012 mL/min

Column is a 12.5 meter 19091S-602

Scanned from 40.00 amu to 550.00 amu

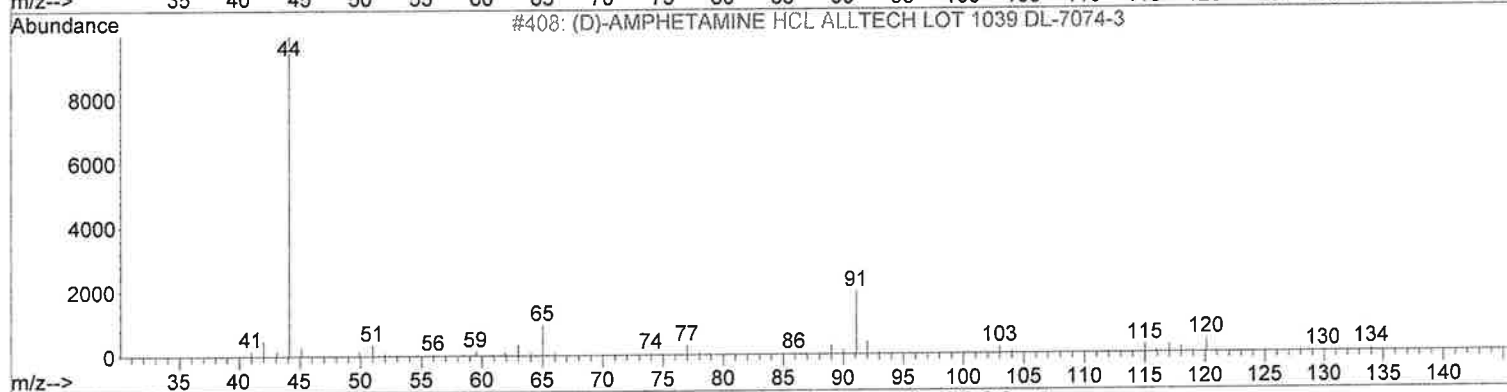
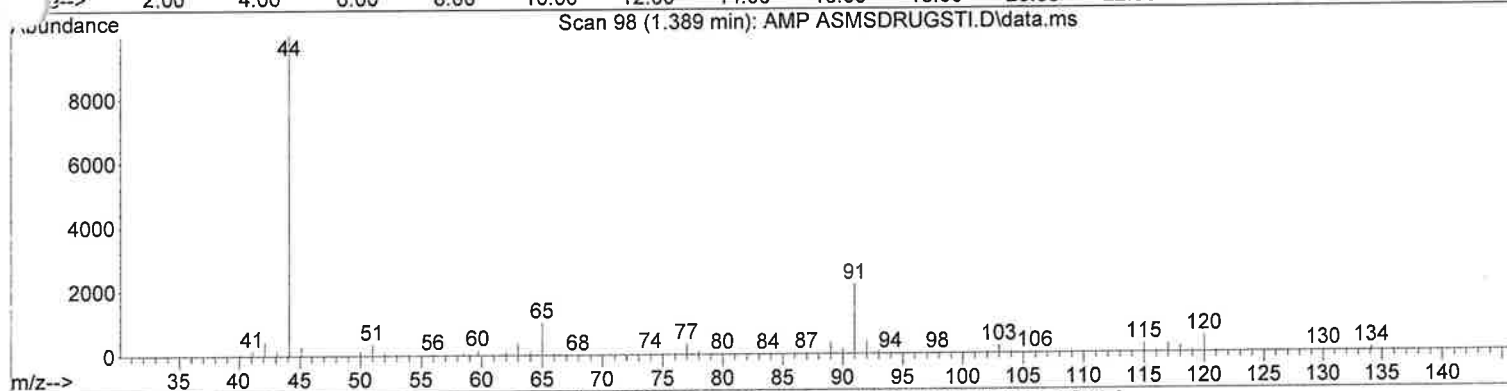
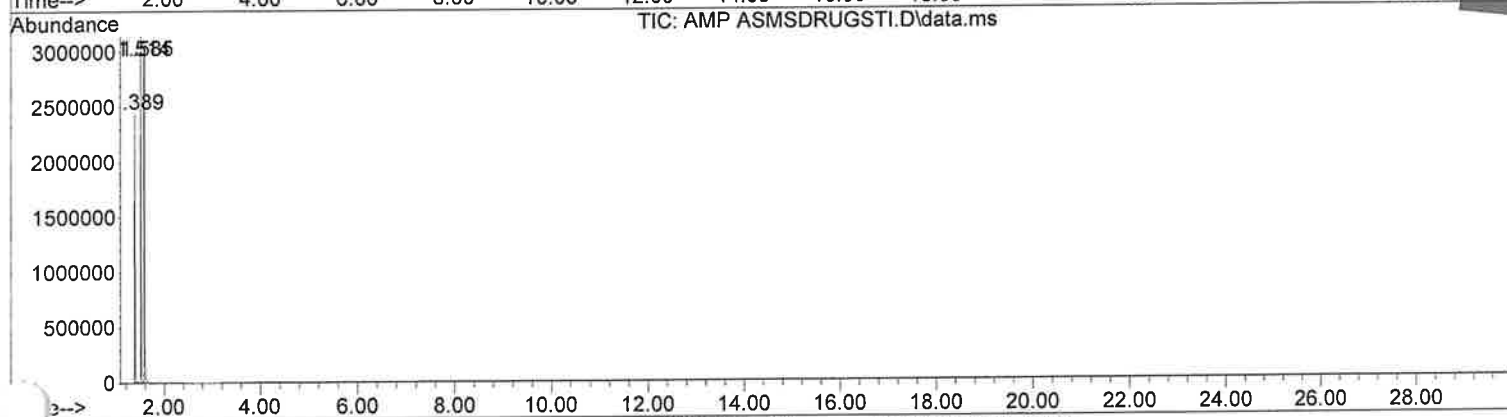
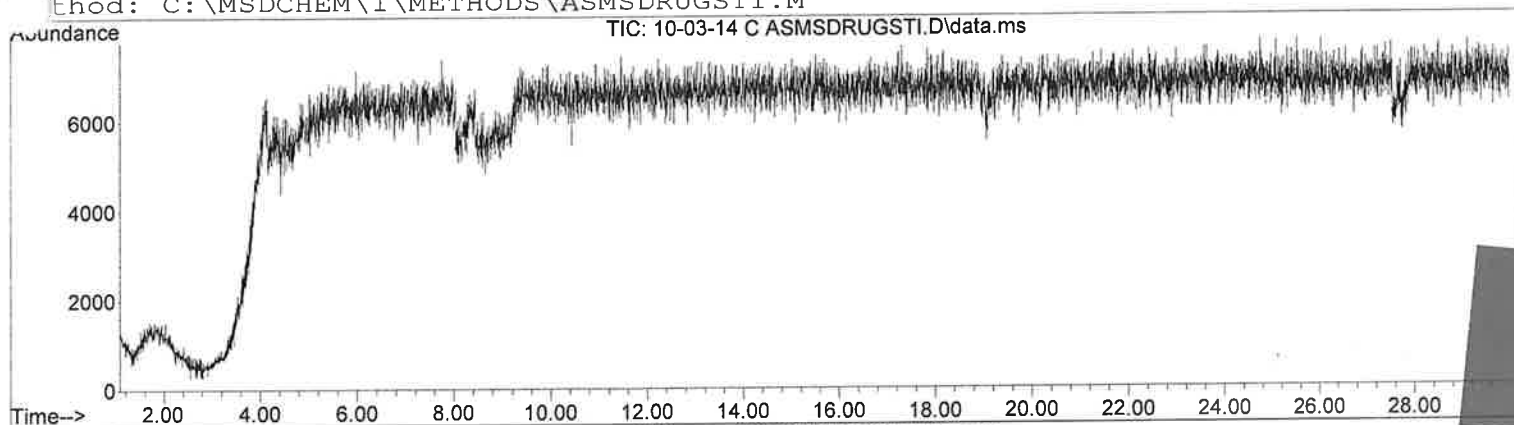
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\Oct\Validation\10-14-14 C ASMS200TR.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 14 Oct 2014 12:40 pm
Acquired by NASHVILLE LAB on 14 Oct 2014 13:39
Information: Chloroform Blank Misc. Information: Chloroform 200-280c @70c/min for
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



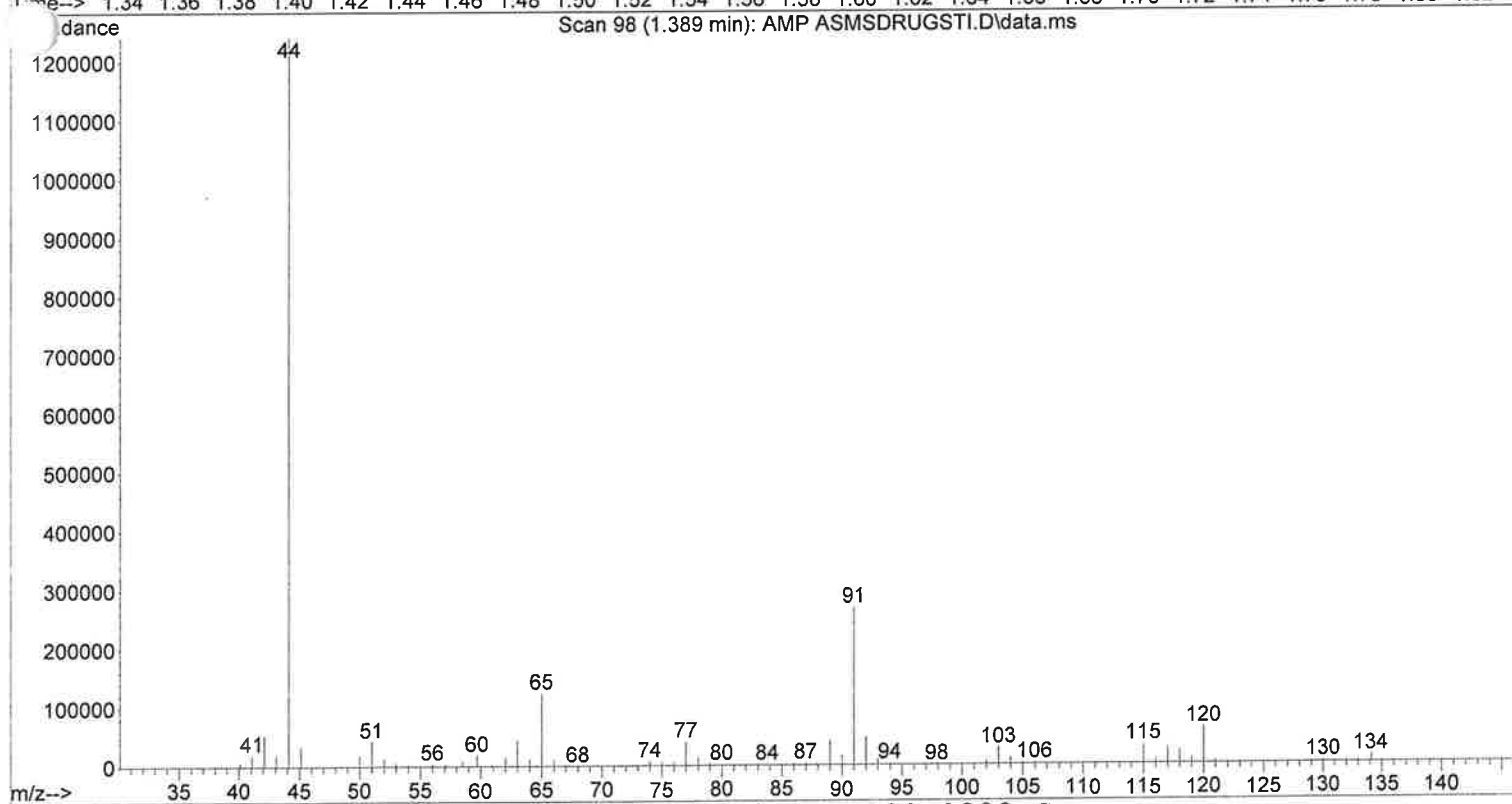
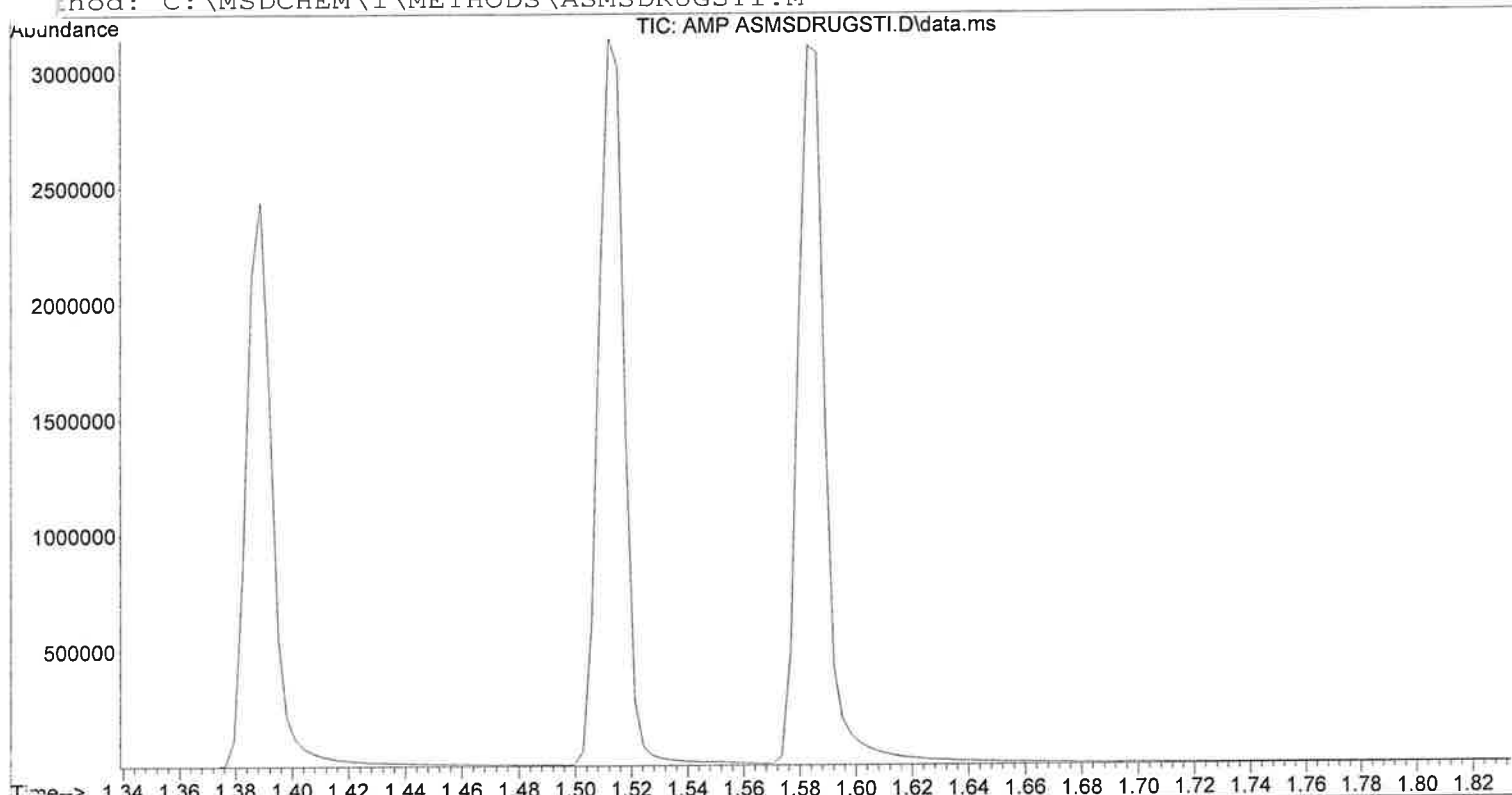
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0019 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP ASMSDRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 17:12
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



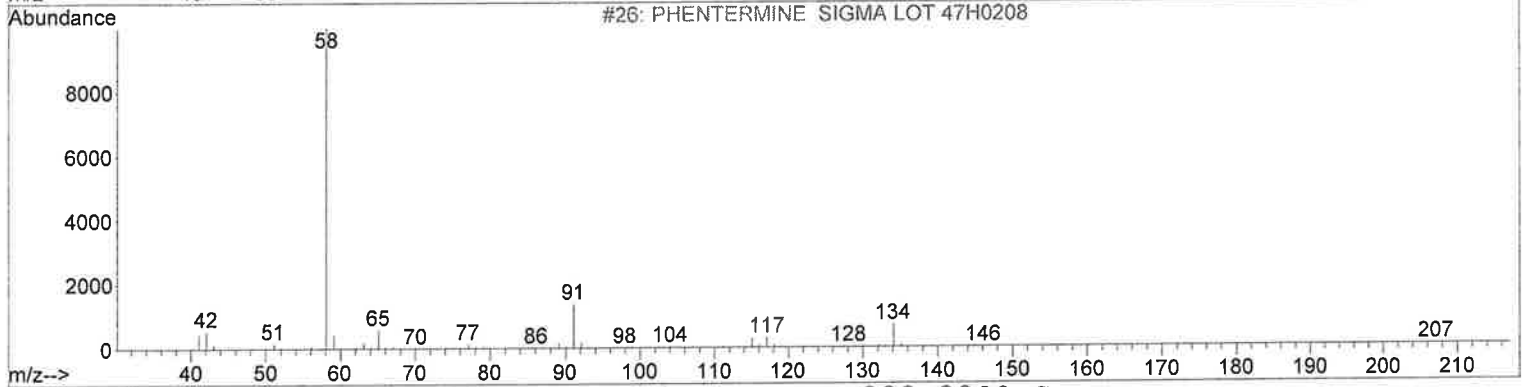
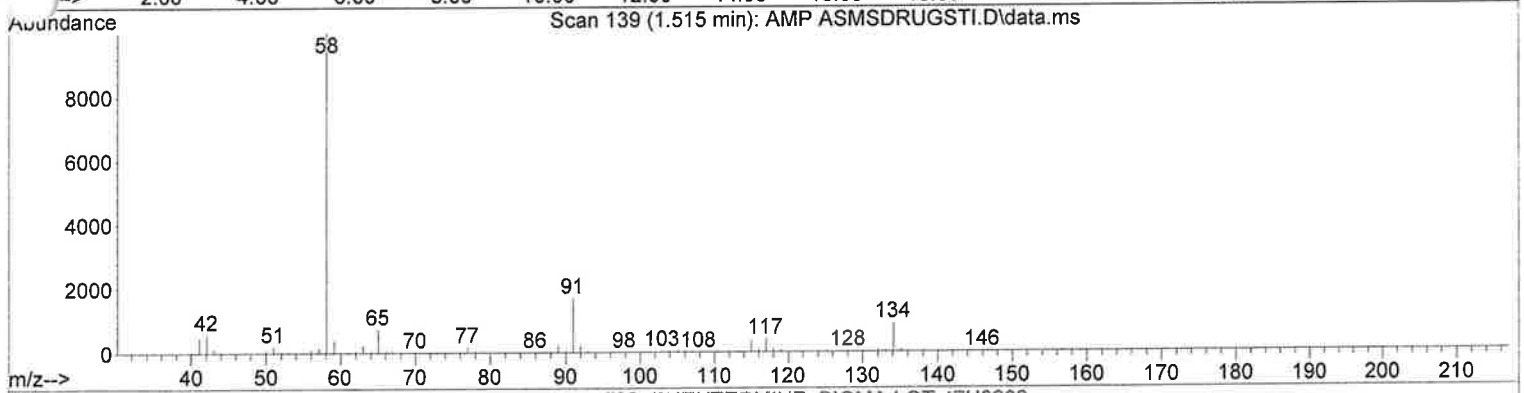
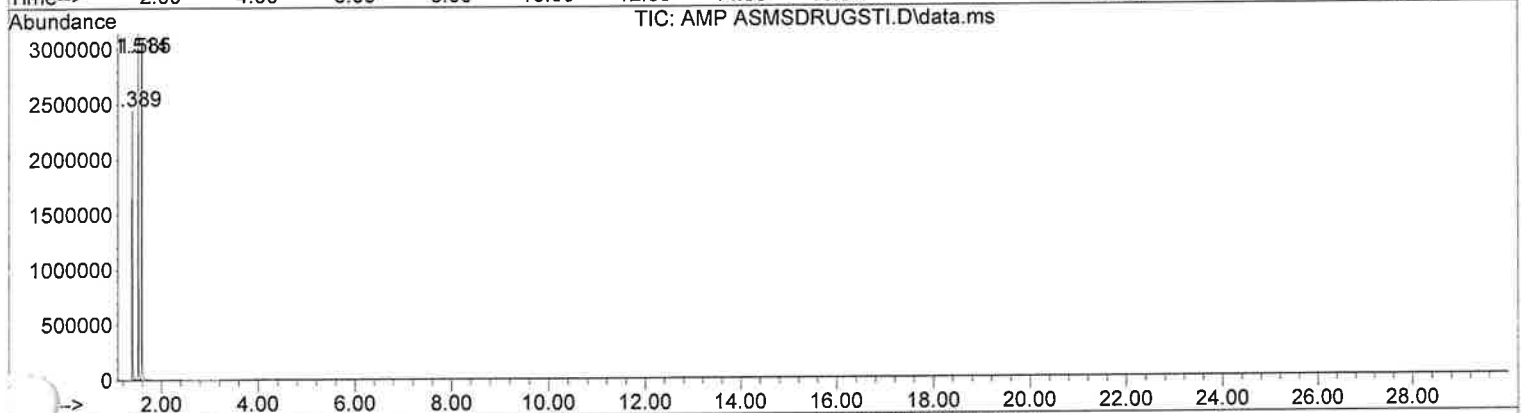
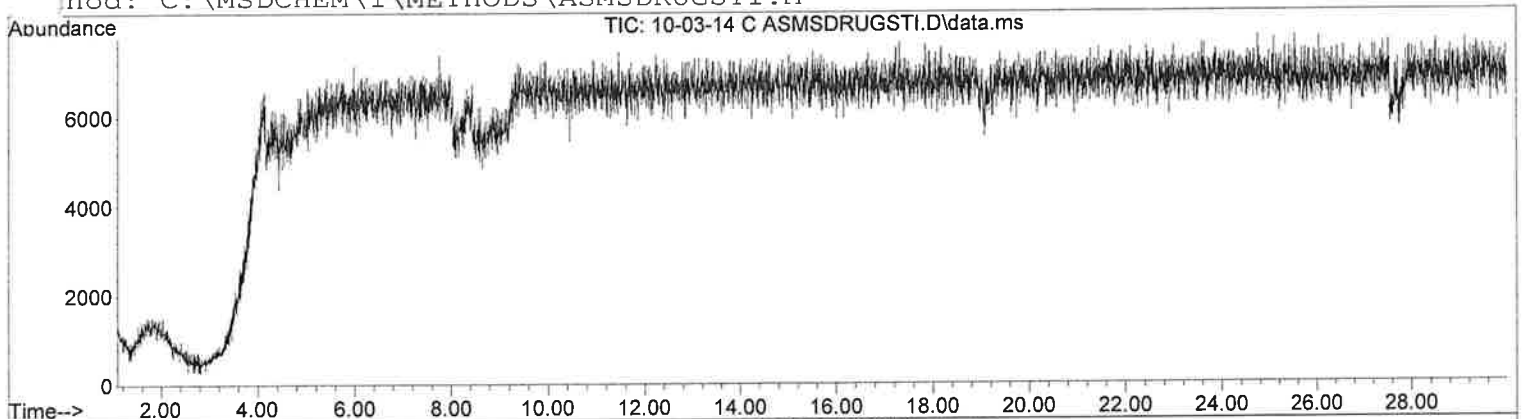
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0018 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP ASMSDRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 17:12
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



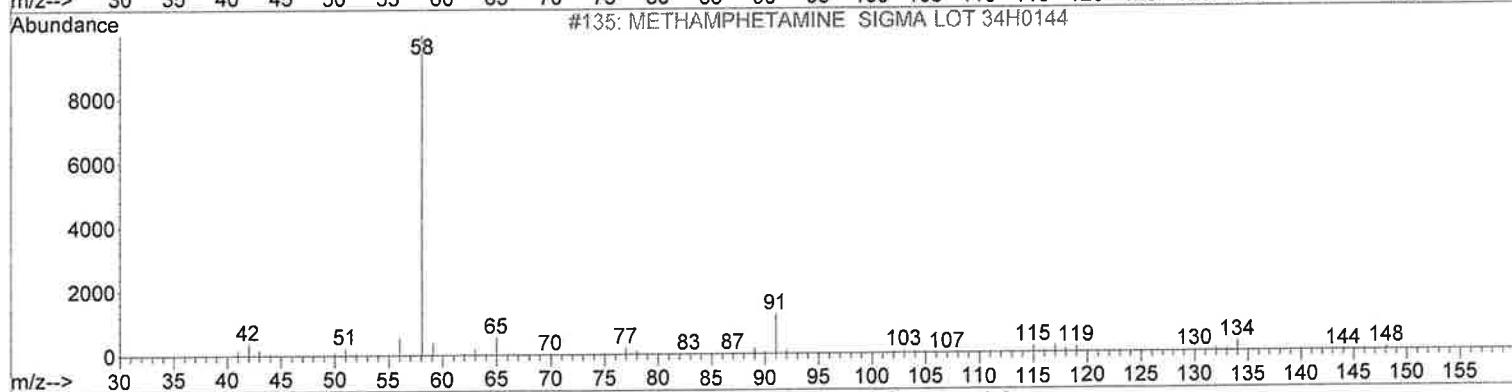
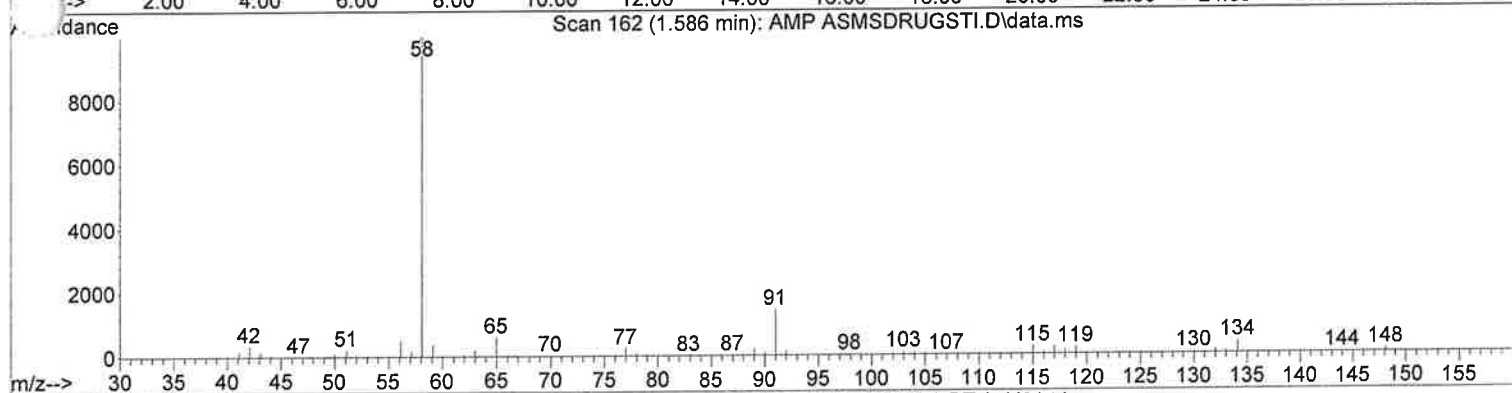
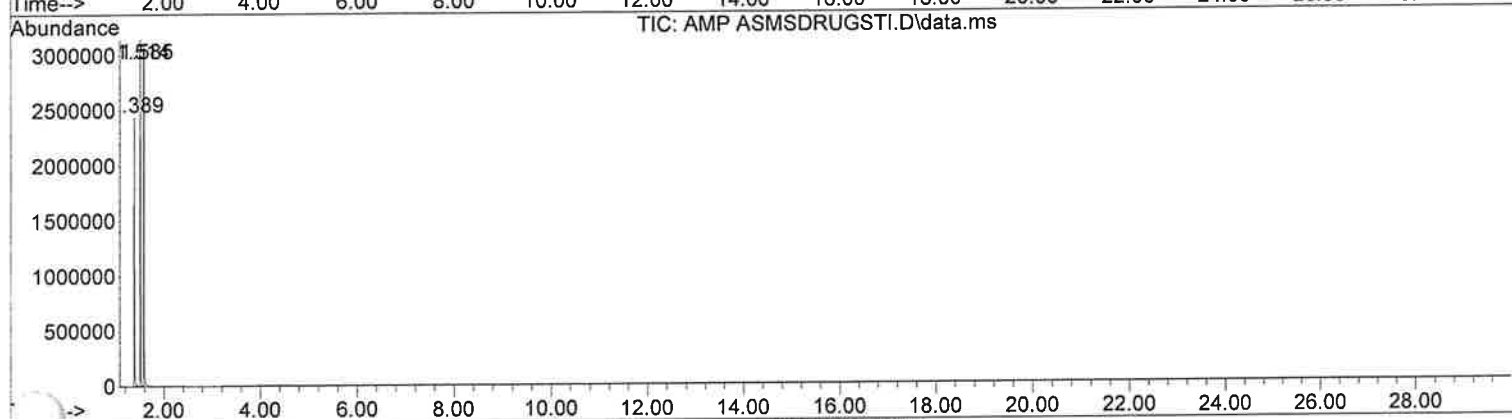
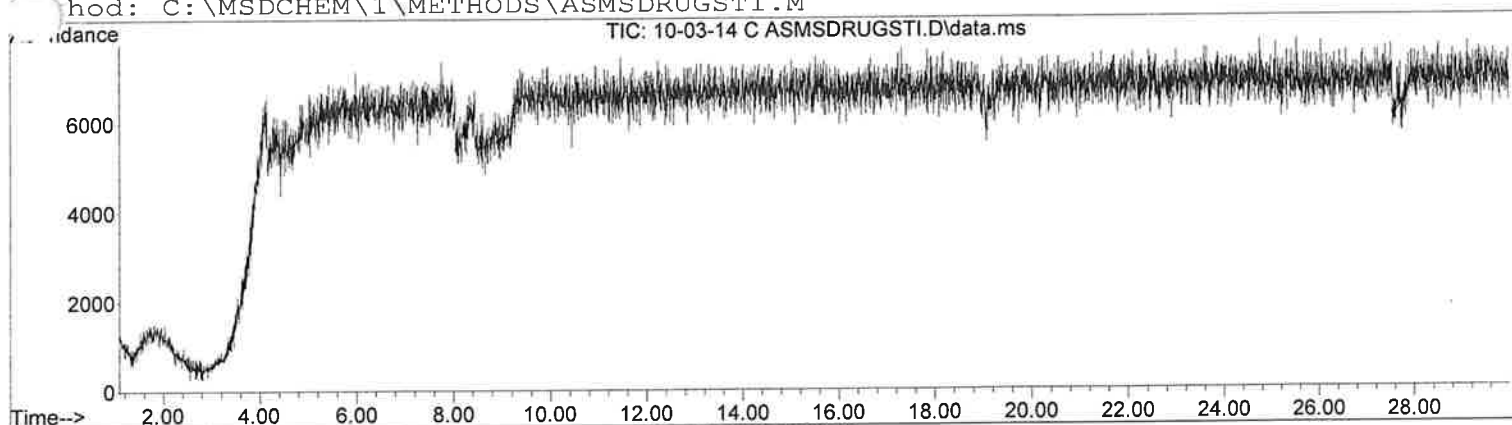
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0018 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP ASMSDRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 17:12
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



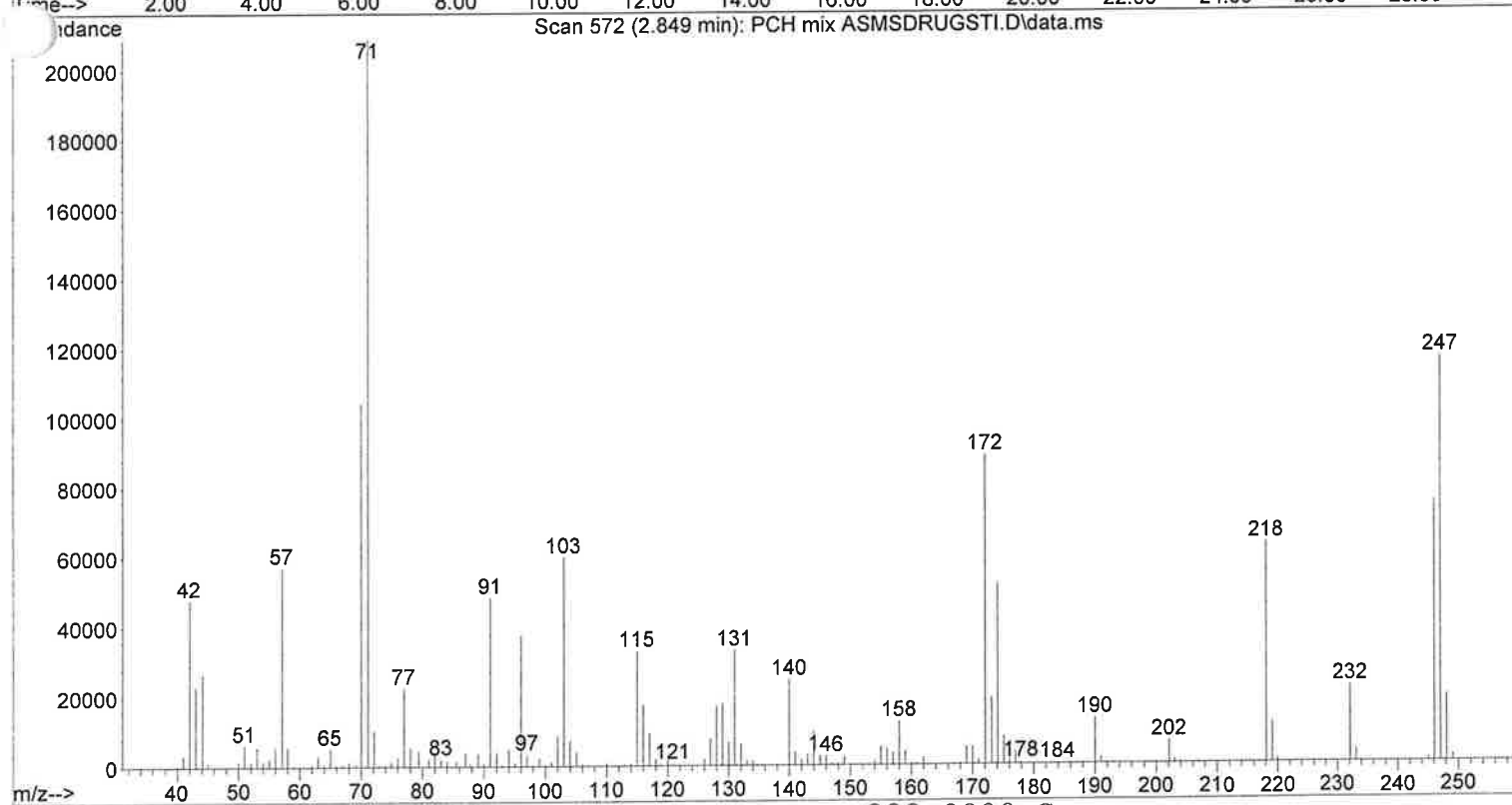
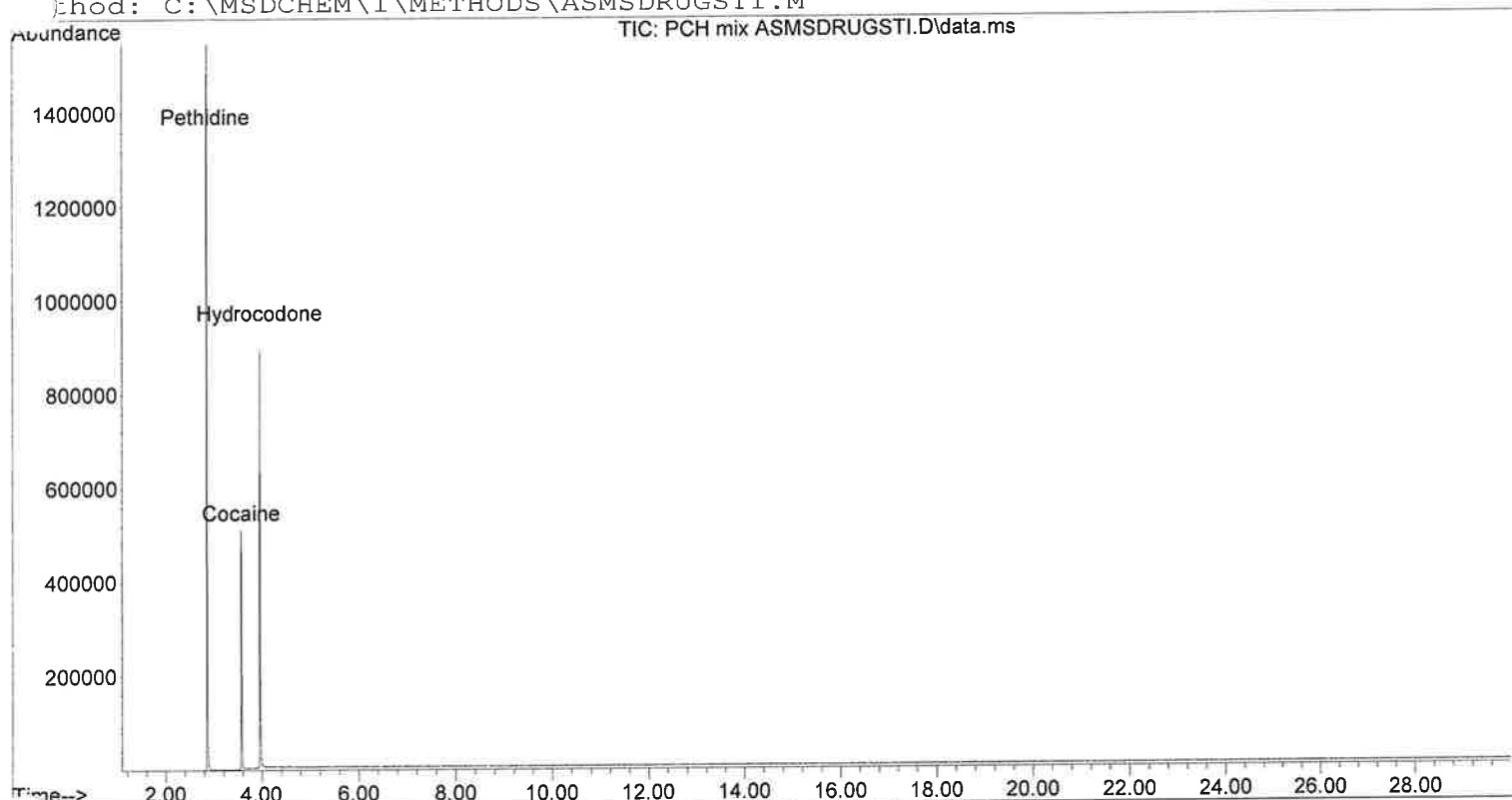
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0018 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP ASMSDRUGSTI.D
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 17:12
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



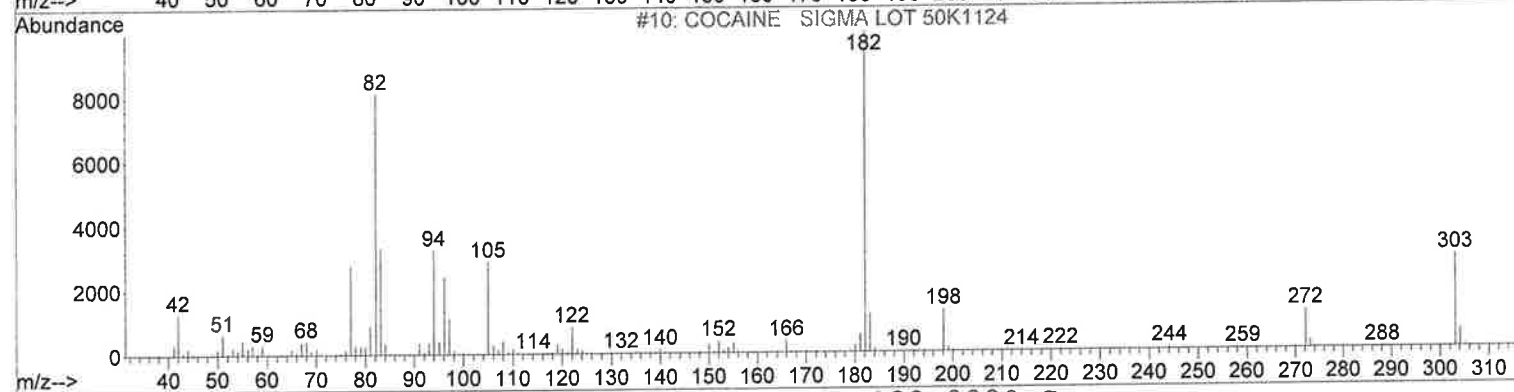
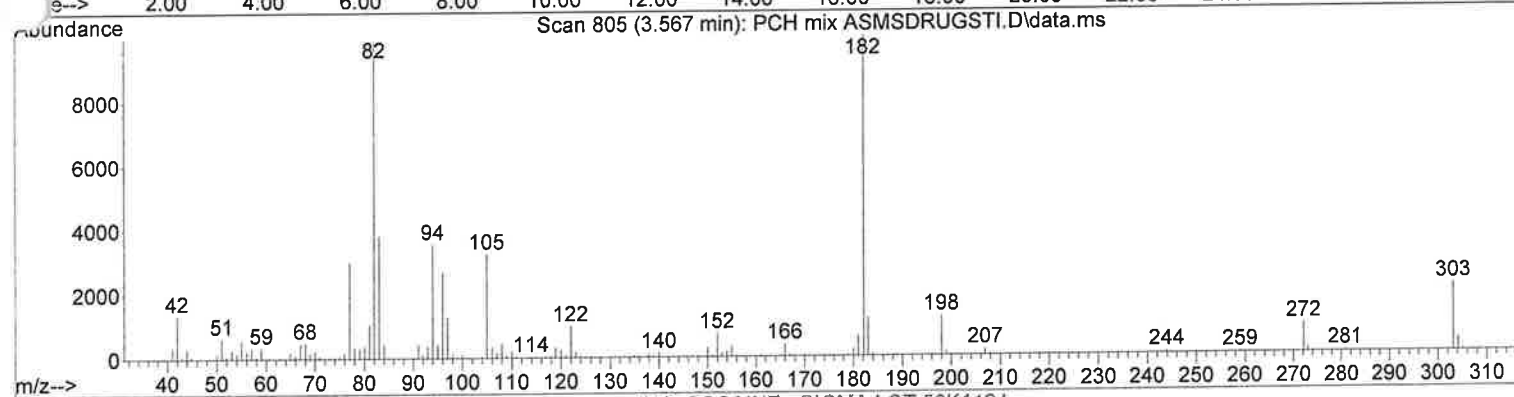
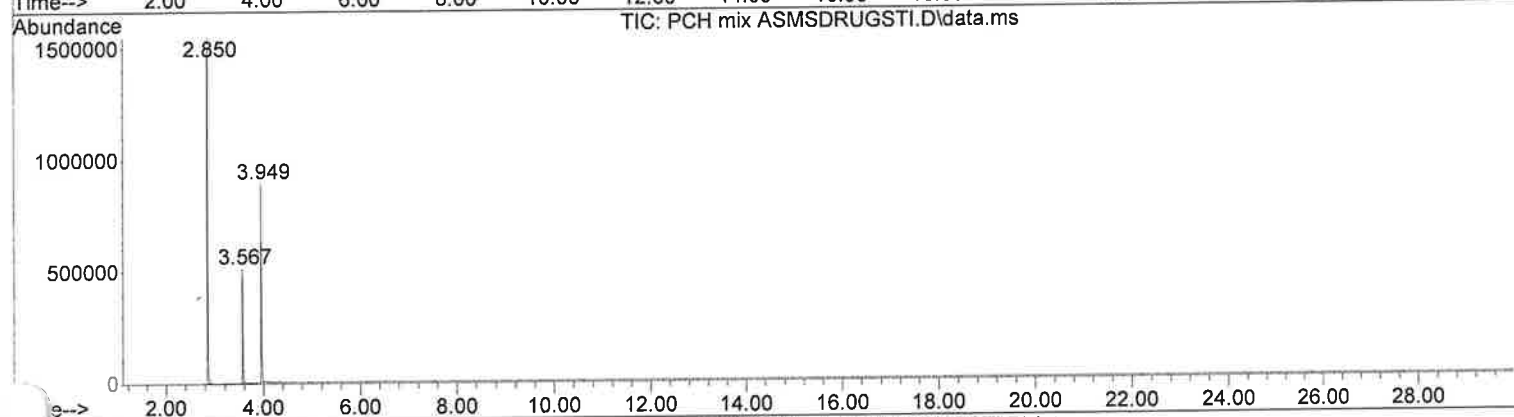
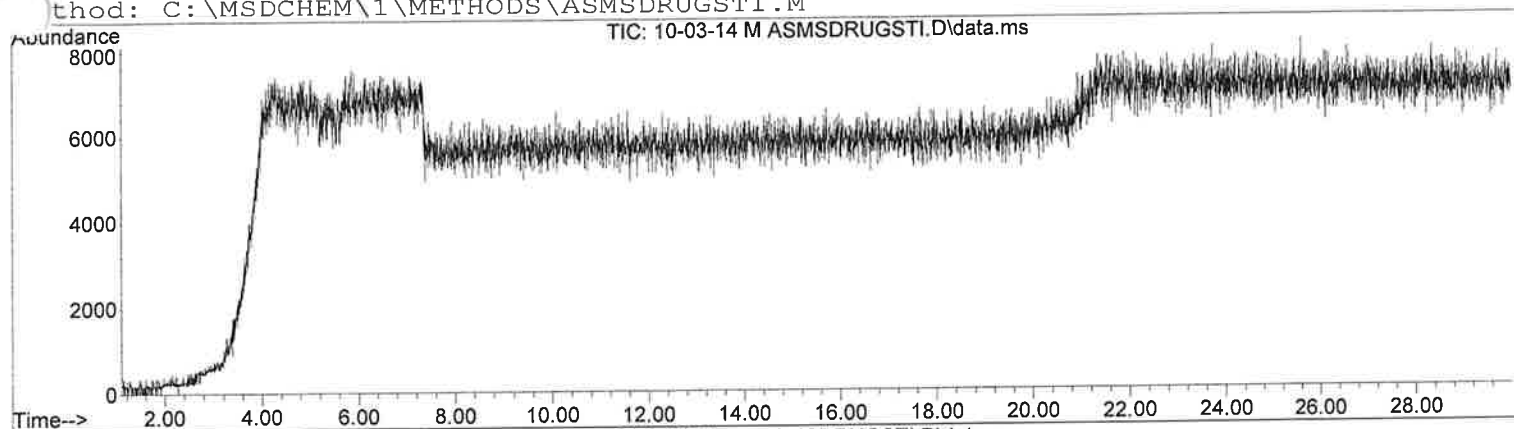
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0018 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\PCH mix ASMSDRUGSTI.M
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 18:17
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280°C
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



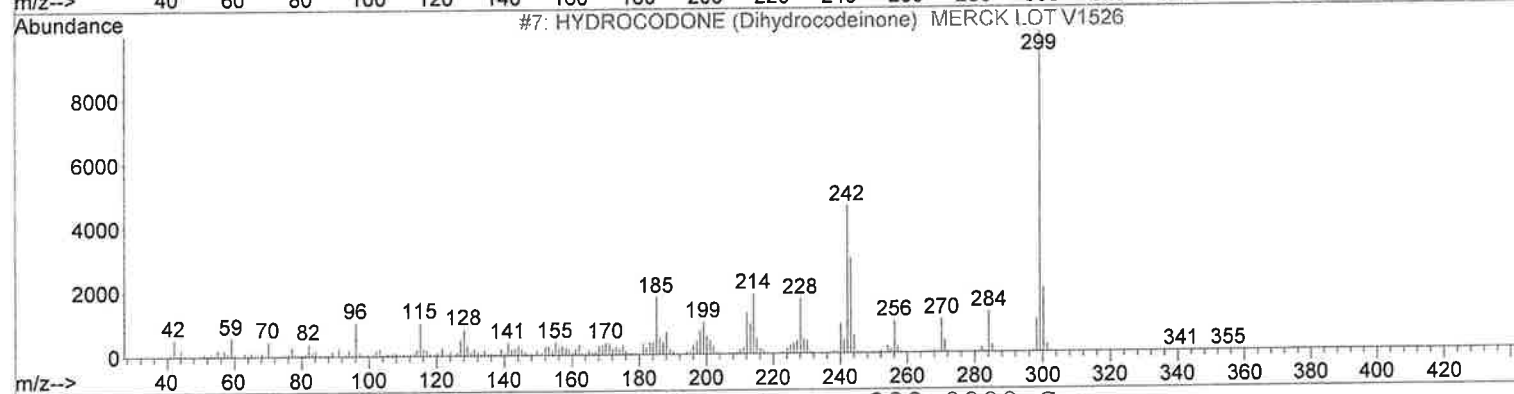
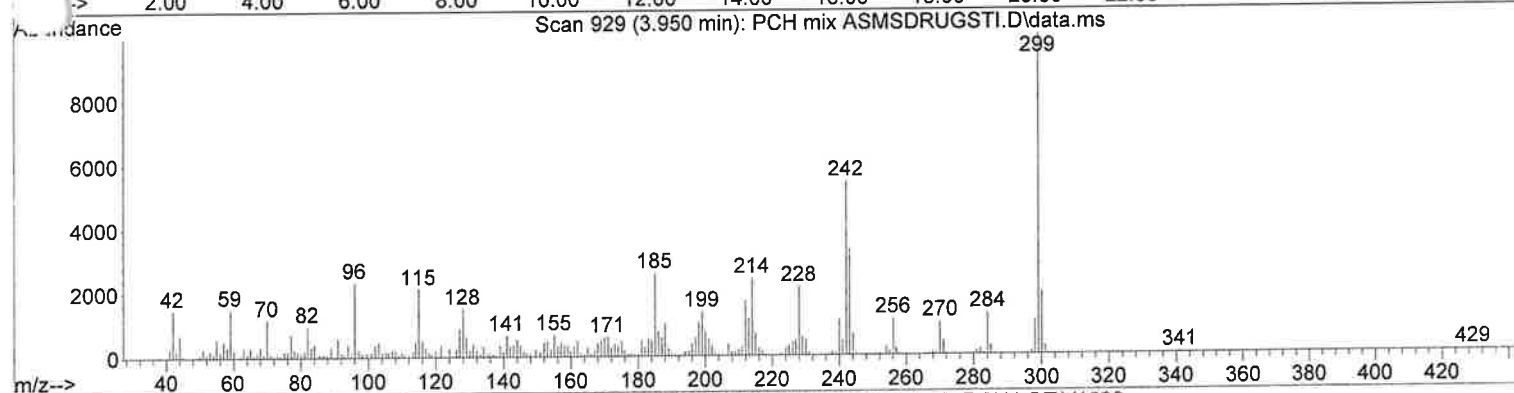
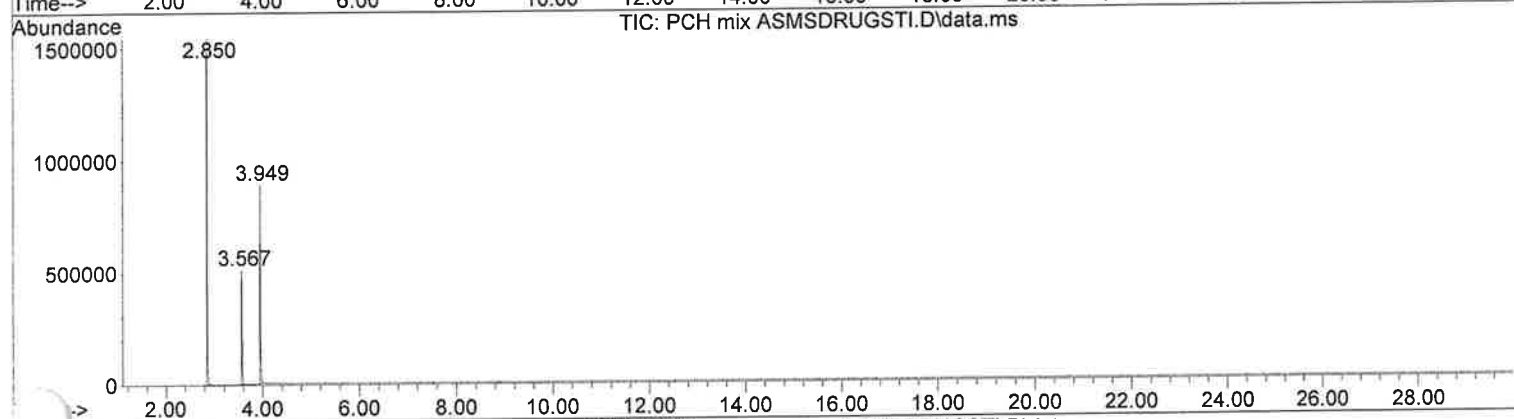
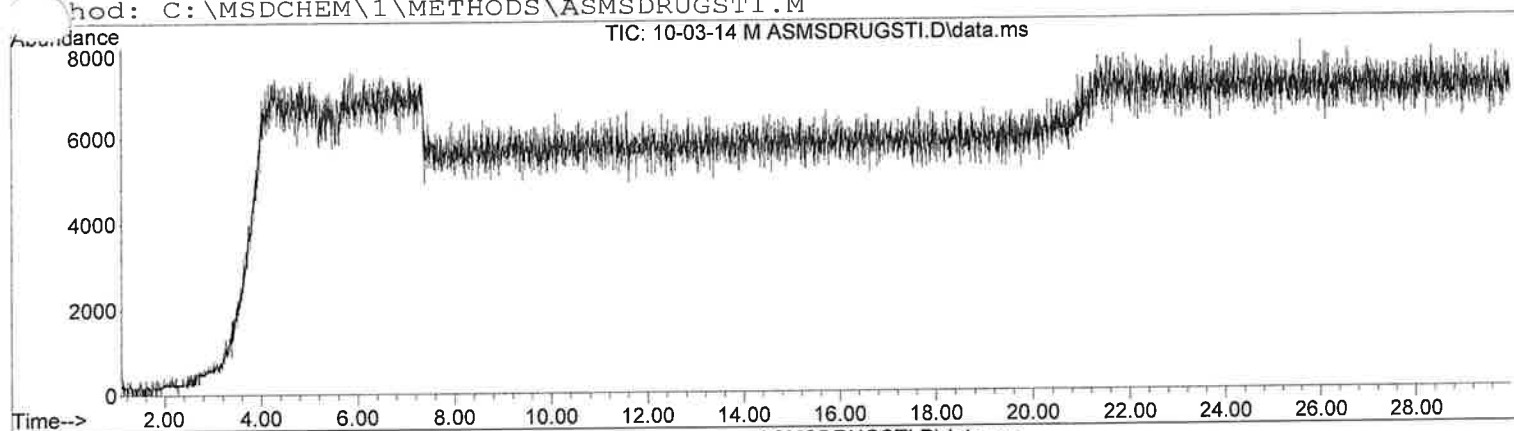
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0012 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\PCH mix ASMSDRUGSTI
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 18:17
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



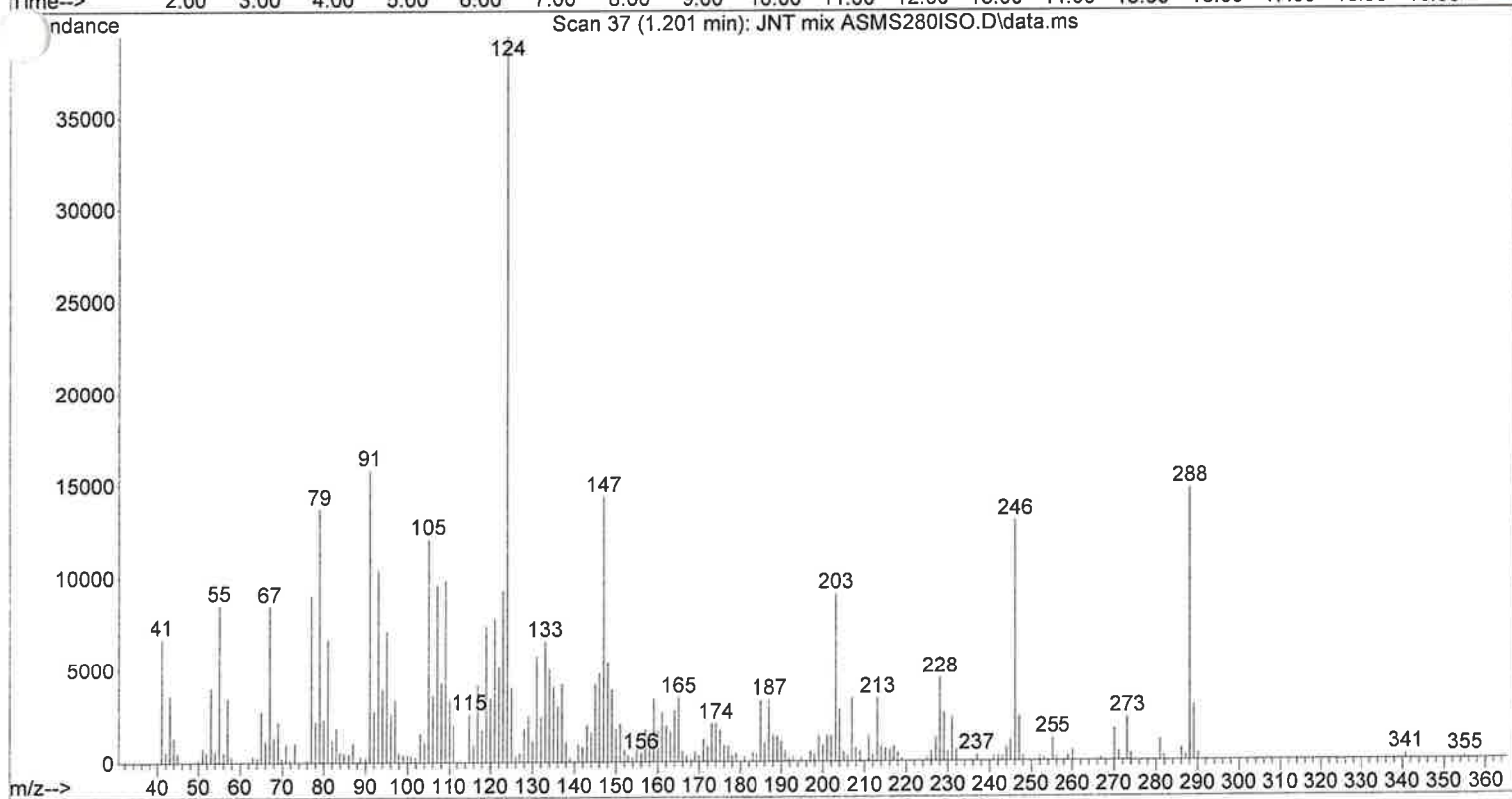
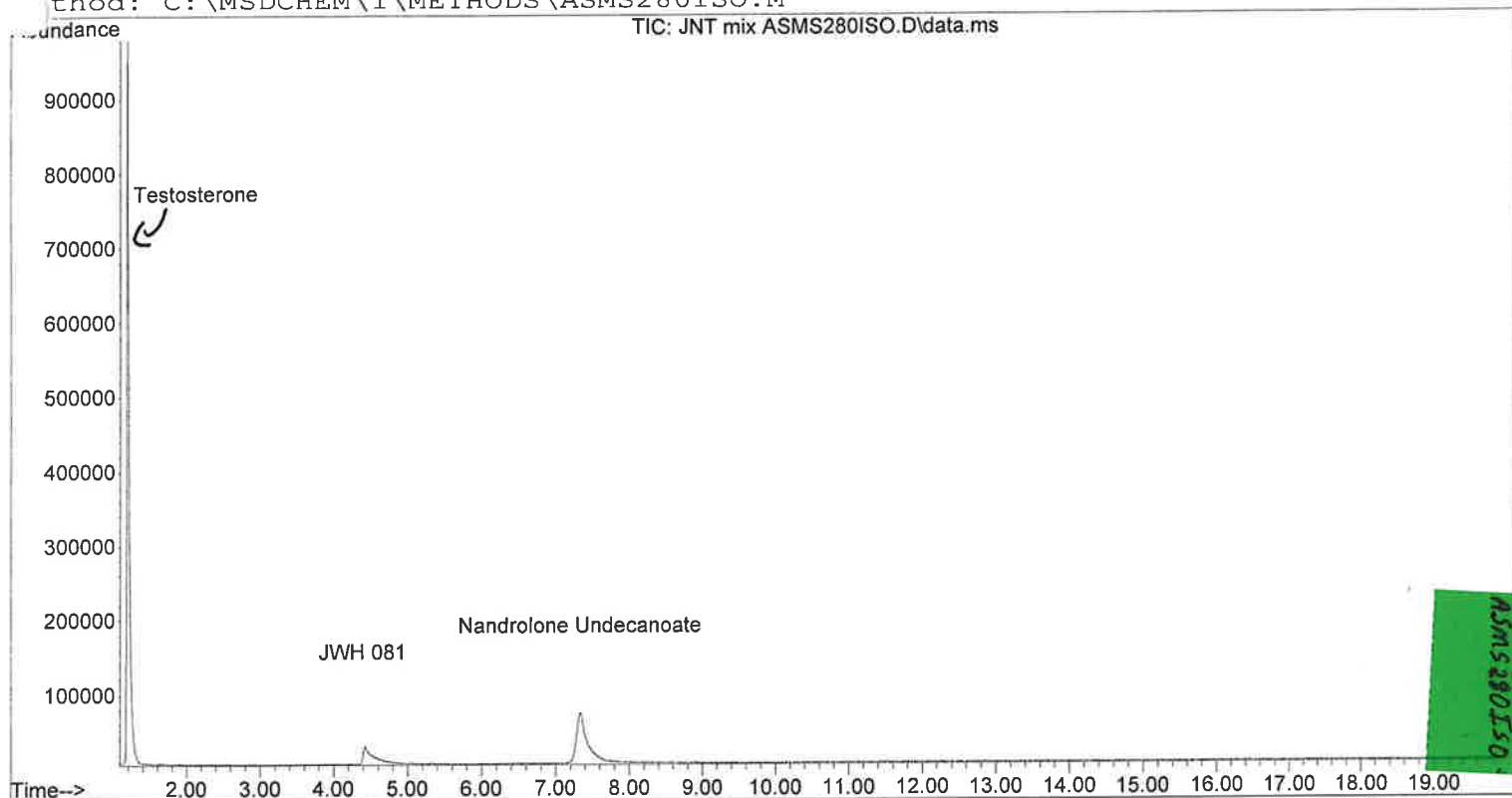
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0012 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\PCH mix ASMSDRUGSTI.M
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 18:17
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280°C
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



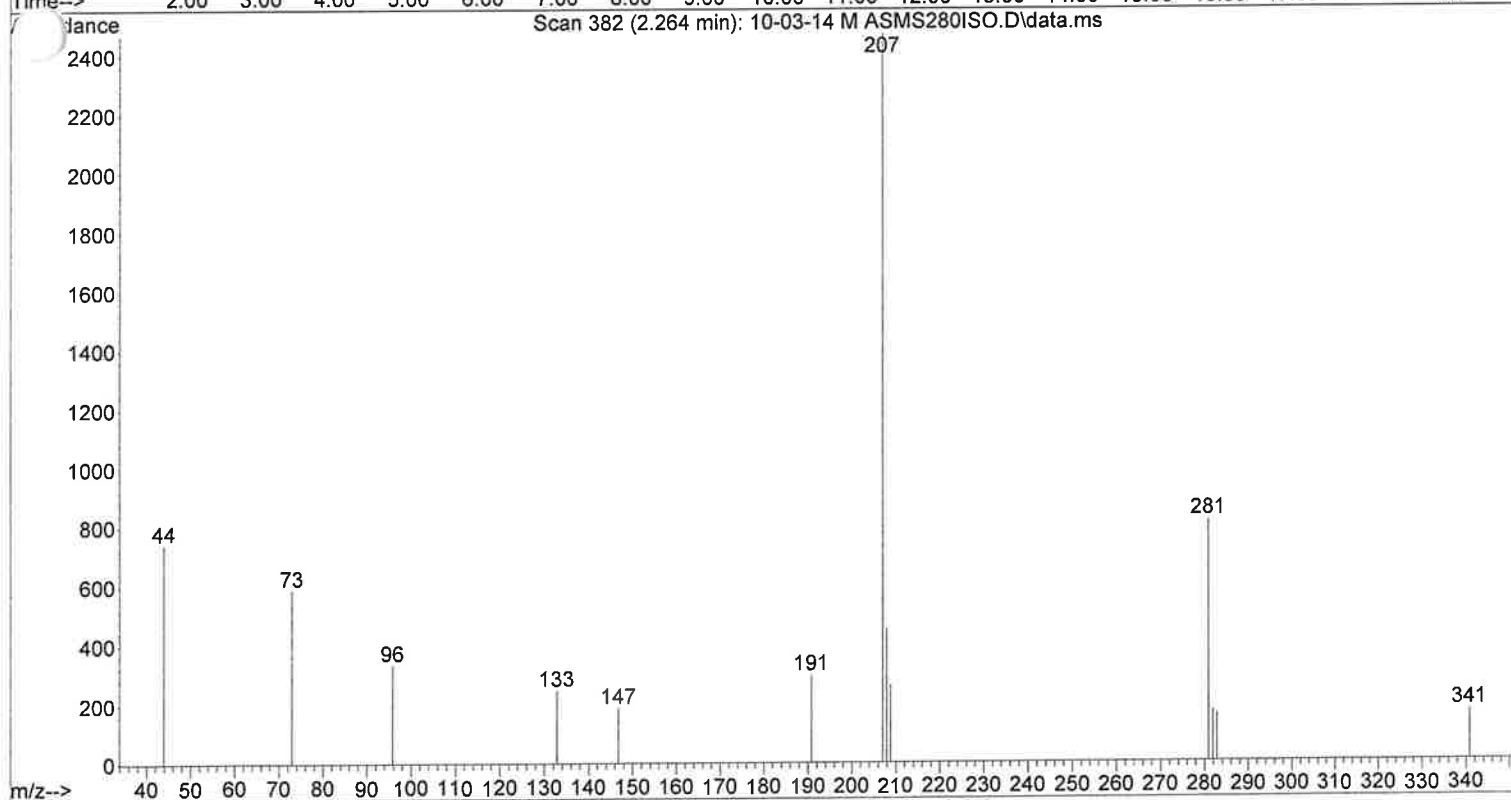
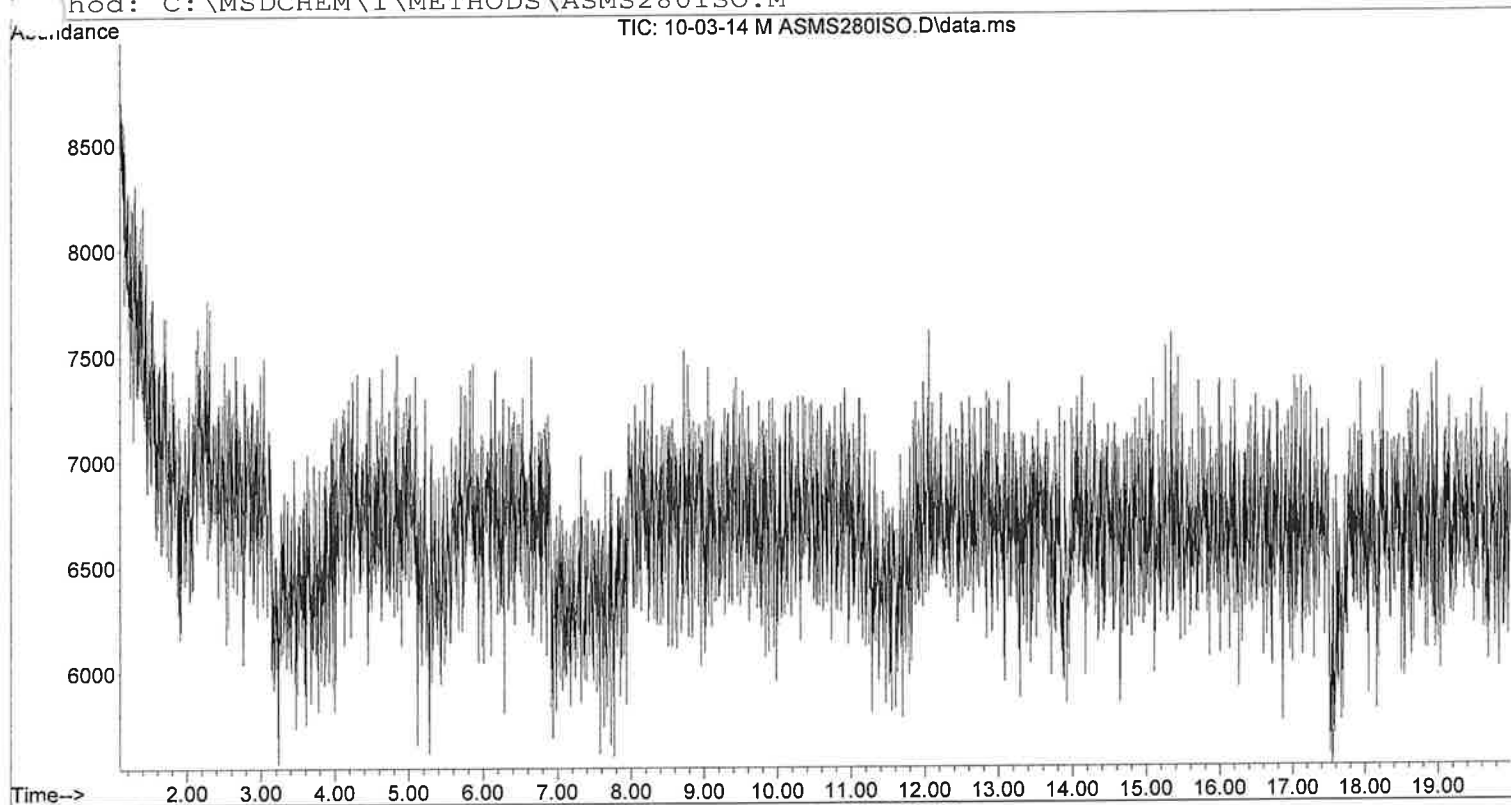
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 120.0000 Column Flow = 1.0012 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 100 C for 1 min, Ramped at 70 C/min to 280 C

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\JNT mix ASMS280ISO
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 20:27
Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Met
thod: C:\MSDCHEM\1\METHODS\ASMS280ISO.M



Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0000 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

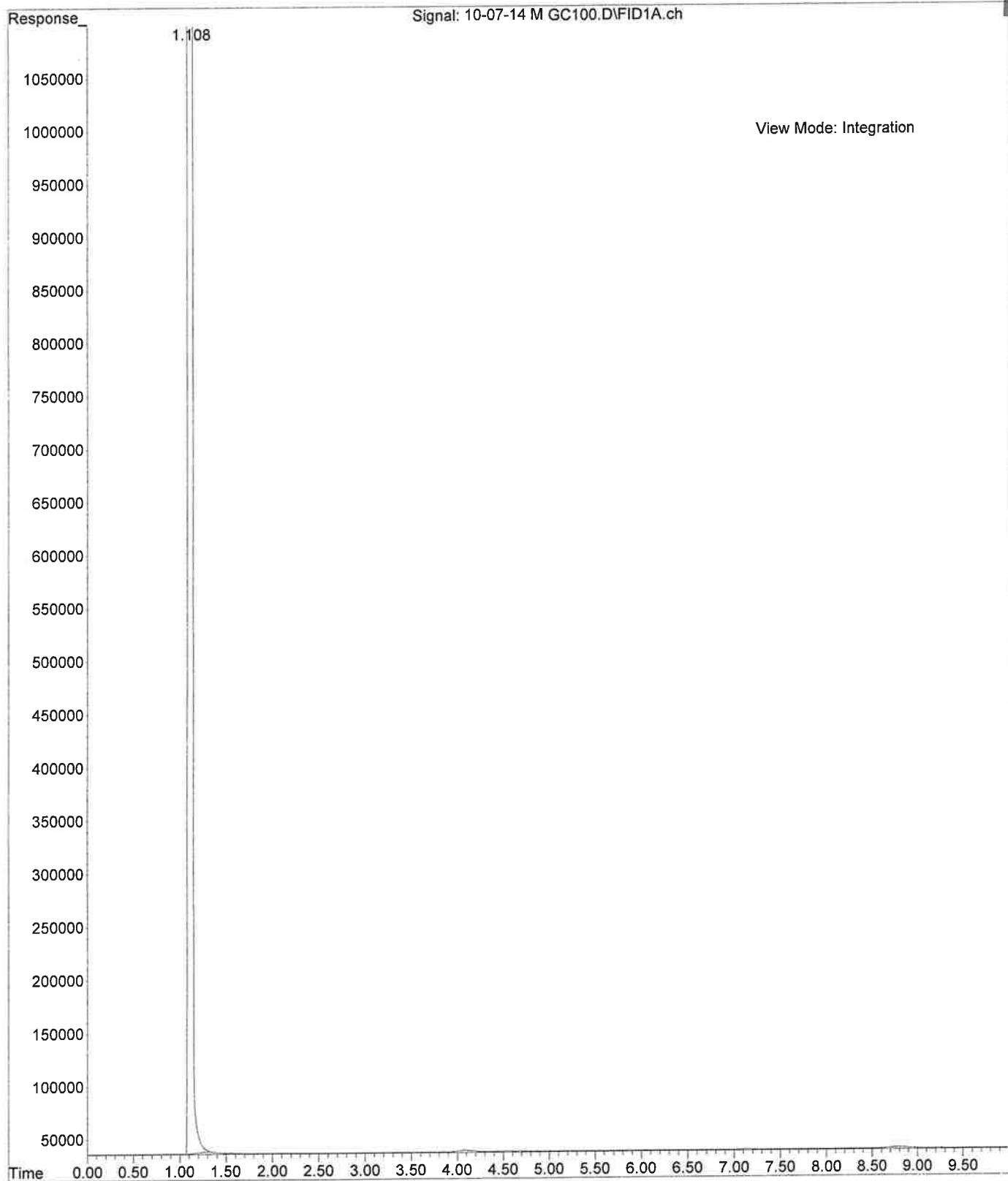
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 M ASMS280:
Instrument: Eggroll (model: 5975 Serial number: US61633037)
Tuned on 29 Sep 2014 8:09 am
Acquired by NASHVILLE LAB on 3 Oct 2014 20:05
Information: Methanol blank Misc. Information: Methanol 280c for 20 min
Method: C:\MSDCHEM\1\METHODS\ASMS280ISO.M



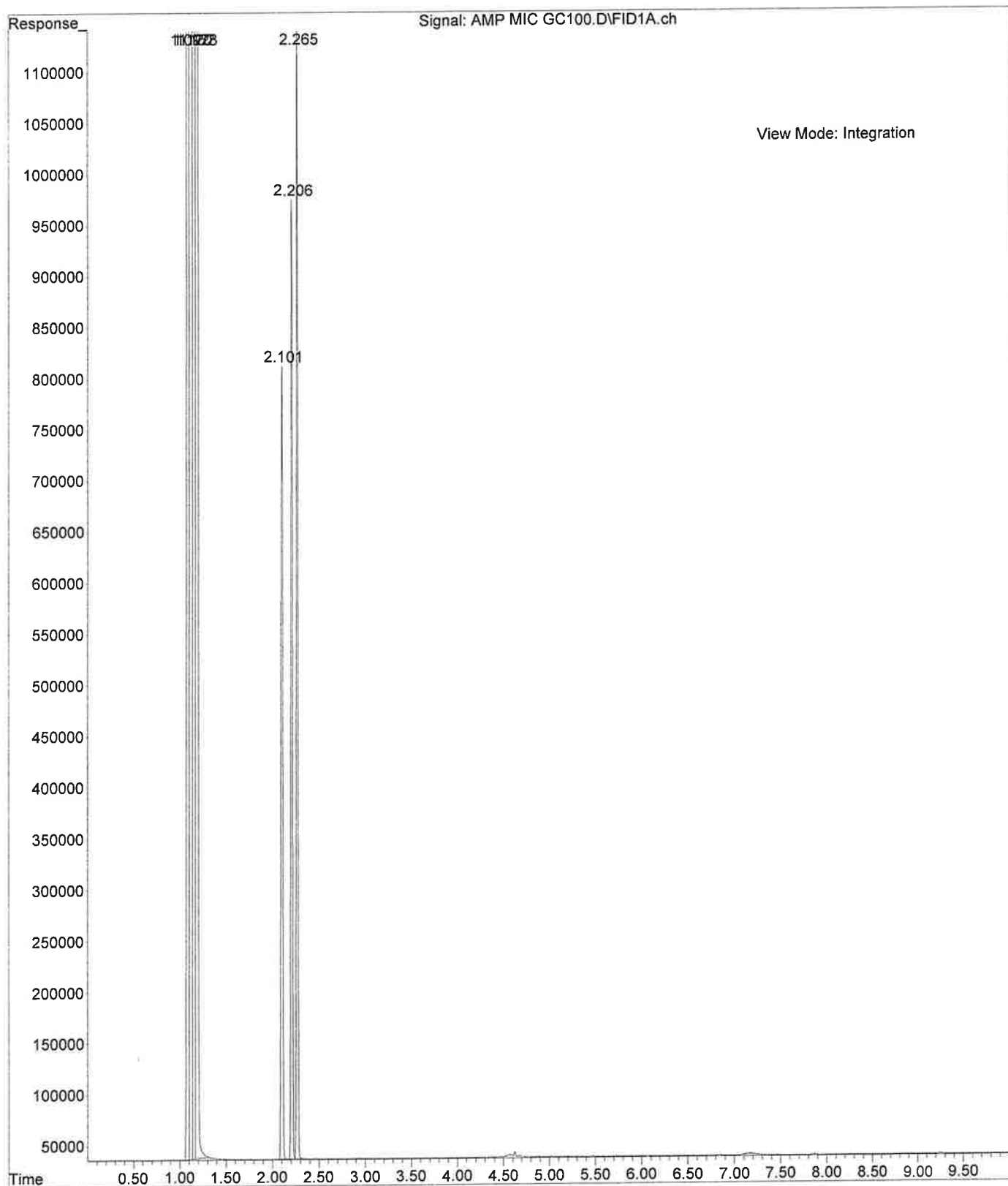
Injection Temp = 250.0000 C Transfer Line = 280.0000 C
Split Ratio = 75.0000 Column Flow = 1.0000 mL/min
The column is a 12.5 meter 19091S-602
Scanned from 40.00 amu to 550.00 amu
Initial temp 200 C for 1 min, Ramped at 70 C/min to 280 C

File :D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 M GC100.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 10:09 using AcqMethod GC100.M
Instrument : Eggroll
Sample Name: Methanol Blank
Misc Info : Methanol 100 -280c @70c/min for 10 min
Vial Number: 5

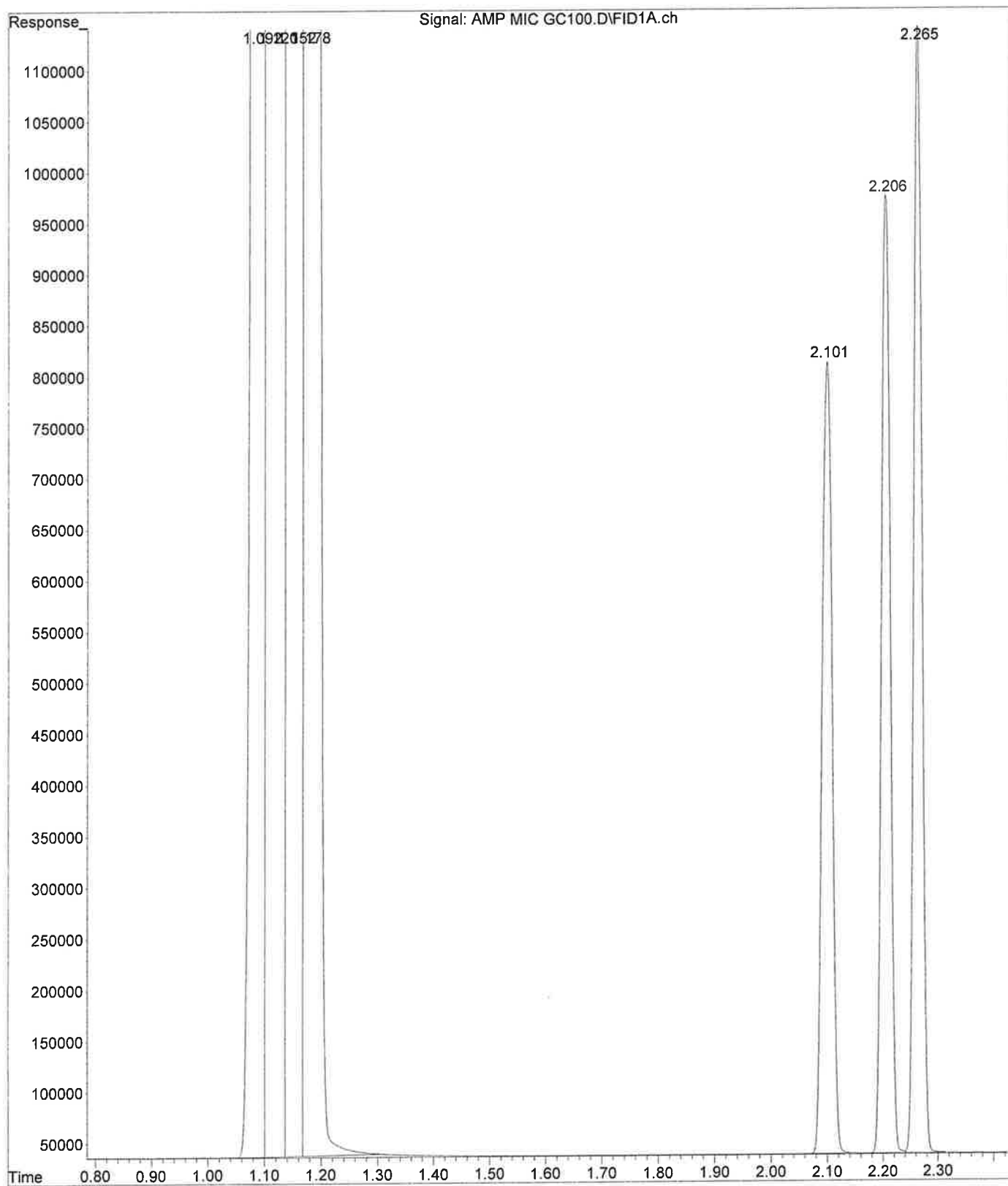
GC100



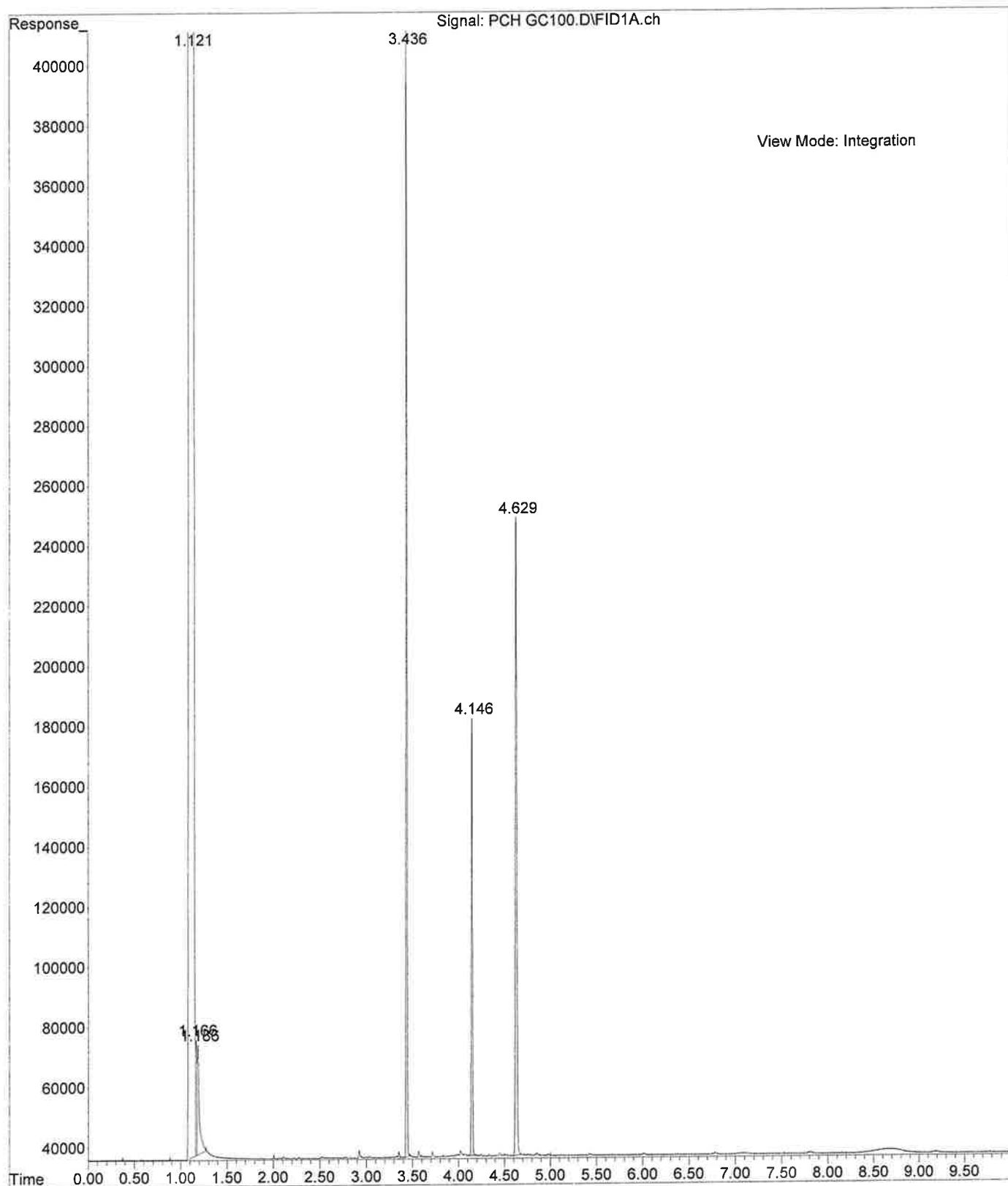
File :D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIC GC100.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 9:55 using AcqMethod GC100.M
Instrument : Eggroll
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroforml 100 -280c @70c/min for 10 min
Vial Number: 5



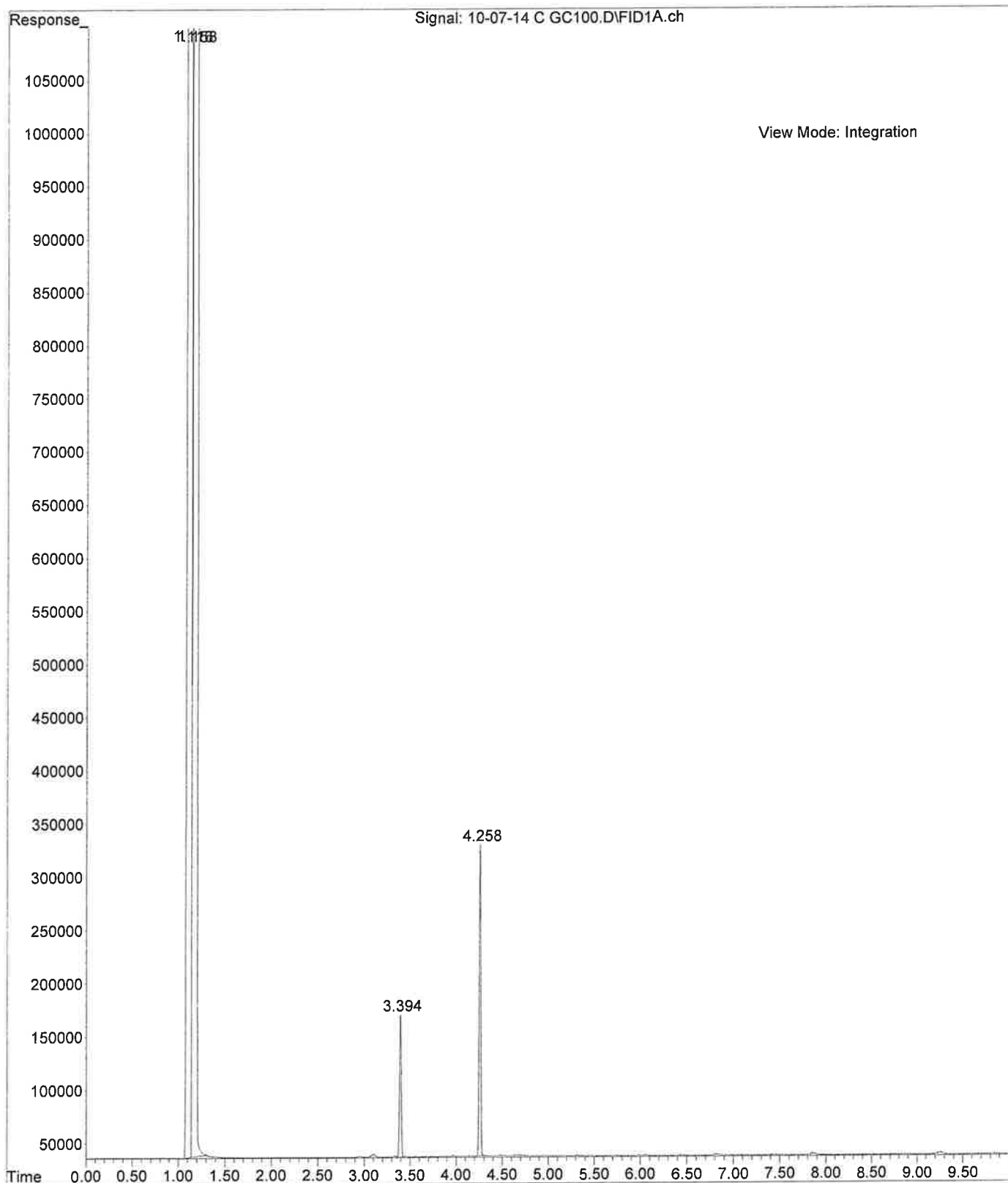
File :D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIC GC100.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 9:55 using AcqMethod GC100.M
Instrument : Eggroll
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroforml 100 -280c @70c/min for 10 min
Vial Number: 5



File :D:\Data\LJ\nashville 2014\Oct\Validation\PCH GC100.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 10:22 using AcqMethod GC100.M
Instrument : Eggroll
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100 -280c @70c/min for 10 min
Vial Number: 5

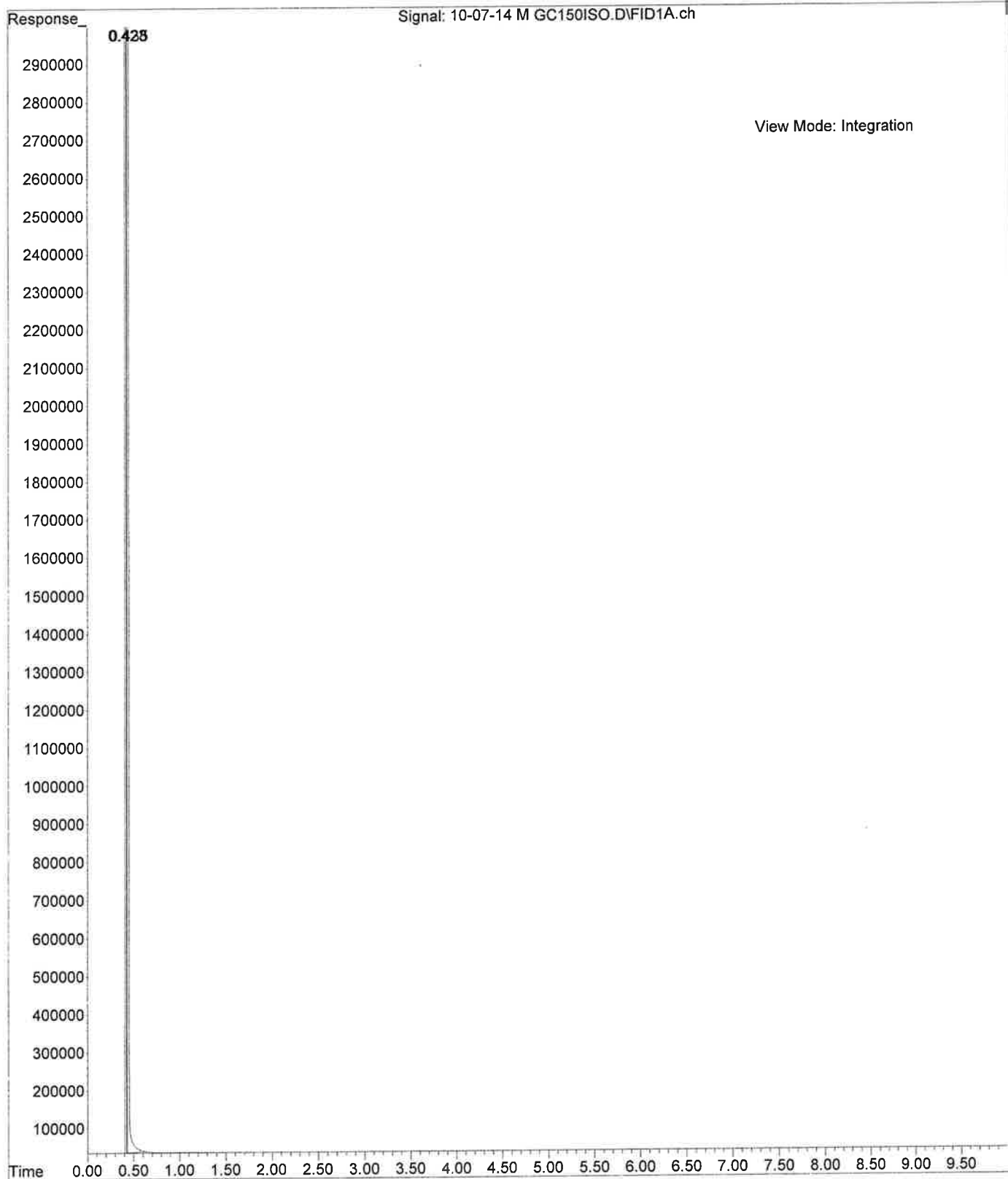


File :D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 C GC100.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 9:39 using AcqMethod GC100.M
Instrument : Eggroll
Sample Name: Chloroform Blank
Misc Info : Chloroforml 100 -280c @70c/min for 10 min
Vial Number: 5

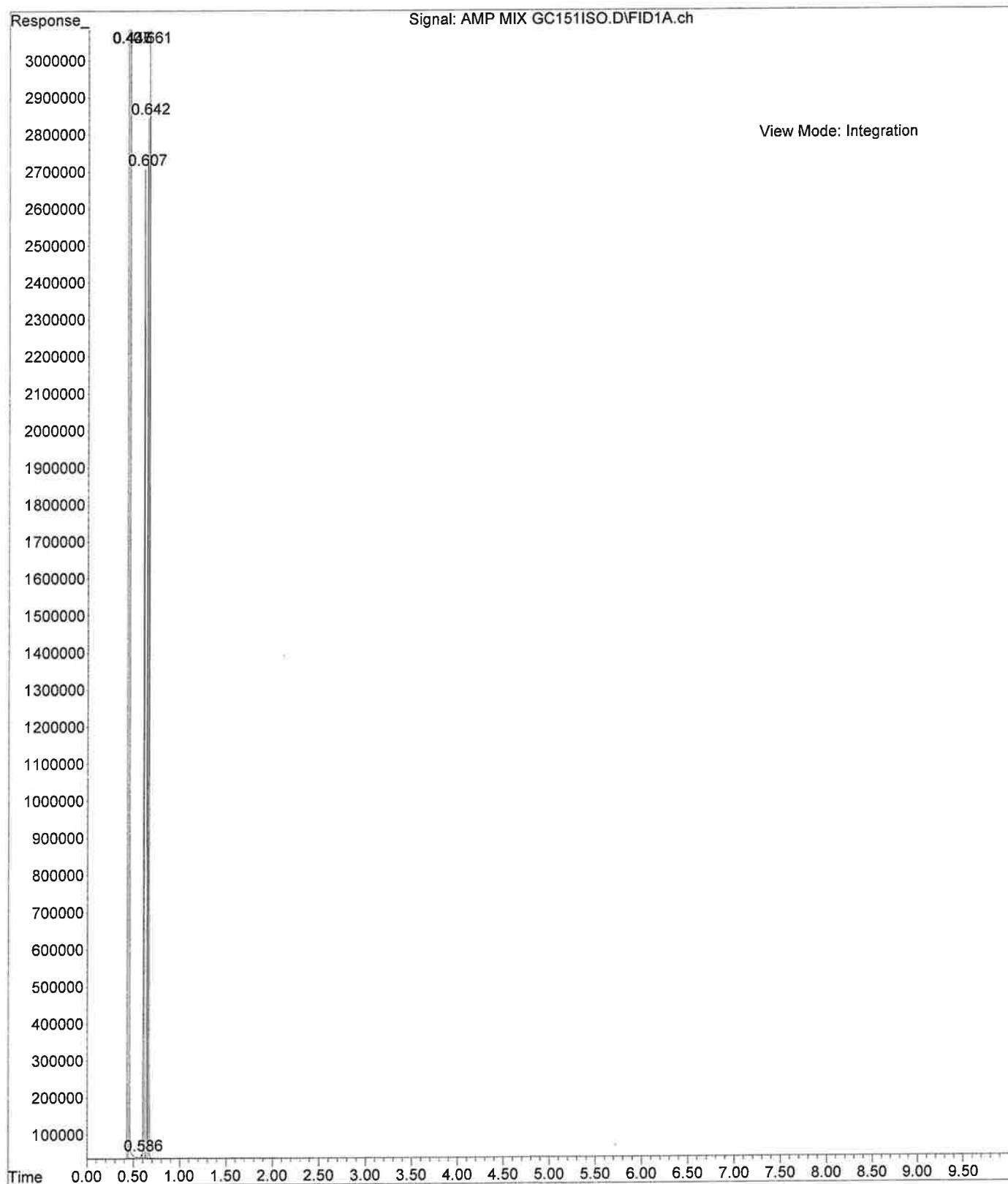


File :D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 M GC150ISO
... .D
Operator : Lela Jackson
Instrument : Eggroll
Acquired : 7 Oct 2014 9:10 using AcqMethod GC150ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 150c for 10 min

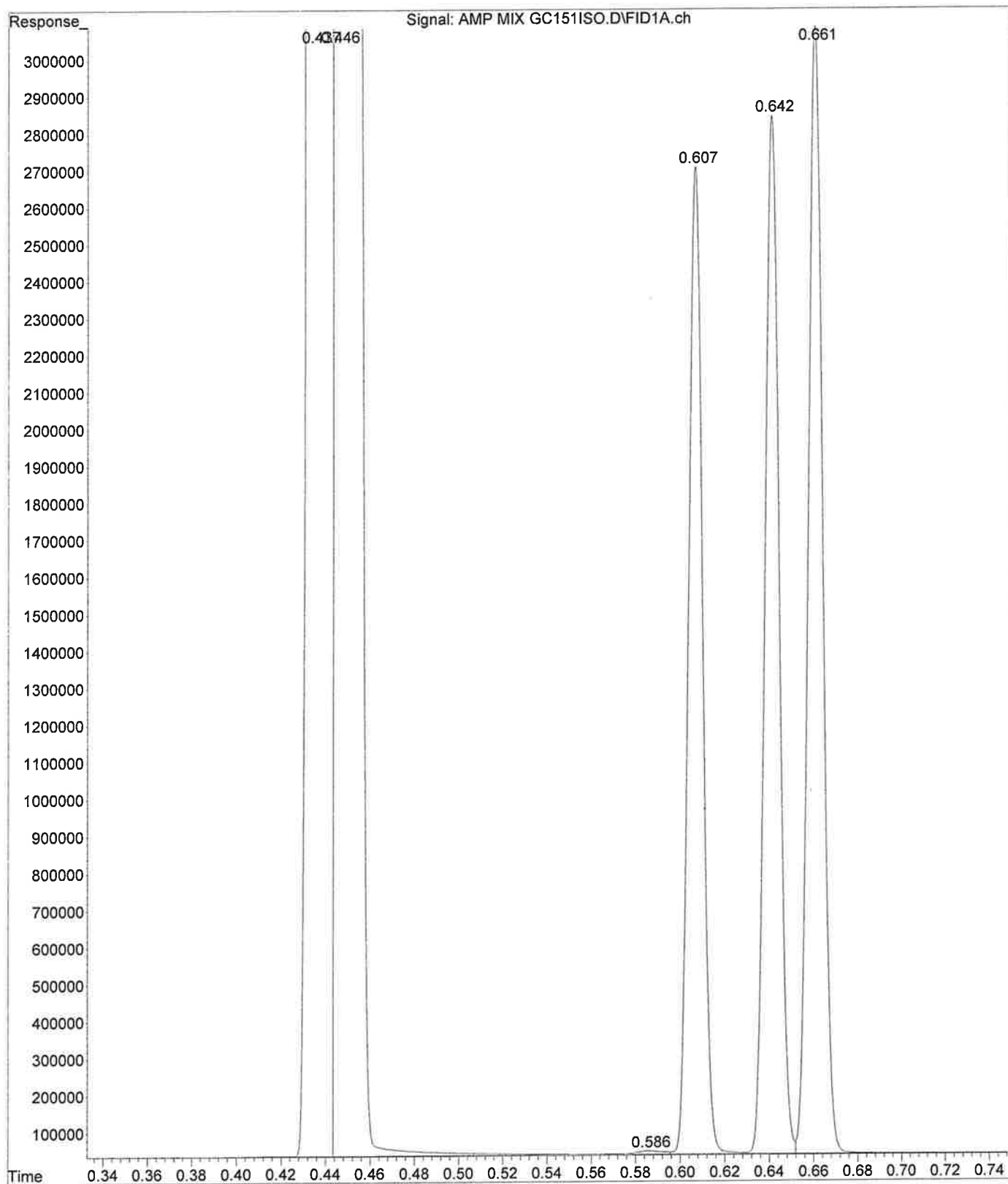
GC150ISO



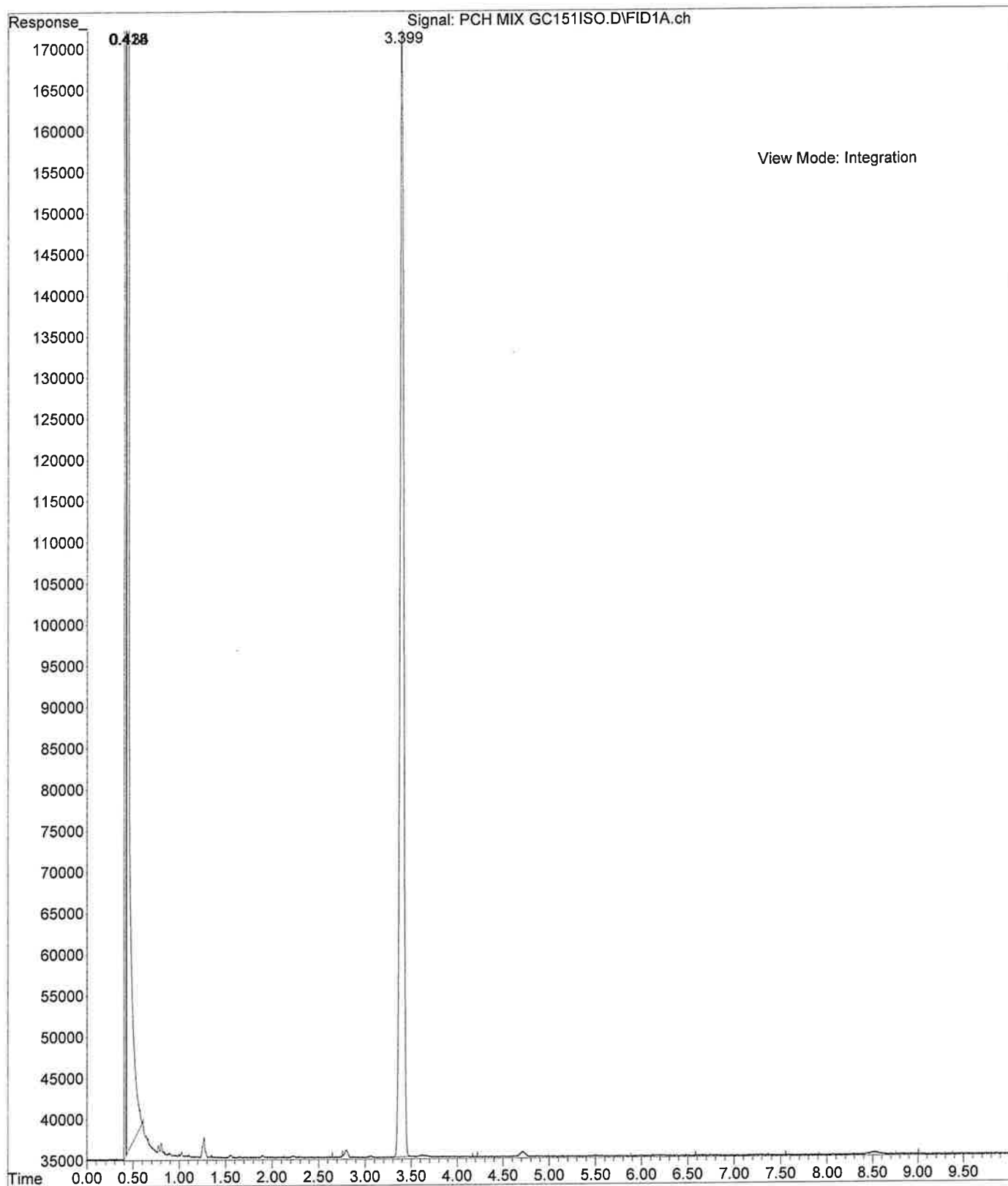
File :D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX GC151ISO.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 8:56 using AcqMethod GC150ISO.M
Instrument : Eggroll
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min
Vial Number: 5



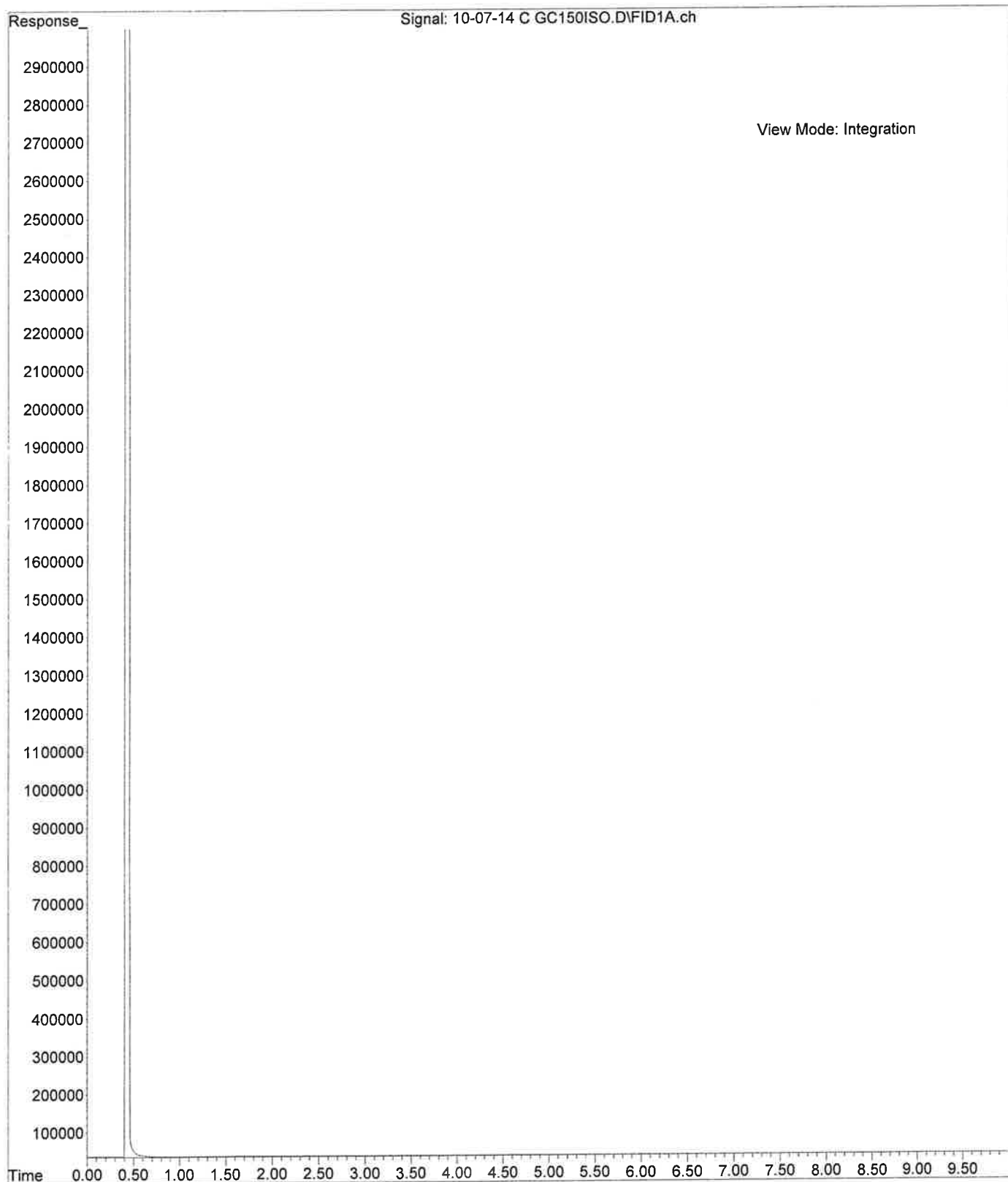
File :D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX GC151ISO.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 8:56 using AcqMethod GC150ISO.M
Instrument : Eggroll
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min
Vial Number: 5



File :D:\Data\LJ\nashville 2014\Oct\Validation\PCH MIX GC151ISO.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 9:25 using AcqMethod GC150ISO.M
Instrument : Eggroll
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 min
Vial Number: 5

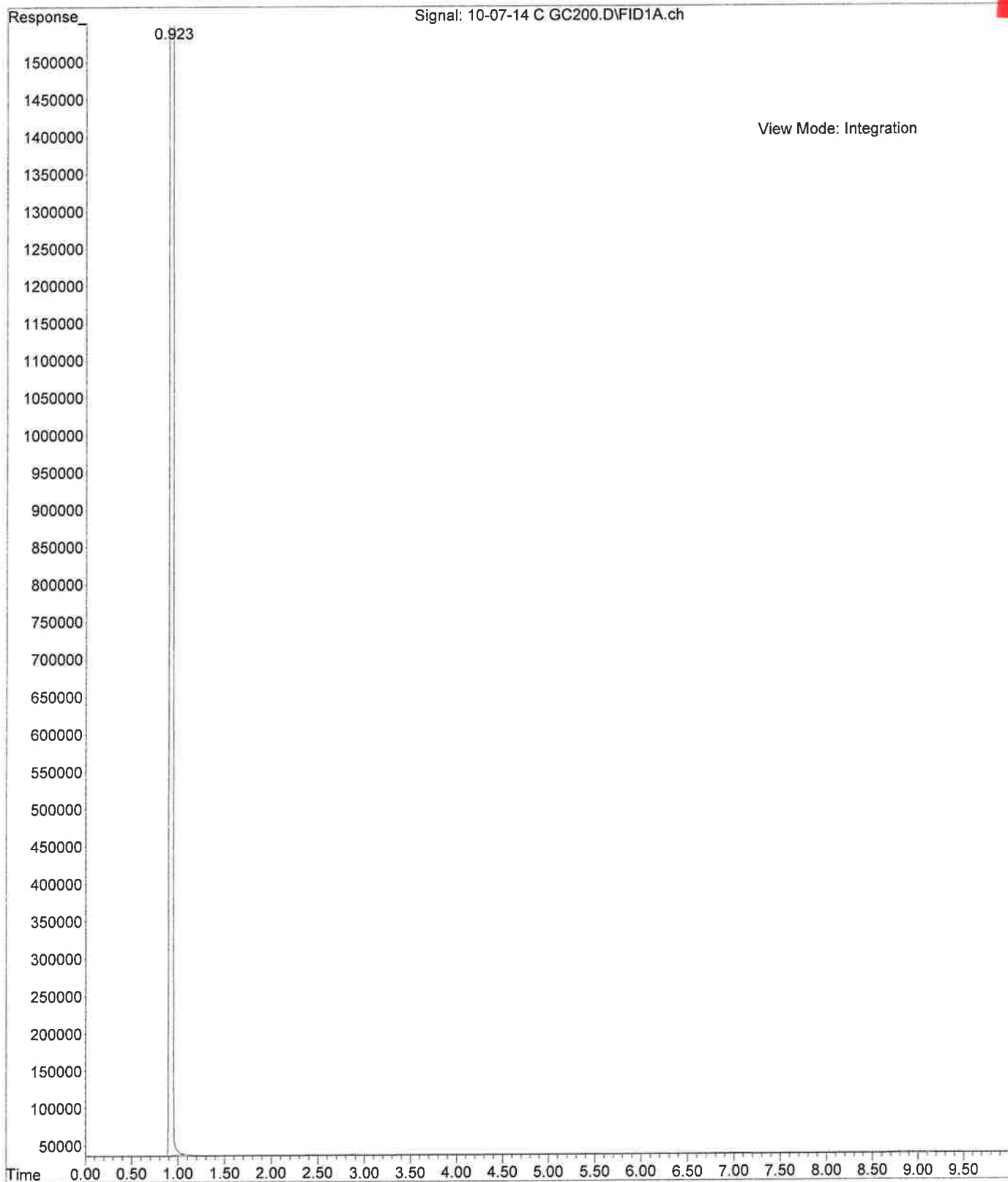


File :D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 C GC150ISO
... .D
Operator : Lela Jackson
Instrument : Eggroll
Acquired : 7 Oct 2014 8:43 using AcqMethod GC150ISO.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 150c for 10 min

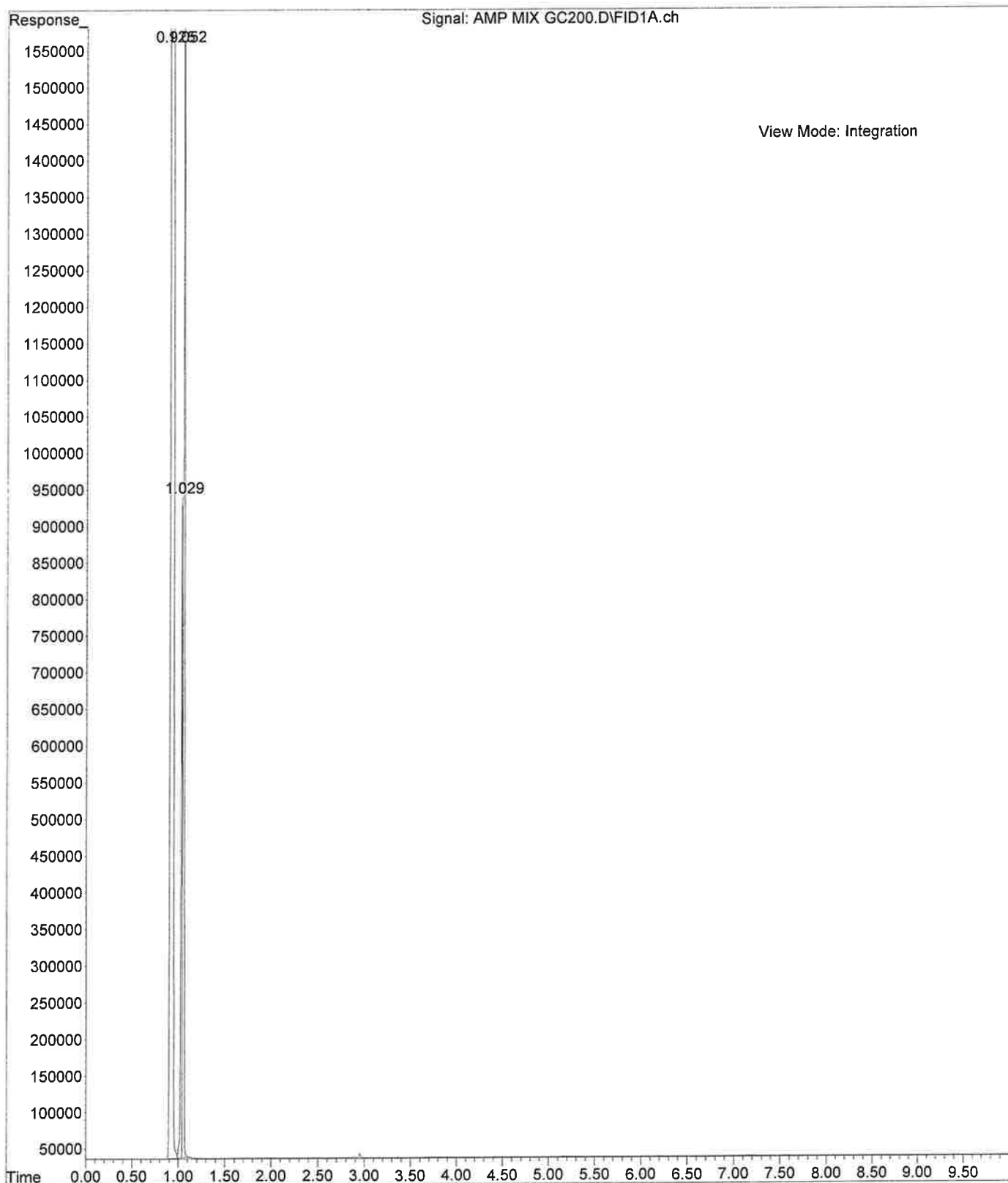


File :D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 C GC200.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 10:35 using AcqMethod GC200.M
Instrument : Eggroll
Sample Name: Chloroform Blank
Misc Info : Chloroform 200 -280c @70c/min for 10 min
Vial Number: 5

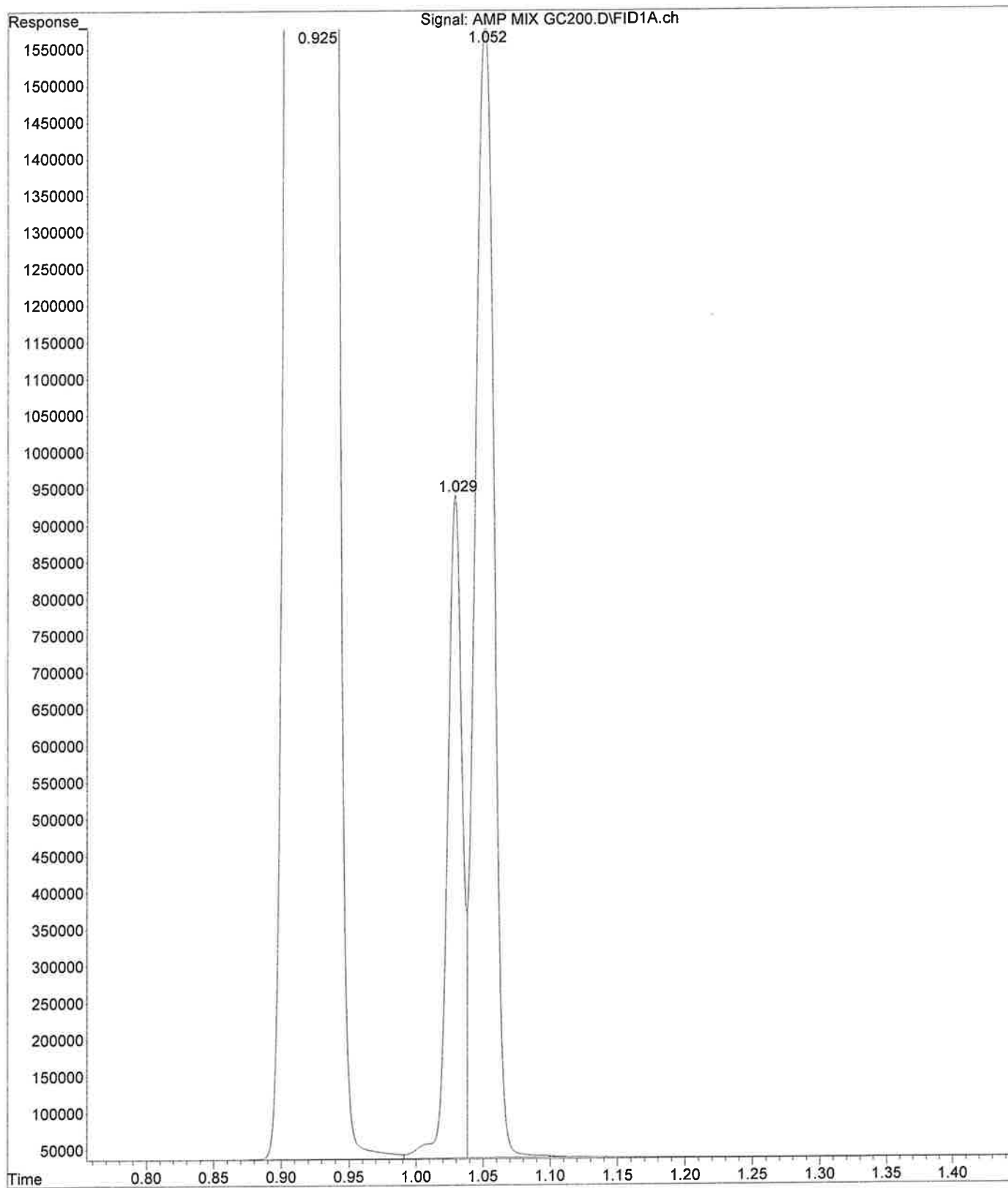
GC200



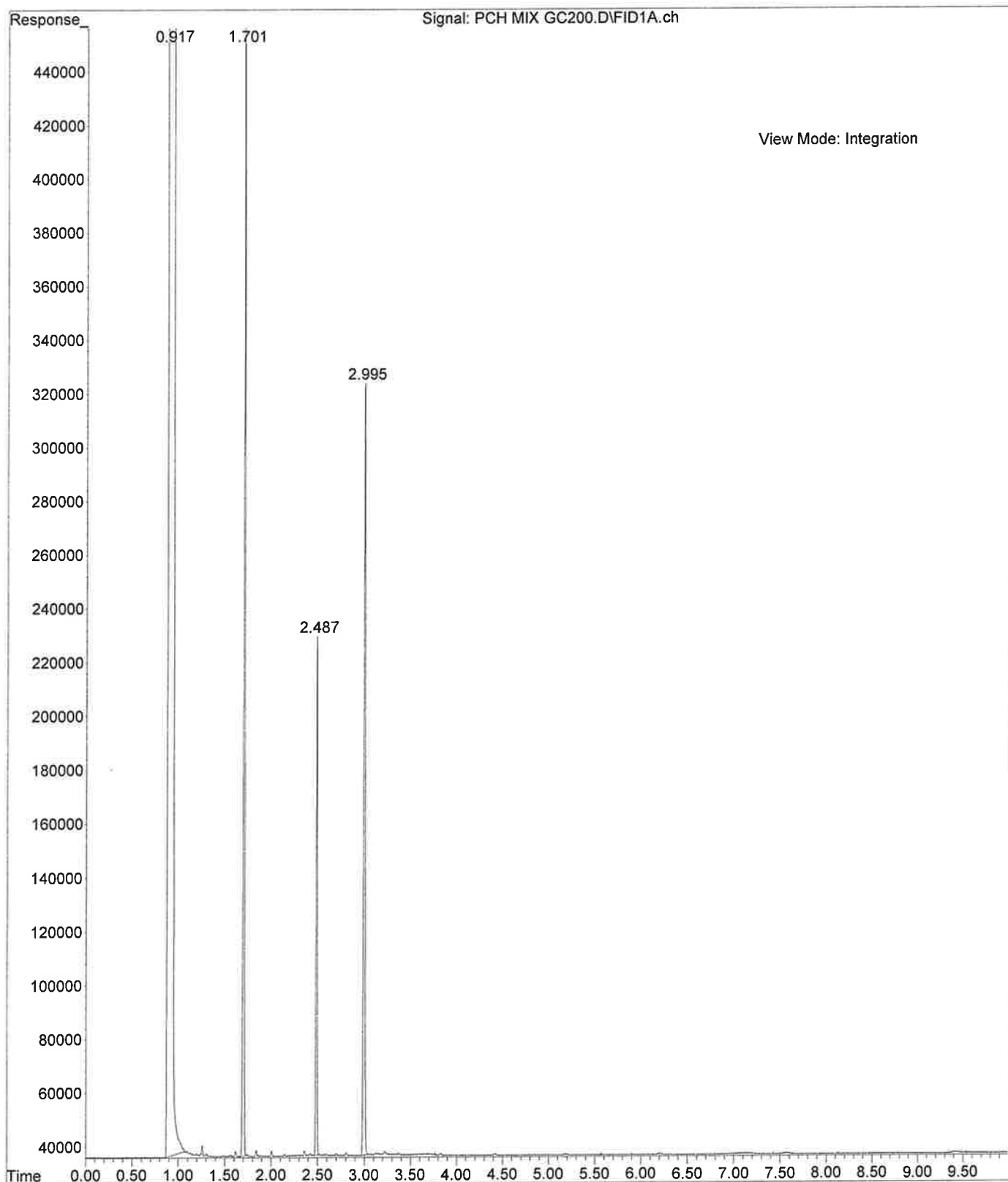
File :D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX GC200.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 10:50 using AcqMethod GC200.M
Instrument : Eggroll
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200 -280c @70c/min for 10 min
Vial Number: 5



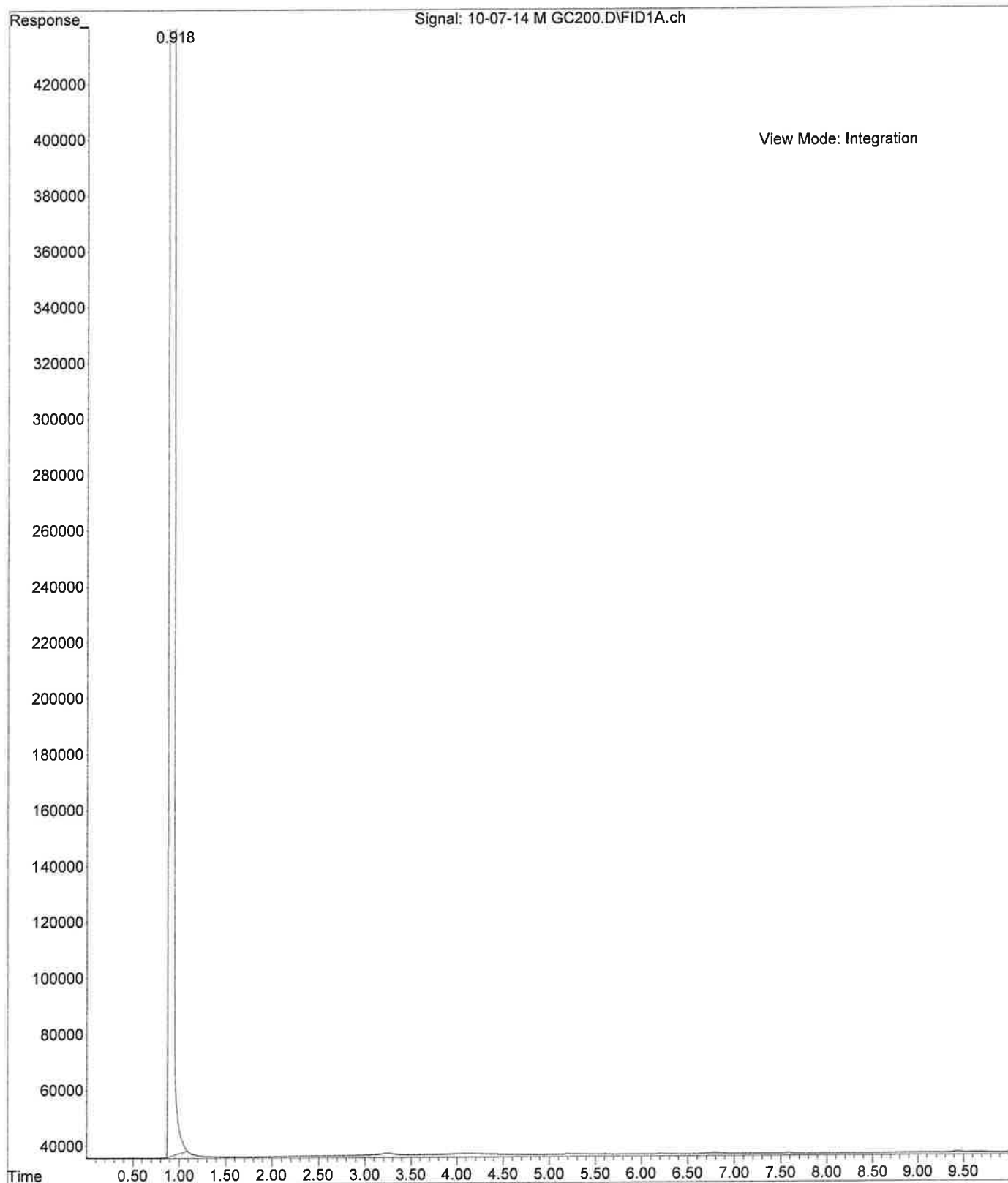
File :D:\Data\LJ\nashville 2014\Oct\Validation\AMP MIX GC200.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 10:50 using AcqMethod GC200.M
Instrument : Eggroll
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200 -280c @70c/min for 10 min
Vial Number: 5



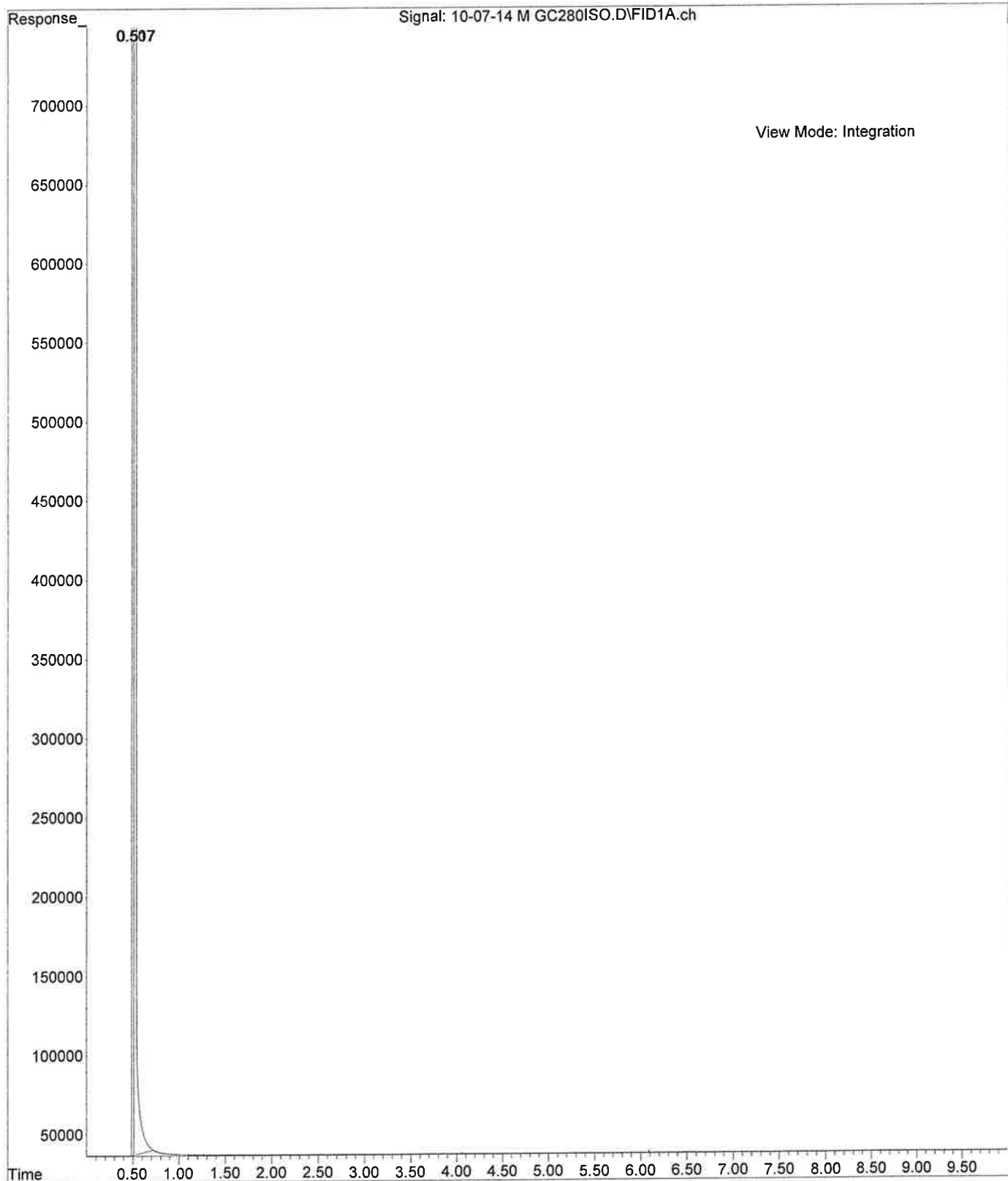
File :D:\Data\LJ\nashville 2014\Oct\Validation\PCH MIX GC200.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 12:04 using AcqMethod GC200.M
Instrument : Eggroll
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200 -280c @70c/min for 10 min
Vial Number: 5



File :D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 M GC200.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 11:46 using AcqMethod GC200.M
Instrument : Eggroll
Sample Name: Methanol Blank
Misc Info : Methanol 200 -280c @70c/min for 10 min
Vial Number: 5

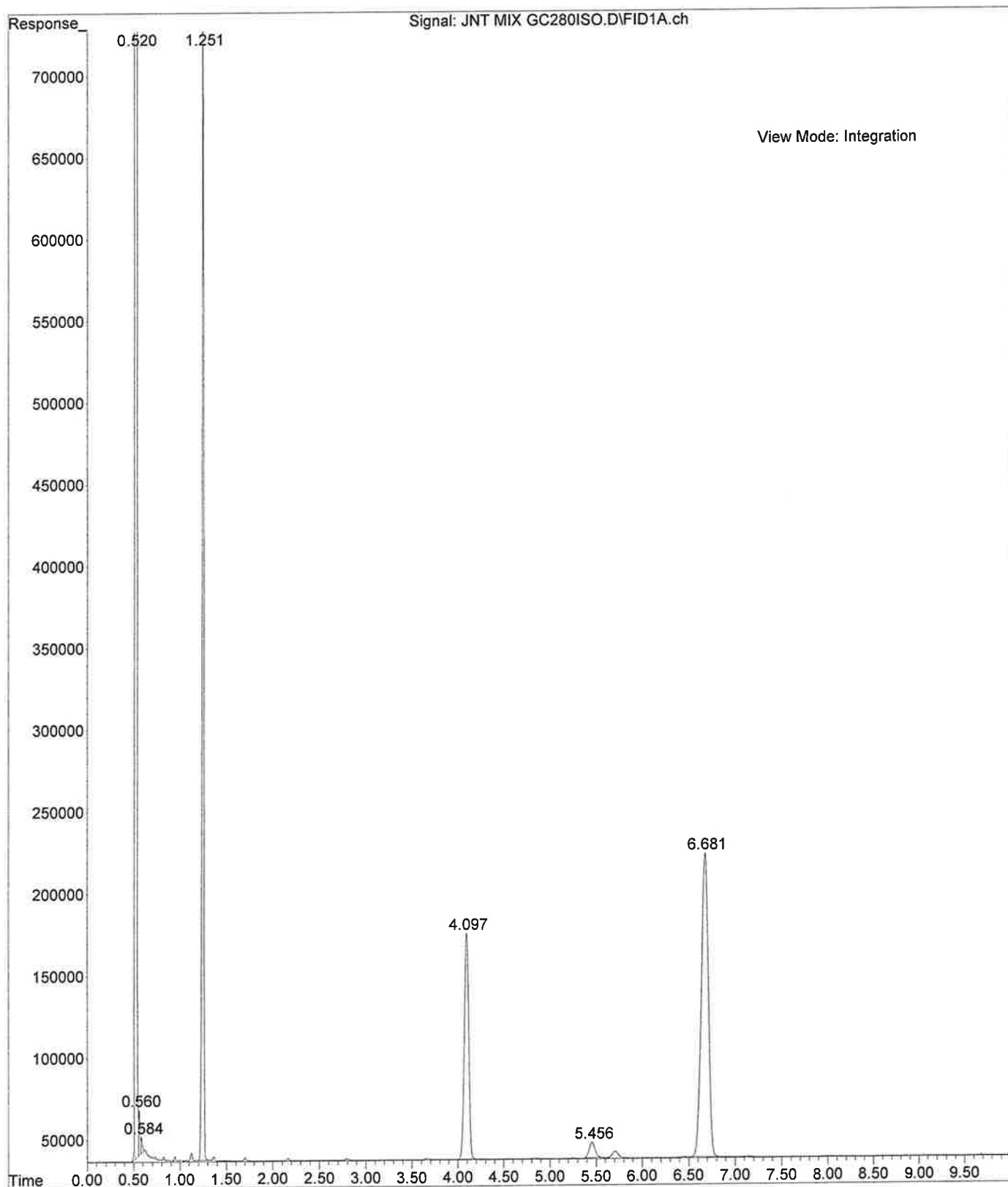


File :D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 M GC280ISO
... .D
Operator : Lela Jackson
Instrument : Eggroll
Acquired : 7 Oct 2014 8:17 using AcqMethod GC280ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 10 min



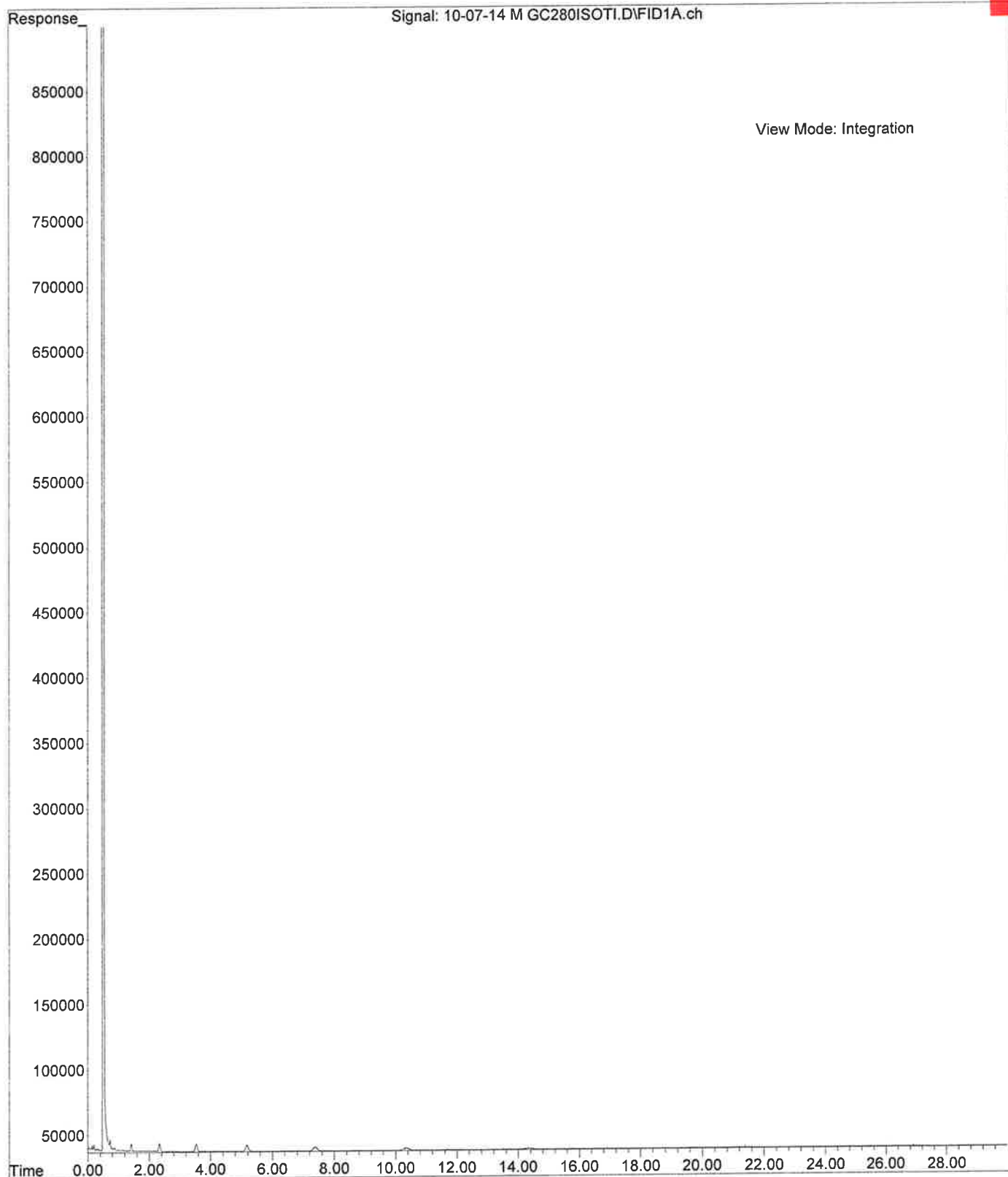
GC280ISO

File :D:\Data\LJ\nashville 2014\Oct\Validation\JNT MIX GC280ISO.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 8:28 using AcqMethod GC280ISO.M
Instrument : Eggroll
Sample Name: JWH 081, Nandrolone decanoate, Testosterone
Misc Info : Methanol 280c for 10 min
Vial Number: 5

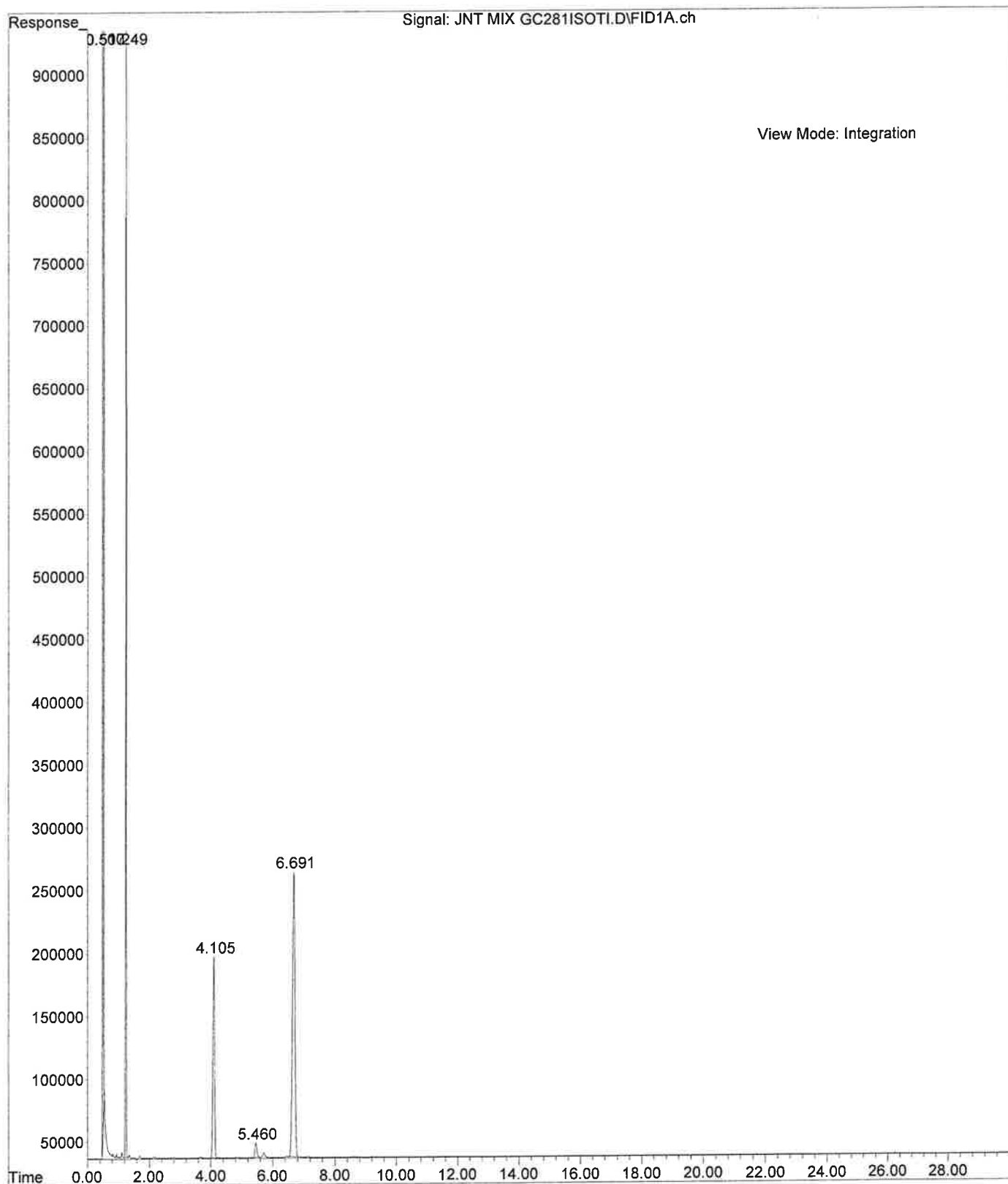


File :D:\Data\LJ\nashville 2014\Oct\Validation\10-07-14 M GC280ISO
... TI.D
Operator : Lela Jackson
Instrument : Eggroll
Acquired : 7 Oct 2014 7:11 using AcqMethod GC280ISOTI.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 30 min

GC280ISOTI

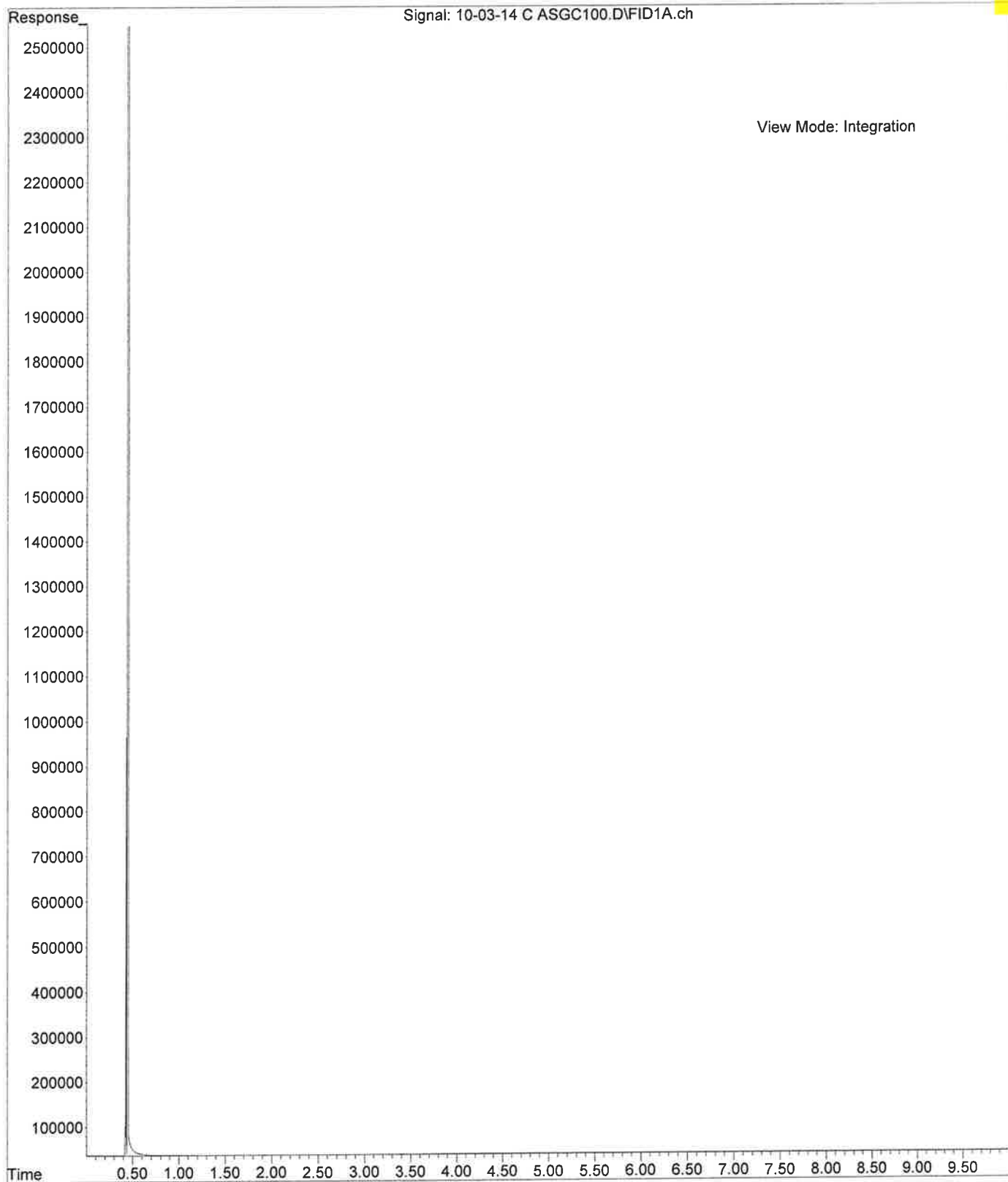


File :D:\Data\LJ\nashville 2014\Oct\Validation\JNT MIX GC281ISOTI.D
Operator : Lela Jackson
Acquired : 7 Oct 2014 7:43 using AcqMethod GC280ISOTI.M
Instrument : Eggroll
Sample Name: JWH 081, Nandrolone undecanoate, Testosterone
Misc Info : Methanol 280c for 30 min
Vial Number: 5

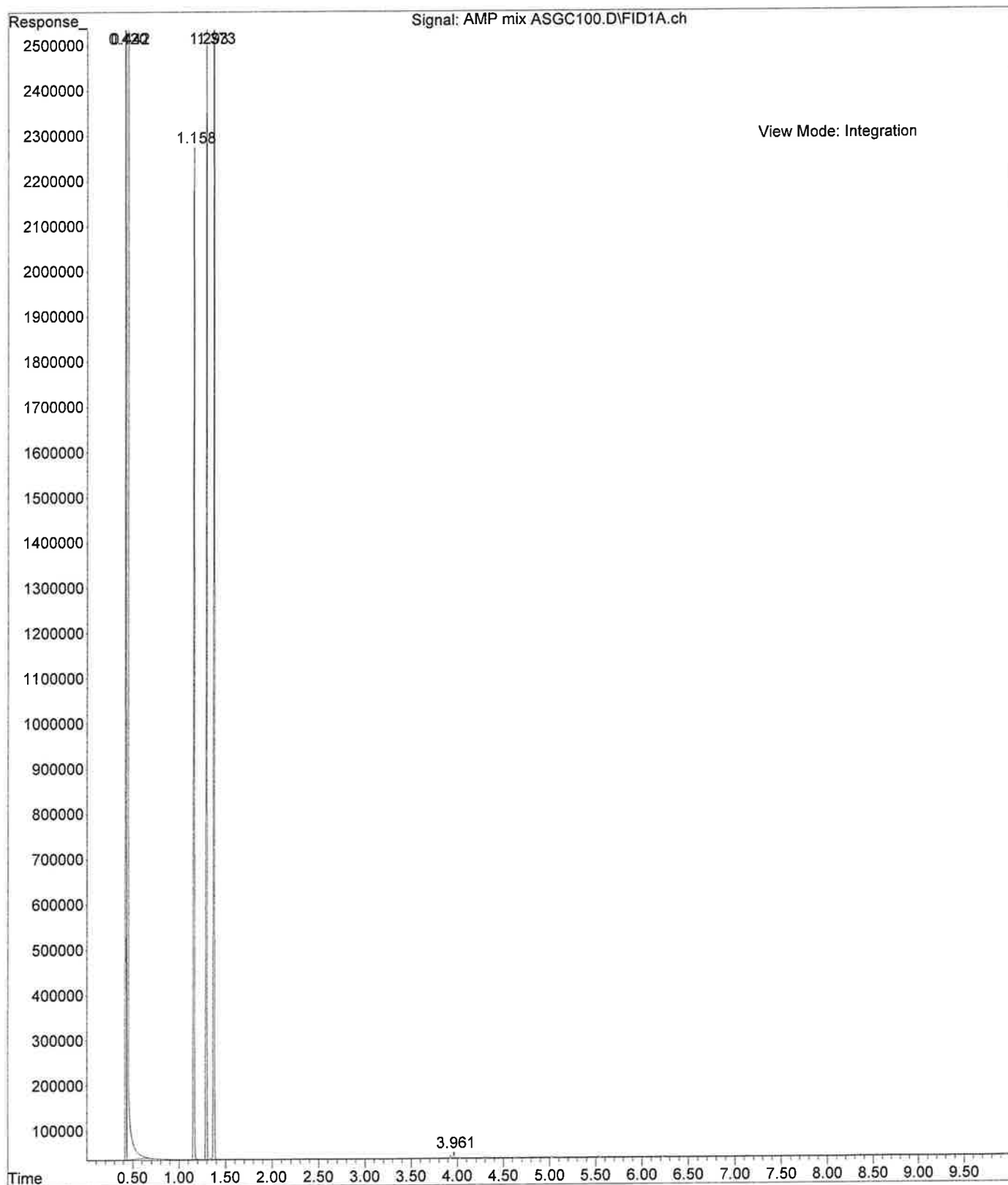


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 C A
... SGC100.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 21:02 using AcqMethod ASGC100.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 100-280c @70c/min for 10 min

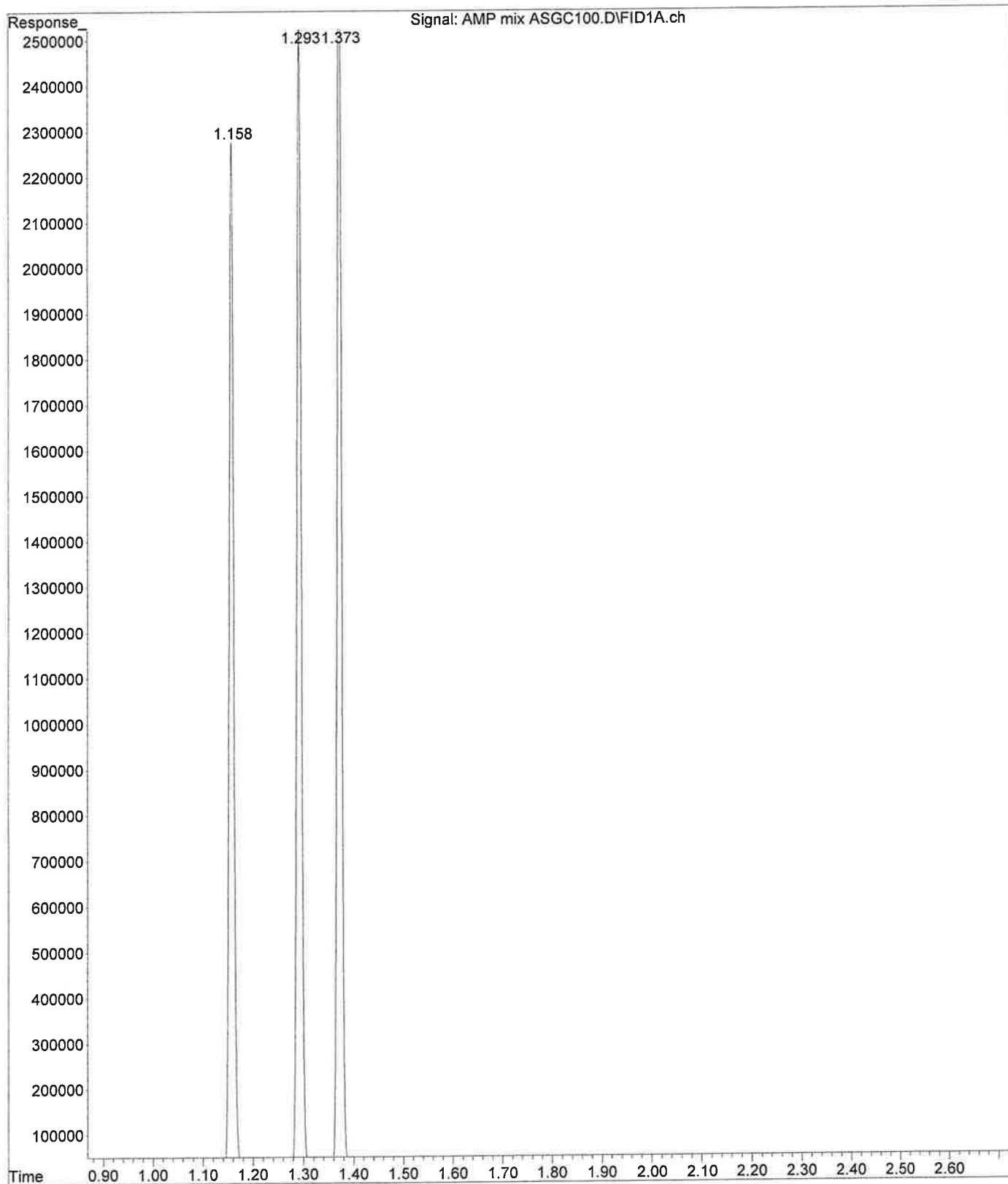
ASGC100



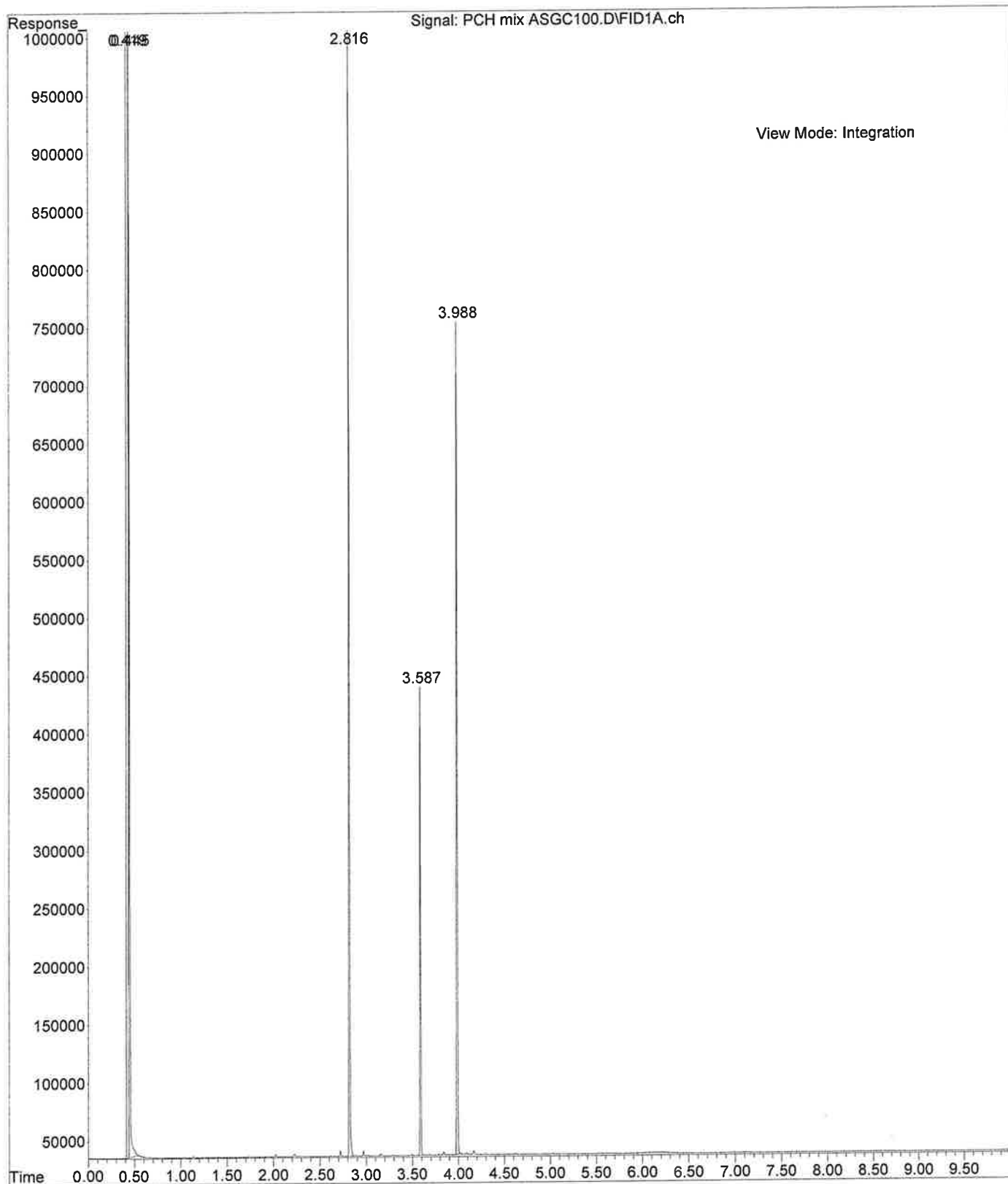
File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP mix ASGC
... 100.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 21:15 using AcqMethod ASGC100.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 100-280c @70c/min for 10 min



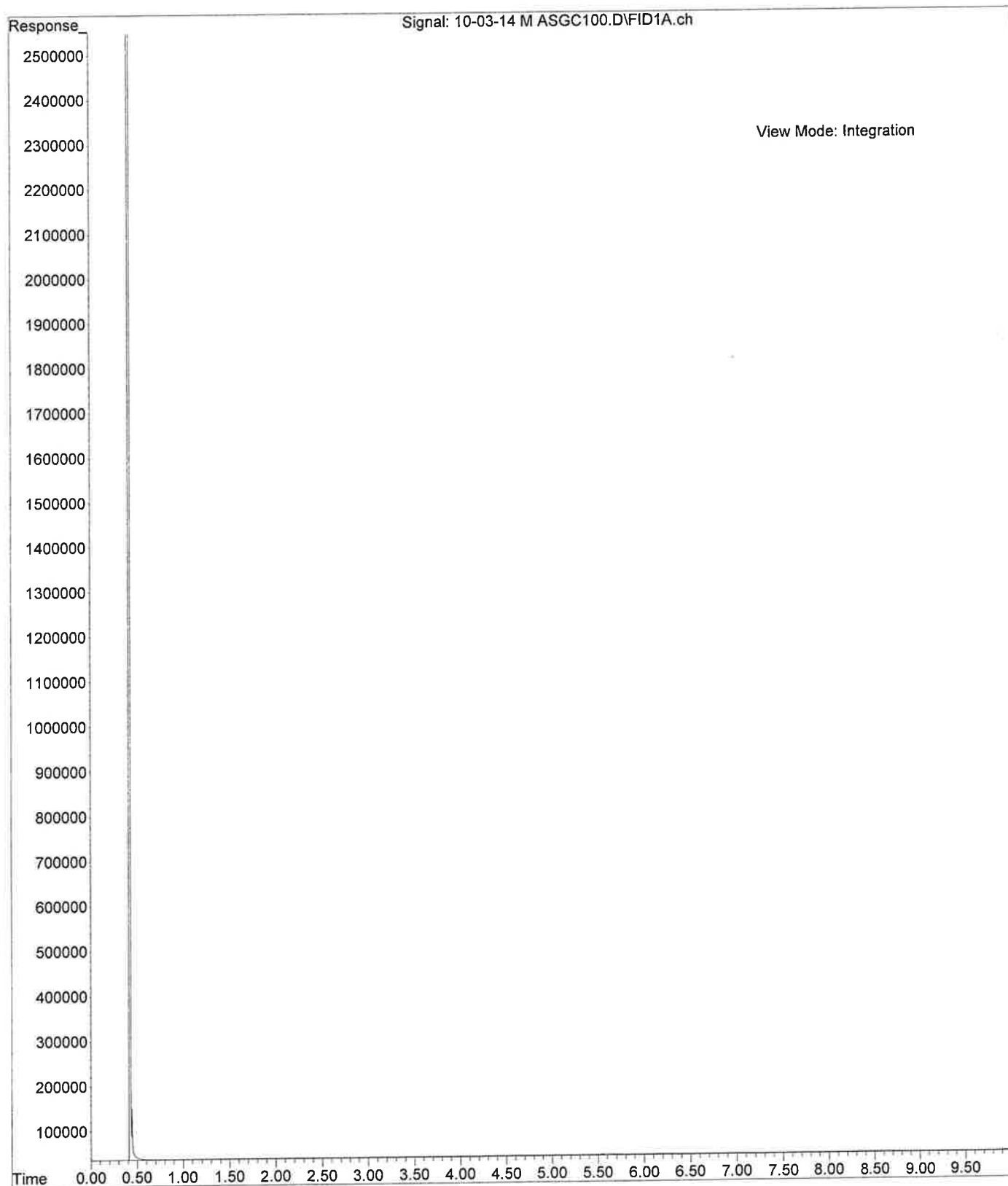
File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP mix ASGC
... 100.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 21:15 using AcqMethod ASGC100.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 100-280c @70c/min for 10 min



File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\PCH mix ASGC
... 100.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 21:41 using AcqMethod ASGC100.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 10 min

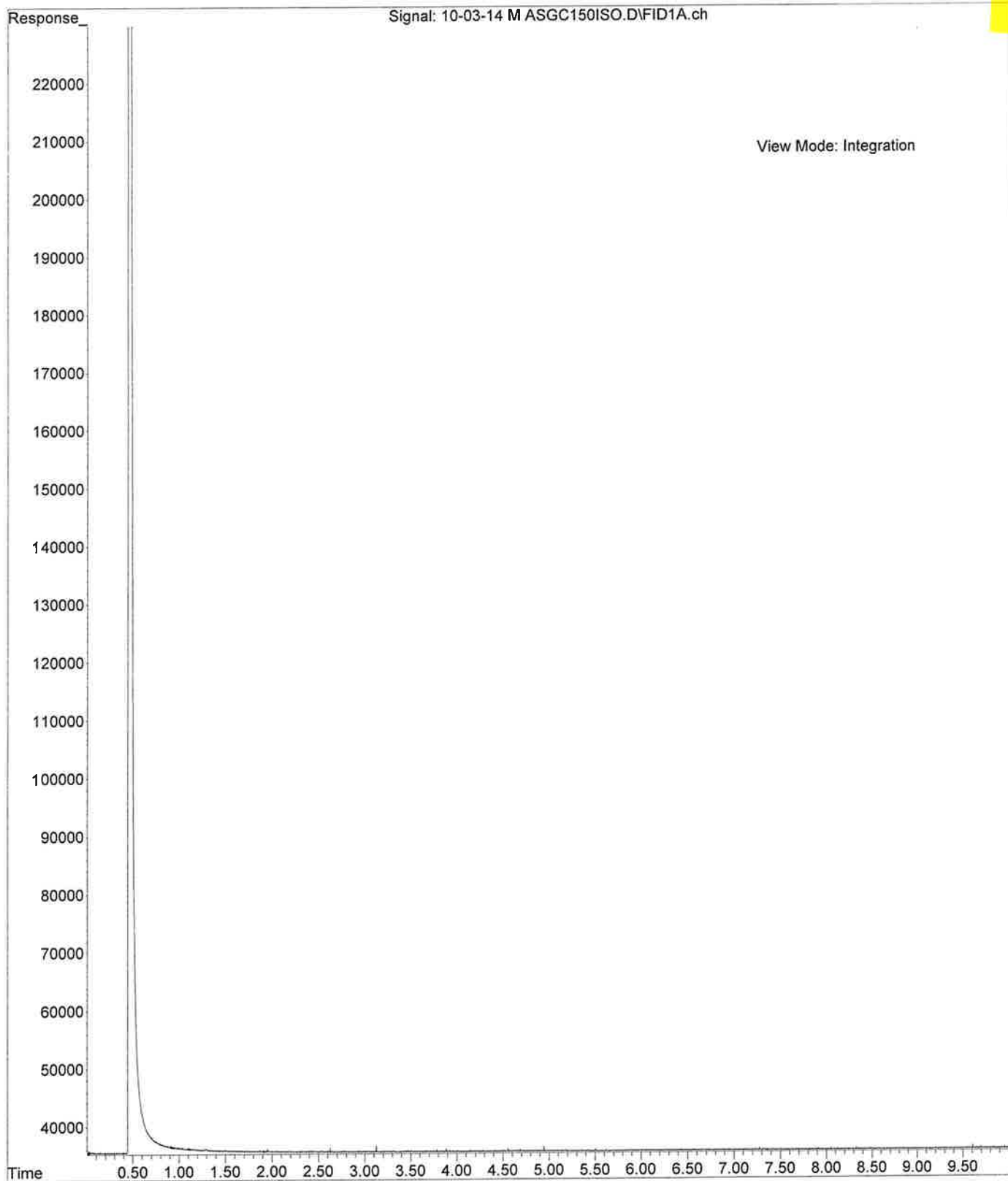


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 M A
... SGC100.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 21:28 using AcqMethod ASGC100.M
Sample Name: Methanol blank
Misc Info : Methanol 100-280c @70c/min for 10 min

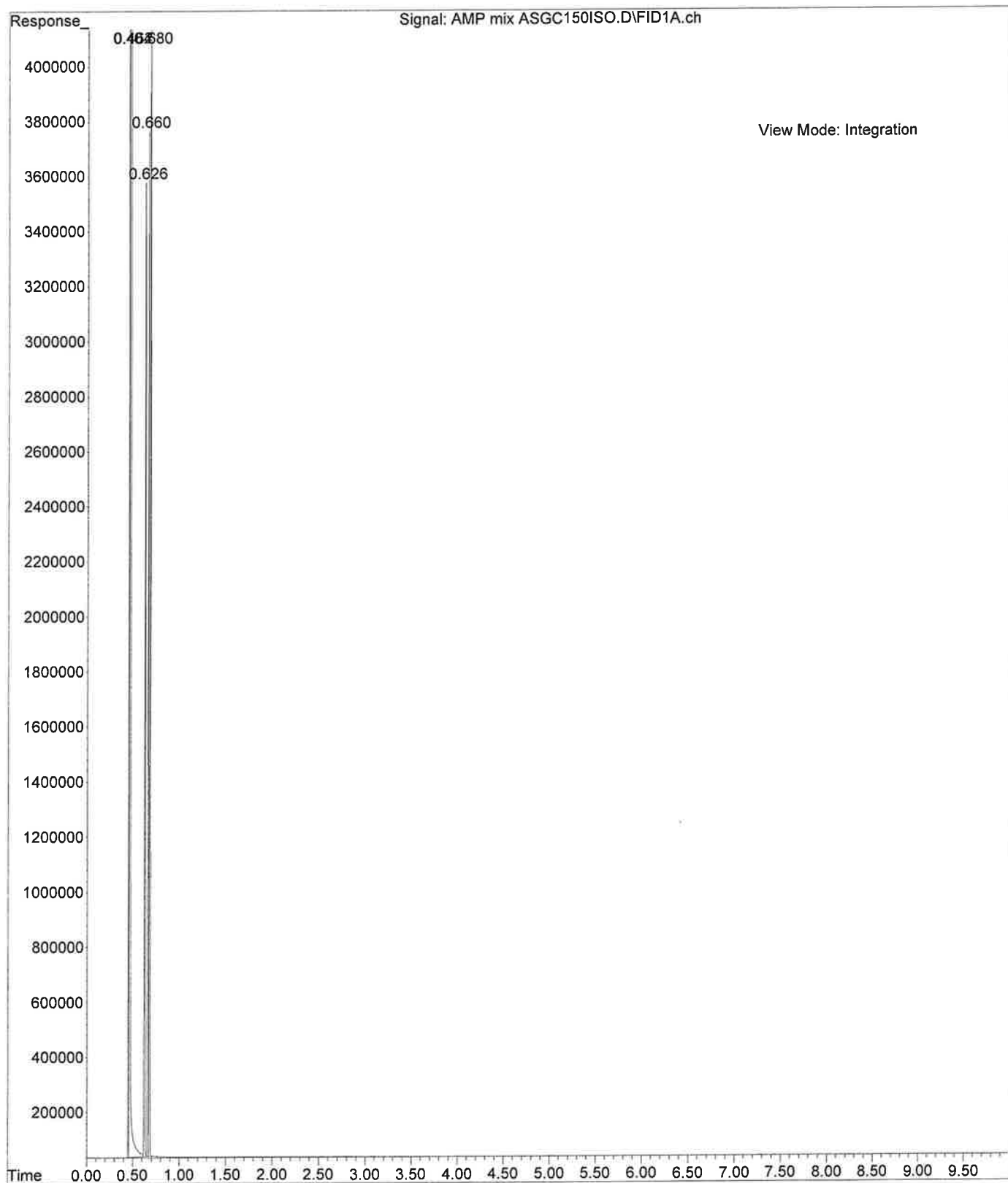


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 M A
... SGC150ISO.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 23:06 using AcqMethod ASGC150ISO.M
Sample Name: Methanol blank
Misc Info : Methanol 150c for 10 min

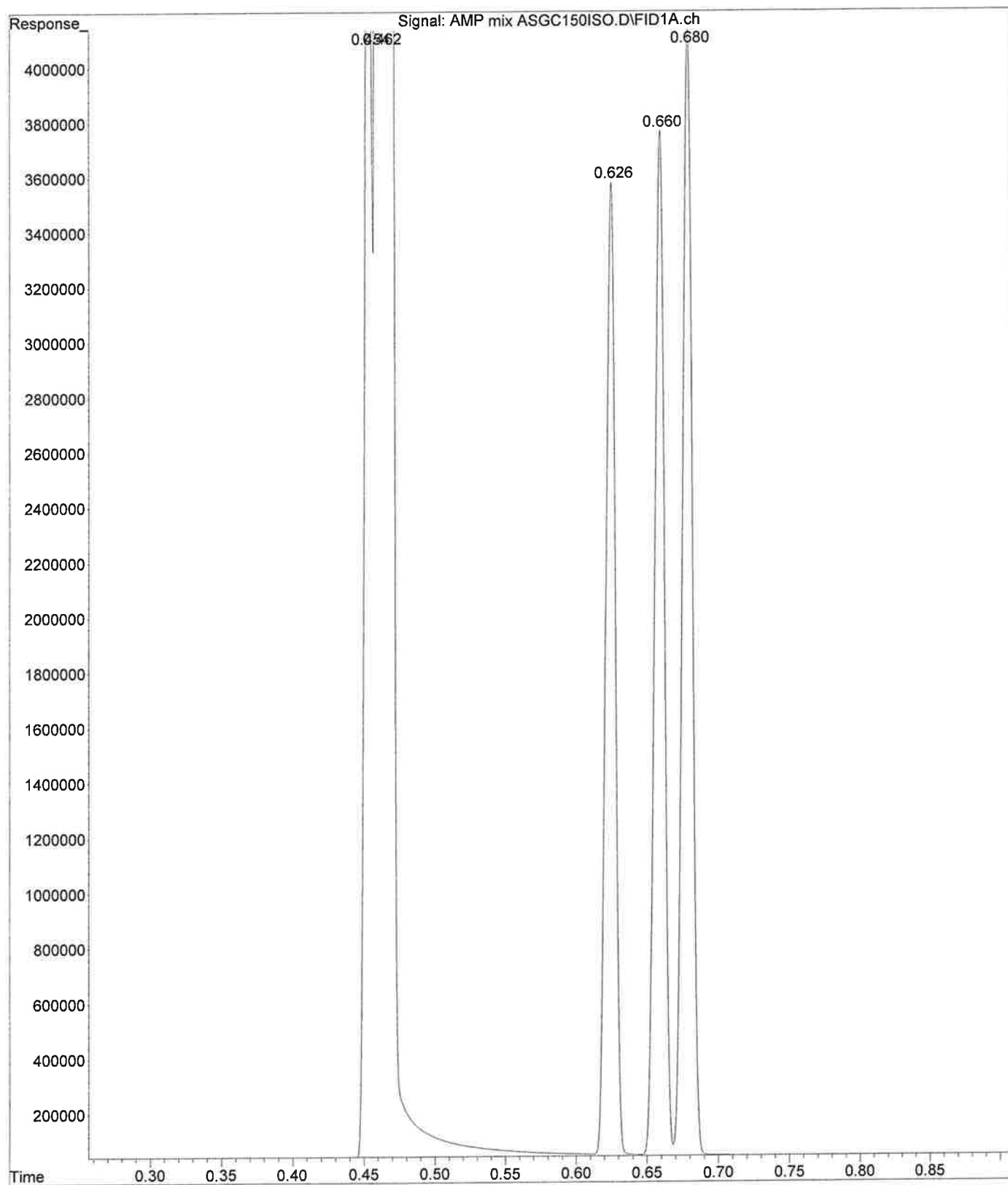
ASGC150ISO



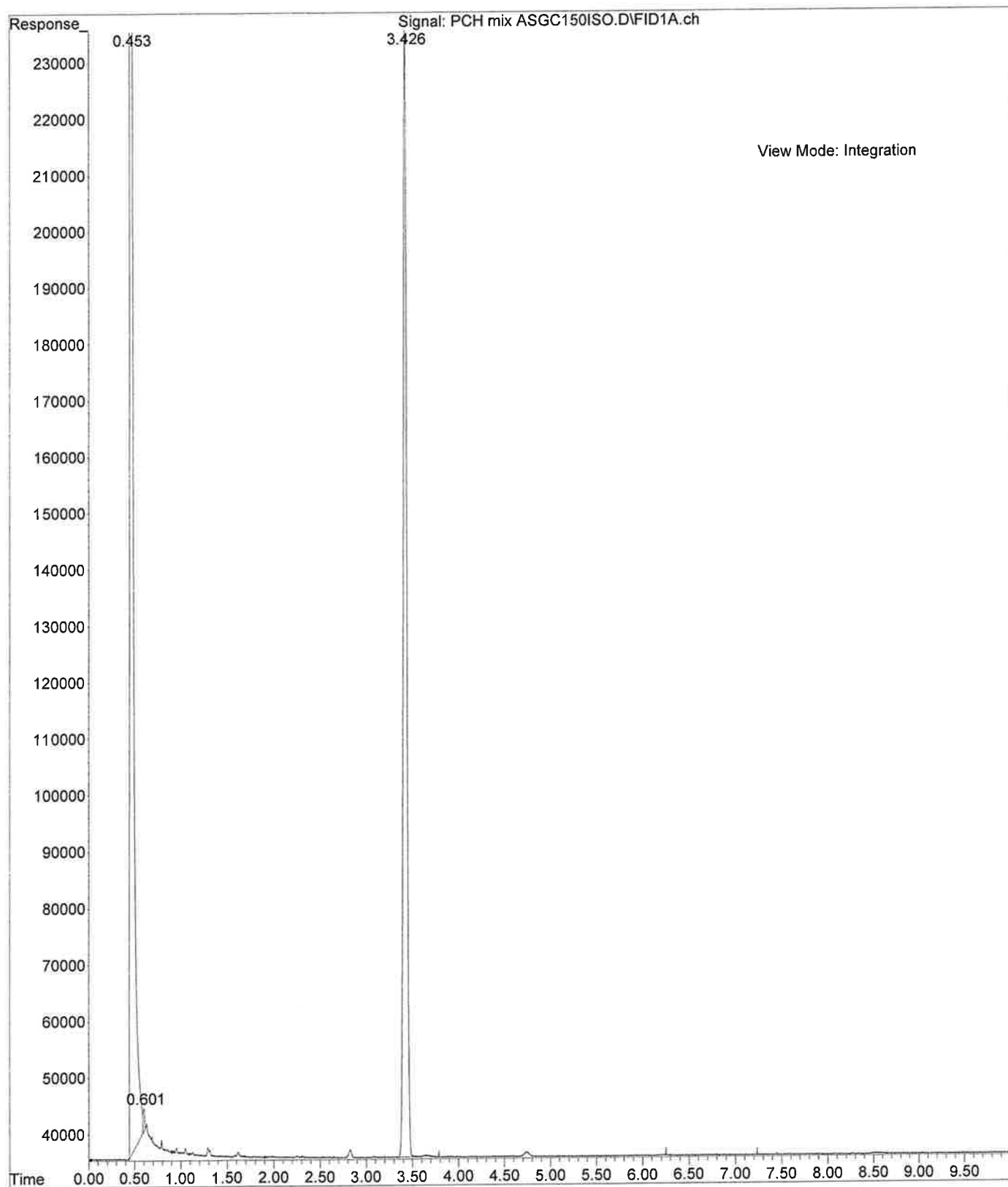
File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP mix ASGC
... 150ISO.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 22:54 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 150c for 10 min



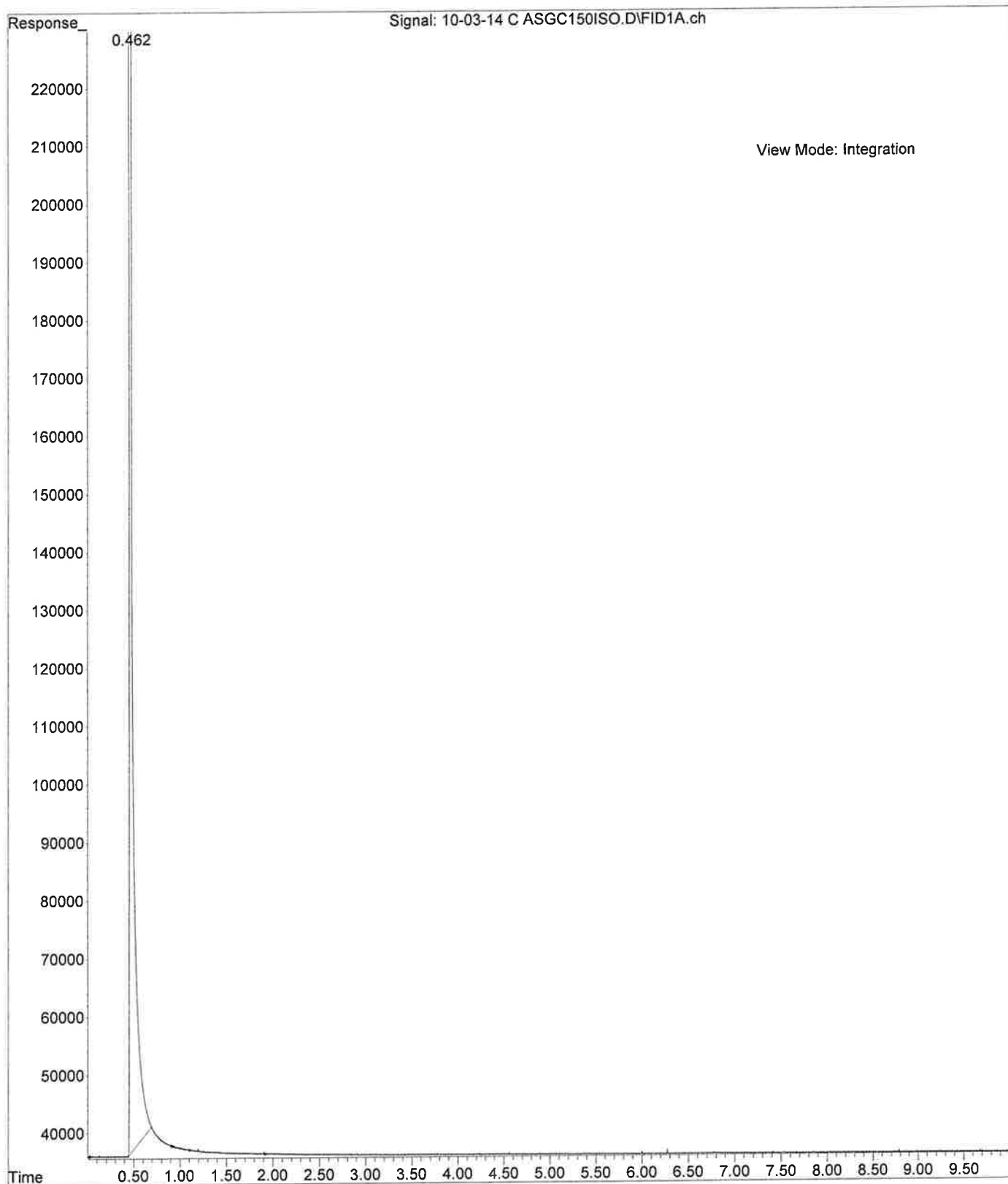
File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP mix ASGC
... 150ISO.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 22:54 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 150c for 10 min



File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\PCH mix ASGC
... 150ISO.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 23:17 using AcqMethod ASGC150ISO.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 min

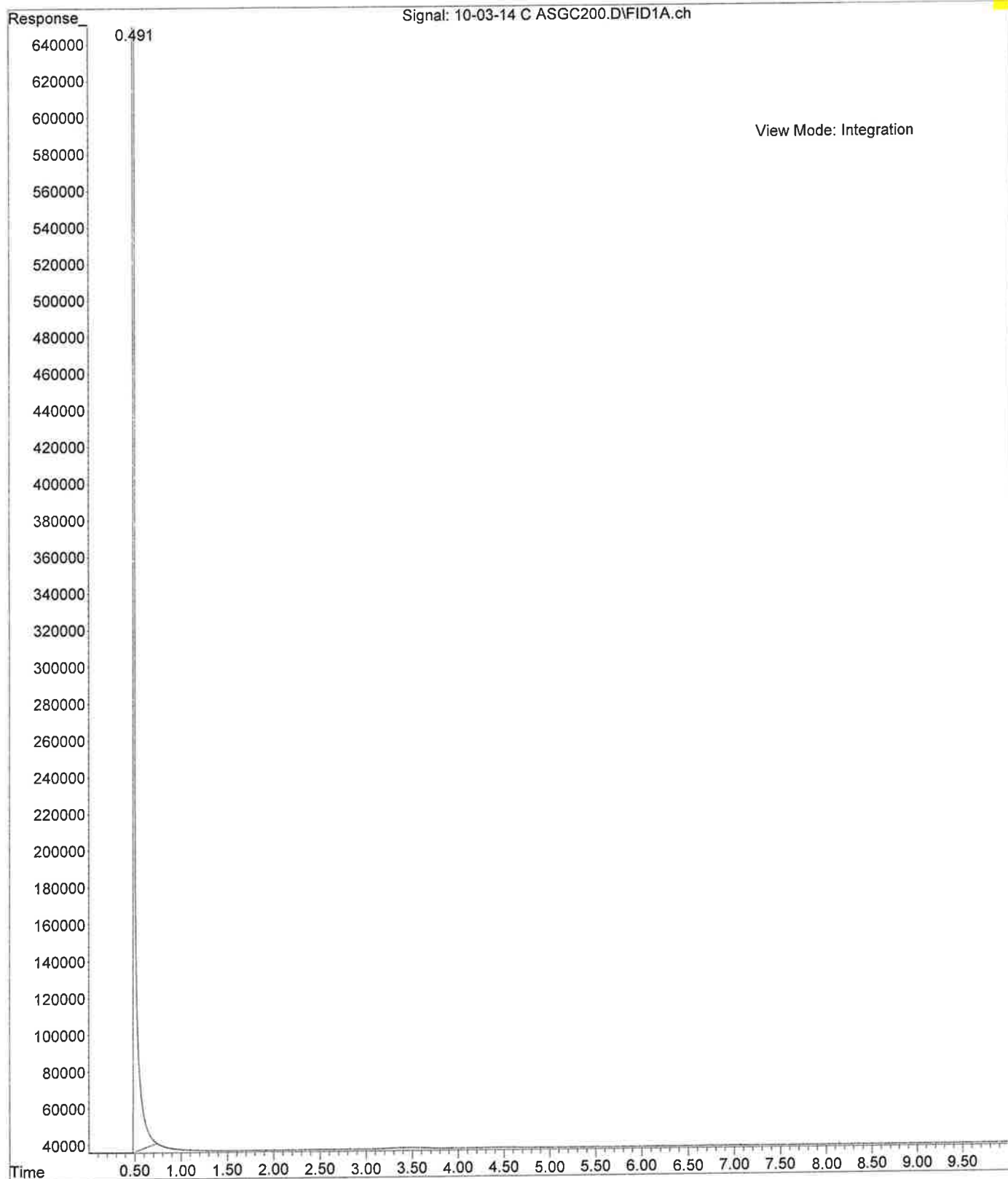


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 C A
... SGC150ISO.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 22:43 using AcqMethod ASGC150ISO.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 150c for 10 min

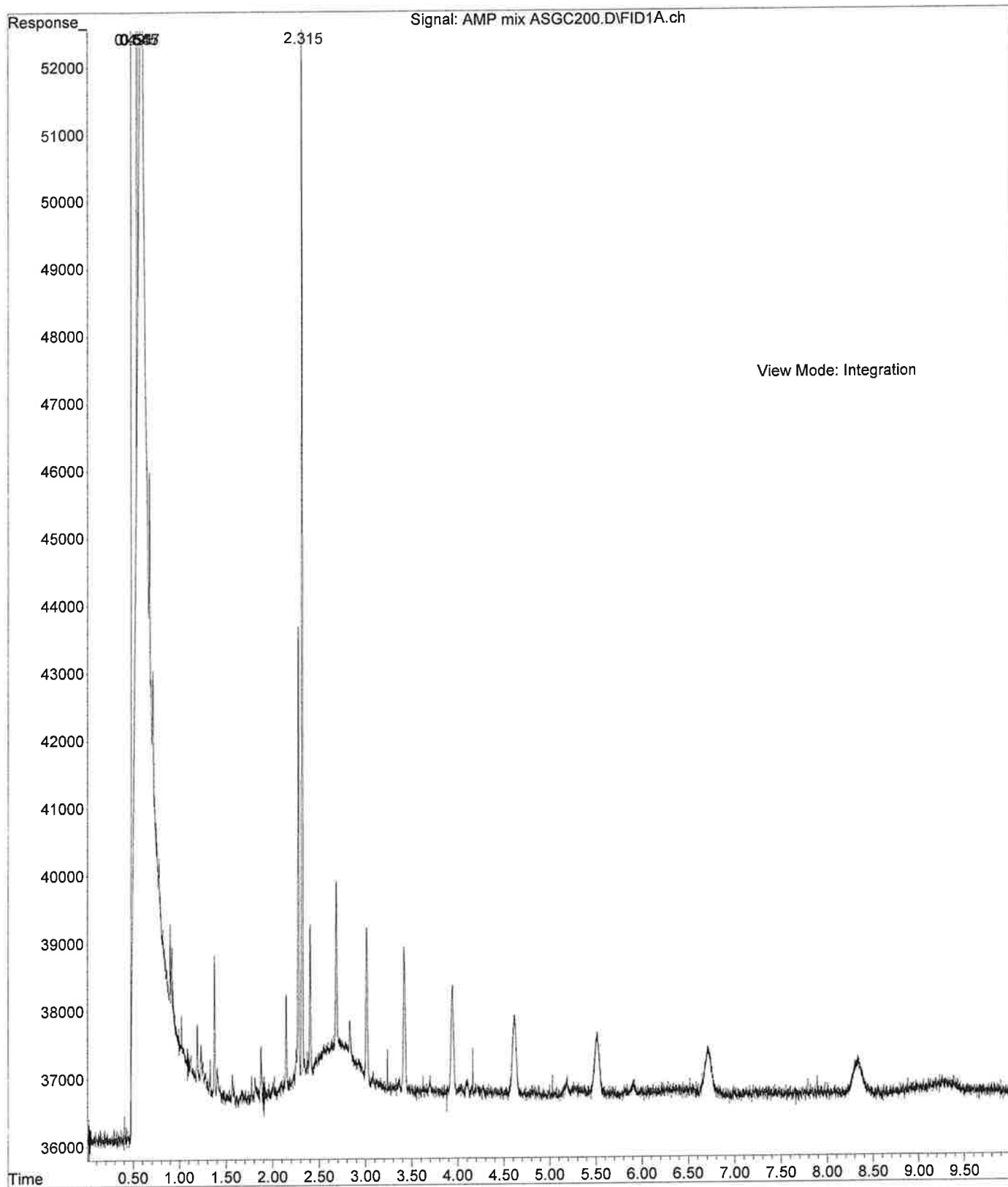


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 C A
... SGC200.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 21:53 using AcqMethod ASGC200.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 200-280c @70c/min for 10 min

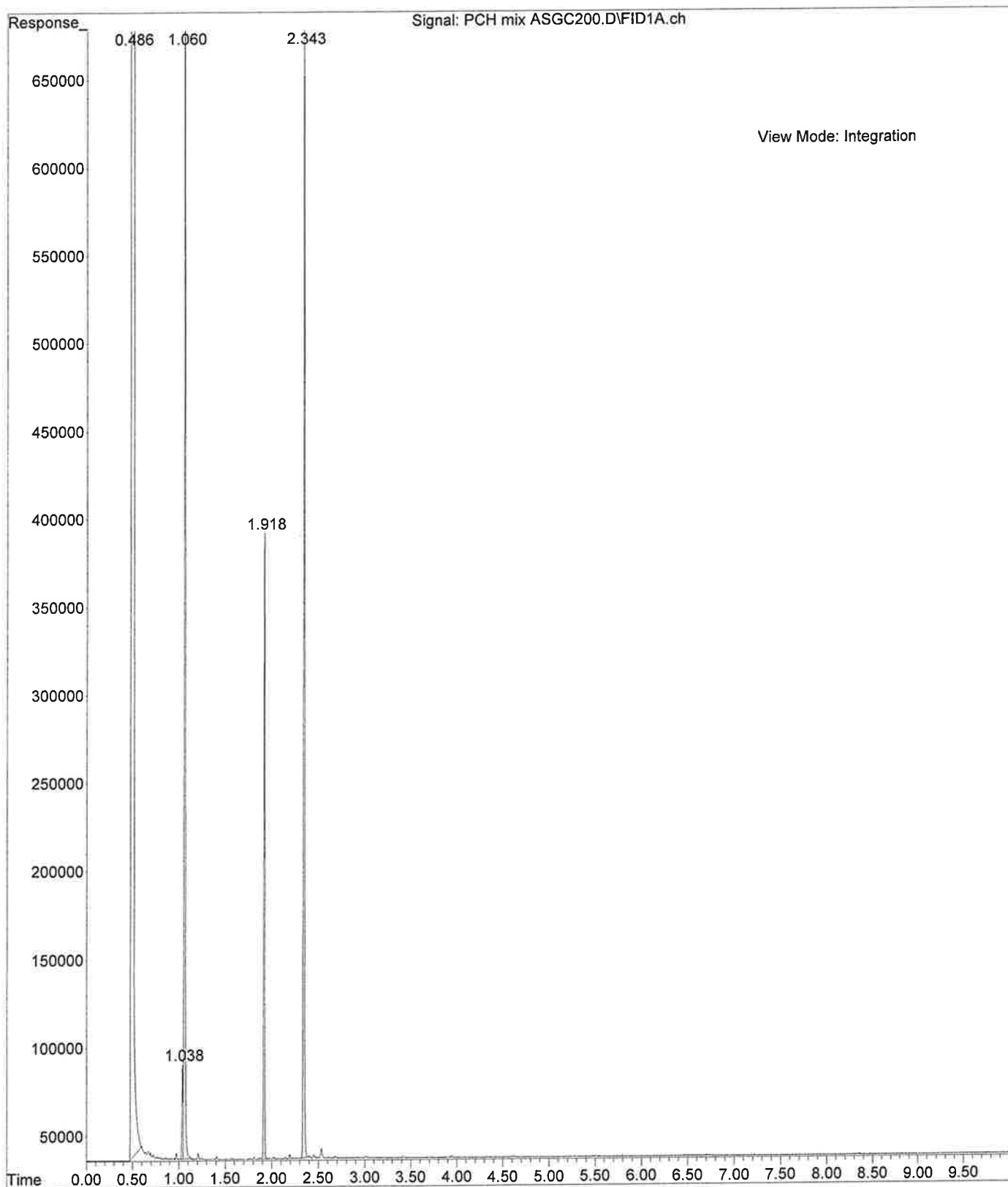
ASGC200



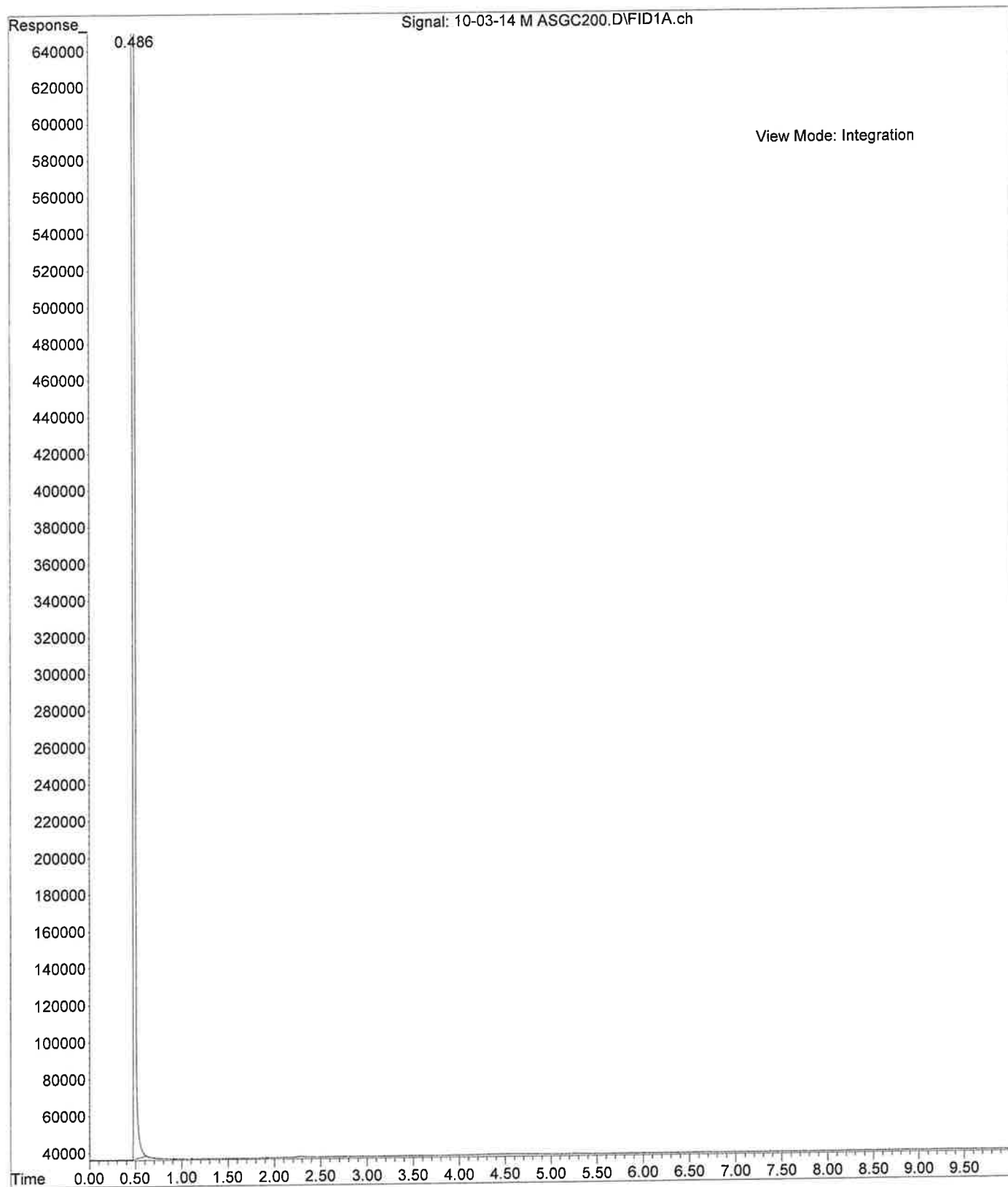
File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\AMP mix ASGC
... 200.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 22:06 using AcqMethod ASGC200.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 200-280c @70c/min for 10 min



File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\PCH mix ASGC
... 200.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 22:30 using AcqMethod ASGC200.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 min

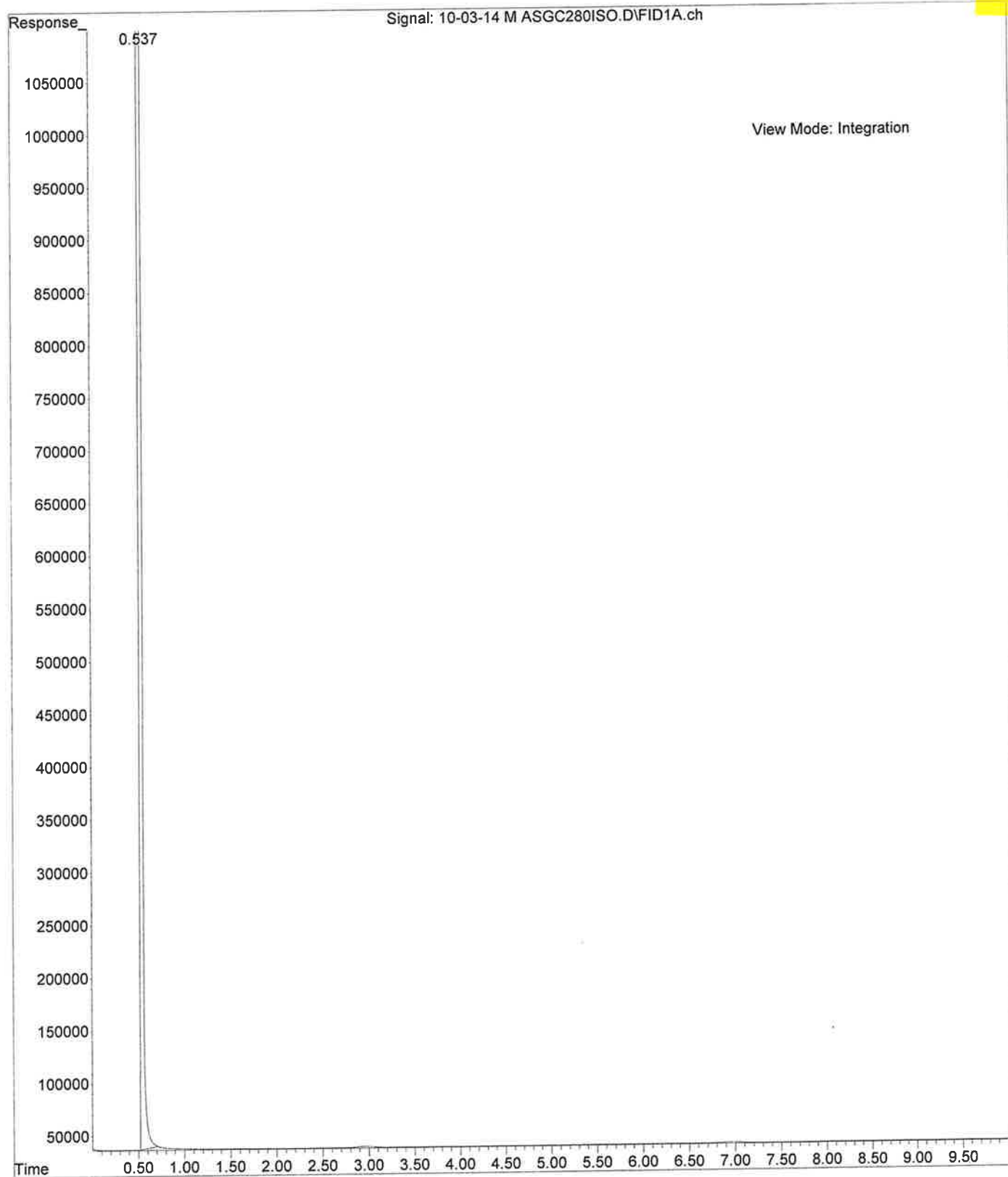


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 M A
... SGC200.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 22:18 using AcqMethod ASGC200.M
Sample Name: Methanol blank
Misc Info : Methanol 200-280c @70c/min for 10 min

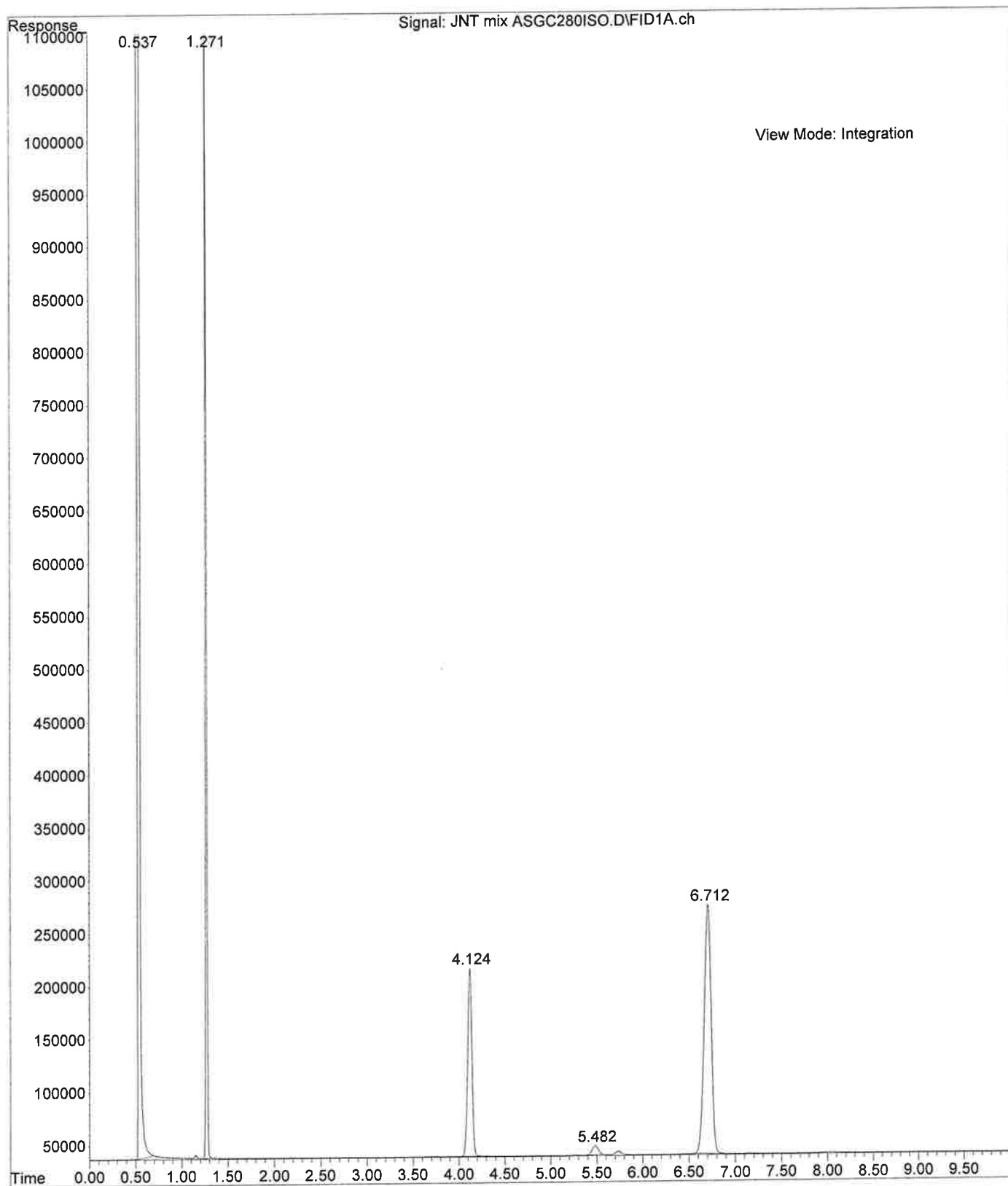


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 M A
... SGC280ISO.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 23:43 using AcqMethod ASGC280ISO.M
Sample Name: Methanol blank
Misc Info : Methanol 280c for 10 min

ASGC280ISO

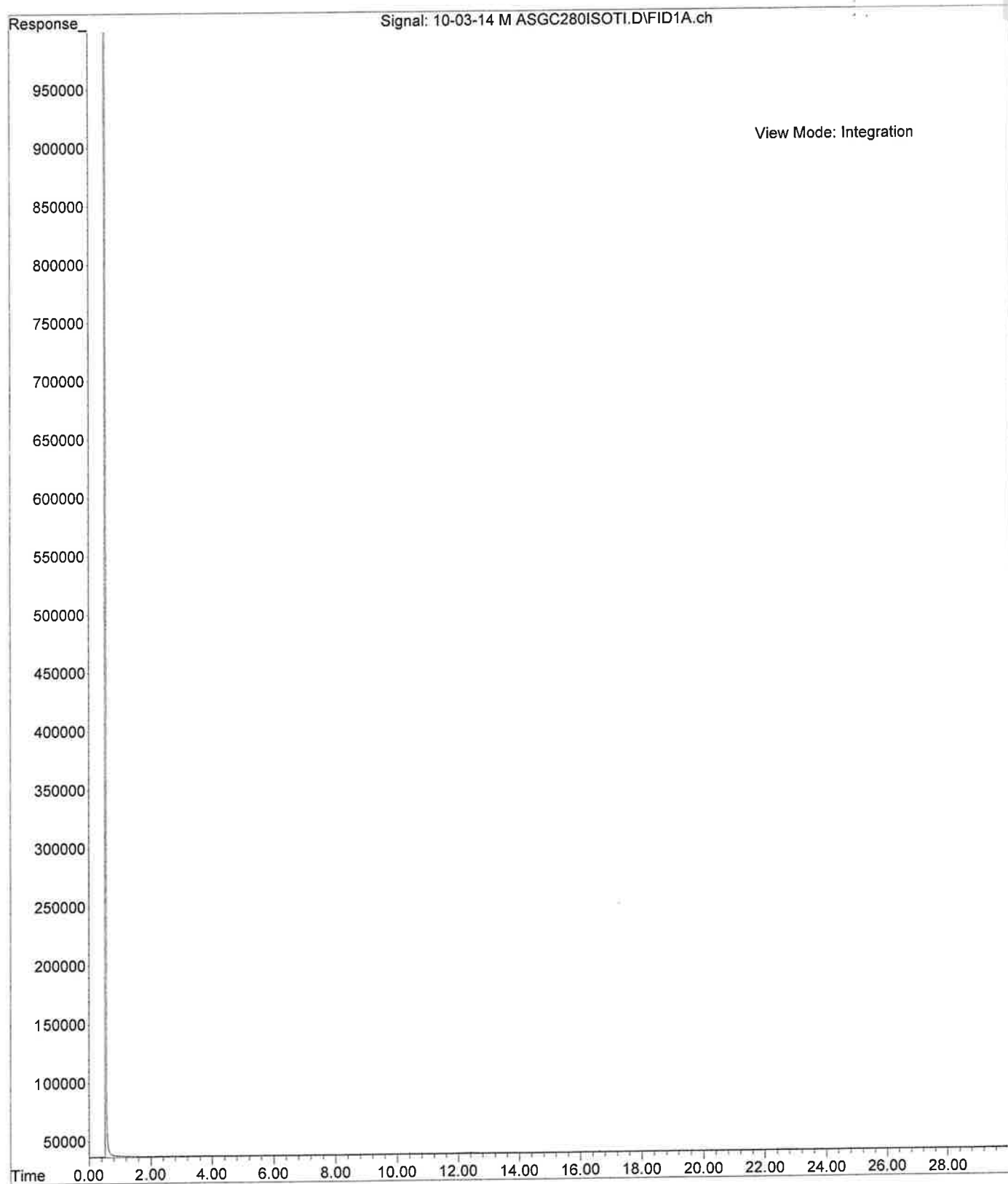


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\JNT mix ASGC
280ISO.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 3 Oct 2014 23:54 using AcqMethod ASGC280ISO.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 10 min

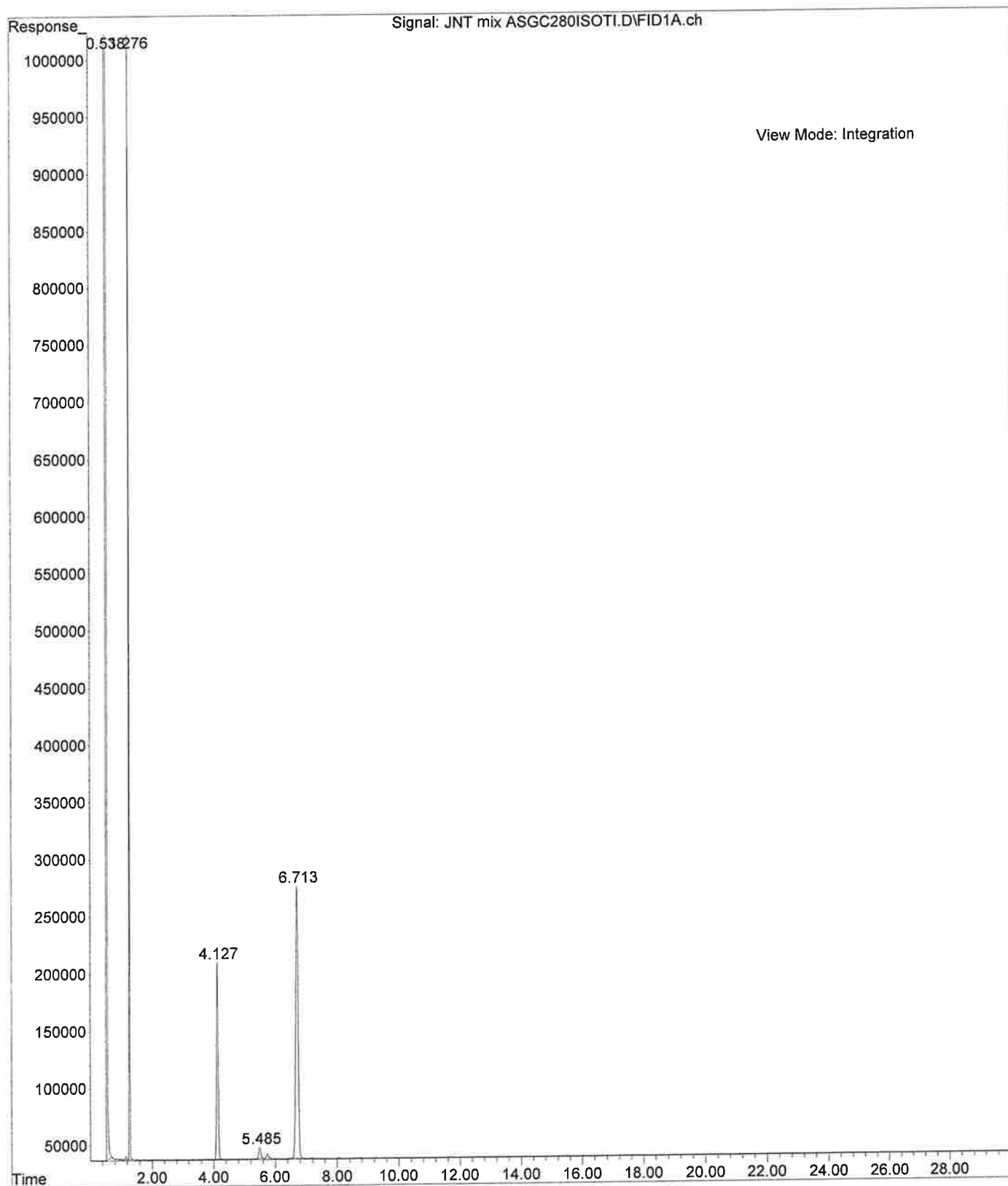


File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\10-03-14 M A
... SGC280ISOTI.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 4 Oct 2014 00:20 using AcqMethod ASGC280ISOTI.M
Sample Name: Methanol blank
Misc Info : Methanol 280c for 30 min

ASGC280ISOTI



File :D:\Data\LJ\nashville 2014\July\sequence 7-16-14\JNT mix ASGC
280ISOTI.D
Operator : NASHVILLE LAB
Instrument : Eggroll
Acquired : 4 Oct 2014 00:52 using AcqMethod ASGC280ISOTI.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 30 min



ESPRESSO

EXPRESSO Summary: GCMS comparisons

	Methods				
<u>Compounds</u>	MSDRUGS60	MS100TR	MS200TR	MSDRUGSTI	MS280ISO
Amphetamine	+	+	-	+	/
Phentermine	+	+	-	+	/
Methamphetamine	+	+	-	+	/
Pethidine	+	+	+	+	/
Cocaine	+	+	+	+	/
Hydrocodone	+	+	+	+	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

	Methods				
<u>Compounds</u>	ASMSDRUGS60	ASMS100TR	ASMS200TR	ASMSDRUGSTI	ASMS280ISO
Amphetamine	+	+	-	+	/
Phentermine	+	+	-	+	/
Methamphetamine	+	+	-	+	/
Pethidine	+	+	+	+	/
Cocaine	+	+	+	+	/
Hydrocodone	+	+	+	+	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

