Notice of Simulator Solution File Review

At the request of the State Toxicologist a review of the following simulator solution records has been accomplished. The following file consists of simulator solution analyses performed and completed by the State Toxicology Laboratory for a specific batch number. The file contains the simulator solution data entry form along with a file review record and the chromatograms generated by the Toxicology Laboratory during the analyses of the solutions. This file has been reviewed by Tpr. Ken Denton and Mr. Rod Gullberg for accuracy and completeness. Where computations regarding simulator solution values have been found to be incorrect, the corrected values have been written in by Mr. Rod Gullberg along with initials and date. The corrected values were then evaluated to ensure that the solution still conformed to those standards established by the State Toxicologist.

Where computation values changed for a specific batch number, the analysts employed by the State Toxicology Laboratory were asked to review the revisions, ensure the solution complied with the criteria established by the State Toxicologist and then re-sign their affidavit. Their signature will appear on their original affidavit along with a statement regarding their review of the results.

Where a dating error occurred that analyst will have made the correction on the original data form including their initials and date and then re-signed their original affidavit.

K.L.T. 10/15/2007

Tpr. Ken Denton Date

R.G.G. 10-15-07

Rod G. Gullberg Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / ROB GULLBERG Date 10-8-07

Location TOX LAB SEATTLE Batch Number 05030

Form Review Criteria

Preparation date precedes all analysis dates: Okay X Not Okay ___

Data entry corresponds to all chromatograms: Okay X Not Okay ___

All signatures present: Okay X Not Okay ___

Computations:

Avg. solution concentration: Correct X Not Correct ___

Standard deviation: Correct X Not Correct ___

Range: Correct X Not Correct ___

Precision: Correct X Not Correct ___

Equivalent vapor concent.: Correct X Not Correct ___

External Control Information
(lot # and future date): Correct X Not Correct ___

Complies with accuracy and precision requirements established by the State Toxicologist: Yes X No ___

Corrections Necessary:

Comments:

Reviewer Signature: [signature] Date: 10-8-07

Reviewer Signature: [signature] Date: 10/8/2007

9/26/2007

WASHINGTON STATE TOXICOLOGY LABORATORY
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 262-6100 FAX (206) 262-6145

Preparation and certification of **0.15** g/210L Quality Assurance solution

Batch number **05030** Date: 8/18/2005

Preparation: 42.3 mL of absolute ethyl alcohol diluted to 18 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12	Anal 13	Anal14	Anal 15	Anal 16
1	0.187	0.189	0.186													
2	0.188	0.189	0.187													
3	0.188	0.188	0.189													
4	0.188	0.187	0.187													
5	0.188	0.188	0.187													
Ctrl	0.101	0.101	0.100													

External Control:
Lot #: A028603 Exp date: 12/07
Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.1526 g/210L

Statistics:
Avg. solution concent.: 0.1877 g/100 mL
SD: 0.00088
Range (3xSD): 0.1850 to 0.1904
Precision CV (%): 0.4708 %

Analyst	Name	Signature	Date
1	Kelly Gross		08/19/2005
2	Estuardo J. Miranda		08/19/2005
3	Mary E Wilson		08/22/2005
4			
5			
6			
7			
8			
9			
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11			
12			
13			
14			
15			
16			

Prepared by: Kelly Gross according to the approved protocol

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360•Seattle, Washington 98134-2927•(206) 262-6100•FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Kelly D. Gross, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: B.S. degree in Chemistry and fifteen years of forensic laboratory experience.

The quality assurance solution, Lot Number 05030, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1877 grams per 100ml.

Dated: 8/30/05
Seattle, WA

Kelly D. Gross
Forensic Toxicologist

KDG/la
KDGQA

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360•Seattle, Washington 98134-2927•(206) 262-6100•FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Estuardo J. Miranda, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: Bachelor of Science in Chemistry, Master of Science in Zoology, seven years experience in biochemical research and seven years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 05030 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1877 grams per 100ml.

Dated: 8/30/05
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/la
EMQA

A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

10-15-2007

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2203 Airport Way South, Suite 360•Seattle, Washington 98134-2927•(206) 262-6100•FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Mary E. Wilson, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and a minor in Chemistry with three years of experience in toxicology, including two years in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 05030, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1877 grams per 100ml.

Dated: 8/30/05
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/la
MEWQA

Sequence Parameters:

Operator:	Estuardo J. Miranda
Data File Naming:	Auto
Data Directory:	D:\HPCHEM\1\DATA\
Data Subdirectory:	050820JM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Q.A.03031-1 KDG	BLDALCO2	1	Sample		
2	Vial 2	Q.A.03031-2 KDG	BLDALCO2	1	Sample		
3	Vial 3	Q.A.03031-3 KDG	BLDALCO2	1	Sample		
4	Vial 4	Q.A.03031-4 KDG	BLDALCO2	1	Sample		
5	Vial 5	Q.A.03031-5 KDG	BLDALCO2	1	Sample		
6	Vial 6	0.100 Control EM	BLDALCO2	1	Ctrl Samp		
7	Vial 7	Blank	BLDALCO2	1	Sample		
8	Vial 8	Q.A.03032-1 KDG	BLDALCO2	1	Sample		
9	Vial 9	Q.A.03032-2 KDG	BLDALCO2	1	Sample		
10	Vial 10	Q.A.03032-3 KDG	BLDALCO2	1	Sample		
11	Vial 11	Q.A.03032-4 KDG	BLDALCO2	1	Sample		
12	Vial 12	Q.A.03032-5 KDG	BLDALCO2	1	Sample		
13	Vial 13	0.100 Control EM	BLDALCO2	1	Ctrl Samp		
14	Vial 14	Blank	BLDALCO2	1	Sample		
15	Vial 15	Q.A.03033-1 KDG	BLDALCO2	1	Sample		
16	Vial 16	Q.A.03033-2 KDG	BLDALCO2	1	Sample		
17	Vial 17	Q.A.03033-3 KDG	BLDALCO2	1	Sample		
18	Vial 18	Q.A.03033-4 KDG	BLDALCO2	1	Sample		
19	Vial 19	Q.A.03033-5 KDG	BLDALCO2	1	Sample		
20	Vial 20	0.100 Control EM	BLDALCO2	1	Ctrl Samp		
21	Vial 21	Blank	BLDALCO2	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

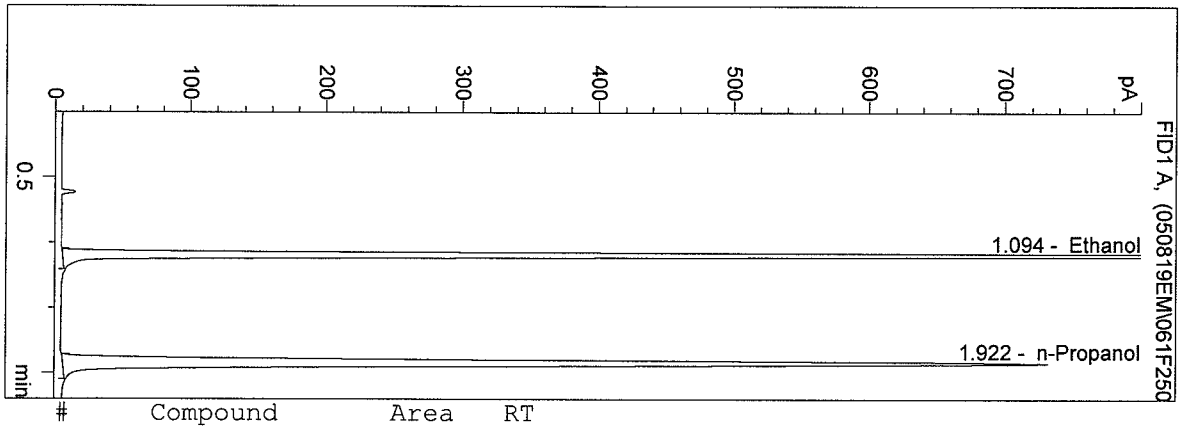
Used ERA's
Calibration

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
8/19/2005 4:59:43 PM
Instrument 5
DB-ALC2