/ = Compounds not run on method

+ = Compounds present

- = Compounds absent

EXPRESSO Summary: GC Retention times

	Methods				
<u>Compounds</u>	GC100	GC200	GC150ISO	GC280ISO	GC280ISOTI
Amphetamine	1.269	0.554	0.677	-	-
Phentermine	1.404	0.574	0.720	-	-
Methamphetamine	1.484	0.590	0.741	-	-
Pethidine	2.912	1.158	*	-	-
Cocaine	3.651	2.045	*	-	-
Hydrocodone	4.062	2.500	*	-	-
Testosterone	-	-	-	1.455	1.452
JWH 081	-	-	-	4.937	4.935
Nandrolone Undecanoate	-	-	-	8.103	8.099

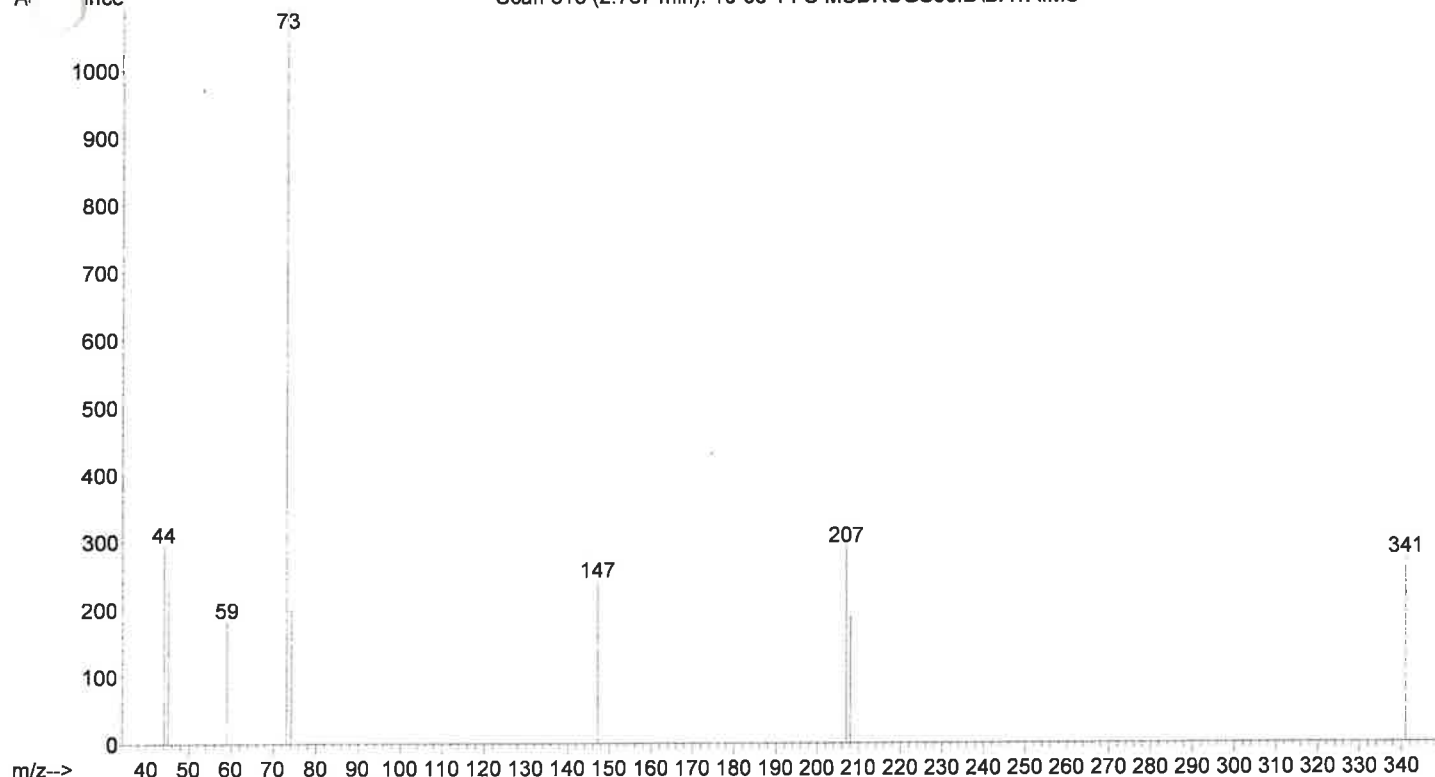
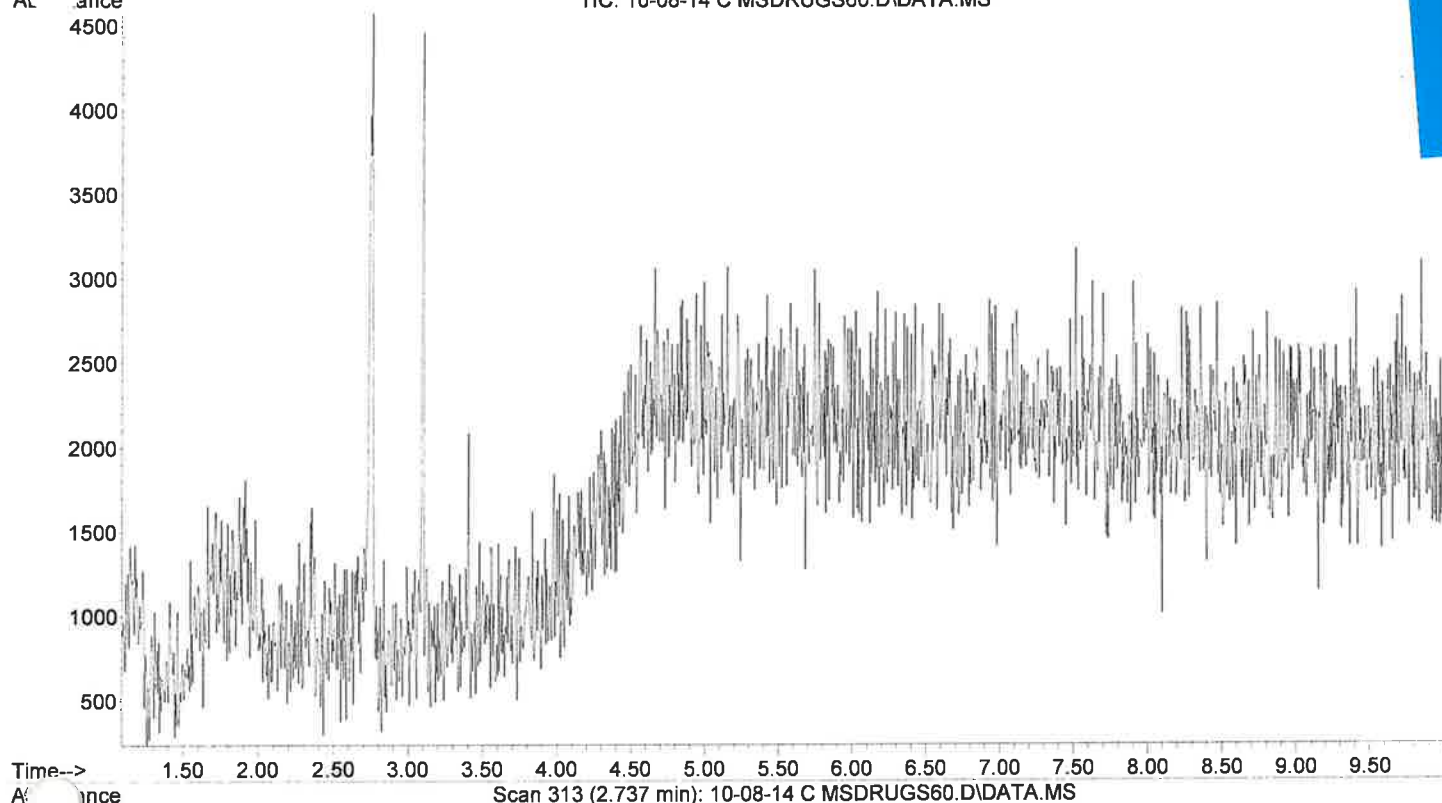
	Methods				
<u>Compounds</u>	ASGC100	ASGC200	ASGC150ISO	ASGC280ISO	ASGC280ISOTI
Amphetamine	1.289	*	0.698	-	-
Phentermine	1.421	*	0.739	-	-
Methamphetamine	1.500	*	0.762	-	-
Pethidine	2.914	1.185	*	-	-
Cocaine	3.660	2.053	*	-	-
Hydrocodone	4.074	2.504	*	-	-
Testosterone	-	-	-	1.483	1.470
JWH 081	-	-	-	4.974	4.957
Nandrolone Undecanoate	-	-	-	8.130	8.120

- = Compounds not run on method

*= GC chromatographs had 2 prominent peaks or less (unable to attribute identification to suspected compound peaks)

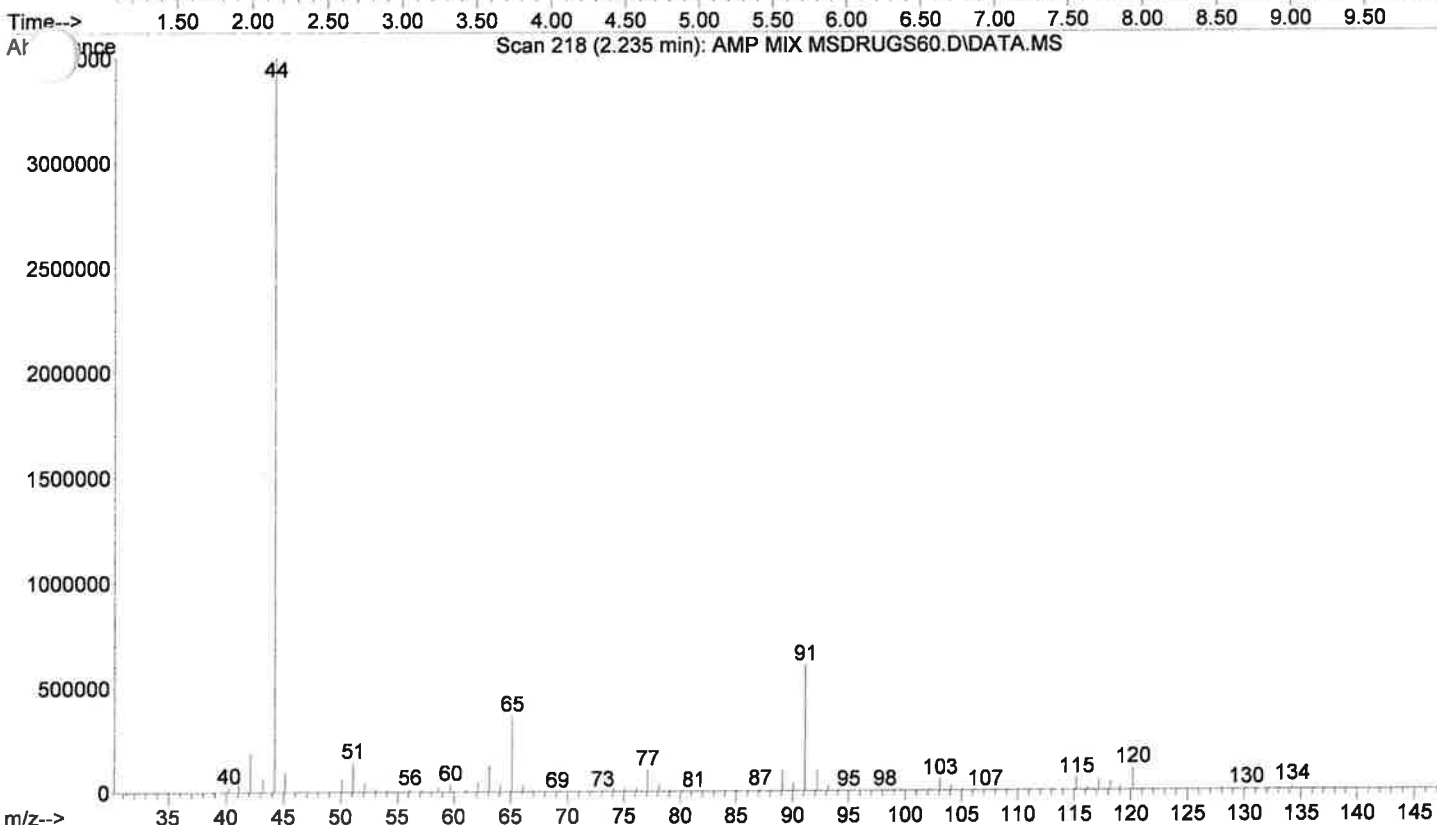
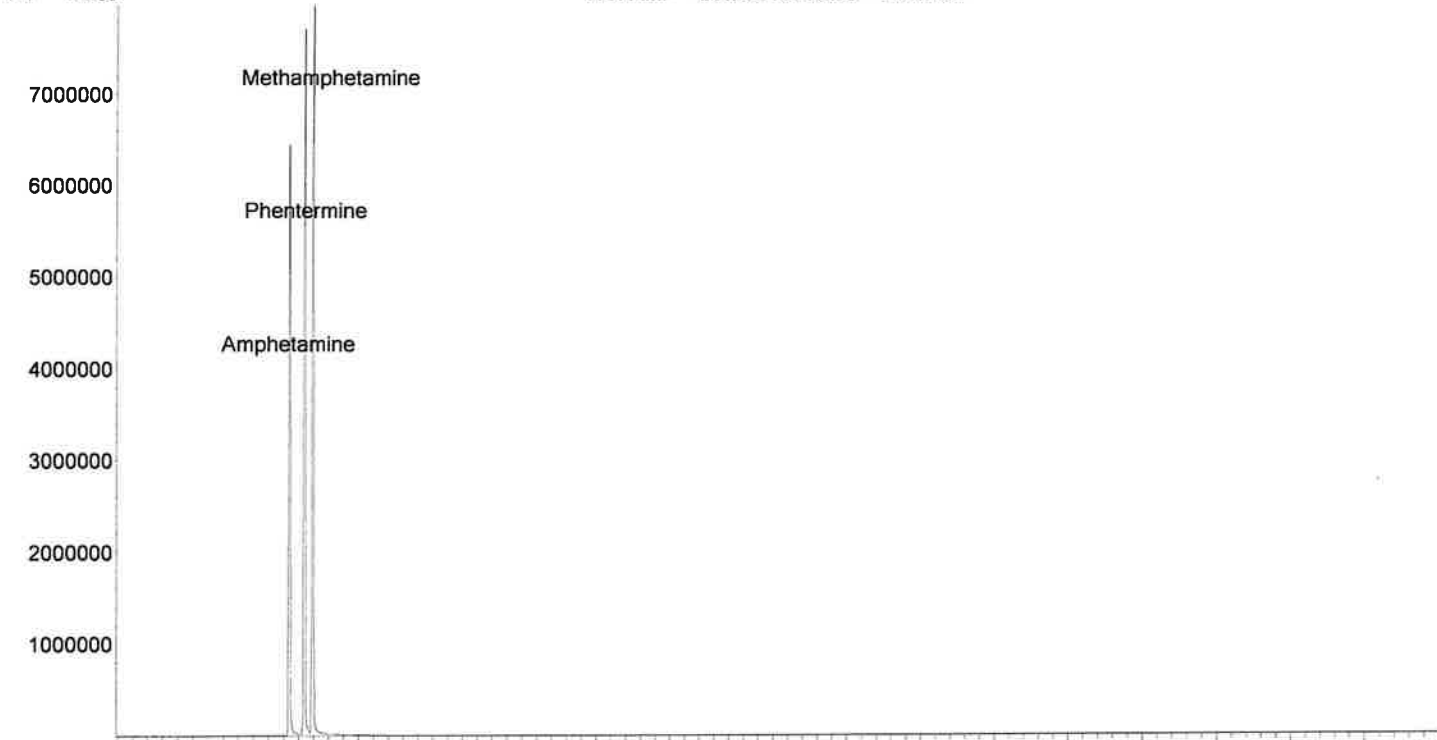
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\10-08-14 C MSDRUGS60.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 13:40
Information: Chloroform Blank Misc. Information: Chloroform 60-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M
ALANCE TIC: 10-08-14 C MSDRUGS60.D\DATA.MS

MSDRUGS60



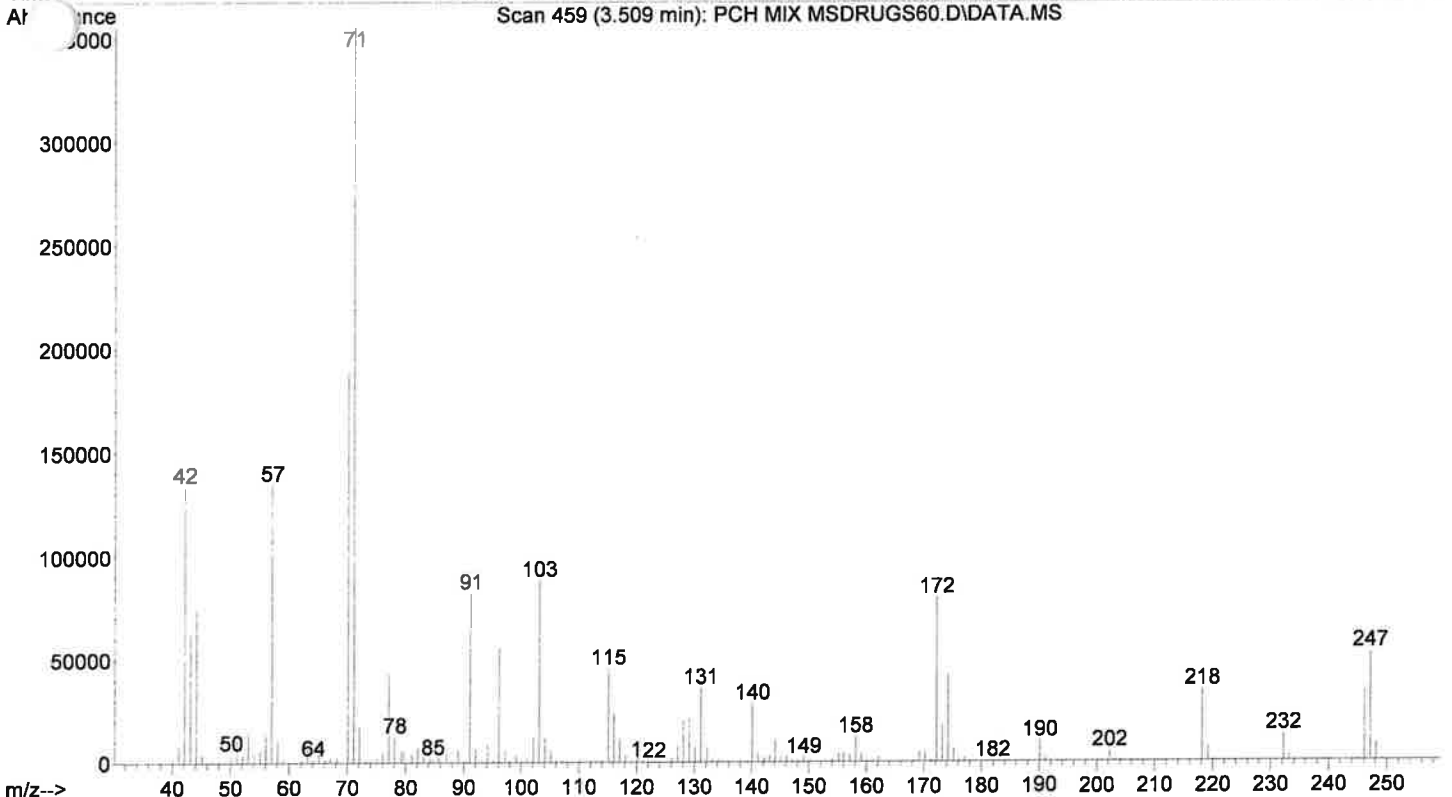
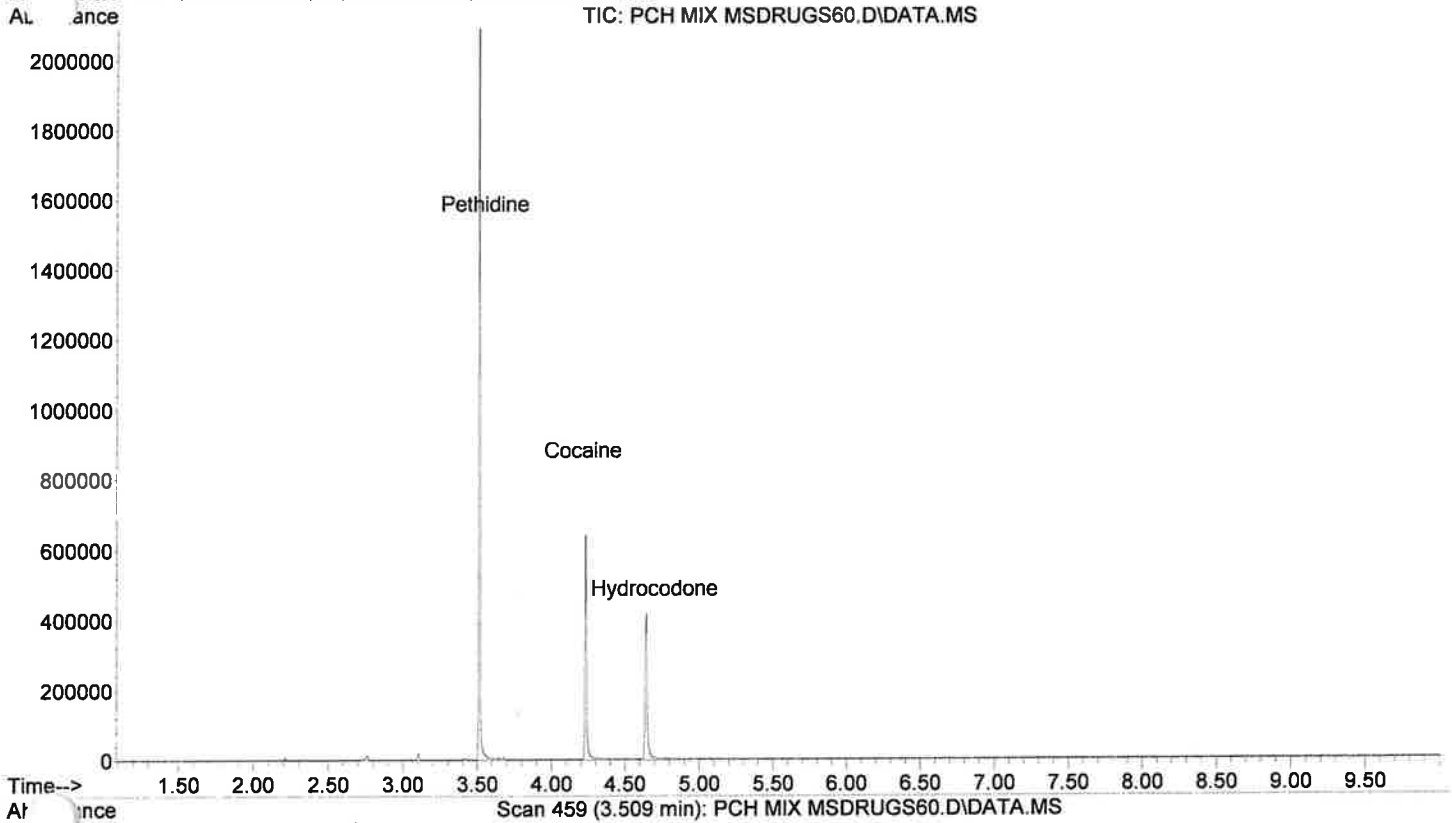
Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.39 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\AMP MIX MSDRUGS60.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 13:56
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 60-280c @70c,
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M
AL:
ance
TIC: AMP MIX MSDRUGS60.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.39 psi
I: temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\PCH MIX MSDRUGS60.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 14:51
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 60-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M
AL: PCH MIX MSDRUGS60.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.39 psi
Initial temperature: 250 °C Split Ratio: 200:1 Transfer Line Temp: 280 °C
Initial oven temp: 60 °C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\AMP MIX MS DRUGS60.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

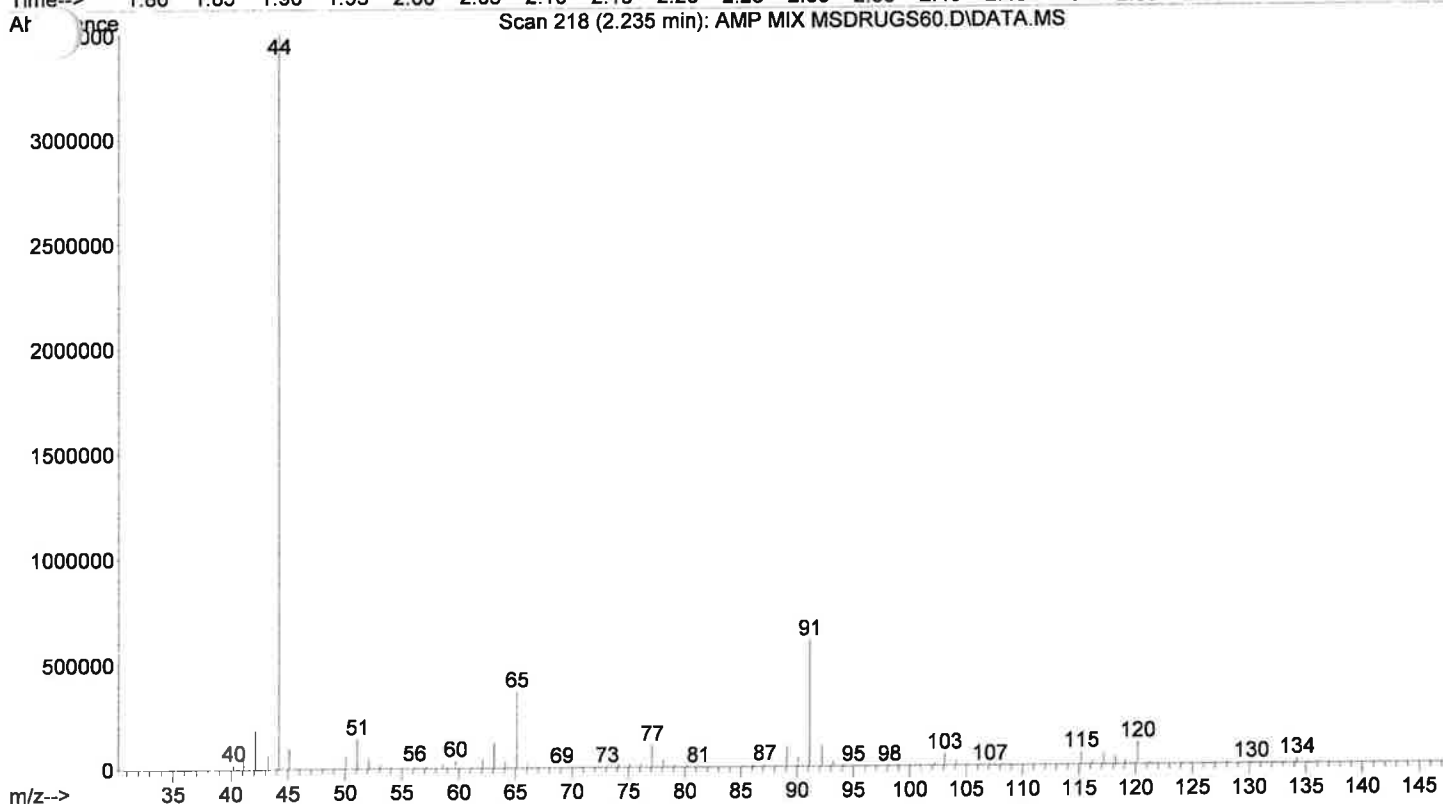
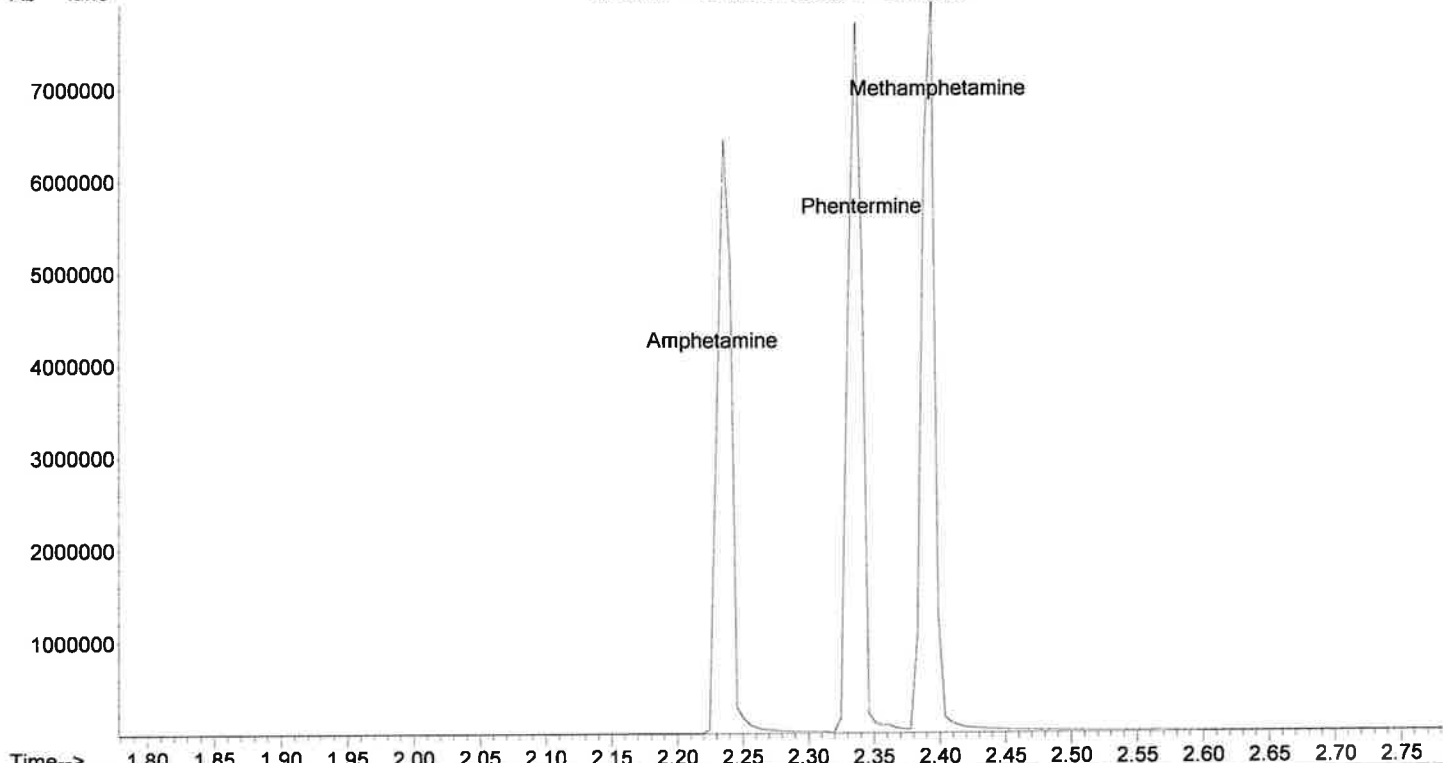
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Acquired by Lela Jackson on 8 Oct 2014 13:56

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 60-280c @70c,

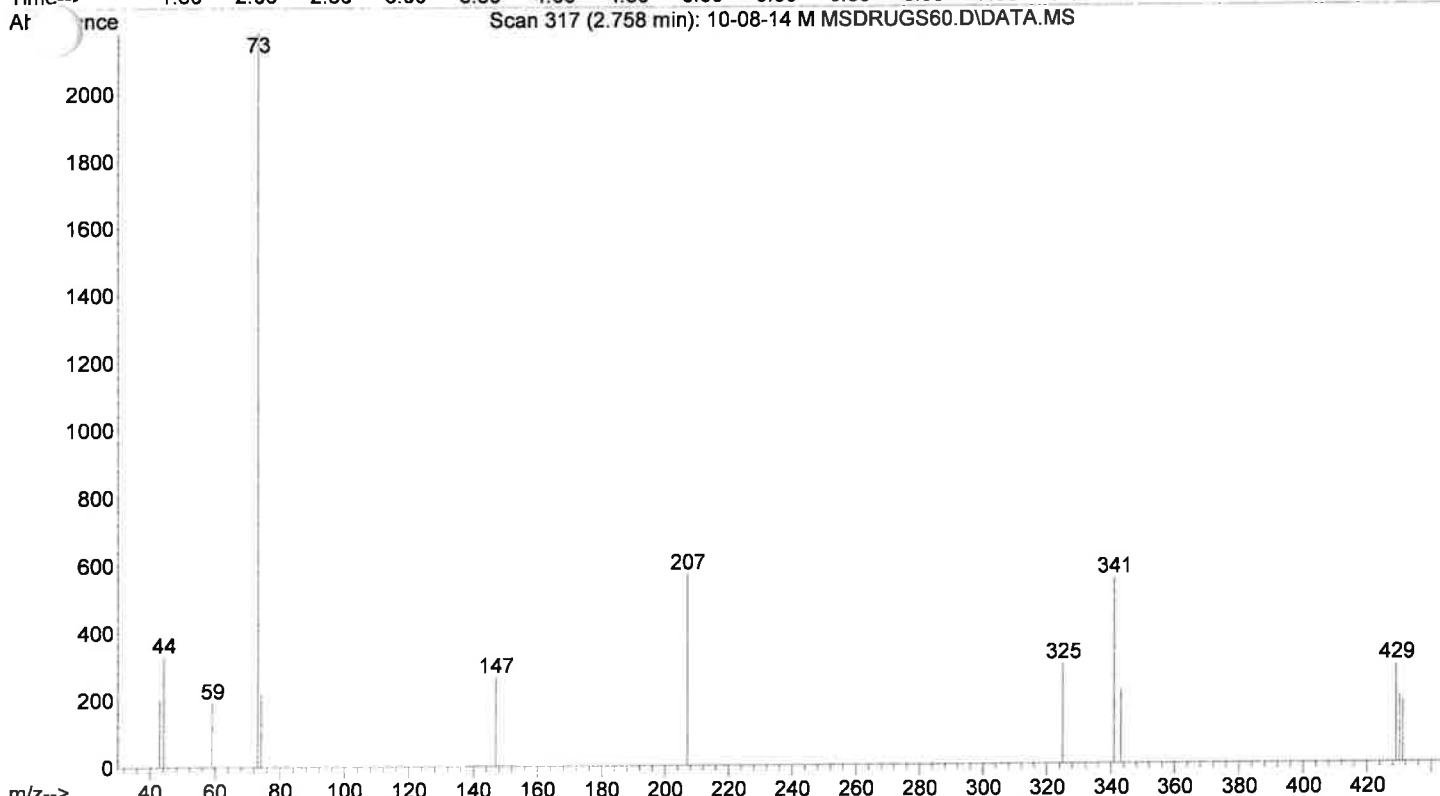
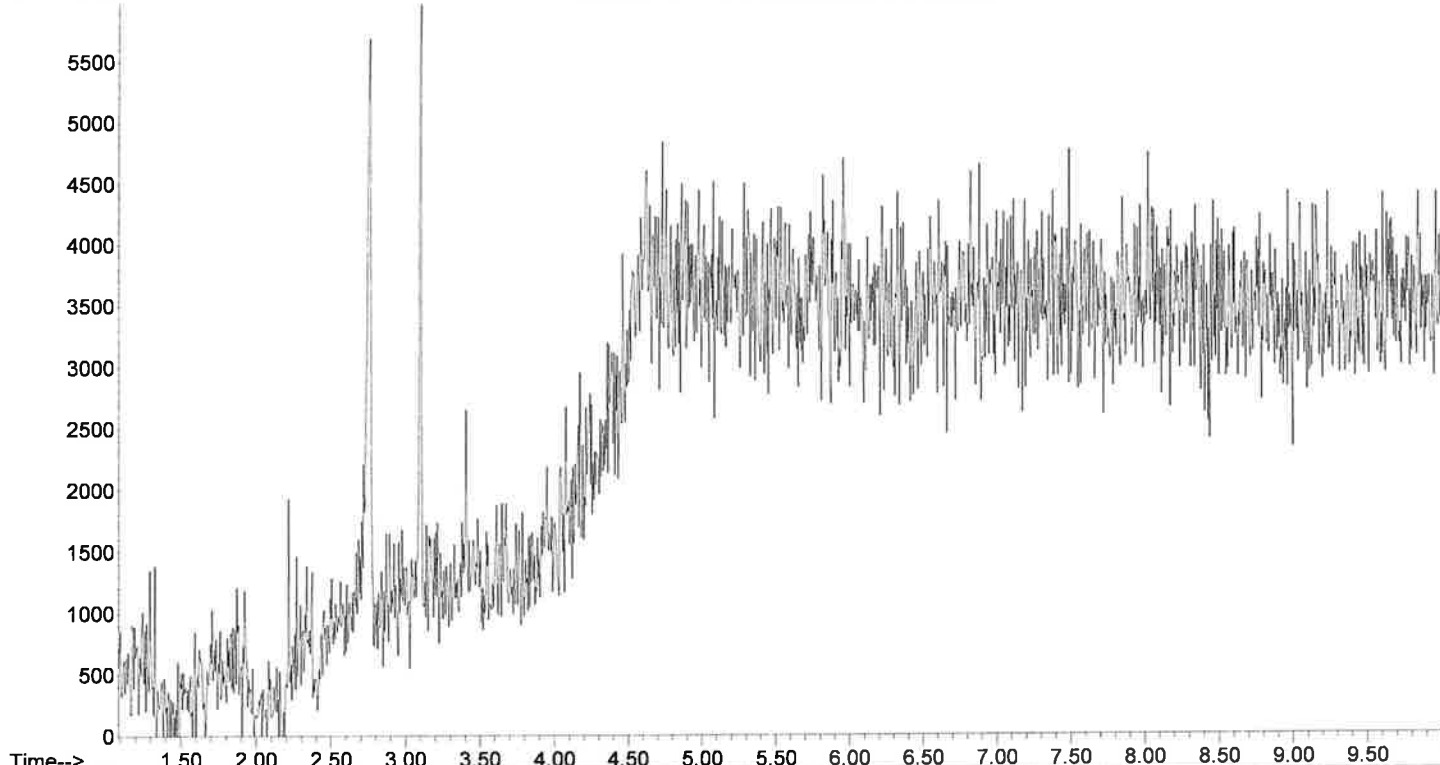
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M

ALance TIC: AMP MIX MS DRUGS60.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.39 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

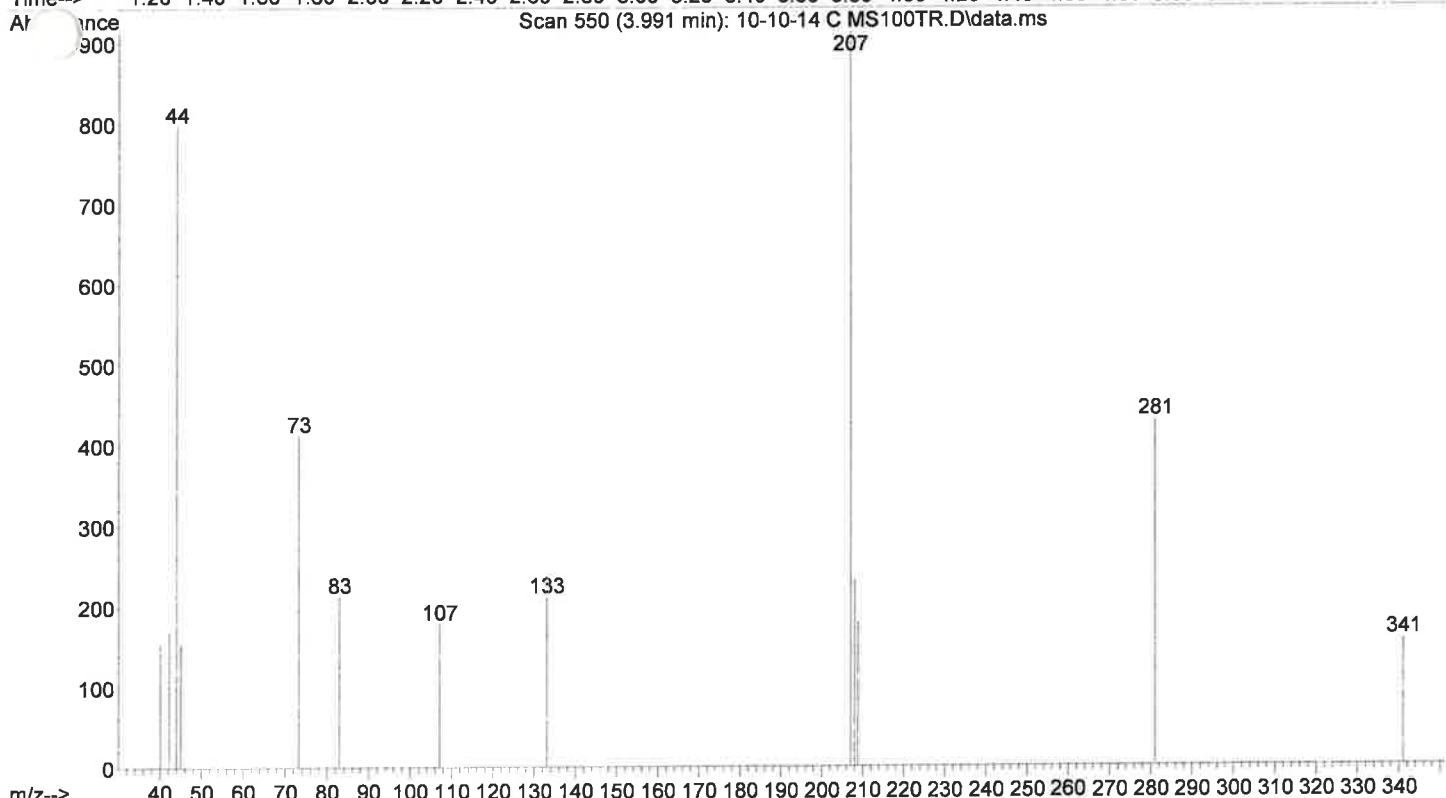
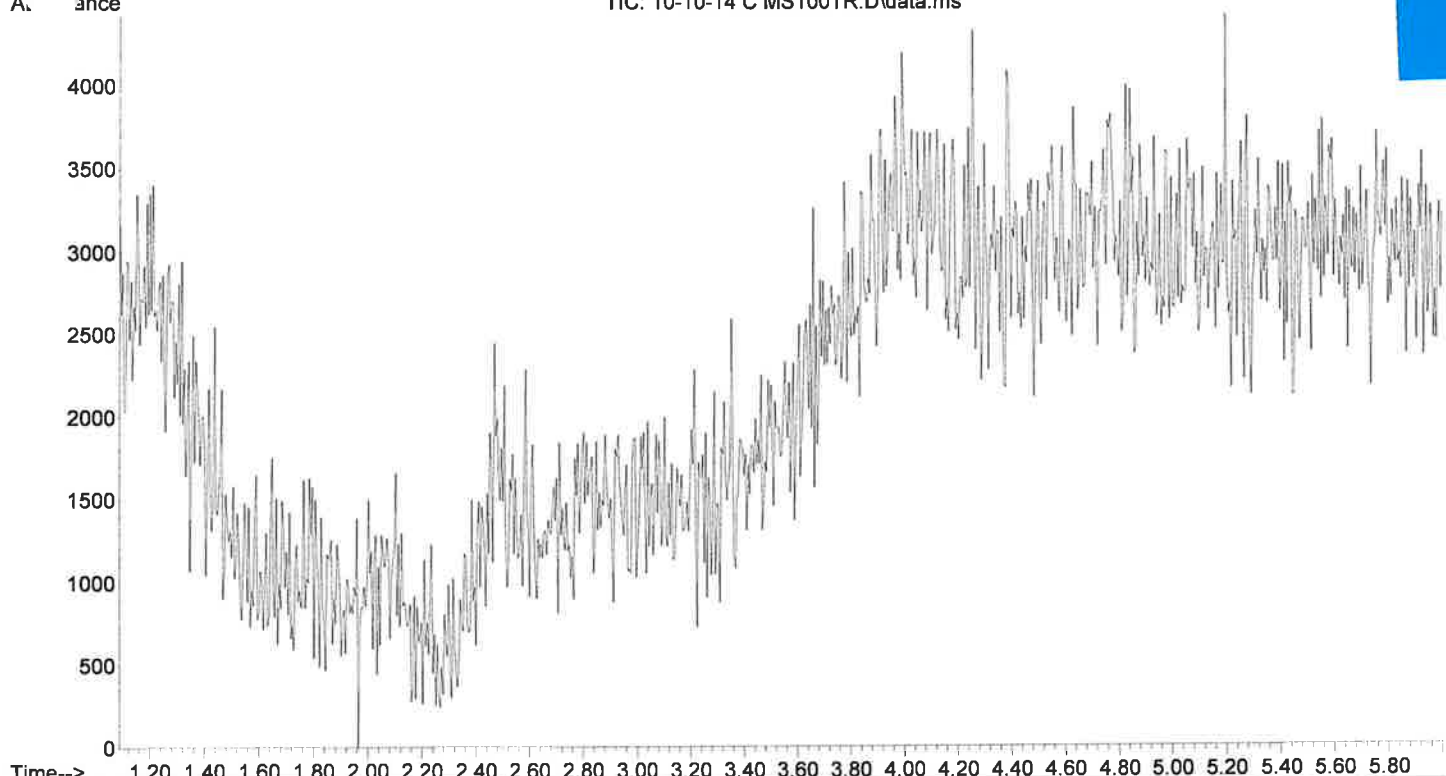
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\10-08-14 M MS DRUGS60.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 14:35
Information: Methanol Blank Misc. Information: Methanol 60-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M
AL Ince TIC: 10-08-14 M MS DRUGS60.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.39 psi
Temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

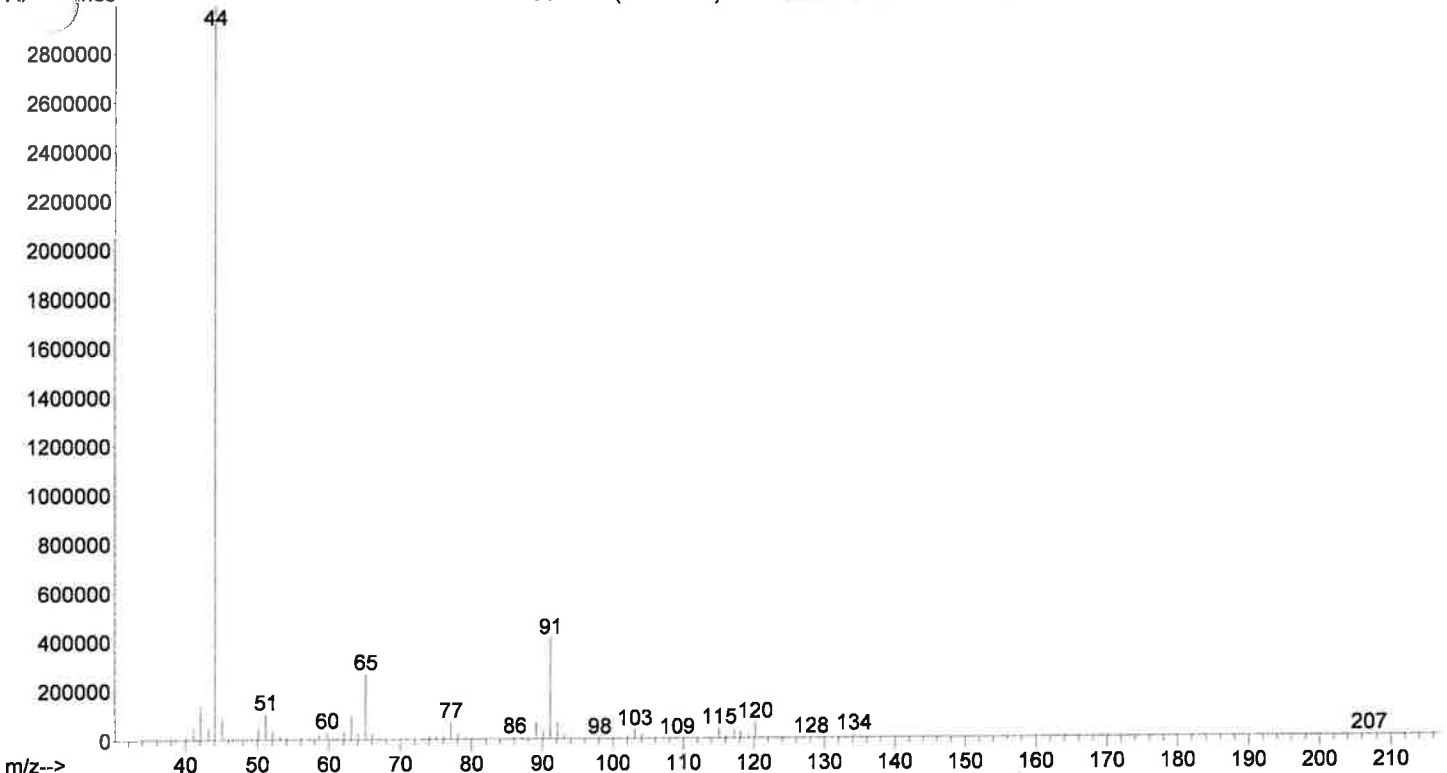
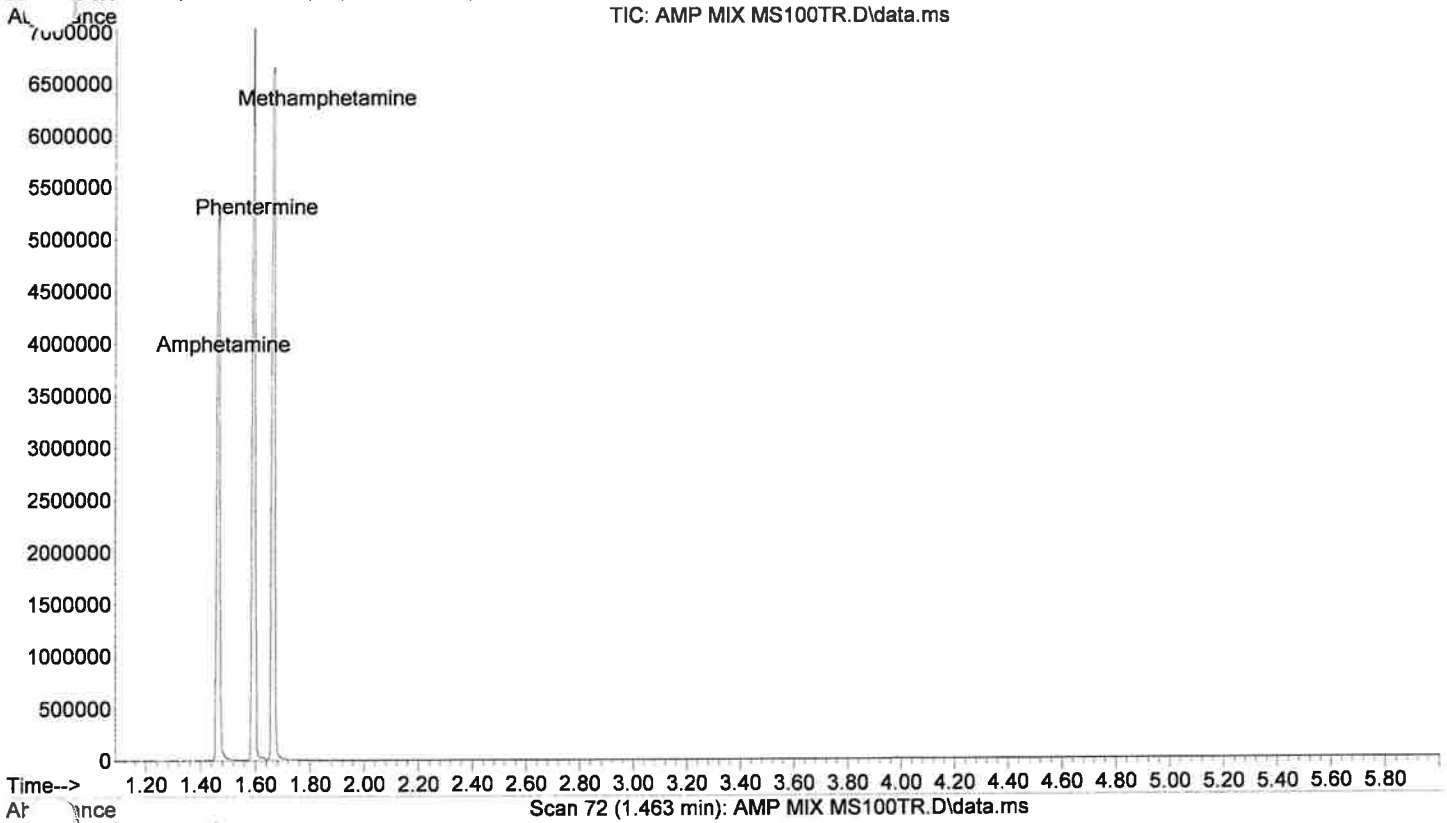
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\10-10-14 C MS100TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 10 Oct 2014 9:35
Information: Chloroform blank Misc. Information: Chloroform 100-280c for 6 min
Method: C:\MSDCHEM\1\METHODS\MS100TR.M
Title: 10-10-14 C MS100TR.D\data.ms

MS100TR



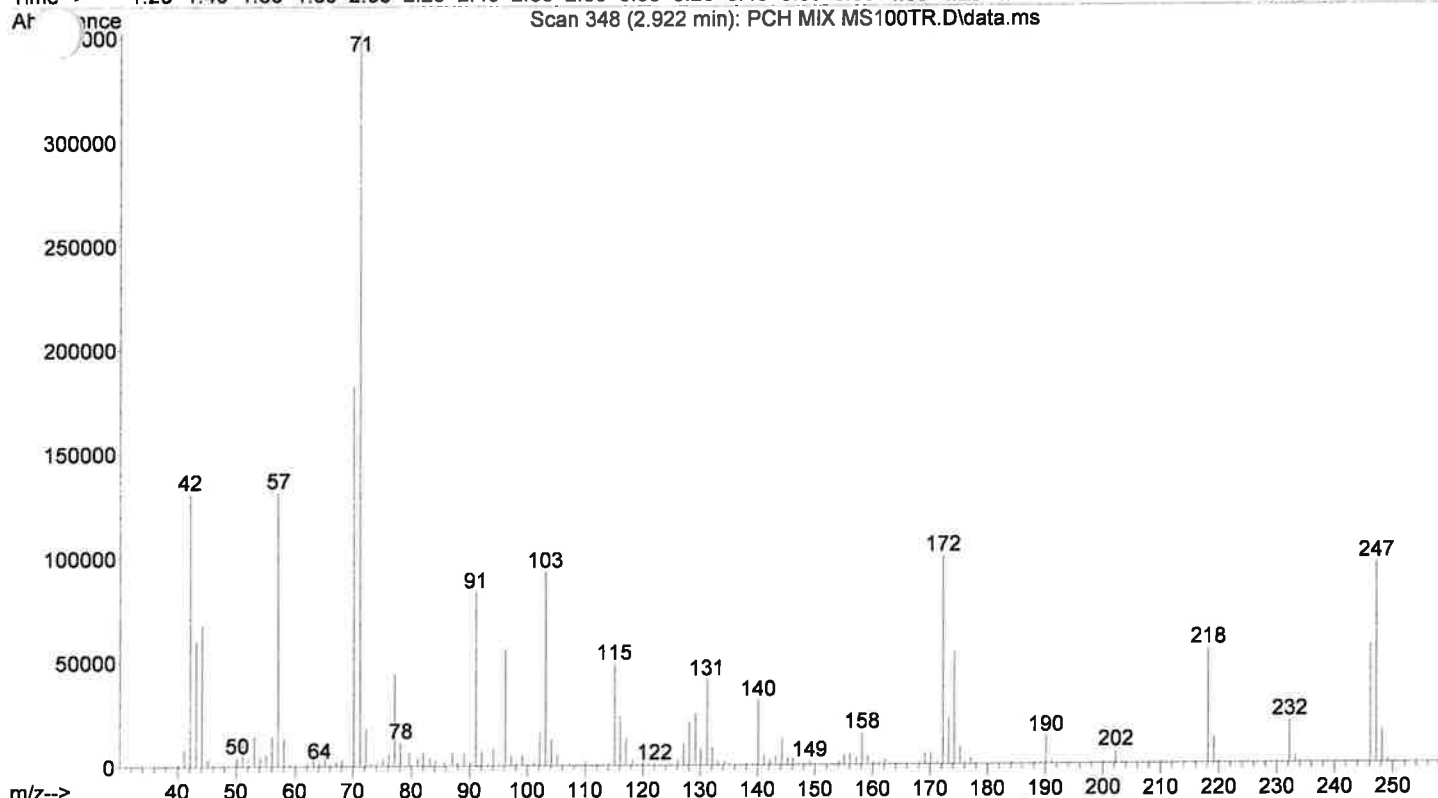
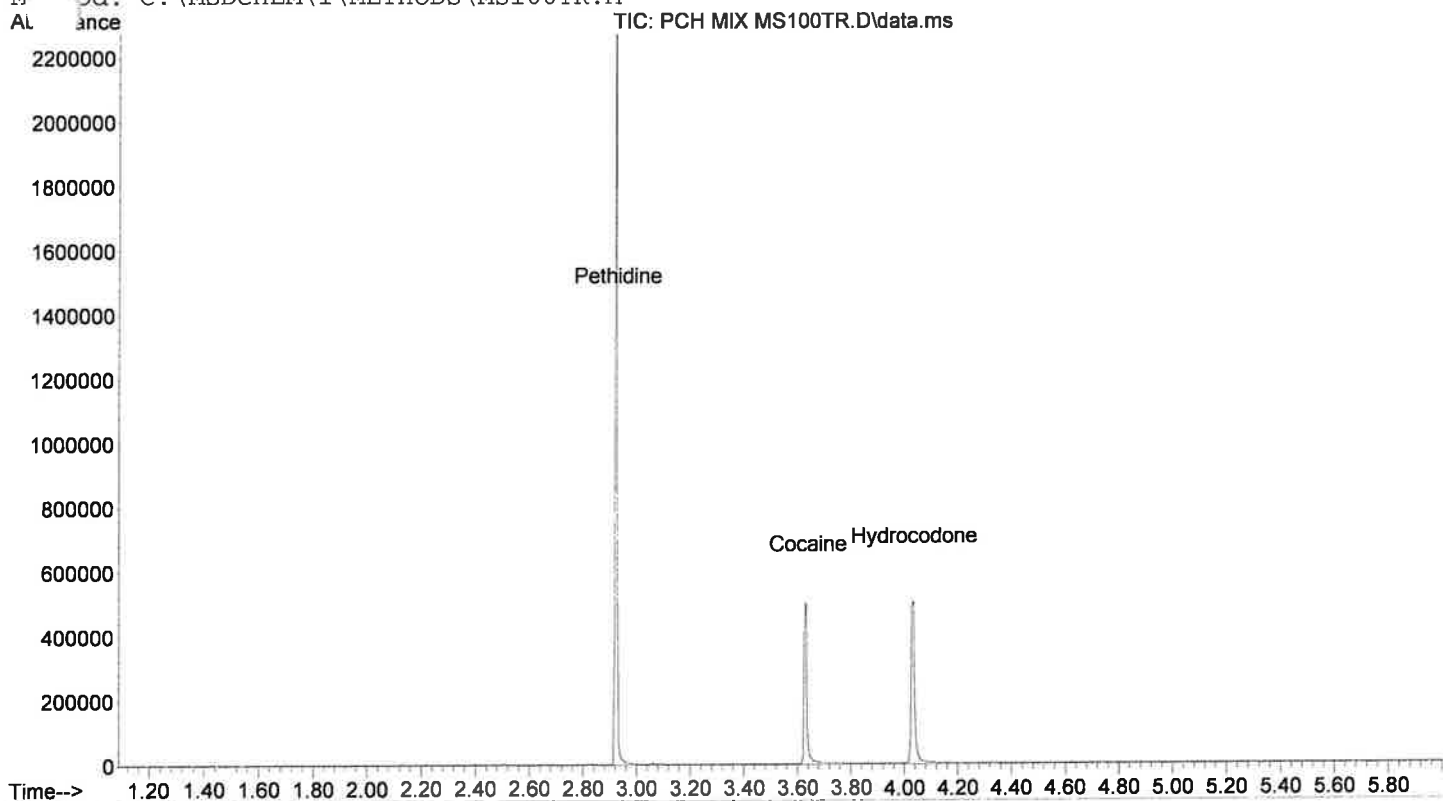
Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\AMP MIX MS100TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 10 Oct 2014 9:45
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c for
Method: C:\MSDCHEM\1\METHODS\MS100TR.M
Title: AMP MIX MS100TR.D\data.ms



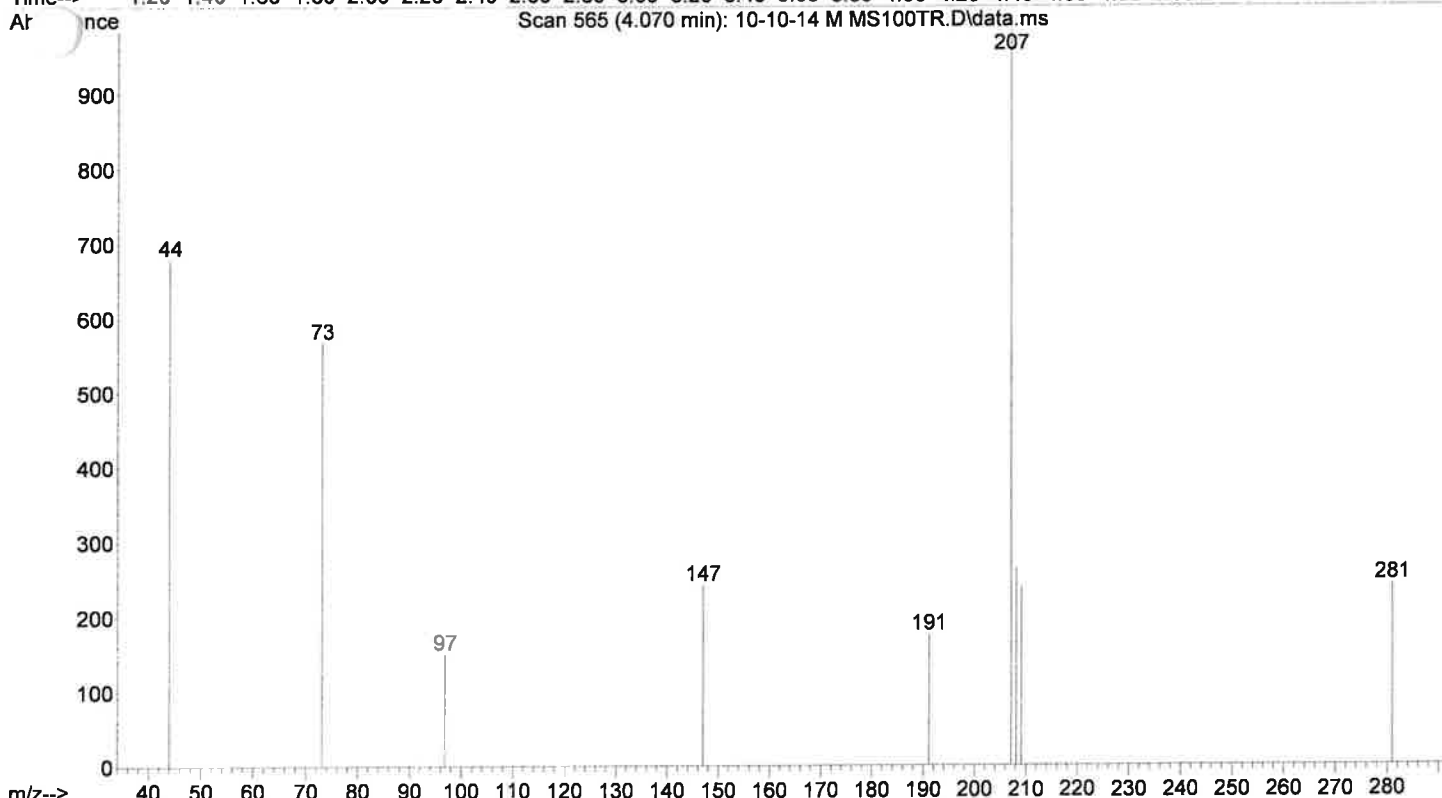
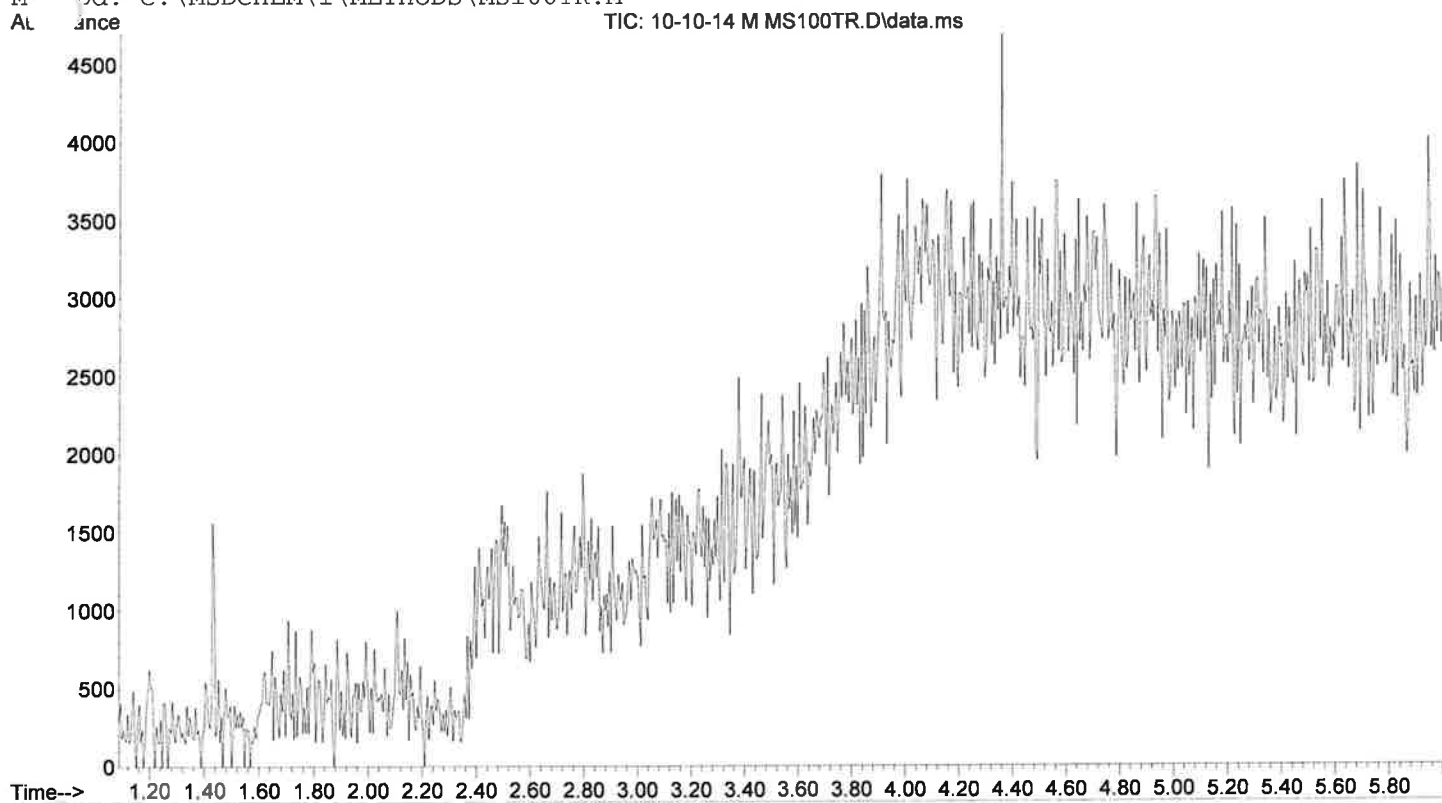
Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\PCH MIX MS100TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 10 Oct 2014 10:08
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c for 6 min
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

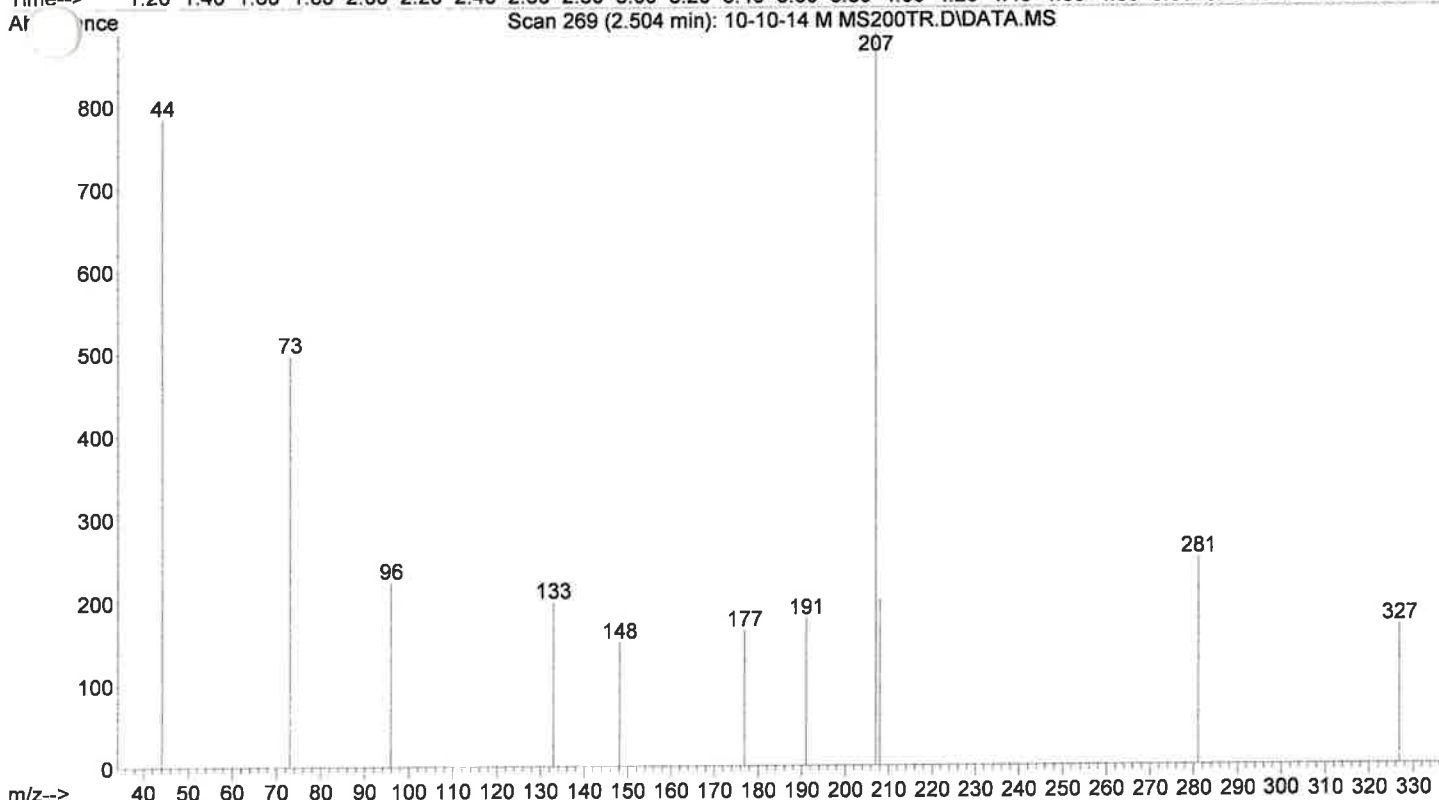
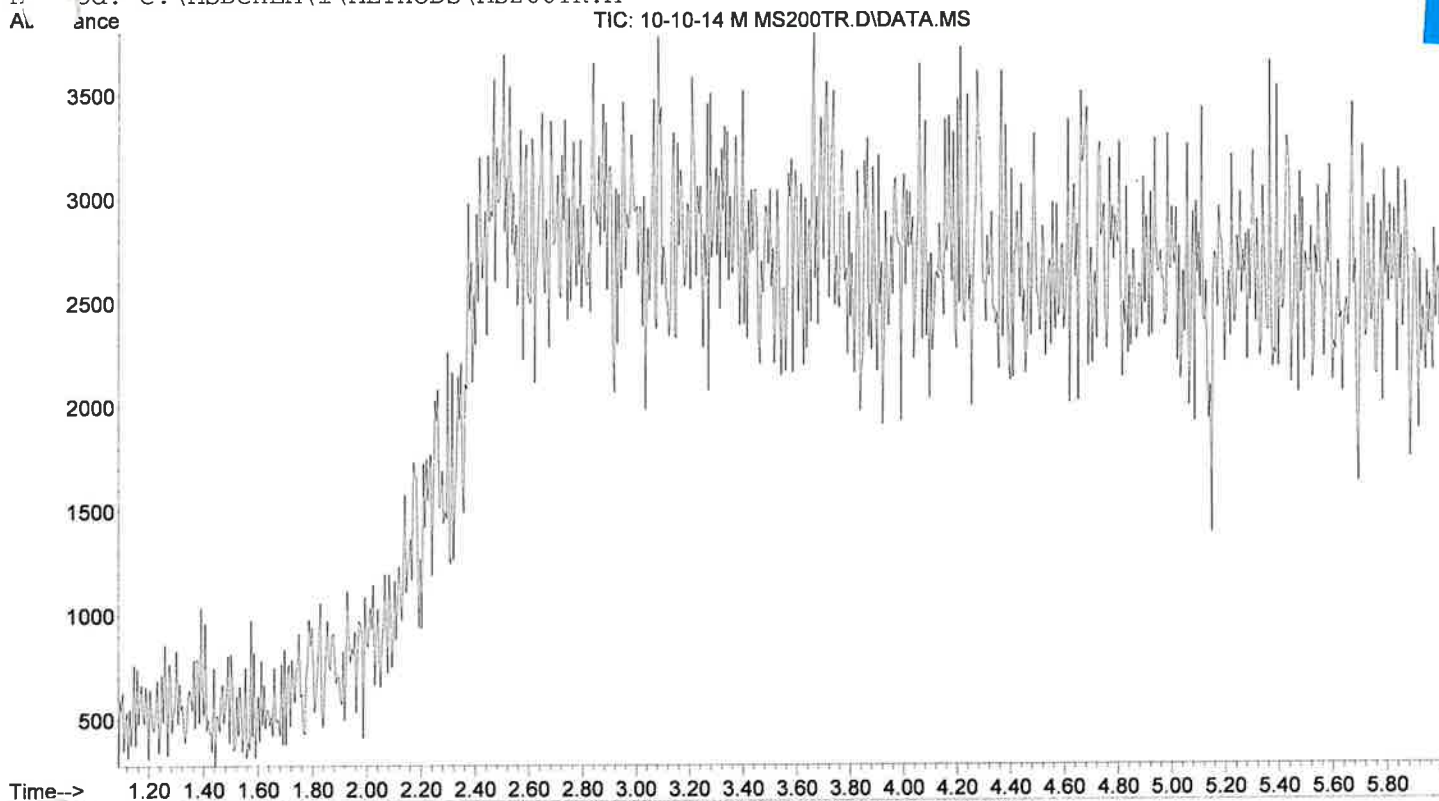
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\10-10-14 M MS100TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 10 Oct 2014 9:57
Information: Methanol Blank Misc. Information: Methanol 100-280c for 6 min
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
I: temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

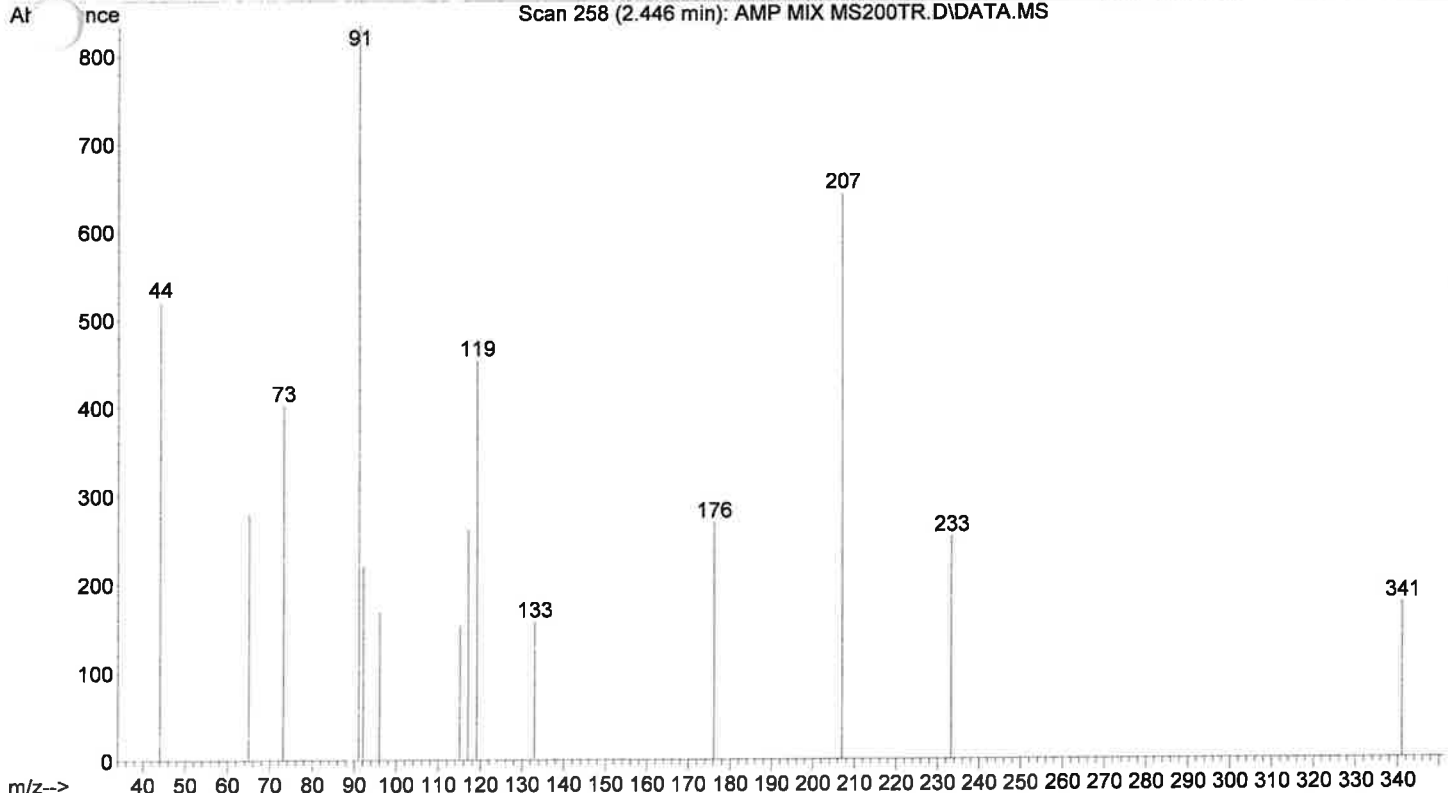
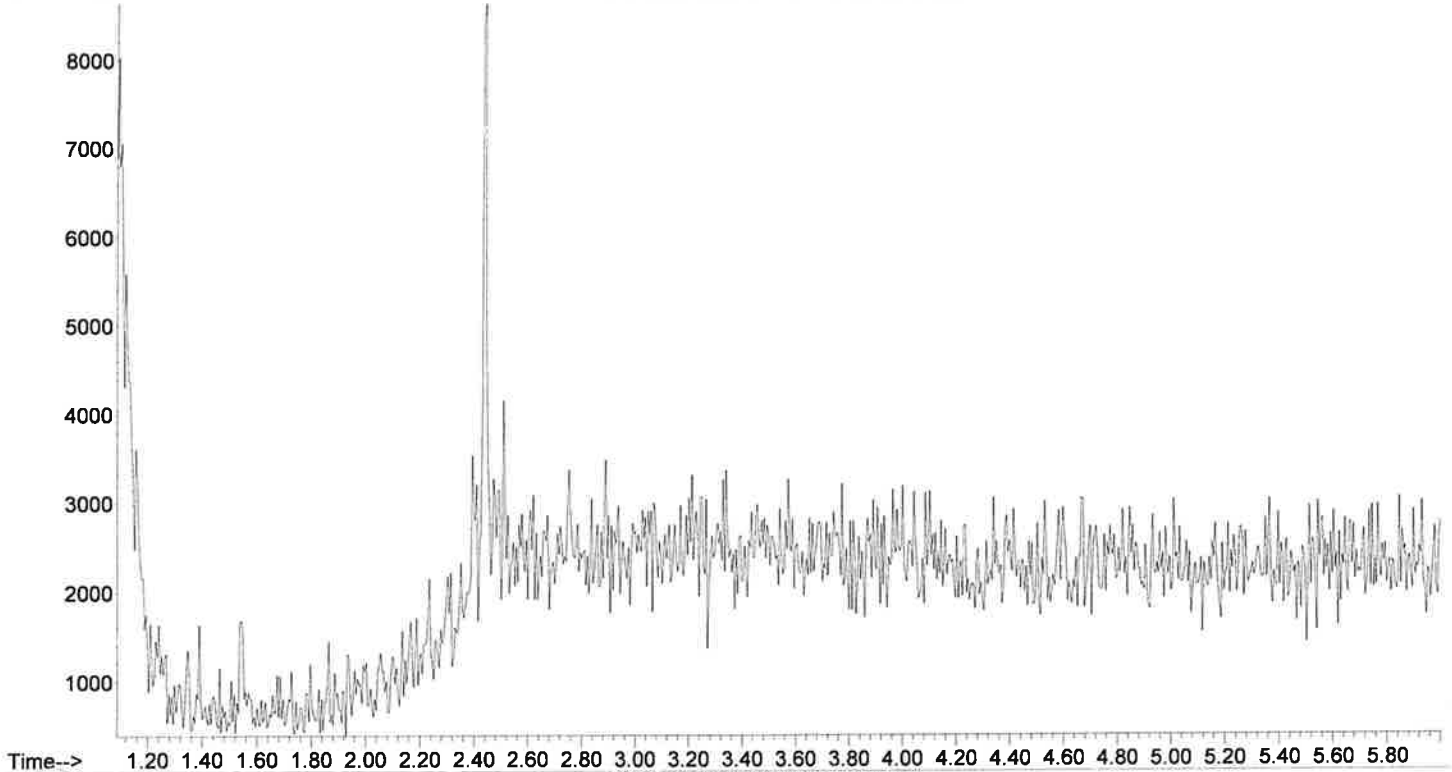
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\10-10-14 M MS200TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 10 Oct 2014 10:32
Information: Methanol Blank Misc. Information: Methanol 200-280c for 6 min
Method: C:\MSDCHEM\1\METHODS\MS200TR.M

MS200TR



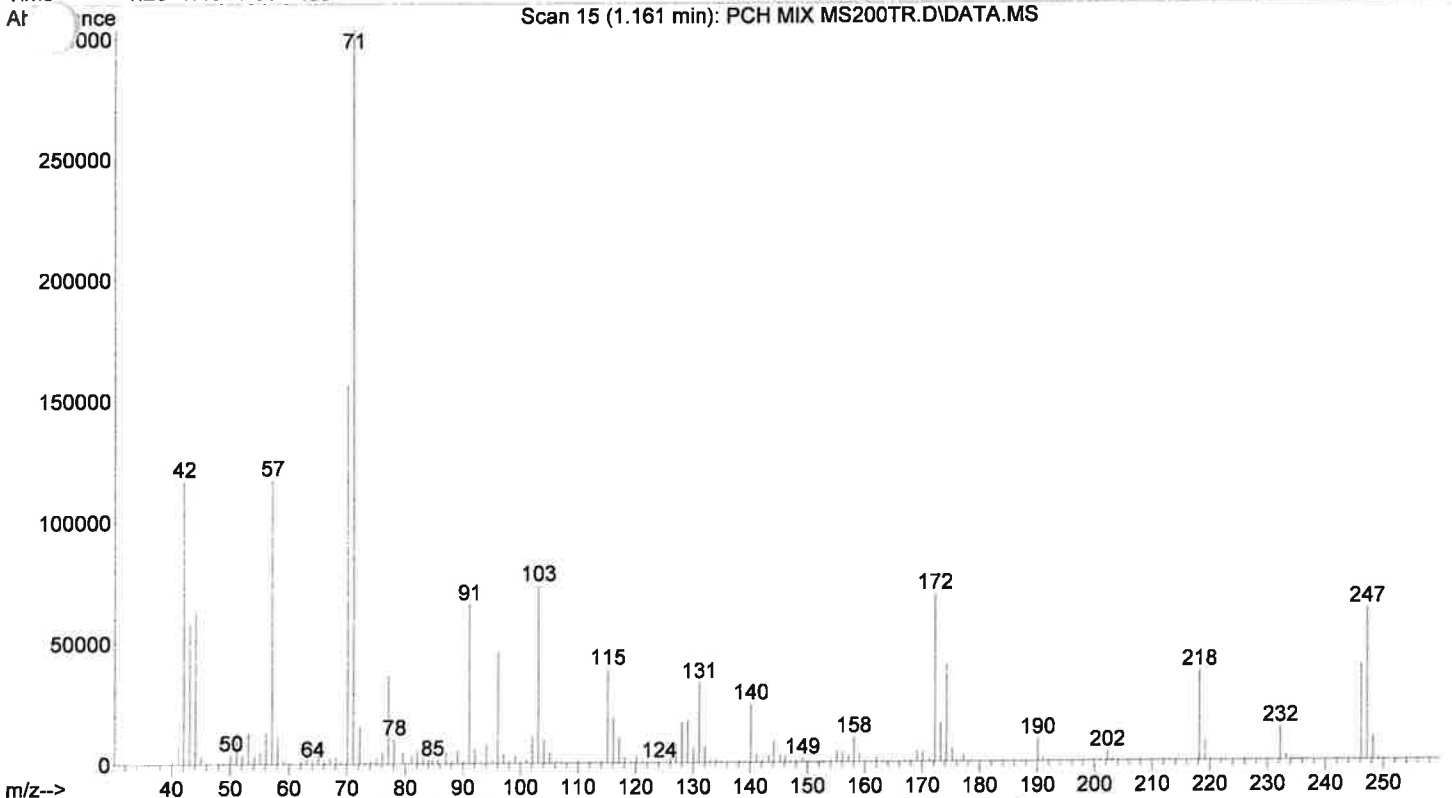
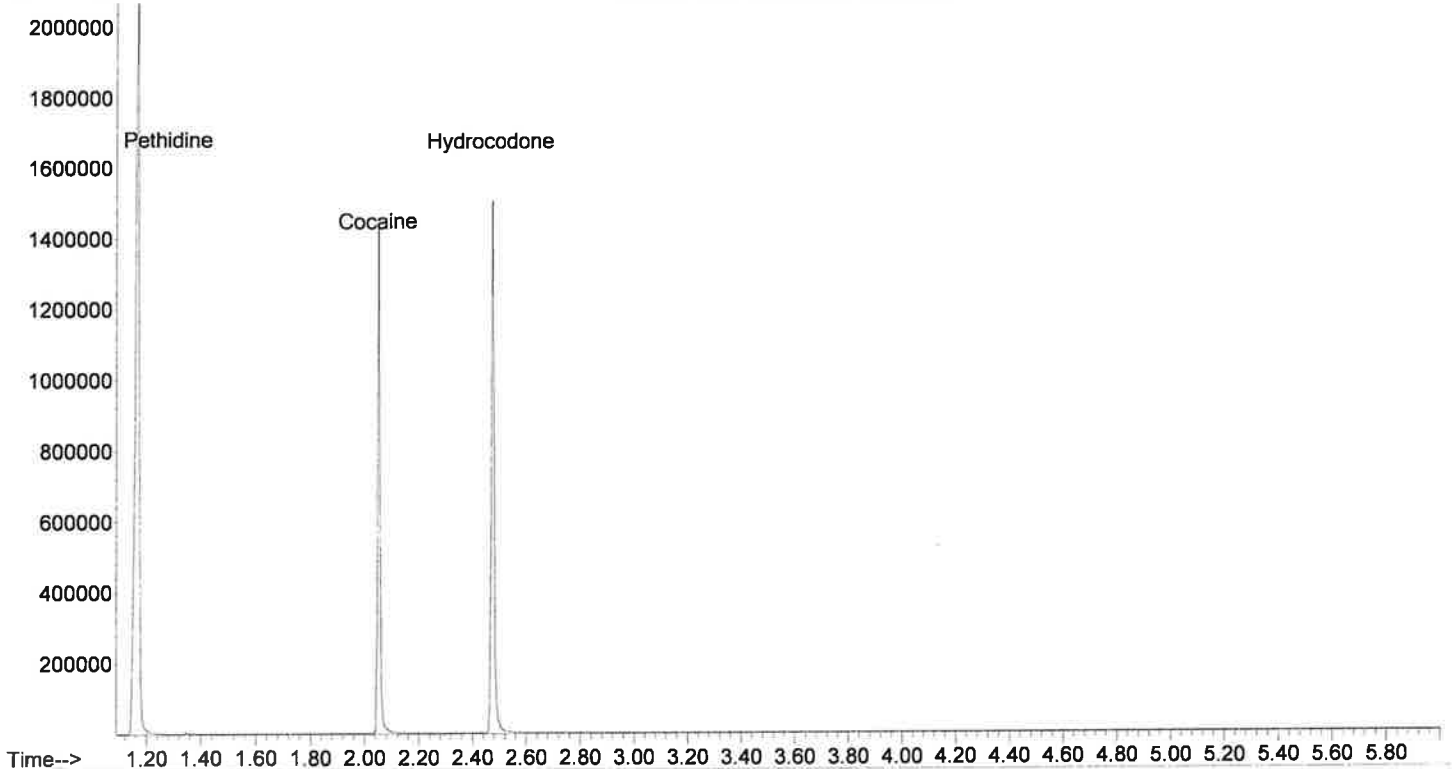
Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 'C Split Ratio: 100:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\AMP MIX MS200TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 10 Oct 2014 10:25
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 200-280c for
Method: C:\MSDCHEM\1\METHODS\MS200TR.M
AL: AMP MIX MS200TR.D\DATA.MS



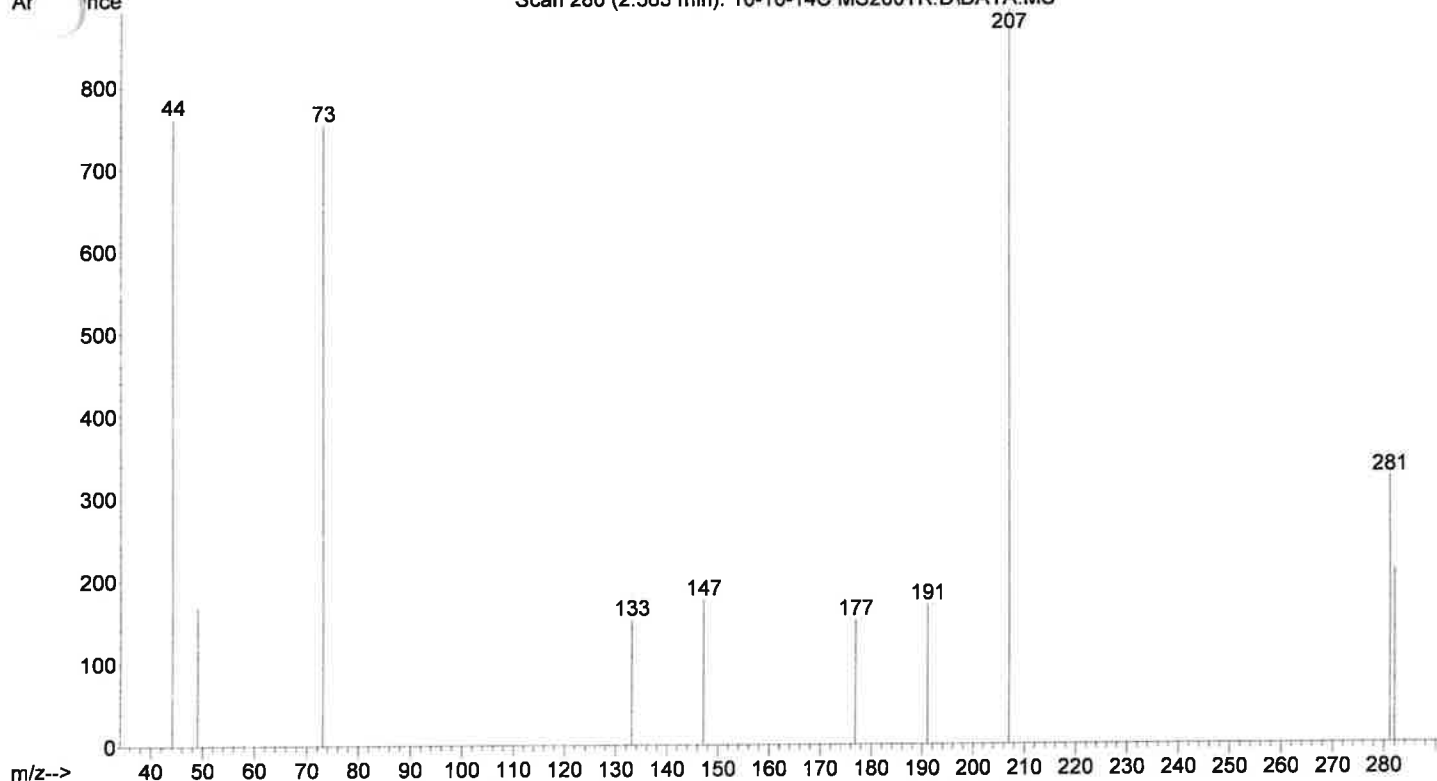
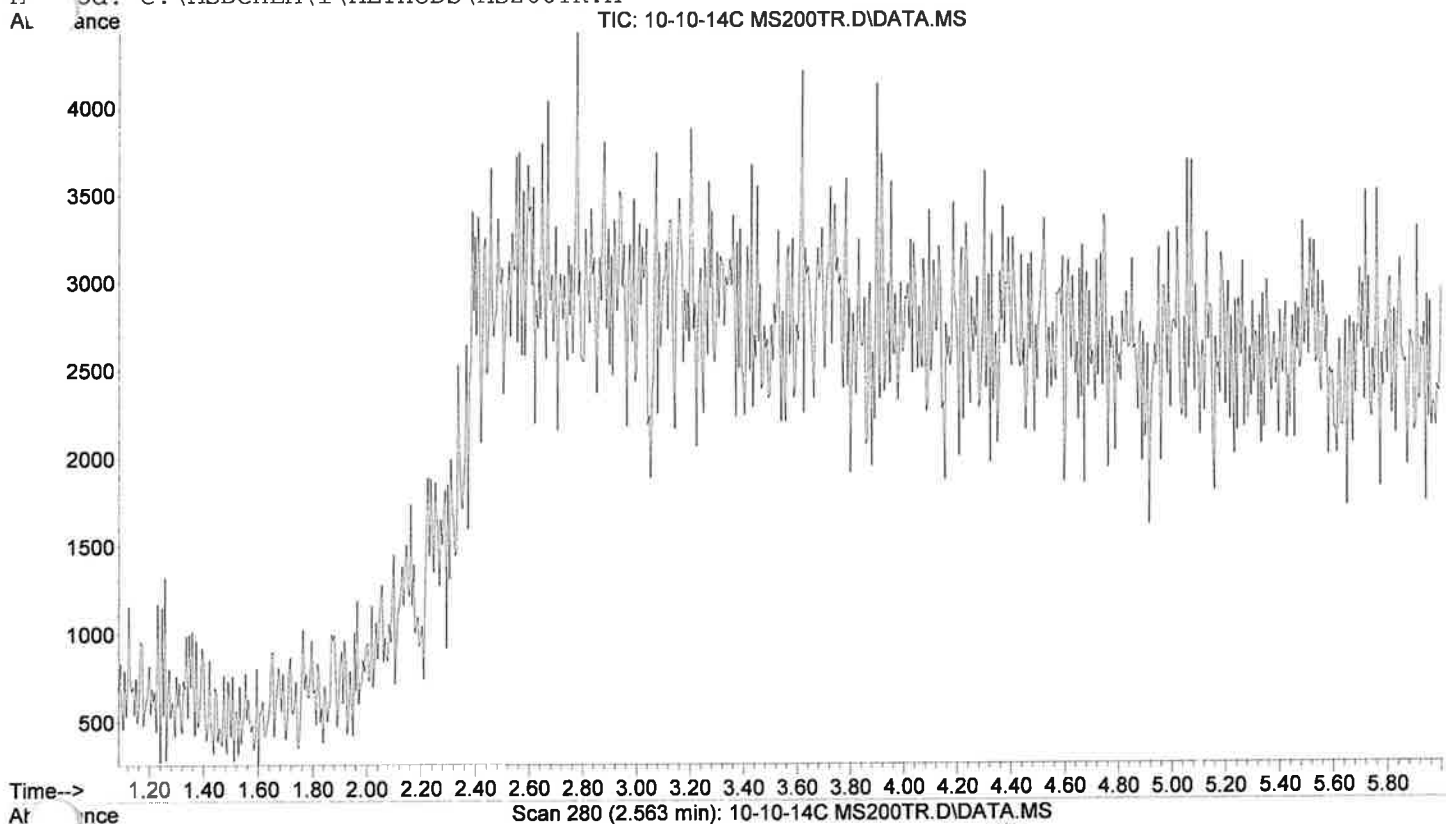
Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 'C Split Ratio: 100:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\PCH MIX MS200TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 10 Oct 2014 10:41
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 200-280c for 6 min
Method: C:\MSDCHEM\1\METHODS\MS200TR.M
AL: PCH MIX MS200TR.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 'C Split Ratio: 100:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

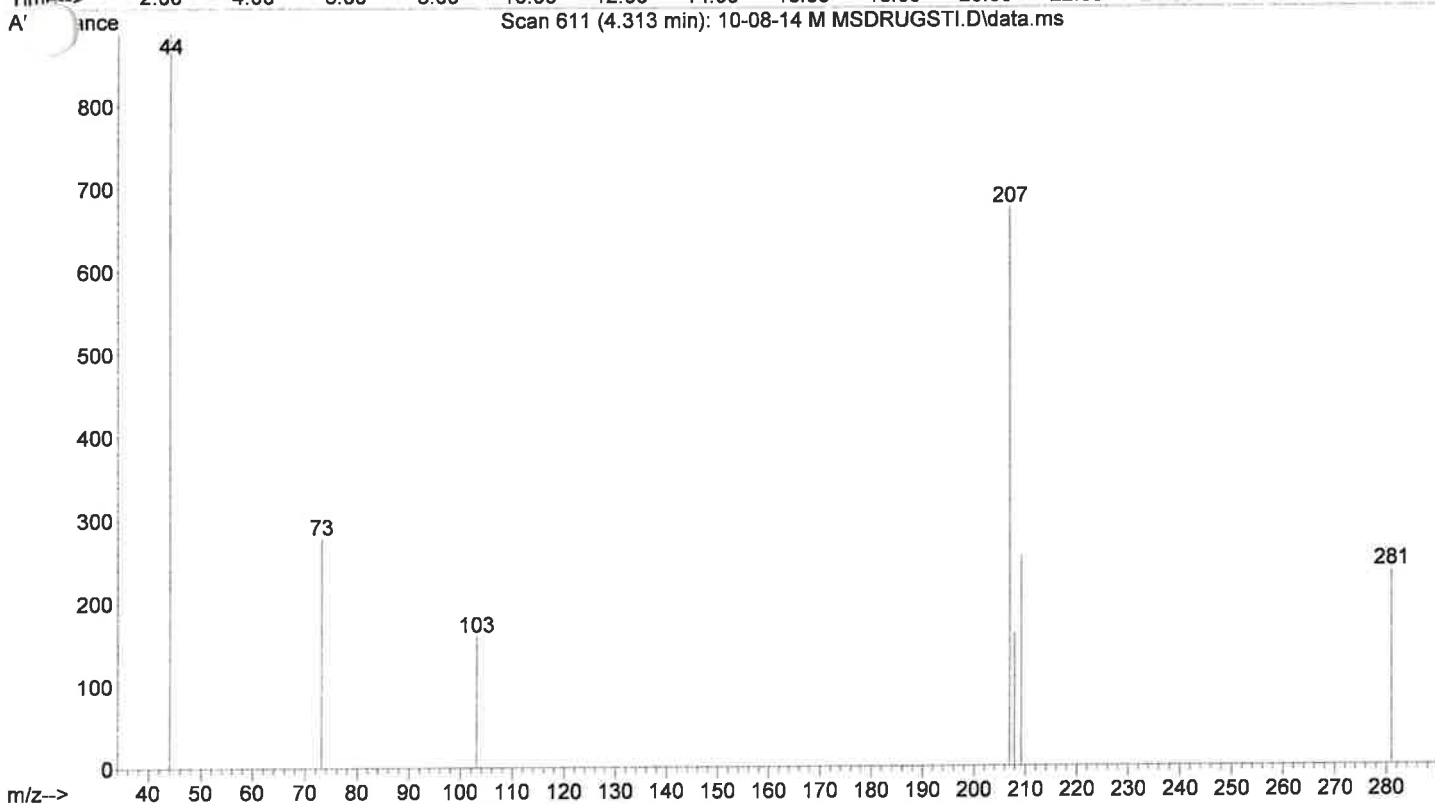
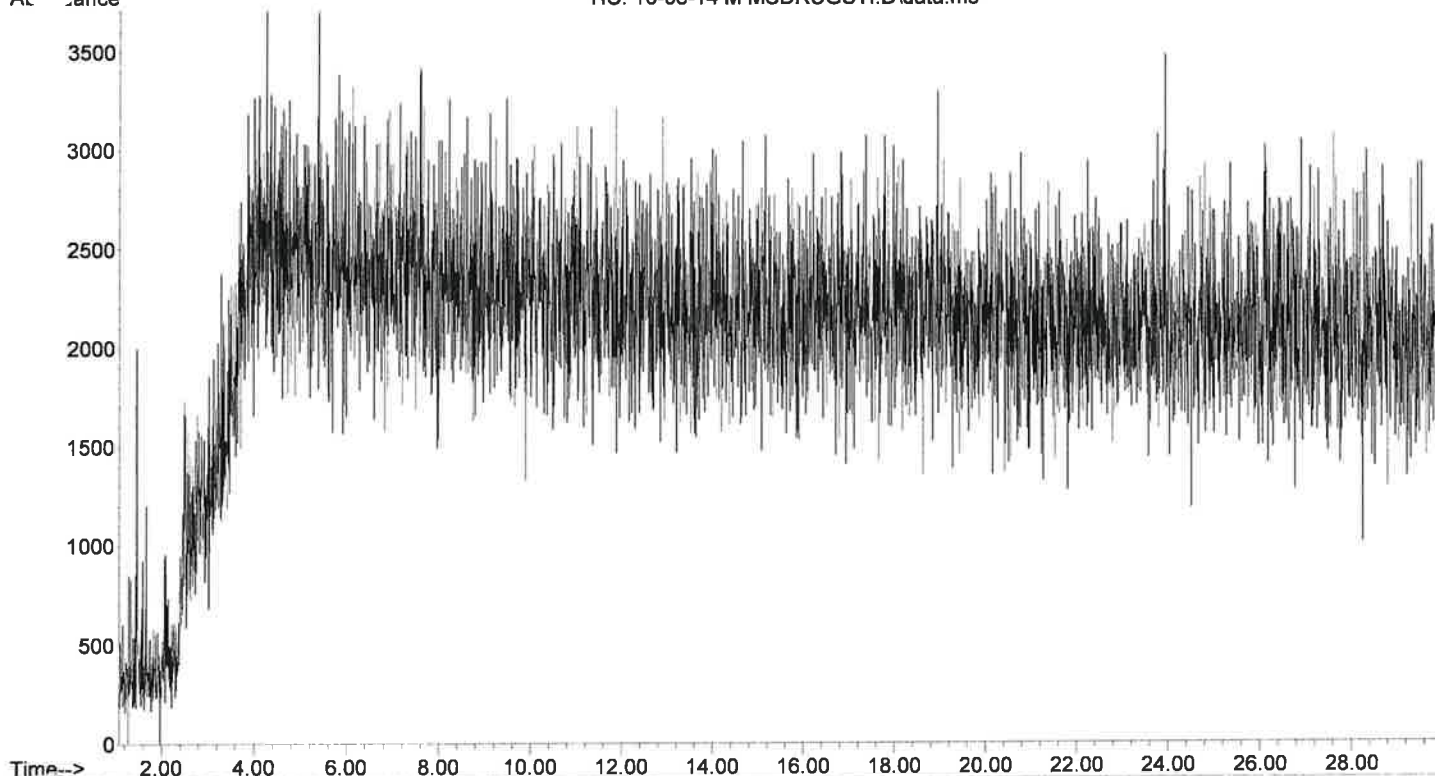
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\10-10-14C MS200TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 10 Oct 2014 10:17
Information: Chloroform Blank Misc. Information: Chloroform 200-280c for 6 min
Method: C:\MSDCHEM\1\METHODS\MS200TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 'C Split Ratio: 100:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

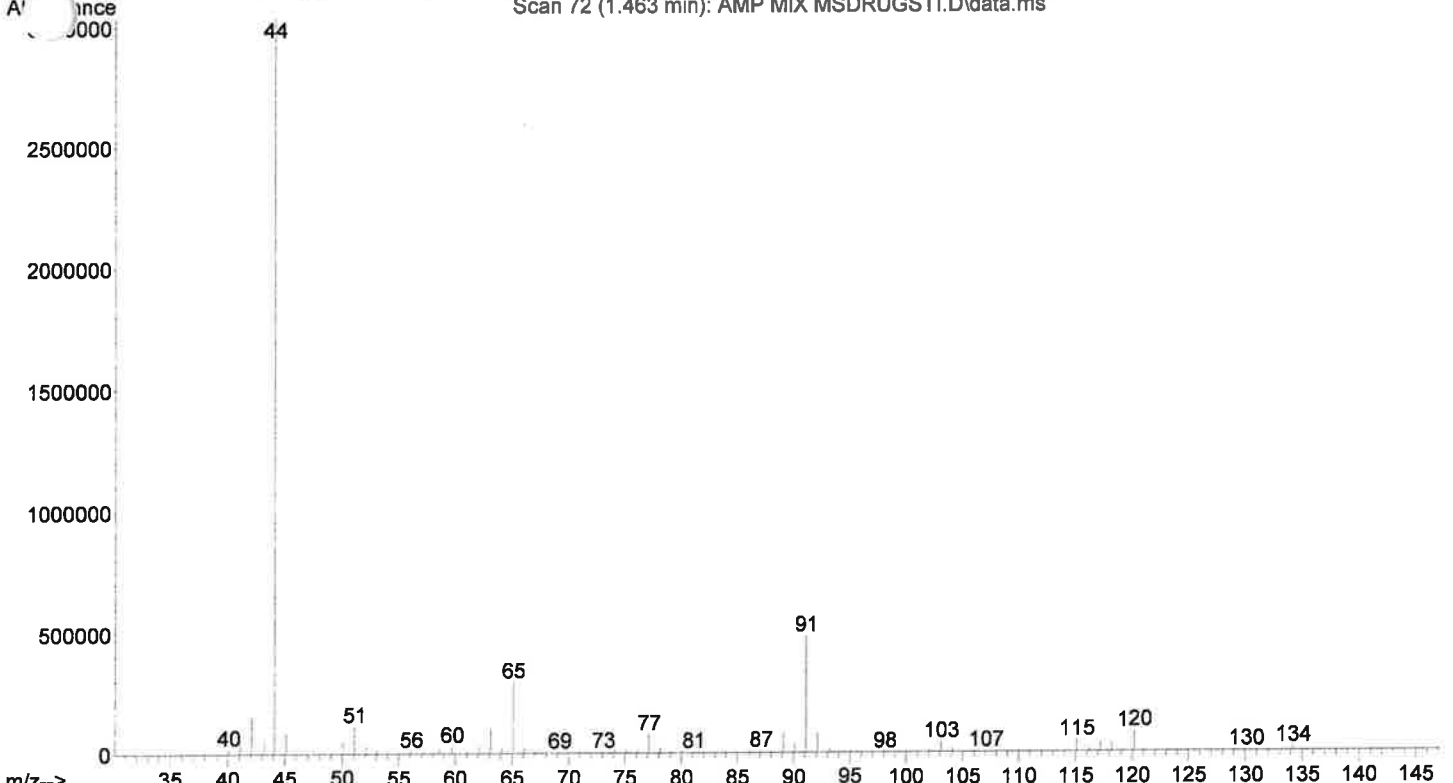
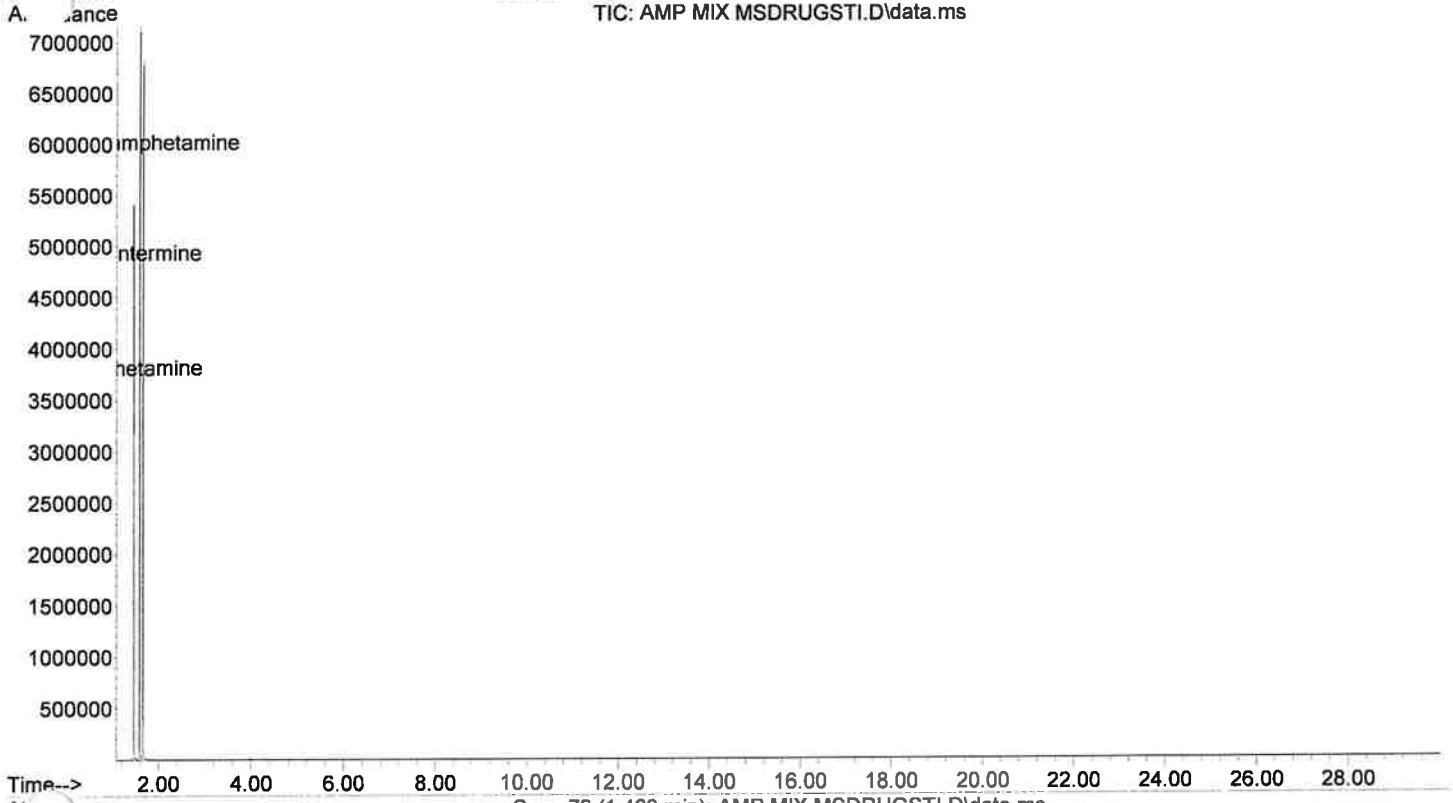
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\10-08-14 M MSDRUGSTI.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 8:32
Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 30 min
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M
Scan 611 (4.313 min): 10-08-14 M MSDRUGSTI.D\data.ms

MSDRUGSTI



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Initial temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
 Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\AMP MIX MSDRUGSTI.D
 Instrument: Espresso (model: 5973N Serial number: US10460425)
 Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
 Acquired by Lela Jackson on 8 Oct 2014 7:59
 Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @70c
 Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
 Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
 Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
 70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\AMP MIX MS DRUGSTI.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

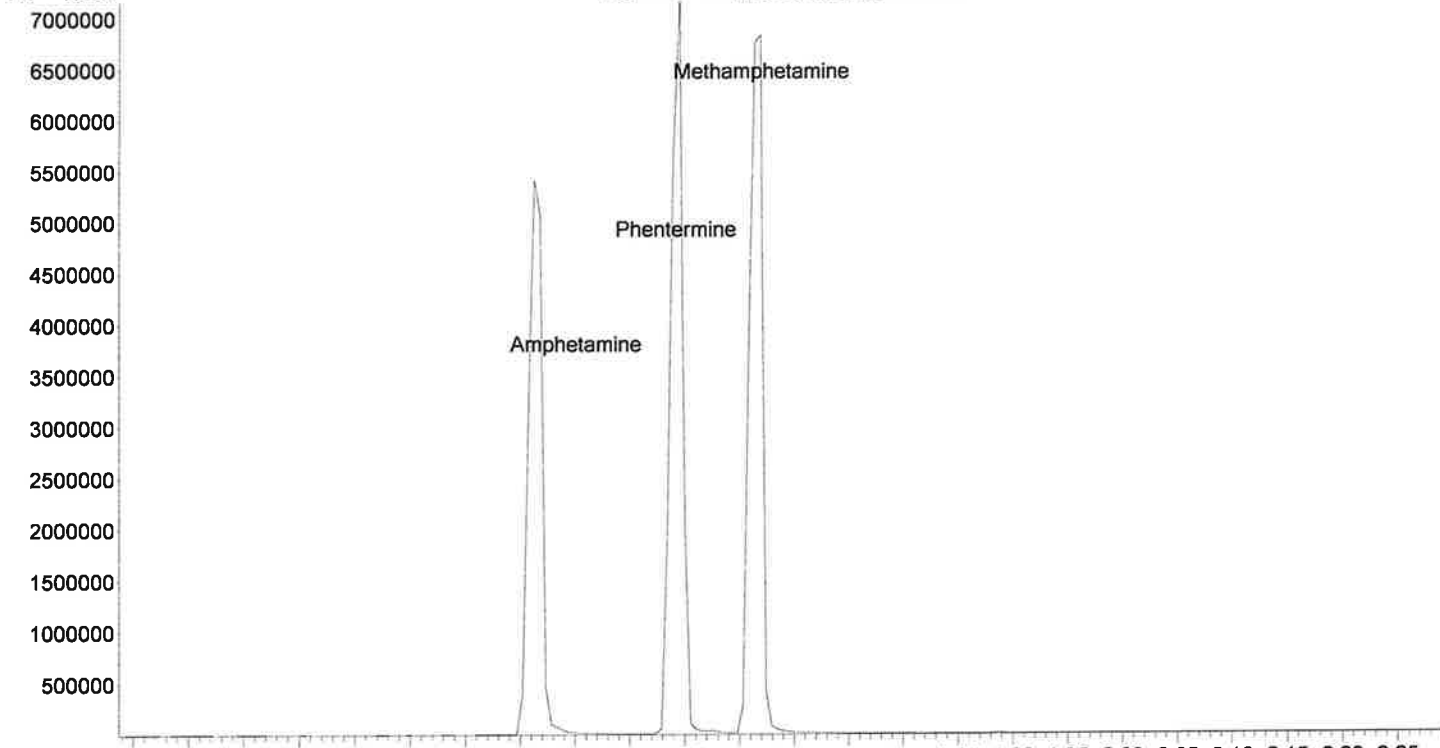
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Acquired by Lela Jackson on 8 Oct 2014 7:59

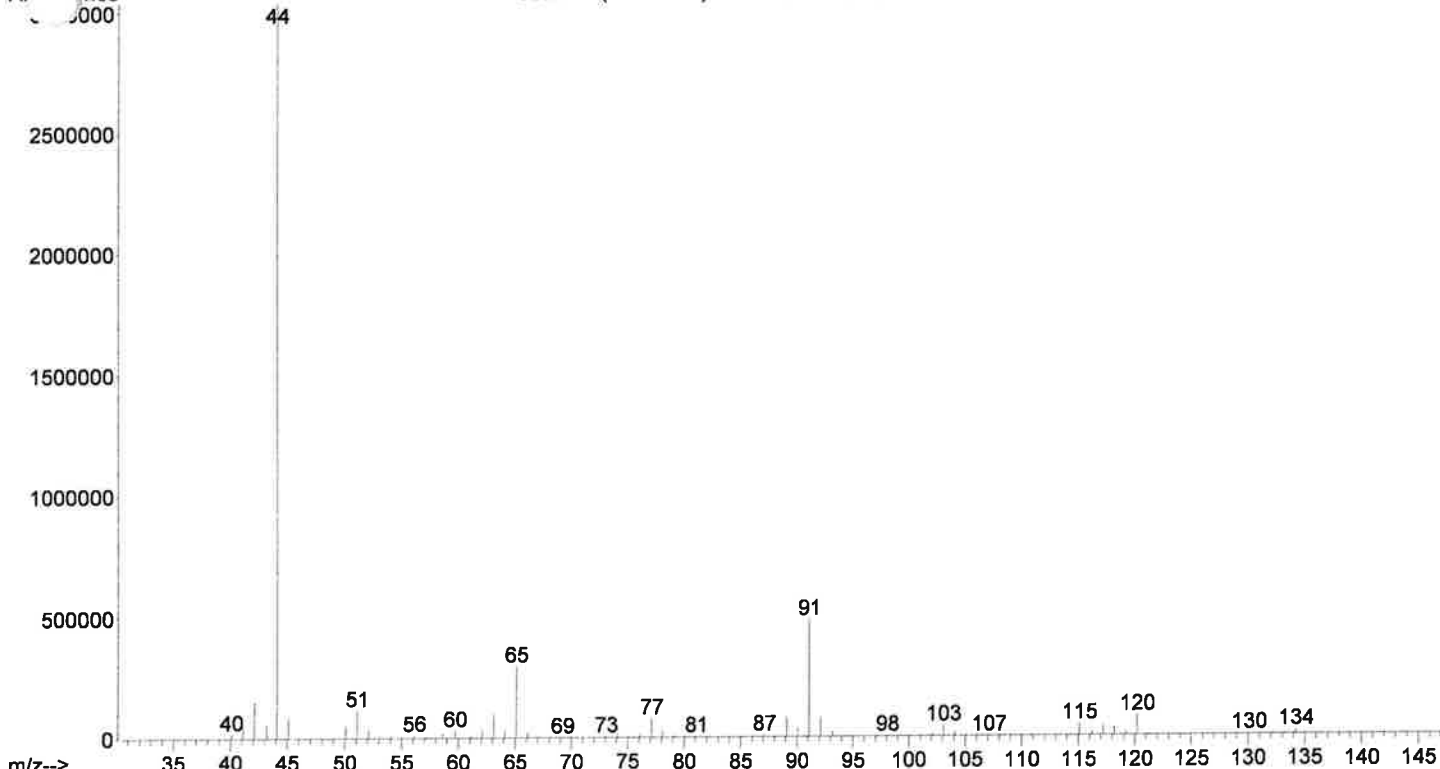
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @70c

Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M

Altance TIC: AMP MIX MS DRUGSTI.D\data.ms

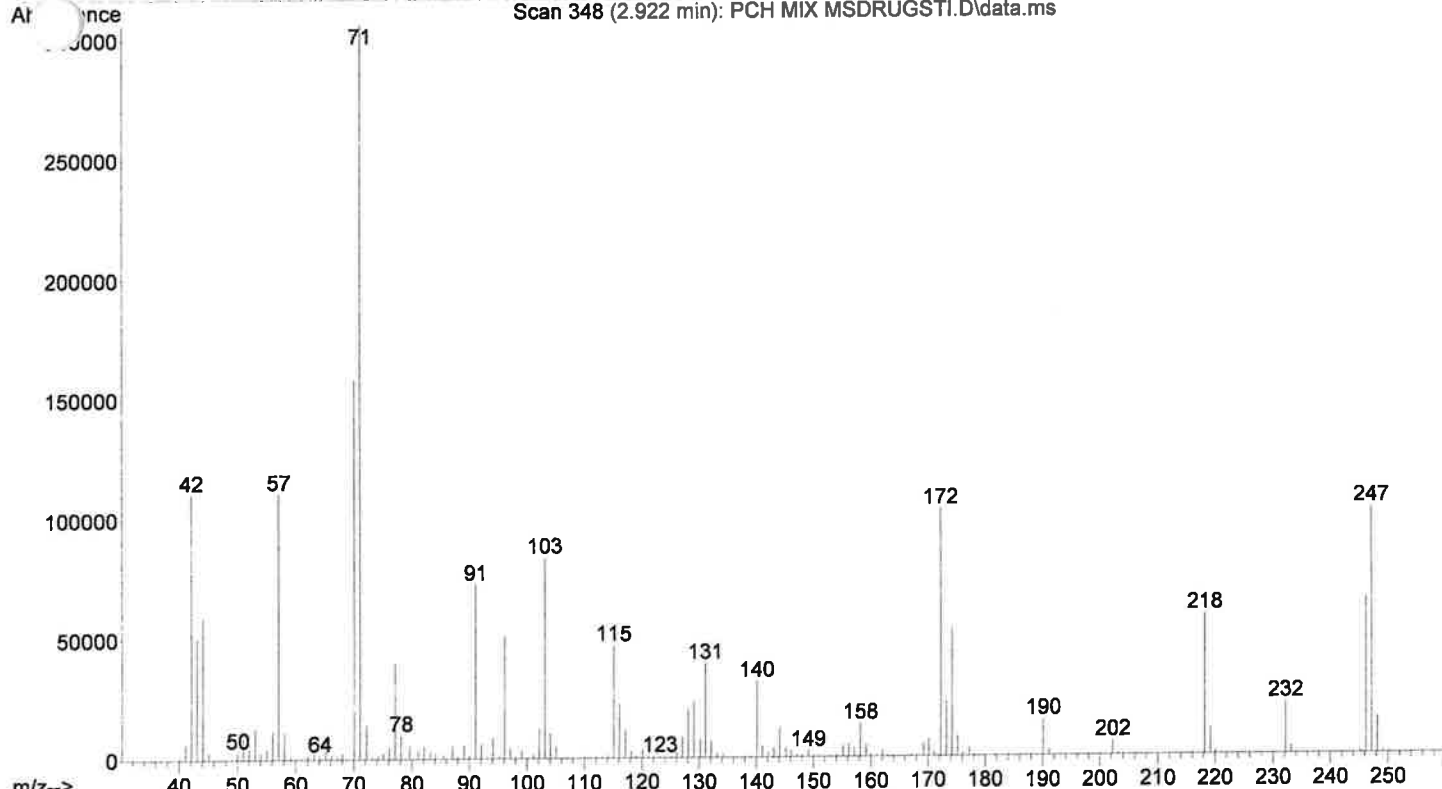
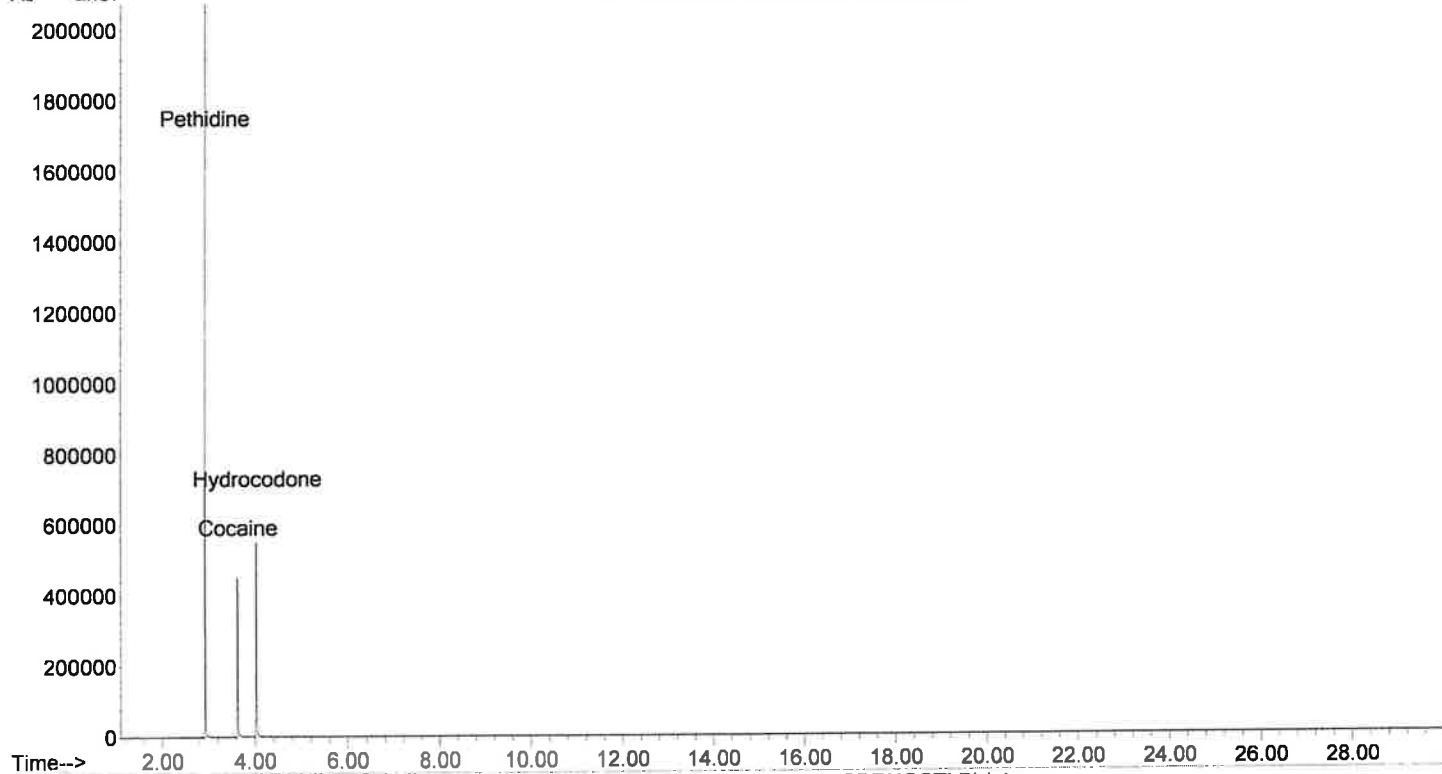


Scan 72 (1.463 min): AMP MIX MS DRUGSTI.D\data.ms



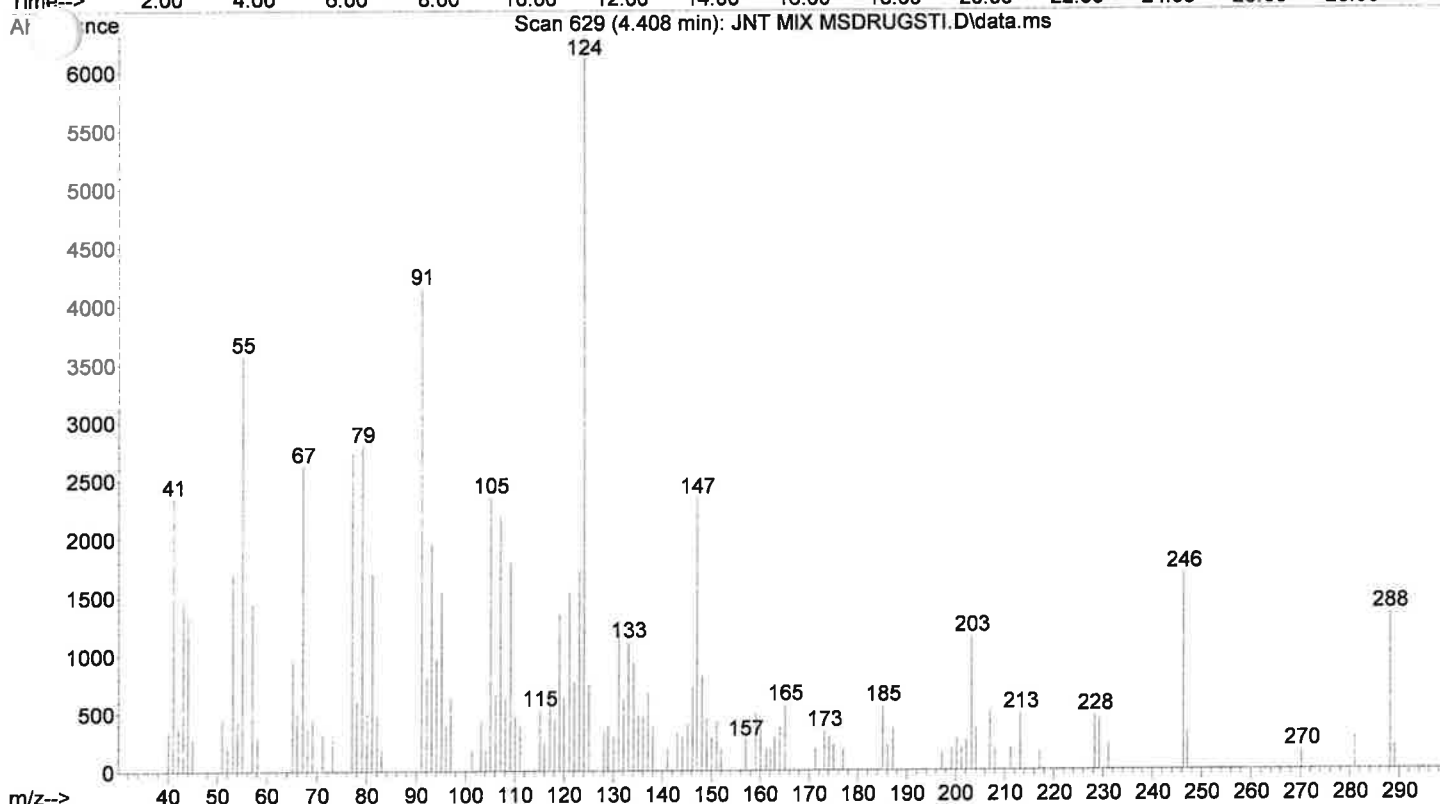
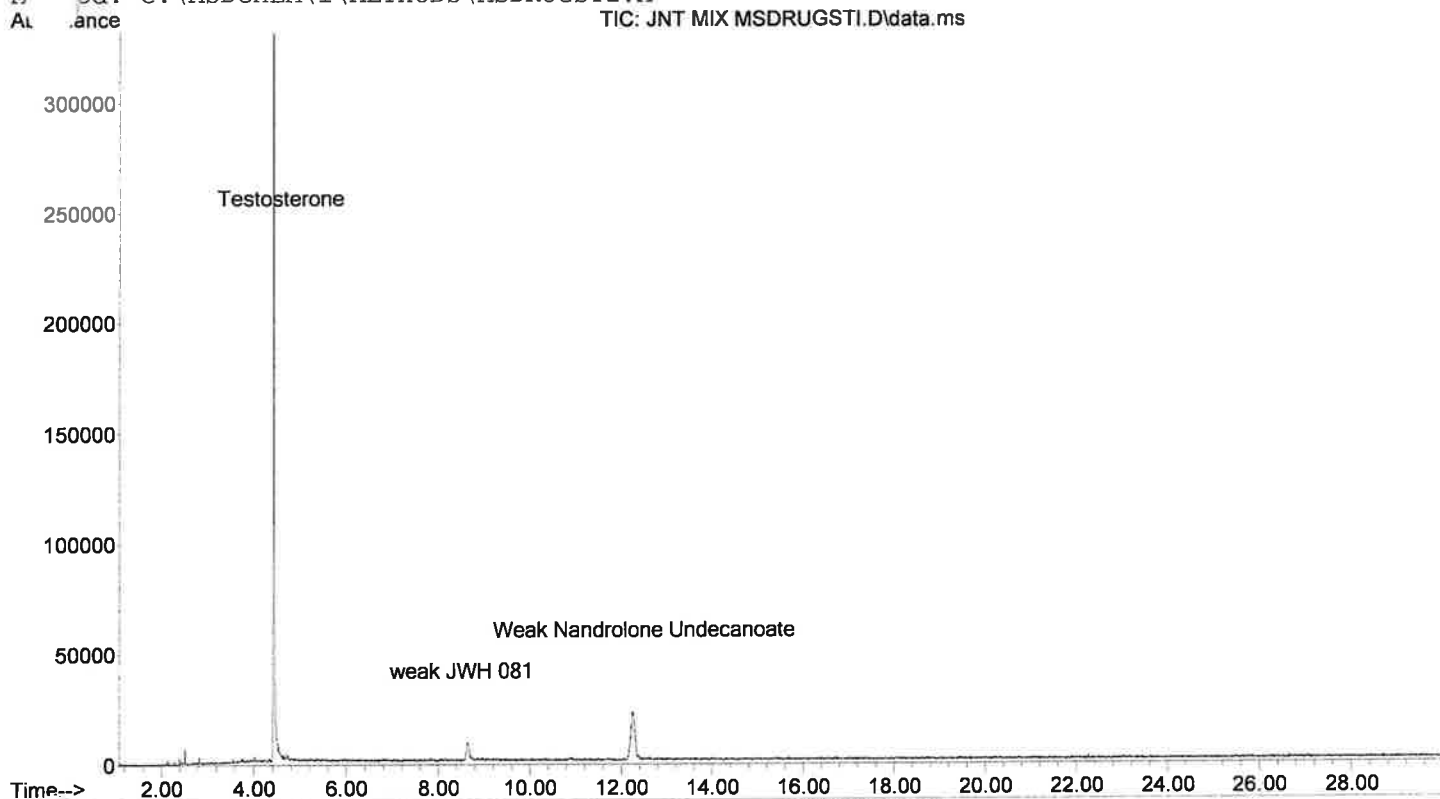
Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Initial temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\PCH MIX MS DRUGSTI.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 9:10
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for 30
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M
Title: PCH MIX MS DRUGSTI.D\data.ms



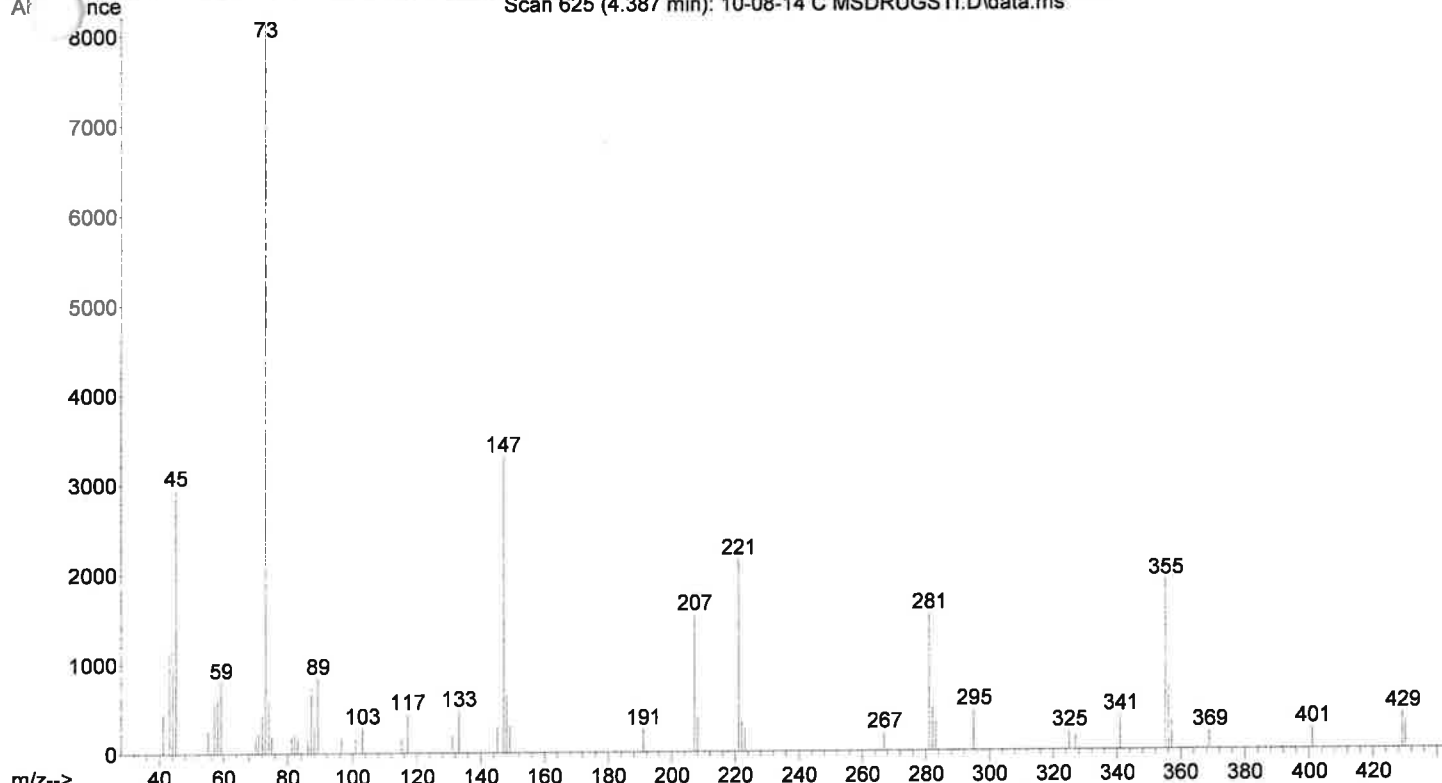
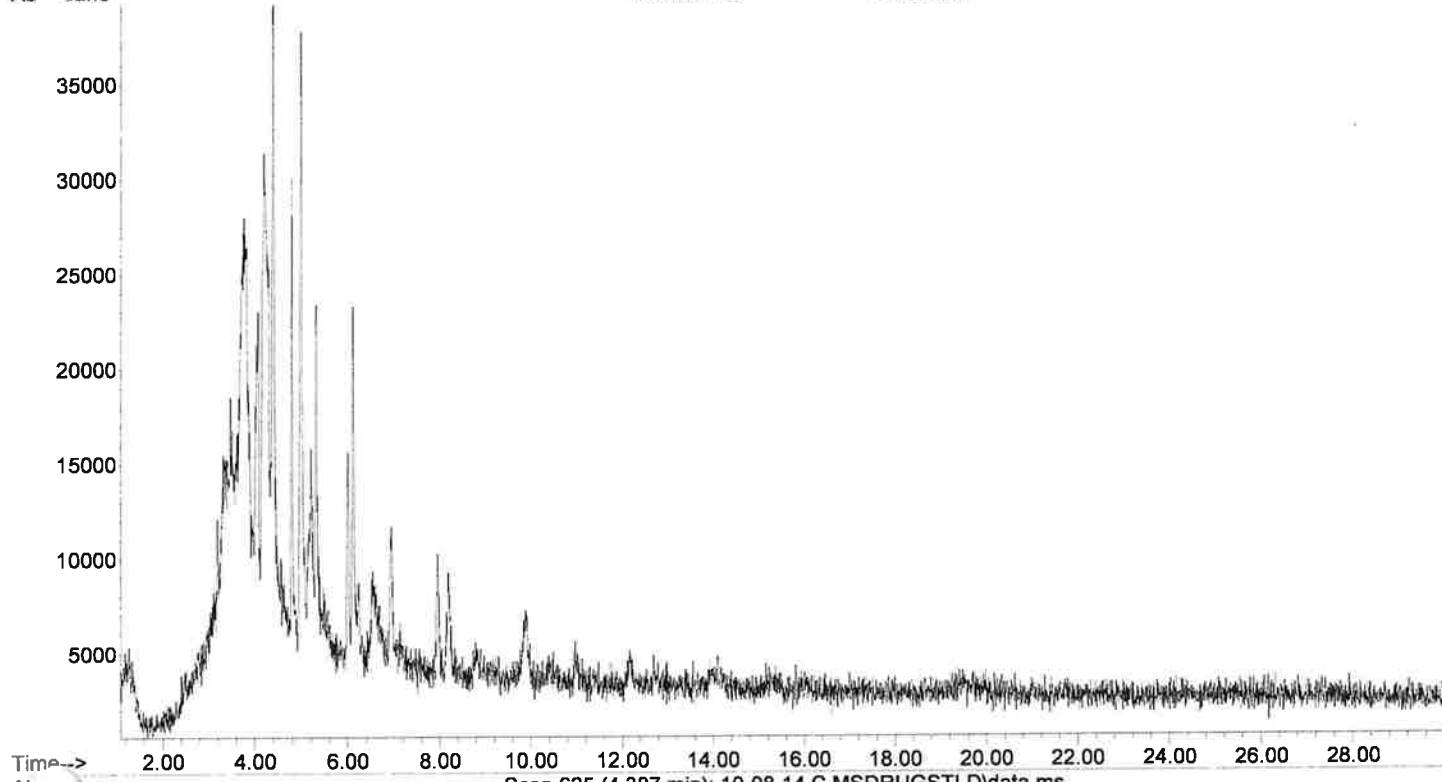
Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\JNT MIX MSDRUGSTI.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 10:46
Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Methanol 100-280c @
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M
TIC: JNT MIX MSDRUGSTI.D\data.ms



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

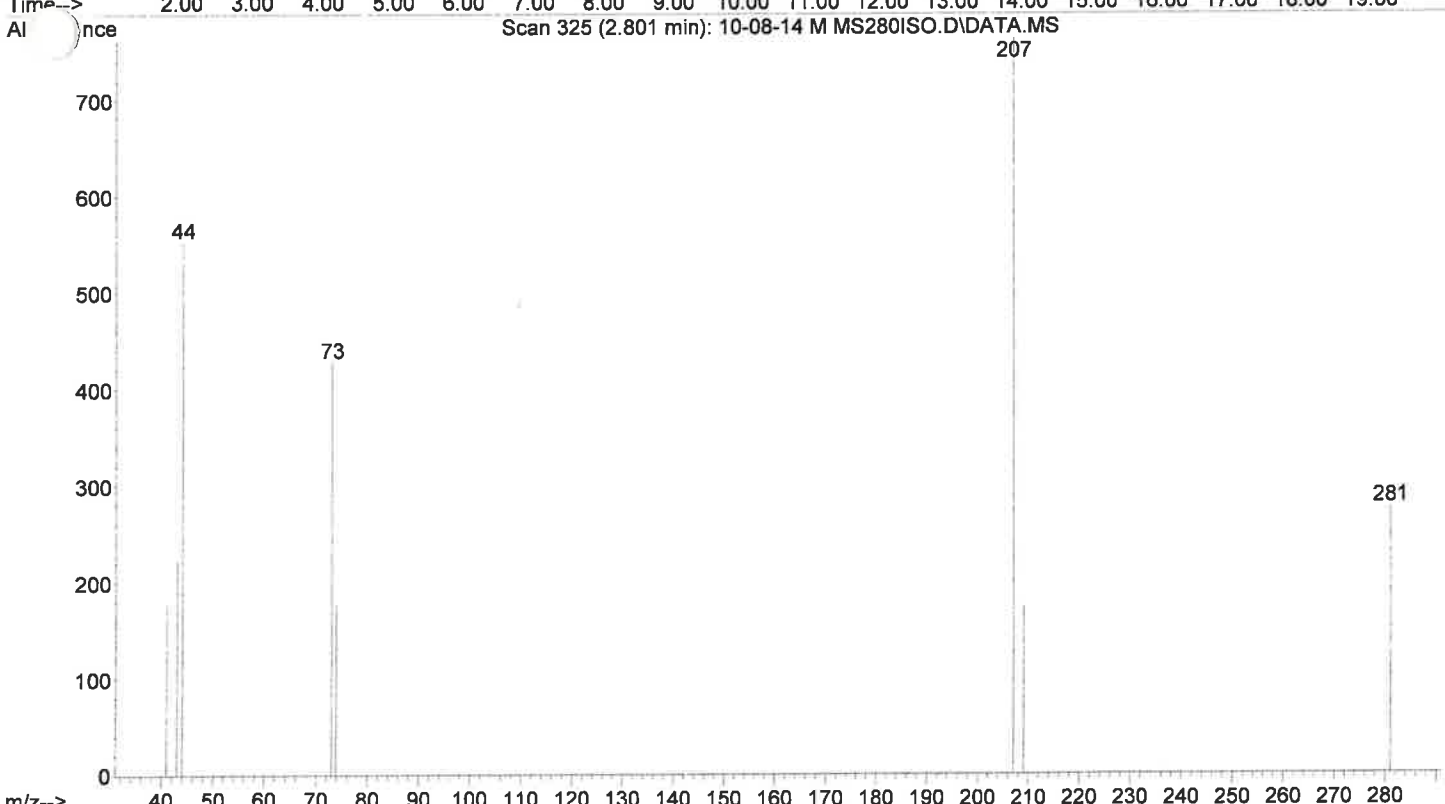
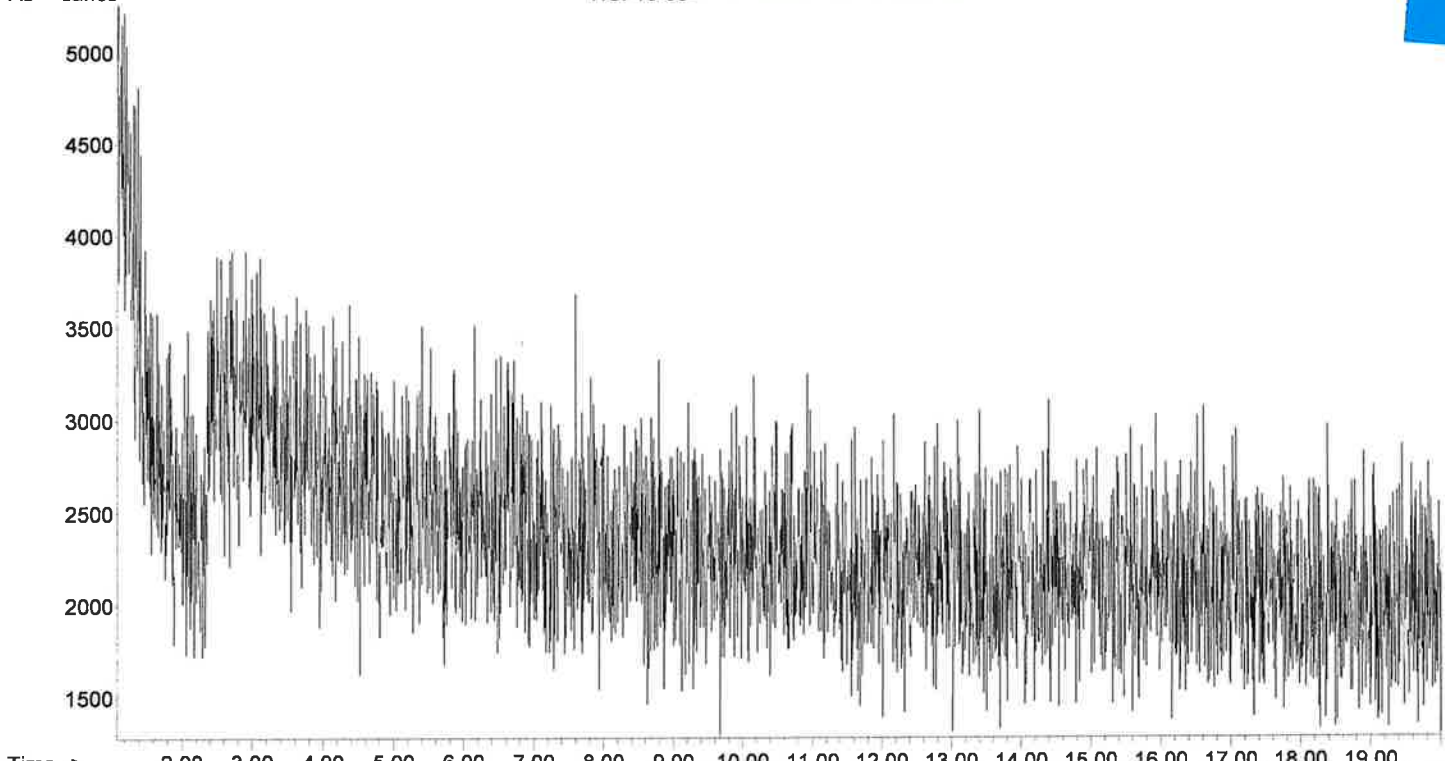
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-08-14 C MSDRUGSTI.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 7:23
Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 30 min
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M
AL: 10-08-14 C MSDRUGSTI.D\data.ms



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

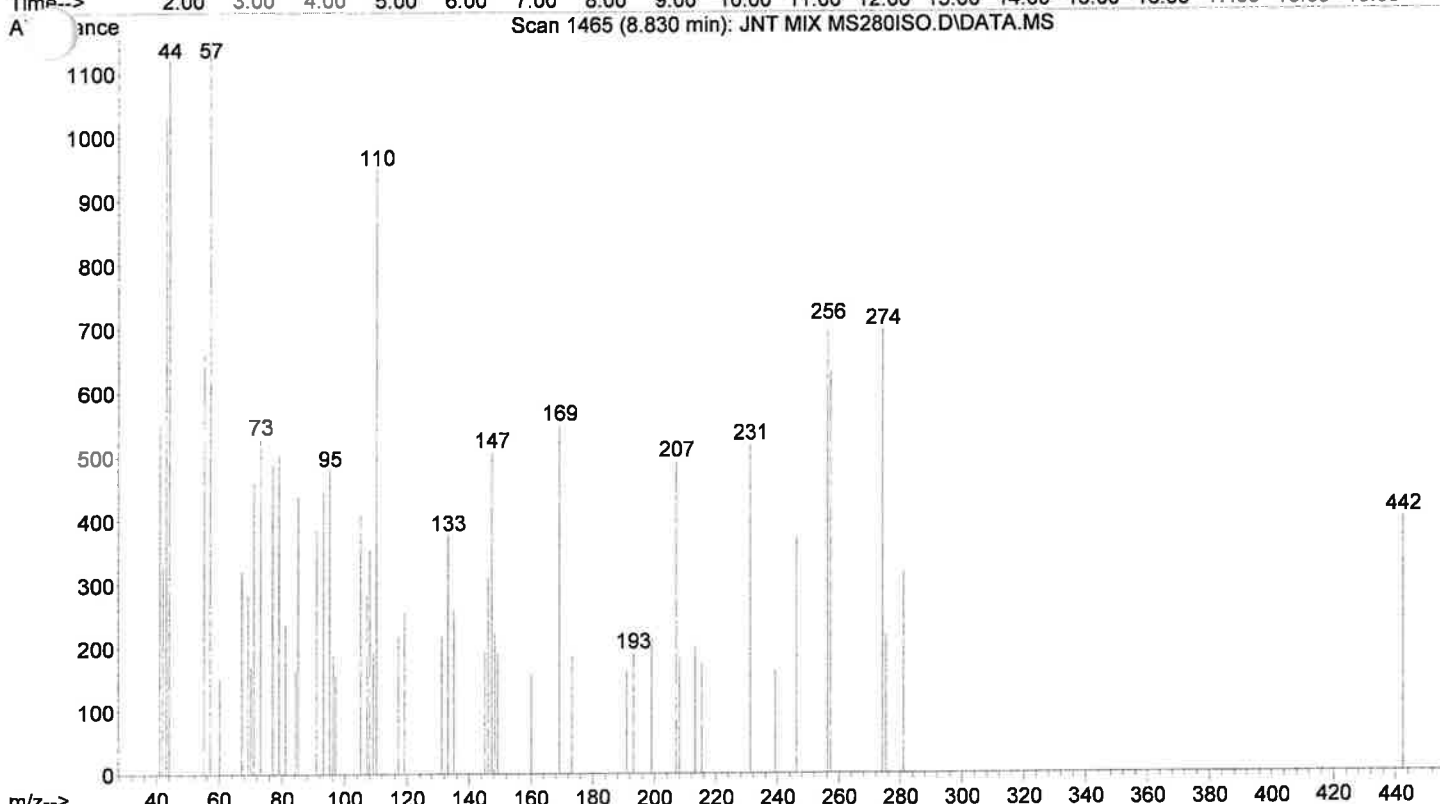
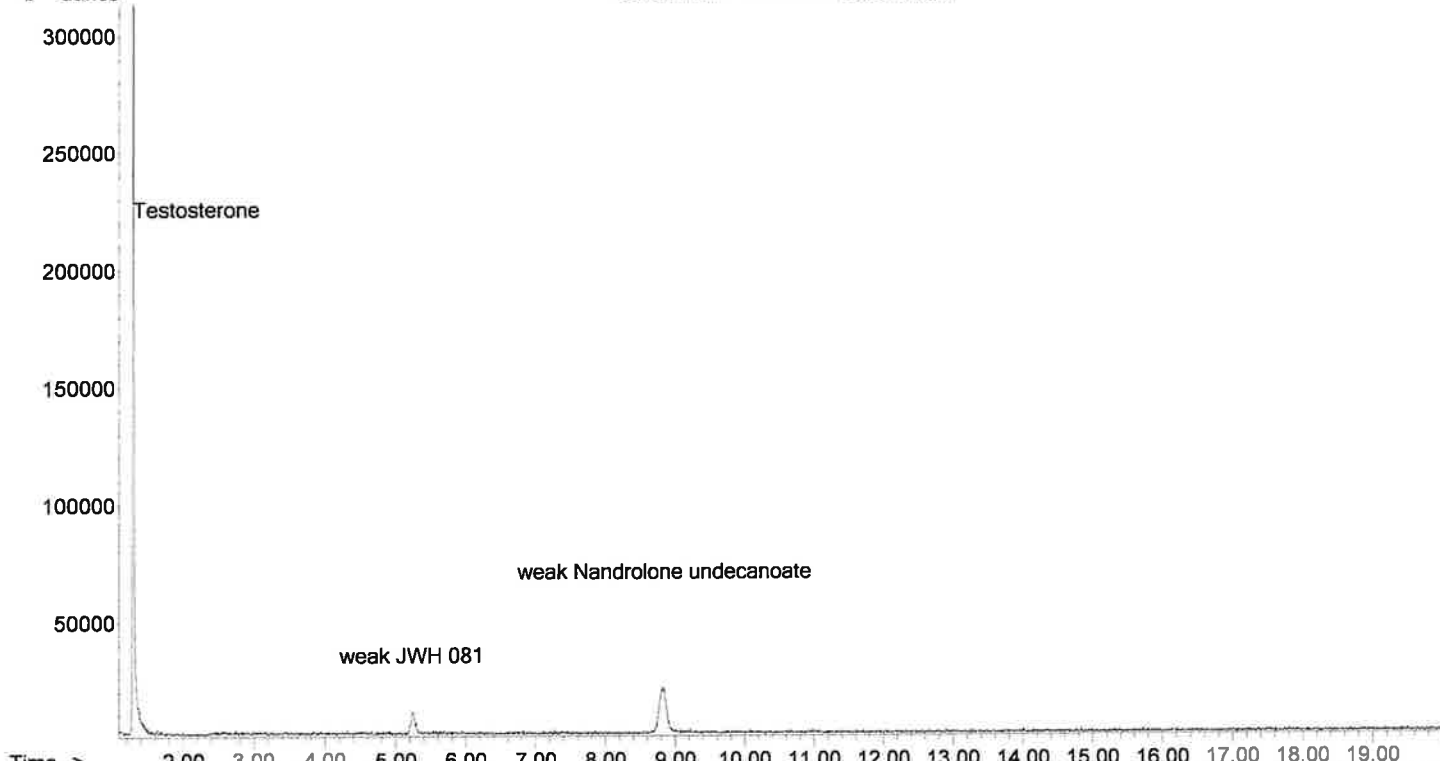
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-08-14 M MS280ISO.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 12:51
Information: Methanol Blank Misc. Information: Methanol 280c for 20 min
Method: C:\MSDCHEM\1\METHODS\MS280ISO.M
AL Tance TIC: 10-08-14 M MS280ISO.D\DATA.MS

MS280ISO



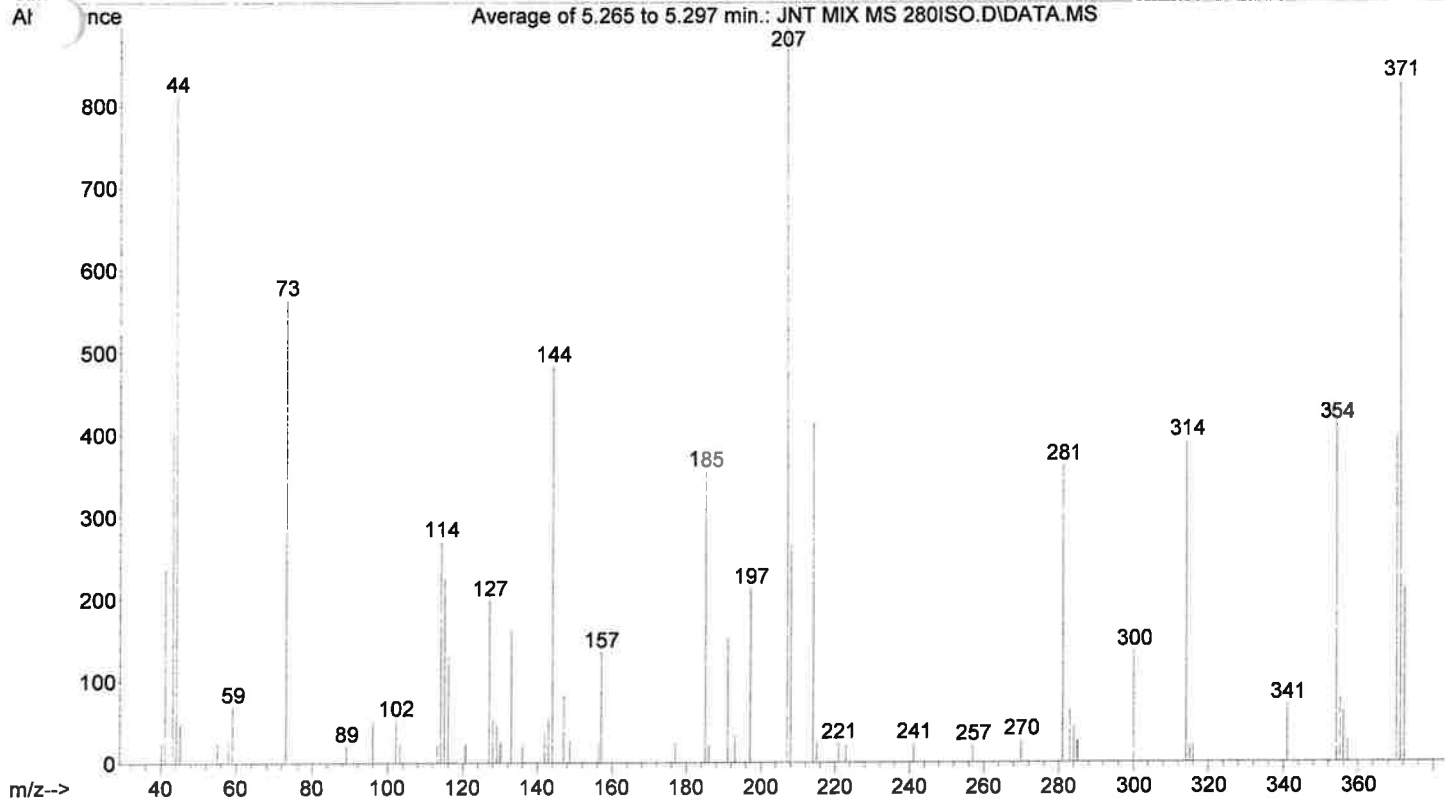
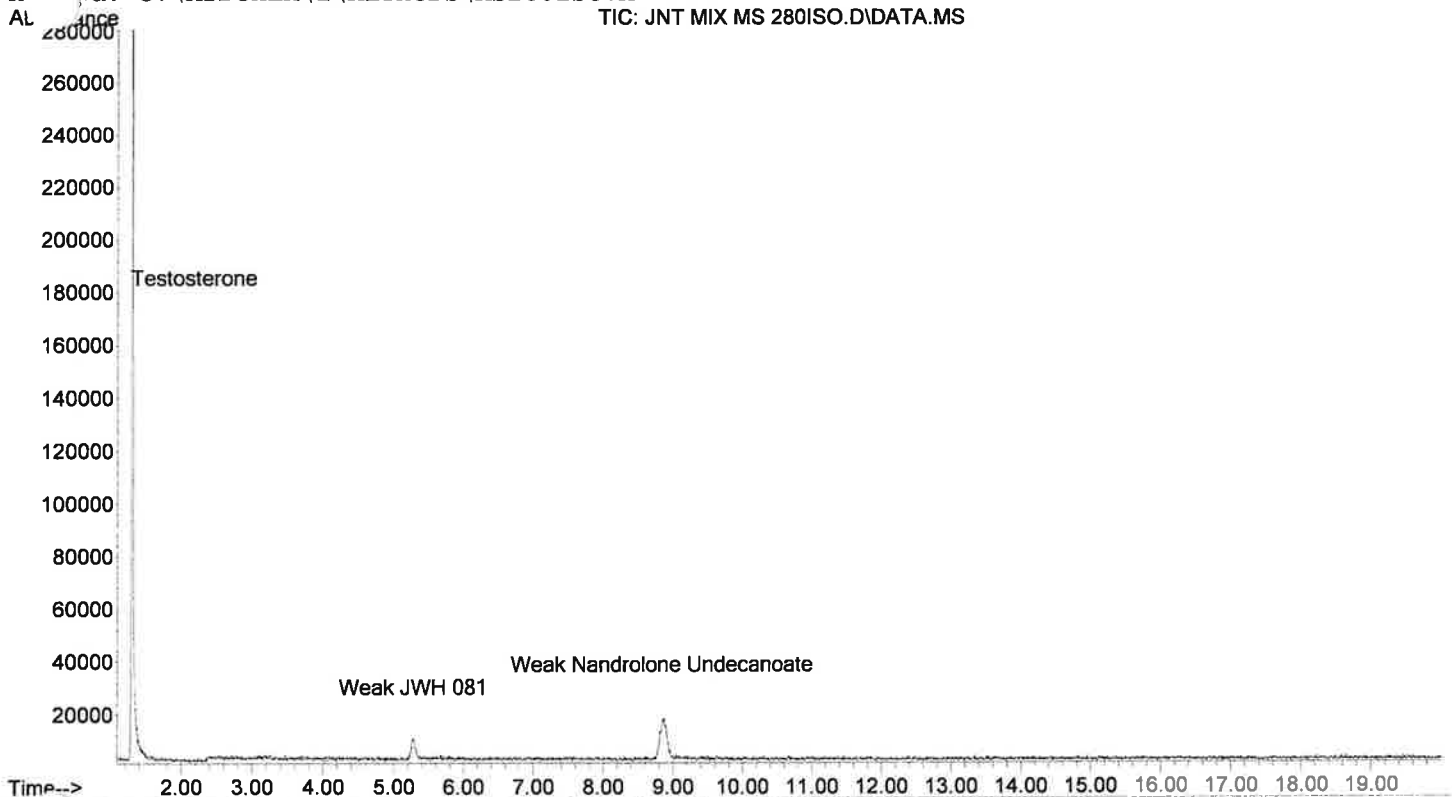
Column: a 12.5 m J&W 19091S-602 Initial pressure: 28.30 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 280 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
 Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\JNT MIX MS280ISO.D
 Instrument: Espresso (model: 5973N Serial number: US10460425)
 Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
 Acquired by Lela Jackson on 8 Oct 2014 13:13
 Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Methanol 280c for 20
 Method: C:\MSDCHEM\1\METHODS\MS280ISO.M
 TIC: JNT MIX MS280ISO.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 28.30 psi
 Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
 Initial oven temp: 280 'C held for 1.00 min Ramp: Rate Final temp
 70.00 280

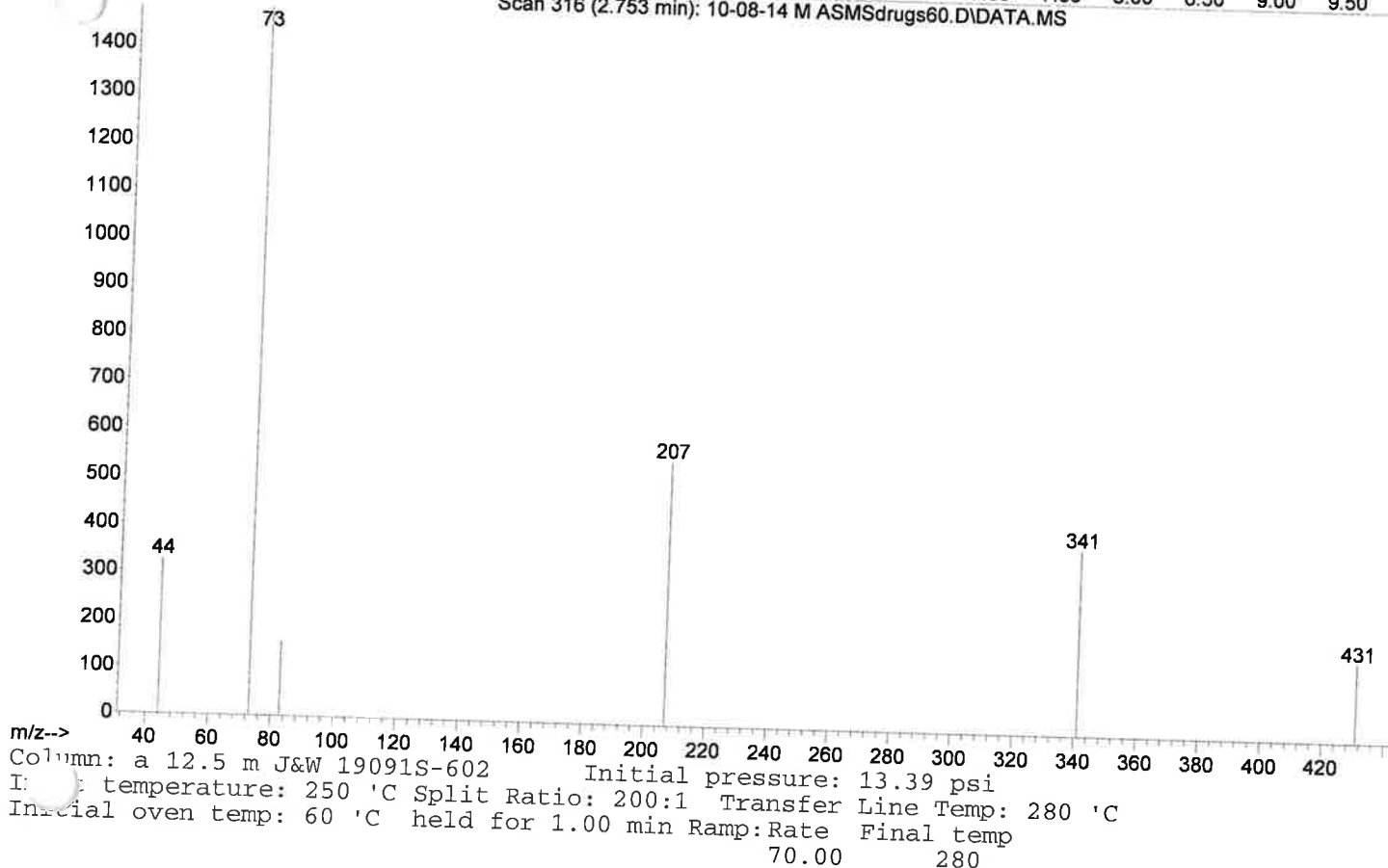
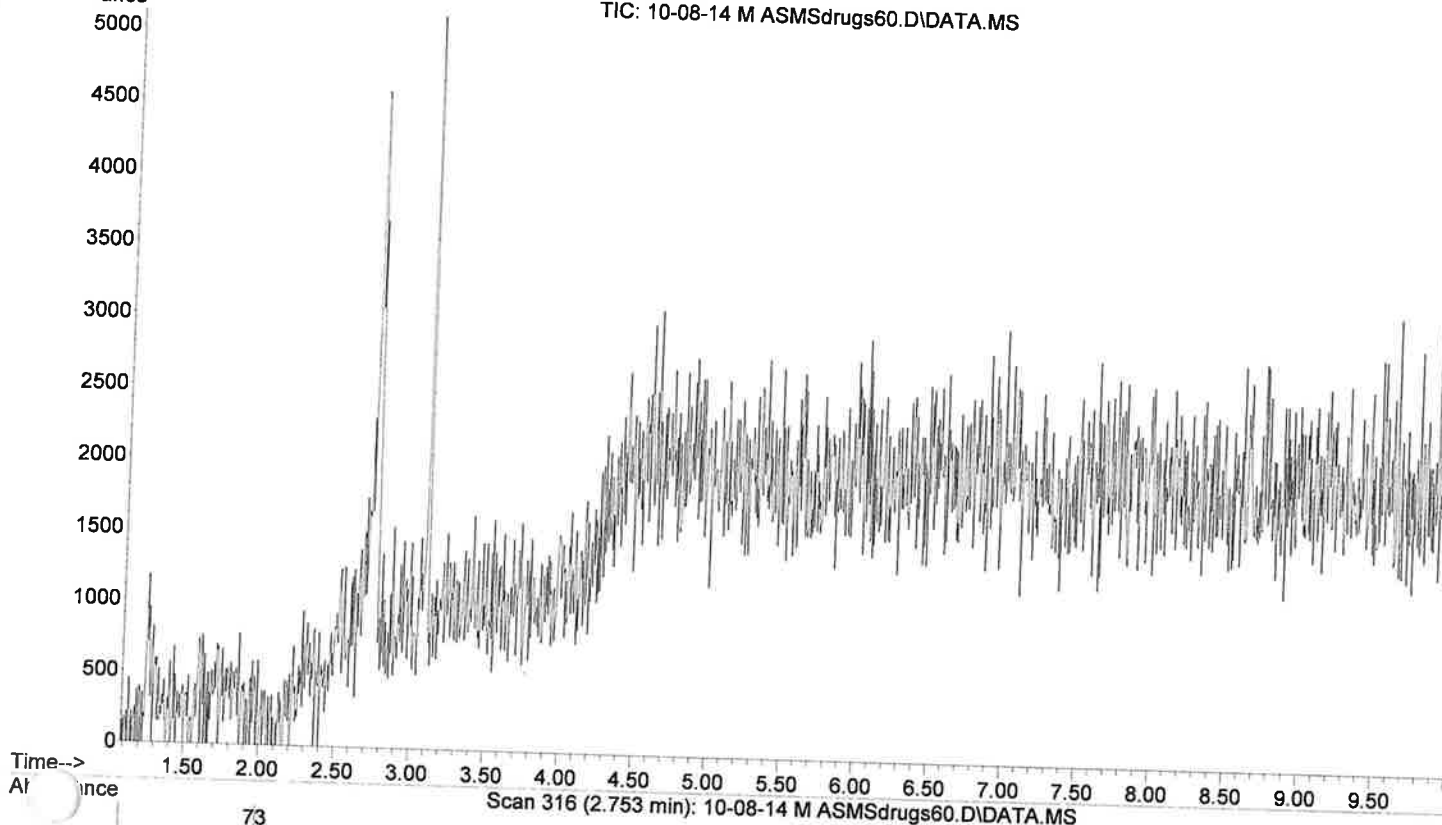
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\JNT MIX MS 280ISO.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 14:08
Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Methanol 280c for 20
Method: C:\MSDCHEM\1\METHODS\MS280ISO.M



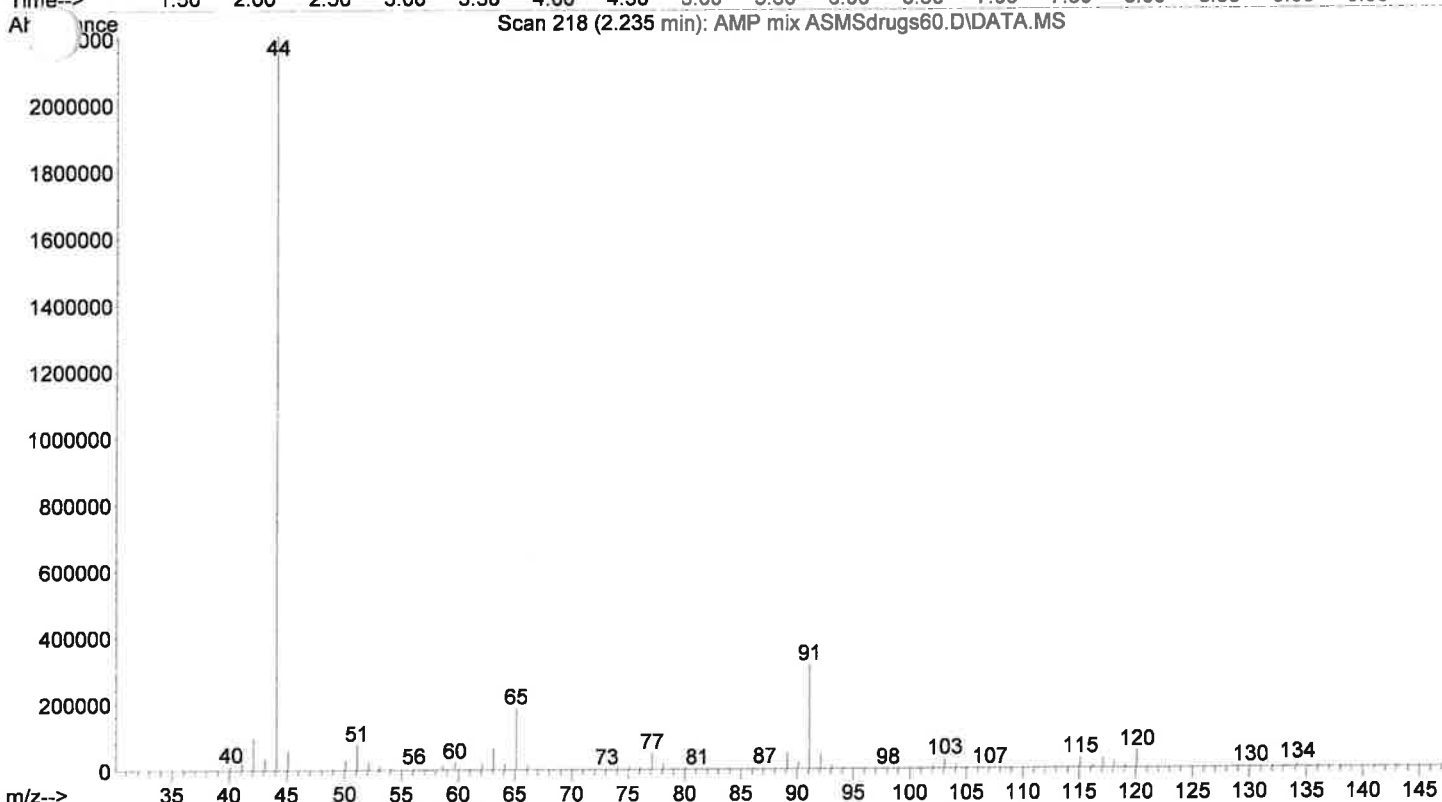
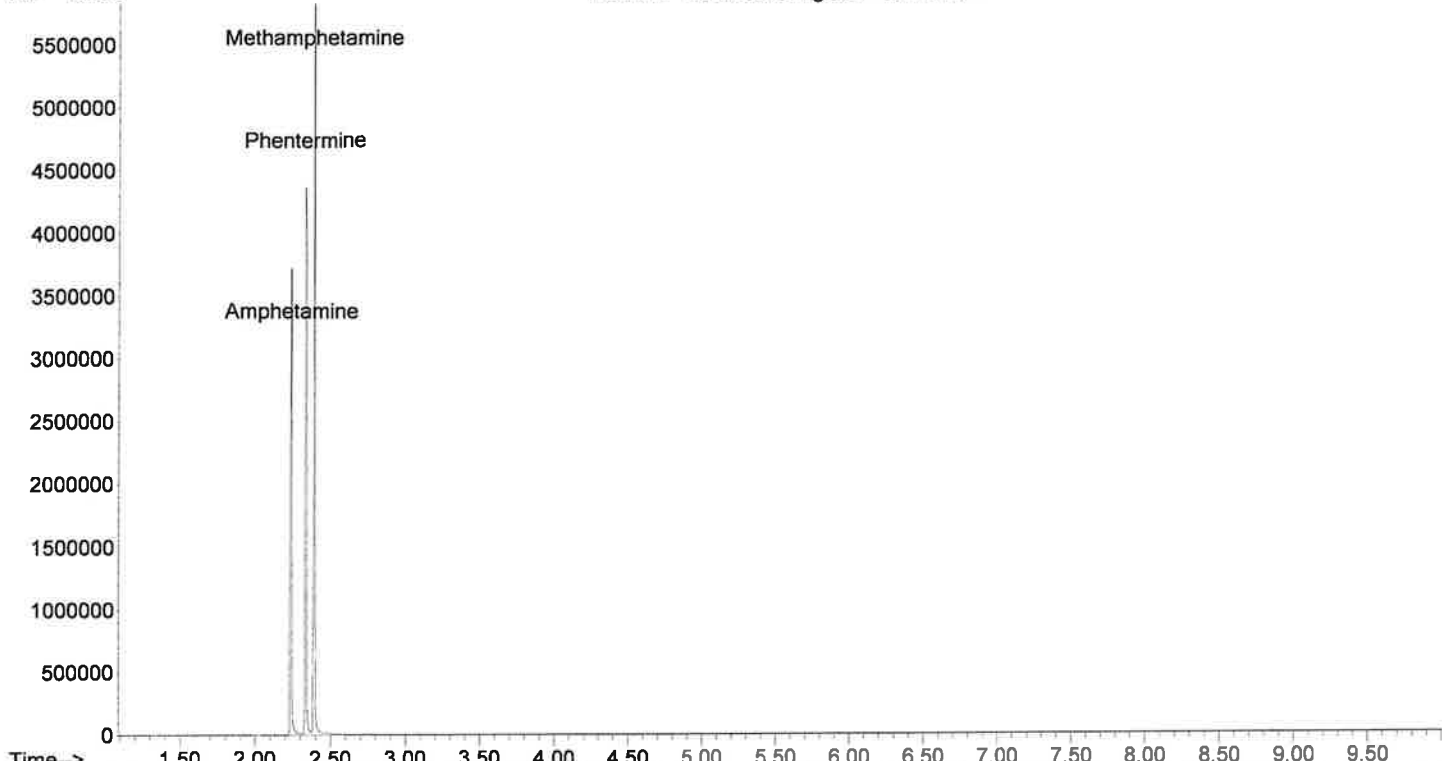
Column: a 12.5 m J&W 19091S-602 Initial pressure: 28.30 psi
Initial temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 280 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\10-08-14 M ASMSdrugs60.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 19:29
Information: Methanol Blank Misc. Information: Methanol 60-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M

TIC: 10-08-14 M ASMSdrugs60.D\DATA.MS

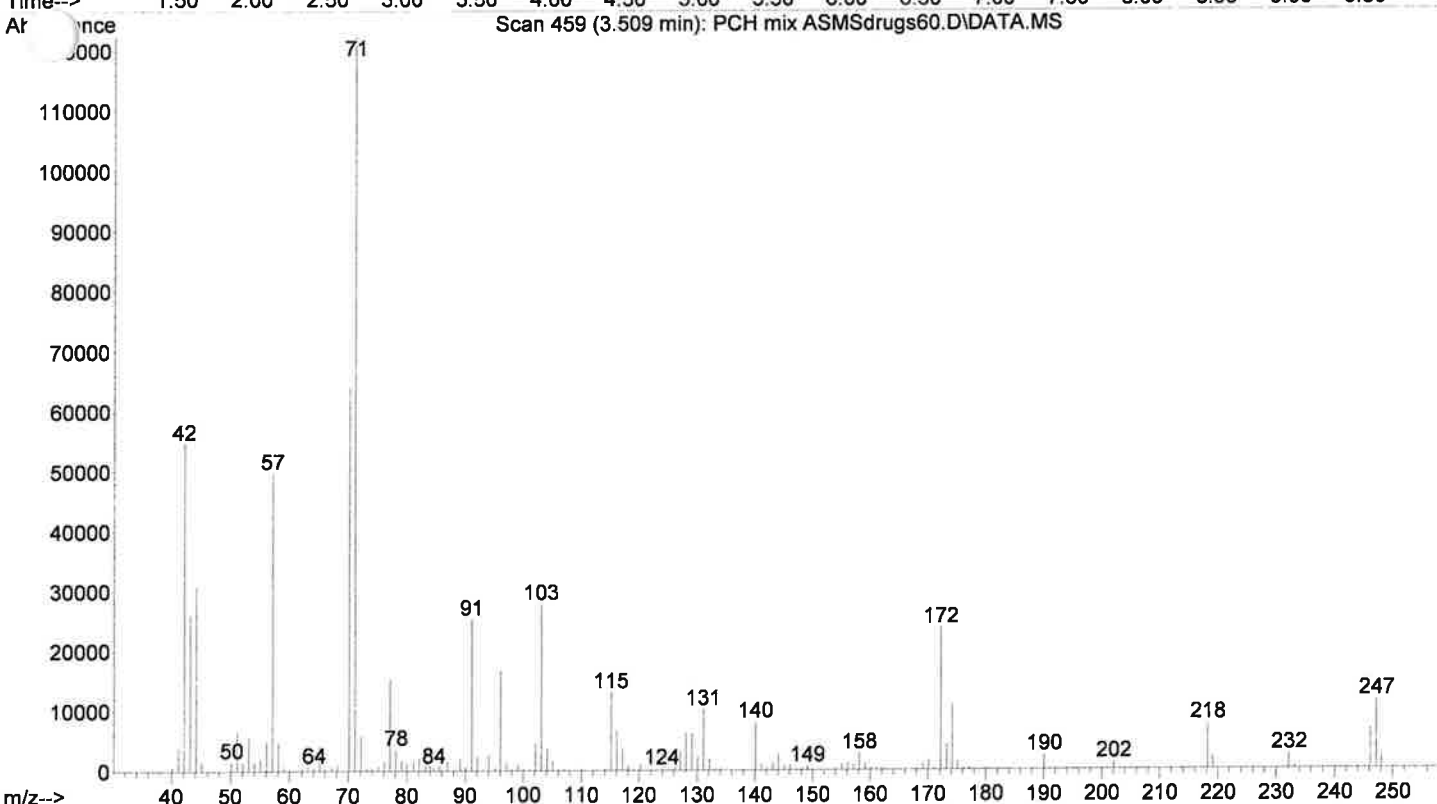
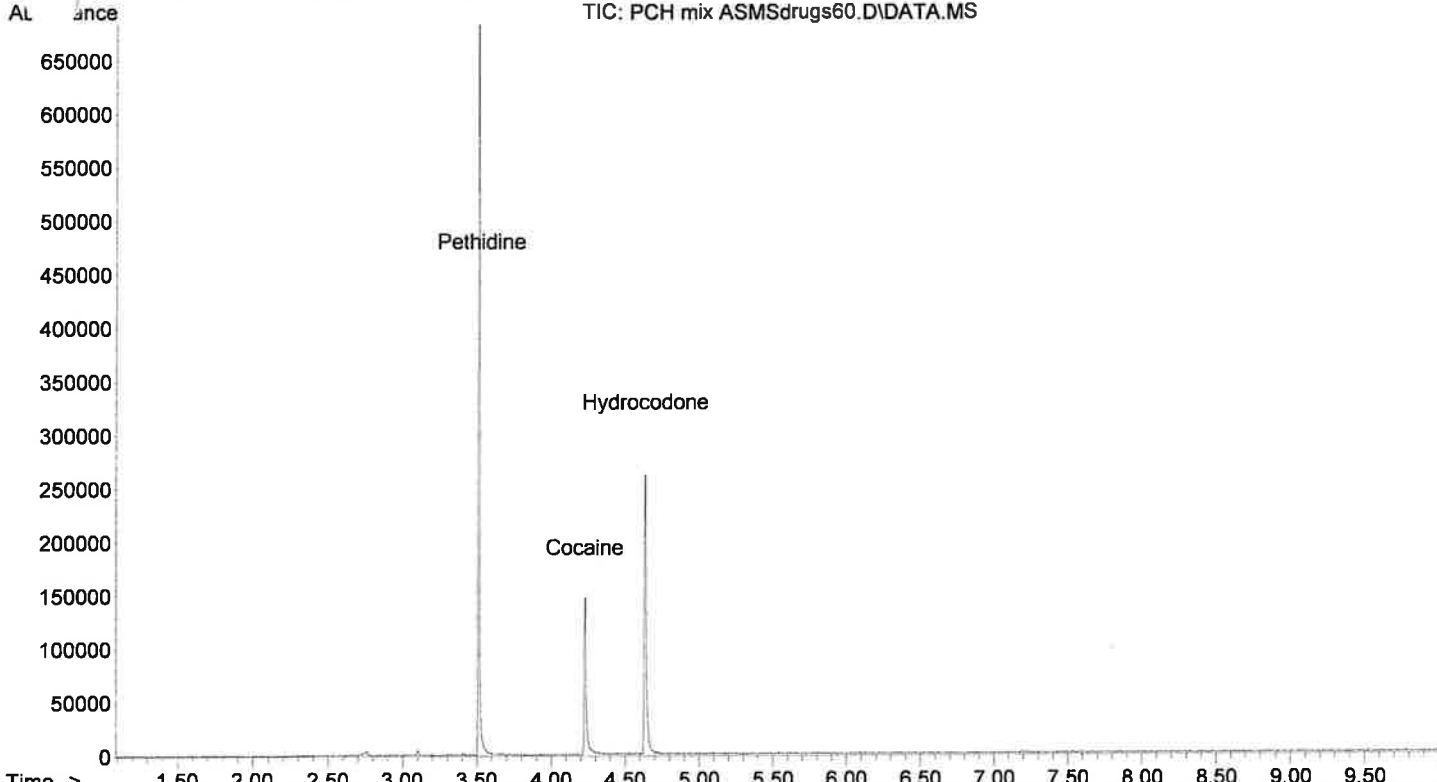


Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\AMP mix ASMSdrugs60.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 19:12
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 60-280c @70c,
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M
TIC: AMP mix ASMSdrugs60.D\DATA.MS



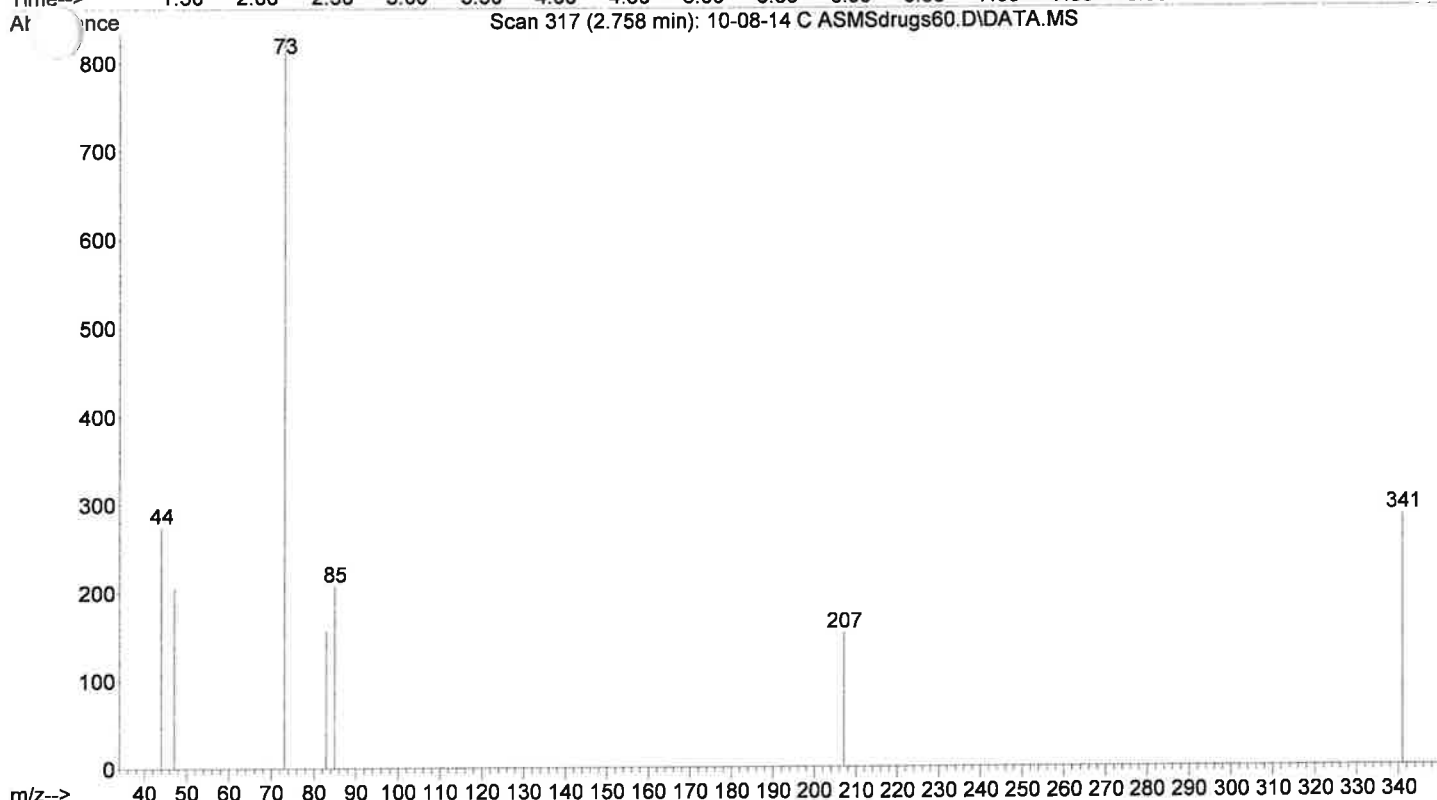
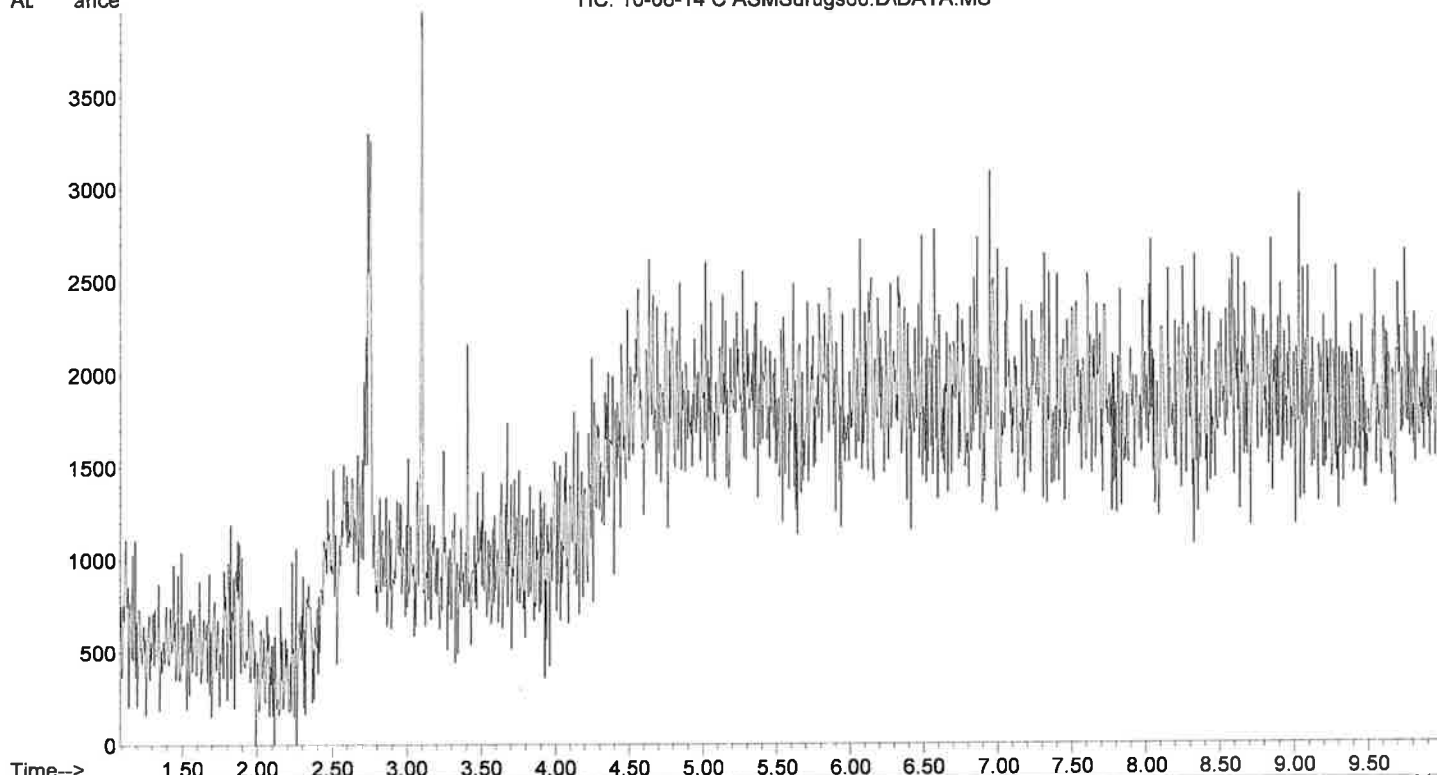
Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.39 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\PCH mix ASMSdrugs60.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 19:47
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 60-280c @70c/min for 10 r
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.39 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

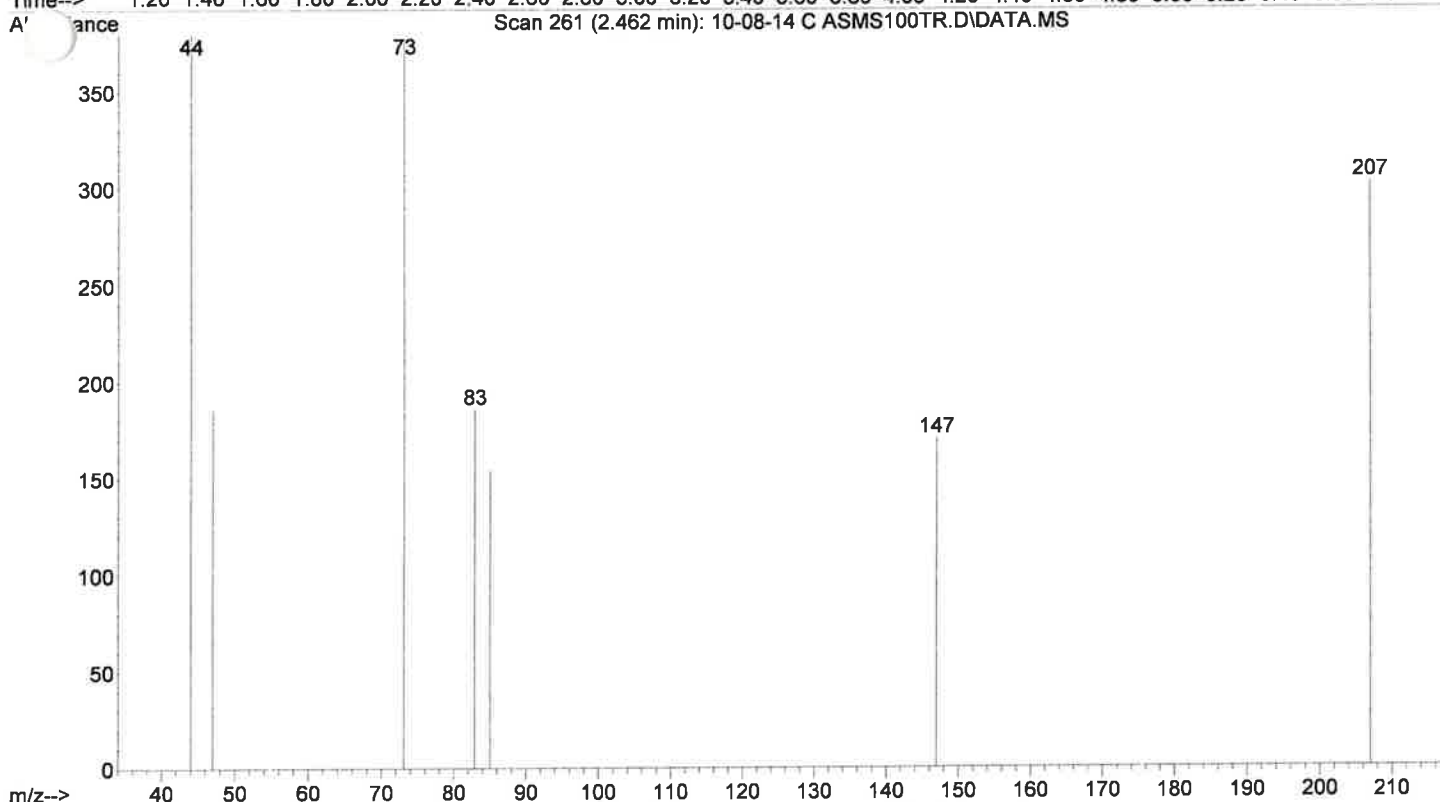
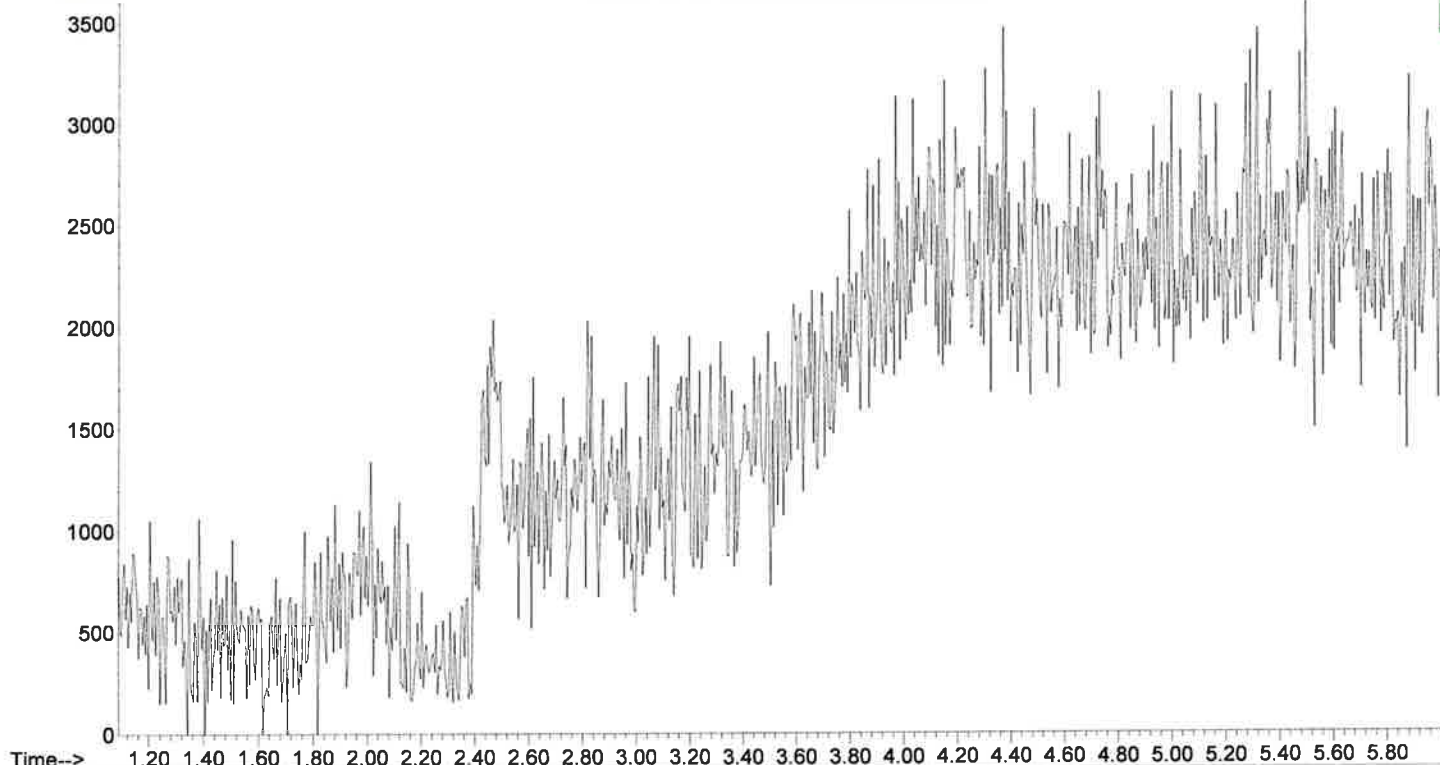
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\10-08-14 C ASMSdrugs60.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 18:54
Information: Chloroform Blank Misc. Information: Chloroform 60-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M
ALance TIC: 10-08-14 C ASMSdrugs60.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.39 psi
Inlet temperature: 250 'C Split Ratio: 200:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\10-08-14 C ASMS100TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 15:41
Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 6 min
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M

TIC: 10-08-14 C ASMS100TR.D\DATA.MS

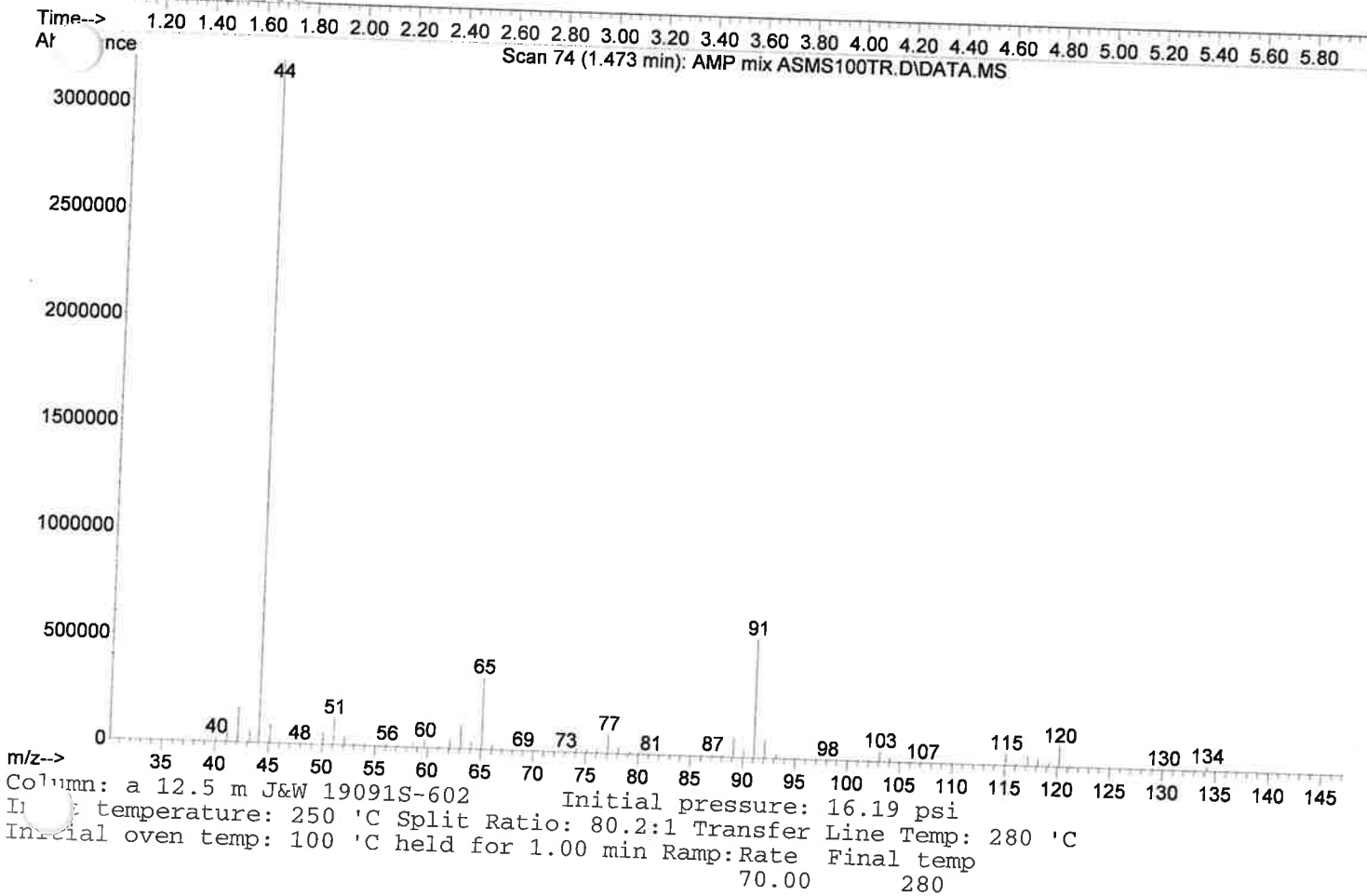
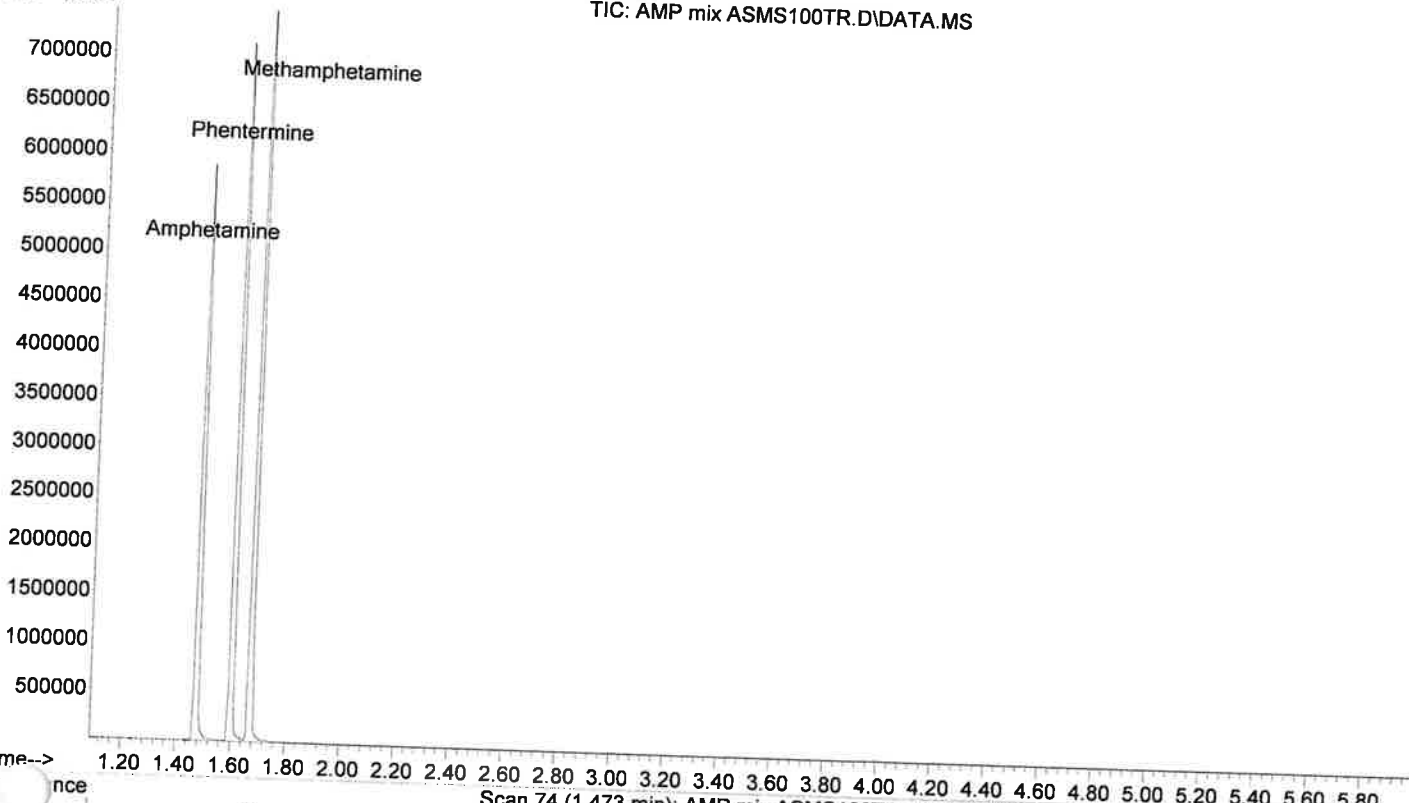


Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

ASMS100TR

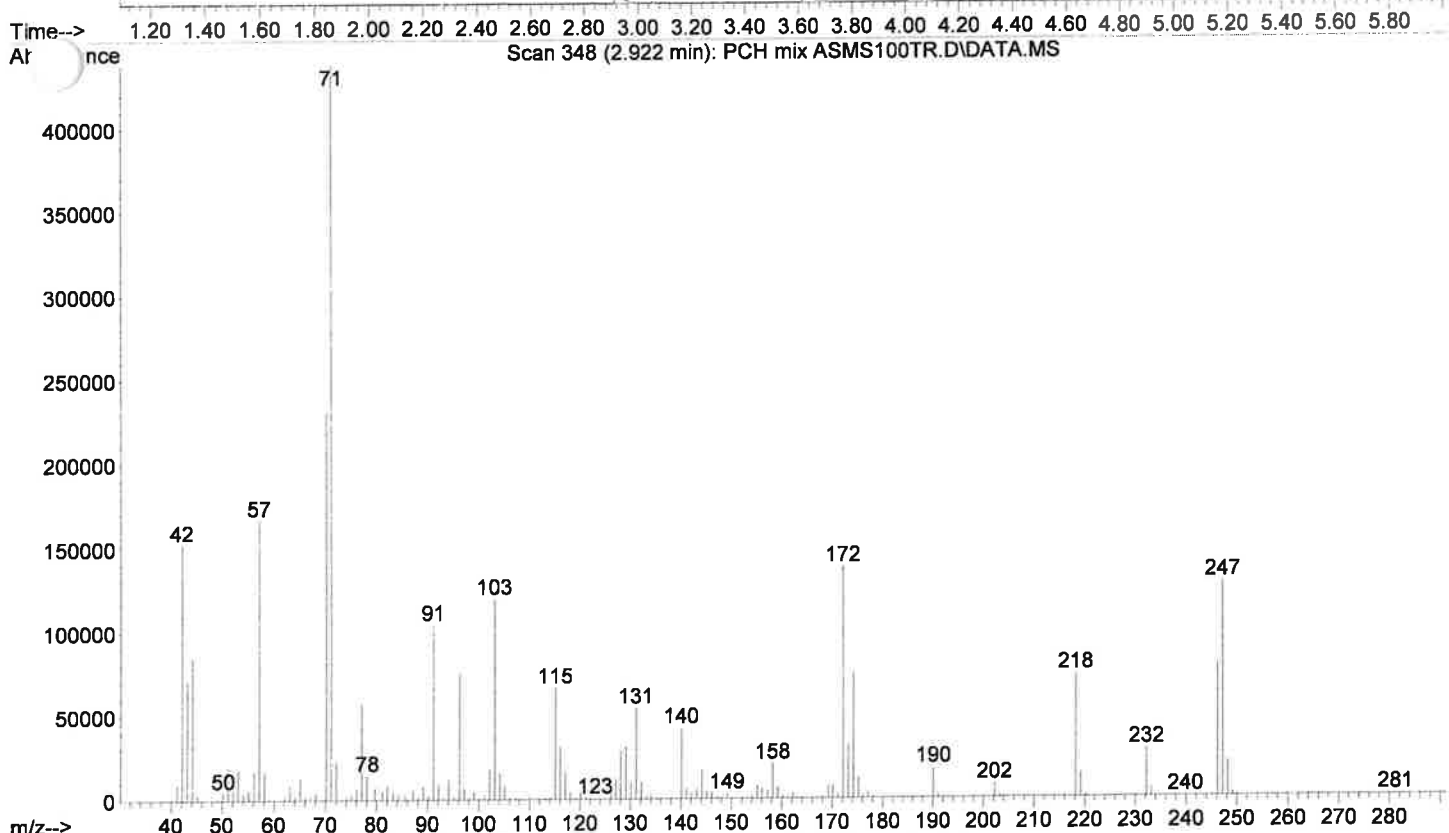
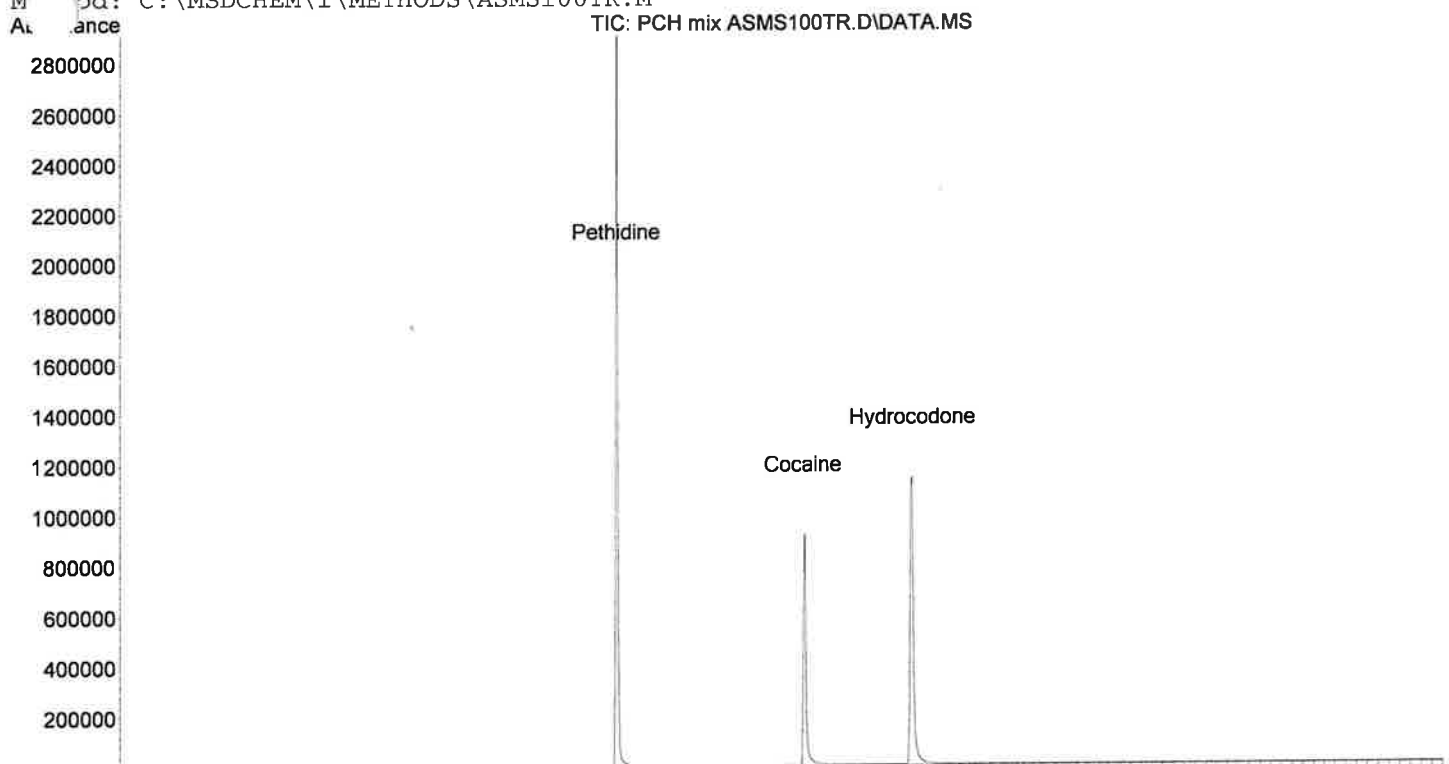
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\AMP mix ASMS100TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 15:52
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @70c
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M

TIC: AMP mix ASMS100TR.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

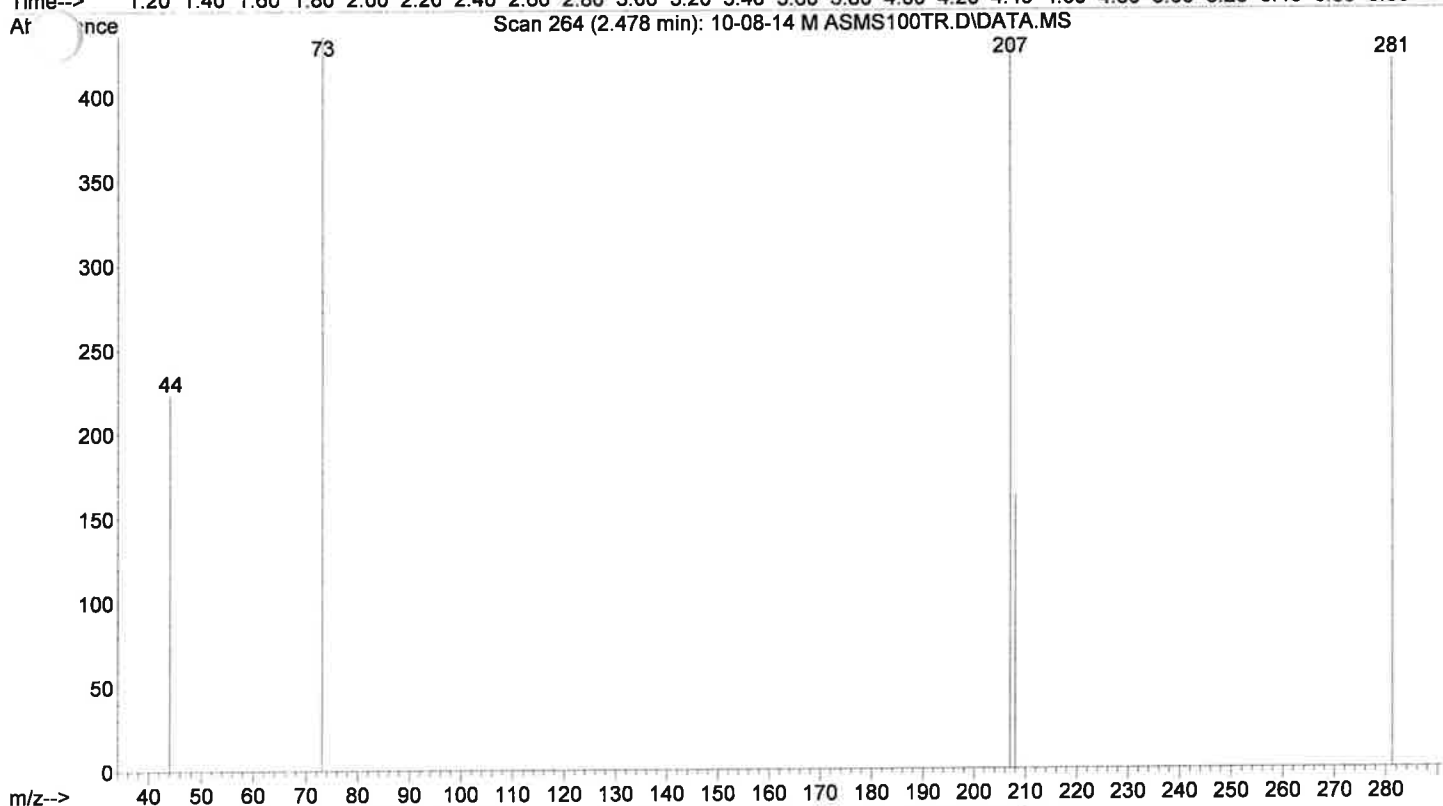
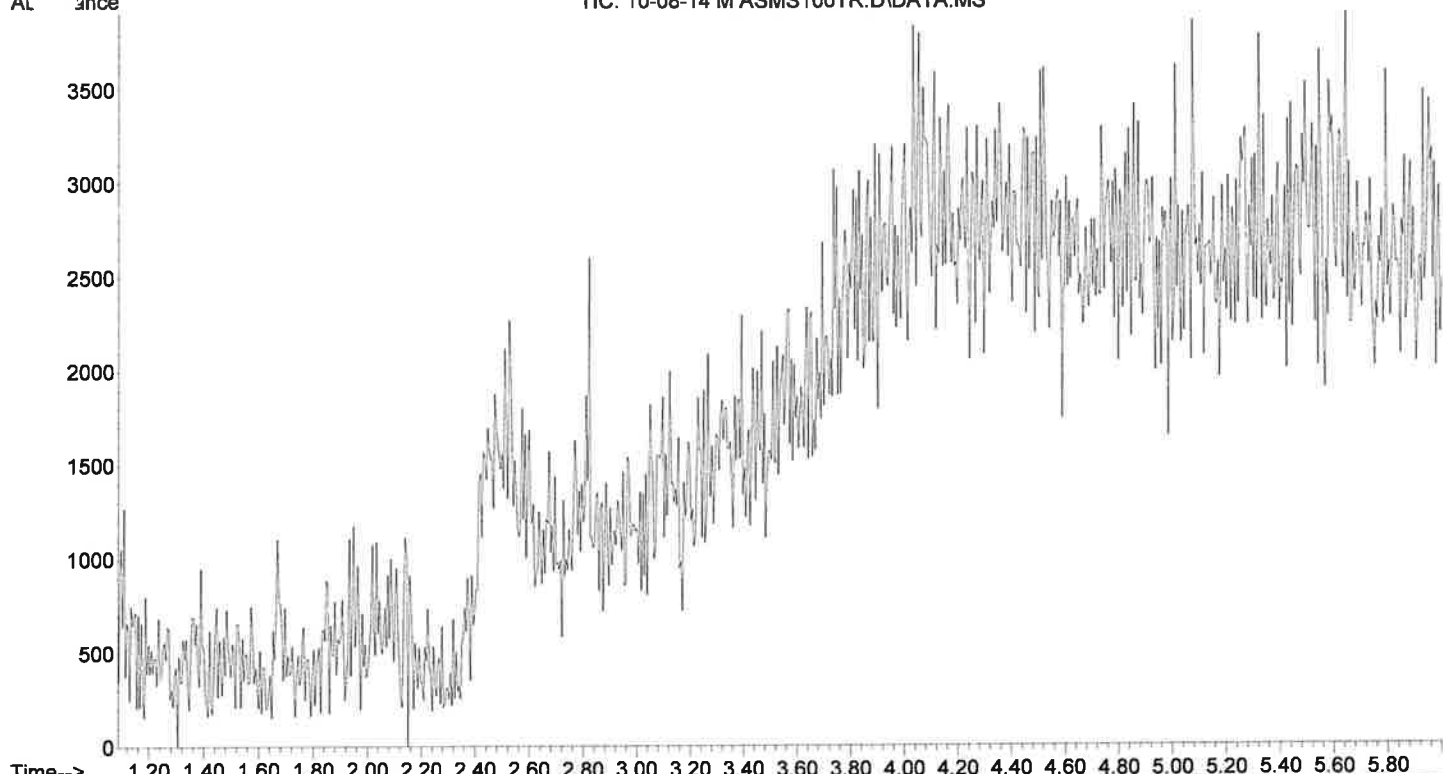
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\PCH mix ASMS100TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 16:13
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for 6 r
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\10-08-14 M ASMS100TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 16:02
Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 6 min
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M
ALANCE

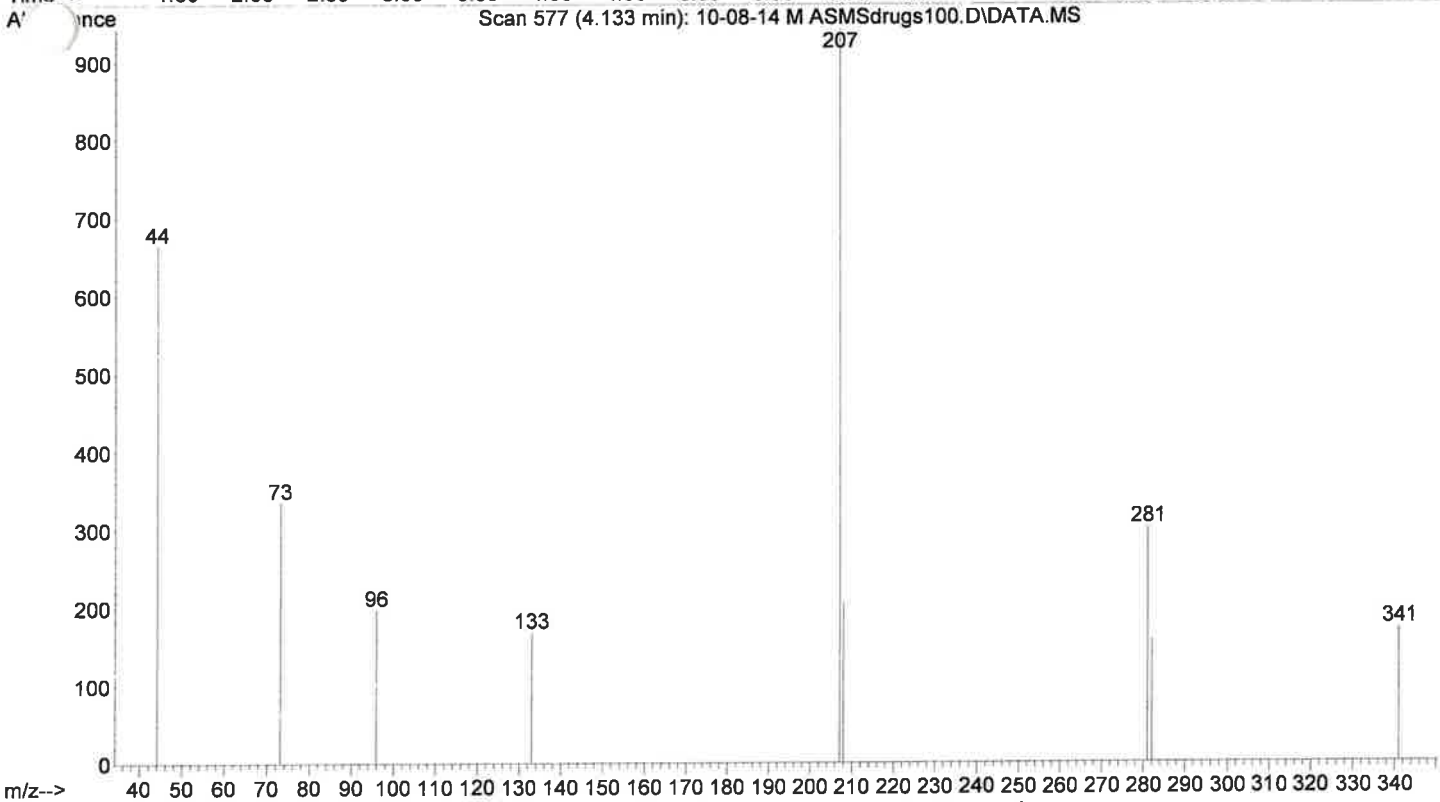
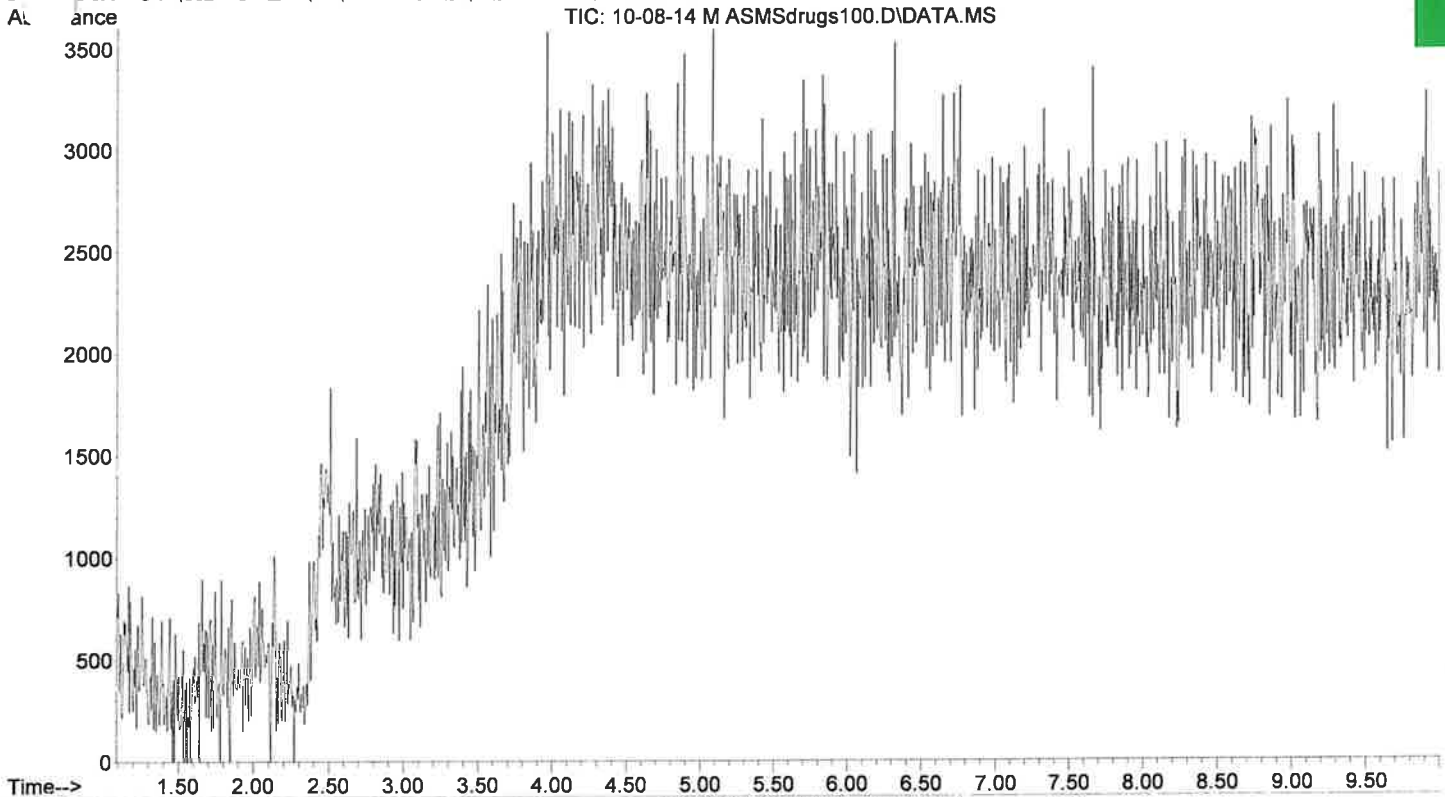
TIC: 10-08-14 M ASMS100TR.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\10-08-14 M ASMSdrugs100.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 16:53
Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M

ASMSDRUGS
100



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\AMP mix ASMSdrugs100.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

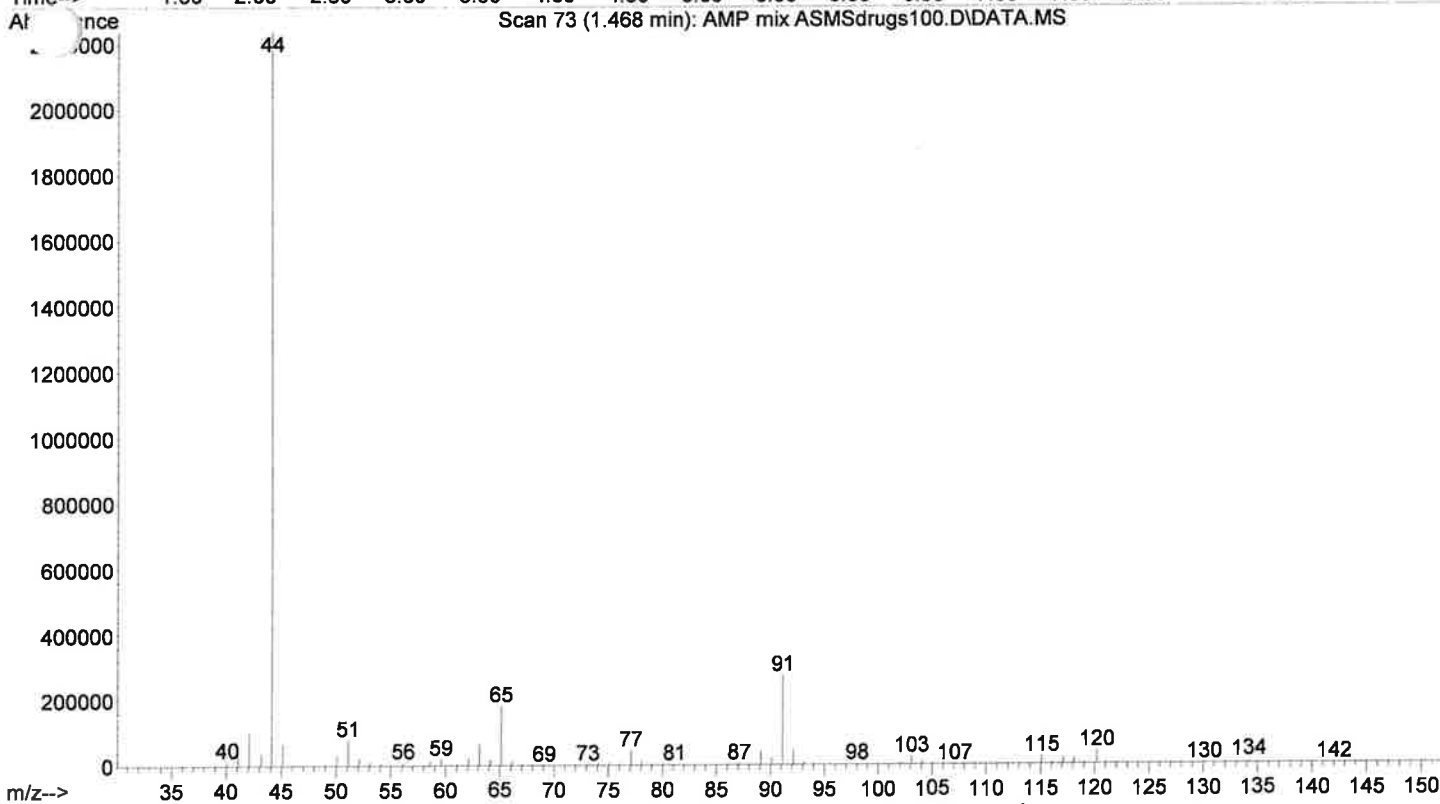
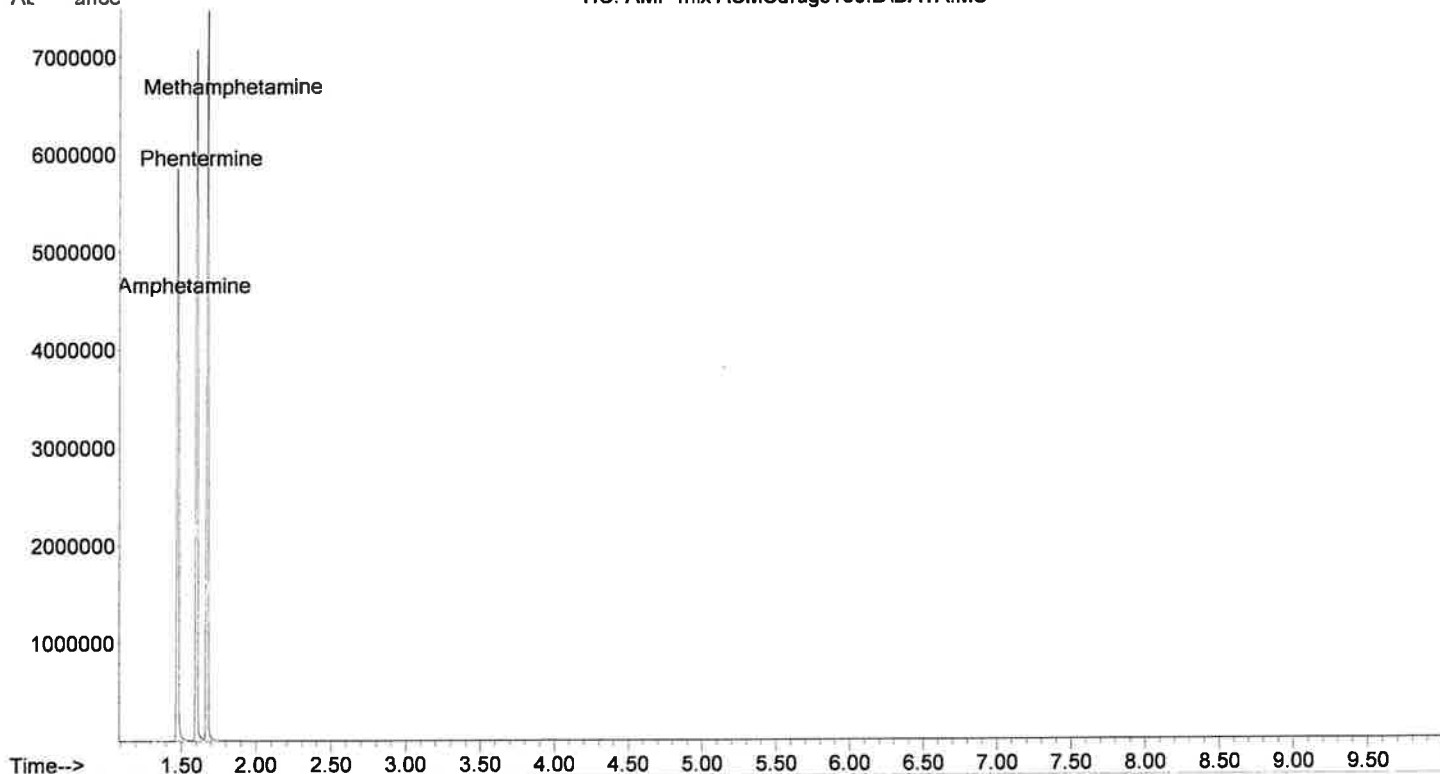
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 16:39

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @70c

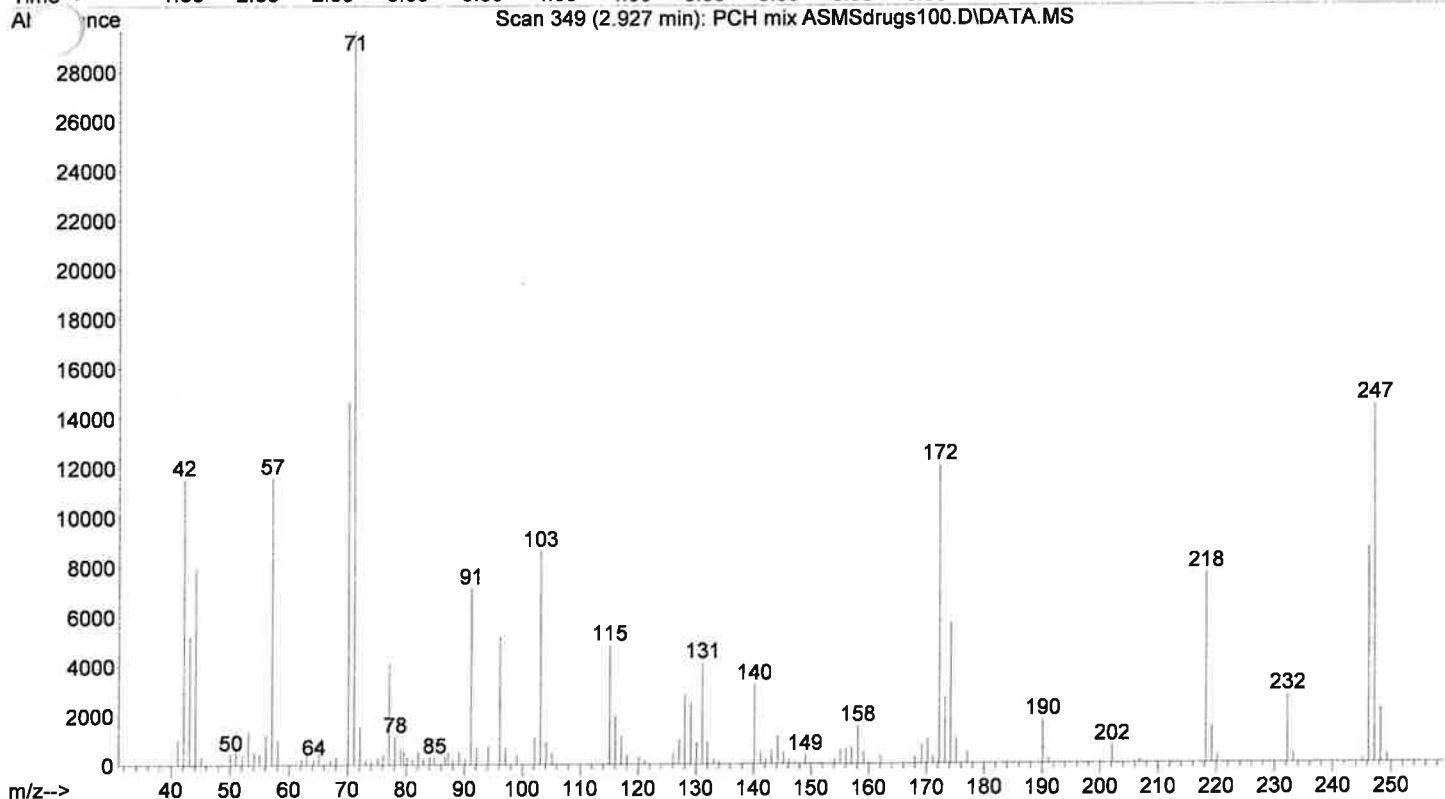
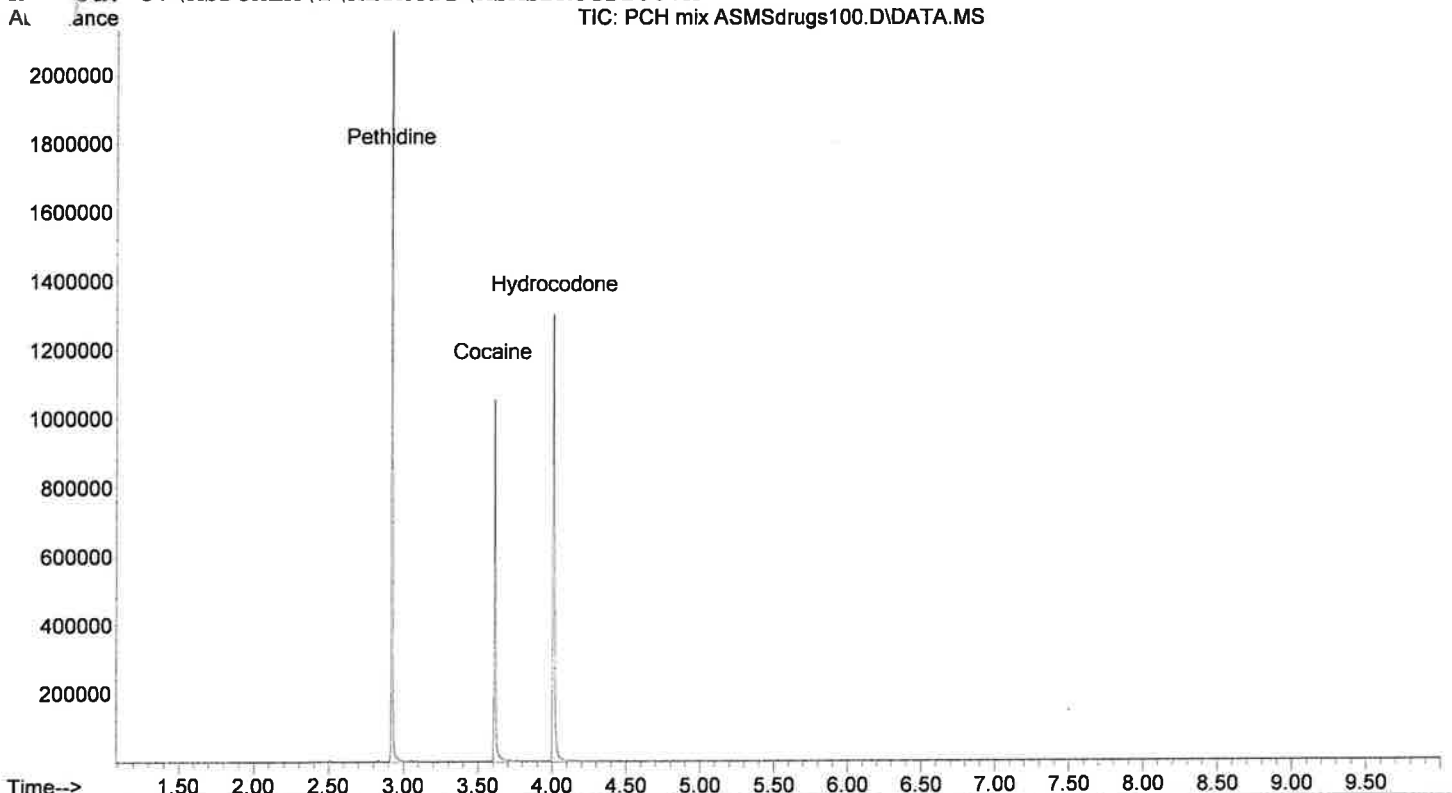
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M

Alance TIC: AMP mix ASMSdrugs100.D\DATA.MS



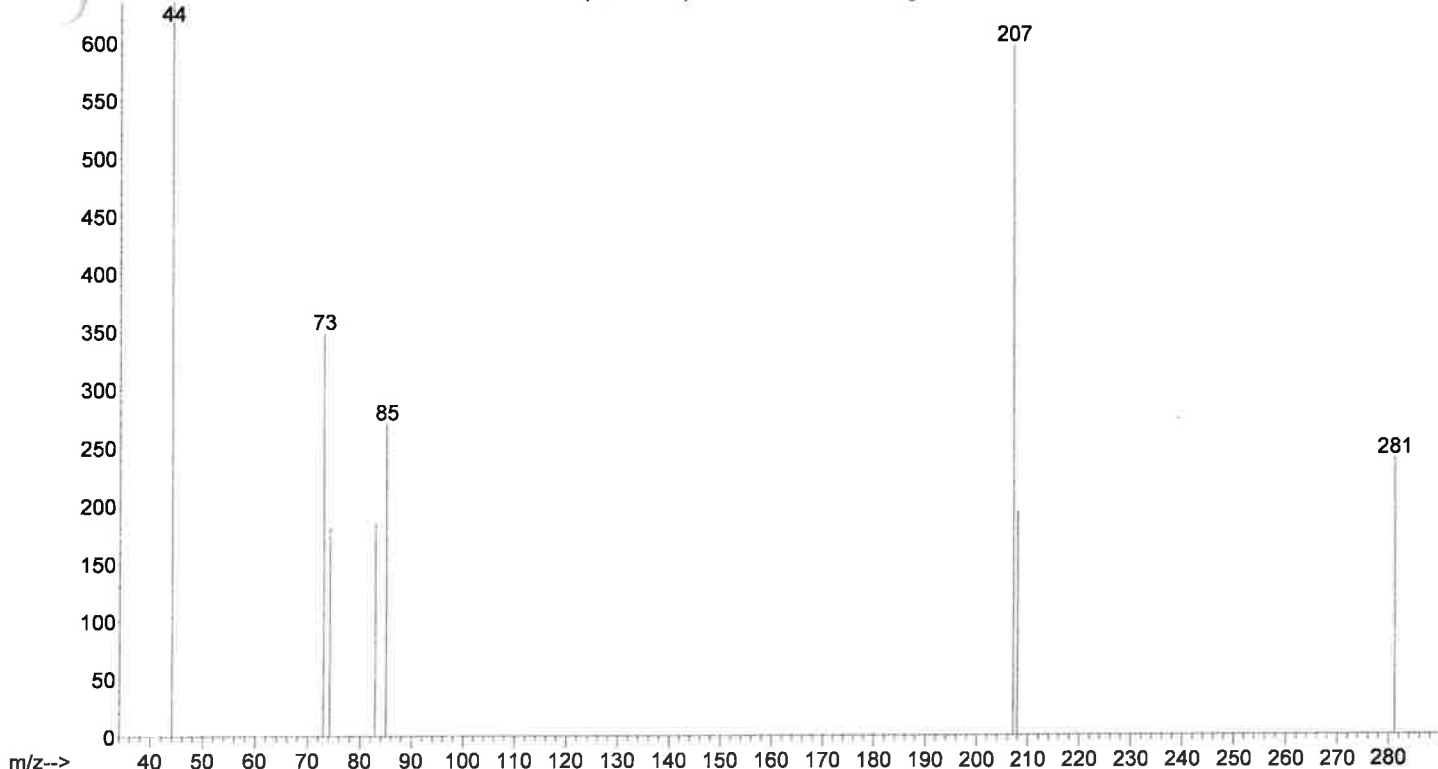
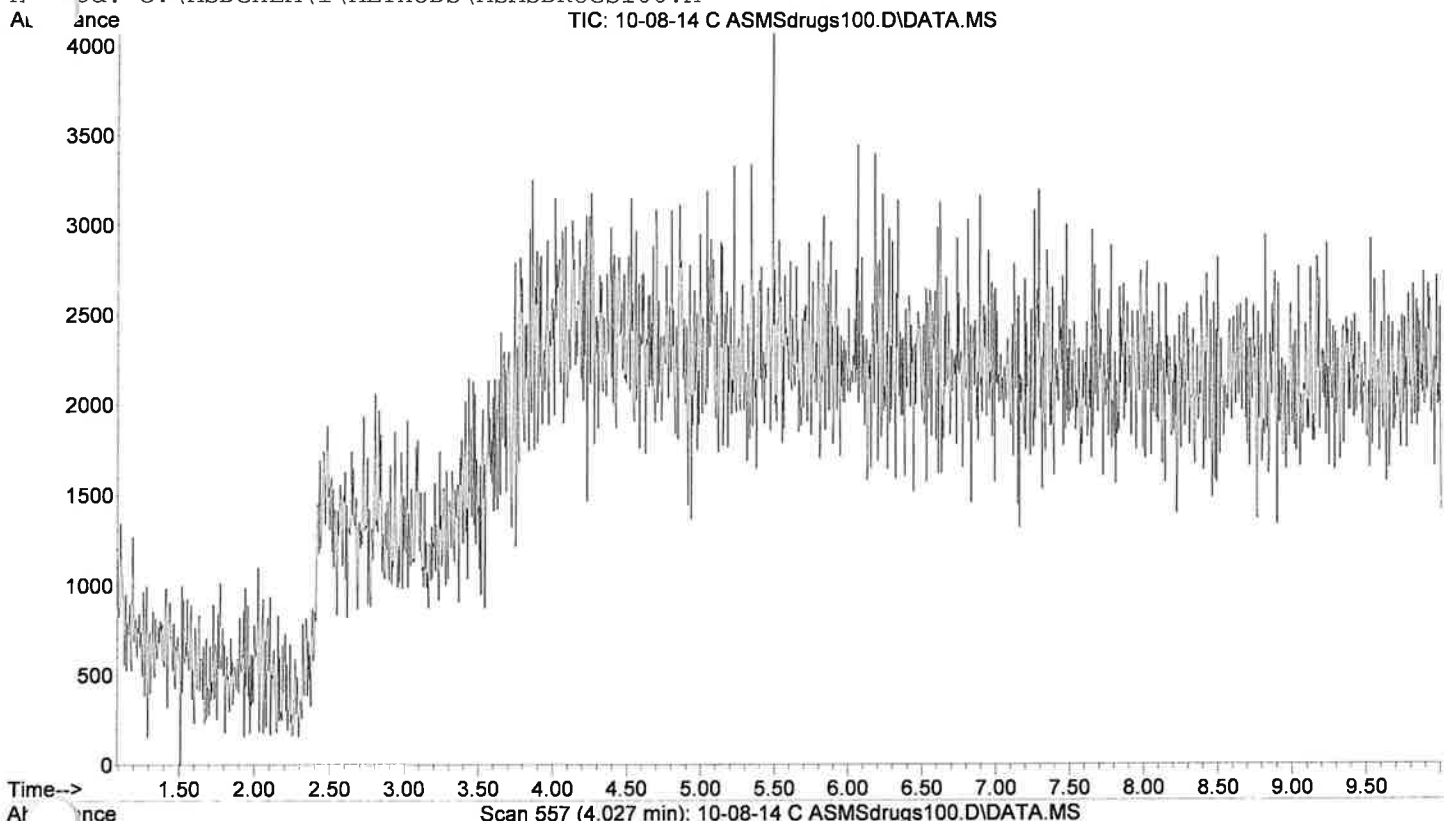
Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\PCH mix ASMSdrugs100.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 17:08
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for 10
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M



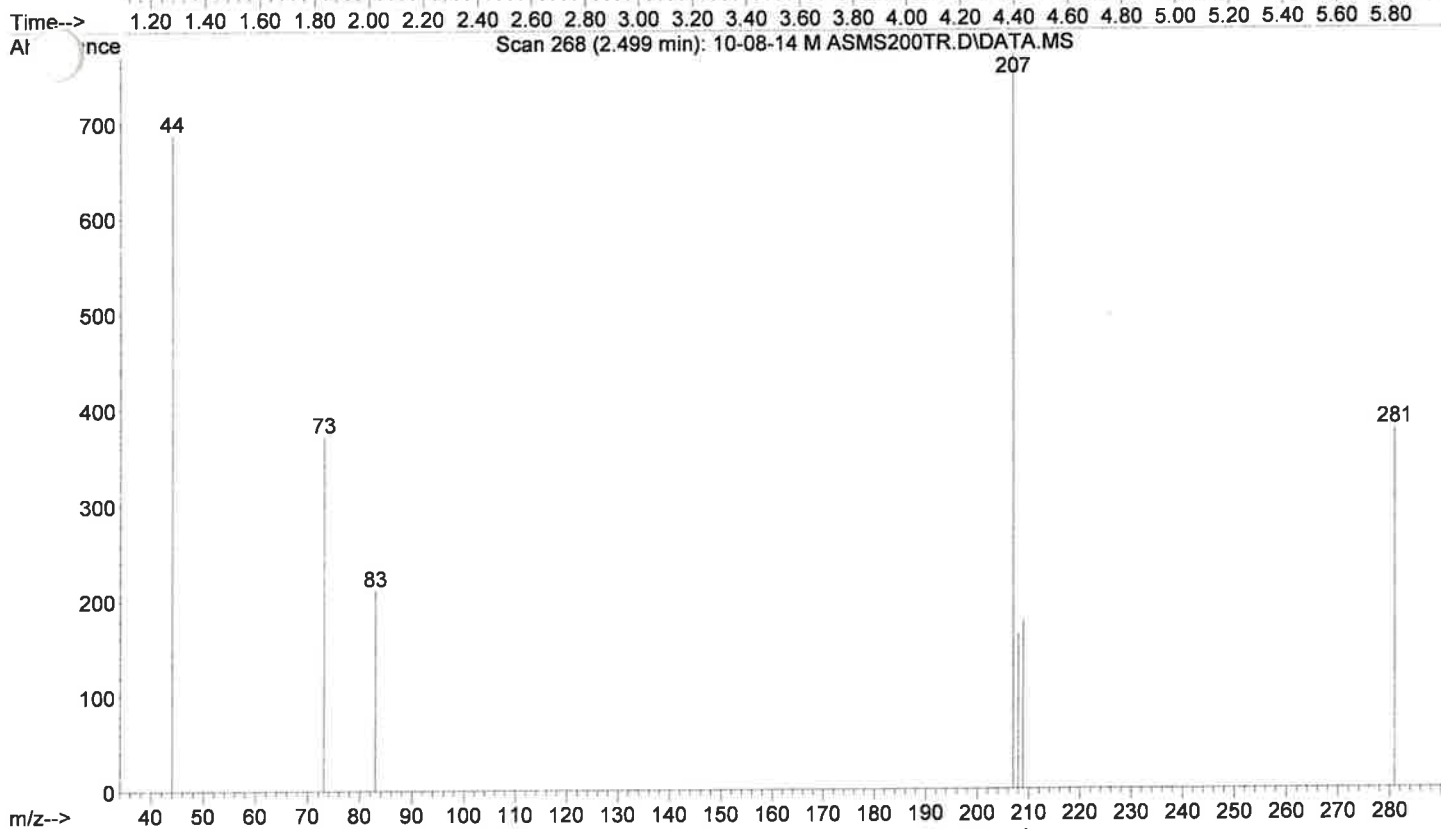
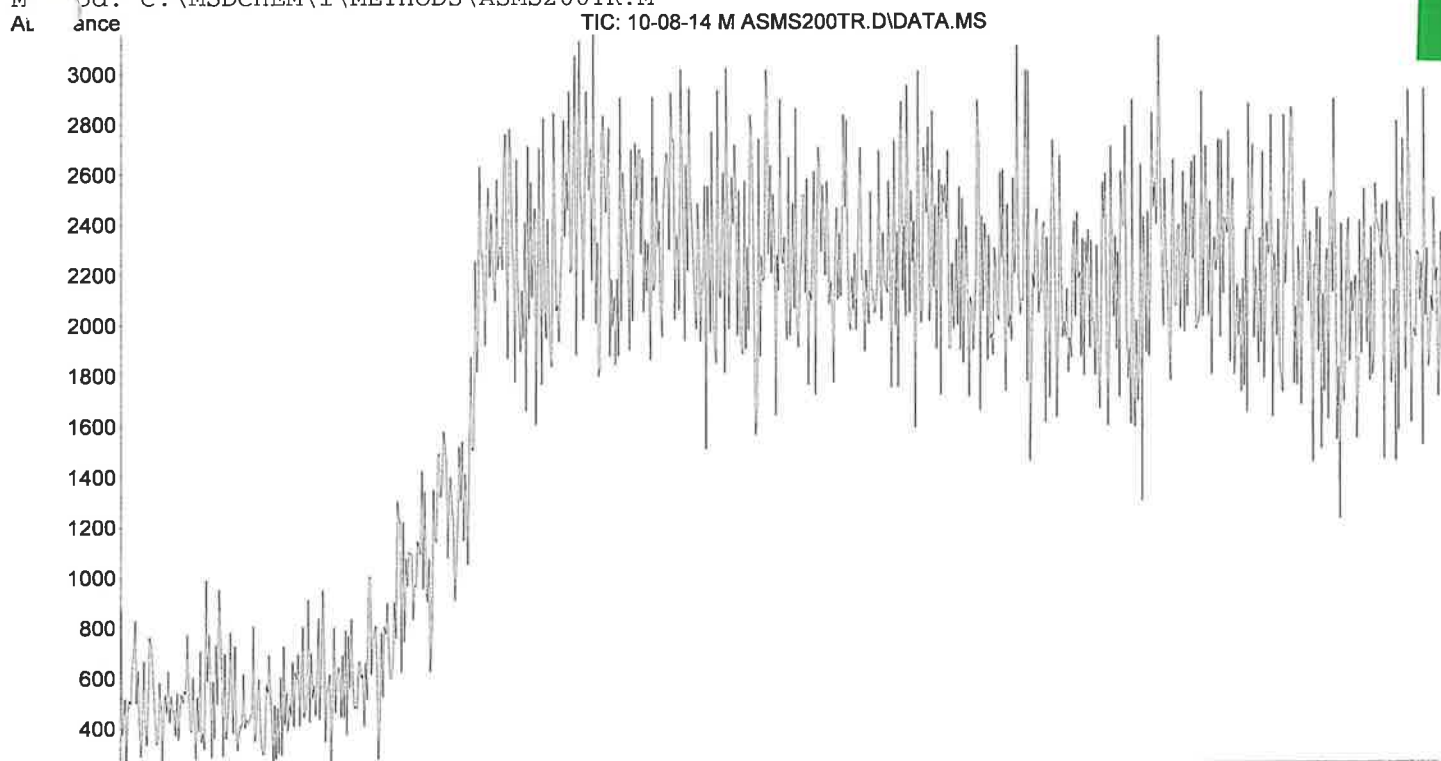
Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Initial temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\10-08-14 C ASMSdrugs100.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 16:24
Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\10-08-14 M ASMS200TR.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 18:31
Information: Methanol Blank Misc. Information: Methanol 200-280c @70c/min for 6 min
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 °C Split Ratio: 80.2:1 Transfer Line Temp: 280 °C
Initial oven temp: 200 °C held for 1.00 min Ramp: Rate Final temp
70.00 280

ASMS200TR

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\AMP mix ASMS200TR.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

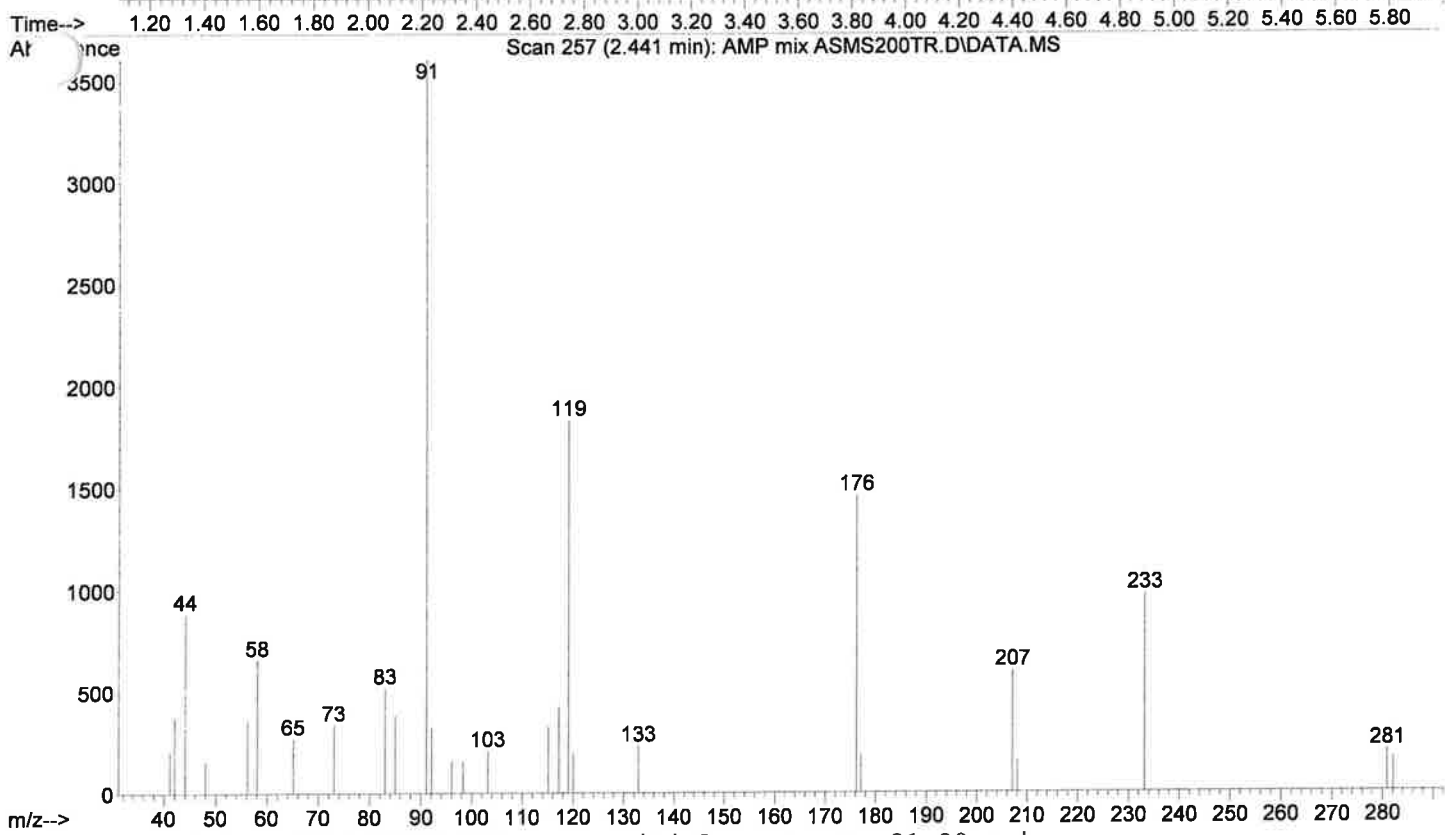
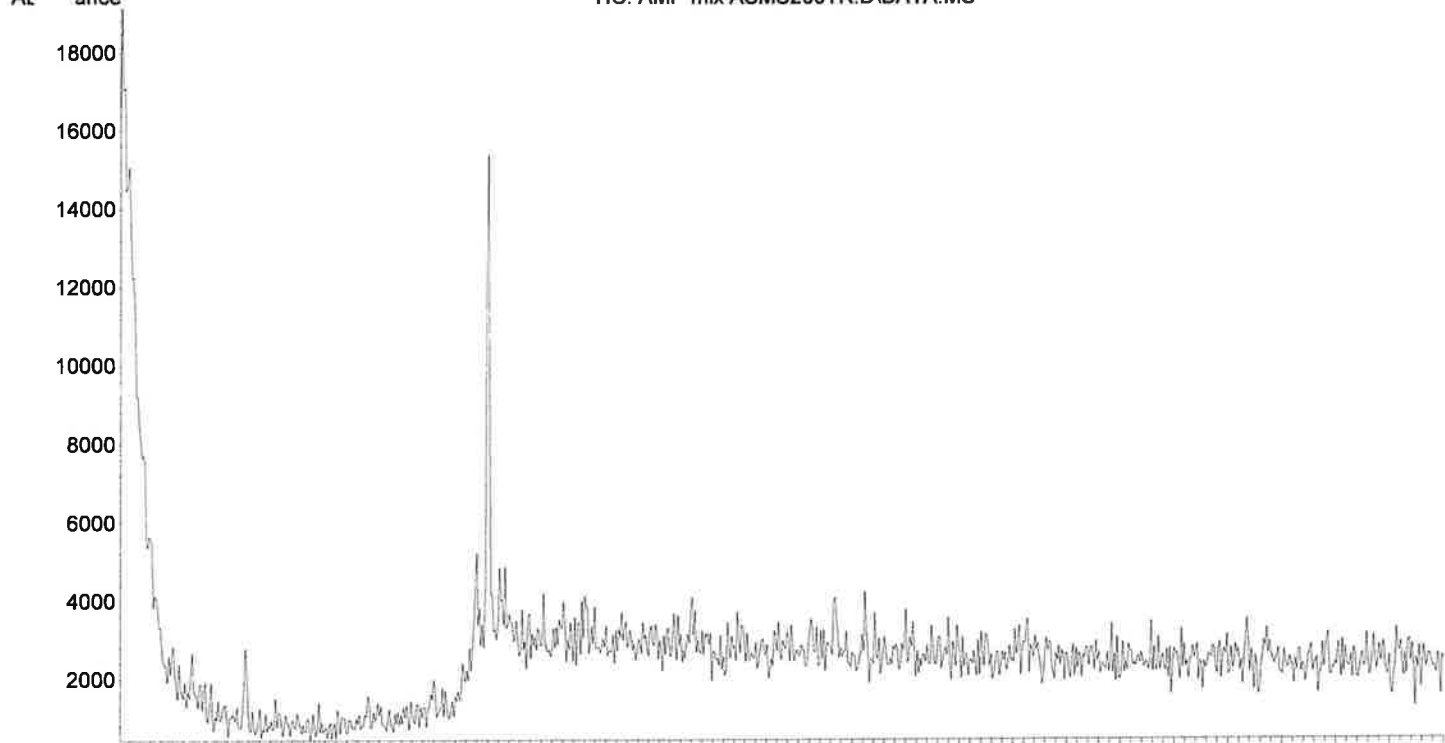
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 18:22

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 200-280c @70c

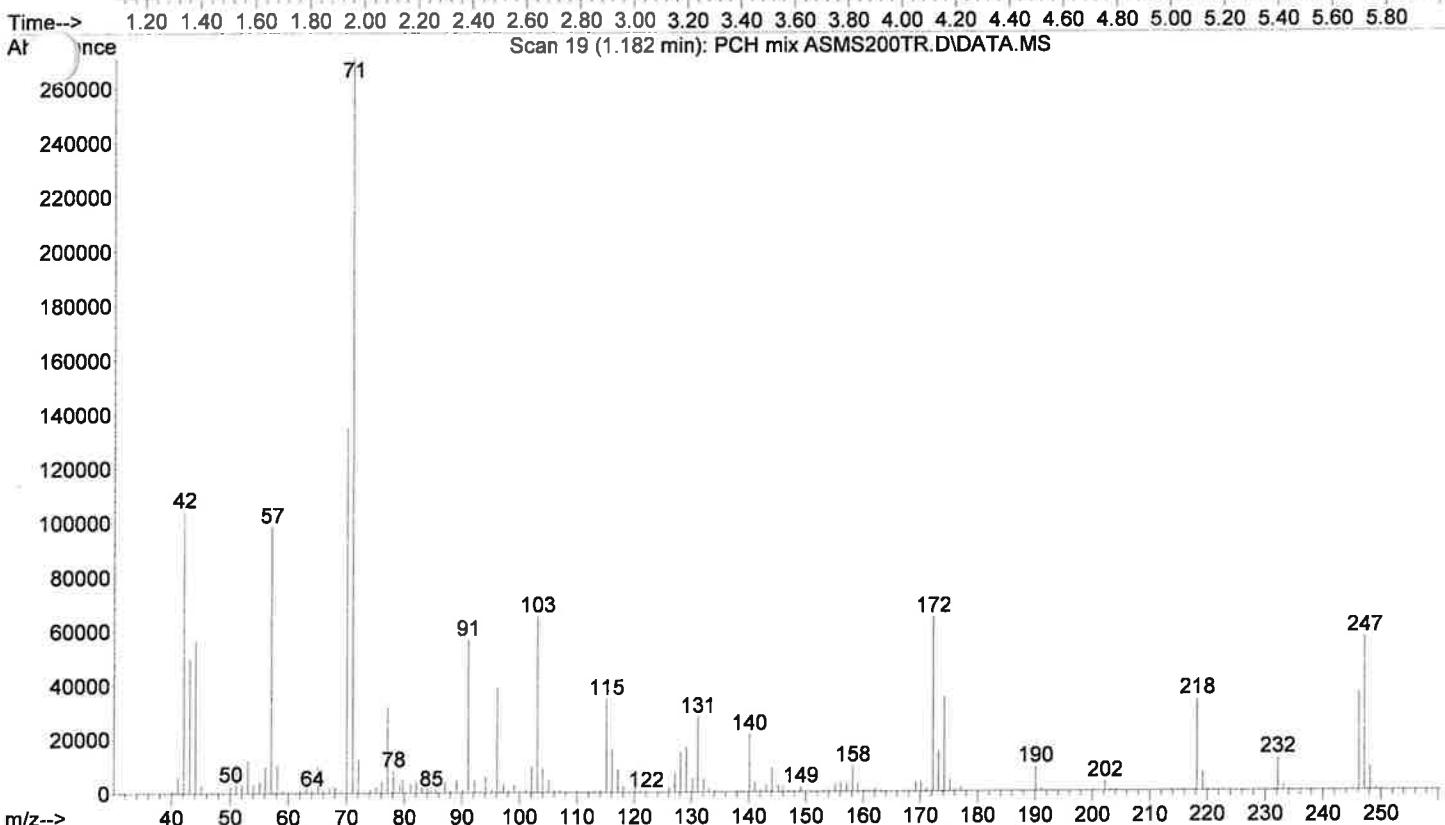
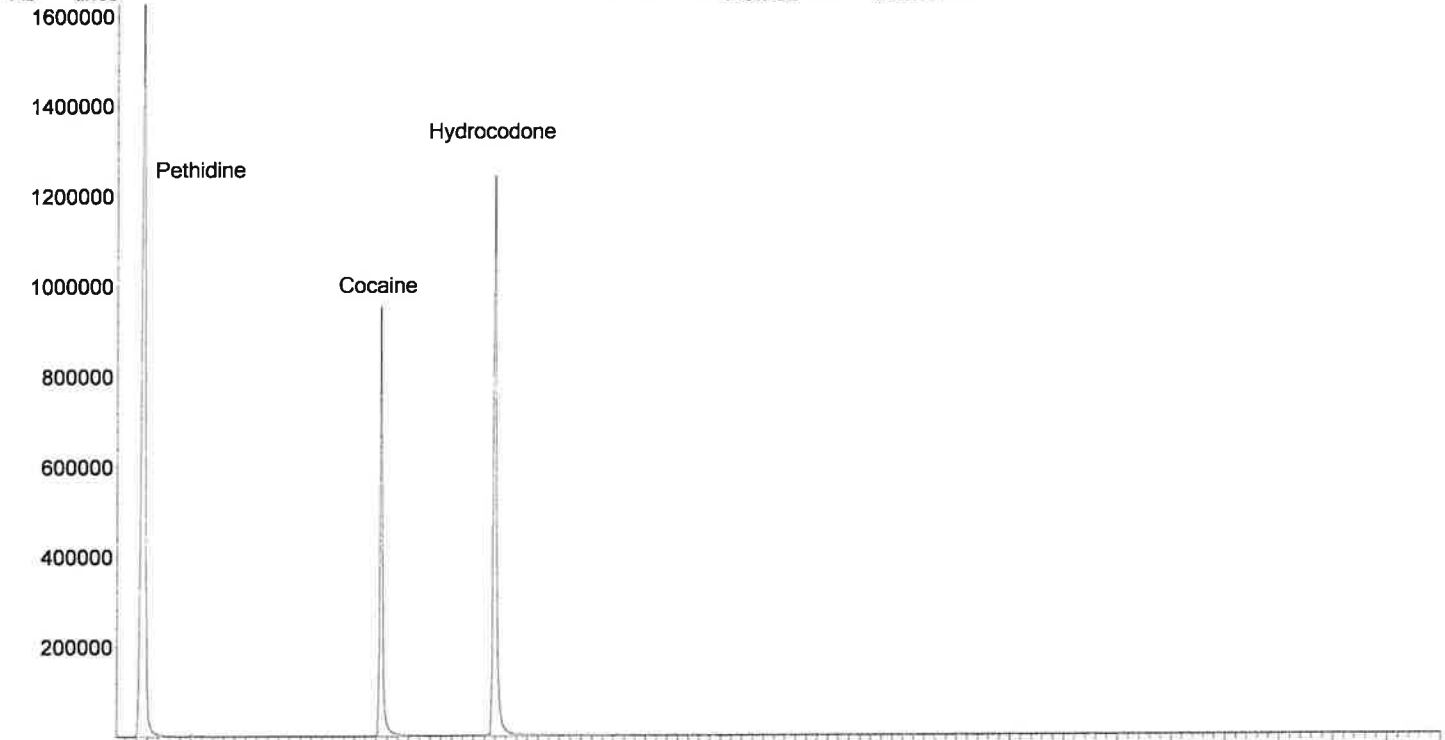
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M

AL: TIC: AMP mix ASMS200TR.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
 Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\PCH mix ASMS200TR.D
 Instrument: Espresso (model: 5973N Serial number: US10460425)
 Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
 Acquired by Lela Jackson on 8 Oct 2014 18:40
 Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 200-280c @70c/min for 6 min
 Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M
 TIC: PCH mix ASMS200TR.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
 Inlet temperature: 250 °C Split Ratio: 80.2:1 Transfer Line Temp: 280 °C
 Initial oven temp: 200 °C held for 1.00 min Ramp: Rate Final temp
 70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\10-08-14 C ASMS200TR.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

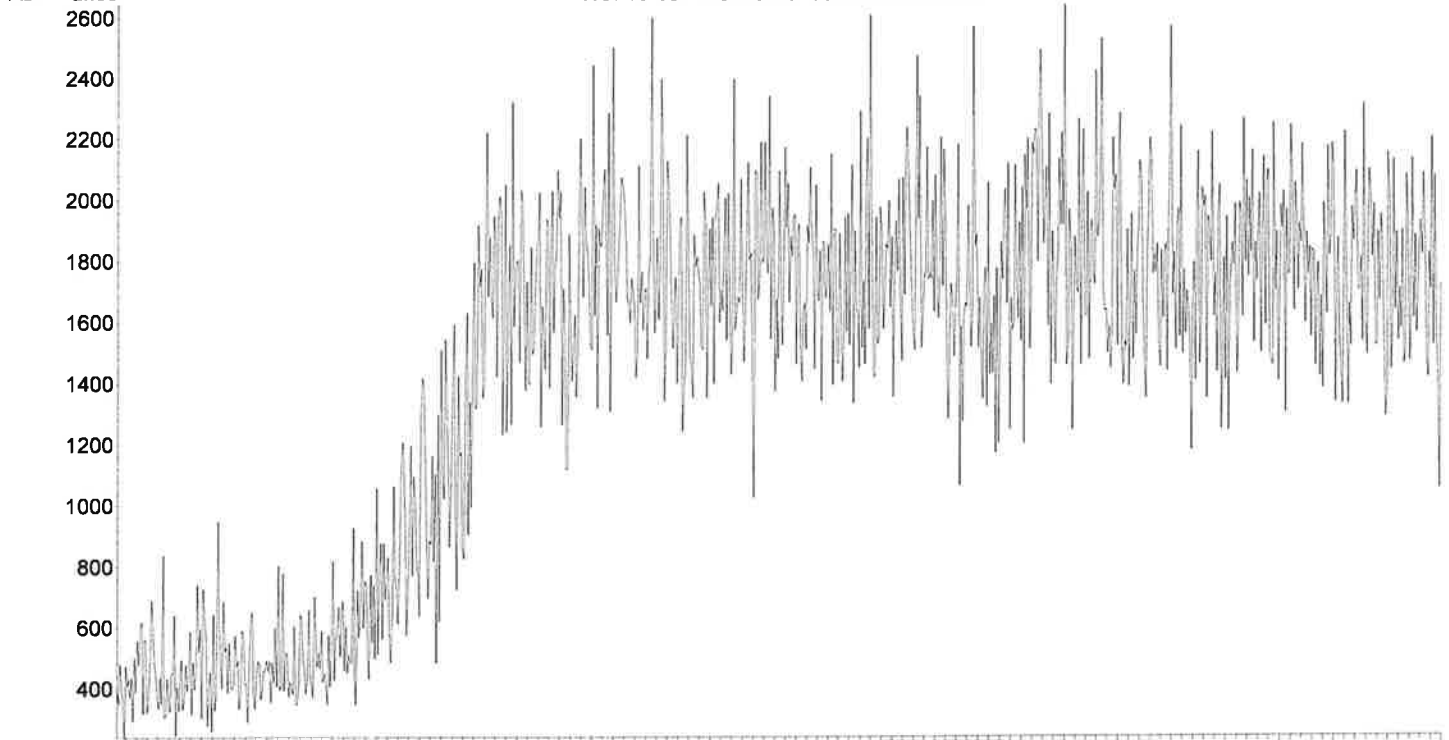
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 18:13

Information: Chloroform Blank Misc. Information: Chloroform 200-280c @70c/min for 6 min

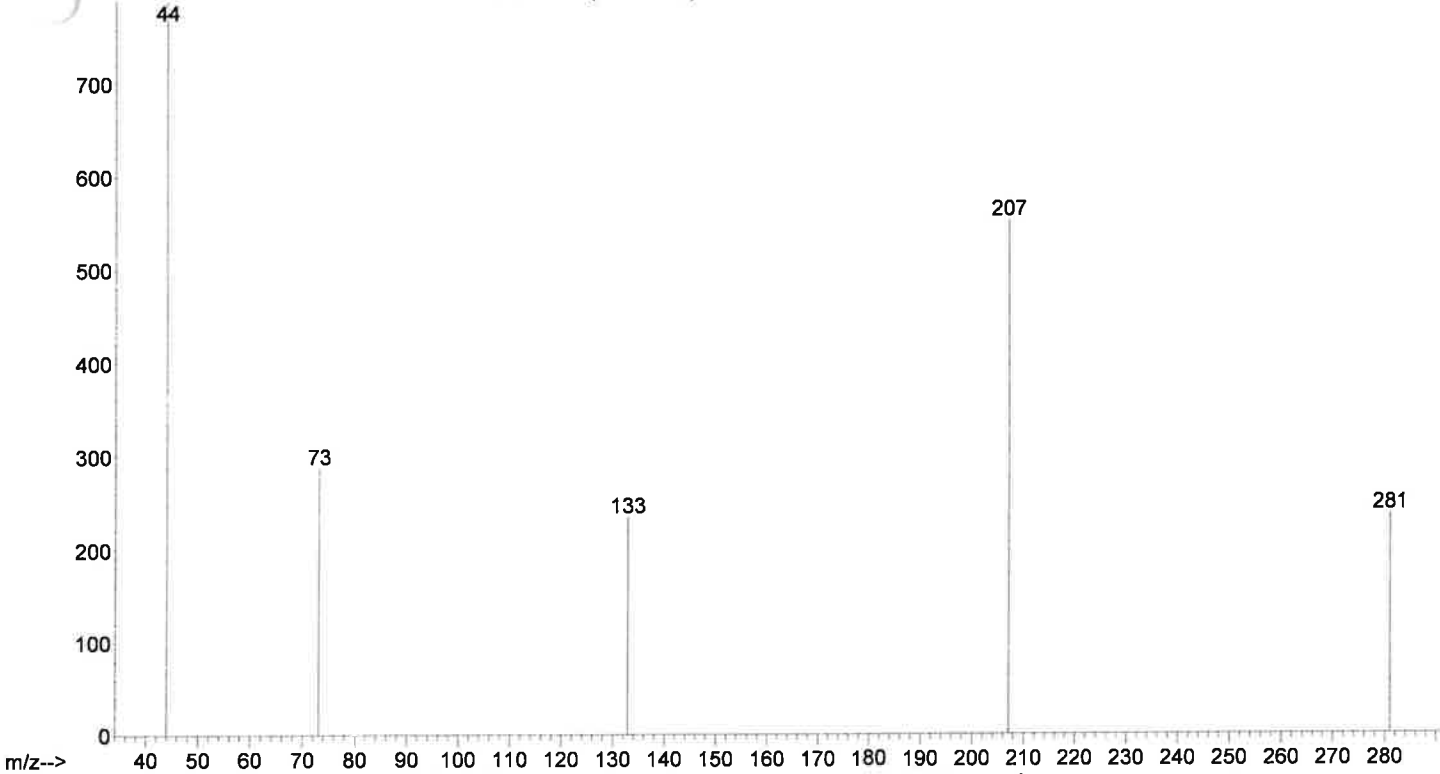
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M

Altance TIC: 10-08-14 C ASMS200TR.D\DATA.MS



Time--> 1.20 1.40 1.60 1.80 2.00 2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60 5.80

Altance Scan 308 (2.711 min): 10-08-14 C ASMS200TR.D\DATA.MS



Column: a 12.5 m J&W 19091S-602

Initial pressure: 21.99 psi

Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C

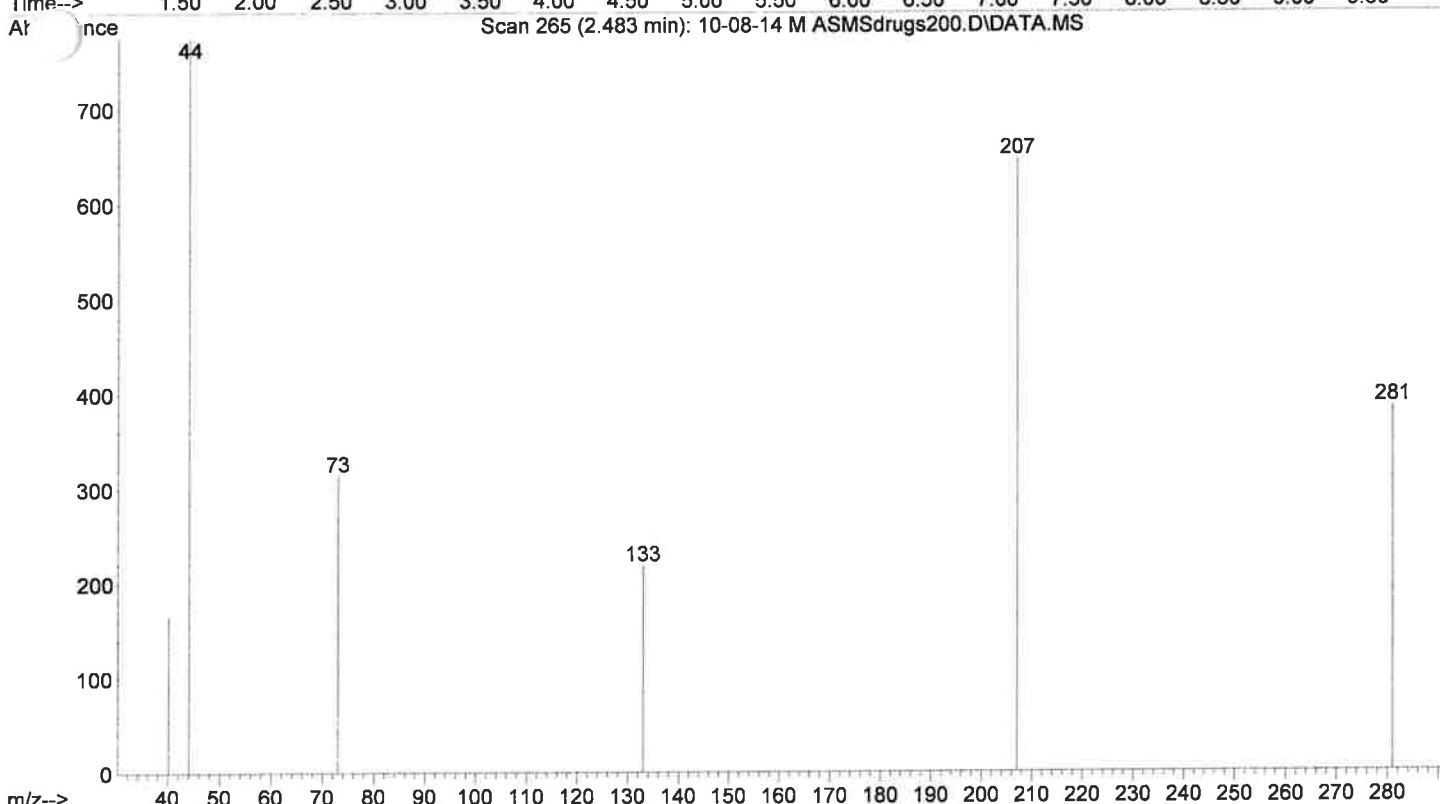
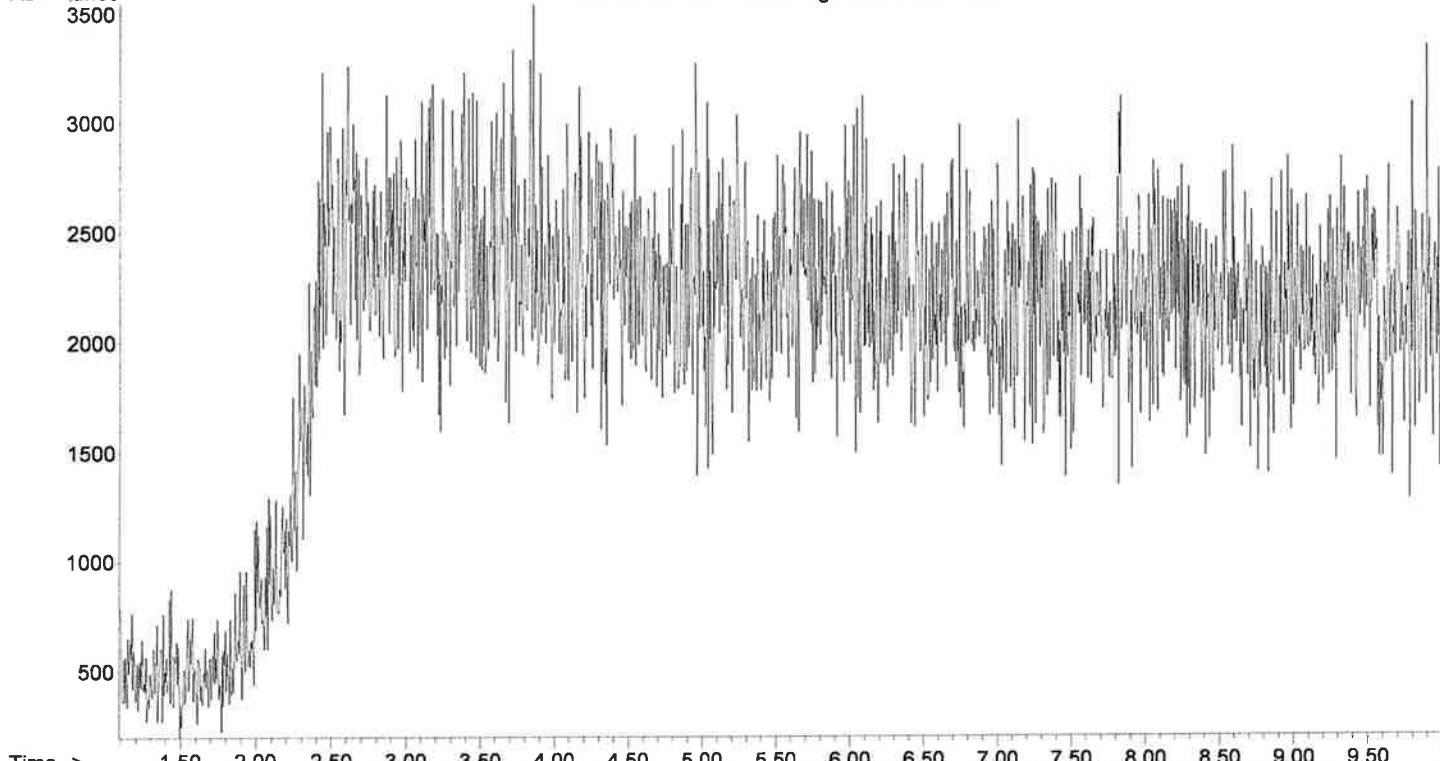
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\10-08-14 M ASMSdrugs200.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 17:47
Information: Methanol Blank Misc. Information: Methanol 200-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS200.M
AL: 10-08-14 M ASMSdrugs200.D\DATA.MS

ASMSDRUGS200



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\1J\Nashville 2014\OCT\ASMS\AMP mix ASMSdrugs200.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

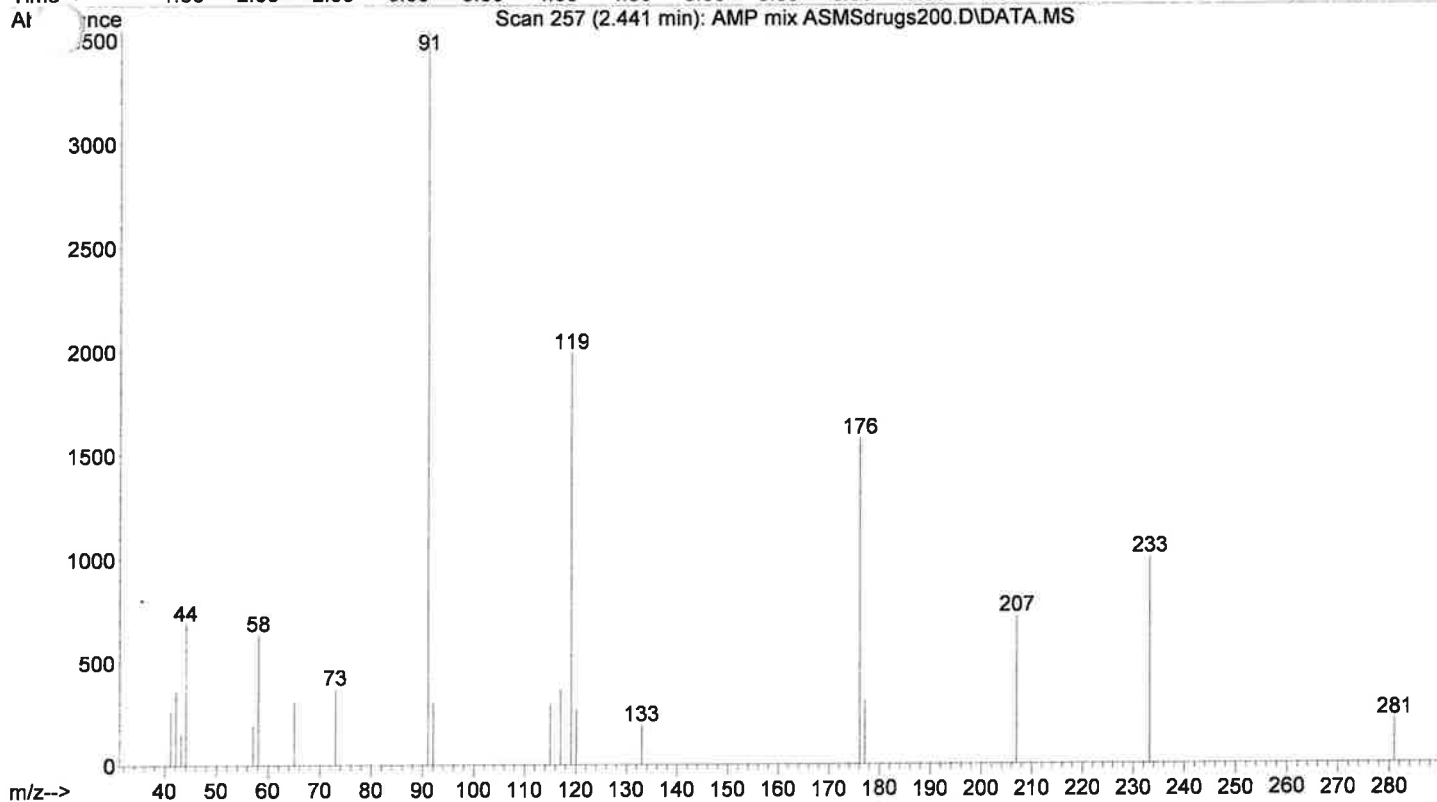
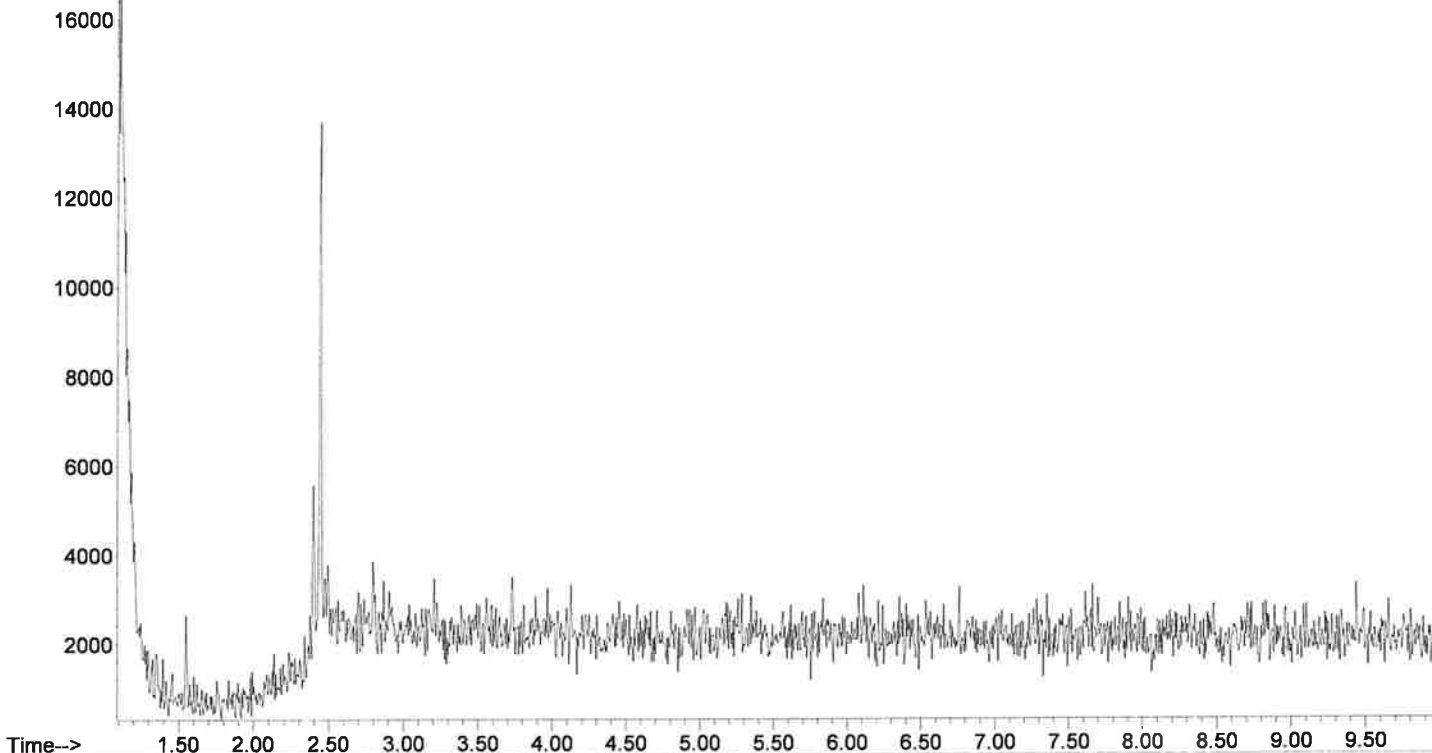
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 17:34

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 200-280c @70c

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS200.M

AL Source TIC: AMP mix ASMSdrugs200.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\PCH mix ASMSdrugs200.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

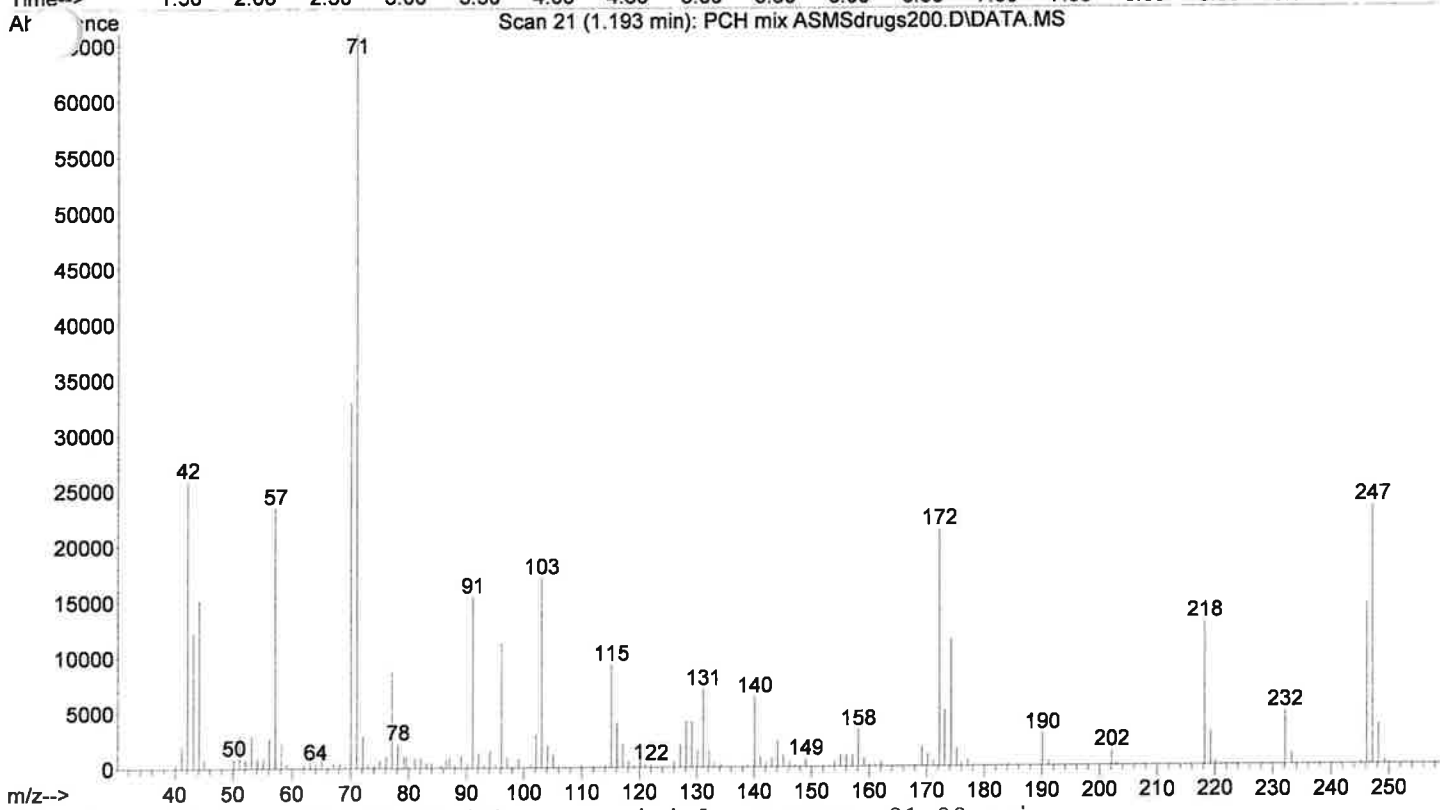
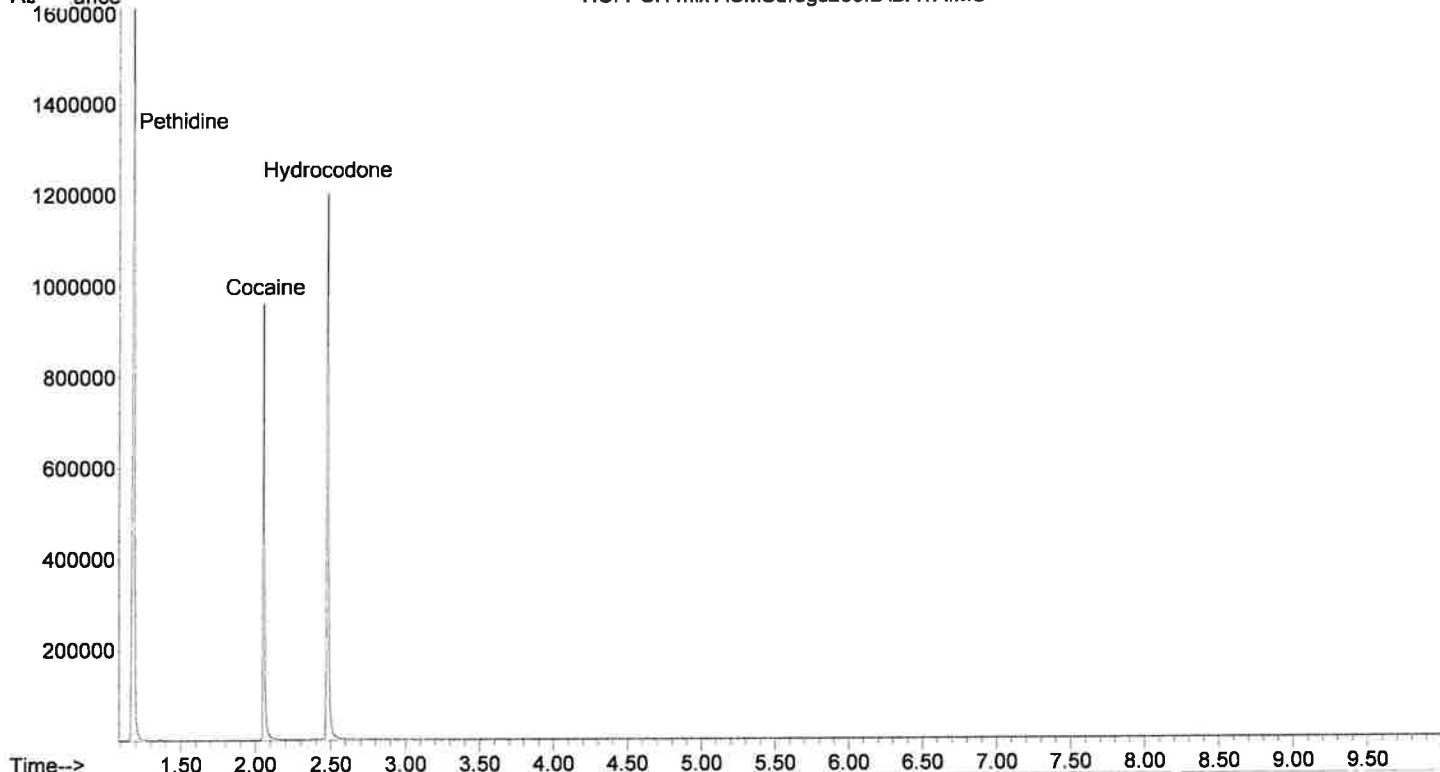
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 18:00

Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 200-280c @70c/min for 10

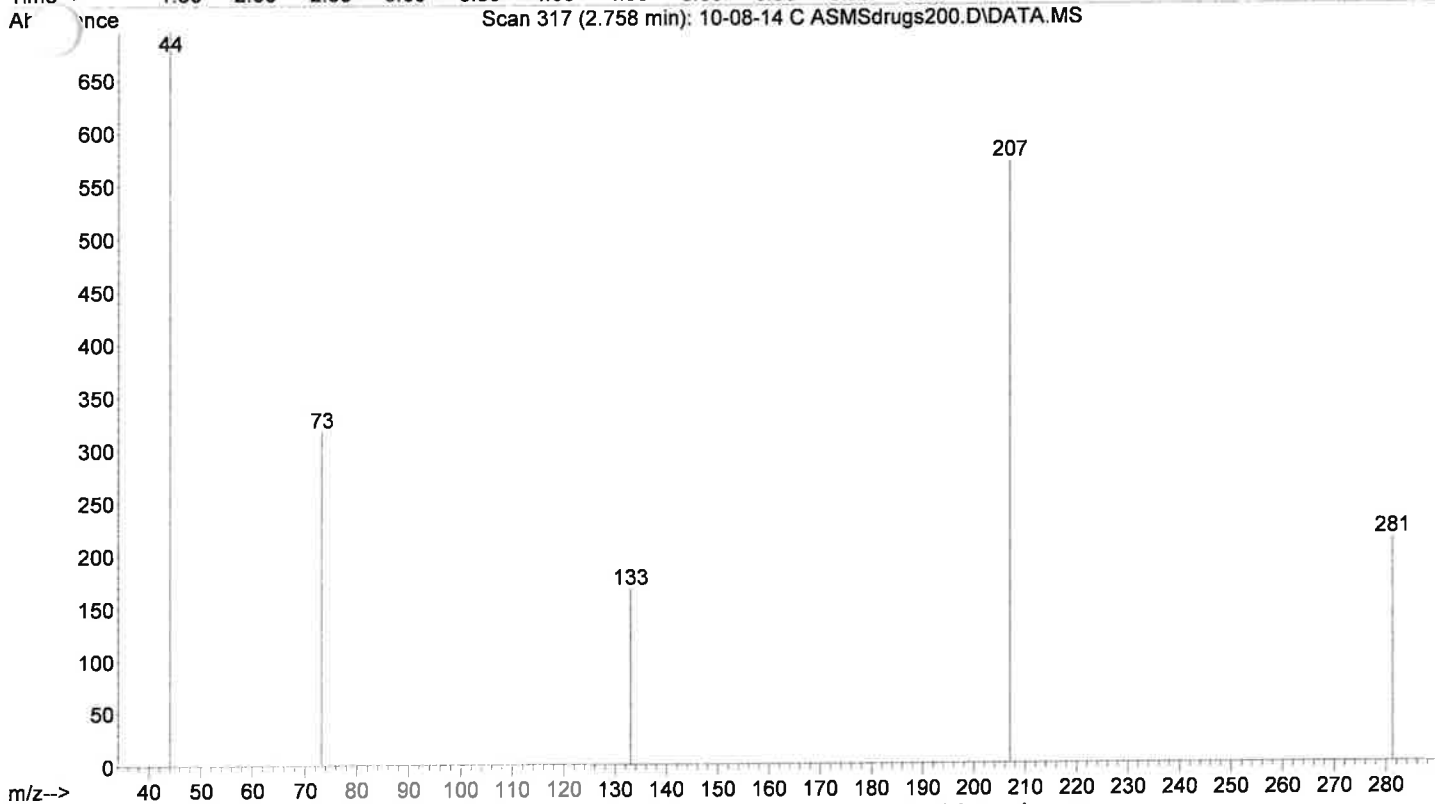
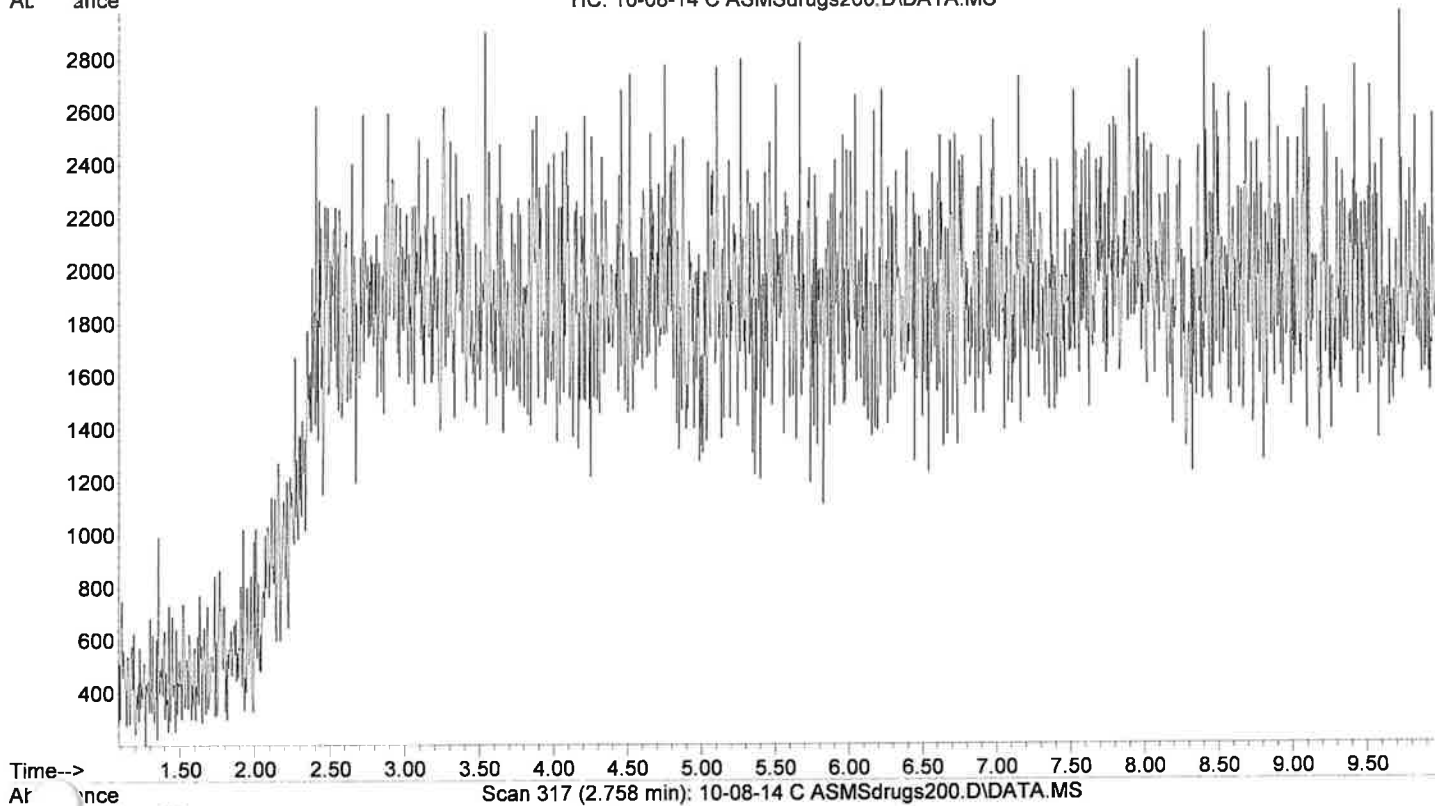
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS200.M

AL: PCH mix ASMSdrugs200.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Initial temperature: 250 °C Split Ratio: 80.2:1 Transfer Line Temp: 280 °C
Initial oven temp: 200 °C held for 1.00 min Ramp: Rate Final temp
70.00 280

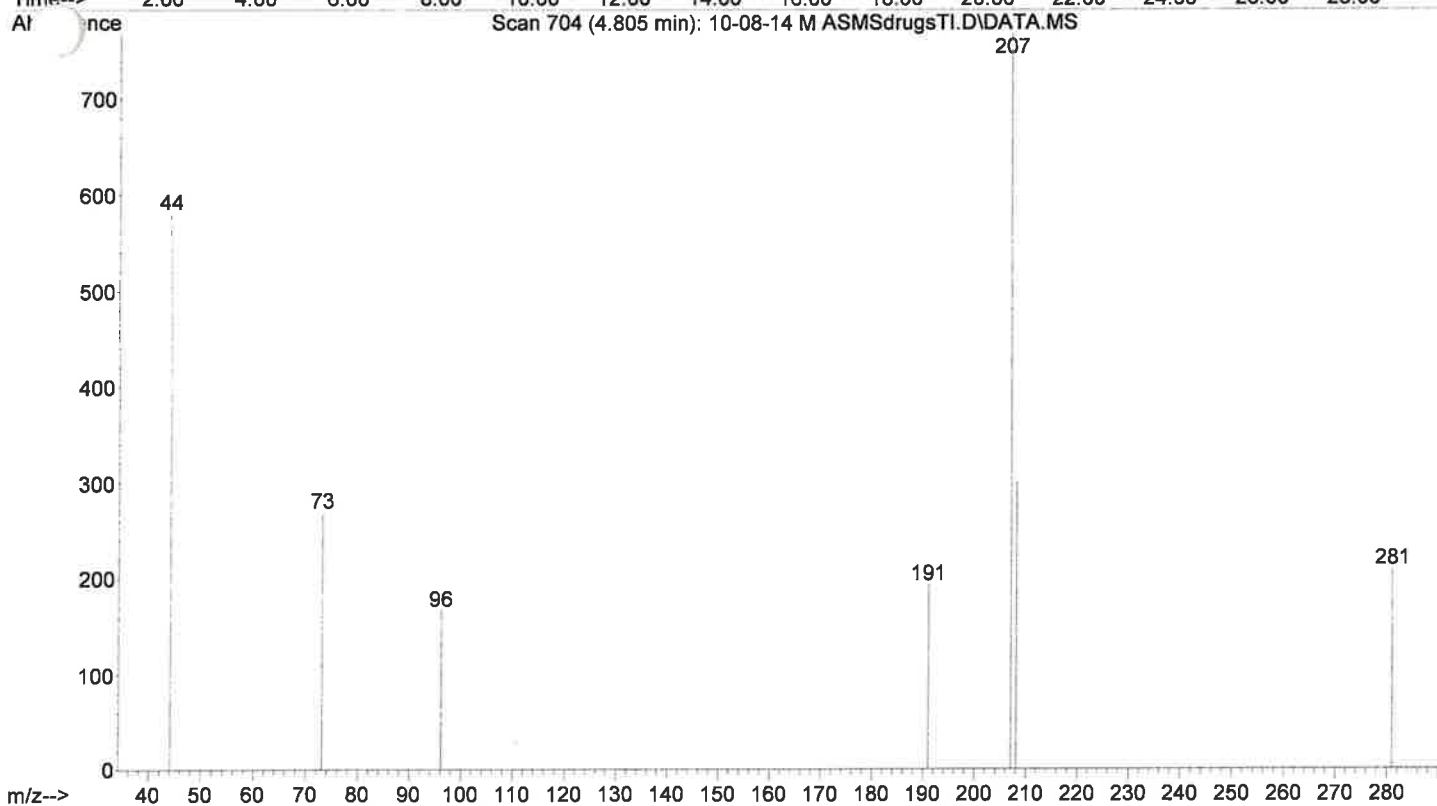
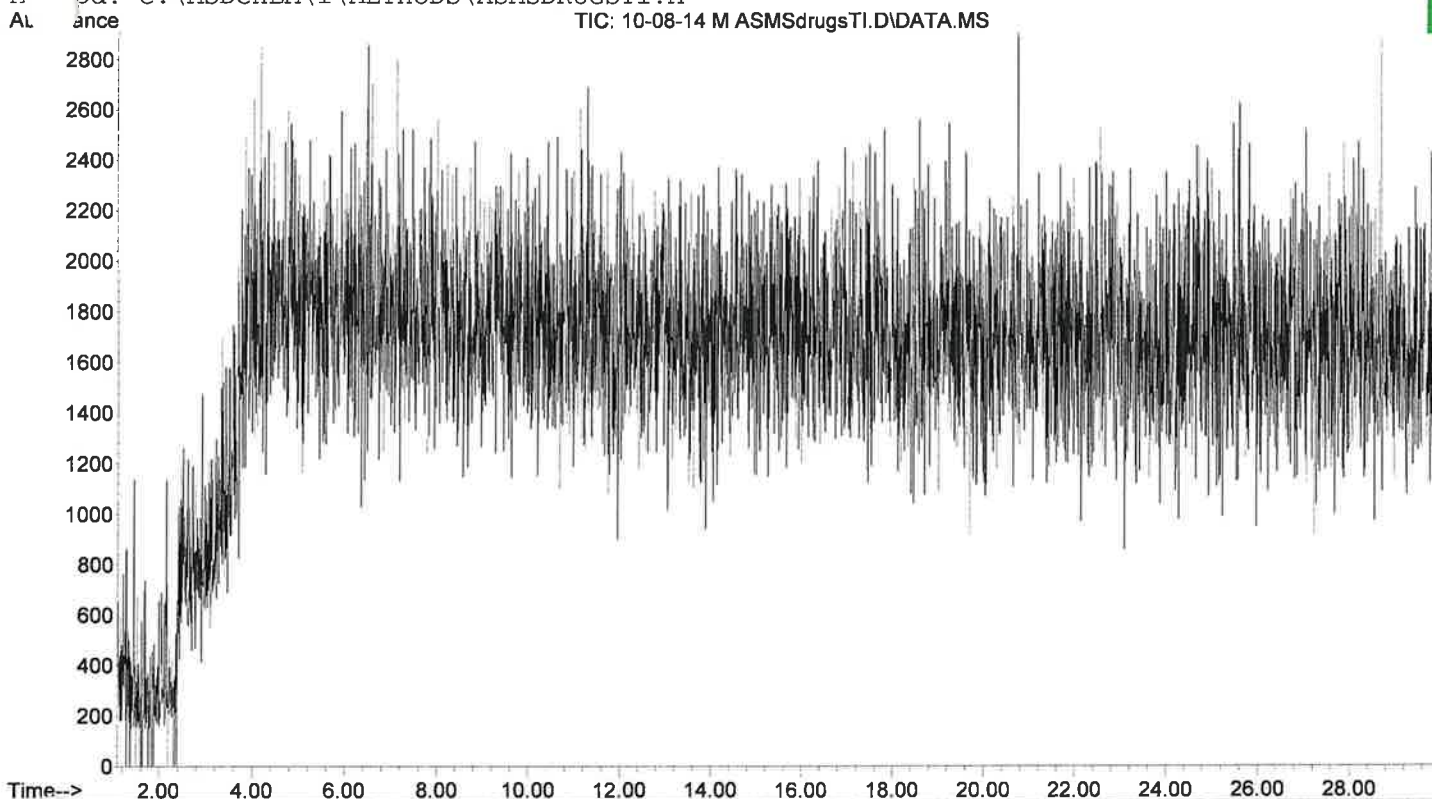
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\10-08-14 C ASMSdrugs200.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 17:21
Information: Chloroform Blank Misc. Information: Chloroform 200-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS200.M
AL Tance TIC: 10-08-14 C ASMSdrugs200.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 21.99 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\10-08-14 M ASMSdrugsTI.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 21:12
Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 30 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M

ASMSDRUGSTI



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\AMP mix ASMSdrugsTI.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

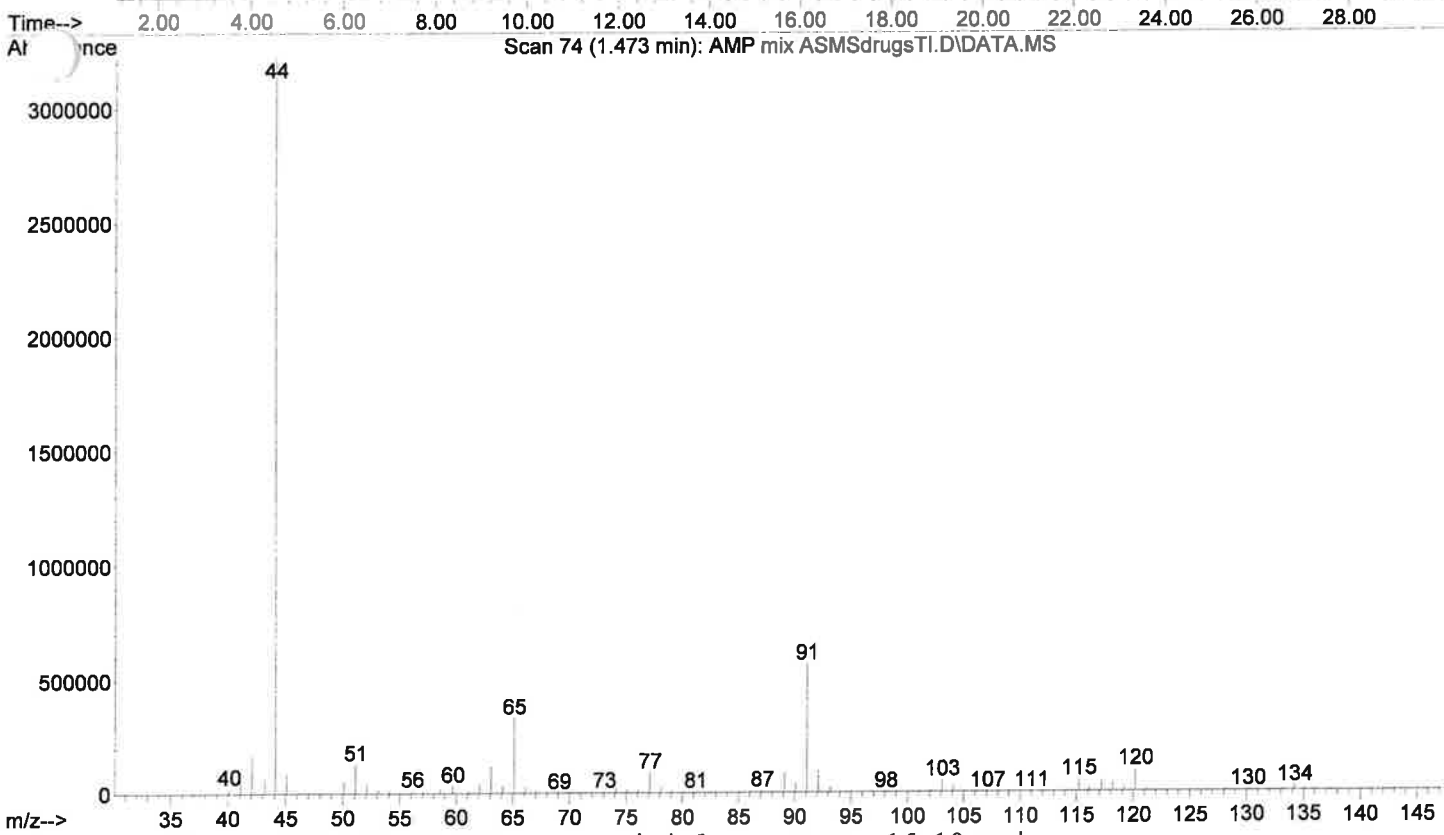
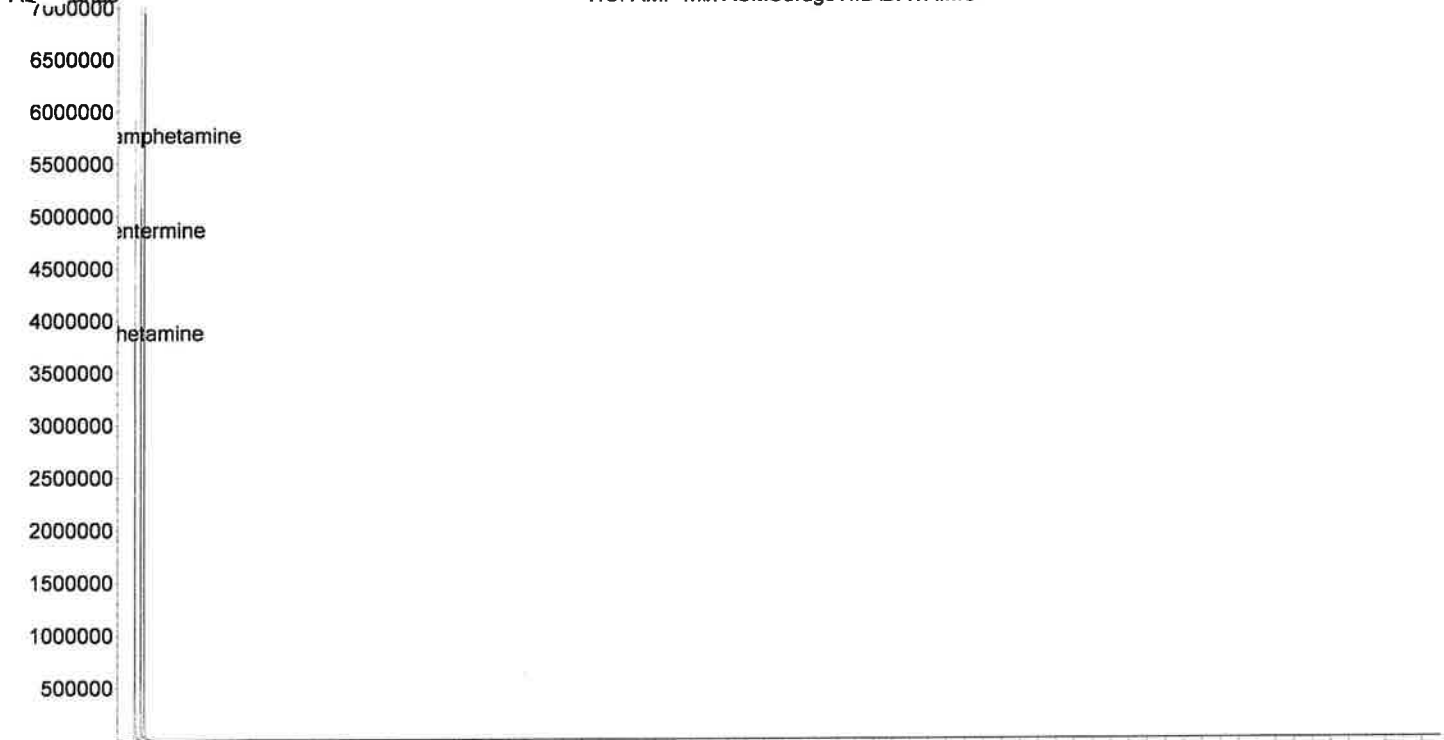
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 20:36

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @70c

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M

AL: ~~ance~~ TIC: AMP mix ASMSdrugsTI.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\AMP mix ASMSdrugsTI.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

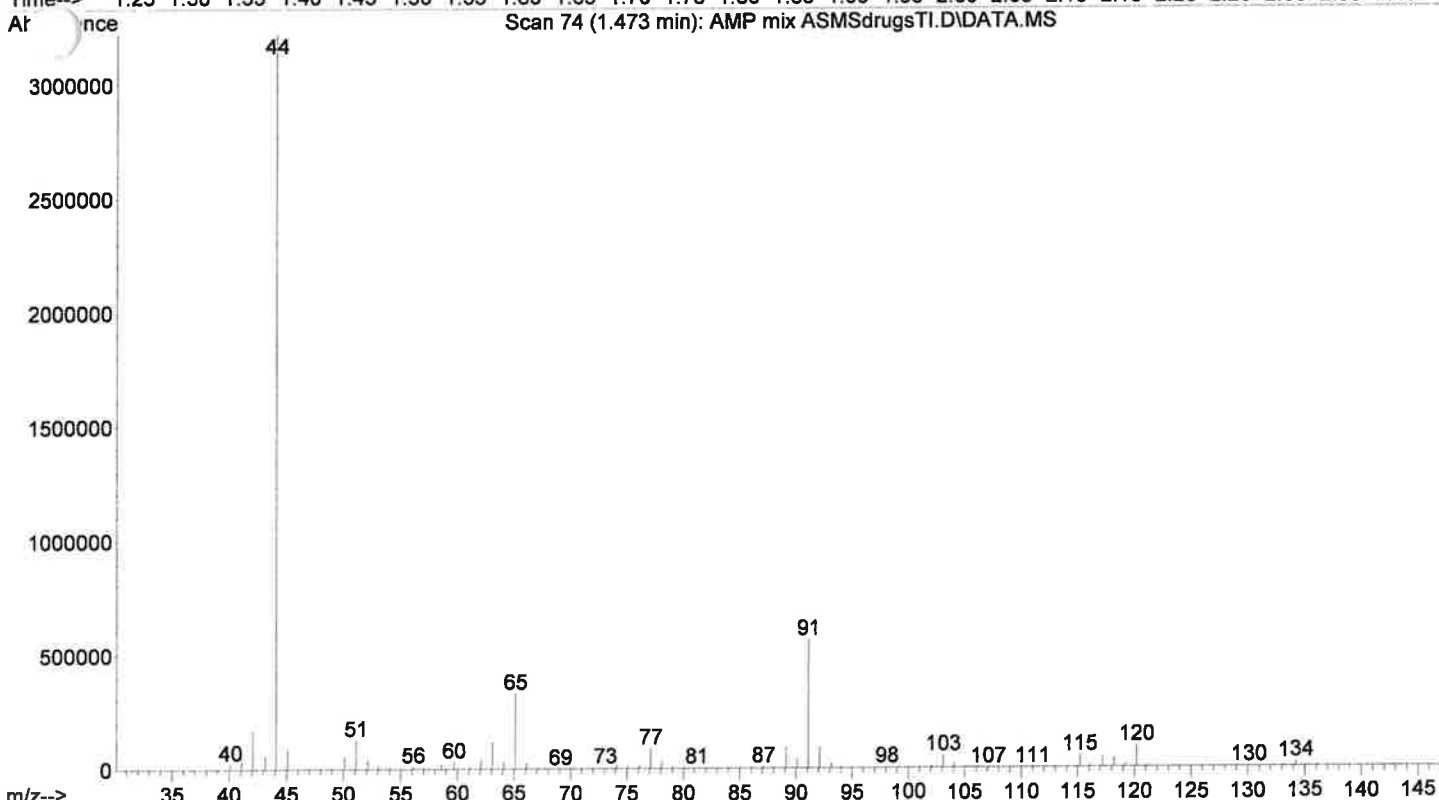
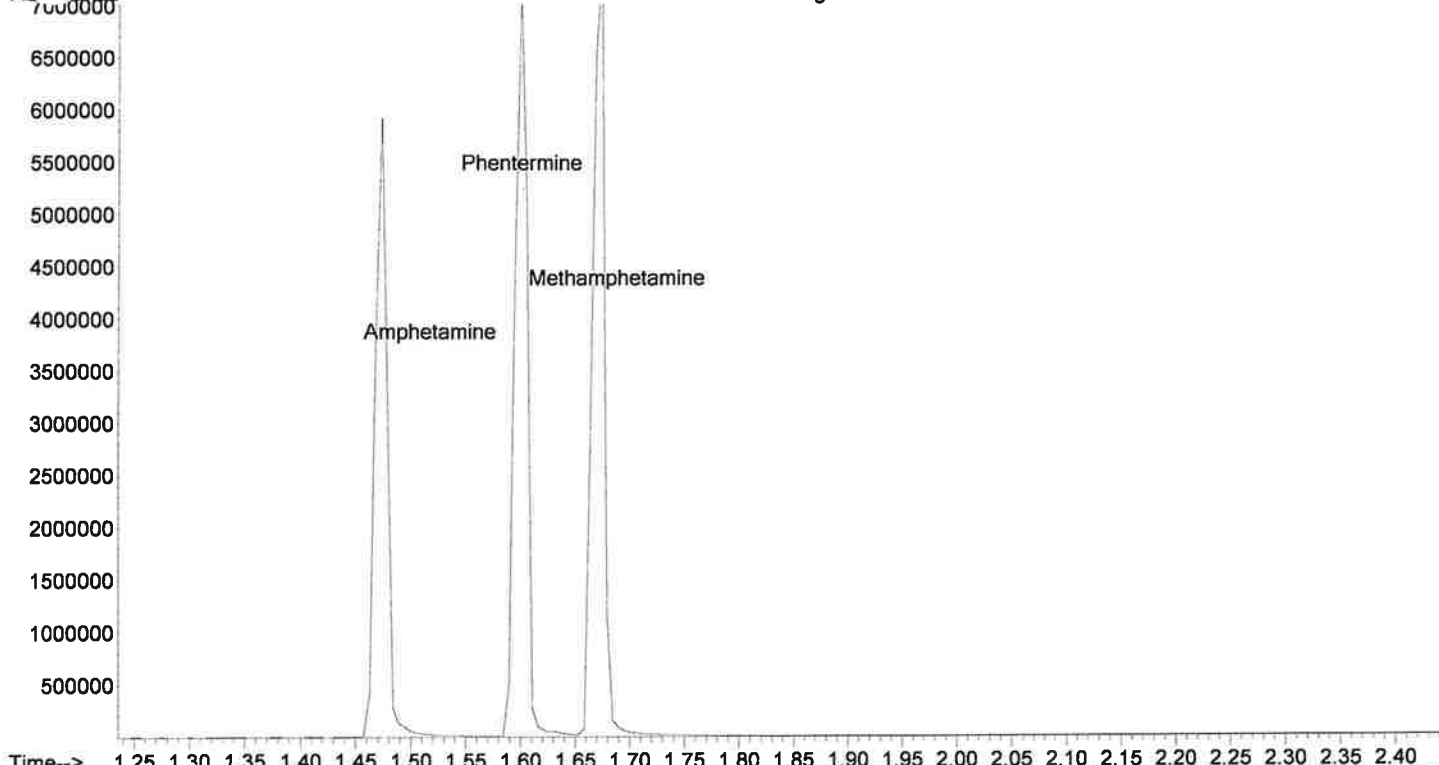
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 20:36

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @70c

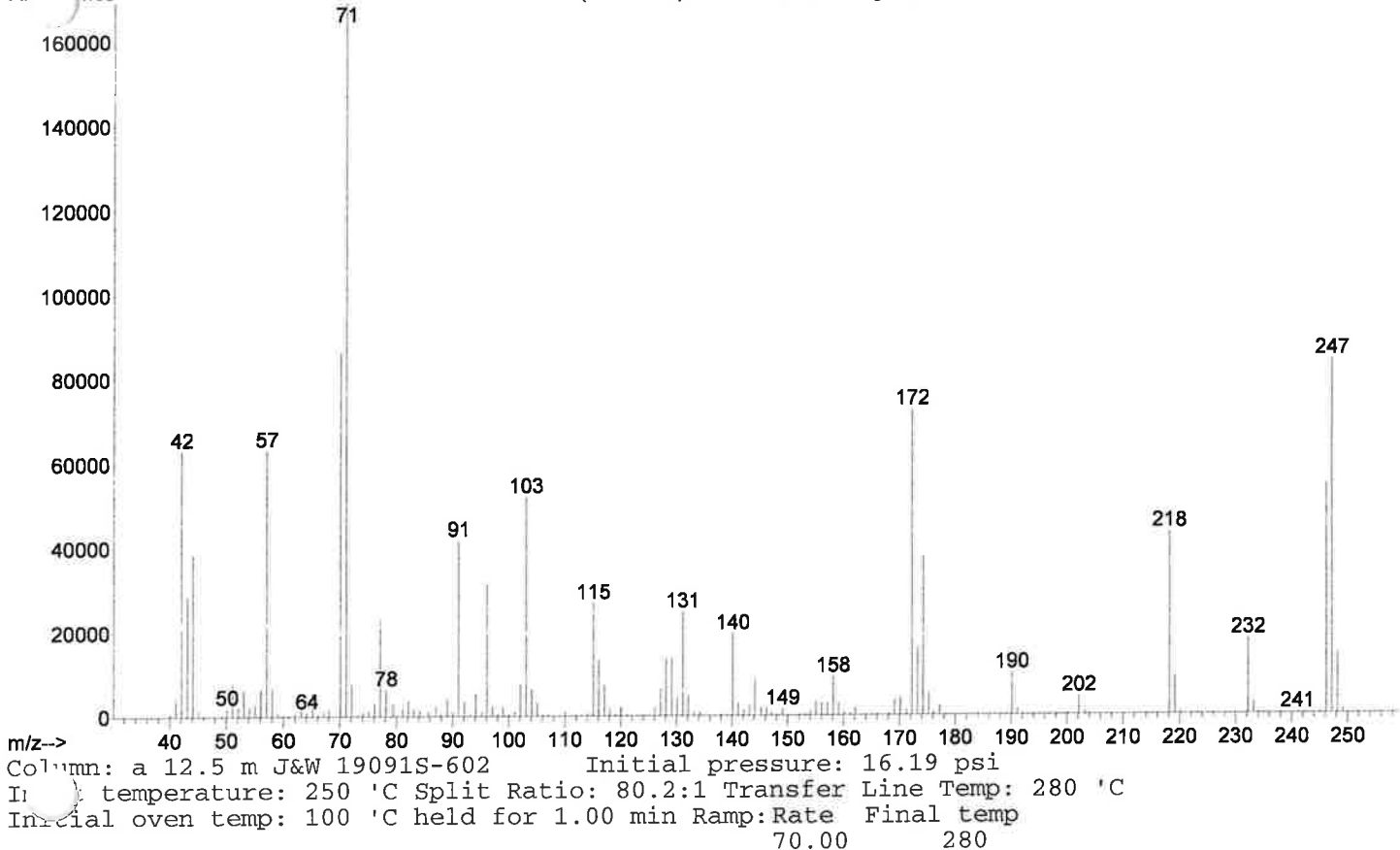
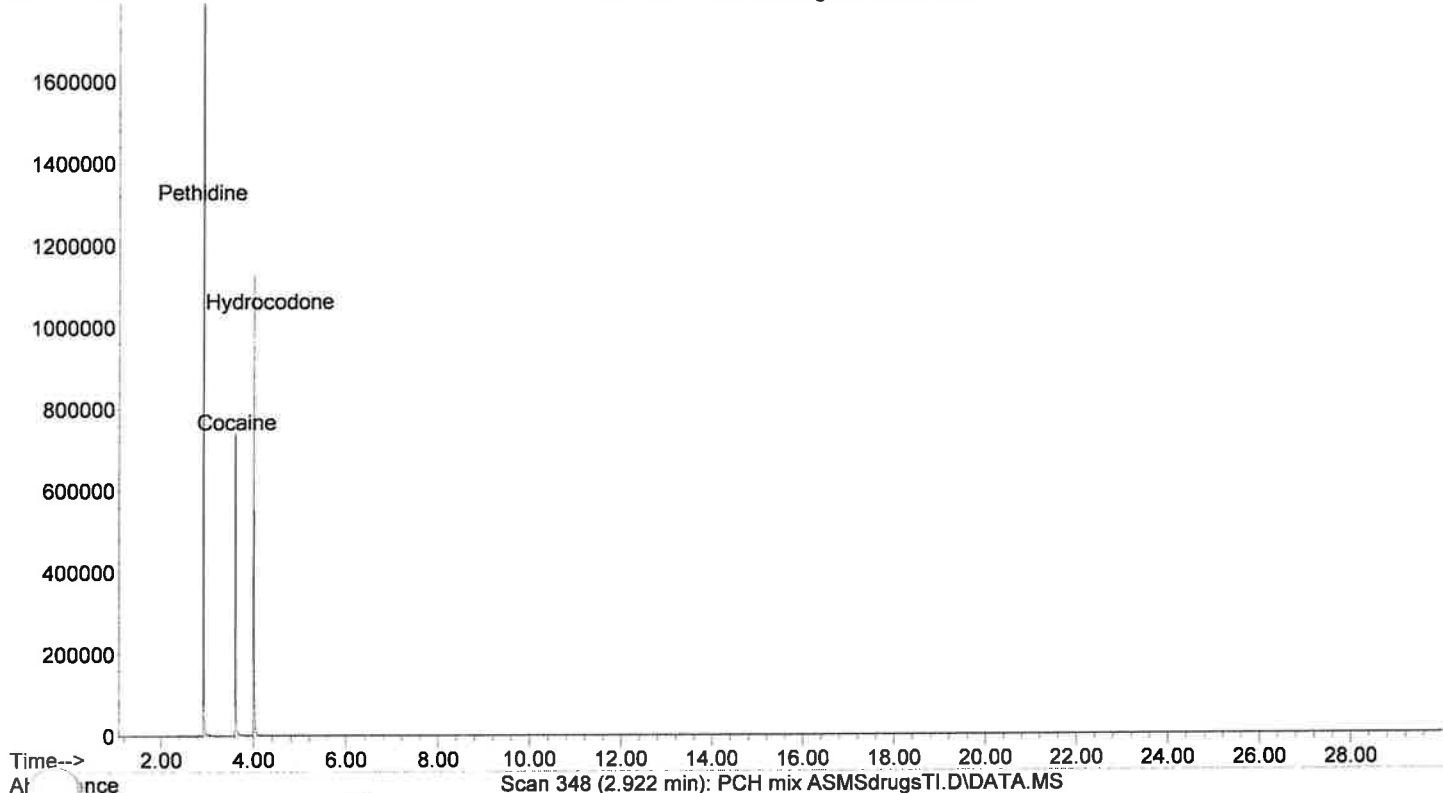
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M

AL name TIC: AMP mix ASMSdrugsTI.D\DATA.MS



Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\PCH mix ASMSdrugsTI.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 21:46
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for 30
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M
Title: PCH mix ASMSdrugsTI.D\DATA.MS



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\JNT mix ASMSdrugsTI.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

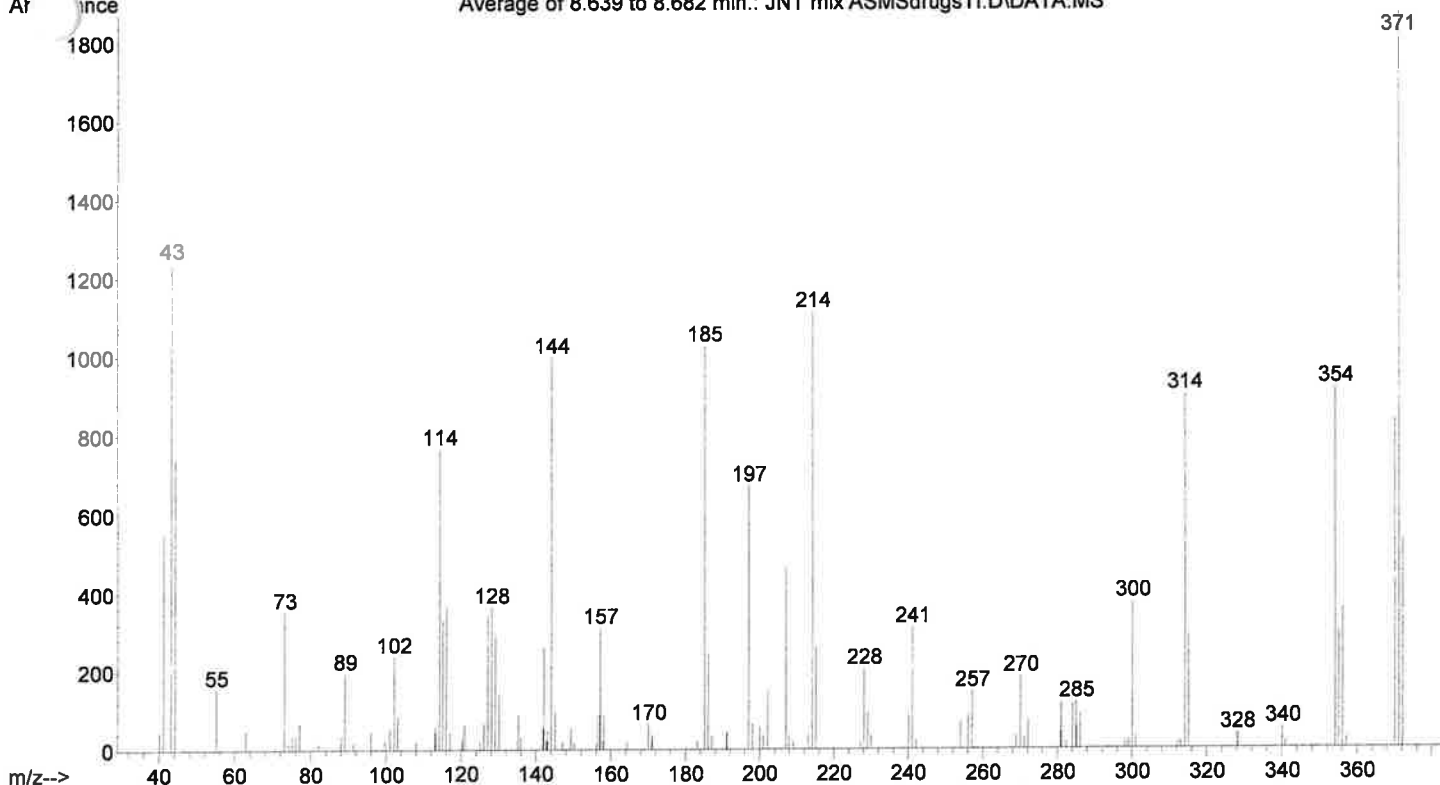
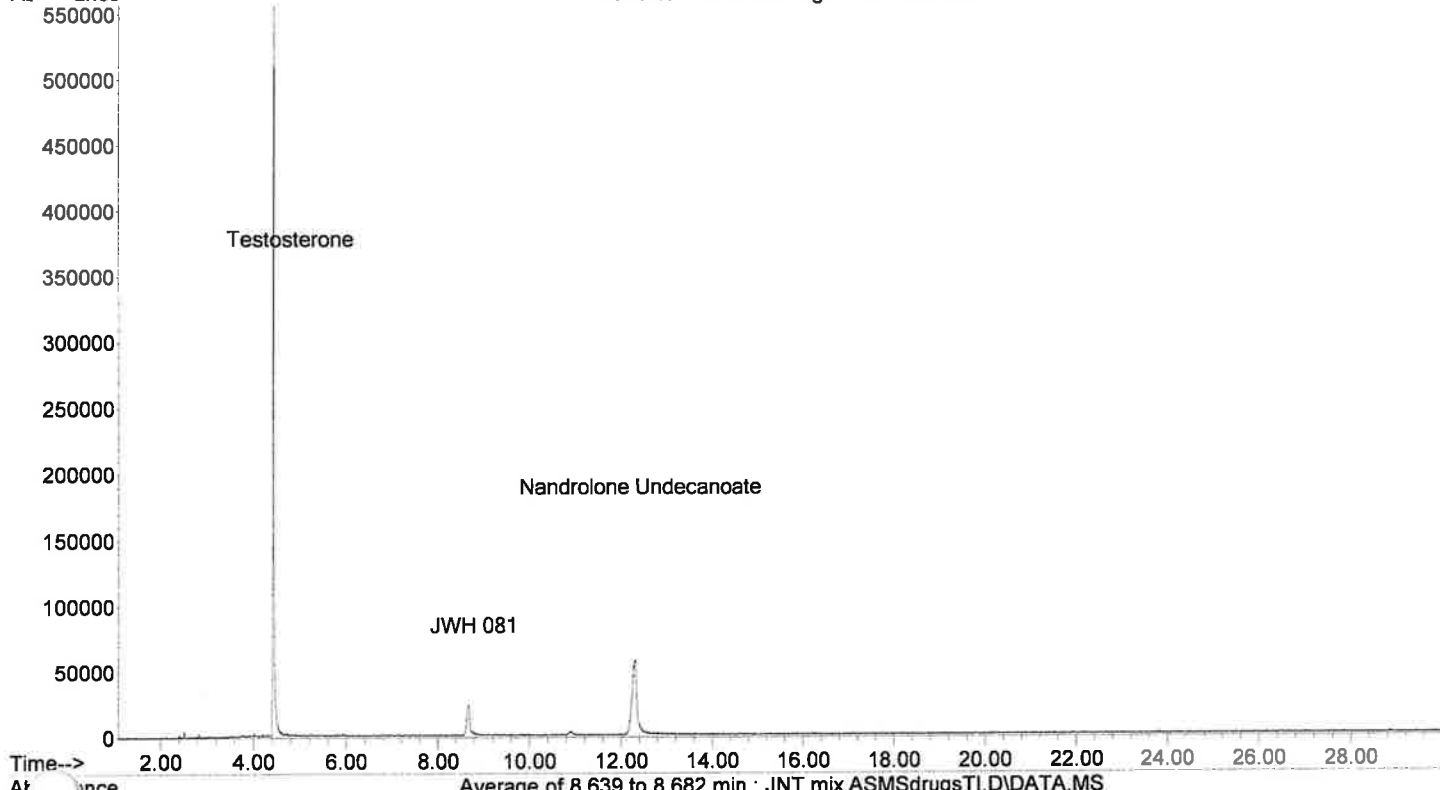
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 22:32

Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Methanol 100-280c @

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M

File: JNT mix ASMSdrugsTI.D\DATA.MS



Column: a 12.5 m J&W 19091S-602

Initial pressure: 16.19 psi

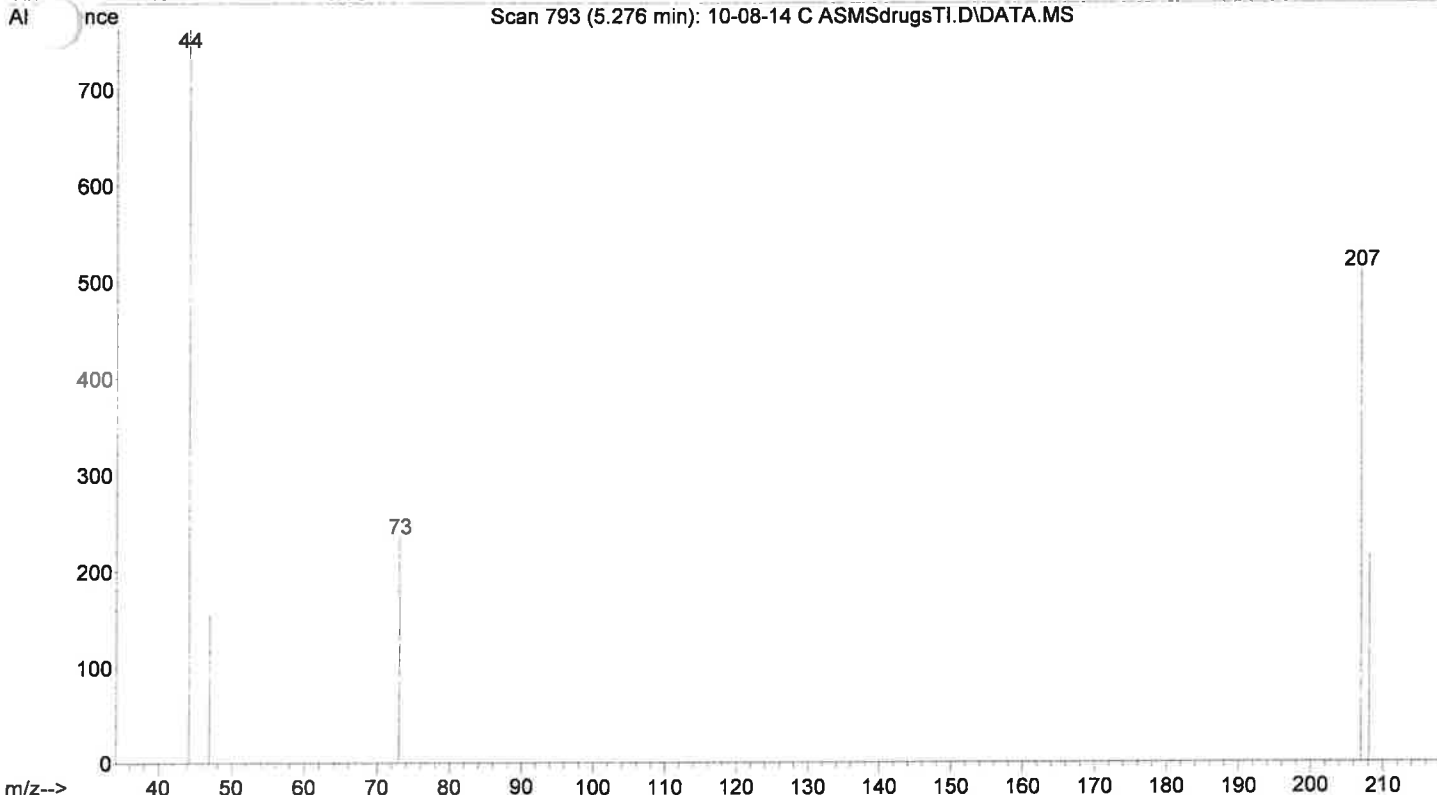
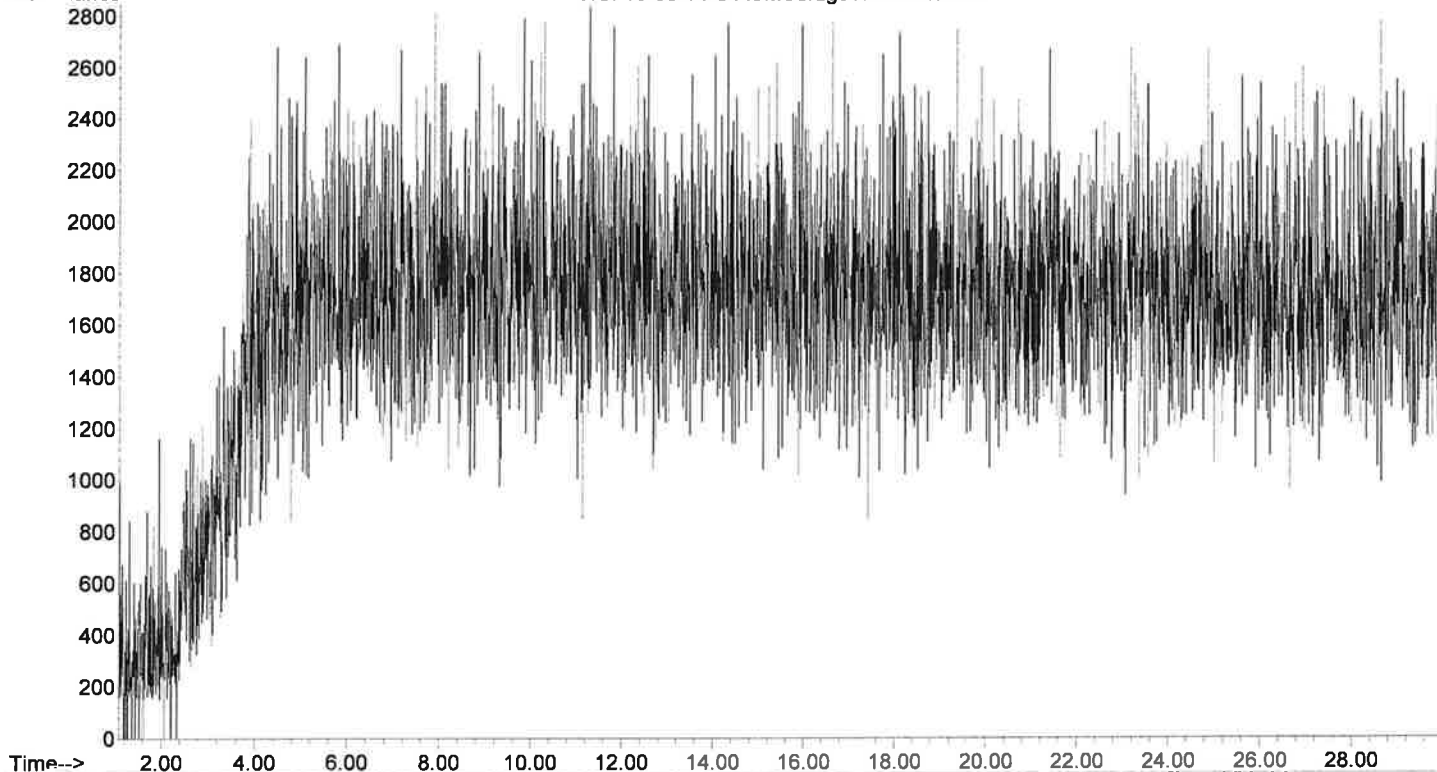
Injector temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\10-08-14 C ASMSdrugsTI.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 20:02
Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 30 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M
AL: TIC: 10-08-14 C ASMSdrugsTI.D\DATA.MS

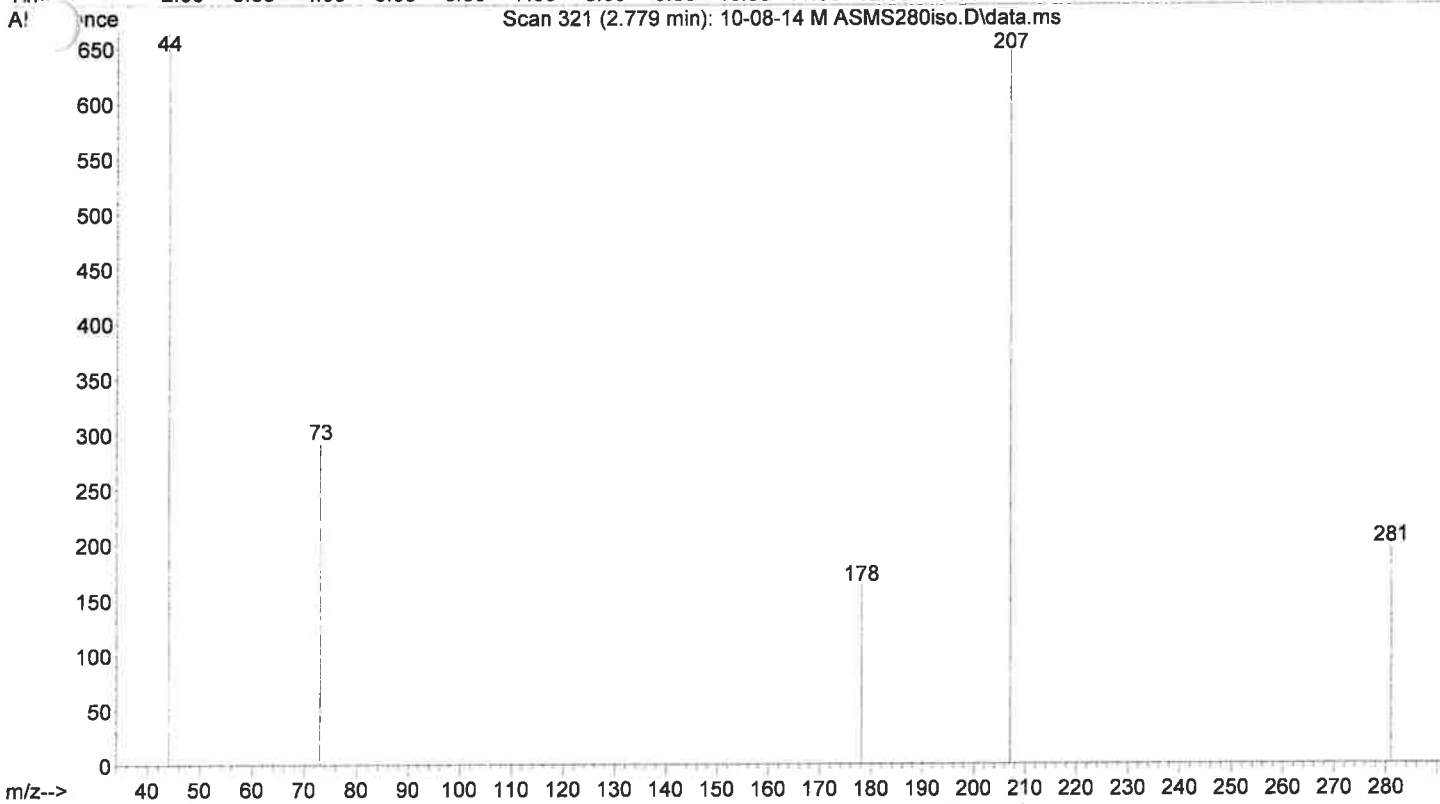
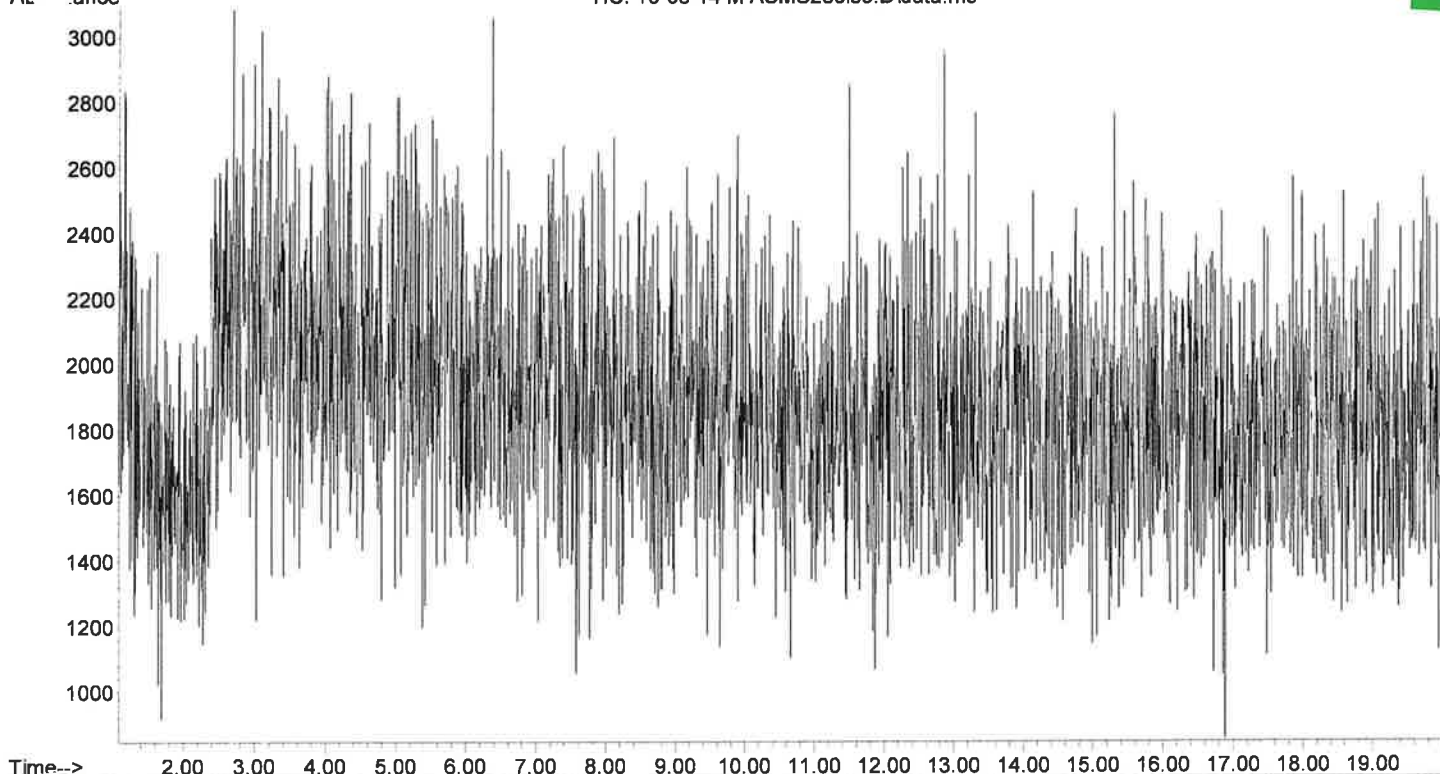


Column: a 12.5 m J&W 19091S-602 Initial pressure: 16.19 psi
Inlet temperature: 250 'C Split Ratio: 80.2:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASMS\10-08-14 M ASMS280iso.D
Instrument: Espresso (model: 5973N Serial number: US10460425)
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu
Acquired by Lela Jackson on 8 Oct 2014 23:05
Information: Methanol Blank Misc. Information: Methanol 280c for 20 min
Method: C:\MSDCHEM\1\METHODS\ASMS280ISO.M

Altance TIC: 10-08-14 M ASMS280iso.D\data.ms

ASMS280ISO



Column: a 12.5 m J&W 19091S-602 Initial pressure: 28.30 psi
Initial temperature: 250 °C Split Ratio: 200:1 Transfer Line Temp: 280 °C
Initial oven temp: 280 °C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASMS\JNT mix ASMS280iso.D

Instrument: Espresso (model: 5973N Serial number: US10460425)

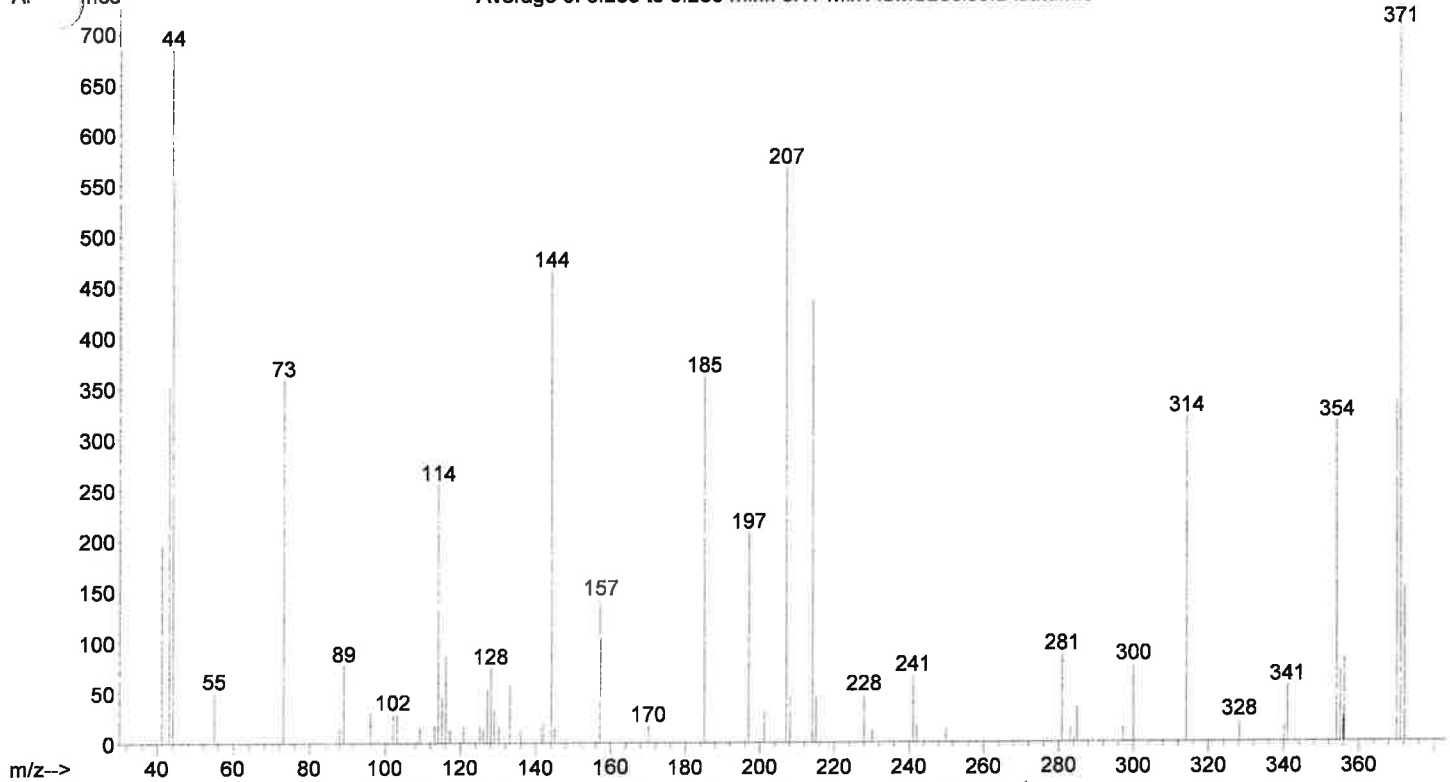
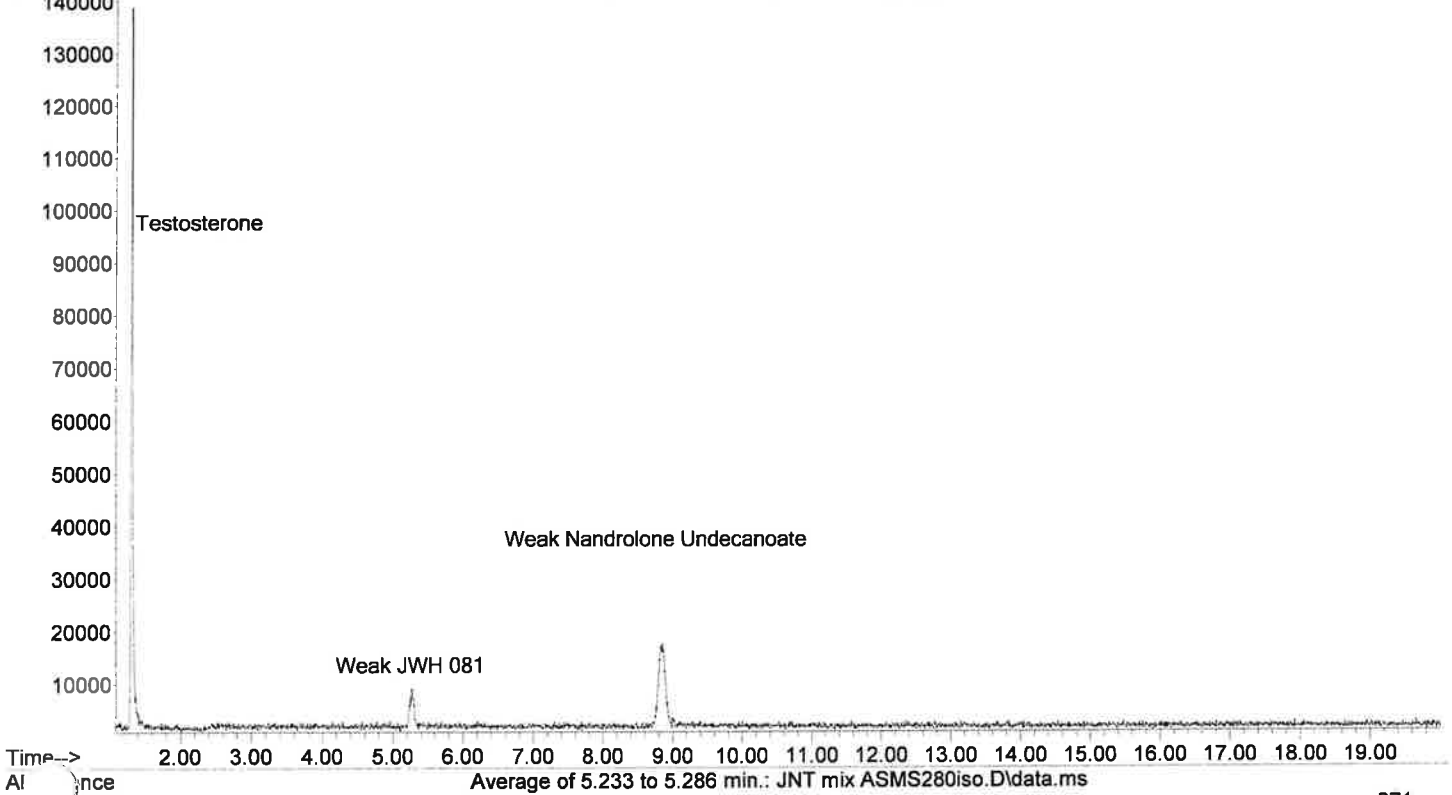
Tuned on 2 Oct 2014 12:05 pm Scanned from 40.00 to 500.00 amu

Acquired by Lela Jackson on 8 Oct 2014 23:28

Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Methanol 280c for 20

Method: C:\MSDCHEM\1\METHODS\ASMS280ISO.M

File: JNT mix ASMS280iso.D\data.ms



Column: a 12.5 m J&W 19091S-602

Initial pressure: 28.30 psi

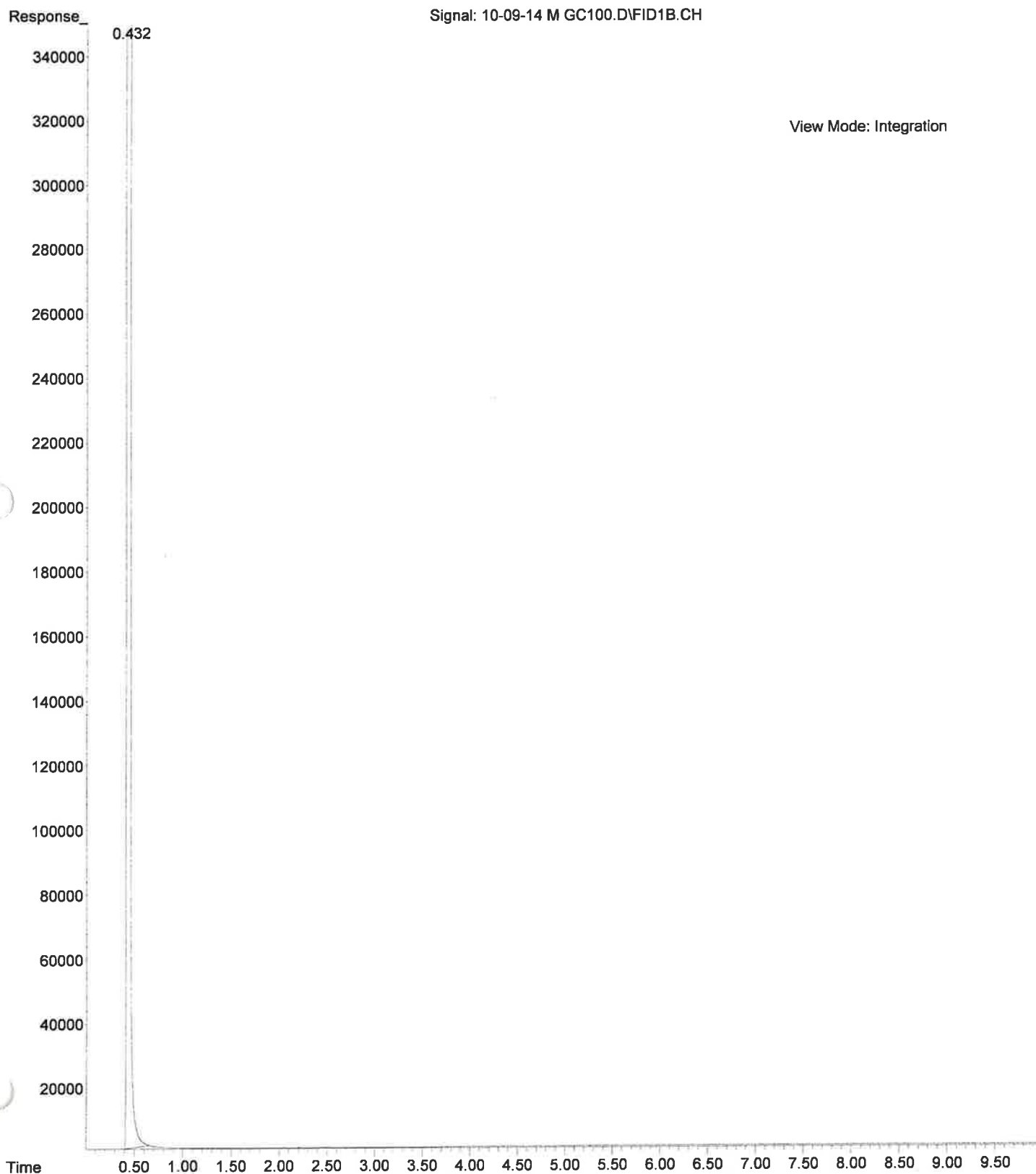
Initial temperature: 250 °C Split Ratio: 200:1 Transfer Line Temp: 280 °C

Initial oven temp: 280 °C held for 1.00 min Ramp: Rate Final temp

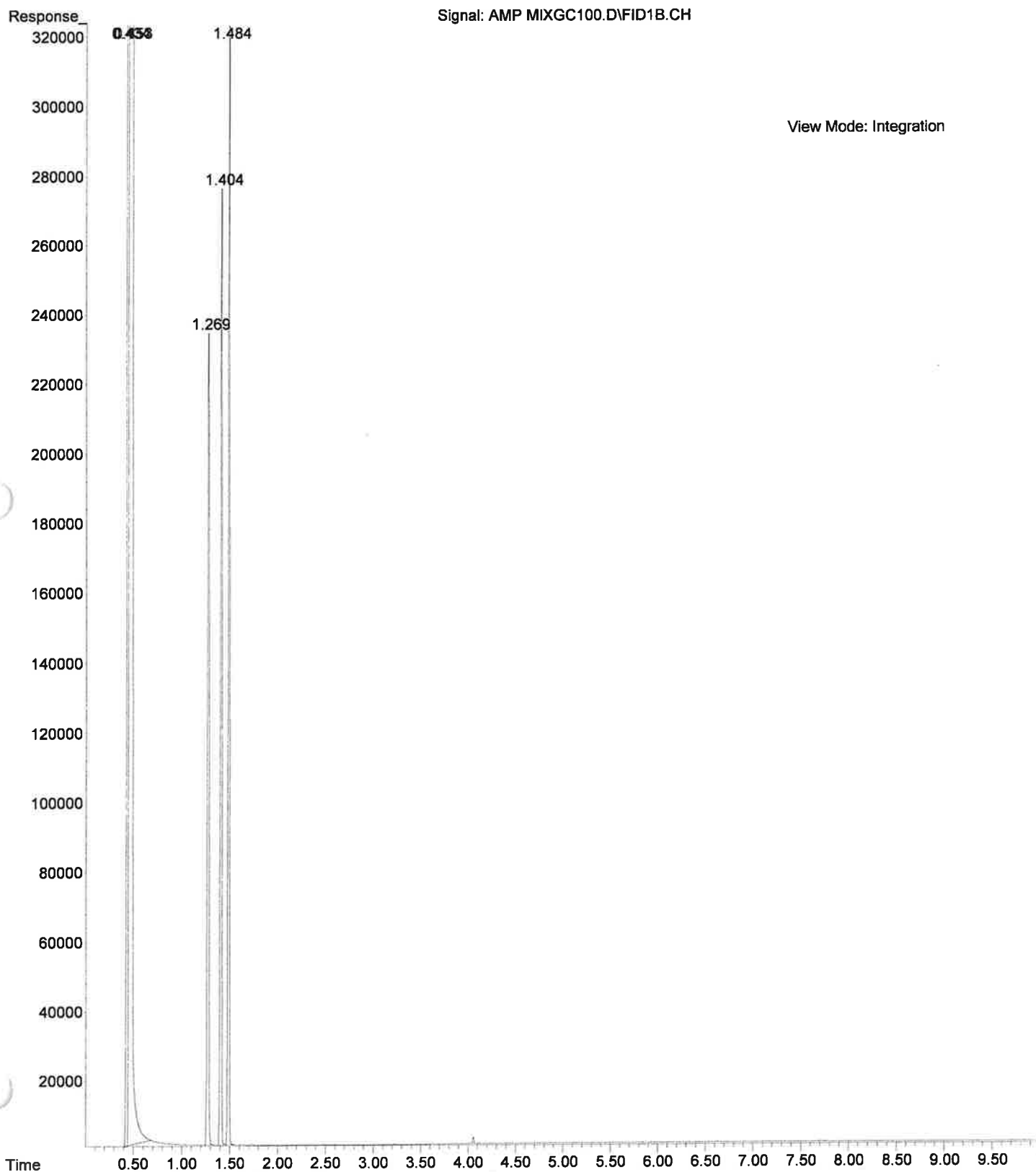
70.00 280

File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-09-14 M GC100.D
Operator : Lela Jackson
Acquired : 09 Oct 2014 14:28 using AcqMethod GC100.M
Instrument : HP G1530A
Sample Name: Methanol Blank
Misc Info : Methanol 100-280c for 10 min
Vial Number: 5

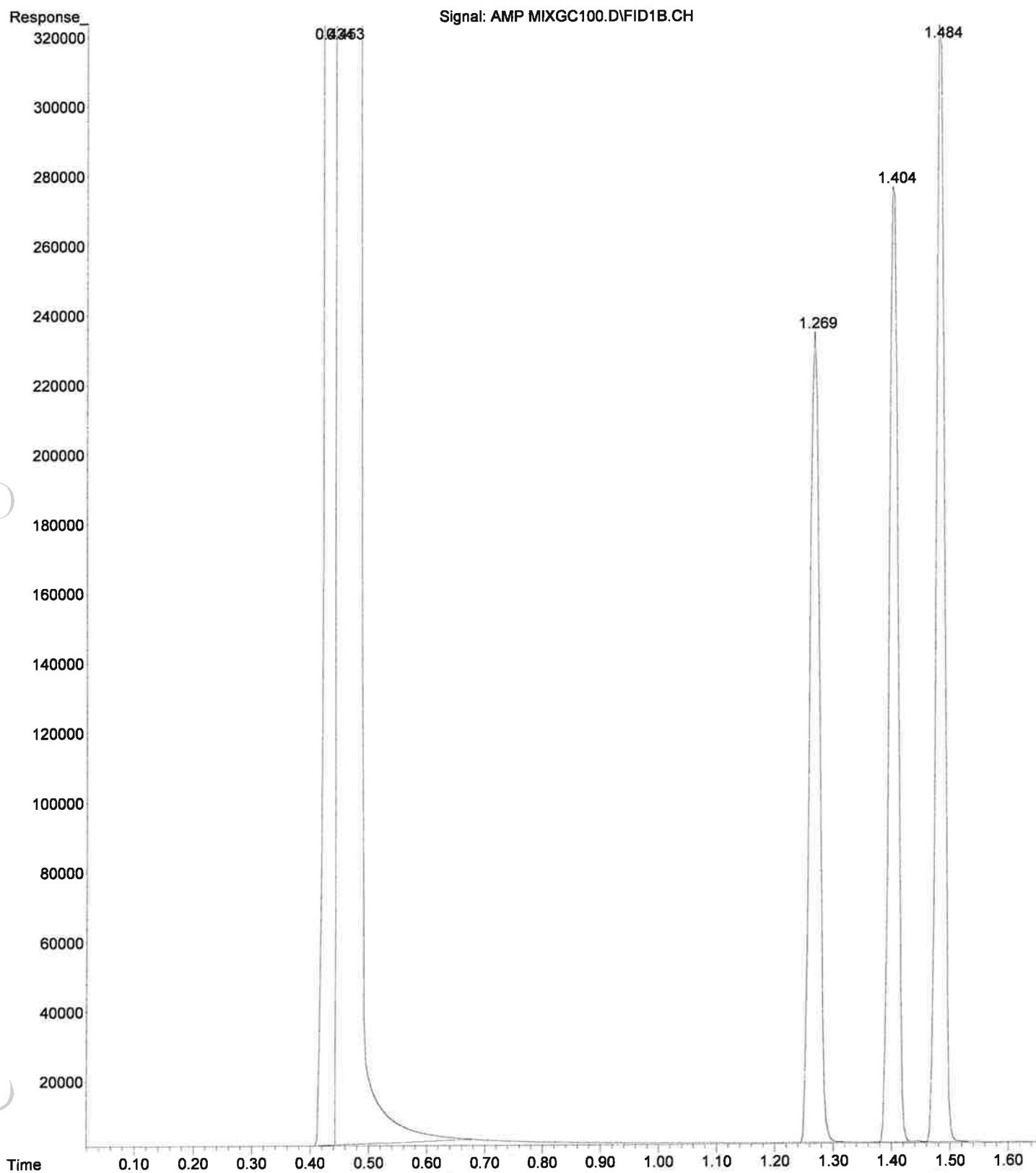
GC100



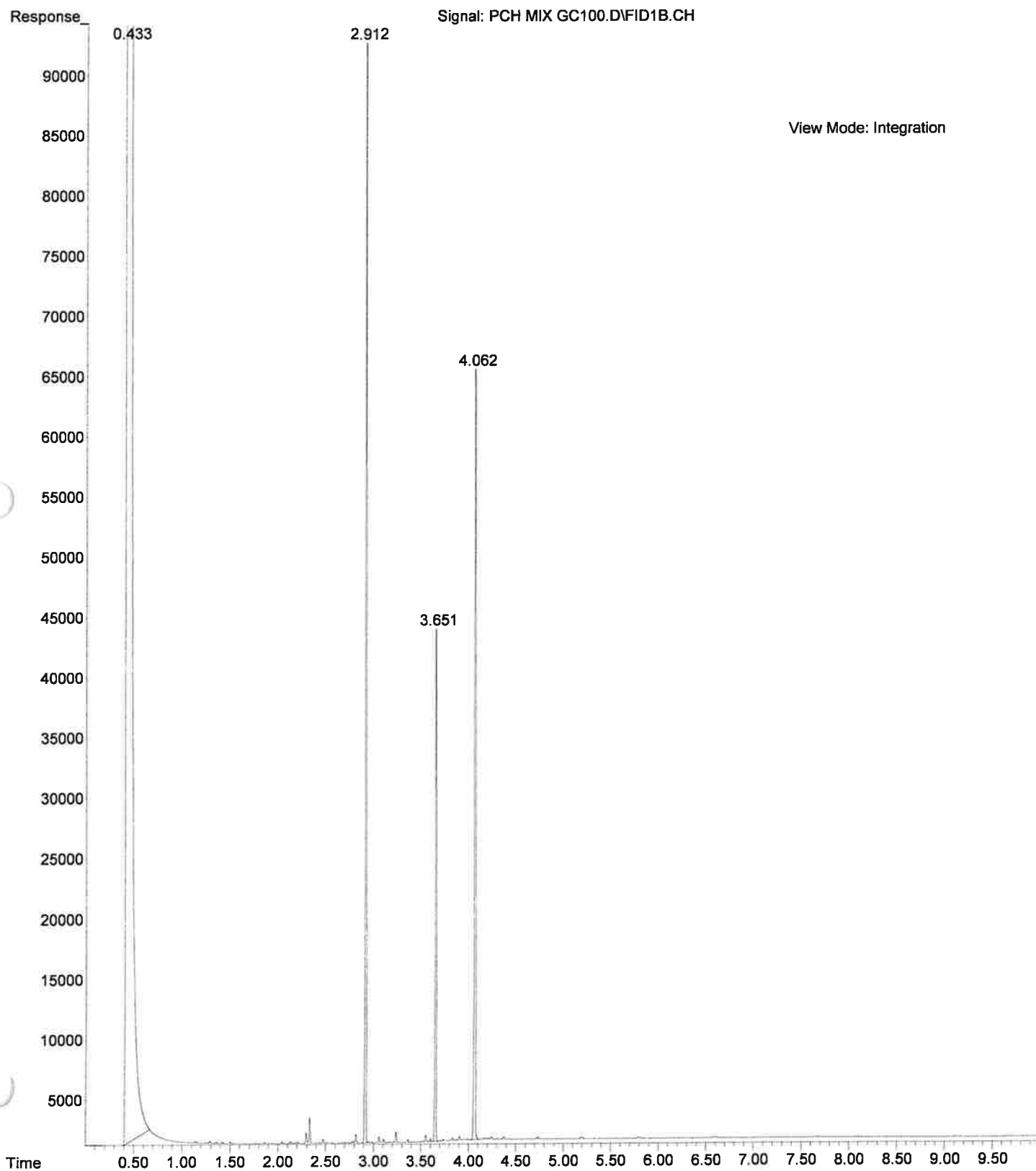
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\AMP MIXGC100.D
Operator : Lela Jackson
Acquired : 09 Oct 2014 9:31 using AcqMethod GC100.M
Instrument : HP G1530A
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min
Vial Number: 2



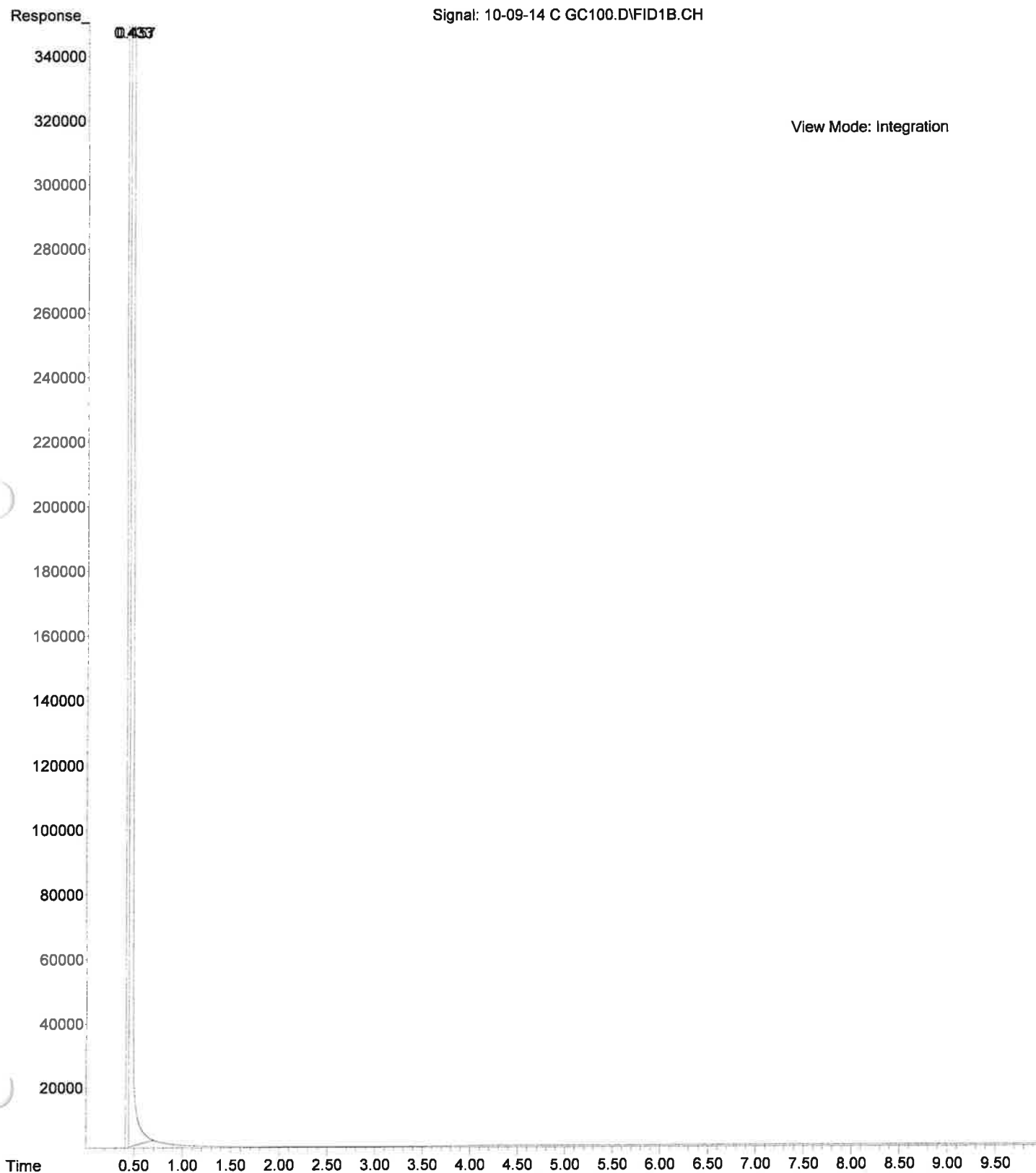
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\AMP MIXGC100.D
Operator : Lela Jackson
Acquired : 09 Oct 2014 9:31 using AcqMethod GC100.M
Instrument : HP G1530A
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min
Vial Number: 2



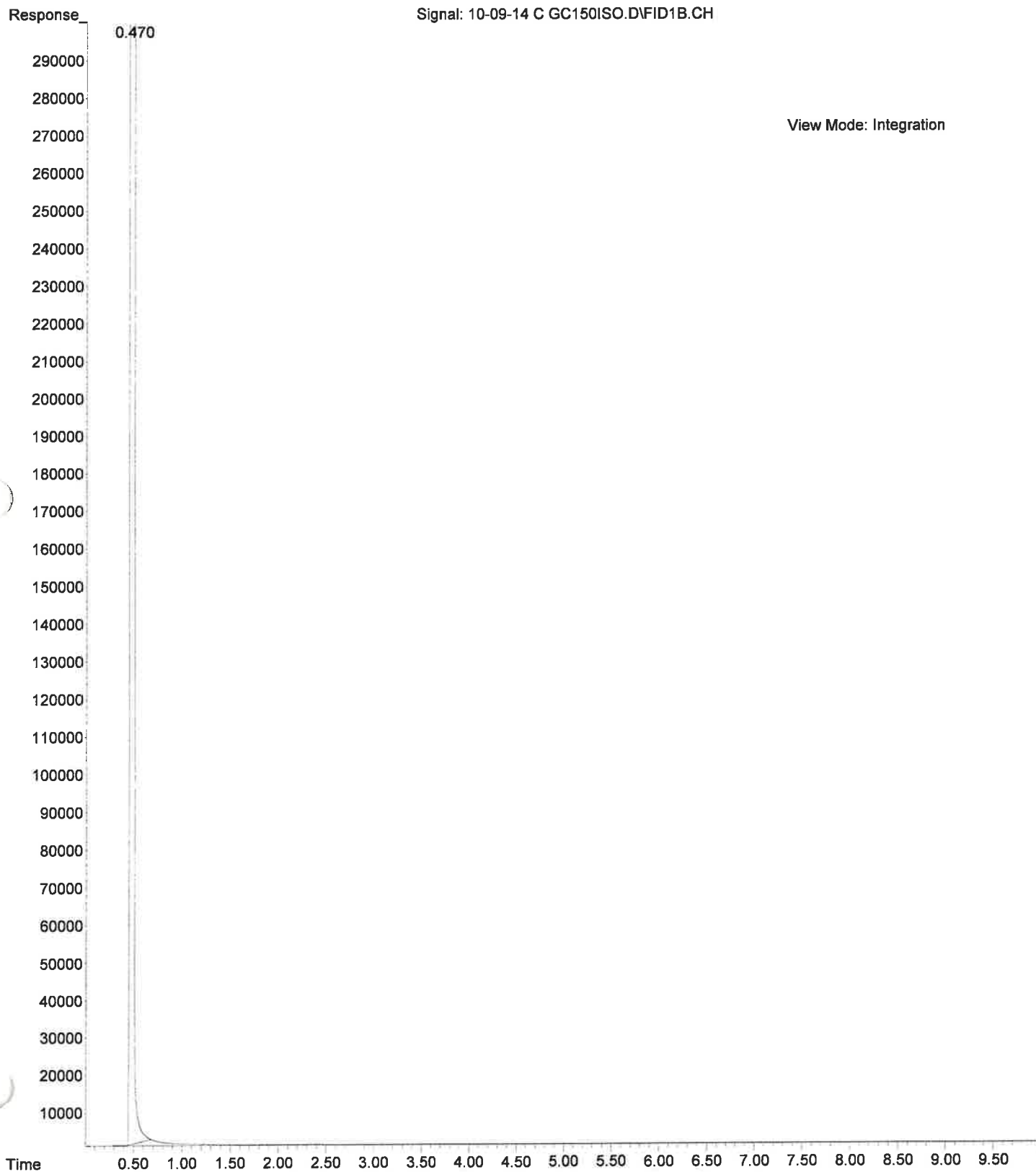
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\PCH MIX GC100.D
Operator : Lela Jackson
Acquired : 09 Oct 2014 14:41 using AcqMethod GC100.M
Instrument : HP G1530A
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c for 10 min
Vial Number: 5



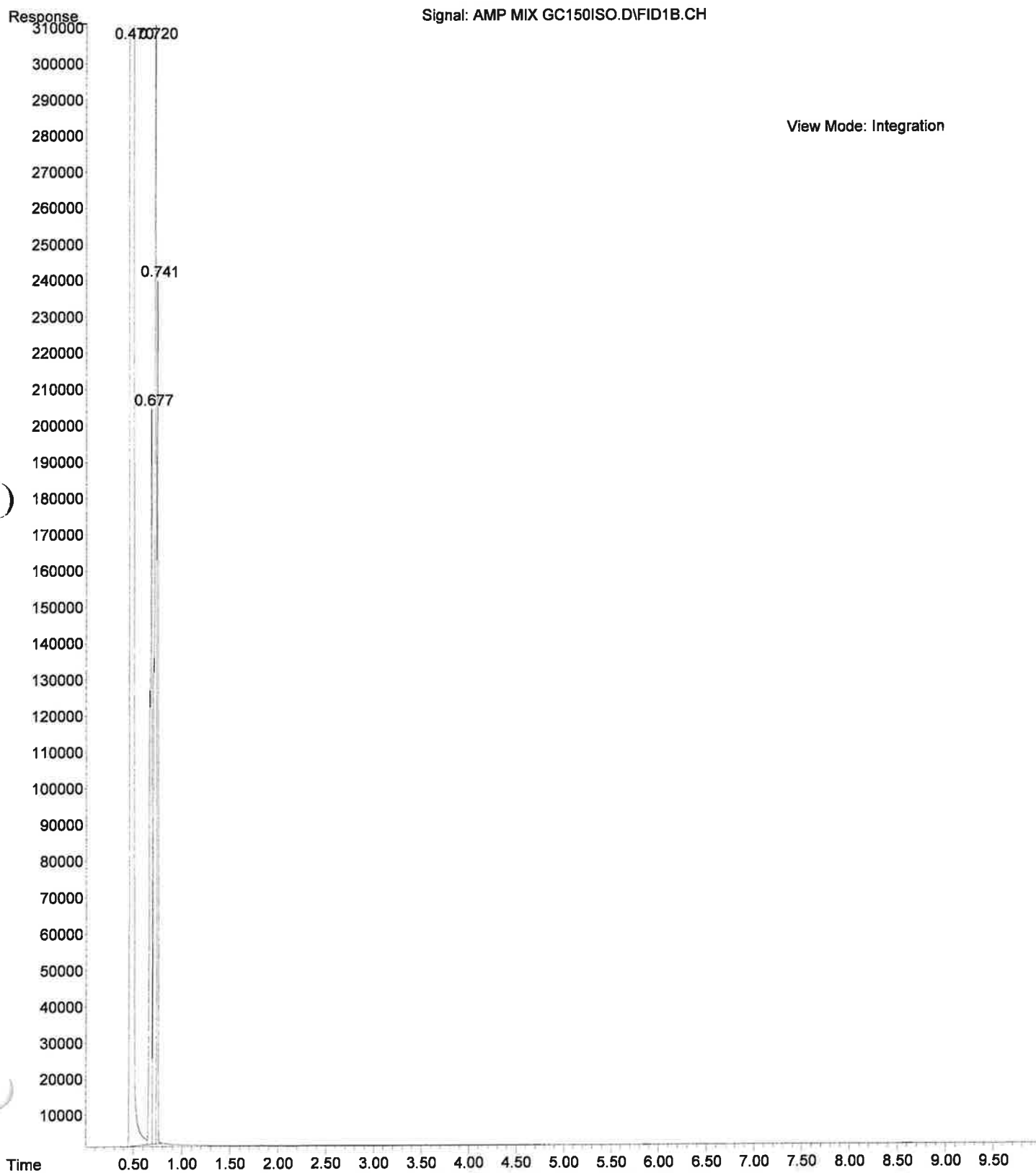
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-09-14 C GC100.D
Operator : Lela Jackson
Acquired : 09 Oct 2014 9:16 using AcqMethod GC100.M
Instrument : HP G1530A
Sample Name: Chloroform blank
Misc Info : Chloroform 100-280c @70c/min for 10 min
Vial Number: 2



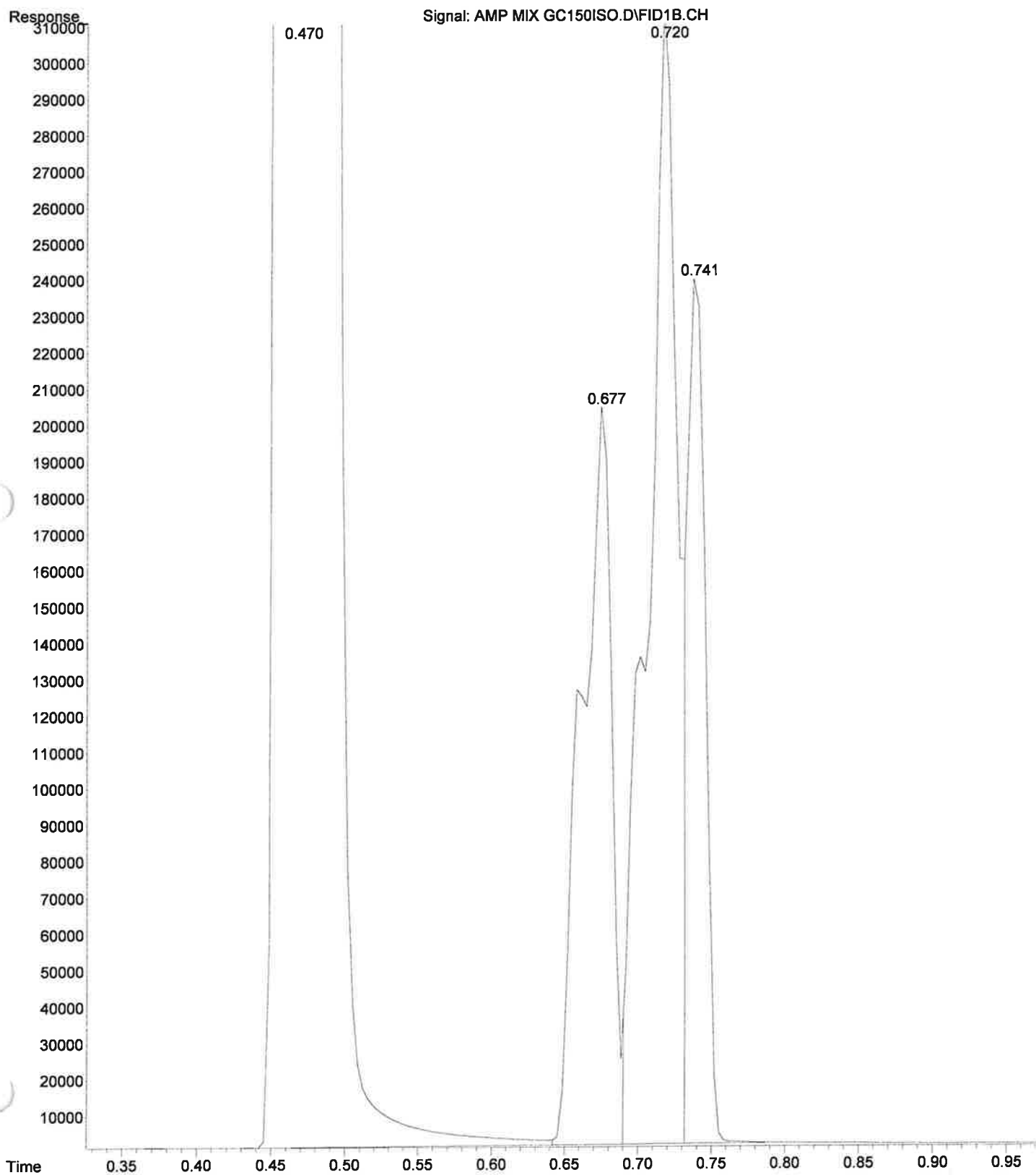
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-09-14 C GC150ISO.D
Operator : Lela Jackson
Acquired : 09 Oct 2014 14:58 using AcqMethod GC150ISO.M
Instrument : HP G1530A
Sample Name: Chloroform Blank
Misc Info : Chloroform 150c for 10 min
Vial Number: 5



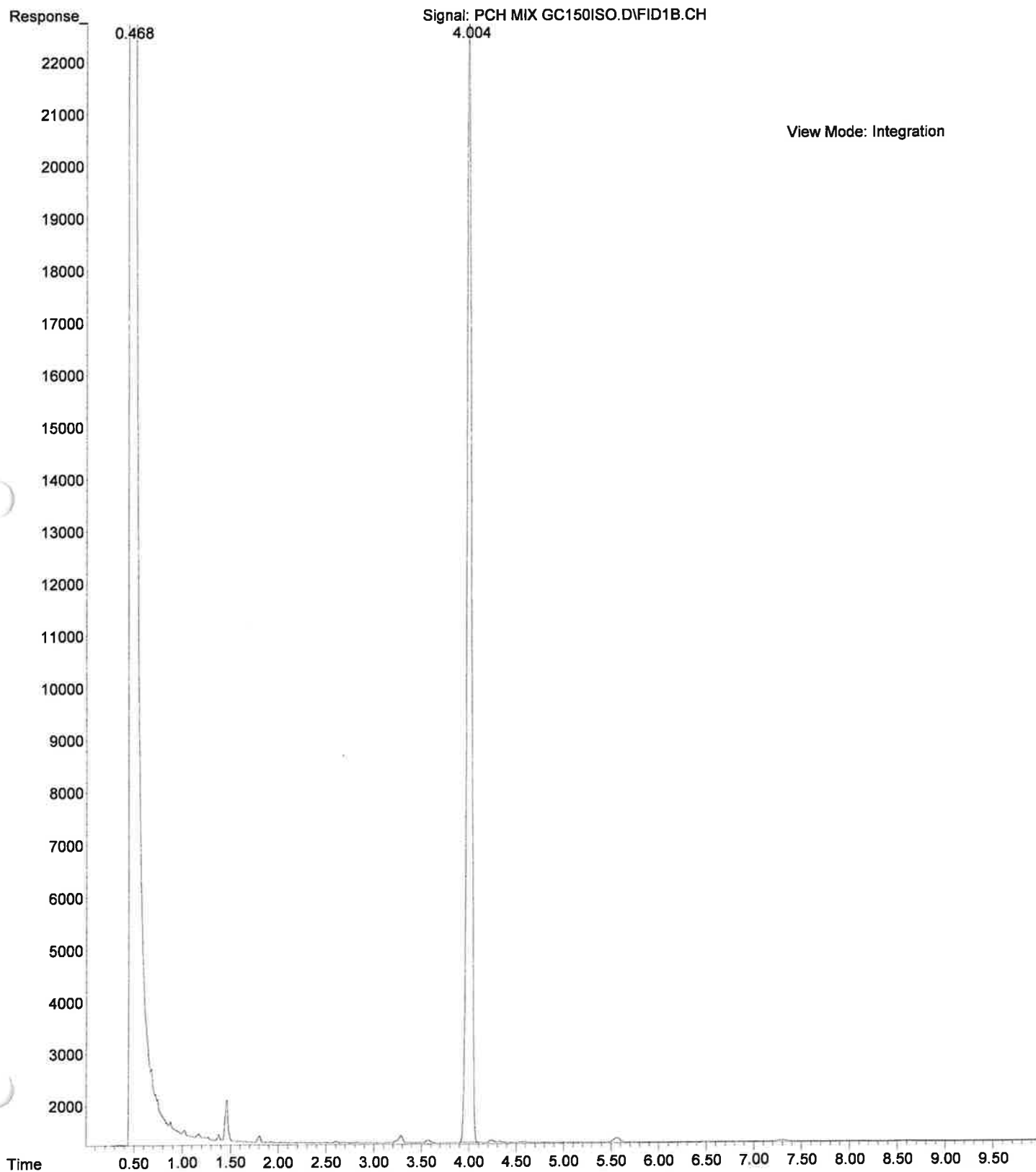
File :C:\msdchem\1\DATA\IJ\Nashville 2014\OCT\AMP MIX GC150ISO.D
Operator : Lela Jackson
Acquired : 09 Oct 2014 15:09 using AcqMethod GC150ISO.M
Instrument : HP G1530A
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min
Vial Number: 5



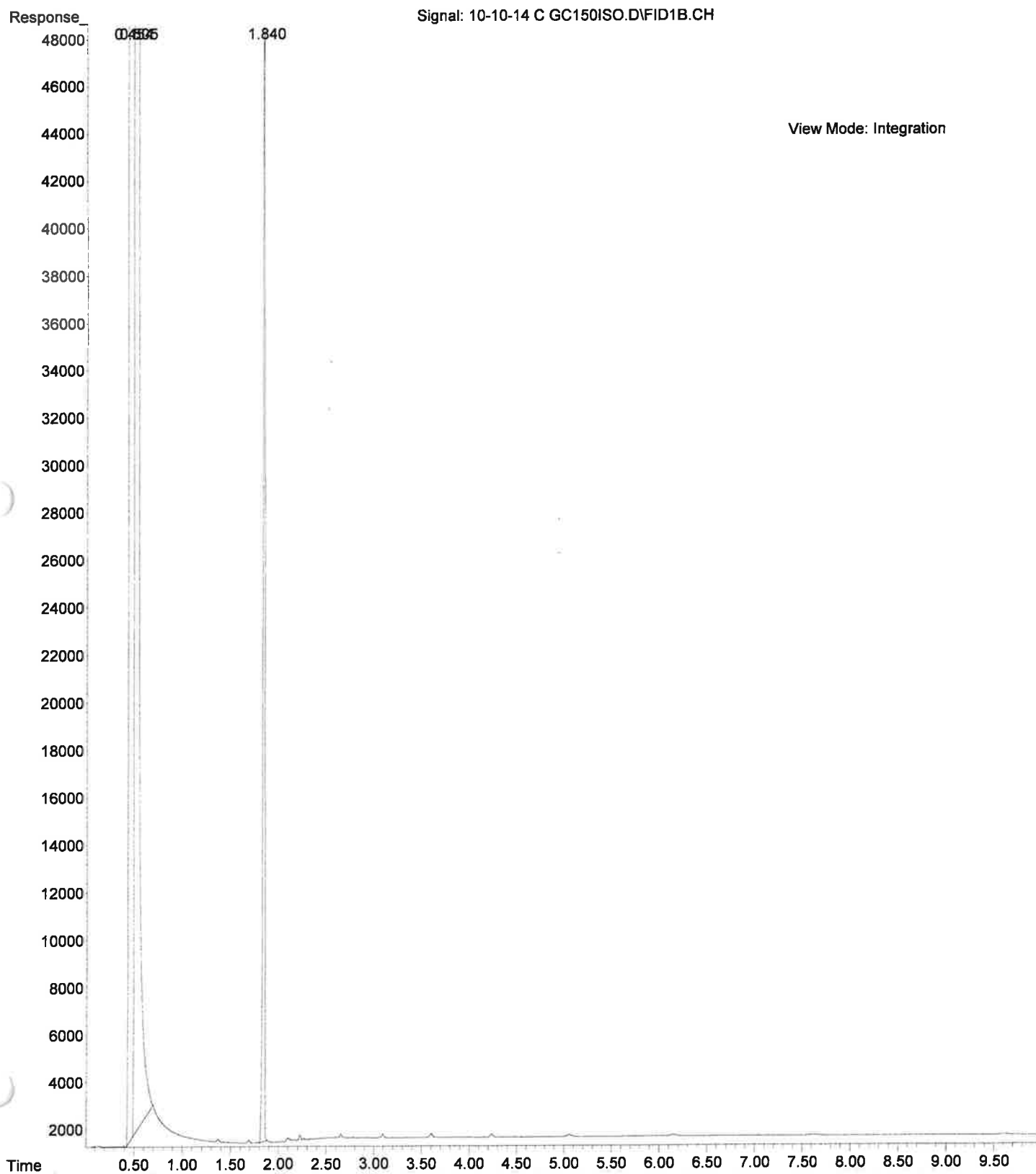
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\AMP MIX GC150ISO.D
Operator : Lela Jackson
Acquired : 09 Oct 2014 15:09 using AcqMethod GC150ISO.M
Instrument : HP G1530A
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min
Vial Number: 5



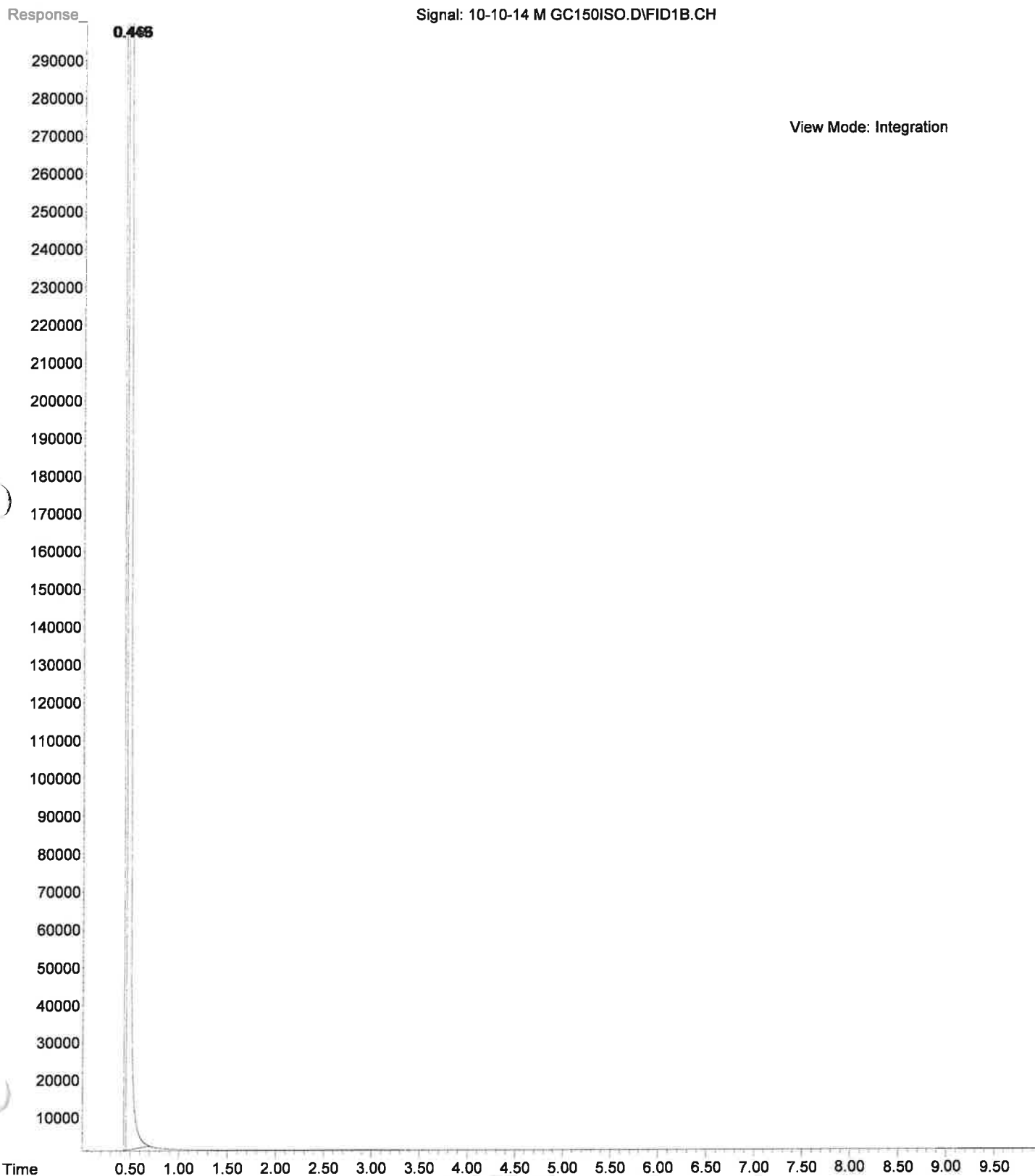
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\PCH MIX GC150ISO.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 7:29 using AcqMethod GC150ISO.M
Instrument : HP G1530A
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 min
Vial Number: 5



File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-10-14 C GC150ISO.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 7:44 using AcqMethod GC200.M
Instrument : HP G1530A
Sample Name: Chloroform Blank
Misc Info : Chloroform 150c for 10 min
Vial Number: 5



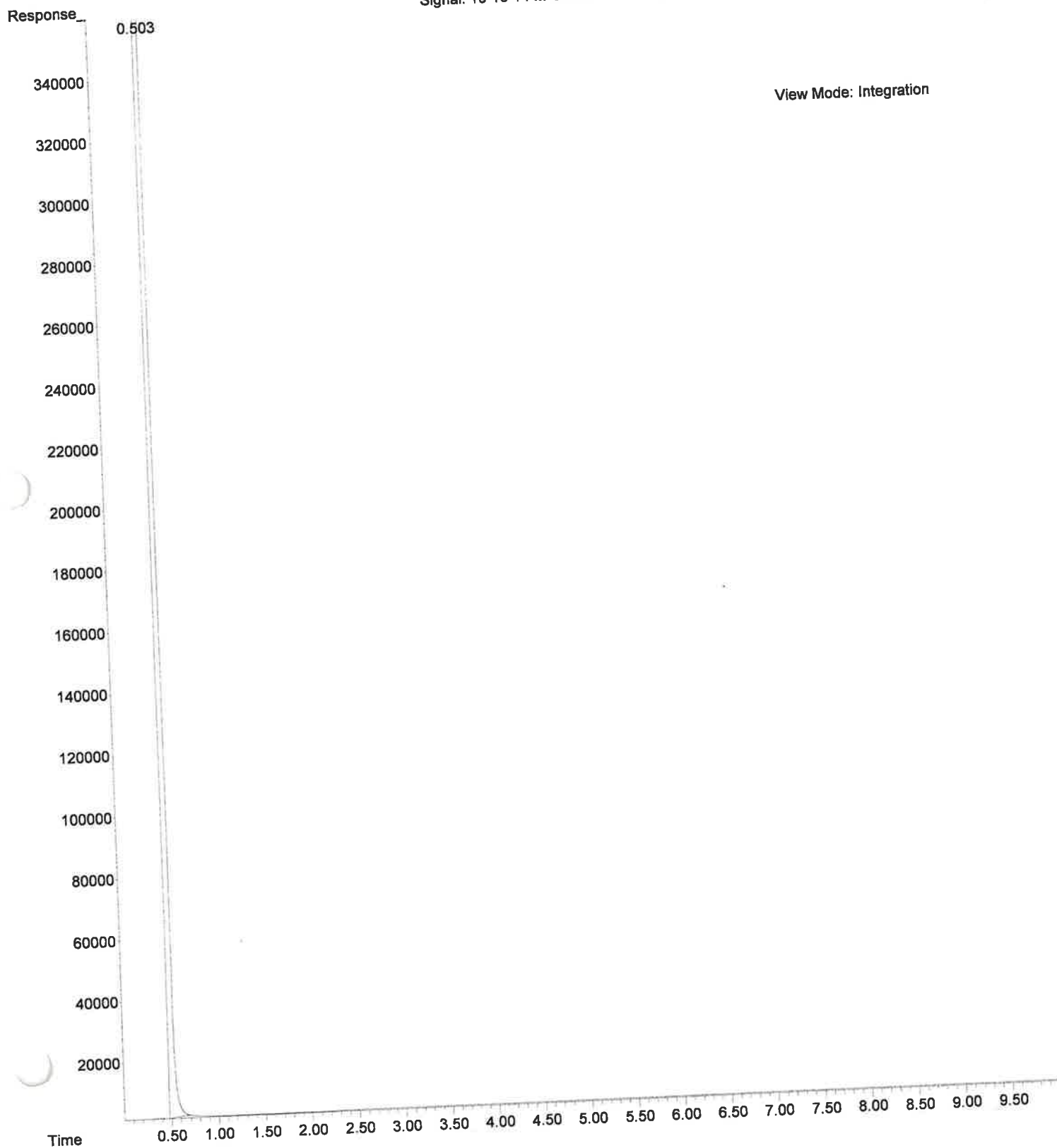
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-10-14 M GC150ISO.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 7:15 using AcqMethod GC150ISO.M
Instrument : HP G1530A
Sample Name: Methanol Blank
Misc Info : Methanol 150c for 10 min
Vial Number: 5



File : C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\10-10-14 M GC200.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 8:23 using AcqMethod GC200.M
Instrument : HP G1530A
Sample Name: Methanol Blank
Misc Info : Methanol 200-280c@ 70c/min for 10 min
Vial Number: 5

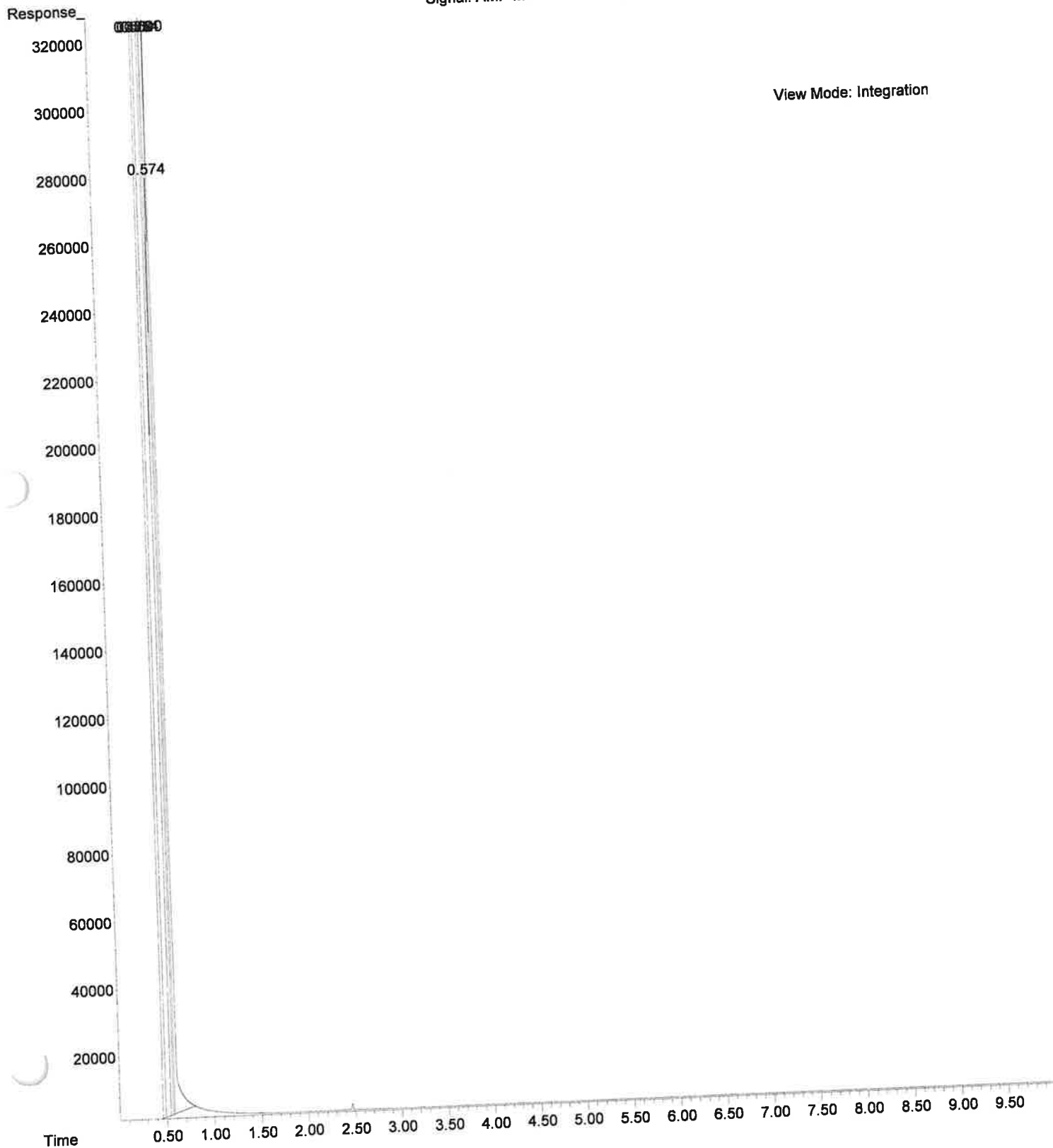
GC200

Signal: 10-10-14 M GC200.D\FID1B.CH

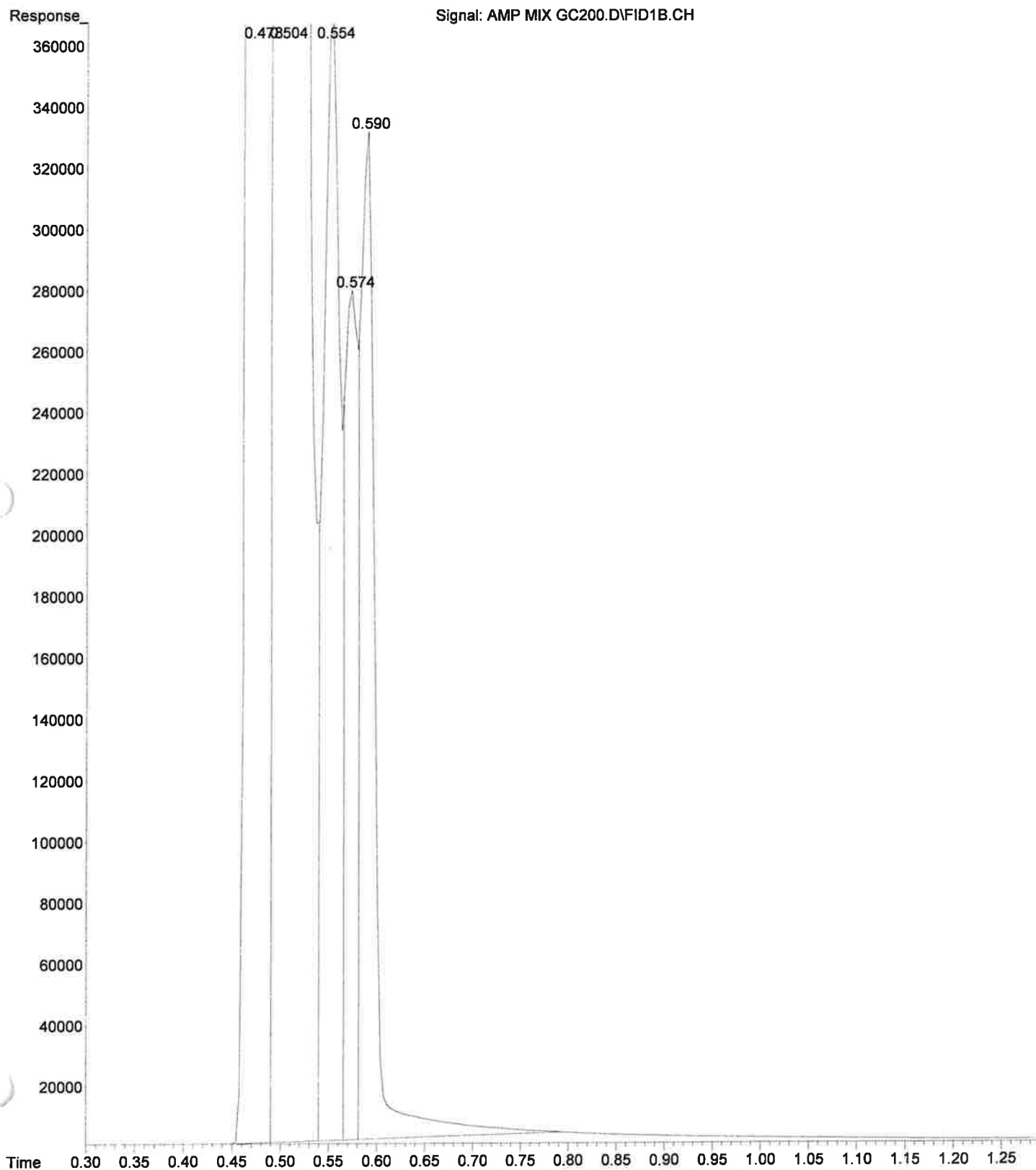


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\AMP MIX GC200.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 8:01 using AcqMethod GC200.M
Instrument : HP G1530A
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c@ 70c/min for 10 min
Vial Number: 5

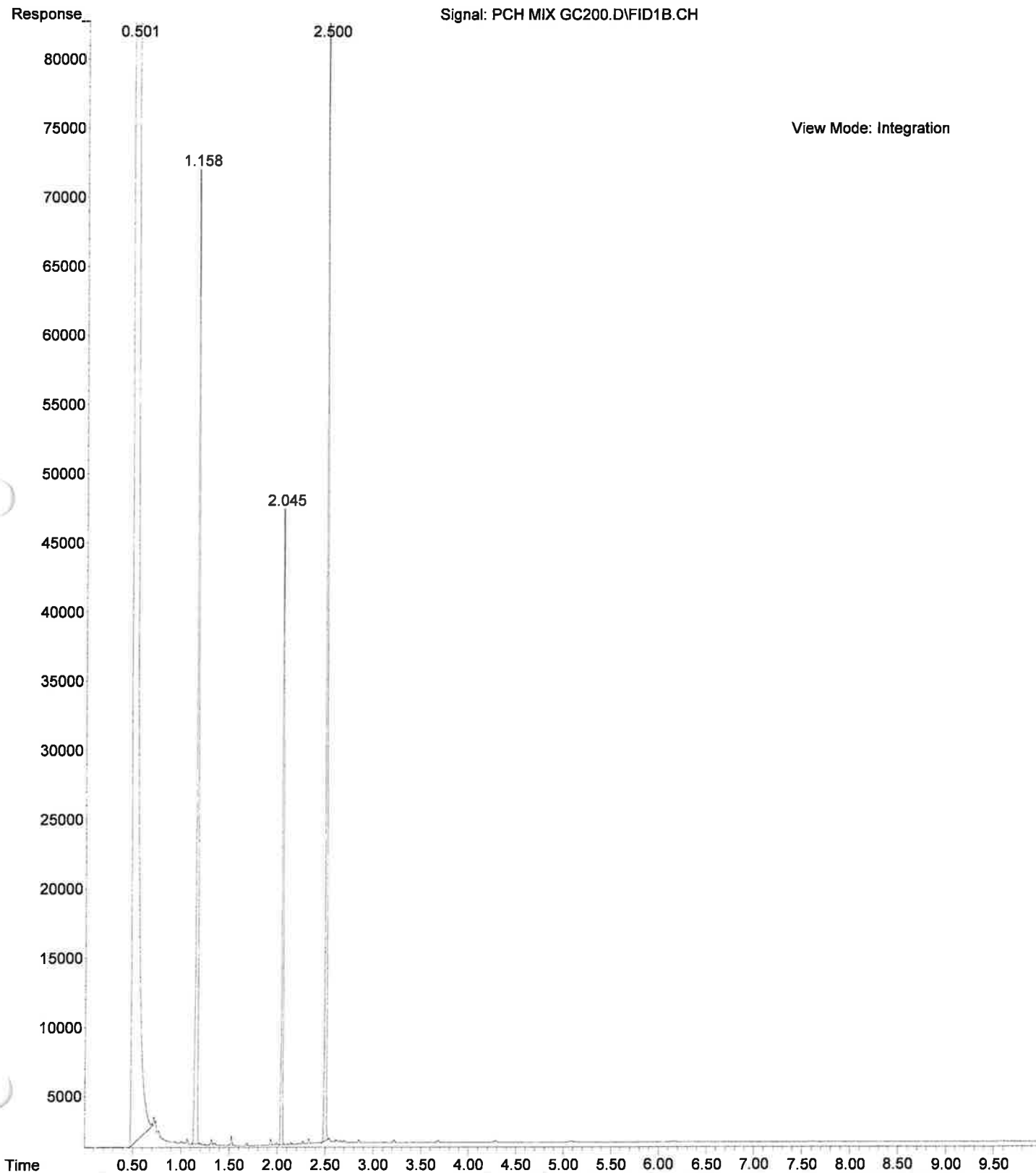
Signal: AMP MIX GC200.D\FID1B.CH



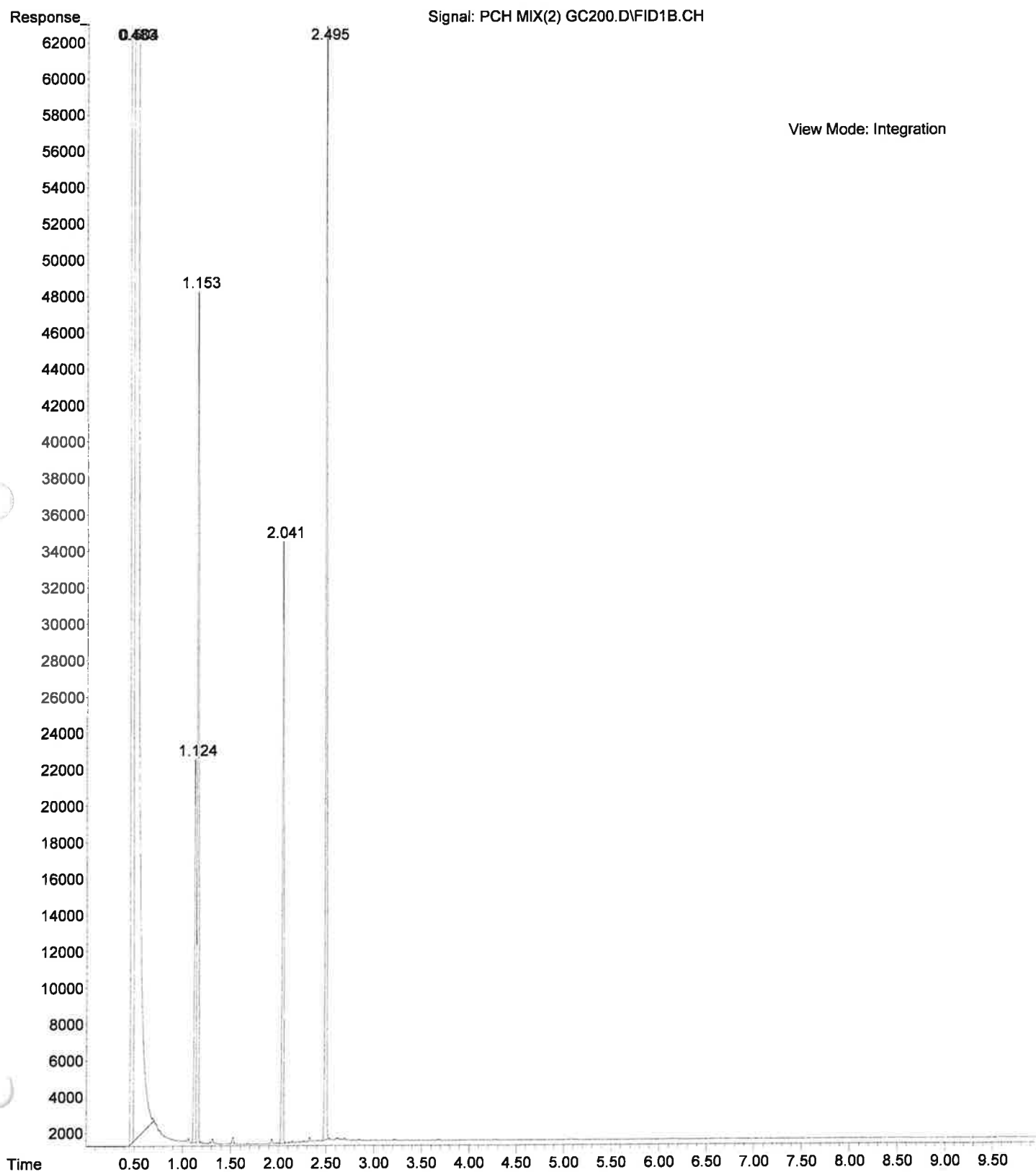
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\AMP MIX GC200.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 8:01 using AcqMethod GC200.M
Instrument : HP G1530A
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c@ 70c/min for 10 min
Vial Number: 5