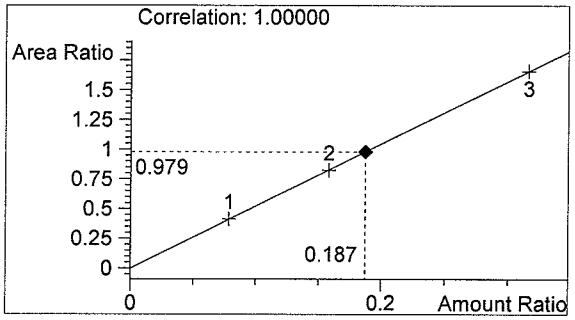
Q.A. 05030-1 KDG
Estuardo J. Miranda

vial # 61

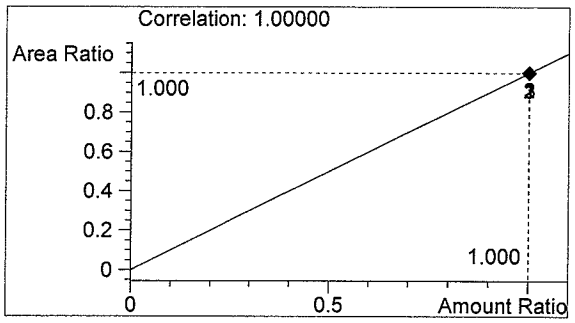


#	Compound	Area	RT
1	Ethanol	2121	1.094
2	n-Propanol	2166	1.922

Totals:



Ethanol 0.187 g/100ml



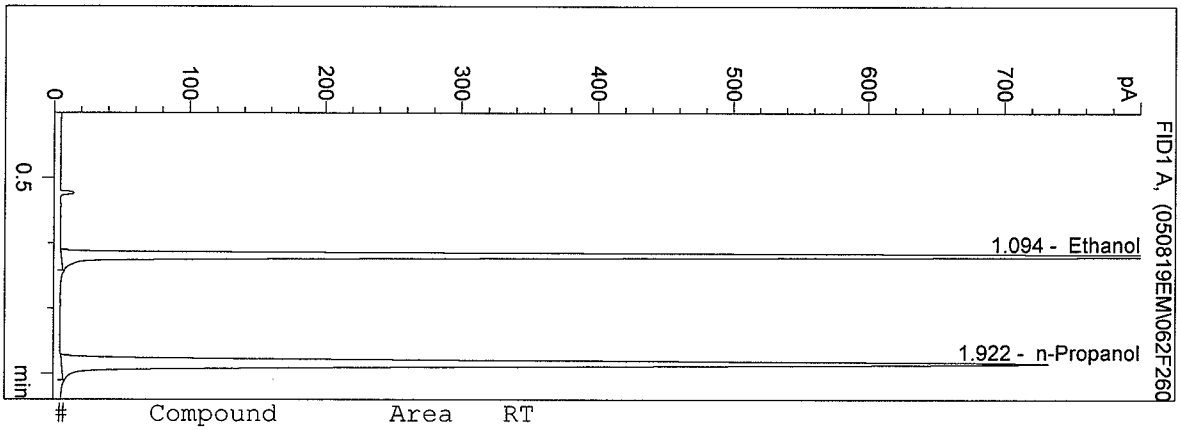
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
8/19/2005 5:02:59 PM
Instrument 5
DB-ALC2

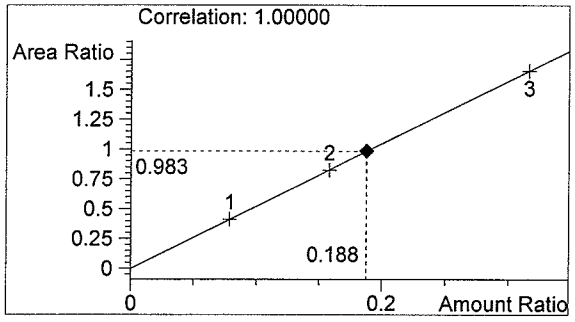
Q.A. 05030-2 KDG
Estuardo J. Miranda

vial # 62

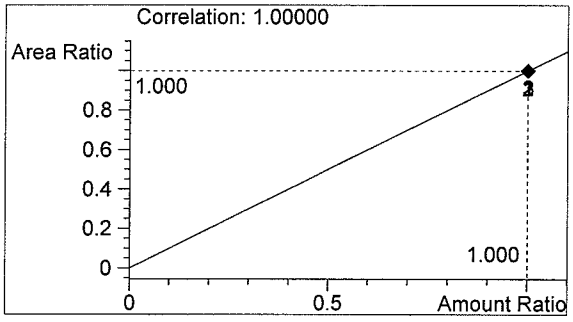


#	Compound	Area	RT
1	Ethanol	2140	1.094
2	n-Propanol	2177	1.922

Totals:



Ethanol 0.188 g/100ml



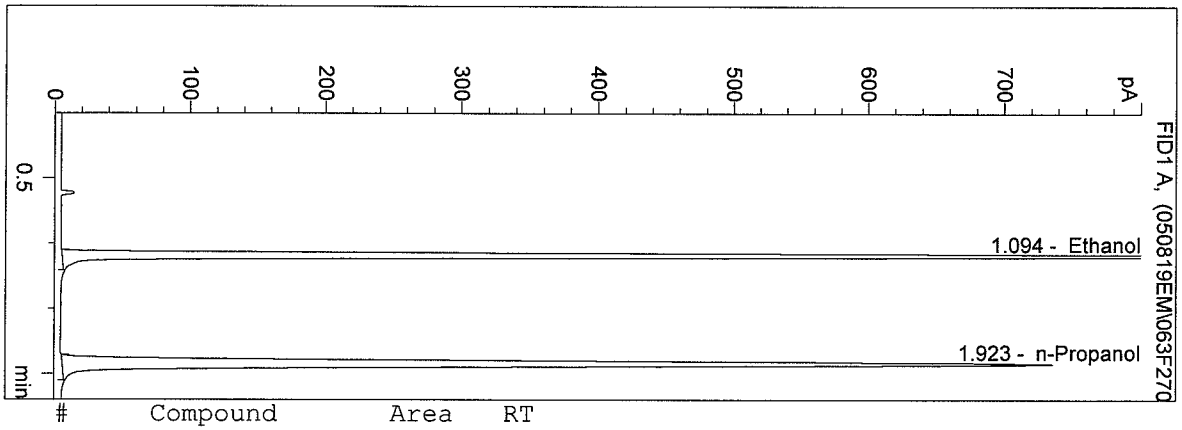
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
8/19/2005 5:06:13 PM
Instrument 5
DB-ALC2

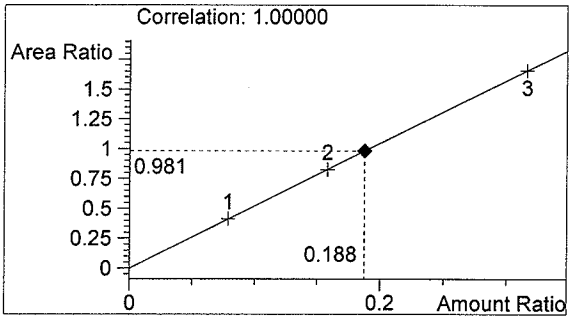
Q.A. 05030-3 KDG
Estuardo J. Miranda

vial # 63

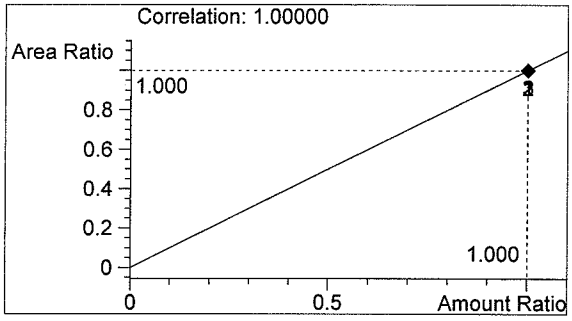


#	Compound	Area	RT
1	Ethanol	2142	1.094
2	n-Propanol	2183	1.923

Totals:



Ethanol 0.188 g/100ml



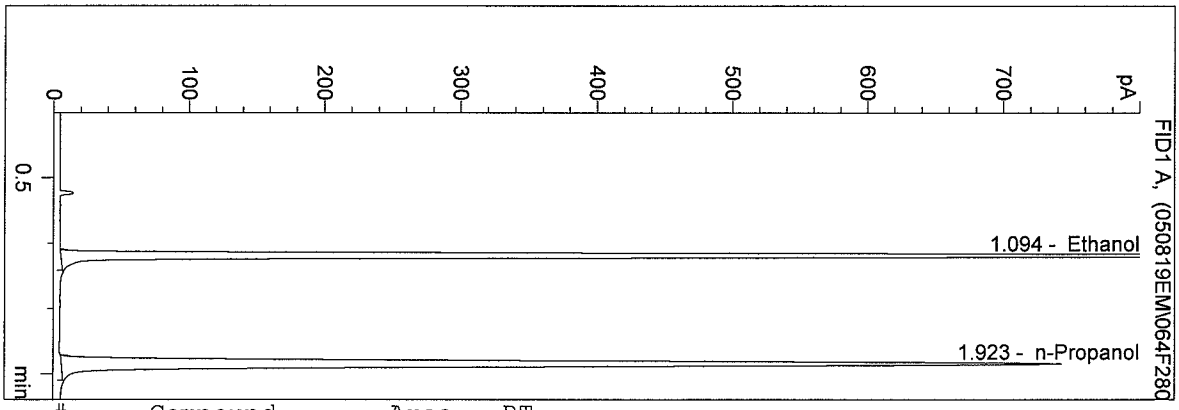
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
8/19/2005 5:09:26 PM
Instrument 5
DB-ALC2

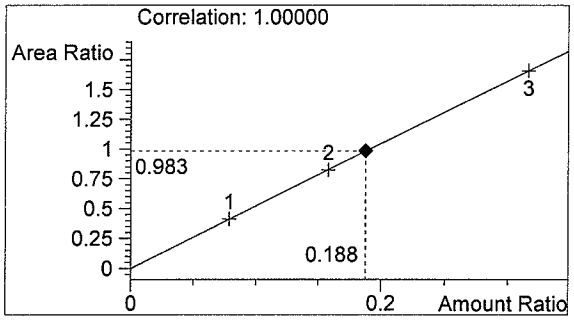
Q.A. 05030-4 KDG
Estuardo J. Miranda

vial # 64

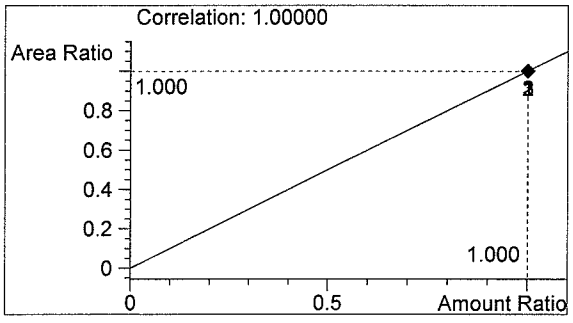


#	Compound	Area	RT
1	Ethanol	2164	1.094
2	n-Propanol	2203	1.923

Totals:



Ethanol 0.188 g/100ml



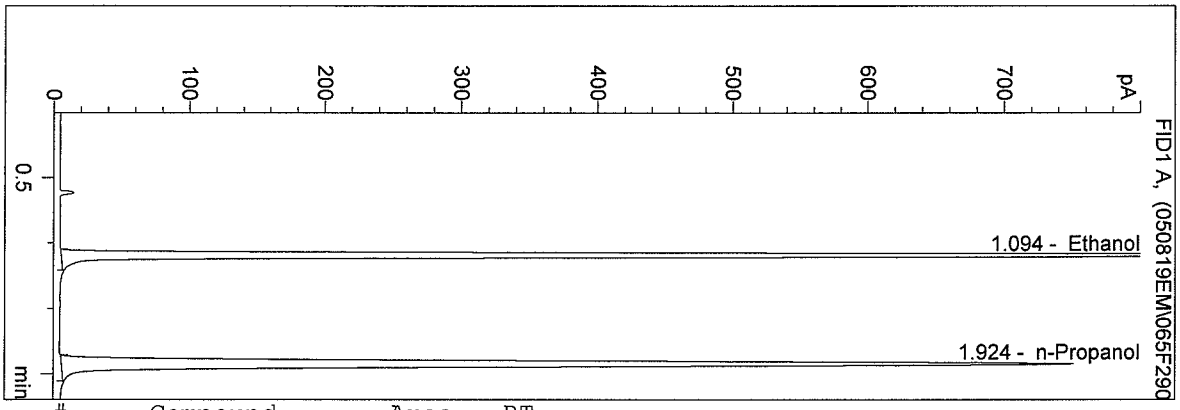
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
8/19/2005 5:12:37 PM
Instrument 5
DB-ALC2

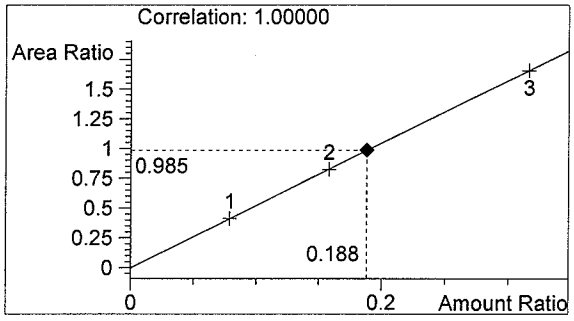
Q.A. 05030-5 KDG
Estuardo J. Miranda

vial # 65

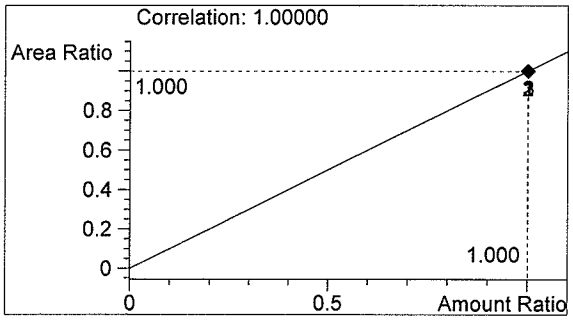


#	Compound	Area	RT
1	Ethanol	2198	1.094
2	n-Propanol	2230	1.924

Totals:



Ethanol 0.188 g/100ml



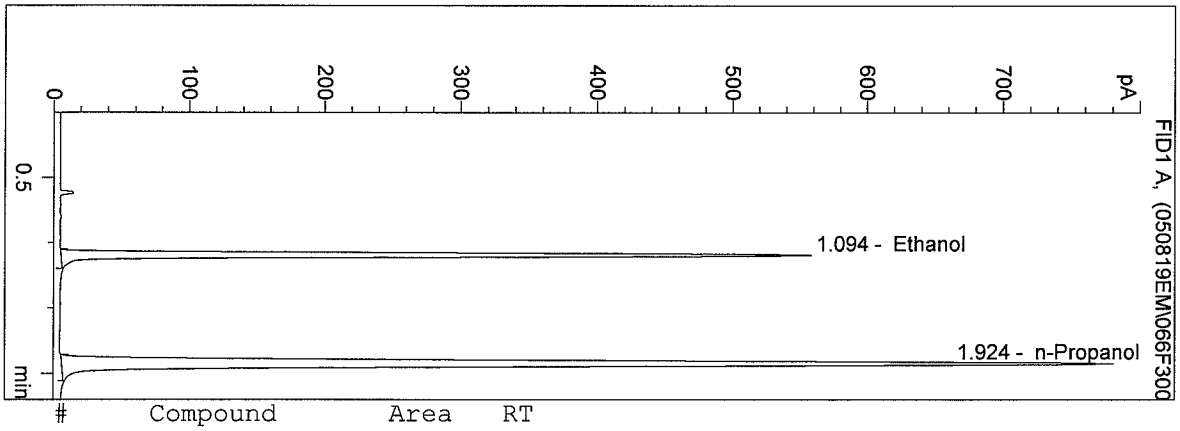
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
8/19/2005 5:15:56 PM
Instrument 5
DB-ALC2