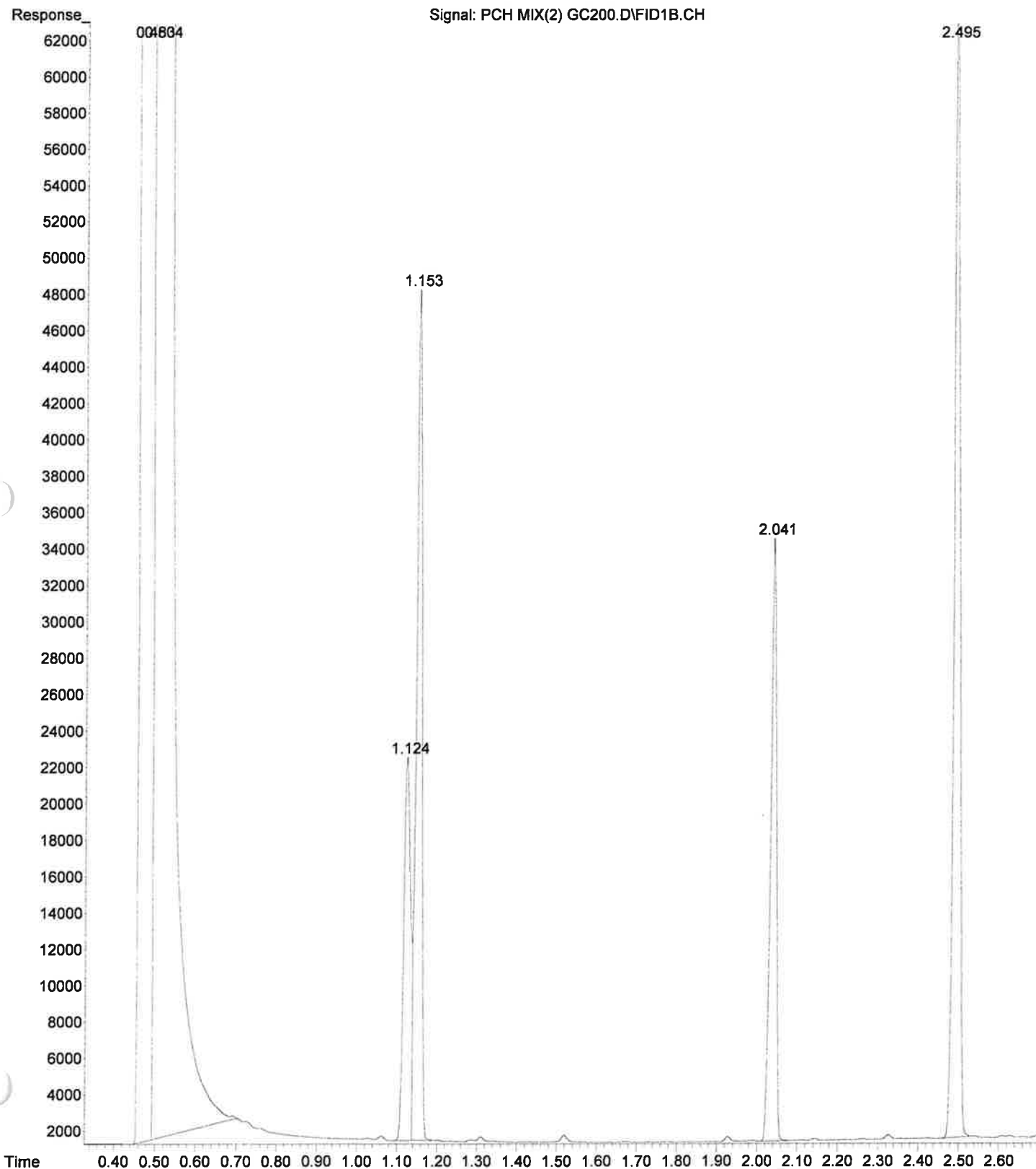
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\PCH MIX GC200.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 8:43 using AcqMethod GC200.M
Instrument : HP G1530A
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c@ 70c/min for 10 min
Vial Number: 5



File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\PCH MIX(2) GC200.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 10:49 using AcqMethod GC200.M
Instrument : HP G1530A
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 min
Vial Number: 5

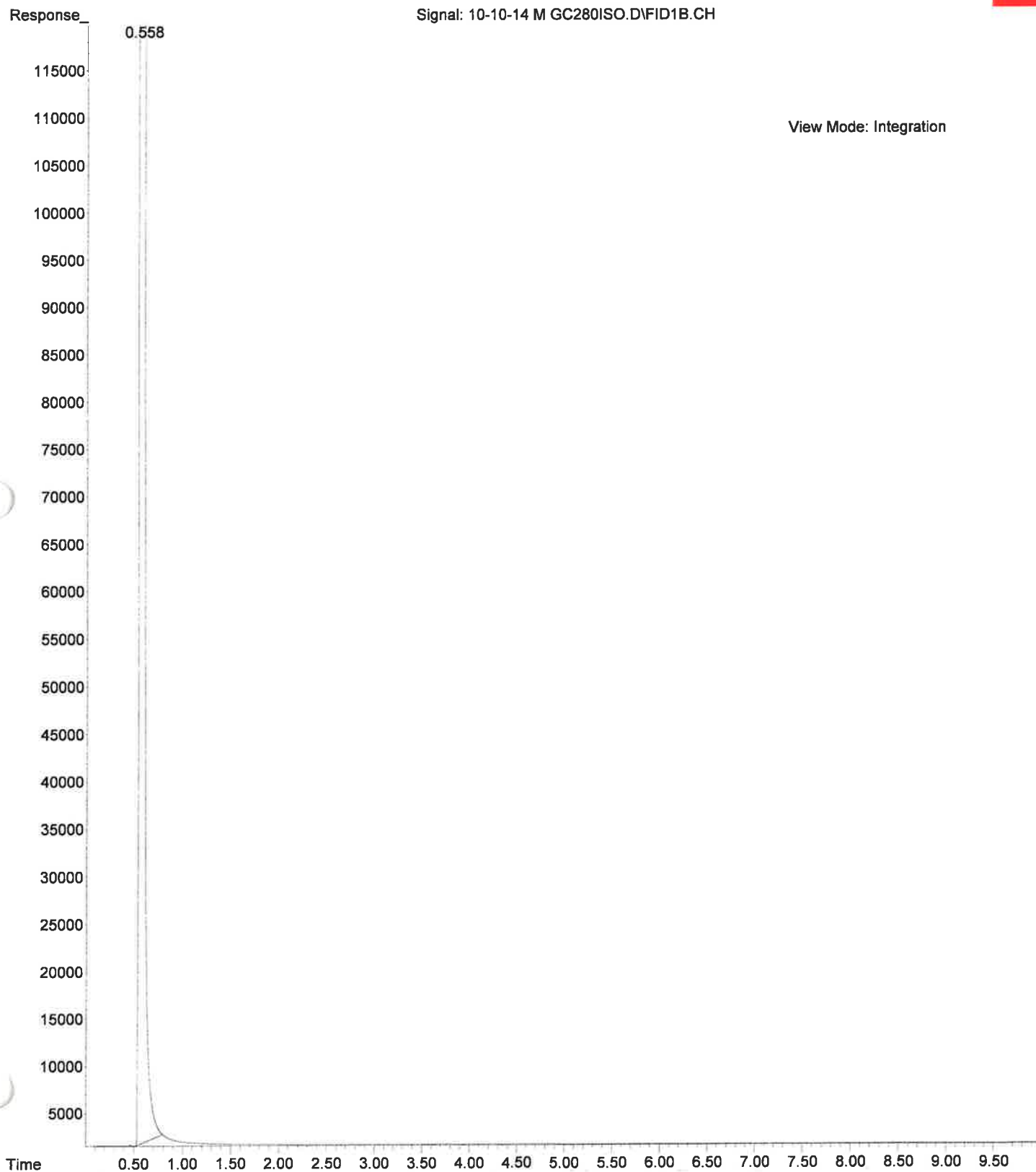


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\PCH MIX(2) GC200.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 10:49 using AcqMethod GC200.M
Instrument : HP G1530A
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 min
Vial Number: 5

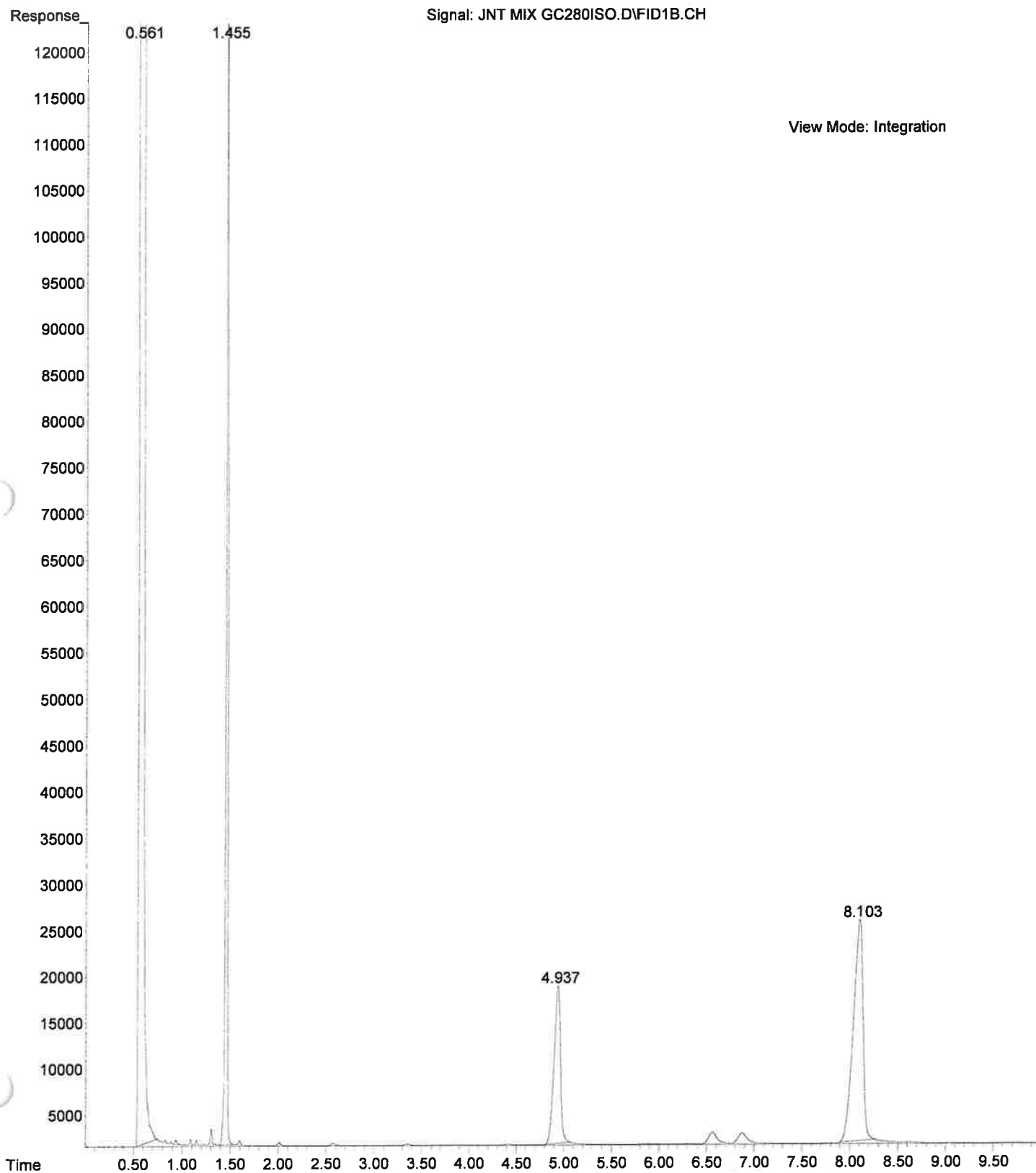


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-10-14 M GC280ISO.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 8:59 using AcqMethod GC280ISO.M
Instrument : HP G1530A
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 10 min
Vial Number: 5

GC280ISO



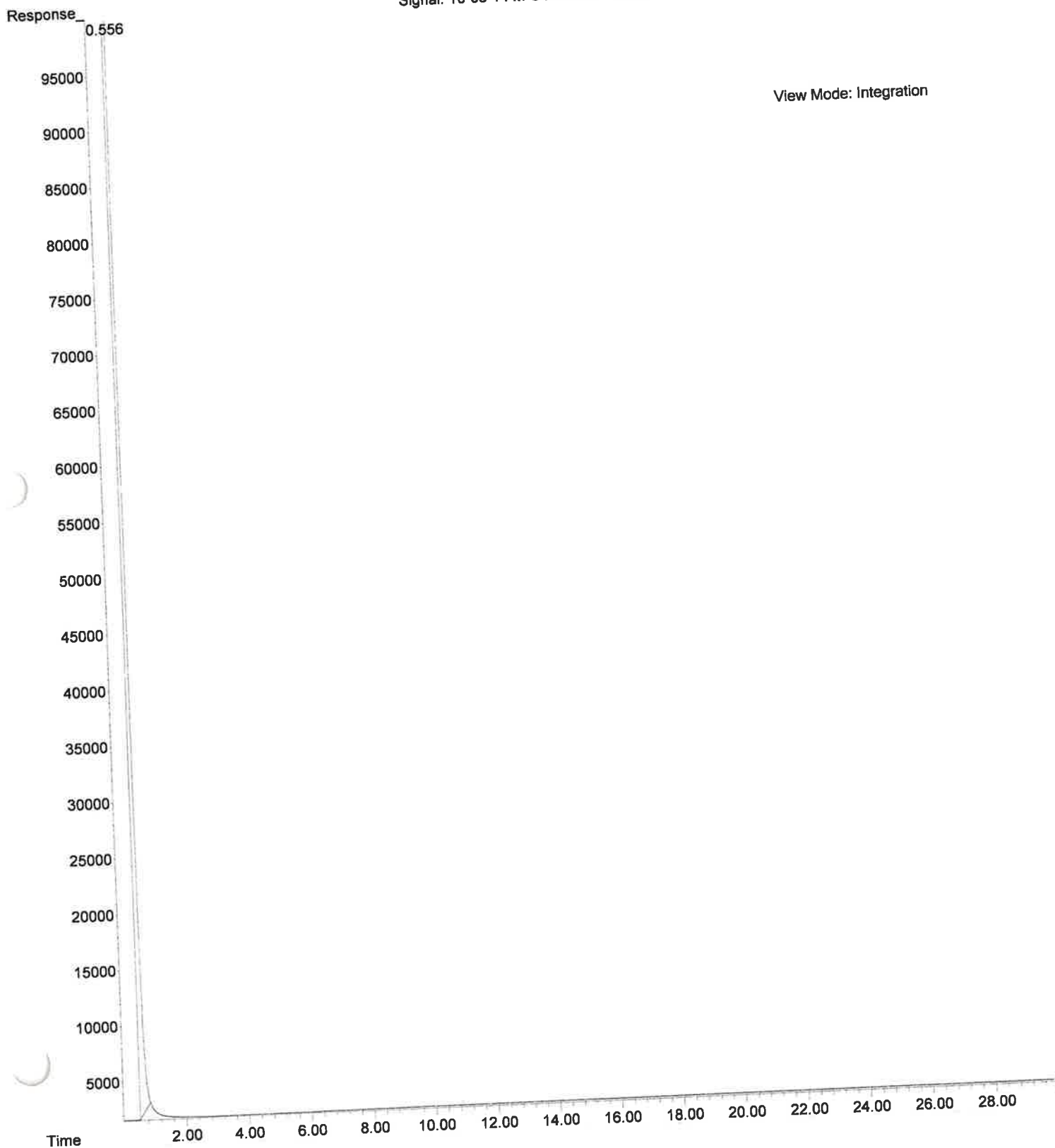
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\JNT MIX GC280ISO.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 9:16 using AcqMethod GC280ISO.M
Instrument : HP G1530A
Sample Name: JWH 081, Nandrolone undecanoate, testosterone
Misc Info : Methanol 280c for 10 min
Vial Number: 5



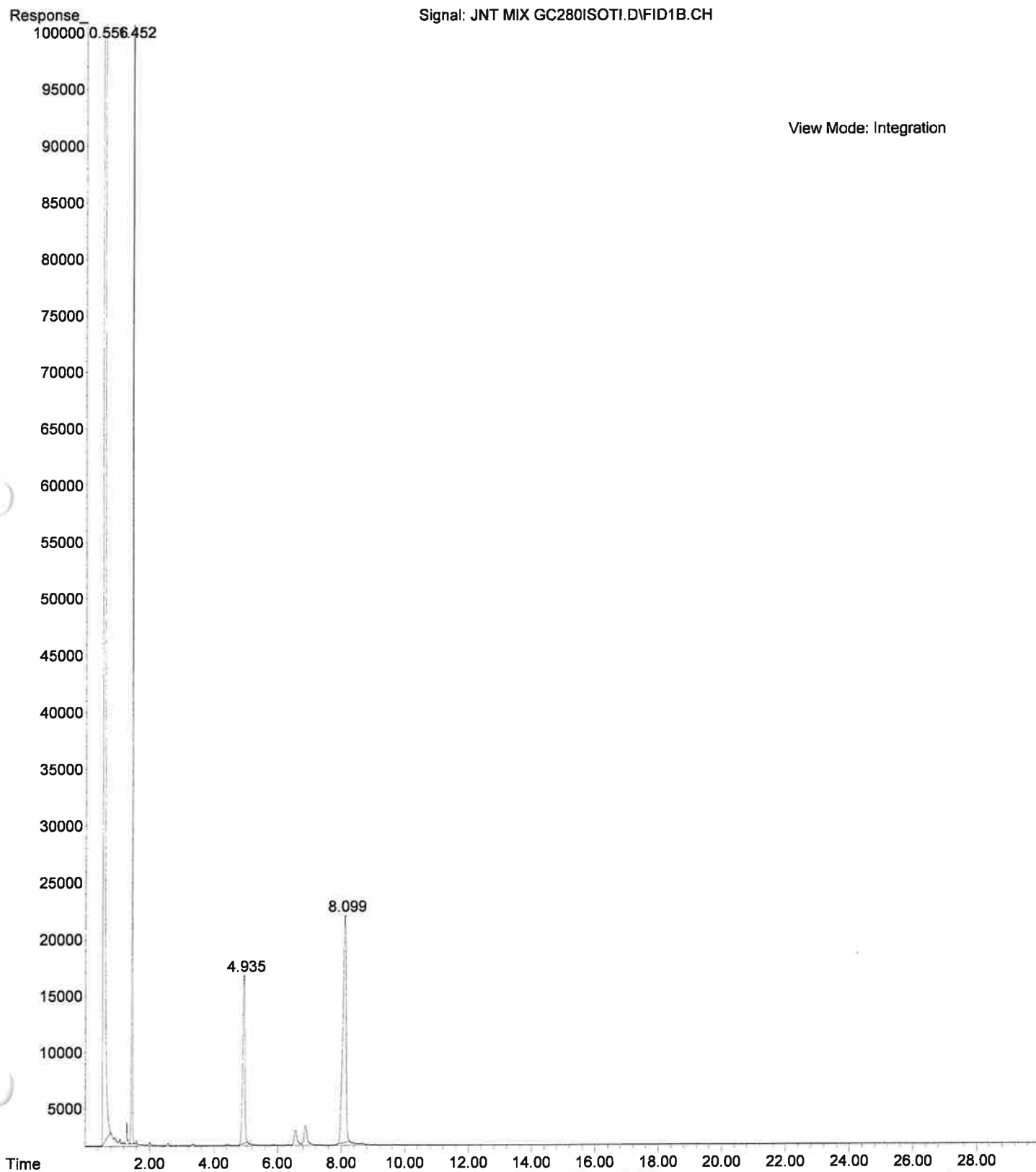
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\10-08-14 M GC280ISOT
I.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 08 Oct 2014 11:26 using AcqMethod GC280ISOTI.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 30 min

GC280ISOTI

Signal: 10-08-14 M GC280ISOTI.D\FID1B.CH

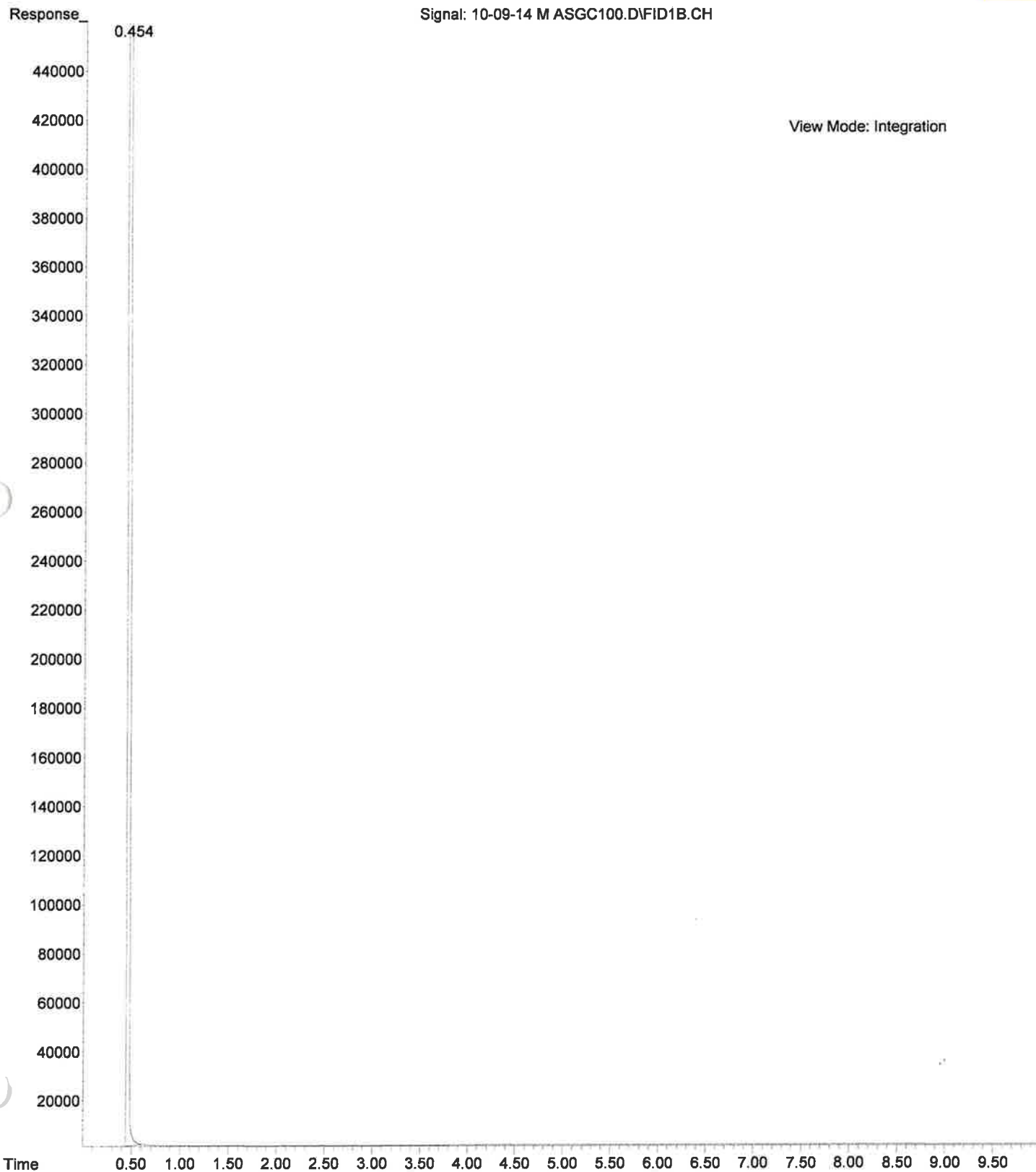


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\JNT MIX GC280ISOTI.D
Operator : Lela Jackson
Acquired : 08 Oct 2014 12:07 using AcqMethod GC280ISOTI.M
Instrument : HP G1530A
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 30 min
Vial Number: 1

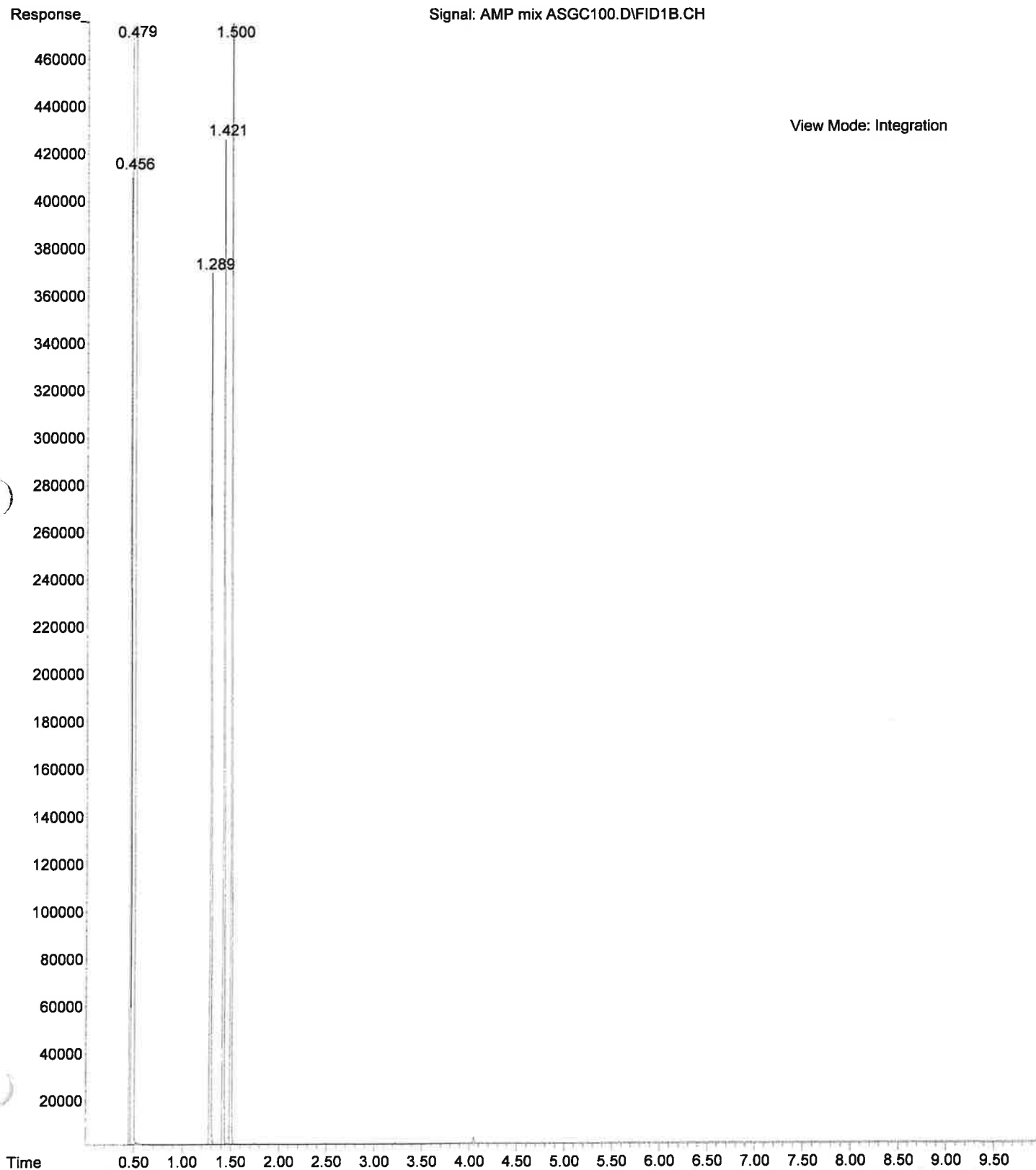


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\10-09-14 M ASGC
... 100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 10:47 using AcqMethod ASGC100.M
Sample Name: Methanol Blank
Misc Info : Methanol 100-280c @70c/min for 10 min

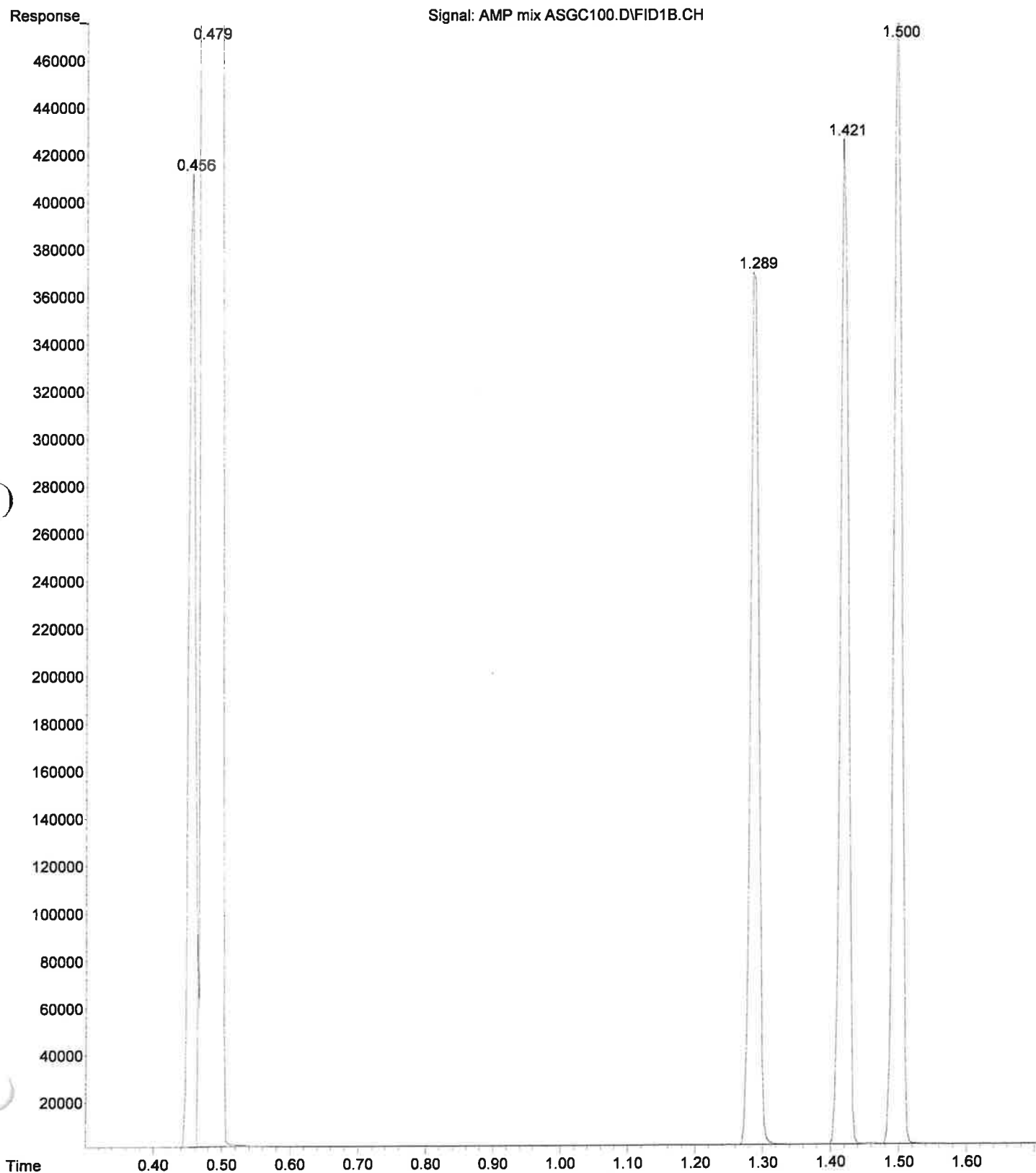
ASGC100



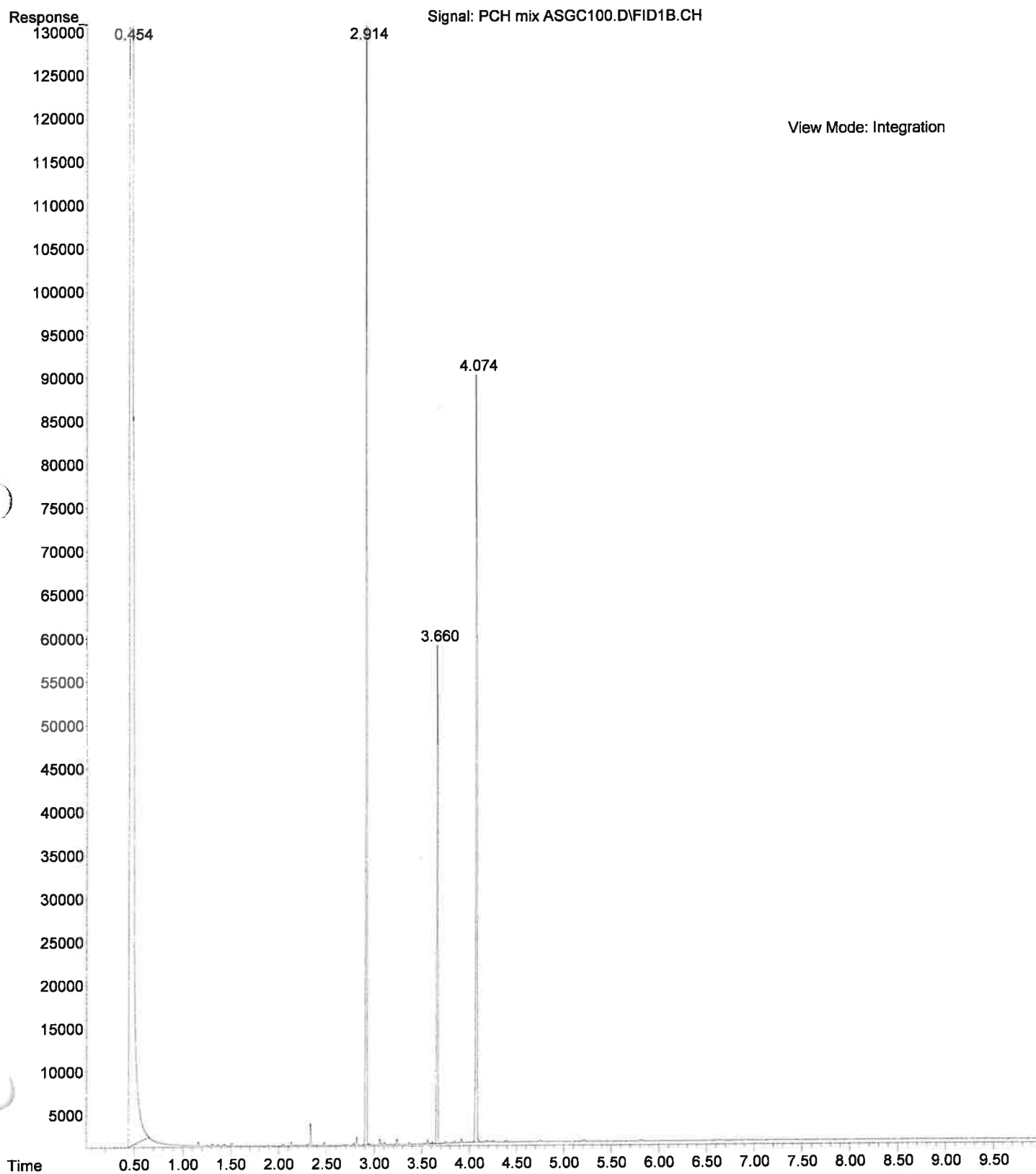
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\AMP mix ASGC100
...
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 10:33 using AcqMethod ASGC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min



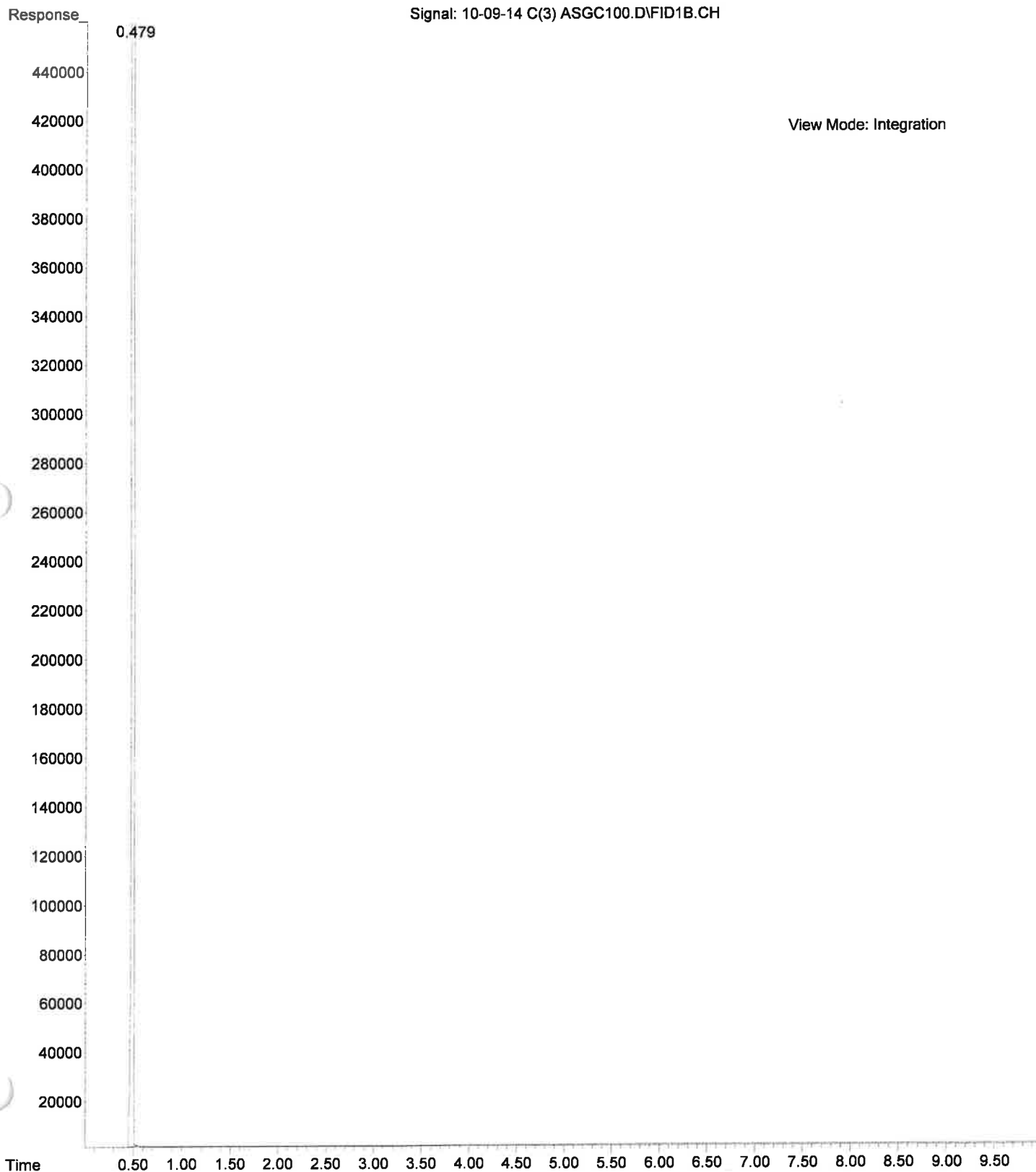
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... .D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 10:33 using AcqMethod ASGC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min



File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\PCH mix ASGC100
... .D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 11:02 using AcqMethod ASGC100.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 10 min

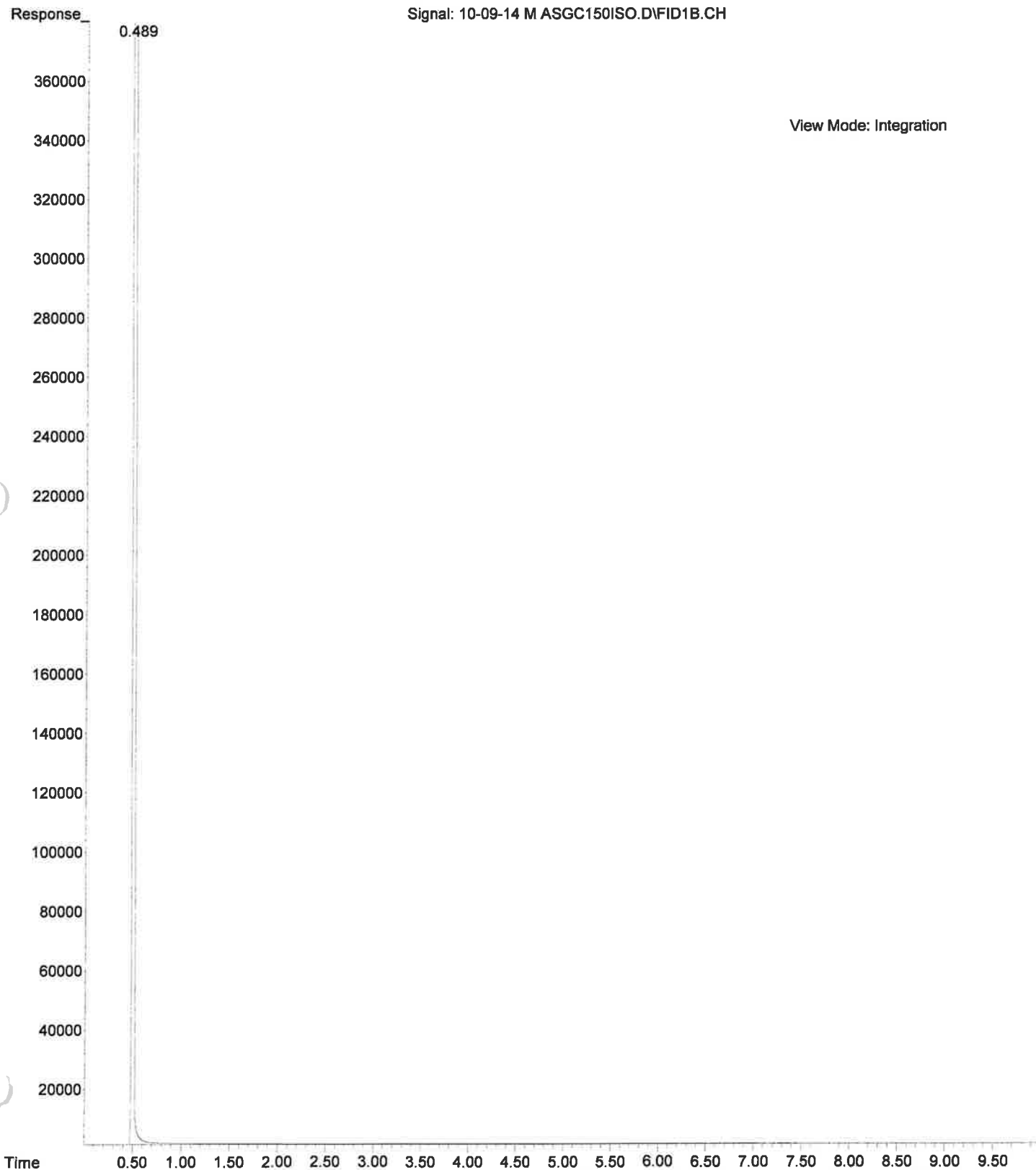


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\10-09-14 C(3) A
... SGC100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 10:18 using AcqMethod ASGC100.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 100-280c @70c/min for 10 min

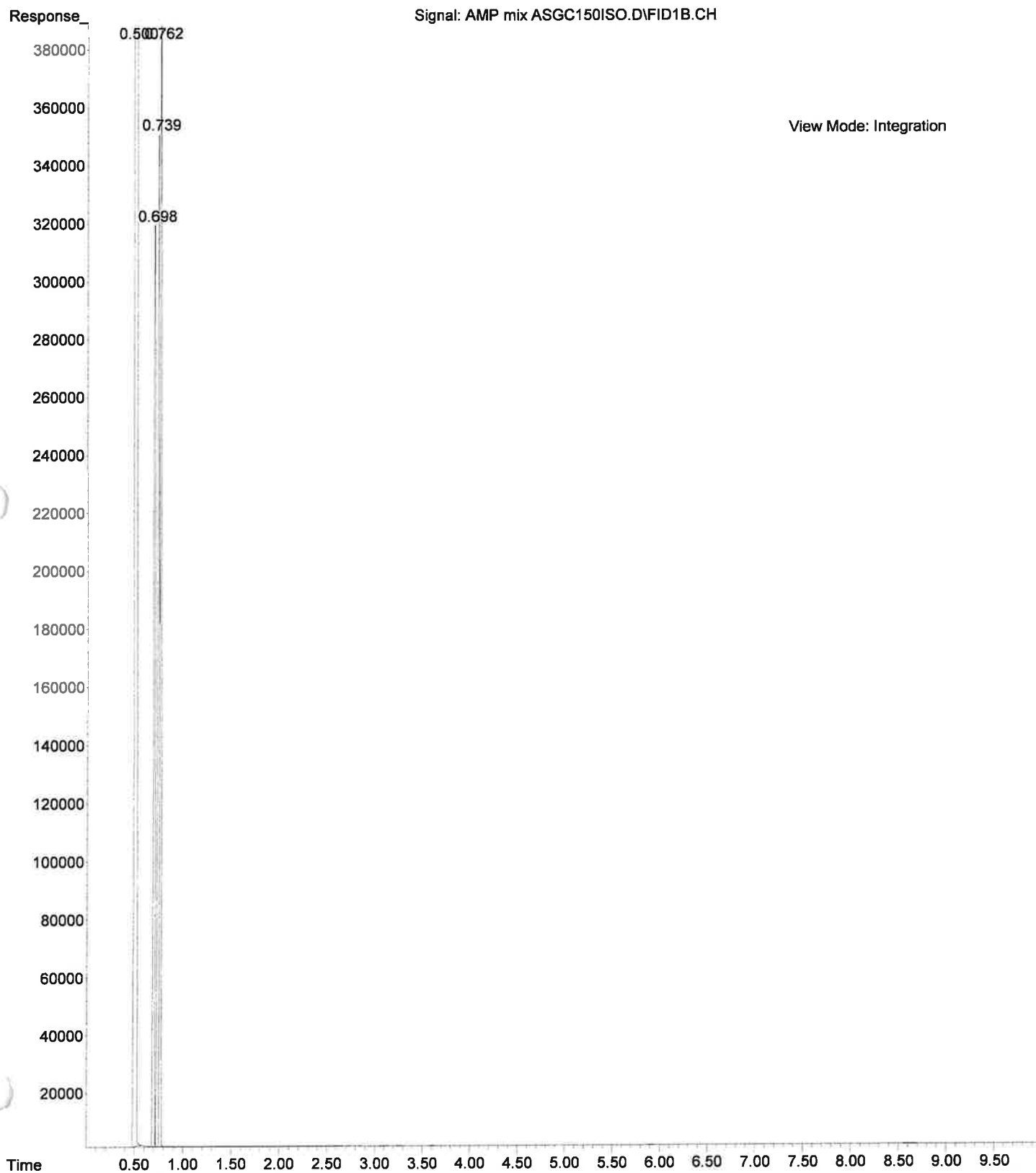


File :C:\msdchem\1\DATA\LJ\Nashville 2014\OCT\ASGC\10-09-14 M ASGC
... 150ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 12:32 using AcqMethod ASGC150ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 150c for 10 min

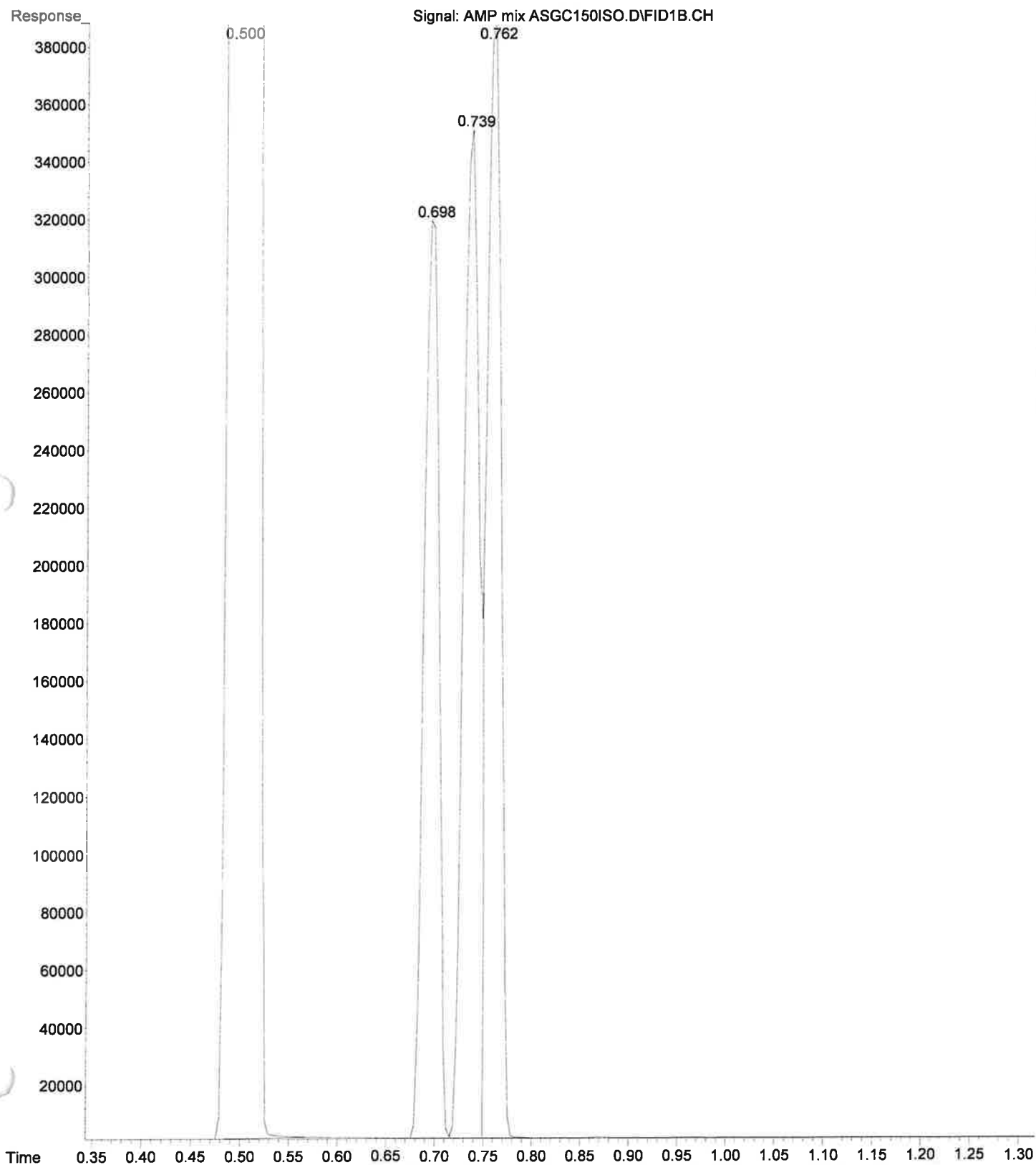
ASGC150ISO



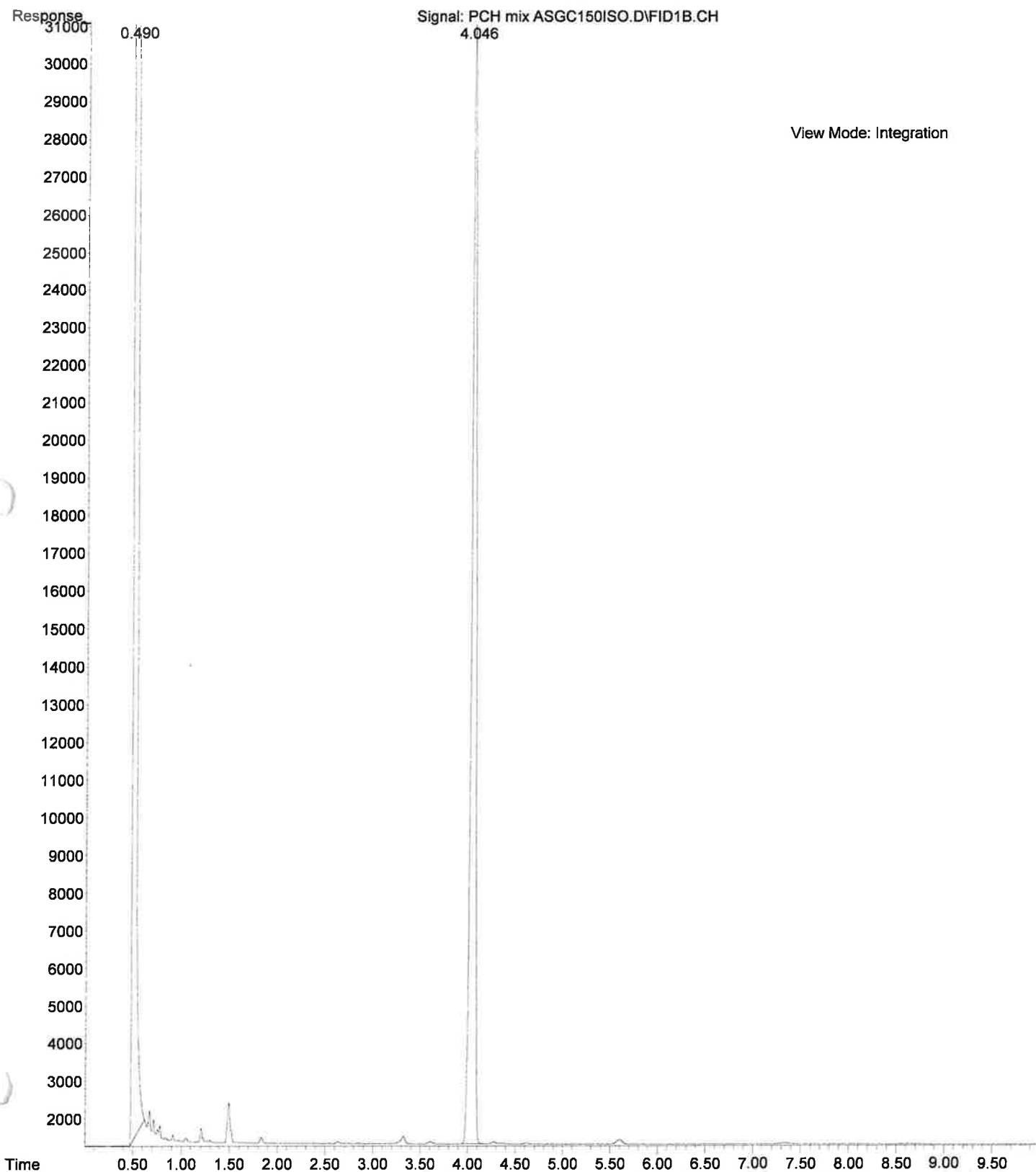
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\AMP mix ASGC150
... ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 12:20 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min



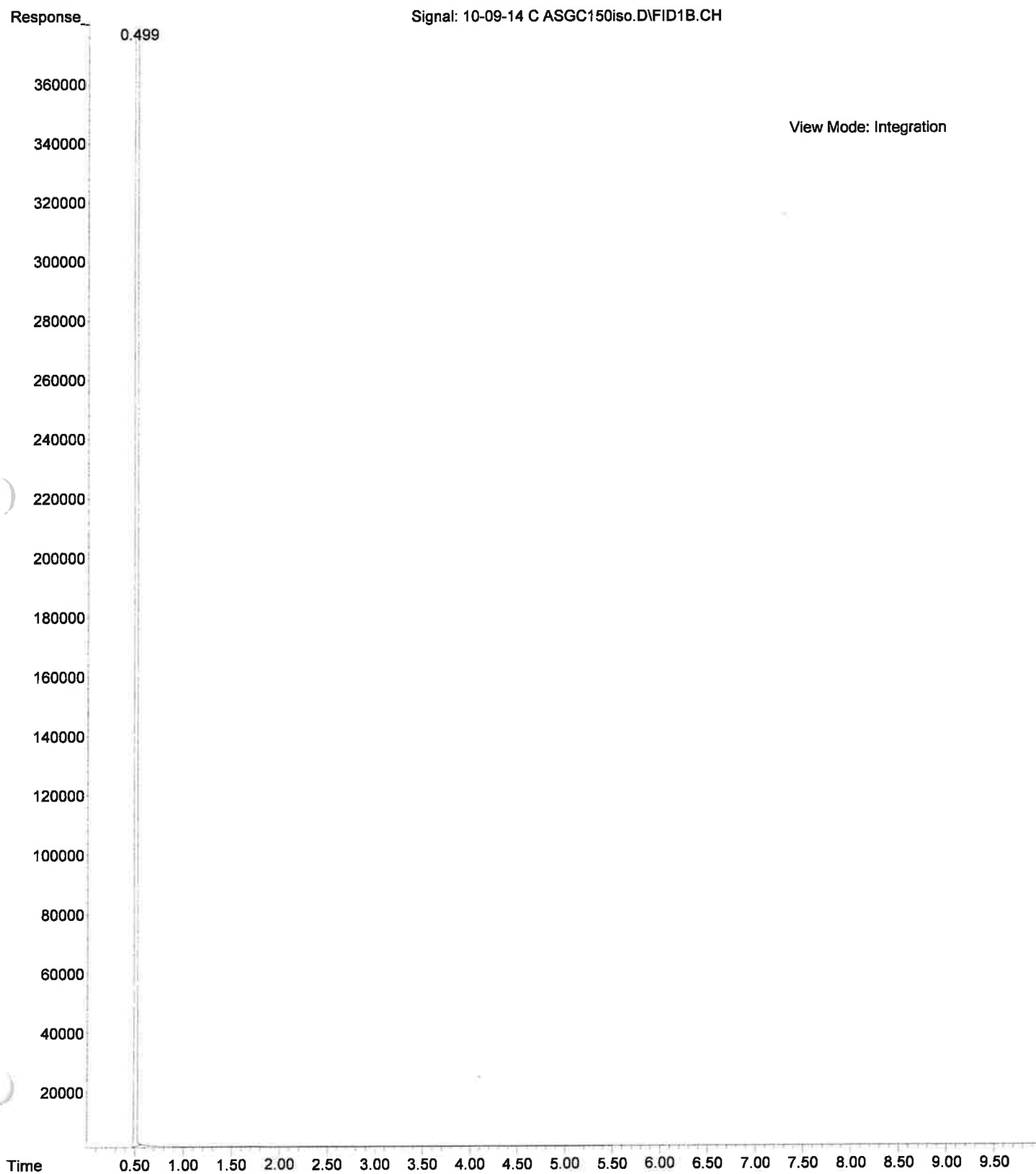
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\AMP mix ASGC150
... ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 12:20 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min



File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\PCH mix ASGC150
... ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 12:44 using AcqMethod ASGC150ISO.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 min

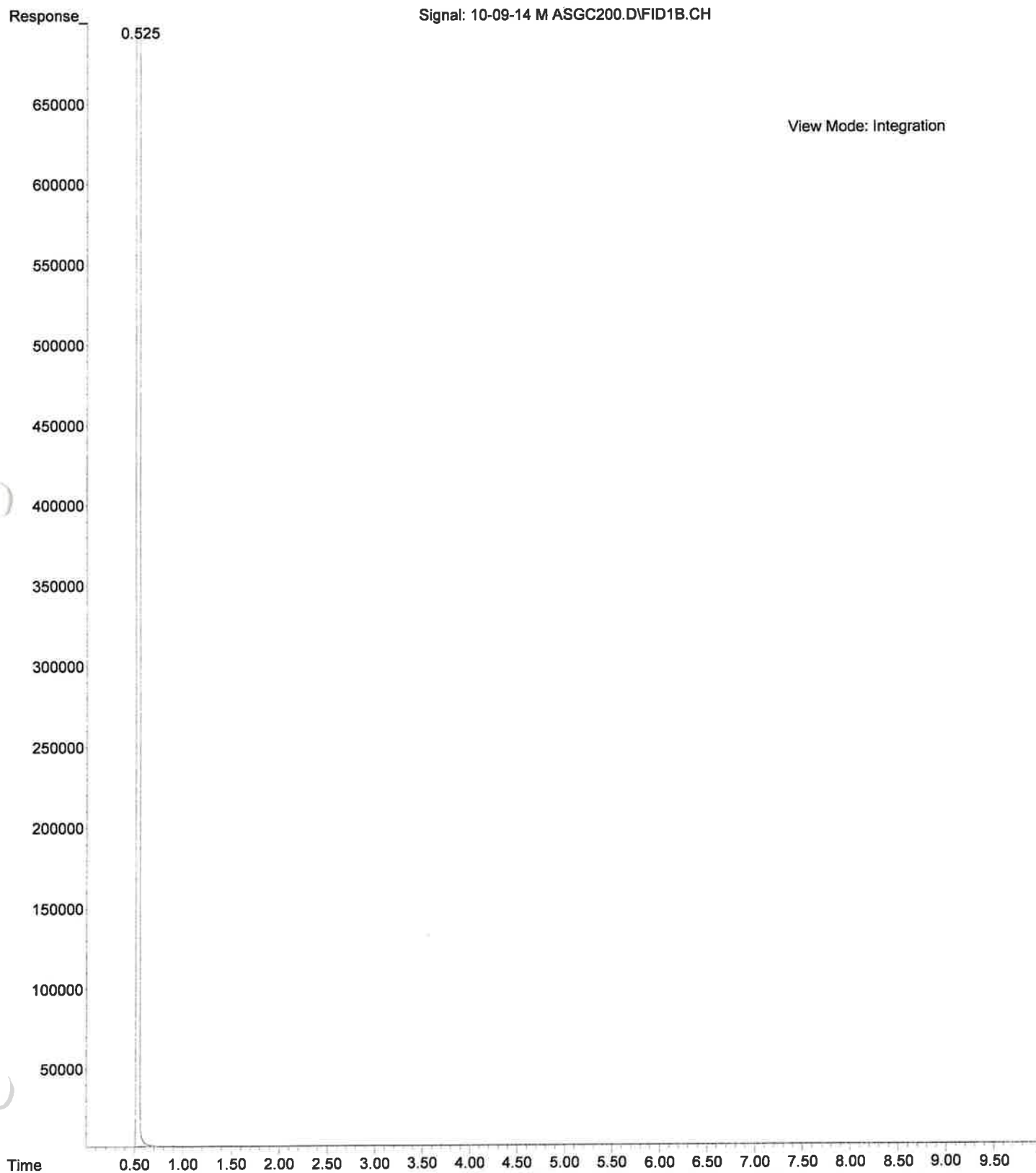


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\10-09-14 C ASGC
... 150iso.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 12:08 using AcqMethod ASGC150ISO.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 150c for 10 min

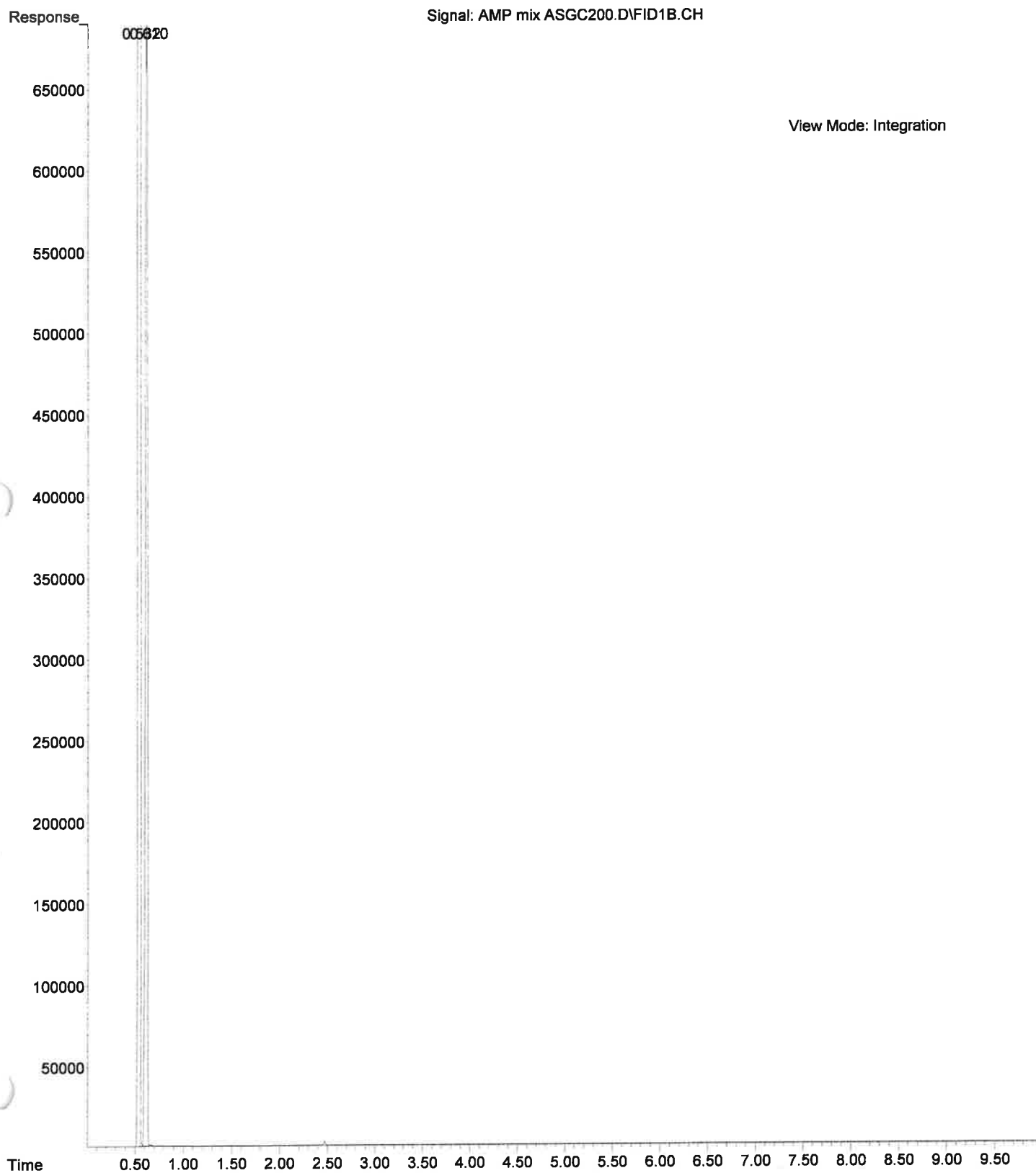


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\10-09-14 M ASGC
... 200.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 11:41 using AcqMethod ASGC200.M
Sample Name: Methanol Blank
Misc Info : Methanol 200-280c @70c/min for 10 min

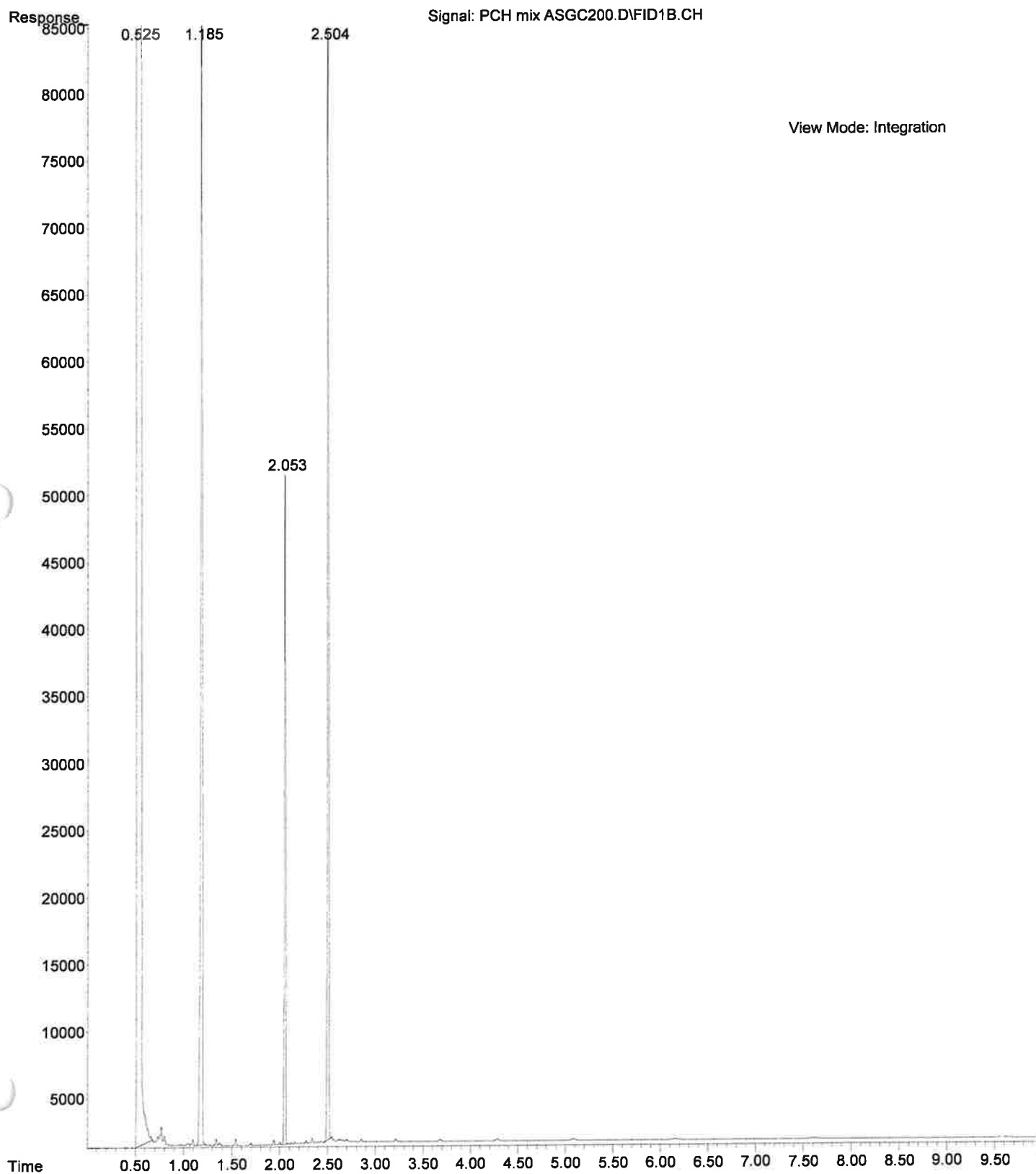
ASGC200.D



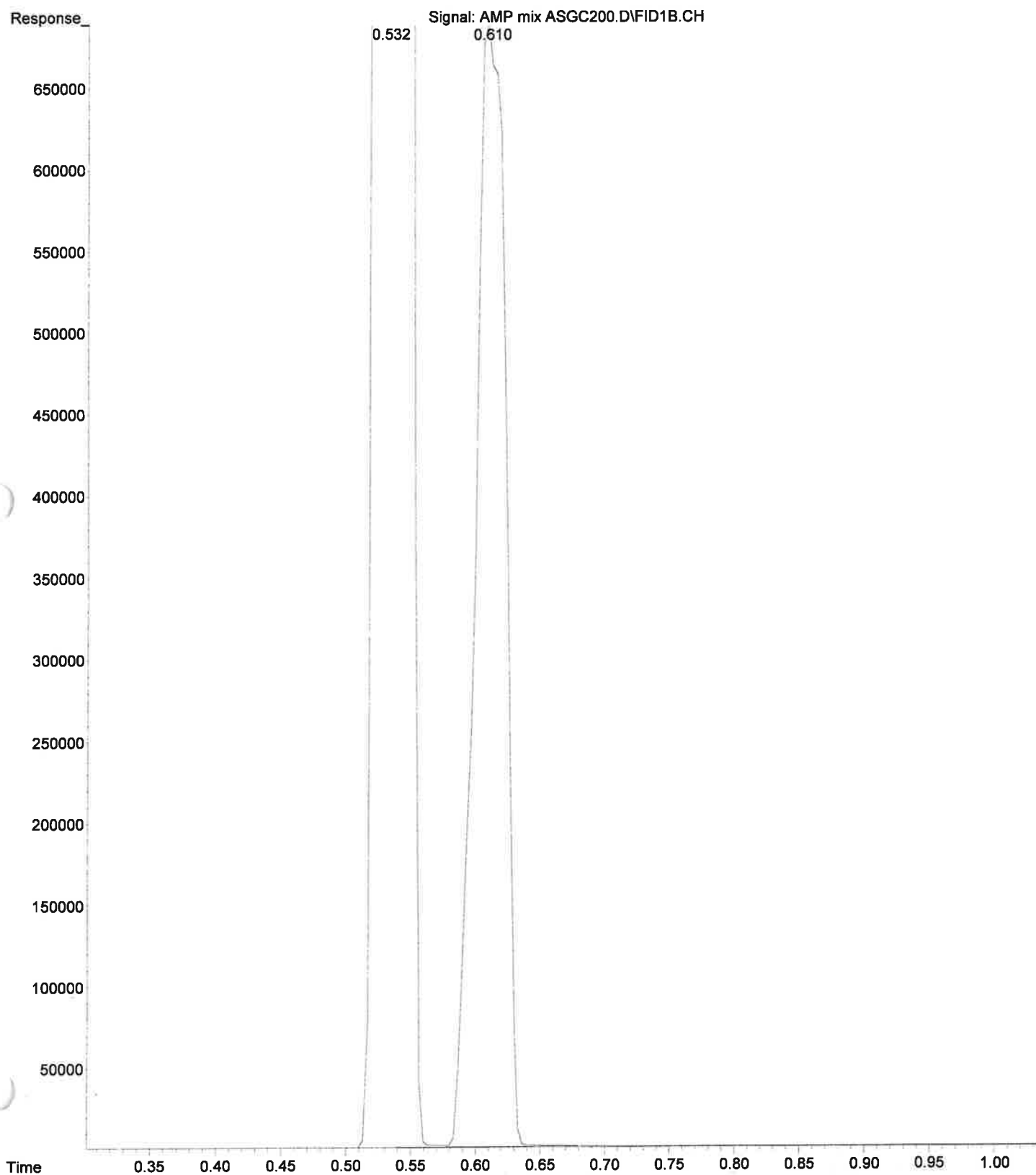
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\AMP mix ASGC200
... .D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 11:28 using AcqMethod ASGC200.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c @70c/min for 10 min



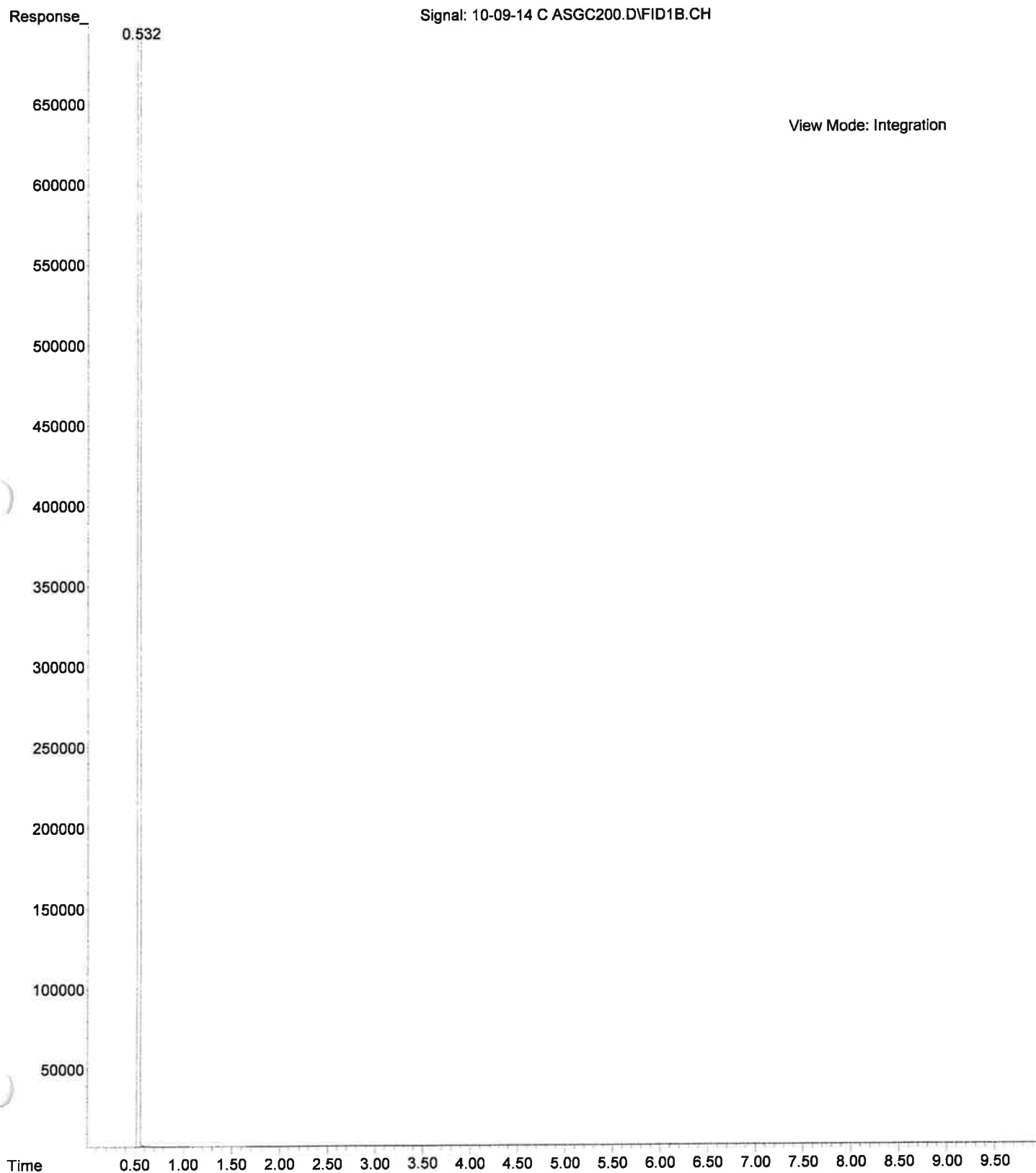
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\PCH mix ASGC200
... .D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 11:54 using AcqMethod ASGC200.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 min



File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\AMP mix ASGC200
...
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 11:28 using AcqMethod ASGC200.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c @70c/min for 10 min



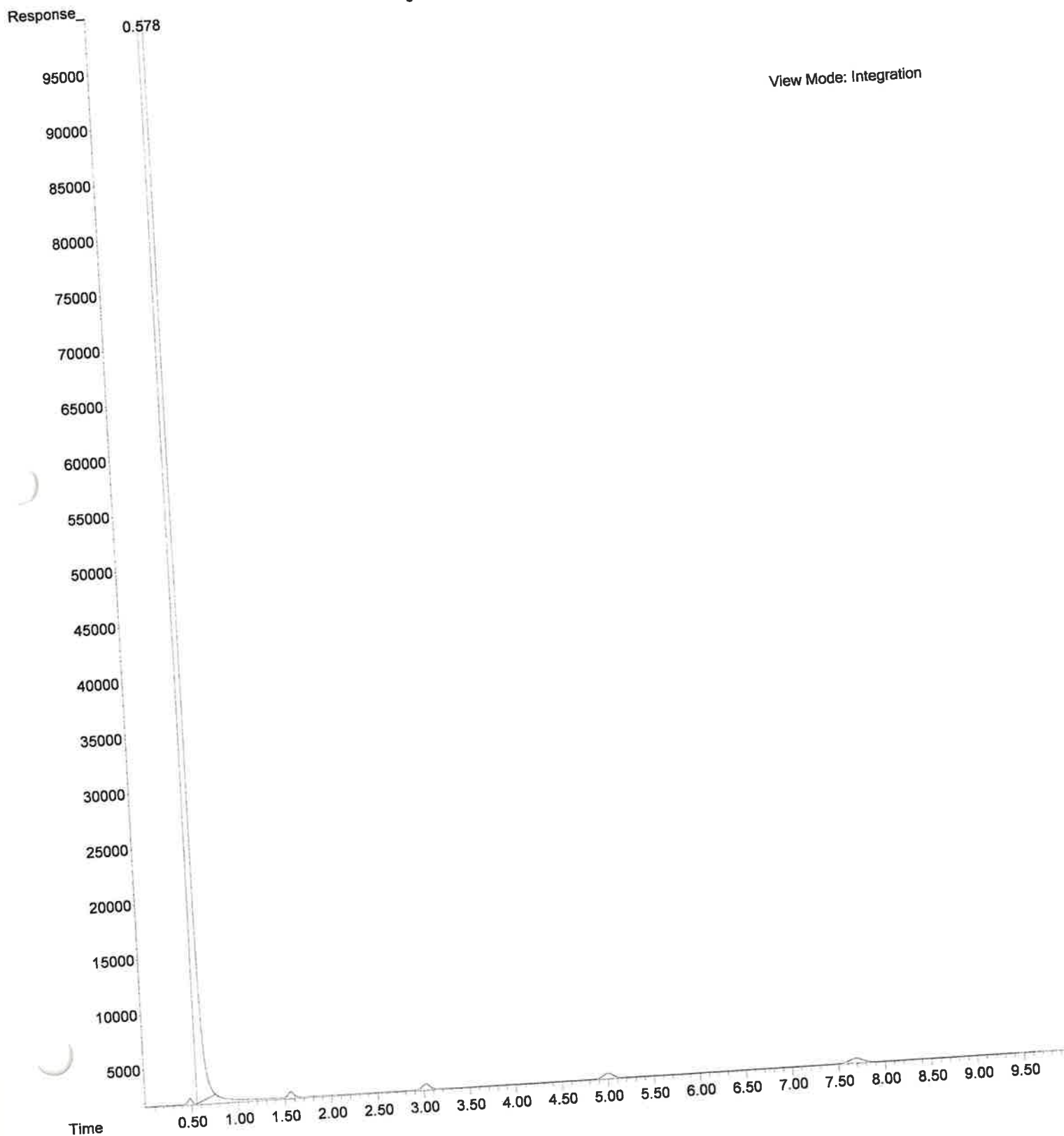
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\10-09-14 C ASGC
200.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 11:15 using AcqMethod ASGC200.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 200-280c @70c/min for 10 min



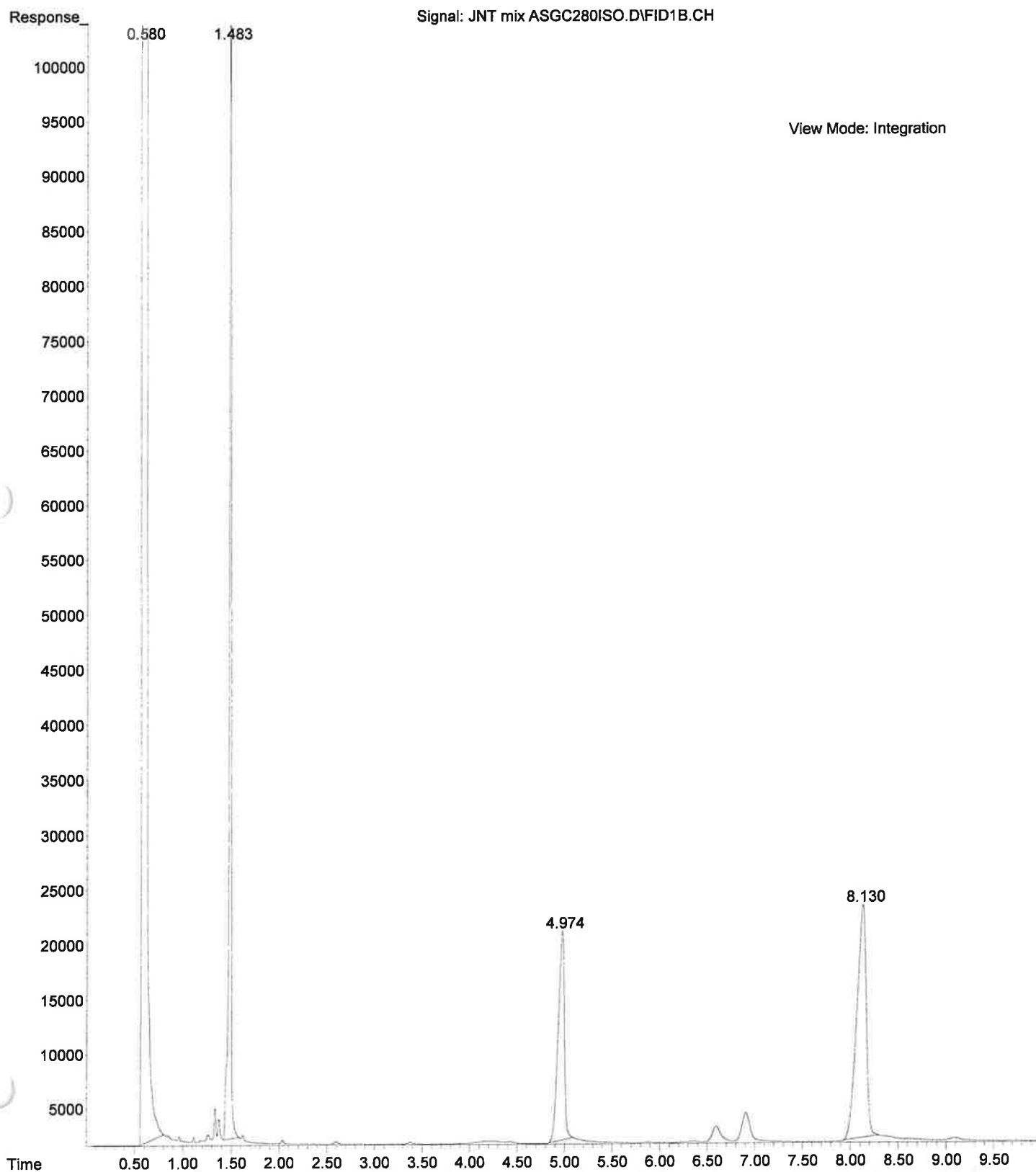
File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\10-09-14 M ASGC
280ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 12:58 using AcqMethod ASGC280ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 10 min

ASGC280ISO

Signal: 10-09-14 M ASGC280ISO.D\FID1B.CH

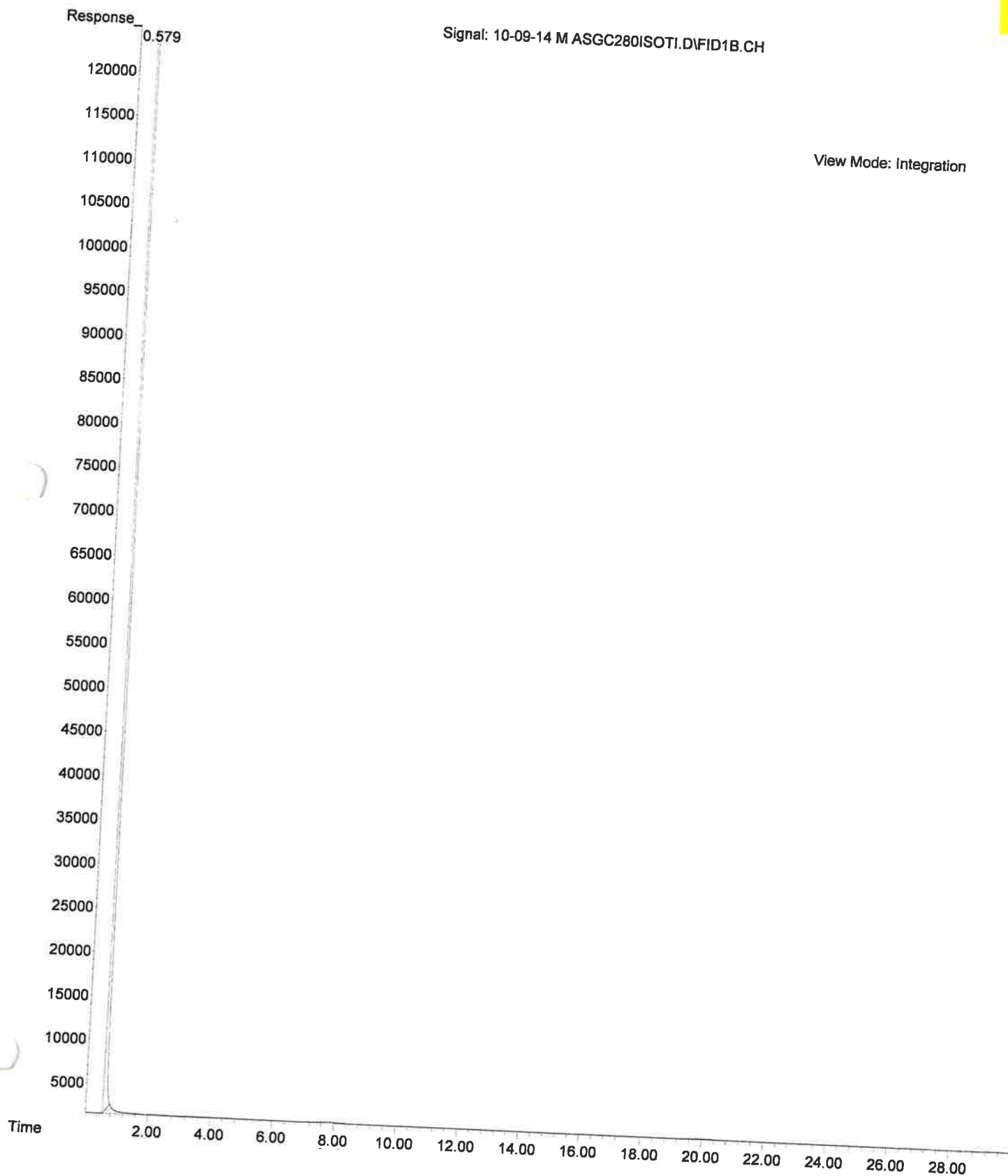


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\JNT mix ASGC280
... ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 13:10 using AcqMethod ASGC280ISO.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 10 min

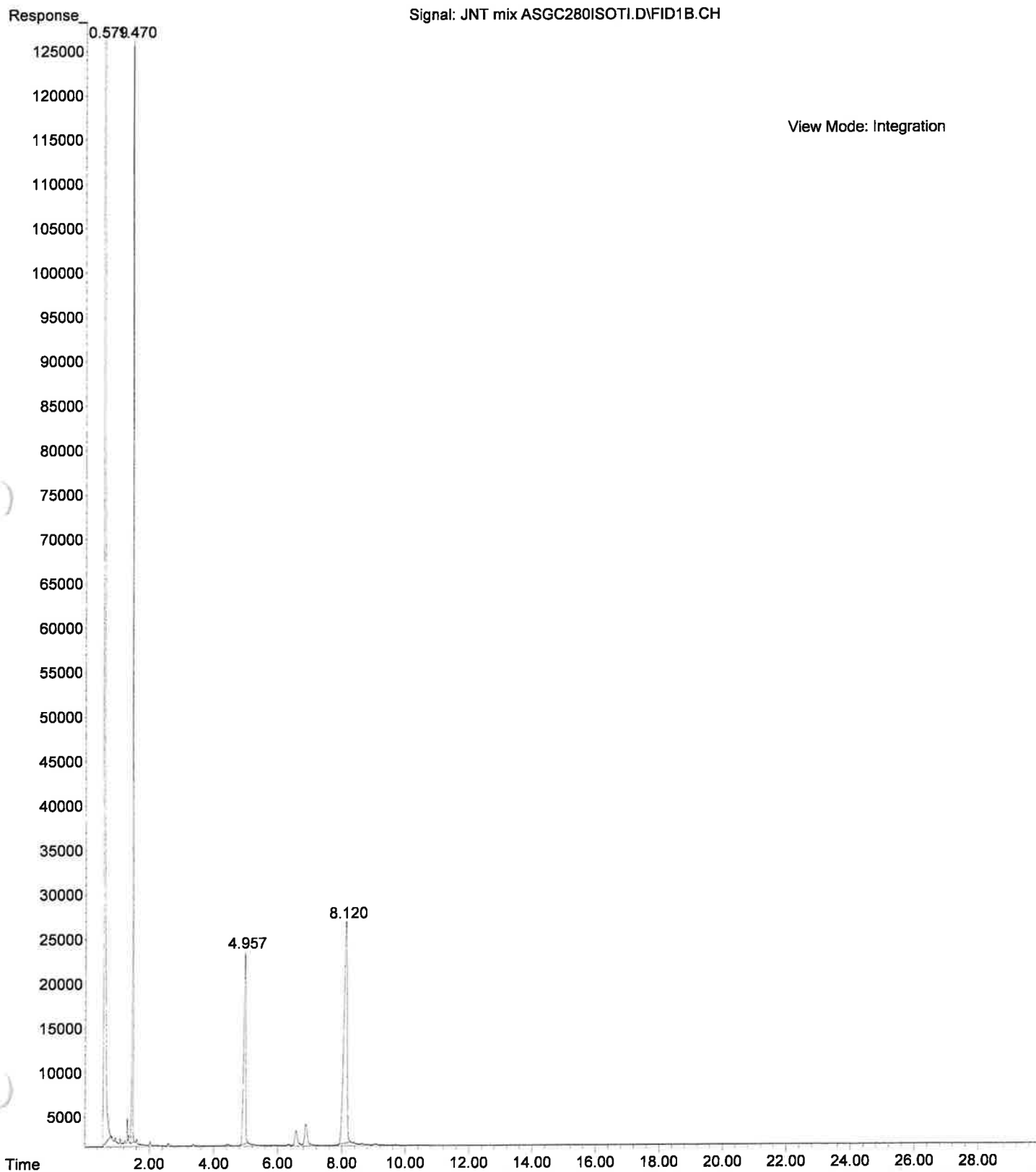


File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\10-09-14 M ASGC
... 280ISOTI.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 13:22 using AcqMethod ASGC280ISOTI.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 30 min

ASGC280
ISOTI



File :C:\msdchem\1\DATA\LJ\Nashville 2014\oCT\ASGC\JNT mix ASGC280
... ISOTI.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 09 Oct 2014 13:55 using AcqMethod ASGC280ISOTI.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 30 min



GUMBO

GUMBO Summary: GCMS comparisons

	Methods				
<u>Compounds</u>	MSDRUGS60	MS100TR	MS200TR	MSDRUGSTI	MS280ISO
Amphetamine	+	+	-	/	/
Phentermine	+	+	-	/	/
Methamphetamine	+	+	-	/	/
Pethidine	+	+	+	/	/
Cocaine	+	+	+	/	/
Hydrocodone	+	+	+	/	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

	Methods				
<u>Compounds</u>	ASMSDRUGS60	ASMS100TR	ASMS200TR	ASMSDRUGSTI	ASMS280ISO
Amphetamine	+	+	-	/	/
Phentermine	+	+	-	/	/
Methamphetamine	+	+	-	/	/
Pethidine	+	+	+	/	/
Cocaine	+	+	+	/	/
Hydrocodone	+	+	+	/	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

/ = Compounds not run on method

+ = Compounds present

- = Compounds absent

GUMBO Summary: GC Retention times

<u>Compounds</u>	Methods				
	GC100	GC200	GC150ISO	GC280ISO	GC280ISOTI
Amphetamine	2.103	*	*	-	-
Phentermine	2.186	*	*	-	-
Methamphetamine	2.264	*	*	-	-
Pethidine	3.760	2.034	*	-	-
Cocaine	4.769	3.152	*	-	-
Hydrocodone	5.588	4.013	*	-	-
Testosterone	-	-	-	*	3.243
JWH 081	-	-	-	*	12.973
Nandrolone Undecanoate	-	-	-	*	19.565

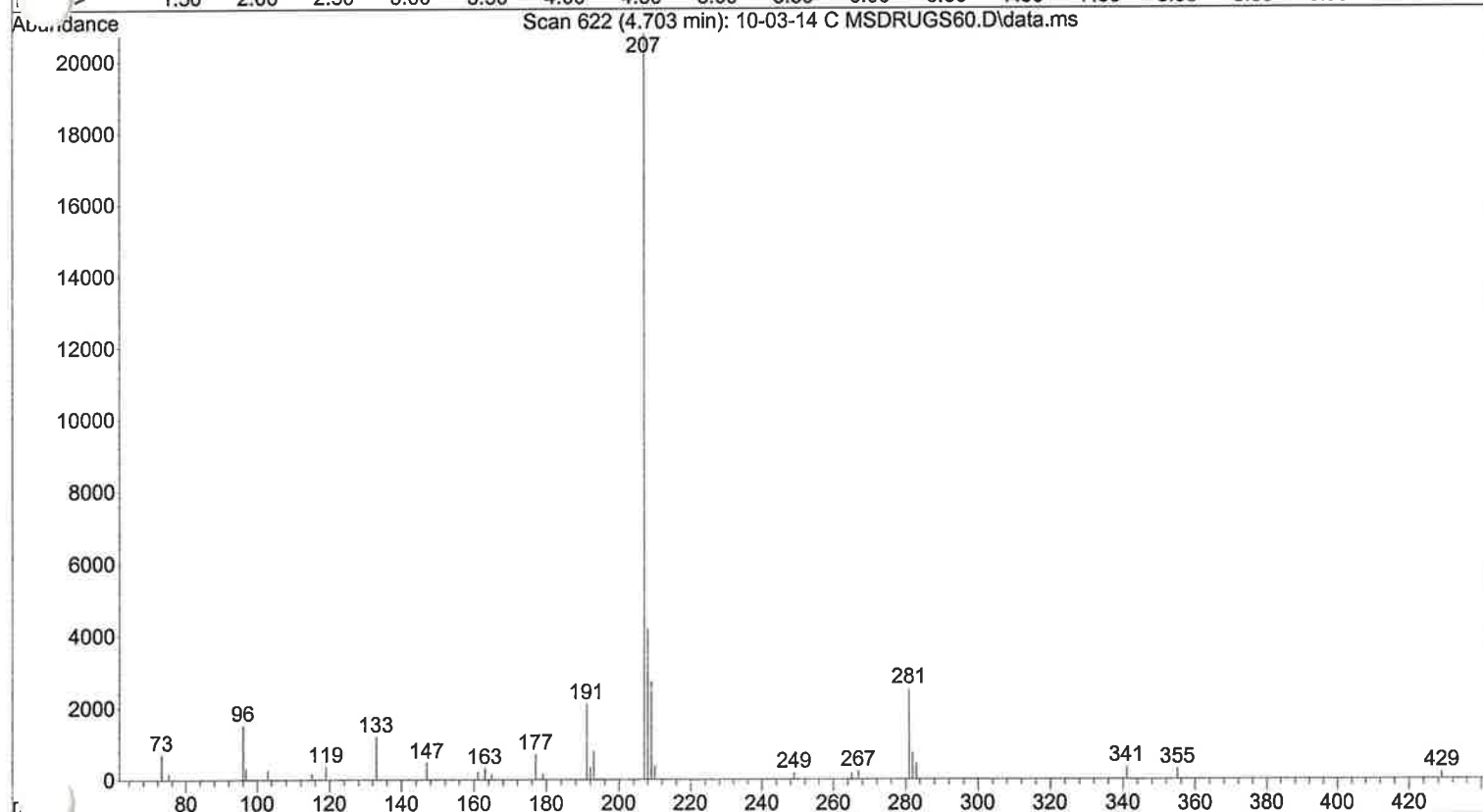
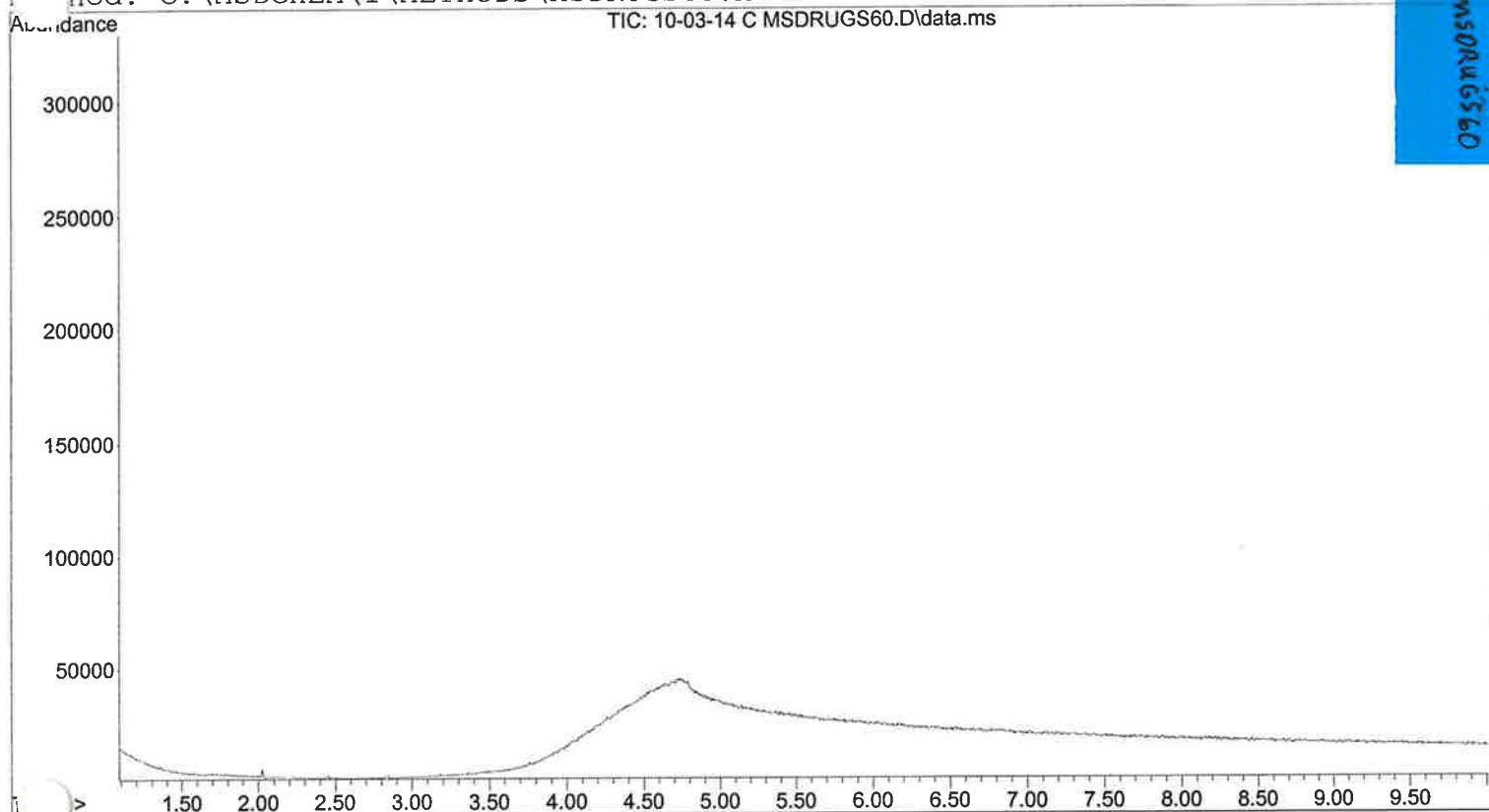
Most likely carryover

<u>Compounds</u>	Methods				
	ASGC100	ASGC200	ASGC150ISO	ASGC280ISO	ASGC280ISOTI
Amphetamine	2.116	1.221	1.449	-	-
Phentermine	2.271	1.240	1.525	-	-
Methamphetamine	2.195	1.247	1.575	-	-
Pethidine	3.756	2.053	*	-	-
Cocaine	4.763	3.149	*	-	-
Hydrocodone	5.588	4.007	*	-	-
Testosterone	-	-	-	*	3.276
JWH 081	-	-	-	*	12.895
Nandrolone Undecanoate	-	-	-	*	19.570

- = Compounds not run on method

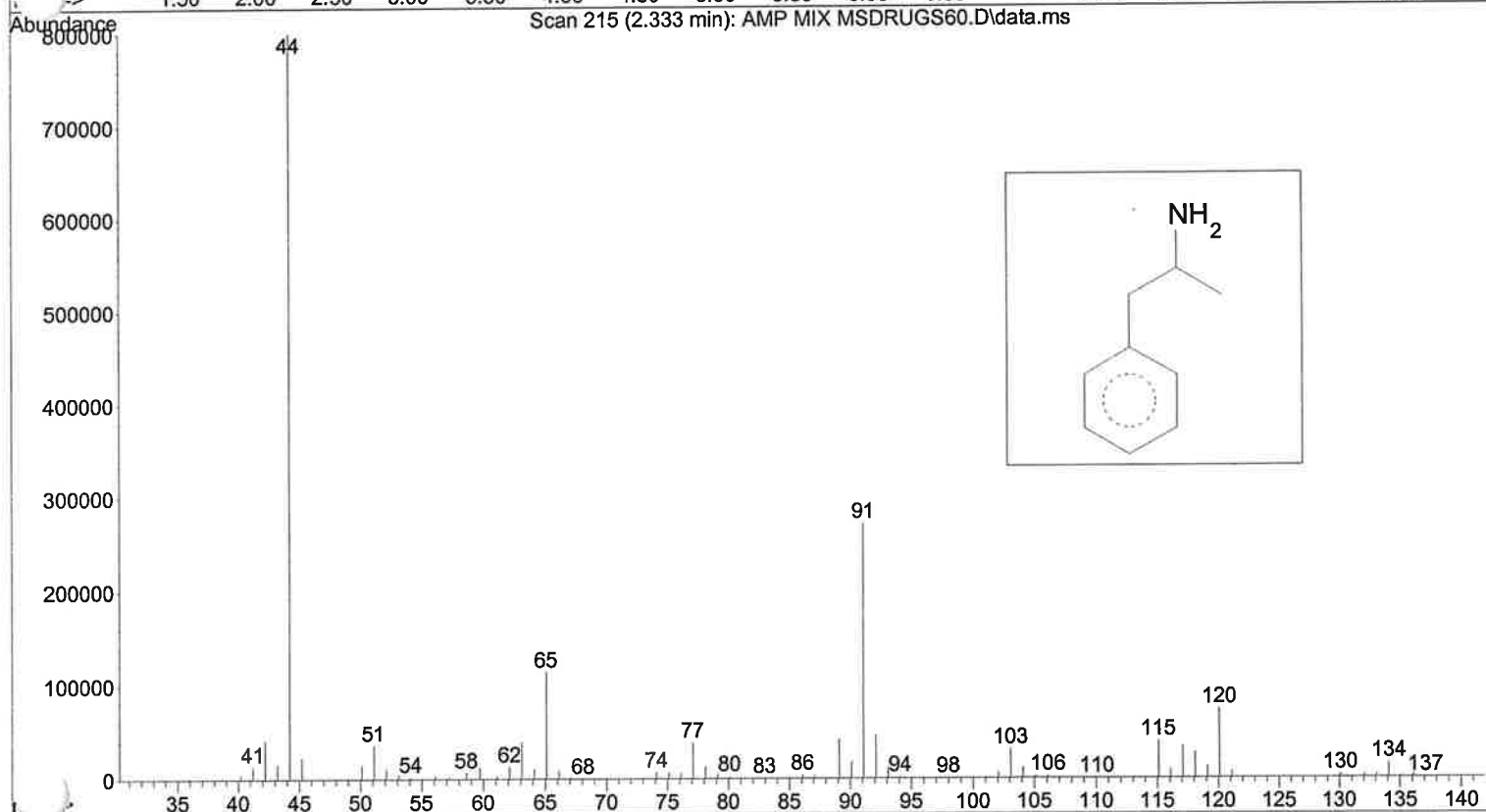
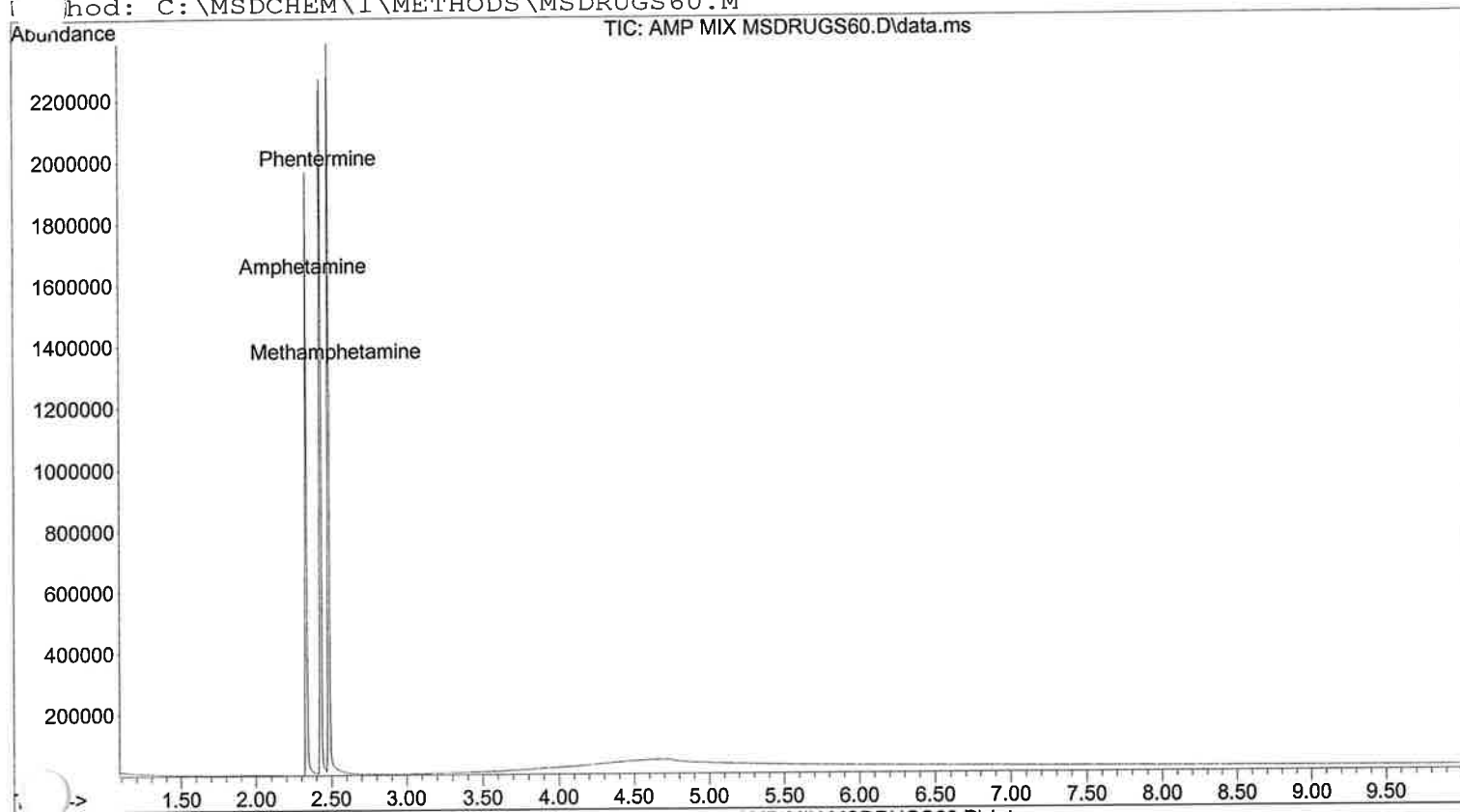
*= GC chromatographs had 2 prominent peaks or less (unable to attribute identification to suspected compound peaks)

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-03-14 C MSDRUGS60.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 3 Oct 2014 12:38
Information: Chloroform B Lank Misc. Information: Chloroform 60-280c@70c/min for :
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



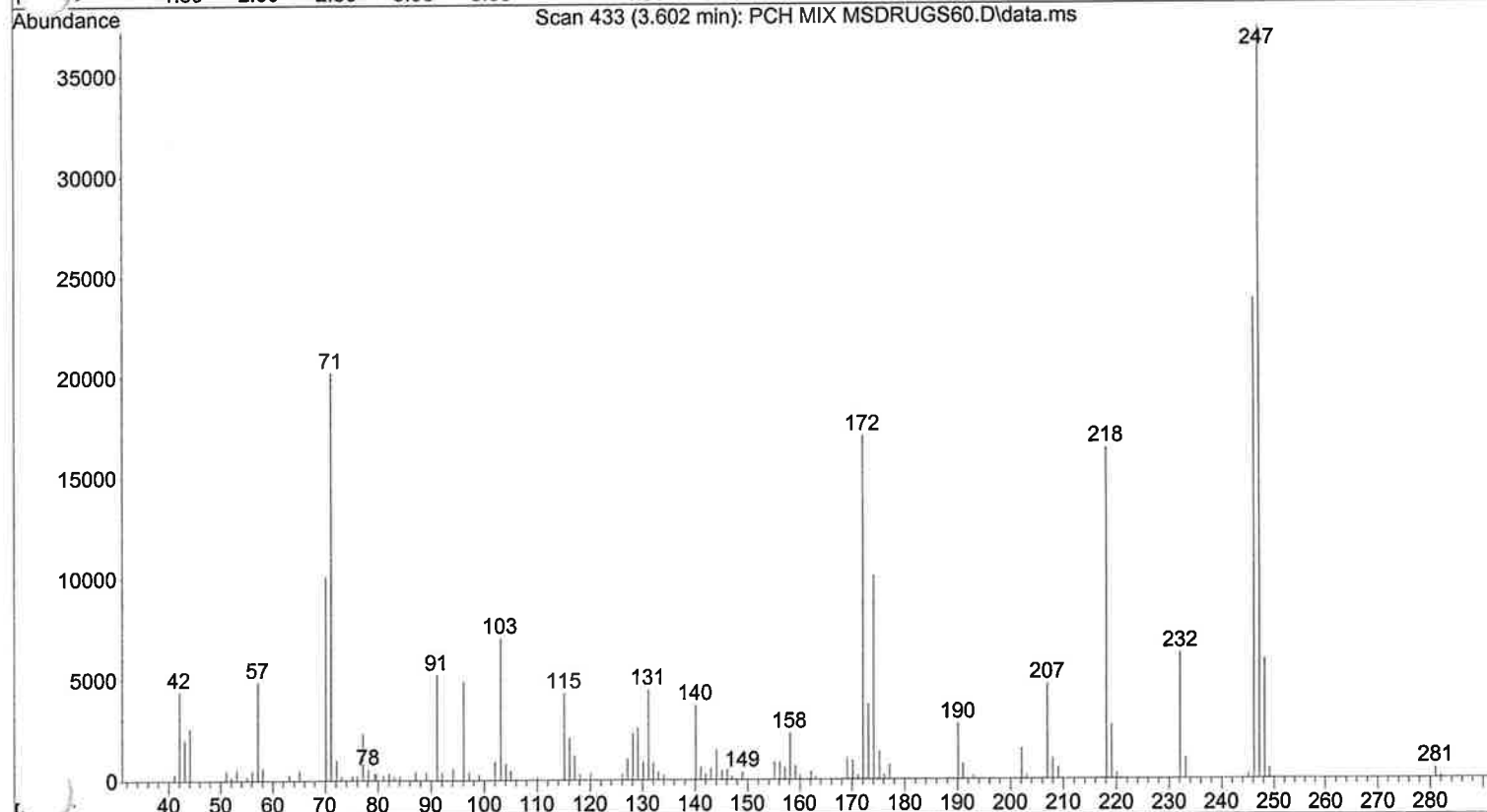
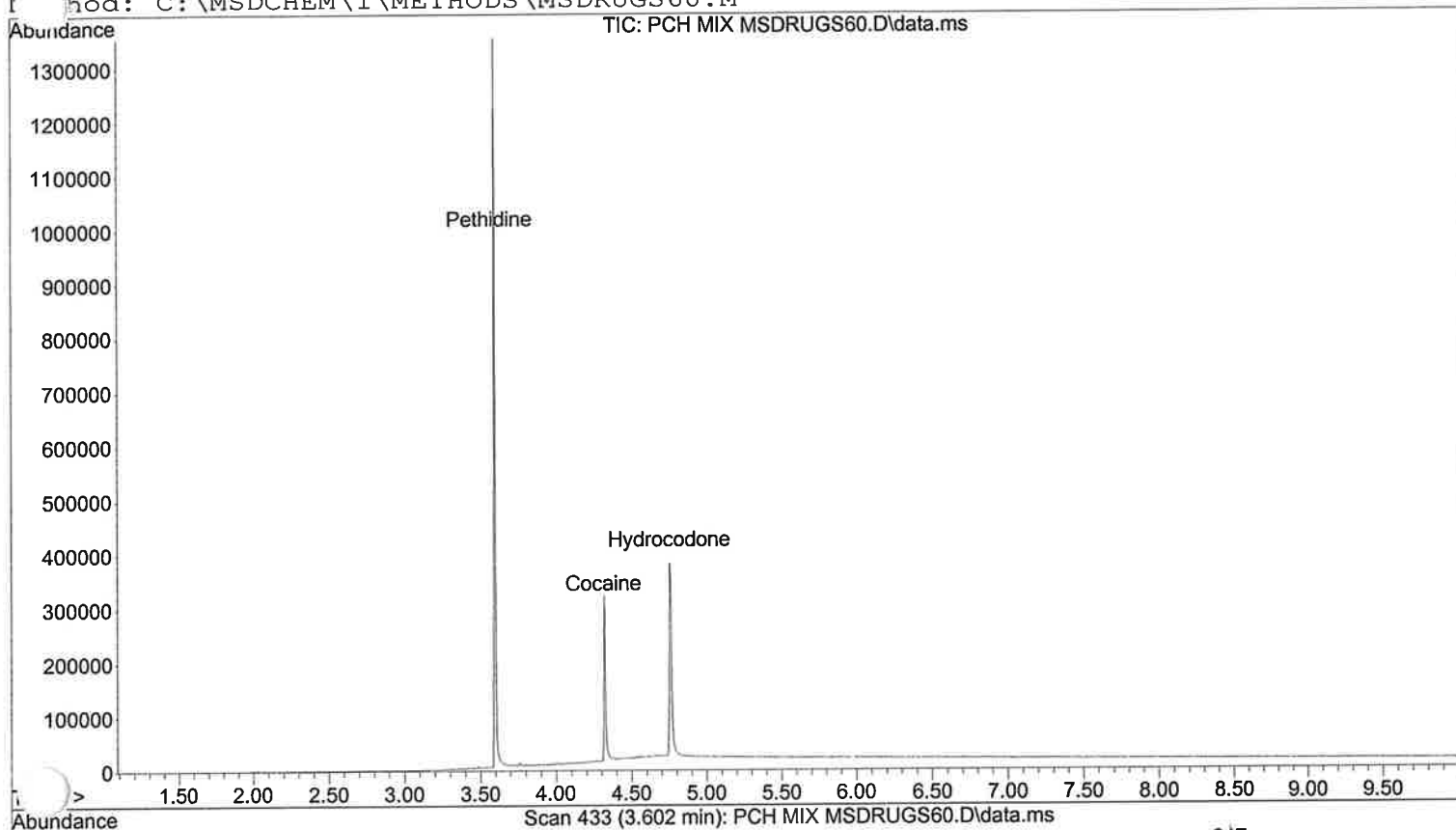
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 8.01 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AMP MIX MSDRUGS60.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 3 Oct 2014 12:53
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro:
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



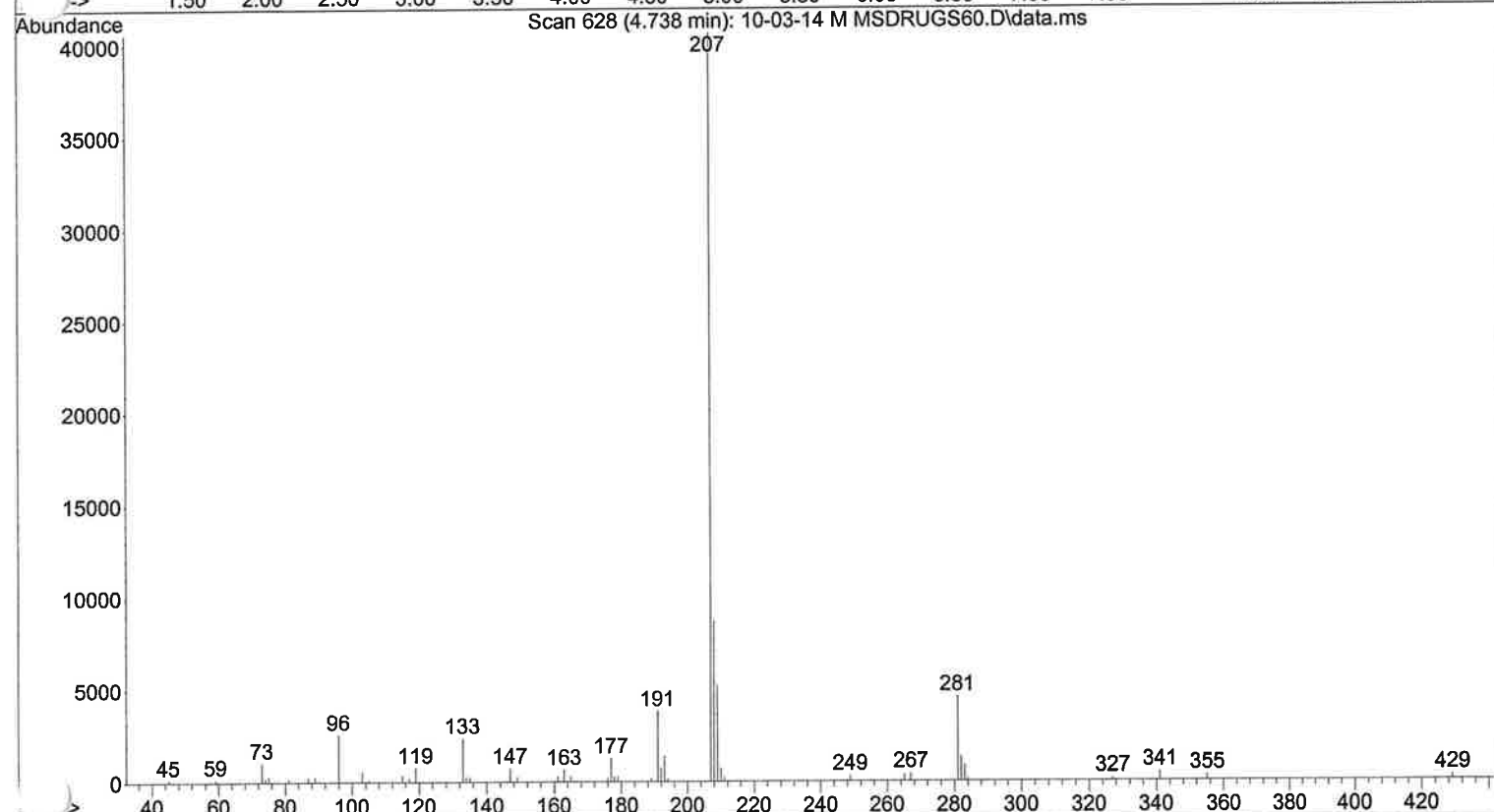
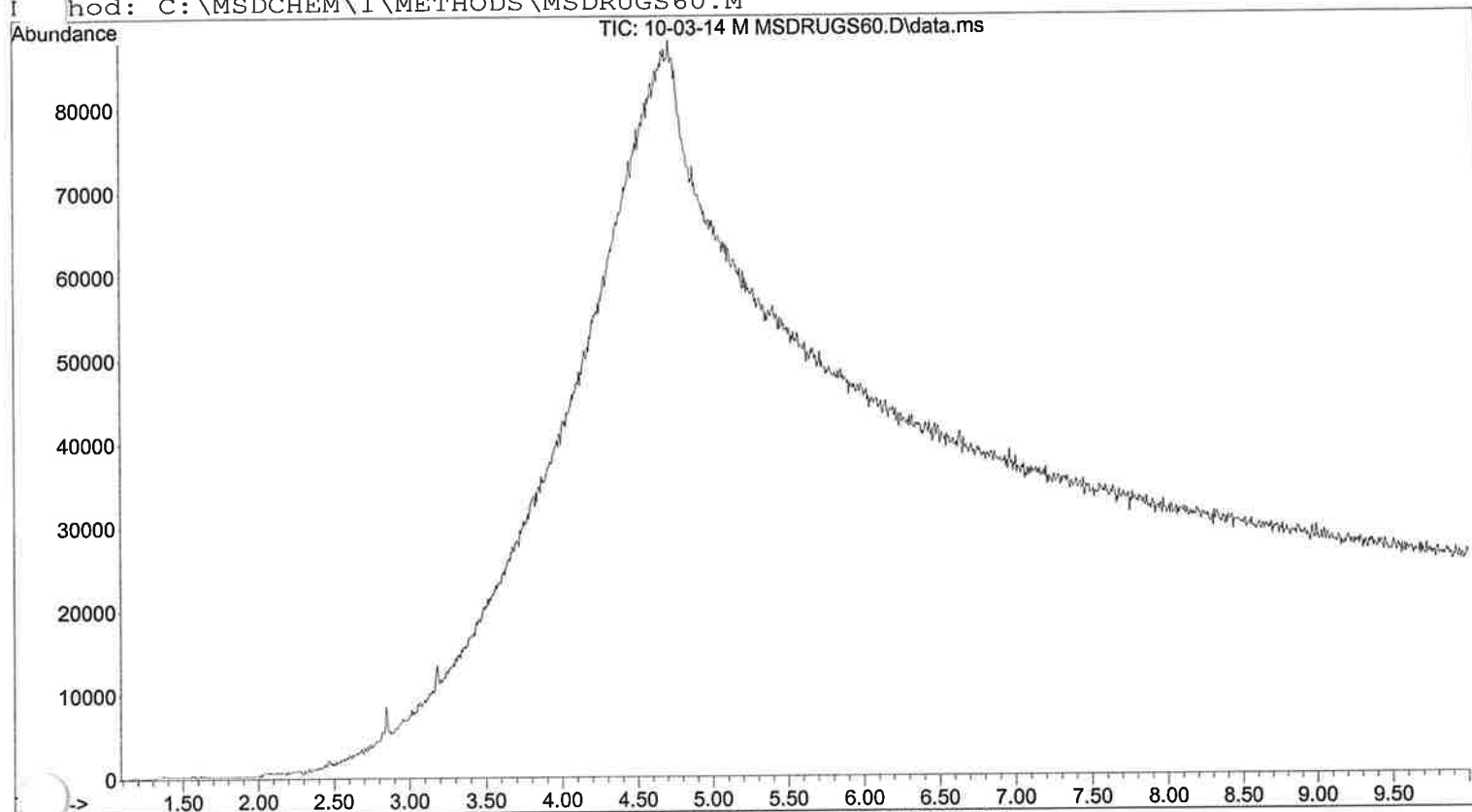
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 8.01 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\PCH MIX MSDRUGS60.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 3 Oct 2014 13:27
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 60-280°C
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



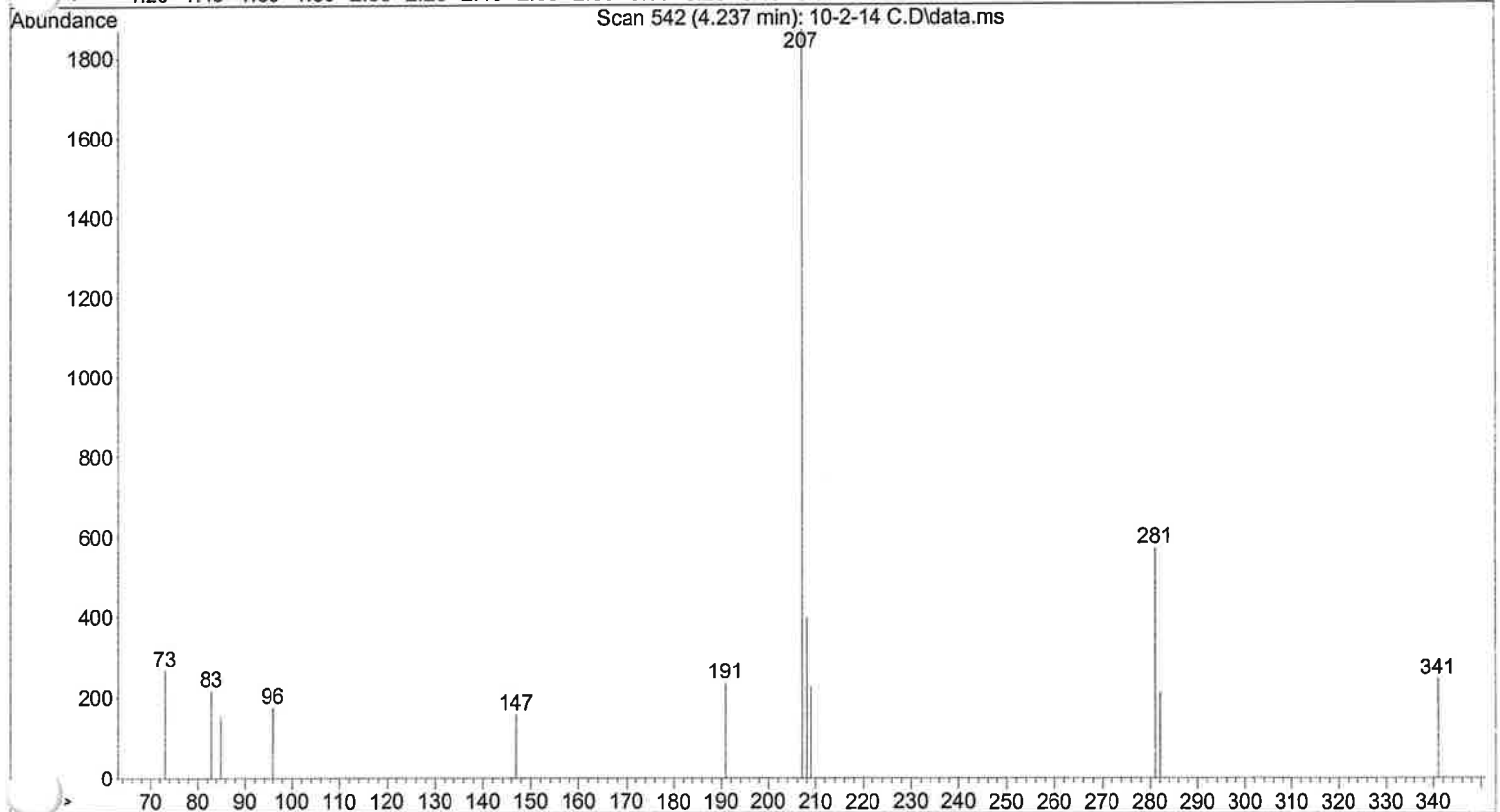
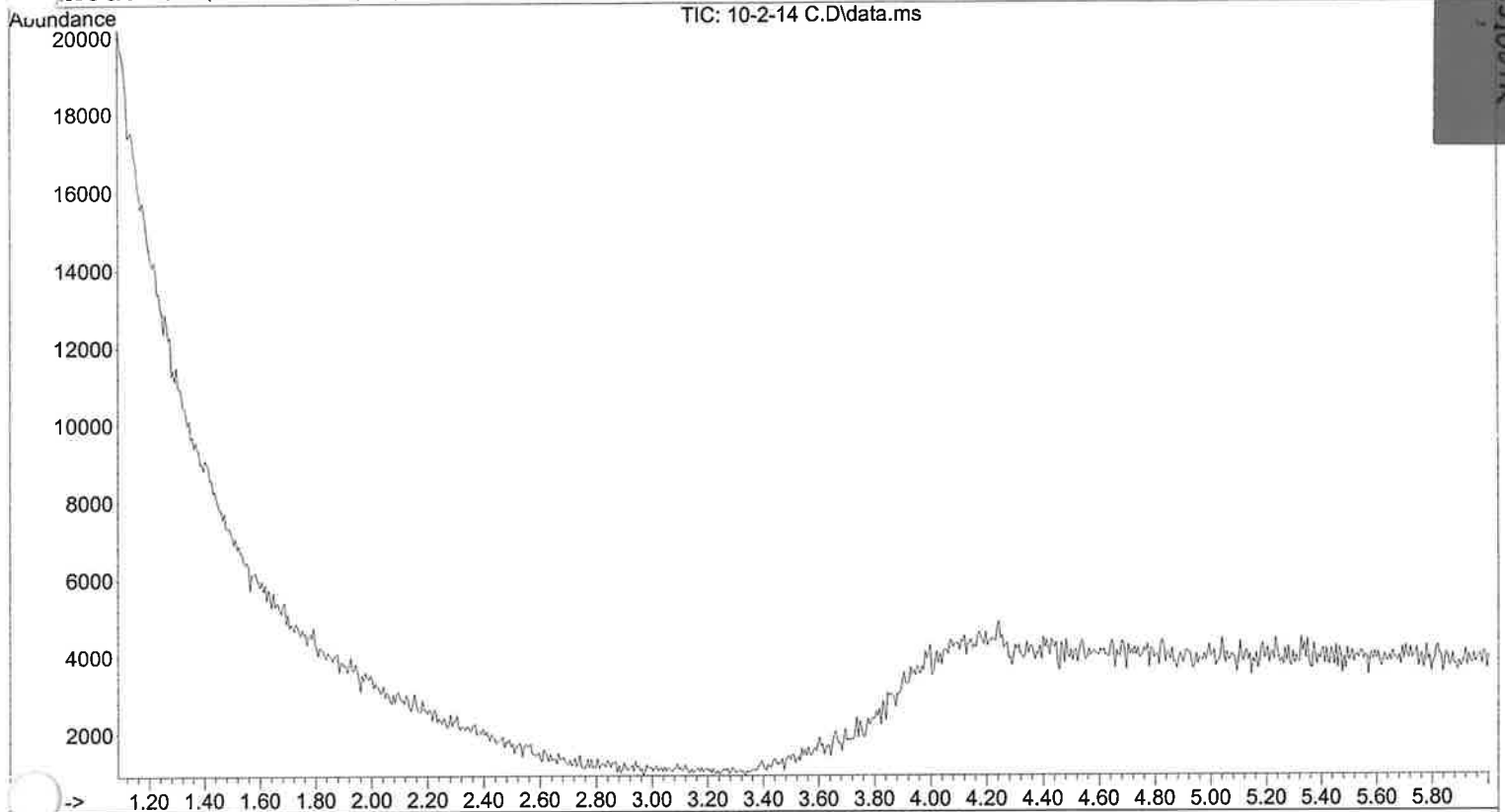
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 8.01 psi
Inlet temperature: 250 °C Split Ratio: 50:1 Transfer Line Temp: 280 °C
Initial oven temp: 60 °C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-03-14 M MSDRUGS60.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 3 Oct 2014 13:10
Information: Methanol Blank Misc. Information: Methanol 60-280c@70c/min for 10 m:
Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



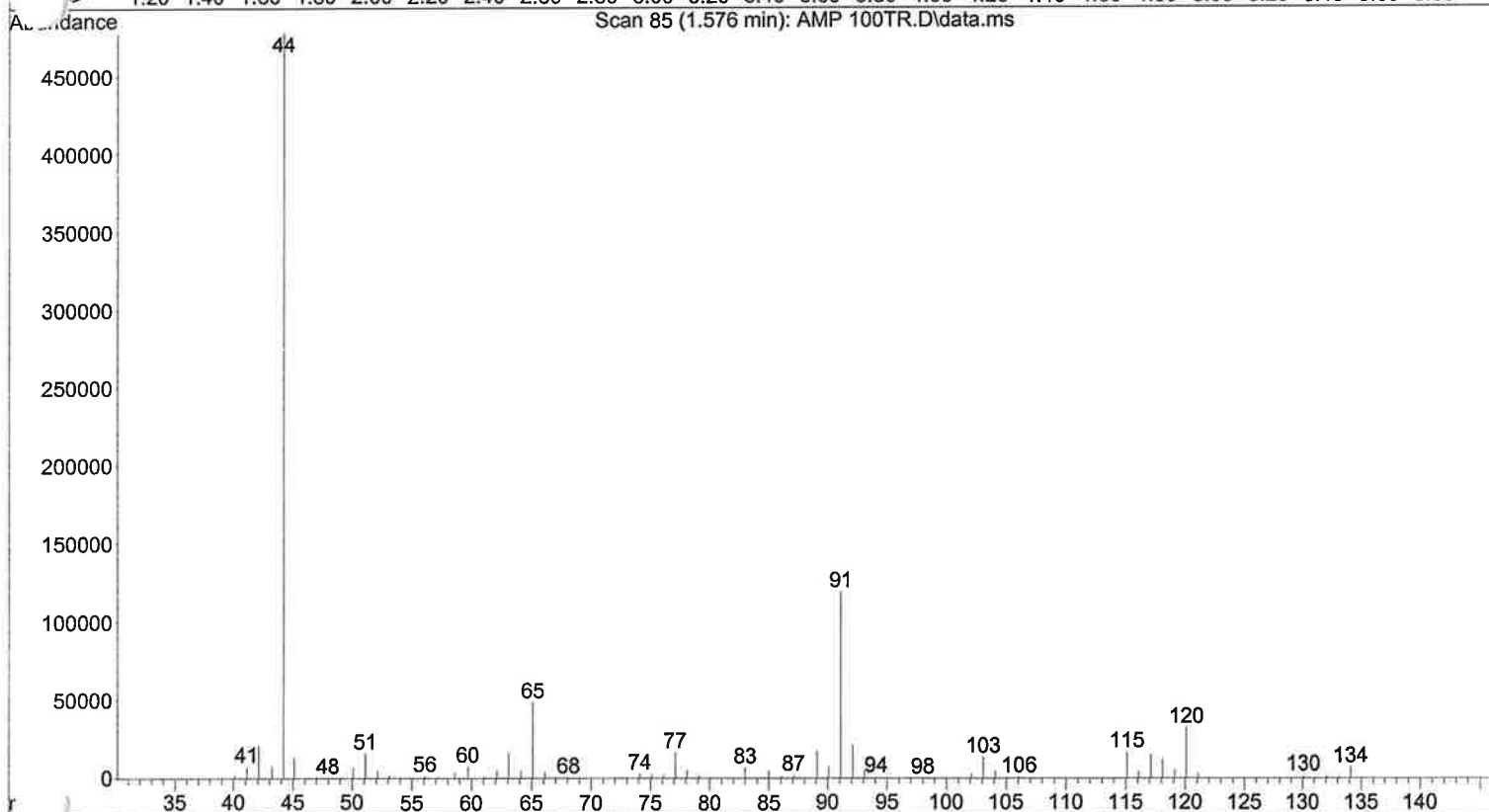
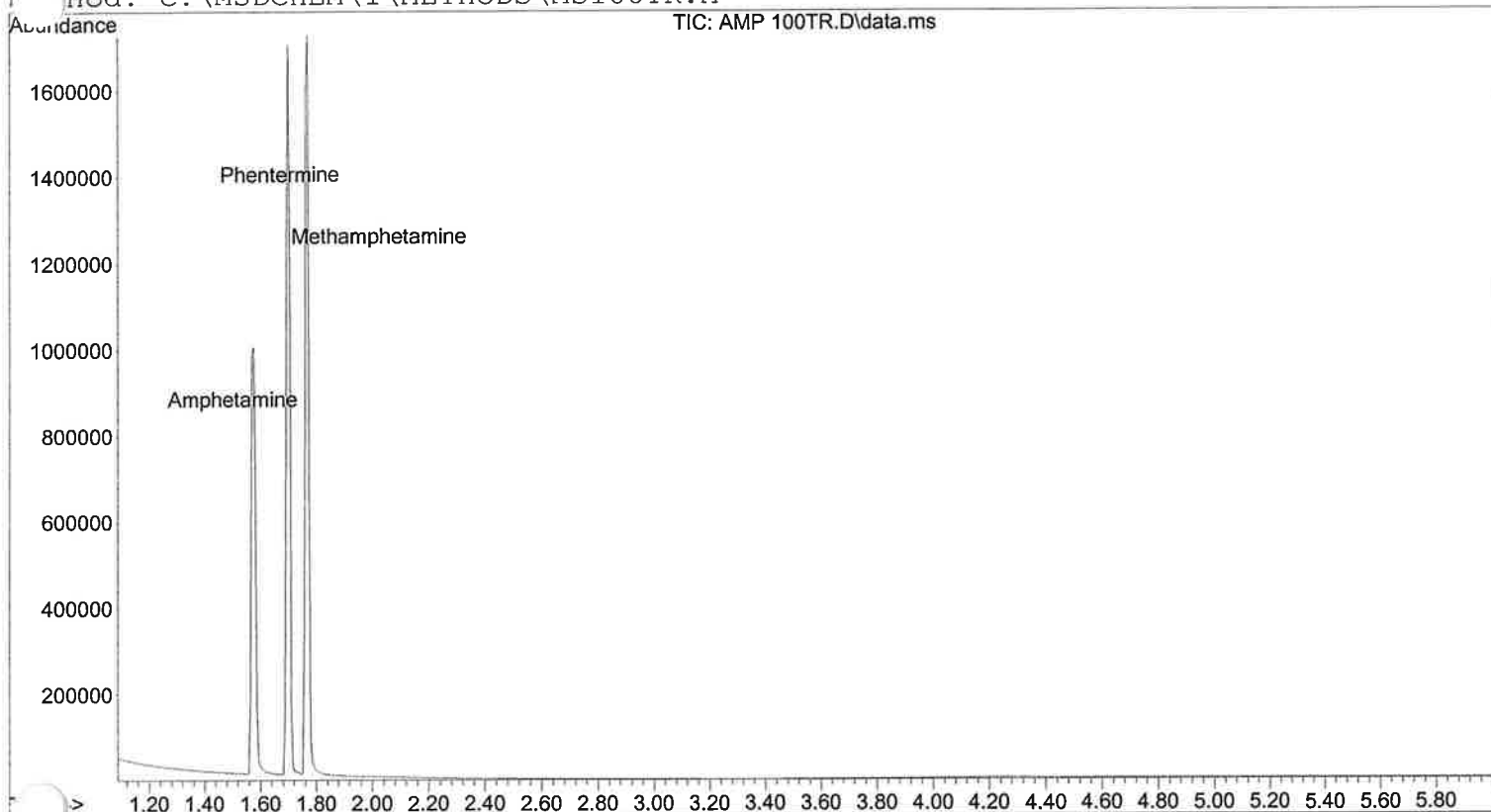
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 8.01 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-2-14 C.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 2 Oct 2014 9:59
Information: Chloroform Blank MS100TR Misc. Information: 100-280C @70C/min for
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



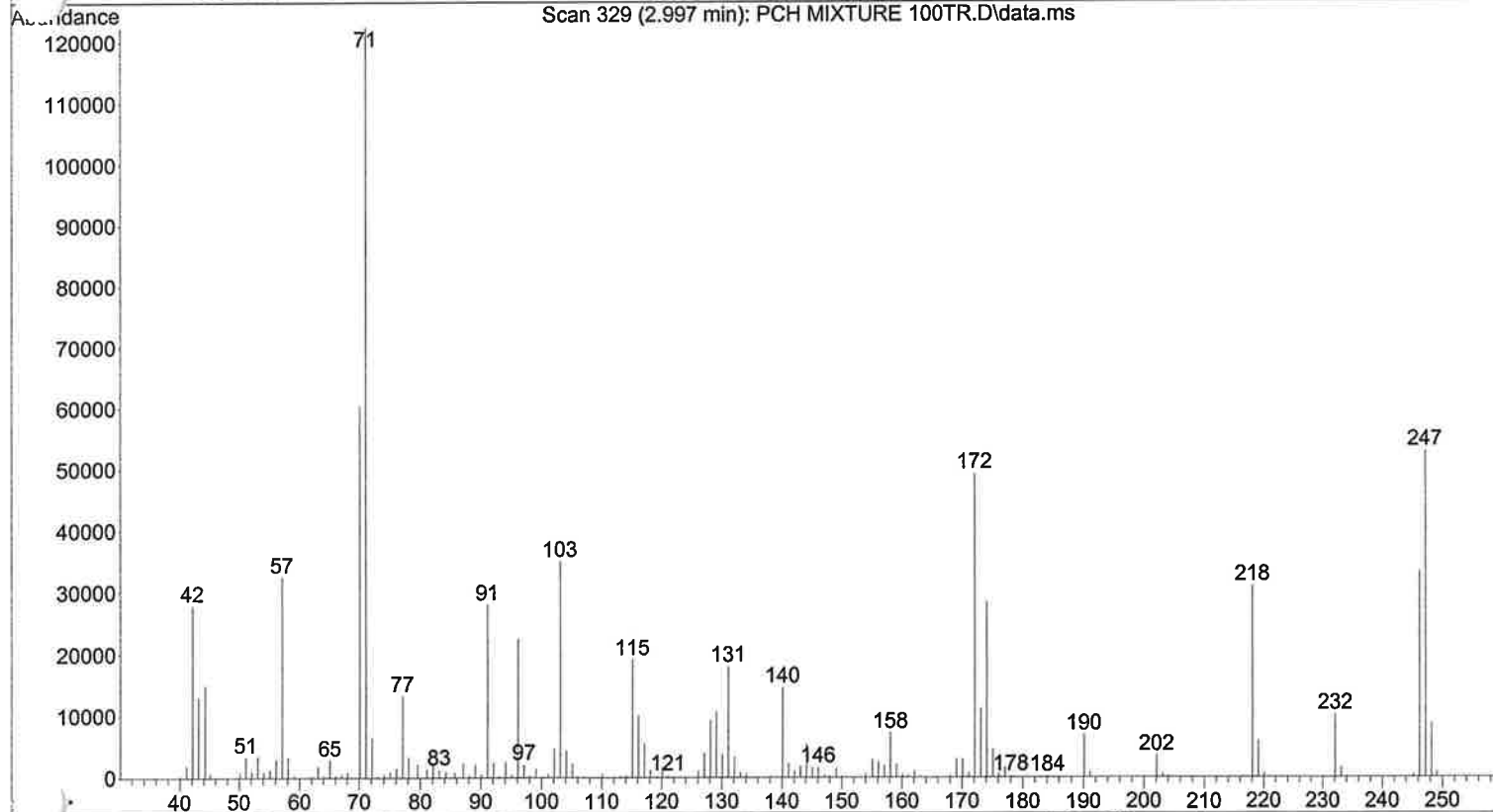
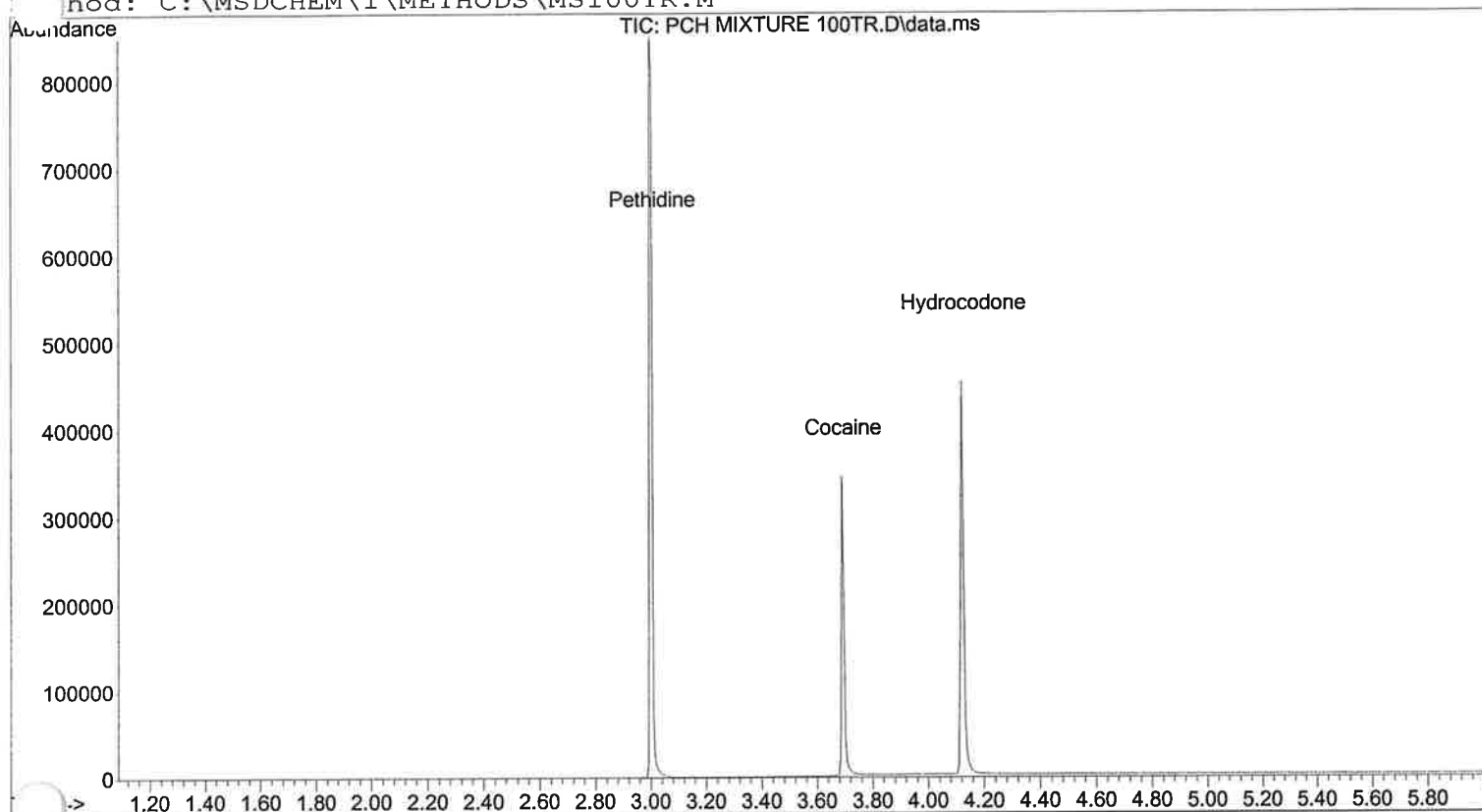
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.28 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AMP 100TR.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 2 Oct 2014 10:13
Information: Amphetamine, Methamphetamine, Phentermine Mix Misc. Information: Ch:
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



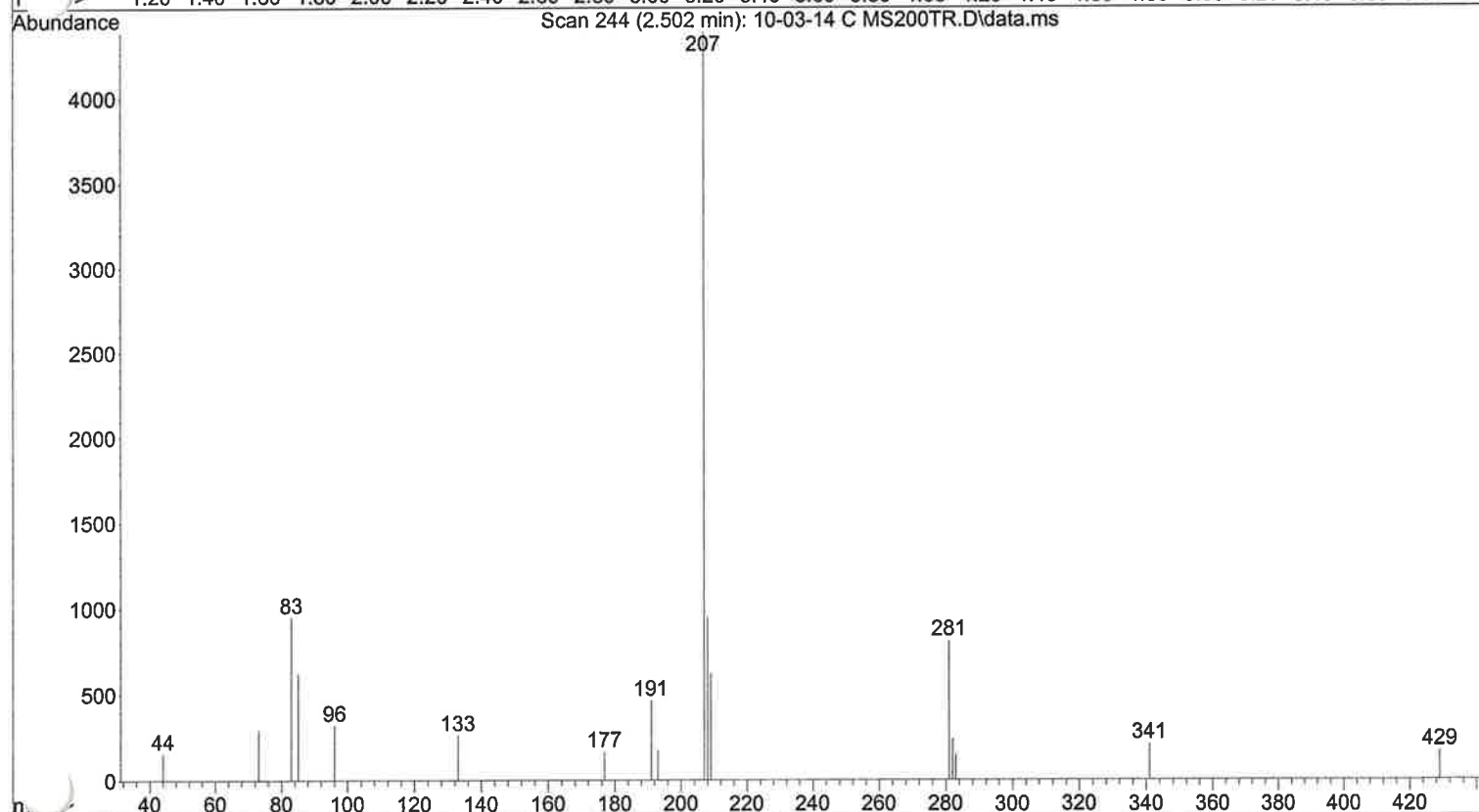
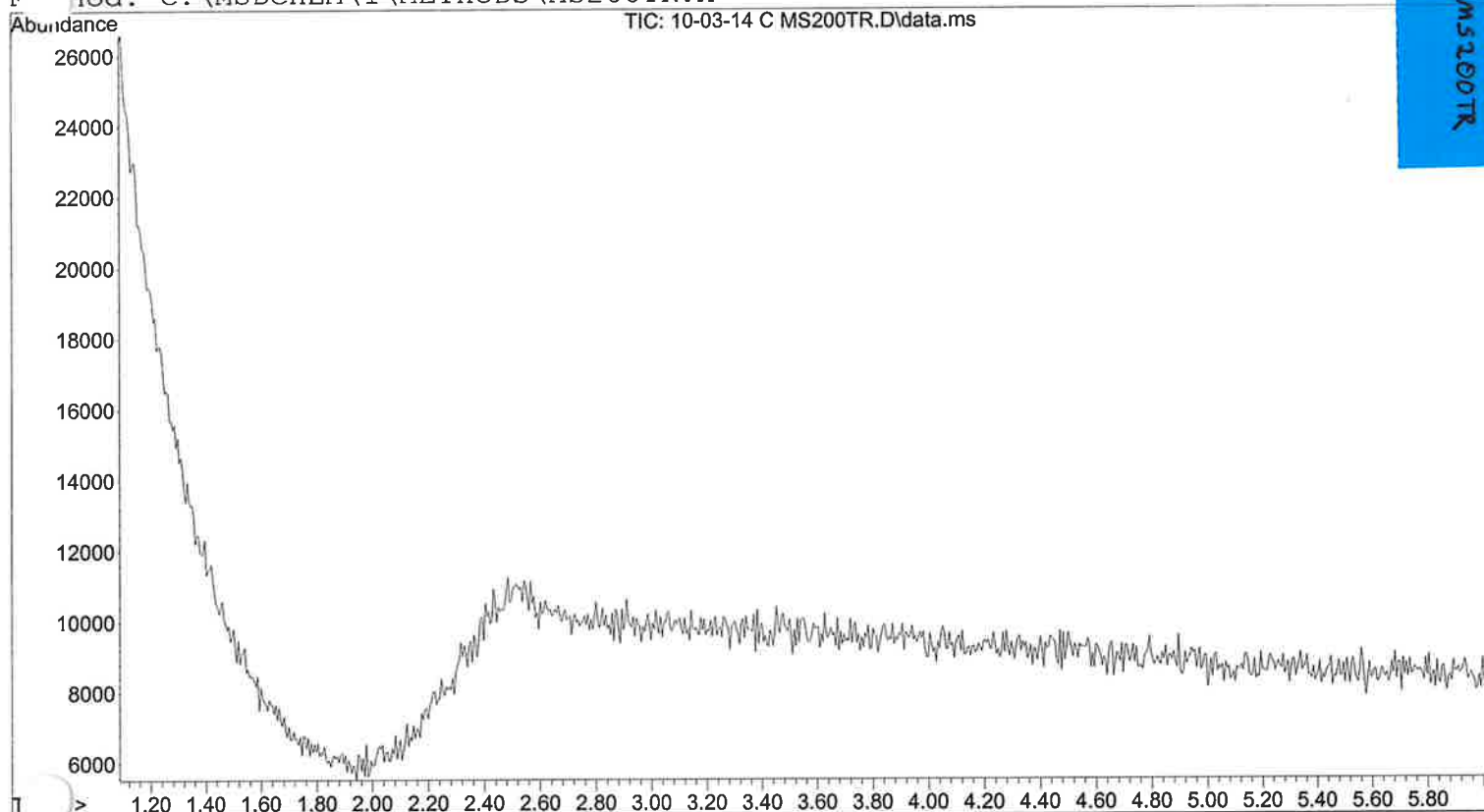
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.28 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\PCH MIXTURE 100
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 2 Oct 2014 10:31
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Exp 1/29/15 100-
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



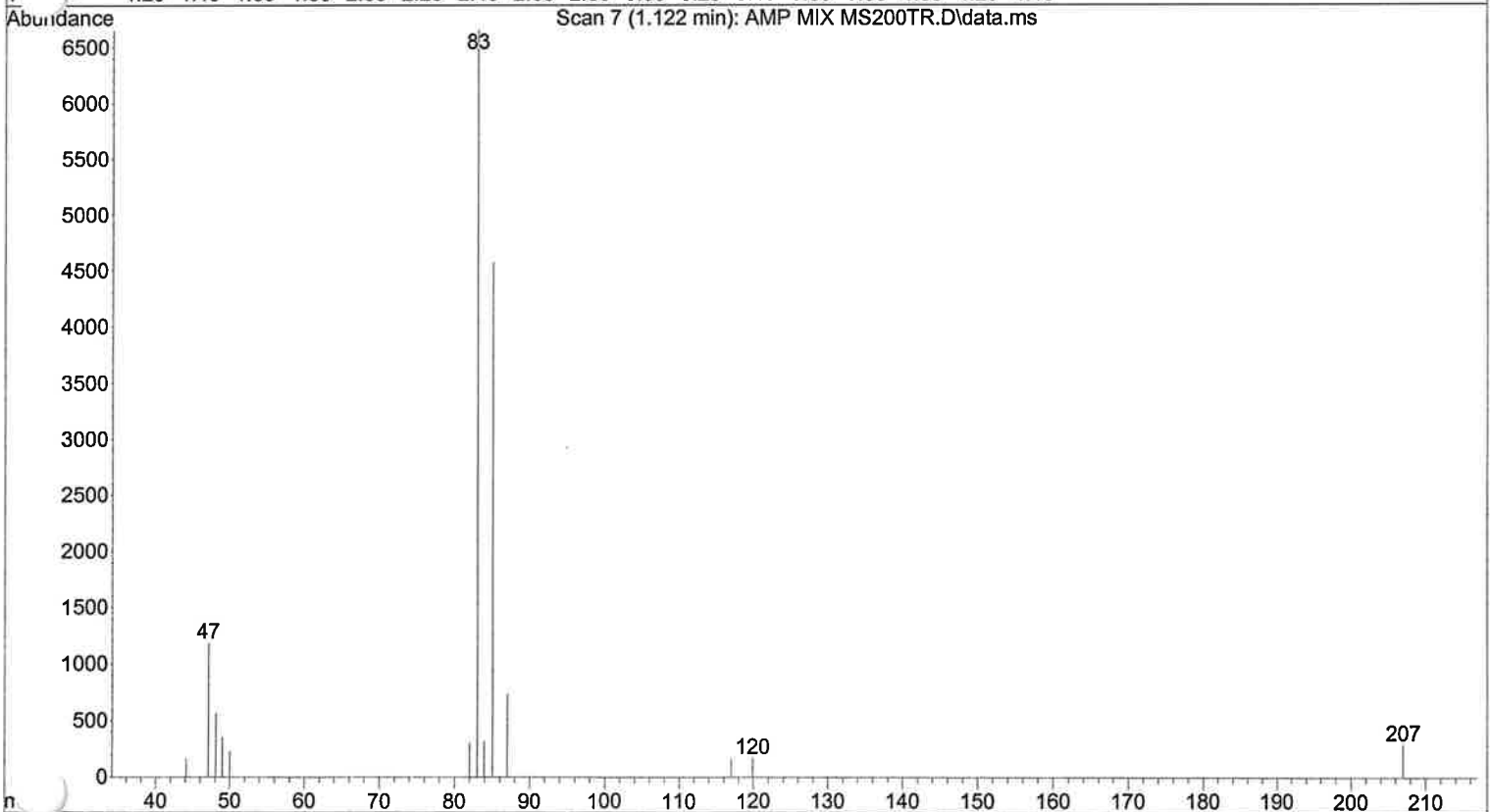
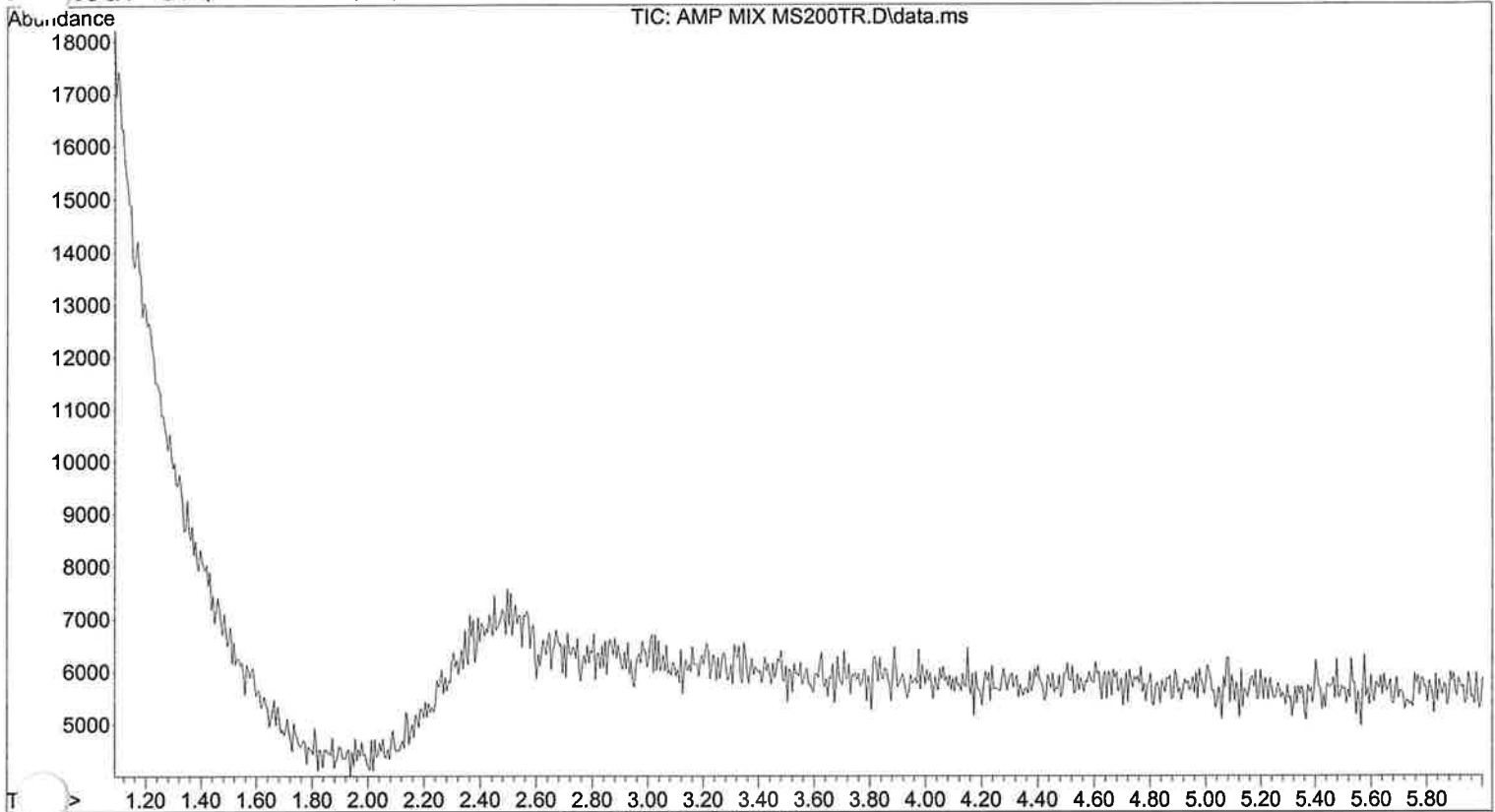
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.28 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-03-14 C MS200
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 3 Oct 2014 13:39
Information: Chloroform Blank Misc. Information: Chloroform 200-280c@70c/min for
Method: C:\MSDCHEM\1\METHODS\MS200TR.M



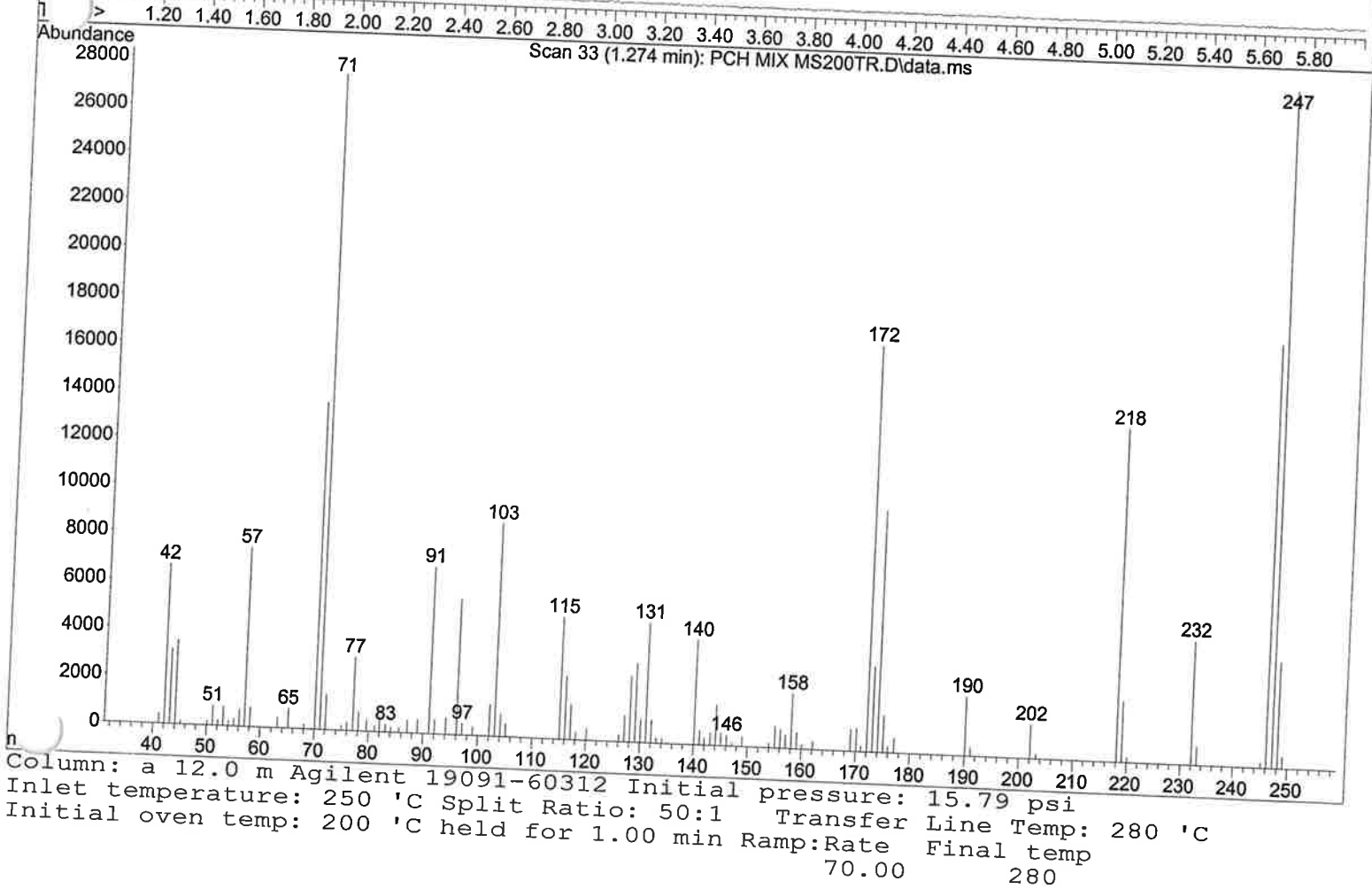
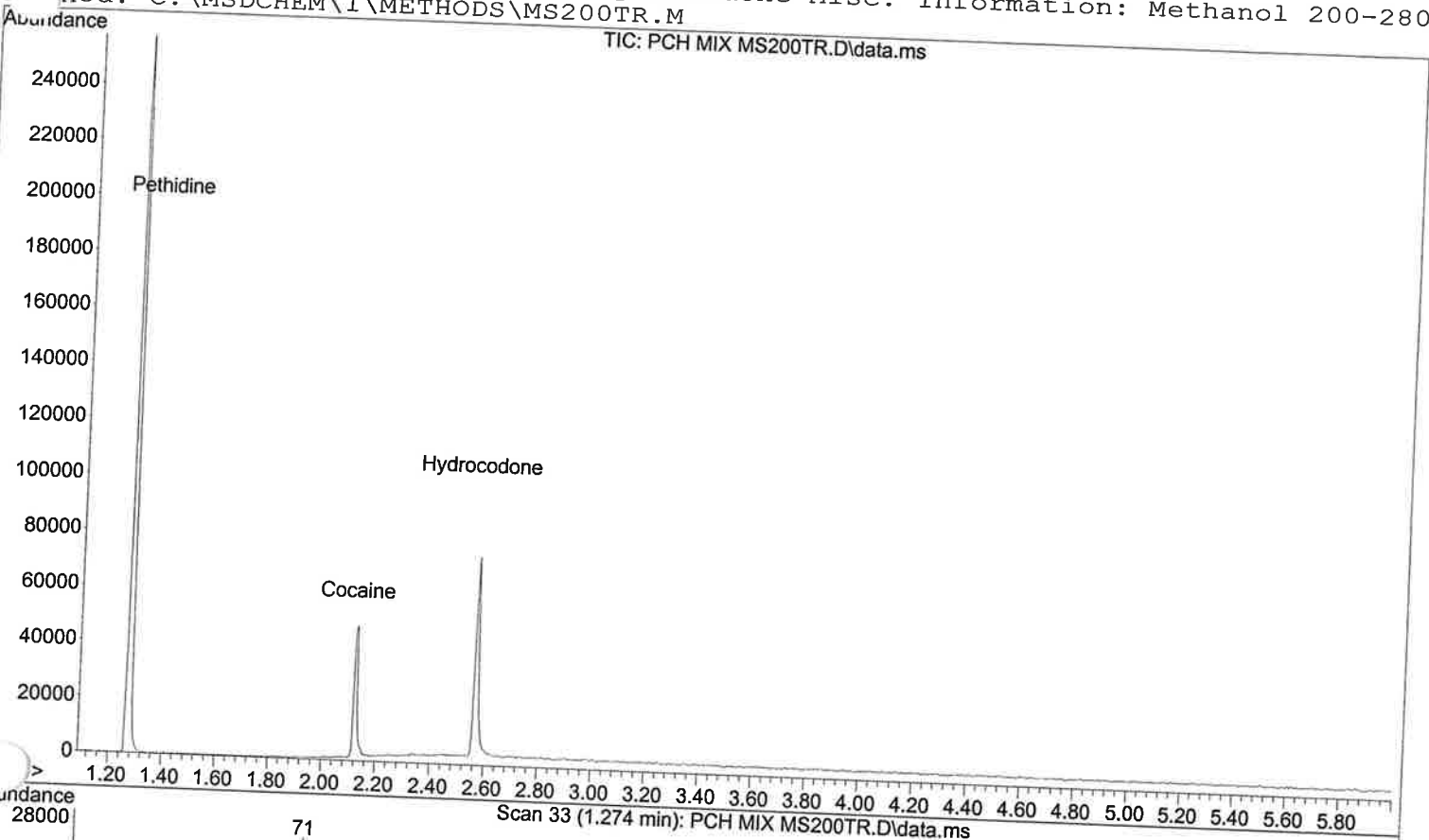
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 15.79 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AMP MIX MS200TR
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 3 Oct 2014 13:50
Information: Amphetamine, Phentermine, Methamphetamine Misc. Information: Chloro:
Method: C:\MSDCHEM\1\METHODS\MS200TR.M



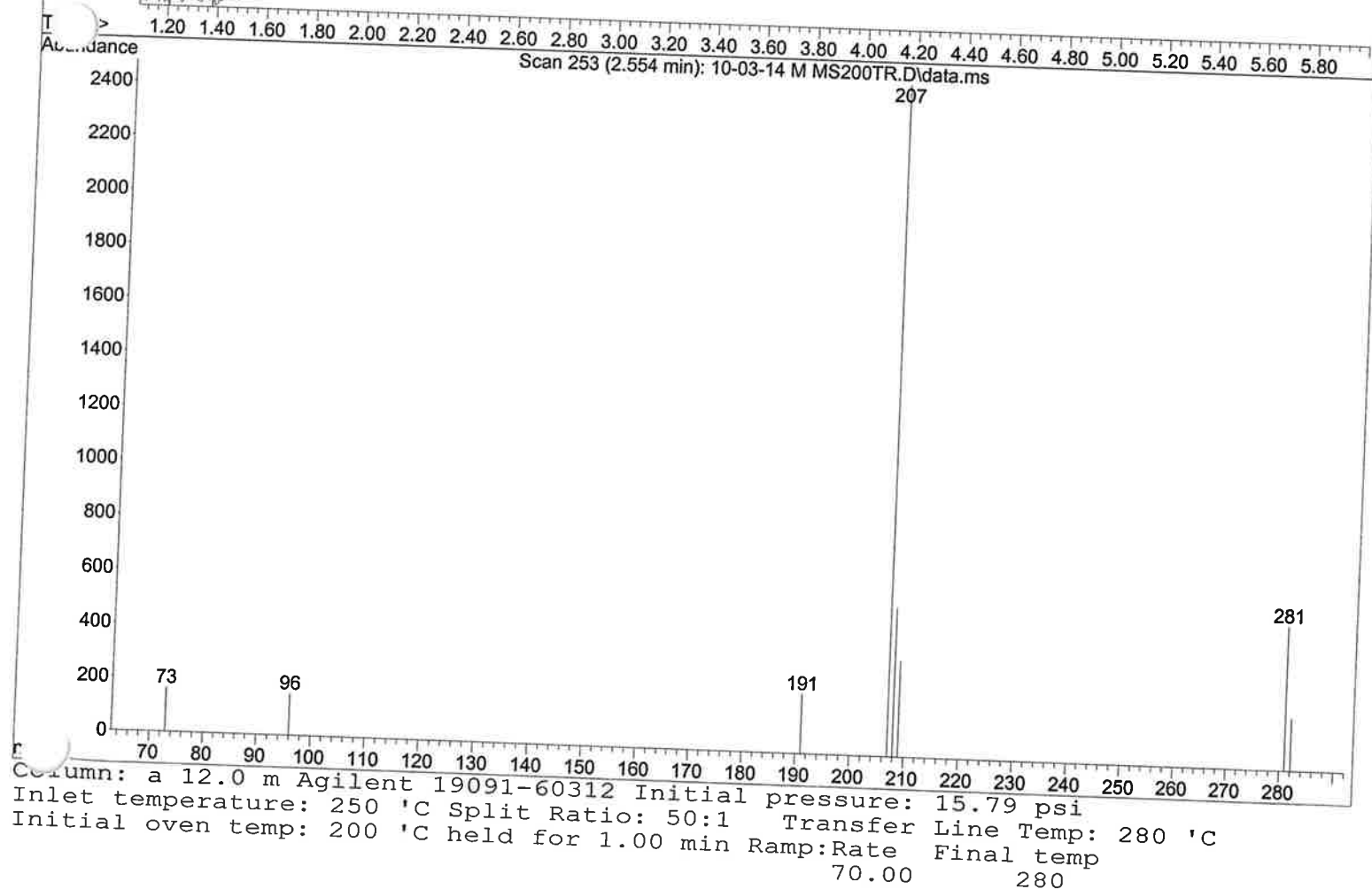
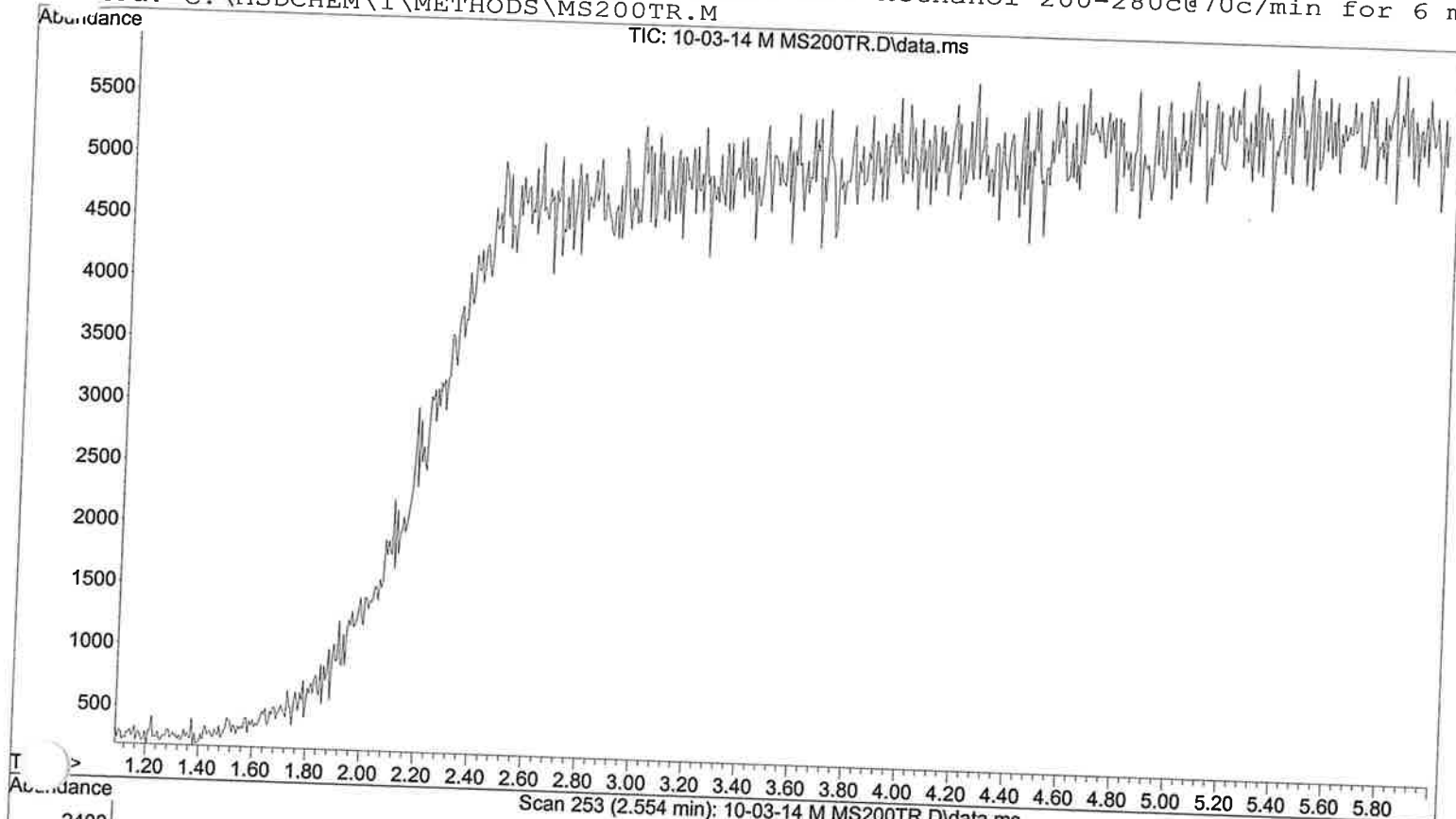
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 15.79 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\PCH MIX MS200TR
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 3 Oct 2014 14:05
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 200-280
Method: C:\MSDCHEM\1\METHODS\MS200TR.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-03-14 M MS200
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 3 Oct 2014 13:58
Information: Methanol blank Misc. Information: Methanol 200-280c@70c/min for 6 m:
Method: C:\MSDCHEM\1\METHODS\MS200TR.M

TIC: 10-03-14 M MS200TR.D\data.ms



Column: a 12.0 m Agilent 19091-60312 Initial pressure: 15.79 psi
Inlet temperature: 250 °C Split Ratio: 50:1 Transfer Line Temp: 280 °C
Initial oven temp: 200 °C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

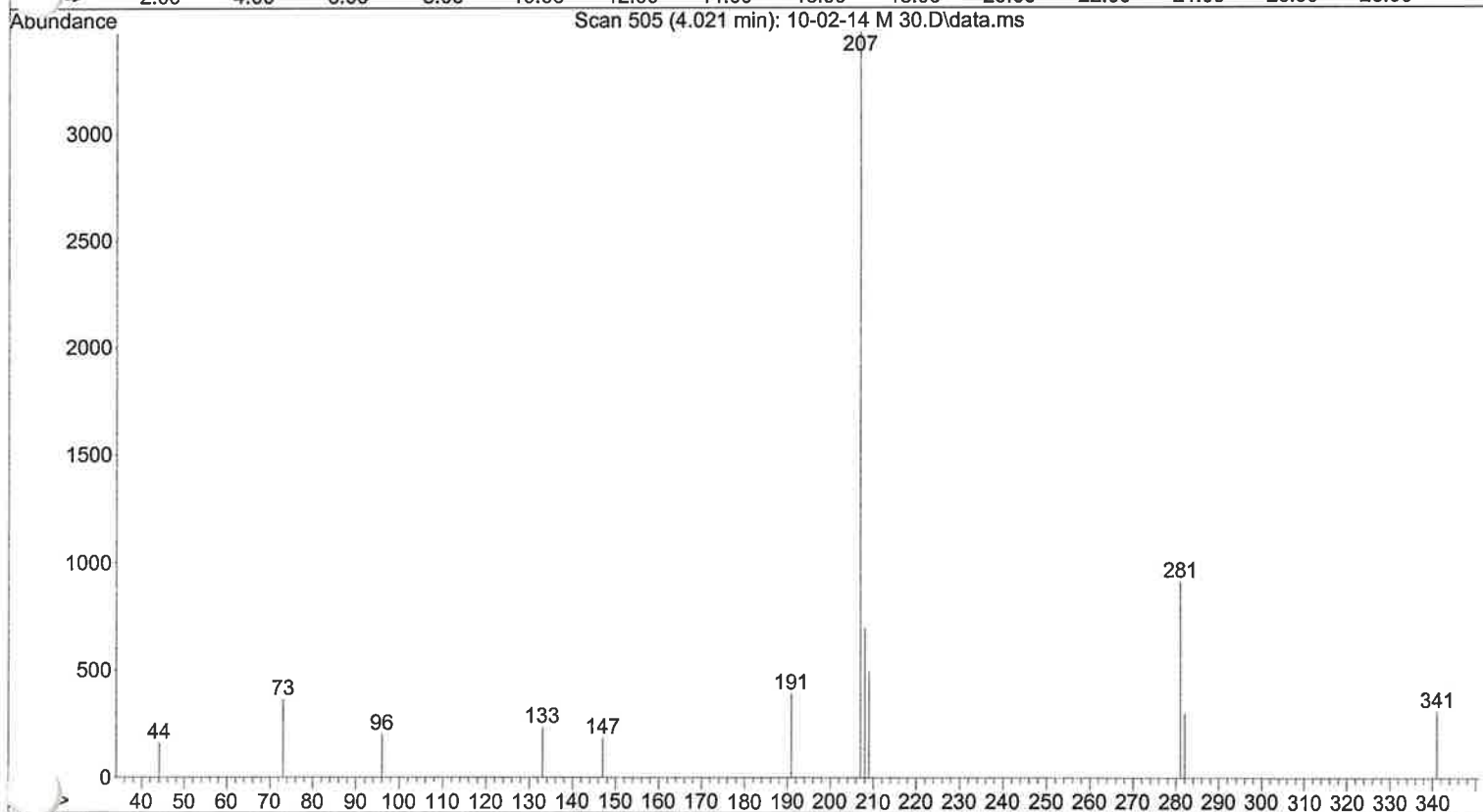
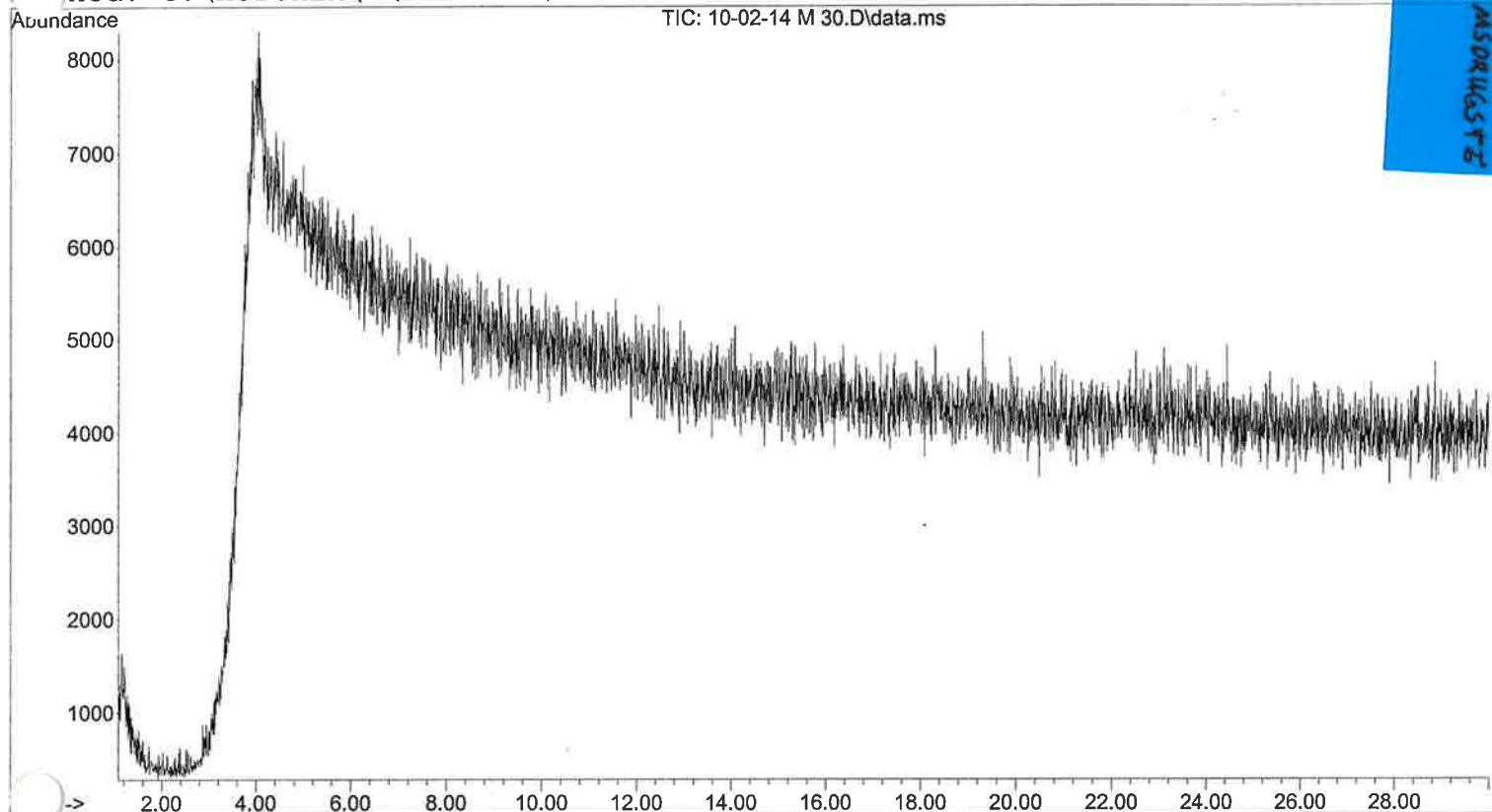
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-02-14 M 30.D

Instrument: Gumbo (model: 5973N Serial number: US40620428)

Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 2 Oct 2014 7:43

Information: Methanol Blank 10/2/14 Misc. Information: Methanol 100-280c@70c/min
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



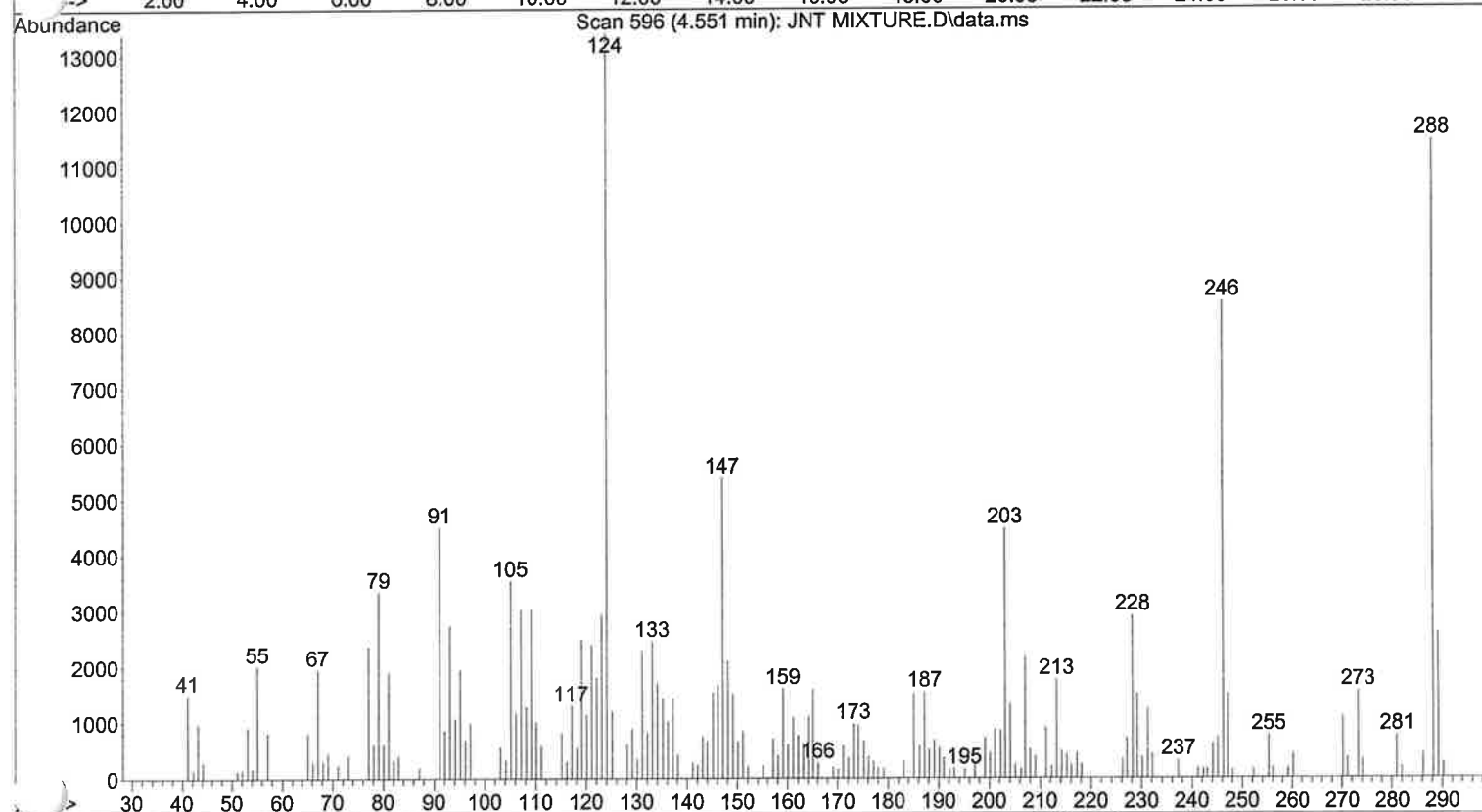
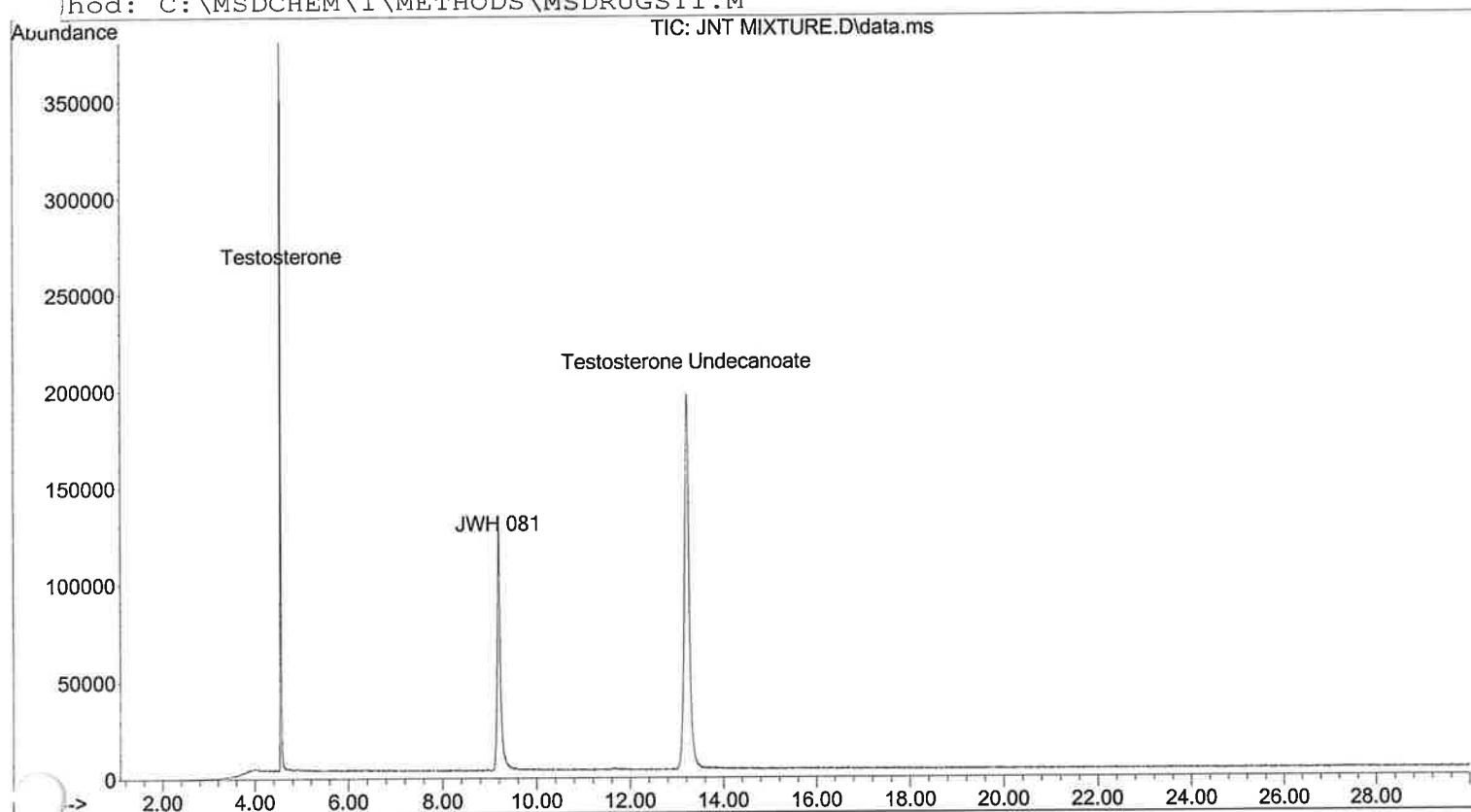
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.28 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

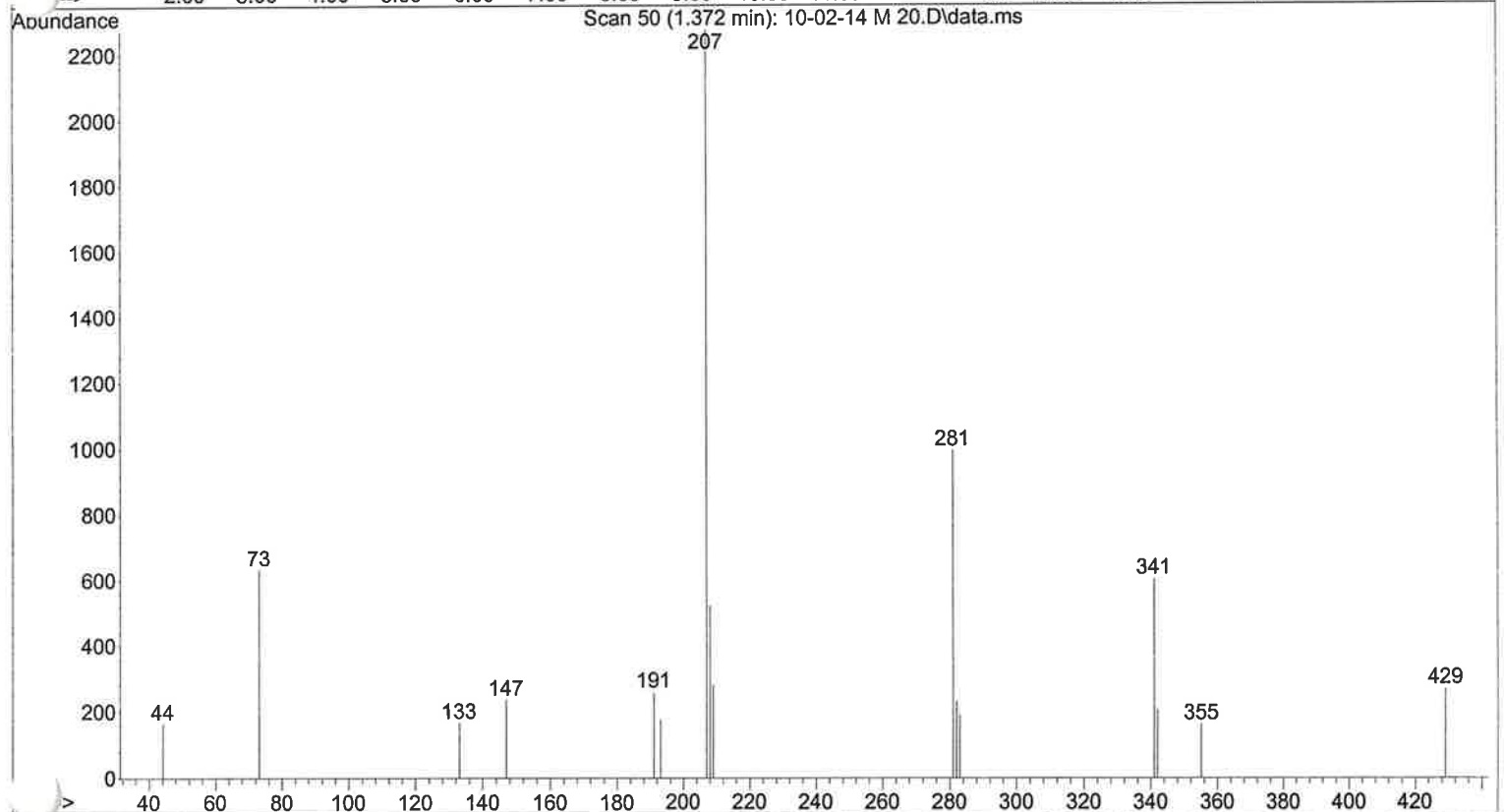
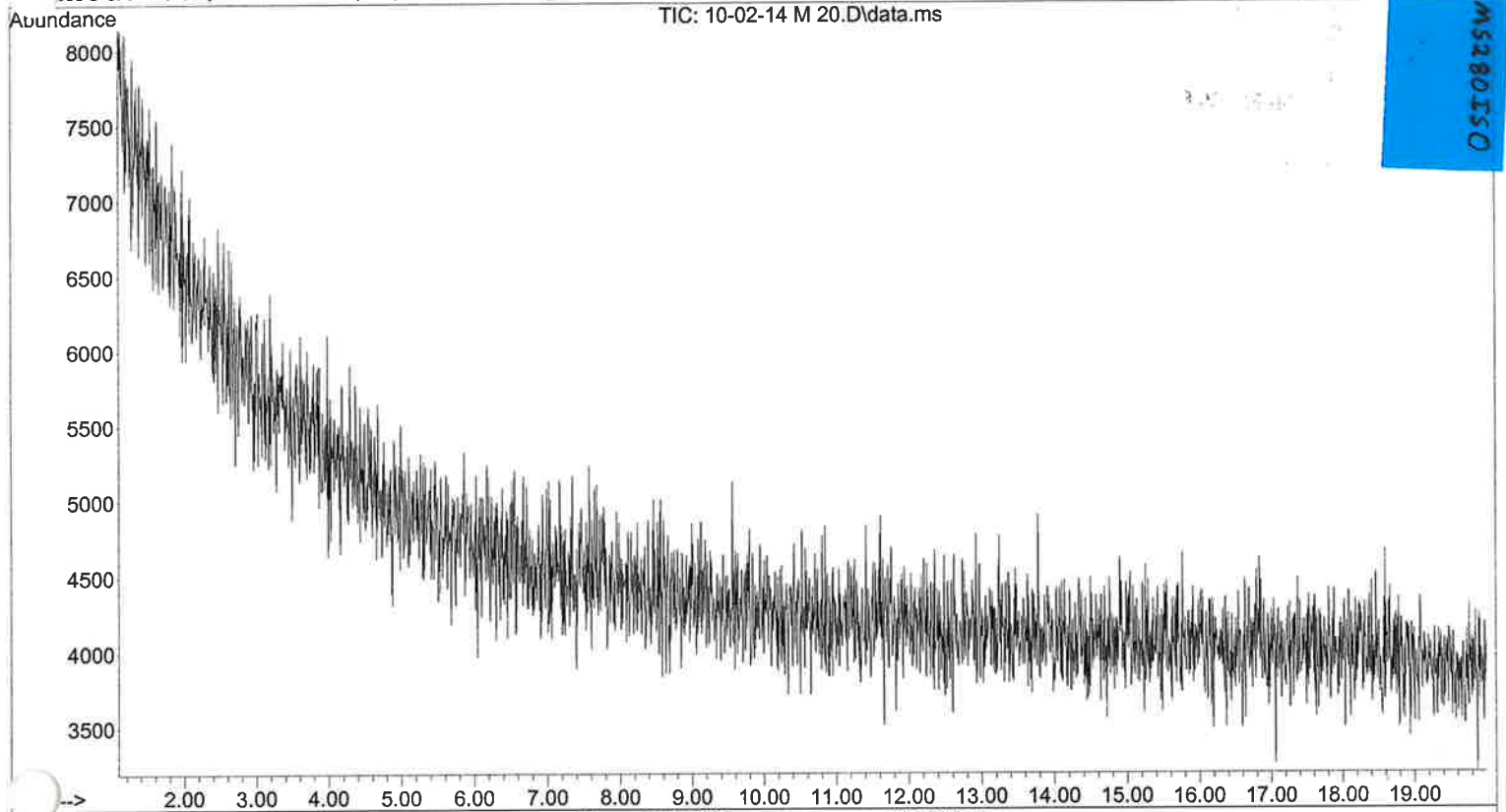
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\JNT MIXTURE.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 2 Oct 2014 8:16
Information: JWH, Nandrolone, Testosterone Exp 9/11/15 Misc. Information: 100-26
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



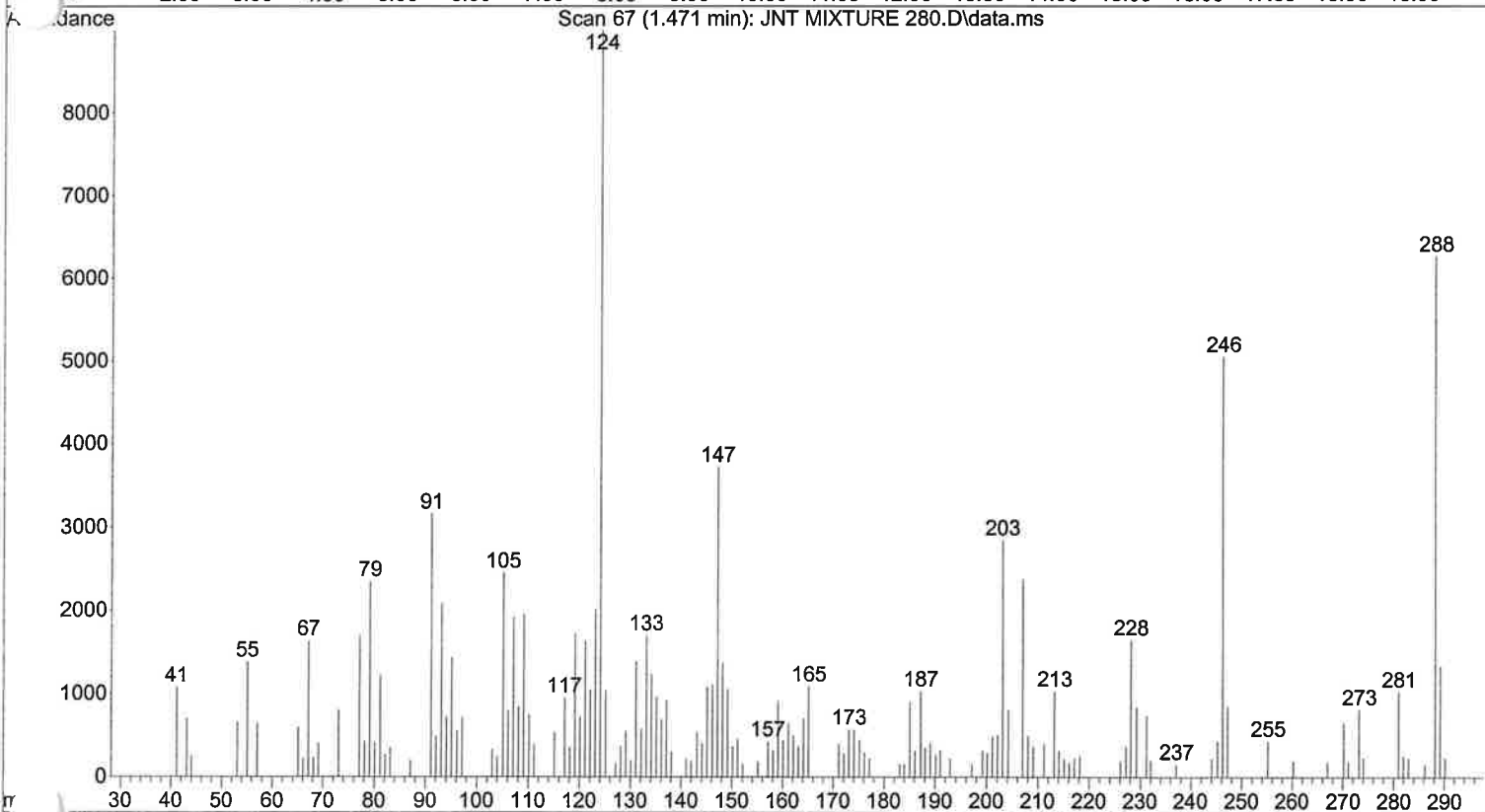
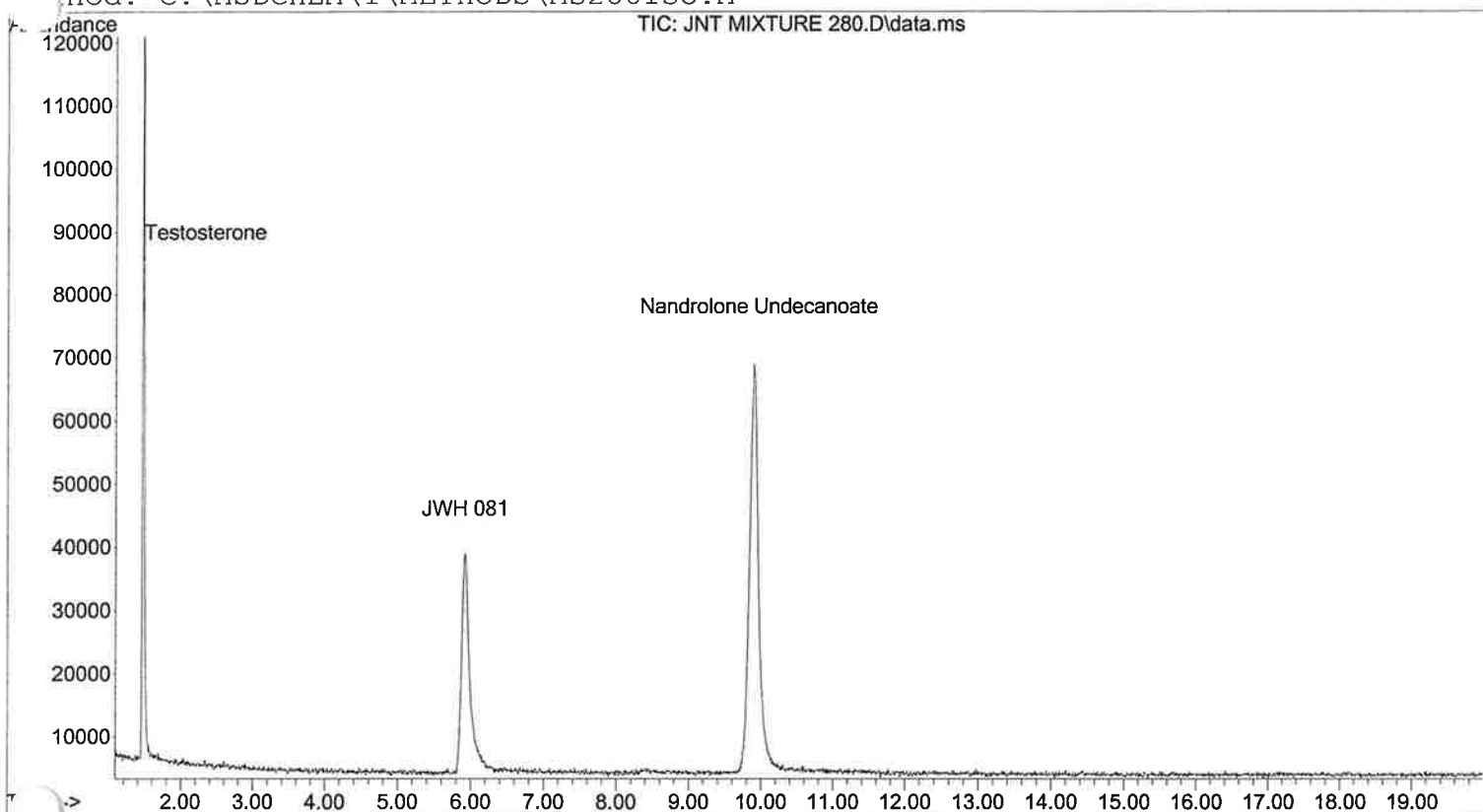
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.28 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-02-14 M 20.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 2 Oct 2014 9:06
Information: Methanol Blank 280ISO method Misc. Information: 280c for 20min
Method: C:\MSDCHEM\1\METHODS\MS280ISO.M



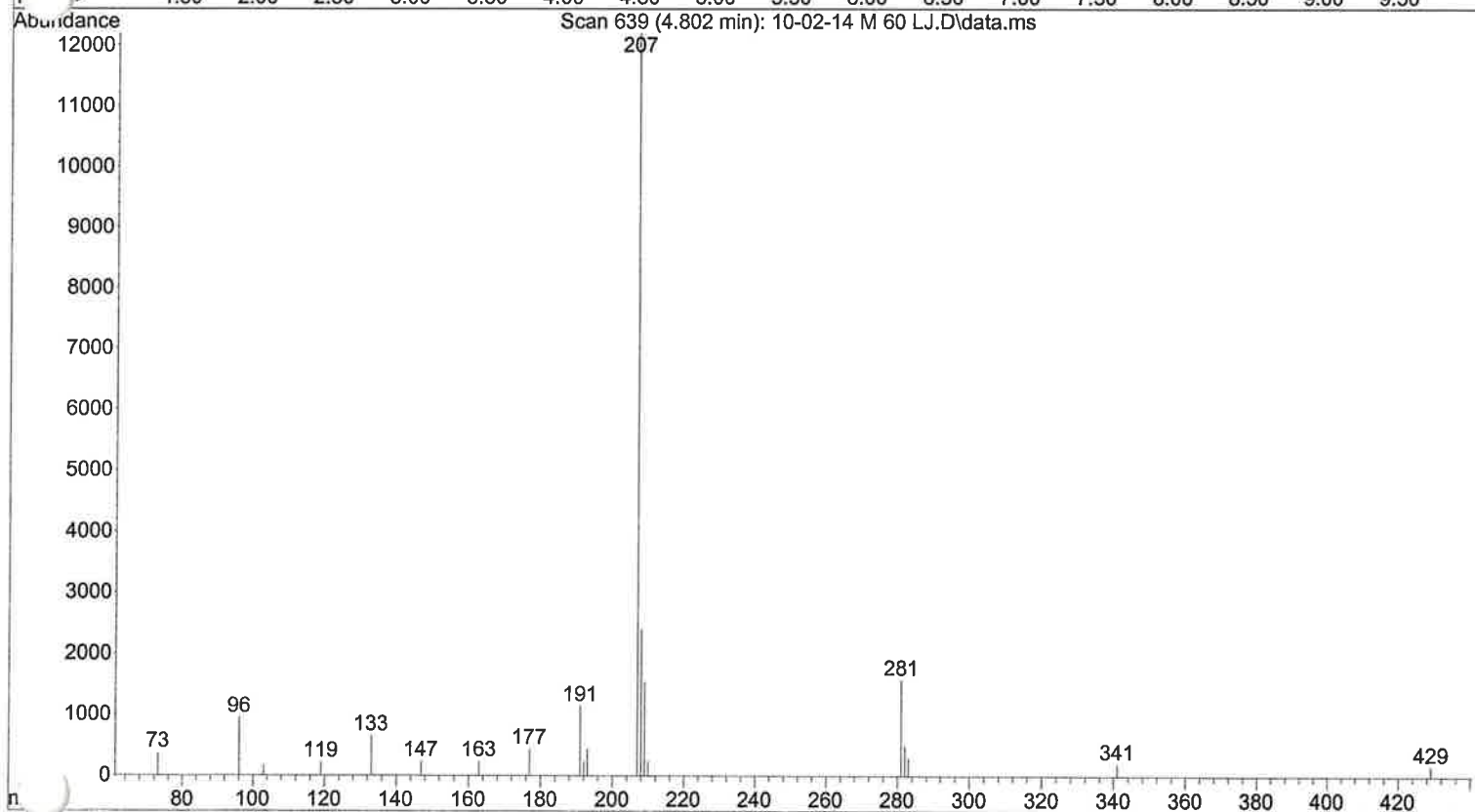
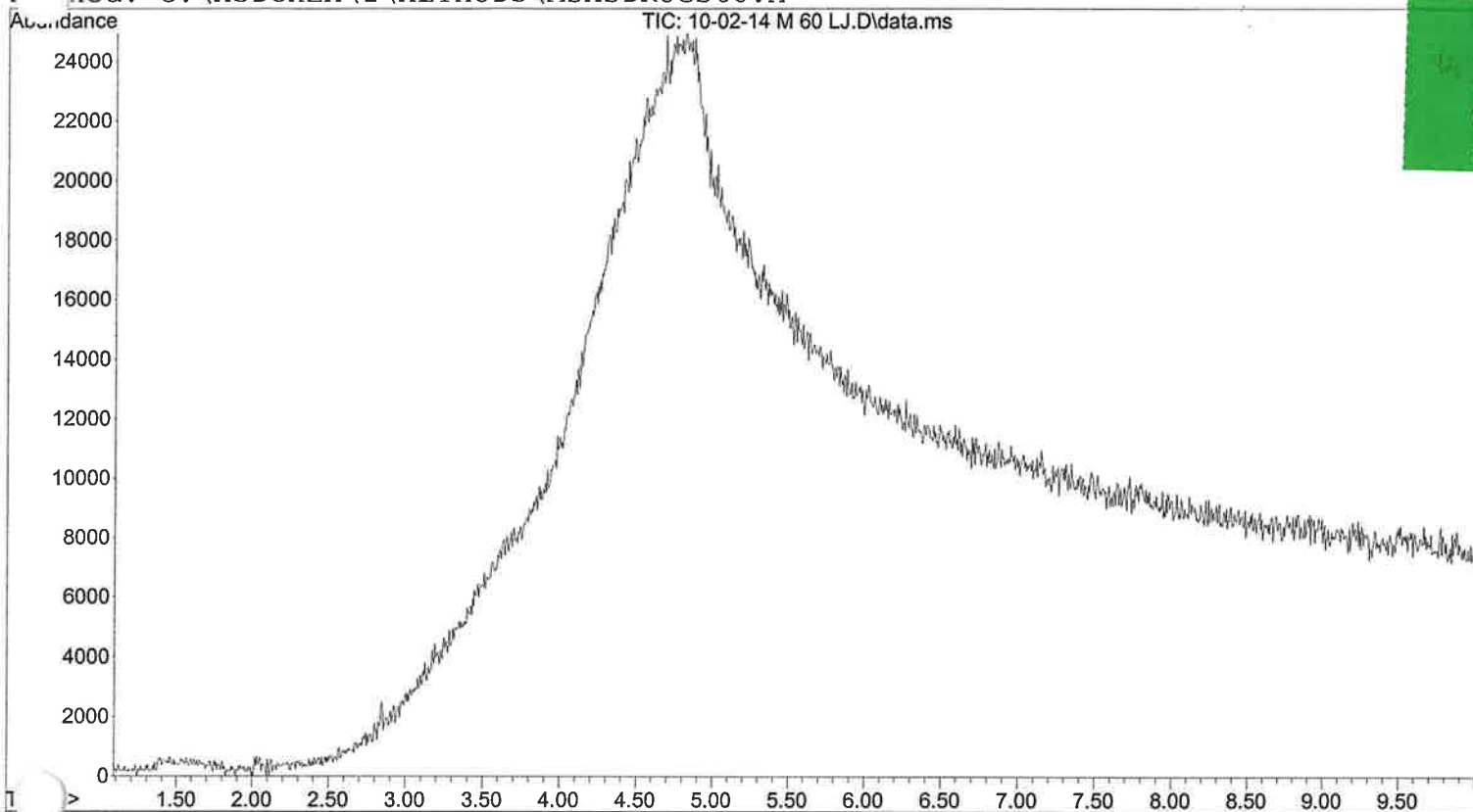
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 20.06 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 280 'C held for 20.00 mi Ramp:Rate Final temp
0.0 (Off)