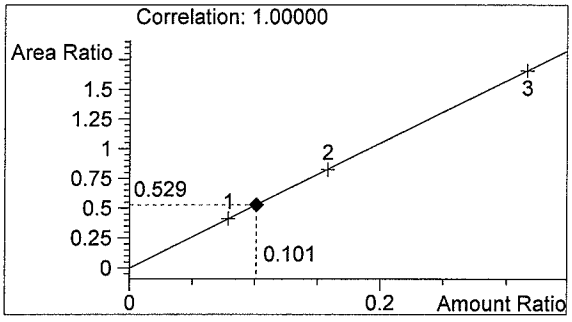
0.100 EM Control
Estuardo J. Miranda

vial # 66

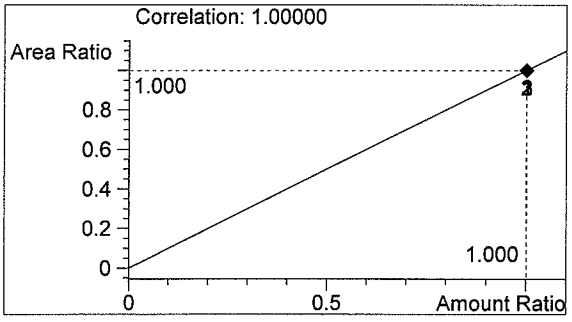


#	Compound	Area	RT
1	Ethanol	1229	1.094
2	n-Propanol	2325	1.924

Totals:



Ethanol 0.101 g/100ml



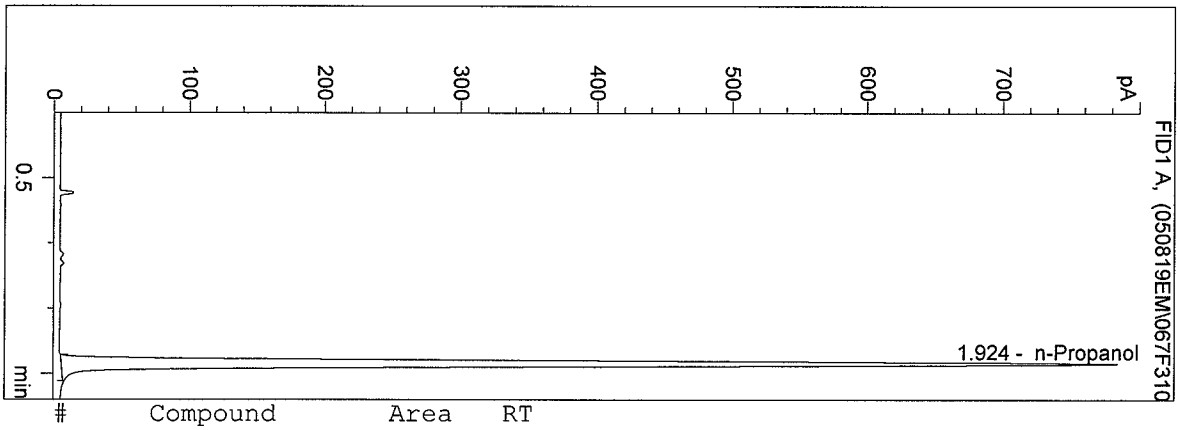
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
8/19/2005 5:19:14 PM
Instrument 5
DB-ALC2

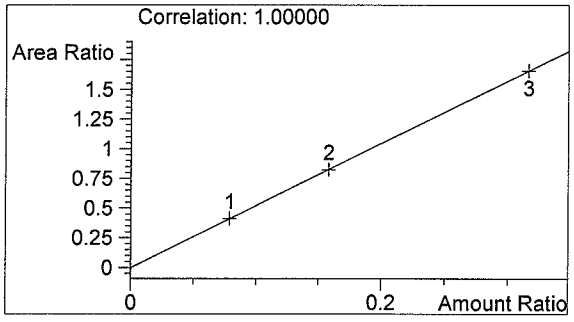
BLANK
Estuardo J. Miranda

vial # 67

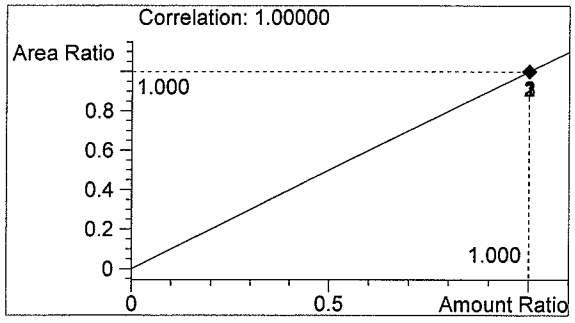


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2335	1.924

Totals:



Ethanol 0.000 g/100ml



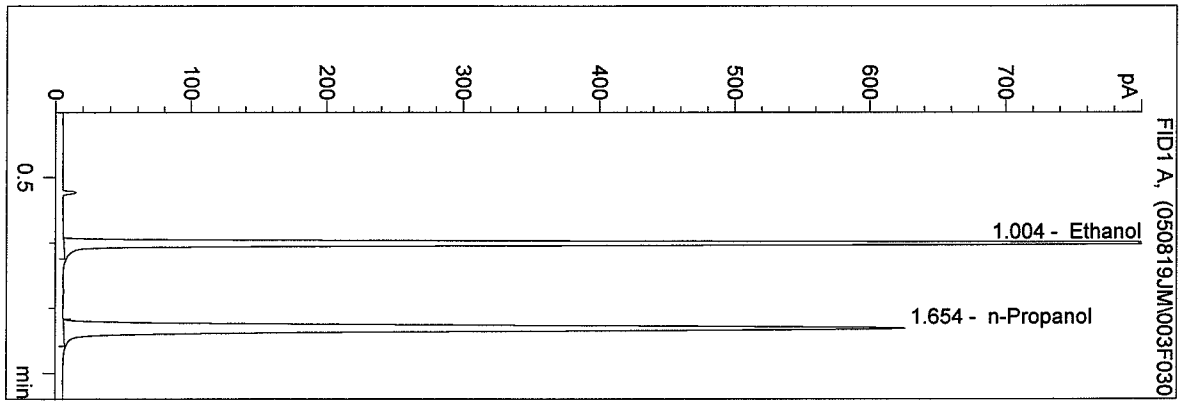
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

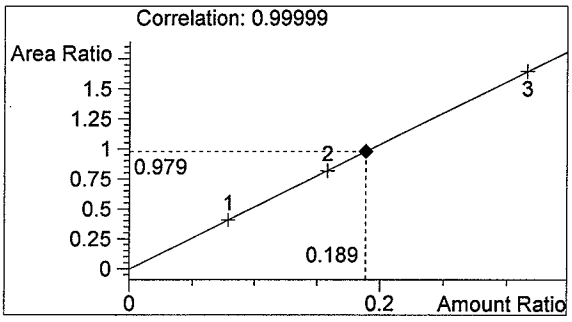
D:\HPCHEM\1\METHODS\BLDALCO.M
8/19/2005 3:59:38 PM
Instrument 4
DB-ALC1

Q.A.05030-EM-1
Estuardo J. Miranda

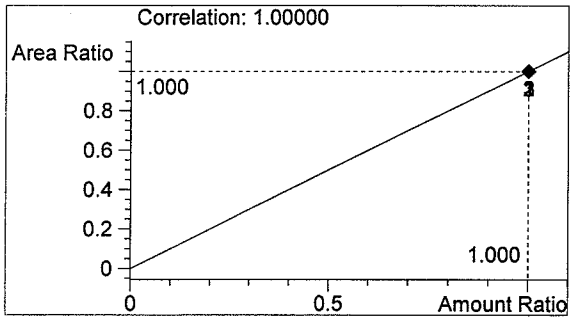
vial # 3



#	Compound	Area	RT
1	Ethanol	1907	1.004
2	n-Propanol	1949	1.654
Totals:			



Ethanol 0.189 g/100ml



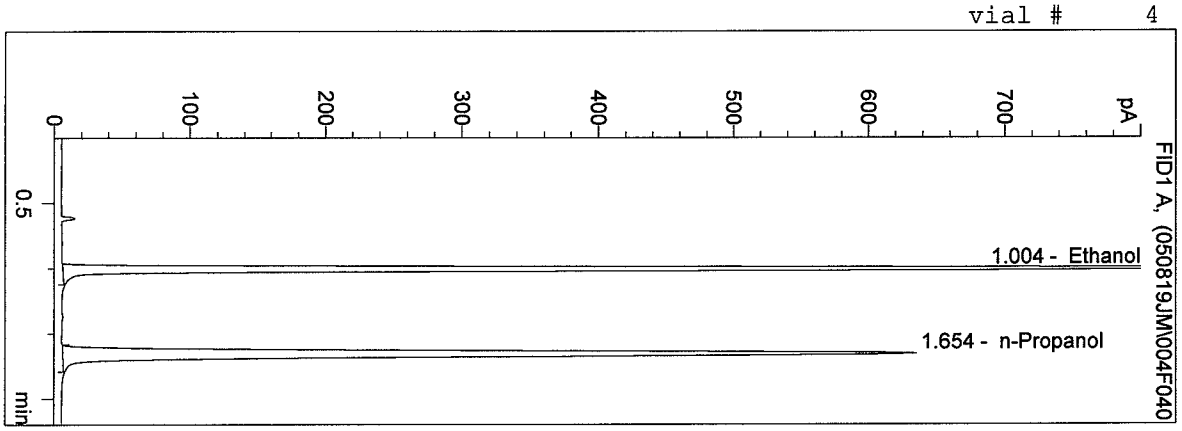
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

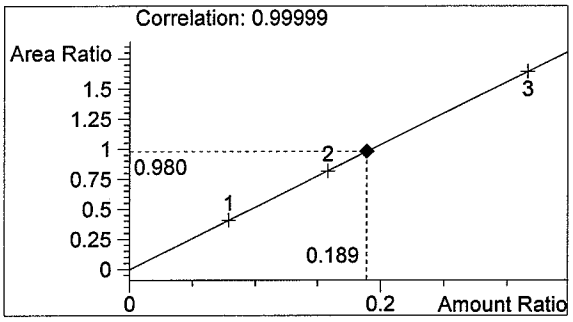
D:\HPCHEM\1\METHODS\BLDALCO.M
8/19/2005 4:02:48 PM
Instrument 4
DB-ALC1

Q.A.05030-EM-2
Estuardo J. Miranda

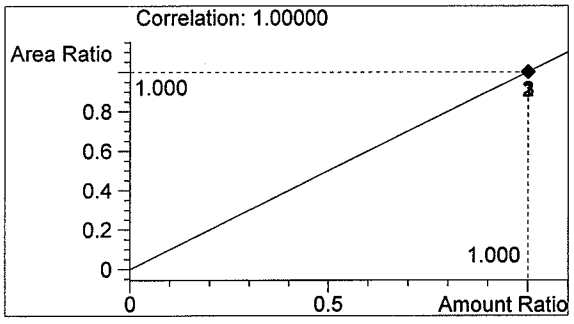
vial # 4



#	Compound	Area	RT
1	Ethanol	1938	1.004
2	n-Propanol	1978	1.654
Totals:			



Ethanol 0.189 g/100ml



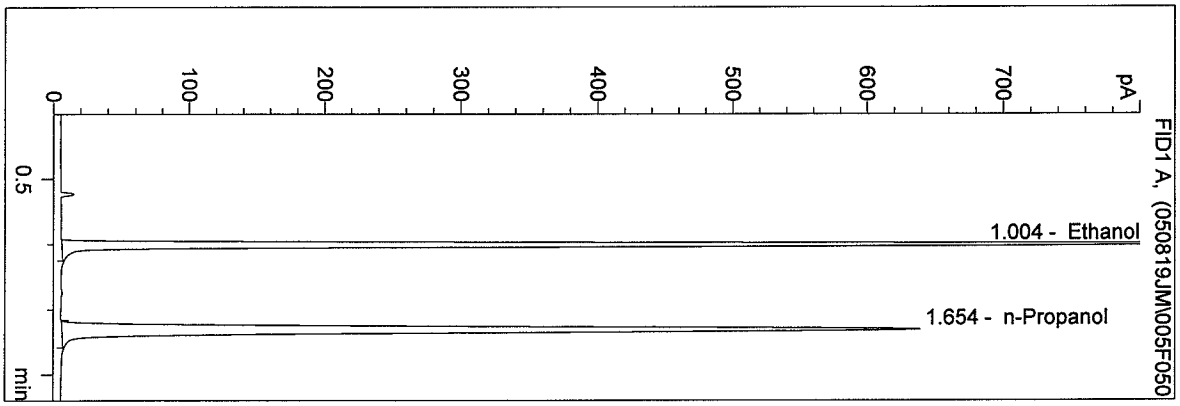
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

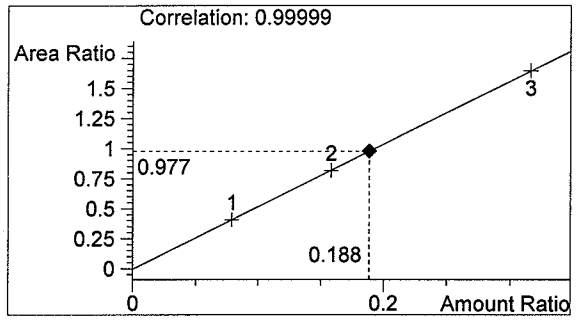
D:\HPCHEM\1\METHODS\BLDALCO.M
8/19/2005 4:06:06 PM
Instrument 4
DB-ALC1

Q.A.05030-EM-3
Estuardo J. Miranda

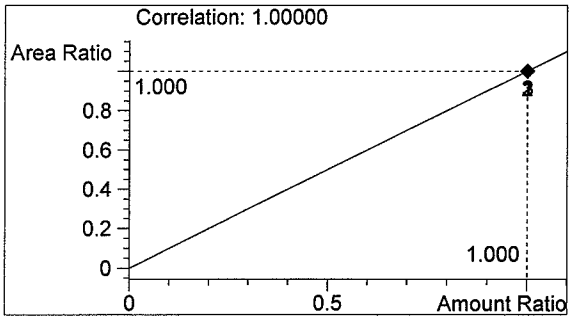
vial # 5



#	Compound	Area	RT
1	Ethanol	1946	1.004
2	n-Propanol	1992	1.654
Totals:			



Ethanol 0.188 g/100ml



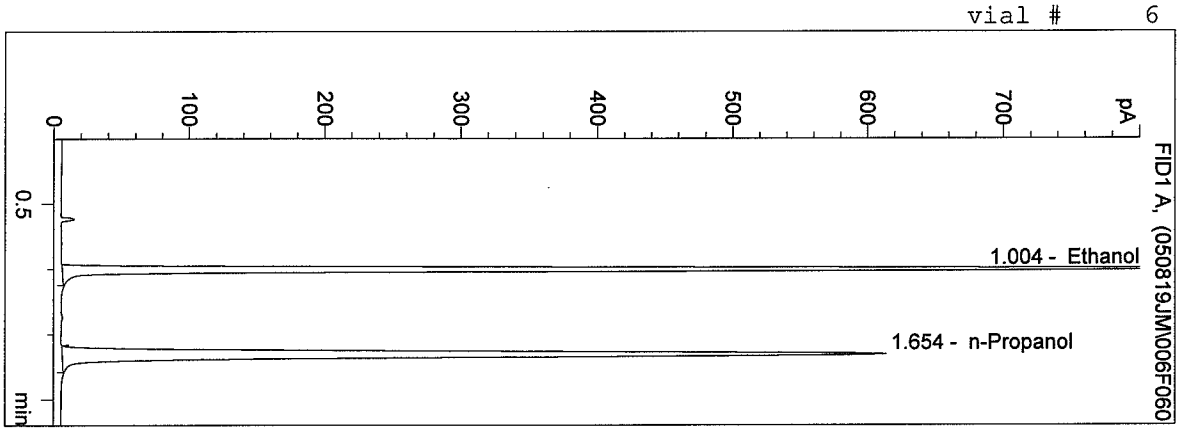
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
8/19/2005 4:09:22 PM
Instrument 4
DB-ALC1