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\JNT MIXTURE 280
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 2 Oct 2014 9:33
Information: JWH 081, Testosterone, Nandrolone Undecanoate Misc. Information: 280
Method: C:\MSDCHEM\1\METHODS\MS280ISO.M



Column: a 12.0 m Agilent 19091-60312 Initial pressure: 20.06 psi
Inlet temperature: 250 °C Split Ratio: 50:1 Transfer Line Temp: 280 °C
Initial oven temp: 280 °C held for 20.00 min Ramp: Rate Final temp
0.0 (Off)

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\10-02-14 M 60
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 13:40
Information: Methanol Blank 10/2/14 Misc. Information: Methanol 60-280c @70c/min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



Column: a 12.0 m Agilent 19091-60312 Initial pressure: 8.02 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\AMP Mix 60.D

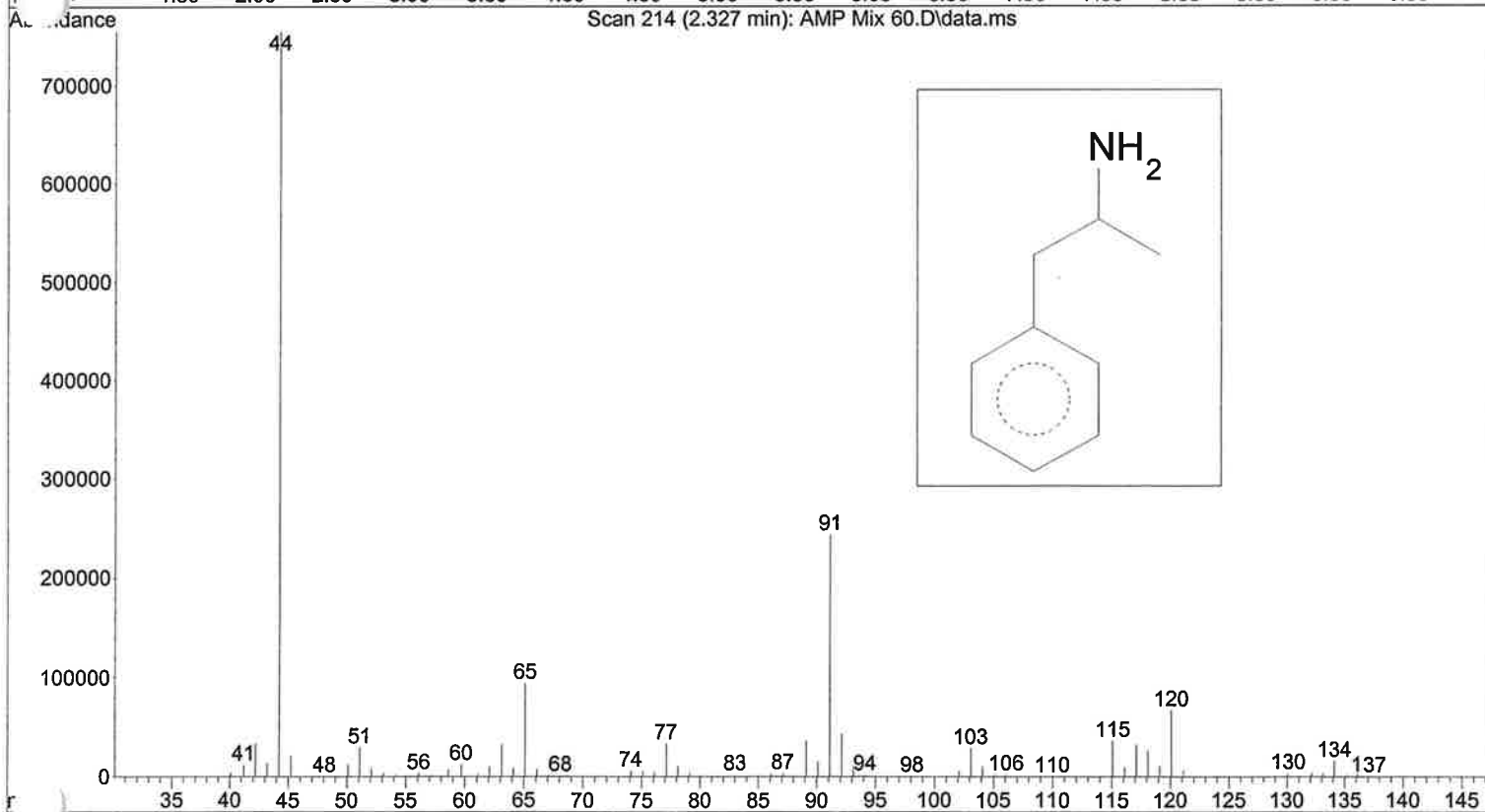
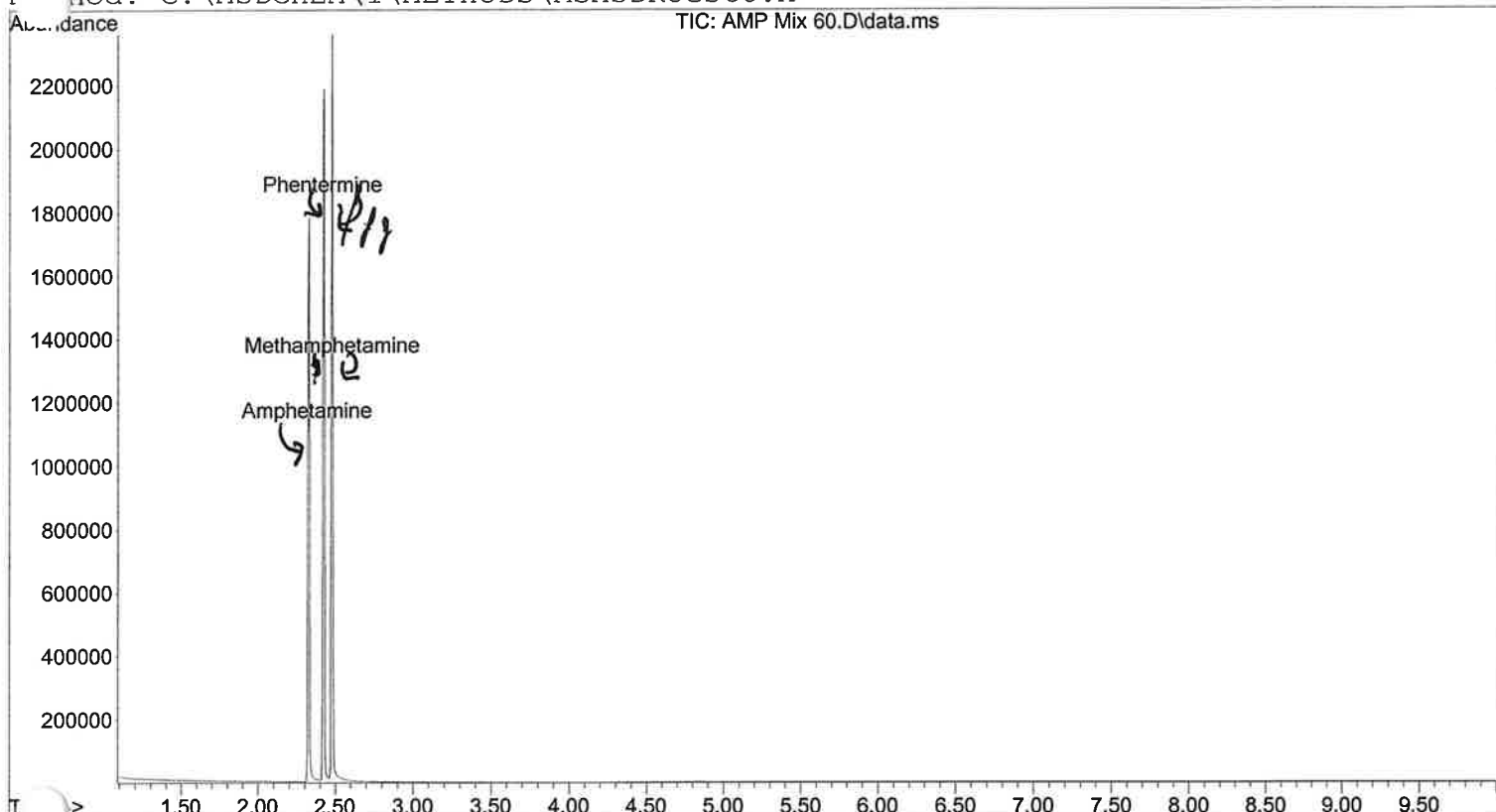
Instrument: Gumbo (model: 5973N Serial number: US40620428)

Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu

Acquired by Nashville Lab on 2 Oct 2014 13:23

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloro:

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



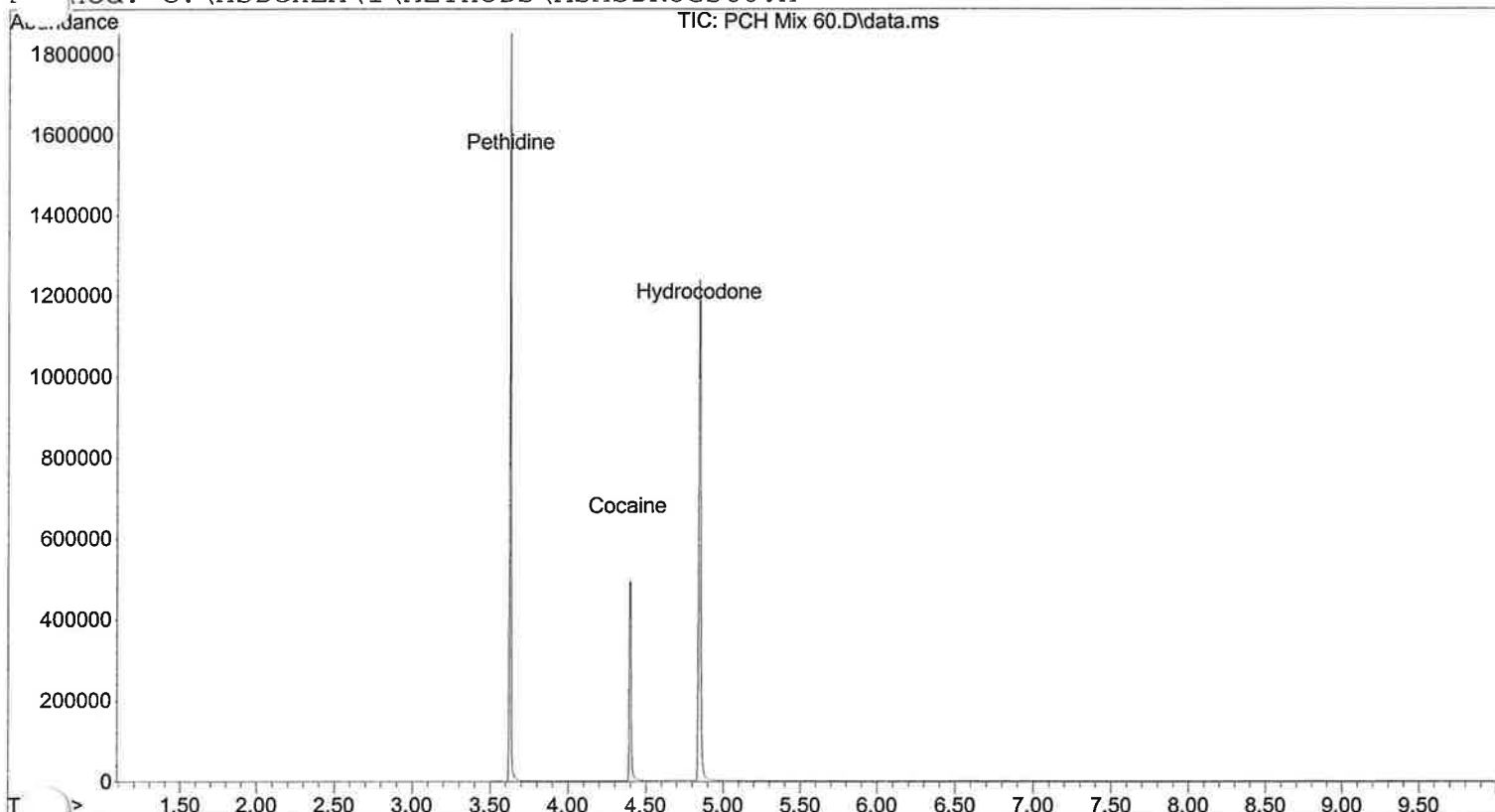
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 8.02 psi

Inlet temperature: 250 °C Split Ratio: 40:1 Transfer Line Temp: 280 °C

Initial oven temp: 60 °C held for 1.00 min Ramp:Rate Final temp

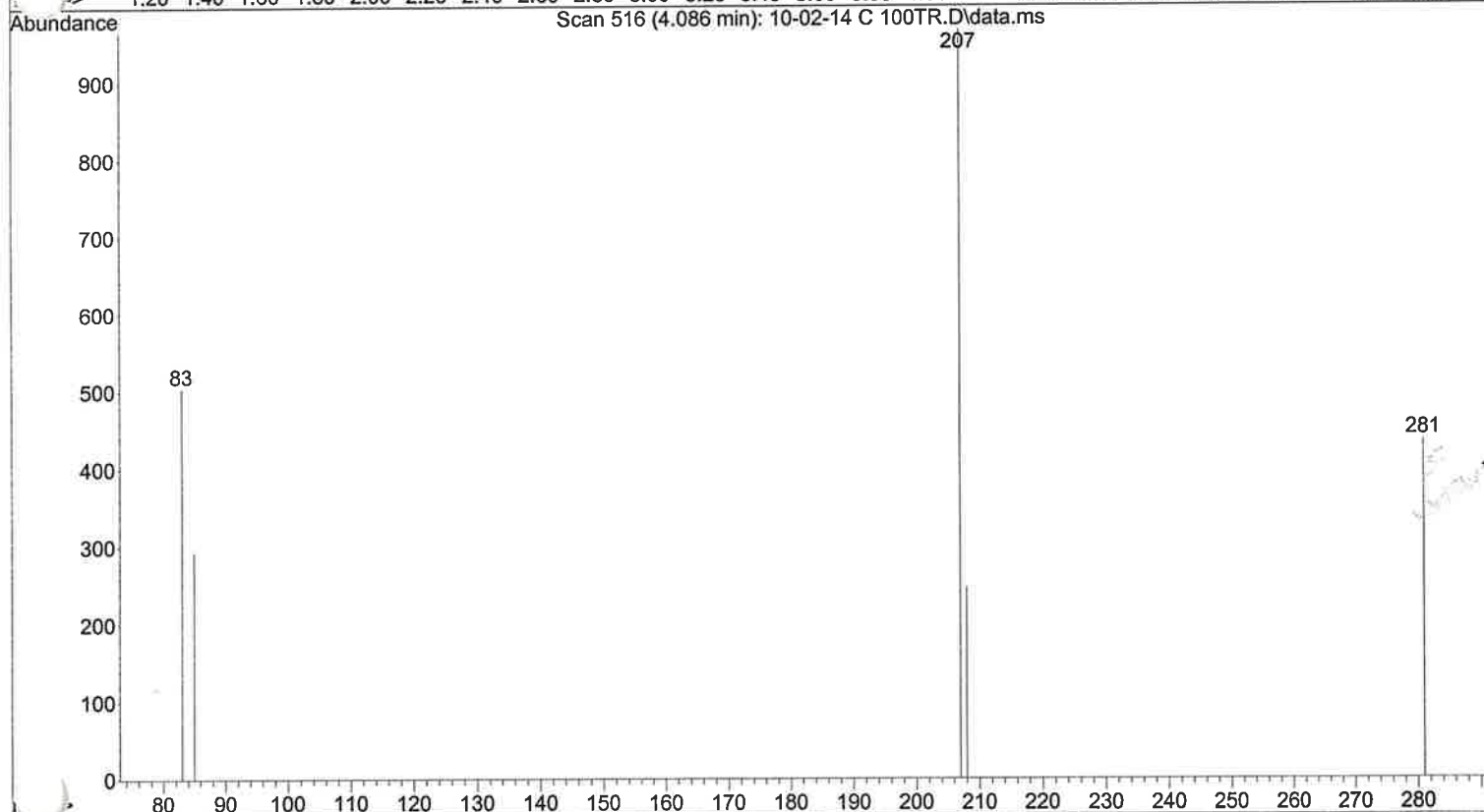
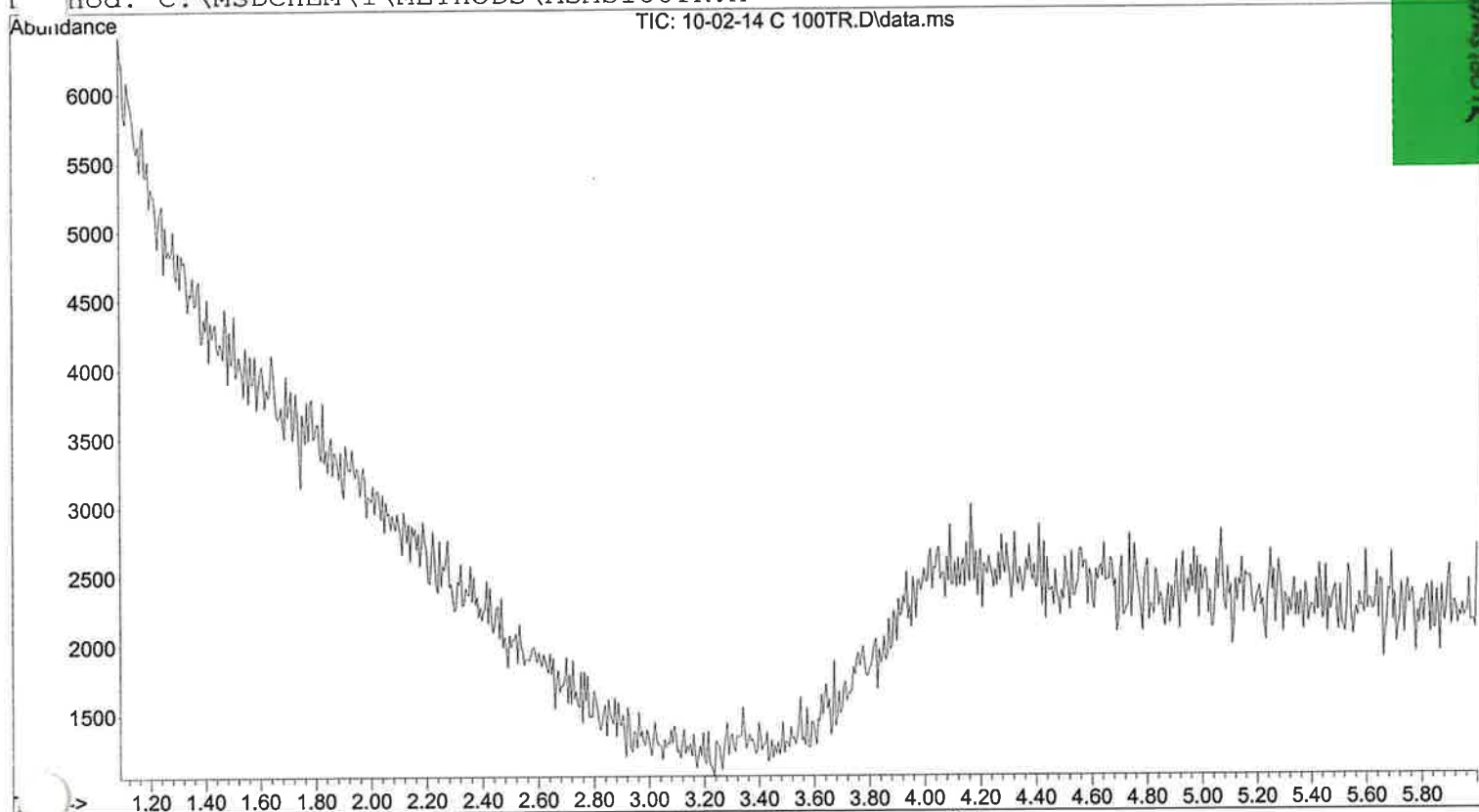
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\PCH Mix 60.D
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 13:56
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 60-280
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



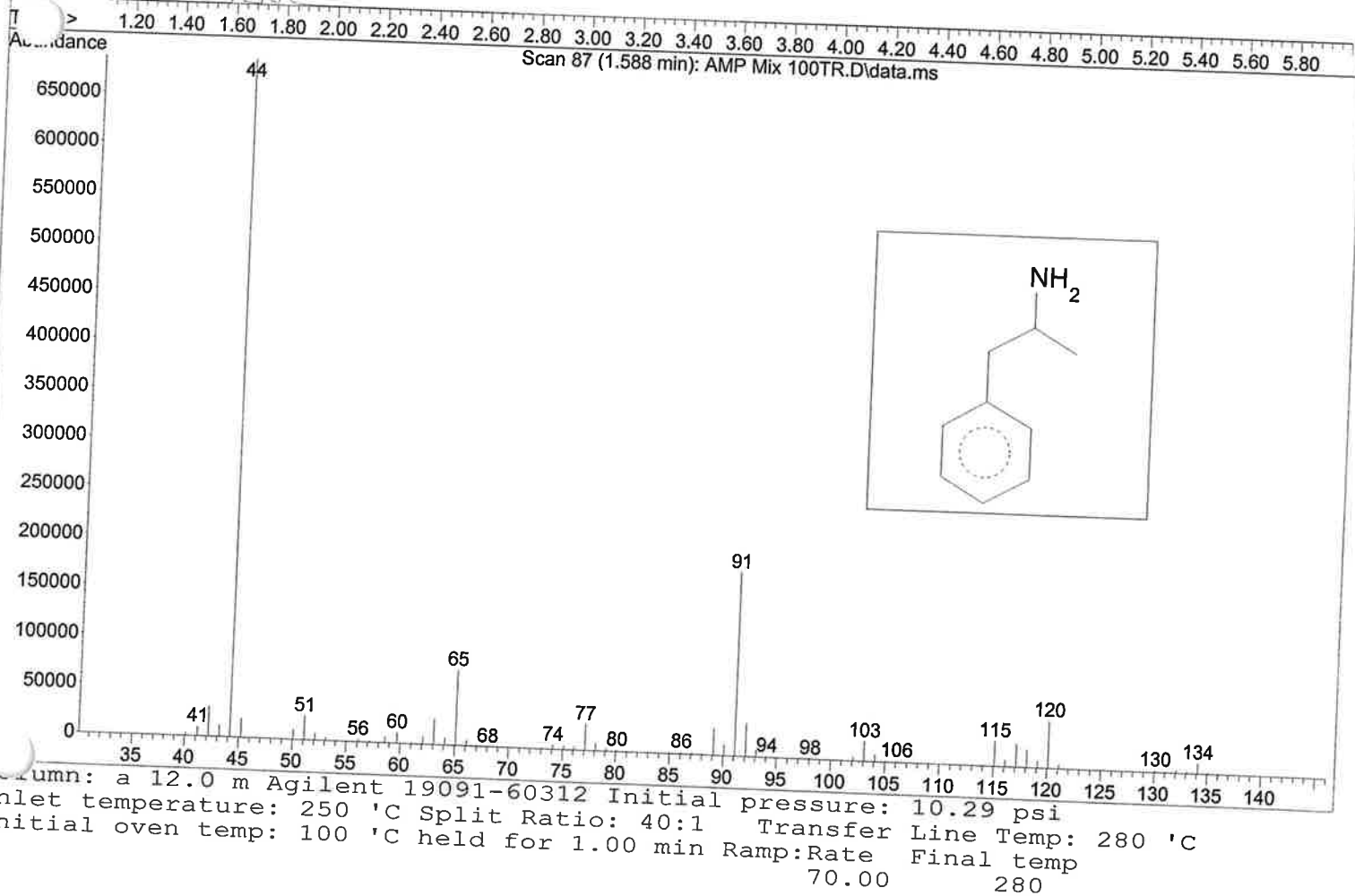
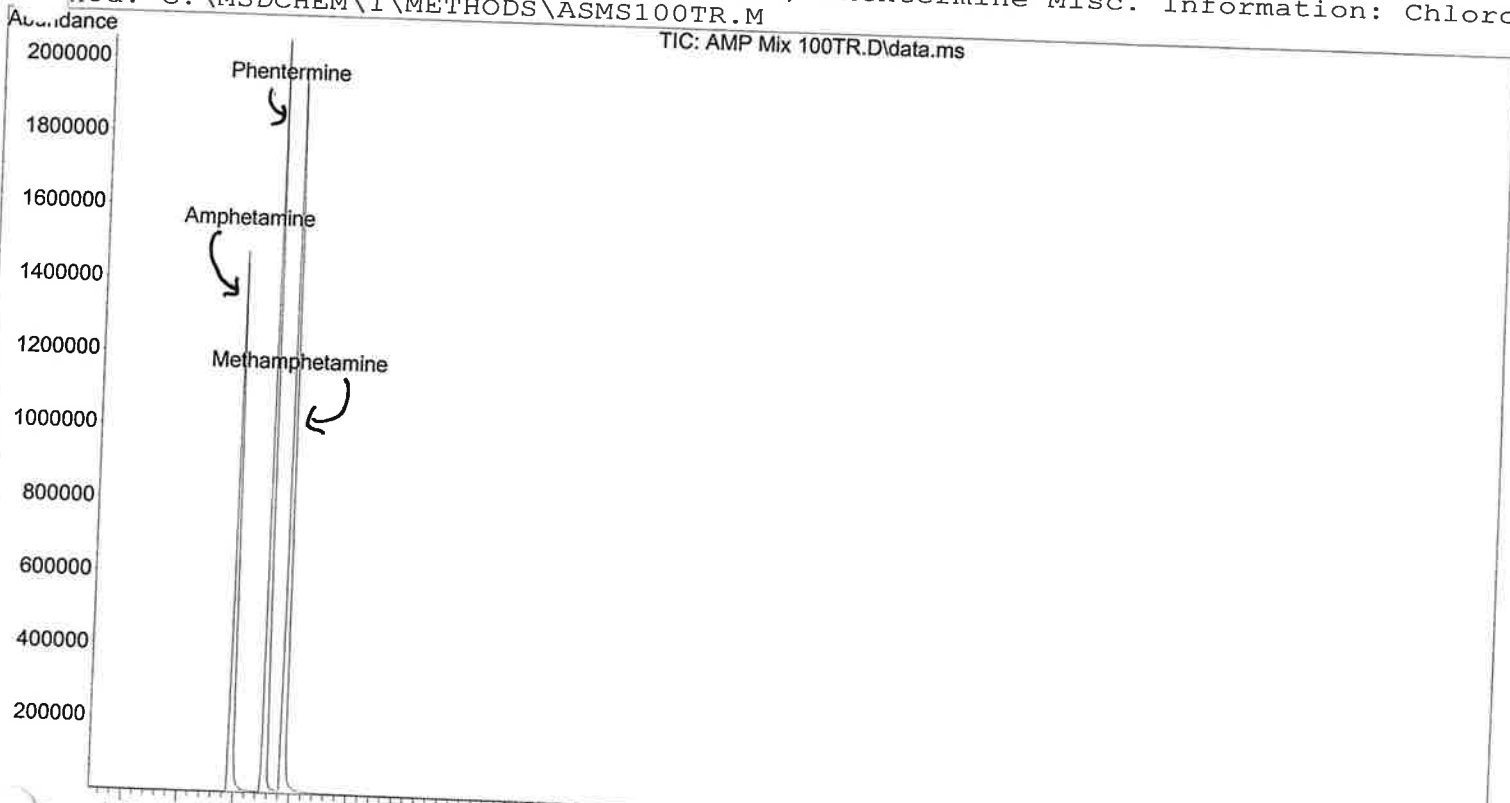
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 8.02 psi
Inlet temperature: 250 °C Split Ratio: 40:1 Transfer Line Temp: 280 °C
Initial oven temp: 60 °C held for 1.00 min Ramp: Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\10-02-14 C 10
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 14:11
Information: Chloroform Blank 10/2/14 Misc. Information: Chloroform 100-280c @70c
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M

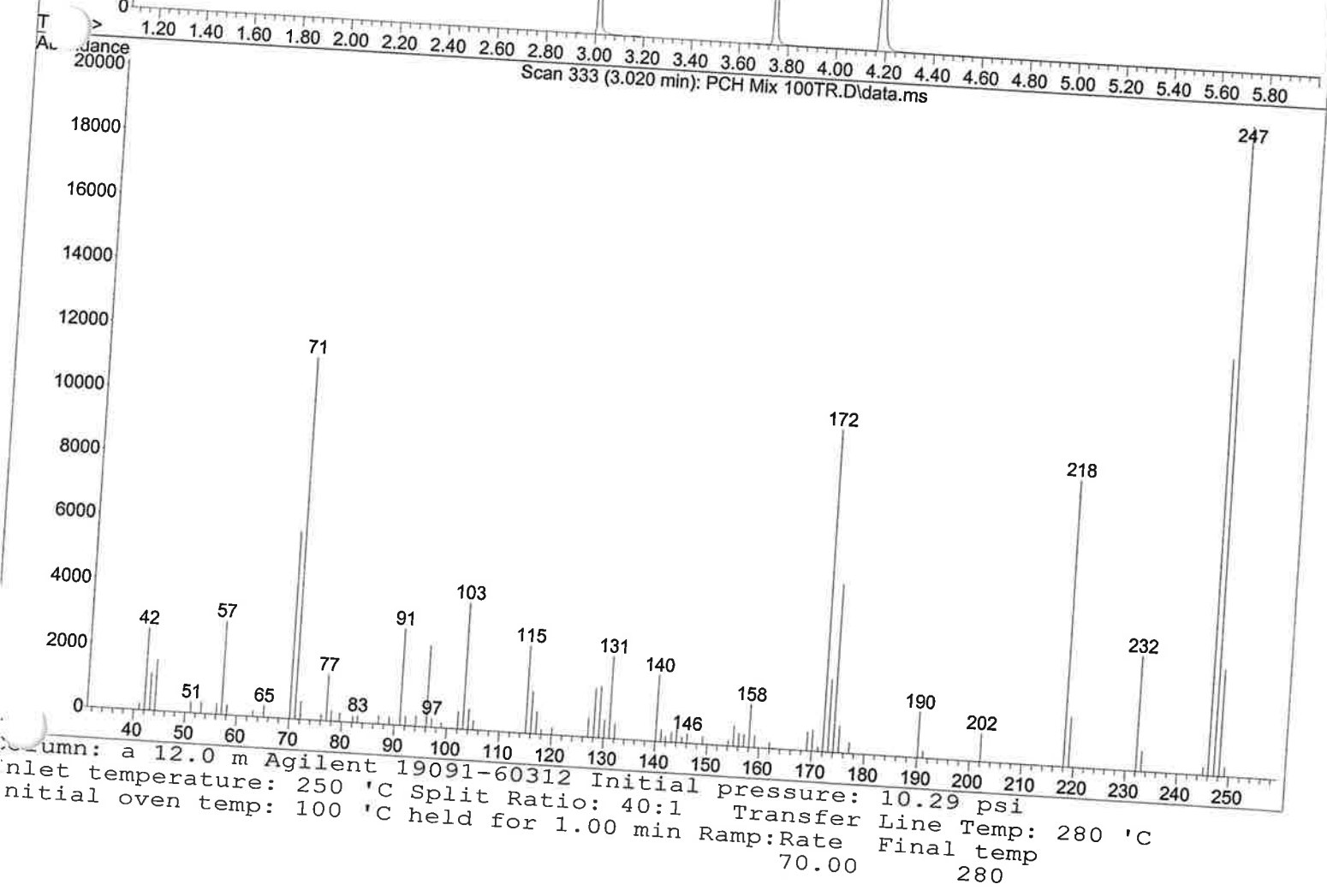
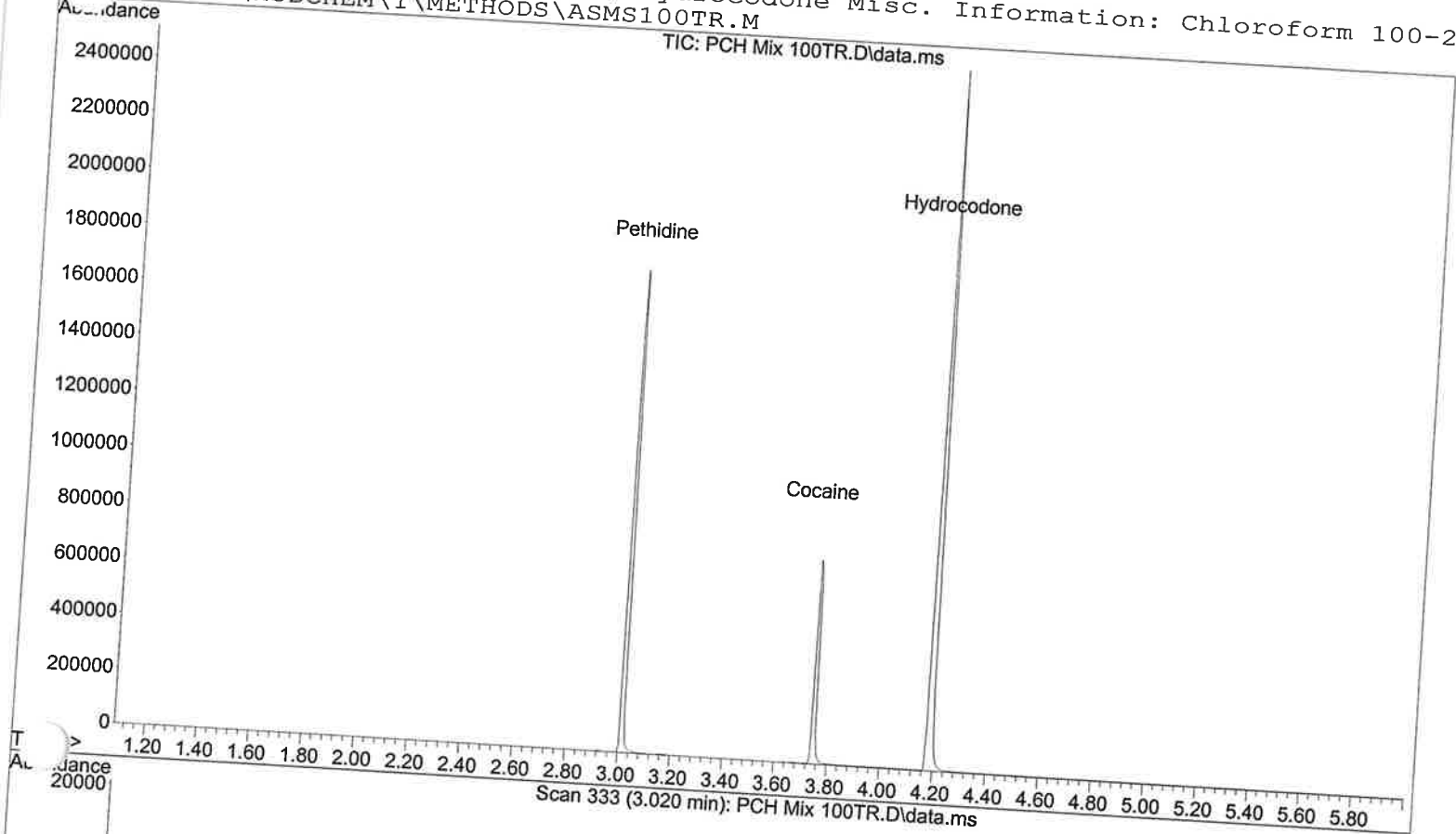


Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.29 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\AMP Mix 100T
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 14:21
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloro:
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M

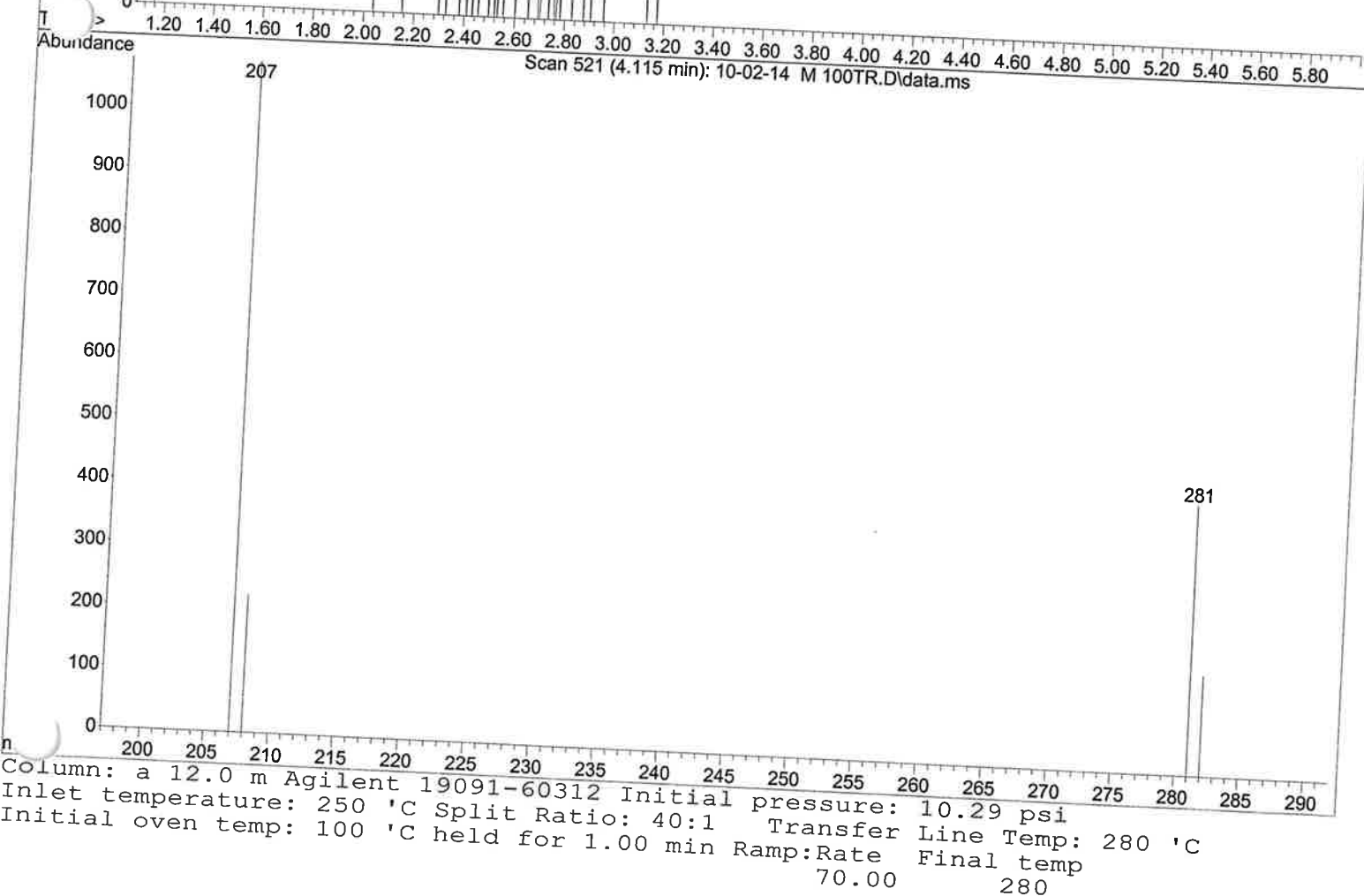
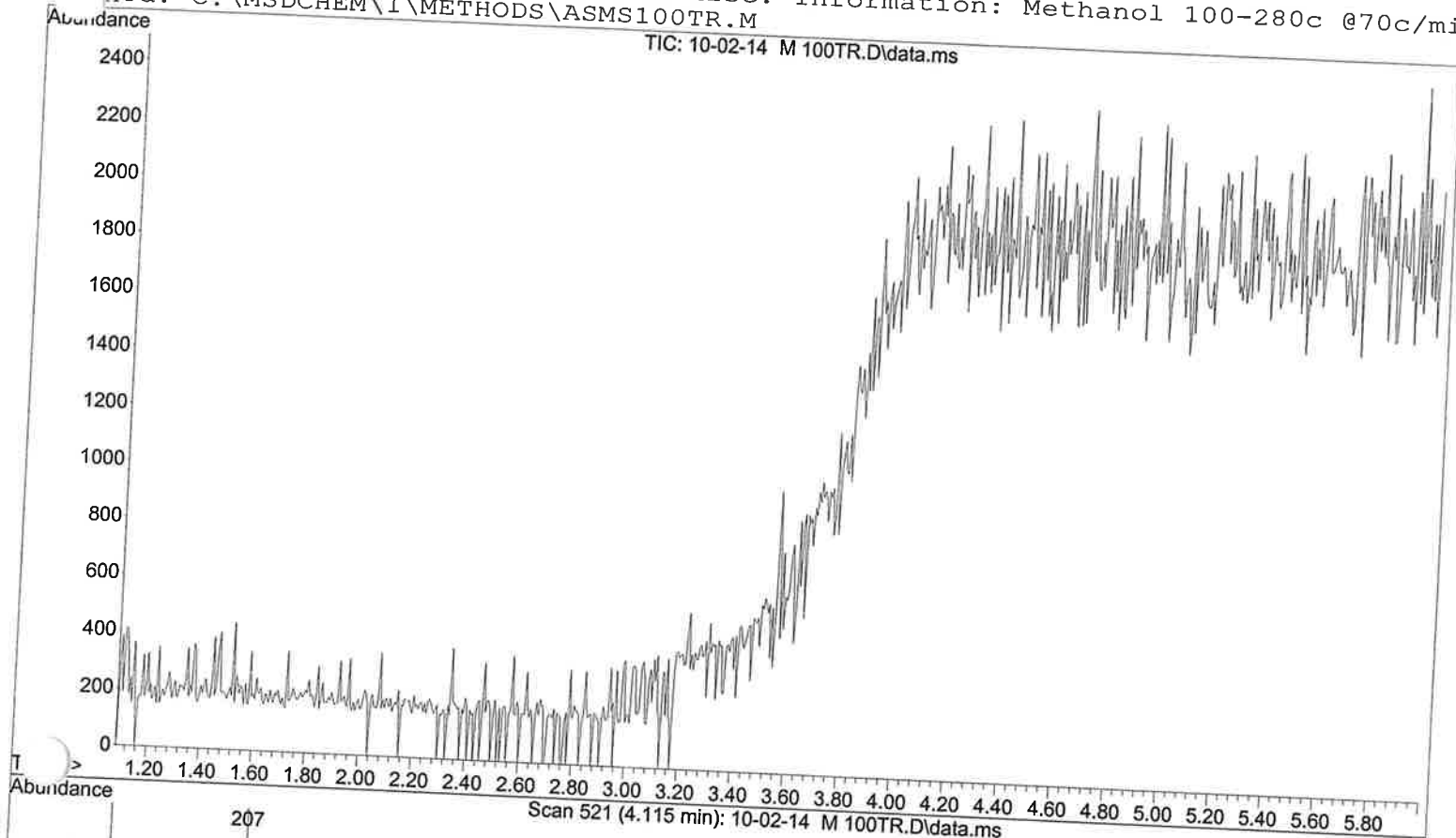


Tennessee Bureau of Investigation: Nashville Crime Laboratory
 Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\PCH Mix 100TR.D
 Instrument: Gumbo (model: 5973N Serial number: US40620428)
 Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
 Acquired by Nashville Lab on 2 Oct 2014 14:42
 Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Chloroform 100-28
 Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M
 TIC: PCH Mix 100TR.D\data.ms



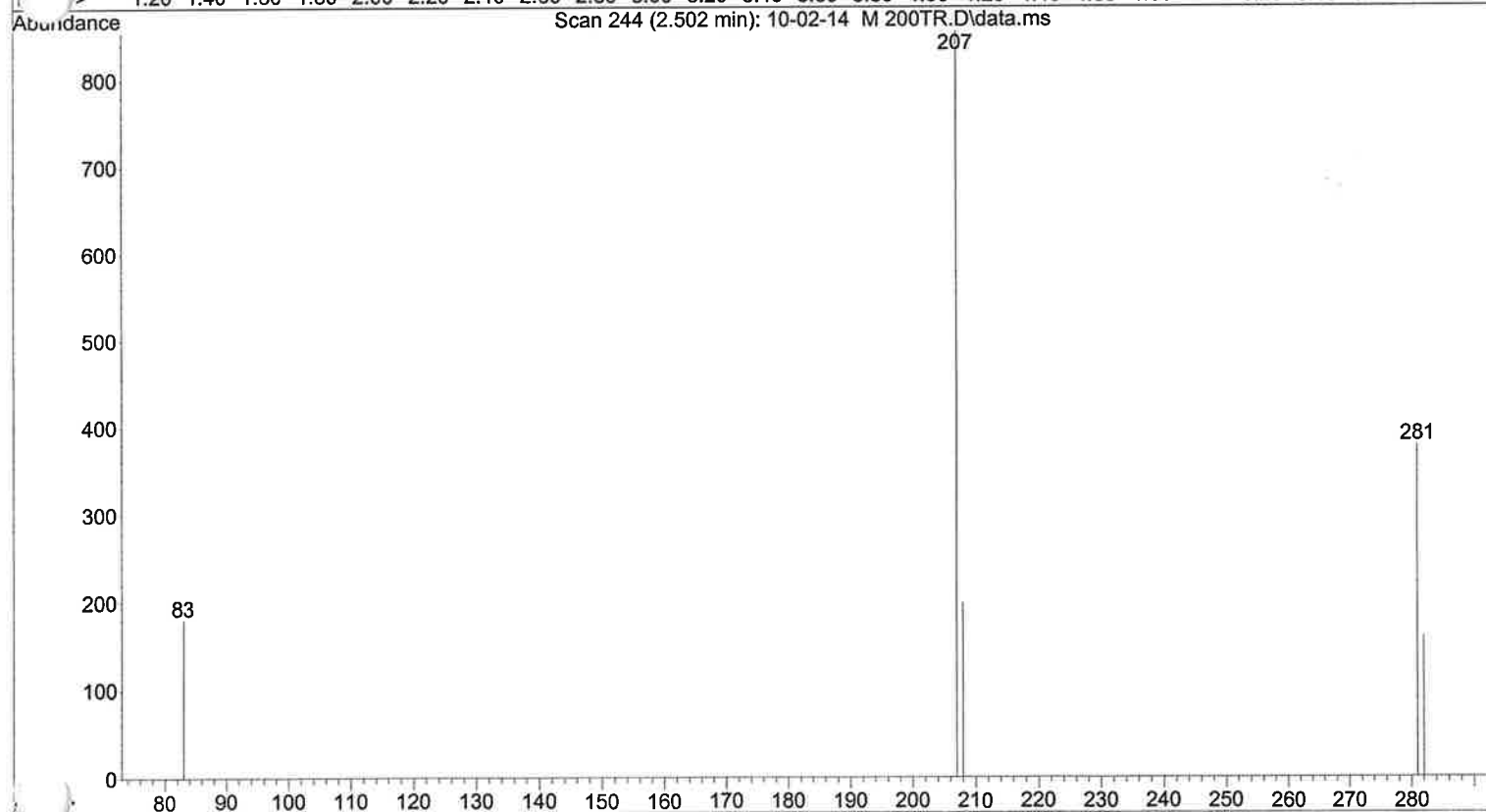
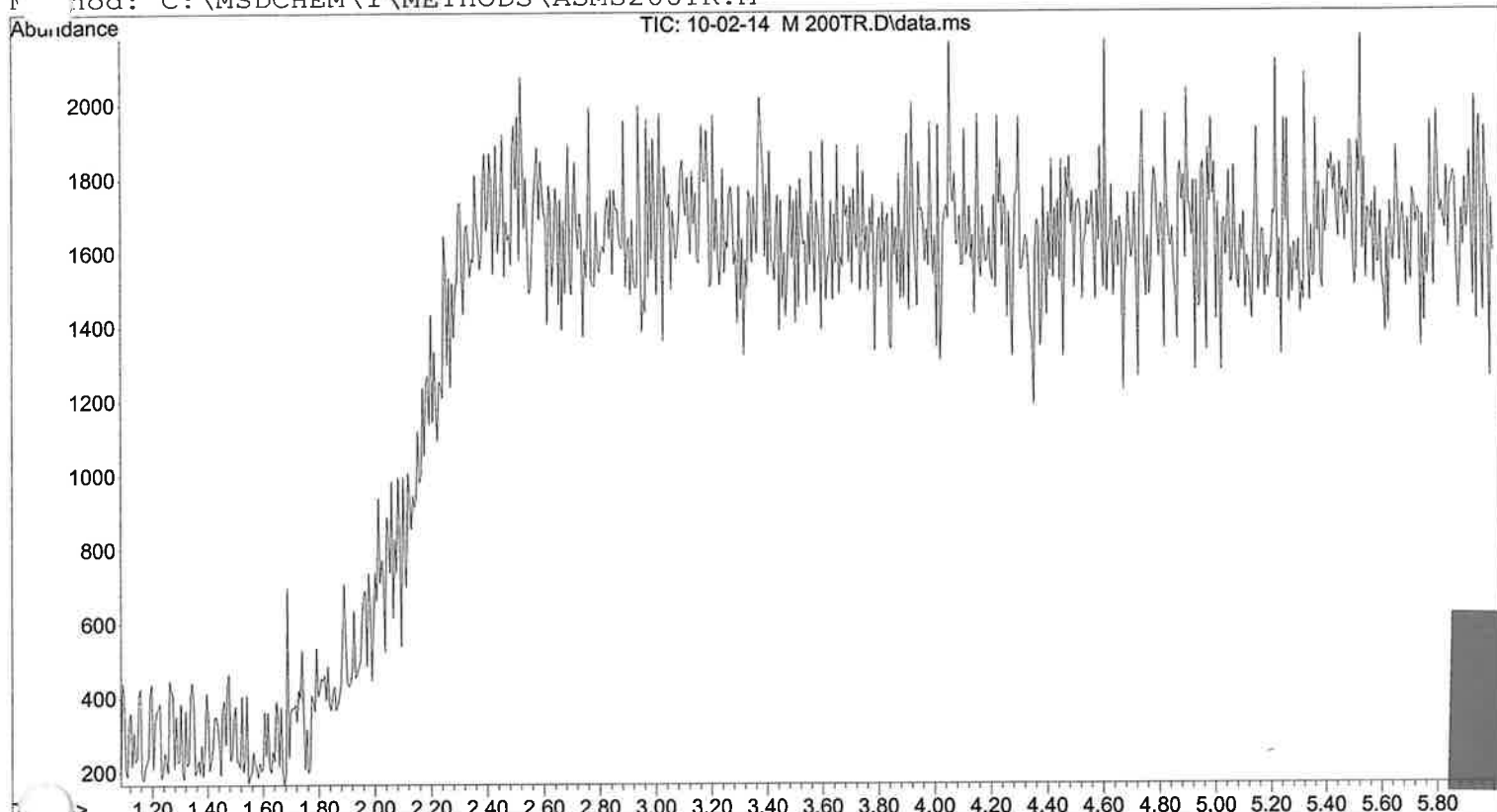
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.29 psi
 Inlet temperature: 250 °C Split Ratio: 40:1 Transfer Line Temp: 280 °C
 Initial oven temp: 100 °C held for 1.00 min Ramp: Rate Final temp
 70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
 Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\10-02-14 M :
 Instrument: Gumbo (model: 5973N Serial number: US40620428)
 Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
 Acquired by Nashville Lab on 2 Oct 2014 14:32
 Information: Methanol Blank 10/2/14 Misc. Information: Methanol 100-280c @70c/min
 Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M
 TIC: 10-02-14 M 100TR.D\data.ms



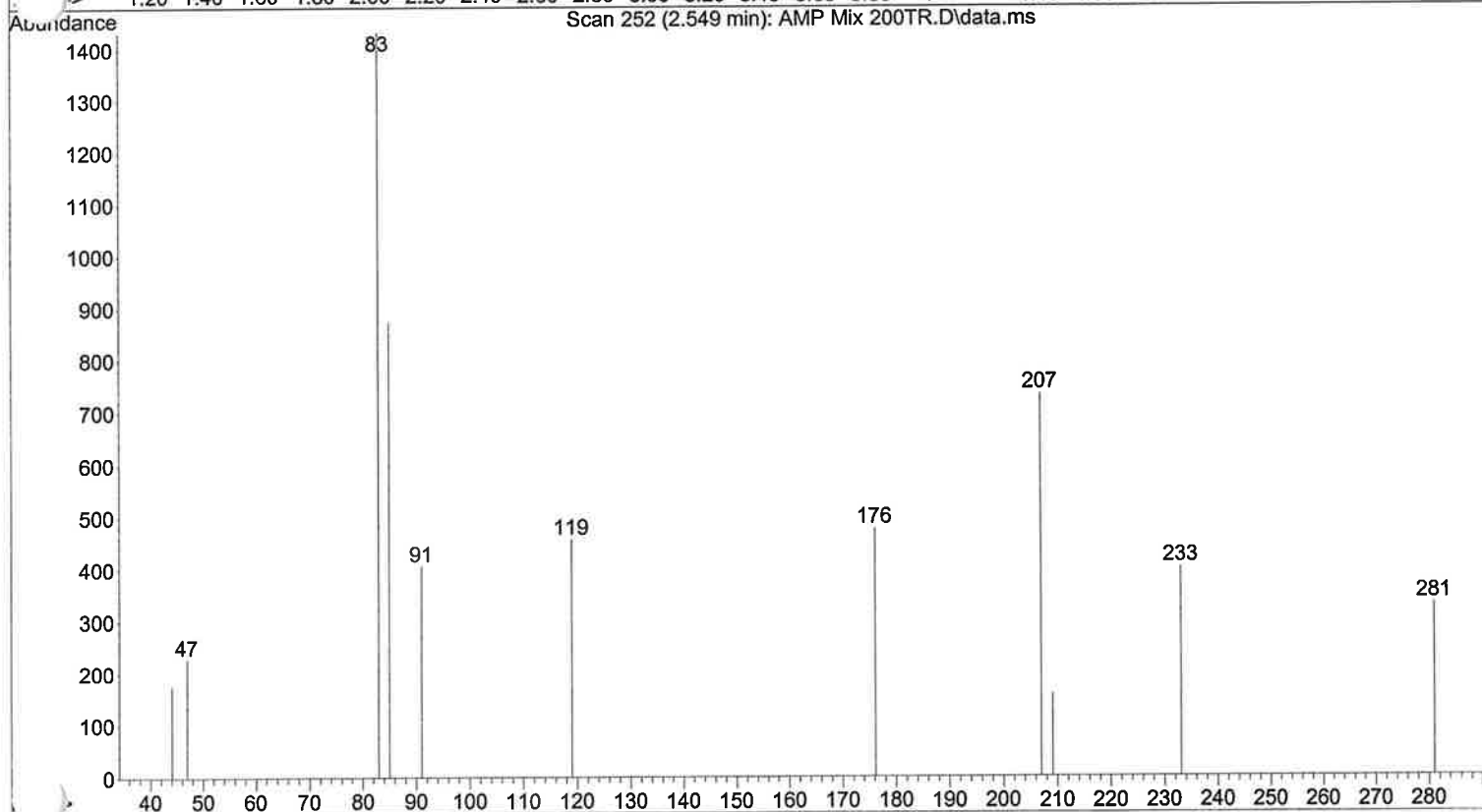
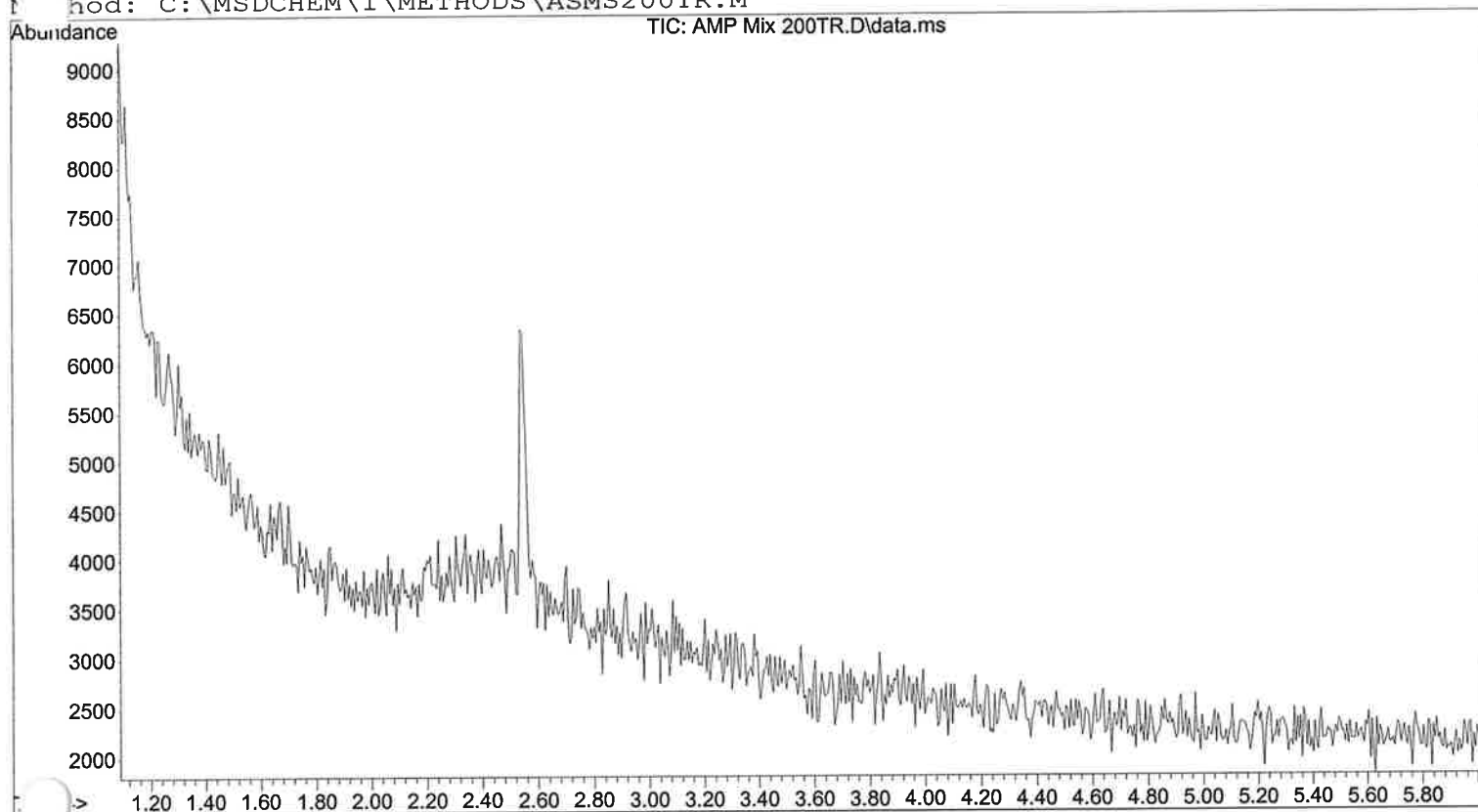
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.29 psi
 Inlet temperature: 250 °C Split Ratio: 40:1 Transfer Line Temp: 280 °C
 Initial oven temp: 100 °C held for 1.00 min Ramp:Rate Final temp
 70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\10-02-14 M :
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 15:08
Information: Methanol Blank 10/2/14 Misc. Information: Methanol 200-280c @70c/min
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



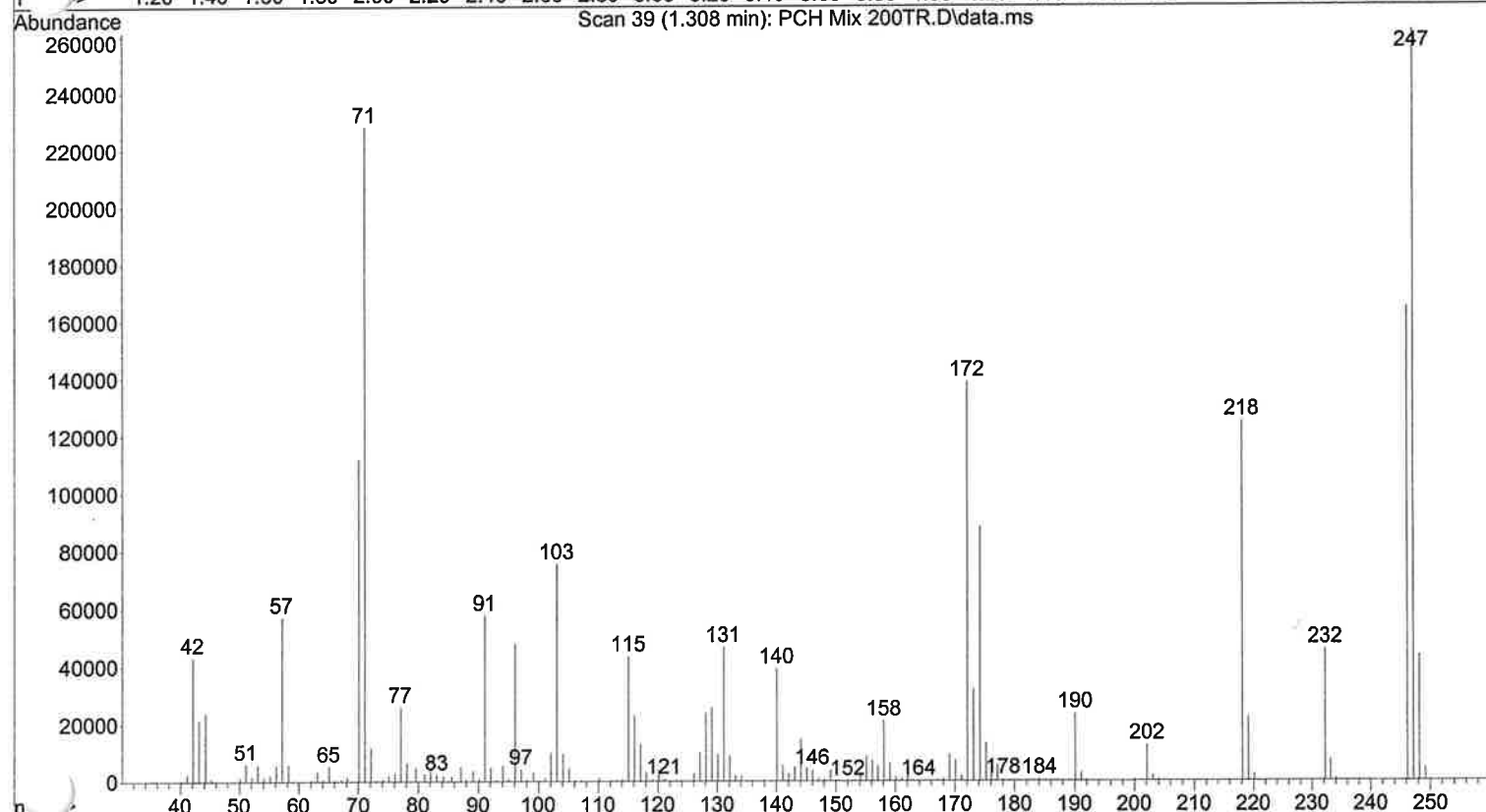
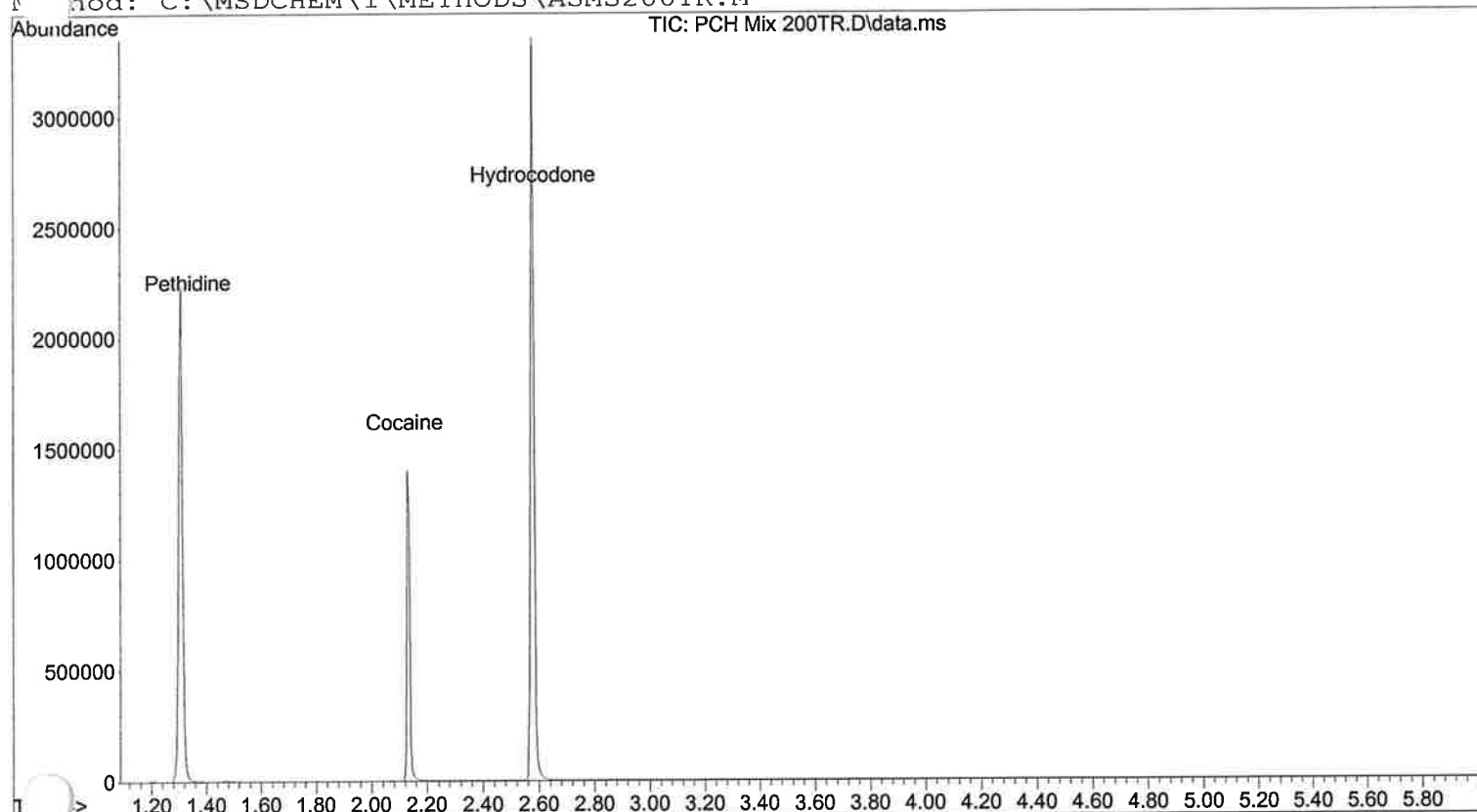
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 15.81 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\AMP Mix 200T
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 14:59
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloro:
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



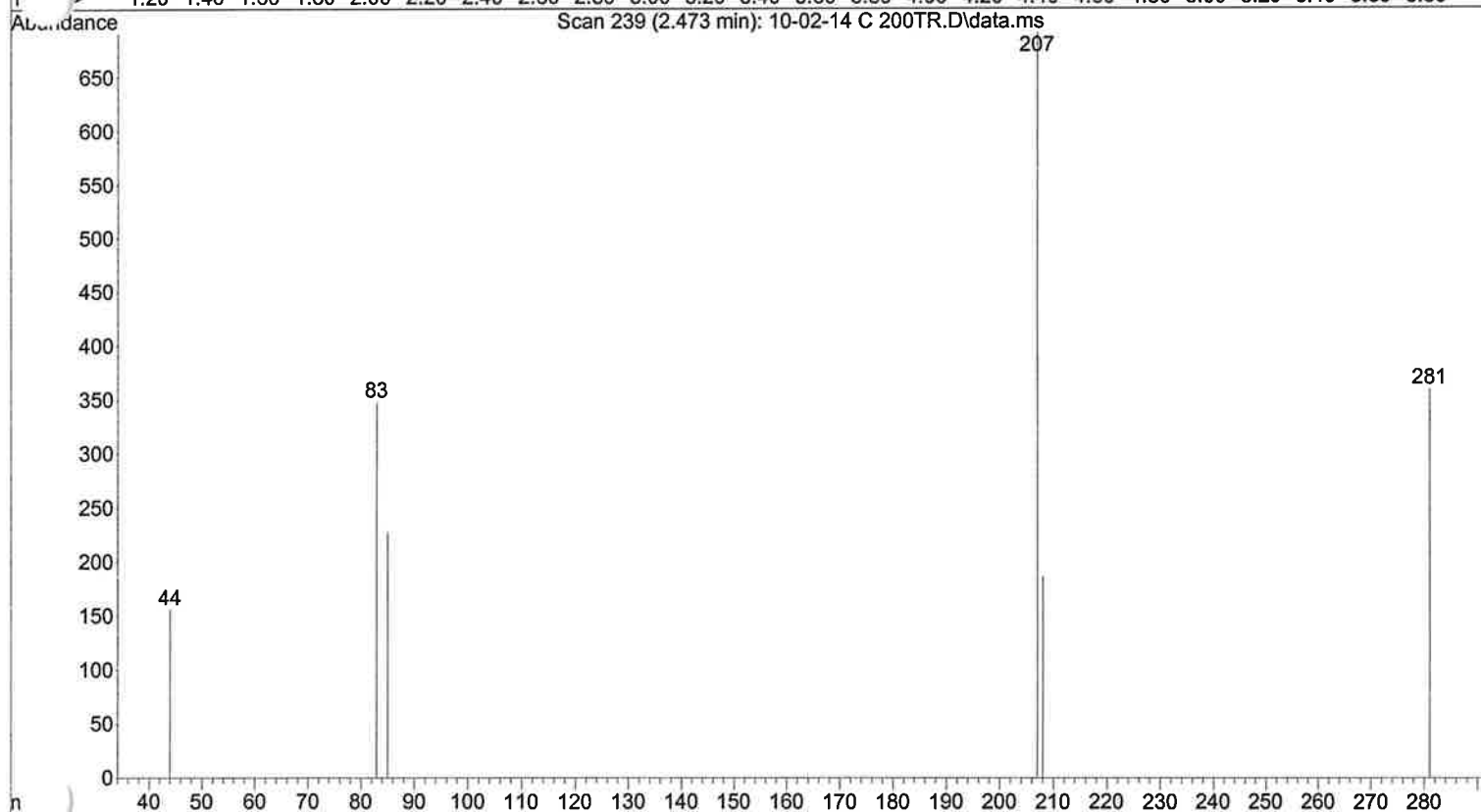
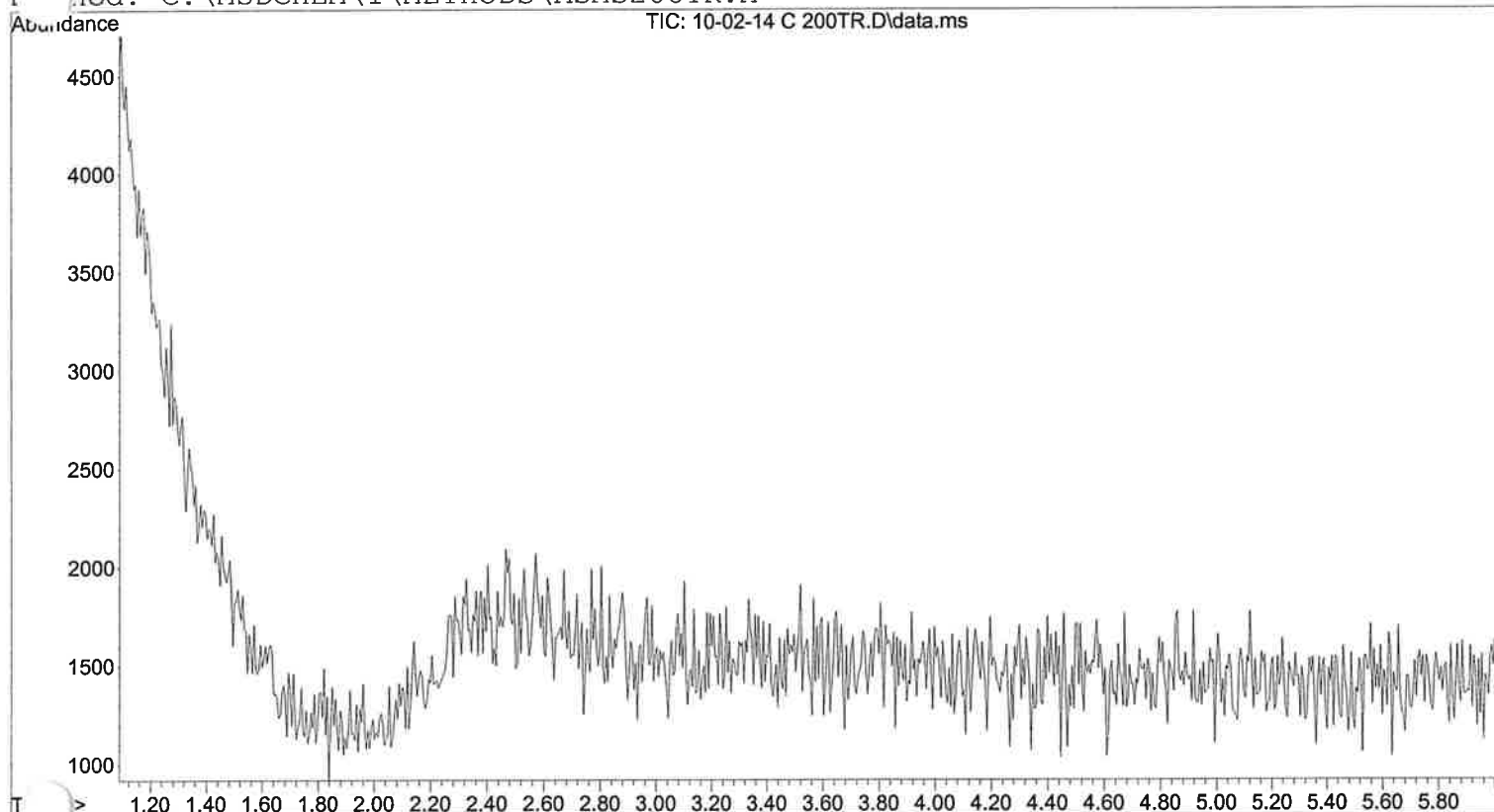
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 15.81 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\PCH Mix 200T
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 15:17
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Chloroform 200-2
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



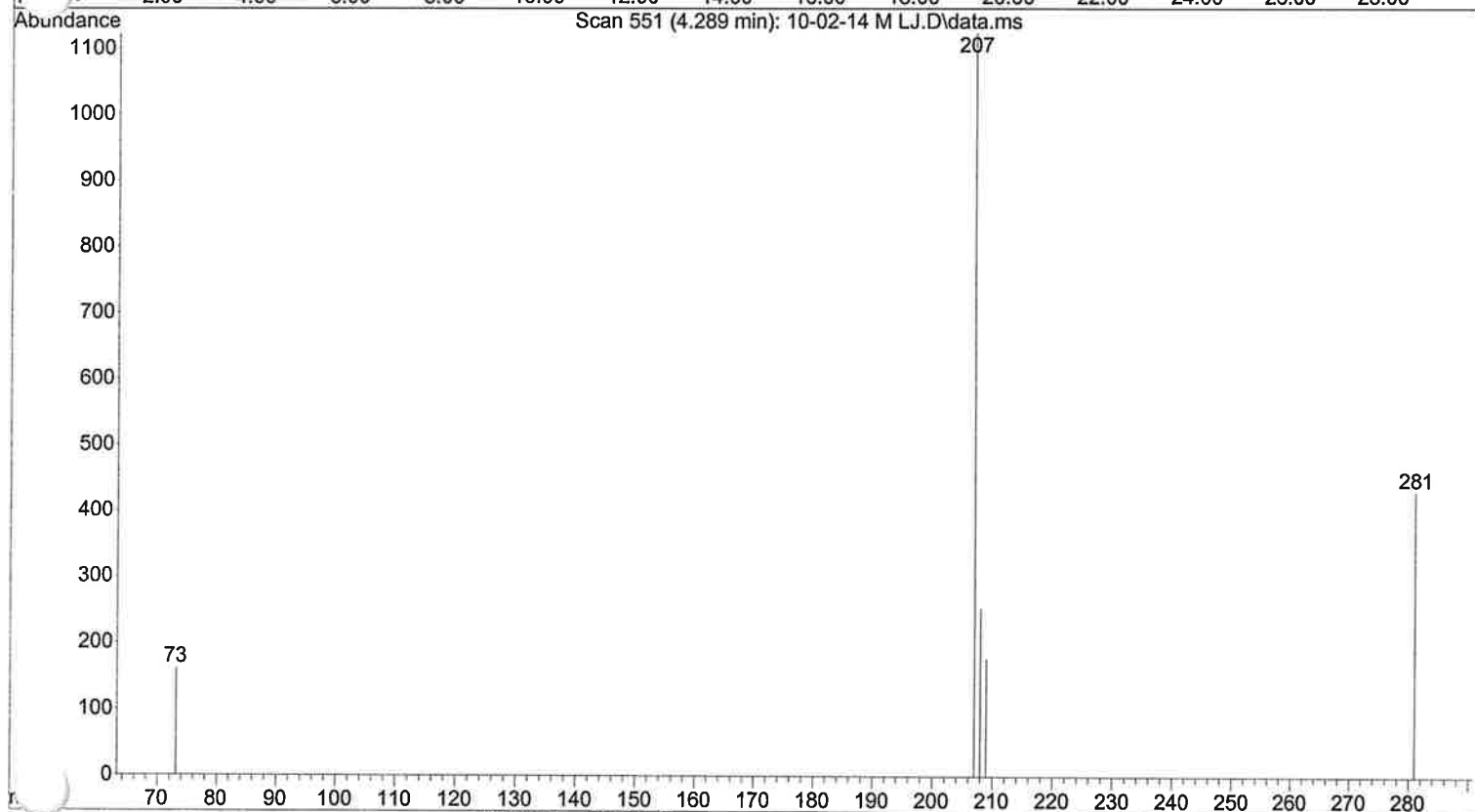
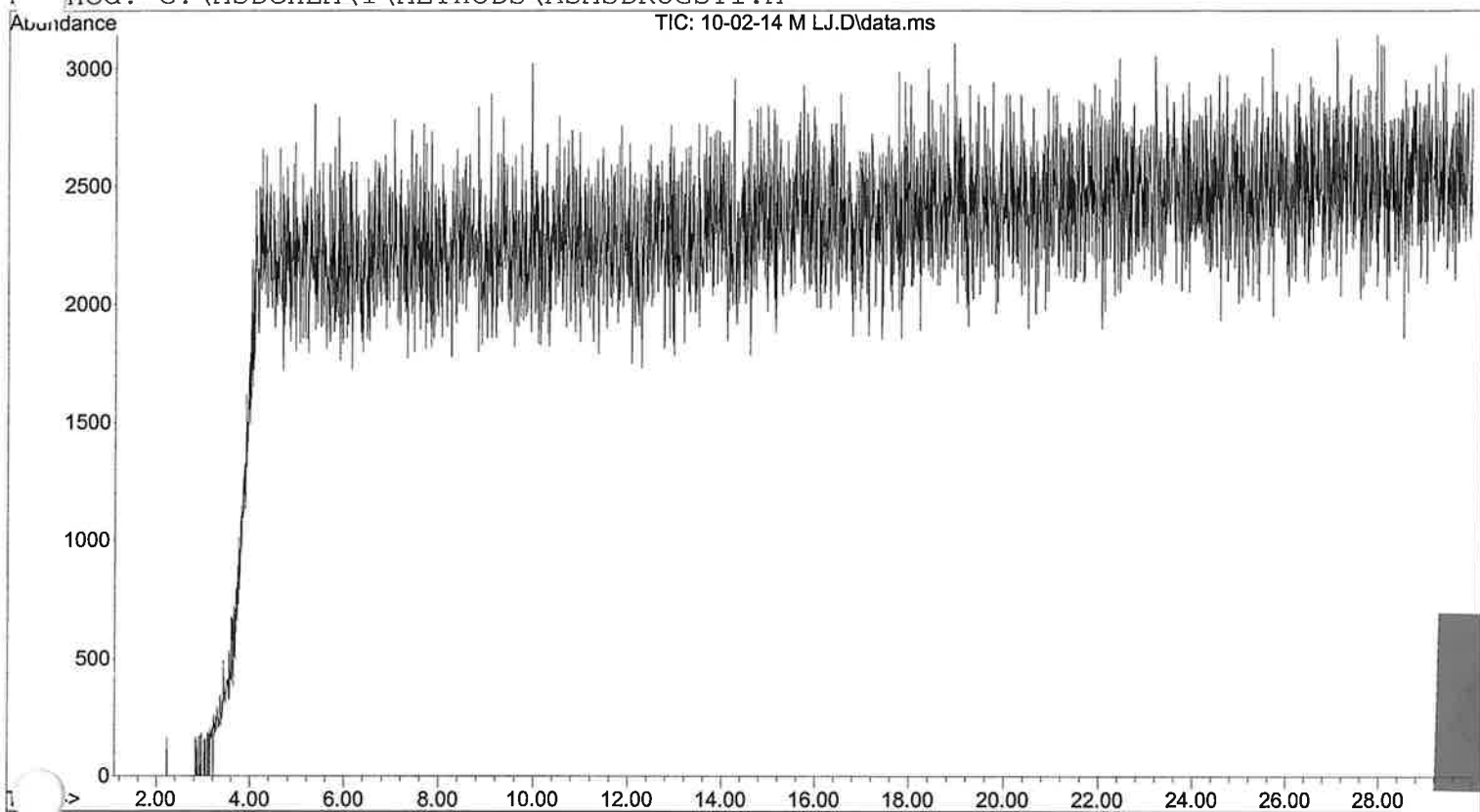
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 15.81 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\10-02-14 C 200TR.D\data.ms
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 14:51
Information: Chloroform Blank 10/2/14 Misc. Information: Chloroform 200-280c @70c
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



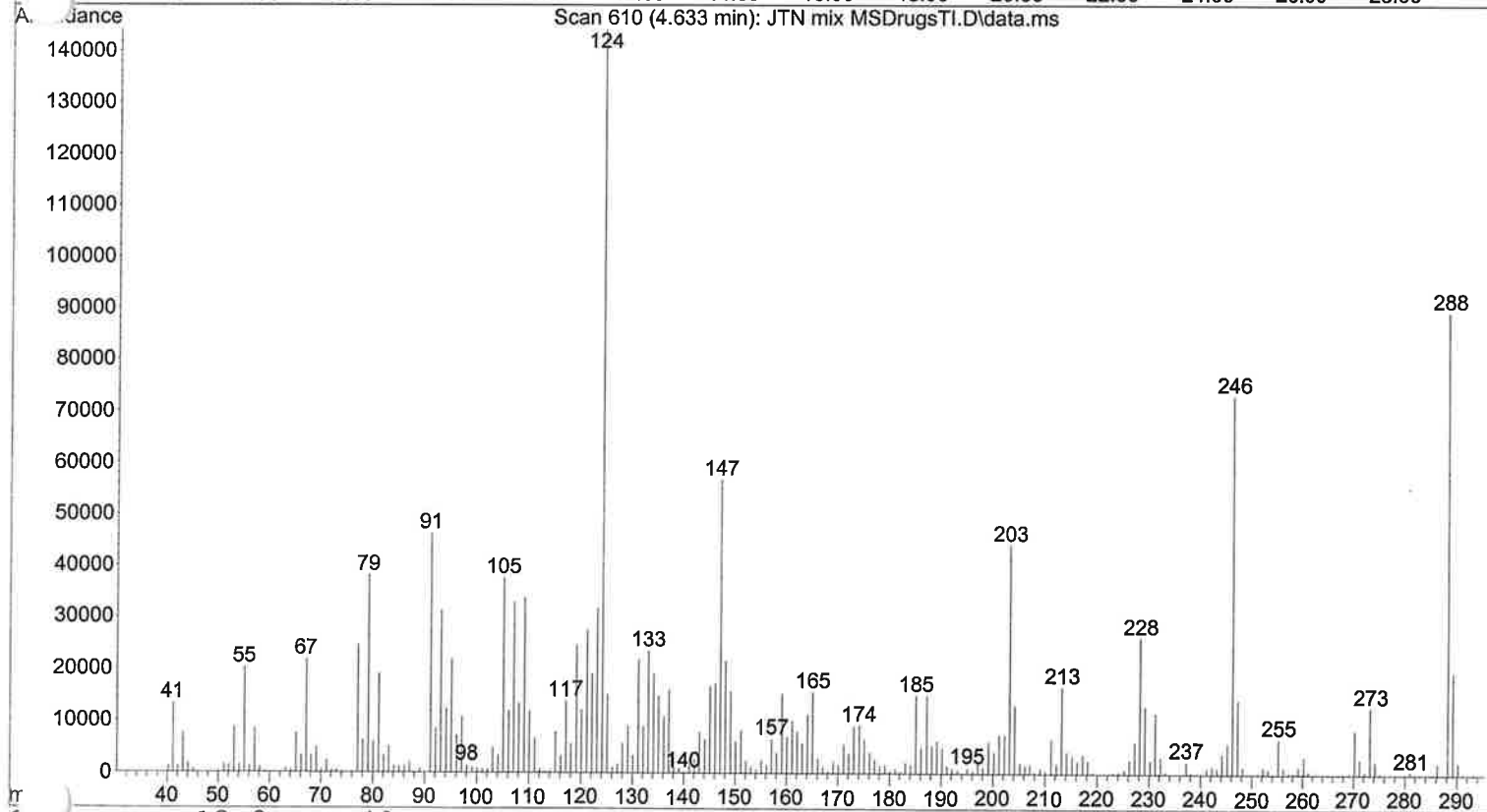
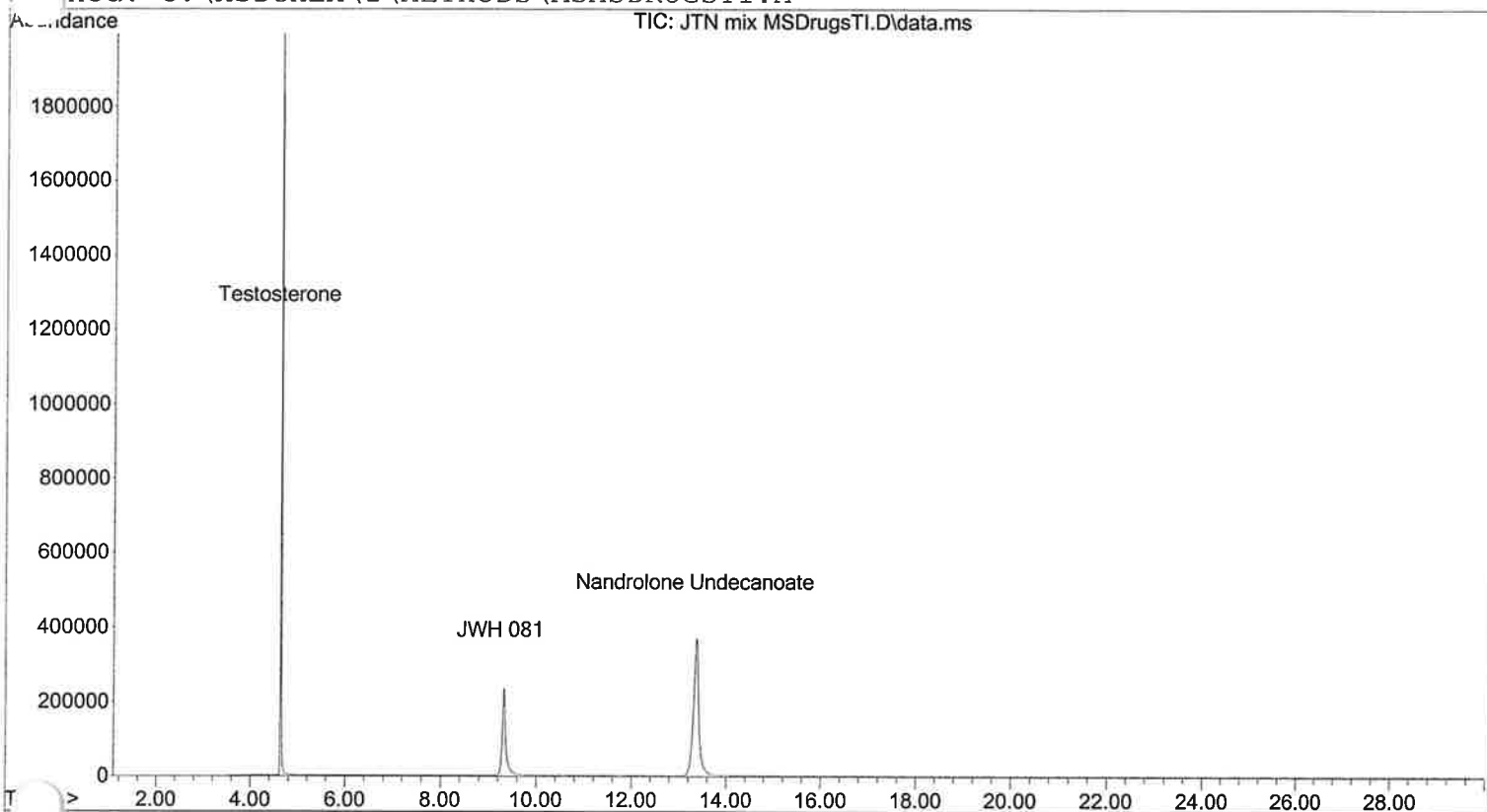
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 15.81 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\10-02-14 M L
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 11:09
Information: Methanol Blank 10/2/14 Misc. Information: Methanol 100-280c @70c/min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



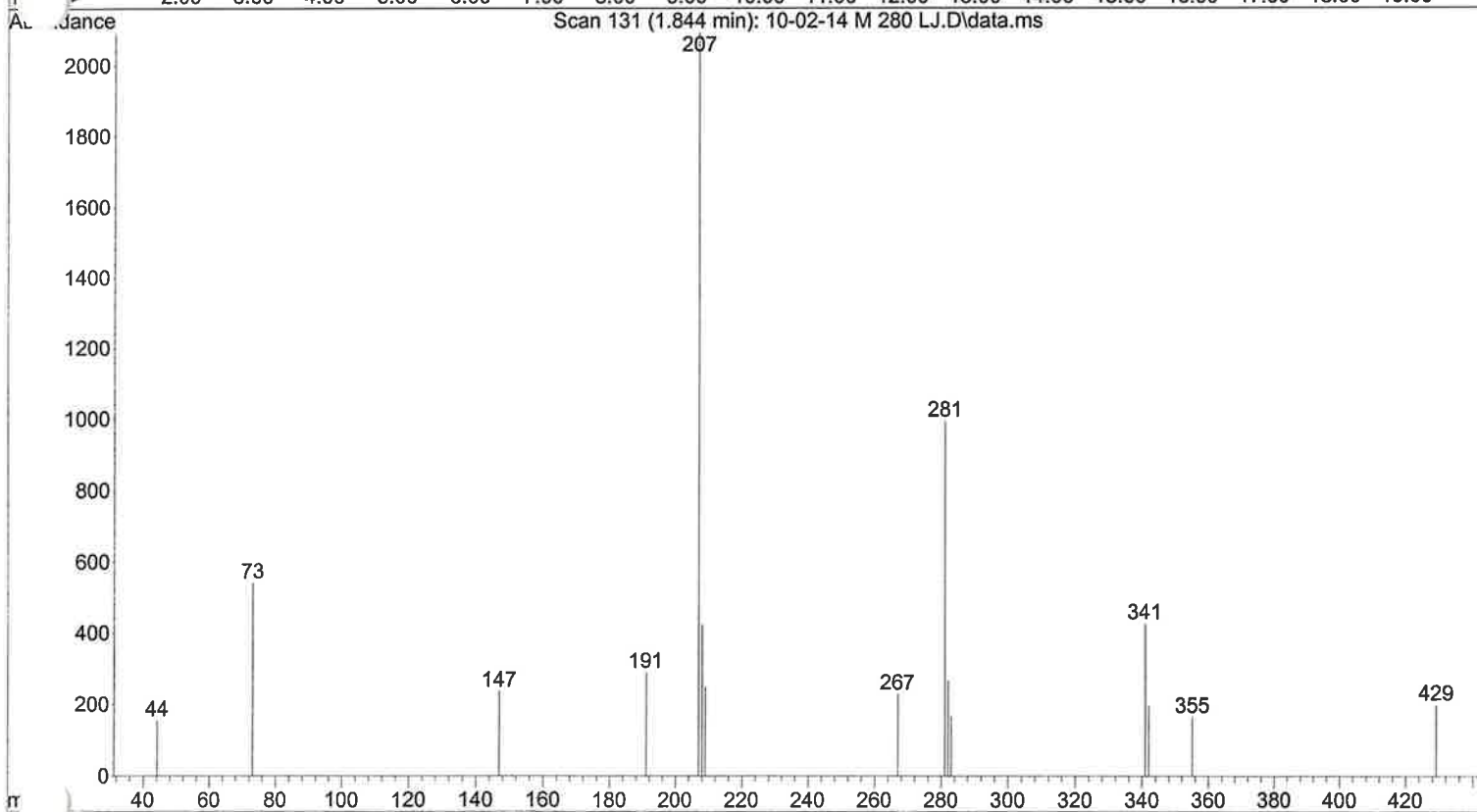
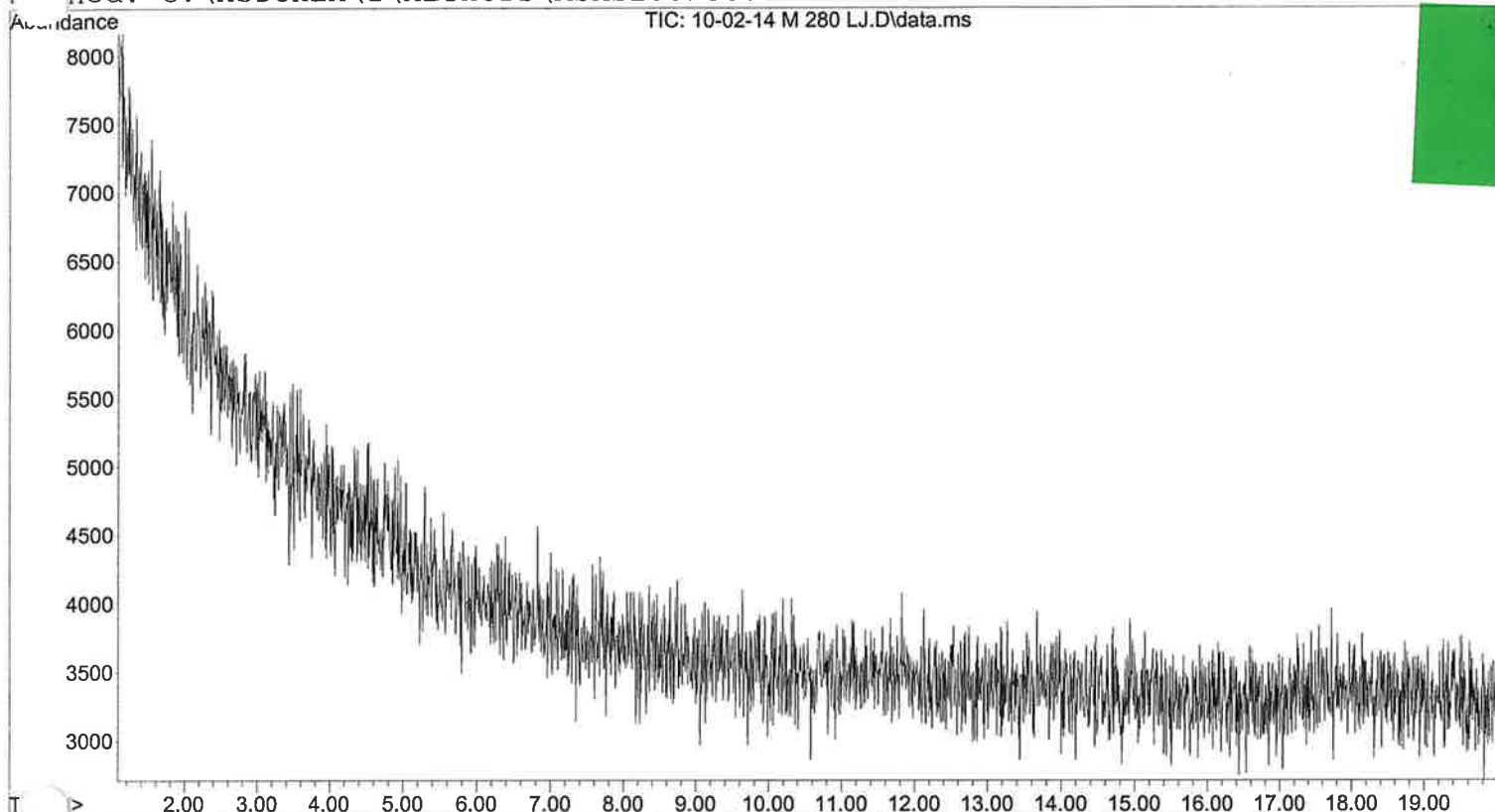
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.29 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\JTN mix MSDr
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 11:44
Information: JWH 081, Testosterone, Nandrolone Misc. Information: Methanol 100-
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



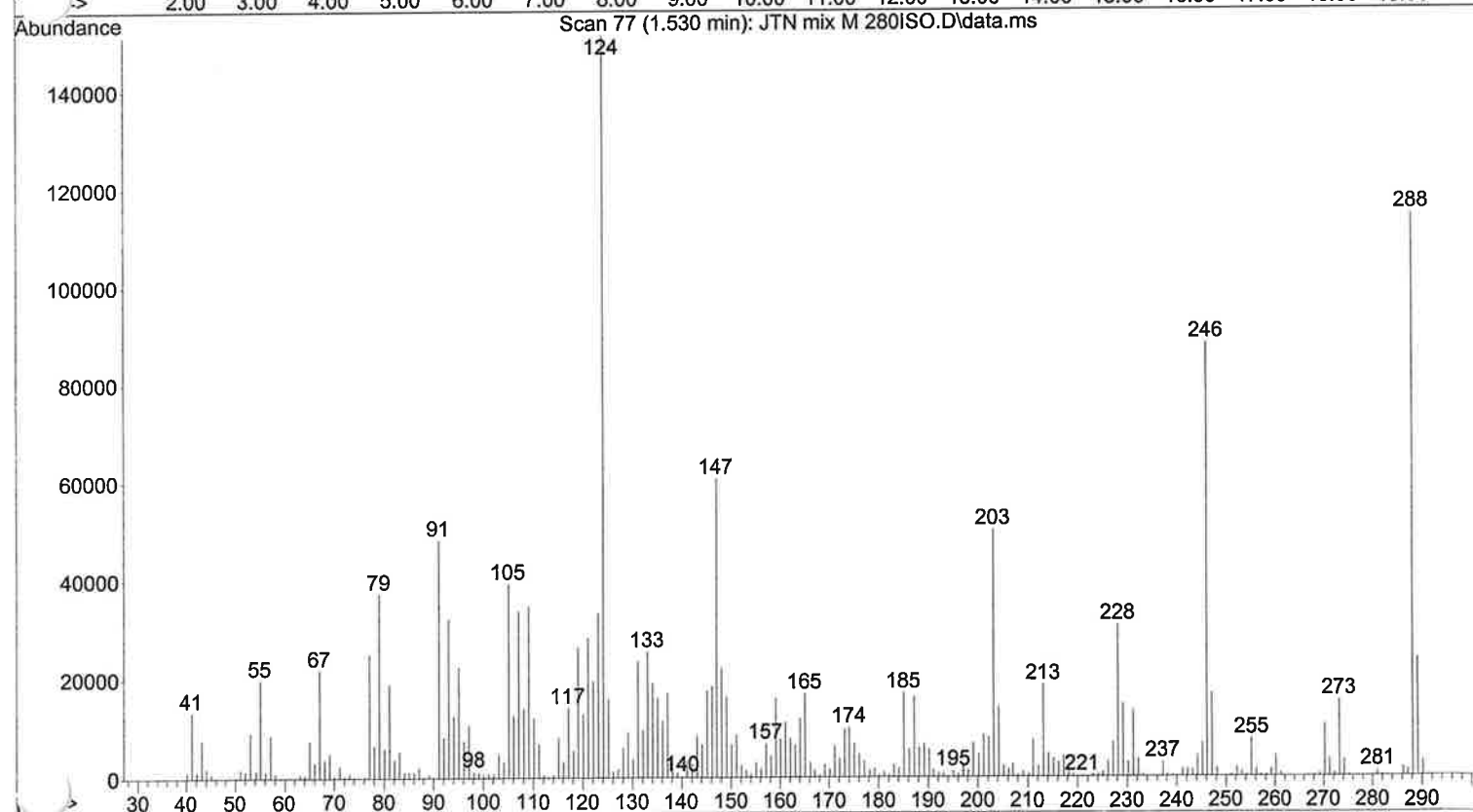
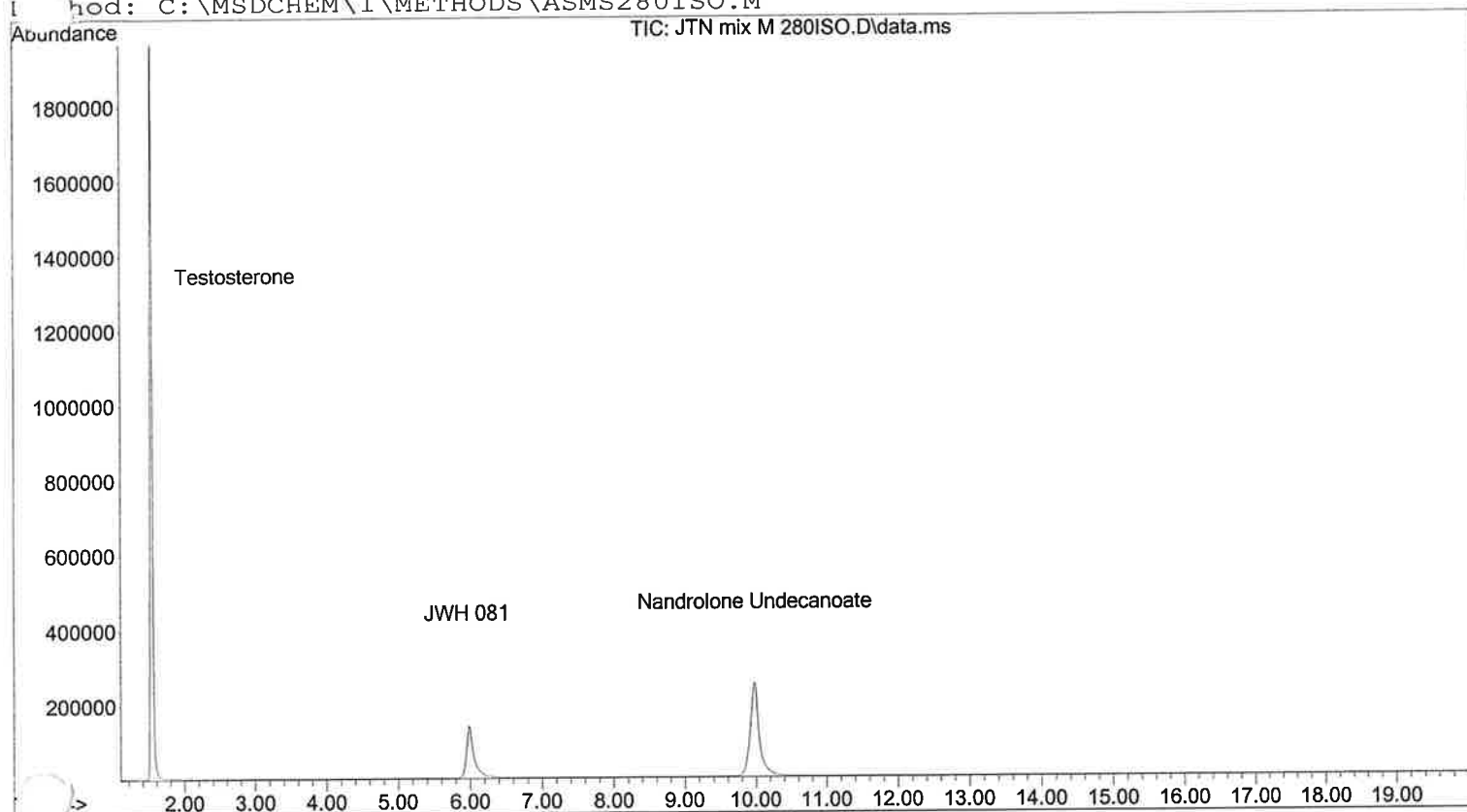
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 10.29 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\10-02-14 M 280
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 12:17
Information: Methanol Blank 10/2/14 Misc. Information: Methanol 280c for 20 min
Method: C:\MSDCHEM\1\METHODS\ASMS280ISO.M



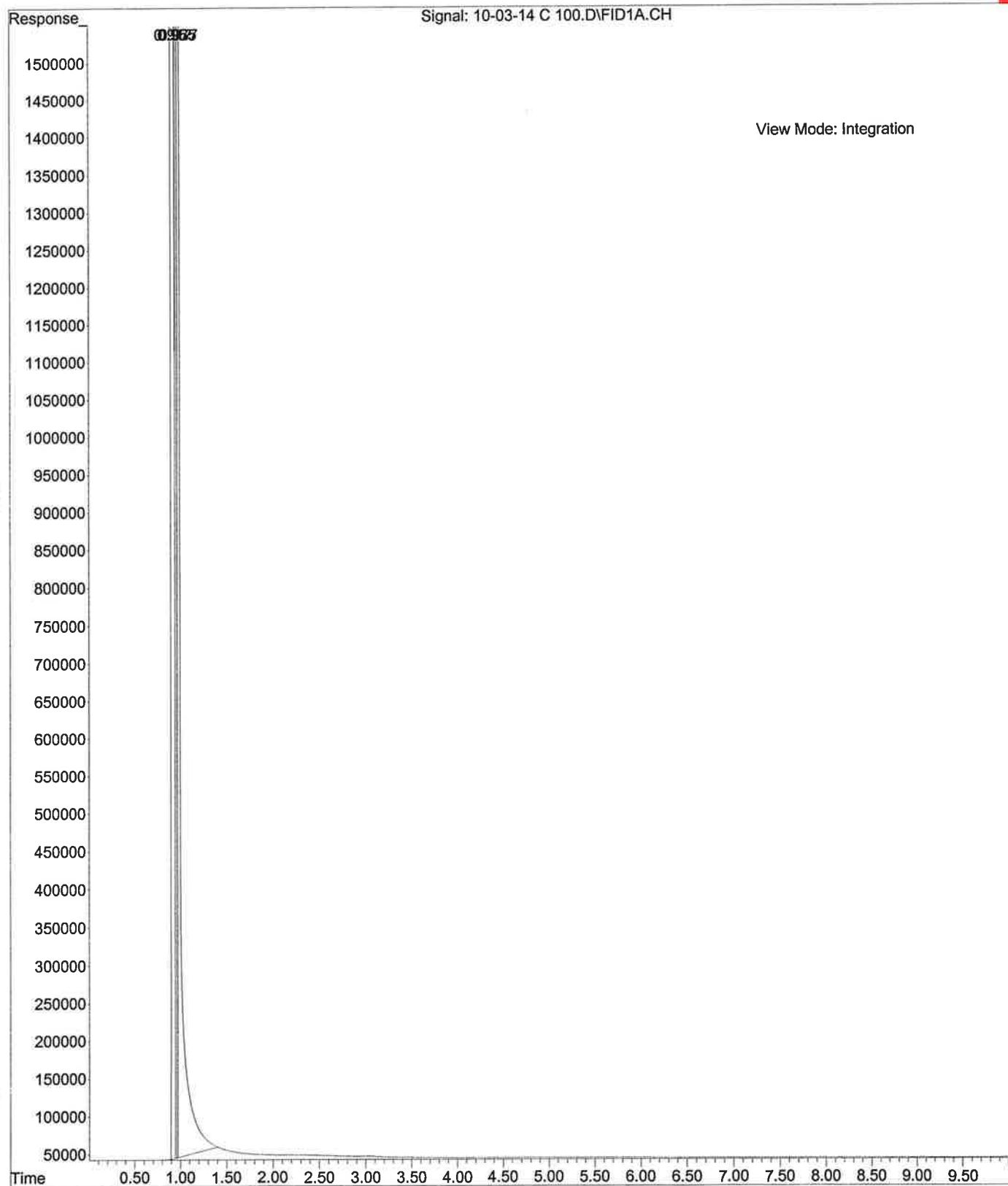
Column: a 12.0 m Agilent 19091-60312 Initial pressure: 20.08 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 280 'C held for 20.00 min Ramp:Rate Final temp
0.0 (Off)

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AS\JTN mix M 280
Instrument: Gumbo (model: 5973N Serial number: US40620428)
Tuned on 29 Sep 2014 8:09 am Scanned from 40.00 to 550.00 amu
Acquired by Nashville Lab on 2 Oct 2014 12:39
Information: JWH 081, Testosterone, Nandrolone Misc. Information: Methanol 280c
Method: C:\MSDCHEM\1\METHODS\ASMS280ISO.M

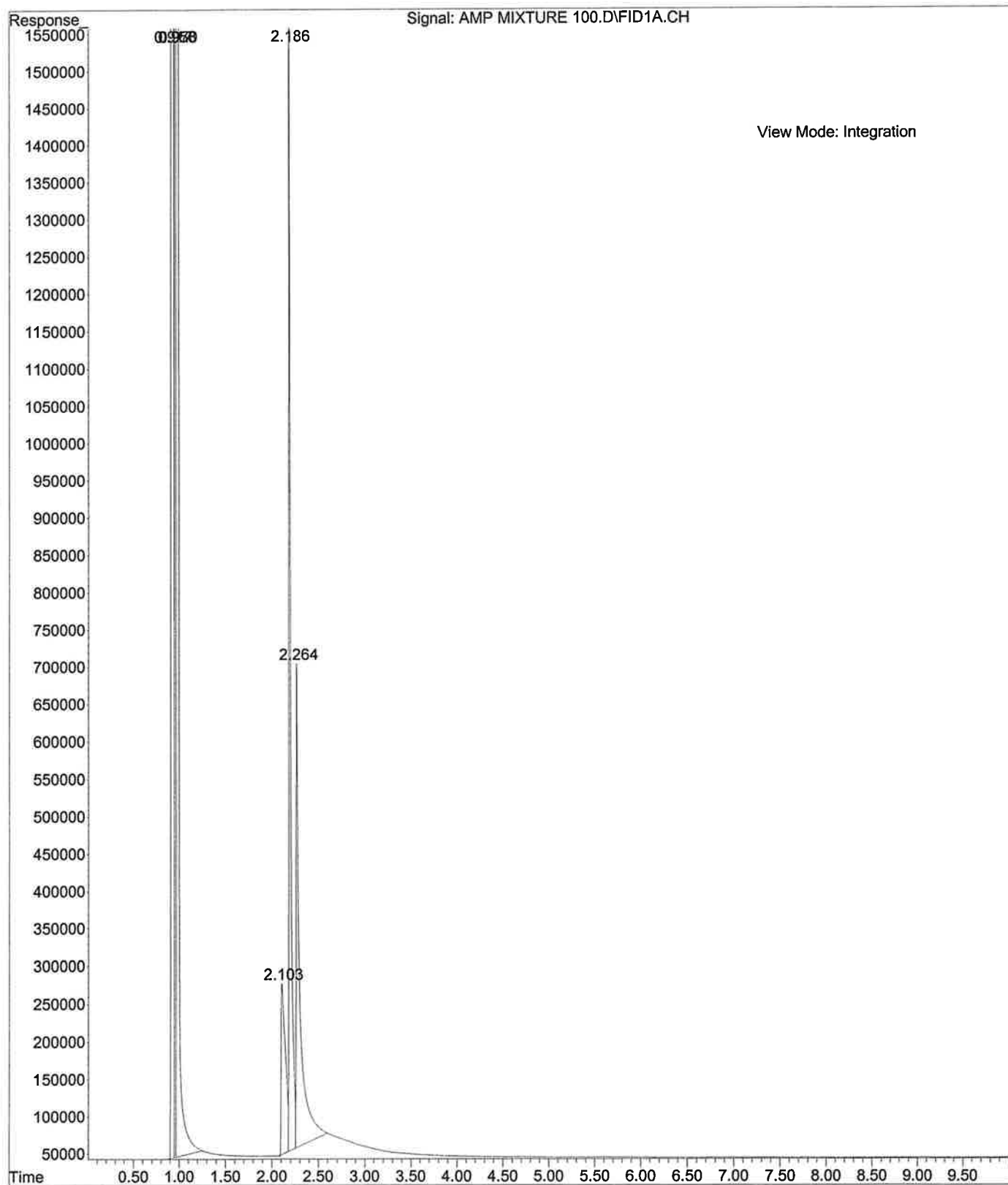


Column: a 12.0 m Agilent 19091-60312 Initial pressure: 20.08 psi
Inlet temperature: 250 'C Split Ratio: 40:1 Transfer Line Temp: 280 'C
Initial oven temp: 280 'C held for 20.00 mi Ramp:Rate Final temp
0.0 (Off)

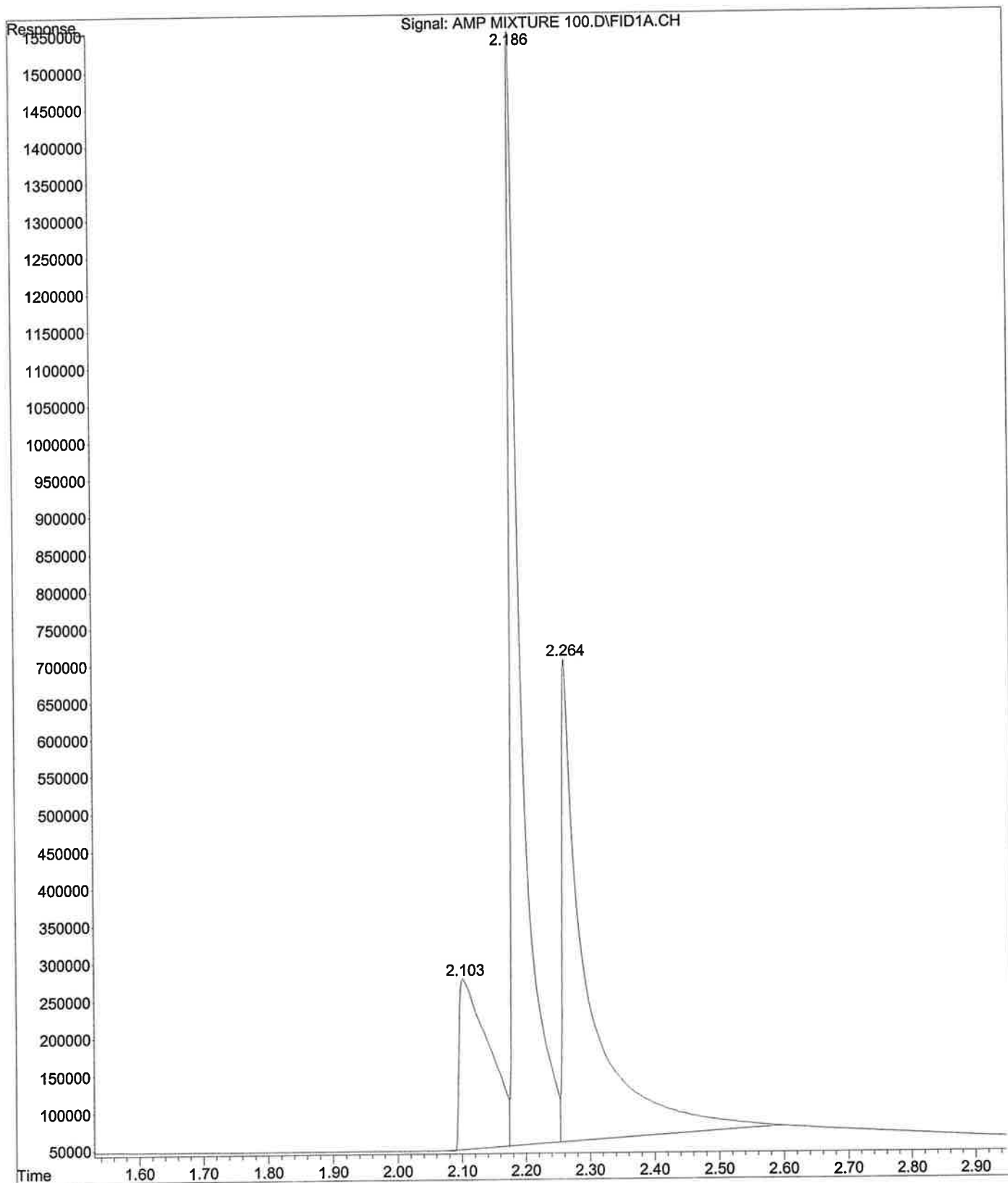
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-03-14
... C 100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:07 using AcqMethod GC100.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 100-280c @70c/min for 10 min



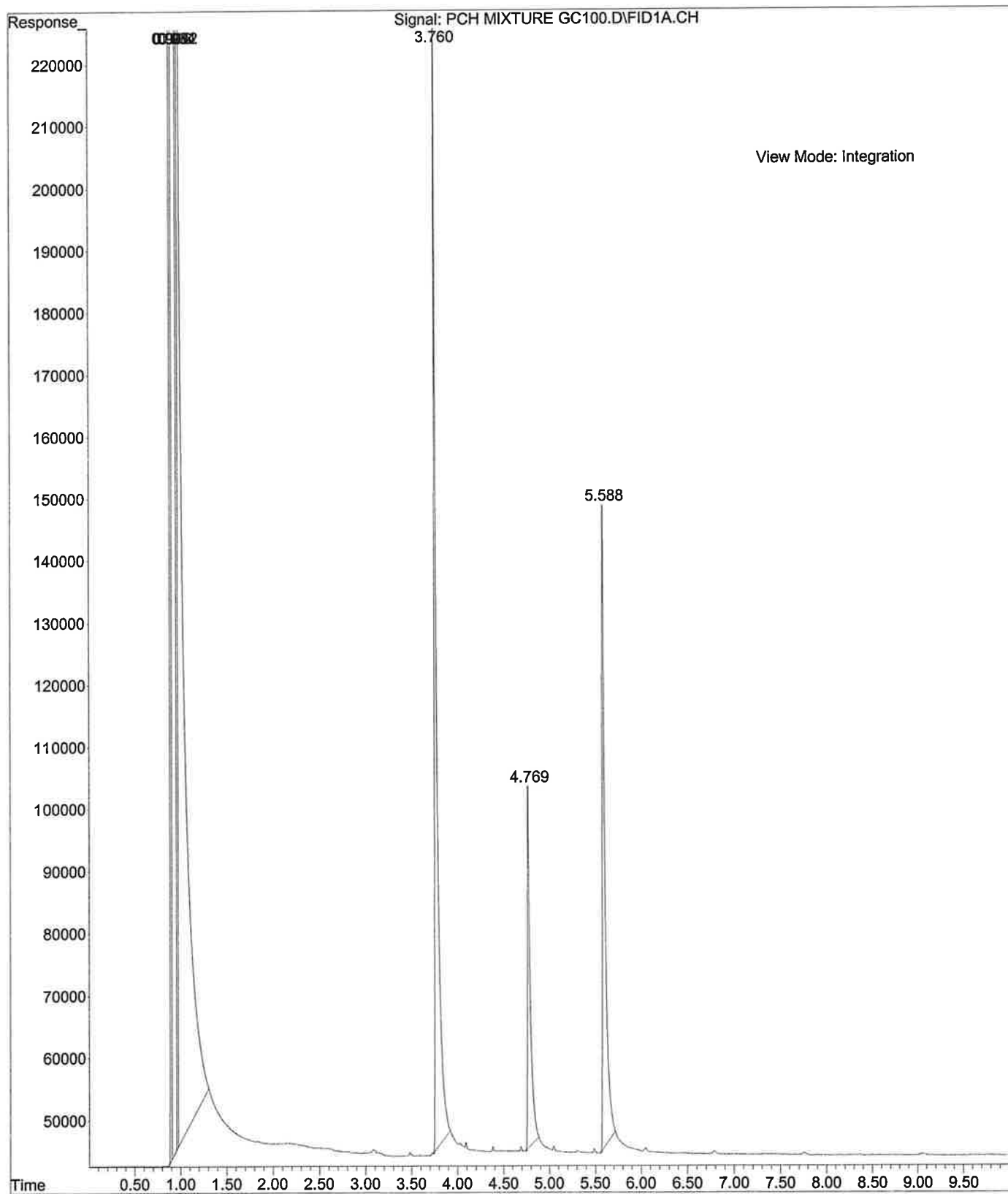
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AMP MIXTU
... RE 100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:20 using AcqMethod GC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min



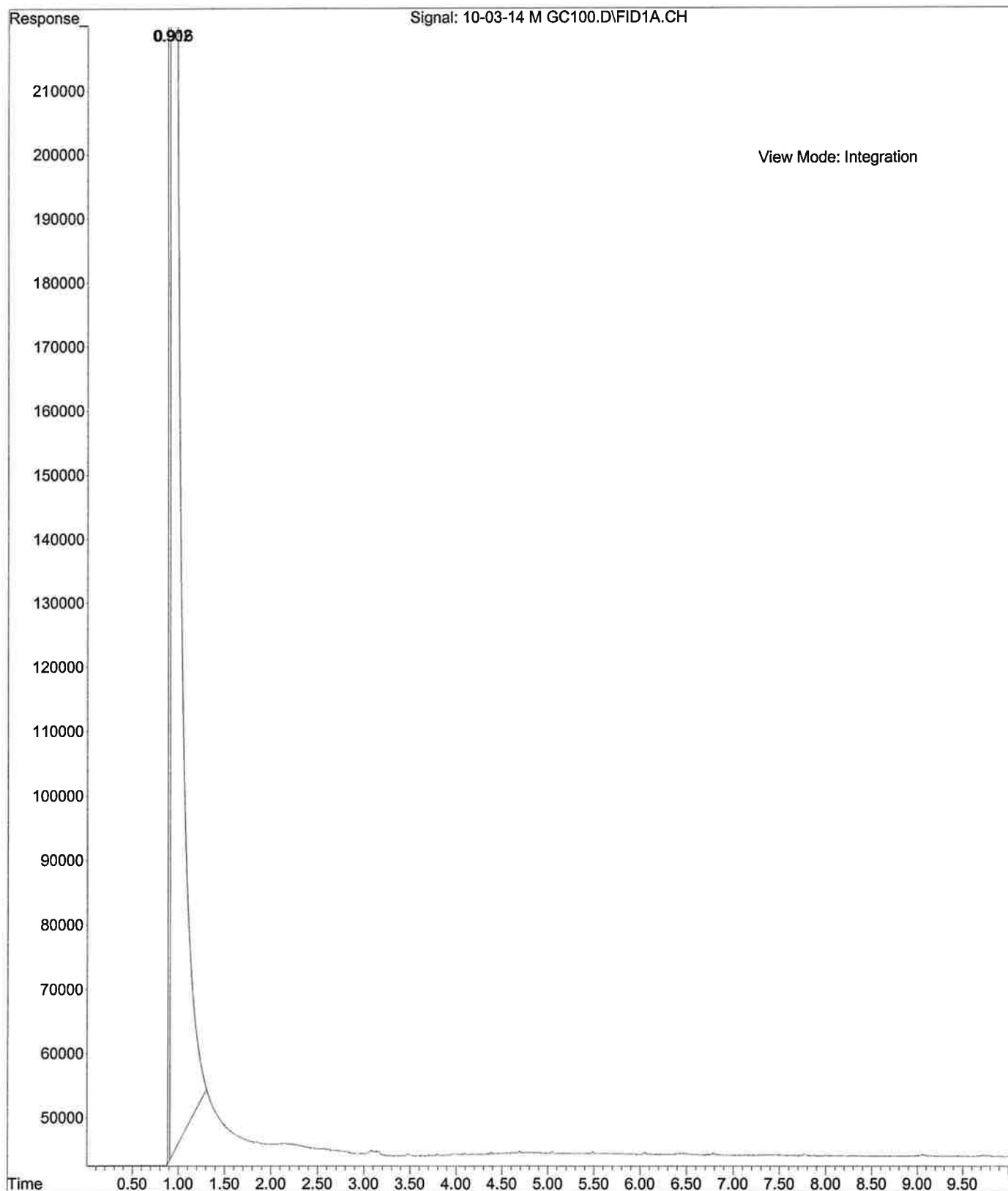
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AMP MIXTU
... RE 100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:20 using AcqMethod GC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min



File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\PCH MI
... XTURE GC100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:46 using AcqMethod GC100.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 10 min

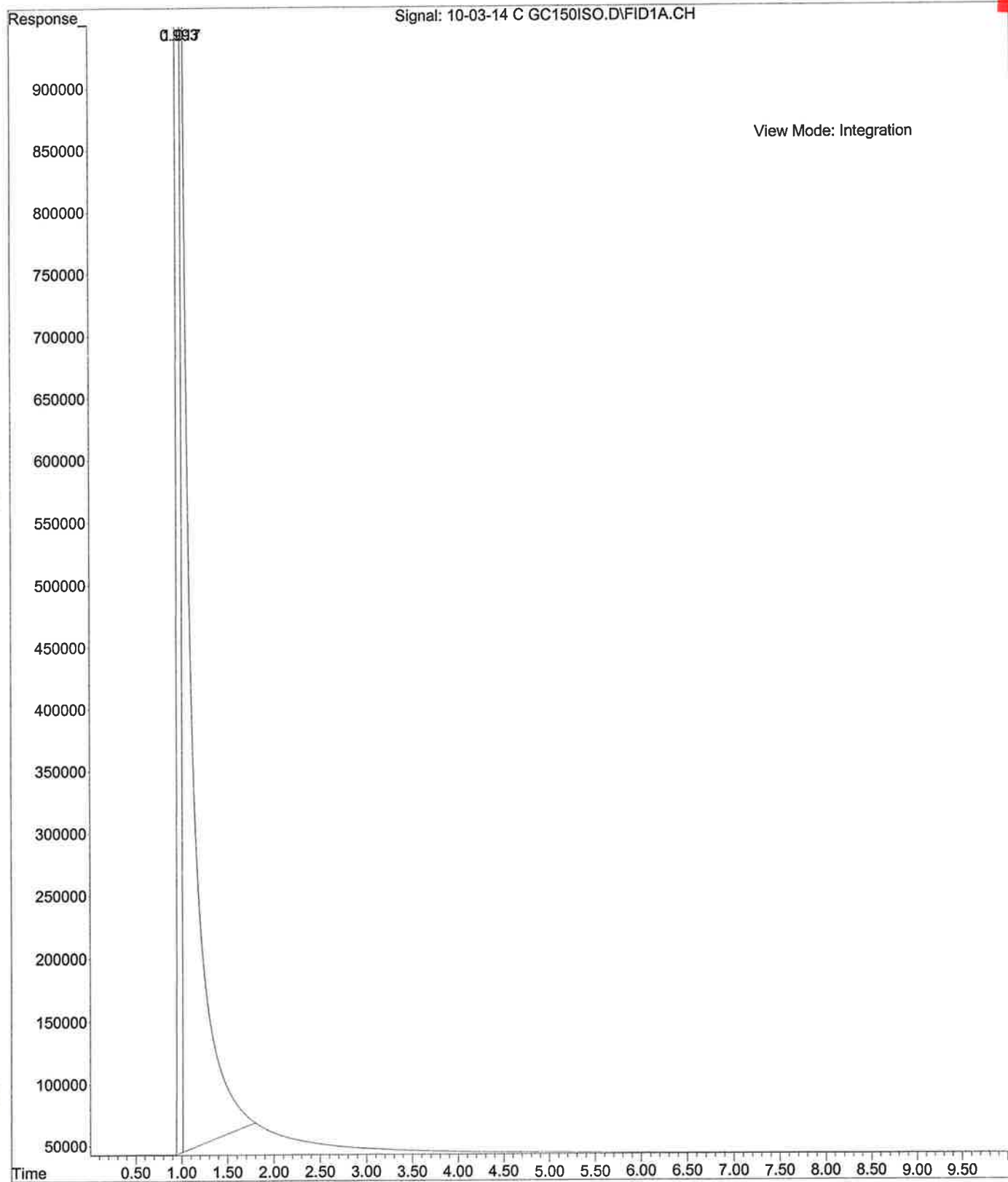


File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\10-03-14
... M GC100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:33 using AcqMethod GC100.M
Sample Name: Methanol Blank
Misc Info : Methanol 100-280c @70c/min for 10 min

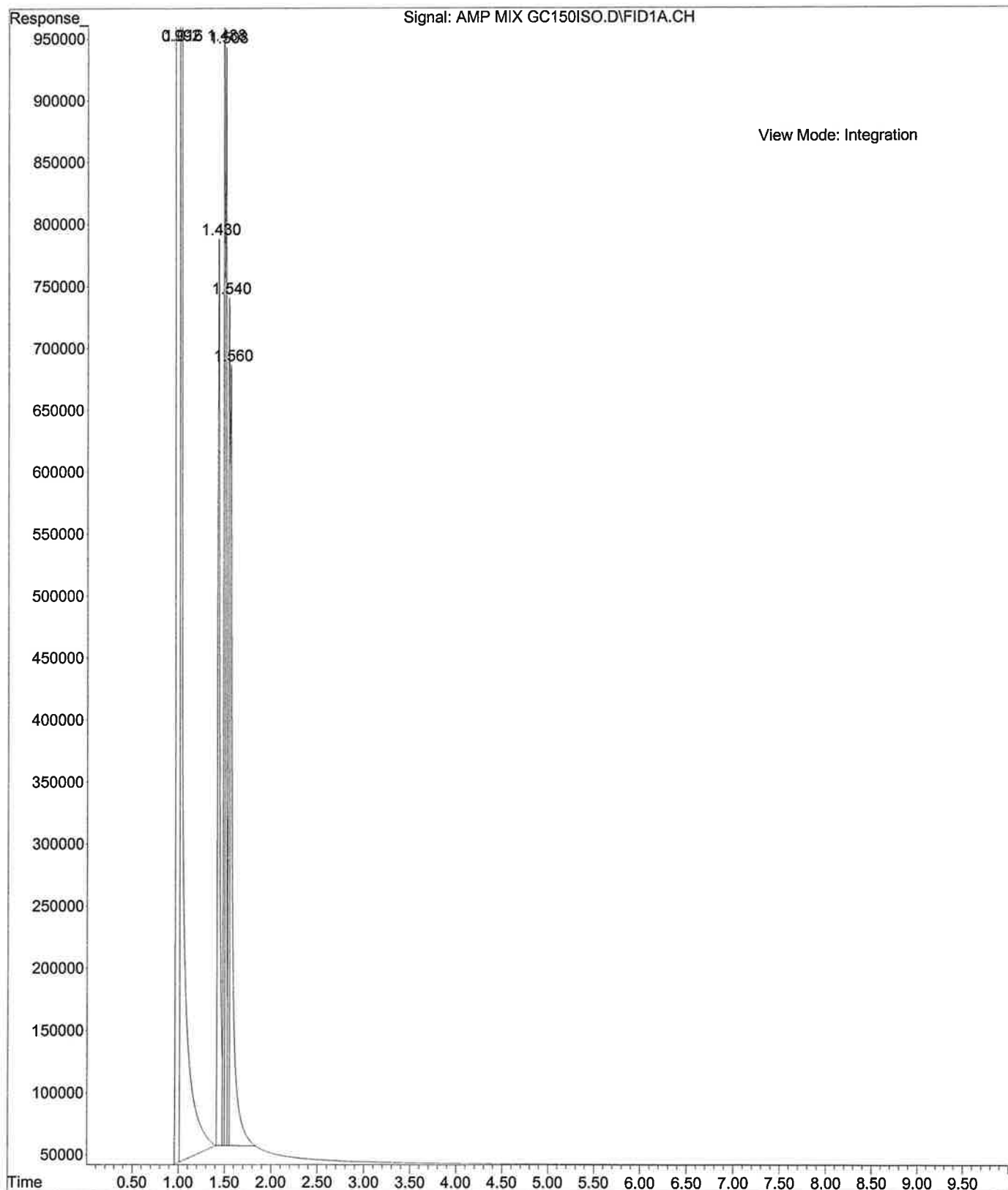


File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\10-03-
... 14 C GC150ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 10:50 using AcqMethod GC150ISO.M
Sample Name: Chloroform Blank
Misc Info : Chlroform 150c for 10 min

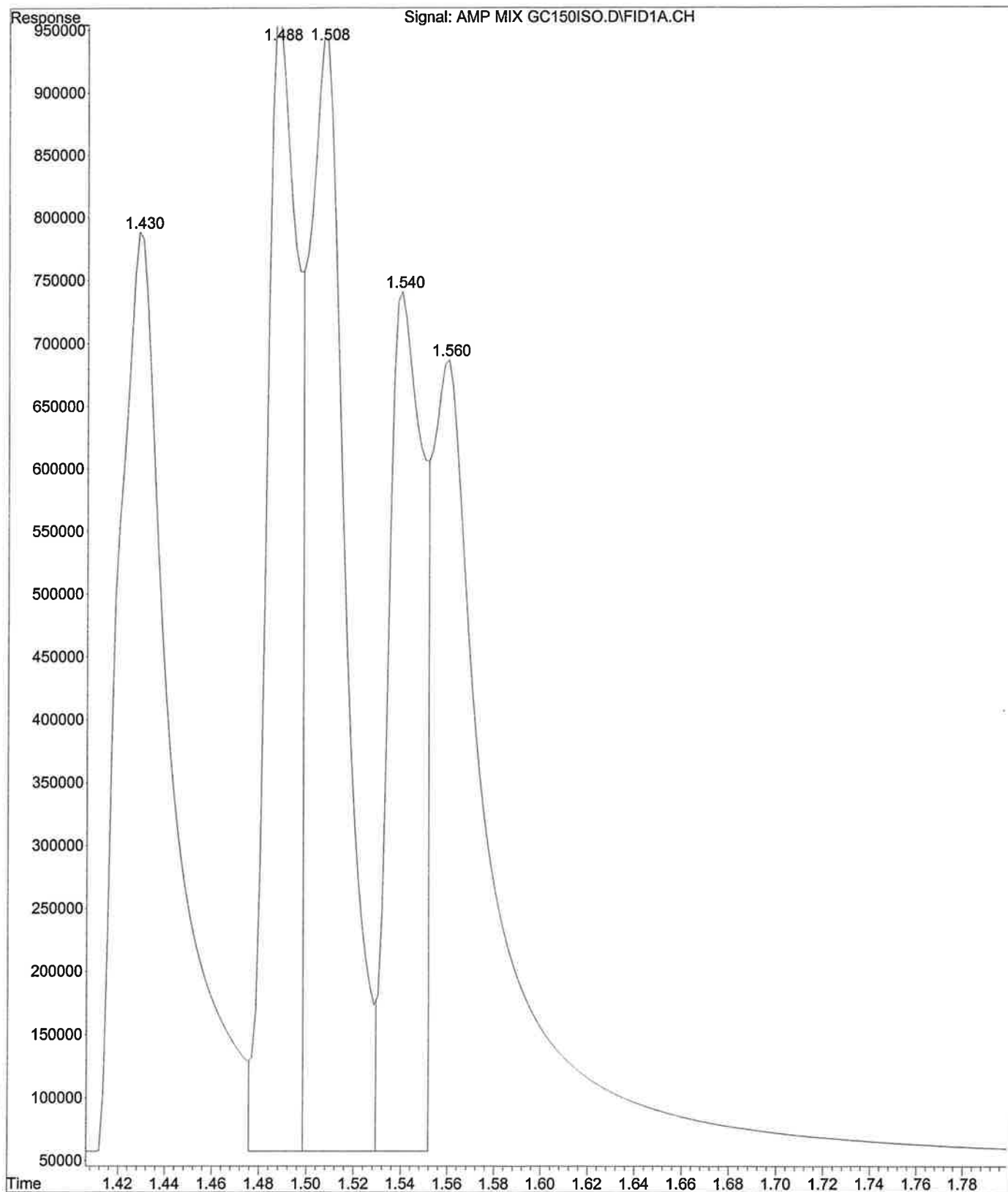
GC150ISO



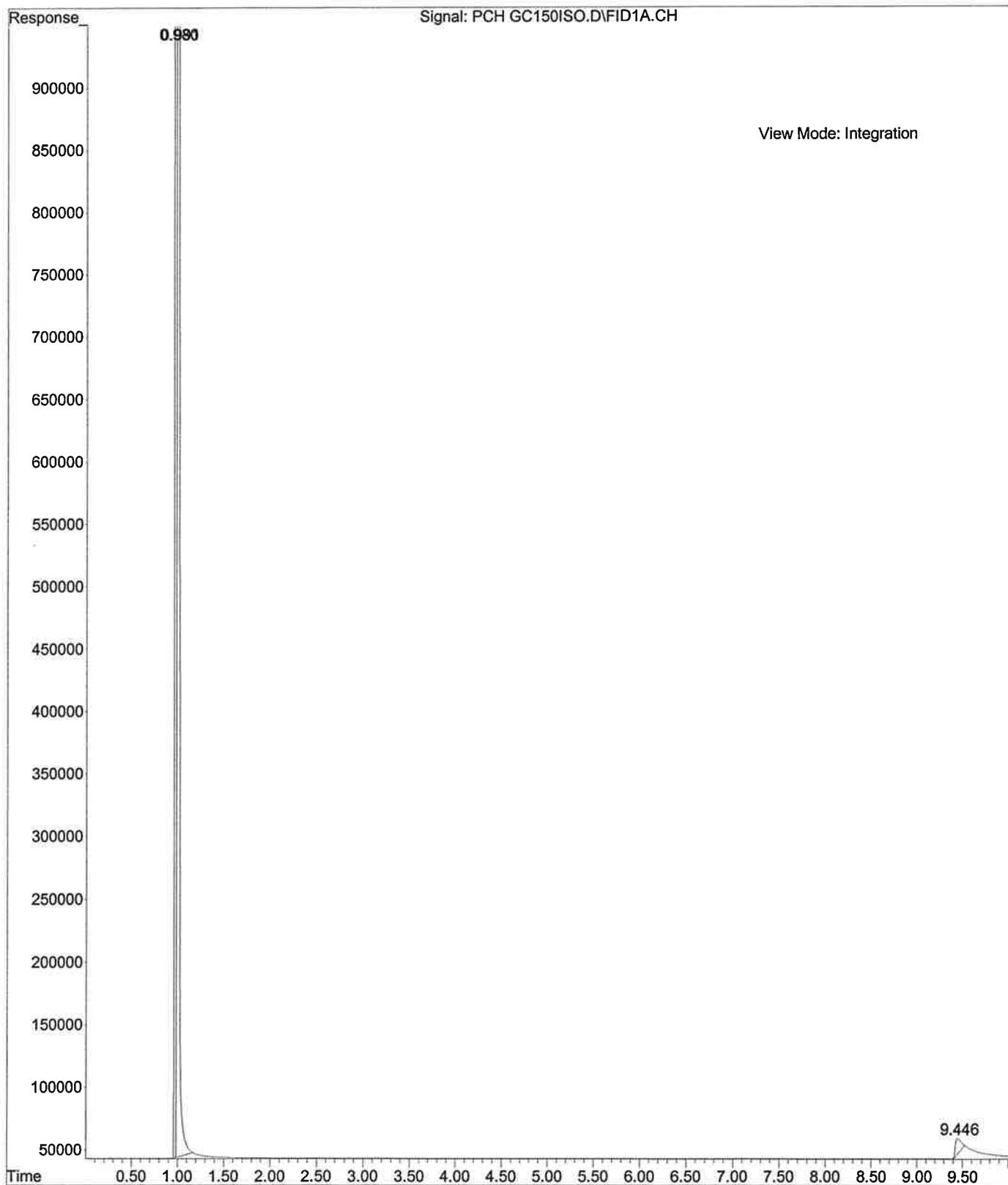
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\AMP MI
... X GC150ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 11:05 using AcqMethod GC150ISO.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chlroform 150c for 10 min



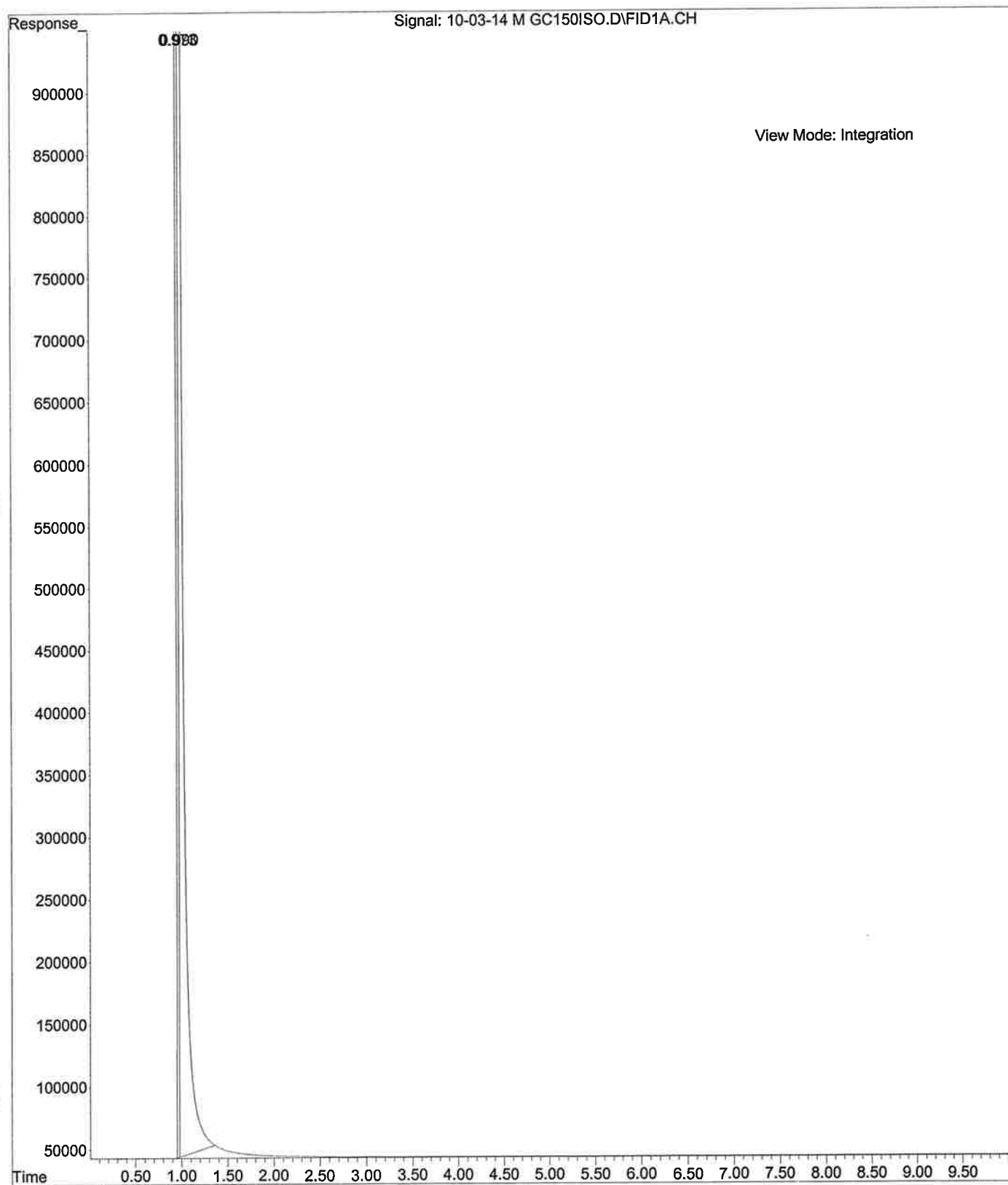
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\AMP MI
... X GC150ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 11:05 using AcqMethod GC150ISO.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chlroform 150c for 10 min



File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\PCH GC
... 150ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 12:23 using AcqMethod GC150ISO.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 min

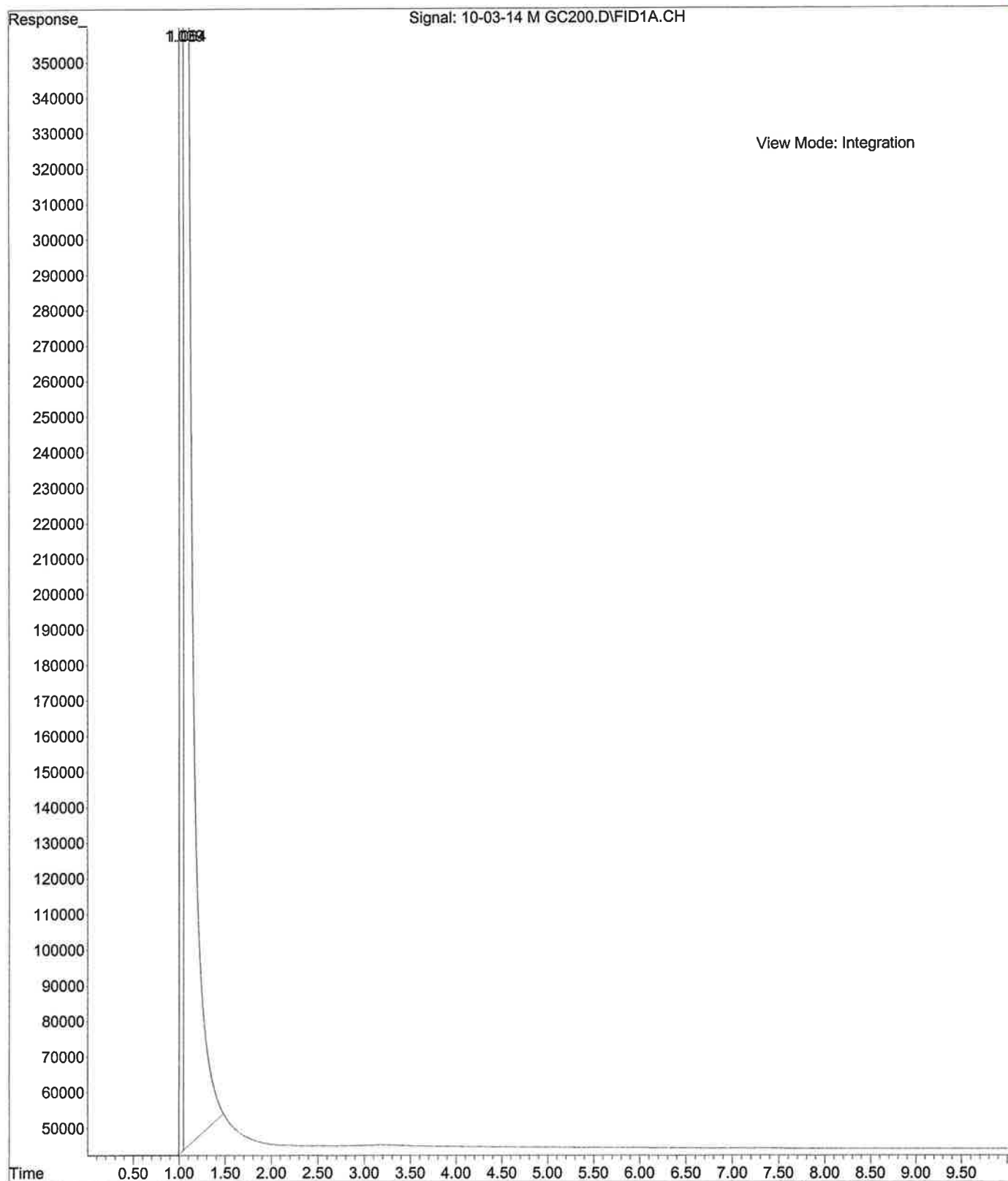


File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\10-03-
... 14 M GC150ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 12:12 using AcqMethod GC150ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 150c for 10 min

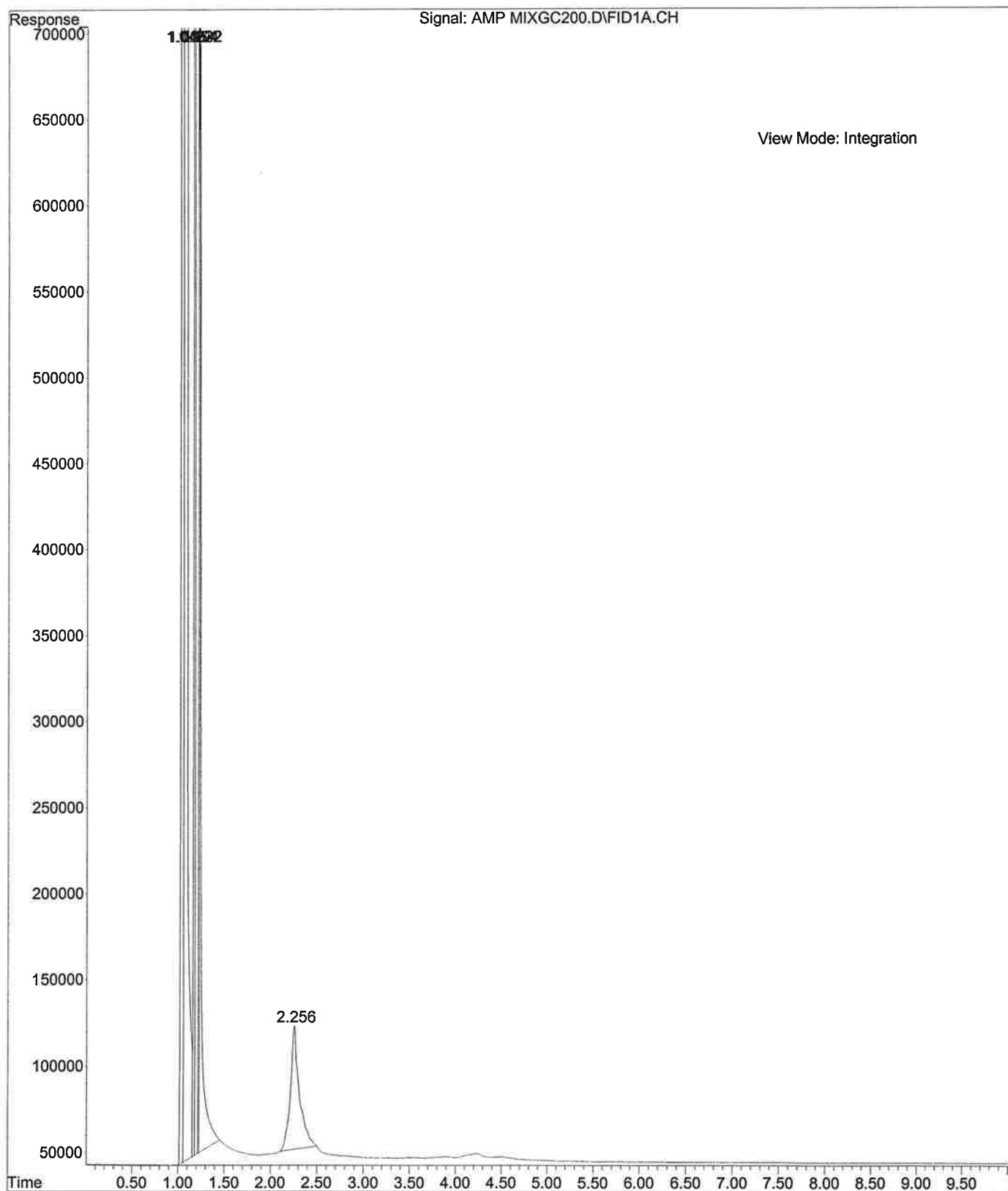


File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\10-03-
... 14 M GC200.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 10:04 using AcqMethod GC200.M
Sample Name: Methanol Blank
Misc Info : Methanol 200-280c @70c/min for 10 min

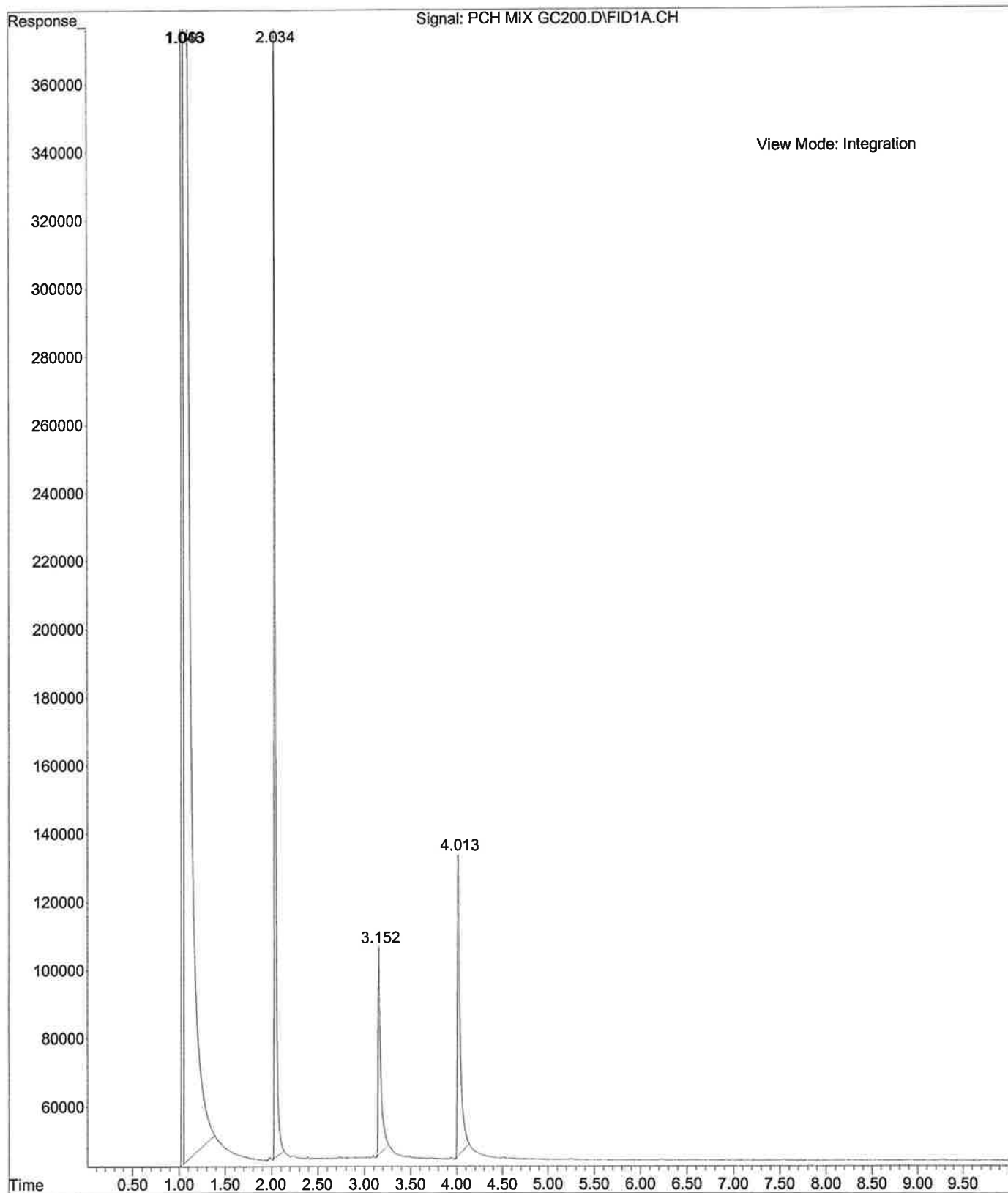
GC200



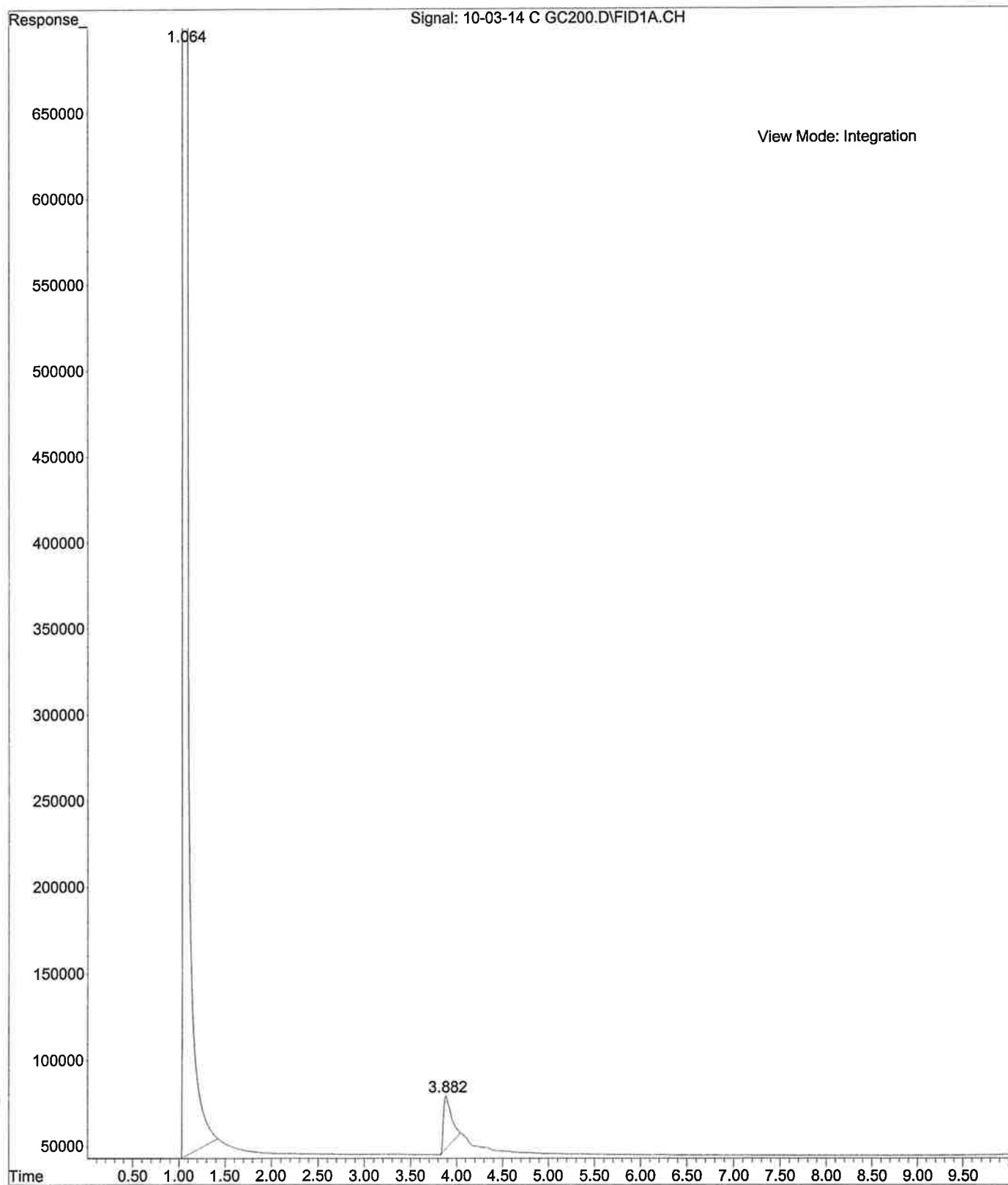
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\AMP MI
... XGC200.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 9:45 using AcqMethod GC200.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 200-280c @70c/min for 10 min



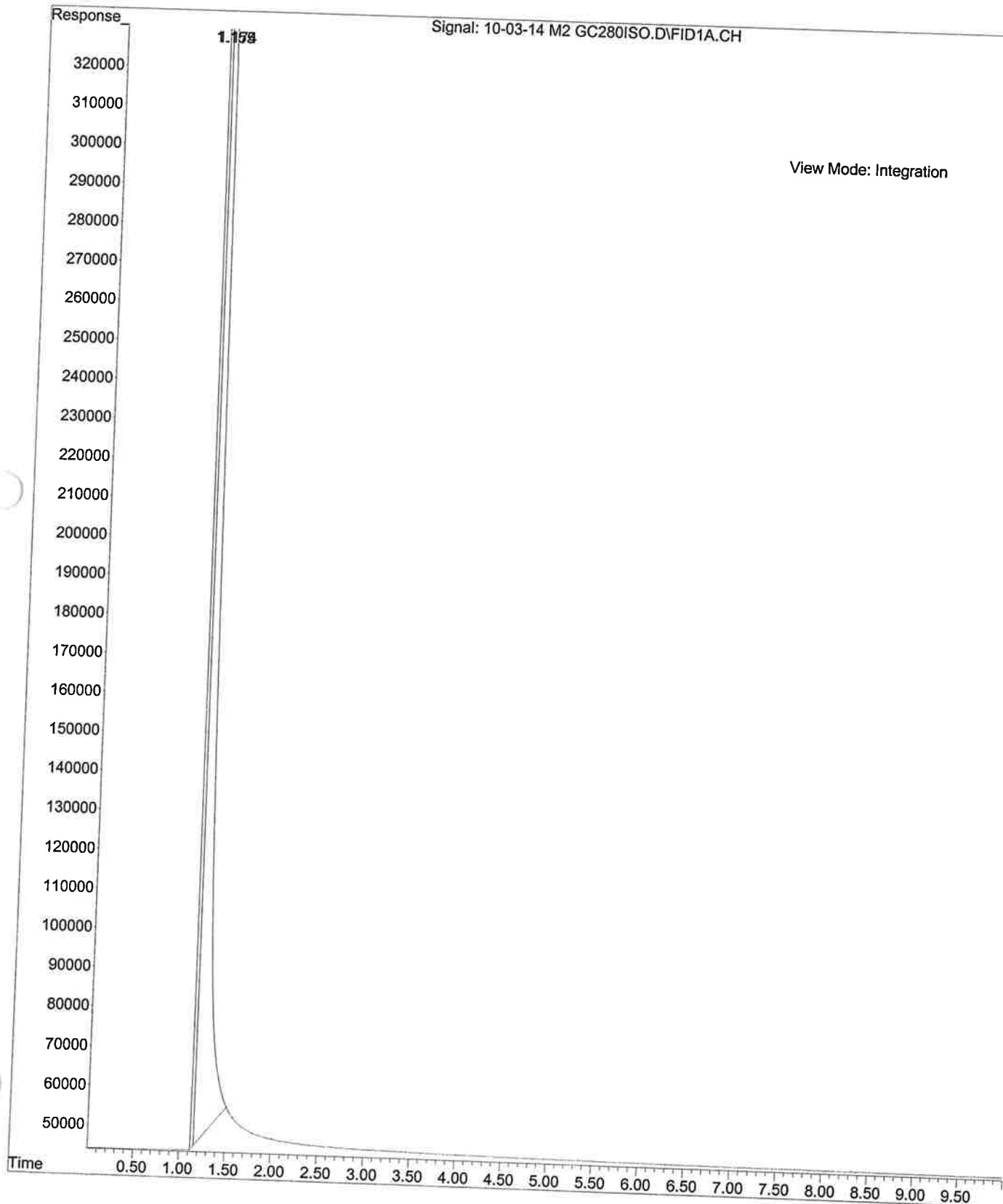
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\PCH MI
... X GC200.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 10:16 using AcqMethod GC200.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 min



File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\10-03-
... 14 C GC200.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 9:34 using AcqMethod GC200.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 200-280c @70c/min for 10 min

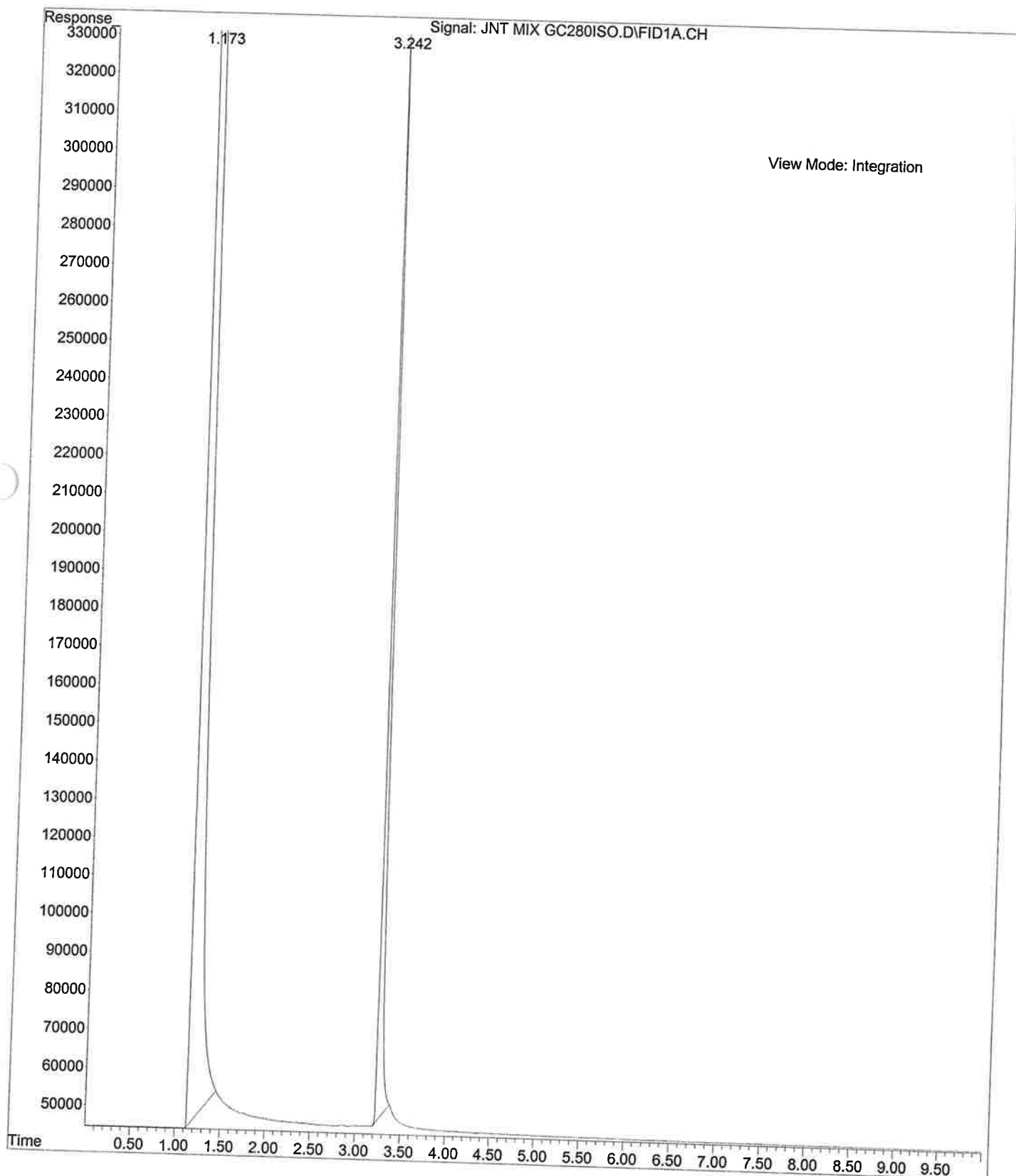


File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\10-03-
... 14 M2 GC280ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 10:35 using AcqMethod GC280ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 10 min

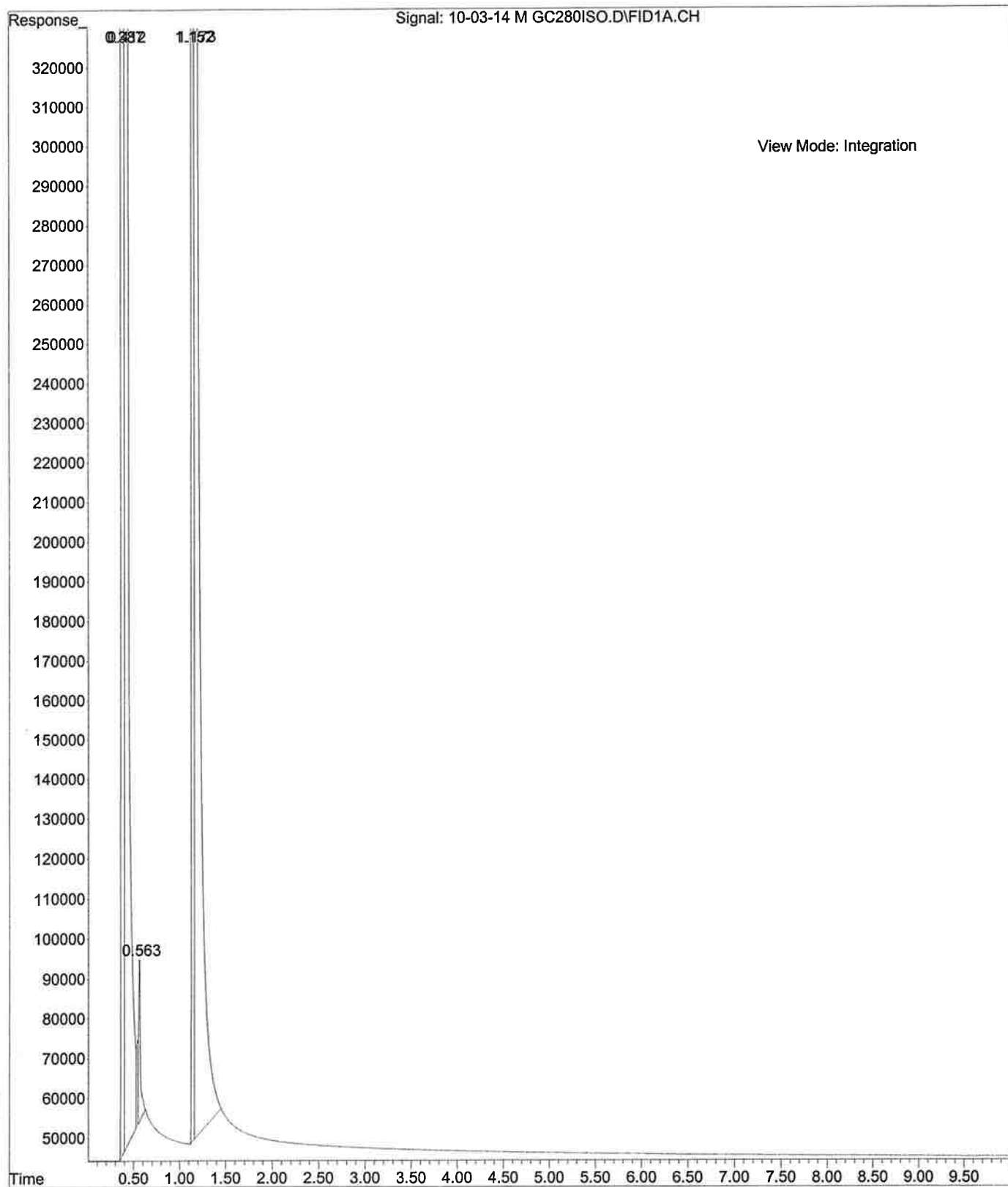


GC280ISO

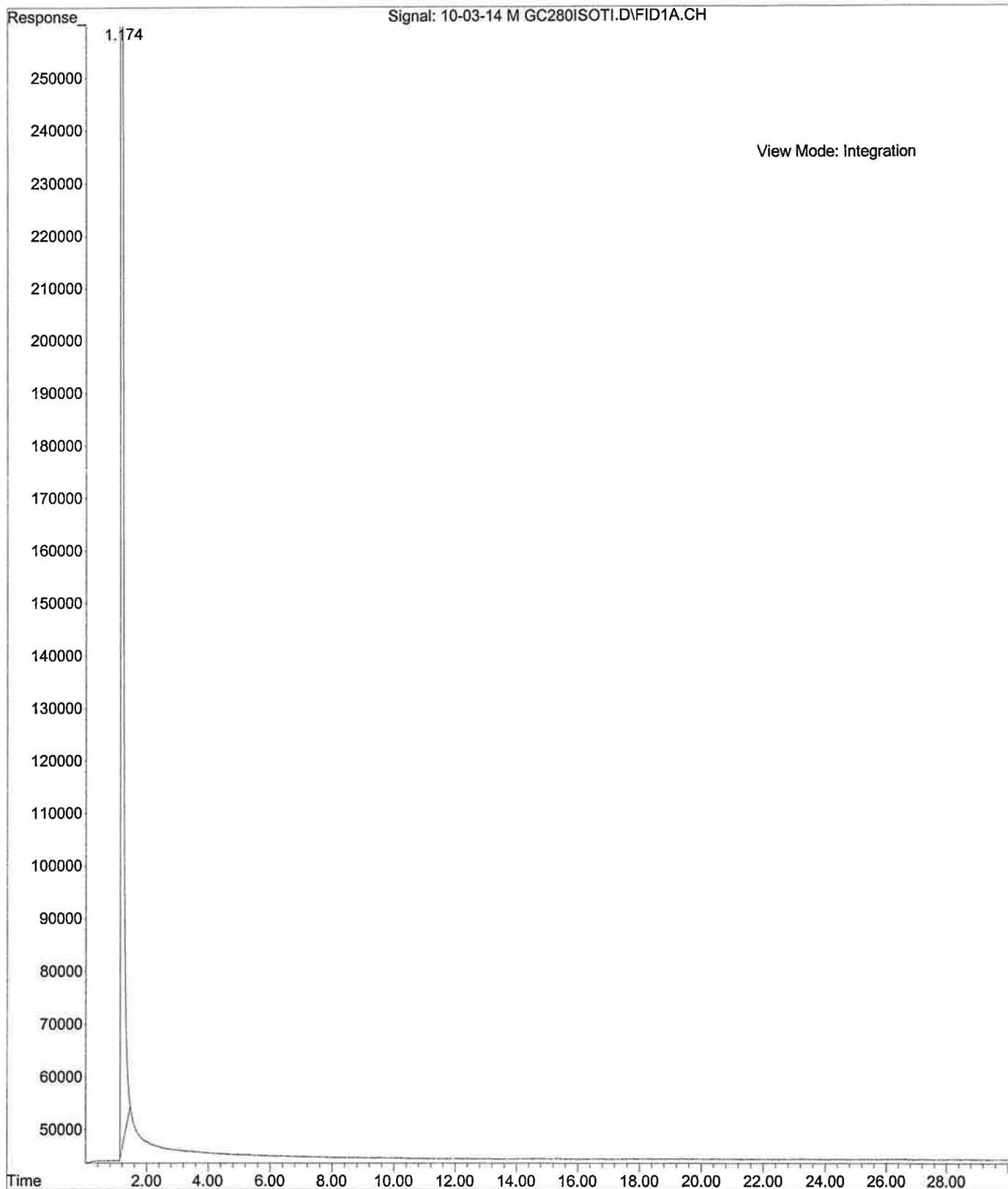
File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\JNT MI
... X GC280ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 9:22 using AcqMethod GC280ISO.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 10 min



File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\10-03-
... 14 M GC280ISO.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 9:03 using AcqMethod GC280ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 10 min

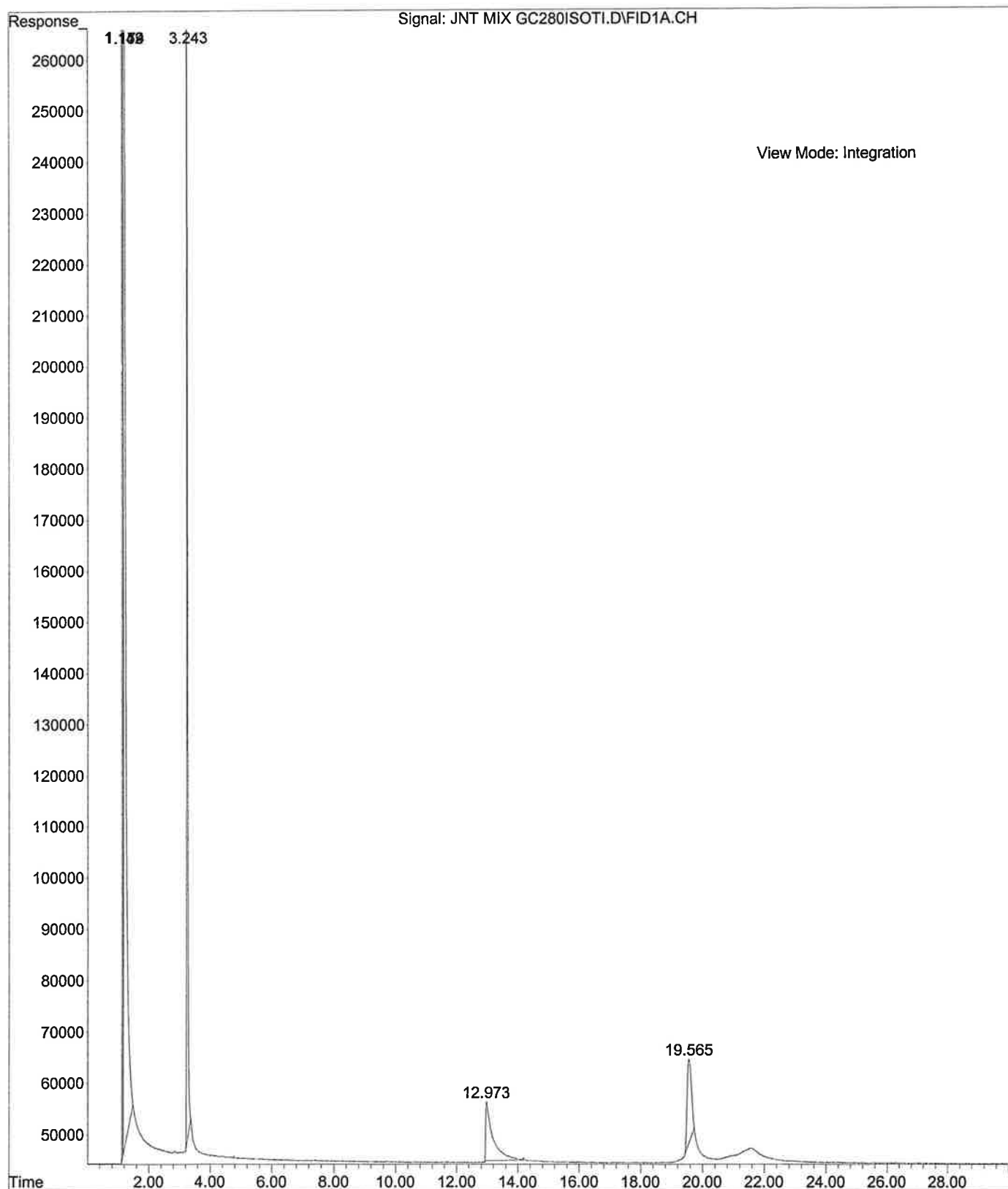


File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\10-03-
... 14 M GC280ISOTI.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:58 using AcqMethod GC280ISOTI.M
Sample Name: Methanol Blank 10/3/14
Misc Info : Methanol 280c for 30 min

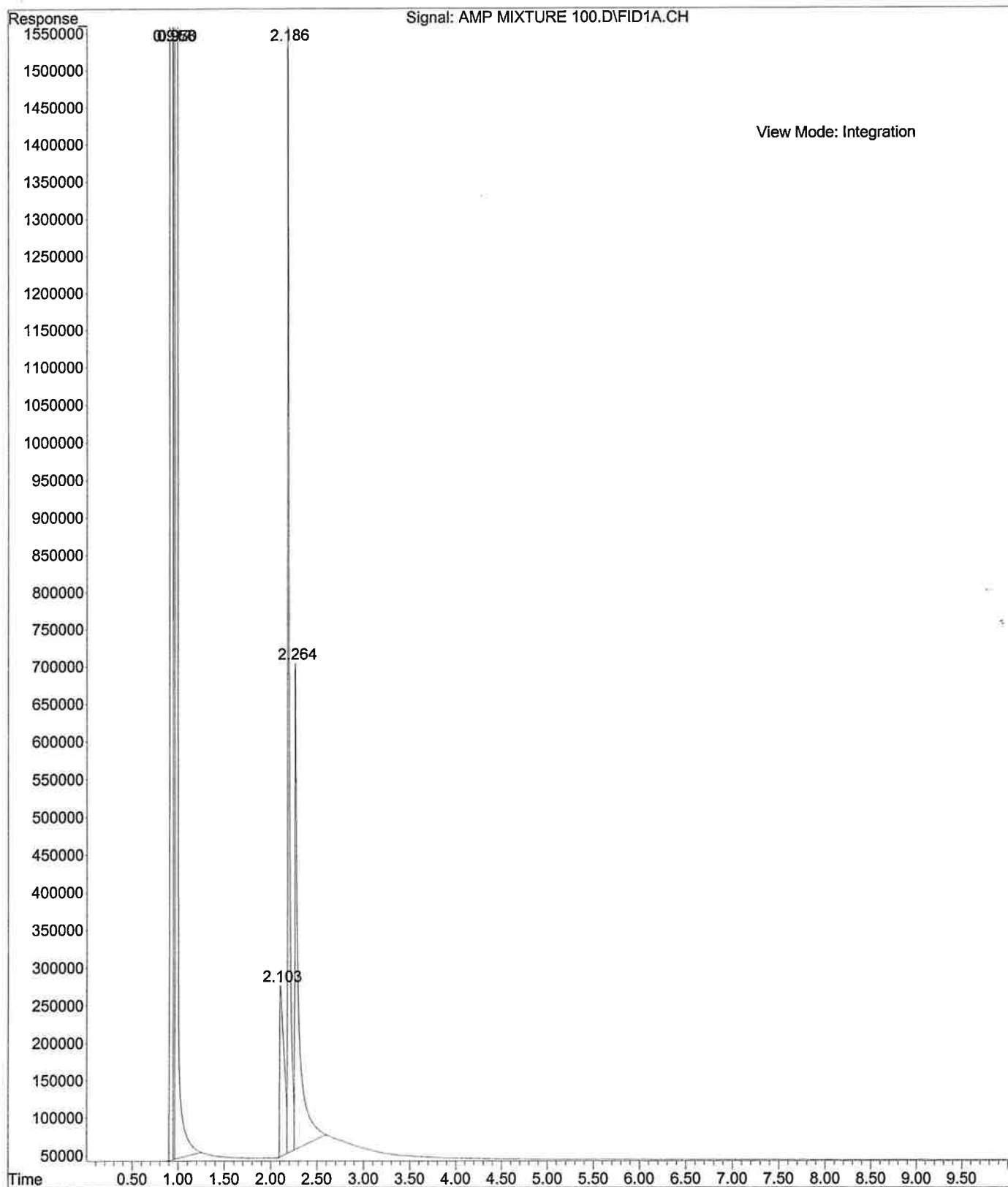


GC 280ISOTI

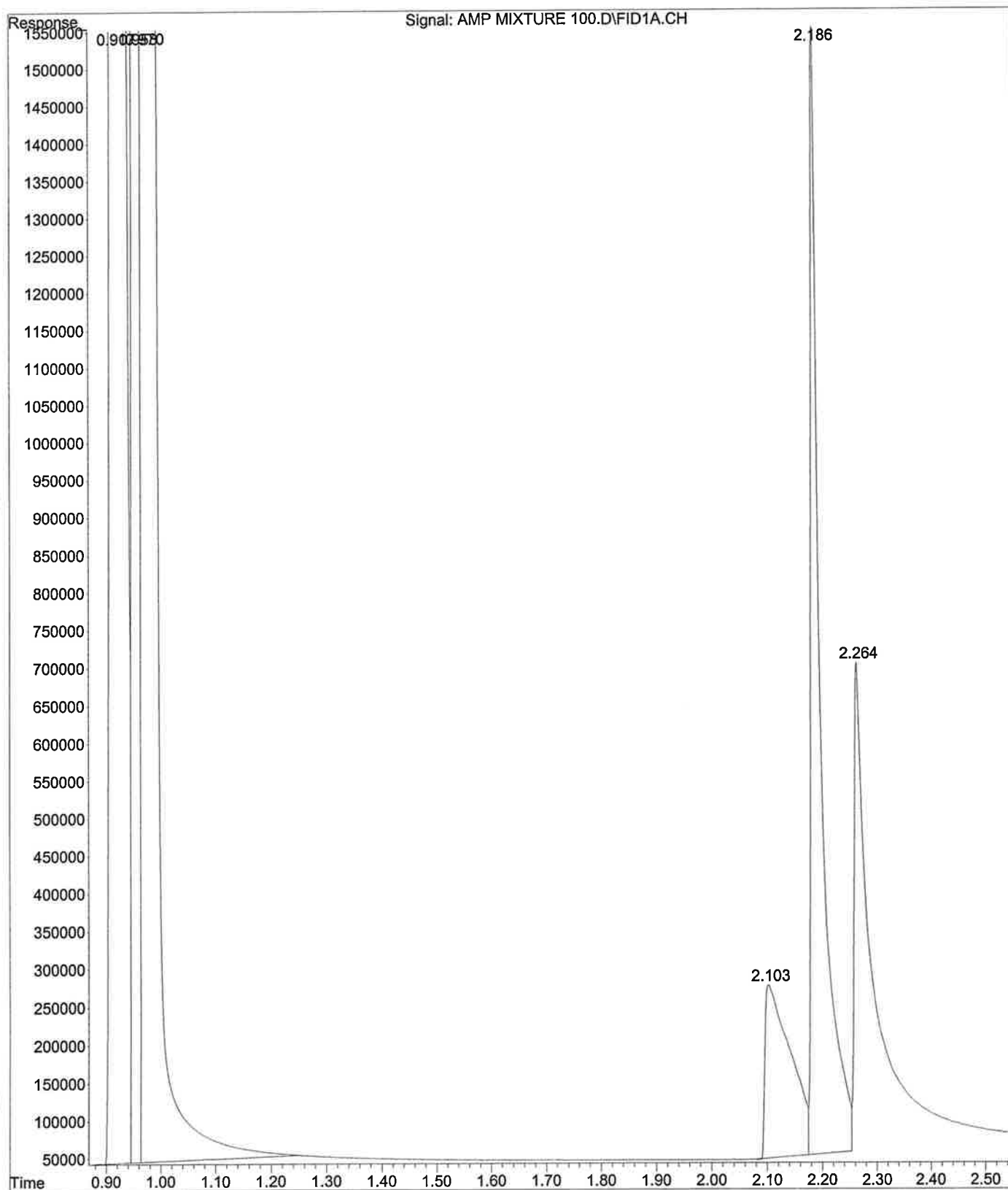
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... X GC280ISOTI.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 8:30 using AcqMethod GC280ISOTI.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 30 min



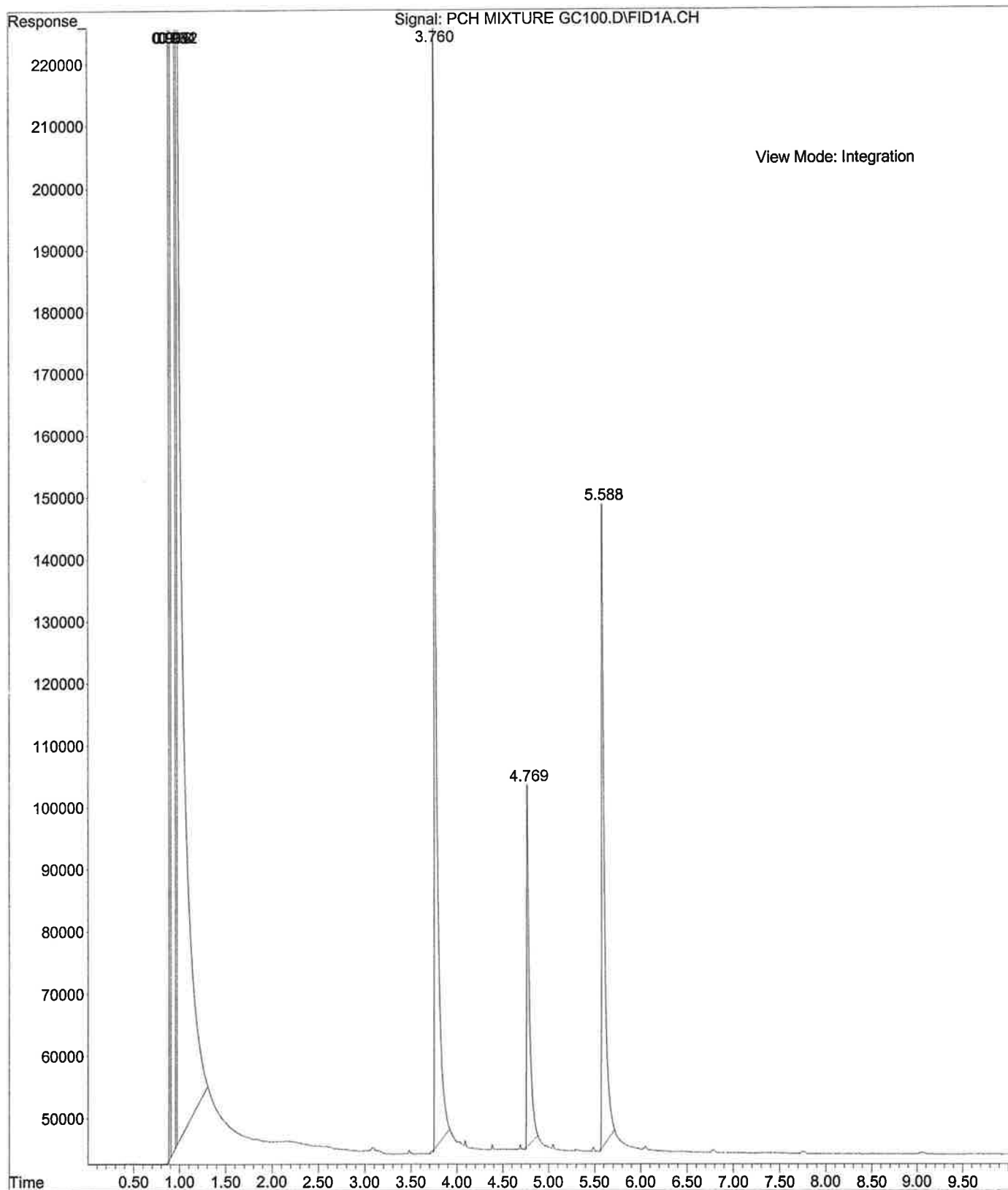
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AMP MIXTU
... RE 100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:20 using AcqMethod GC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min



File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\AMP MIXTU
... RE 100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:20 using AcqMethod GC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min

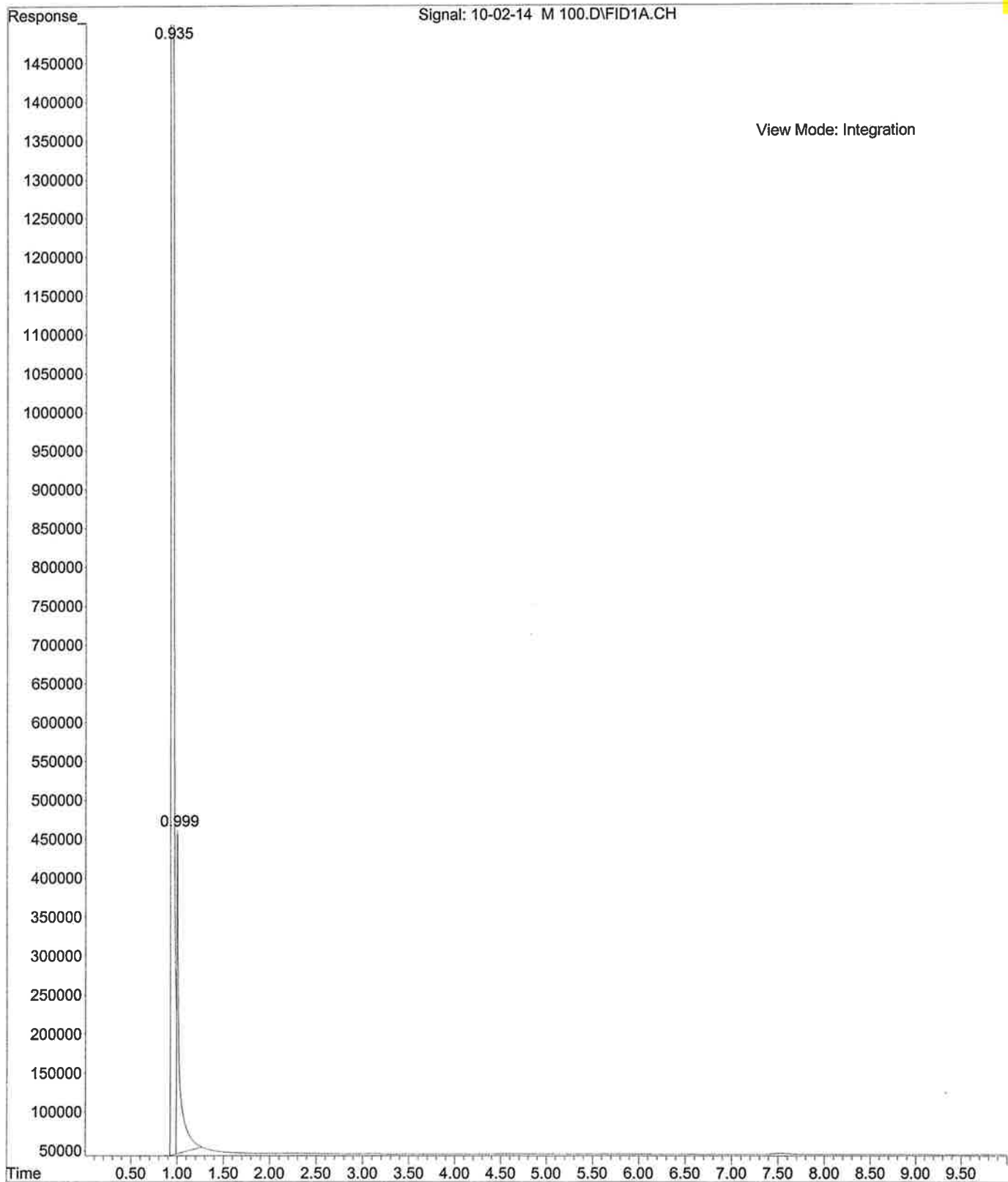


File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC\PCH MI
... XTURE GC100.D
Operator : Lela Jackson
Instrument : HP G1530A
Acquired : 03 Oct 2014 7:46 using AcqMethod GC100.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 10 min

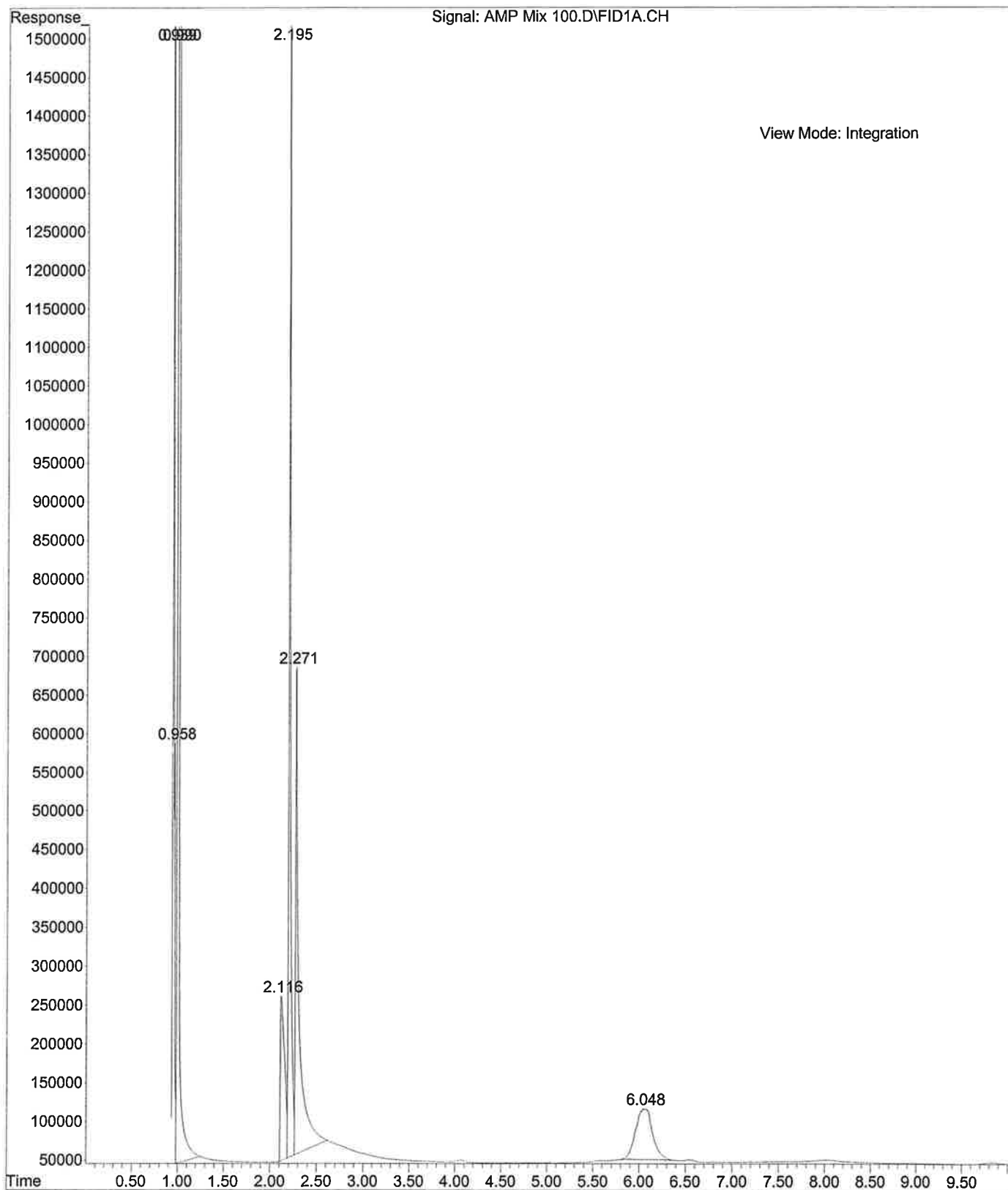


File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\10-
... 02-14 M 100.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 19:32 using AcqMethod ASGC100.M
Sample Name: Methanol Blank 10/2/14
Misc Info : Methanol 100-280c @70c/min for 10 min

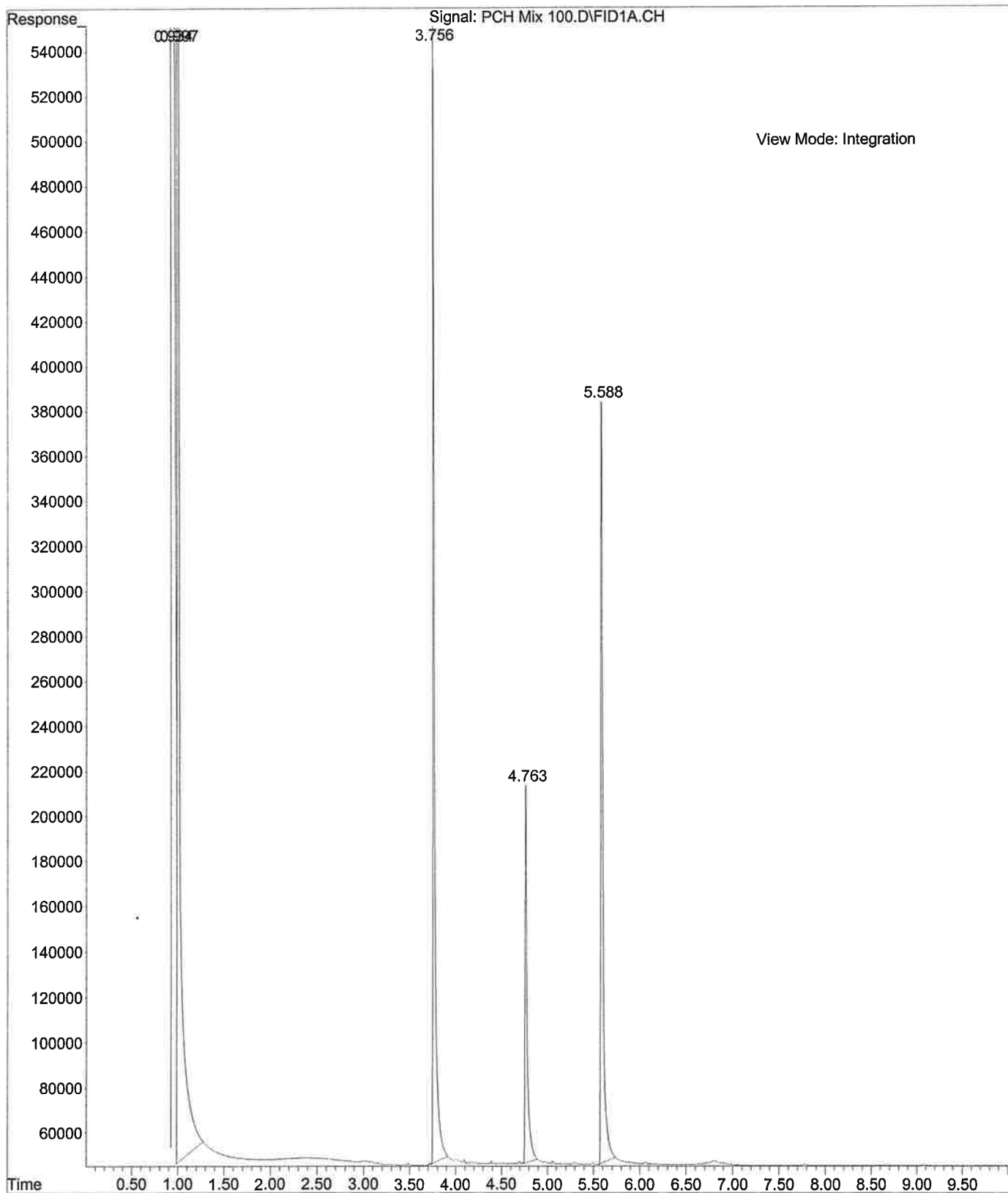
ASGC100



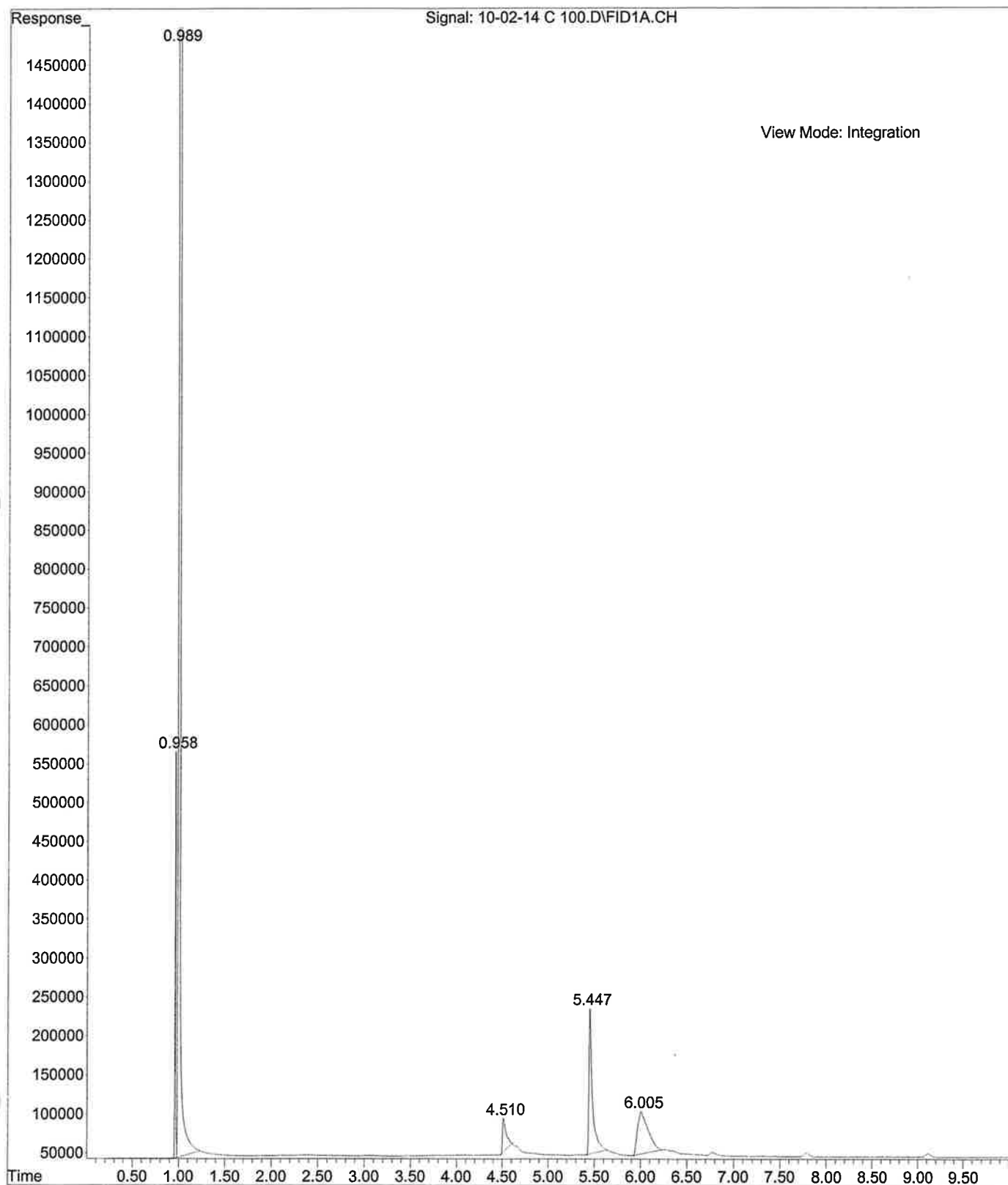
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\AMP
... Mix 100.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 19:18 using AcqMethod ASGC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min



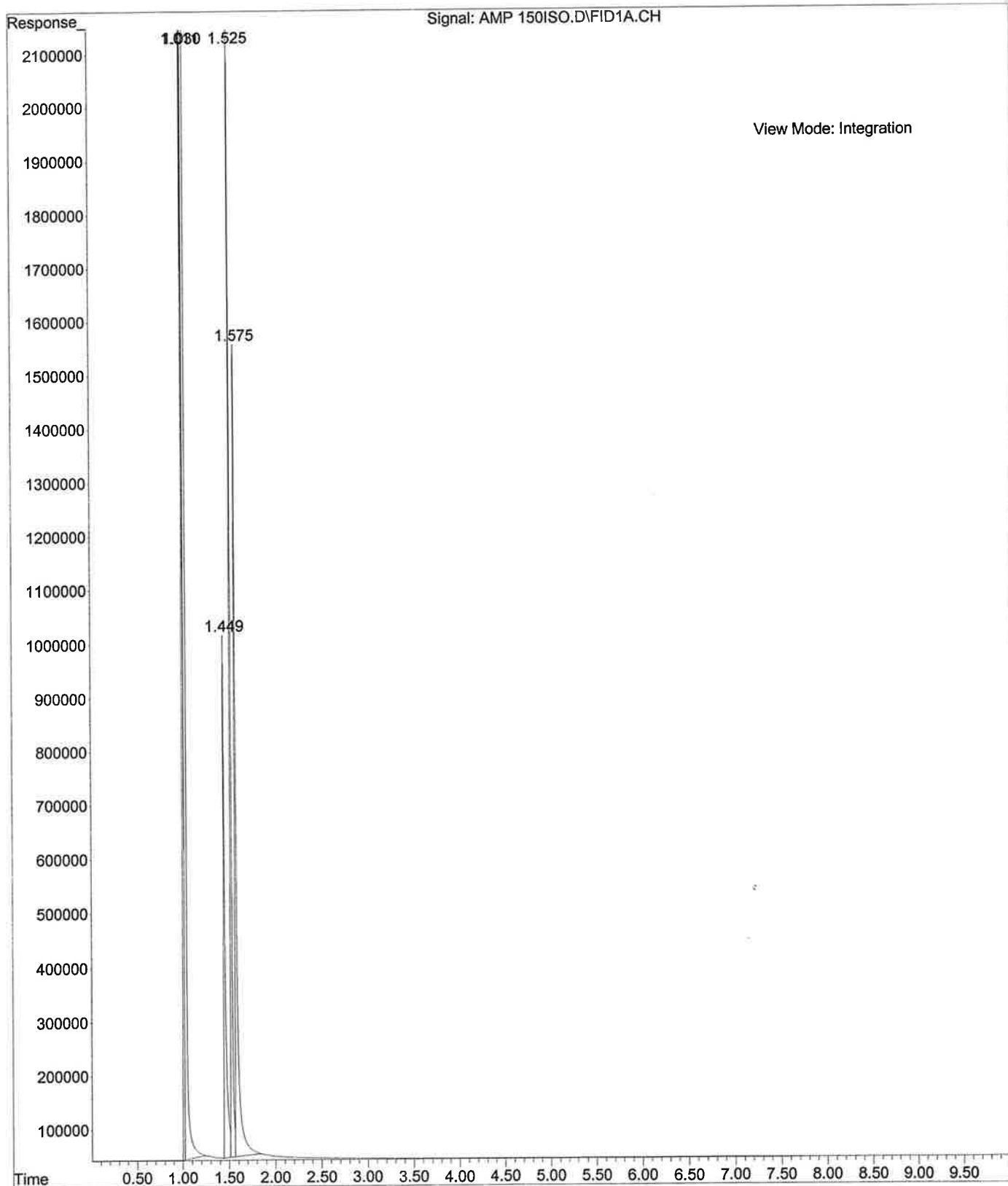
File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\PCH
... Mix 100.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 19:46 using AcqMethod ASGC100.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 10 min



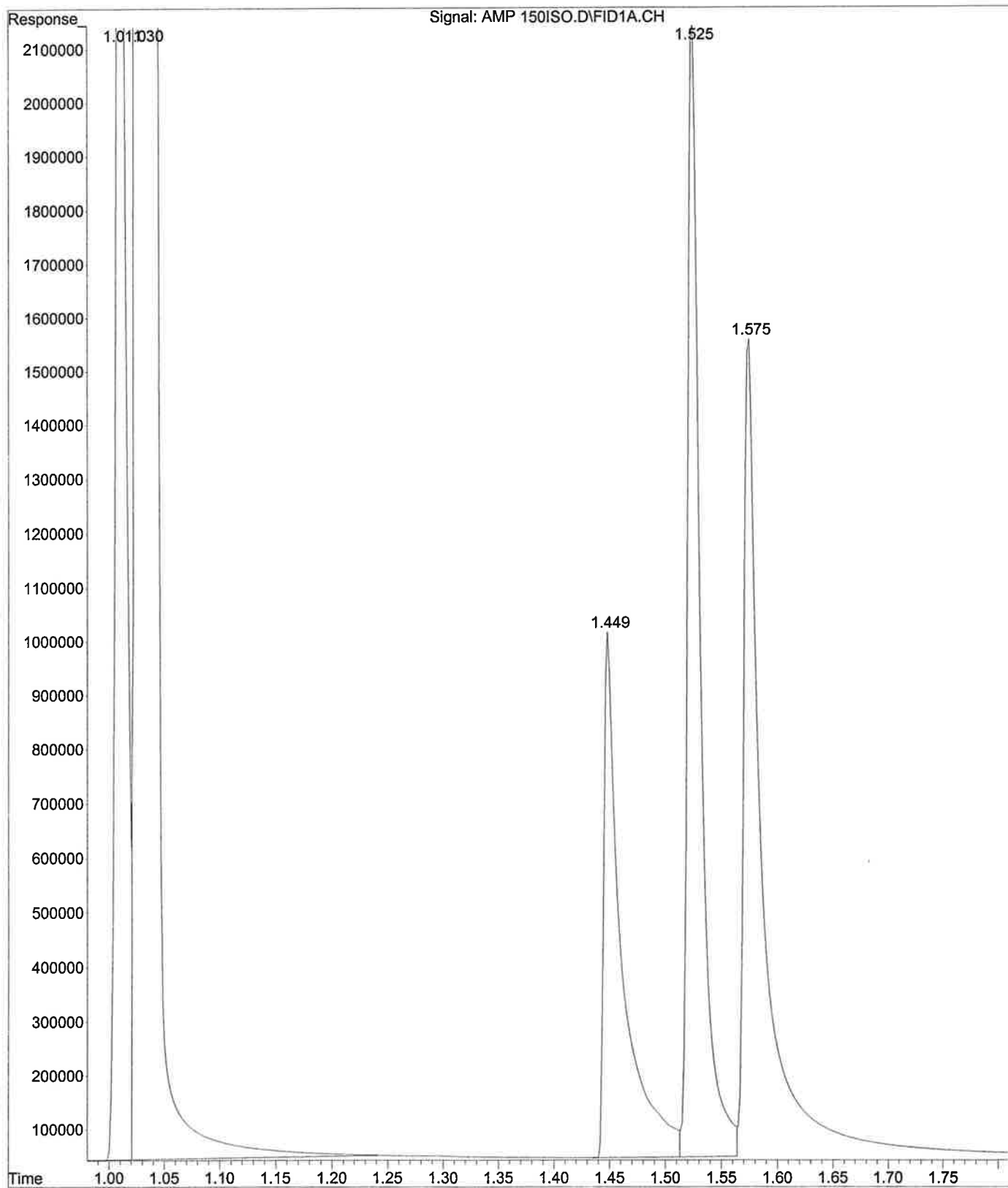
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\10-
... 02-14 C 100.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 19:04 using AcqMethod ASGC100.M
Sample Name: Chloroform Blank 10/2/14
Misc Info : Chloroform 100-280c @70c/min for 10 min