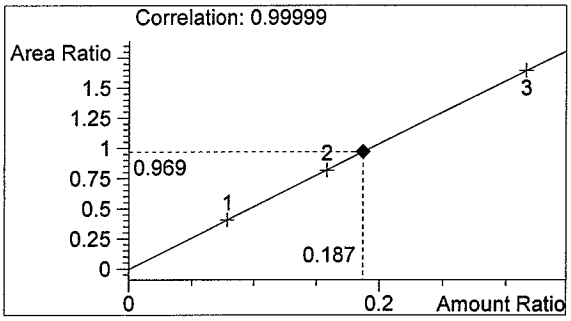
Q.A.05030-EM-4
Estuardo J. Miranda

vial # 6

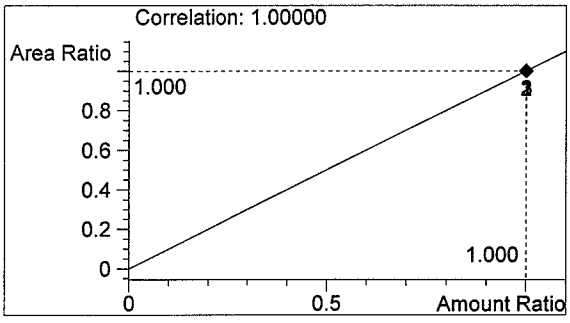


#	Compound	Area	RT
1	Ethanol	1852	1.004
2	n-Propanol	1911	1.654

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 4
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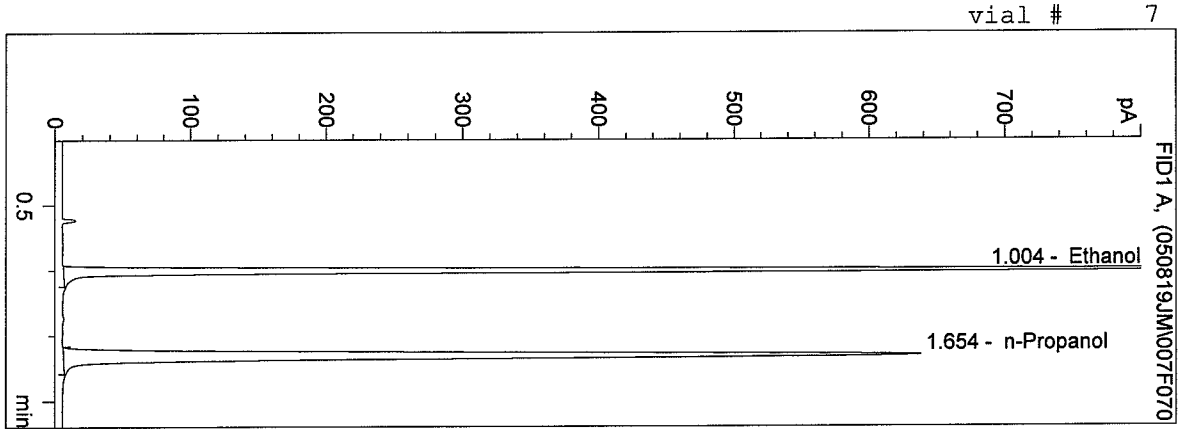
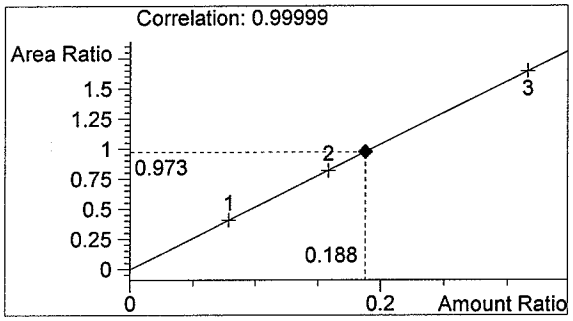
Q.A.05030-EM-5
Estuardo J. Miranda

vial # 7

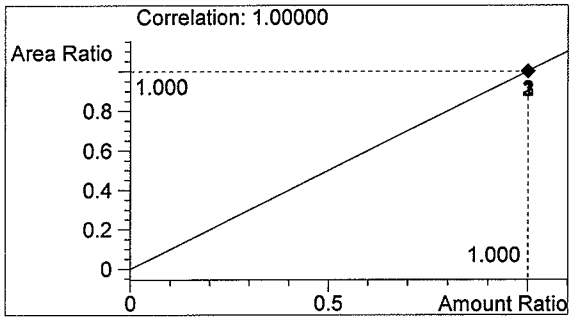


#	Compound	Area	RT
1	Ethanol	1933	1.004
2	n-Propanol	1987	1.654

Totals:



Ethanol 0.188 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 4
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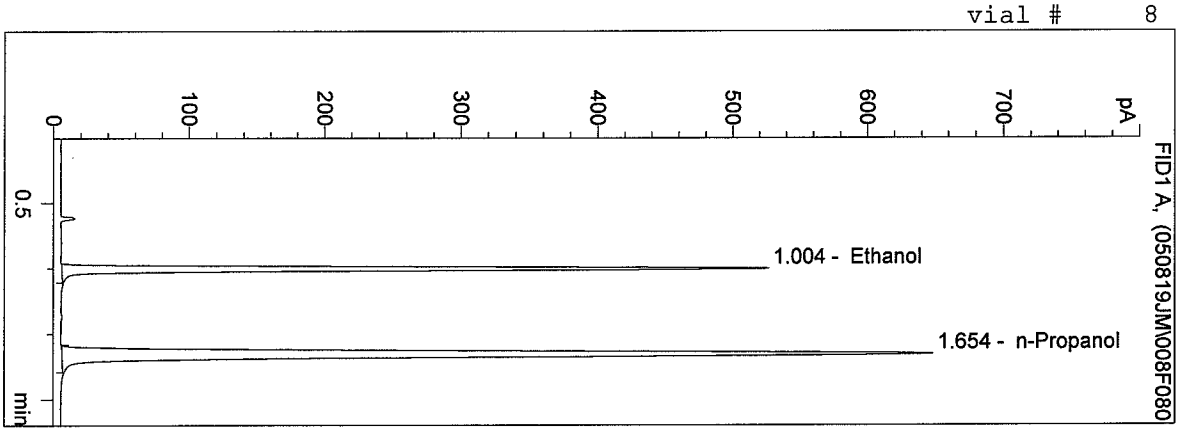
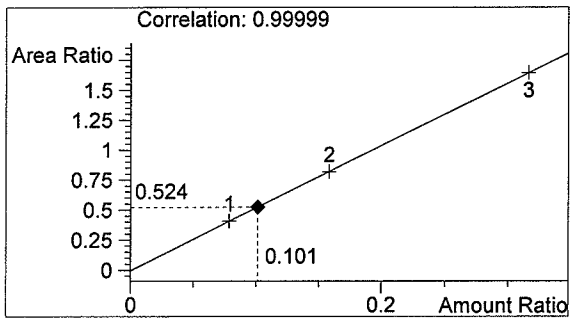
0.100 Control EM
Estuardo J. Miranda

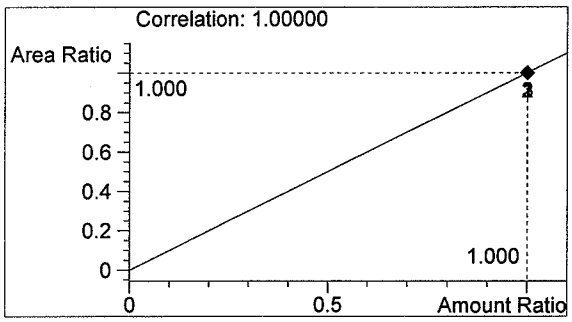
vial # 8



#	Compound	Area	RT
1	Ethanol	1059	1.004
2	n-Propanol	2020	1.654
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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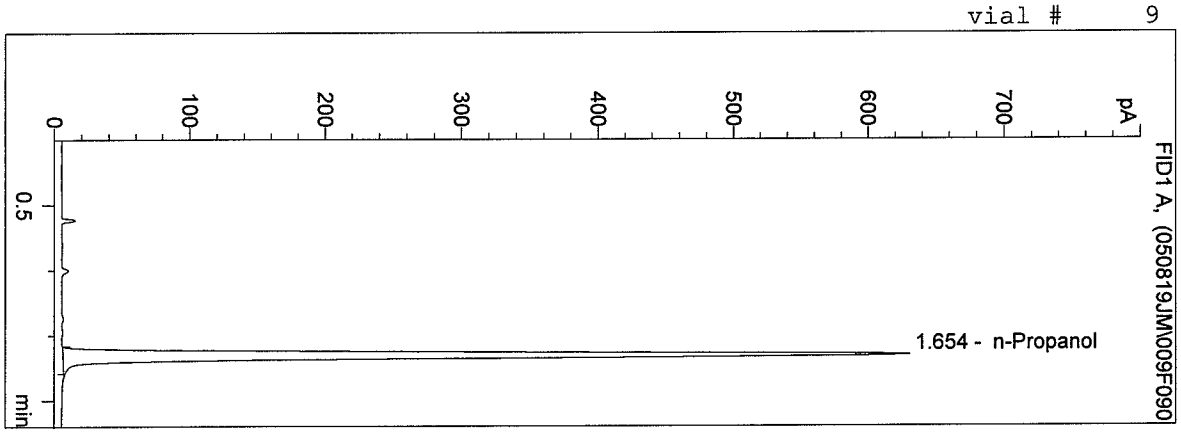
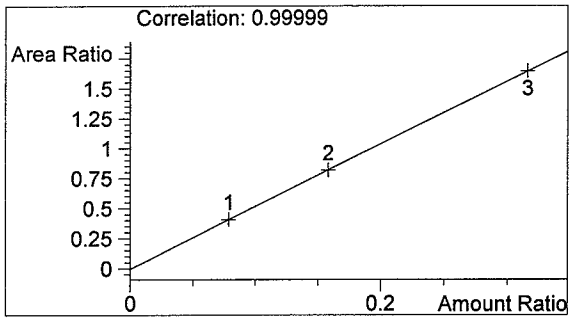
Instrument 4
DB-ALC1

Blank
Estuardo J. Miranda

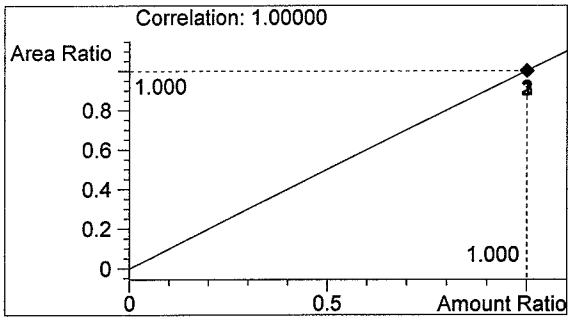
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1965	1.654
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 4
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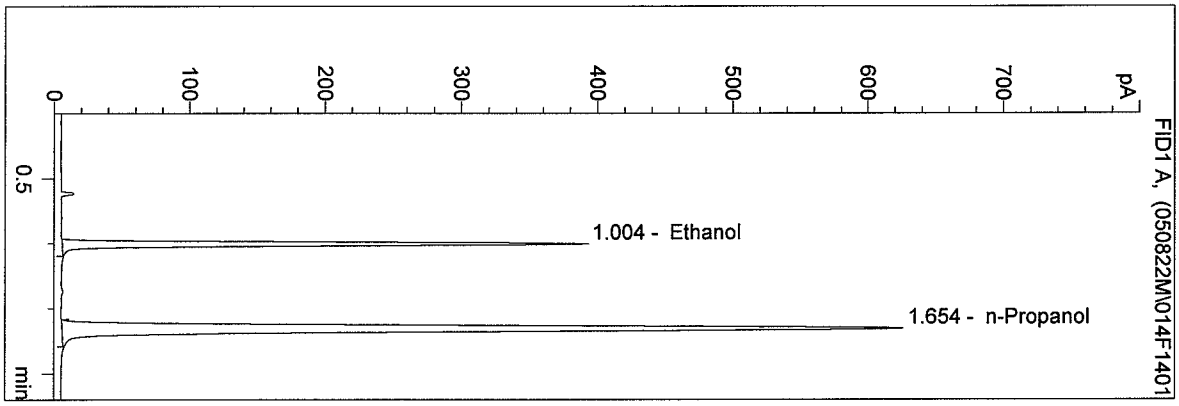
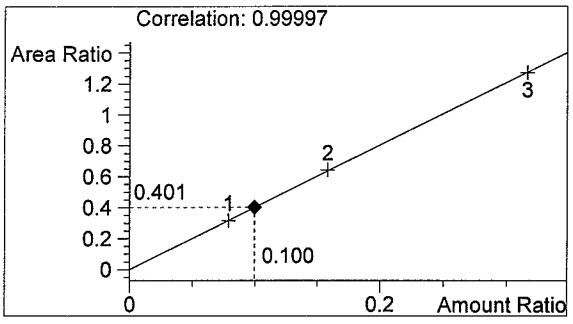
0.10ctlmw
mary wilson

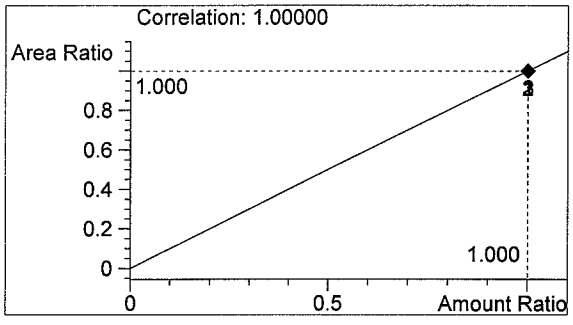
vial # 14



#	Compound	Area	RT
1	Ethanol	784	1.004
2	n-Propanol	1953	1.654
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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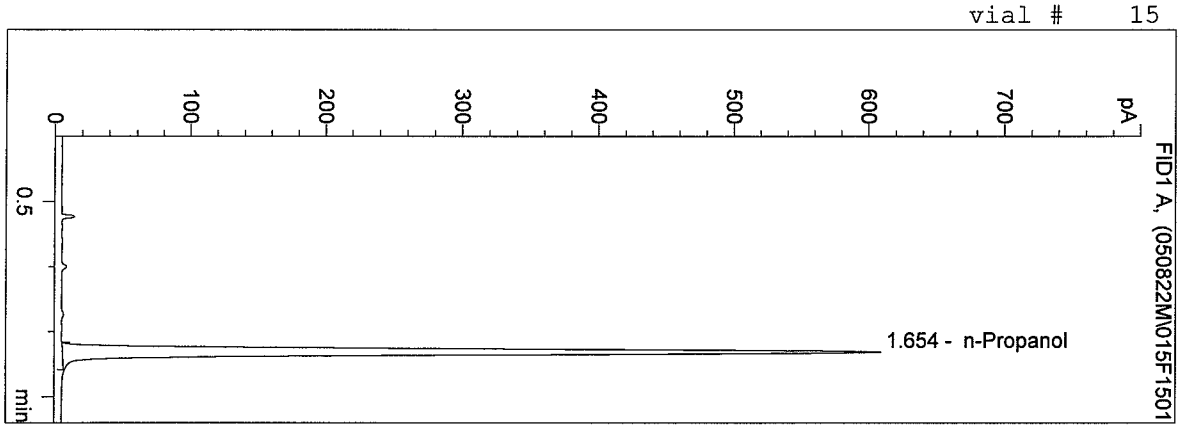
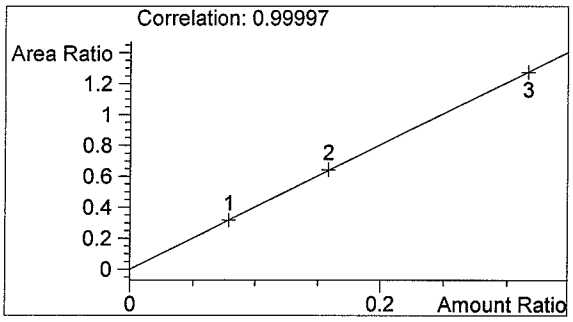
Instrument 4 mary wilson
DB-ALC1