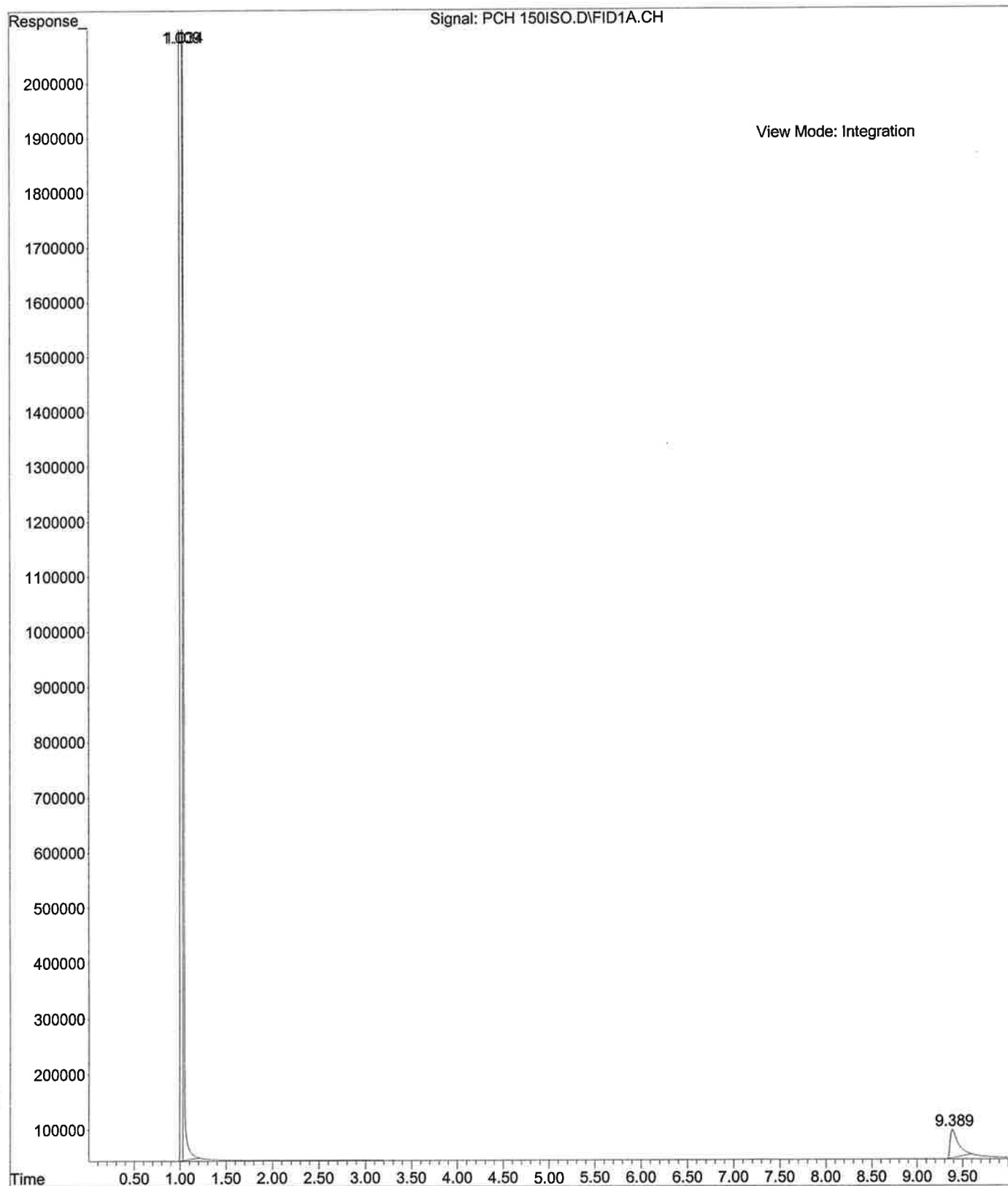
File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\AMP
... 150ISO.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 18:27 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min



File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\AMP
... 150ISO.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 18:27 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min

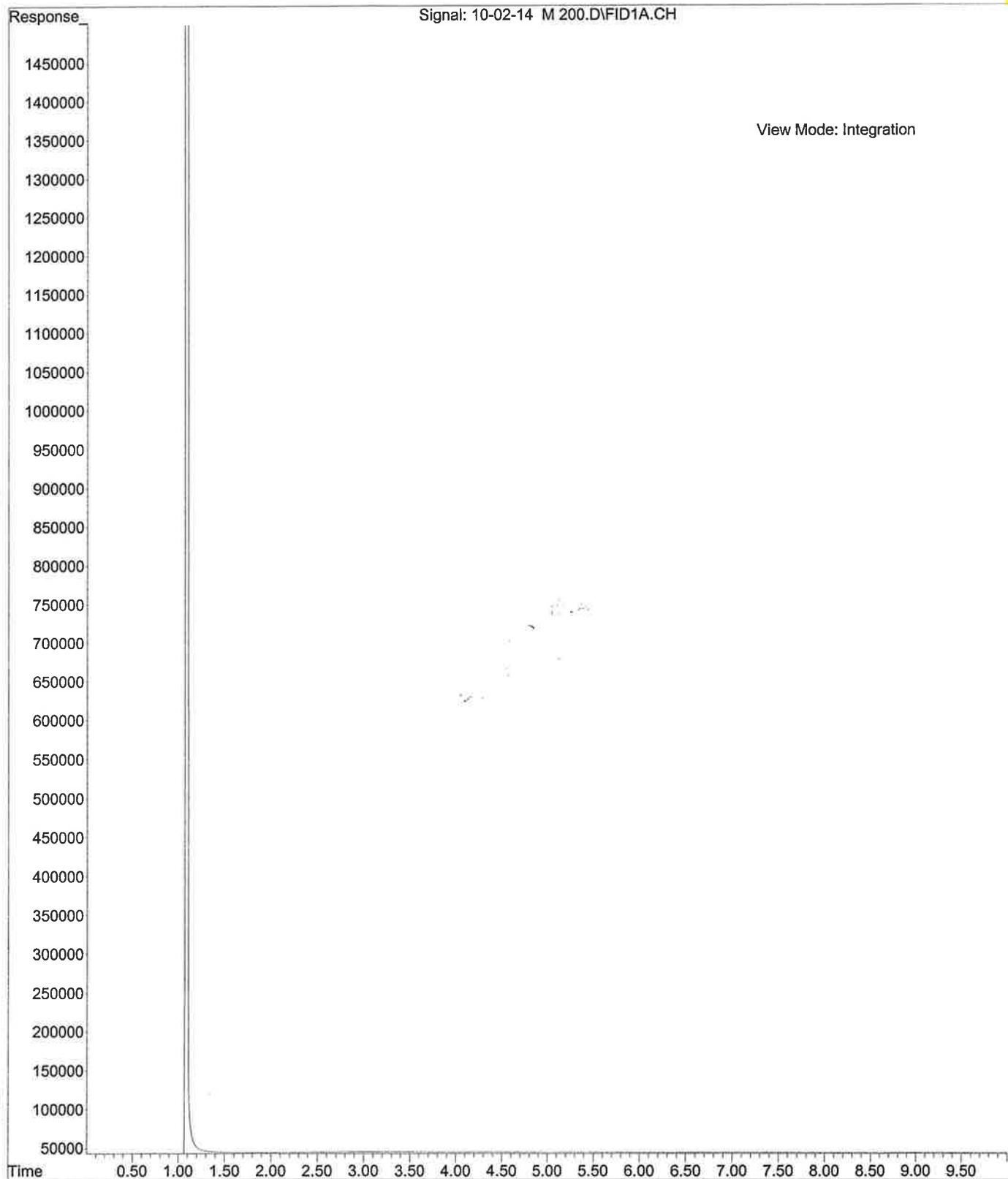


File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\PCH
... 150ISO.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 18:51 using AcqMethod ASGC150ISO.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 min

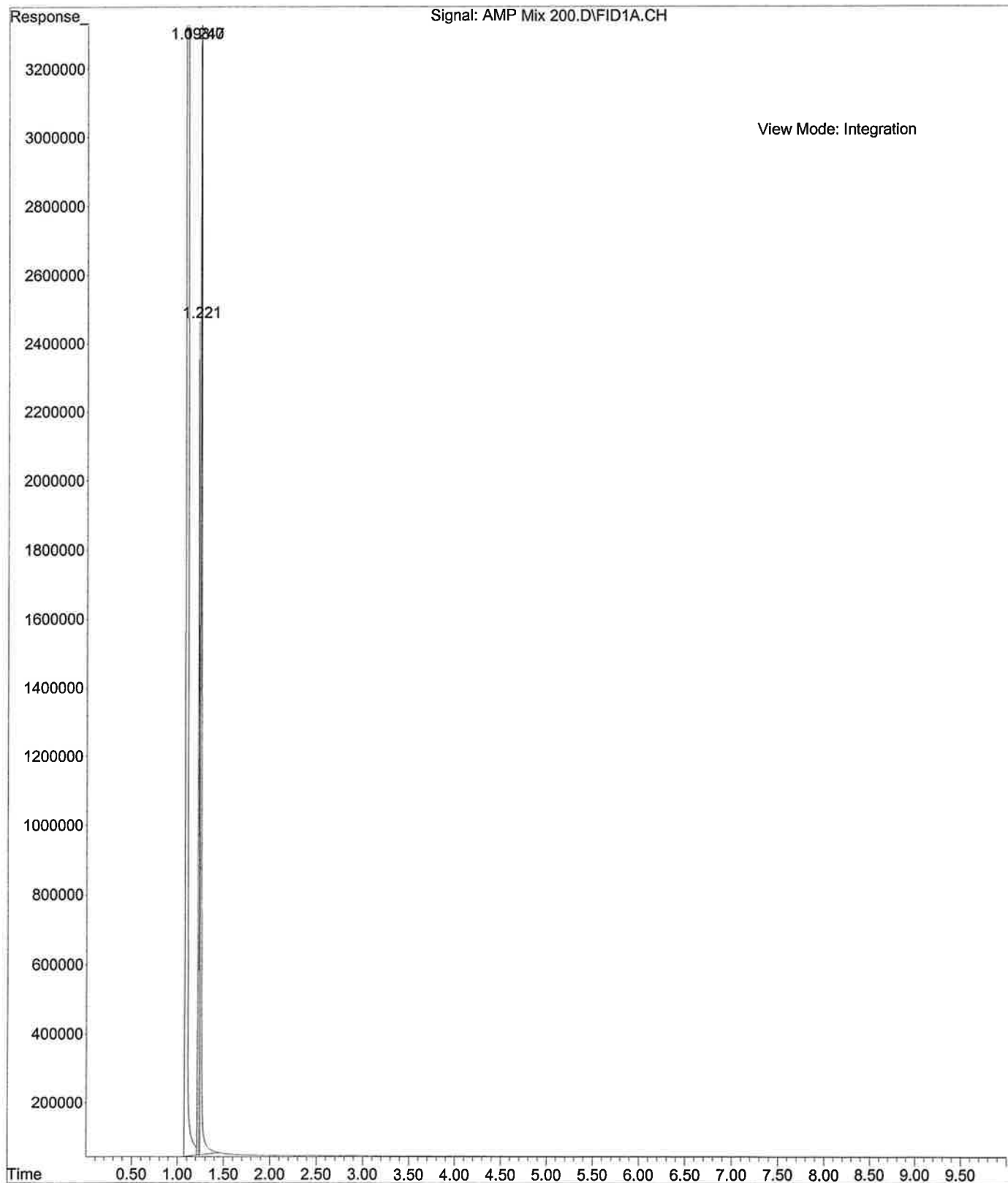


File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\10-
... 02-14 M 200.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 20:23 using AcqMethod ASGC200.M
Sample Name: Methanol Blank 10/2/14
Misc Info : Methanol 200-280c @70c/min for 10 min

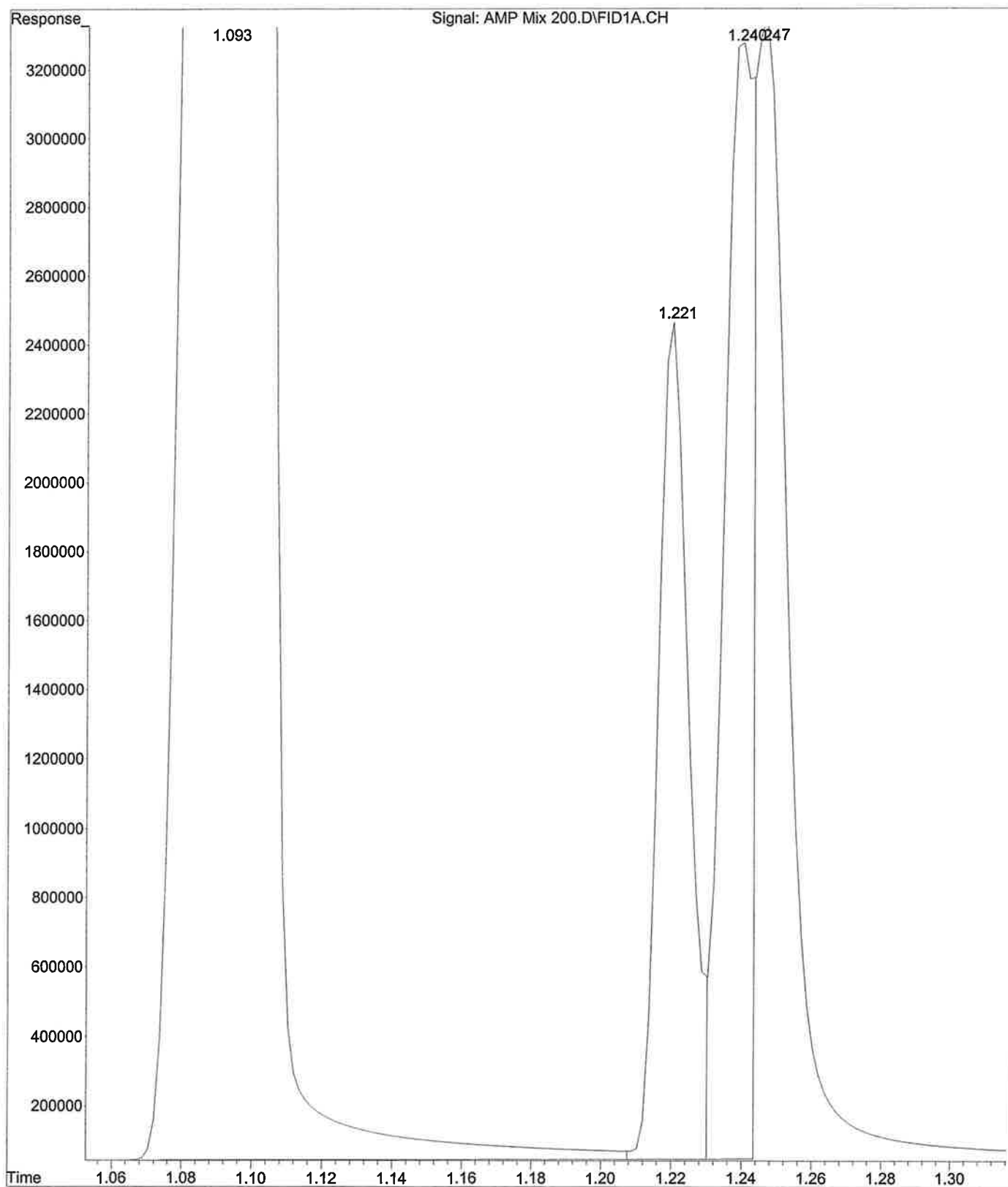
ASGC200



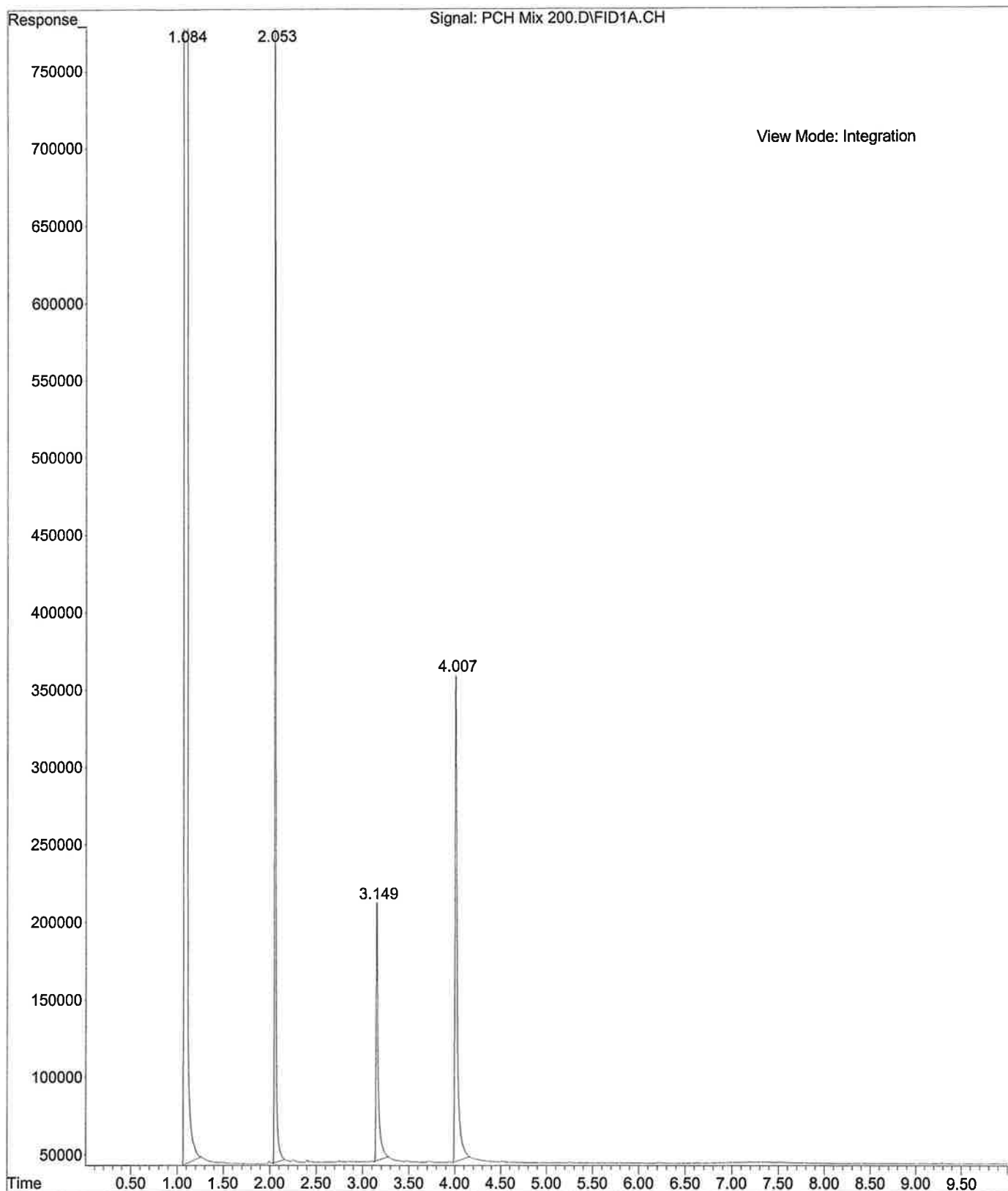
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\AMP
... Mix 200.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 20:10 using AcqMethod ASGC200.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c @70c/min for 10 min



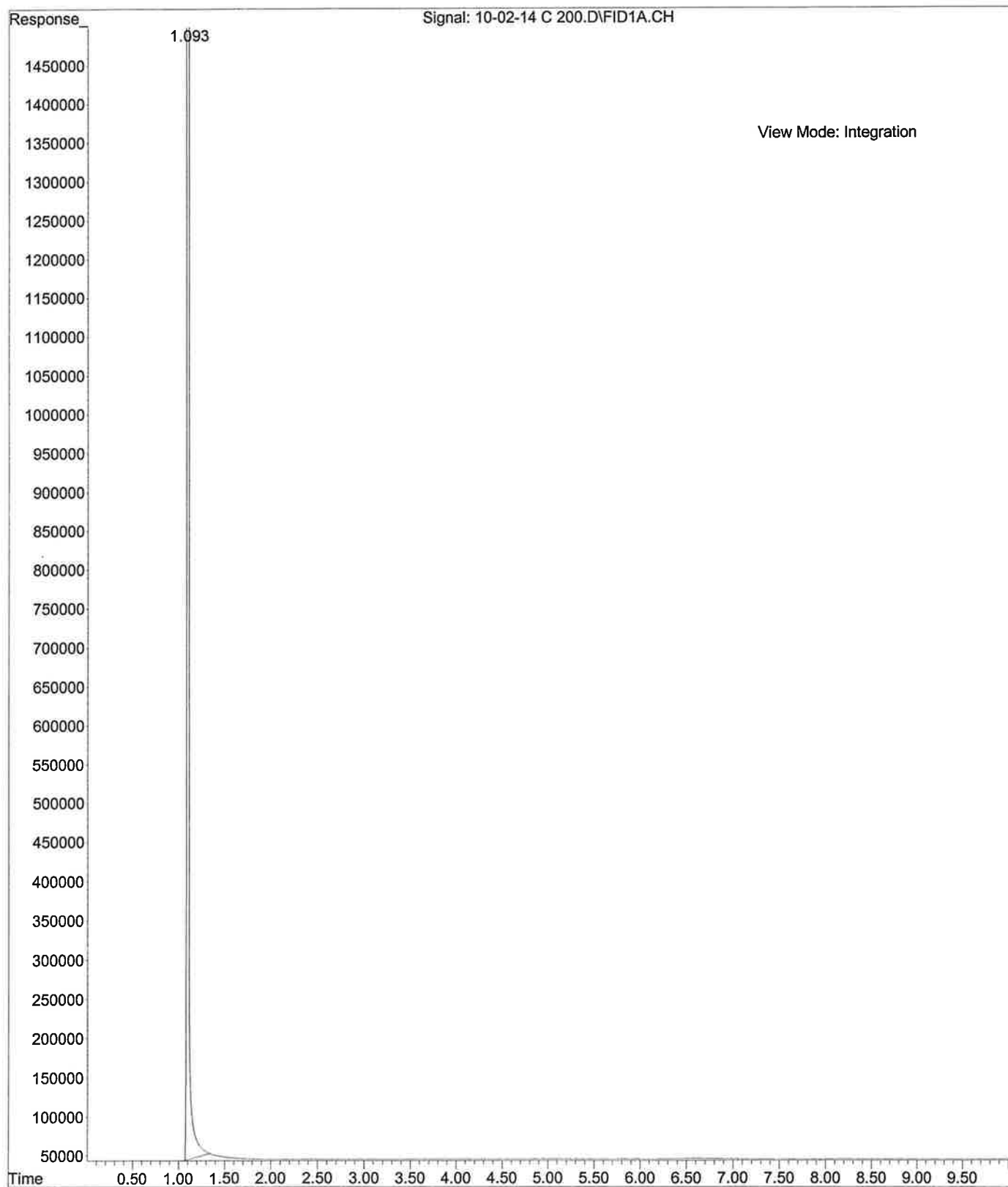
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\AMP
... Mix 200.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 20:10 using AcqMethod ASGC200.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c @70c/min for 10 min



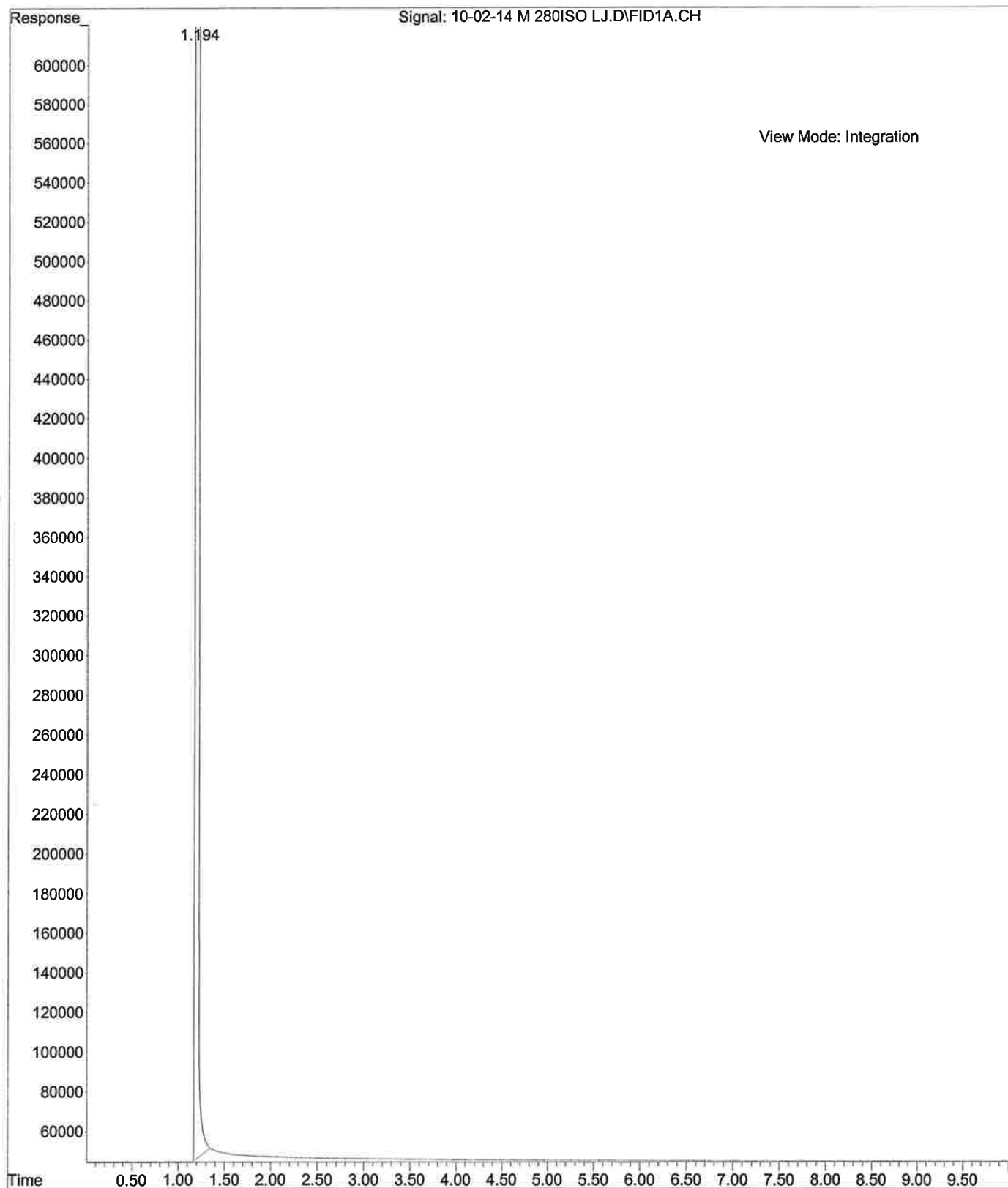
File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\PCH
... Mix 200.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 20:35 using AcqMethod ASGC200.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 min



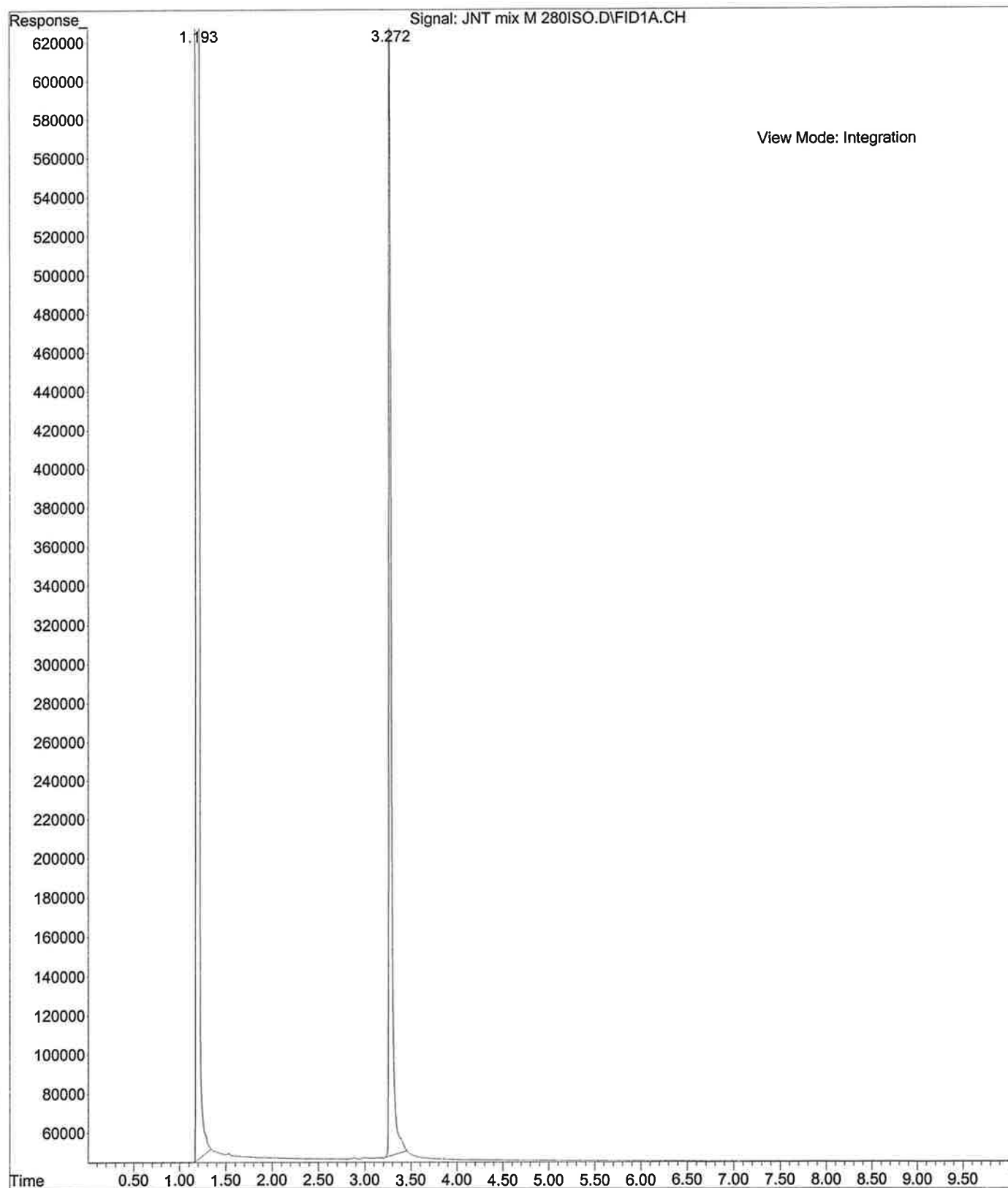
File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\10-
... 02-14 C 200.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 19:58 using AcqMethod ASGC200.M
Sample Name: Chloroform Blank 10/2/14
Misc Info : Chloroform 200-280c @70c/min for 10 min



File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\10-
... 02-14 M 280ISO LJ.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 17:50 using AcqMethod ASGC280ISO.M
Sample Name: Methanol Blank 10/2/14
Misc Info : Methanol 280c for 10 min

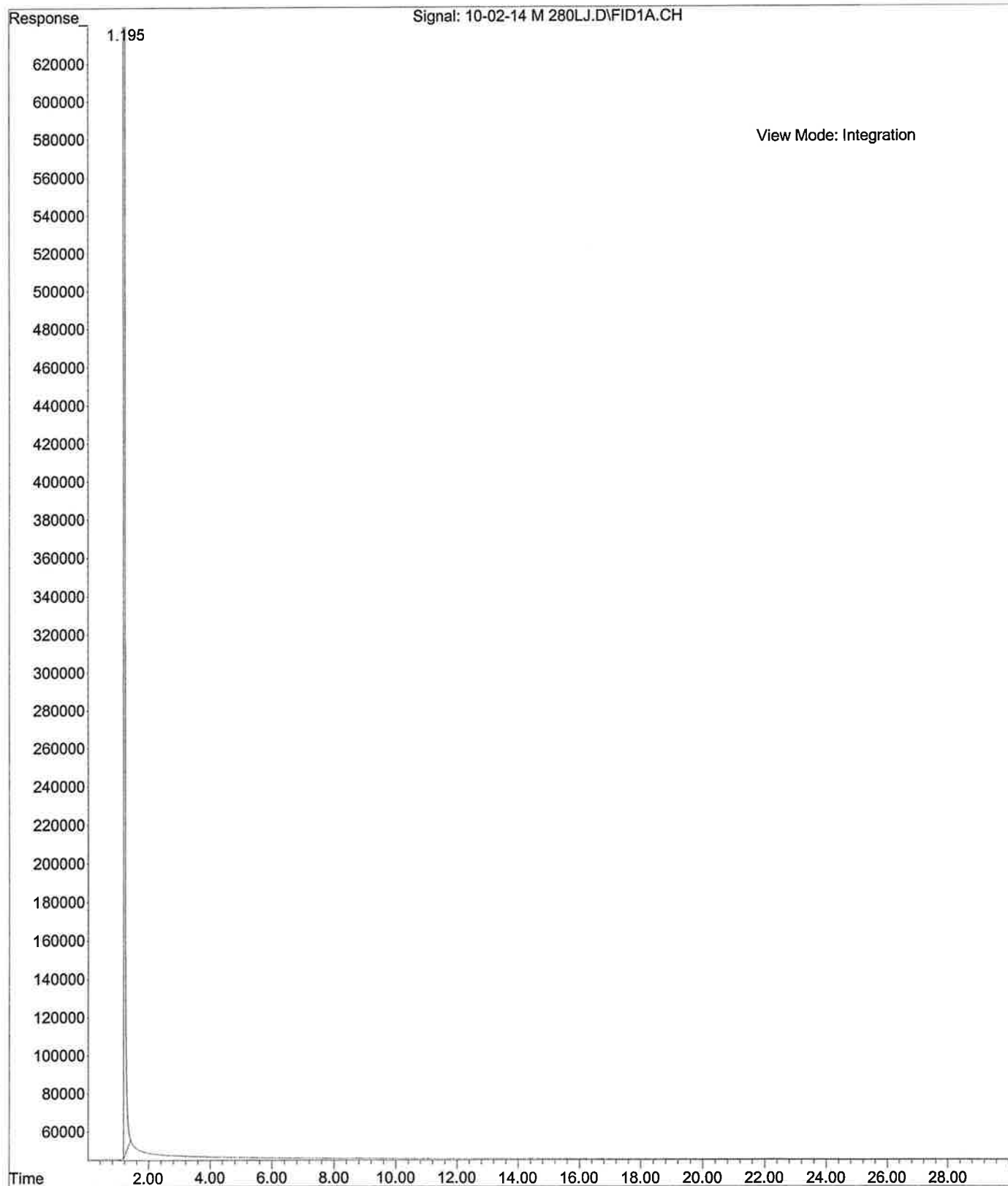


File : C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\JNT
... mix M 280ISO.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 18:02 using AcqMethod ASGC280ISO.M
Sample Name: JWH 081, Testosterone, Nandrolone
Misc Info : Methanol 280c for 10 min

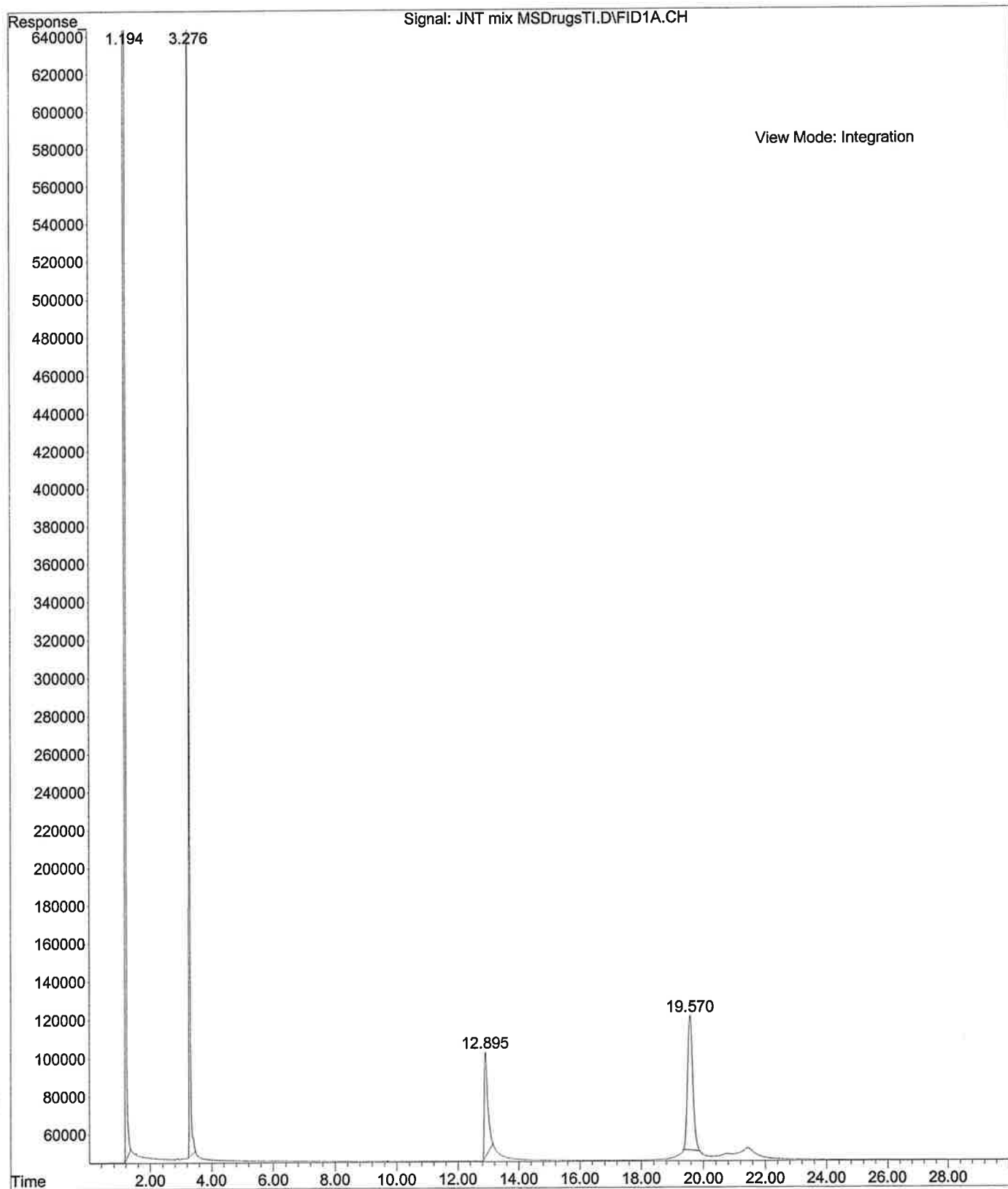


File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\10-
... 02-14 M 280LJ.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 16:46 using AcqMethod ASGC280ISOTI.M
Sample Name: Methanol Blank 10/2/14
Misc Info : Methanol 280c for 30 min

ASGC280ISOTI



File :C:\msdchem\1\DATA\LJ\Nashville 2014\Oct\Validation\GC AS\JNT
... mix MSDrugsTI.D
Operator : Nashville Lab
Instrument : HP G1530A
Acquired : 02 Oct 2014 17:18 using AcqMethod ASGC280ISOTI.M
Sample Name: JWH 081, Testosterone, Nandrolone
Misc Info : Methanol 280c for 30 min



JAVA

JAVA Summary: GCMS comparisons

	Methods				
<u>Compounds</u>	MSDRUGS60	MS100TR	MS200TR	MSDRUGSTI	MS280ISO
Amphetamine	+	+	-	+	/
Phentermine	+	+	-	+	/
Methamphetamine	+	+	-	+	/
Pethidine	+	+	+	+	/
Cocaine	+	+	+	+	/
Hydrocodone	+	+	+	+	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

	Methods				
<u>Compounds</u>	ASMSDRUGS60	ASMS100TR	ASMS200TR	ASMSDRUGSTI	ASMS280ISO
Amphetamine	+	+	-	+	/
Phentermine	+	+	-	+	/
Methamphetamine	+	+	-	+	/
Pethidine	+	+	+	+	/
Cocaine	+	+	+	+	/
Hydrocodone	+	+	+	+	/
Testosterone	/	/	/	+	+
JWH 081	/	/	/	+	+
Nandrolone Undecanoate	/	/	/	+	+

/ = Compounds not run on method

+ = Compounds present

- = Compounds absent

JAVA Summary: GC Retention times

<u>Compounds</u>	<u>Methods</u>				
	GC100	GC200	GC150ISO	GC280ISO	GC280ISOTI
Amphetamine	1.652	*	1.057	-	-
Phentermine	1.782	*	1.115	-	-
Methamphetamine	1.857	*	1.148	-	-
Pethidine	3.305	1.593	*	-	-
Cocaine	4.140	2.492	*	-	-
Hydrocodone	4.678	3.065	*	-	-
Testosterone	-	-	-	*	-
JWH 081	-	-	-	*	2.157
Nandrolone Undecanoate	-	-	-	*	7.043
				*	11.462

<u>Compounds</u>	<u>Methods</u>				
	ASGC100	ASGC200	ASGC150ISO	ASGC280ISO	ASGC280ISOTI
Amphetamine	1.664	*	1.067	-	-
Phentermine	1.790	*	1.125	-	-
Methamphetamine	1.864	*	1.158	-	-
Pethidine	3.300	1.621	*	-	-
Cocaine	4.121	2.503	*	-	-
Hydrocodone	4.654	3.072	*	-	-
Testosterone	-	-	-	*	-
JWH 081	-	-	-	*	2.188
Nandrolone Undecanoate	-	-	-	*	7.082
				*	11.512

- = Compounds not run on method

*= GC chromatographs had 2 prominent peaks or less (unable to attribute identification to suspected compound peaks)

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 C MSDRUGS60.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

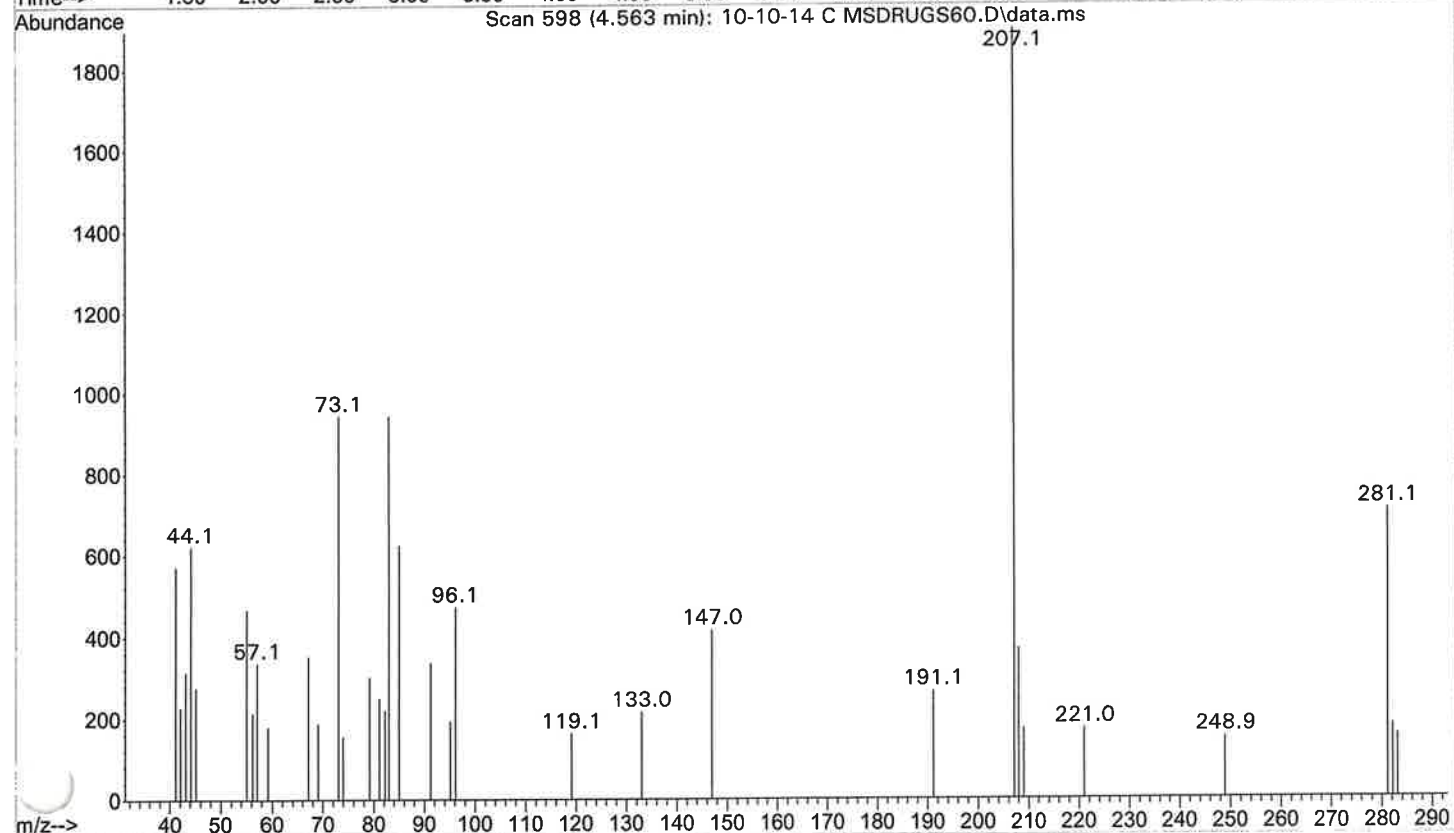
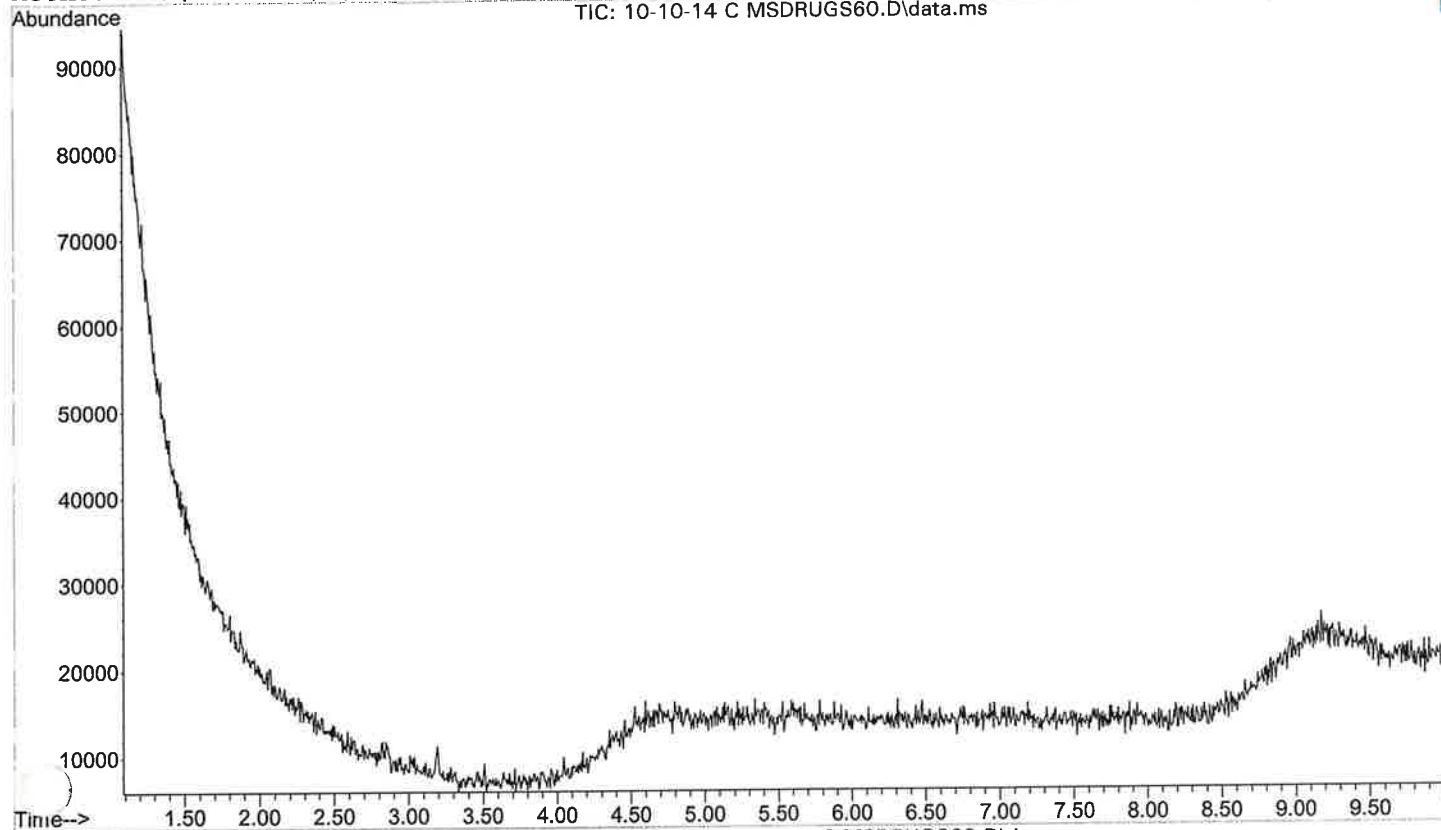
Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 11:20

Information: Chloroform Blank Misc. Information: Chloroform 60-280c @70c/min for 10 min

Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M

TIC: 10-10-14 C MSDRUGS60.D\data.ms



Column: a 12.5 m J&W 19091S-602 Initial pressure: 6.39 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

MSDRUGS60

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX MSDRUGS60.D

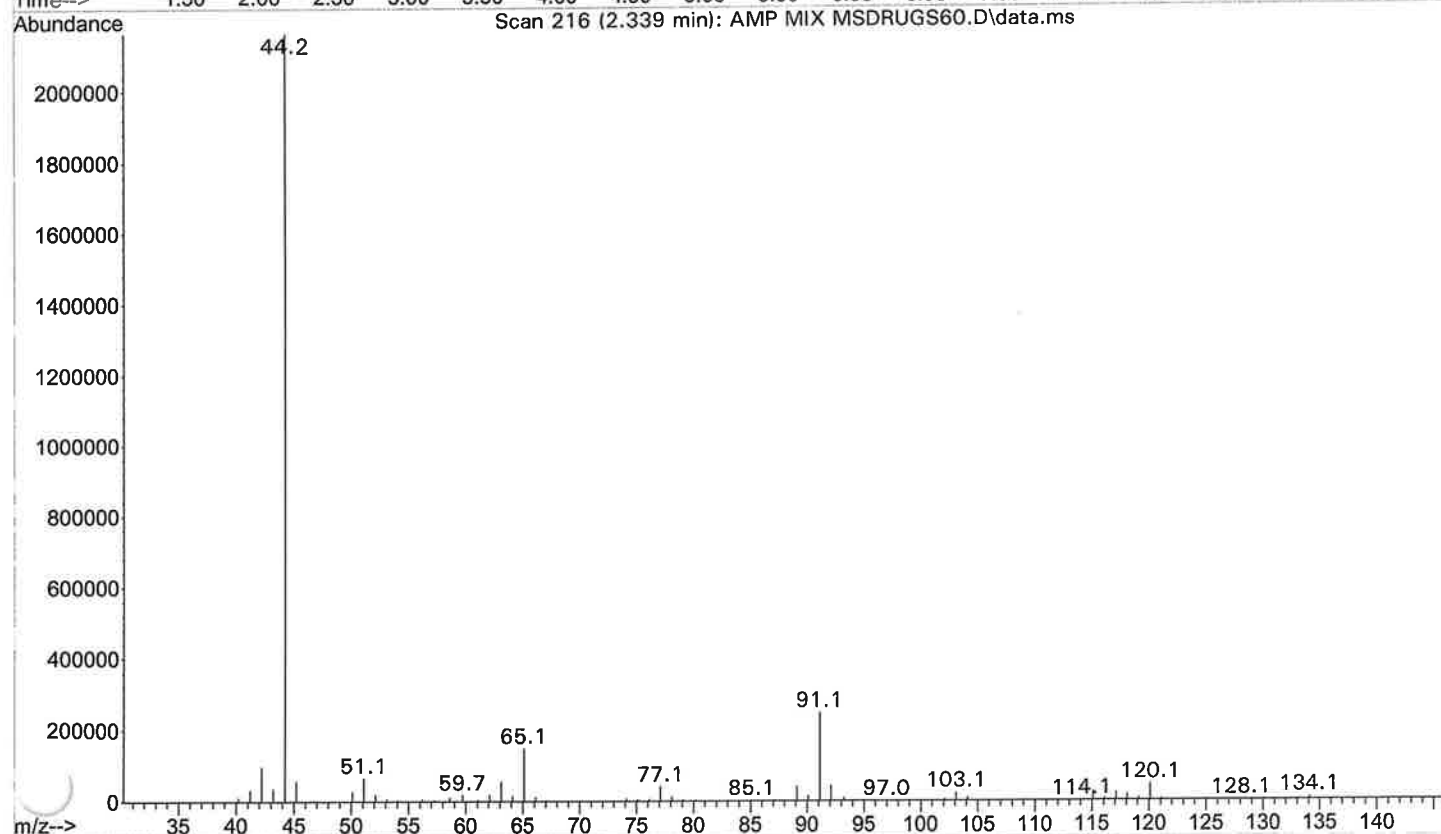
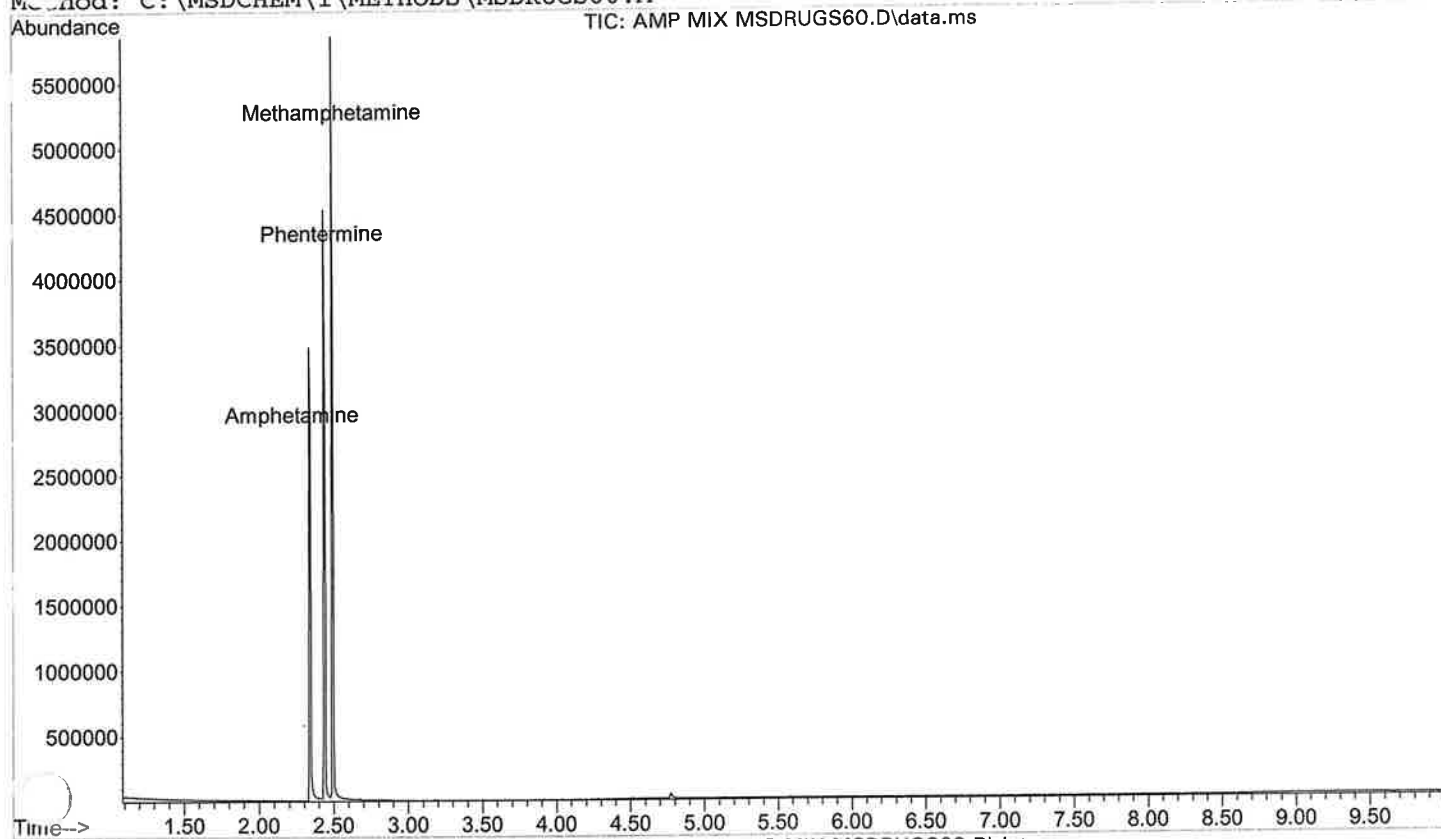
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 11:39

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 60-280c @7

Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 6.39 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX MSDRUGS60.D

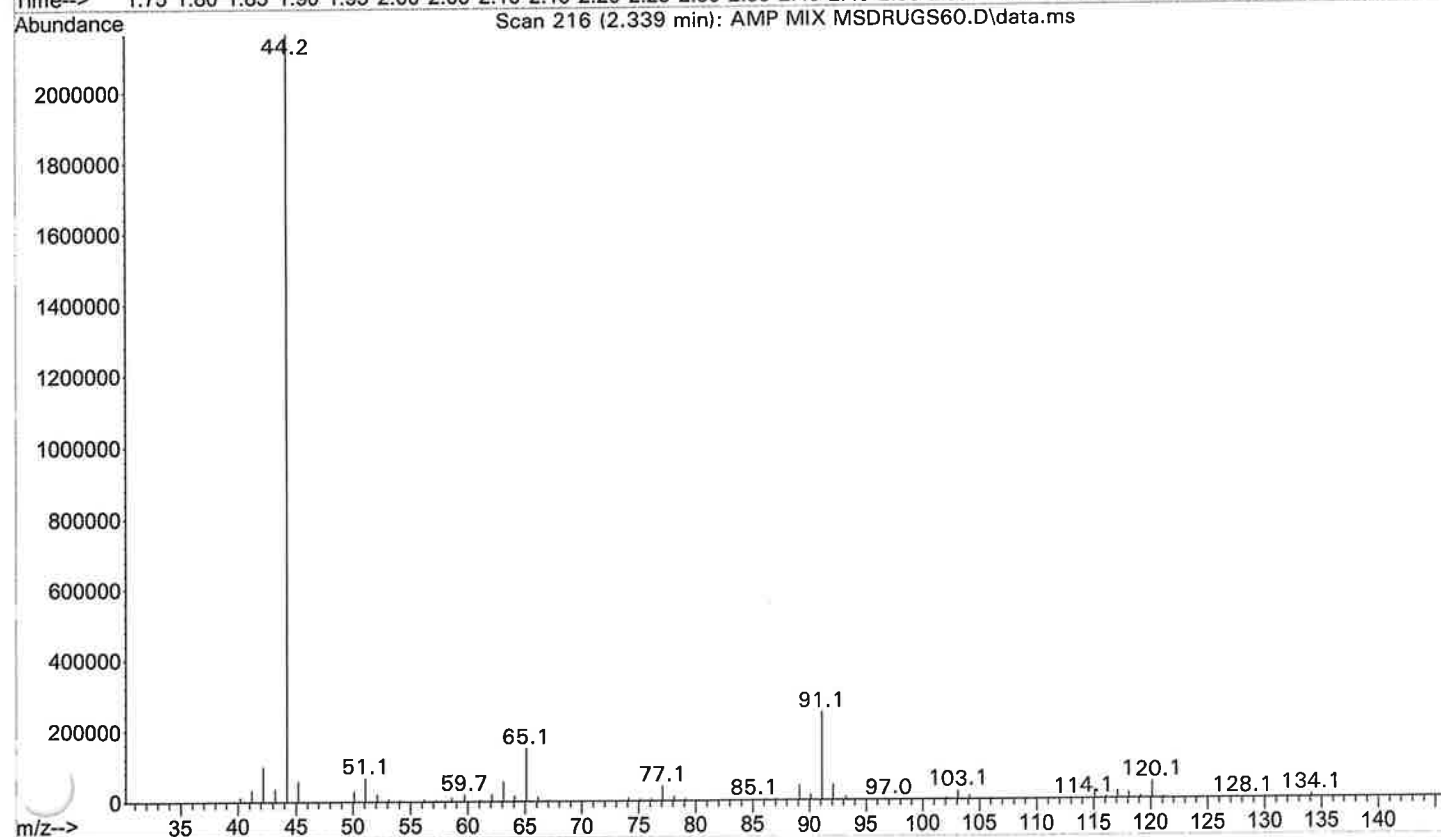
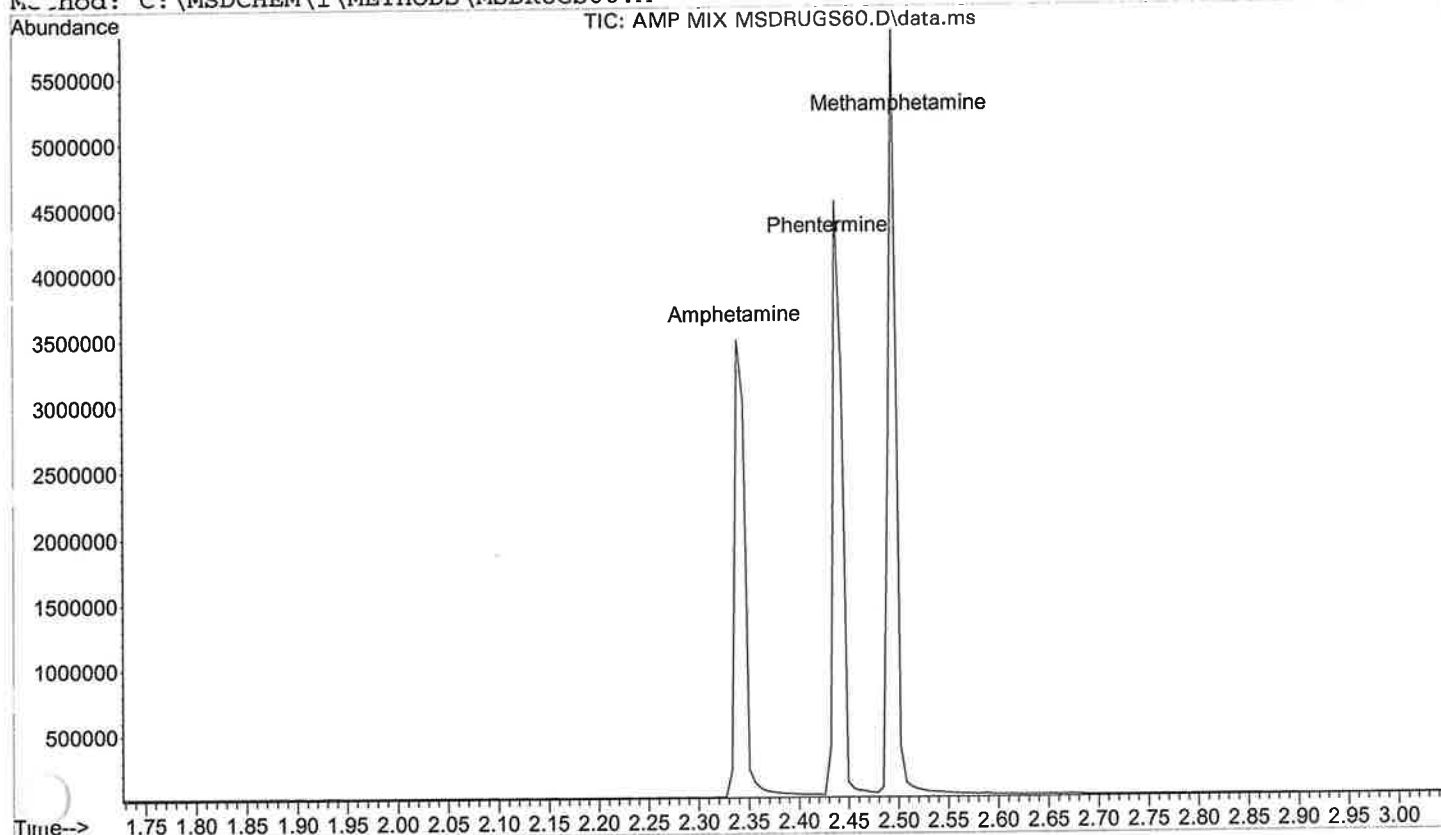
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 11:39

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 60-280c @7

Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 6.39 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\PCH MIX MSDRUGS61.D

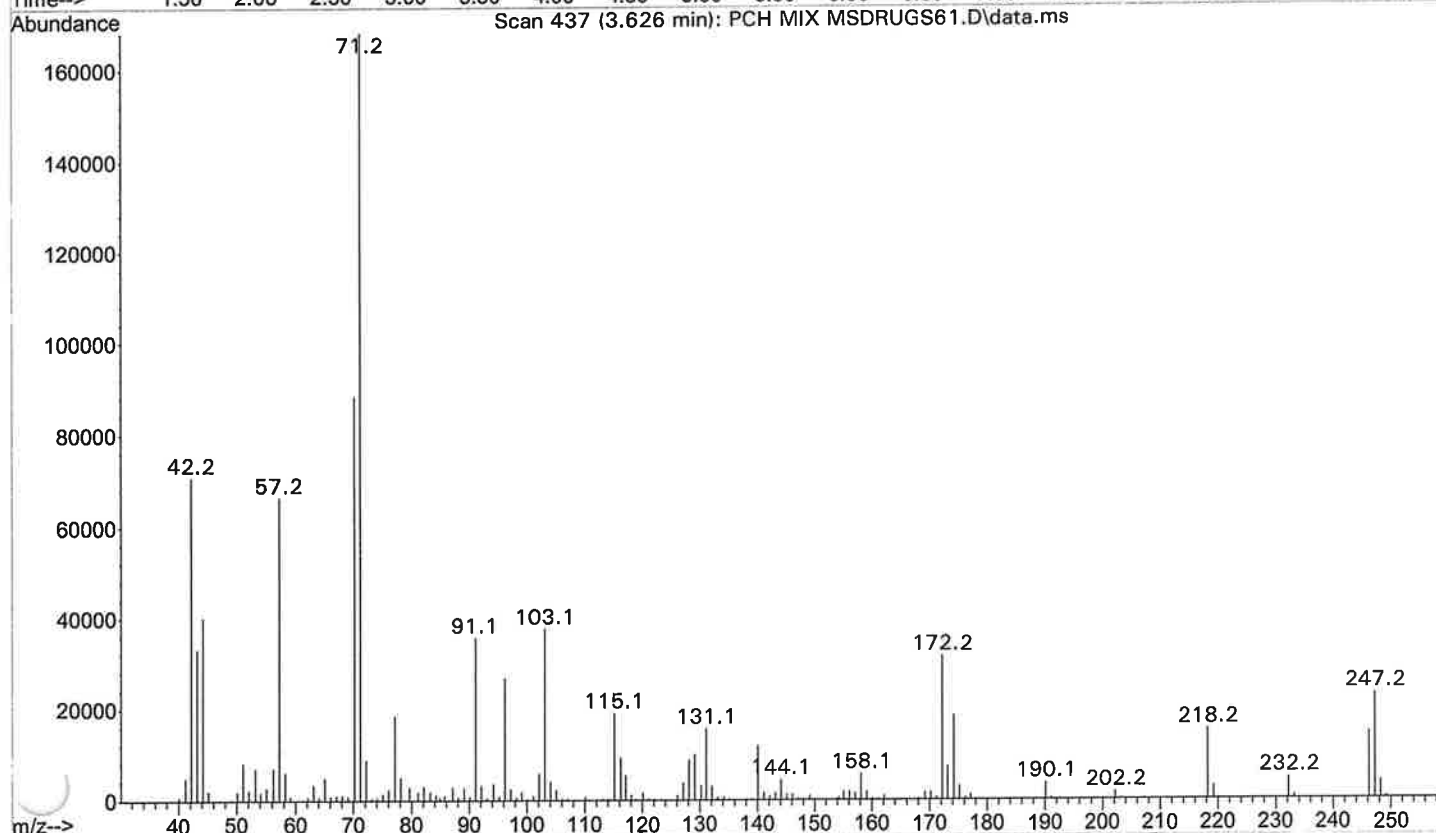
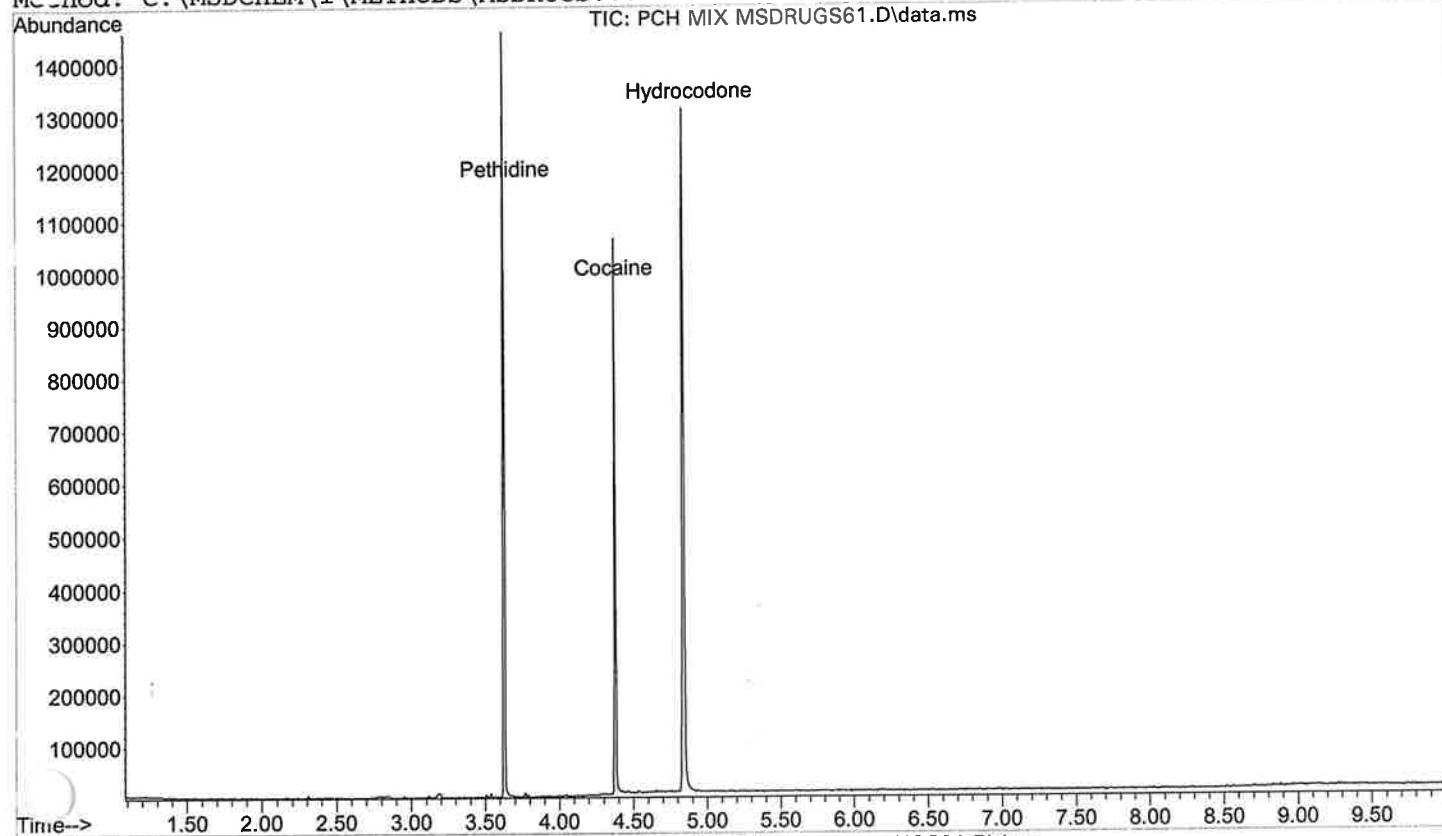
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 12:20

Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 60-280c @70c/min for

Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 6.39 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 M MSDRUGS60.D

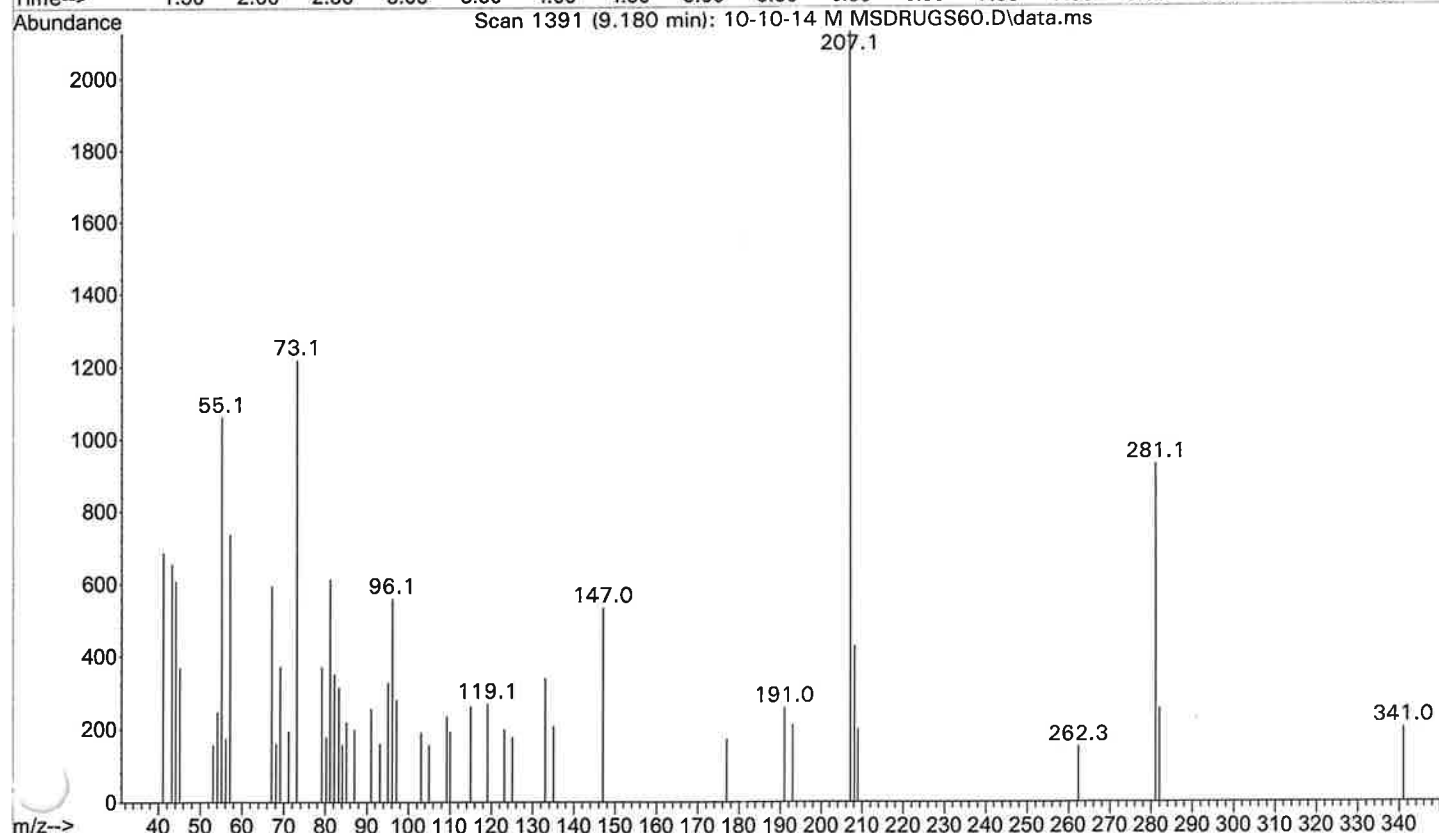
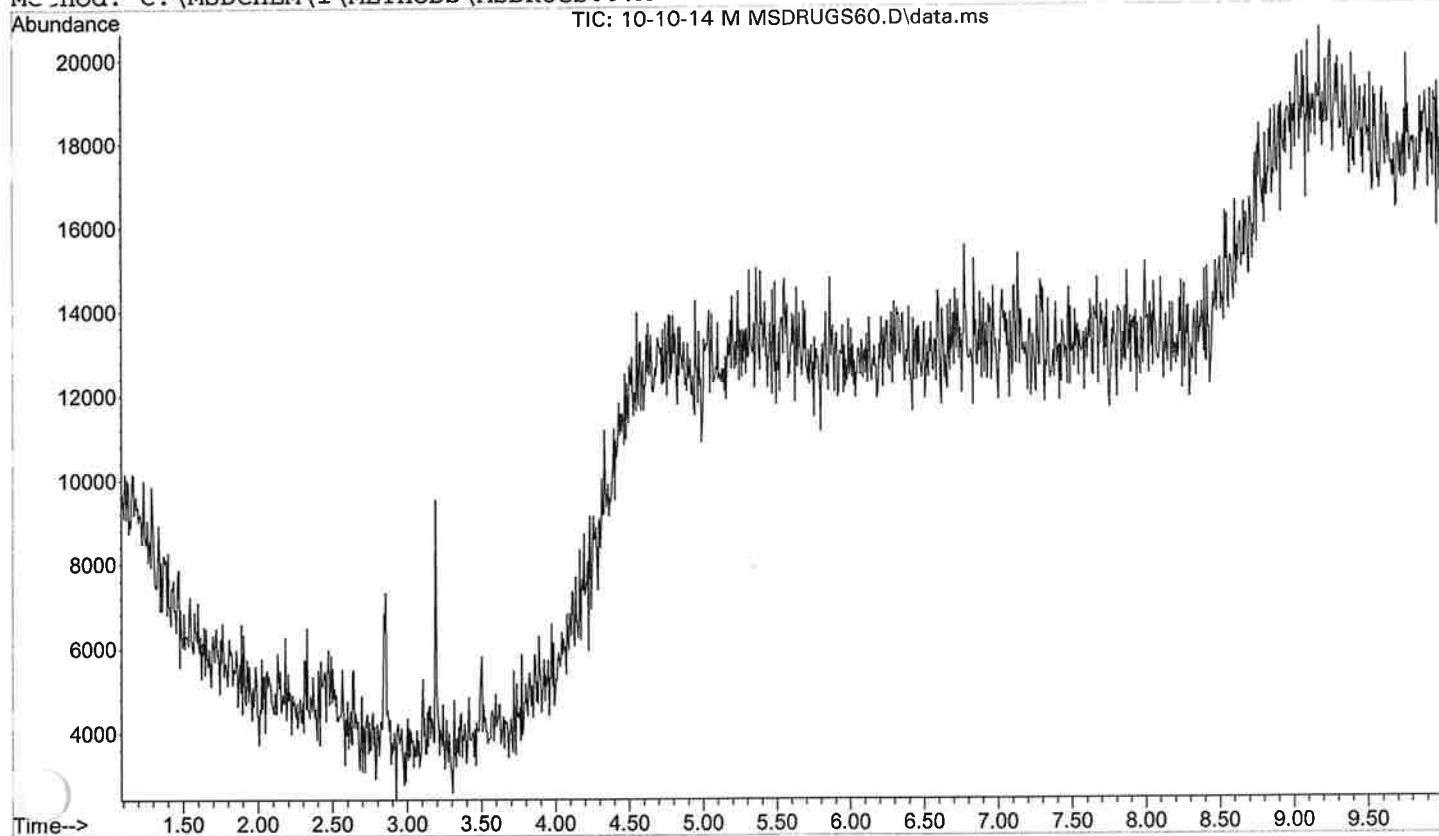
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 11:54

Information: Methanol Blank Misc. Information: Methanol 60-280c @70c/min for 10 min

Method: C:\MSDCHEM\1\METHODS\MSDRUGS60.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 6.39 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 M MS100TR.D

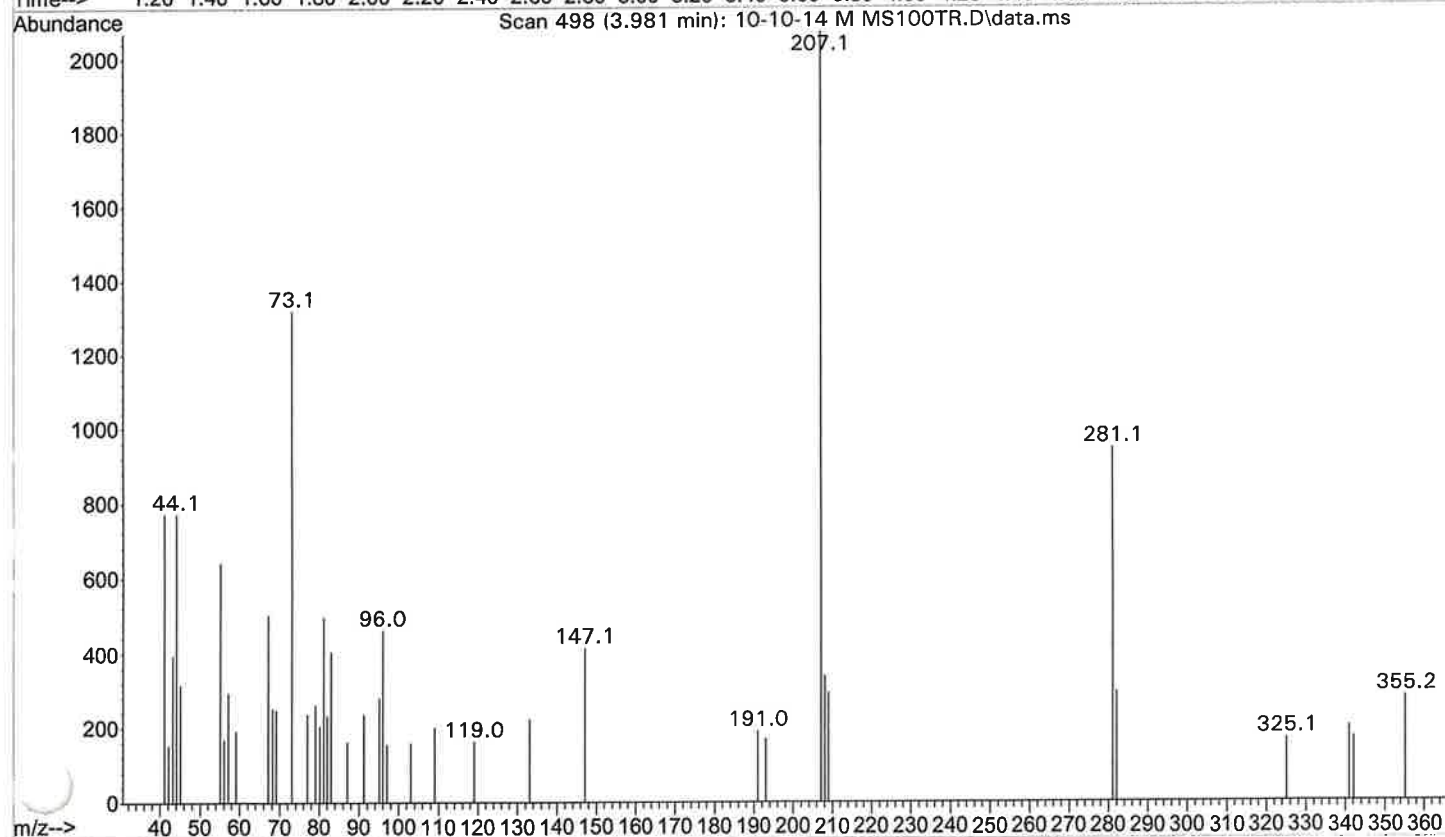
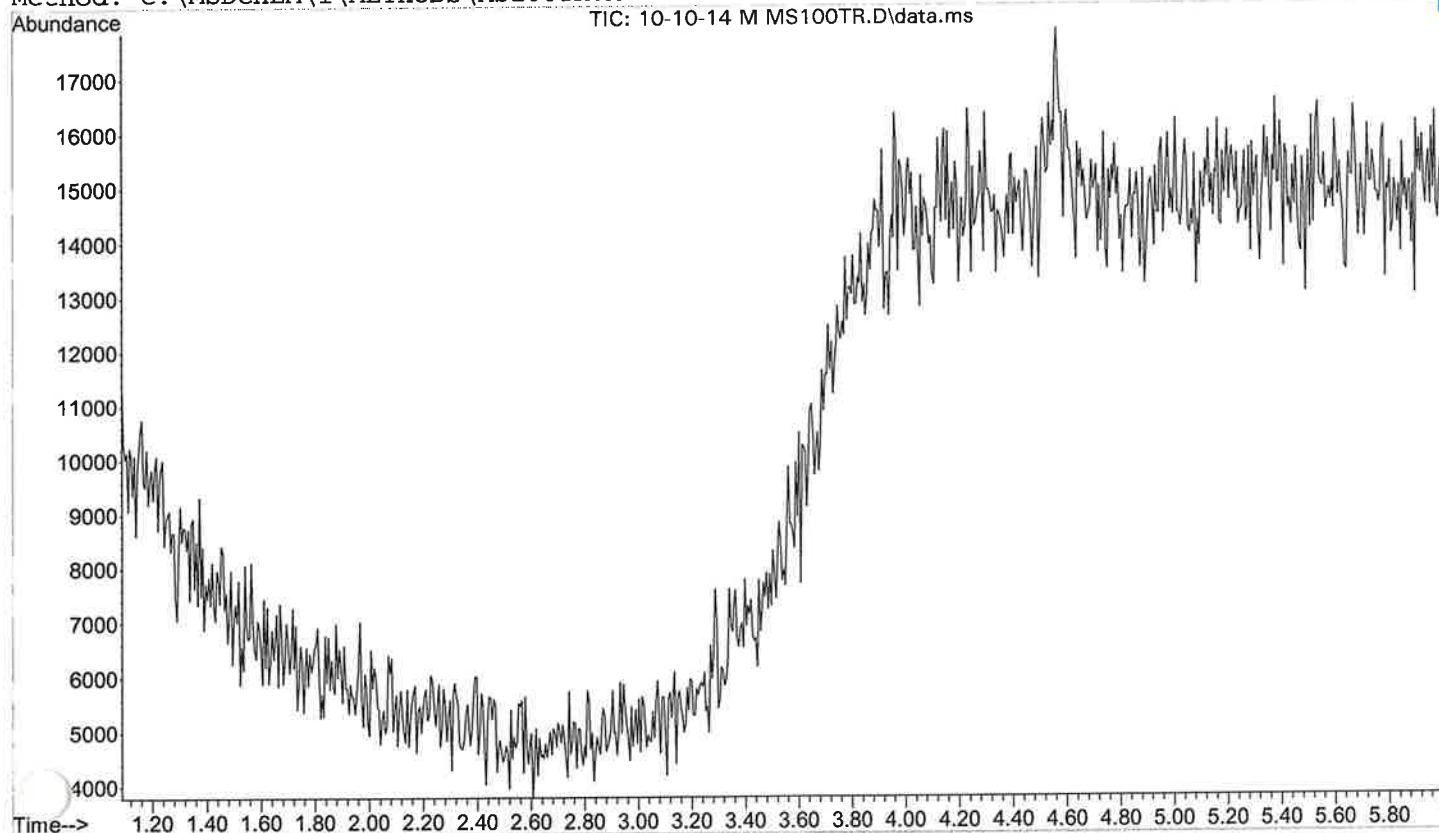
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 10:38

Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 6 min

Method: C:\MSDCHEM\1\METHODS\MS100TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

MS100TR

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIC MS100TR.D

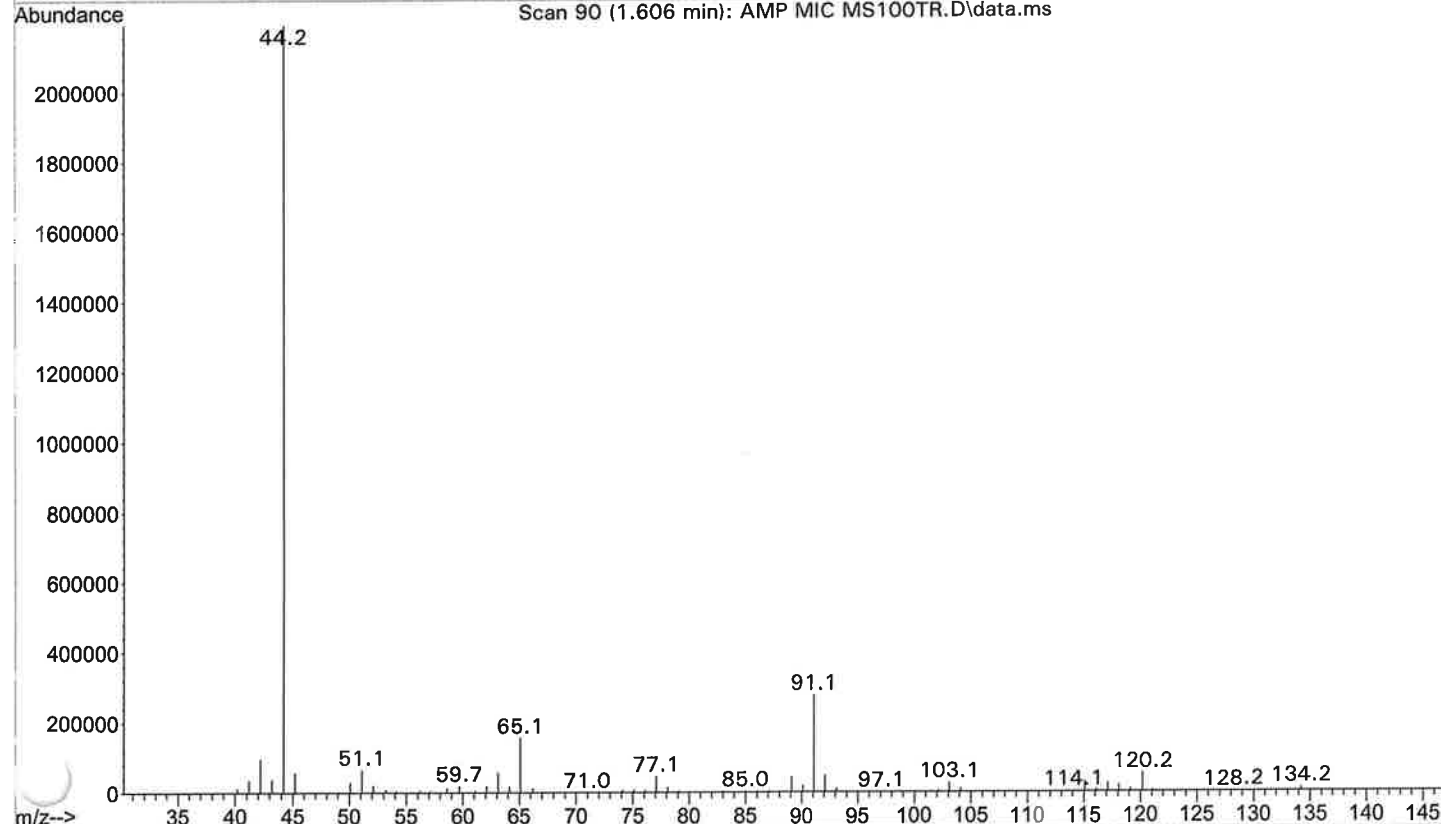
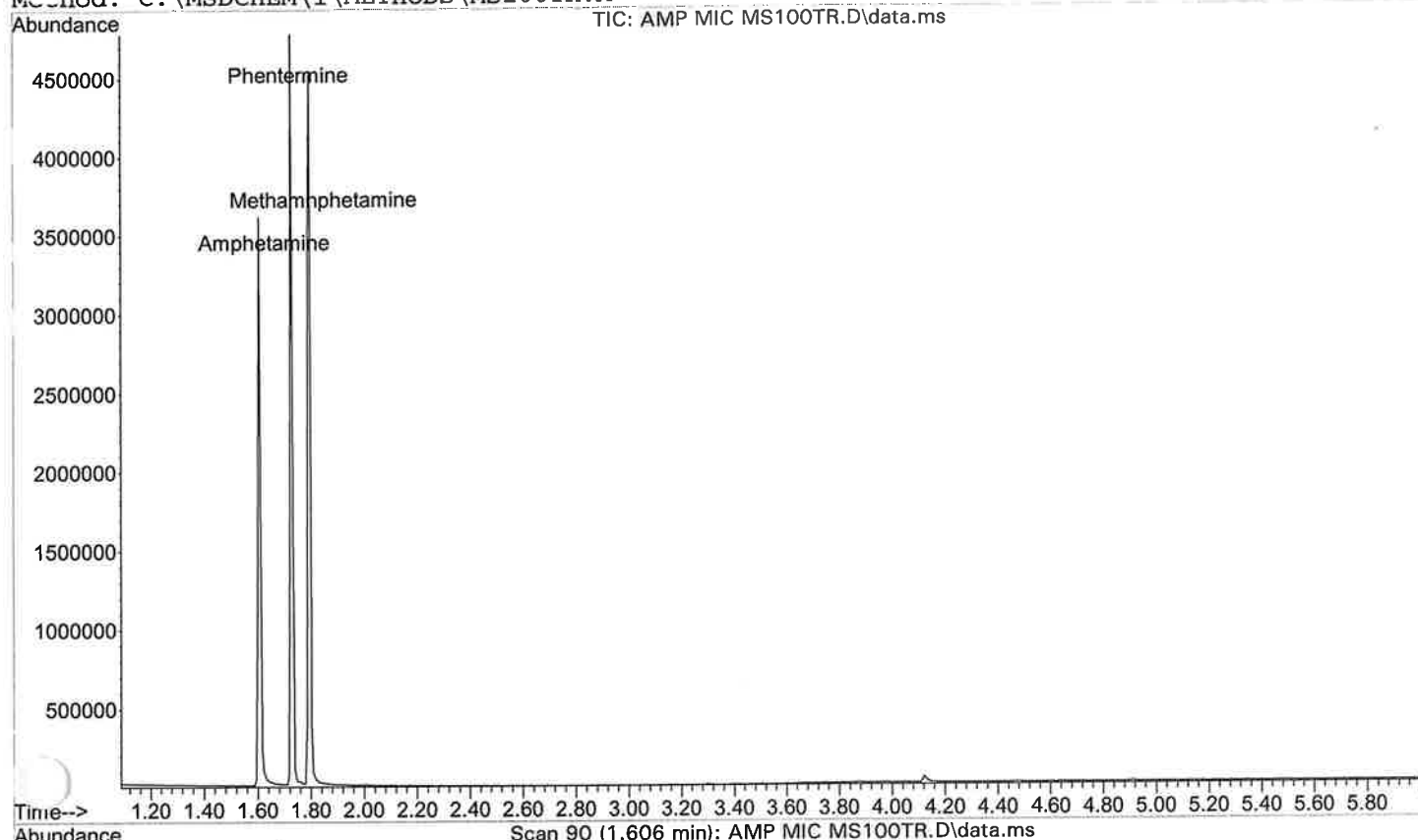
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 10:28

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\MS100TR.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIC MS100TR.D

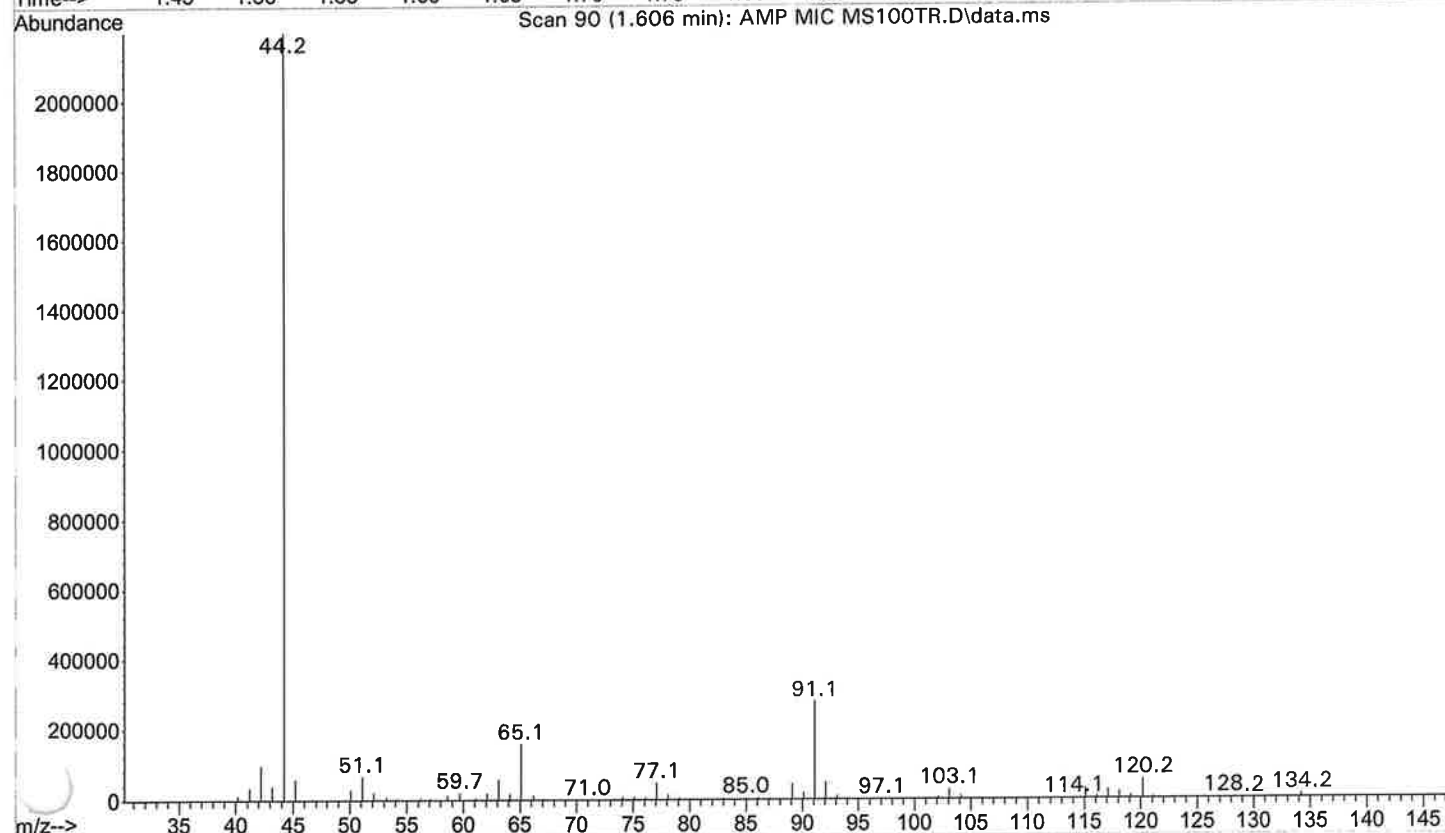
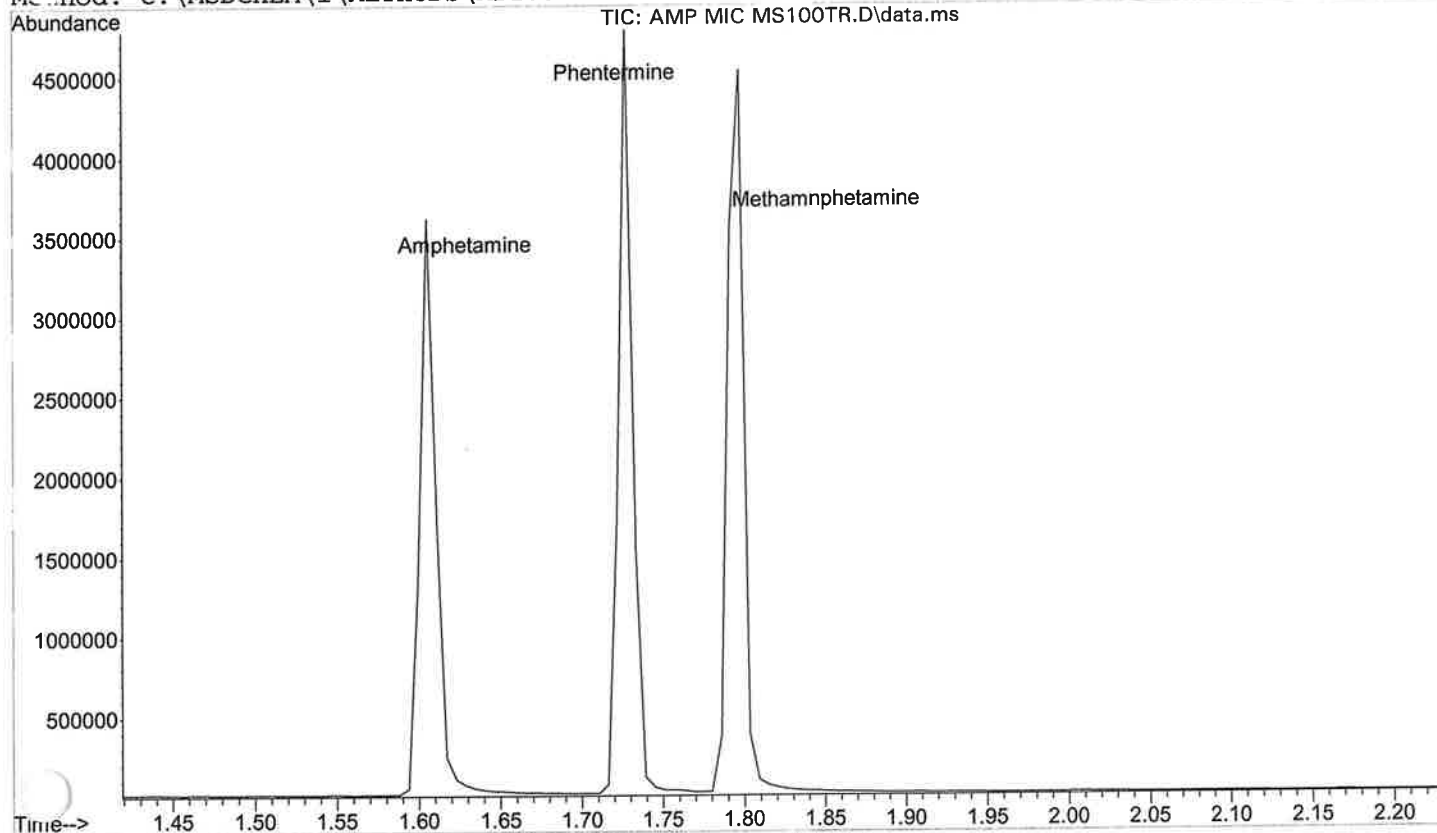
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 10:28

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\MS100TR.M



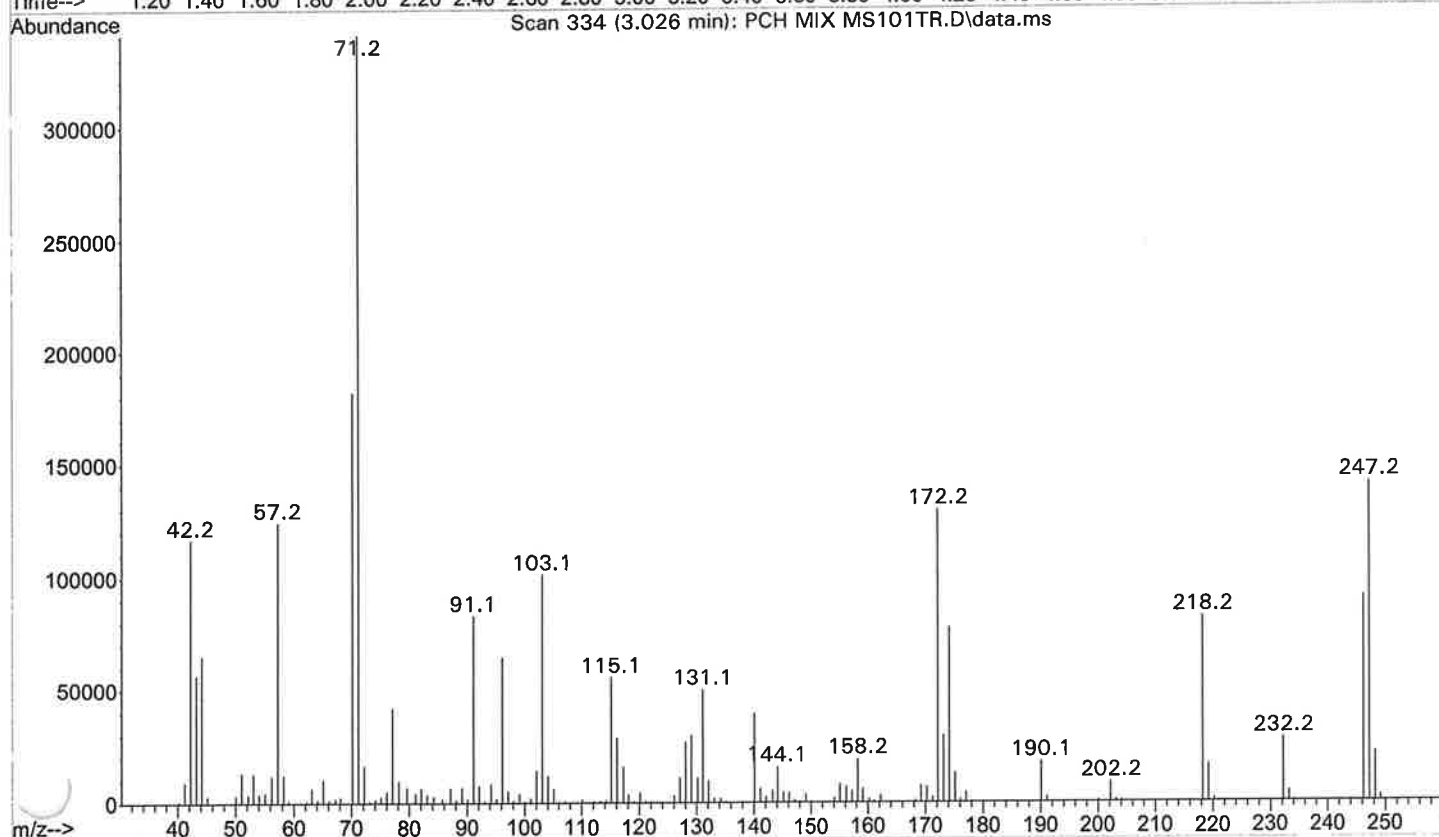
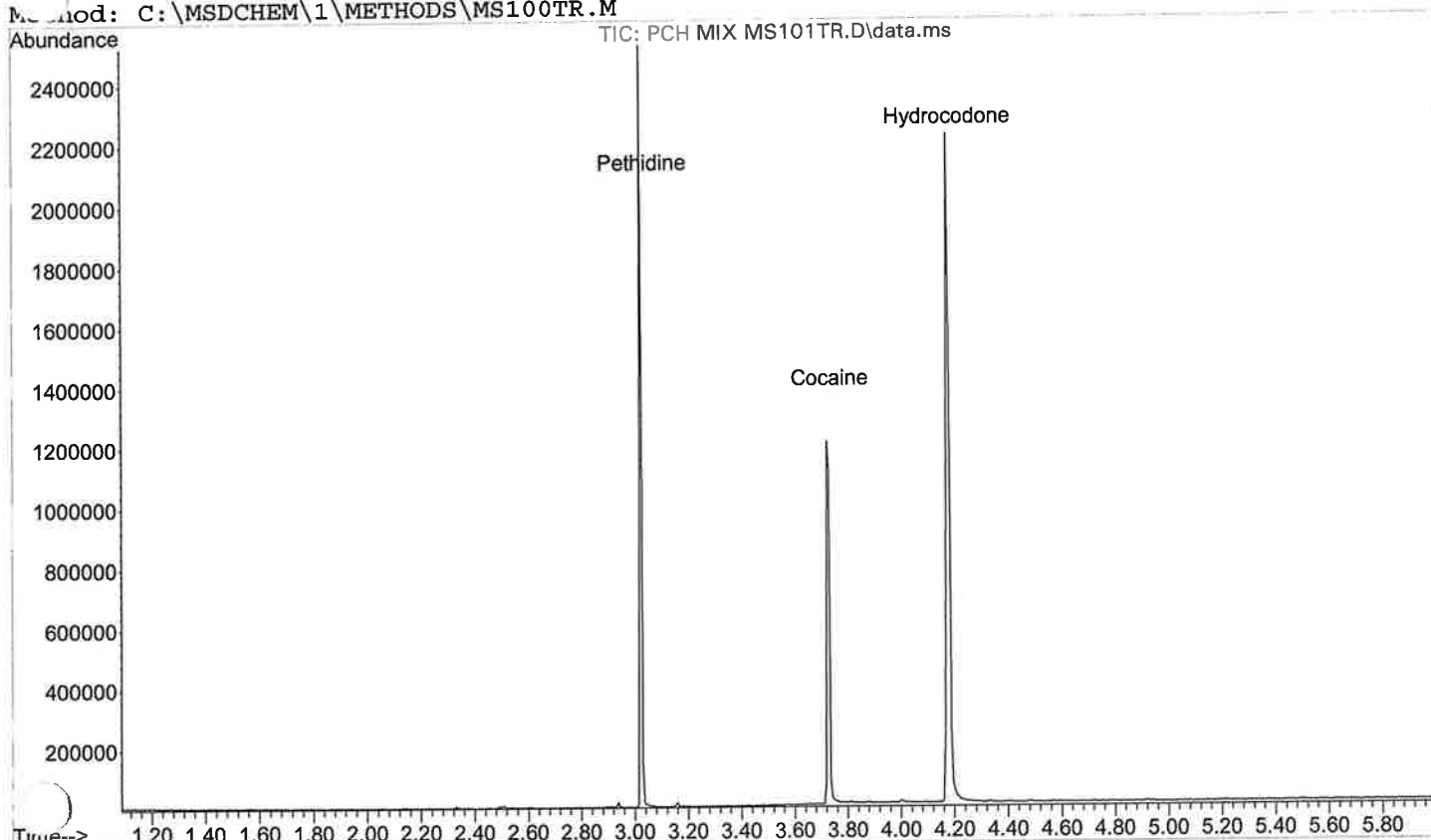
Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\PCH MIX MS101TR.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 10 Oct 2014 10:47
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for
Method: C:\MSDCHEM\1\METHODS\MS100TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 C MS100TR.D

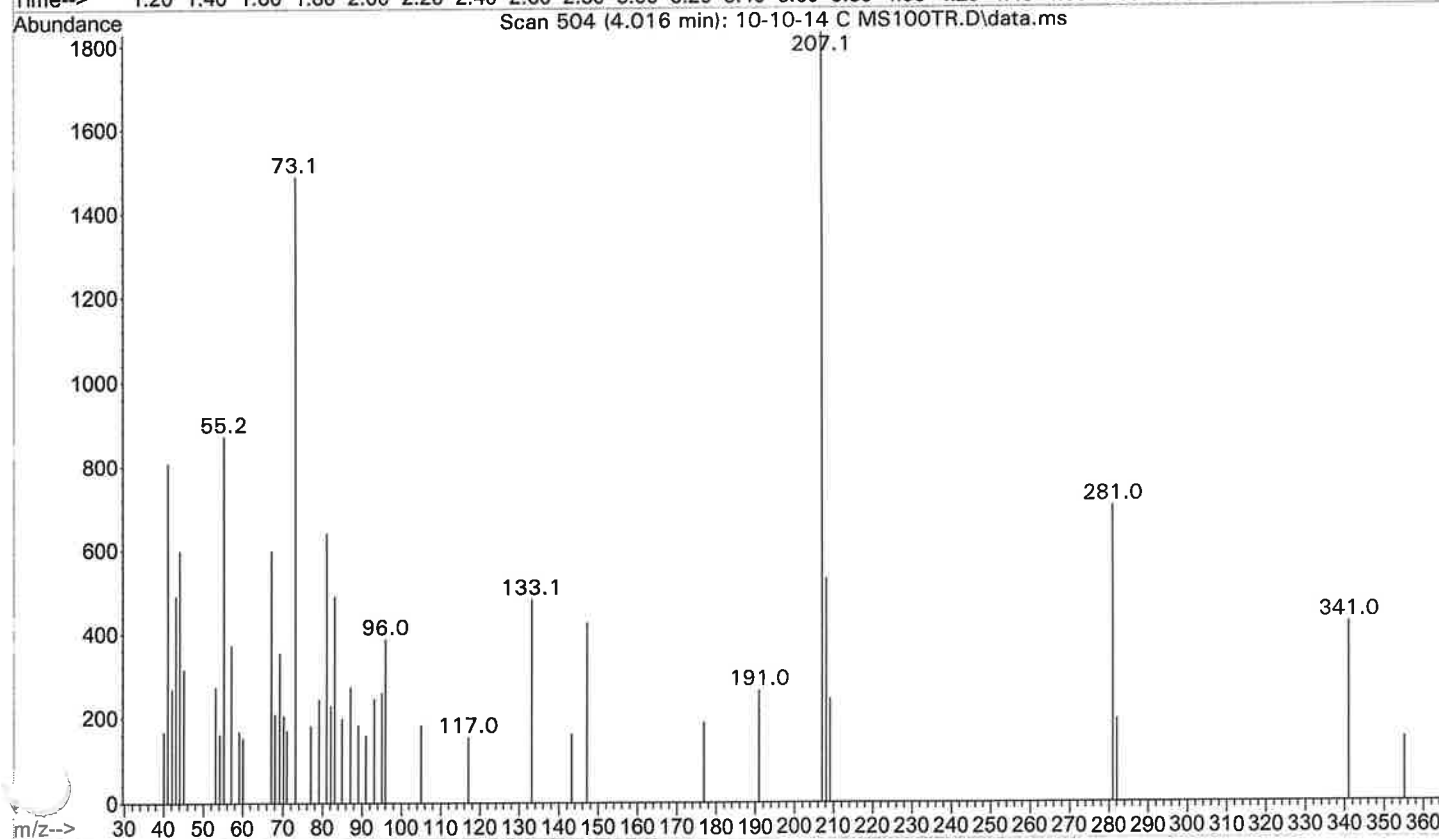
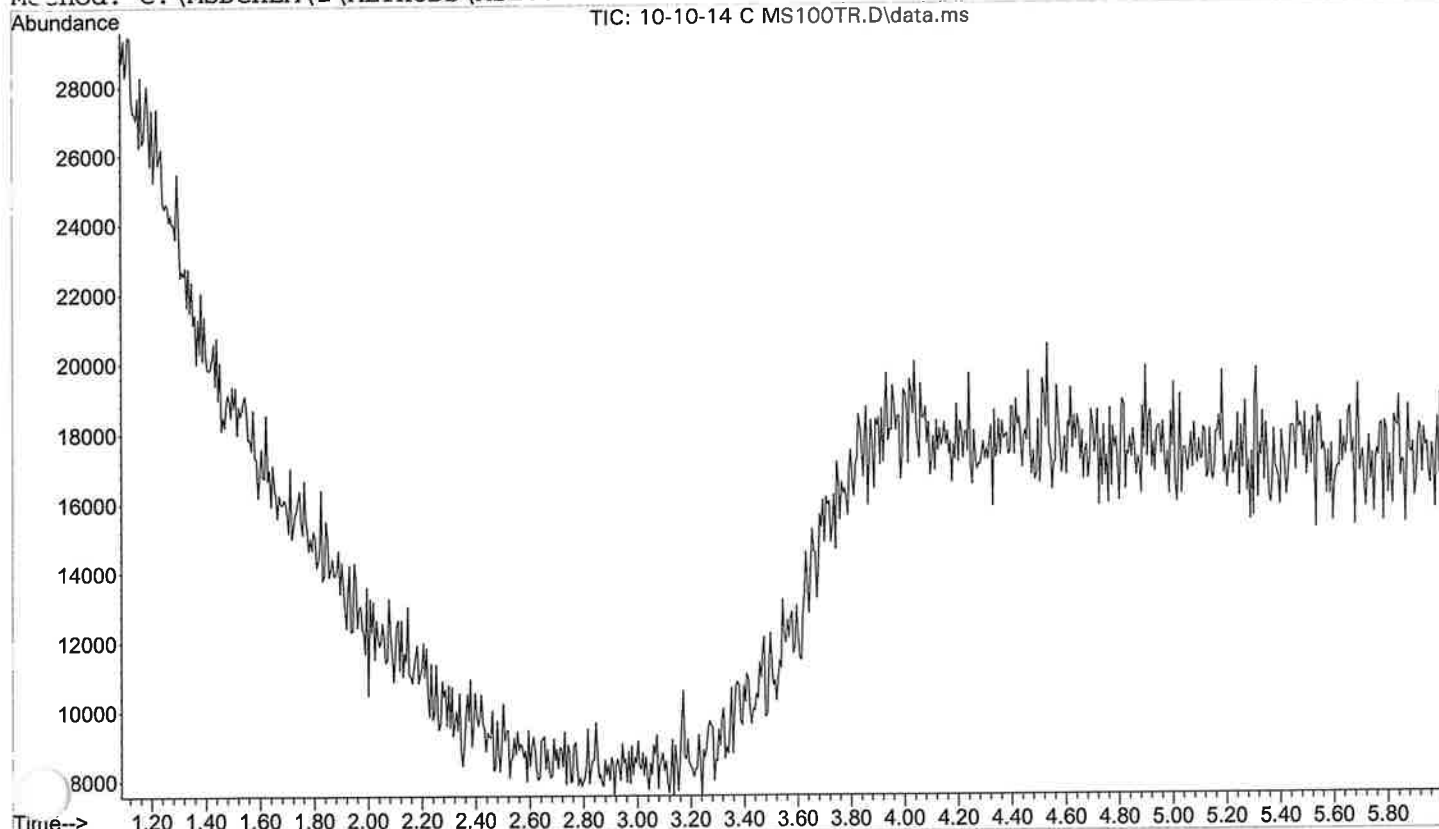
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 10:19

Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 6 min

Method: C:\MSDCHEM\1\METHODS\MS100TR.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 C MS200TR.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

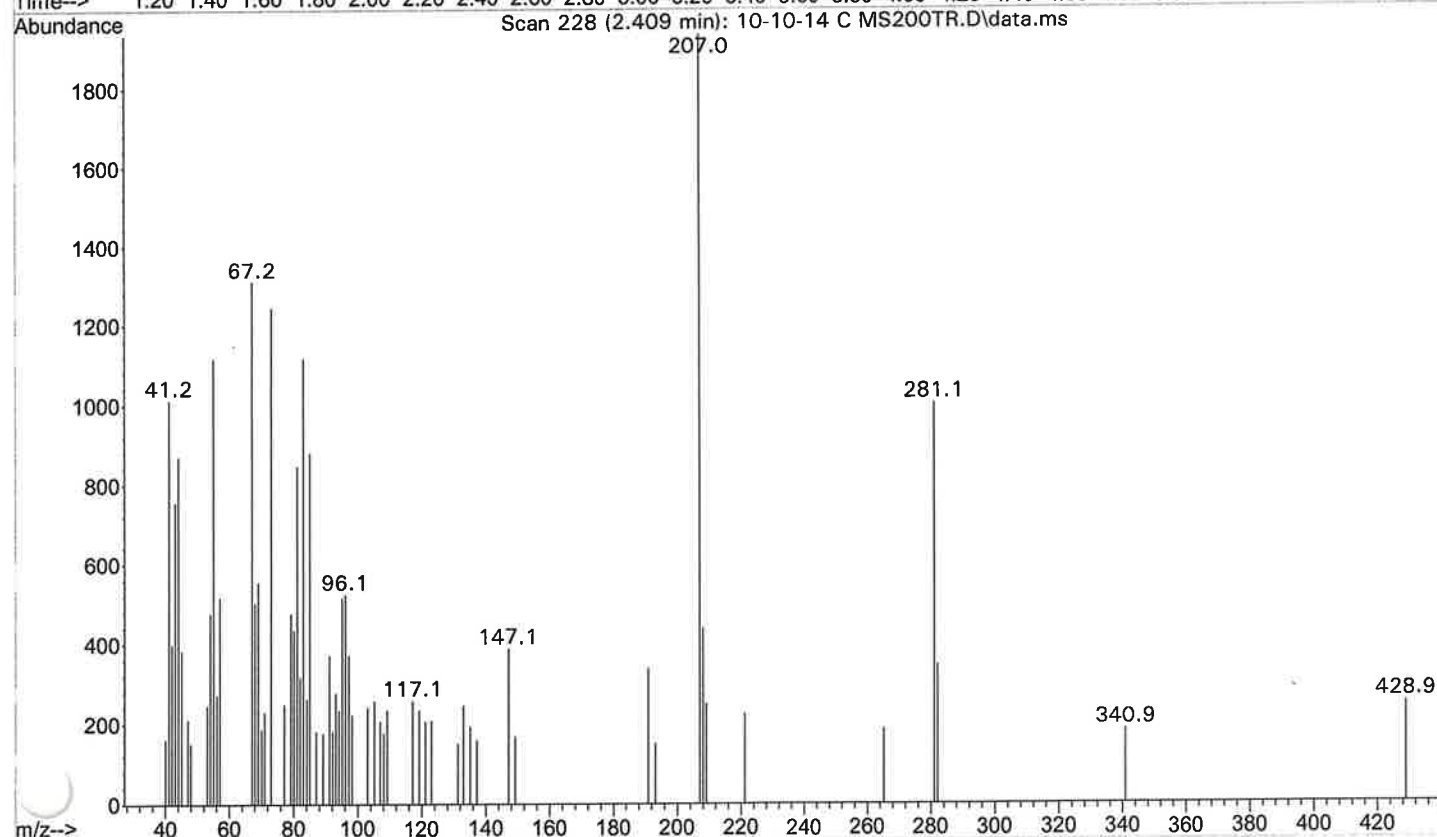
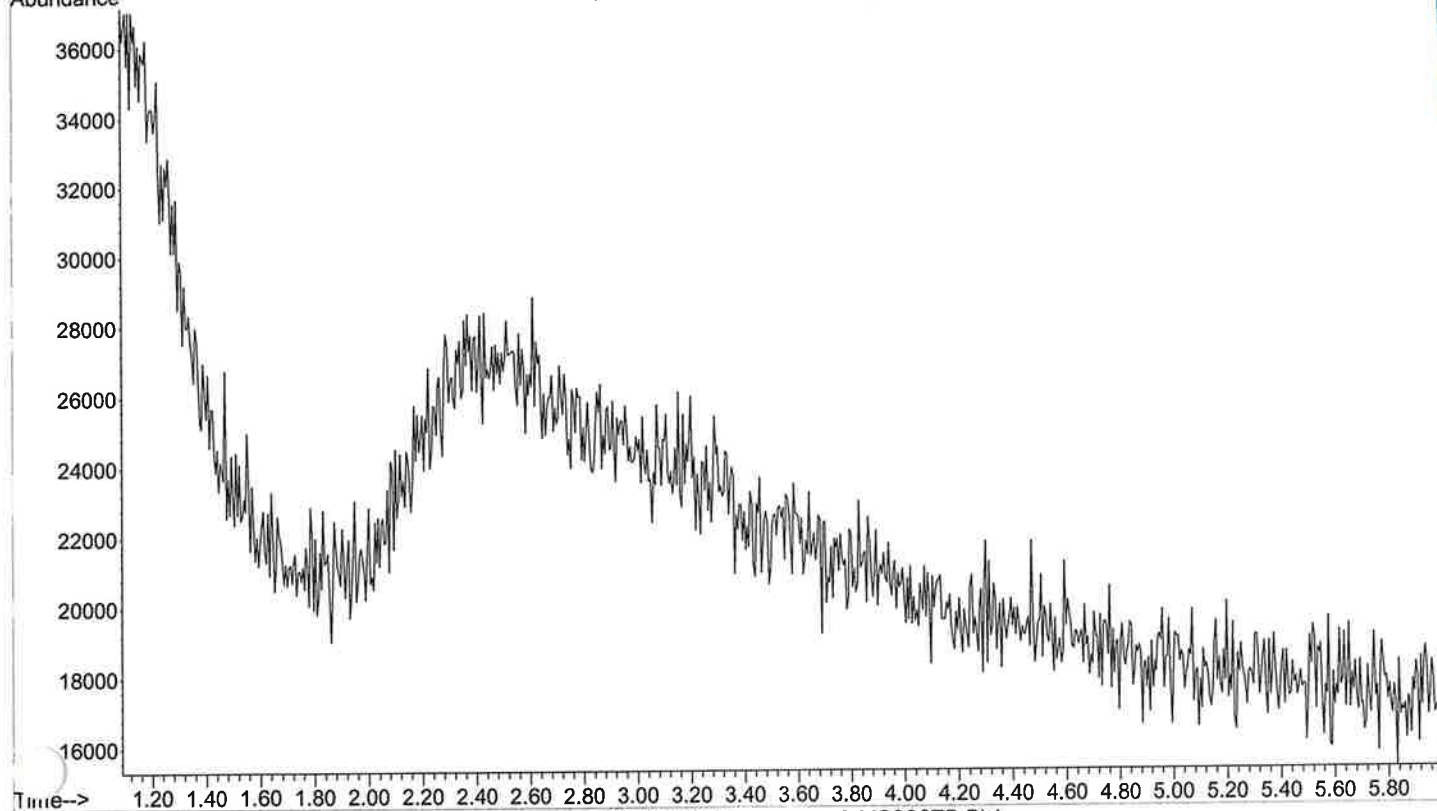
Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 13:29

Information: Chloroform blank Misc. Information: Chloroform 200-280c @70c/min for 6 min

Method: C:\MSDCHEM\1\METHODS\MS200TR.M

Abundance TIC: 10-10-14 C MS200TR.D\data.ms



Column: a 12.5 m J&W 19091S-602

Initial pressure: 13.61 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

MS200TR

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX MS201TR.D

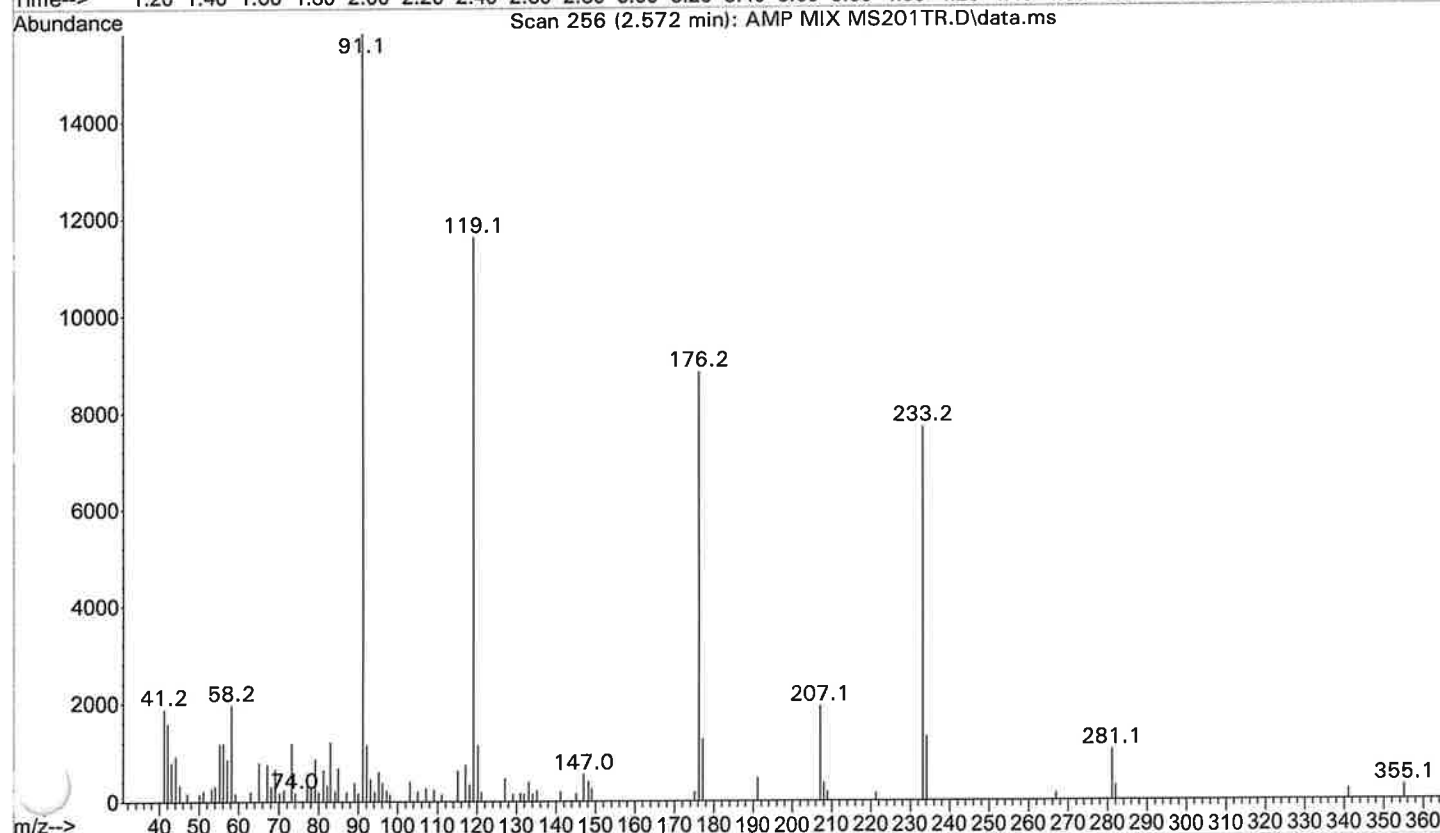
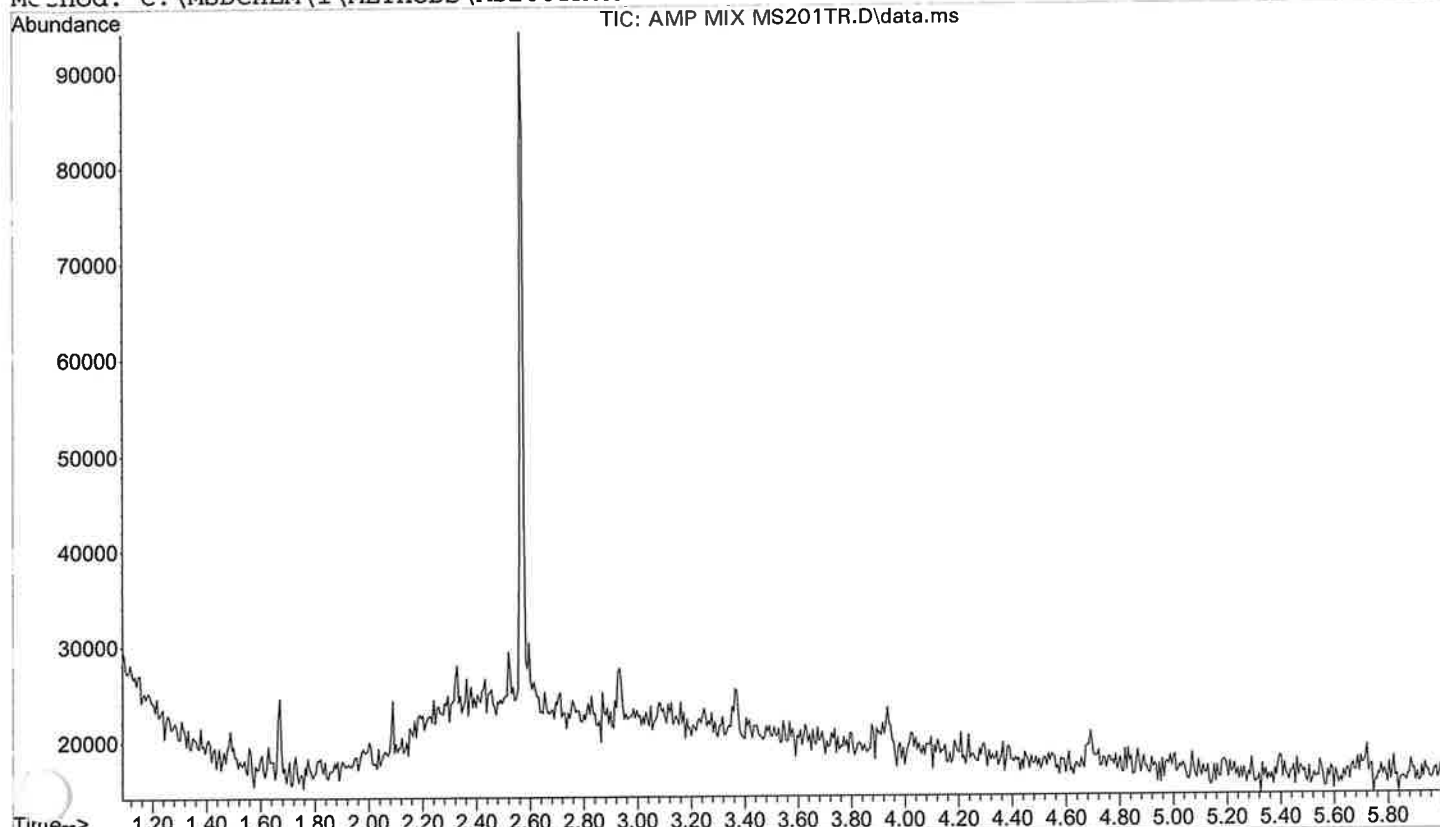
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 13:36

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 200-280c @

Method: C:\MSDCHEM\1\METHODS\MS200TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.61 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\PCH MIX MS200TR.D

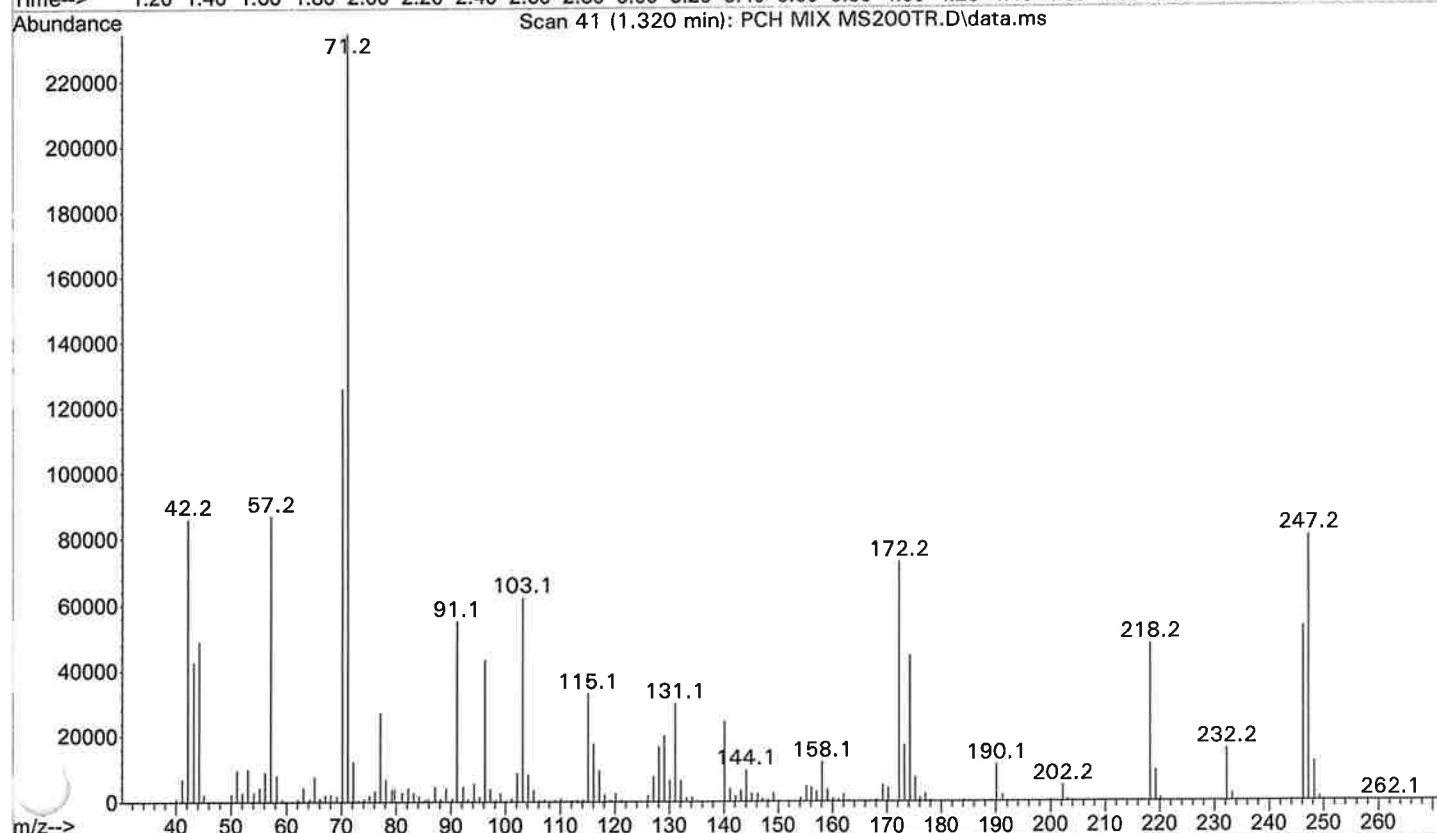
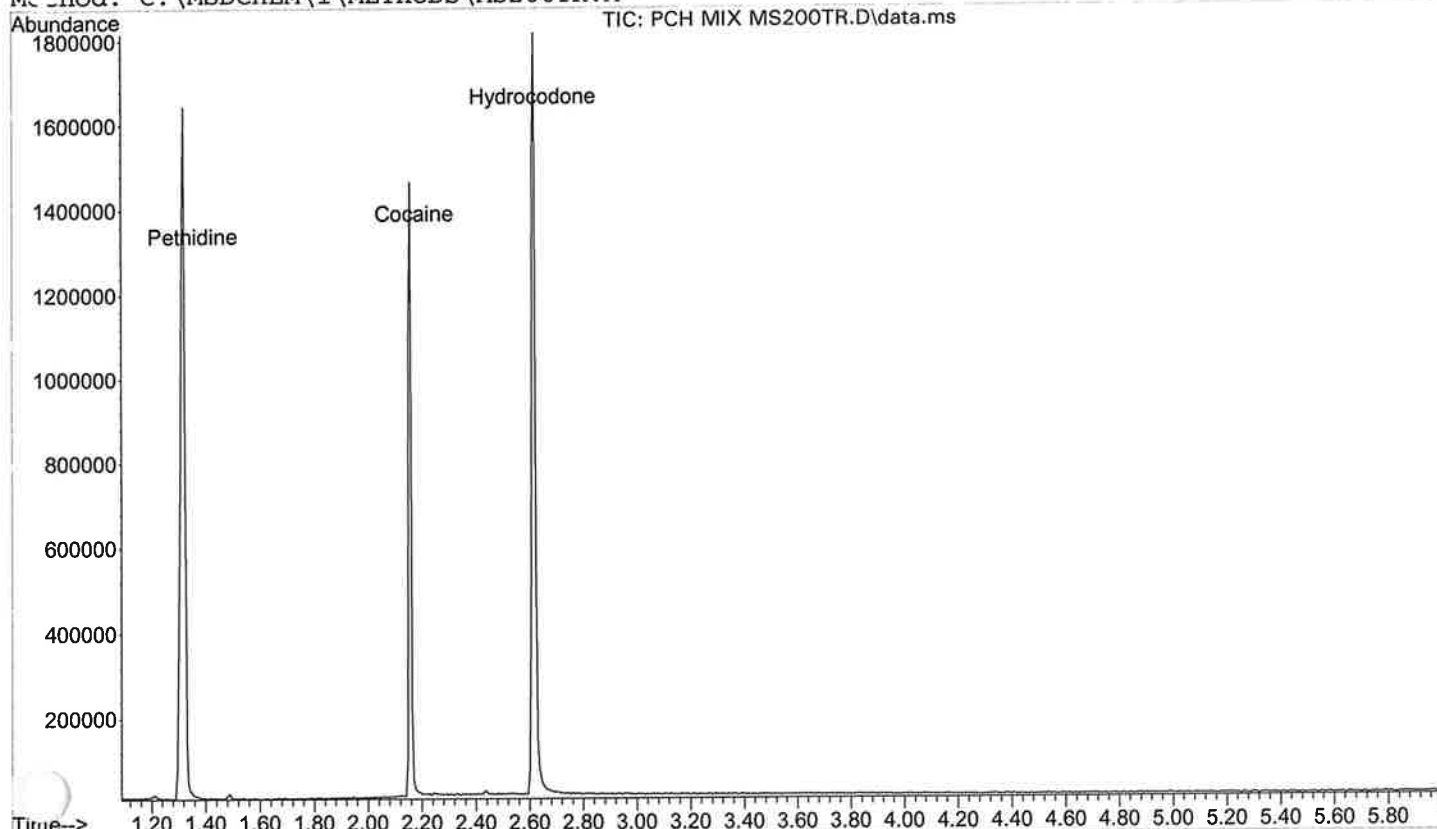
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 13:52

Information: Pethidine, Cocaine, hydrocodone Misc. Information: Methanol 200-280c @70c/min for

Method: C:\MSDCHEM\1\METHODS\MS200TR.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 13.61 psi

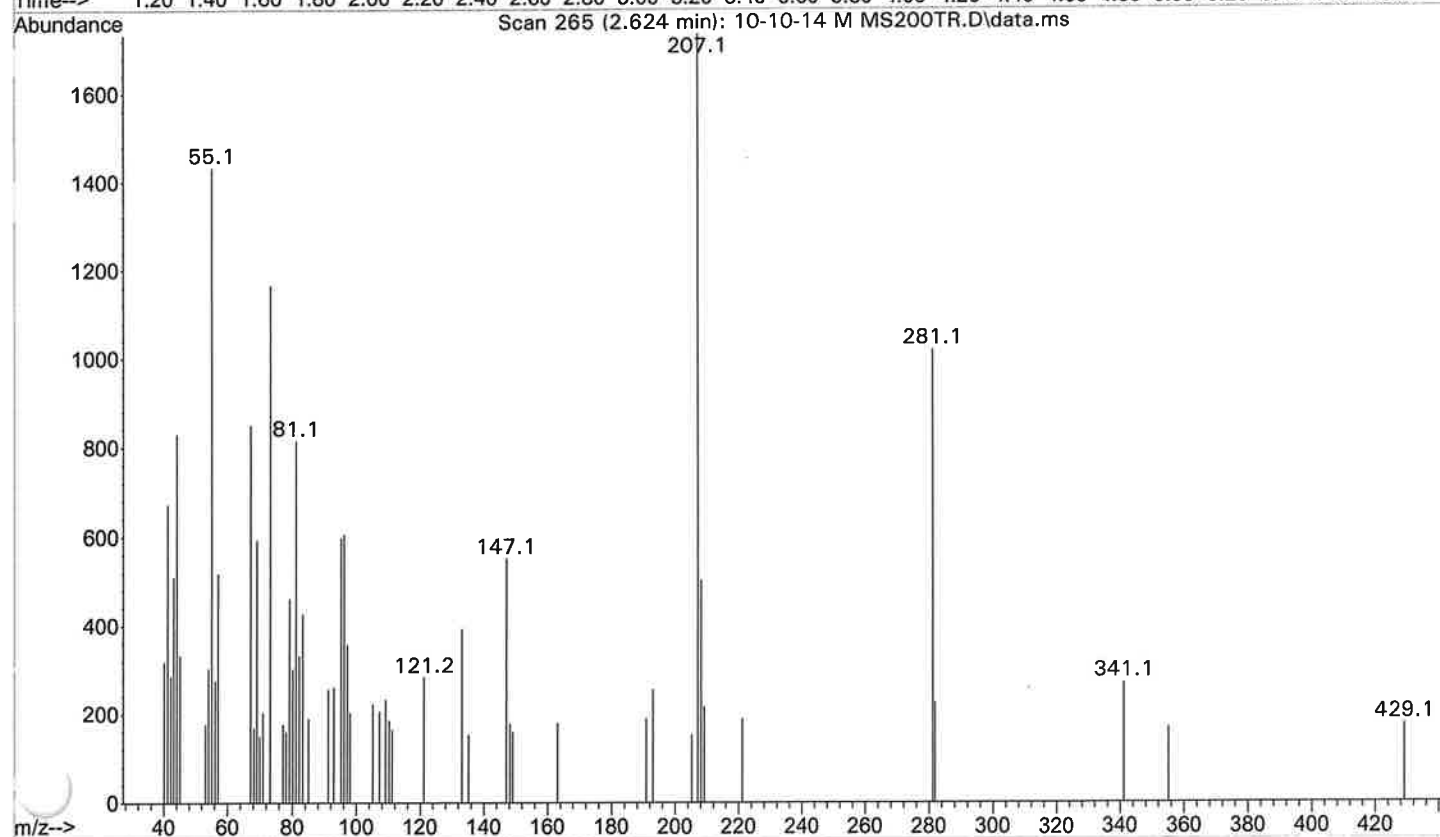
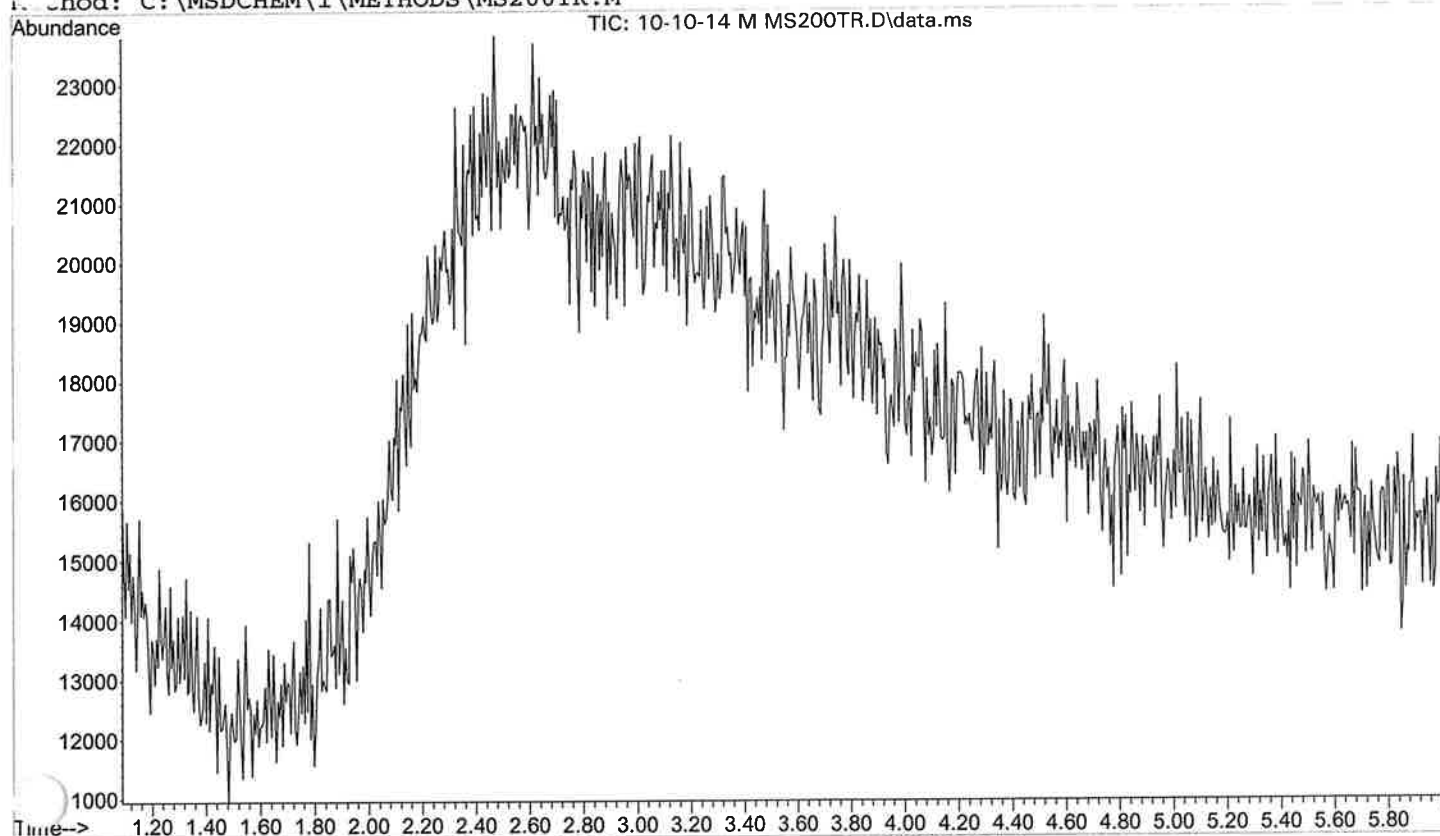
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

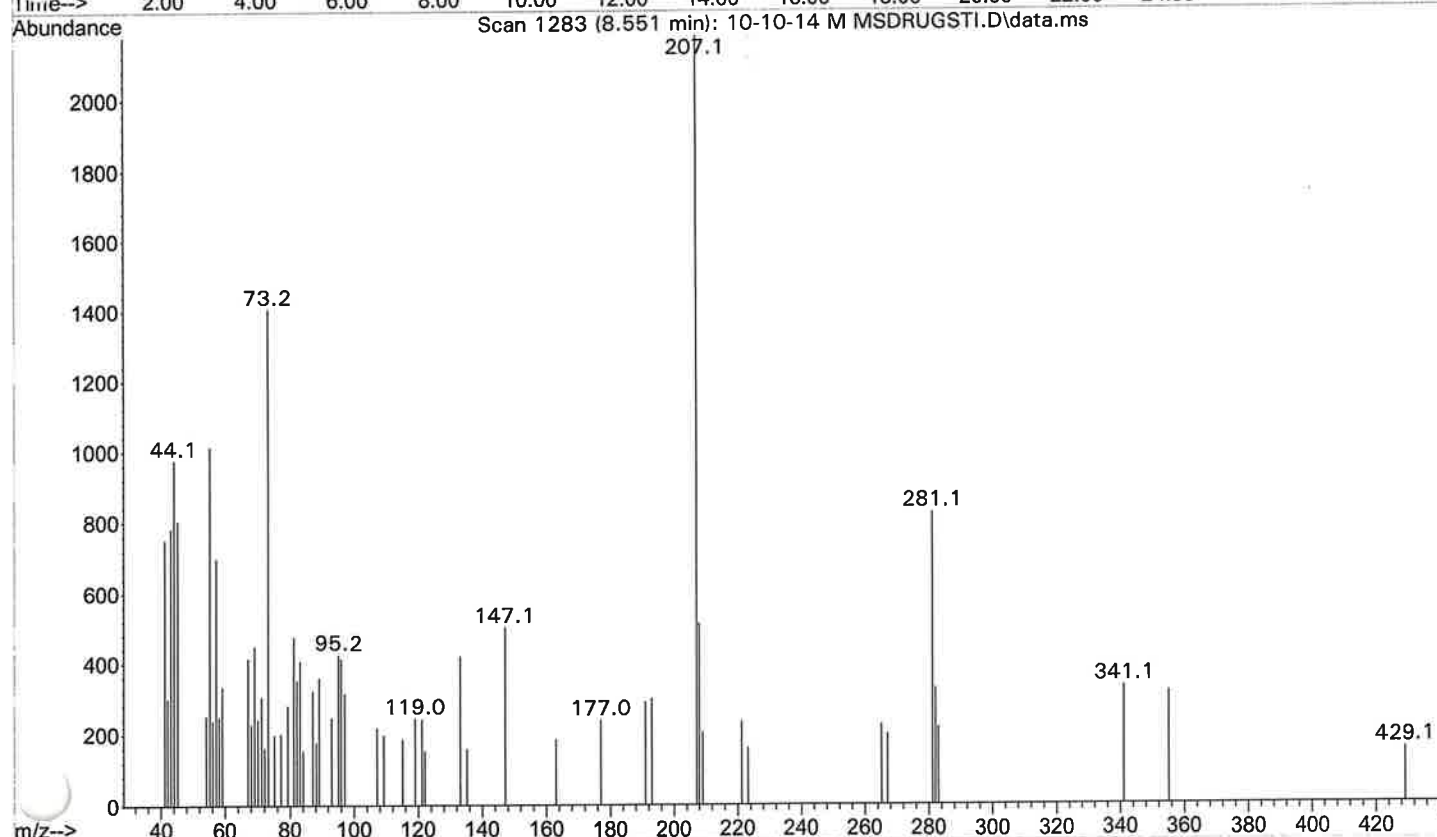
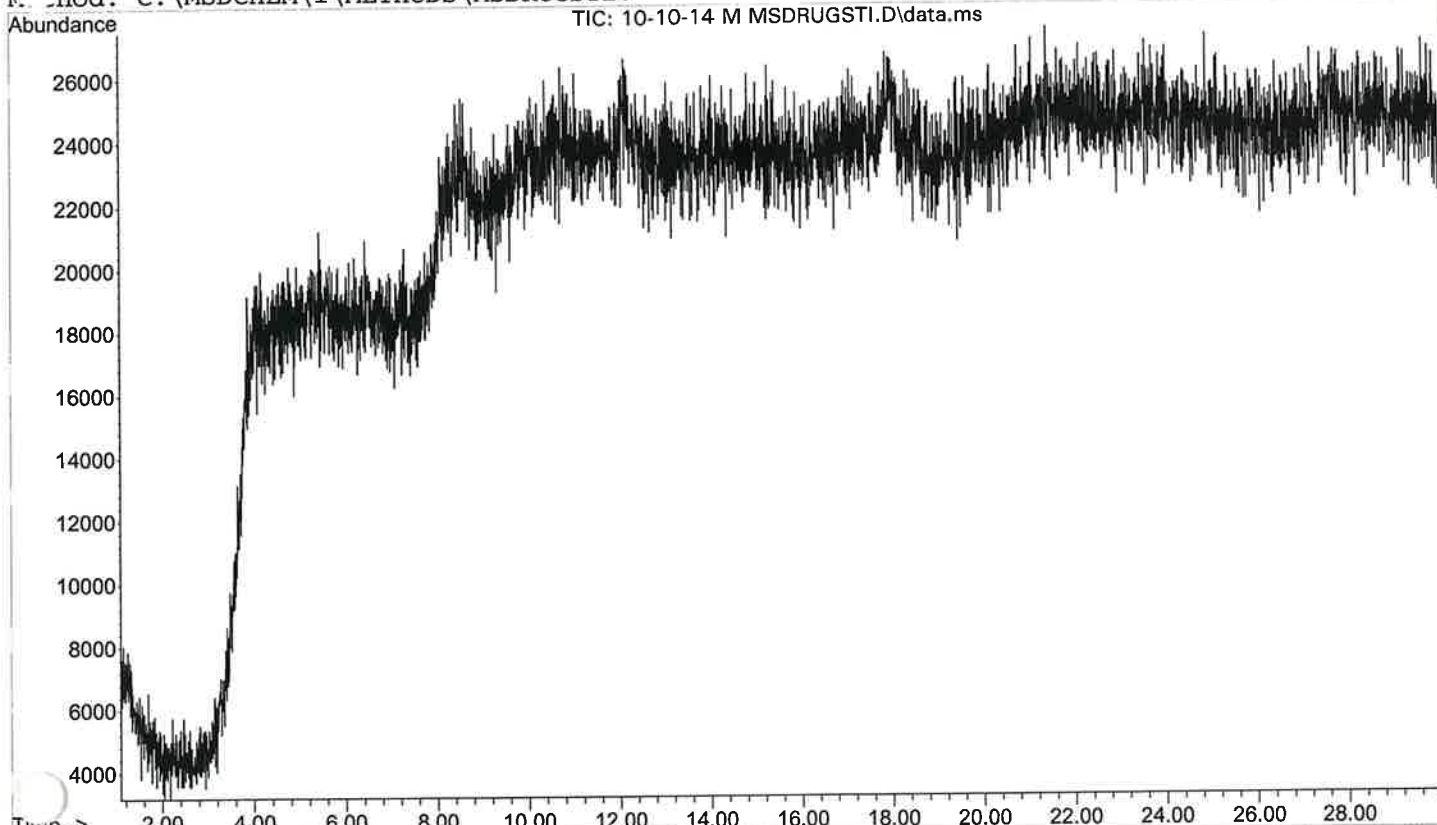
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 M MS200TR.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 10 Oct 2014 13:44
Information: Methanol Blank Misc. Information: Methanol 200-280c @70c/min for 6 min
Method: C:\MSDCHEM\1\METHODS\MS200TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.61 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 M MSDRUGSTI.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 10 Oct 2014 8:40
Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 30 min
Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M

MSDRUGSTI



Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX MSDRUGSTI.D

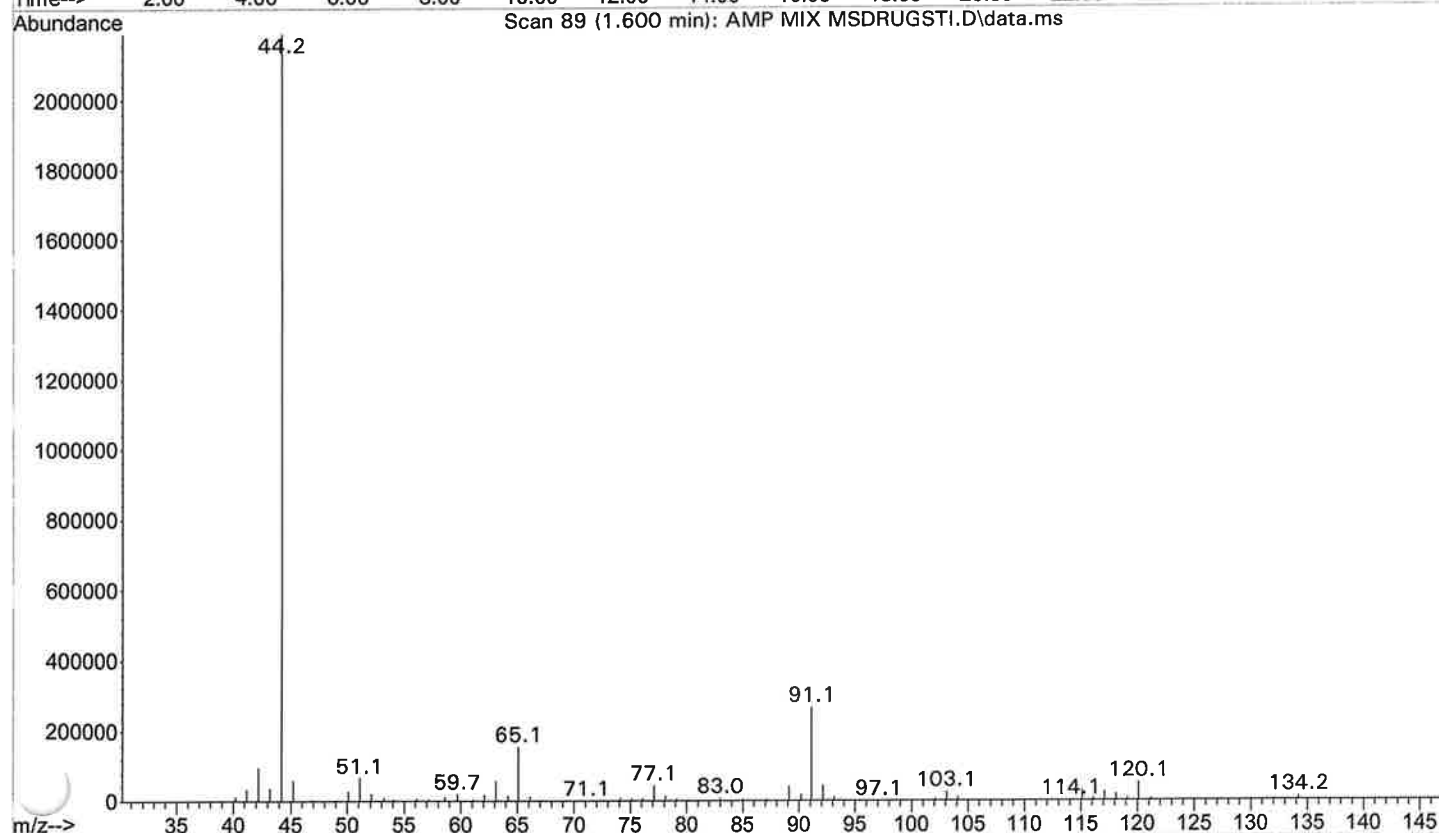
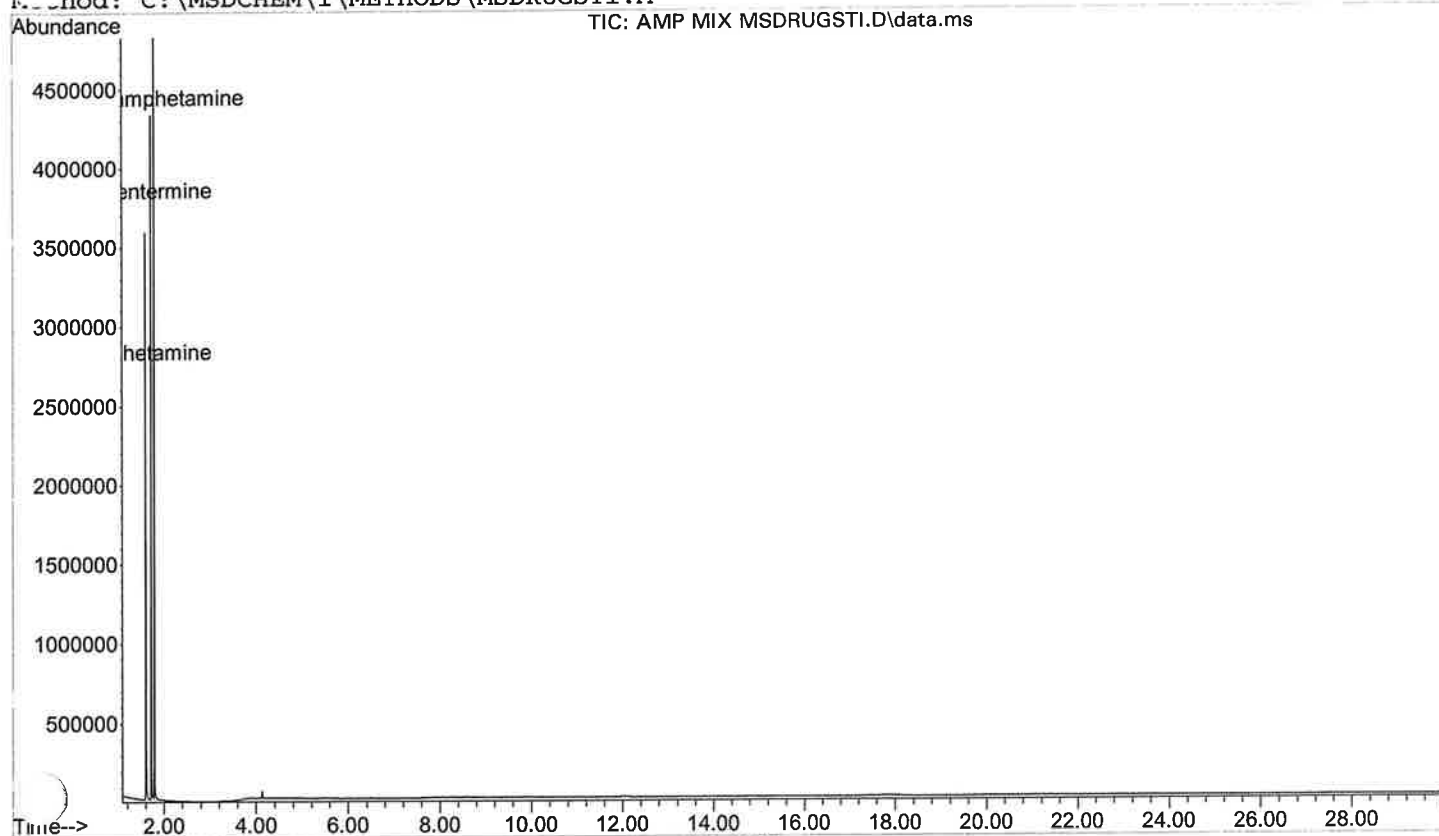
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 8:01

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX MSDRUGSTI.D

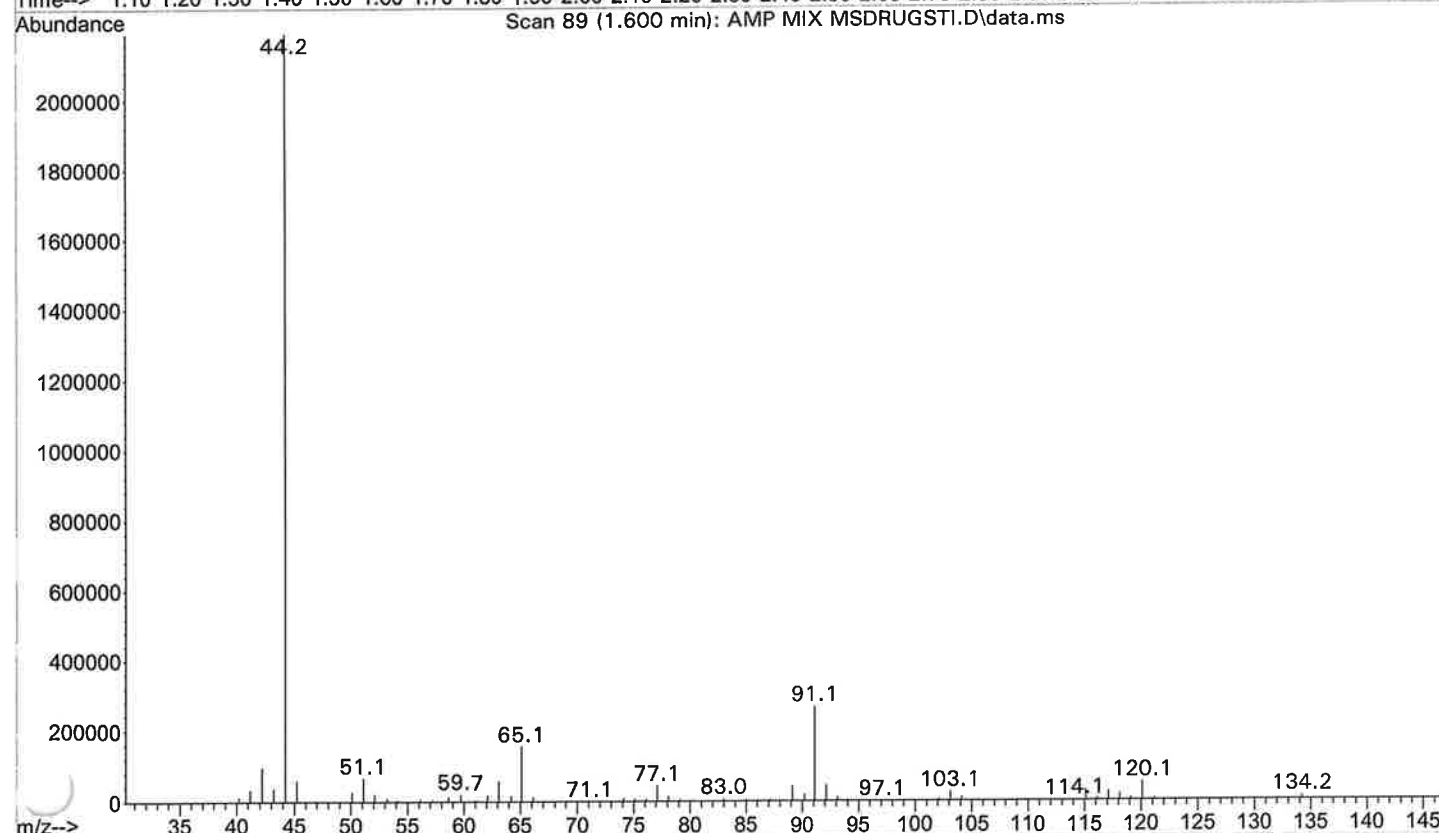
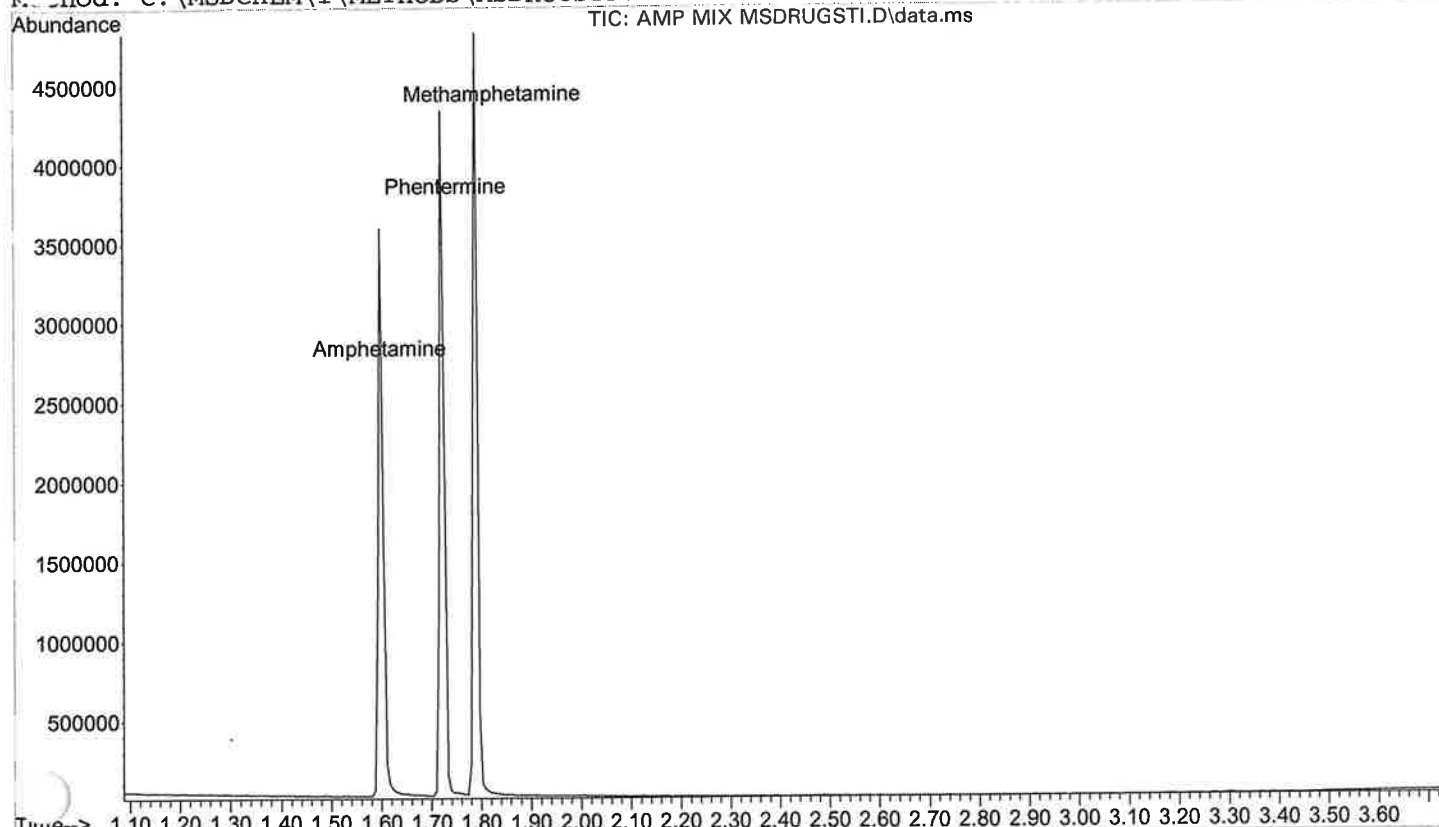
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 8:01

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\PCH MIX MS DRUGSTI.D

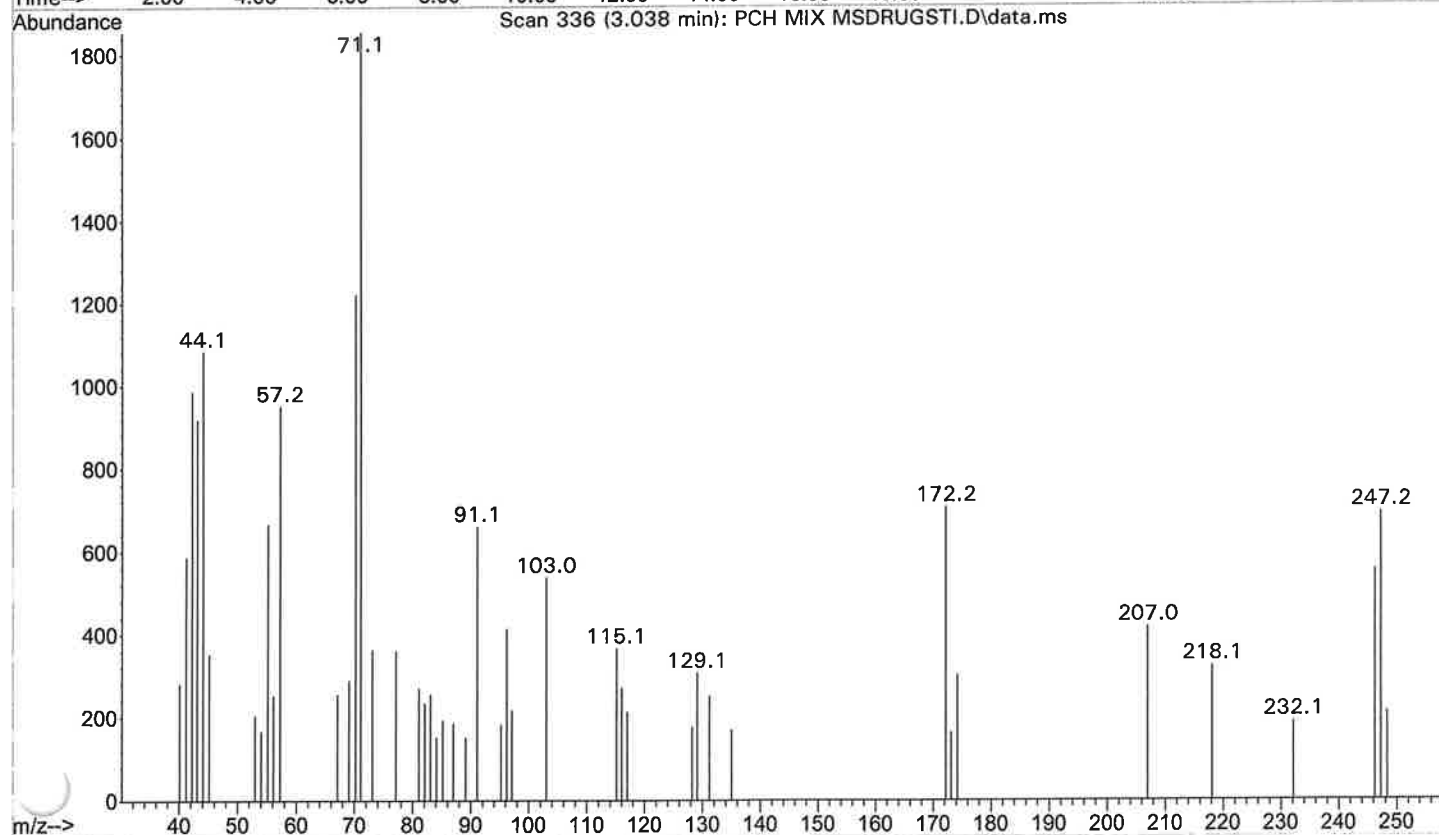
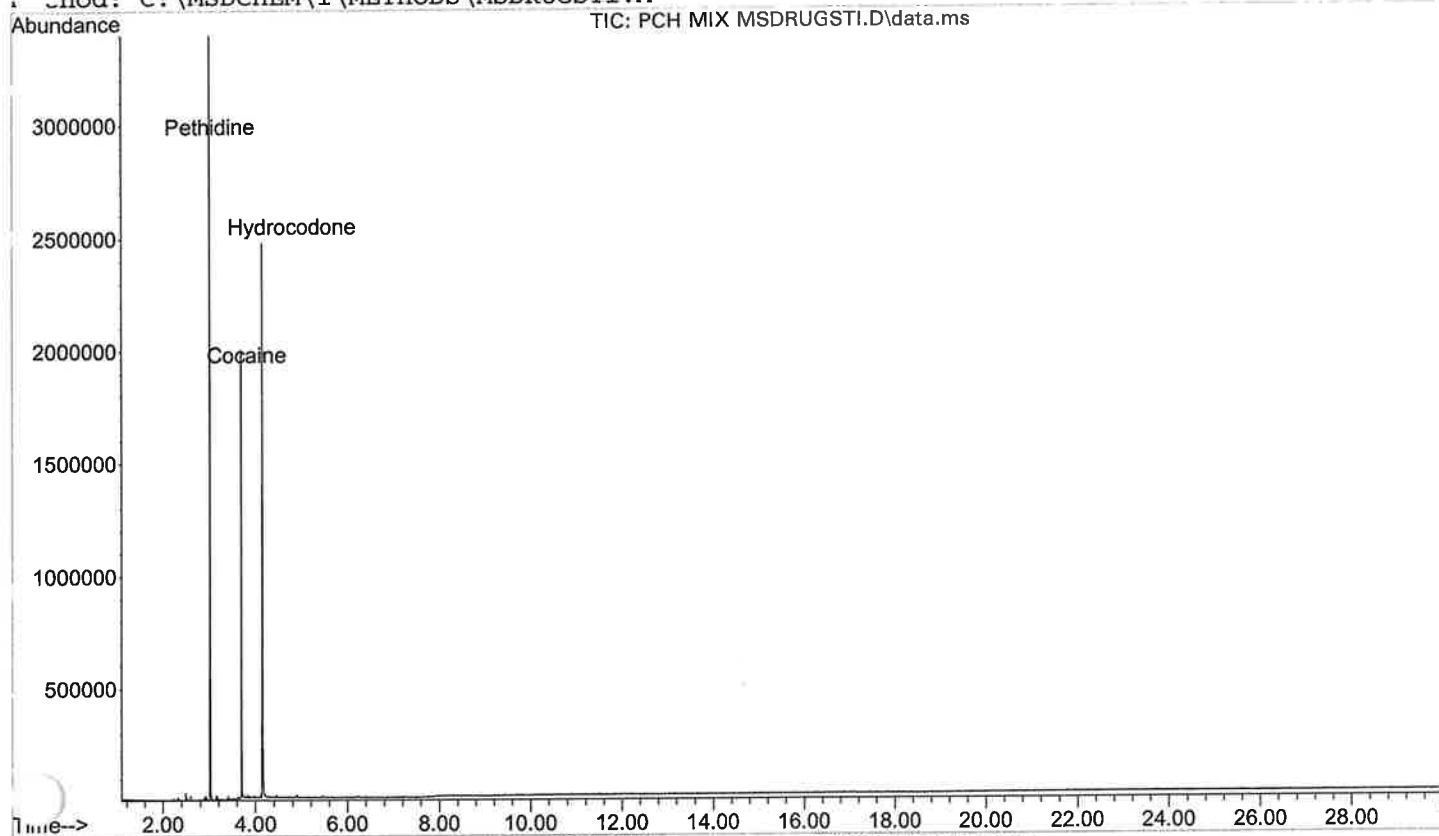
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 9:13

Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for

Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\JNT MIX MSDRUGSTI.D

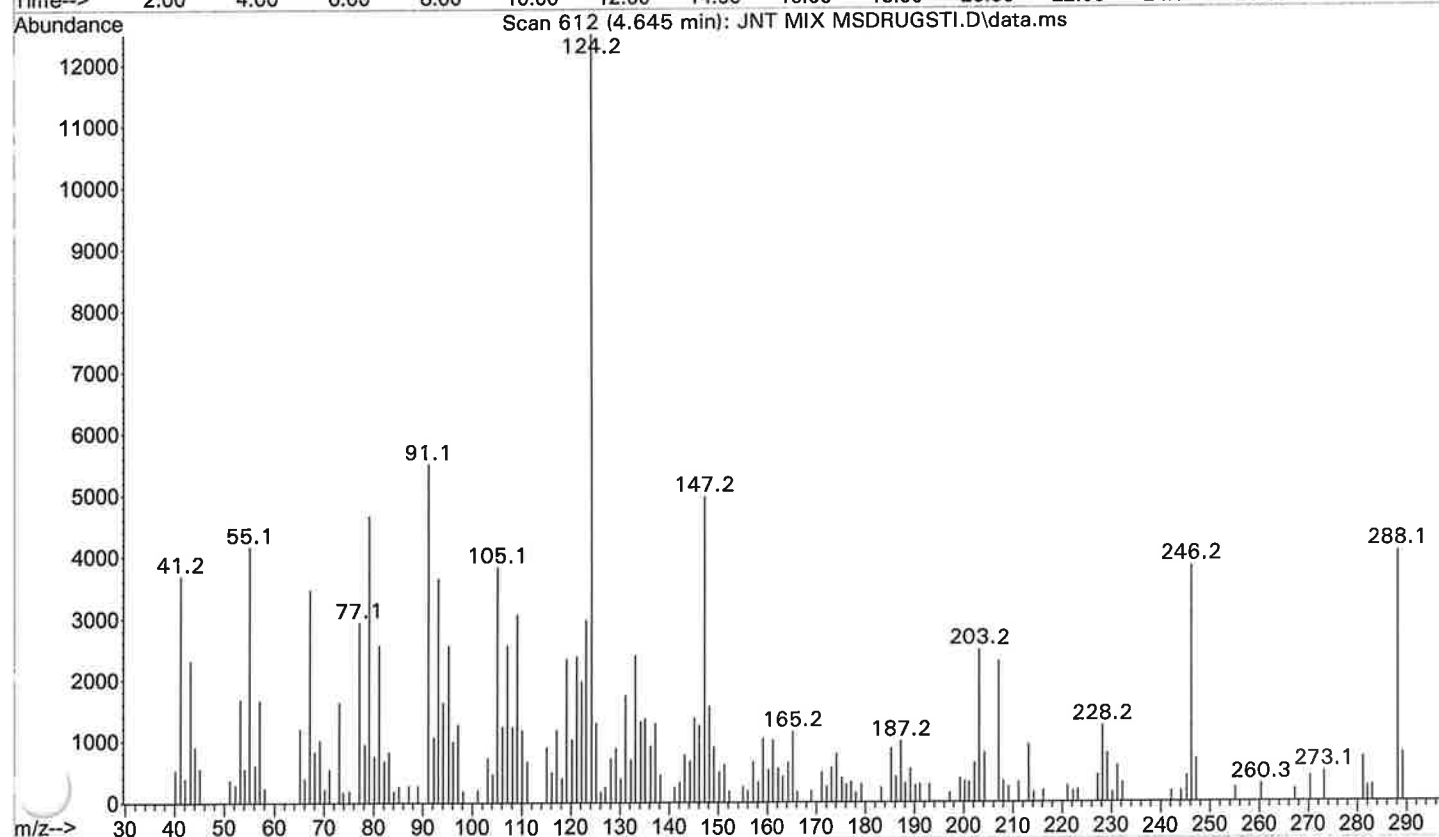
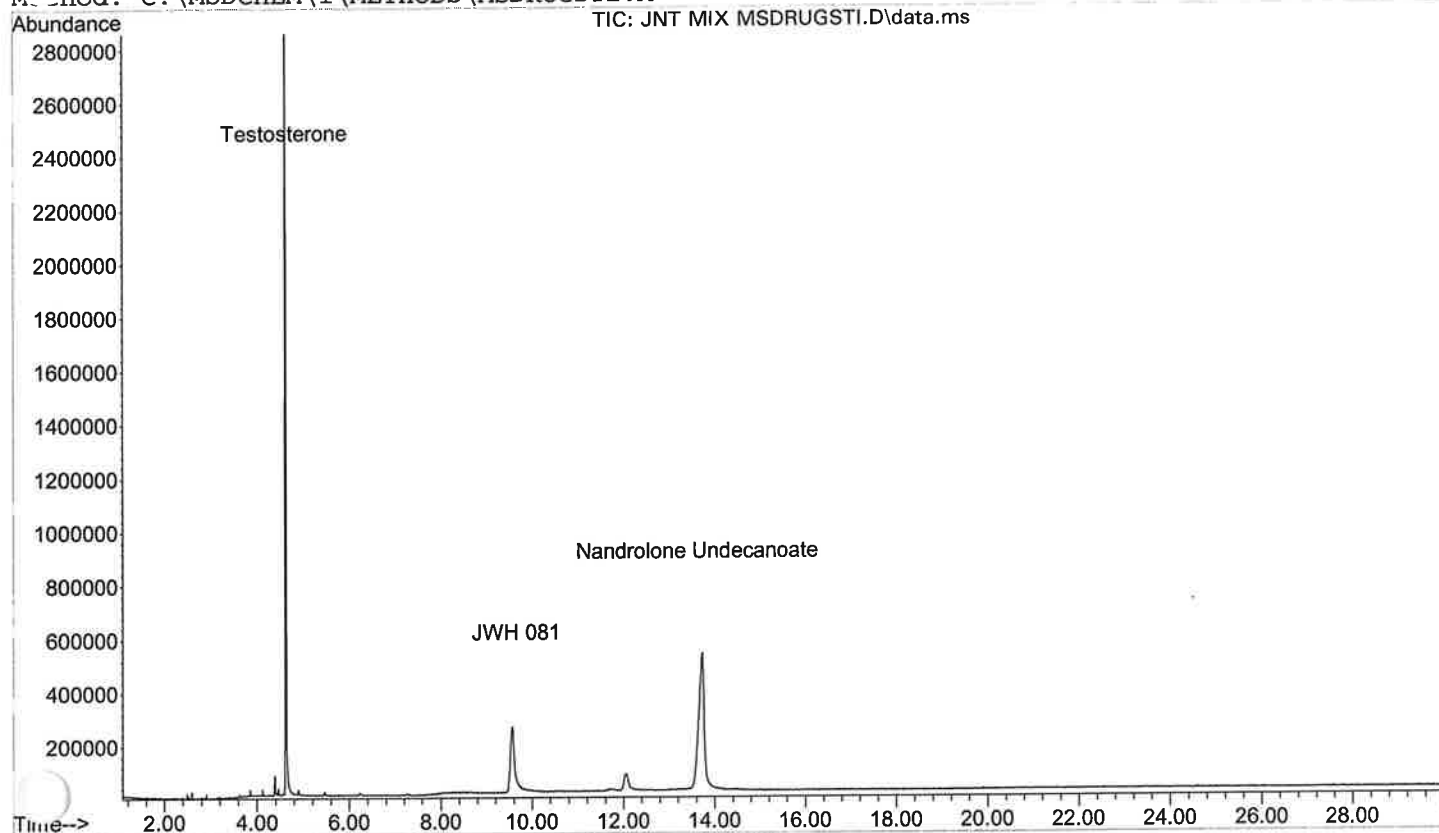
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 9:46

Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Methanol 100-280c

Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 C MS DRUGSTI.D

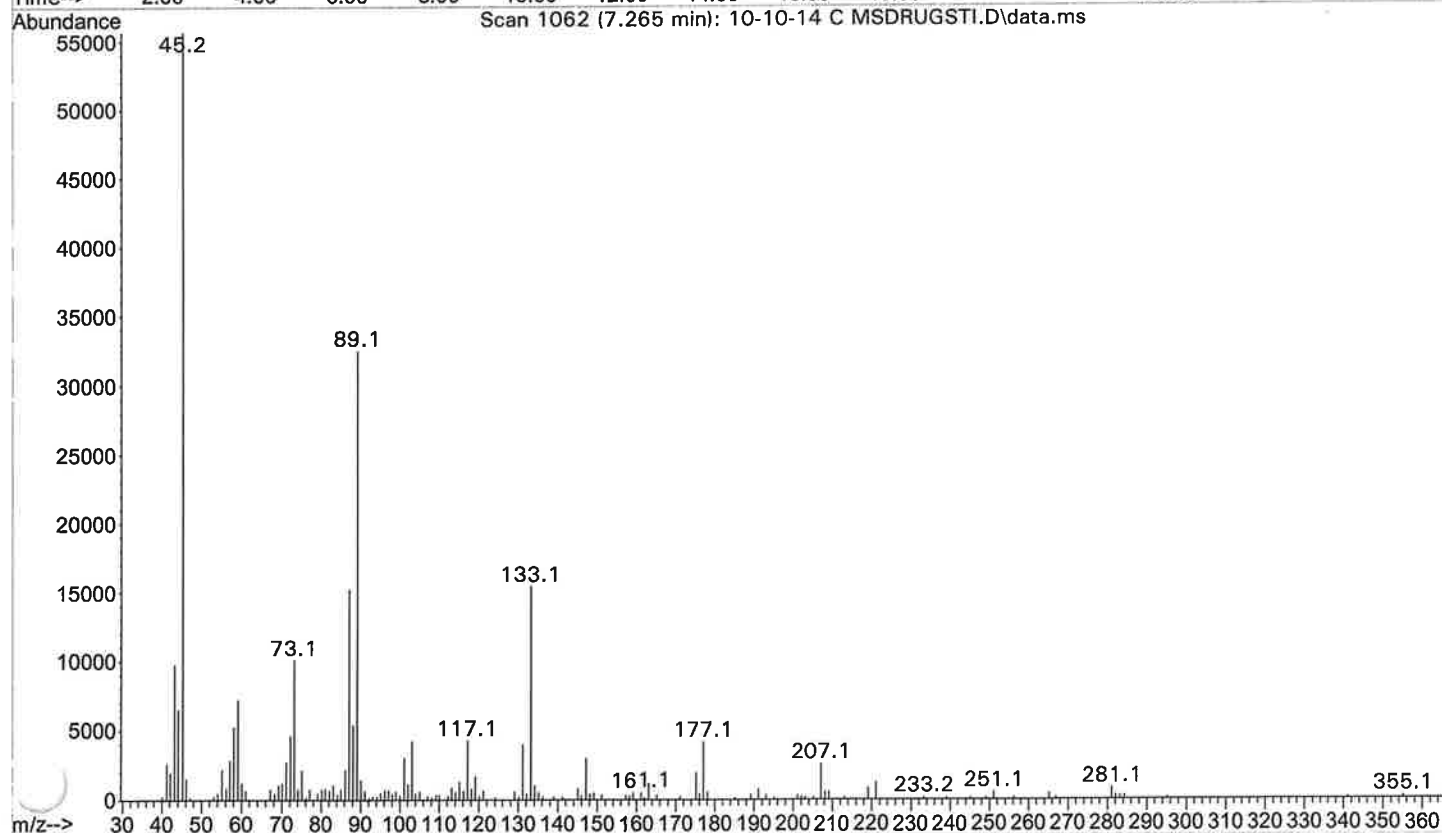
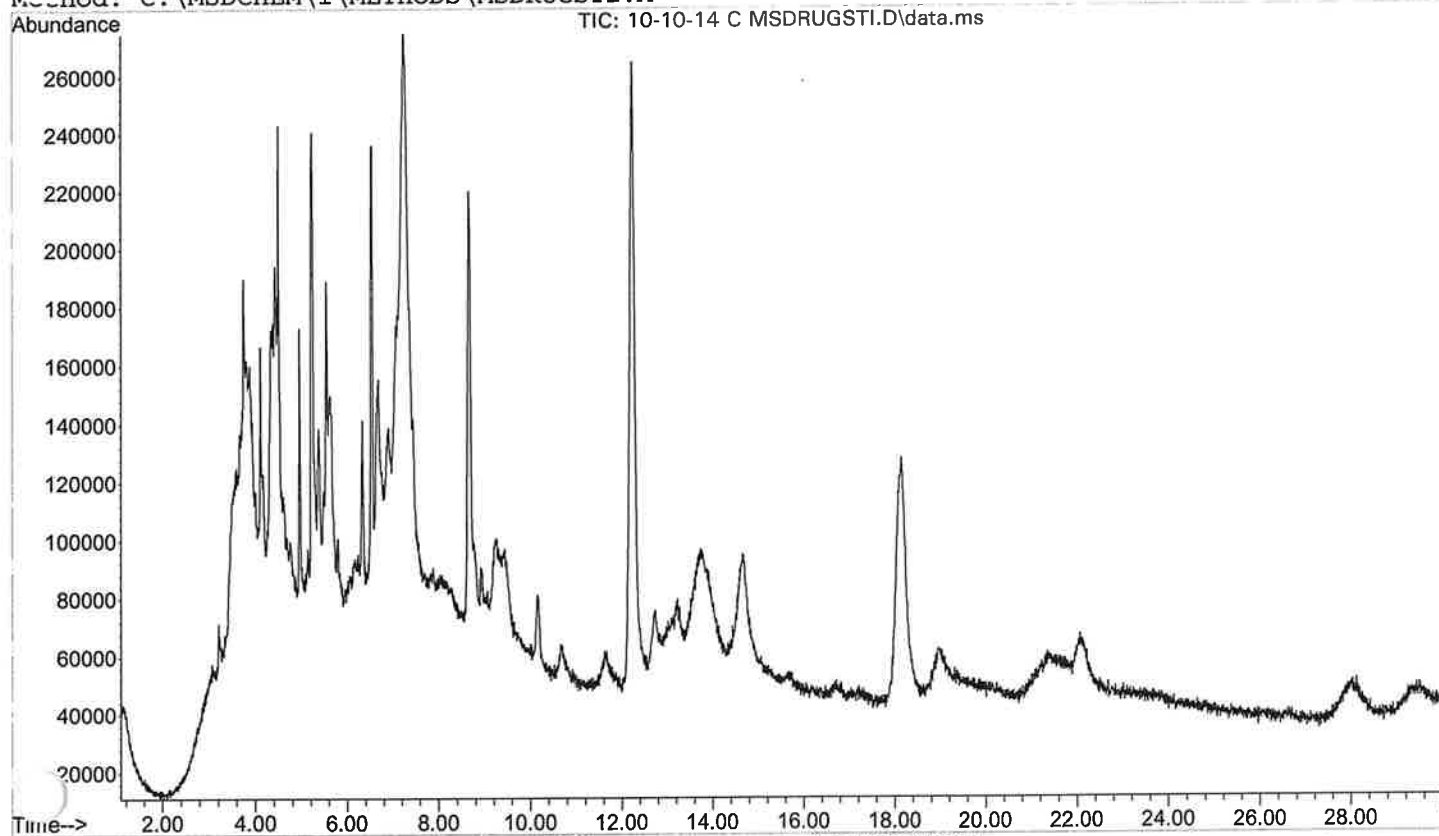
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 7:26

Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 30 min

Method: C:\MSDCHEM\1\METHODS\MSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

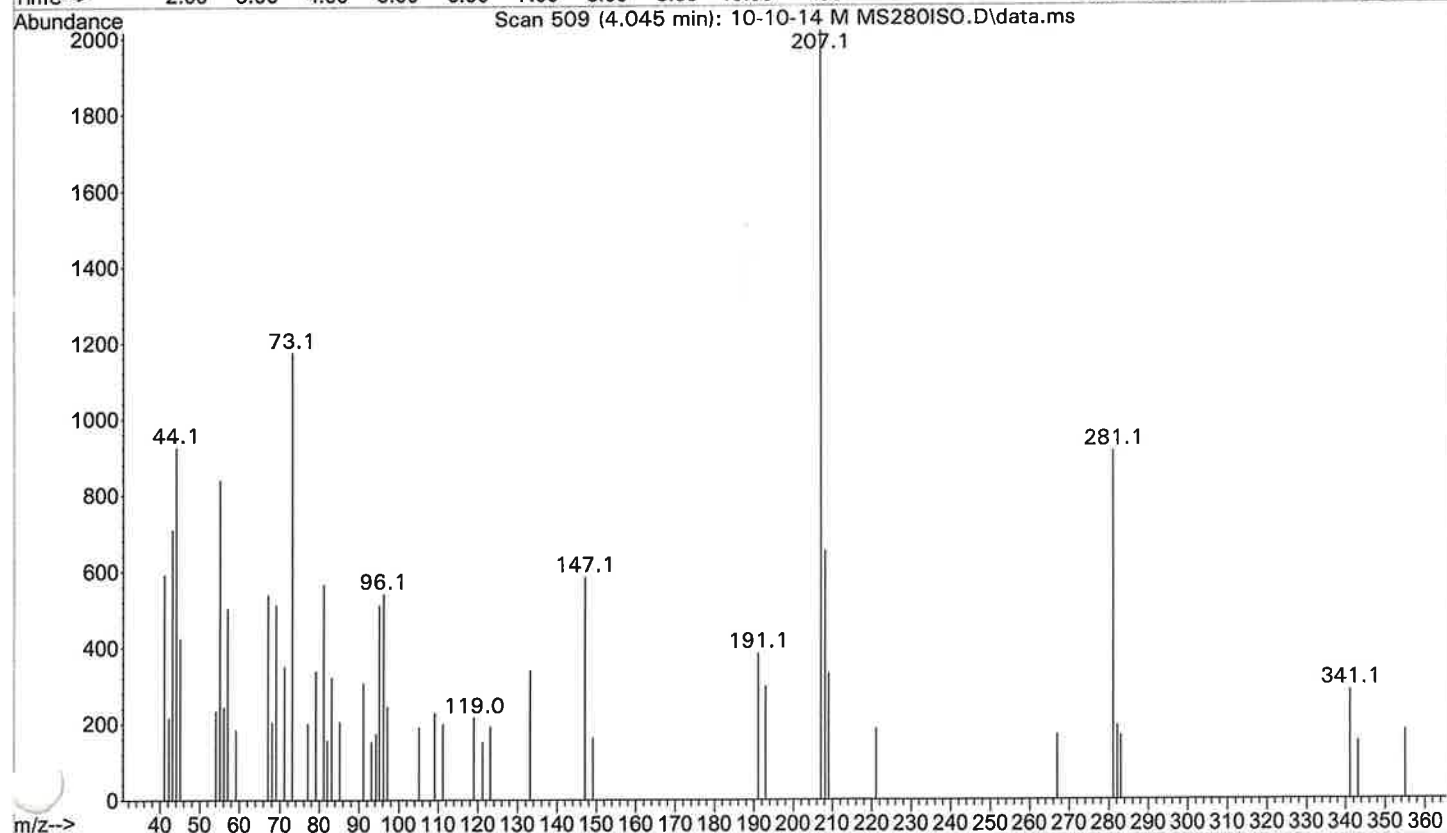
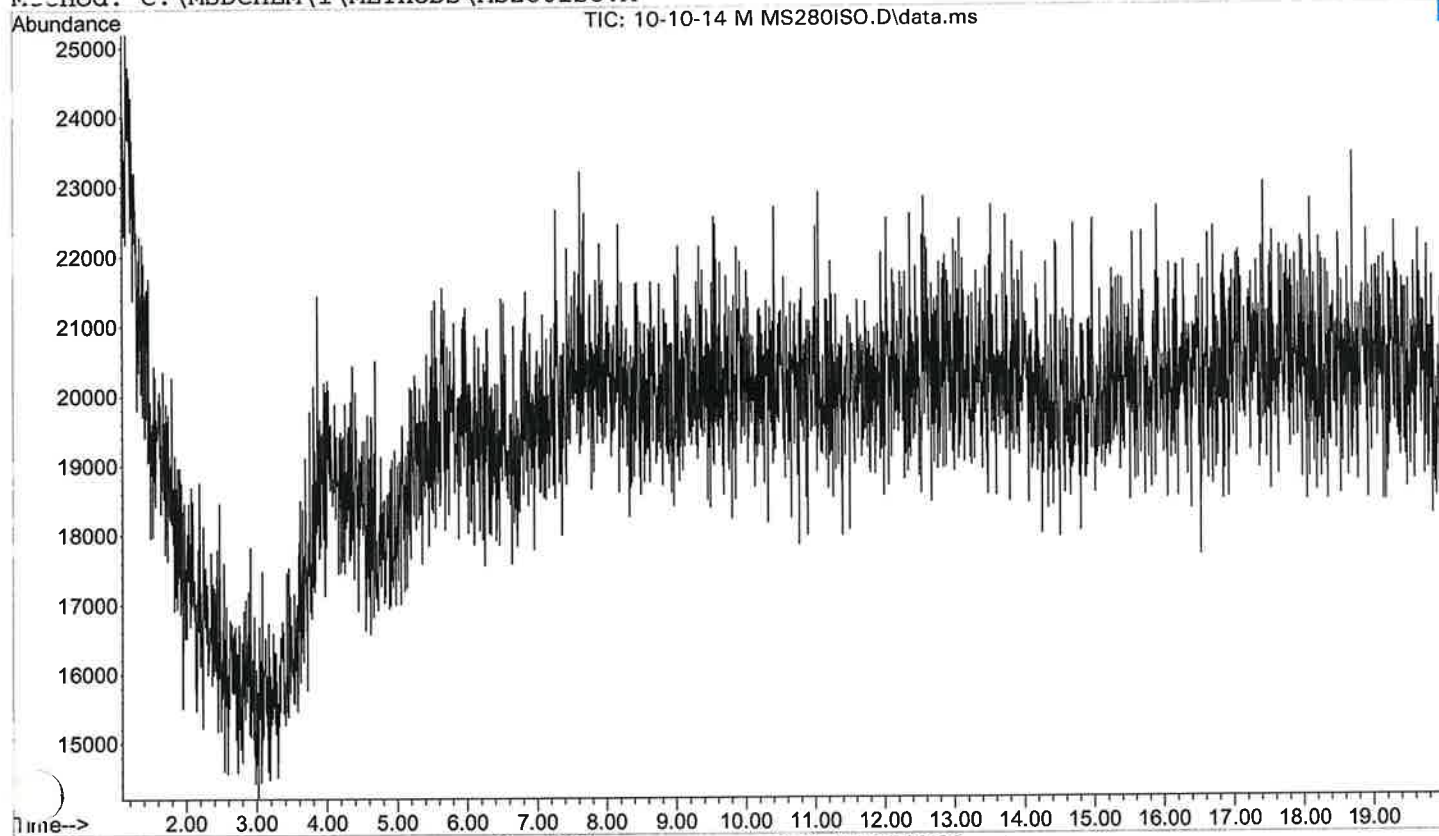
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 M MS280ISO.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu
Acquired by Lela Jackson on 10 Oct 2014 12:39
Information: Methanol Blank Misc. Information: Methanol 280c for 20 min
Method: C:\MSDCHEM\1\METHODS\MS280ISO.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 17.58 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 280 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

MS280ISO.D

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\JNT MIX MS281ISO.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

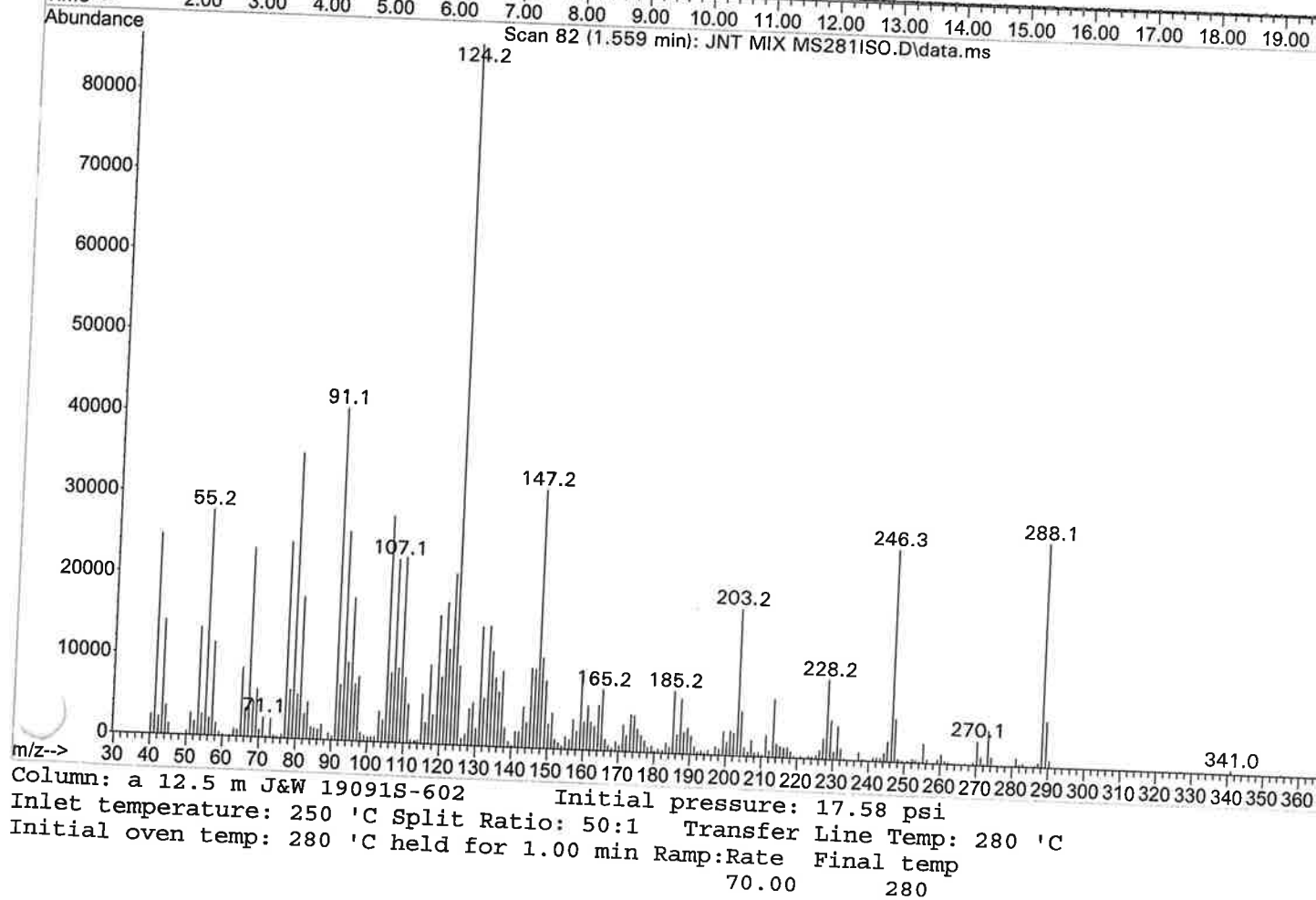
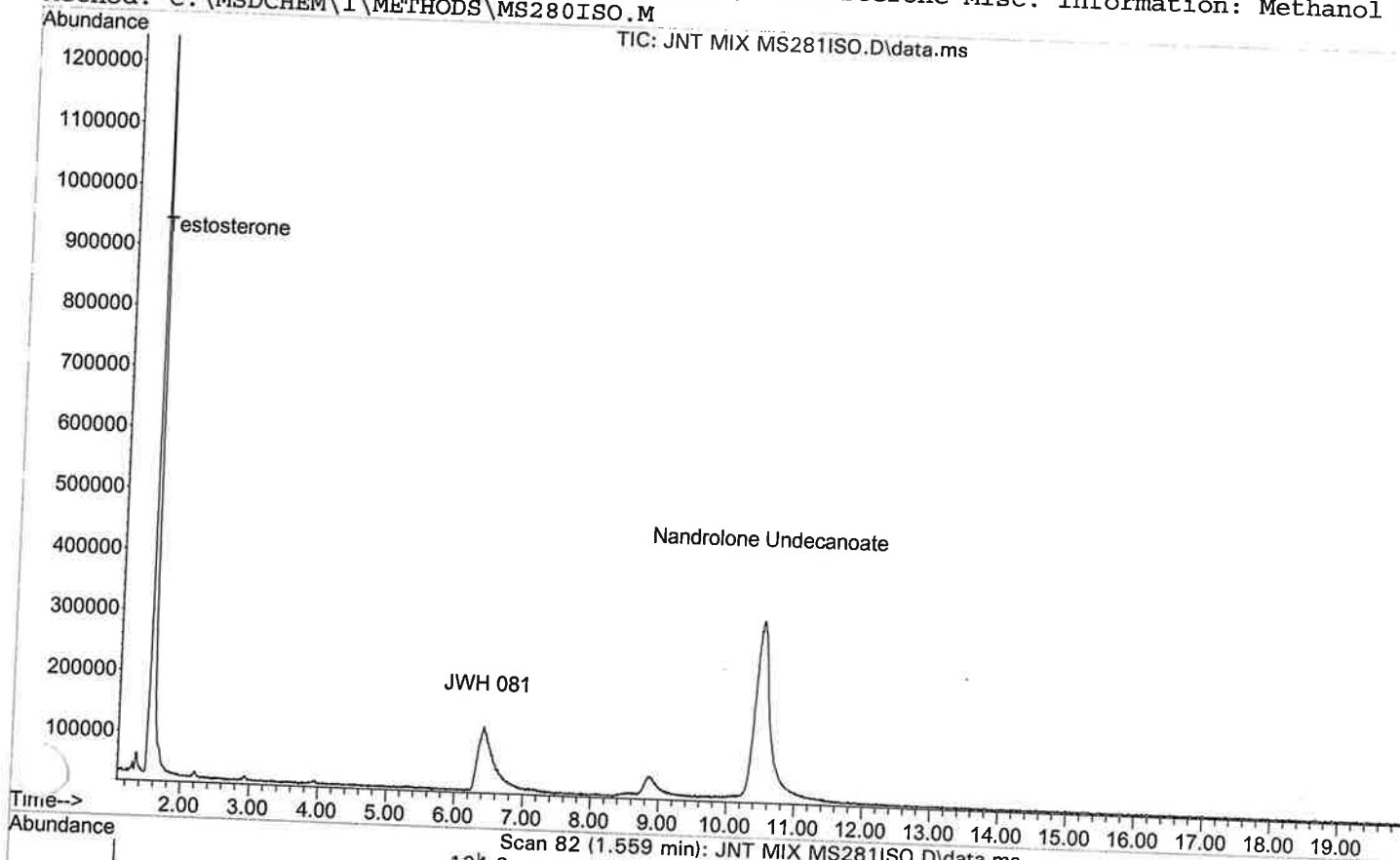
Tuned on 2 Oct 2014 12:03 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 10 Oct 2014 13:02

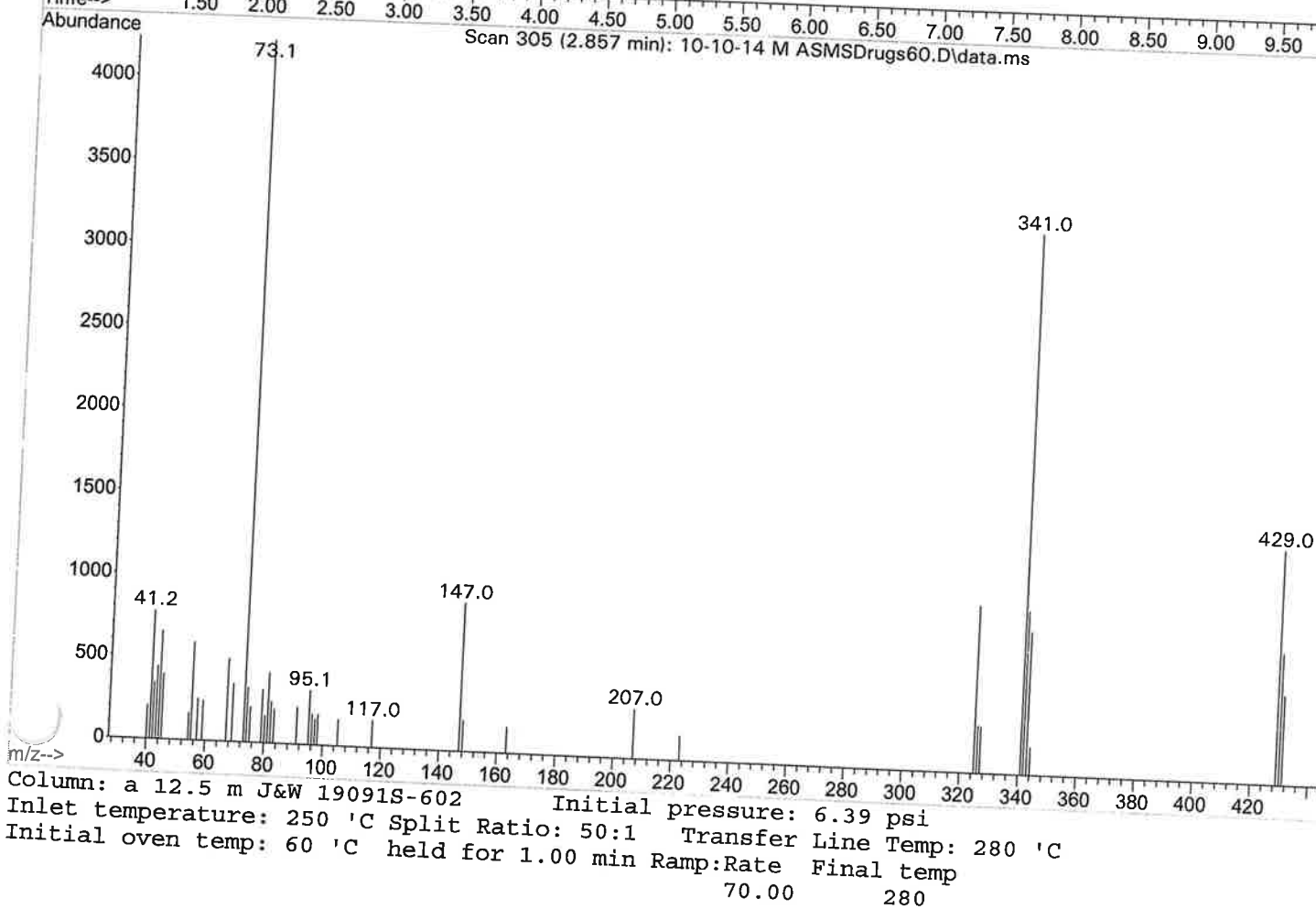
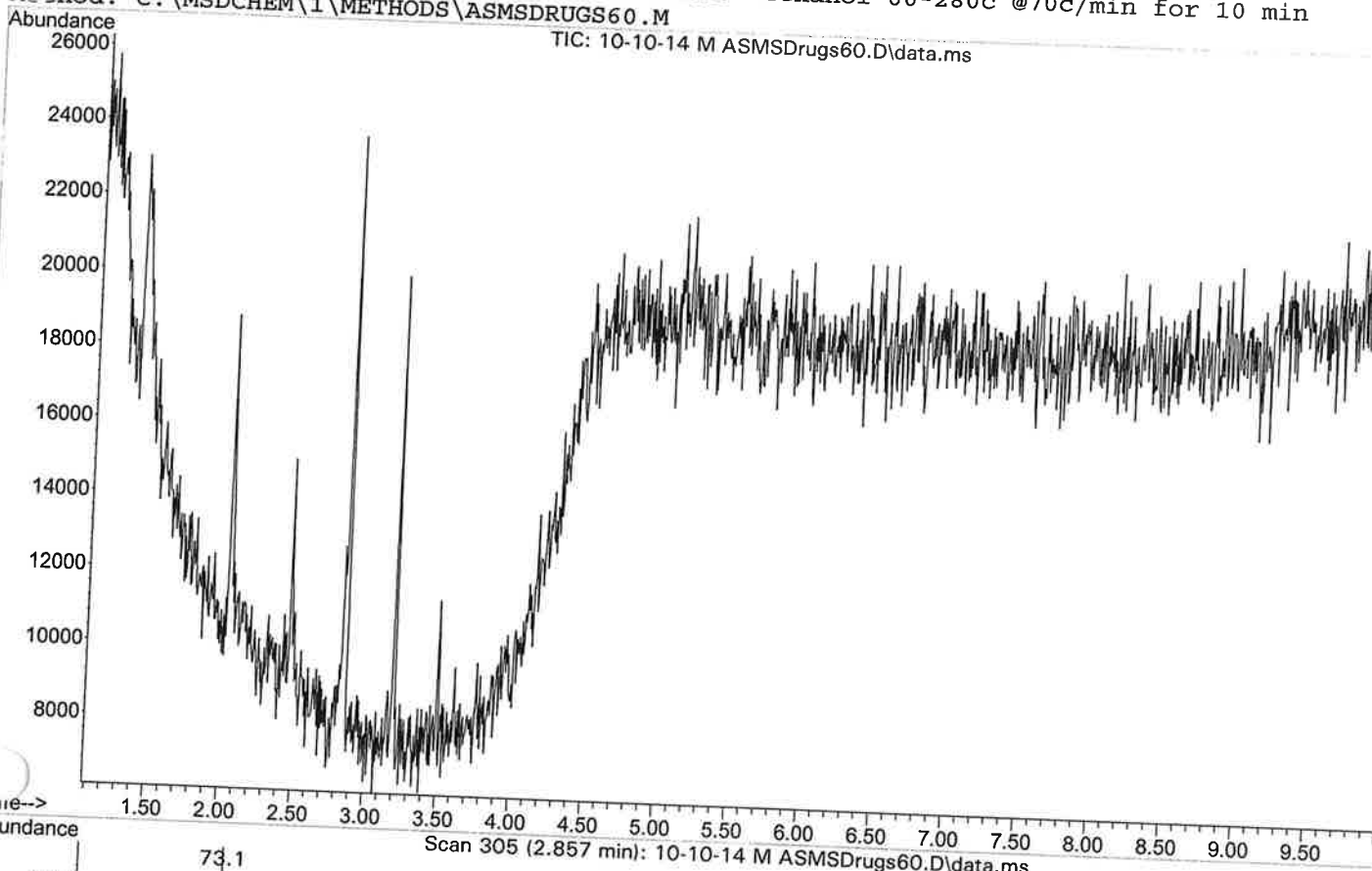
Information: JWH 081, Nandrolone undecanoate, Testosterone Misc. Information: Methanol 280c for

Method: C:\MSDCHEM\1\METHODS\MS280ISO.M

TIC: JNT MIX MS281ISO.D\data.ms



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 M ASMSDrugs60.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 19:51
Information: Methanol Blank Misc. Information: Methanol 60-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugs60 (2).D

Instrument: JAVA (model: 5973N Serial number: US44630695)

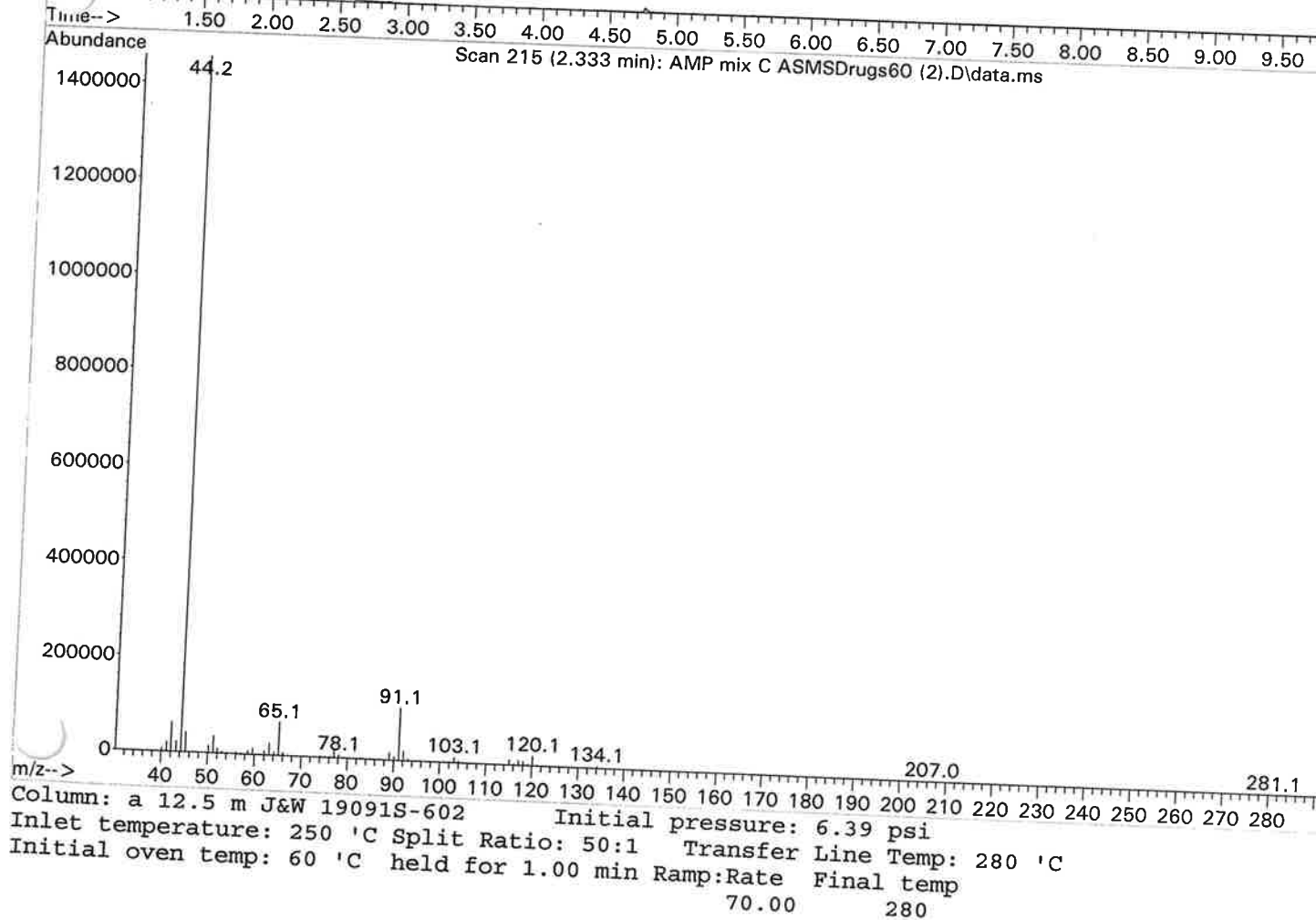
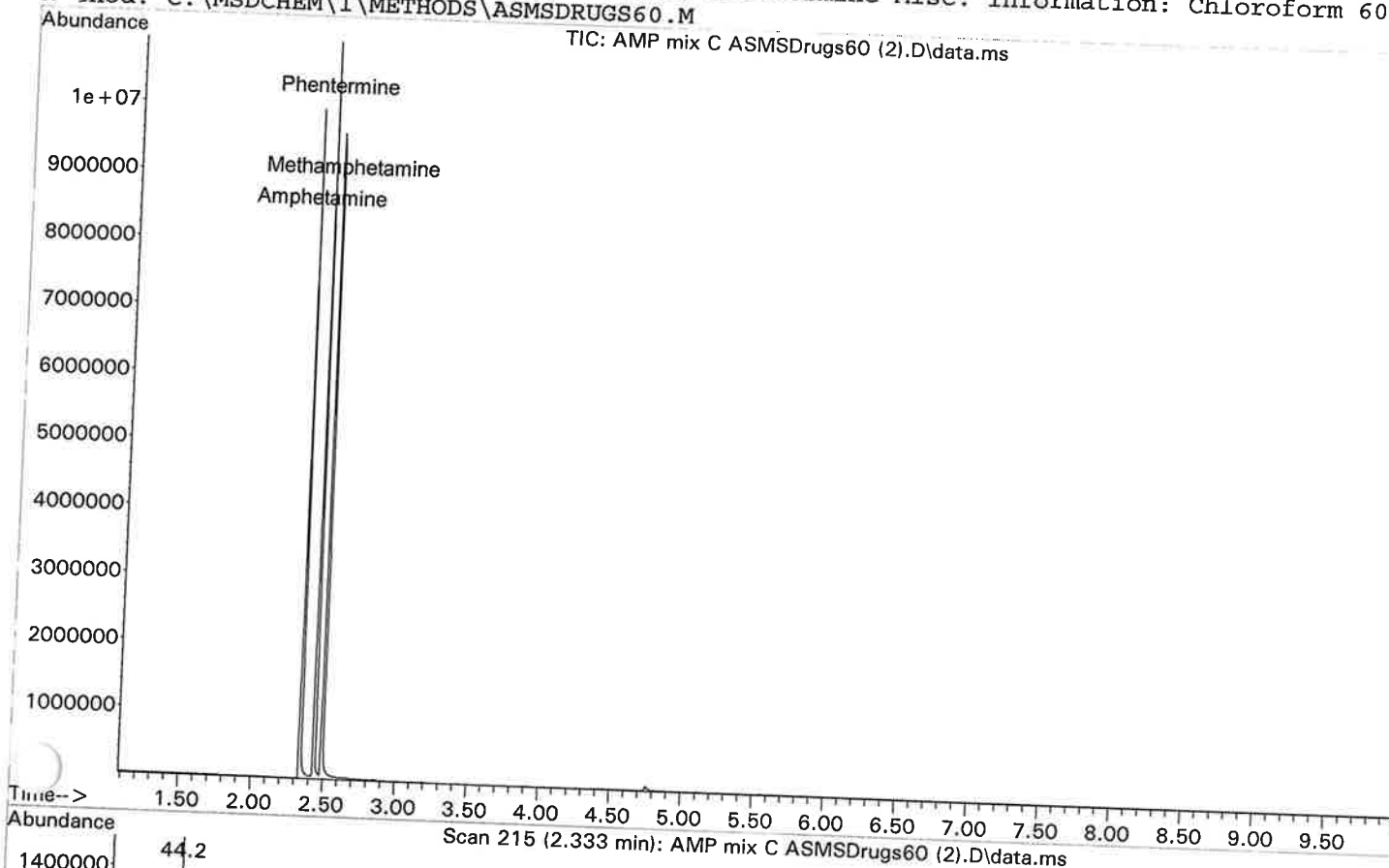
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 13 Oct 2014 12:37

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 60-280c @7

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M

TIC: AMP mix C ASMSDrugs60 (2).D\data.ms



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugs60 (2).D

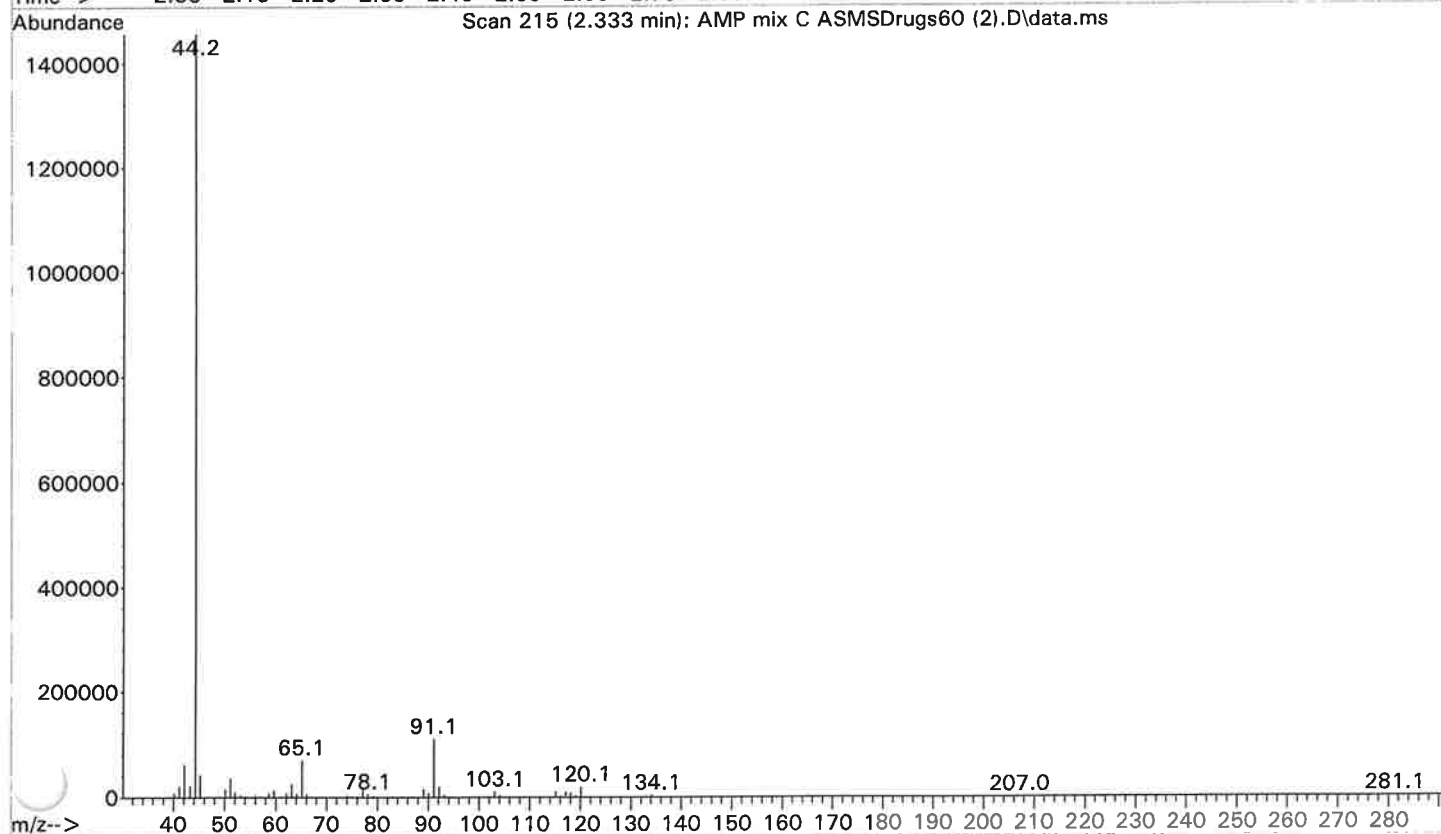
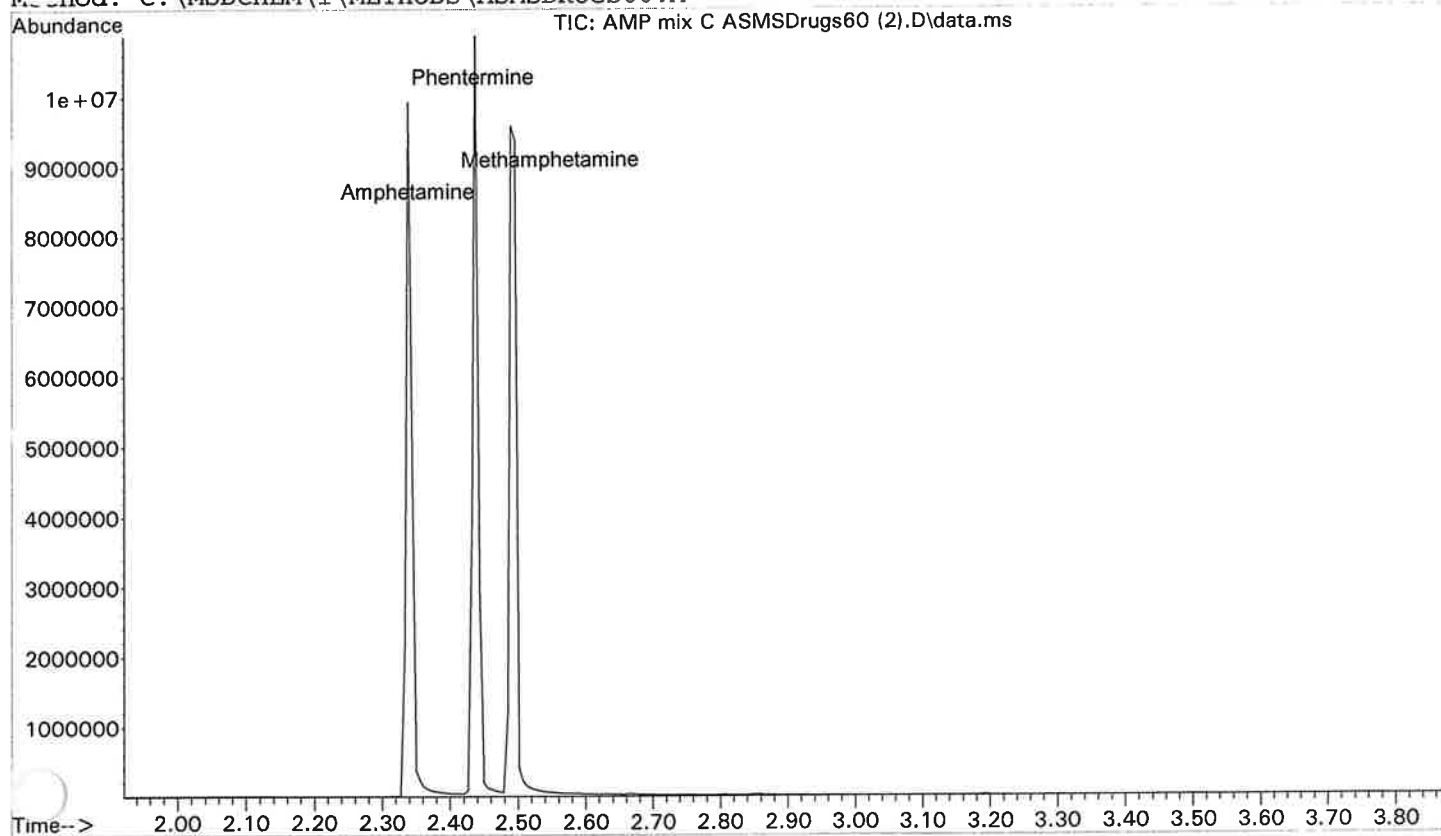
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 13 Oct 2014 12:37

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 60-280c @7

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 6.39 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugs60.D

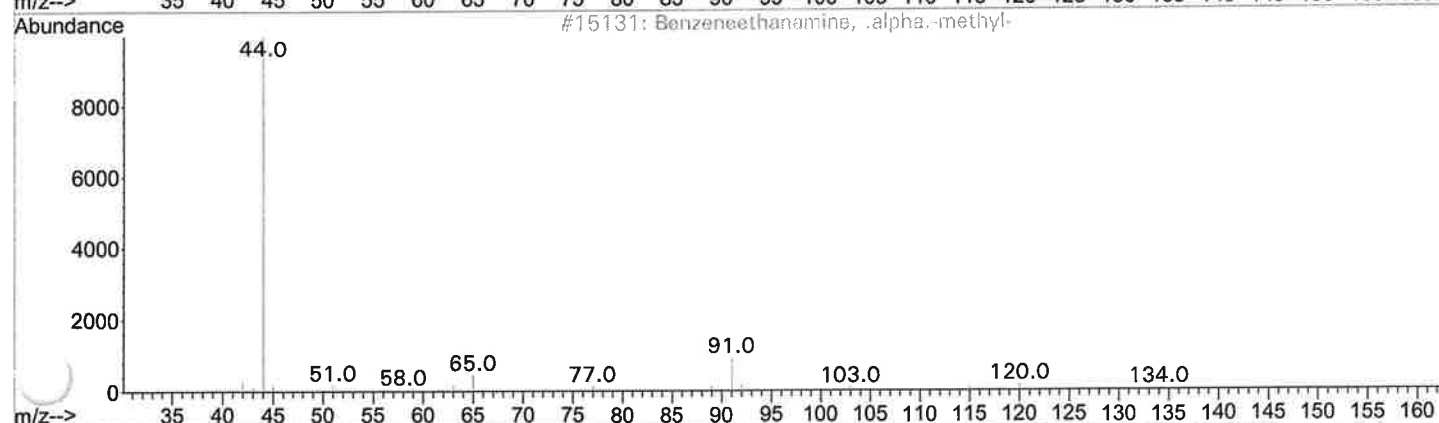
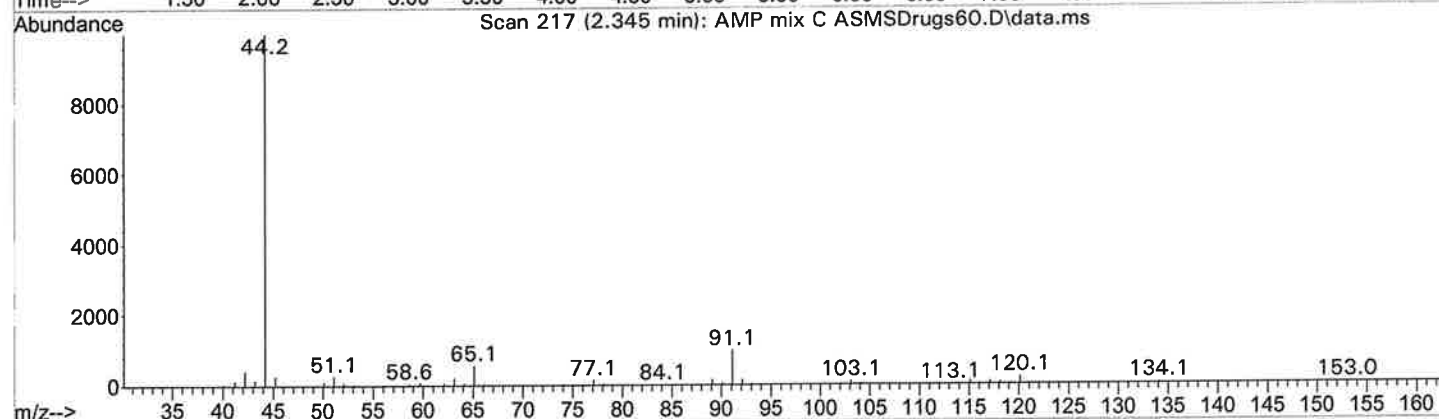
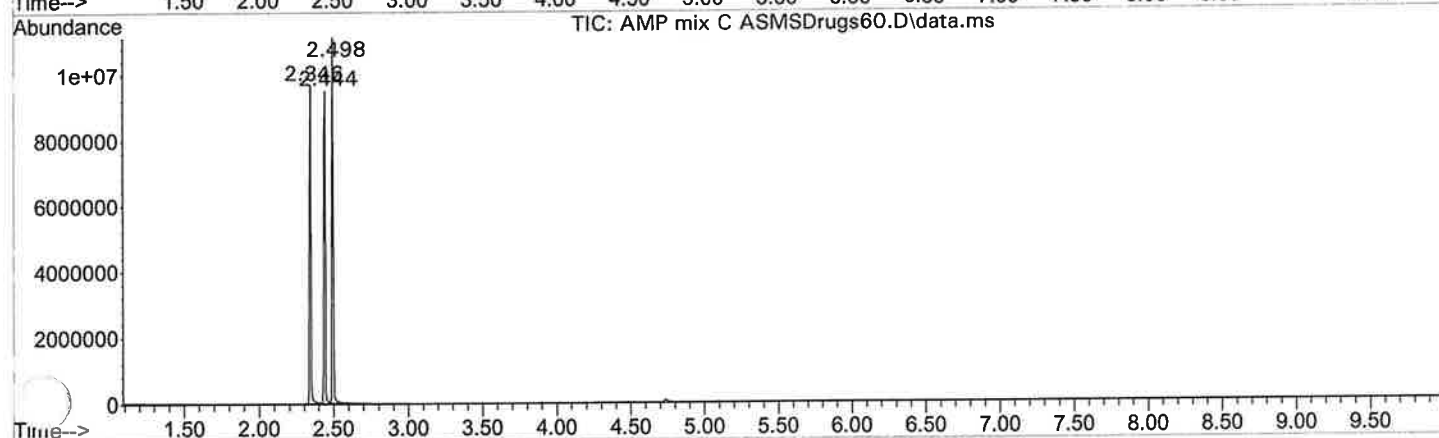
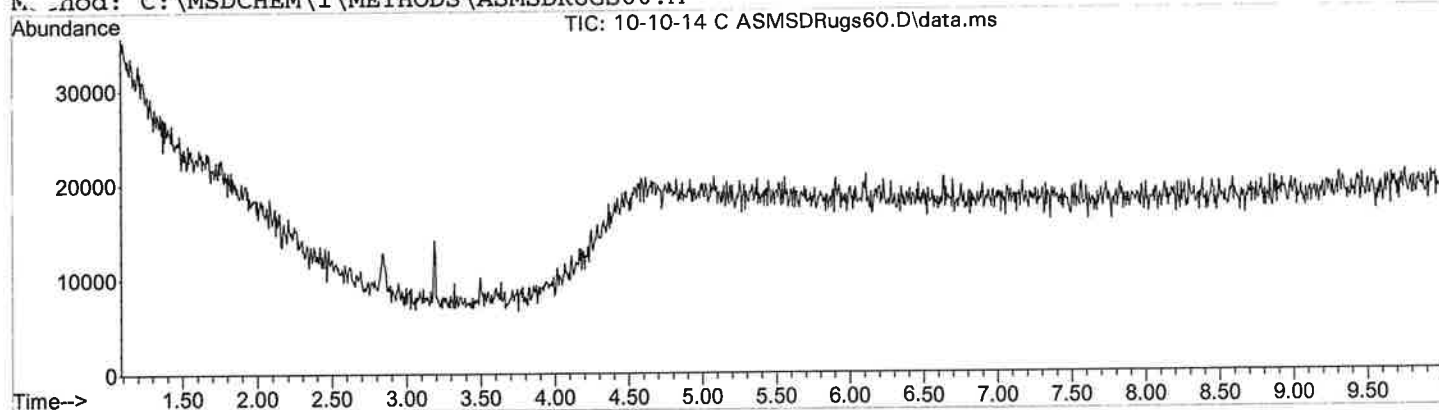
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 19:34

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 60-280c @7

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 6.39 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix ASMSDrugs60.D

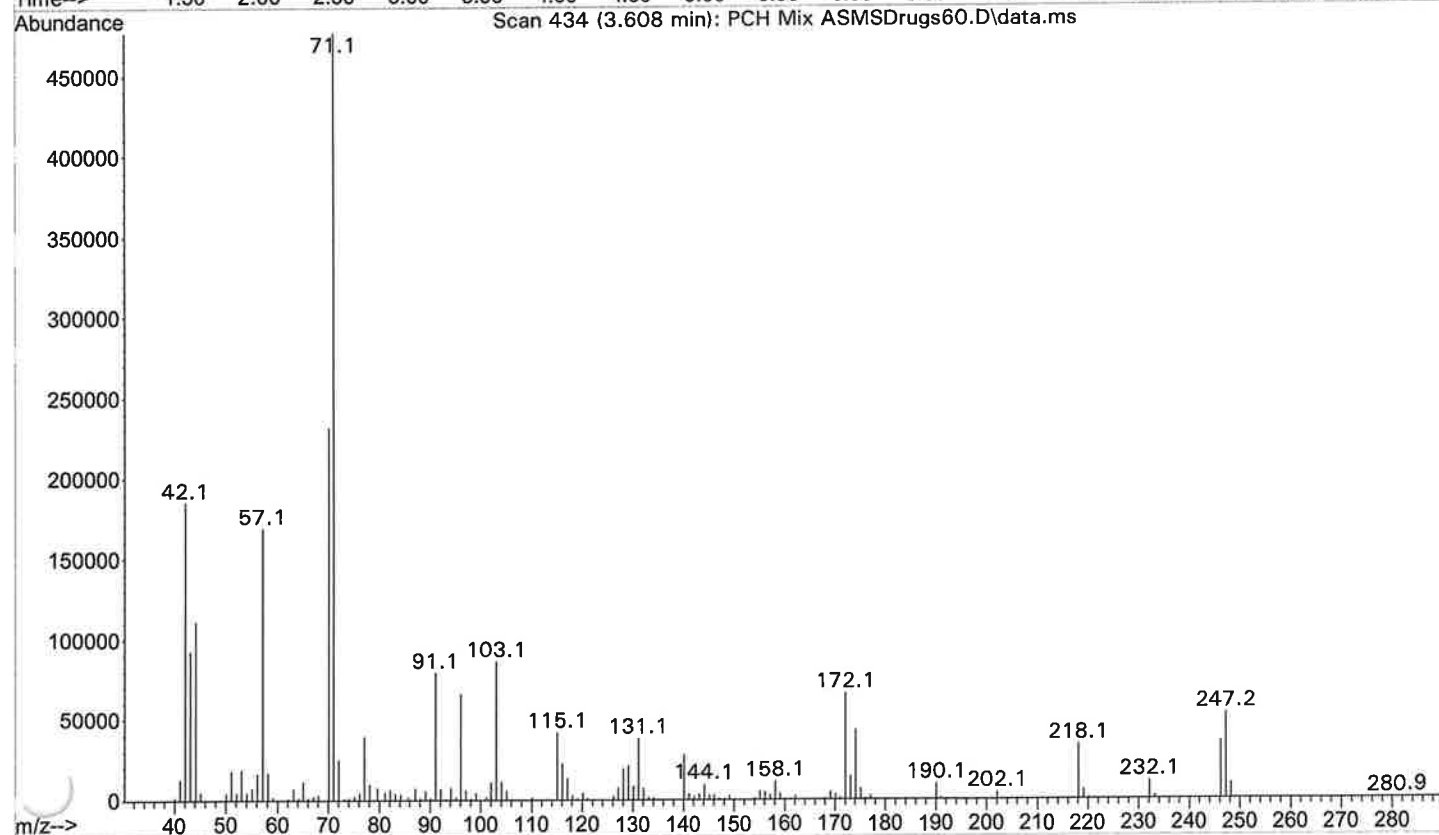
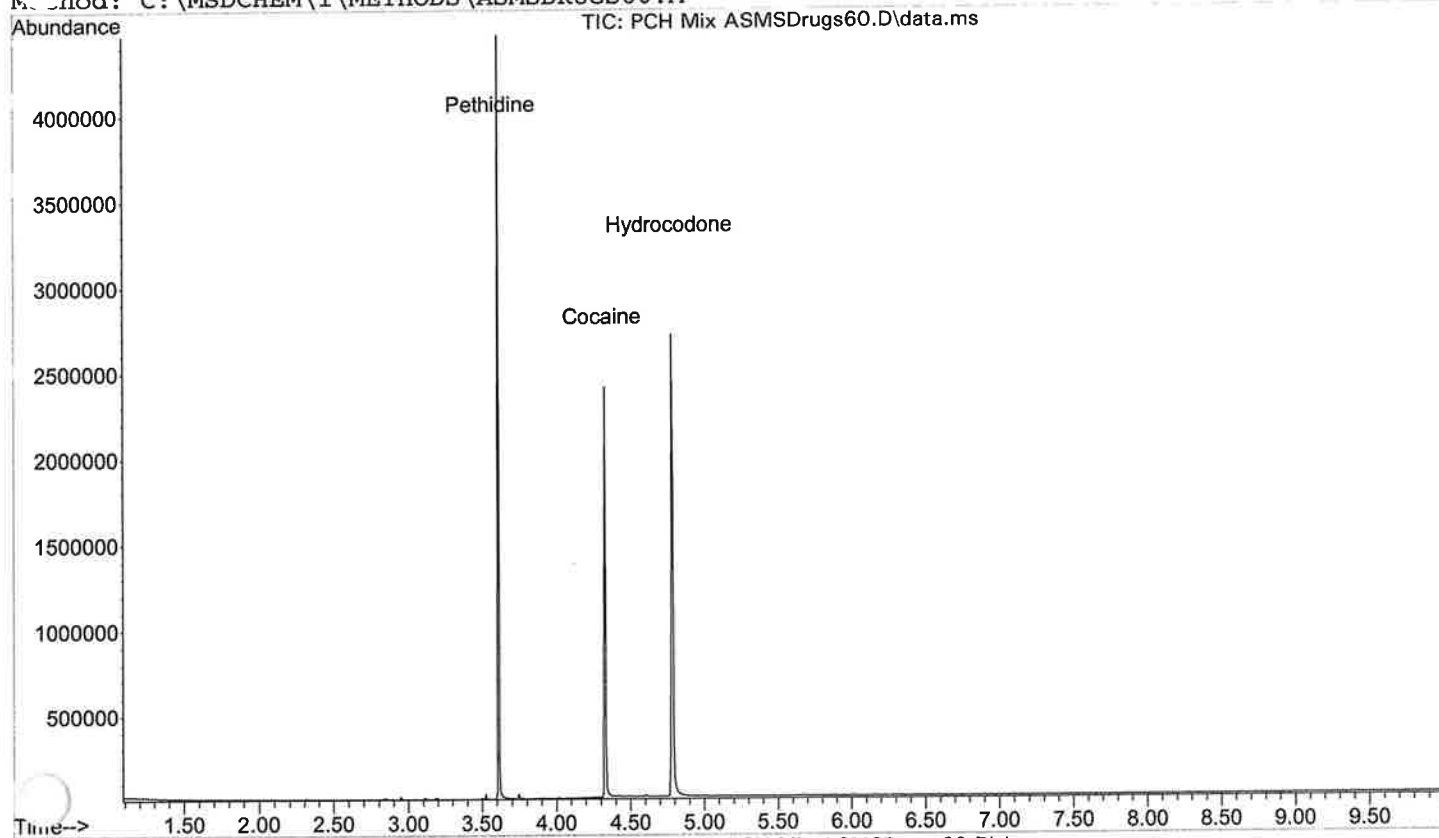
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 20:07

Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 60-280c @70c/min for 1

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 6.39 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 C ASMSDRugs60.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

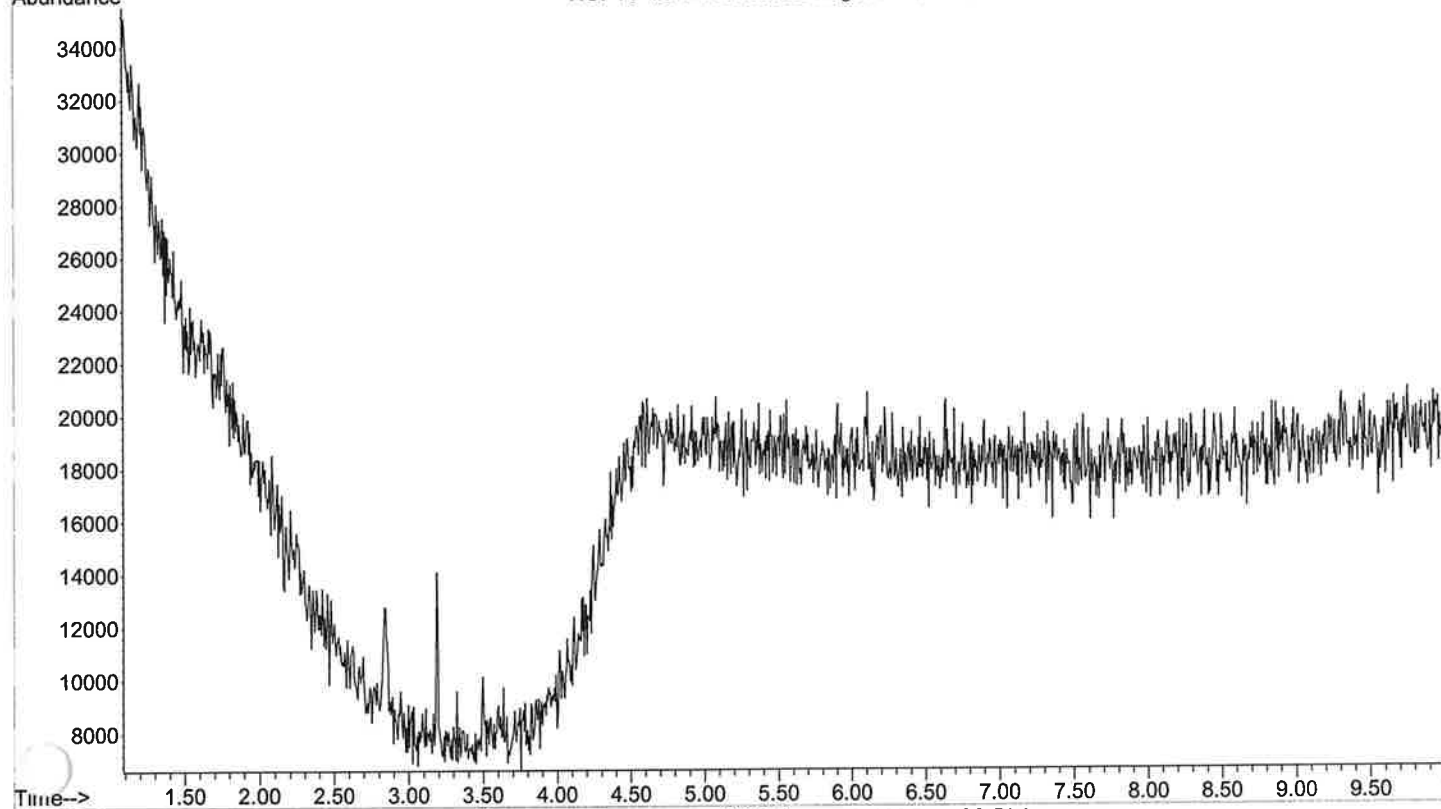
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 19:18

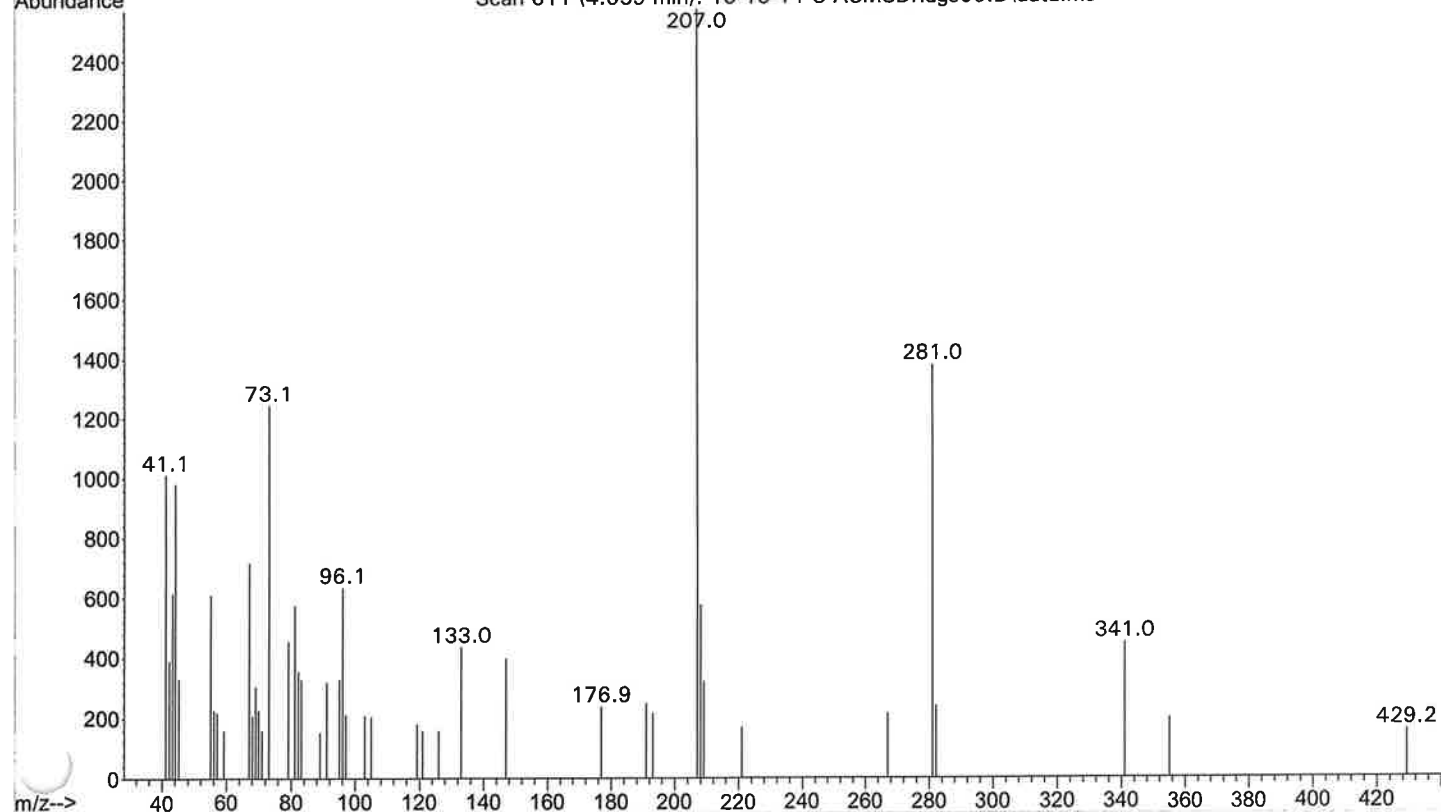
Information: Chloroform Blank Misc. Information: Chloroform 60-280c @70c/min for 10 min

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS60.M

Abundance TIC: 10-10-14 C ASMSDRugs60.D\data.ms



Abundance Scan 611 (4.639 min): 10-10-14 C ASMSDRugs60.D\data.ms



Column: a 12.5 m J&W 19091S-602 Initial pressure: 6.39 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 60 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 M ASMSDrugs100.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

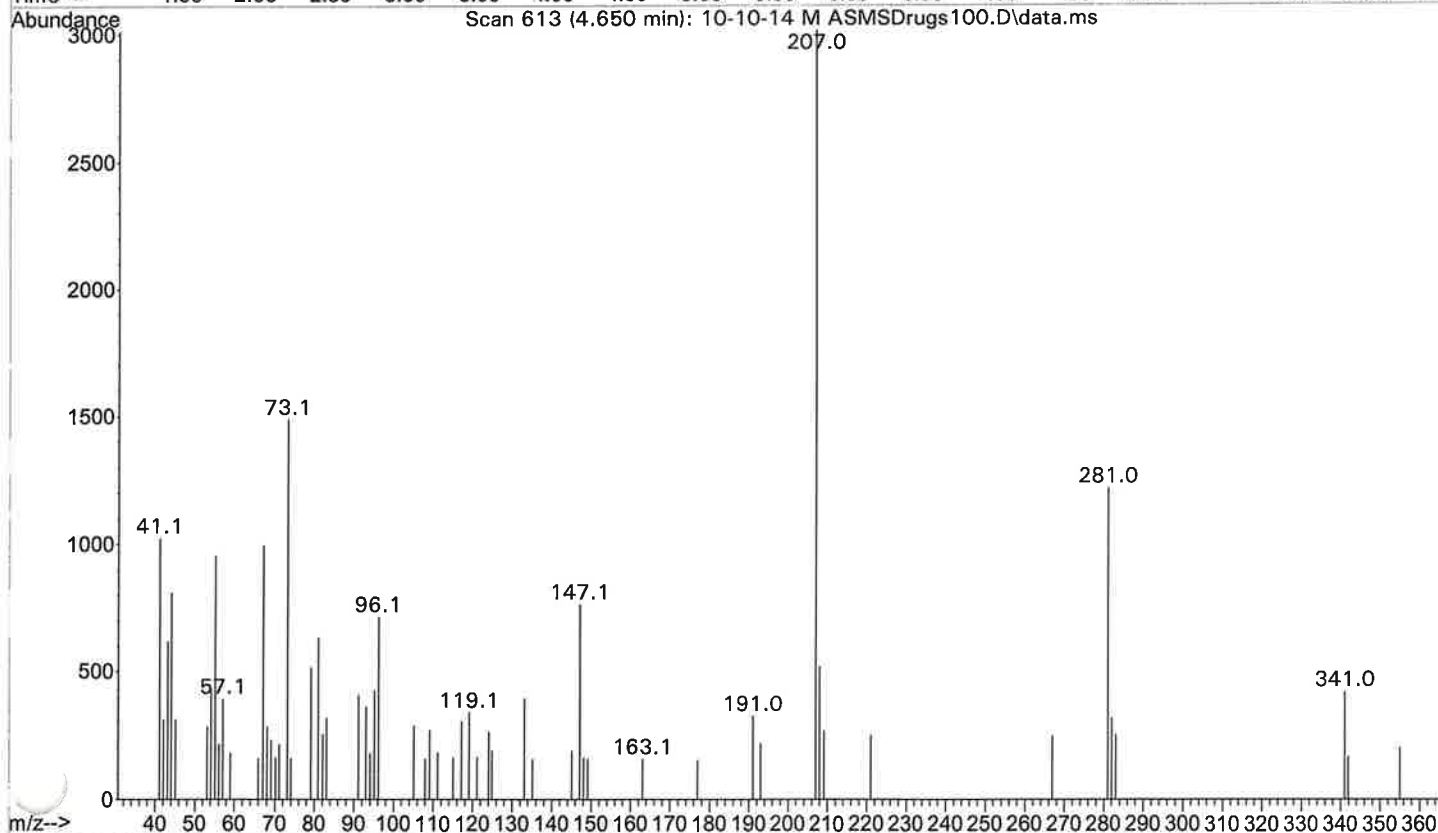
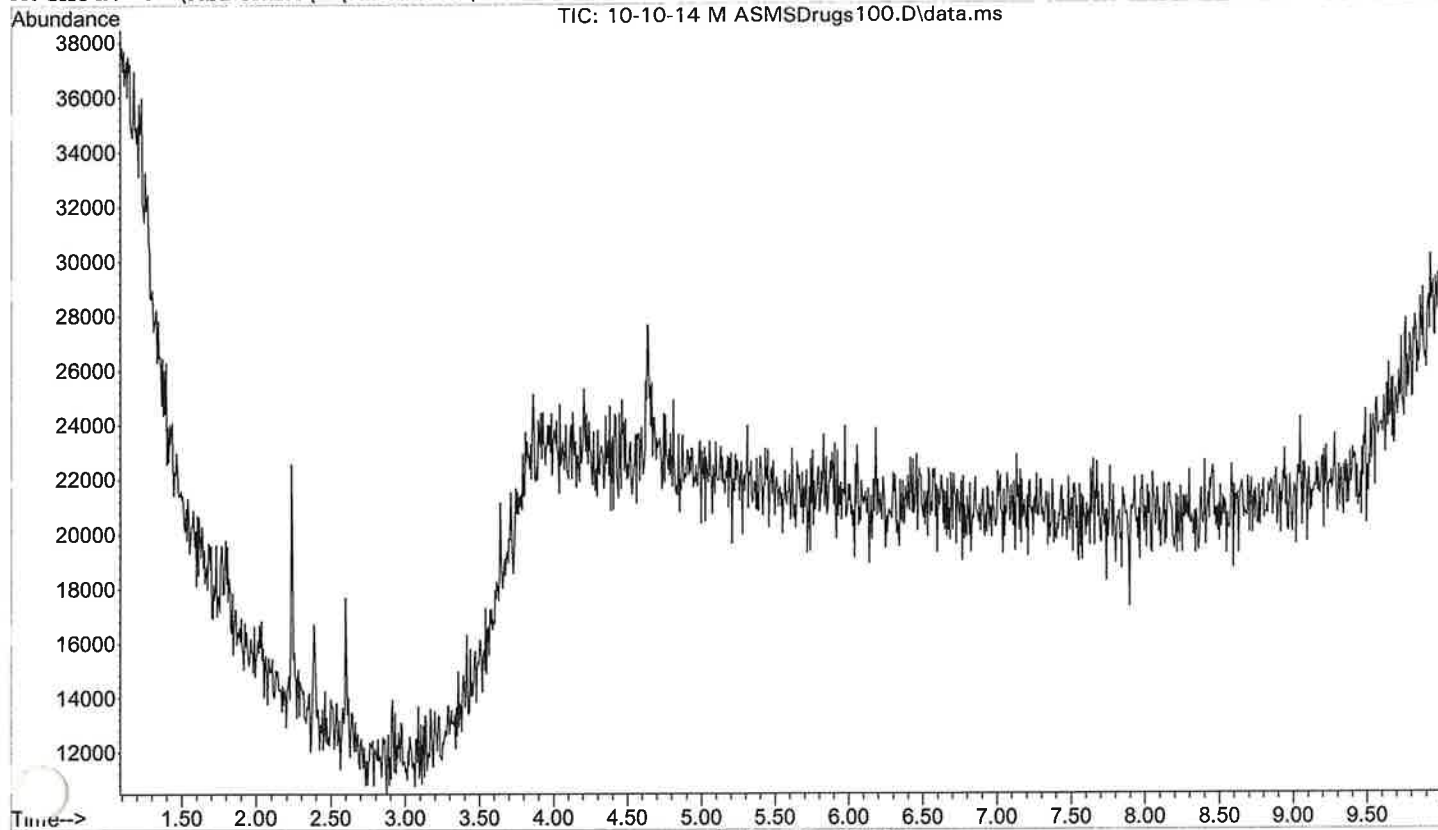
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 21:37

Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 10 min

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M

TIC: 10-10-14 M ASMSDrugs100.D\data.ms



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

ASMSDrugs
100

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugs100 (2).D

Instrument: JAVA (model: 5973N Serial number: US44630695)

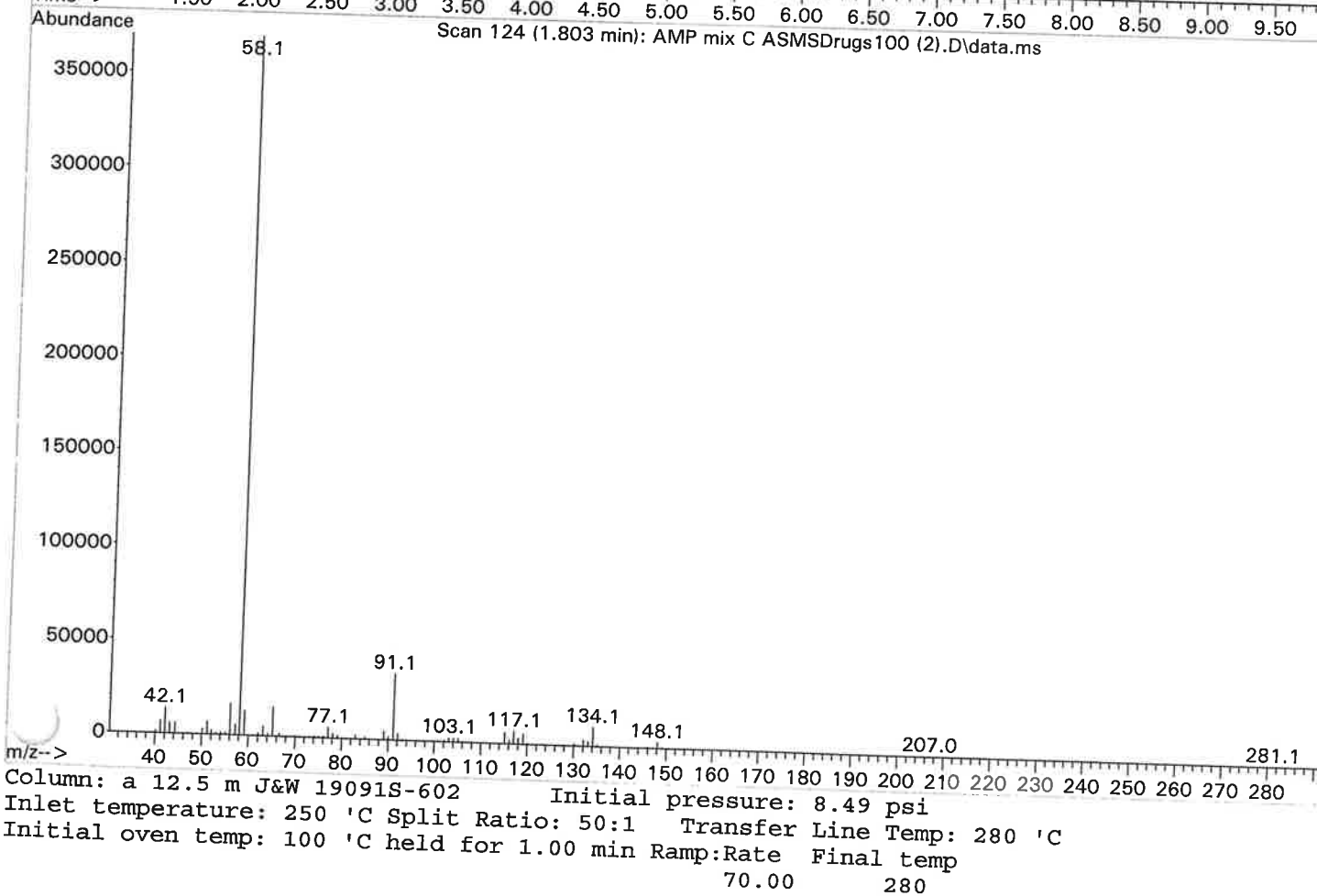
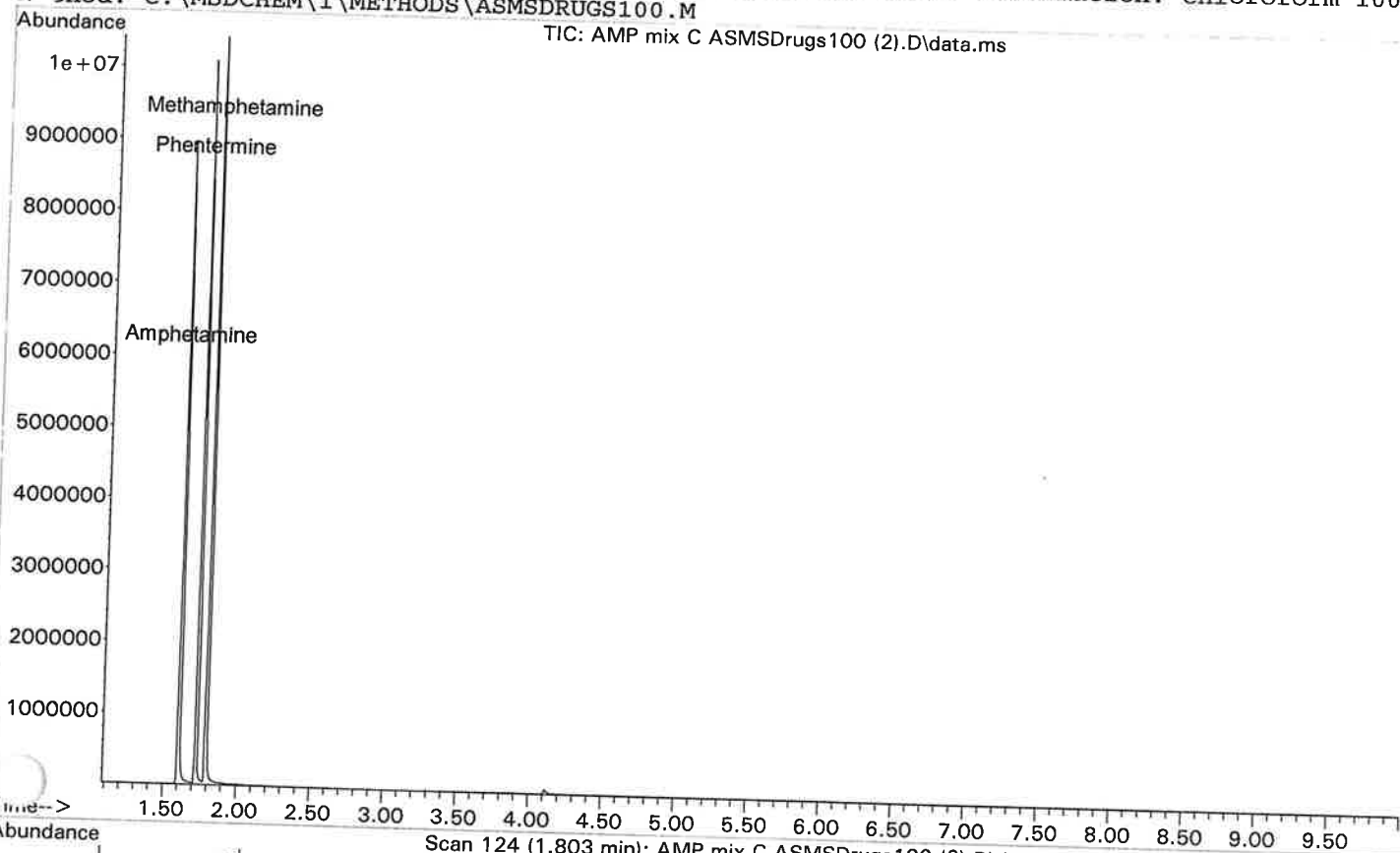
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 13 Oct 2014 13:06

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M

TIC: AMP mix C ASMSDrugs100 (2).D\data.ms



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugs100 (2).D

Instrument: JAVA (model: 5973N Serial number: US44630695)

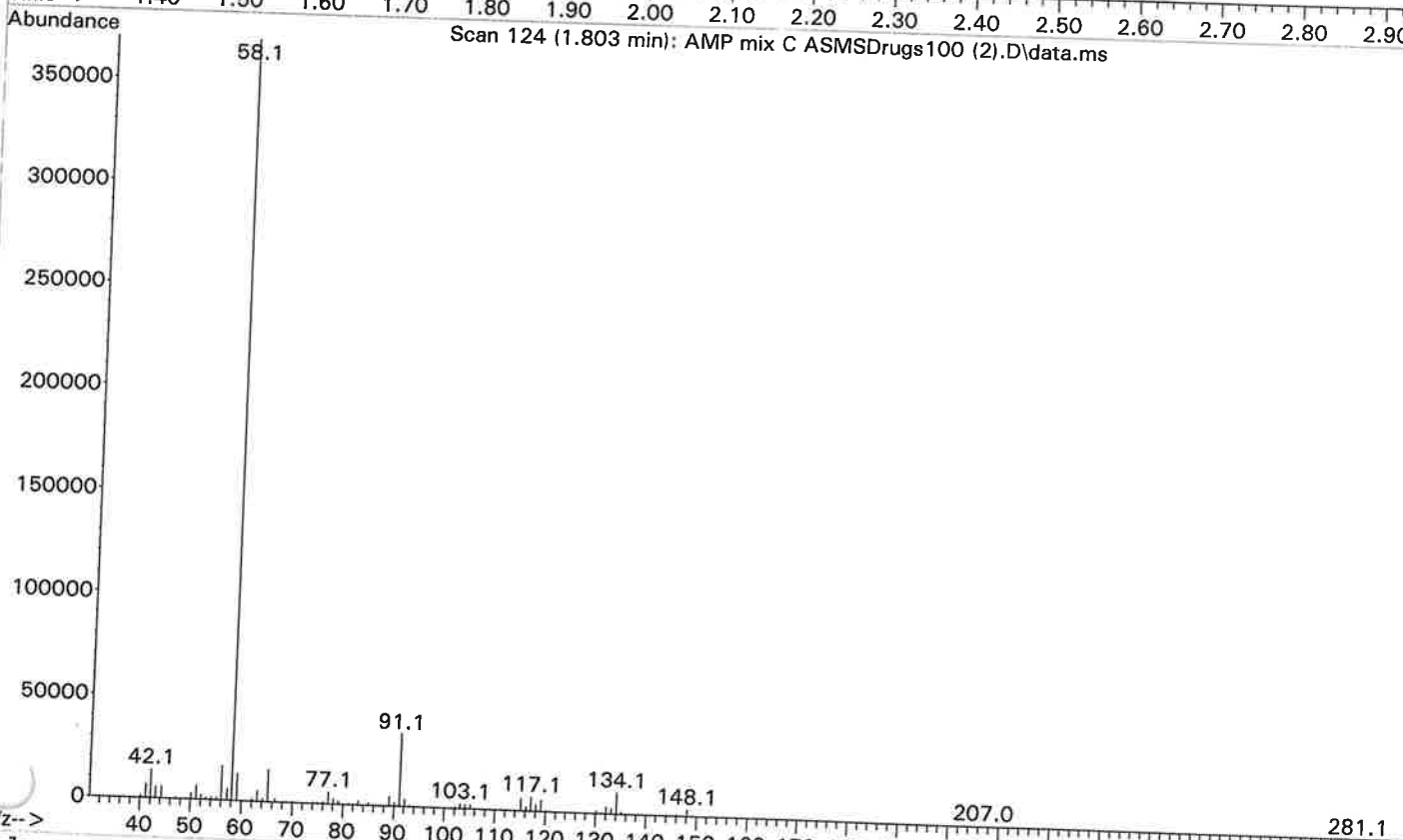
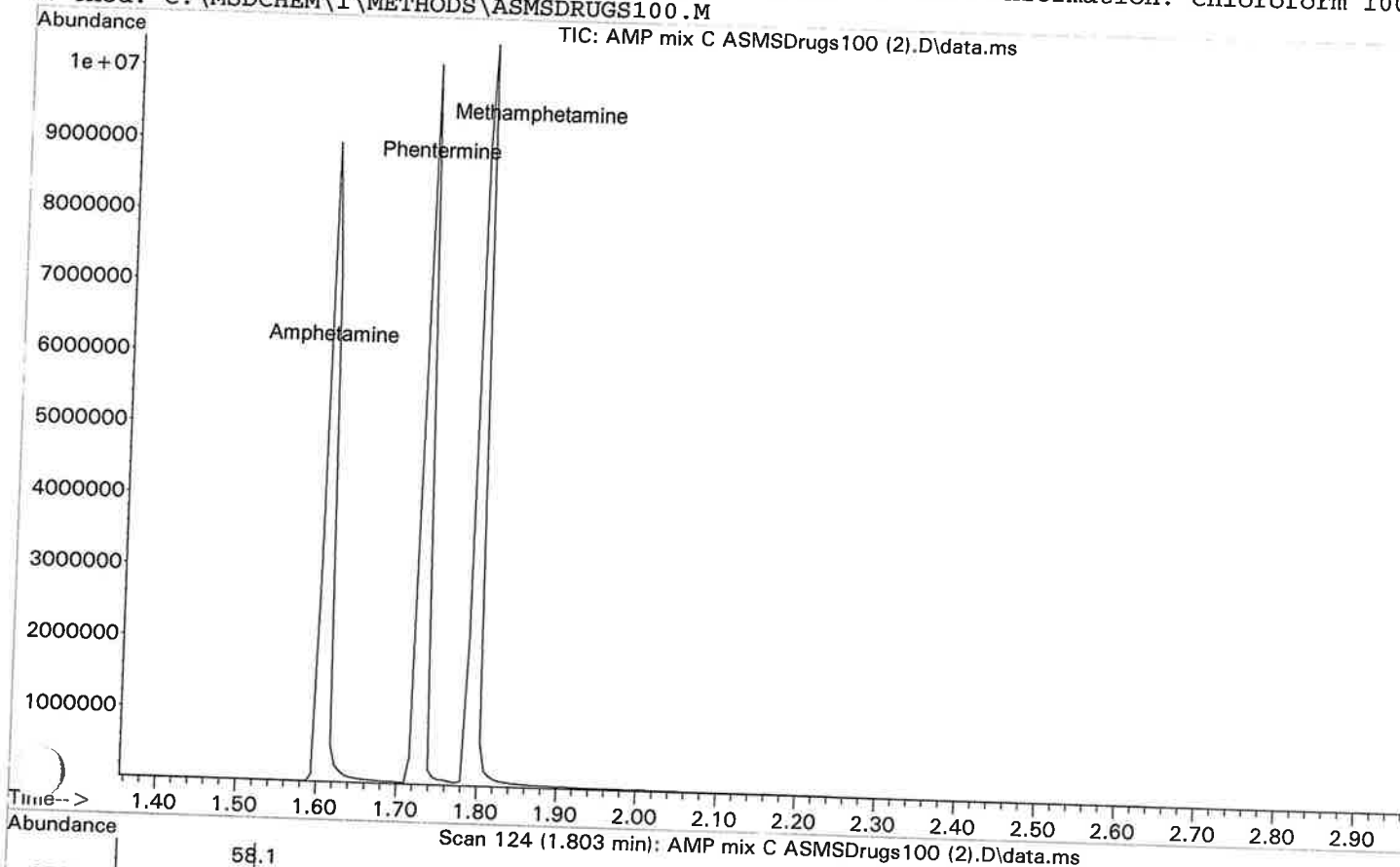
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 13 Oct 2014 13:06

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M

TIC: AMP mix C ASMSDrugs100 (2).D\data.ms



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

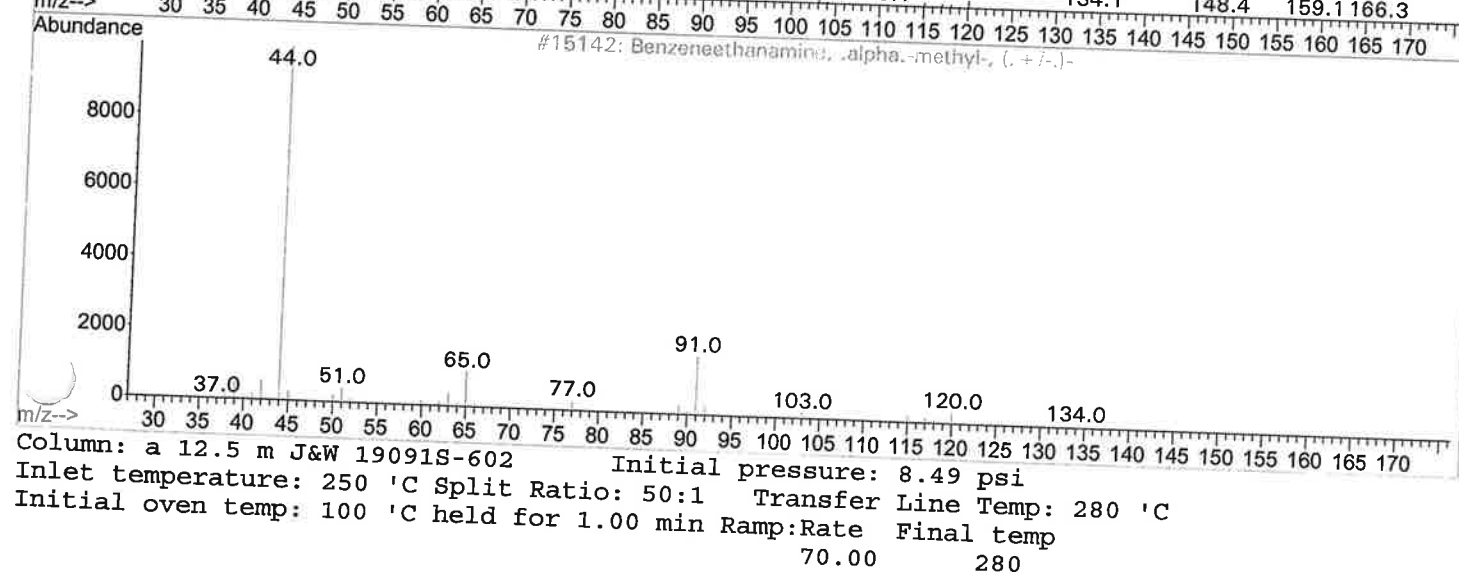
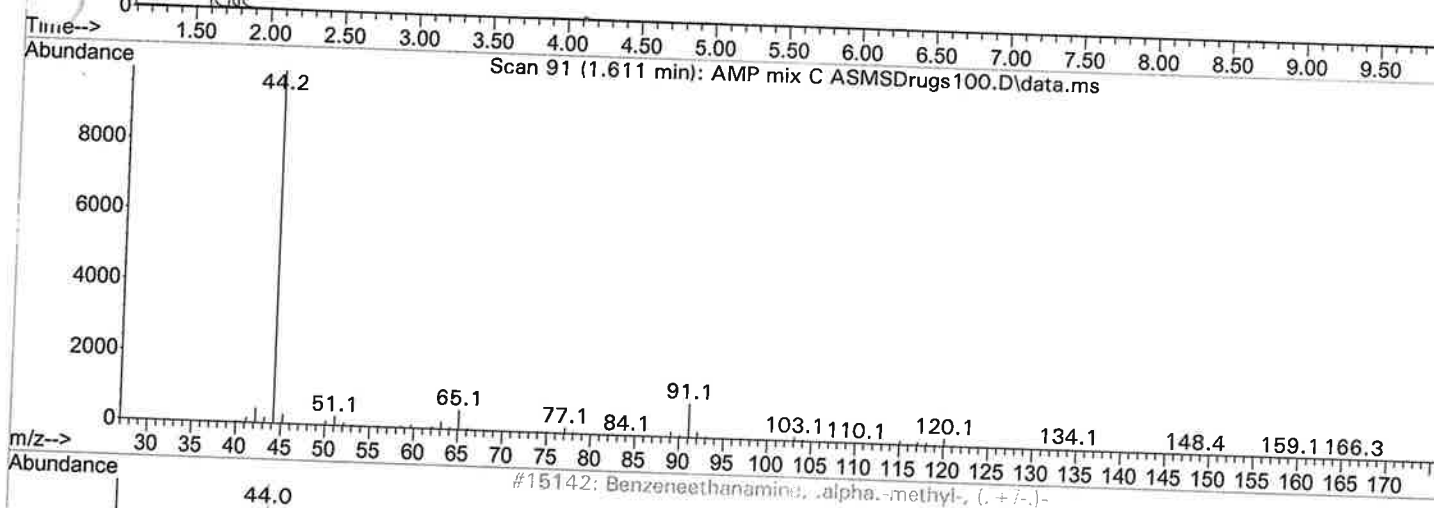
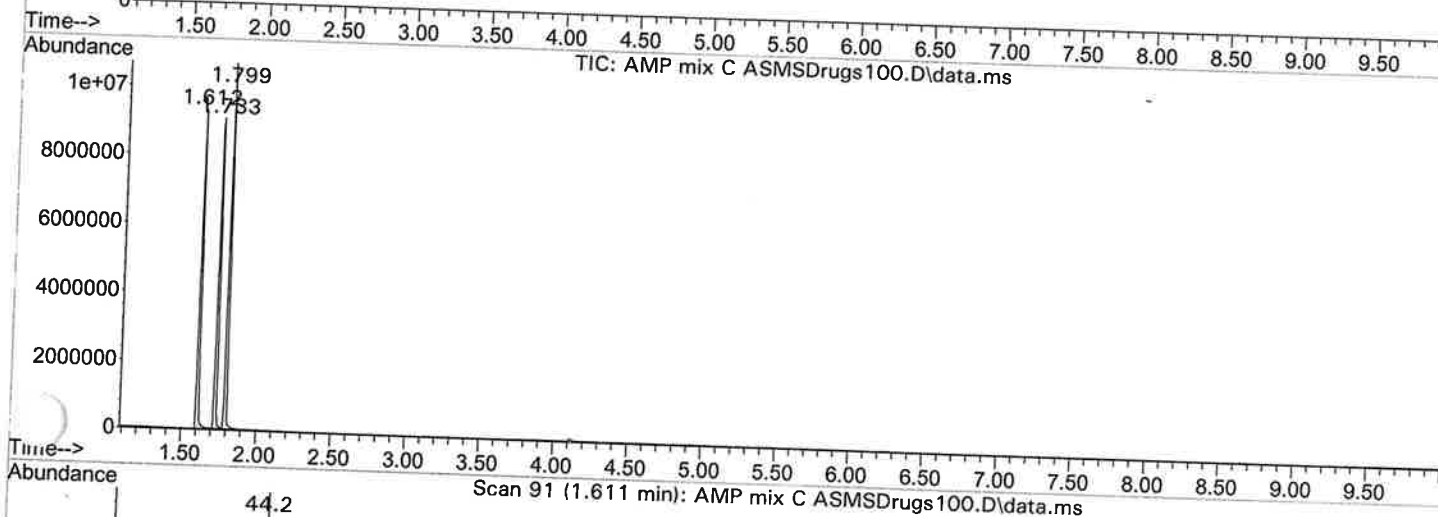
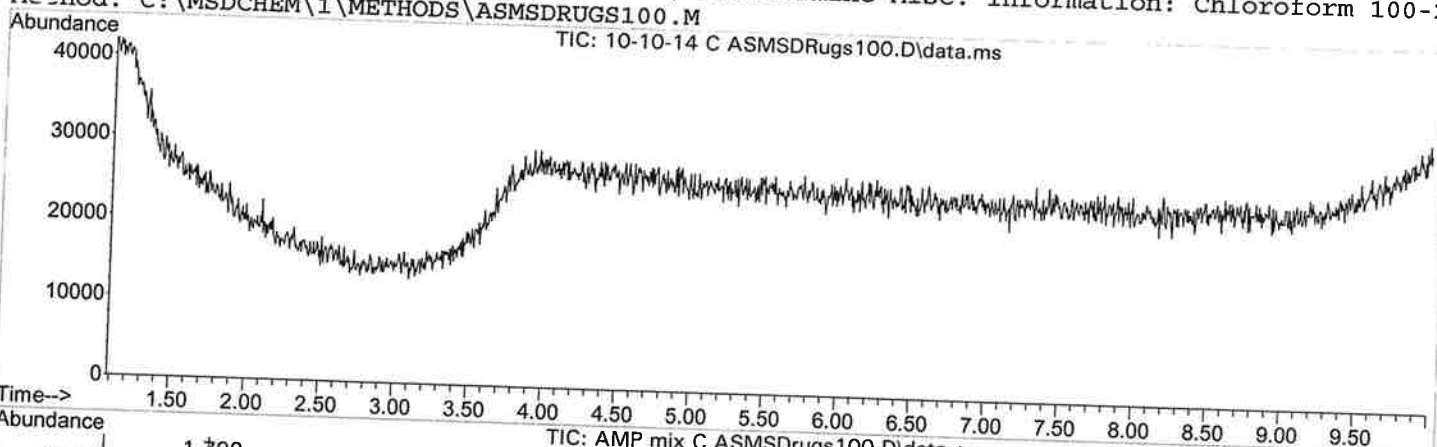
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

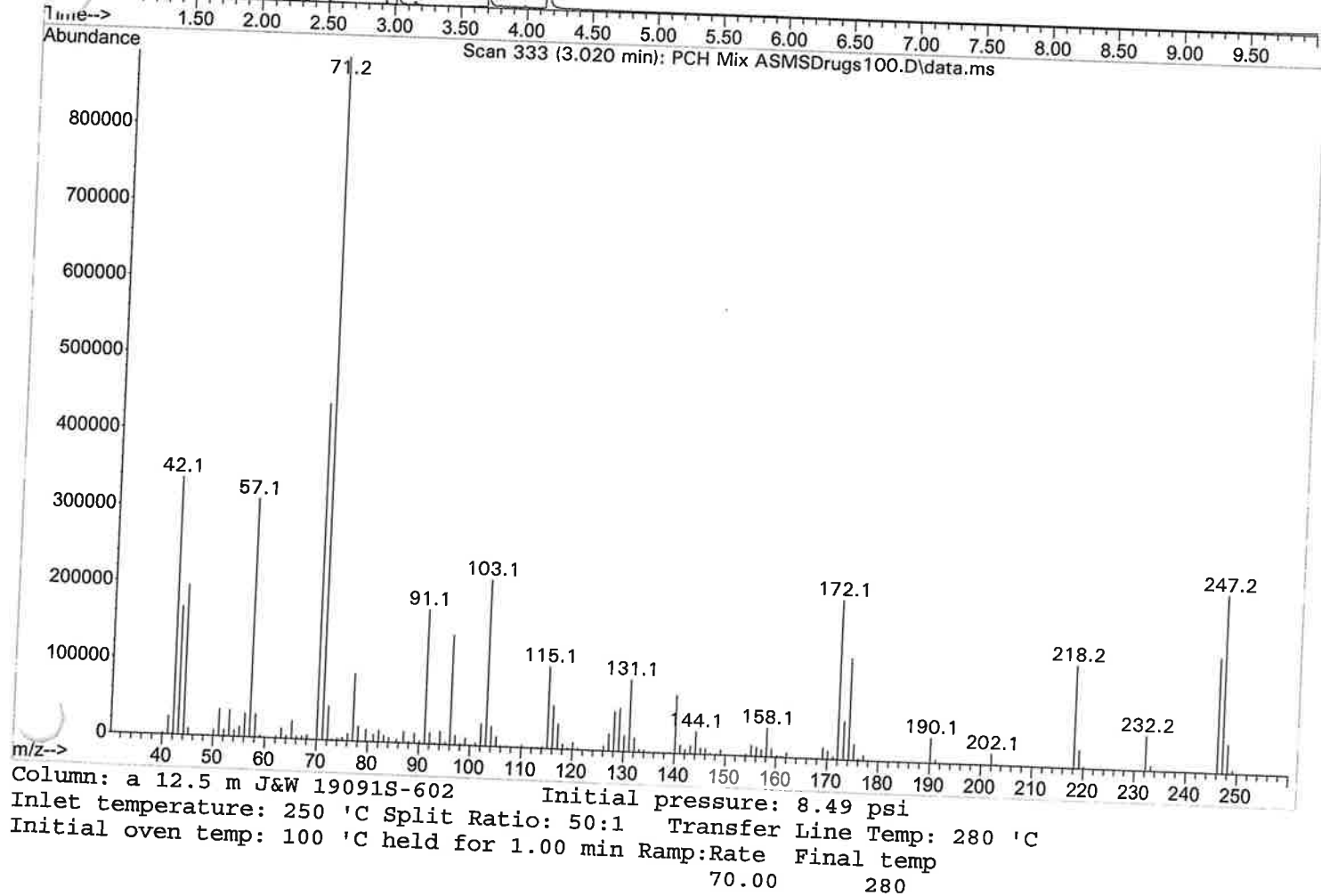
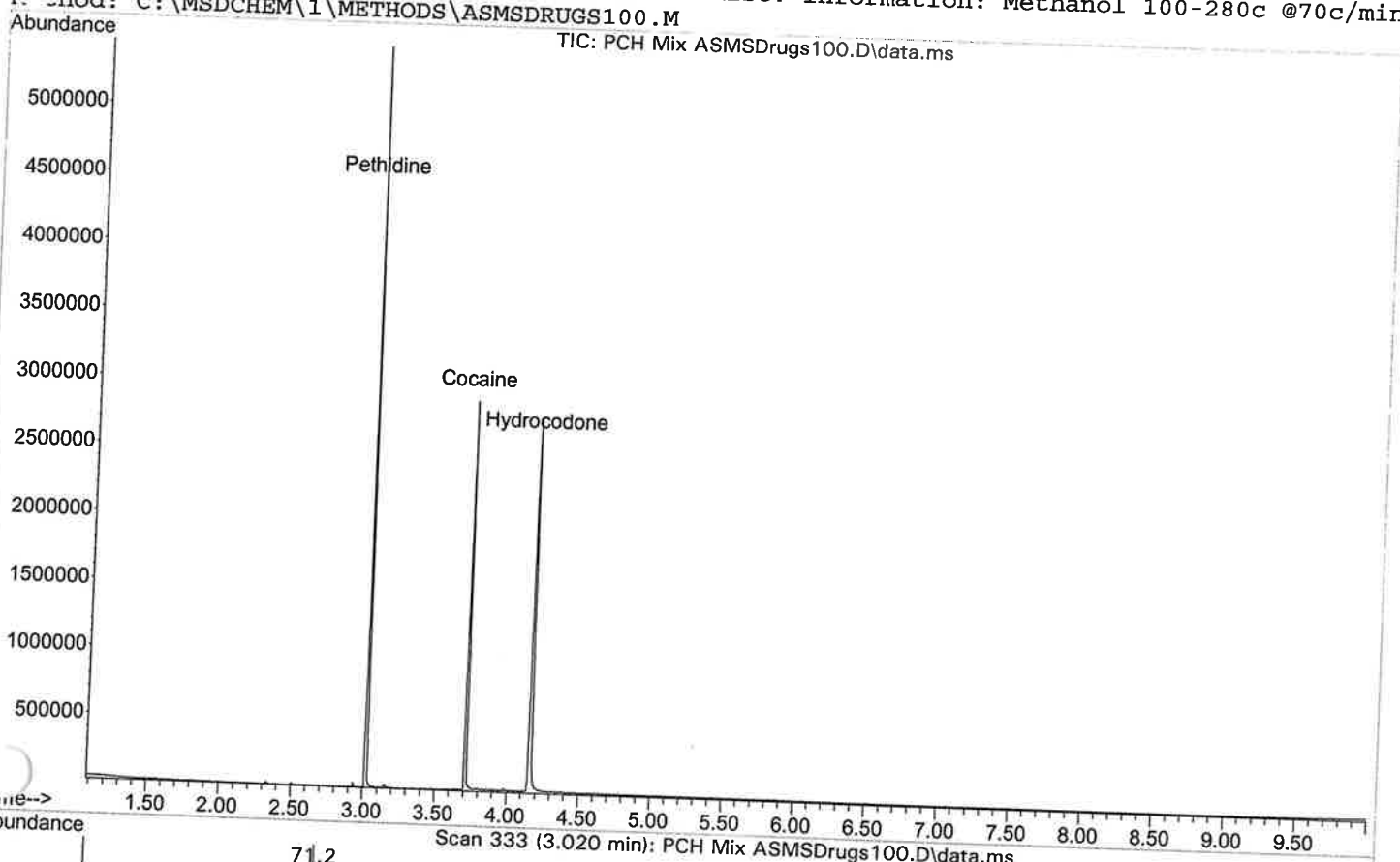
280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugs100.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 21:23
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M

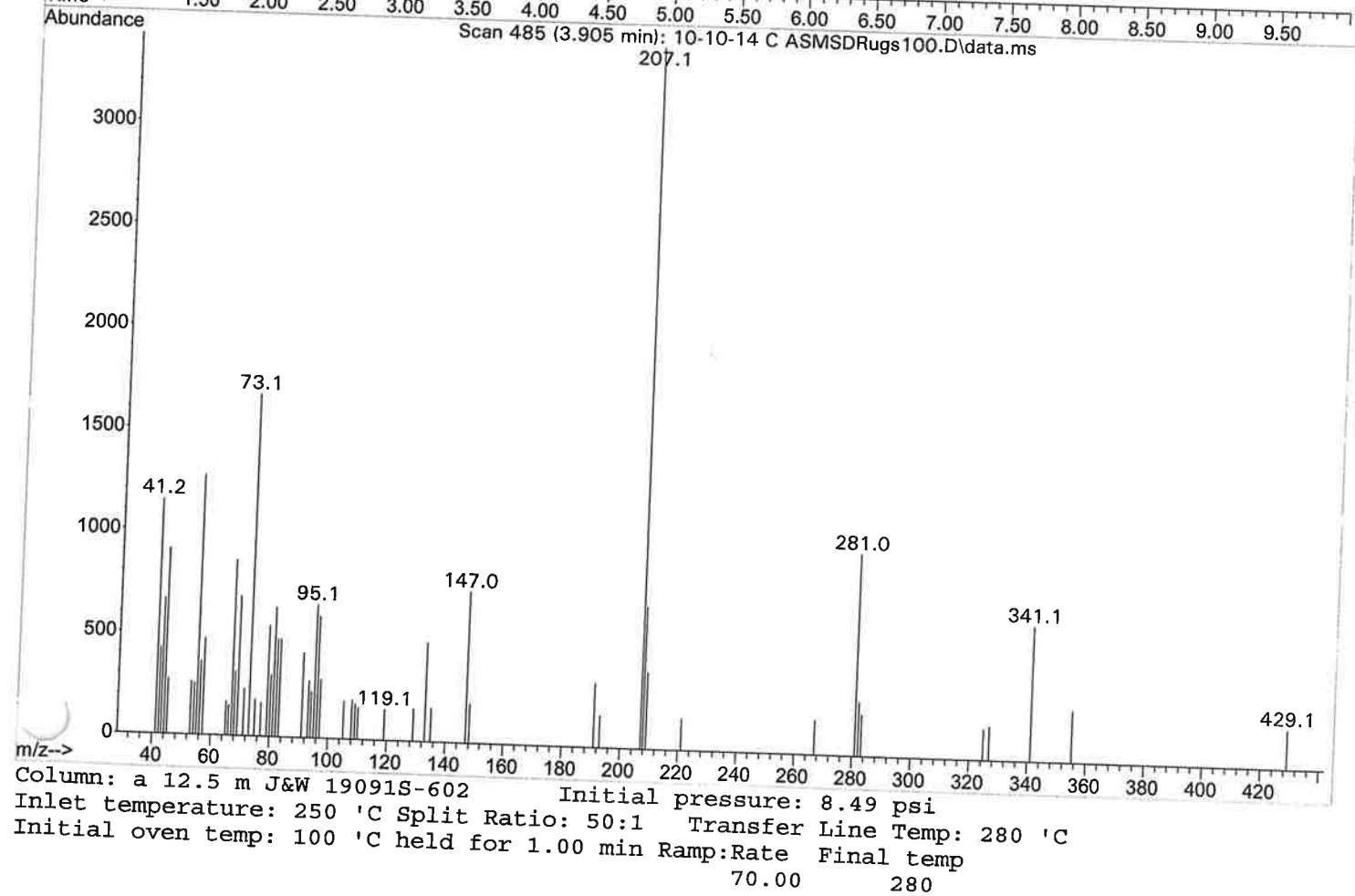
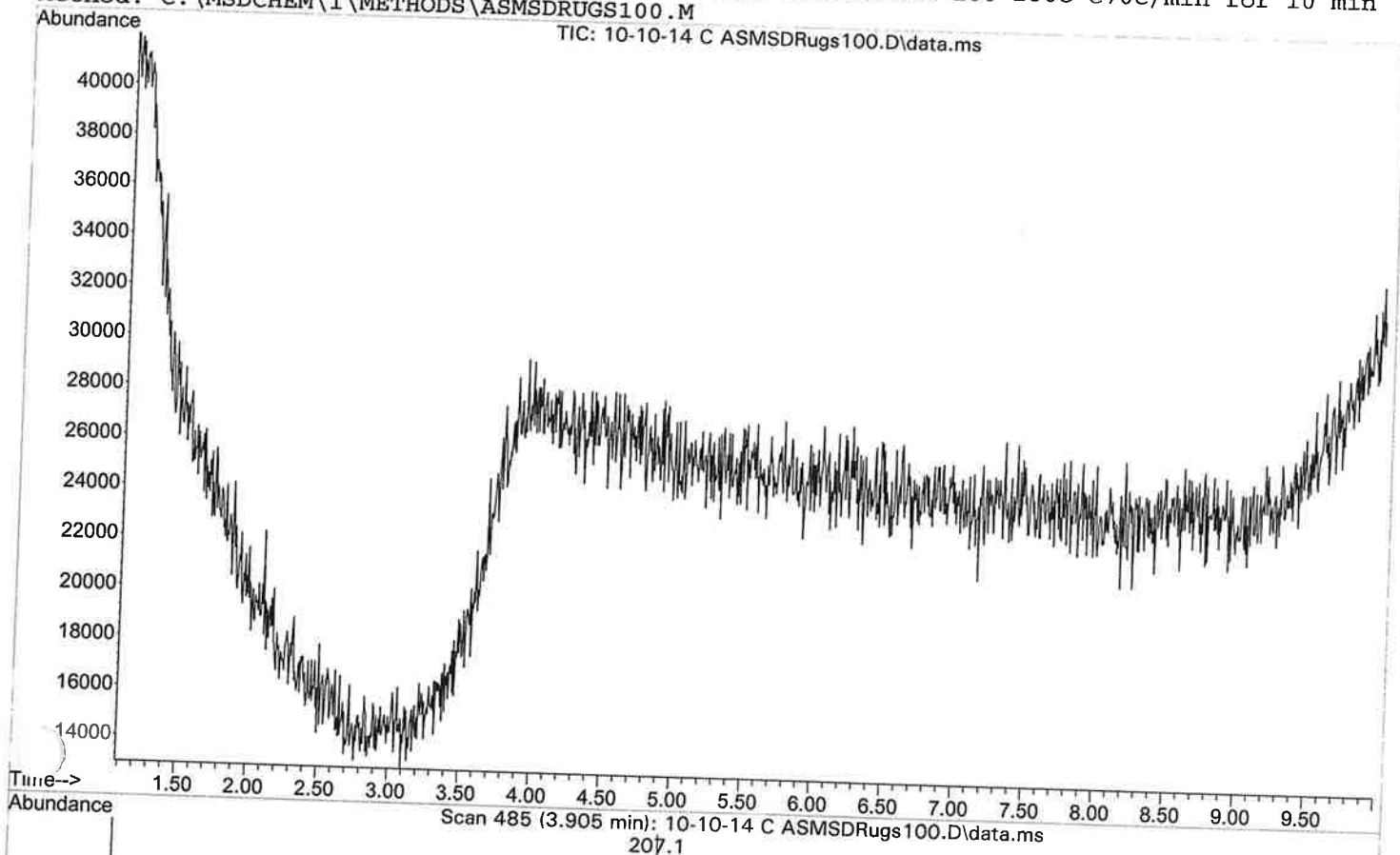


Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

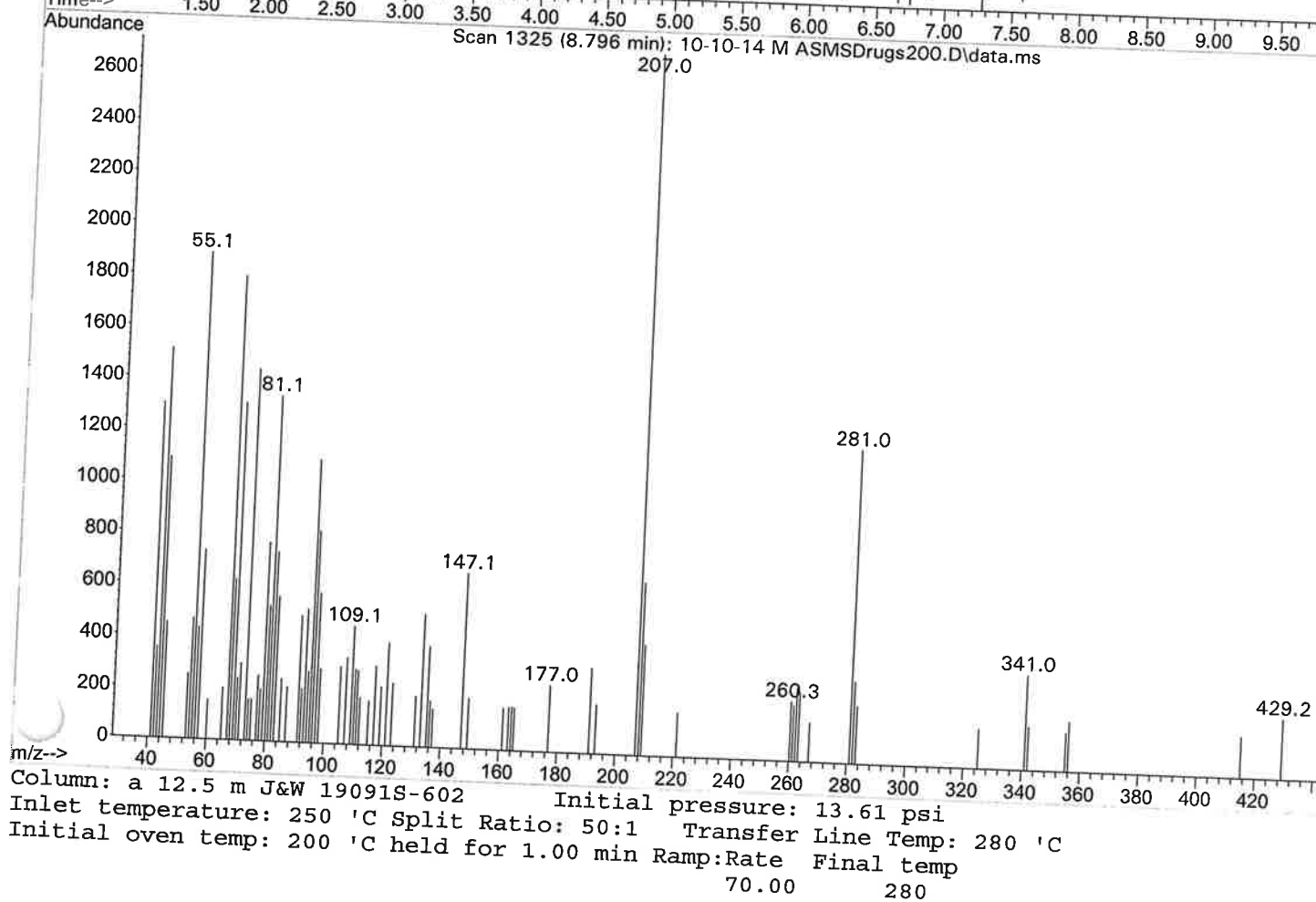
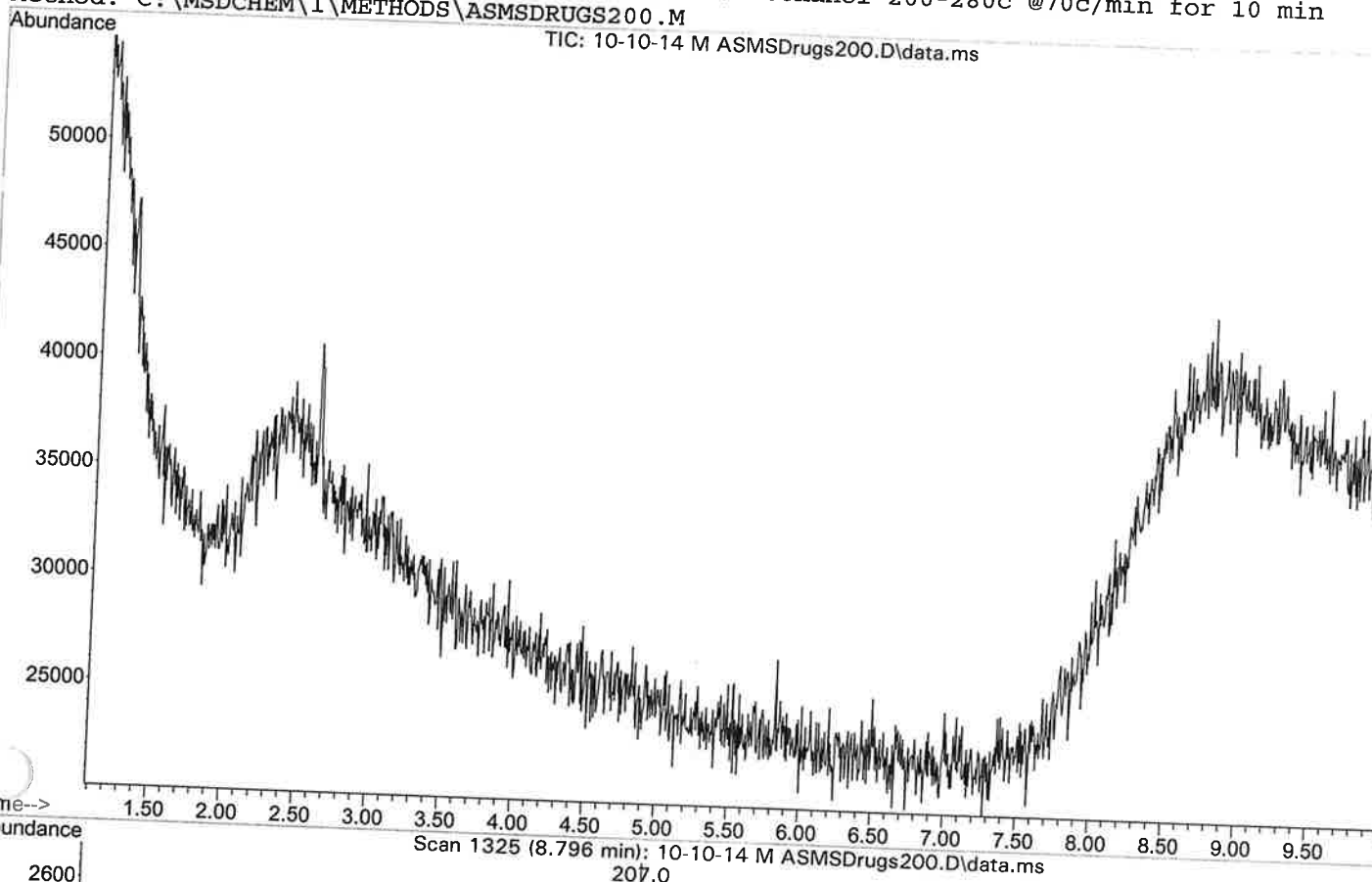
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix ASMSDrugs100.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 21:52
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 C ASMSDRugs100.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 21:08
Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 M ASMSDrugs200.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 22:31
Information: Methanol Blank Misc. Information: Methanol 200-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS200.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugs200.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

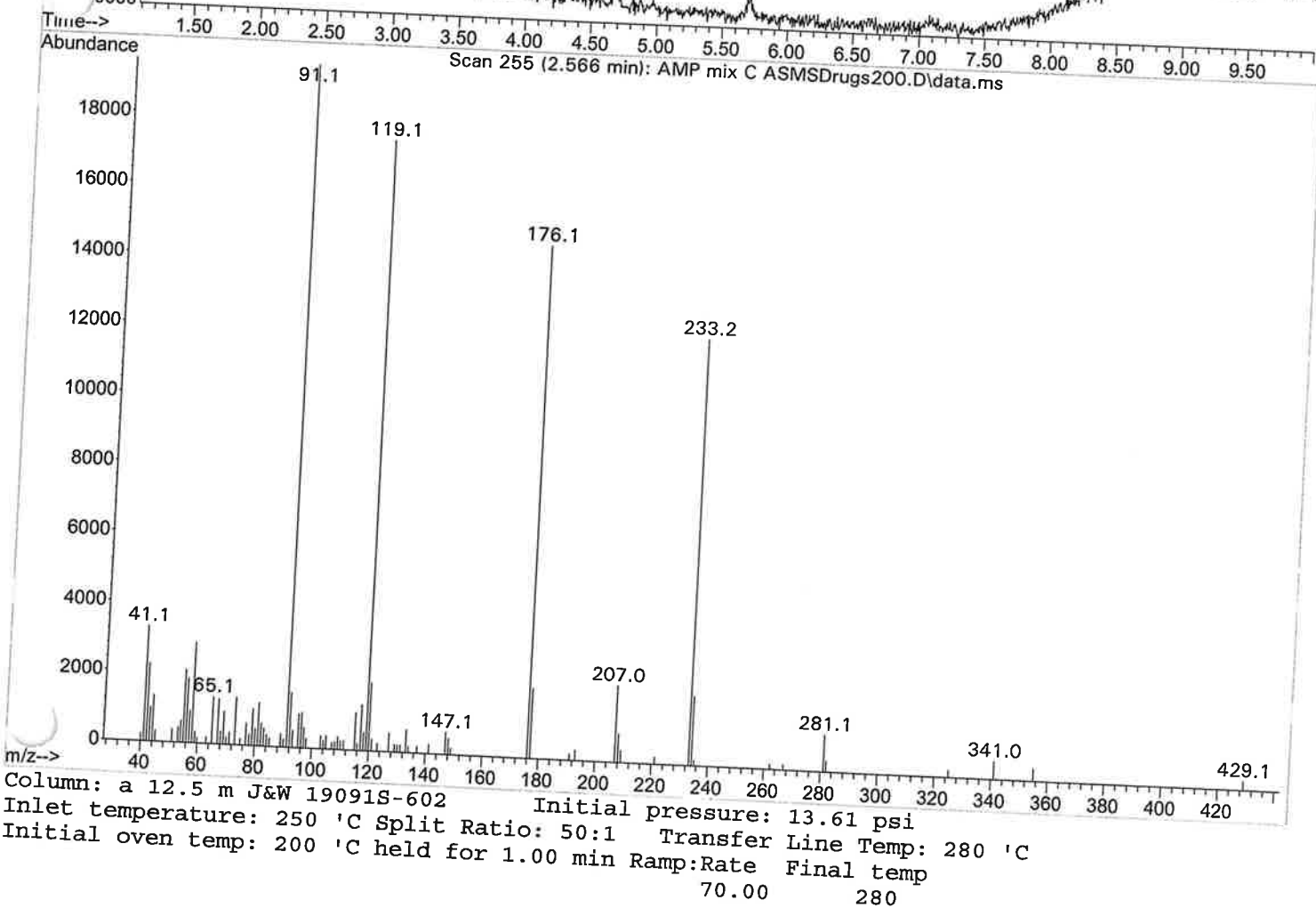
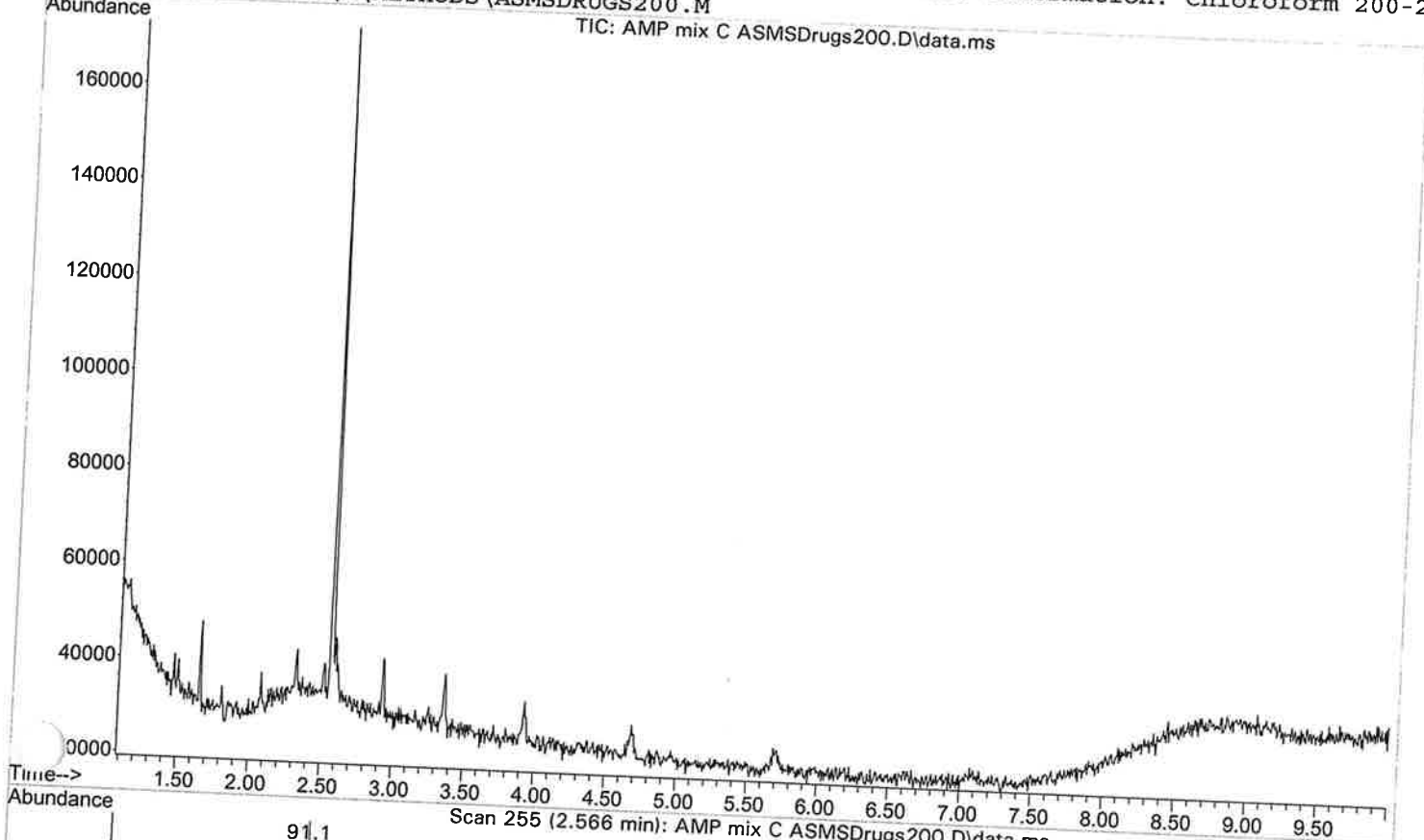
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 22:18

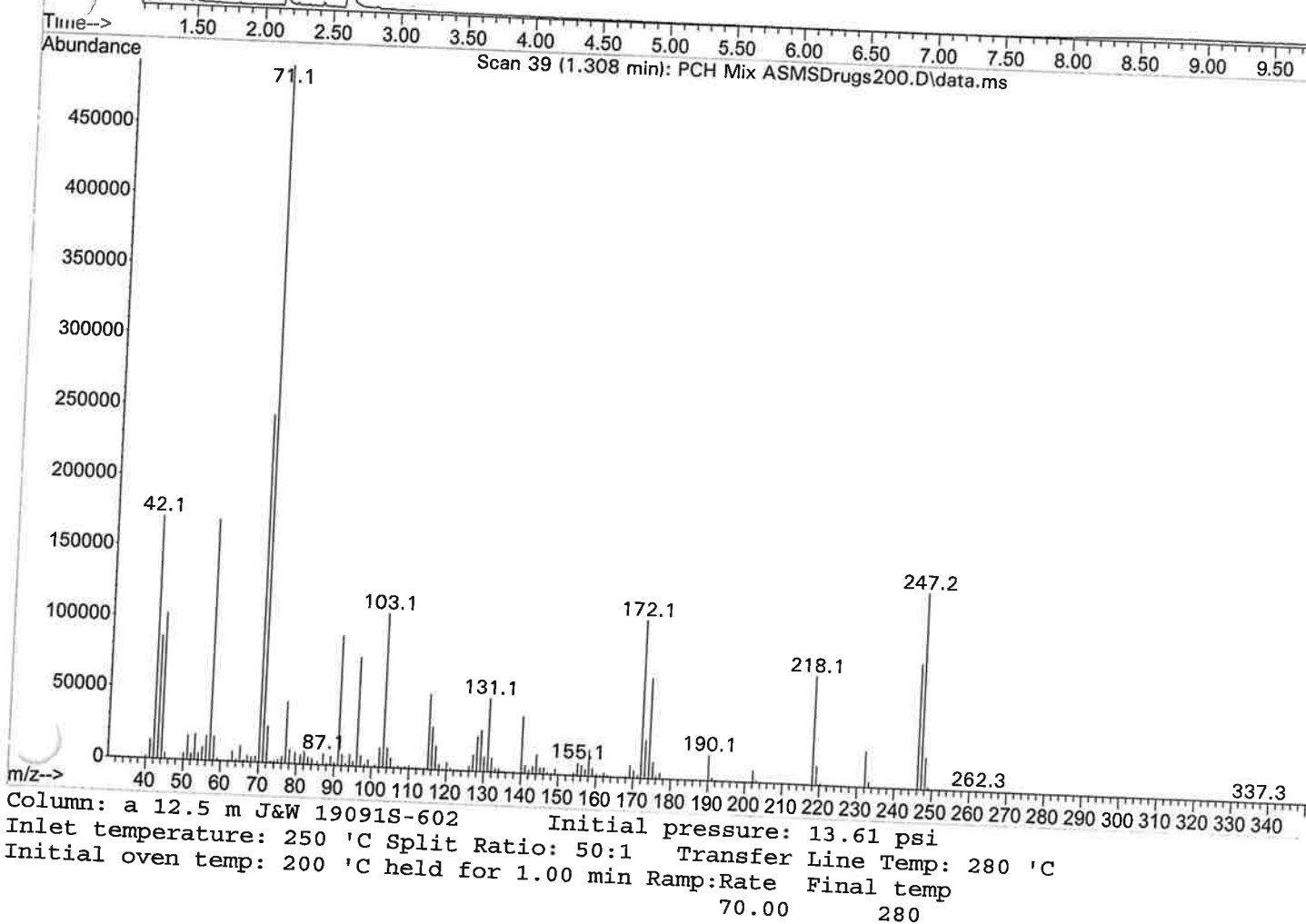
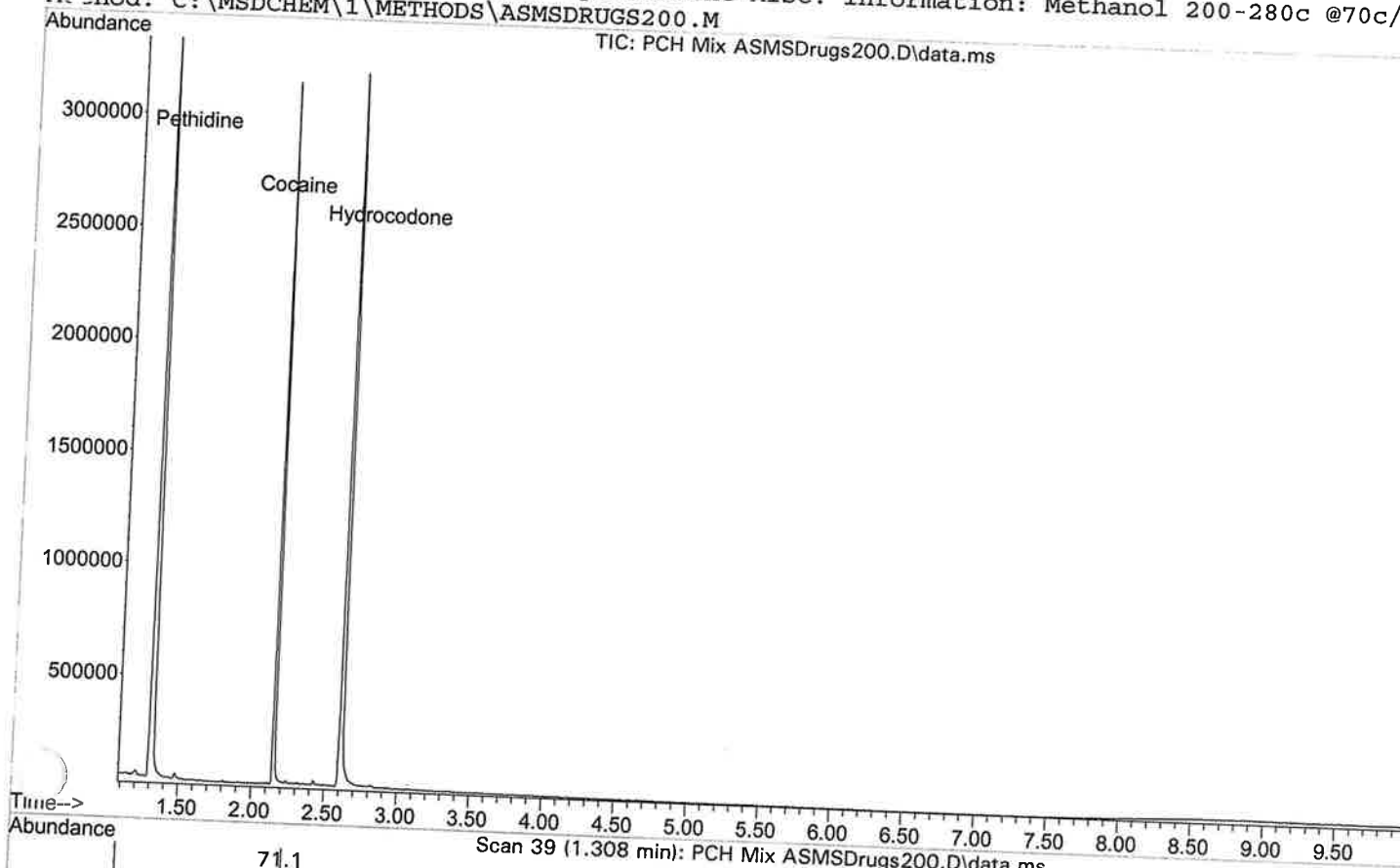
Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 200-280c @

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS200.M

TIC: AMP mix C ASMSDrugs200.D\data.ms

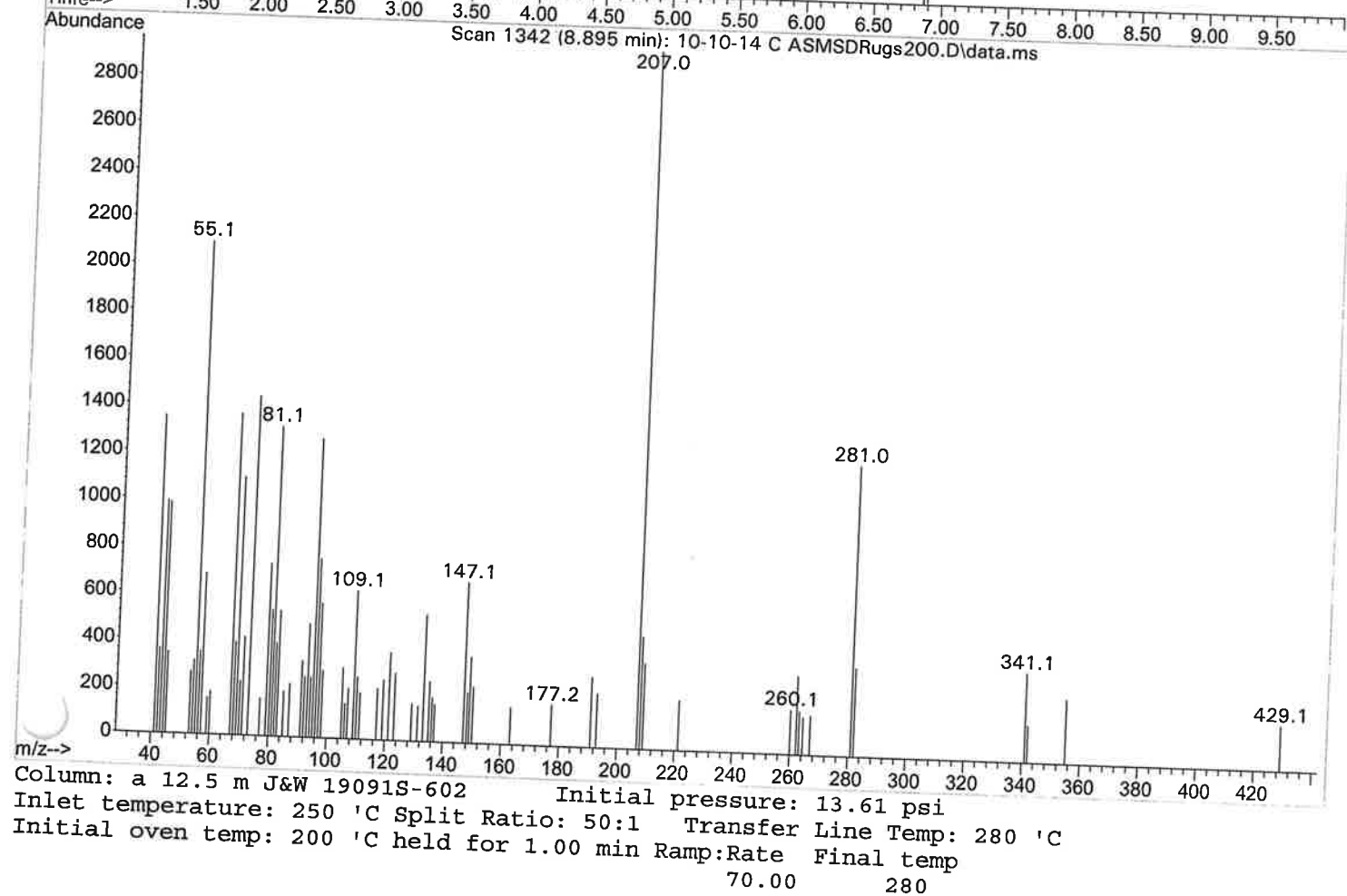
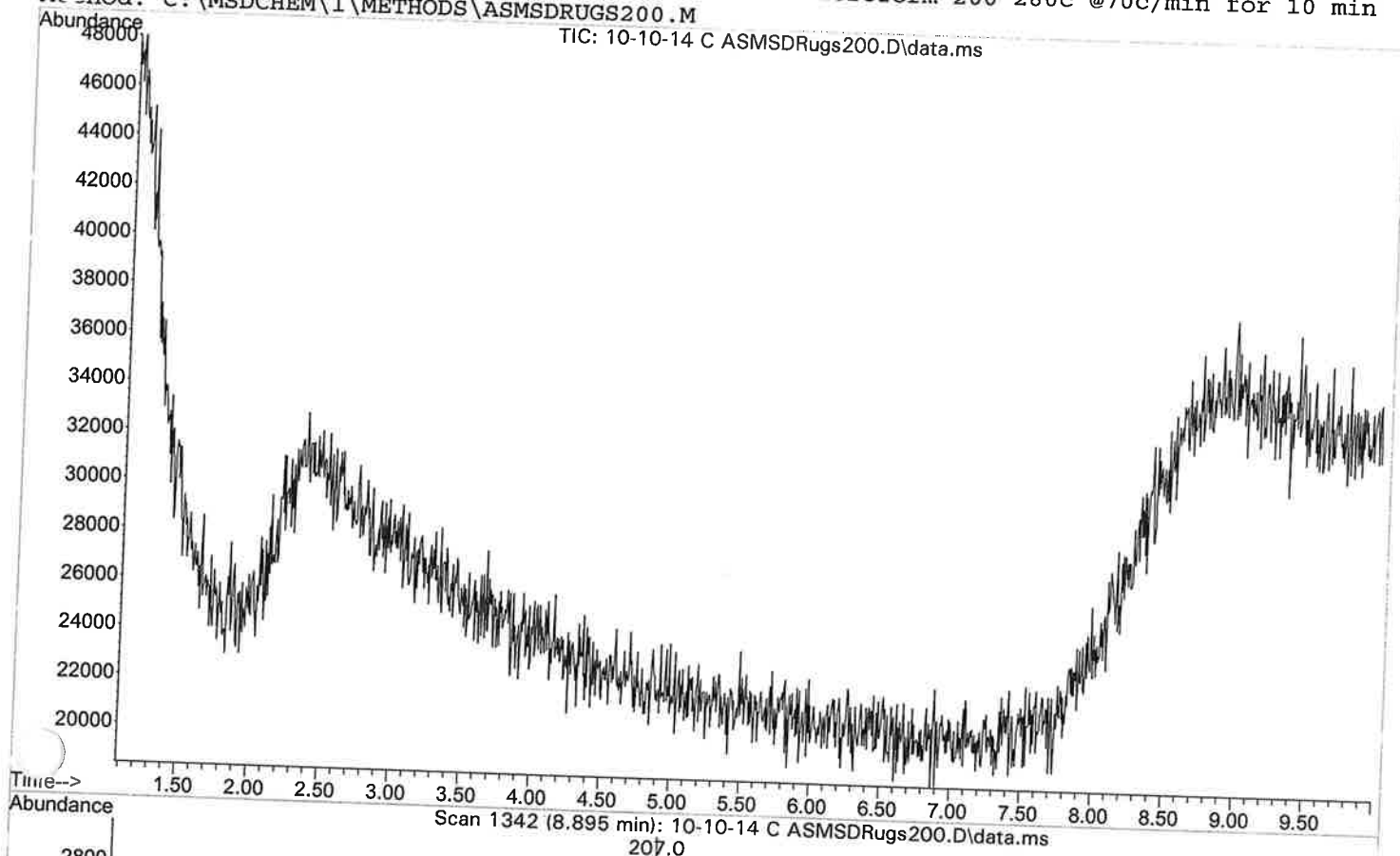


Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix ASMSDrugs200.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 22:45
Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 200-280c @70c/min for
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS200.M
TIC: PCH Mix ASMSDrugs200.D\data.ms



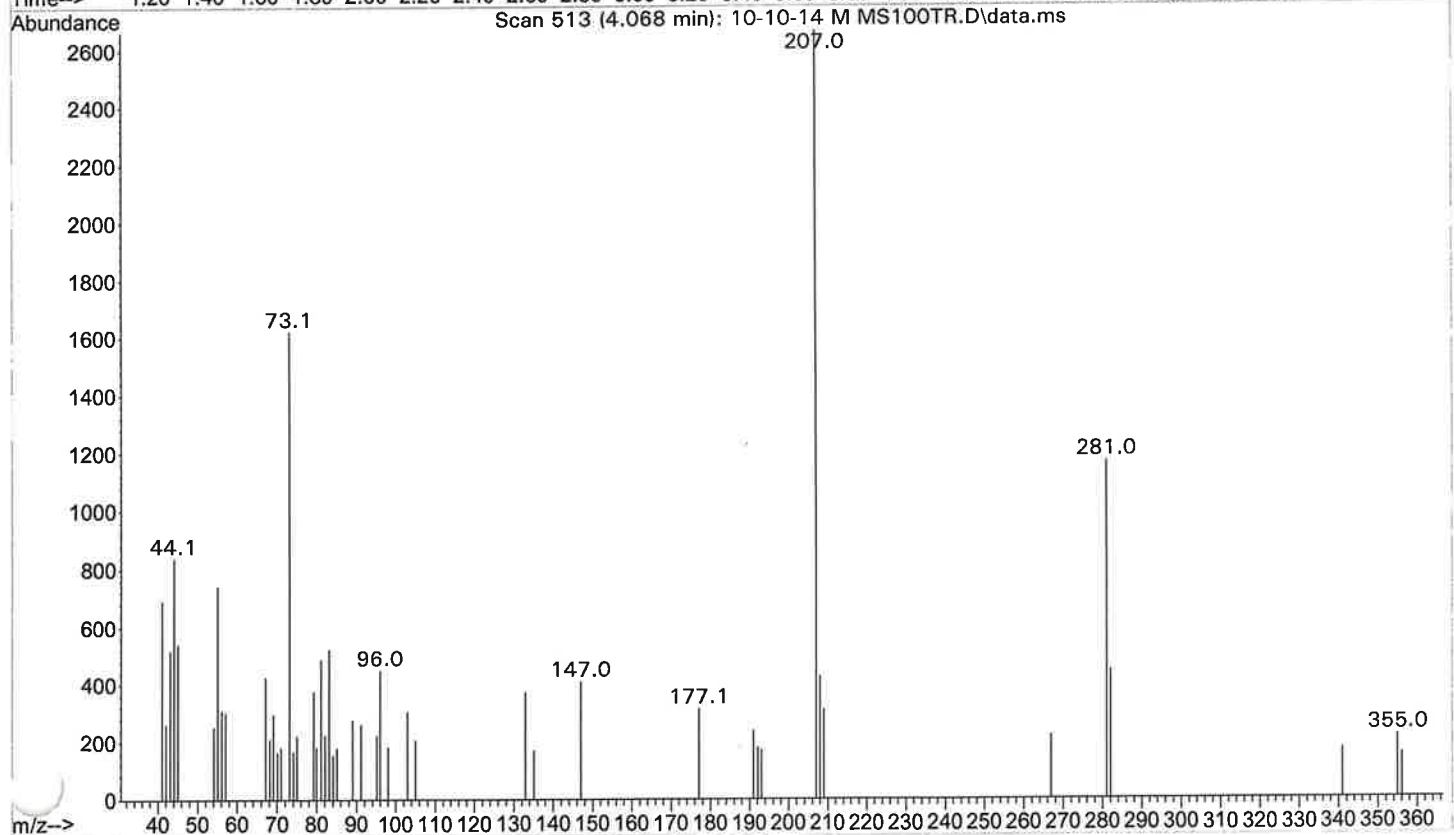
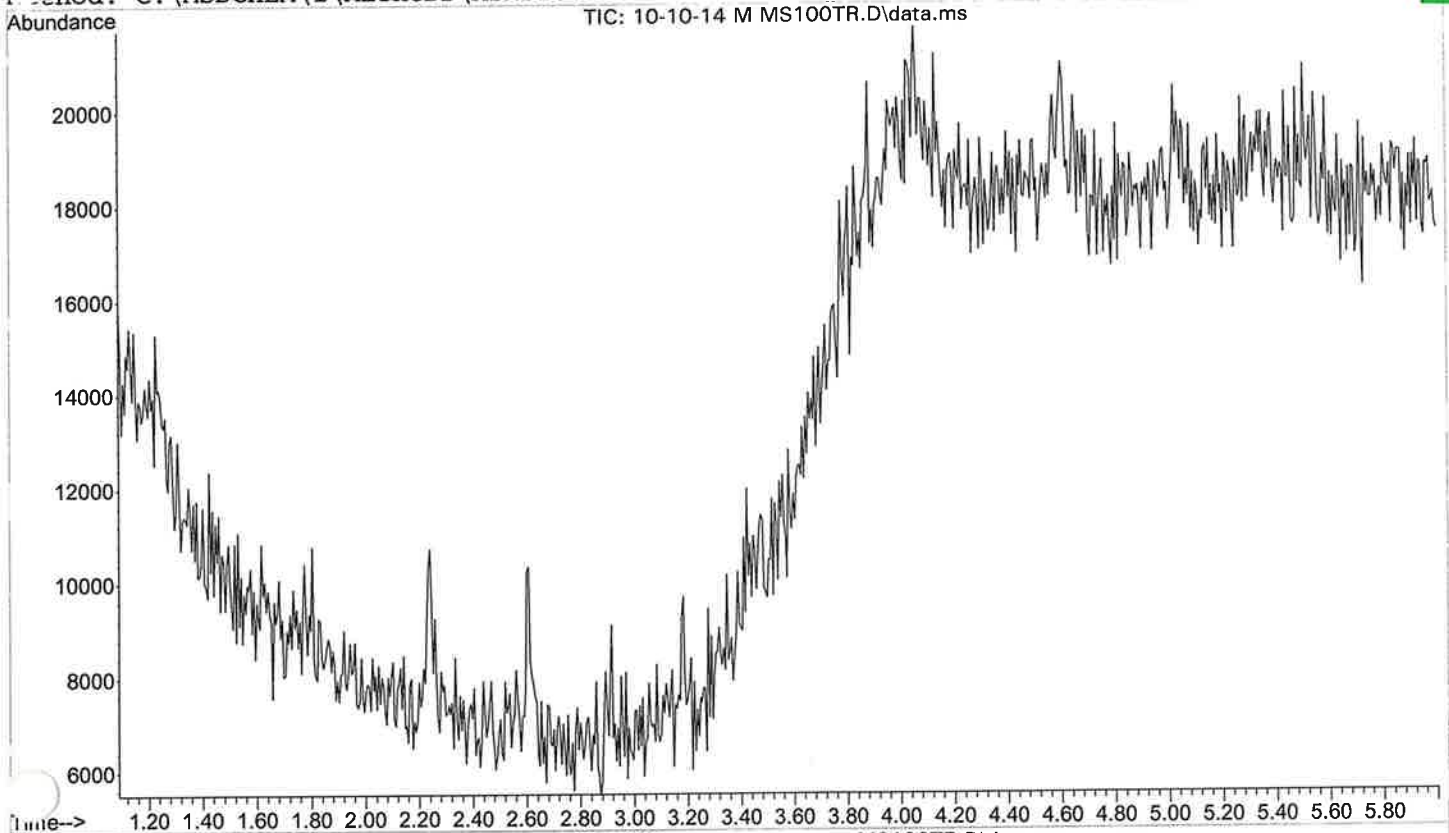
Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.61 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 C ASMSDRugs200.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 22:05
Information: Chloroform Blank Misc. Information: Chloroform 200-280c @70c/min for 10 min
Method: C:\MSDCHEM\1\METHODS\ASMSDRUGS200.M
TIC: 10-10-14 C ASMSDRugs200.D\data.ms



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 M MS100TR.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 18:18
Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 6 min
Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M

ASMS100TR



Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C MS100TR(2).D

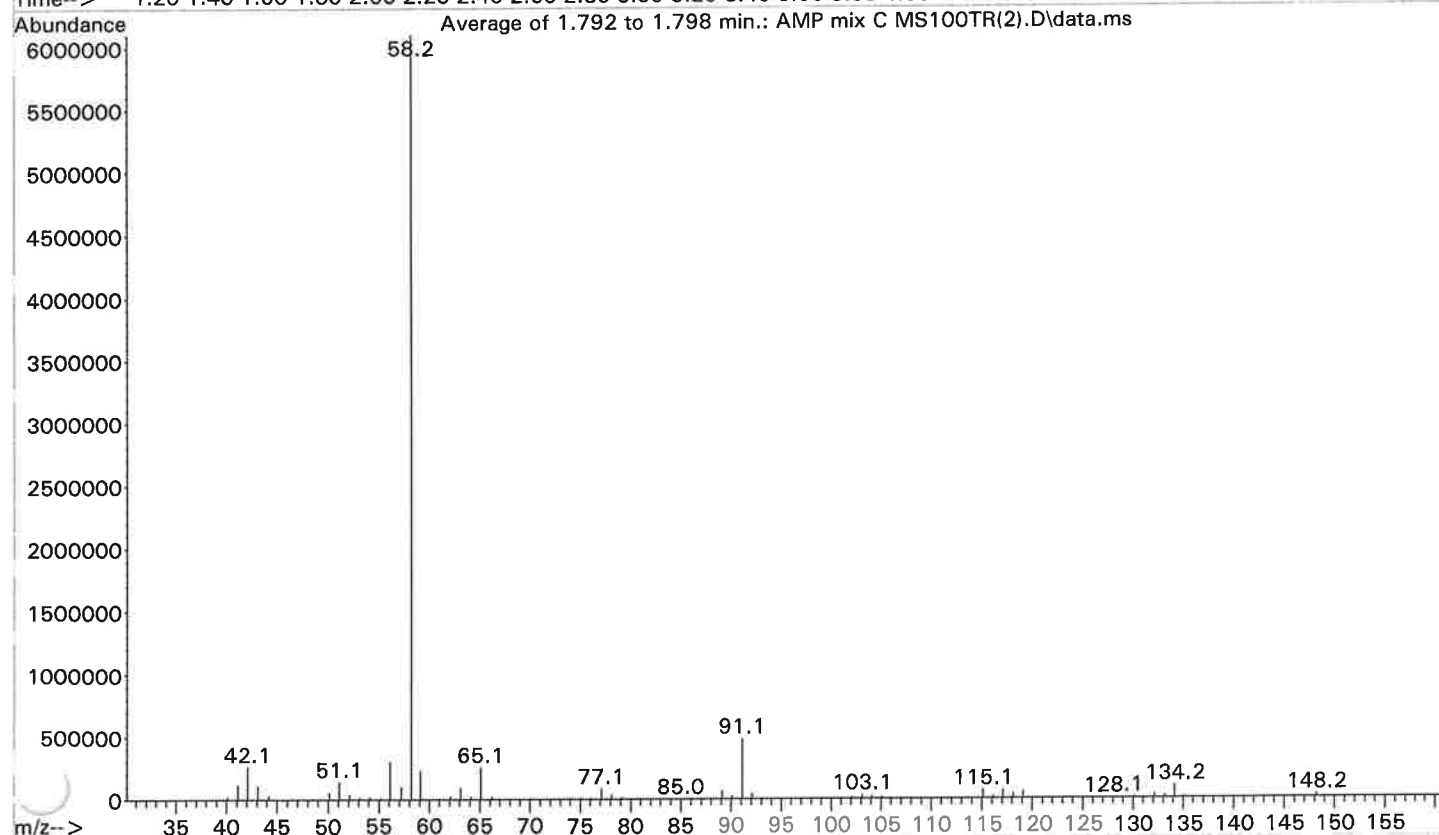
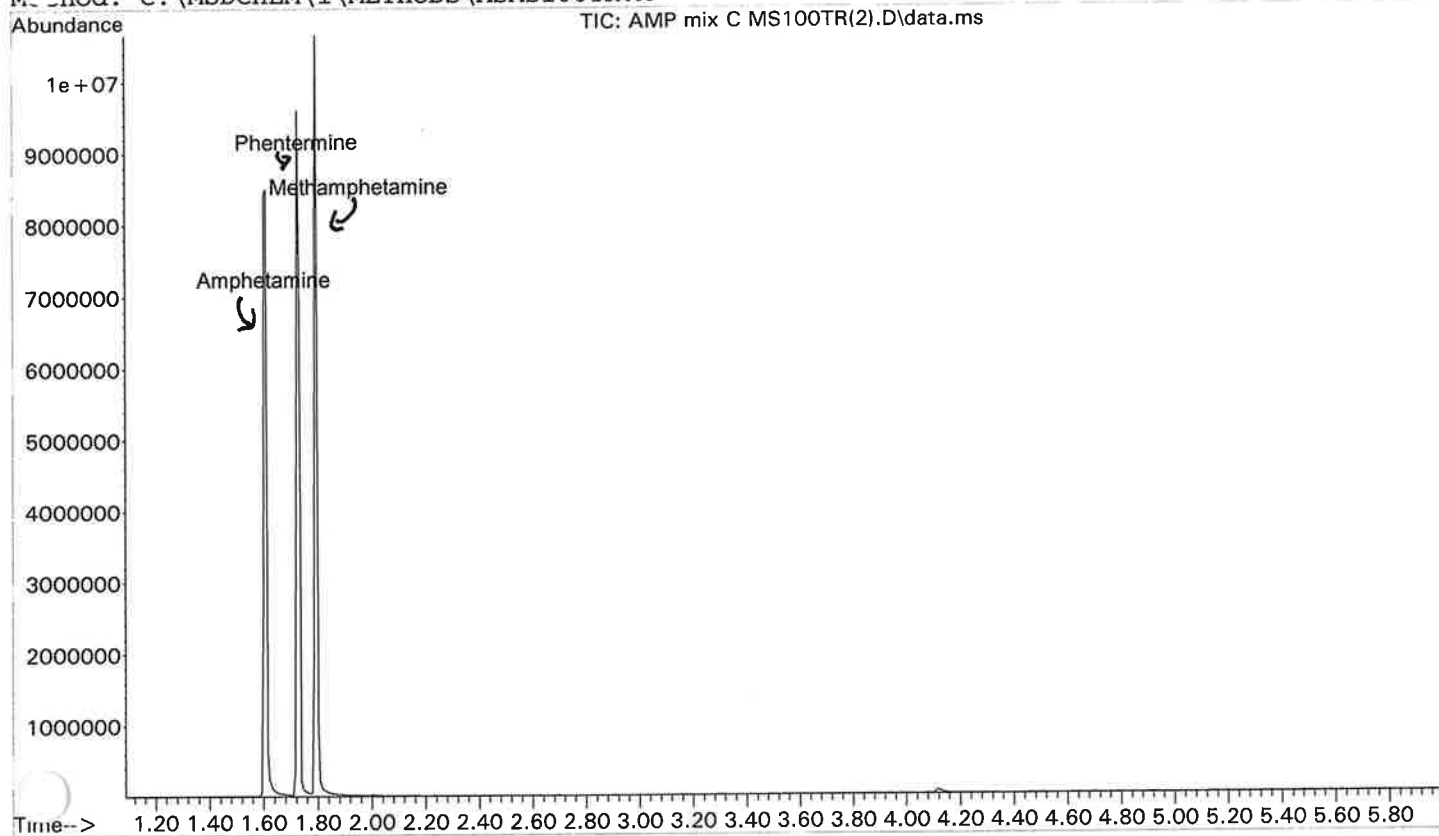
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 13 Oct 2014 16:23

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C MS100TR.D

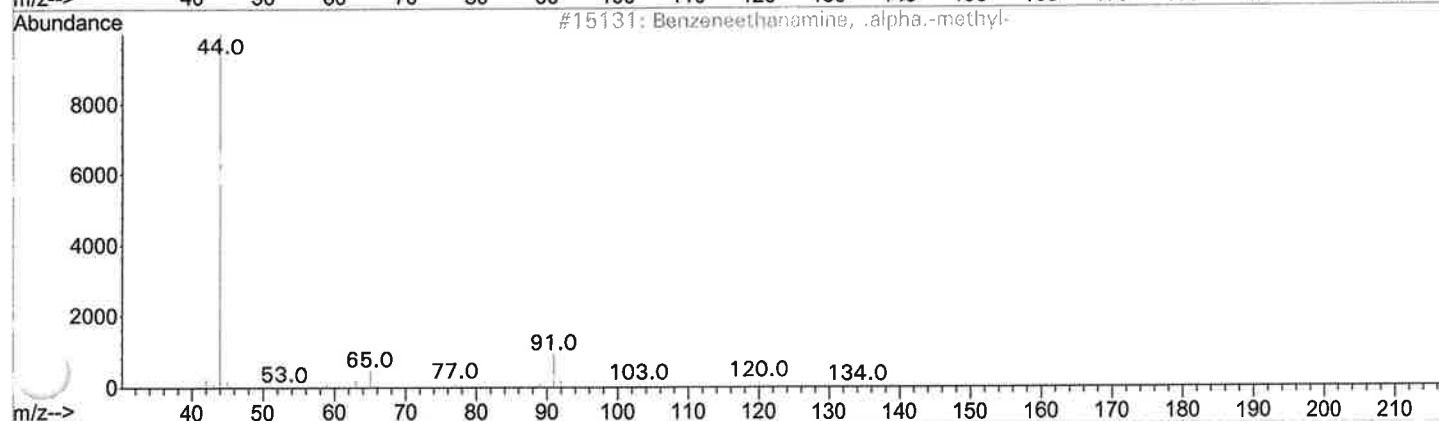
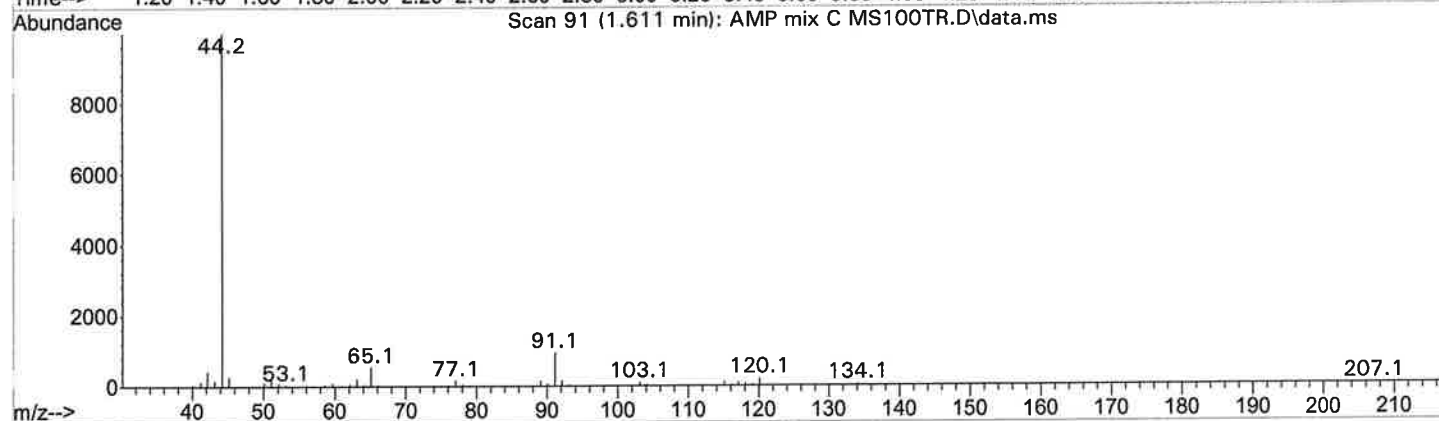
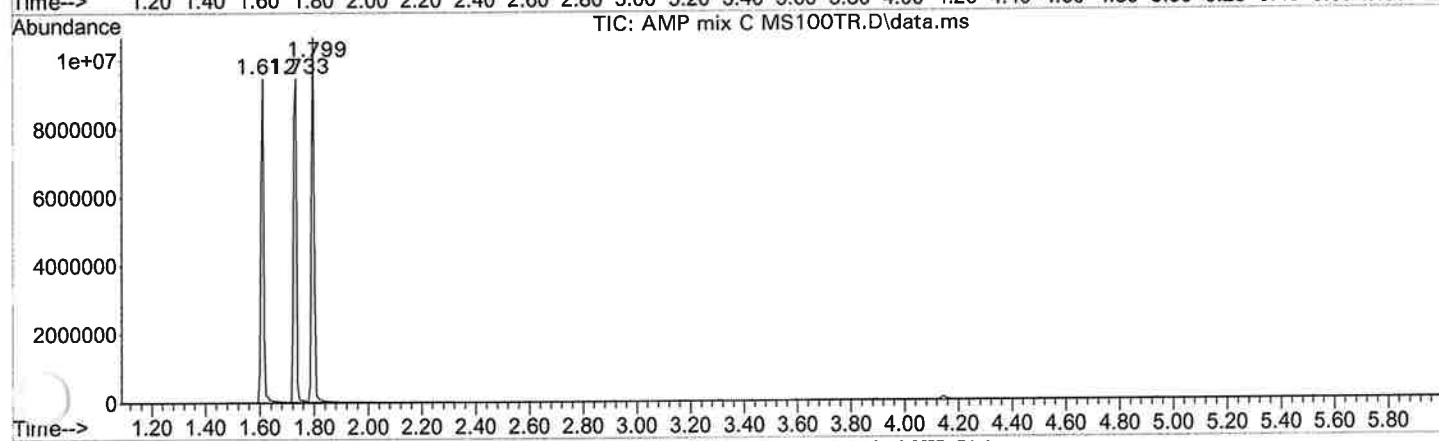
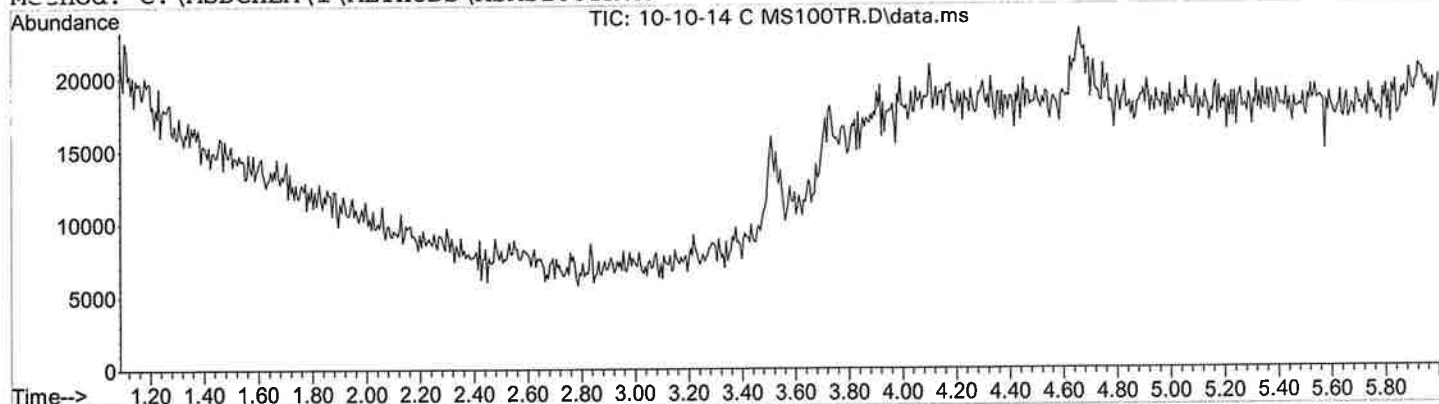
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 18:08

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix MS100TR.D

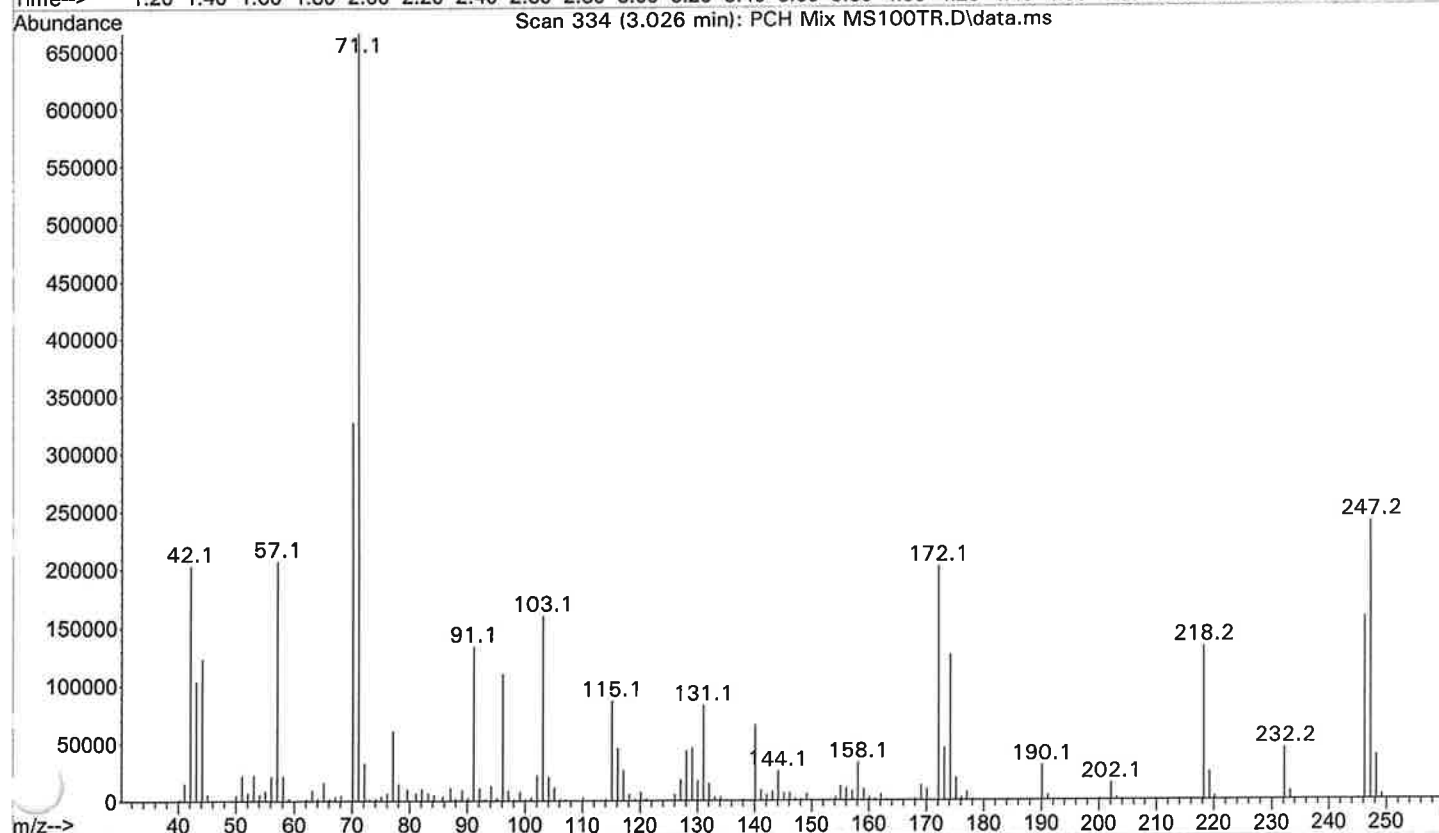
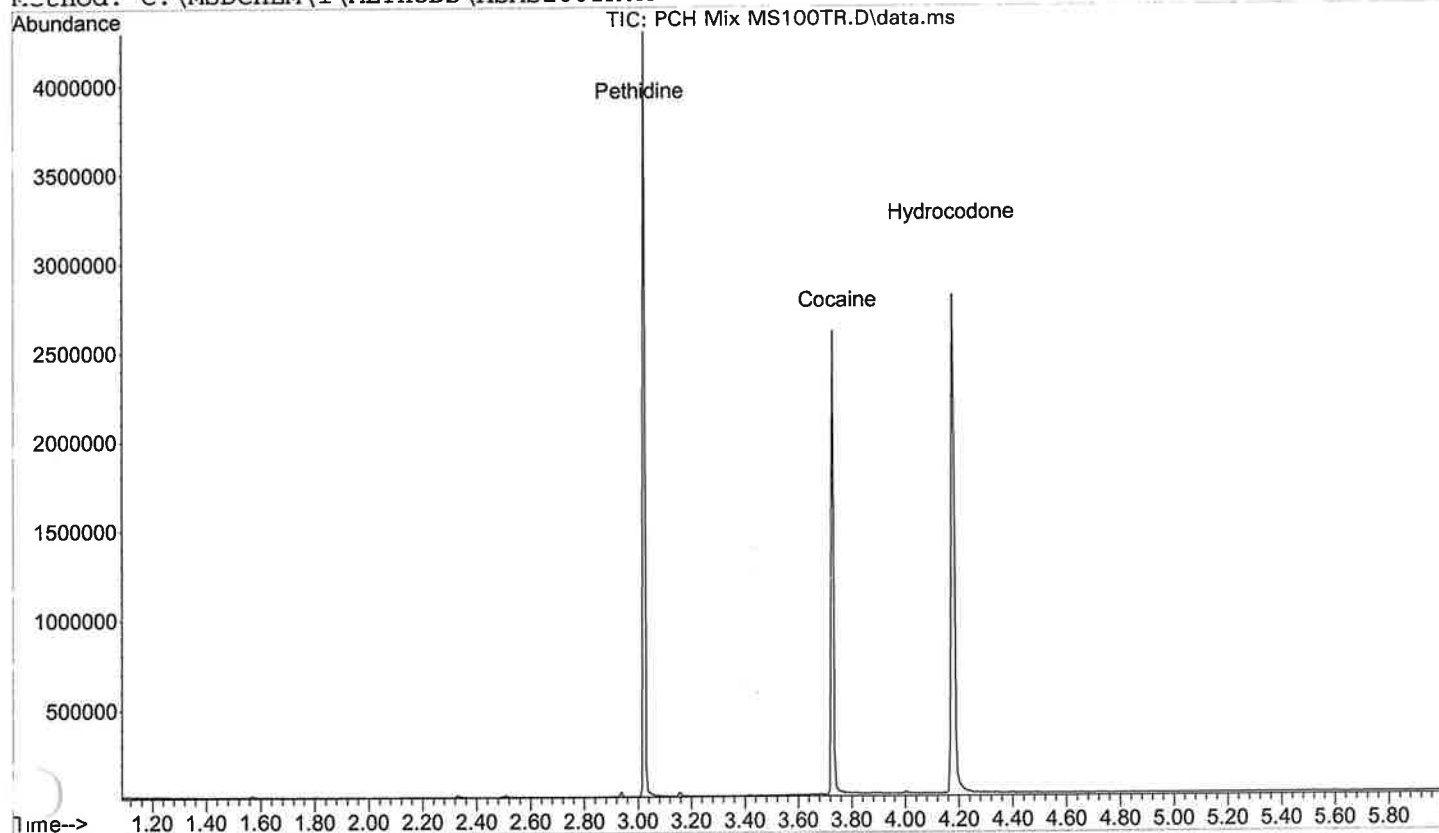
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 18:28

Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for

Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 C MS100TR.D

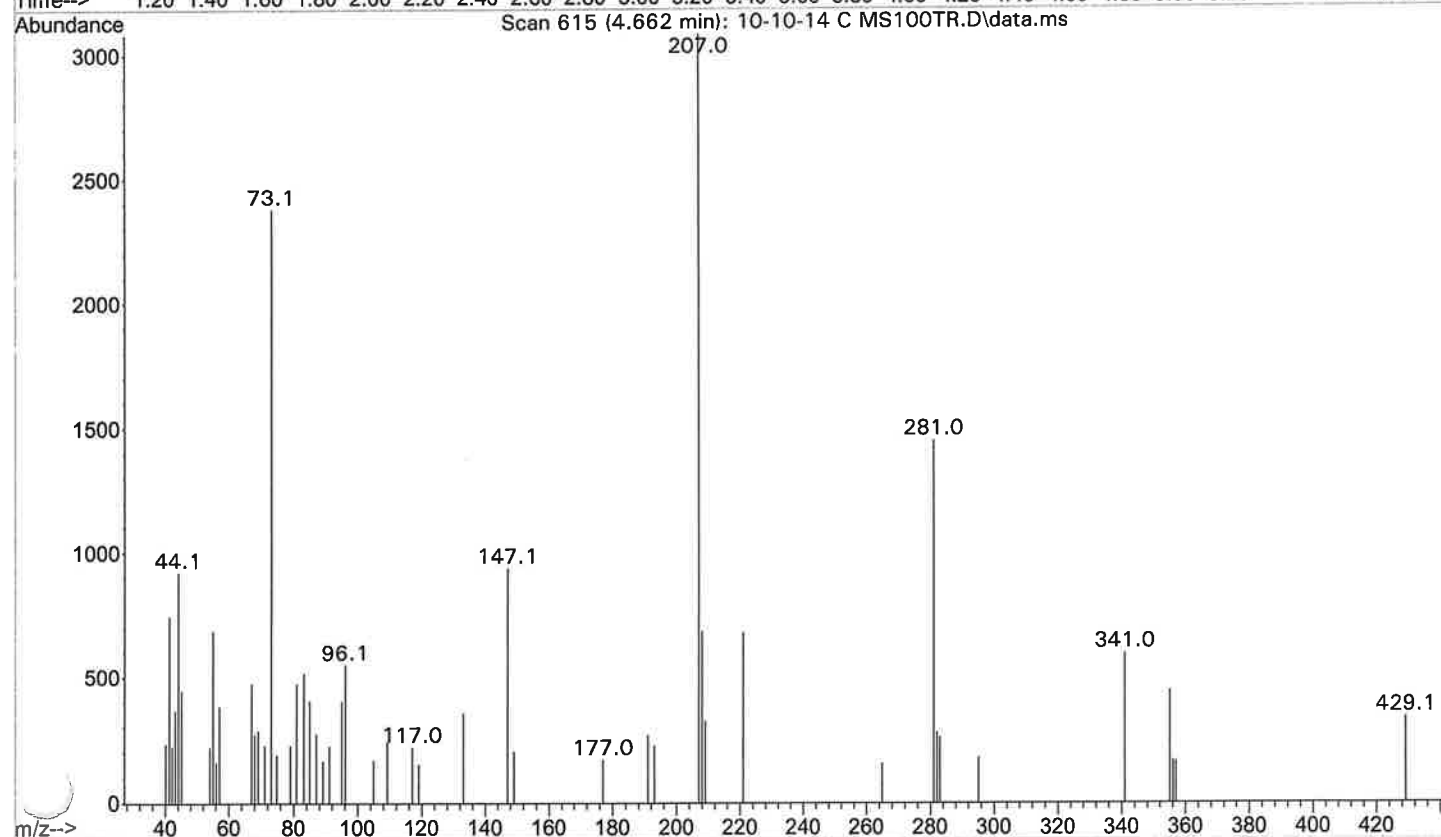
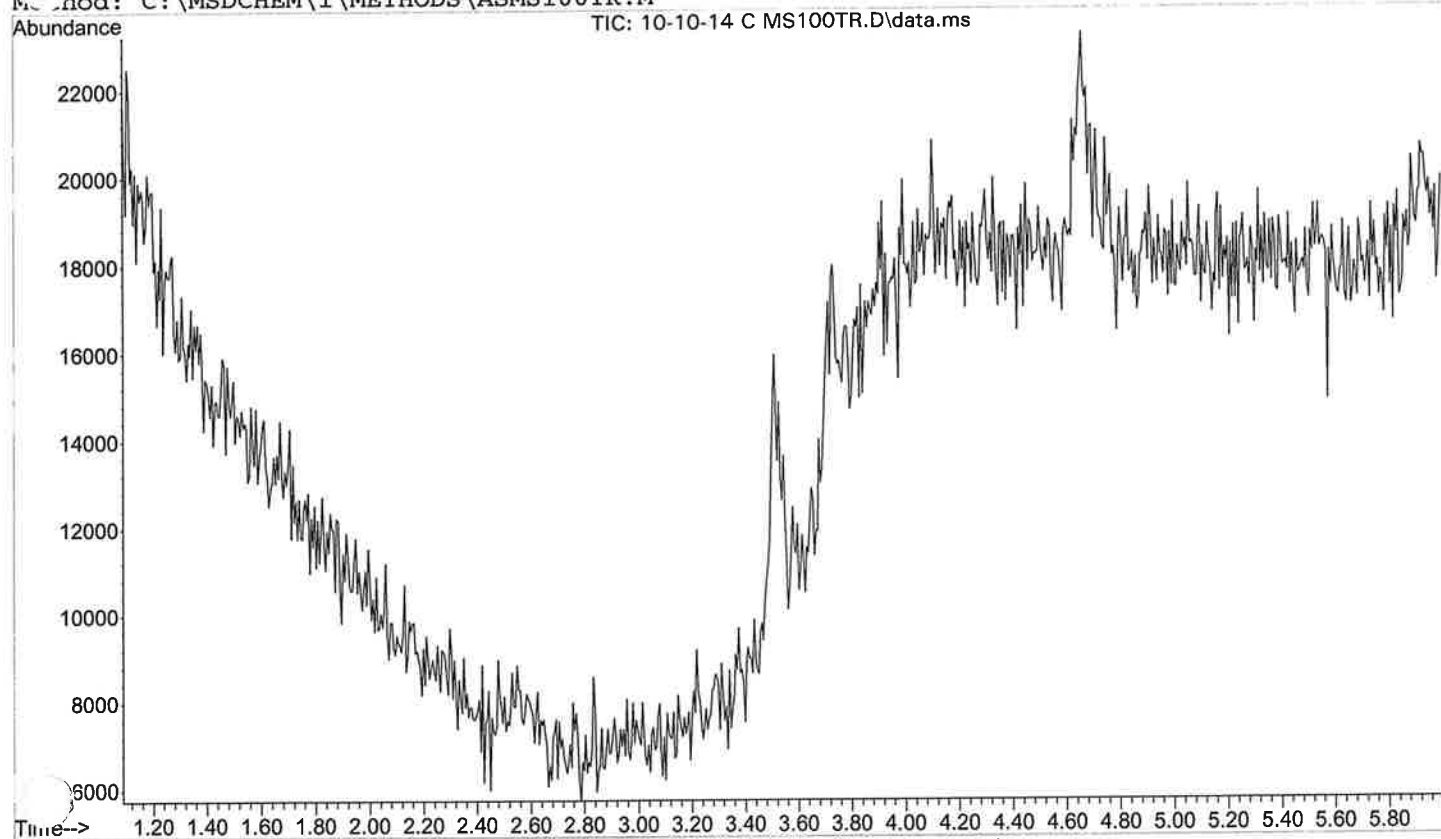
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 17:57

Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 6 min

Method: C:\MSDCHEM\1\METHODS\ASMS100TR.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

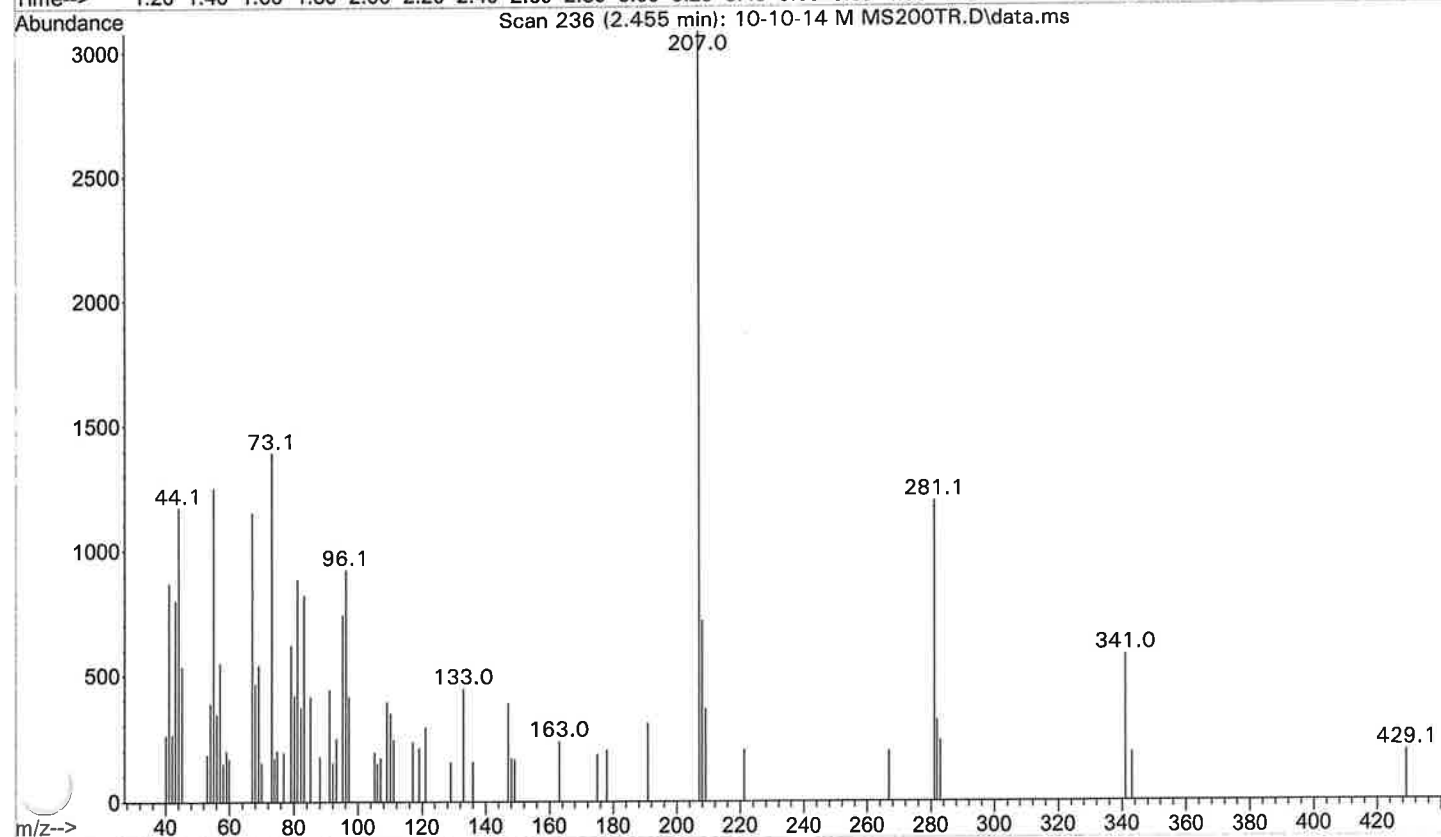
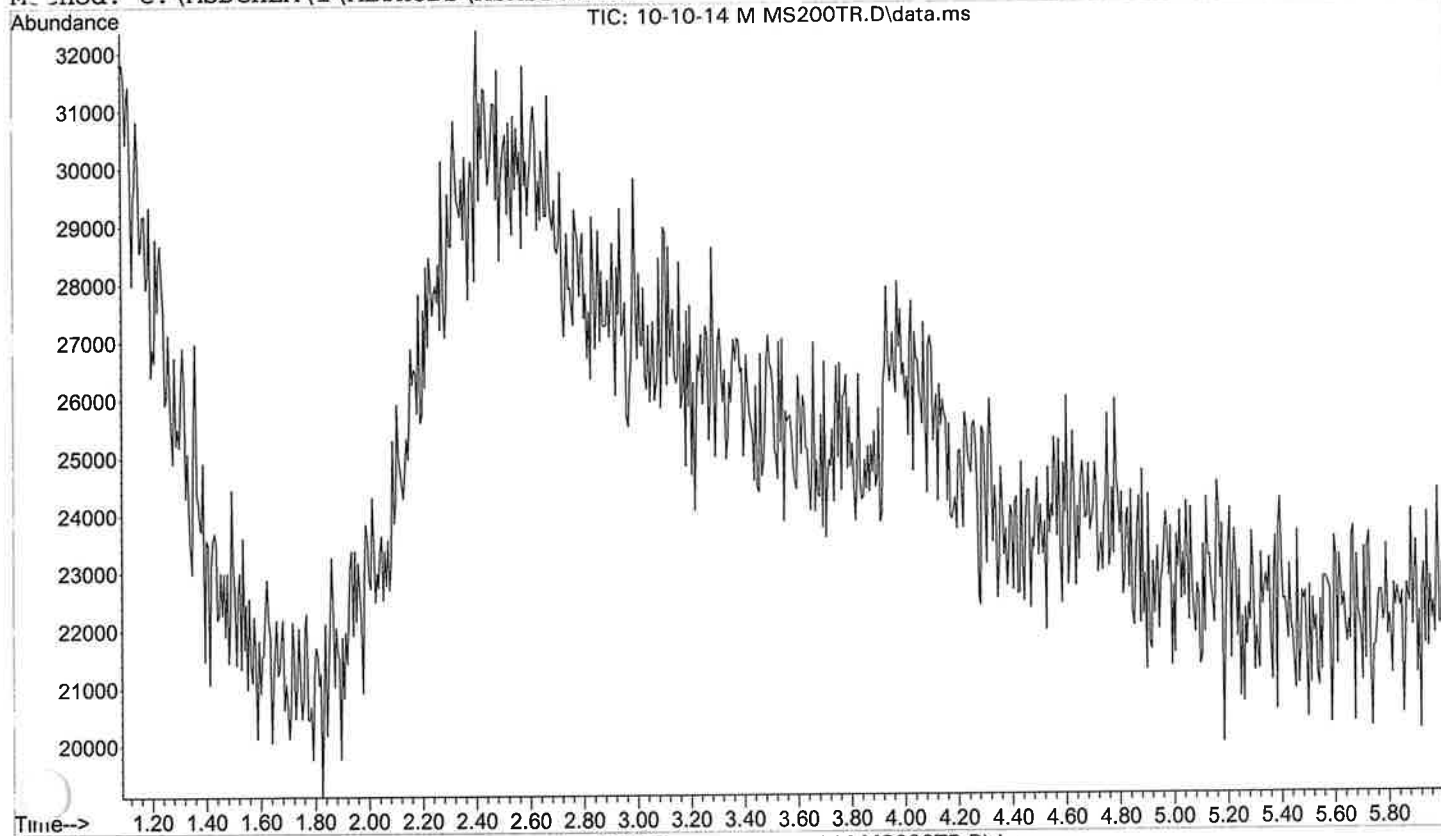
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 M MS200TR.D
Instrument: JAVA (model: 5973N Serial number: US44630695)
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu
Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 18:56
Information: Methanol Blank Misc. Information: Methanol 200-280c @70c/min for 6 min
Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 13.61 psi
Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C
Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp
70.00 280

ASMS 200TR

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C MS200TR.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

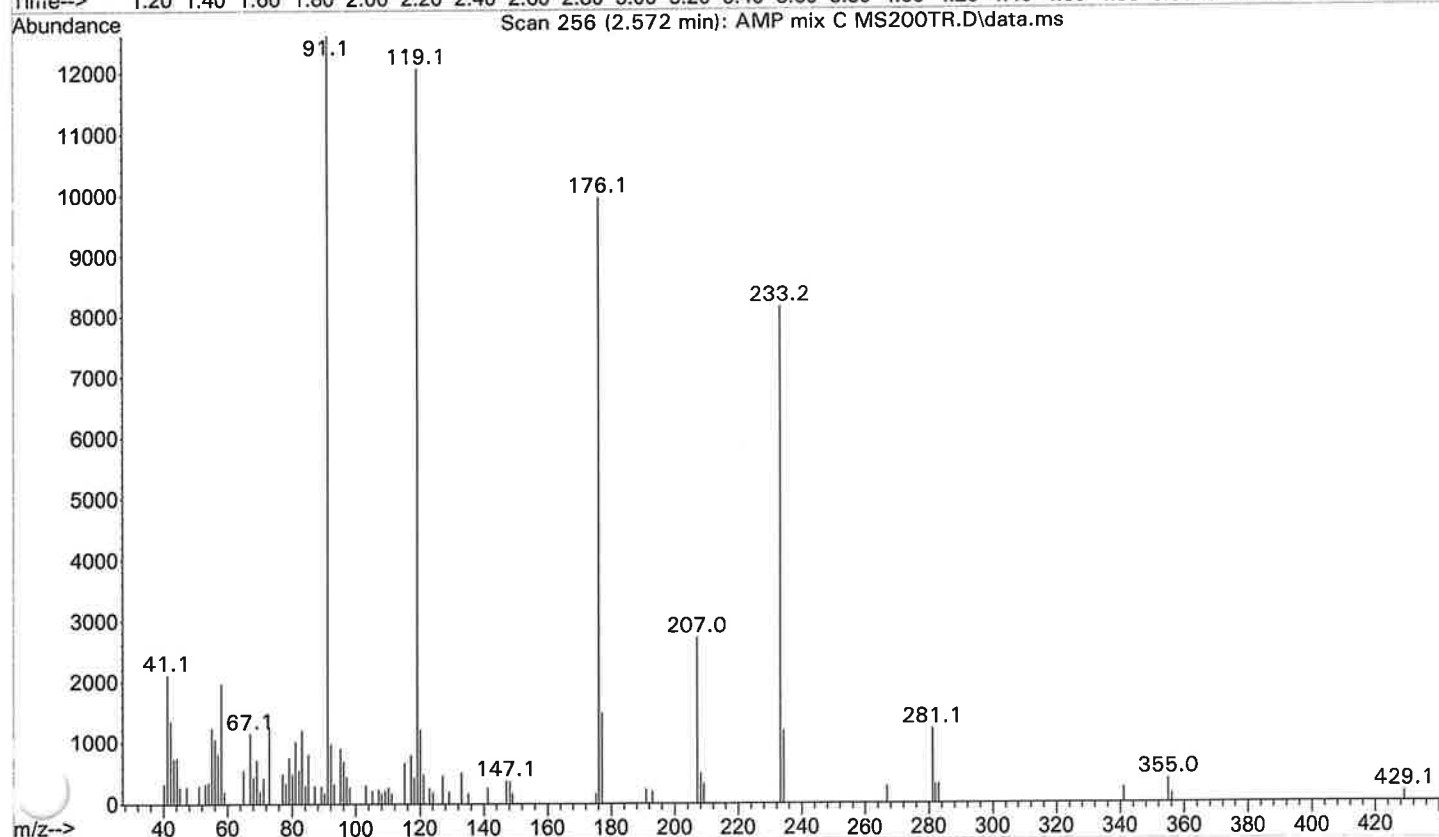
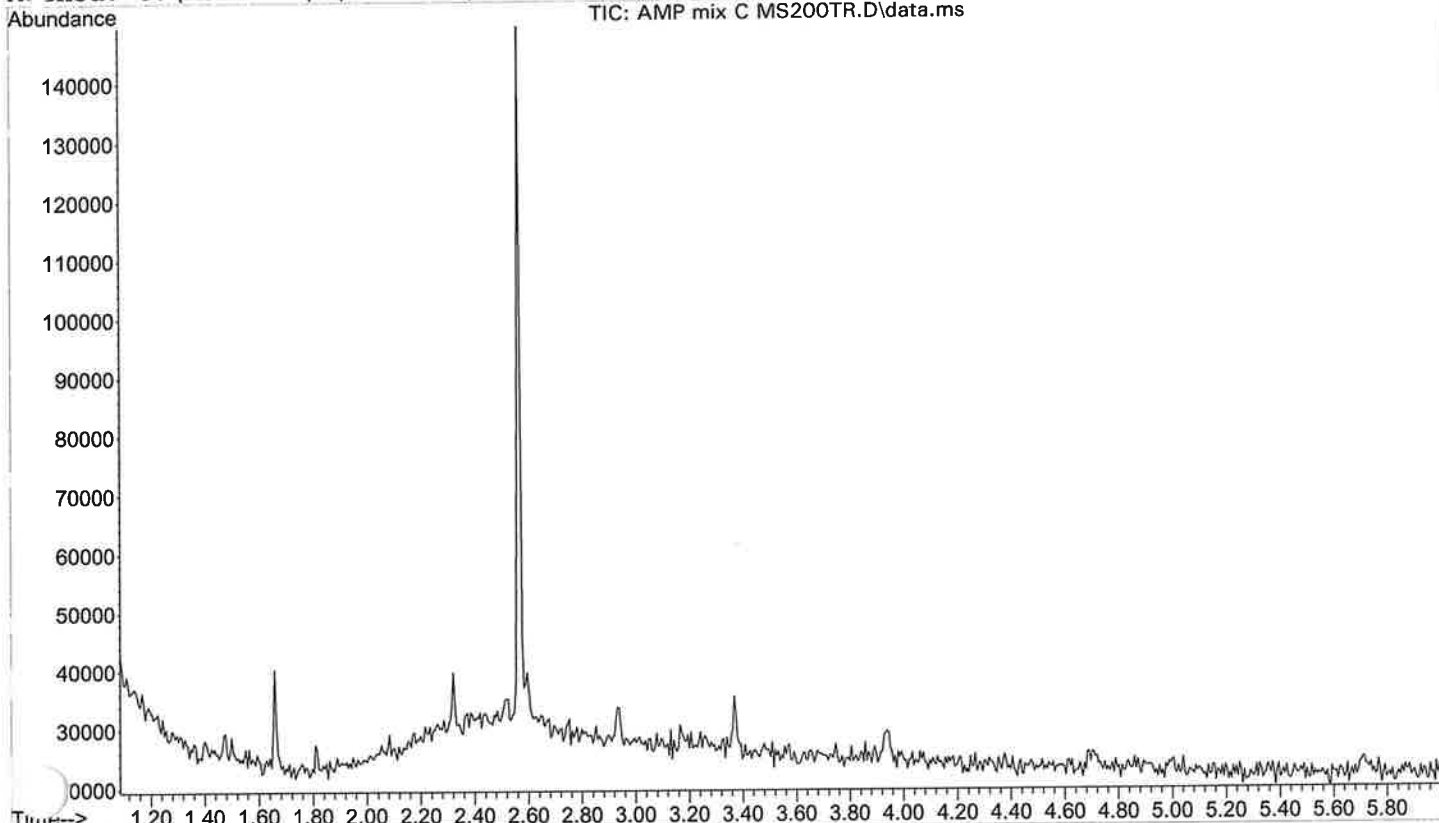
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 18:47

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 200-280c @

Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M

TIC: AMP mix C MS200TR.D\data.ms



Column: a 12.5 m J&W 19091S-602

Initial pressure: 13.61 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix MS200TR.D

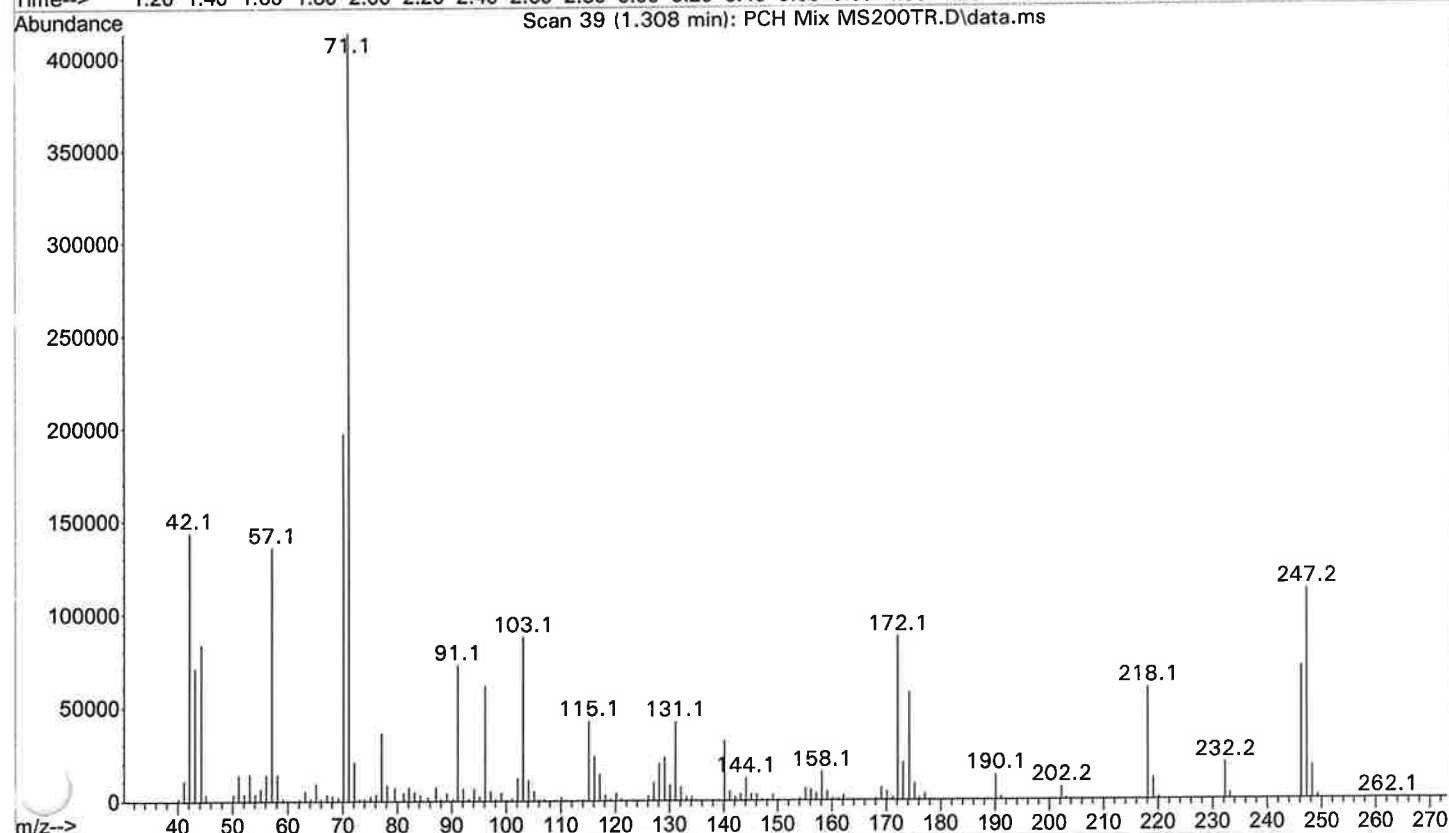
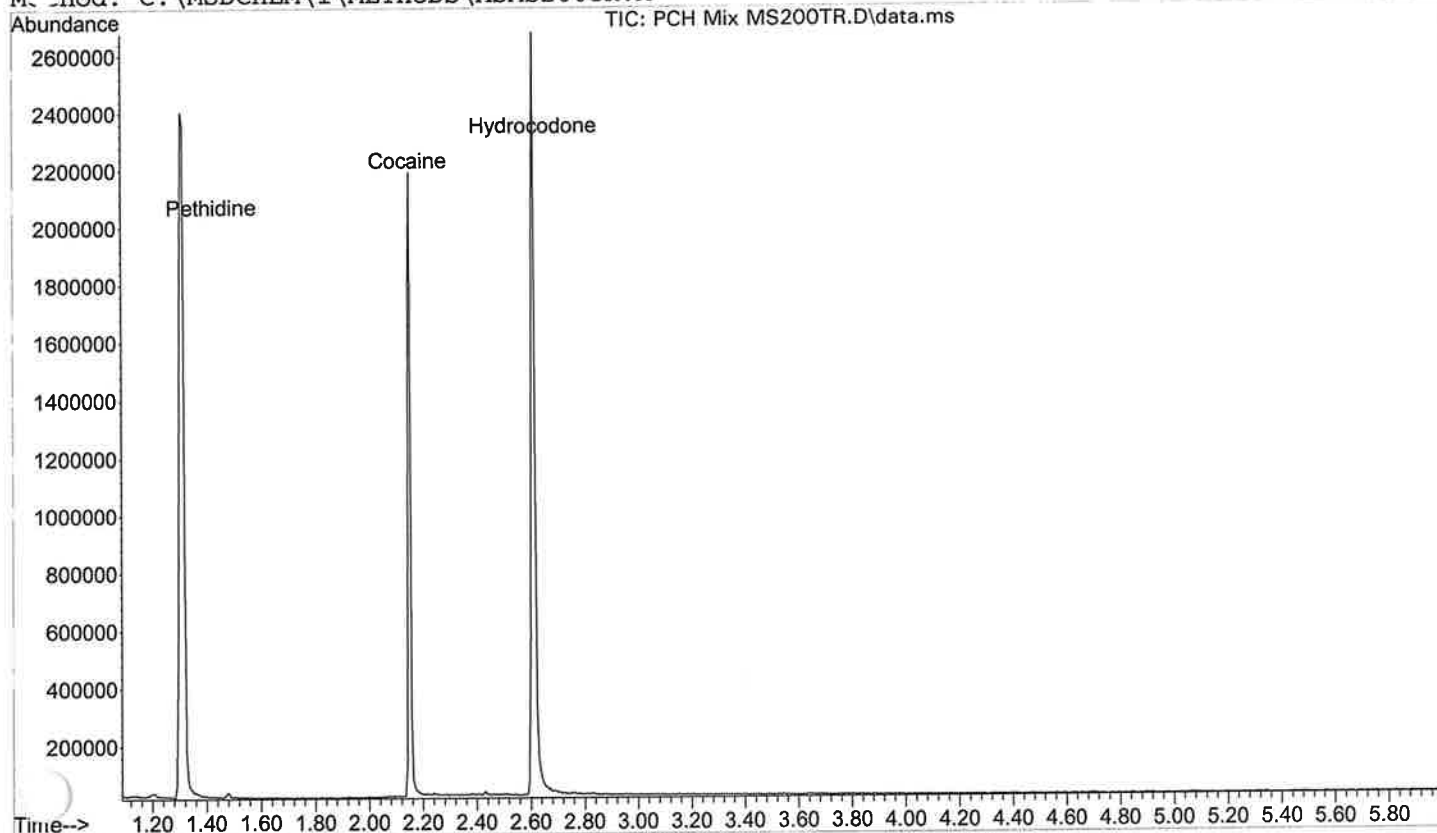
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 19:05

Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 200-280c @70c/min for

Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 13.61 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 C MS200TR.D

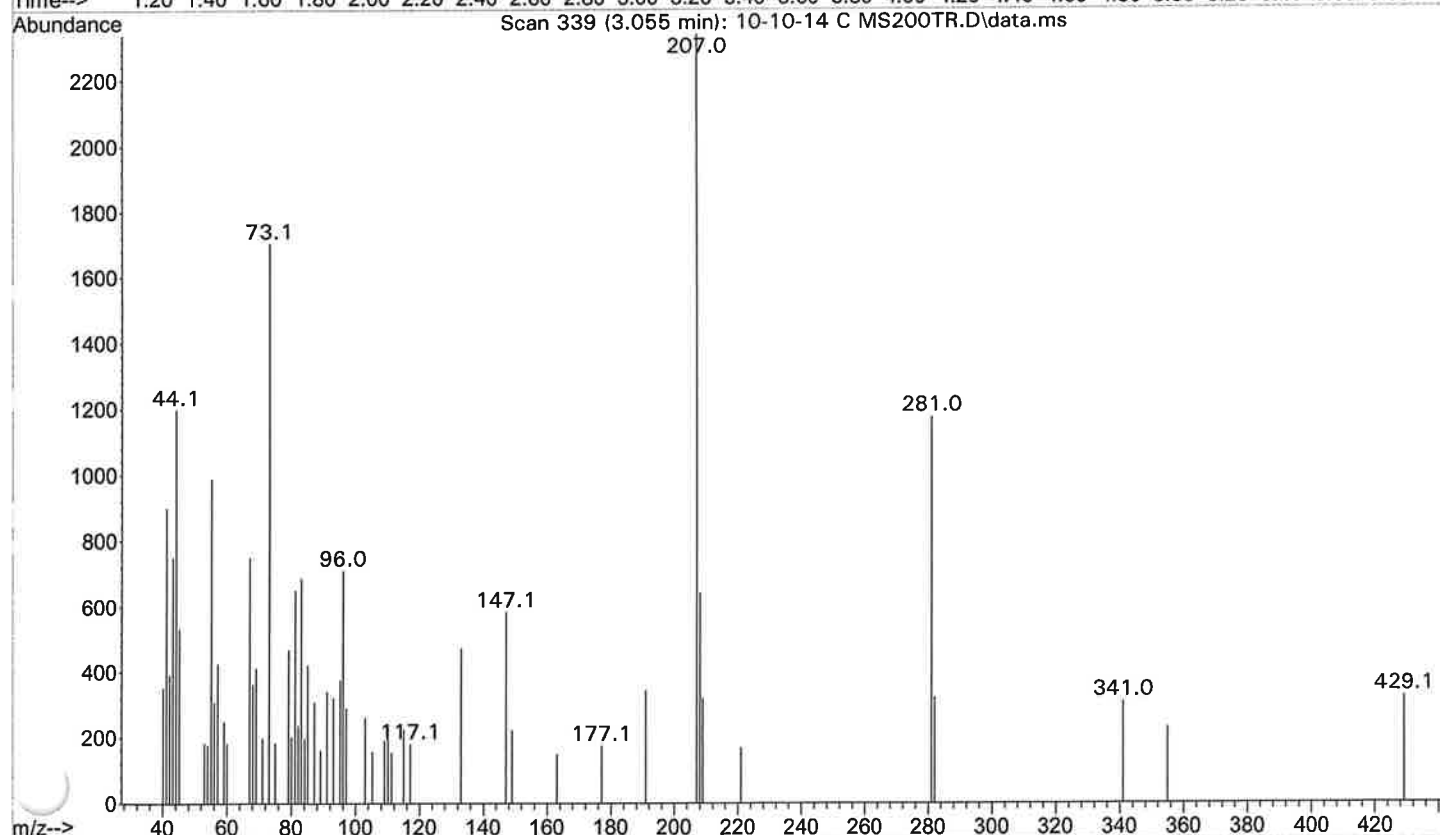
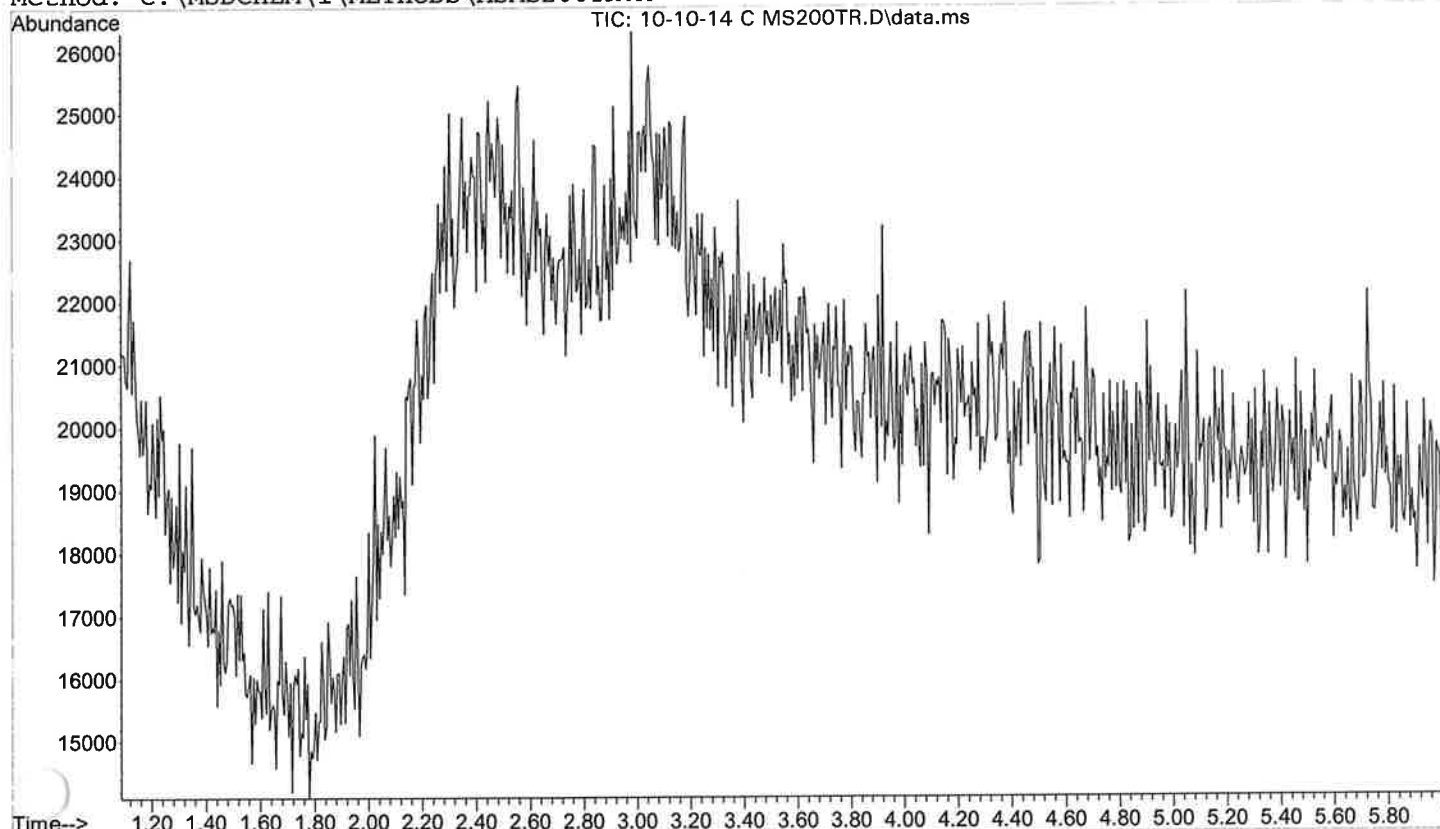
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 18:38

Information: Chloroform Blank Misc. Information: Chloroform 200-280c @70c/min for 6 min

Method: C:\MSDCHEM\1\METHODS\ASMS200TR.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 13.61 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 200 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 M ASMSDrugsTI.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

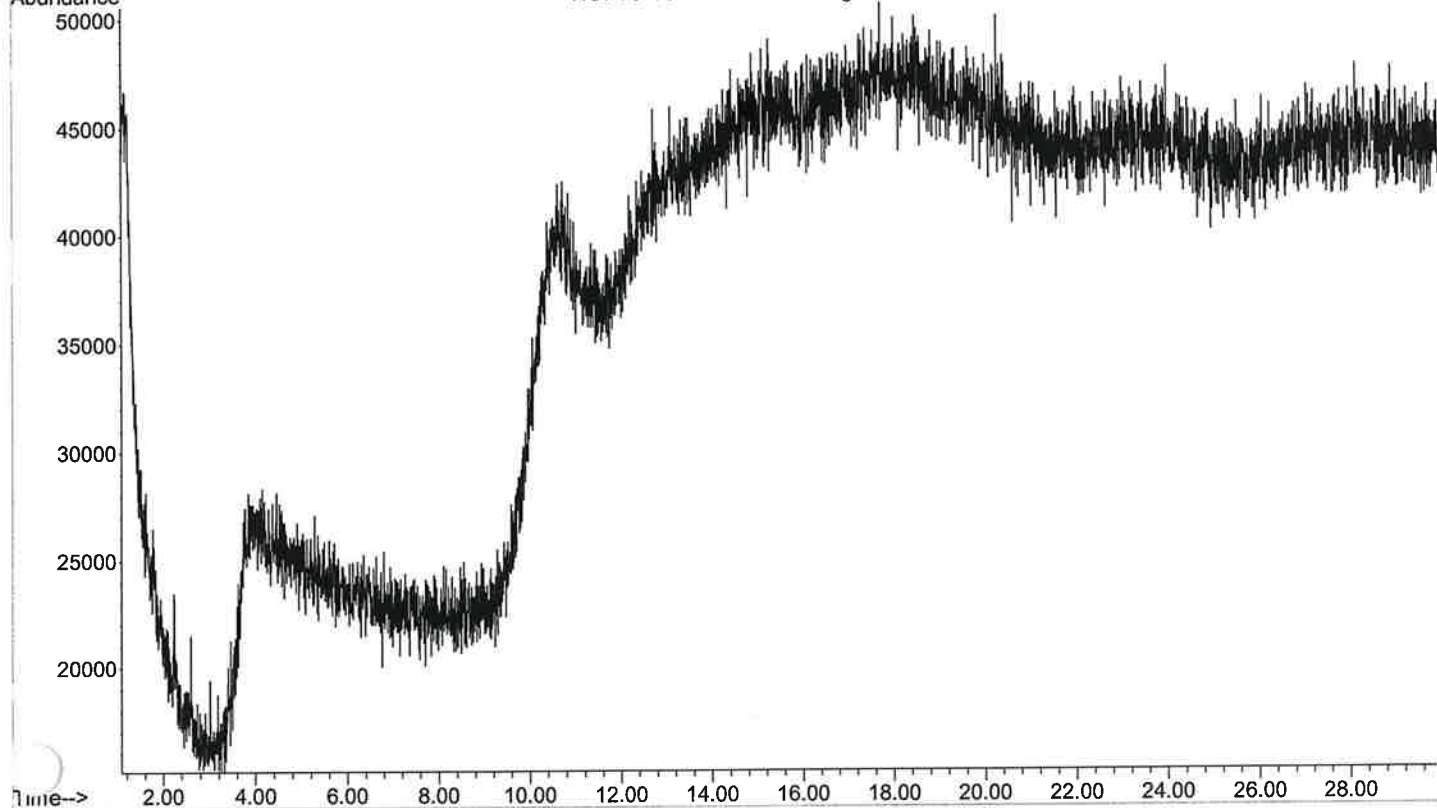
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 11 Oct 2014 00:08

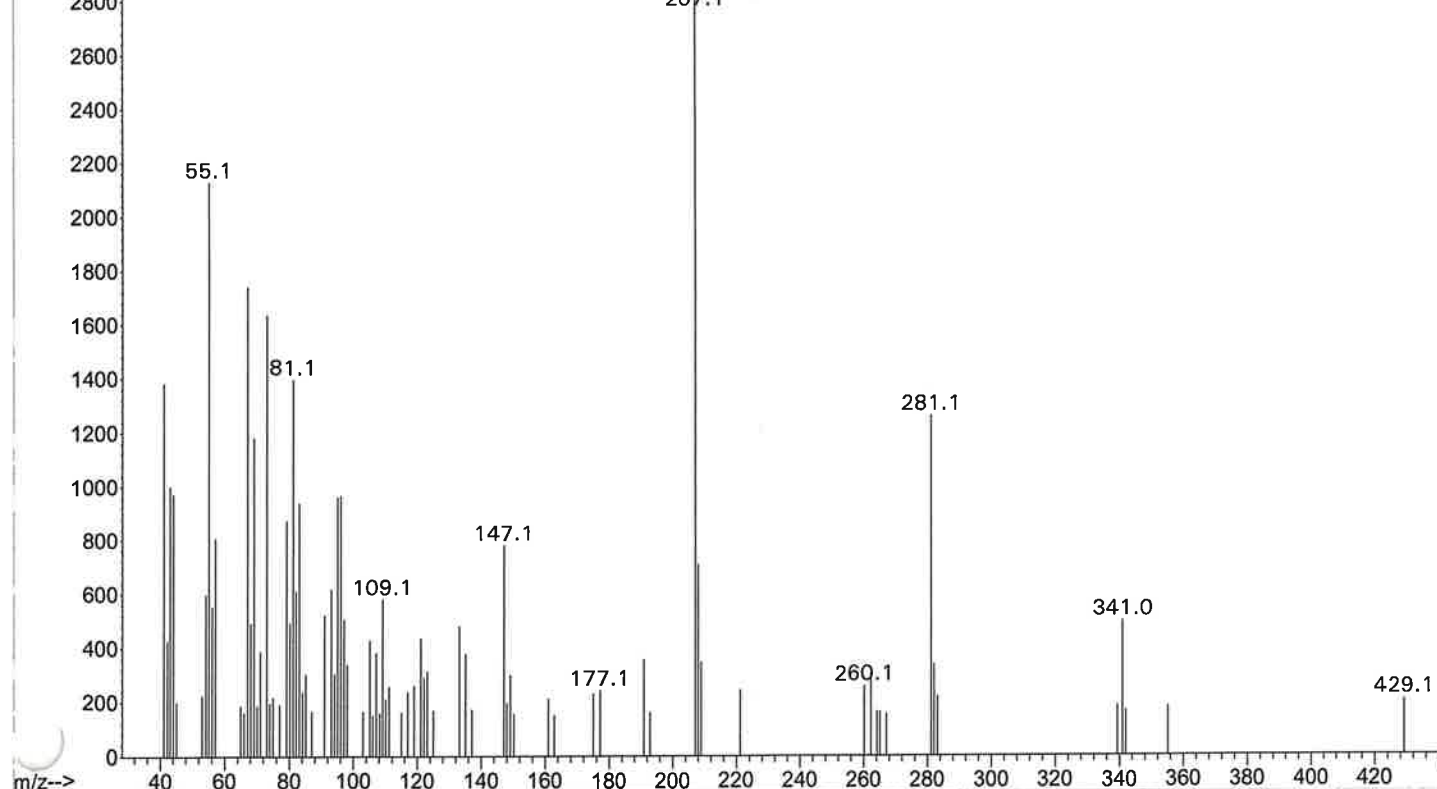
Information: Methanol Blank Misc. Information: Methanol 100-280c @70c/min for 30 min

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M

Abundance TIC: 10-10-14 M ASMSDrugsTI.D\data.ms



Abundance Scan 1644 (10.653 min): 10-10-14 M ASMSDrugsTI.D\data.ms



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugsTI(2).D

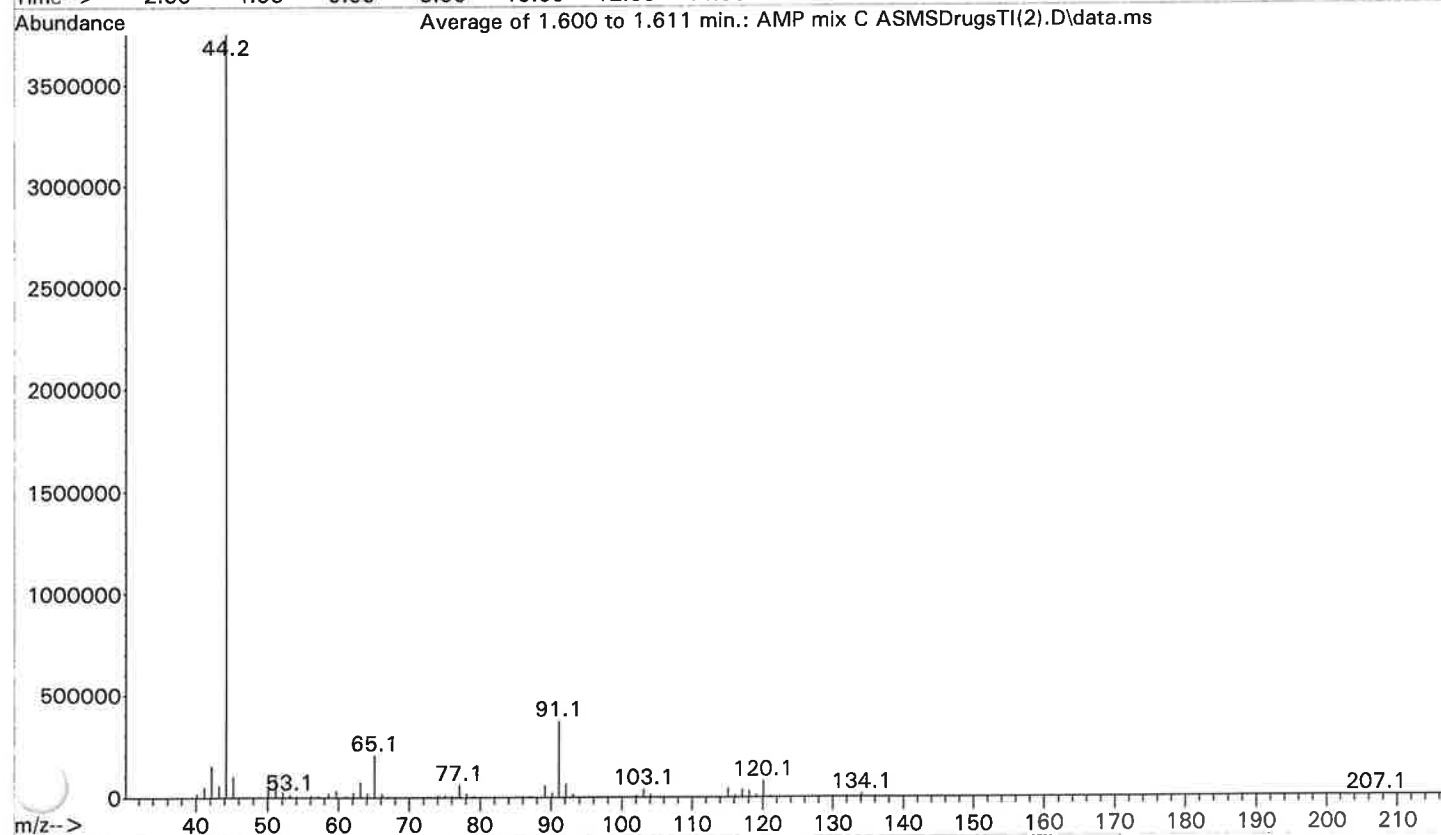
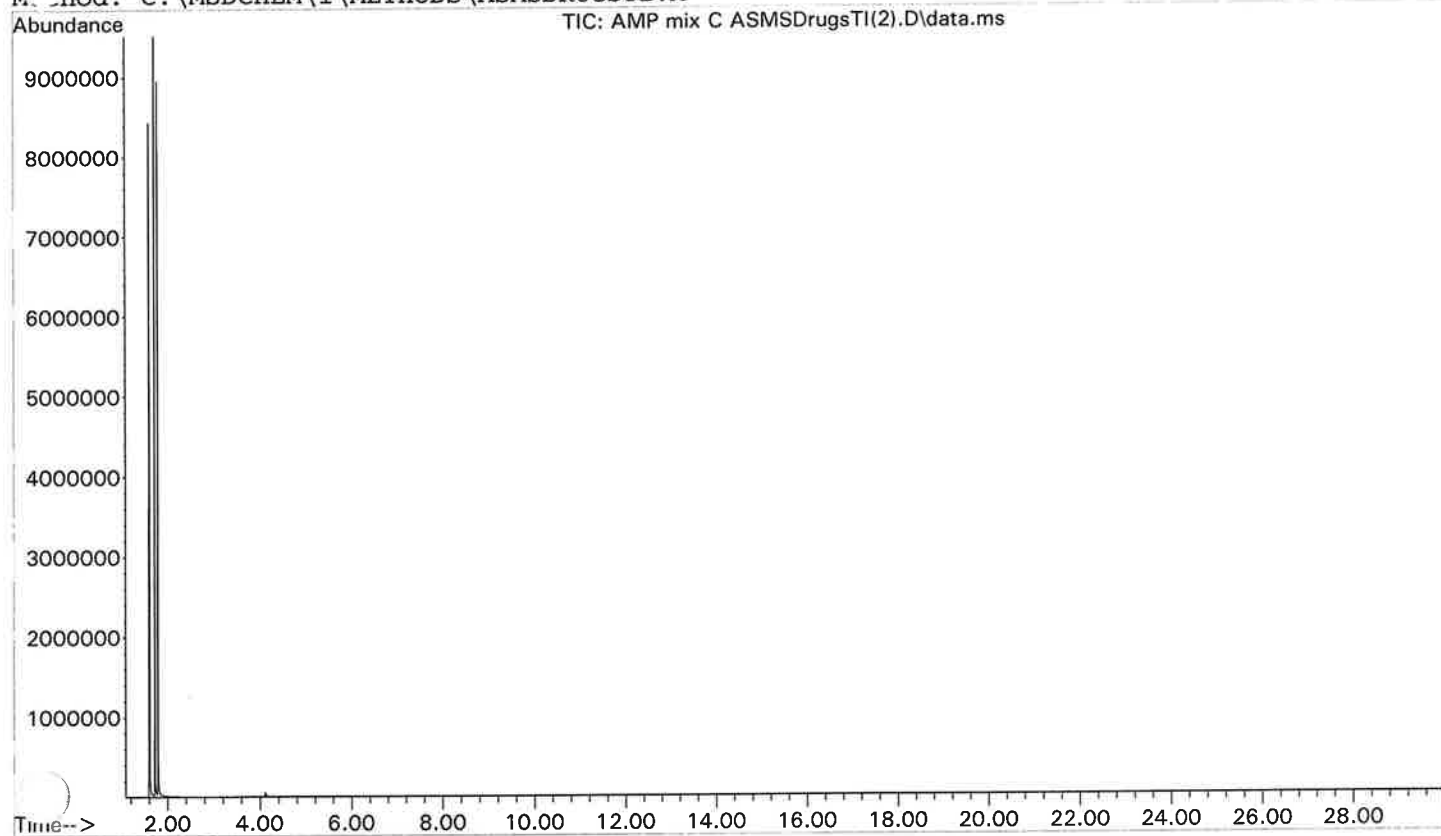
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 13 Oct 2014 15:38

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602 Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugsTI(2).D

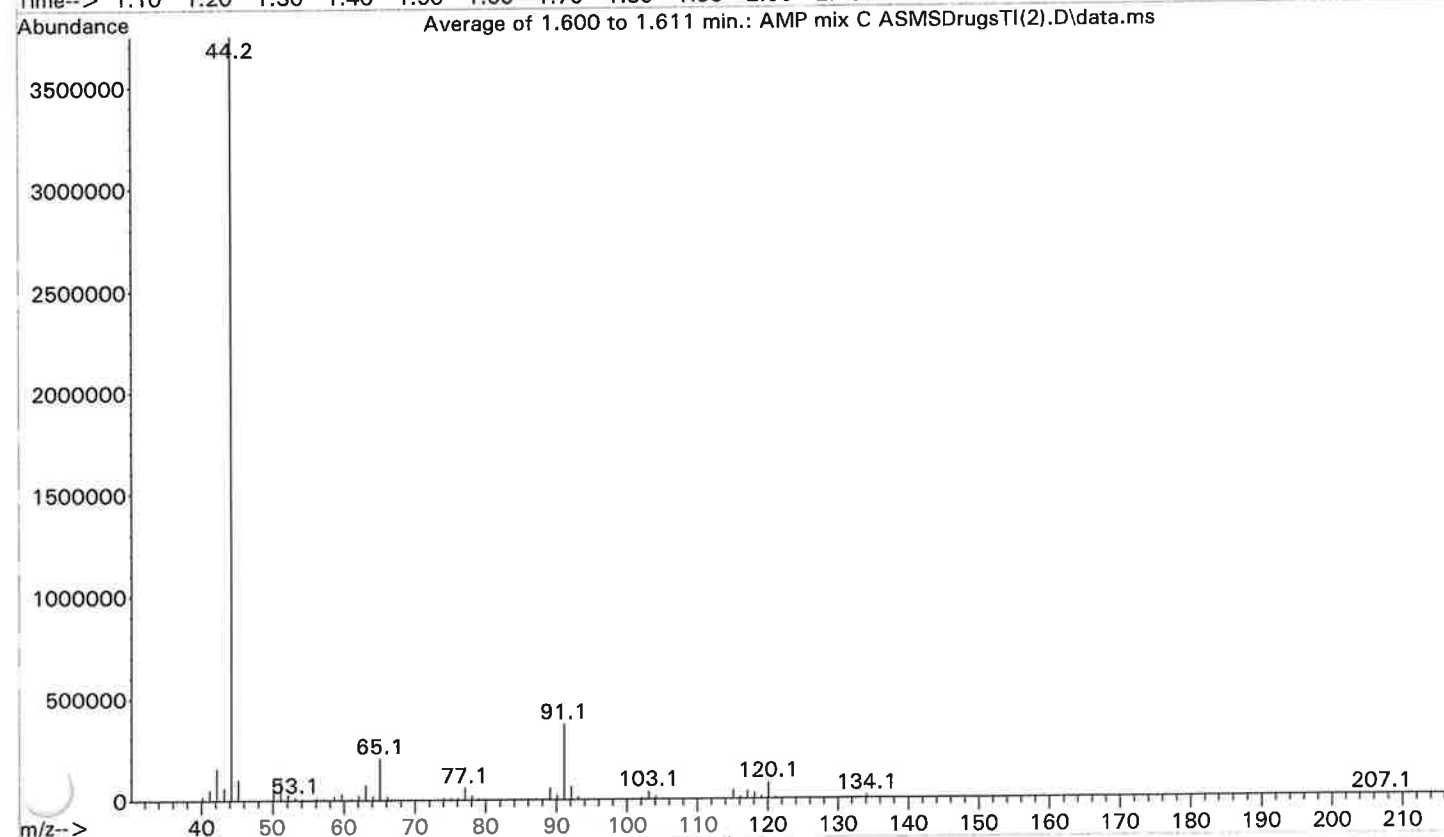
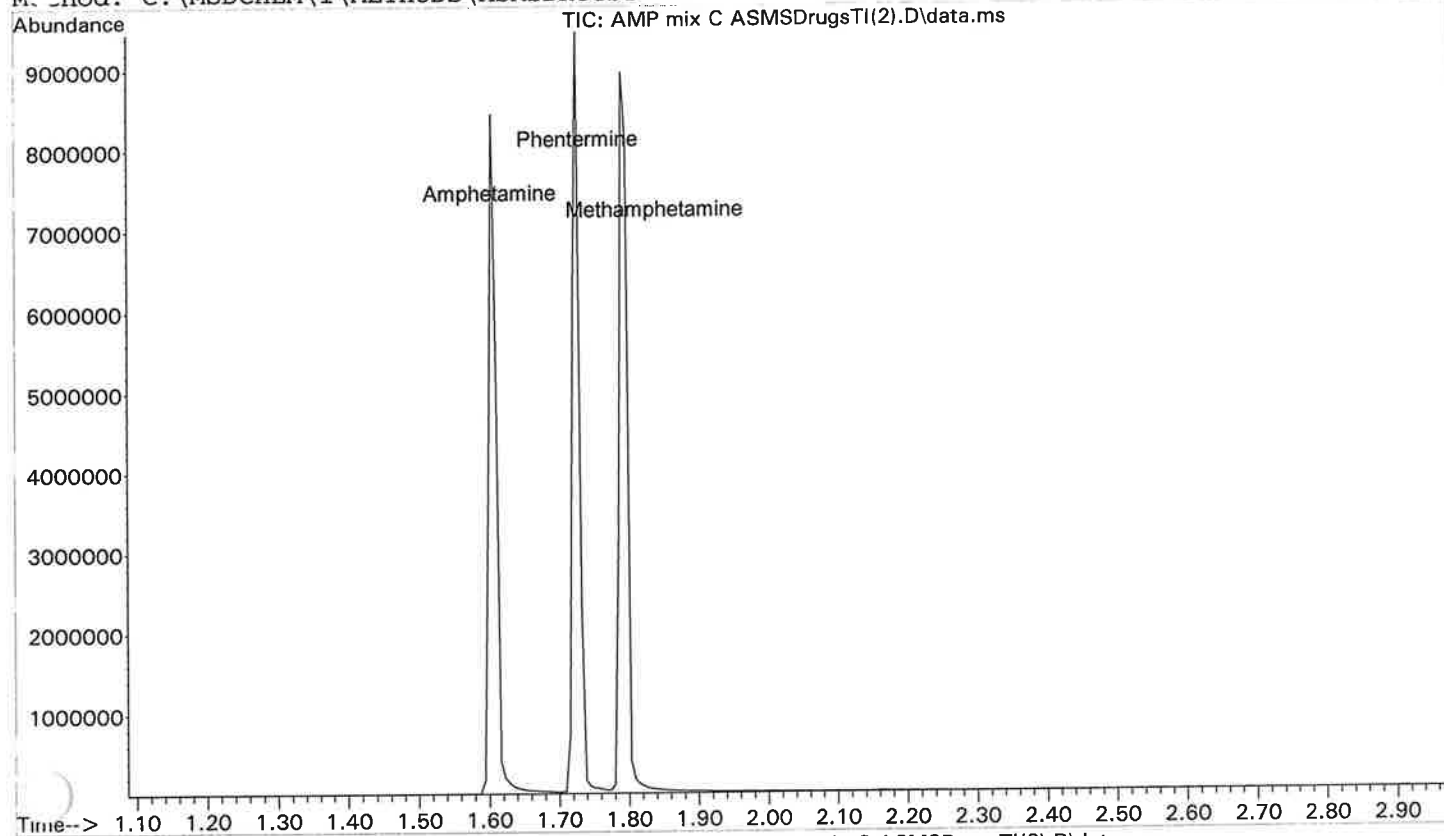
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by Lela Jackson on 13 Oct 2014 15:38

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASMSDrugsTI.D

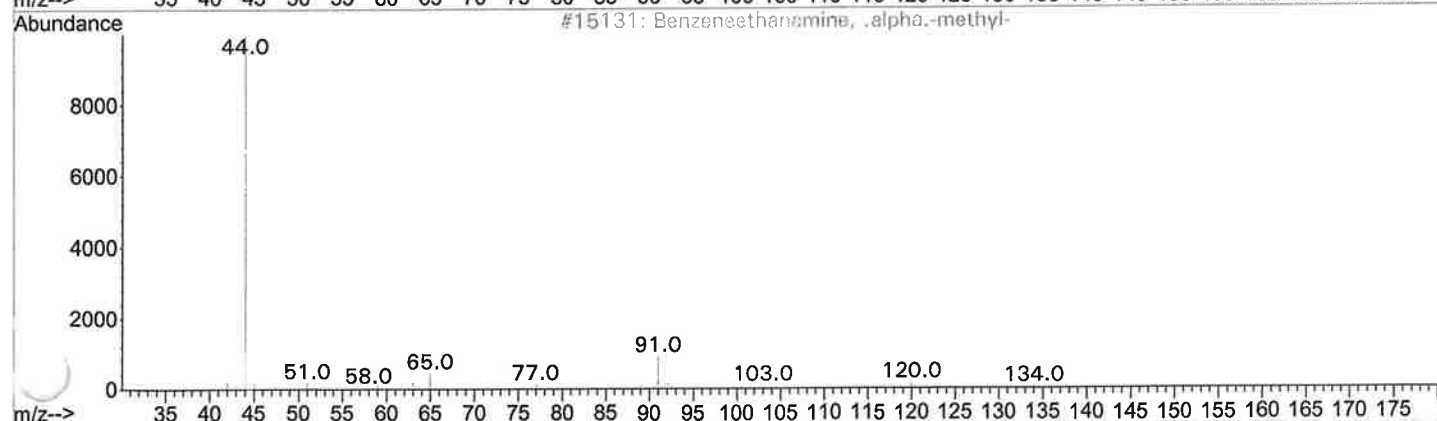
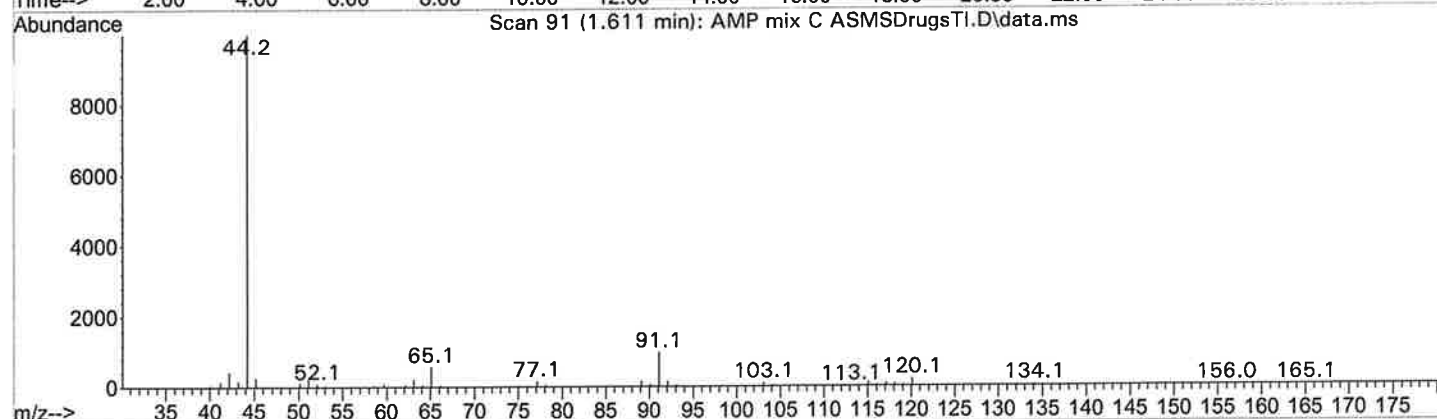
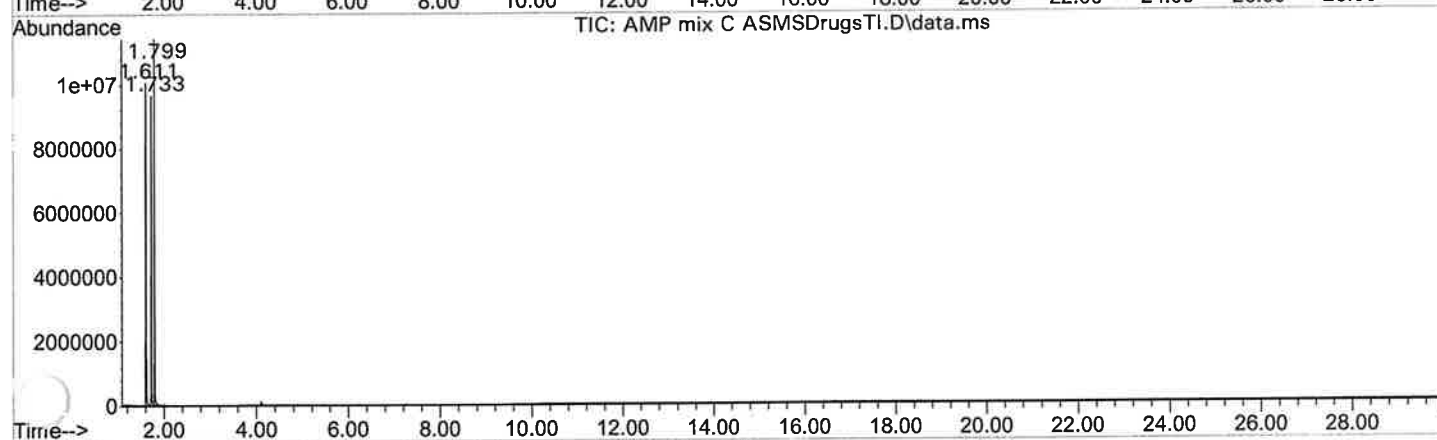
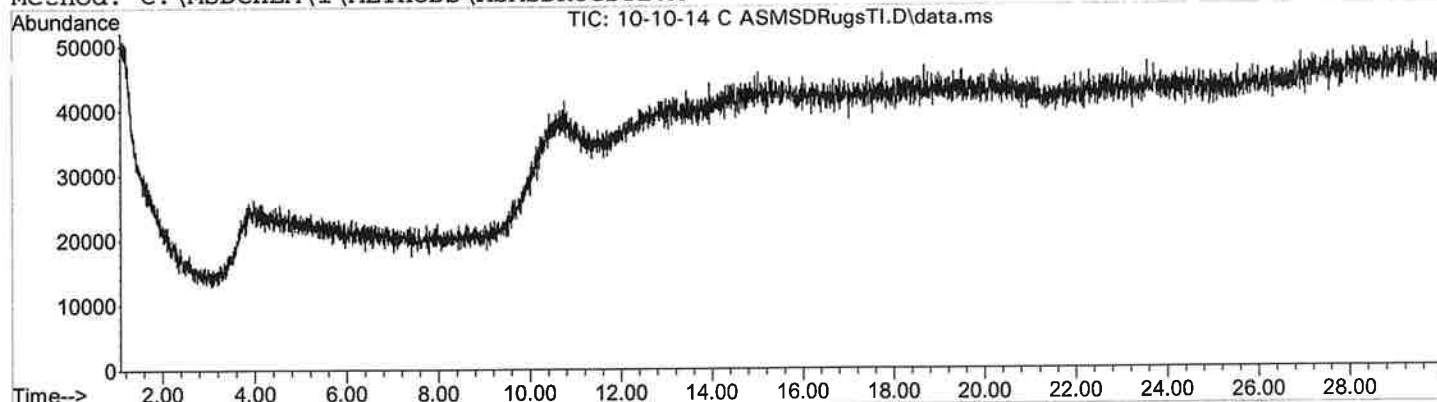
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 23:34

Information: Amphetamine, Methamphetamine, Phentermine Misc. Information: Chloroform 100-280c @

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix ASMSDrugsTI.D

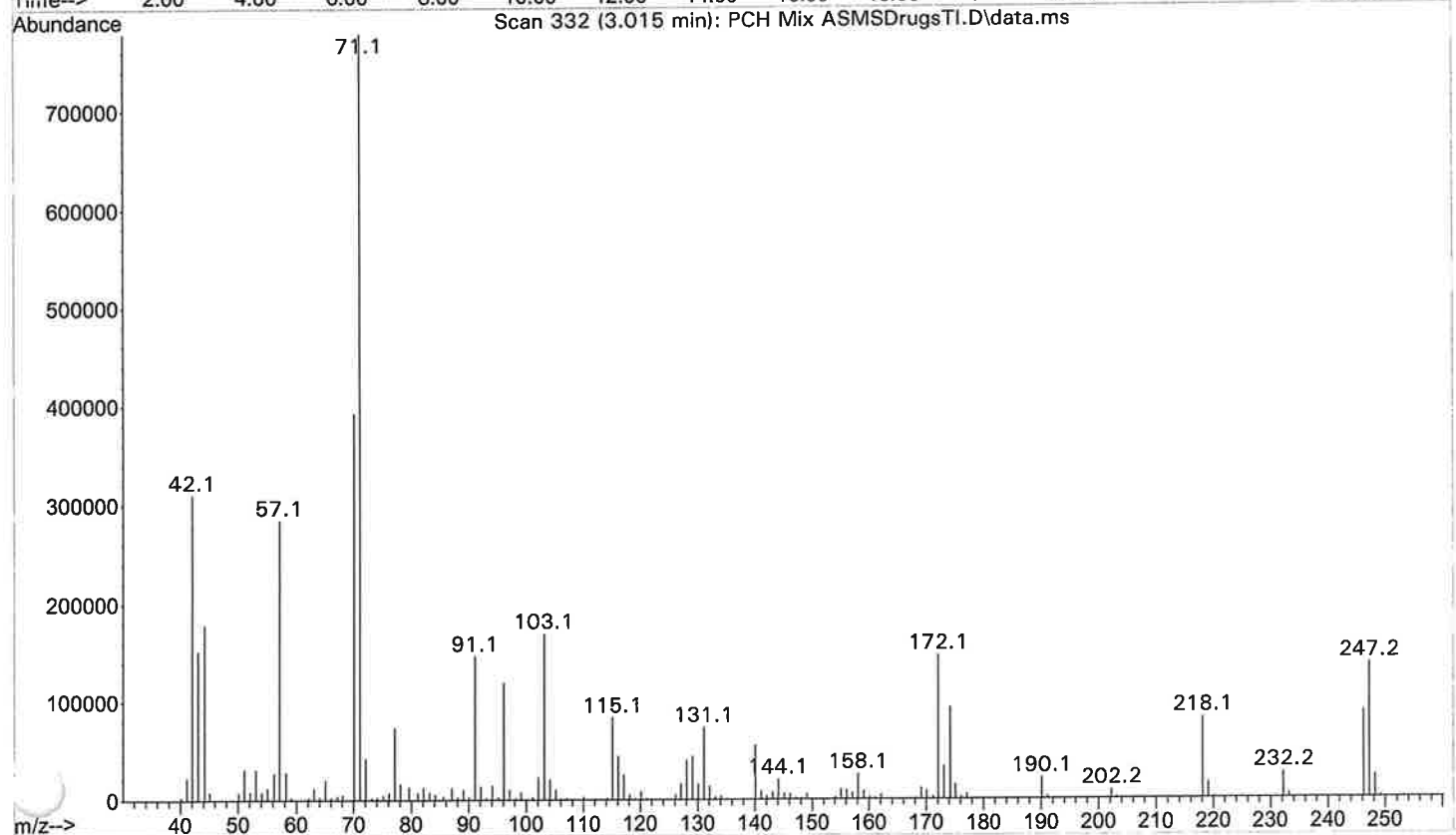
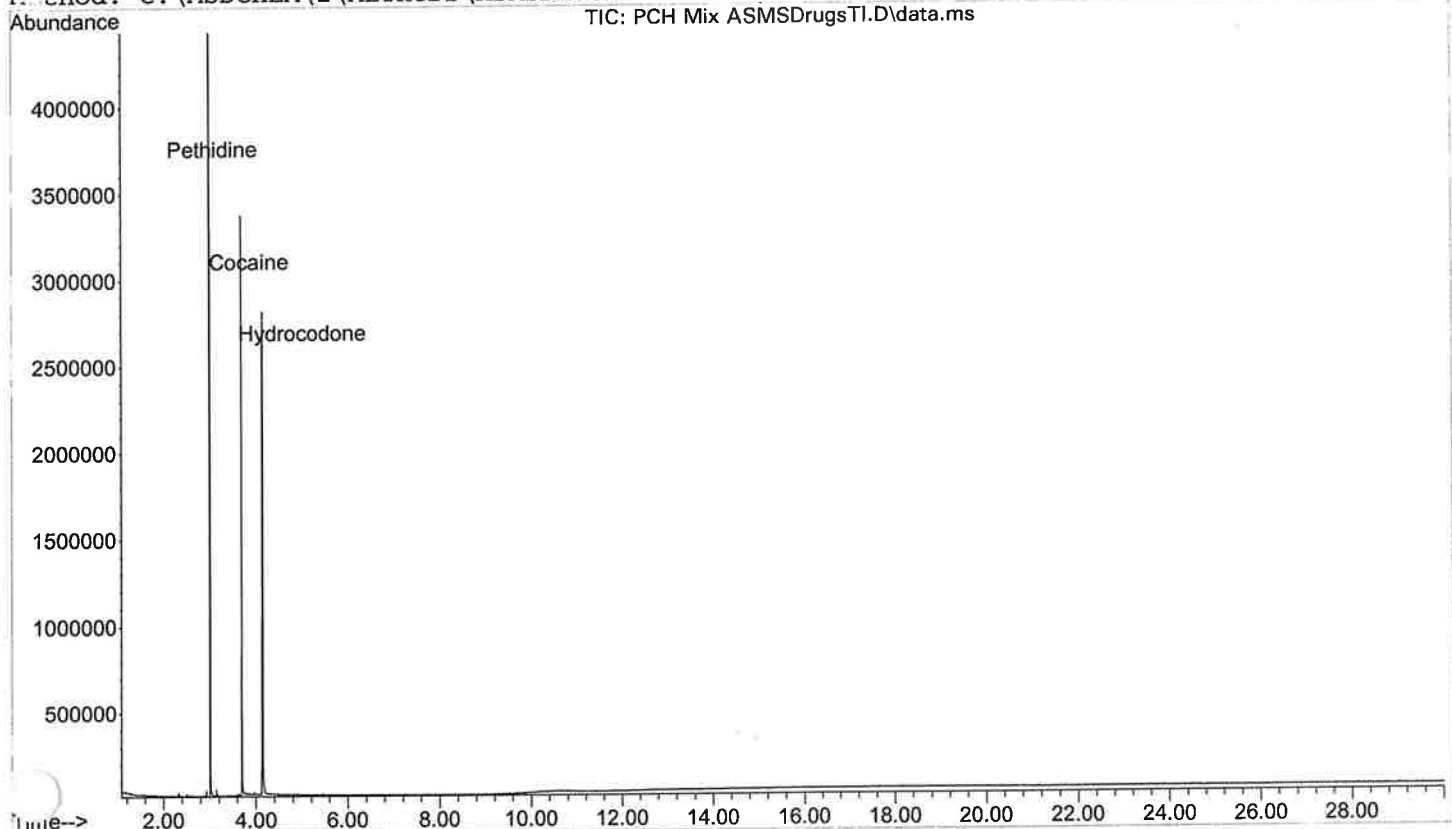
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 11 Oct 2014 00:43

Information: Pethidine, Cocaine, Hydrocodone Misc. Information: Methanol 100-280c @70c/min for

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\JNT Mix ASMSDrugsTI.D

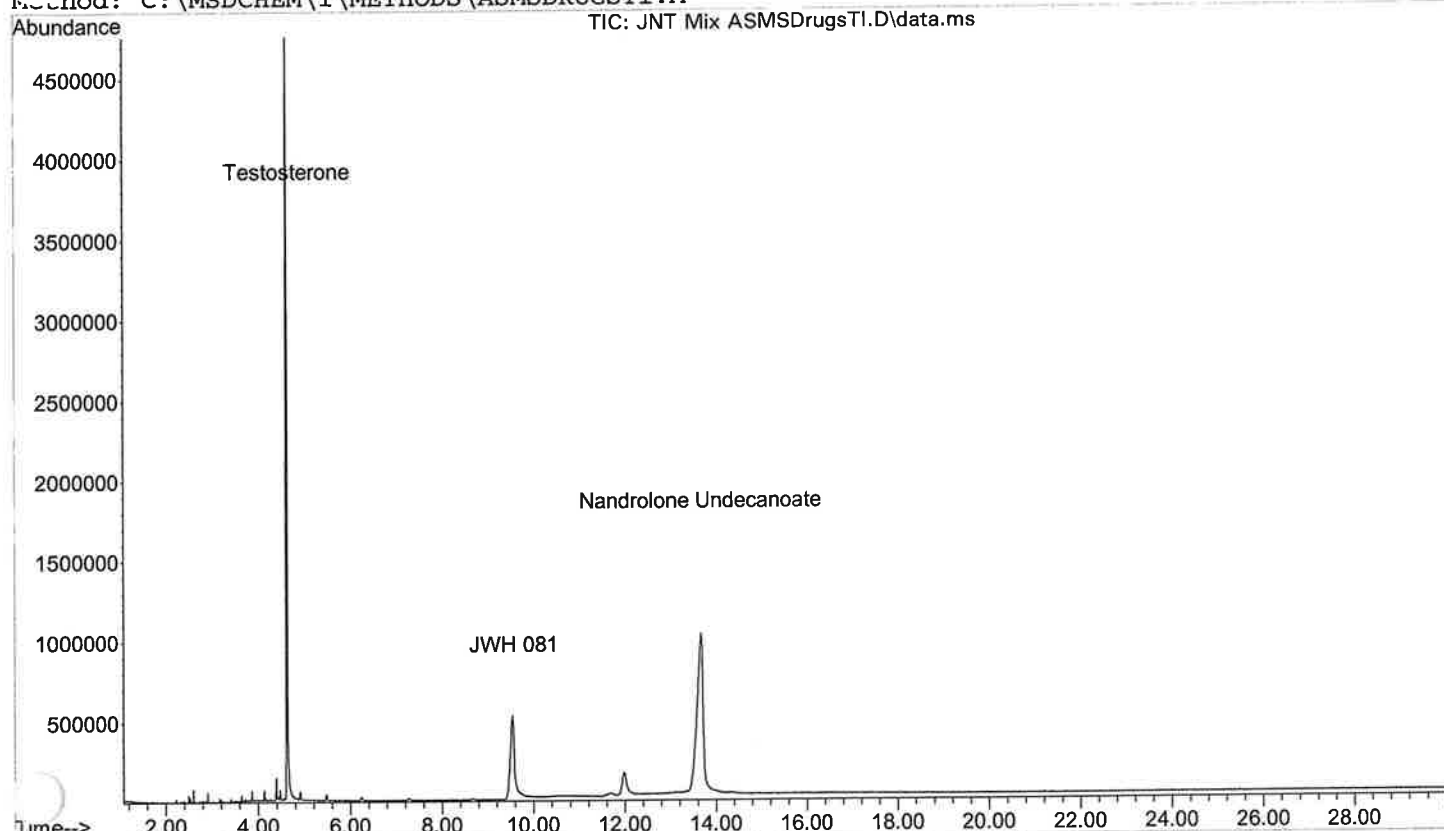
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 11 Oct 2014 1:28

Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Methanol 100-280c

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 C ASMSDRugsTI.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

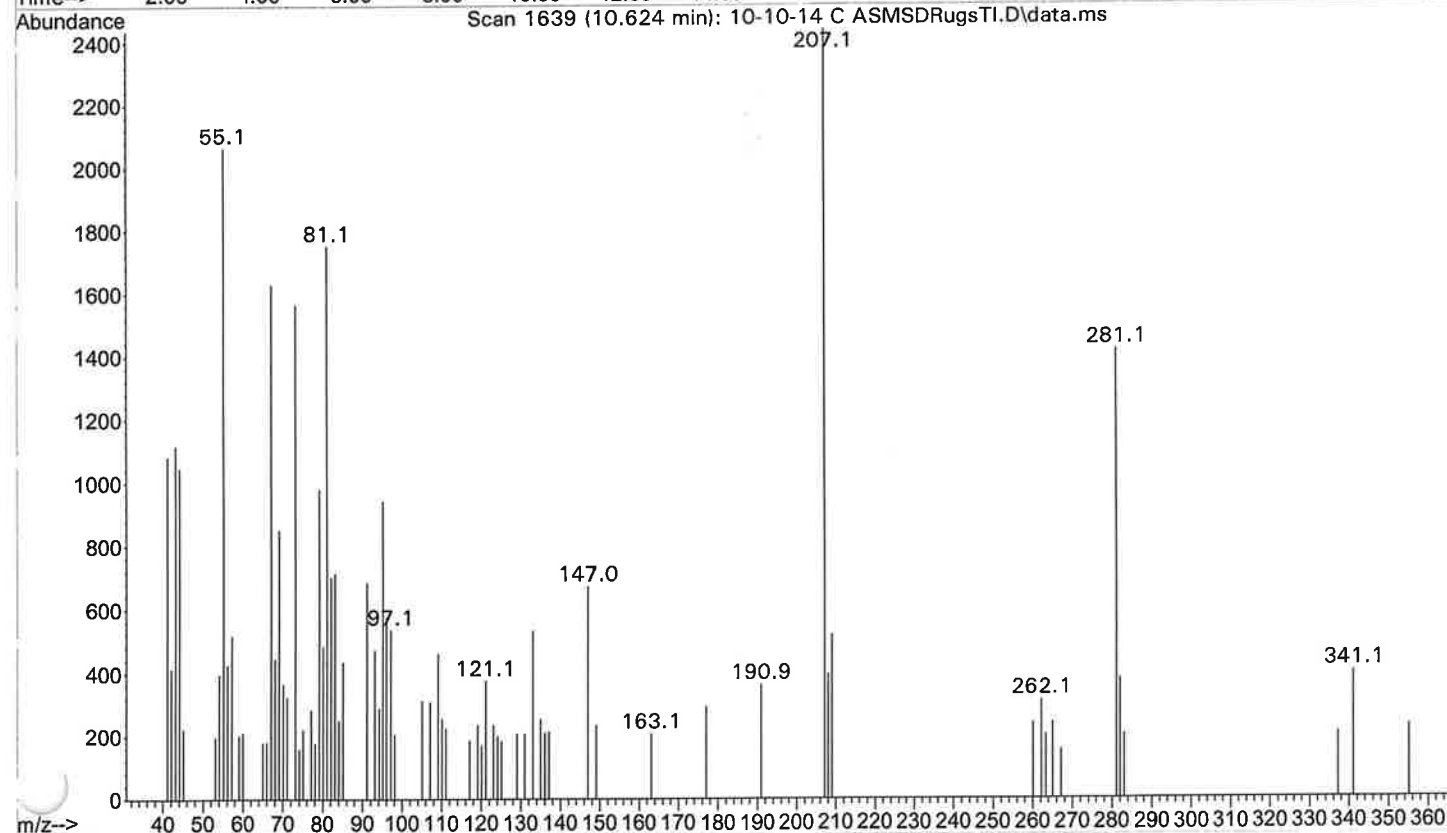
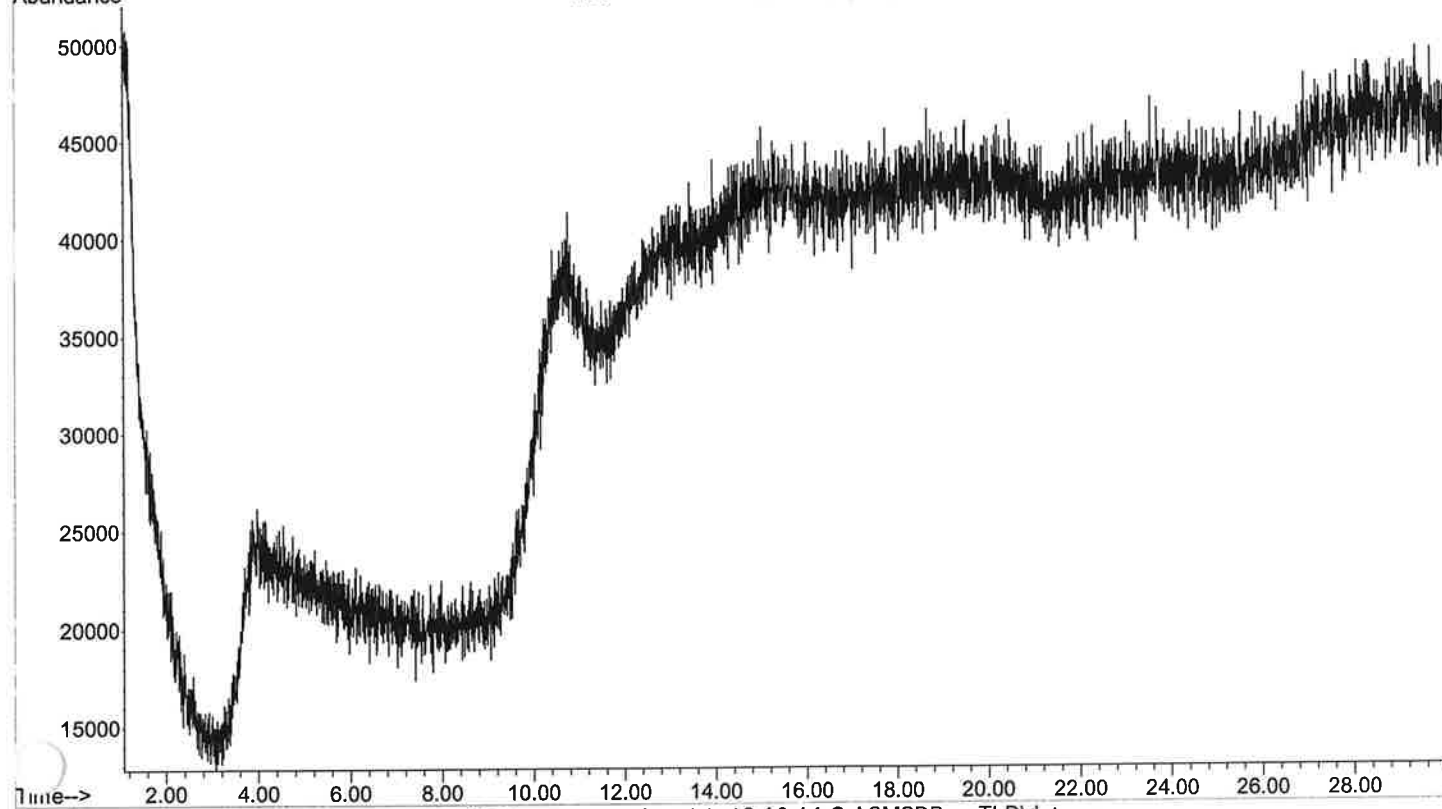
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 22:59

Information: Chloroform Blank Misc. Information: Chloroform 100-280c @70c/min for 30 min

Method: C:\MSDCHEM\1\METHODS\ASMSDRUGSTI.M

Abundance TIC: 10-10-14 C ASMSDRugsTI.D\data.ms



Column: a 12.5 m J&W 19091S-602

Initial pressure: 8.49 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 100 'C held for 1.00 min Ramp:Rate Final temp

70.00

280

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-10-14 M ASMS280ISO.D

Instrument: JAVA (model: 5973N Serial number: US44630695)

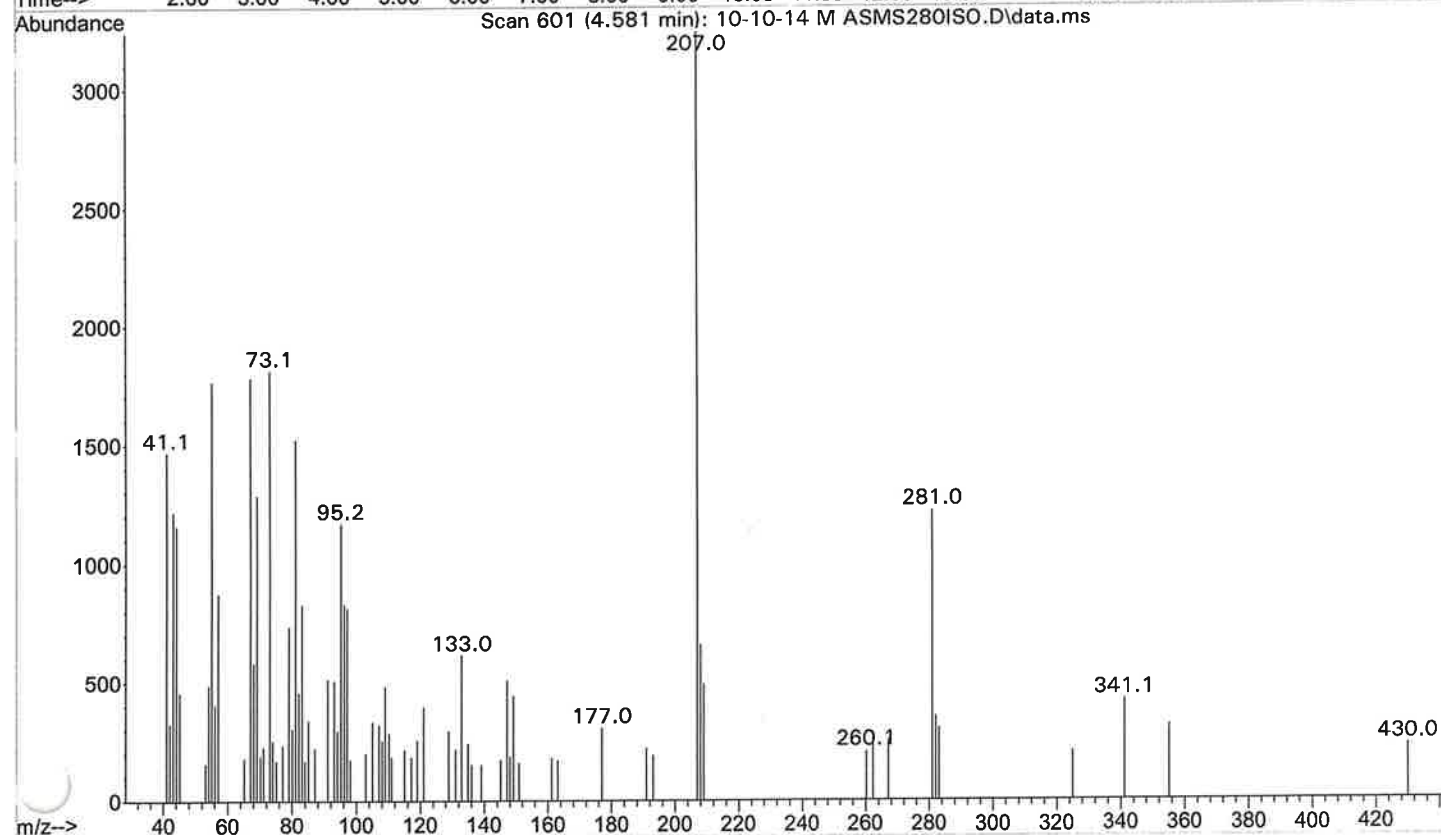
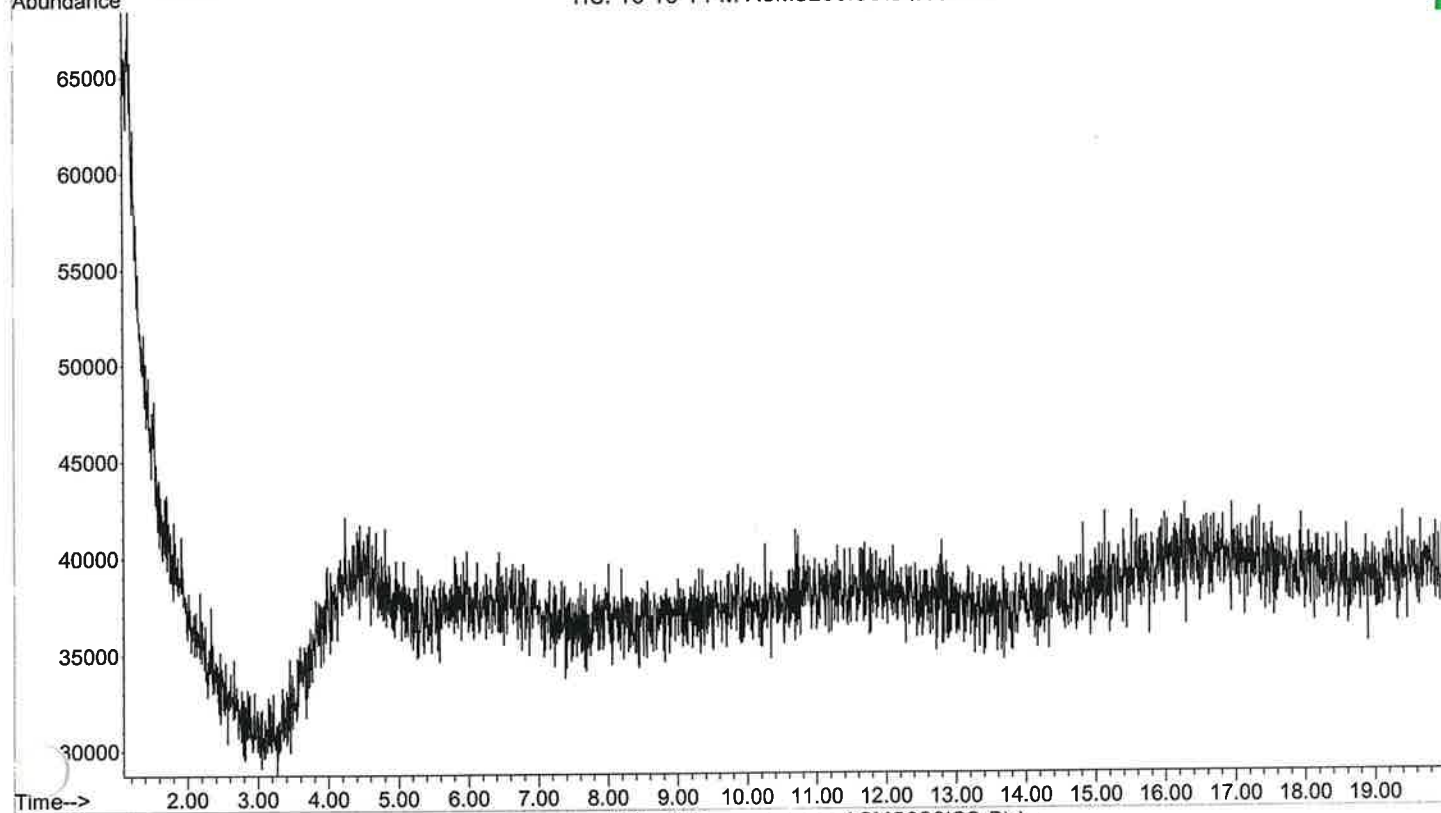
Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 20:21

Information: Methanol Blank Misc. Information: Methanol 280c for 20 min

Method: C:\MSDCHEM\1\METHODS\ASMS280ISO.M

Abundance TIC: 10-10-14 M ASMS280ISO.D\data.ms



Column: a 12.5 m J&W 19091S-602 Initial pressure: 17.58 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

Initial oven temp: 280 'C held for 1.00 min Ramp:Rate Final temp

70.00 280

ASMS280ISO

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\JNT Mix ASMS280ISO.D

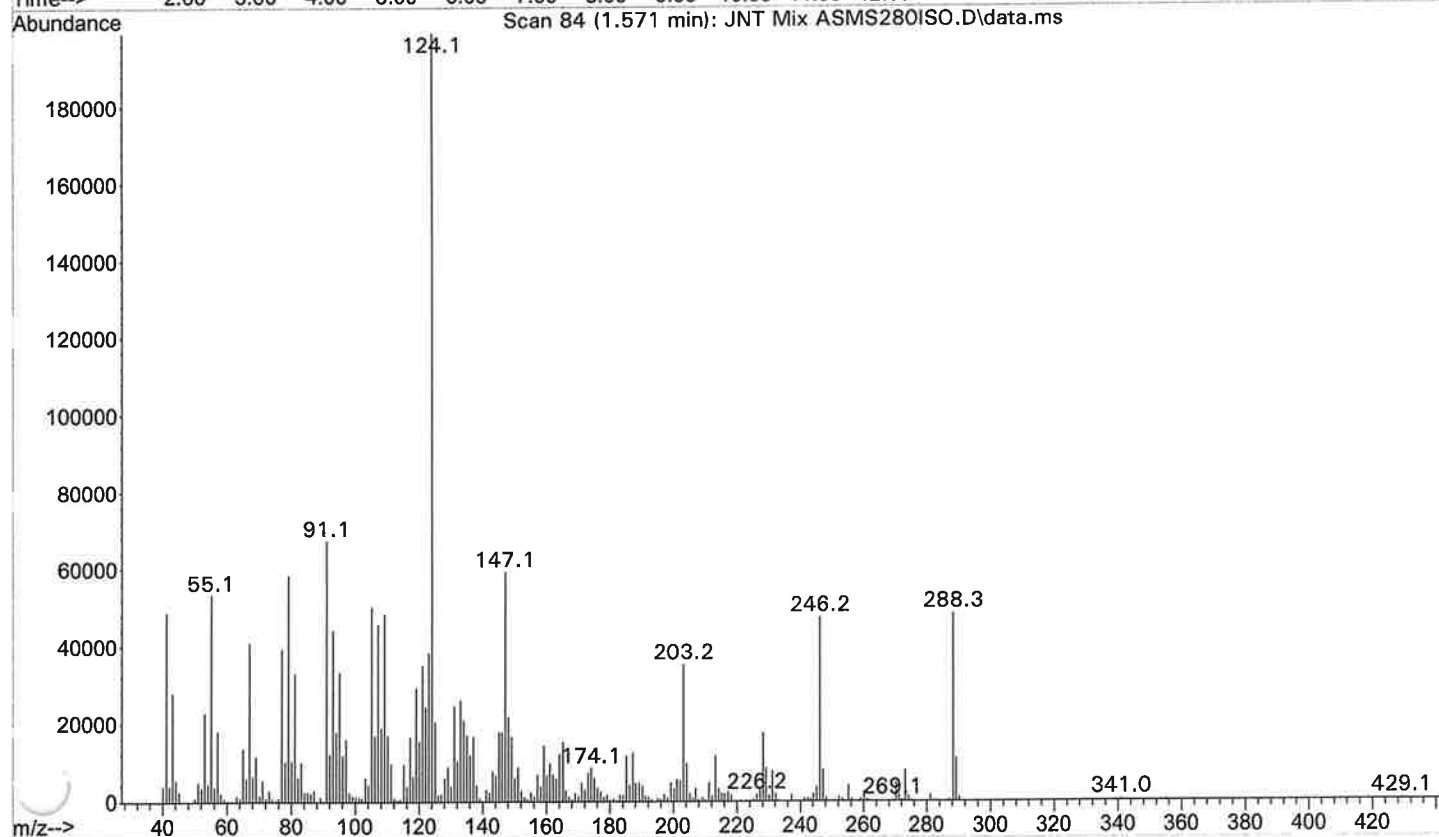
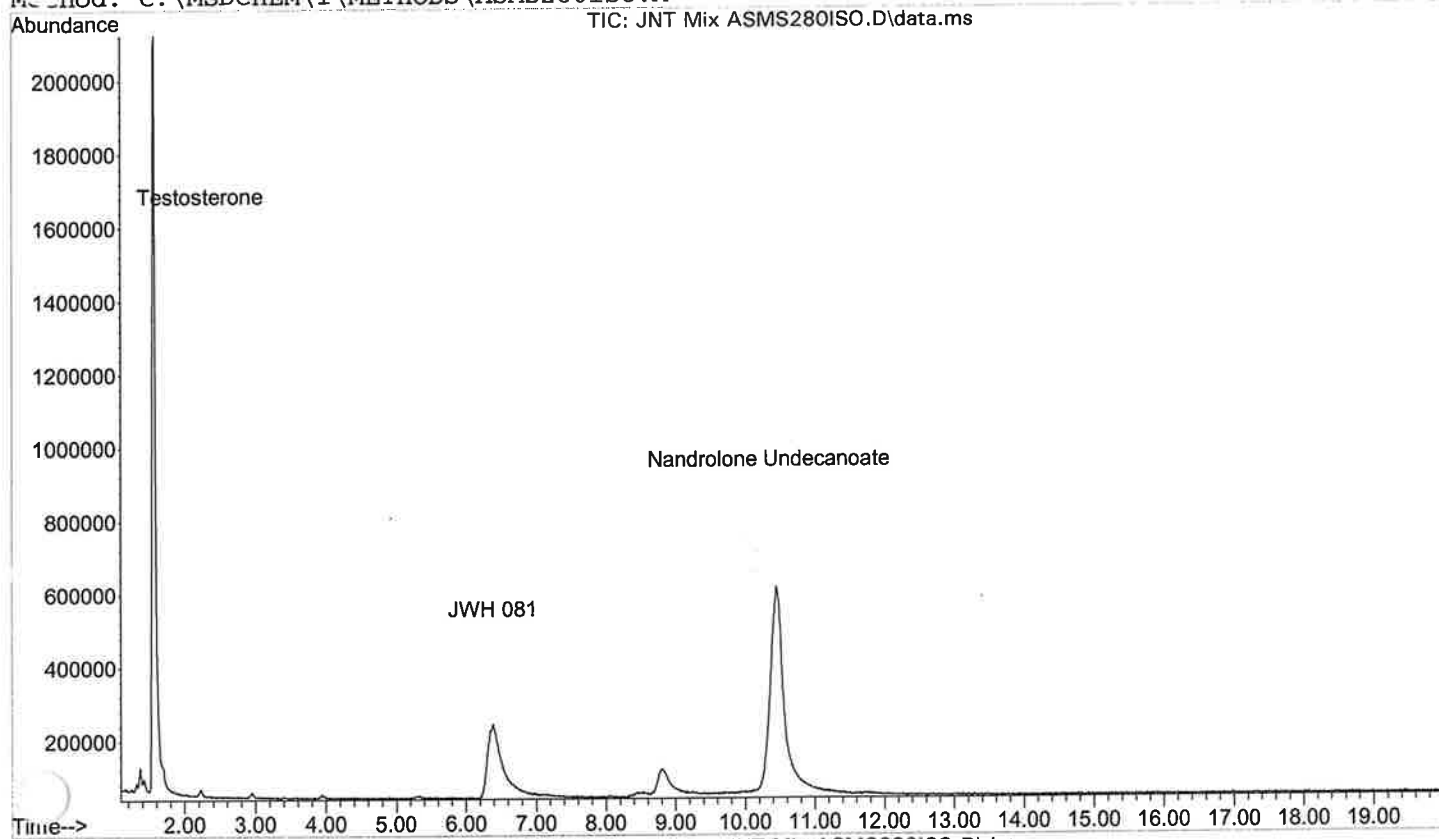
Instrument: JAVA (model: 5973N Serial number: US44630695)

Tuned on 10 Oct 2014 5:27 pm Scanned from 40.00 to 550.00 amu

Acquired by DENOTRIA F. PATTERSON on 10 Oct 2014 20:43

Information: JWH 081, Nandrolone Undecanoate, Testosterone Misc. Information: Methanol 280c fo

Method: C:\MSDCHEM\1\METHODS\ASMS280ISO.M



Column: a 12.5 m J&W 19091S-602

Initial pressure: 17.58 psi

Inlet temperature: 250 'C Split Ratio: 50:1 Transfer Line Temp: 280 'C

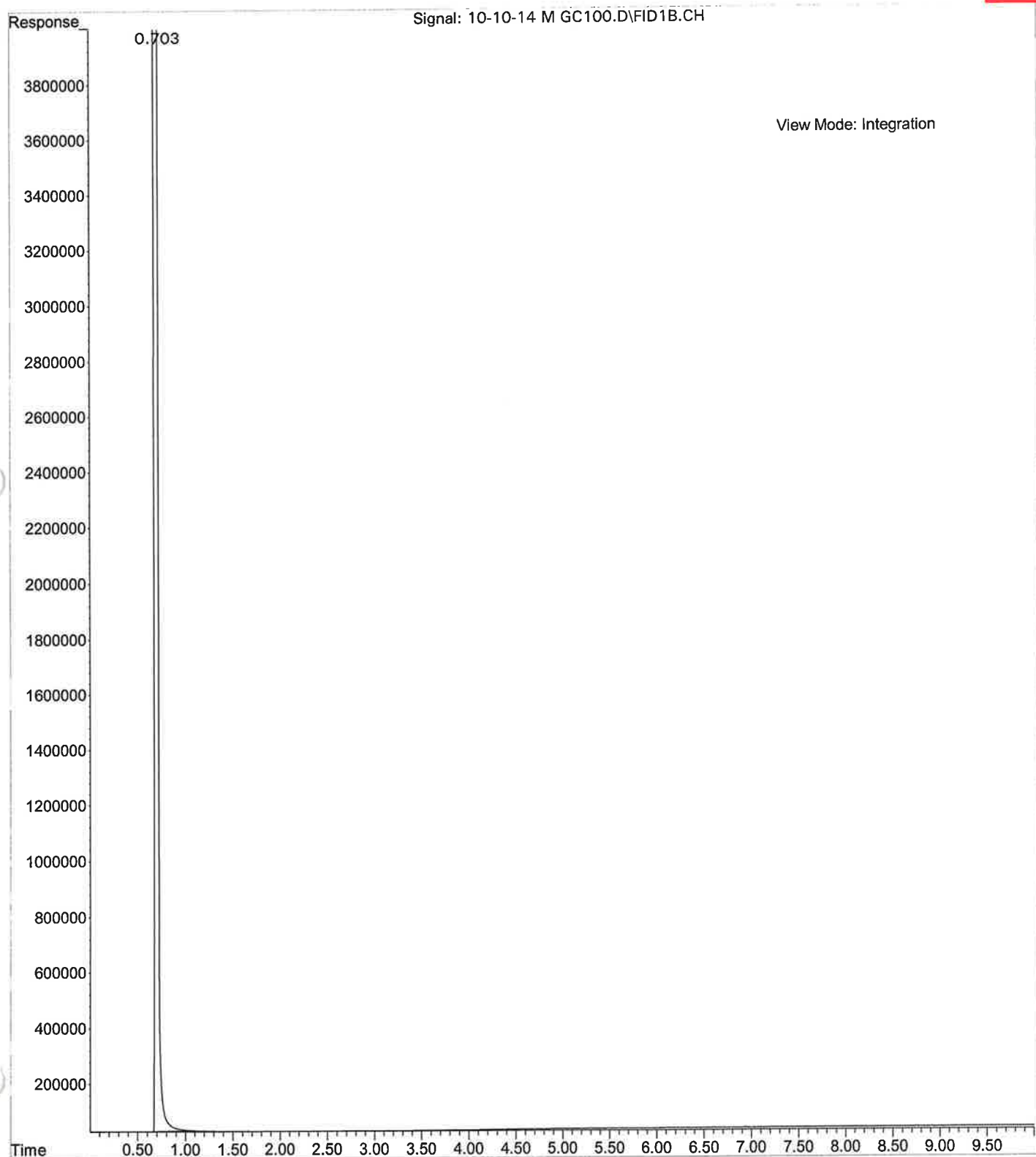
Initial oven temp: 280 'C held for 1.00 min Ramp:Rate Final temp

70.00

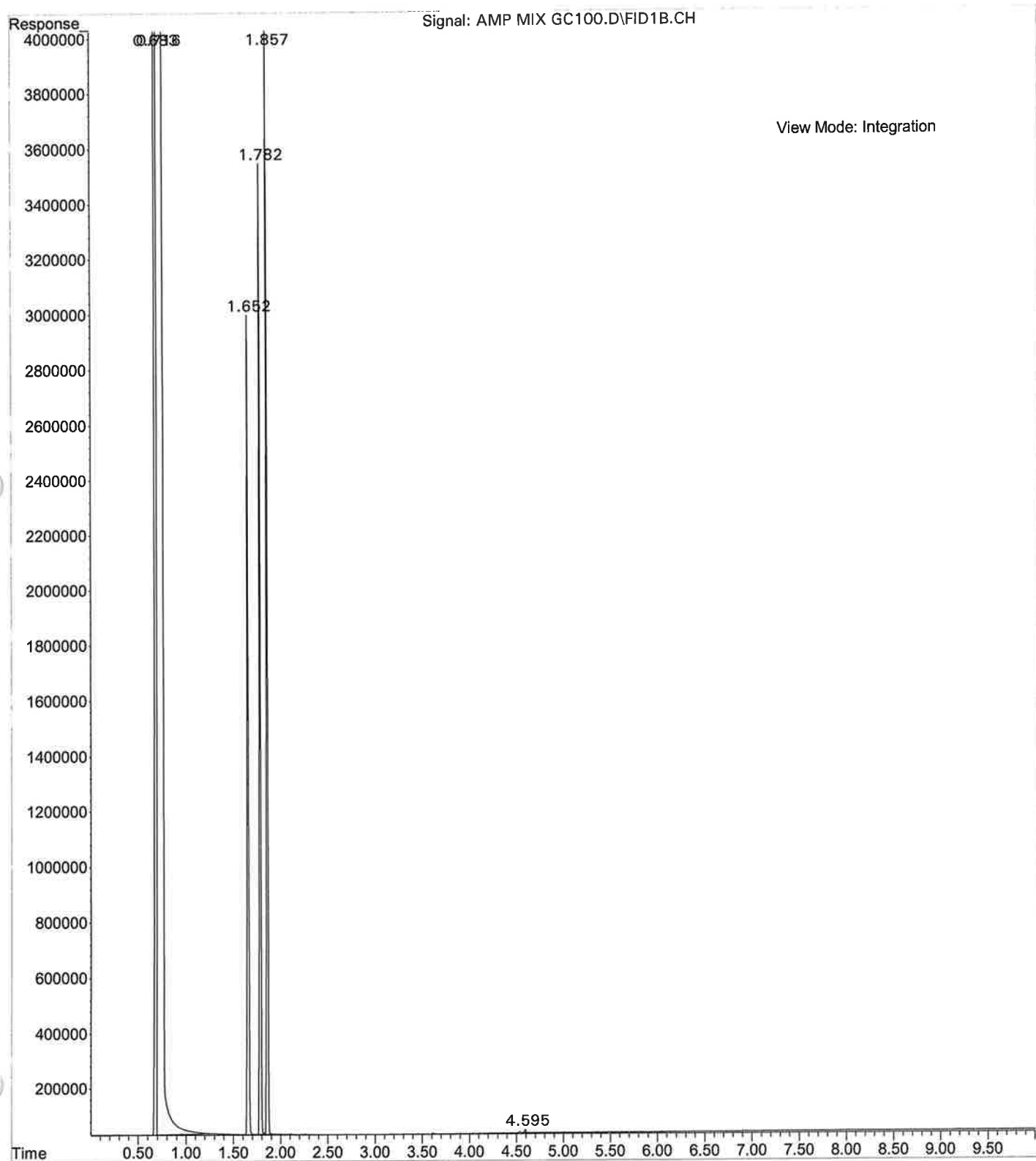
280

File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 M GC100.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 14:48 using AcqMethod GC100.M
Instrument : JAVA
Sample Name: Methanol Blank
Misc Info : Methanol 100-280c @70c/min for 10 min
Vial Number: 1

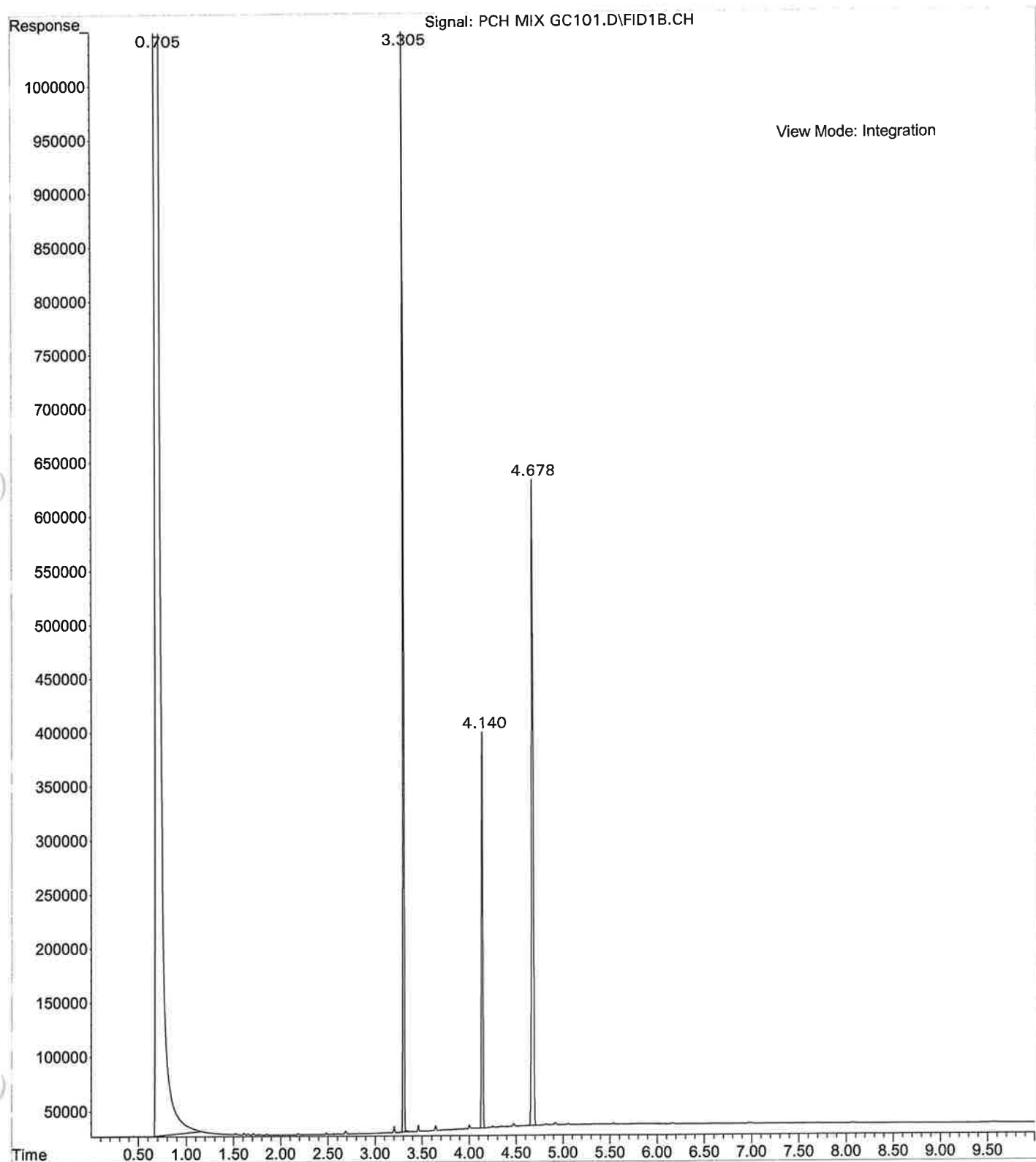
GC100



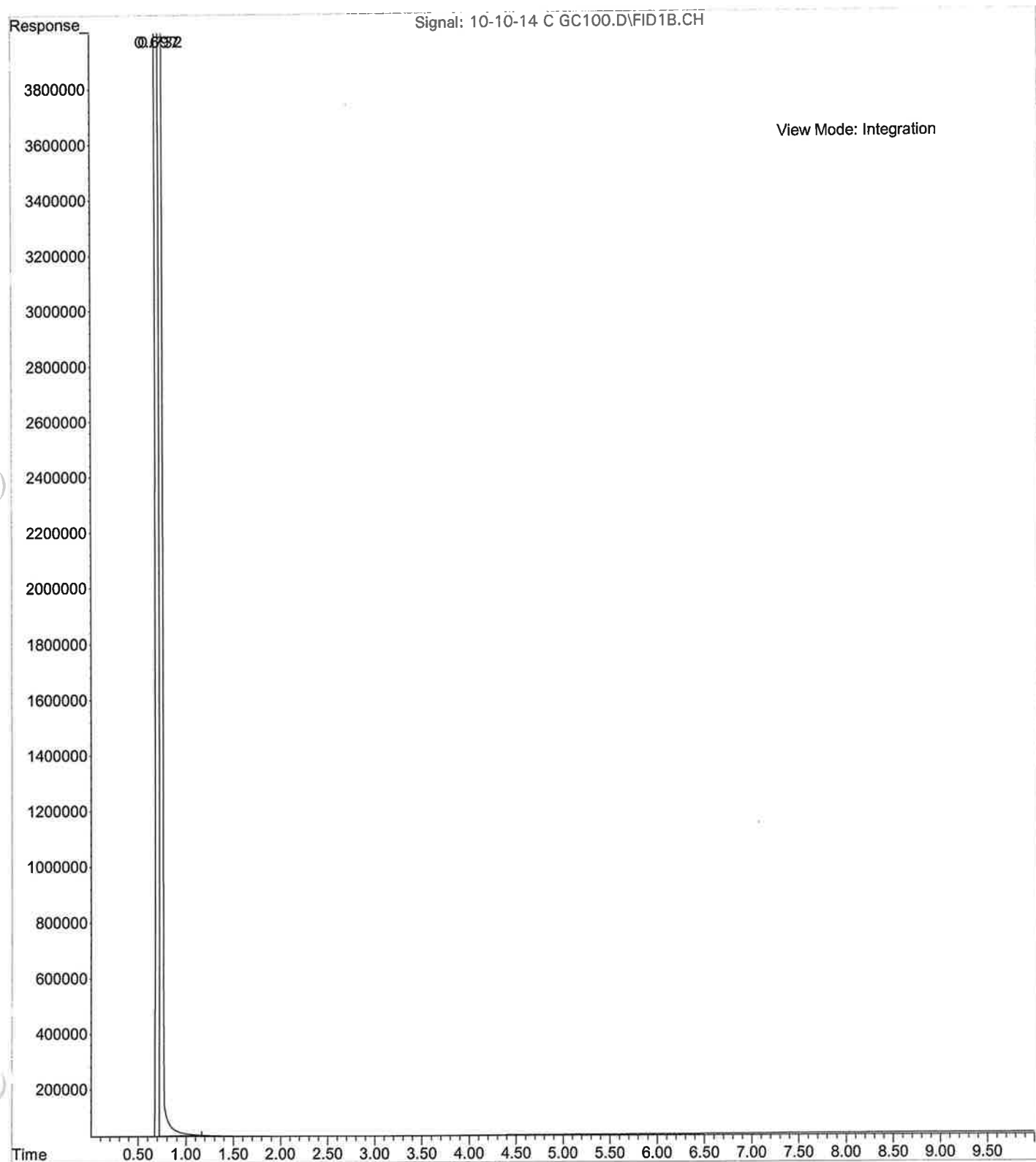
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX GC100.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 14:34 using AcqMethod GC100.M
Instrument : JAVA
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min
Vial Number: 1



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\PCH MIX GC101.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 15:30 using AcqMethod GC100.M
Instrument : JAVA
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 10 min
Vial Number: 5

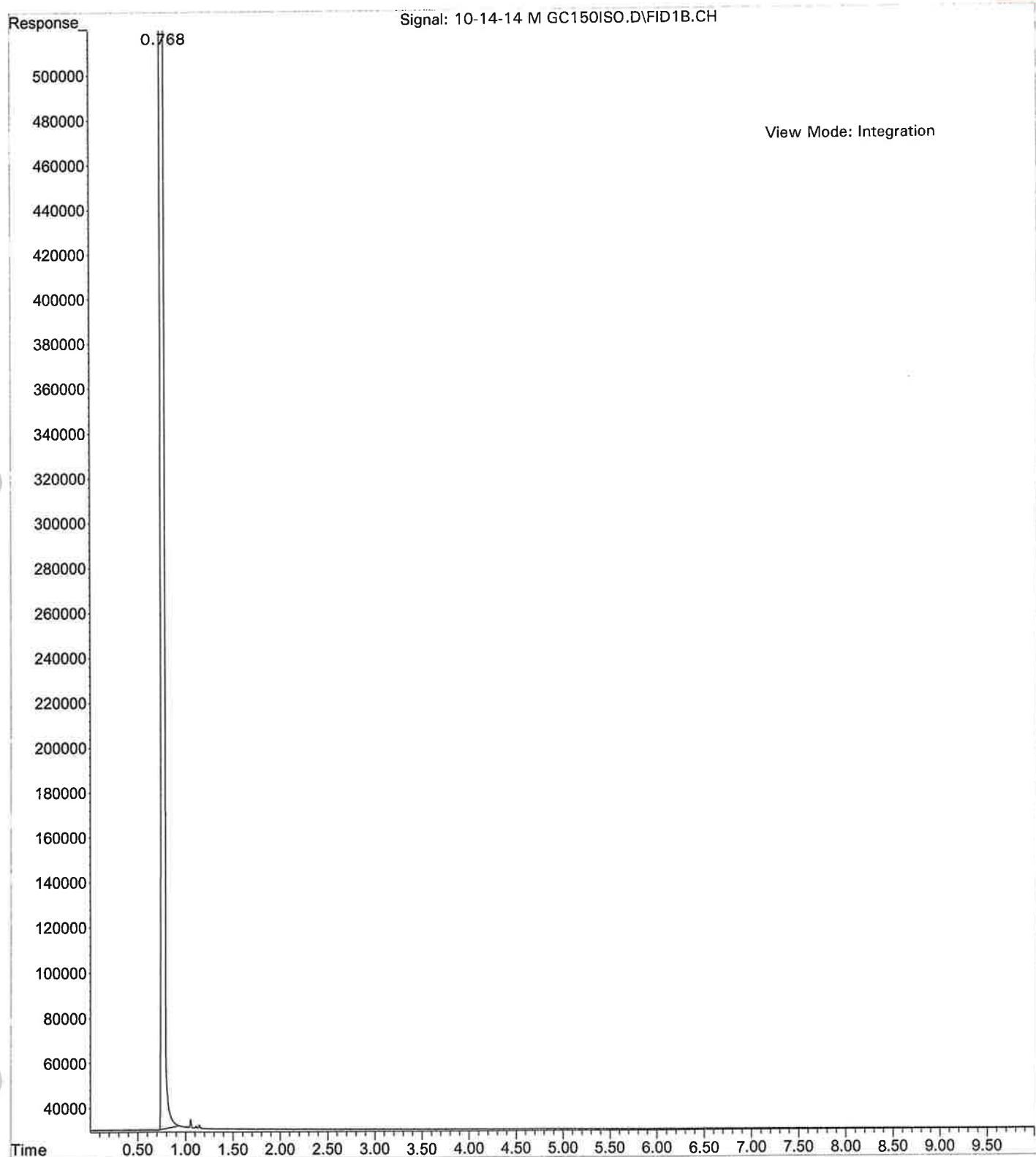


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-10-14 C GC100.D
Operator : Lela Jackson
Acquired : 10 Oct 2014 14:21 using AcqMethod GC100.M
Instrument : JAVA
Sample Name: Chloroform Blank
Misc Info : Chloroform 100-280c @70c/min for 10 min
Vial Number: 1

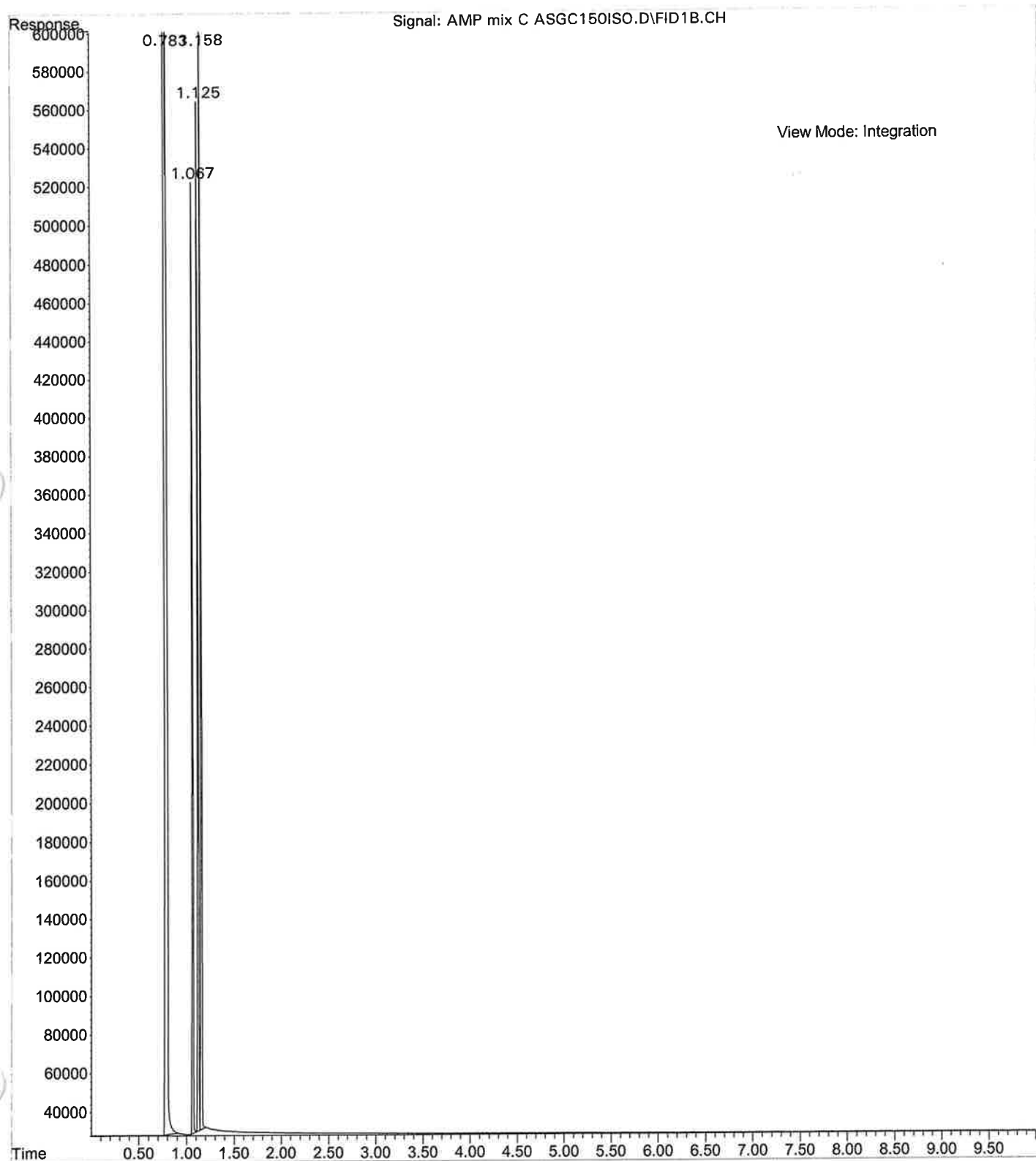


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-14-14 M GC150I
... SO.D
Operator : Lela Jackson
Instrument : JAVA
Acquired : 14 Oct 2014 10:28 using AcqMethod GC150ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 150c for 10 min

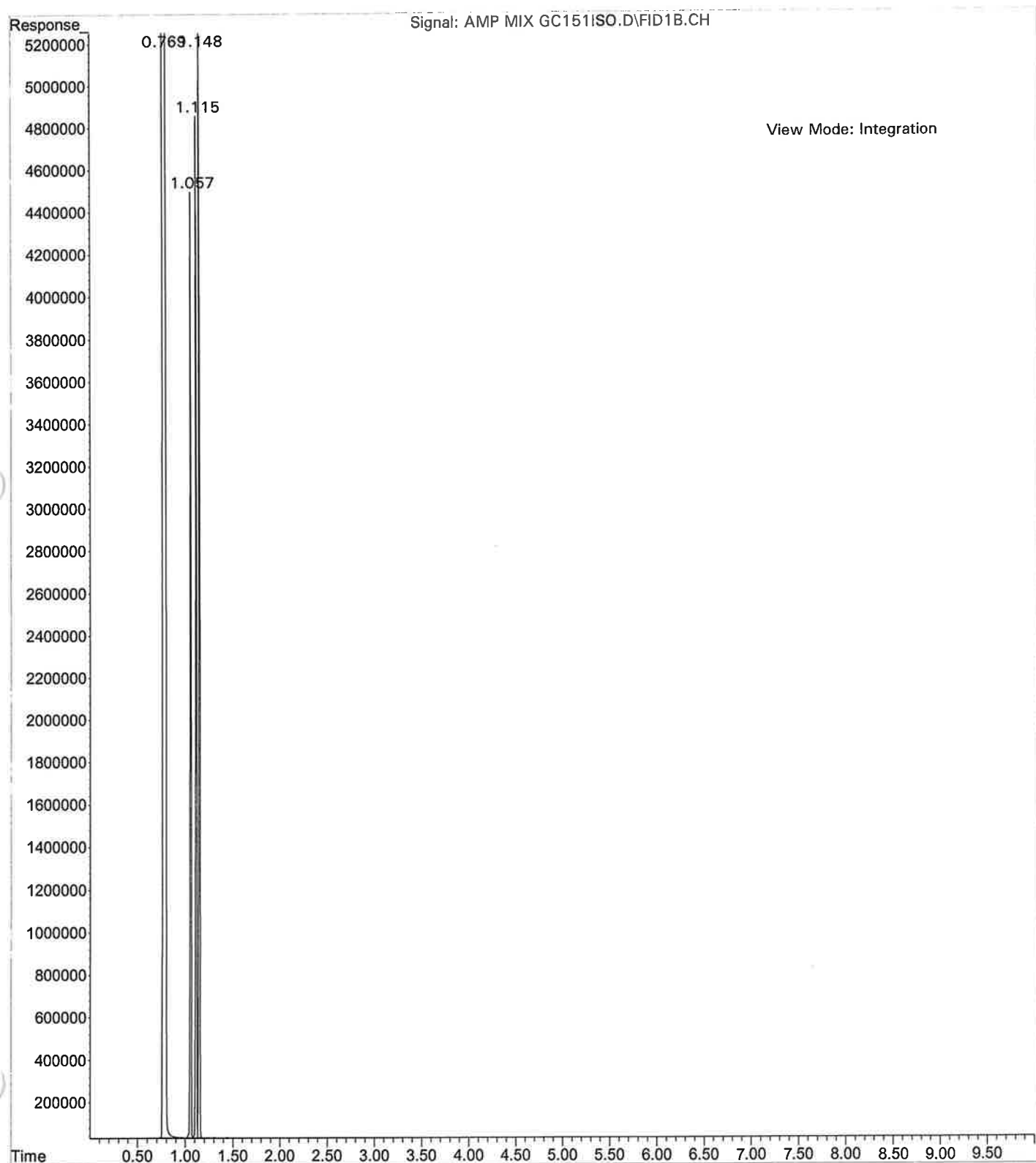
GC150ISO



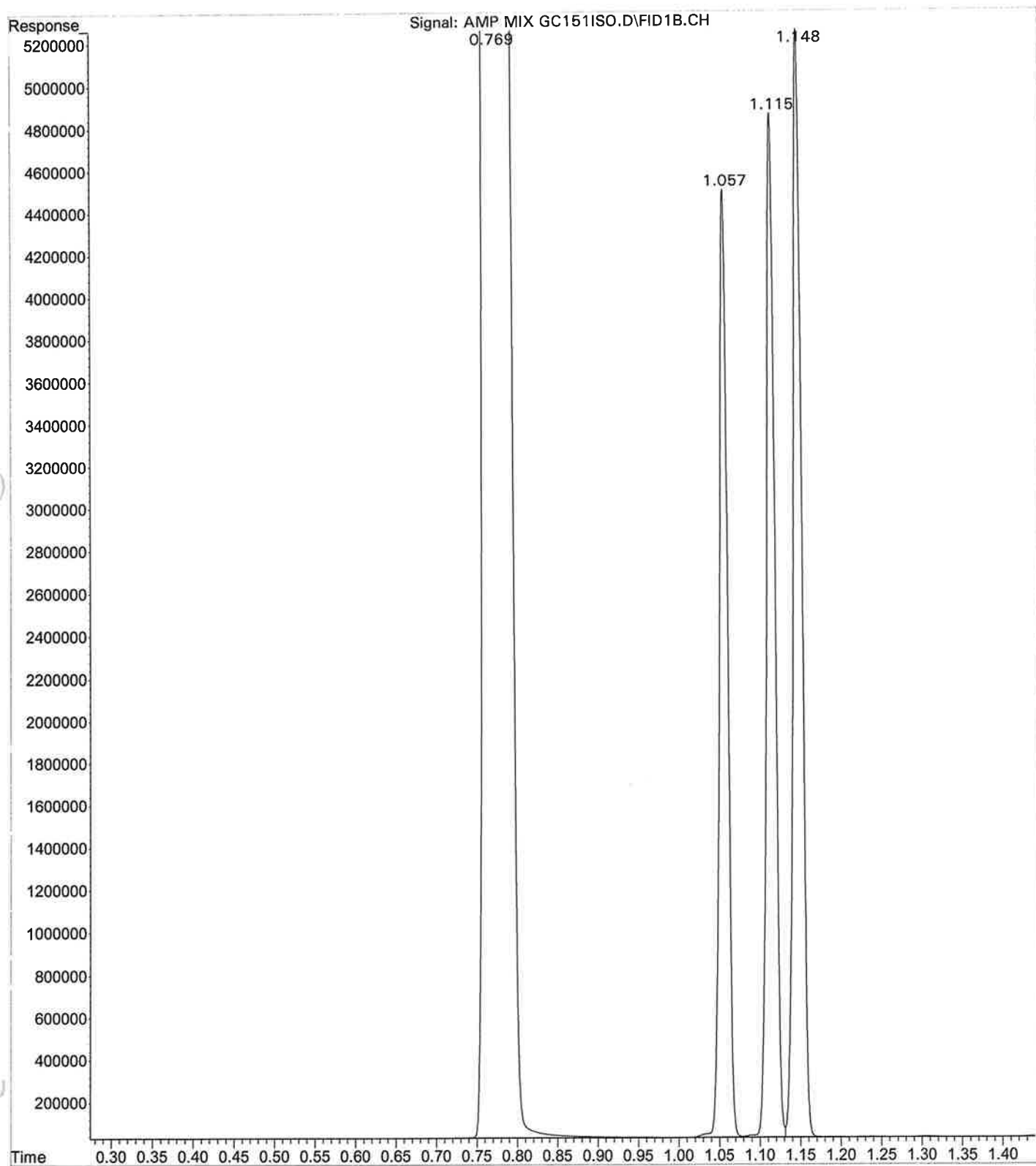
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASGC150
... ISO.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 8:24 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min



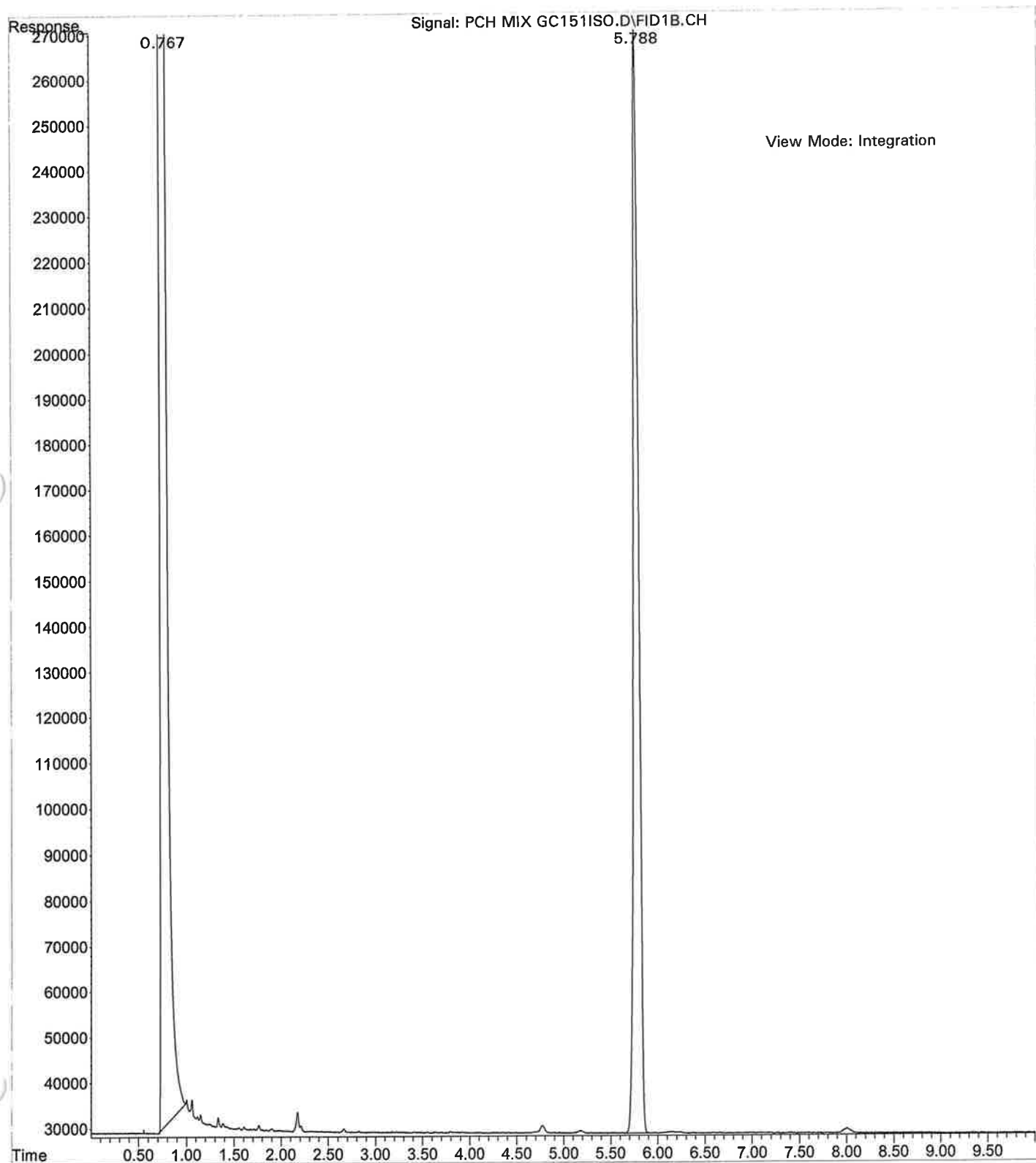
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX GC151ISO.D
Operator : Lela Jackson
Acquired : 14 Oct 2014 10:14 using AcqMethod GC150ISO.M
Instrument : JAVA
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min
Vial Number: 1



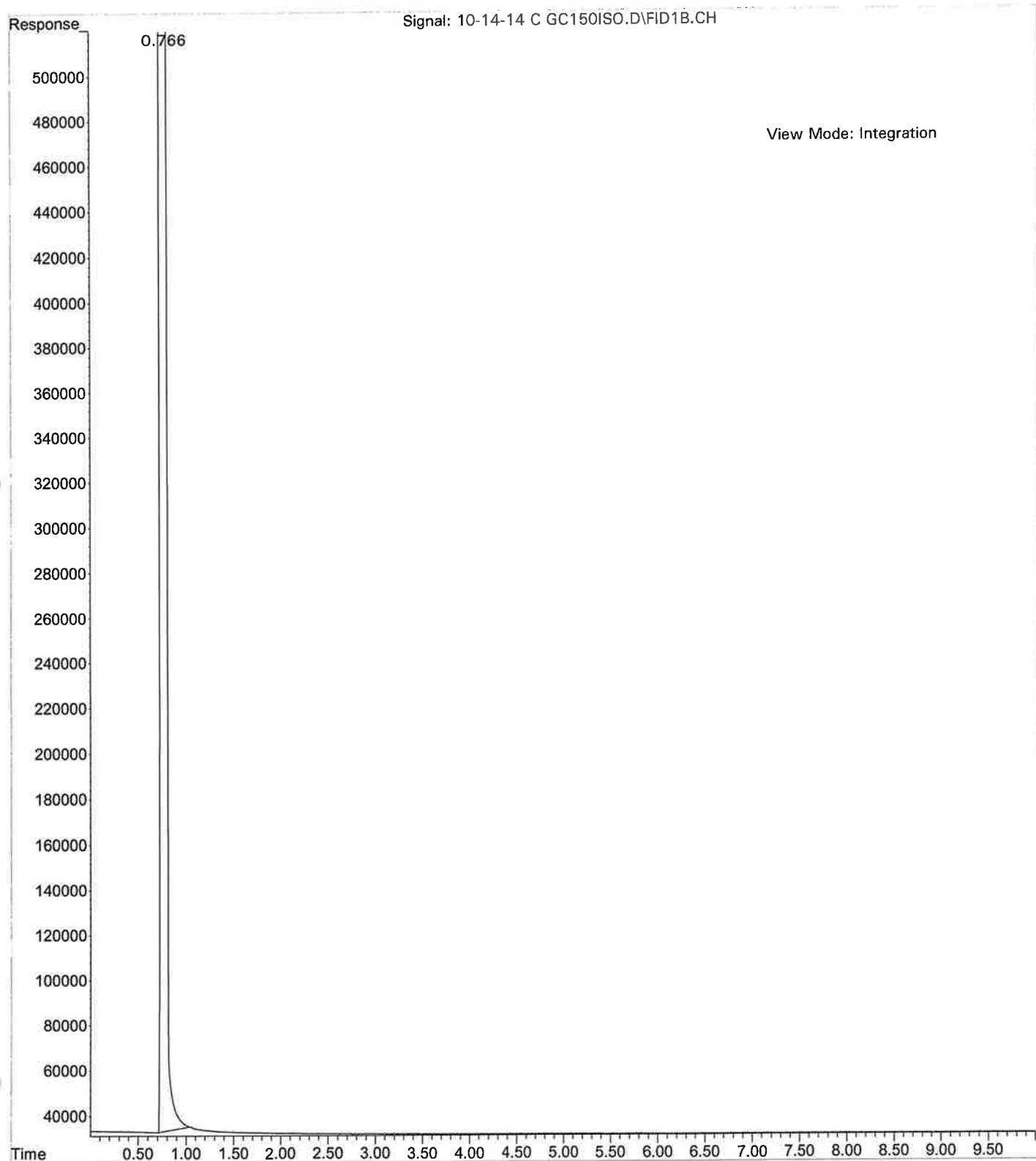
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX GC151ISO.D
Operator : Lela Jackson
Acquired : 14 Oct 2014 10:14 using AcqMethod GC150ISO.M
Instrument : JAVA
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min
Vial Number: 1



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\PCH MIX GC151ISO.D
Operator : Lela Jackson
Acquired : 14 Oct 2014 10:42 using AcqMethod GC150ISO.M
Instrument : JAVA
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 min
Vial Number: 1

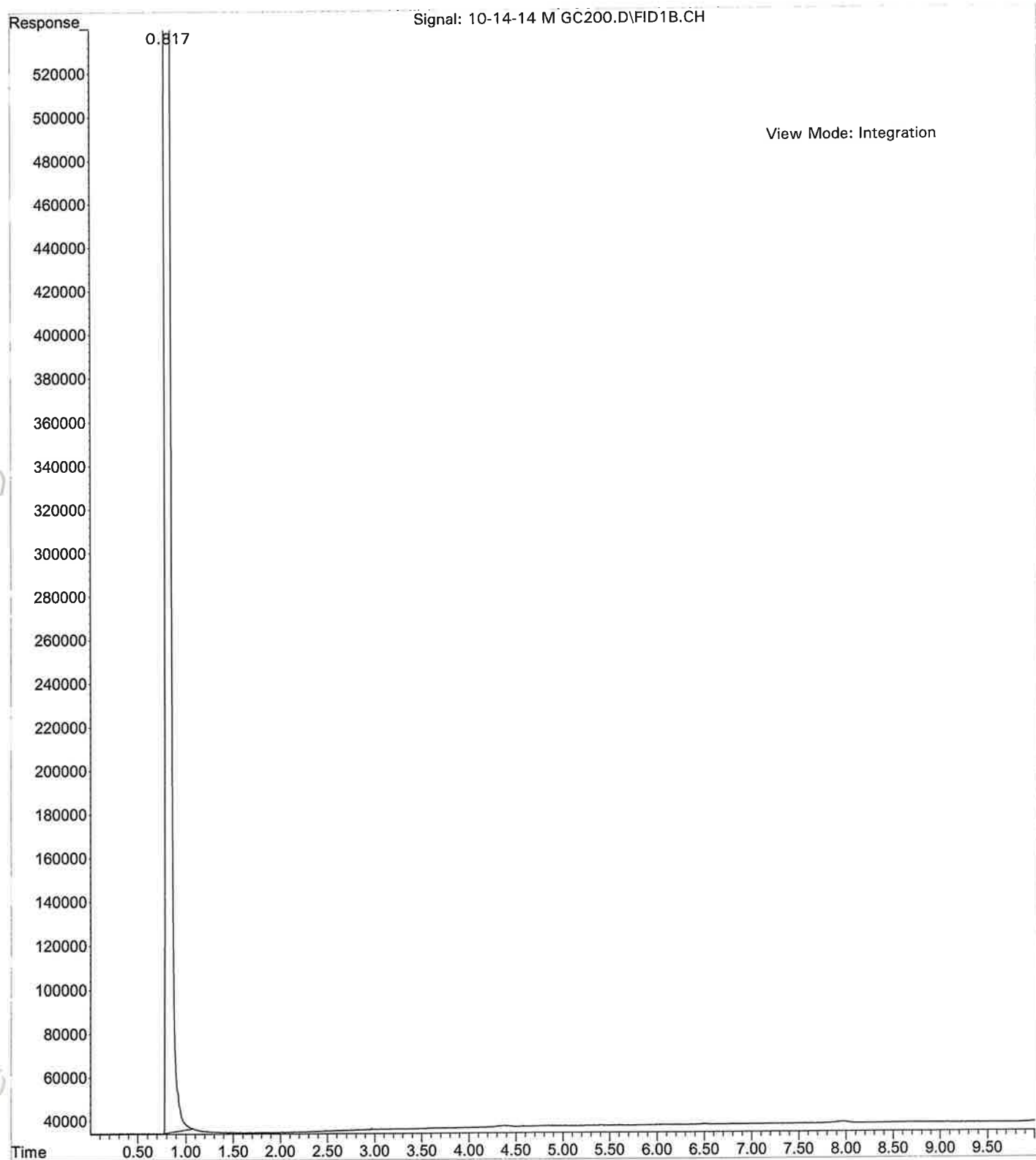


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-14-14 C GC150I
... SO.D
Operator : Lela Jackson
Instrument : JAVA
Acquired : 14 Oct 2014 10:00 using AcqMethod GC150ISO.M
Sample Name: Chloroform
Misc Info : Chloroform 150c for 10 min

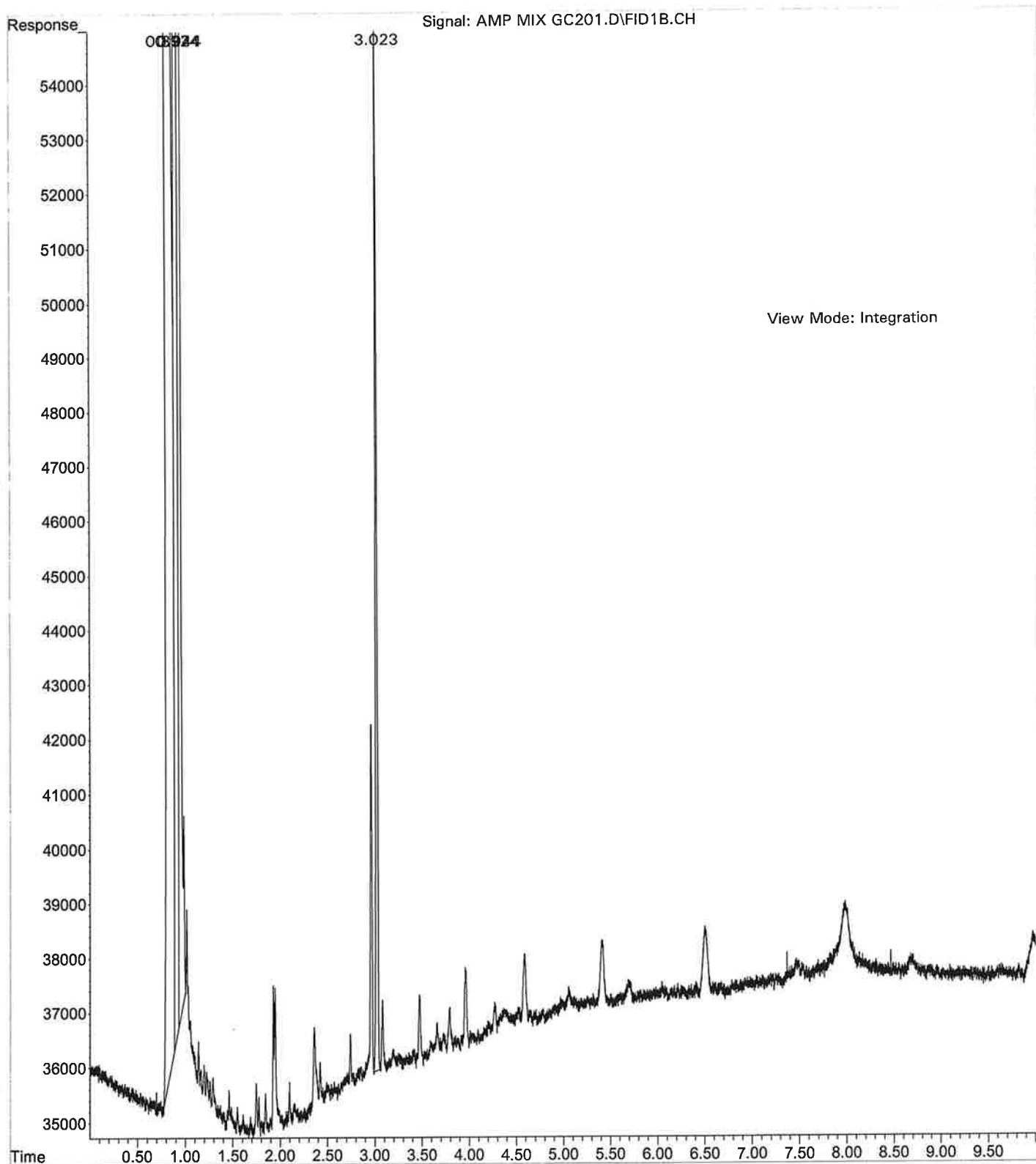


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-14-14 M GC200.D
Operator : Lela Jackson
Acquired : 14 Oct 2014 9:32 using AcqMethod GC200.M
Instrument : JAVA
Sample Name: Methanol Blank
Misc Info : Methanol 200-280c @70c/min for 10 min
Vial Number: 1

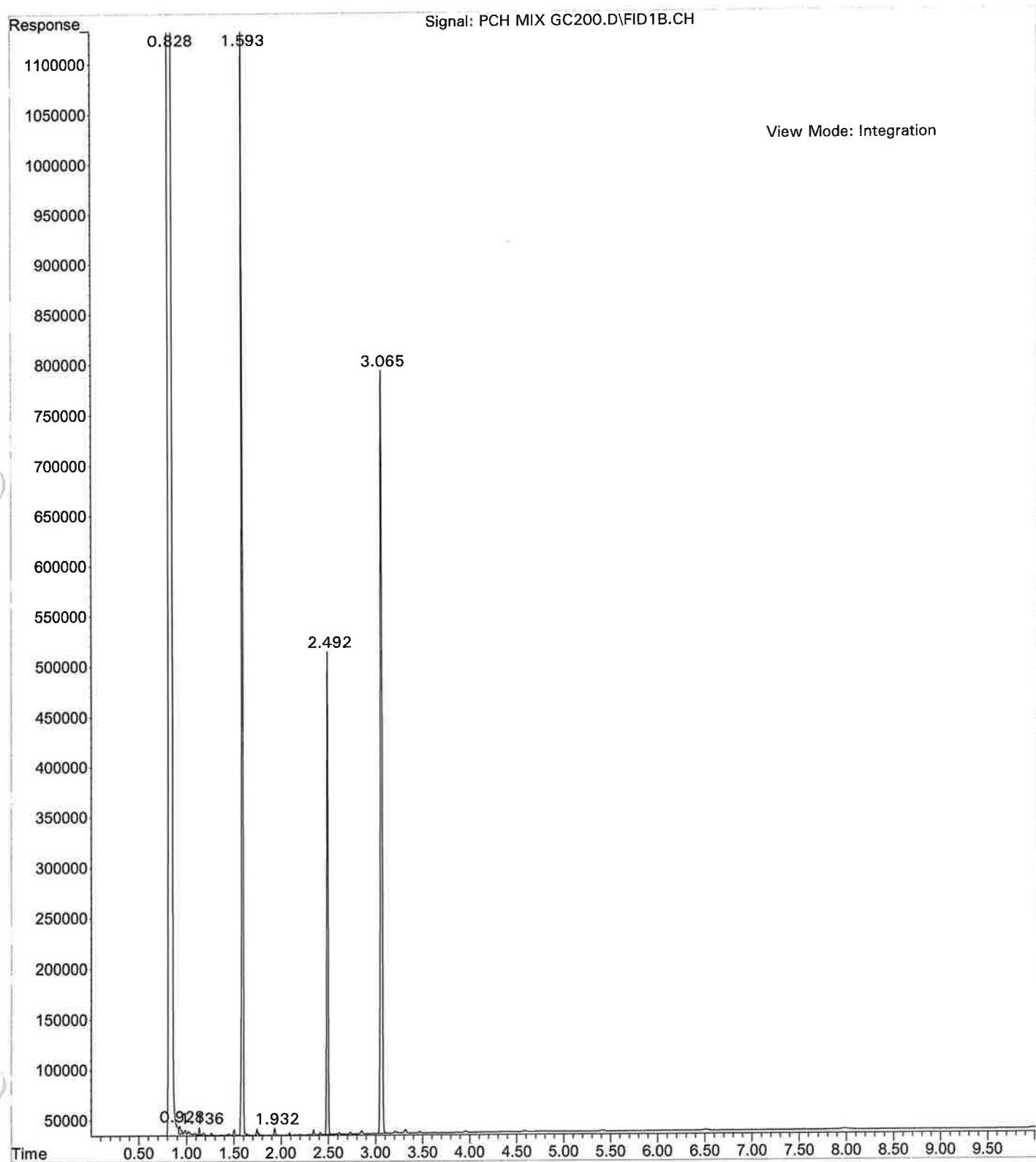
GC200



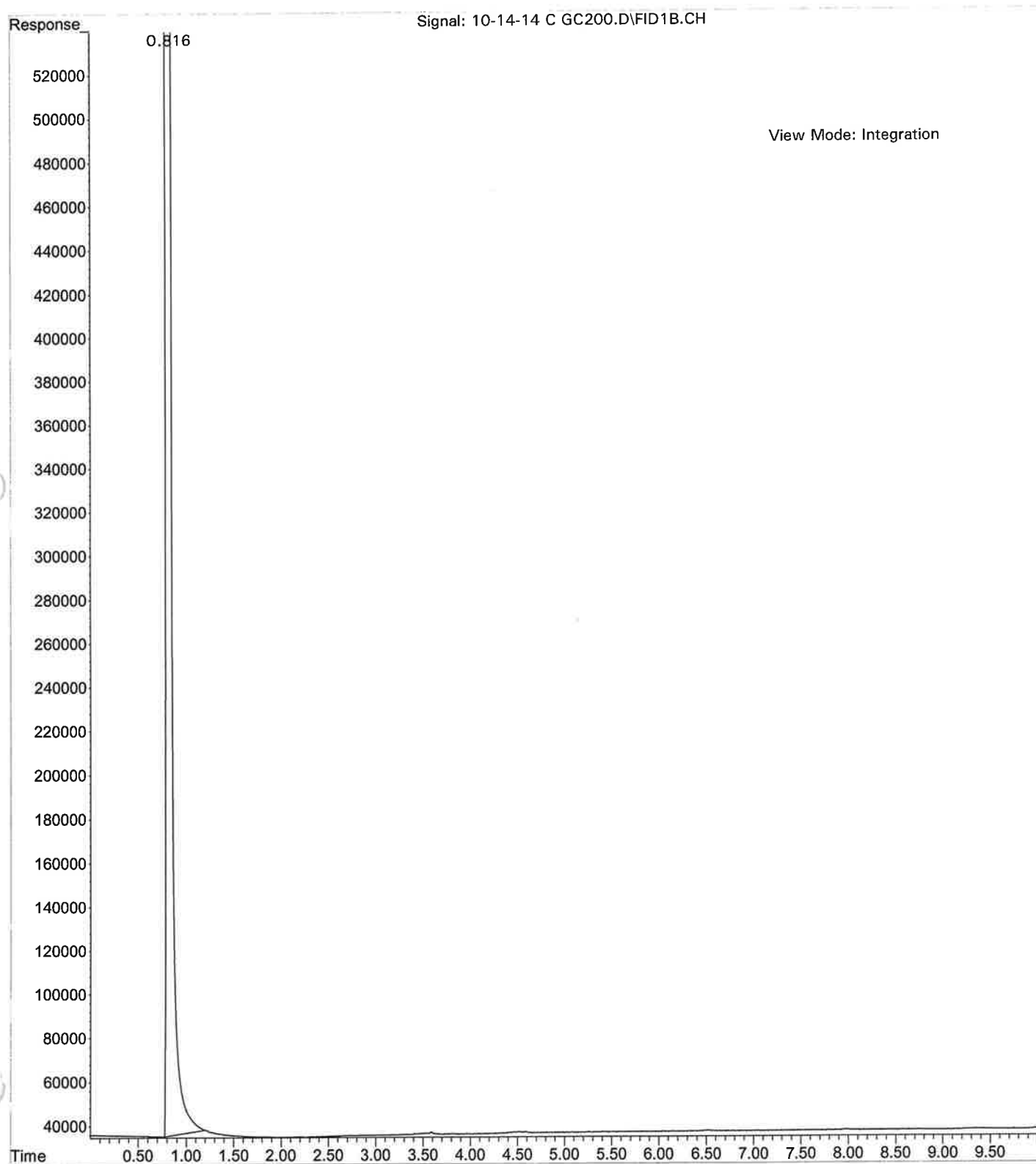
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\AMP MIX GC201.D
Operator : Lela Jackson
Acquired : 14 Oct 2014 9:17 using AcqMethod GC200.M
Instrument : JAVA
Sample Name: Ampetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c @70c/min for 10 min
Vial Number: 1



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\PCH MIX GC200.D
Operator : Lela Jackson
Acquired : 14 Oct 2014 9:46 using AcqMethod GC200.M
Instrument : JAVA
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 min
Vial Number: 1

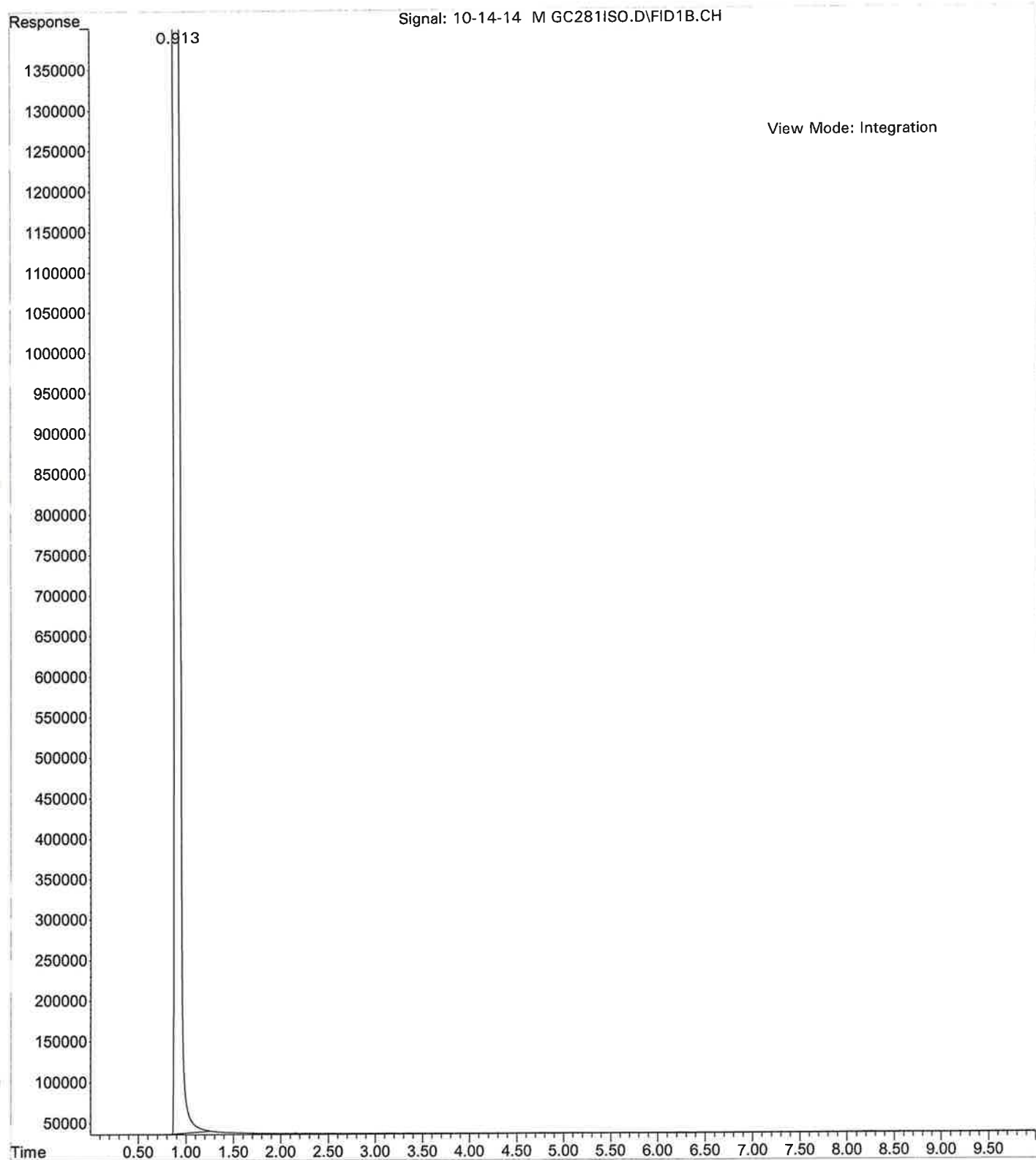


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-14-14 C GC200.D
Operator : Lela Jackson
Acquired : 14 Oct 2014 9:05 using AcqMethod GC200.M
Instrument : JAVA
Sample Name: Chloroform Blank
Misc Info : Chloroform 200-280c @70c/min for 10 min
Vial Number: 1

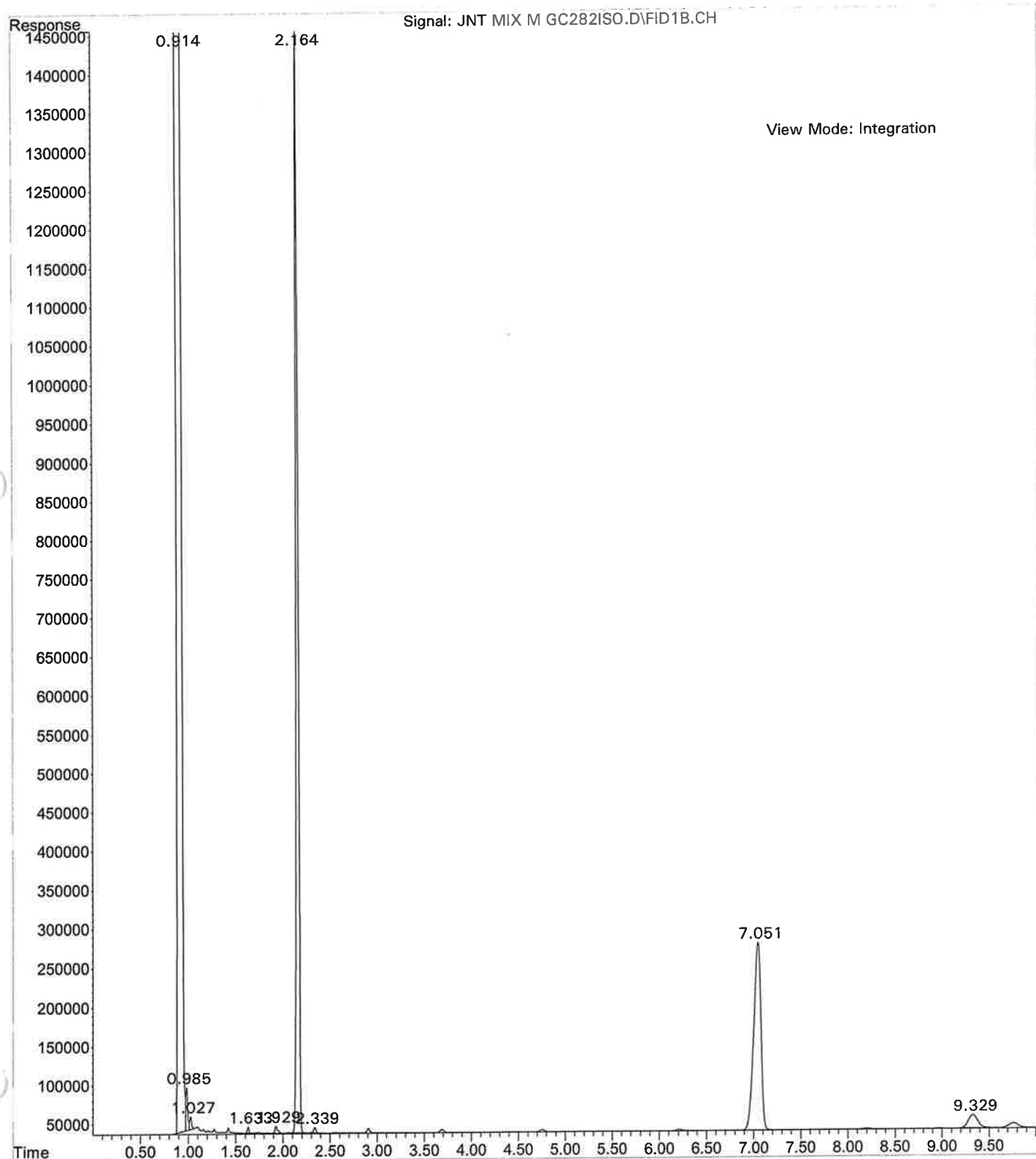


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-14-14 M GC281
... ISO.D
Operator : Lela Jackson
Instrument : JAVA
Acquired : 14 Oct 2014 8:26 using AcqMethod GC280ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 10 min

66280ISO

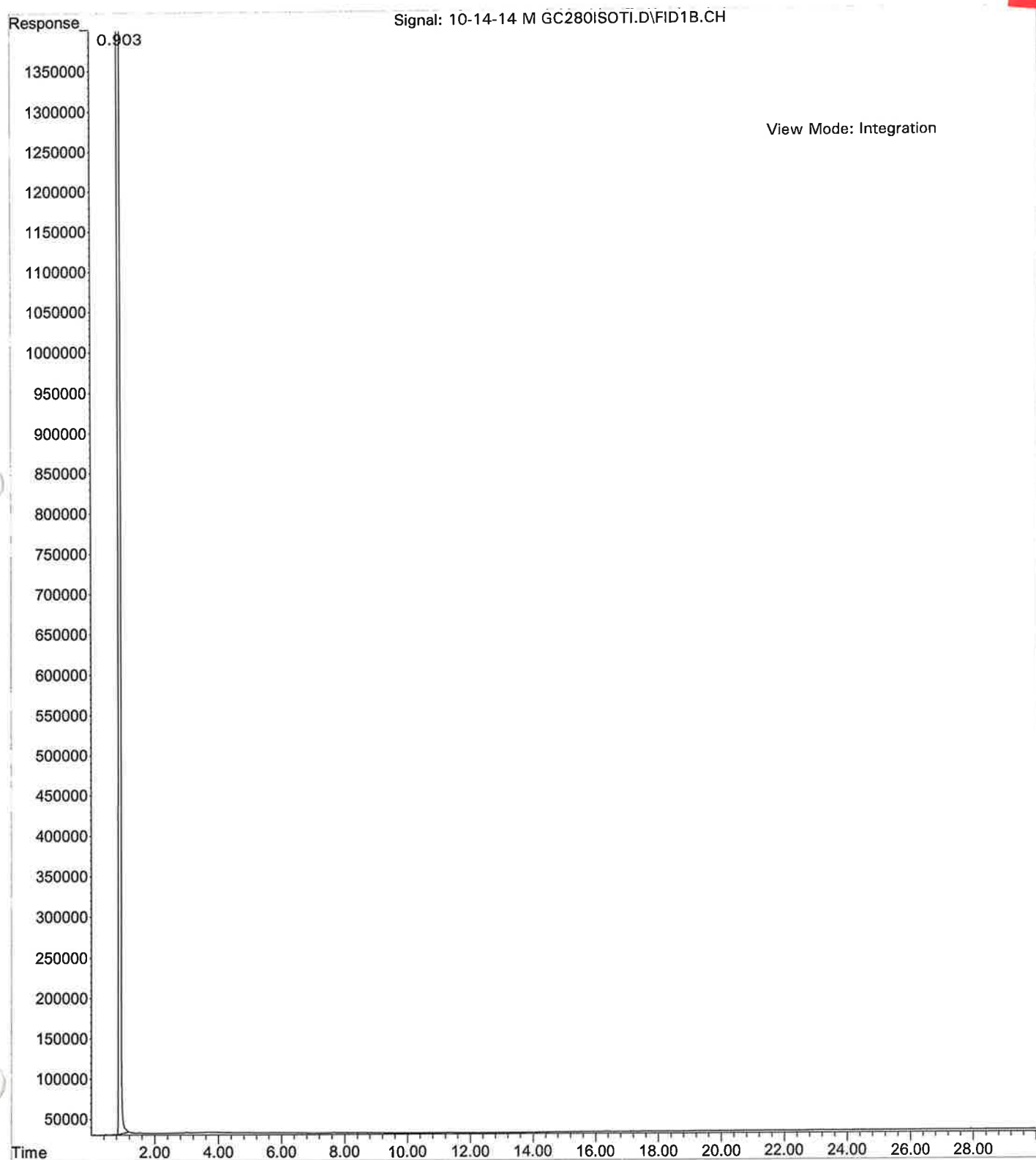


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\JNT MIX M GC282IS
... O.D
Operator : Lela Jackson
Instrument : JAVA
Acquired : 14 Oct 2014 8:52 using AcqMethod GC280ISO.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 10 min

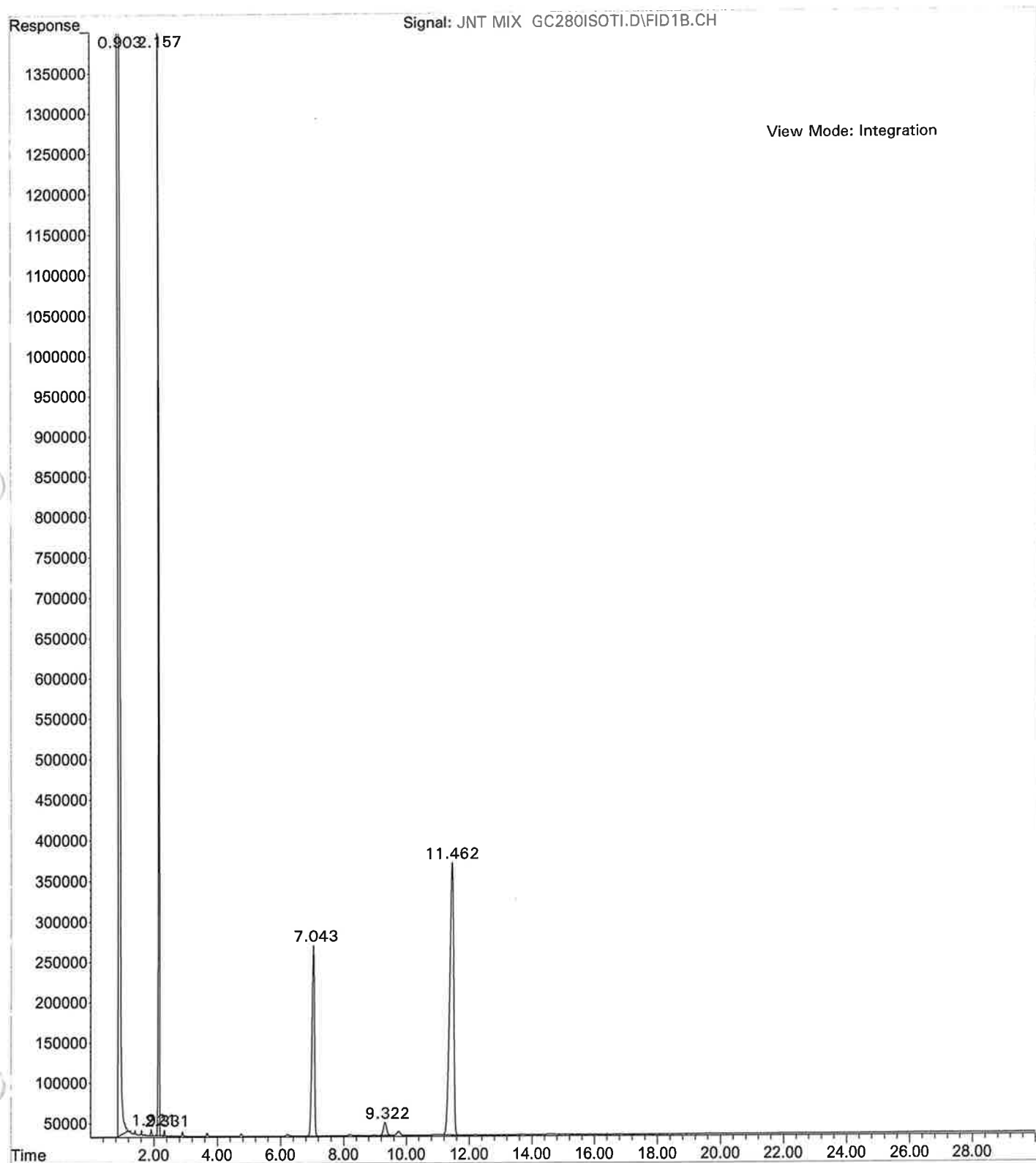


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\10-14-14 M GC280I
... SOTI.D
Operator : Lela Jackson
Instrument : JAVA
Acquired : 14 Oct 2014 7:16 using AcqMethod GC280ISOTI.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 30 min

GC280ISOTI

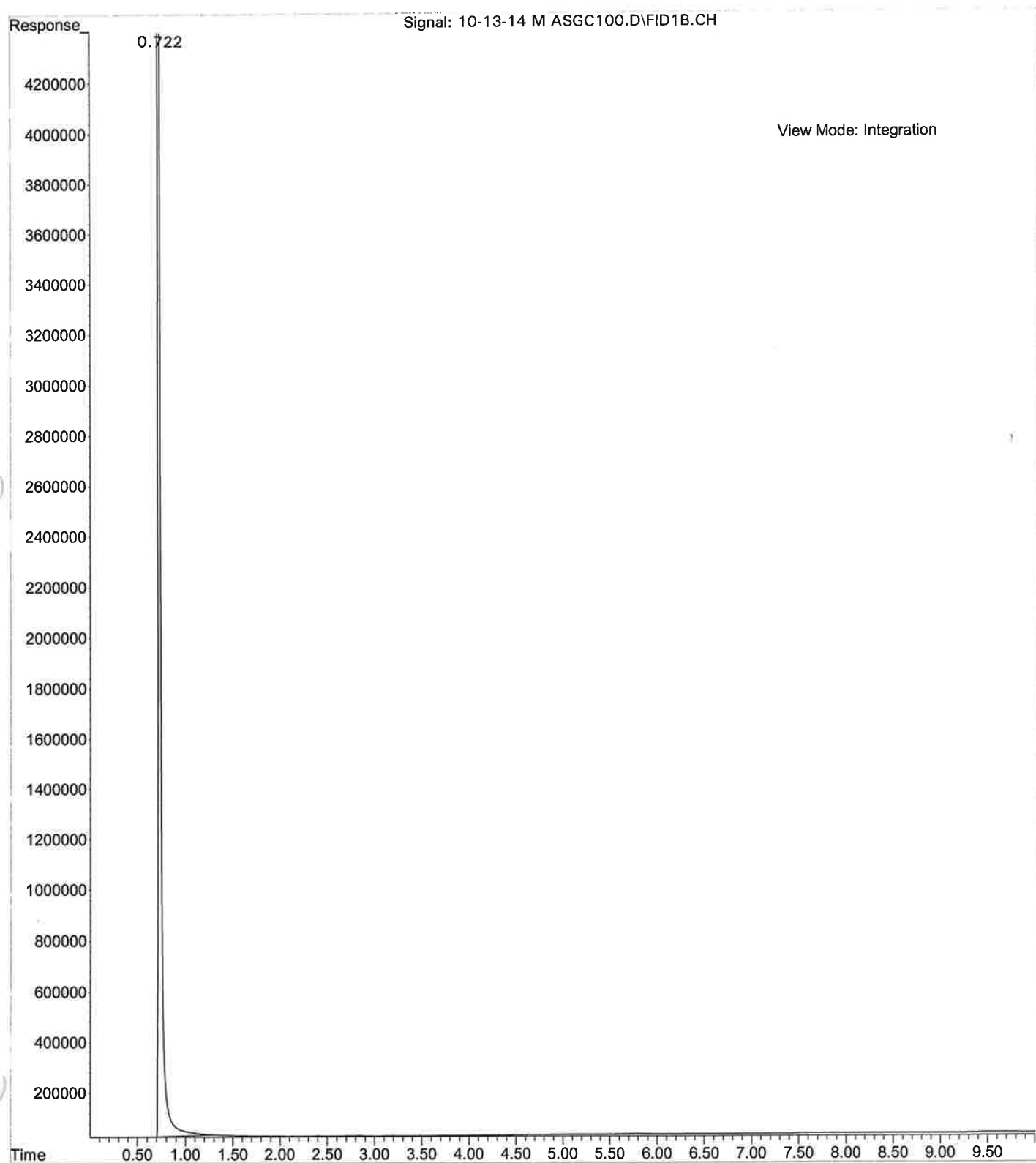


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\MS\JNT MIX GC280ISO
... TI.D
Operator : Lela Jackson
Instrument : JAVA
Acquired : 14 Oct 2014 7:50 using AcqMethod GC280ISOTI.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 30 min

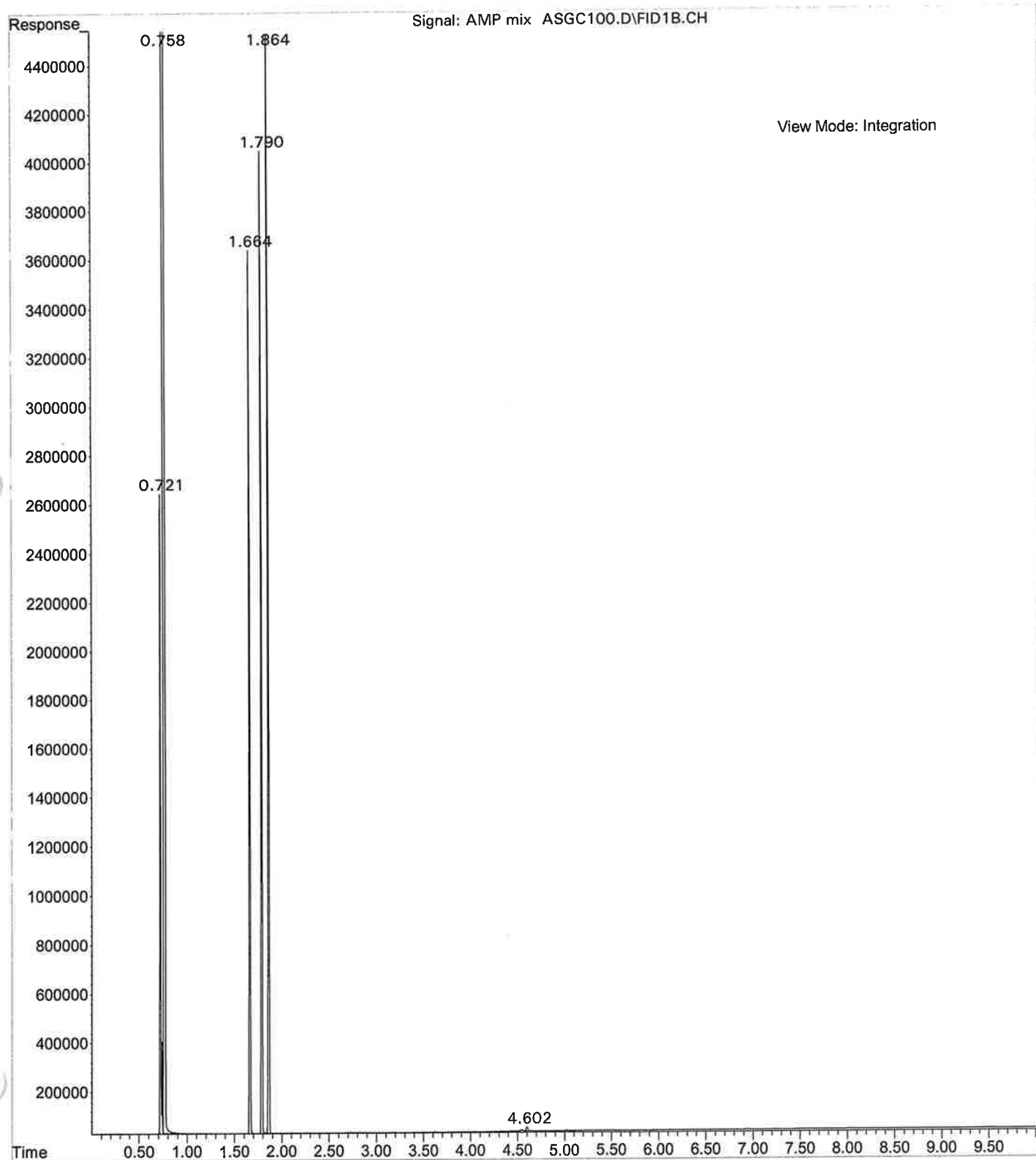


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-13-14 M ASGC10
... 0.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 7:44 using AcqMethod ASGC100.M
Sample Name: Methanol Blank
Misc Info : Methanol 100-280c @70c/min for 10 min

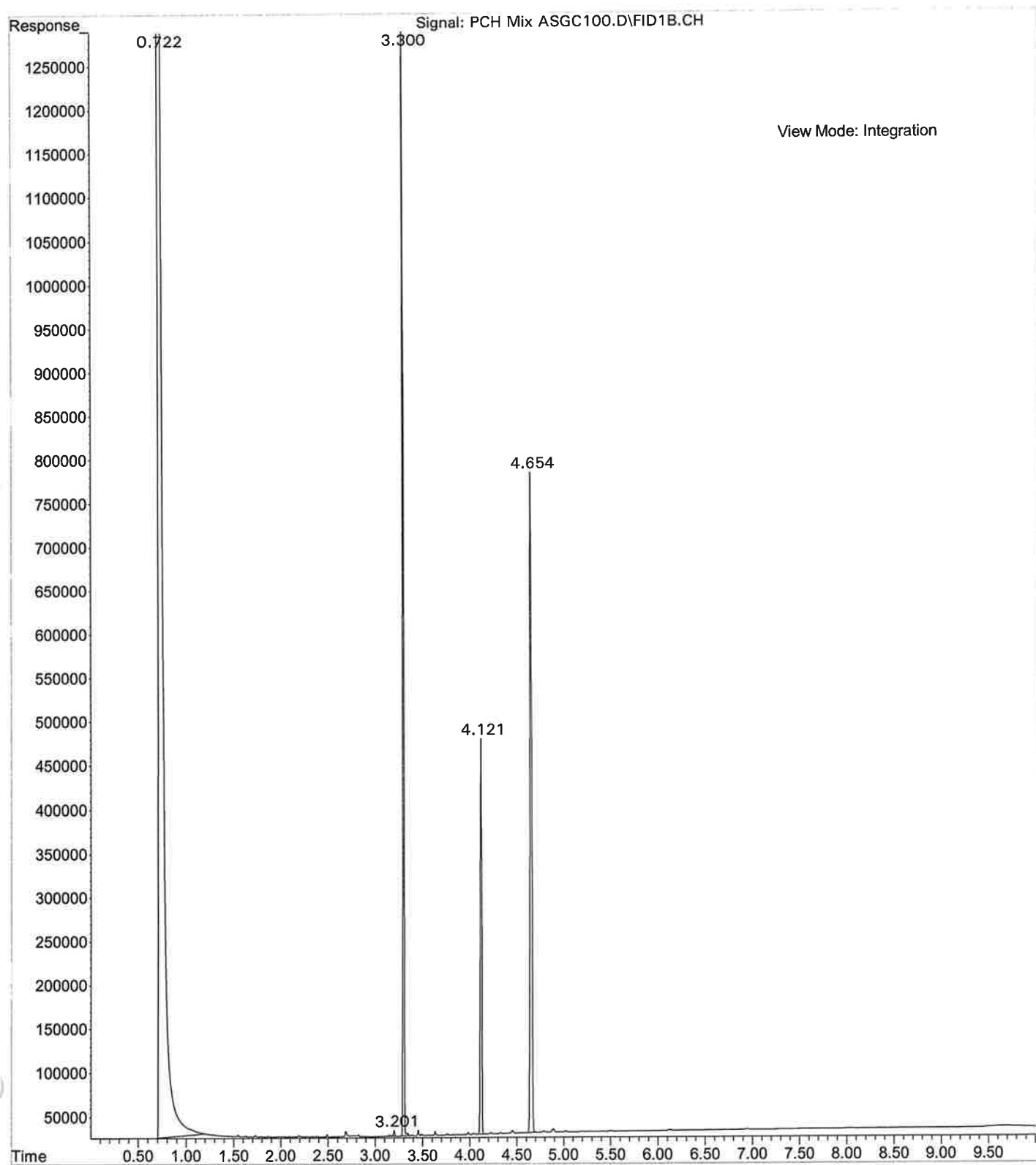
ASGC100



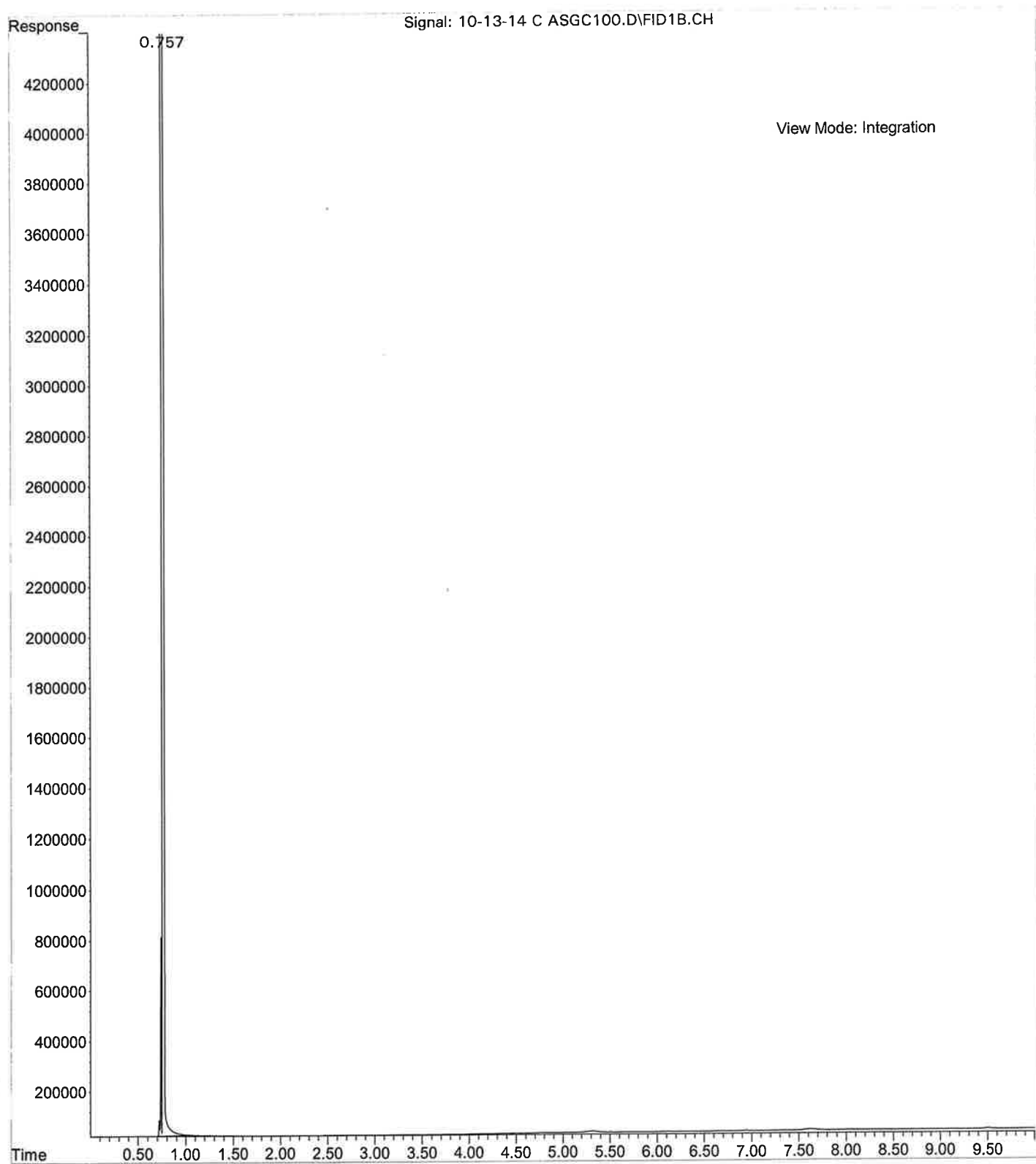
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix ASGC100.D
Operator : DENOTRIA F. PATTERSON
Acquired : 13 Oct 2014 11:54 using AcqMethod ASGC100.M
Instrument : JAVA
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min
Vial Number: 0



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix ASGC100.D
Operator : DENOTRIA F. PATTERSON
Acquired : 13 Oct 2014 7:58 using AcqMethod ASGC100.M
Instrument : JAVA
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 10 min
Vial Number: 0

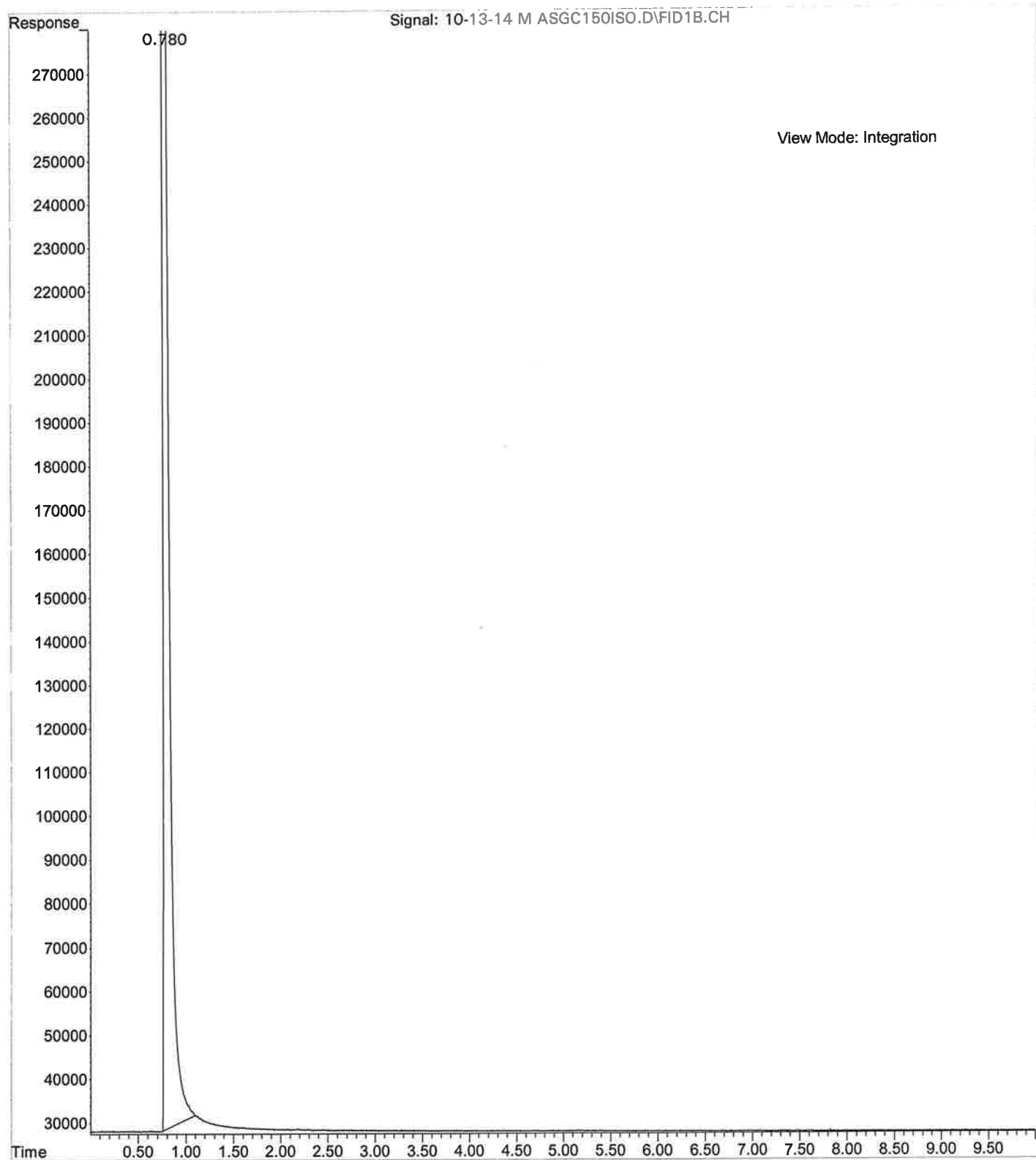


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-13-14 C ASGC10
... 0.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 7:14 using AcqMethod ASGC100.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 100-280c @70c/min for 10 min

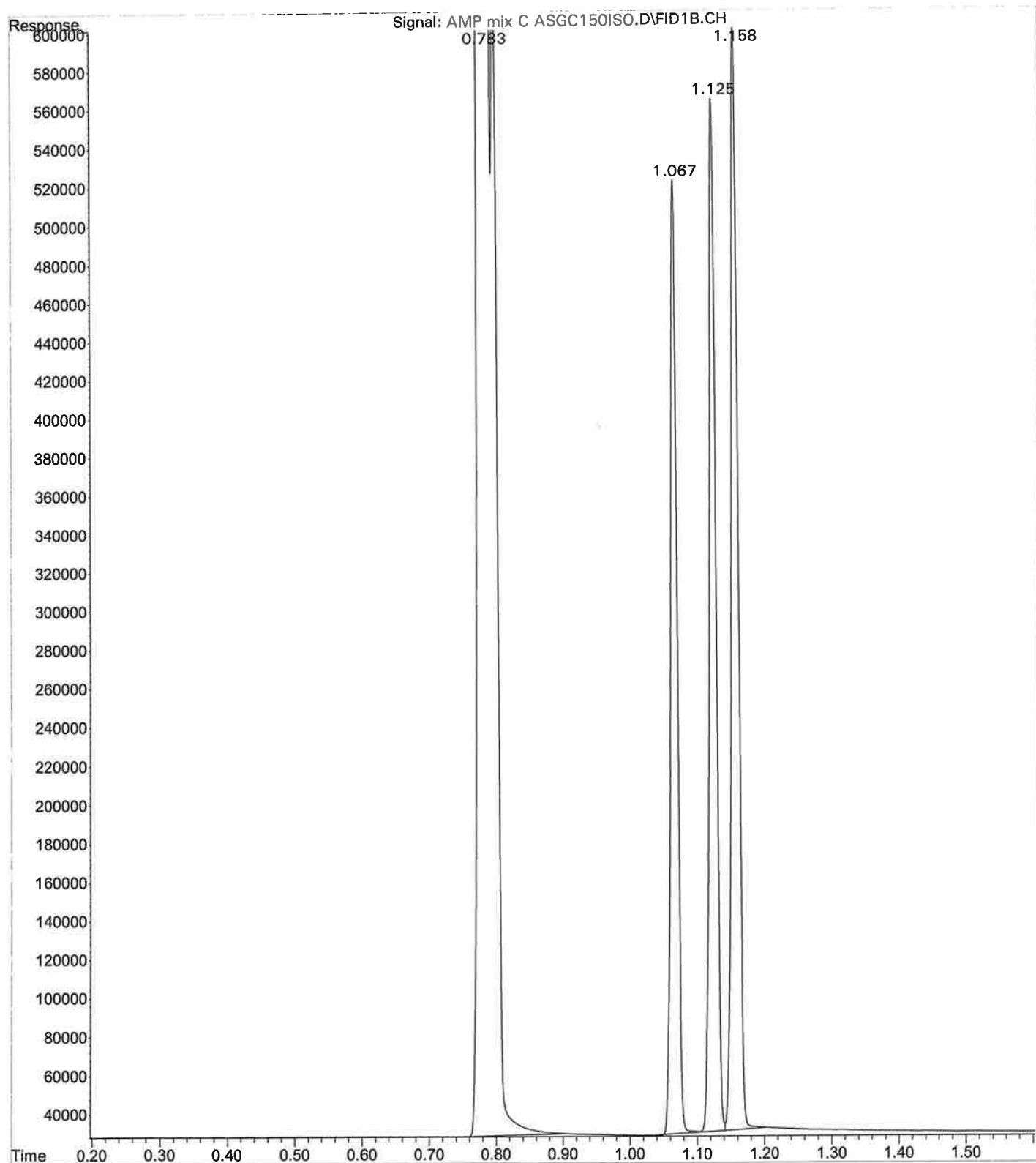


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-13-14 M ASGC15
... 0ISO.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 8:36 using AcqMethod ASGC150ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 150c for 10 min

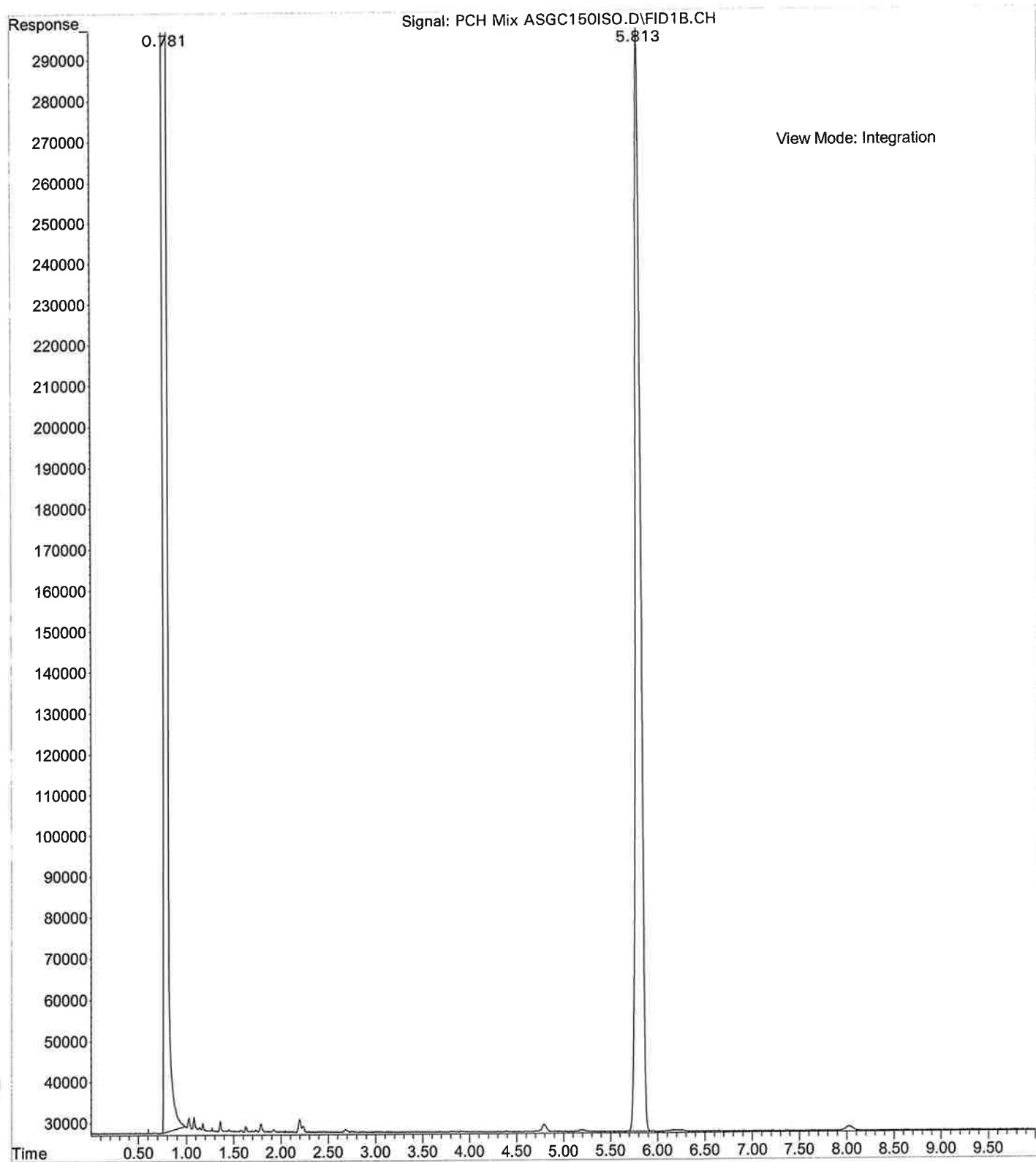
ASGC150ISO



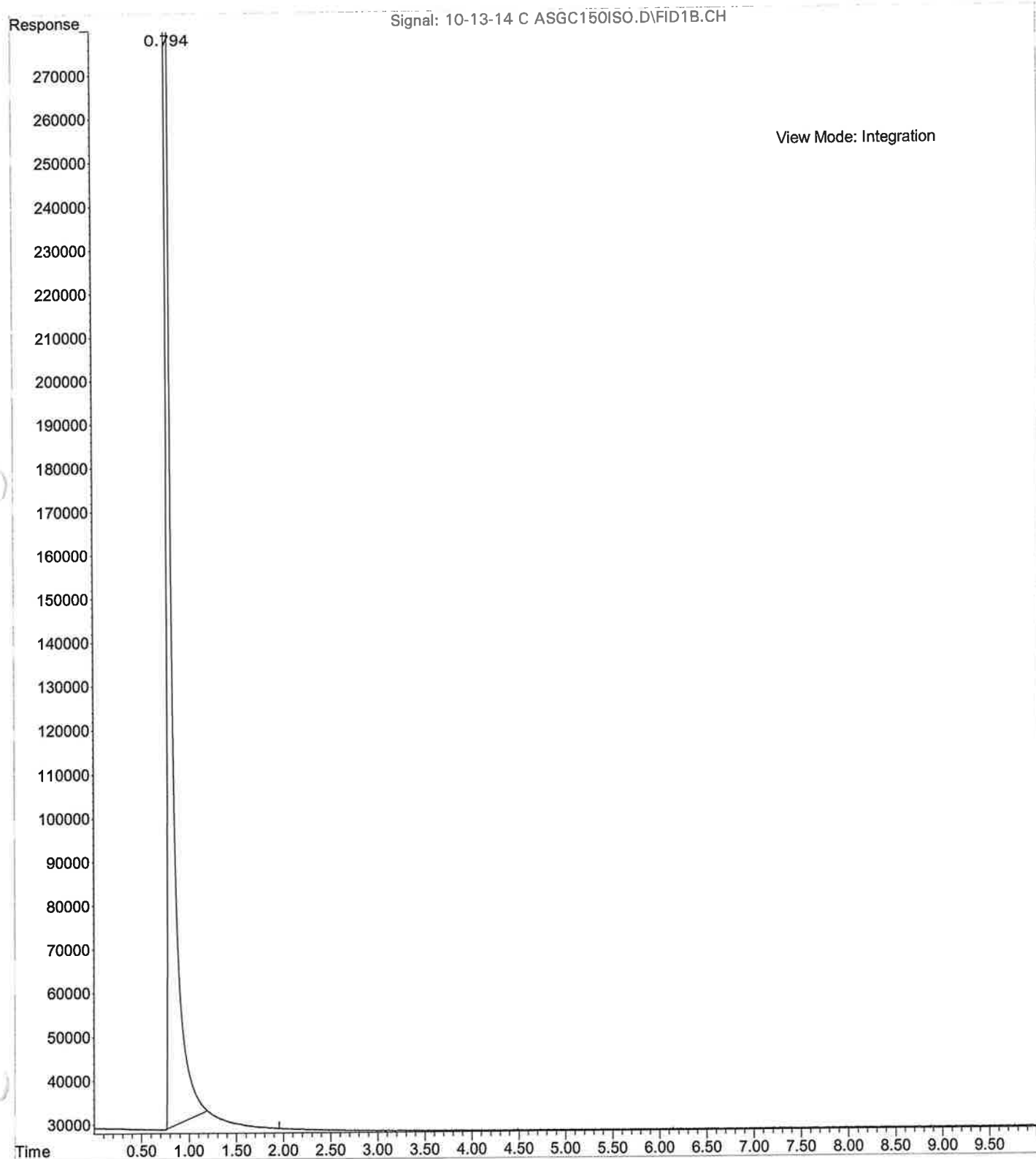
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix C ASGC150
... ISO.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 8:24 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 min



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix ASGC150IS
... O.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 8:48 using AcqMethod ASGC150ISO.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 min

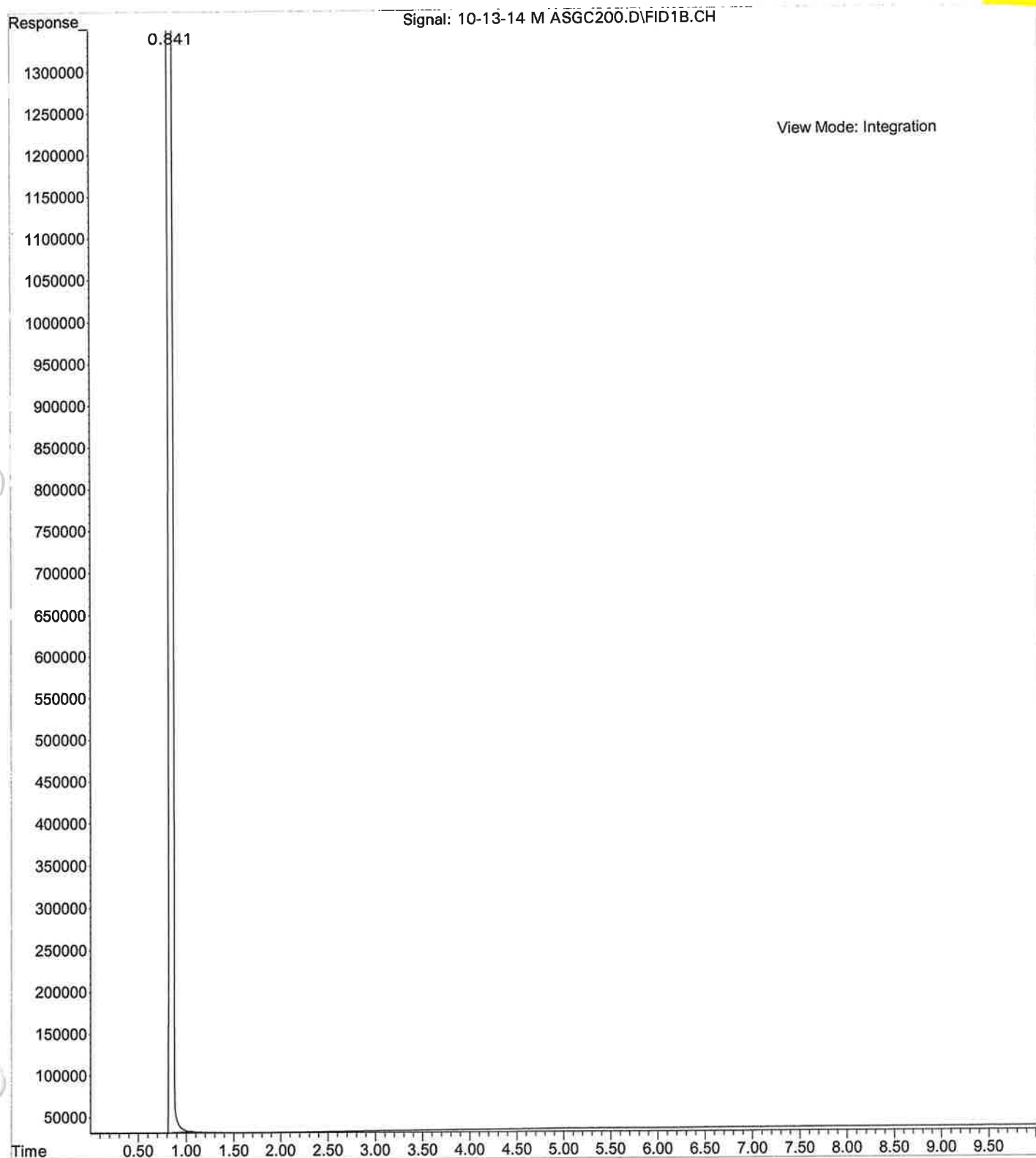


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-13-14 C ASGC15
... 0ISO.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 8:12 using AcqMethod ASGC150ISO.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 150c for 10 min

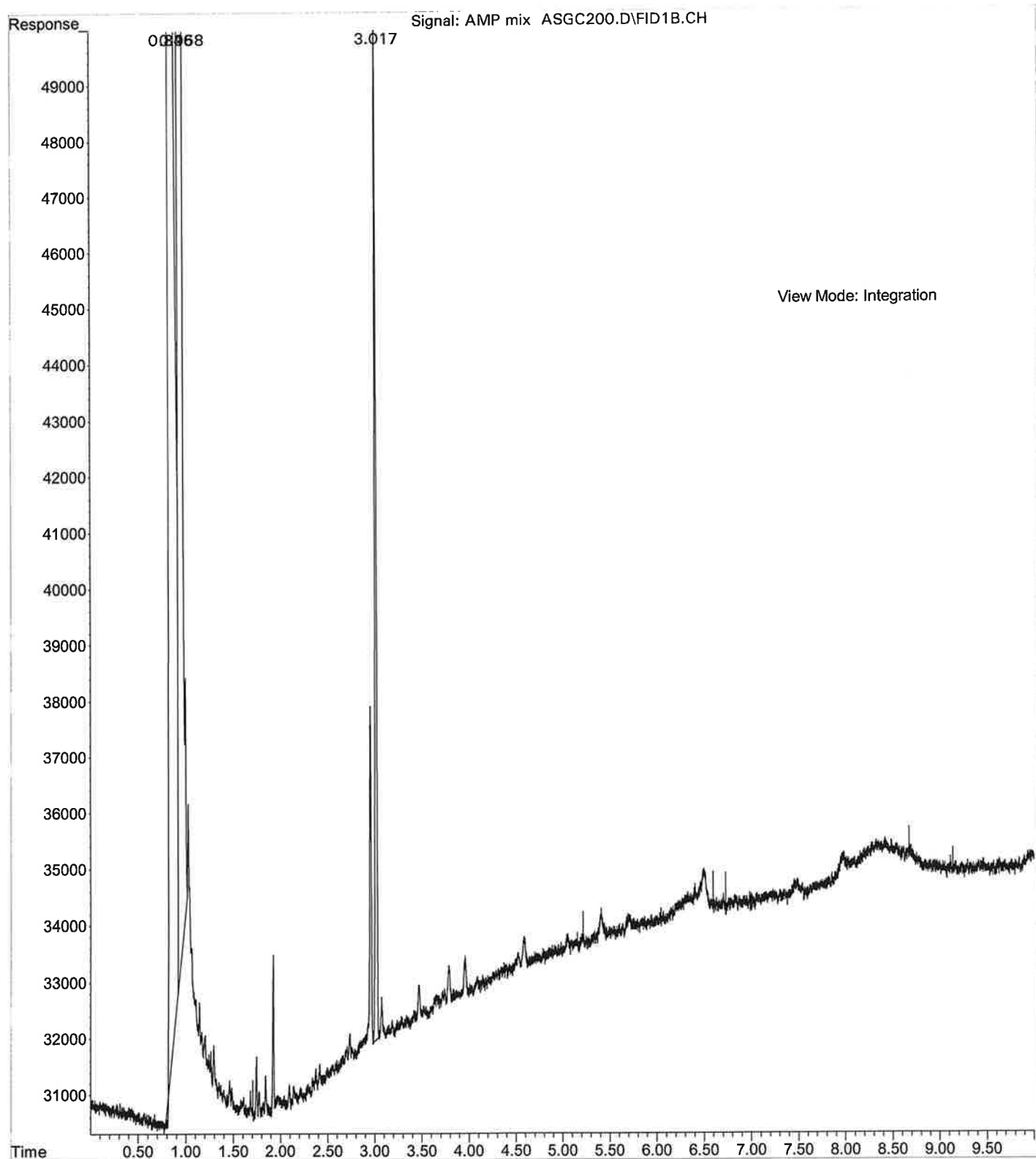


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-13-14 M ASGC20
0.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 9:42 using AcqMethod ASGC200.M
Sample Name: Methanol Blank
Misc Info : Methanol 200-280c @70c/min for 10 min

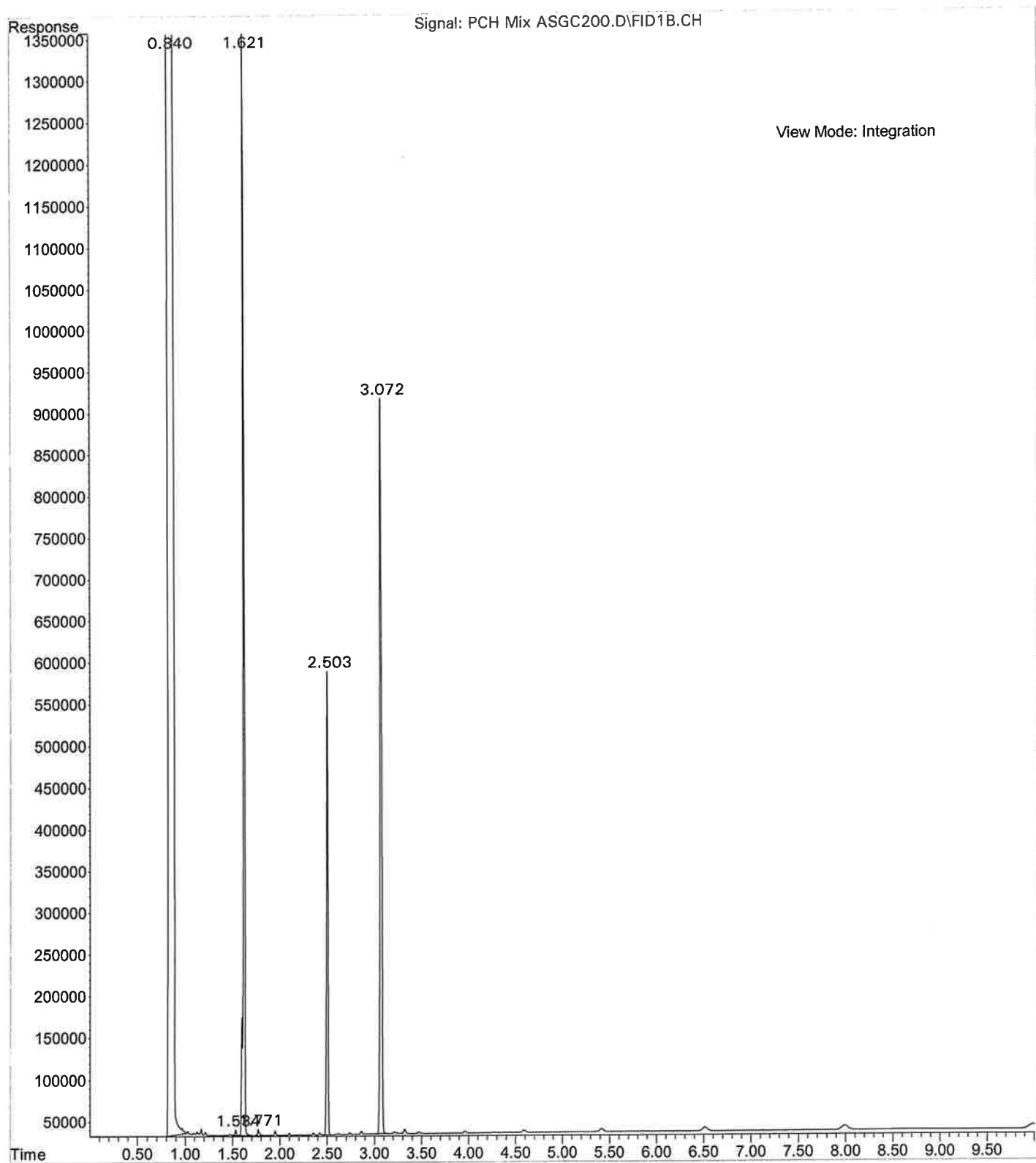
ASGC200



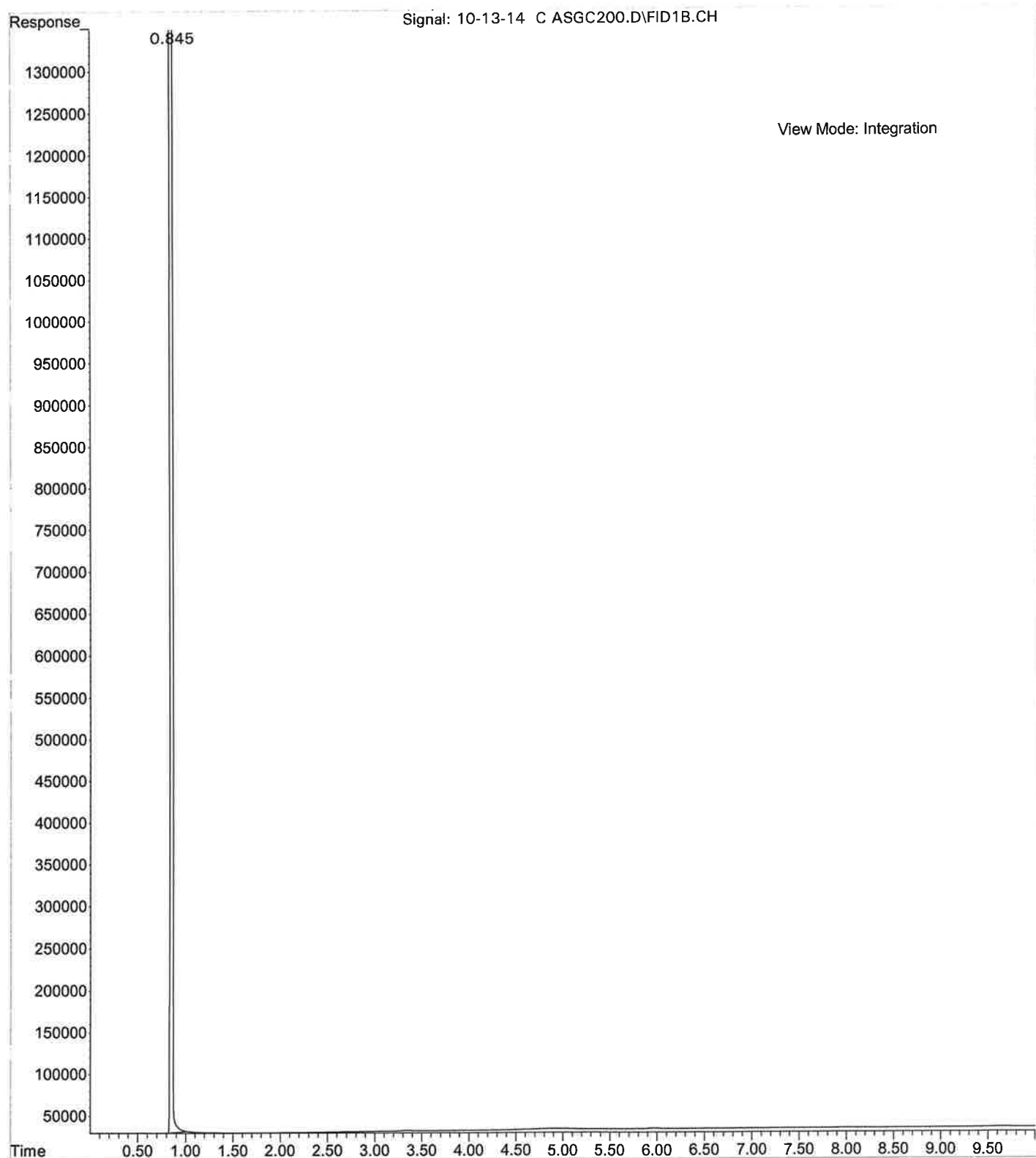
File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\AMP mix ASGC200.D
Operator : DENOTRIA F. PATTERSON
Acquired : 13 Oct 2014 9:28 using AcqMethod ASGC200.M
Instrument : JAVA
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 200-280c @70c/min for 10 min
Vial Number: 0



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\PCH Mix ASGC200.D
Operator : DENOTRIA F. PATTERSON
Acquired : 13 Oct 2014 9:55 using AcqMethod ASGC200.M
Instrument : JAVA
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 min
Vial Number: 0

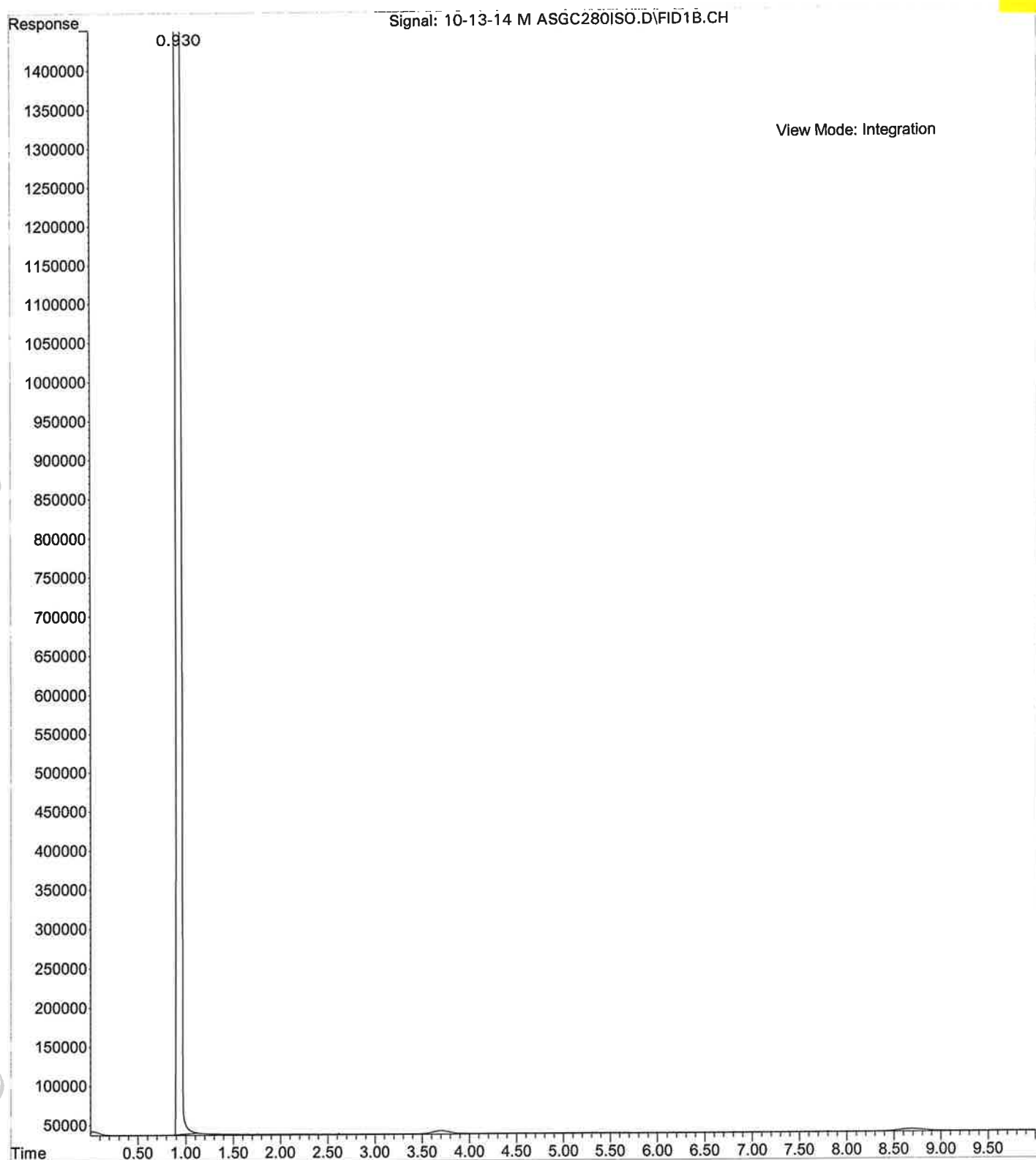


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-13-14 C ASGC2
... 00.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 9:15 using AcqMethod ASGC200.M
Sample Name: Chloroform Blank
Misc Info : Chloroform 200-280c @70c/min for 10 min

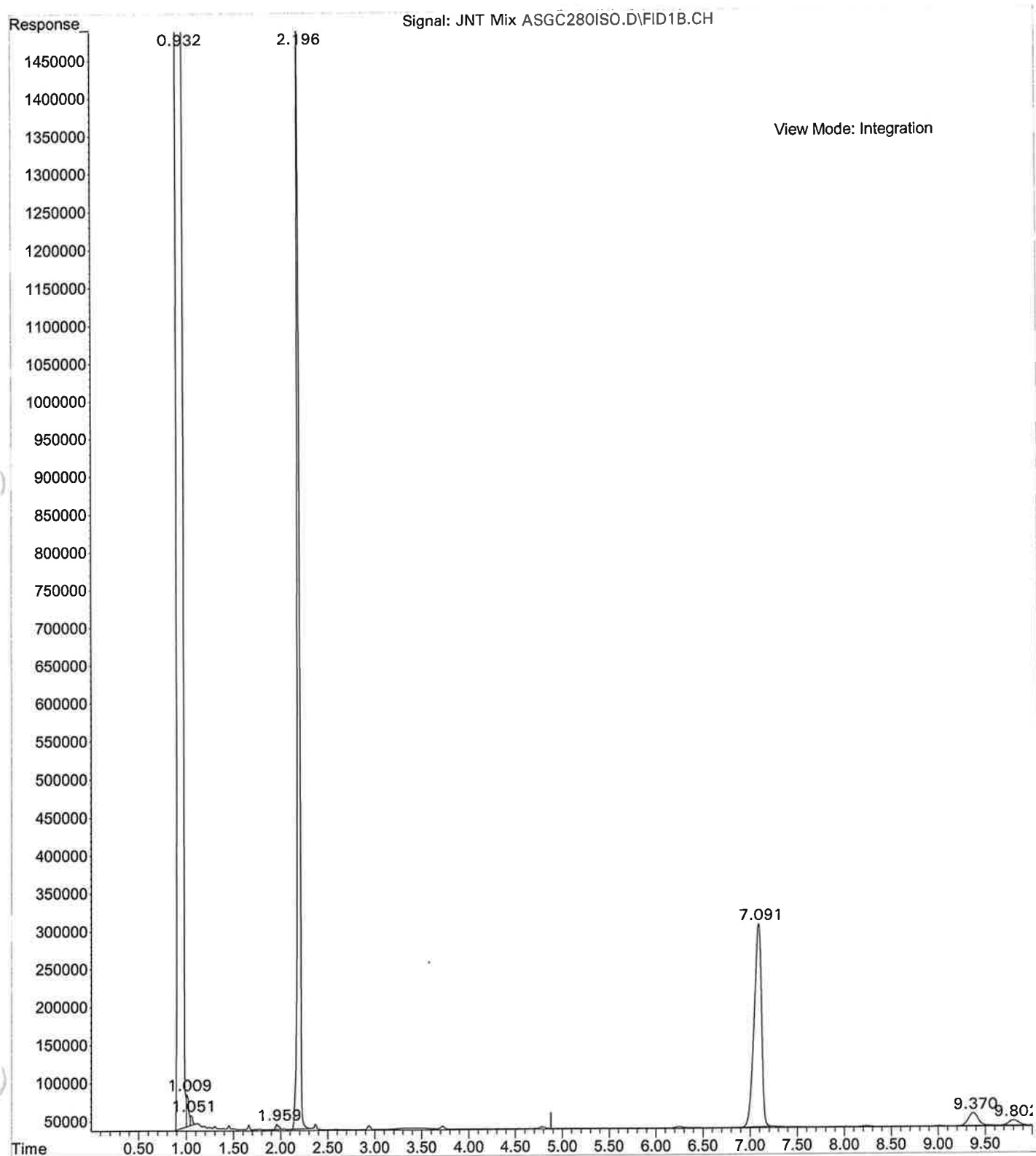


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-13-14 M ASGC28
... 0ISO.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 10:08 using AcqMethod ASGC280ISO.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 10 min

ASGC280ISO

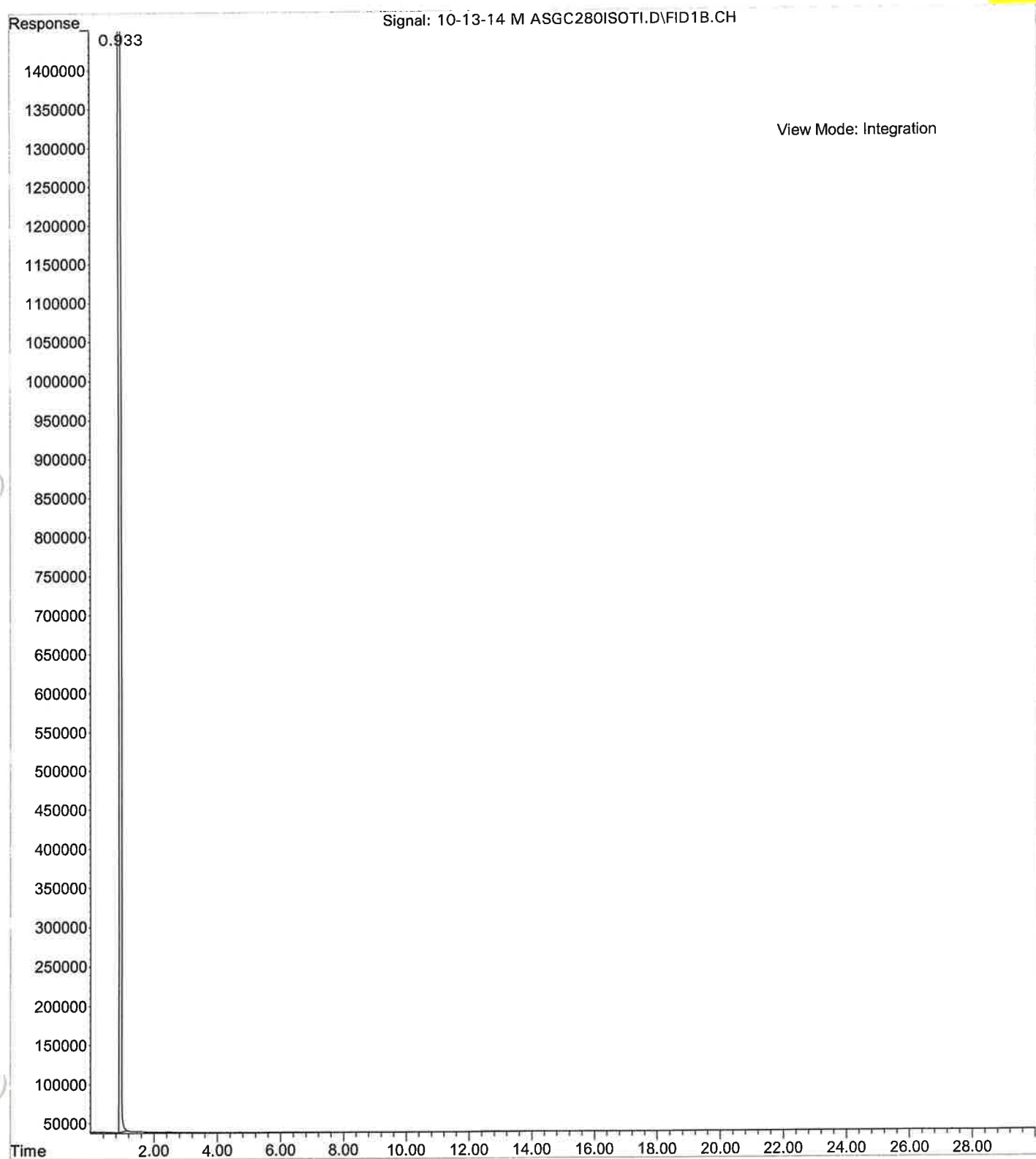


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\JNT Mix ASGC280IS
... O.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 10:20 using AcqMethod ASGC280ISO.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 10 min

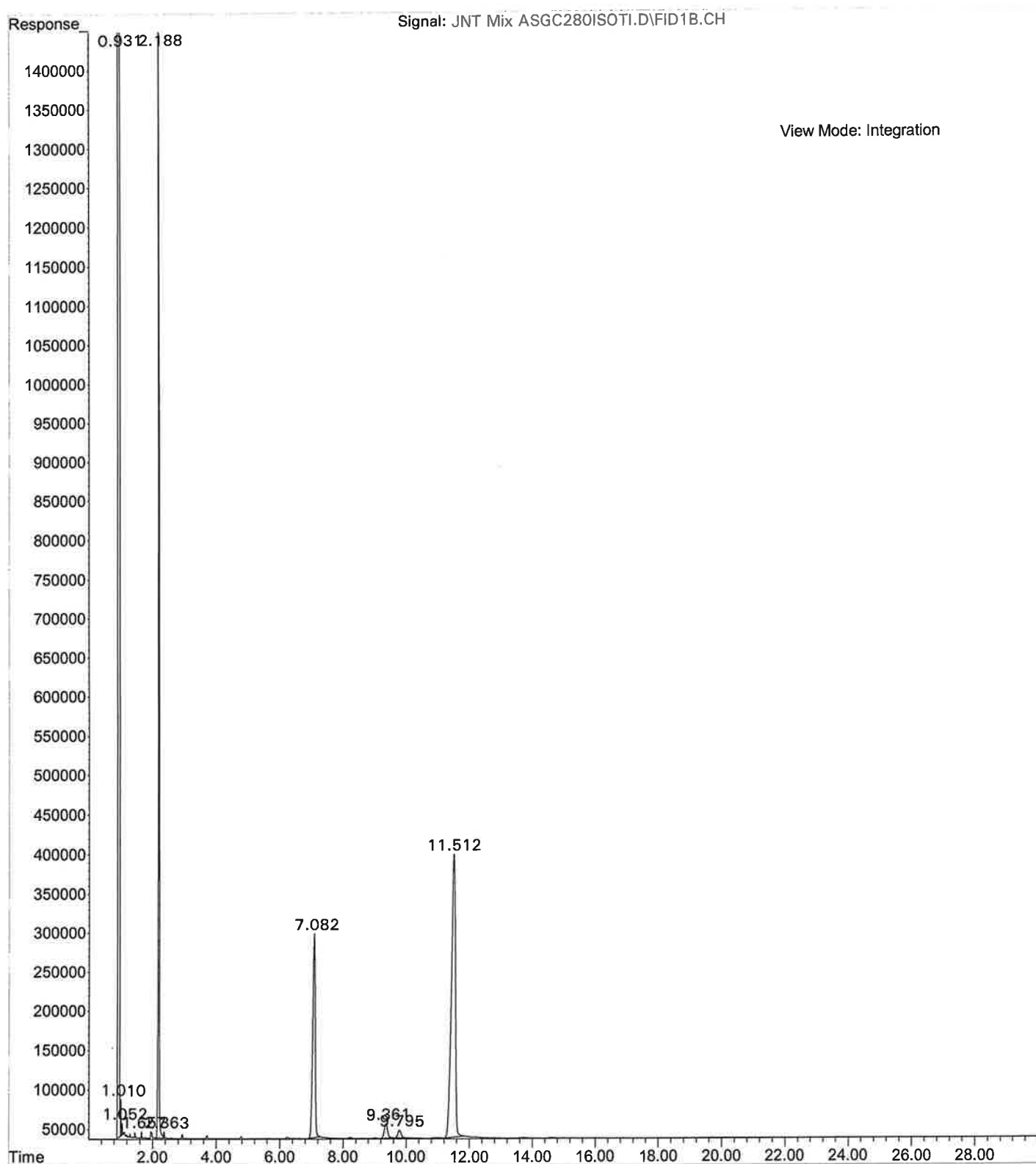


File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\10-13-14 M ASGC28
... 0ISOTI.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 10:32 using AcqMethod ASGC280ISOTI.M
Sample Name: Methanol Blank
Misc Info : Methanol 280c for 30 min

ASGC280
ISOTI



File :C:\msdchem\1\data\LJ\Nashville 2014\Oct\AS\JNT Mix ASGC280IS
... OTI.D
Operator : DENOTRIA F. PATTERSON
Instrument : JAVA
Acquired : 13 Oct 2014 11:04 using AcqMethod ASGC280ISOTI.M
Sample Name: JWH 081, Nandrolone Undecanoate, Testosterone
Misc Info : Methanol 280c for 30 min



Validation Review

Procedure Mass Spec method 100-280°C
modification of ramp to 35°C/min from 70°C/min.

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

Sign and Date to indicate your acceptance of the procedure/instrument:

Examiner (if applicable) Glenn B. Everett Date 9-21-17

Unit Supervisor Glenn B. Everett Date 9-21-17

Technical Leader (if different than Supervisor) Glenn Everett Date 9-21-17

Crime Laboratory Regional Supervisor Jennifer Hall Date 9-21-17

Quality Assurance Manager Chad D. [Signature] Date 09-21-17

*All information must be submitted to the Quality Assurance Manager prior to the implementation of the procedure/instrument. If all technical staff training has not been completed, please include a proposed training plan and completion schedule.

The mass spectrometer method for the analysis of drugs beginning at 100°C and ramping at 70°C/minute up to a final temperature of 280°C was modified to cut the ramp in half to 35°C/minute. This was done to get better separation in the chromatography of similar eluting compounds. A mixture of amphetamine, methamphetamine, and phentermine was run on GC/MS beginning at 100°C and ramping at 70°C/minute up to a final temperature of 280°C. The ramp was then adjusted to 35°C/minute. The data that was obtained verified what initially was thought. The results showed that chromatographic peak separation was more pronounced by slowing down the temperature ramp thus making identification of similarly eluting compounds easier.

SOLVENTS

Methanol Lot 670294 Bottle 1

Chloroform Lot 56050 Bottle 4

0.5N NaOH Lot 16A200002 Bottle 1

STANDARDS

Amphetamine K&K Labs Lot 83567

Methamphetamine K&K Labs Lot 732A

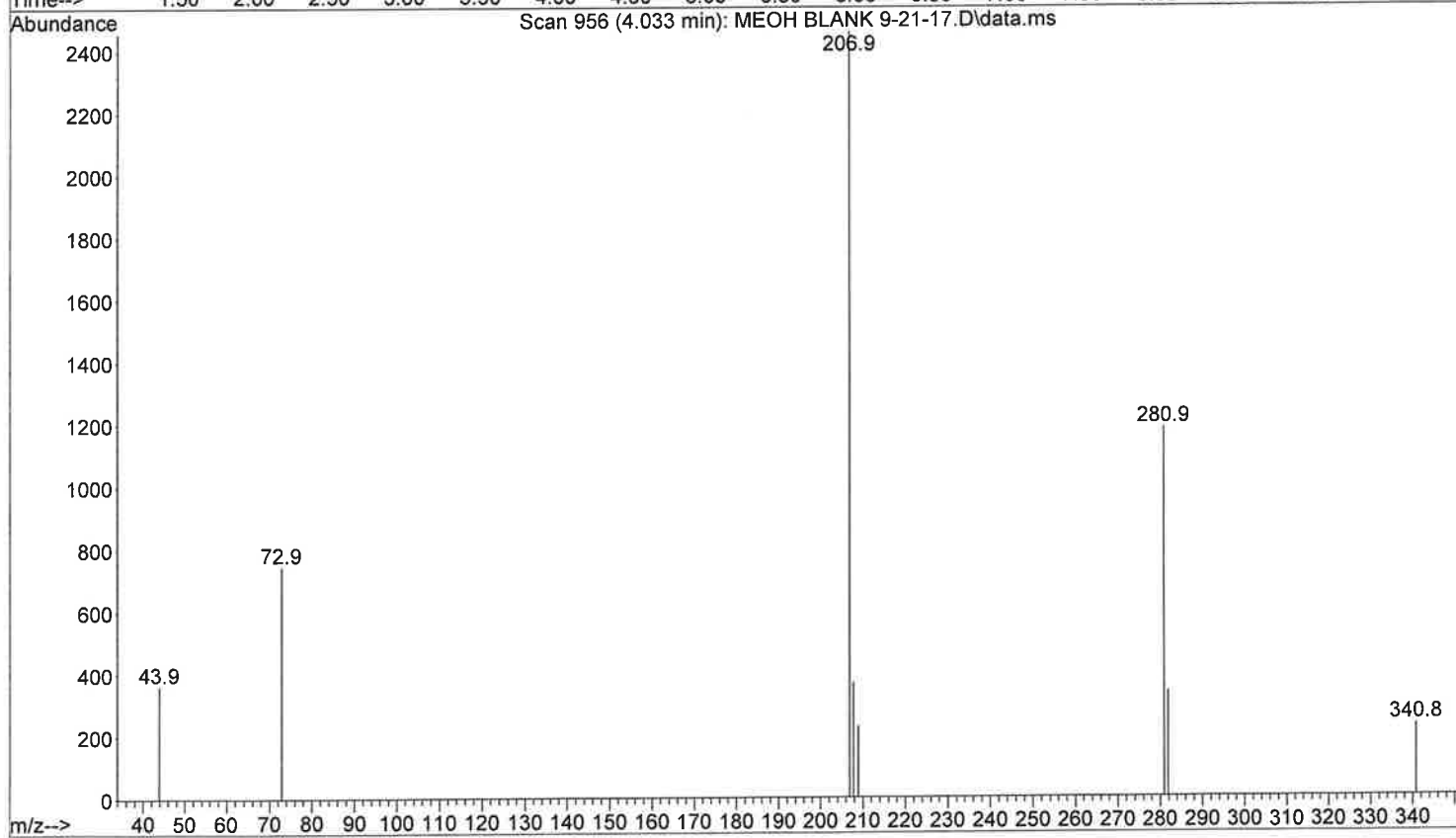
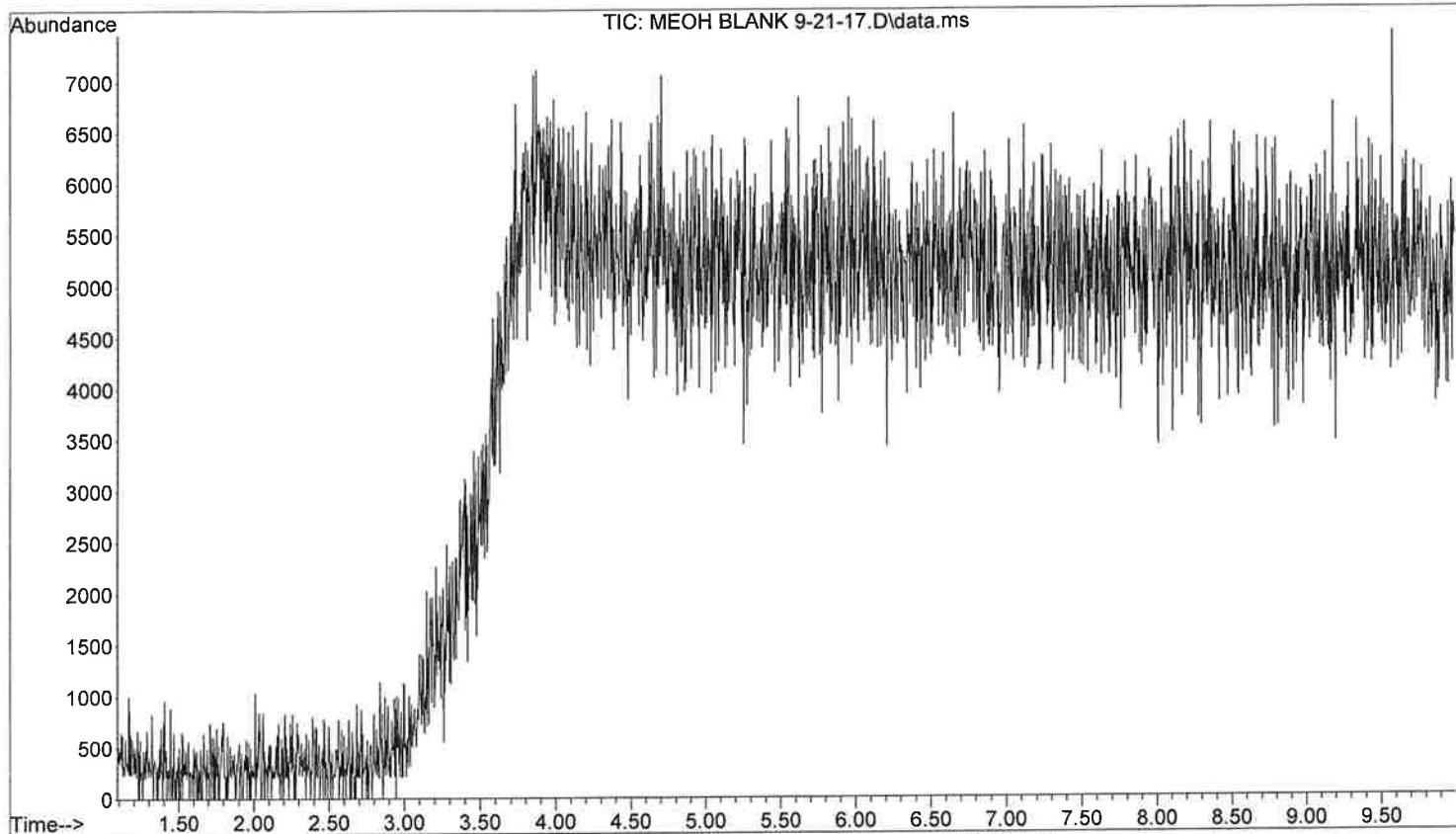
Phentermine Sigma Lot 47H0208

INSTRUMENTATION

HP6890/5973 US00028827/US92307670

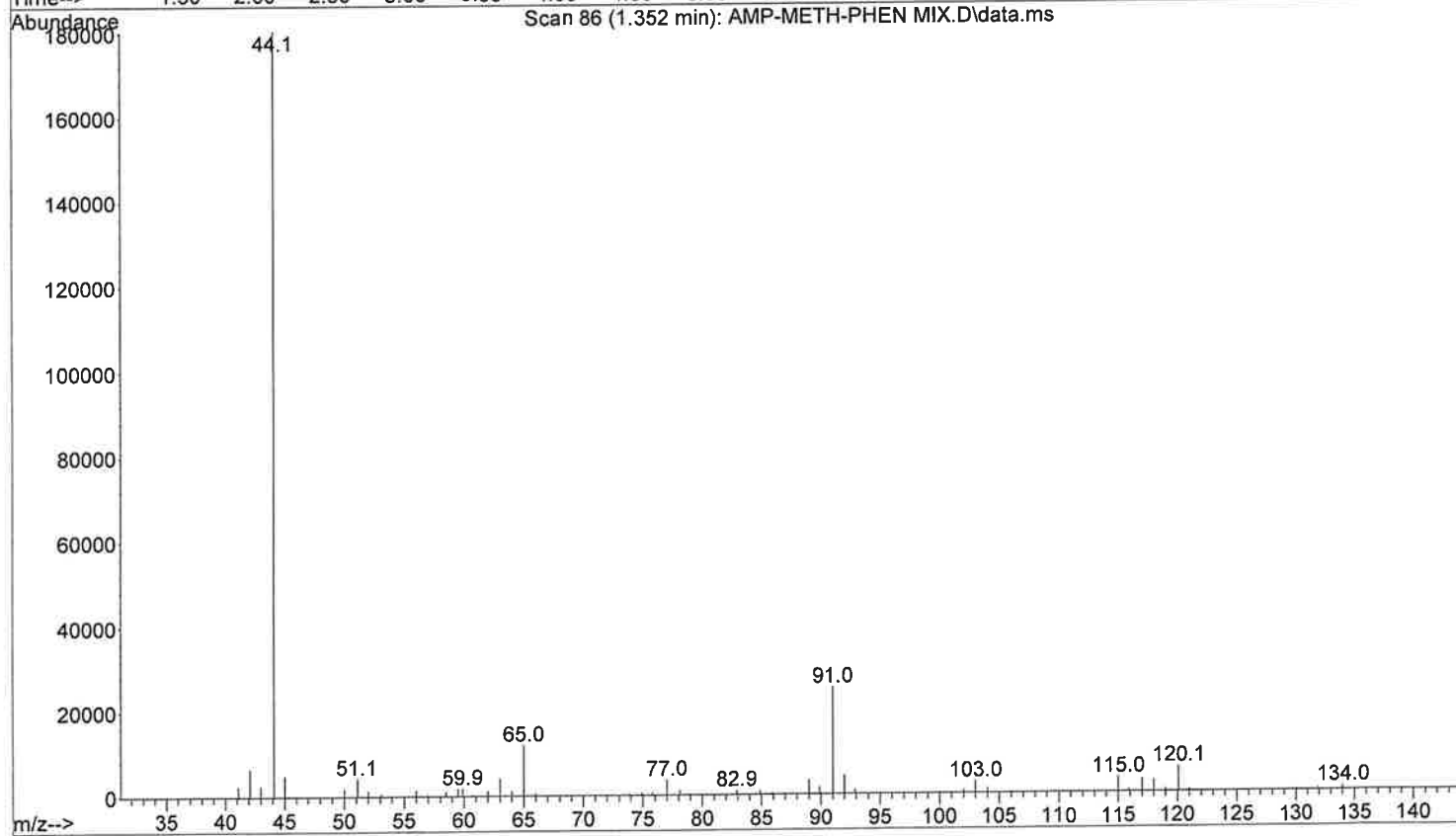
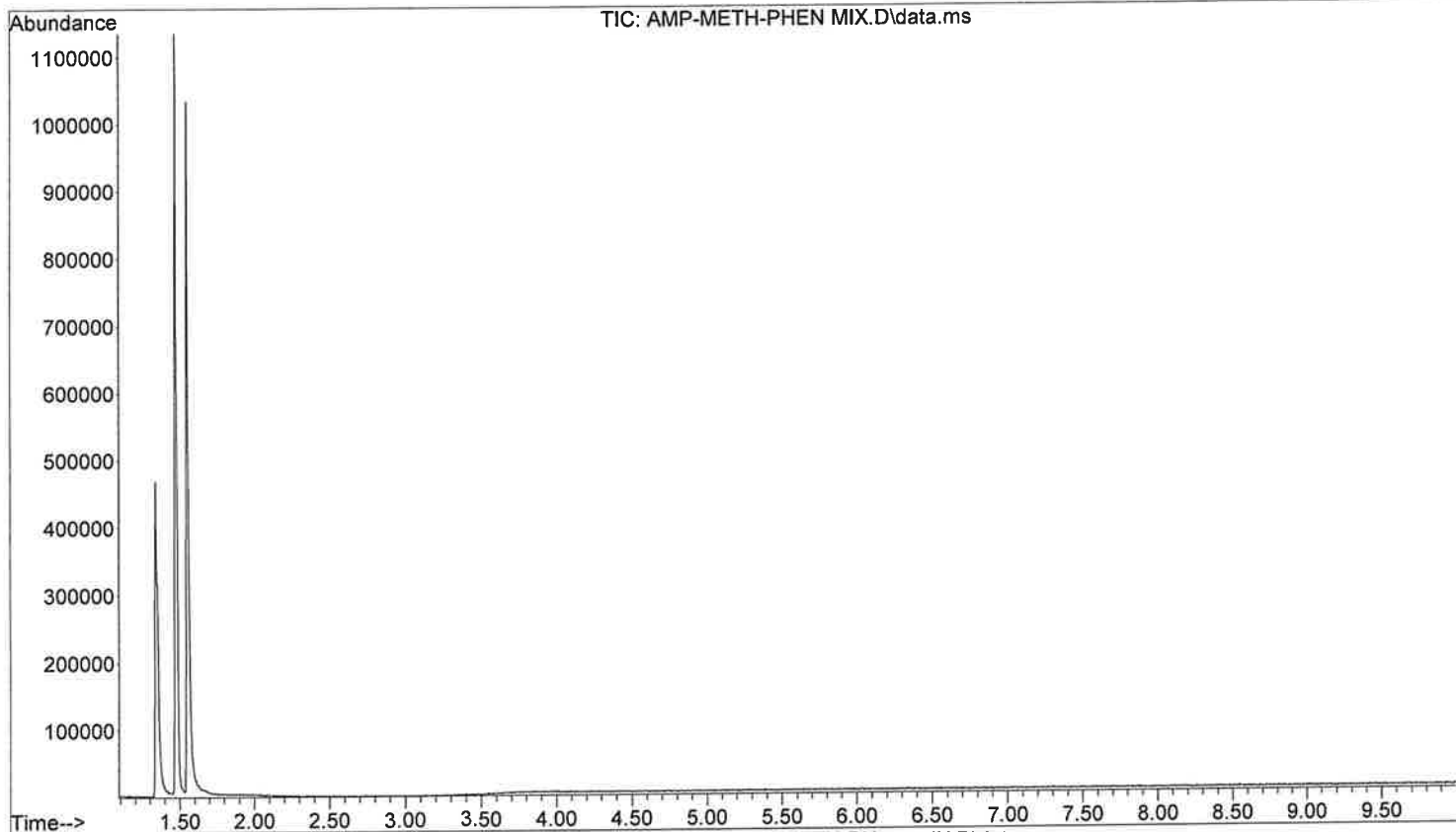
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Operator : Glenn Everett
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Instrument : donna2
Sample Name: MeOH
Misc Info : 100-280C@70C/min.
Vial Number: 26

ABE



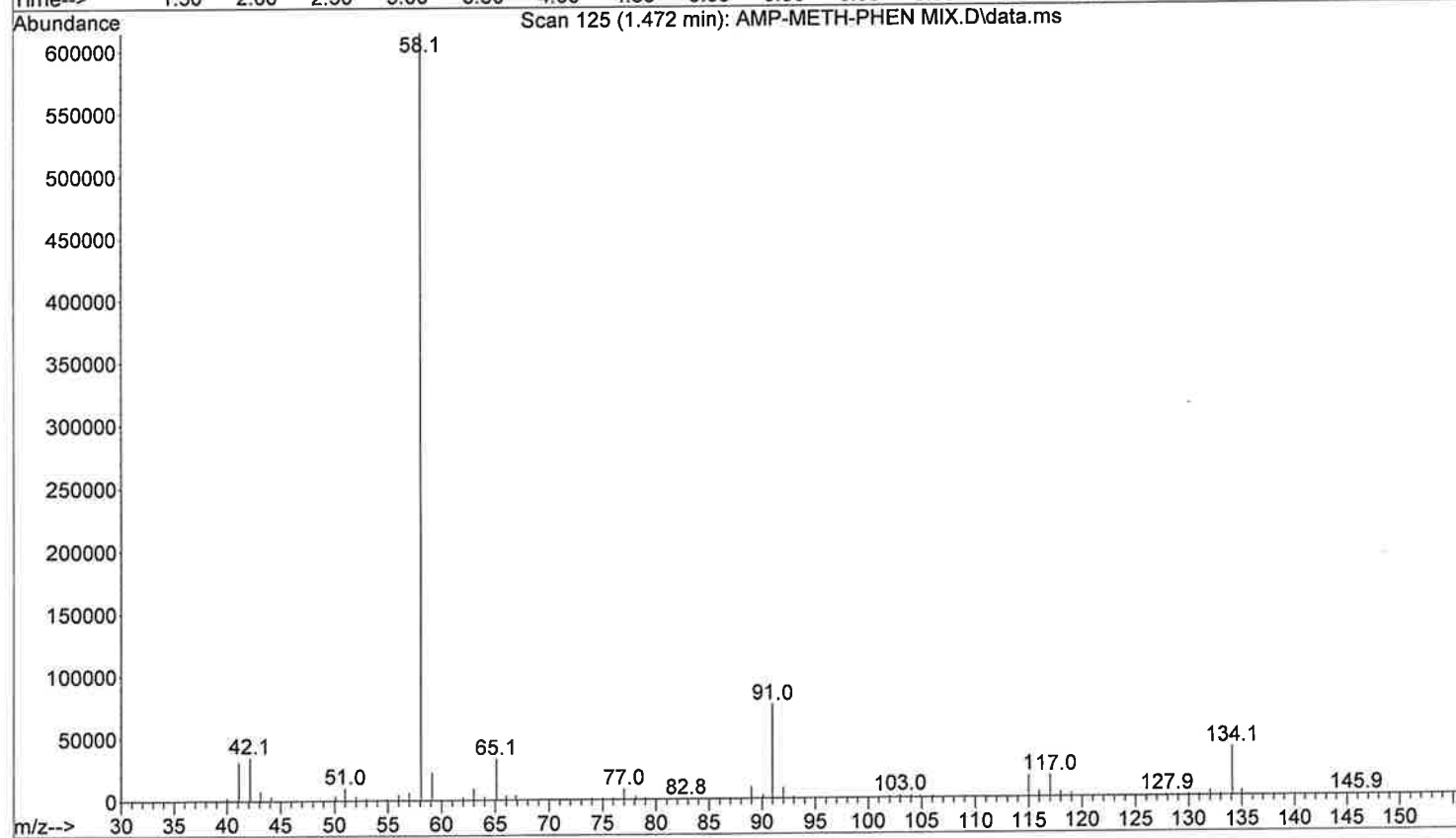
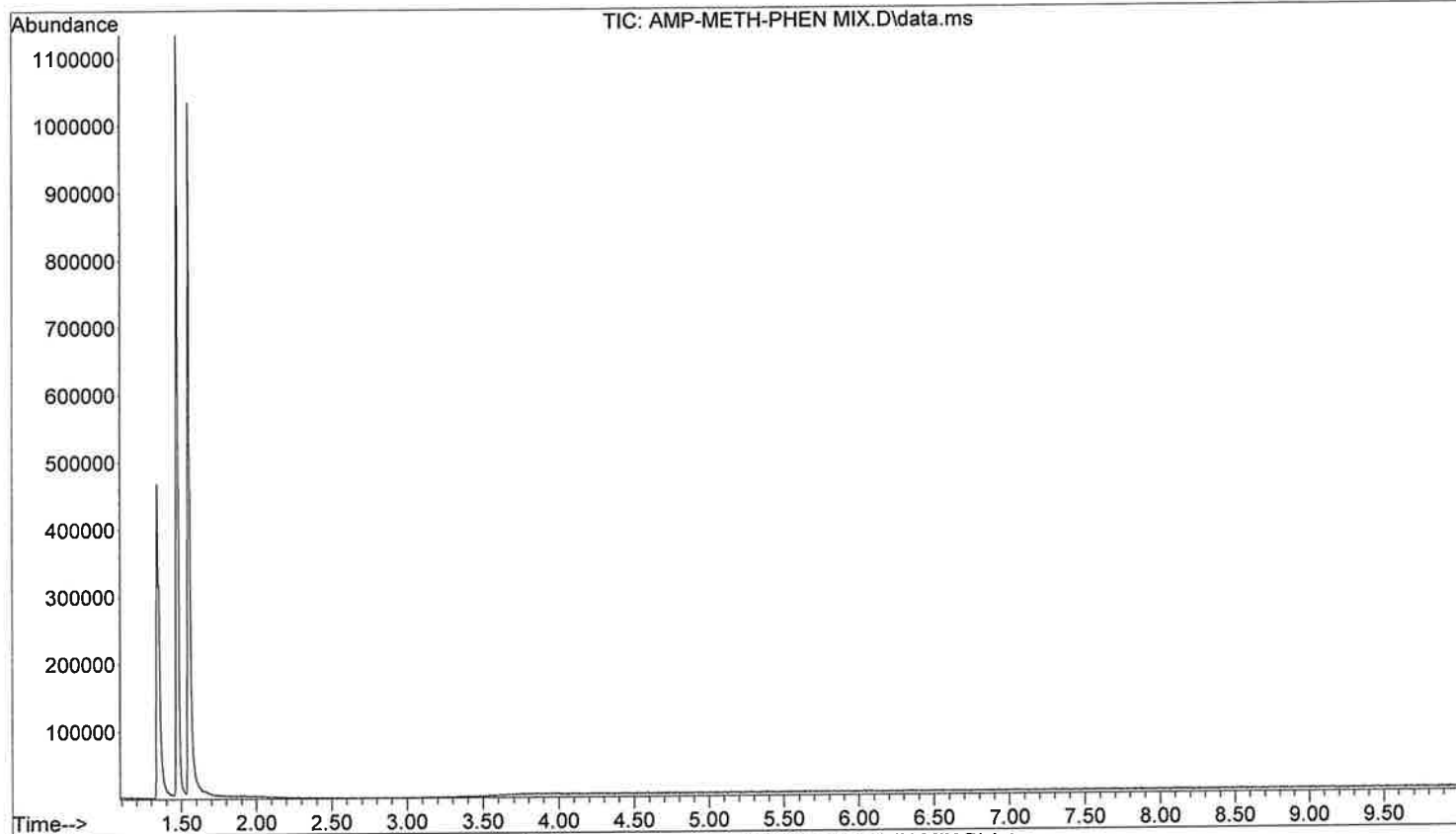
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Instrument : donna2
Sample Name: Amphetamine/Methamphetamine/Phentermine
Misc Info : 100-280C@70C/min.
Vial Number: 26

JP E



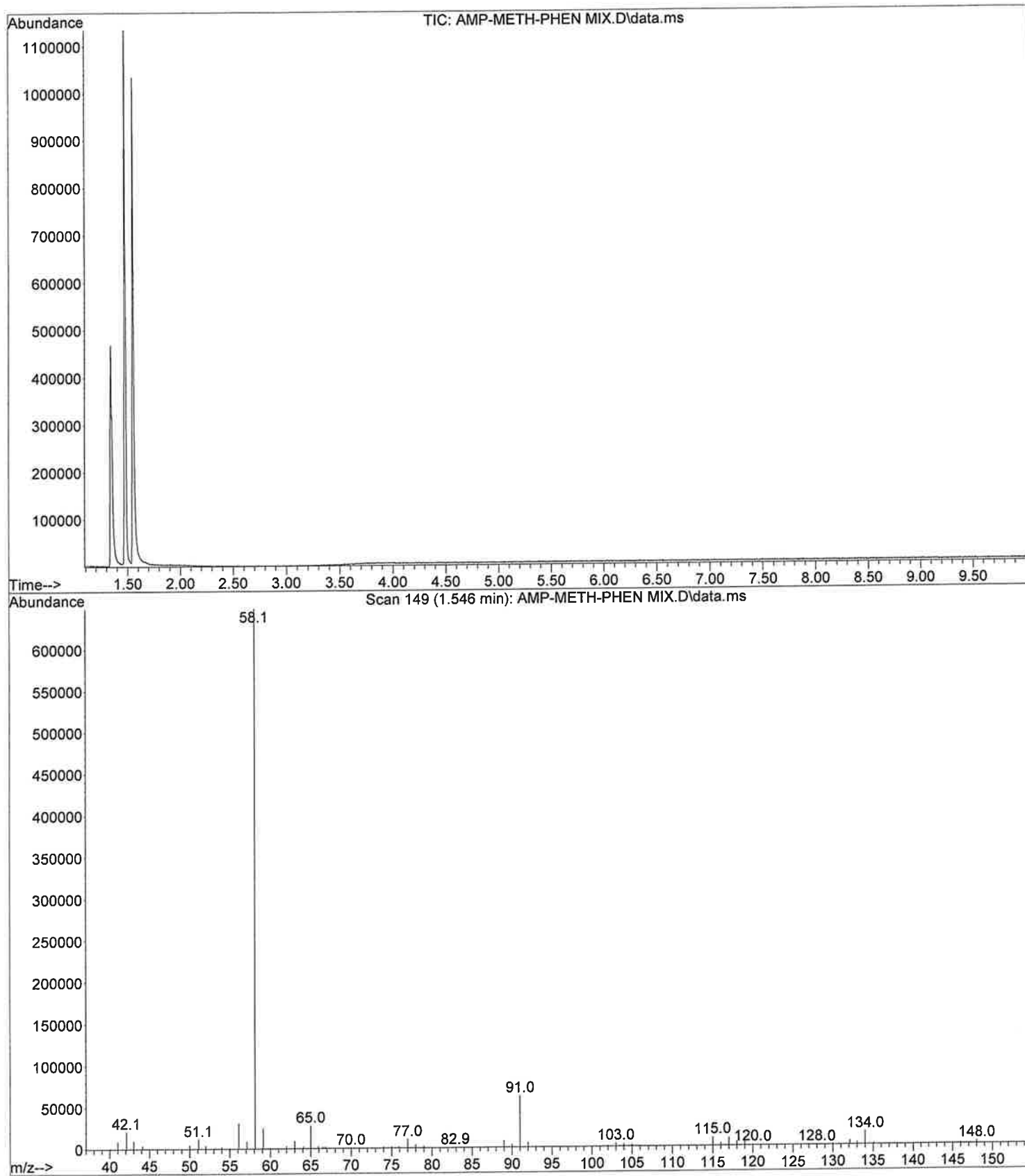
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Misc Info : 100-280C@70C/min.
Vial Number: 26

GBE



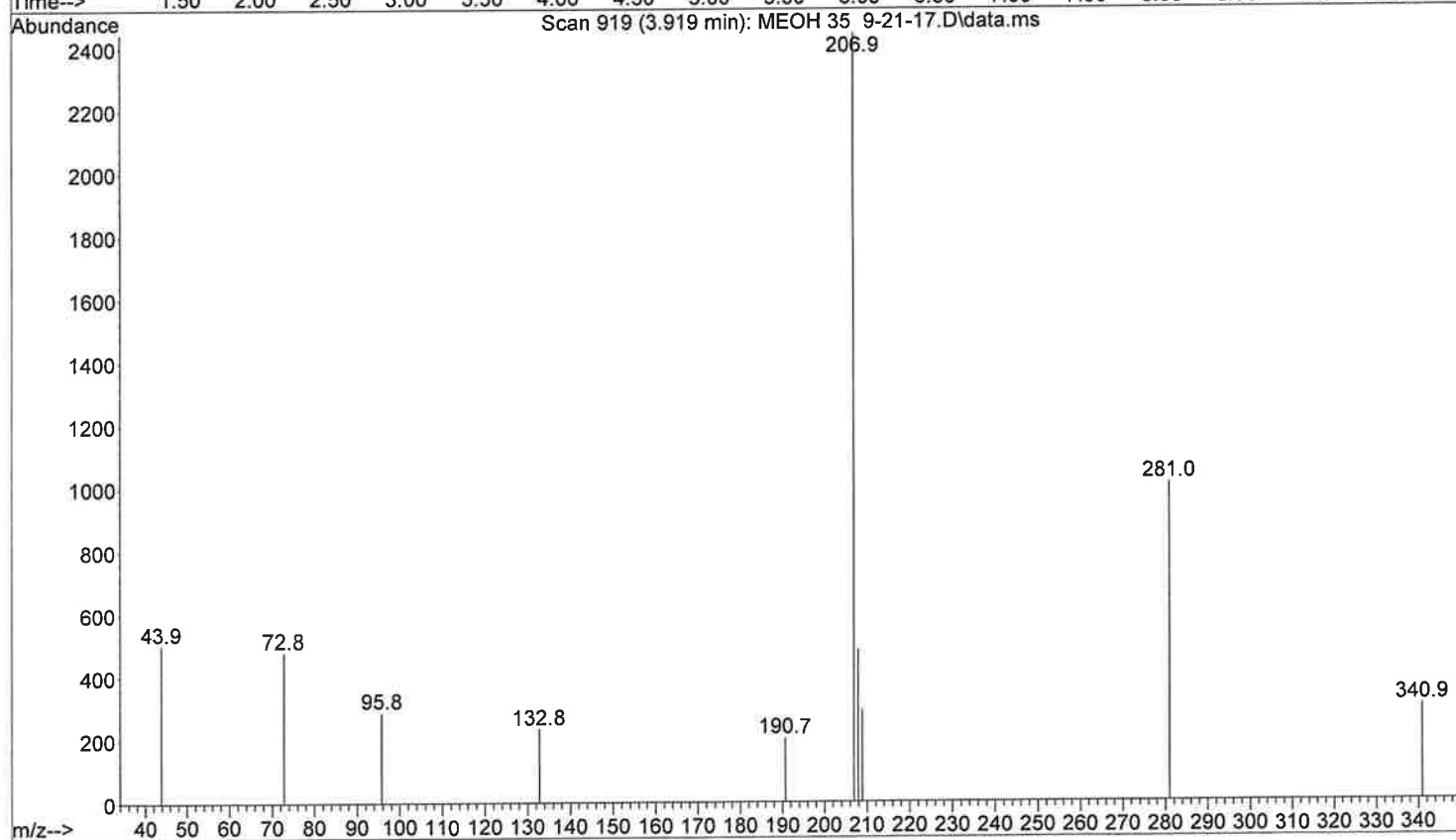
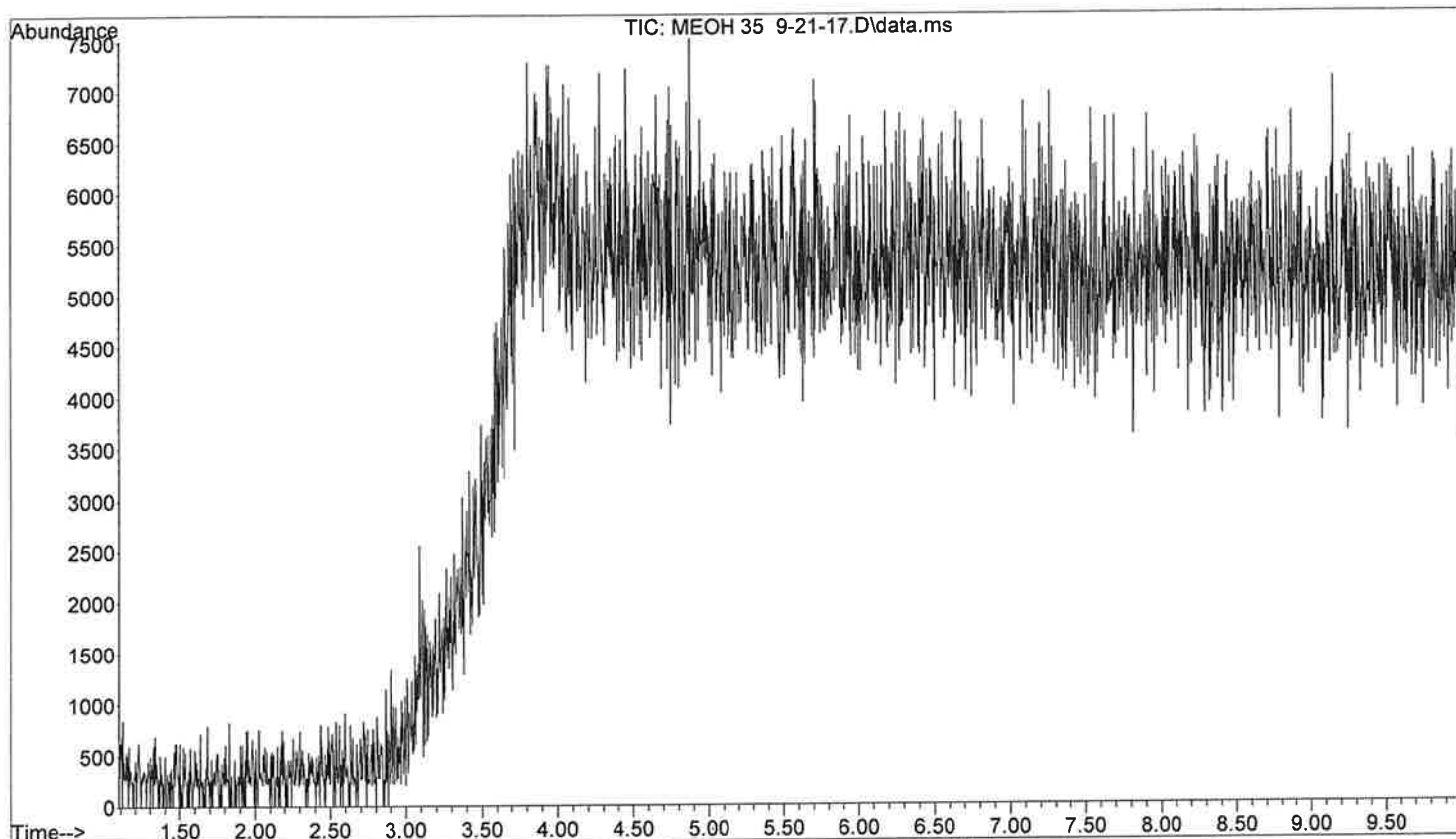
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Instrument : donna2
Sample Name: Amphetamine/Methamphetamine/Phentermine
Misc Info : 100-280C@70C/min.
Vial Number: 26

GBE



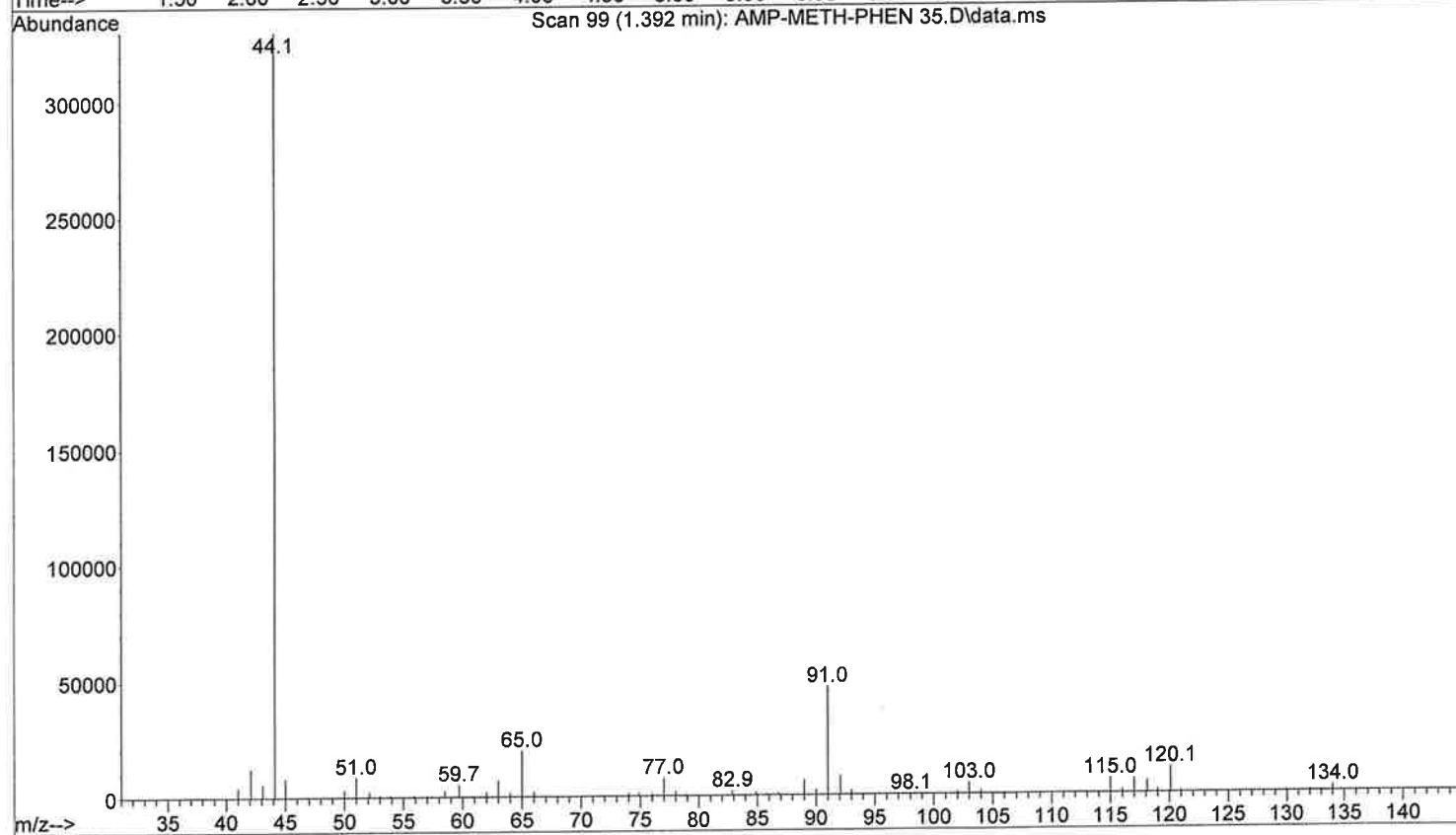
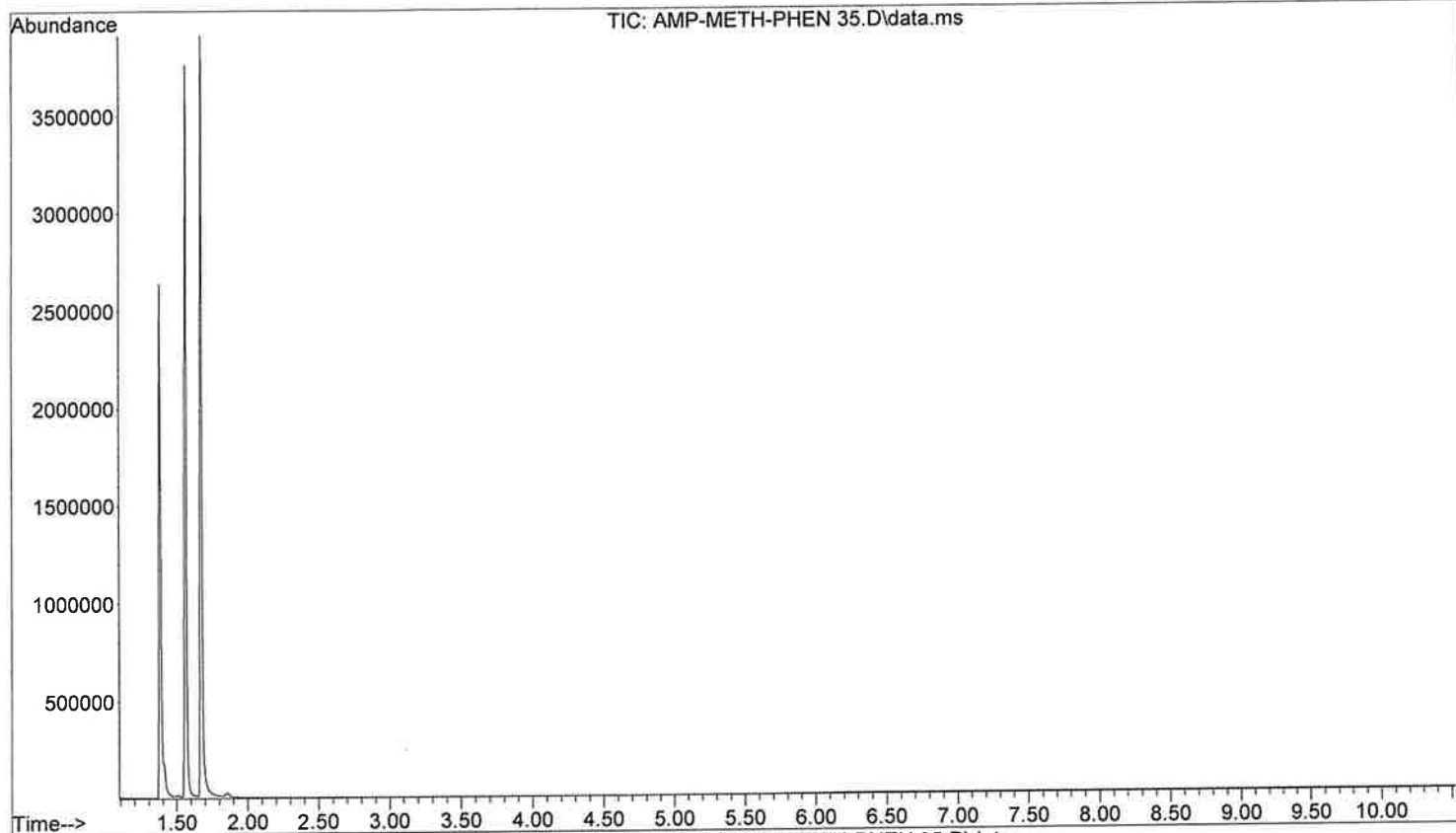
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Instrument : donna2
Sample Name: MeOH
Misc Info : 100-280C@35C/min.
Vial Number: 26

YOE



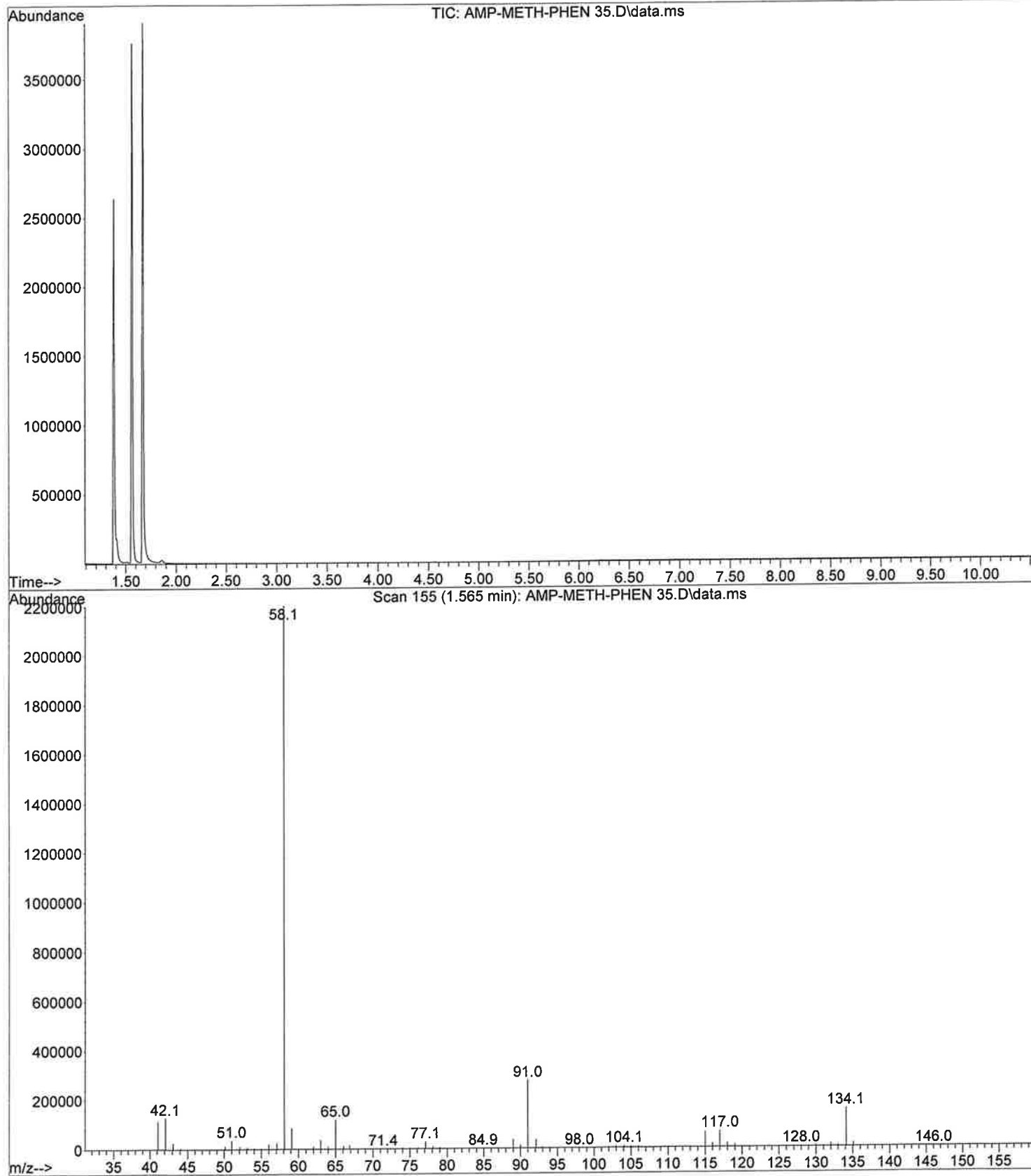
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Operator : Glenn Everett
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Instrument : donna2
Sample Name: Amphetamine-Methamphetamine-Phentermine
Misc Info : 100-280C@35C/min.
Vial Number: 26

NOE



File :C:\msdchem\1\data\2017\GBE\AMP-METH-PHEN 35.D
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Instrument : donna2
Sample Name: Amphetamine-Methamphetamine-Phentermine
Misc Info : 100-280C@35C/min.
Vial Number: 26

GBE



File :C:\msdchem\1\data\2017\GBE\AMP-METH-PHEN 35.D
Operator : Glenn Everett
Acquired : 21 Sep 2017 13:55 using AcqMethod MSDRUGS100.M
Instrument : donna2
Sample Name: Amphetamine-Methamphetamine-Phentermine
Misc Info : 100-280C@35C/min.
Vial Number: 26

GBE