vial # 15

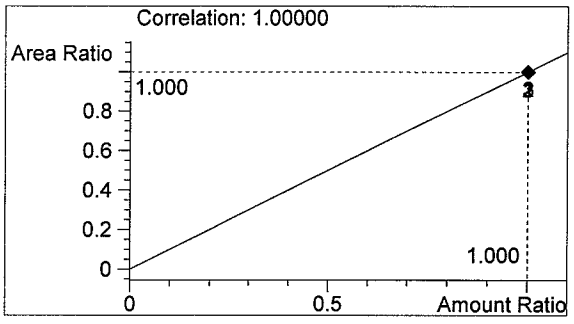


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1899	1.654

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 4
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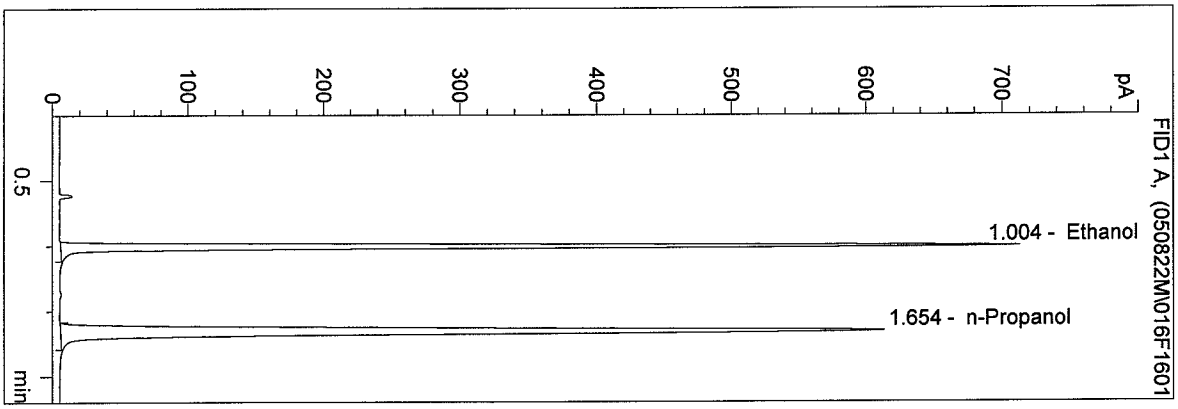
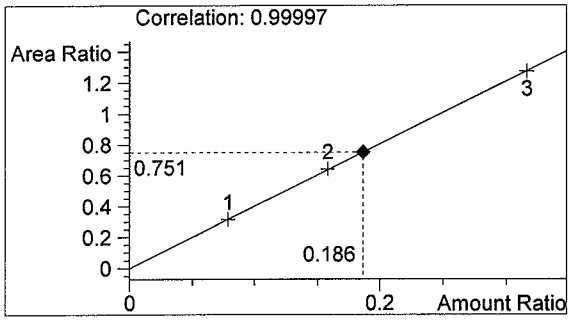
05030qa
mary wilson

vial # 16

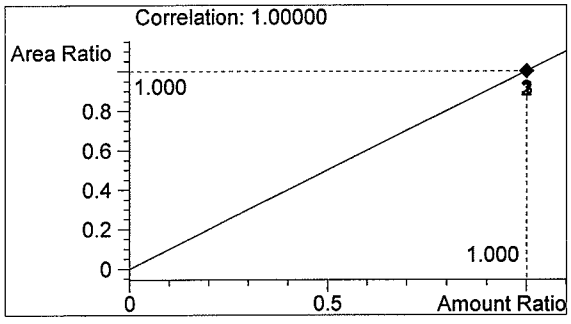


#	Compound	Area	RT
1	Ethanol	1435	1.004
2	n-Propanol	1910	1.654

Totals:



Ethanol 0.186 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 4
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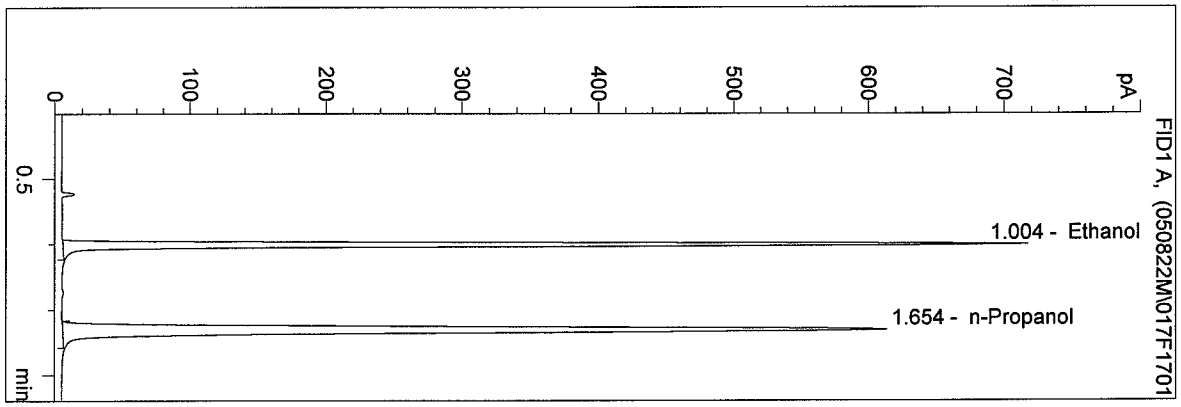
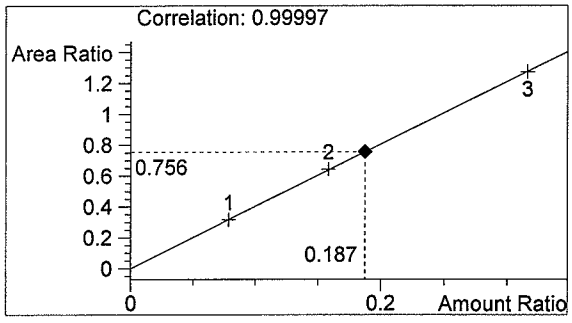
mary wilson

vial # 17

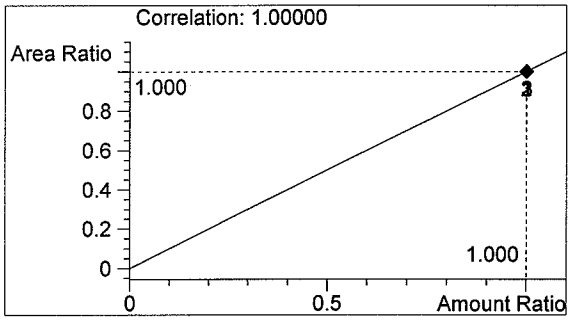


#	Compound	Area	RT
1	Ethanol	1446	1.004
2	n-Propanol	1913	1.654

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

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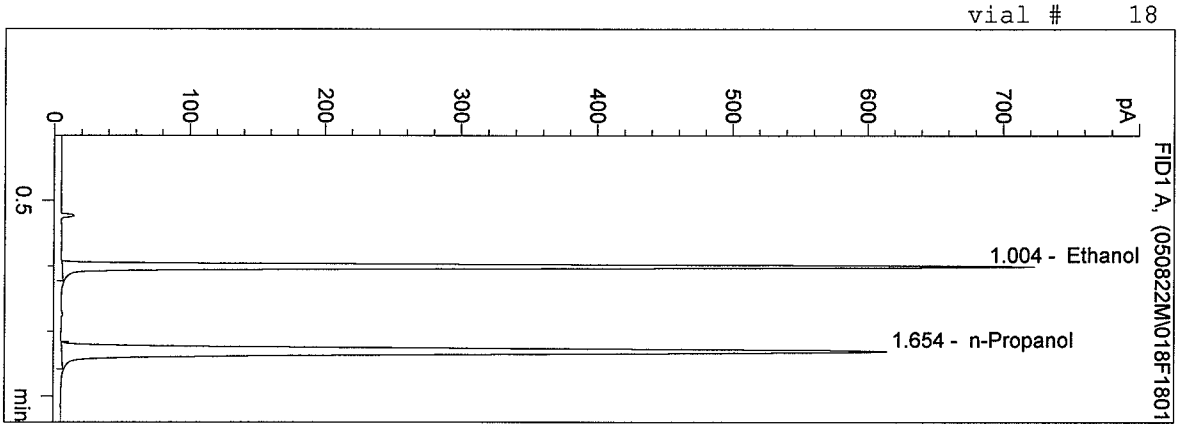
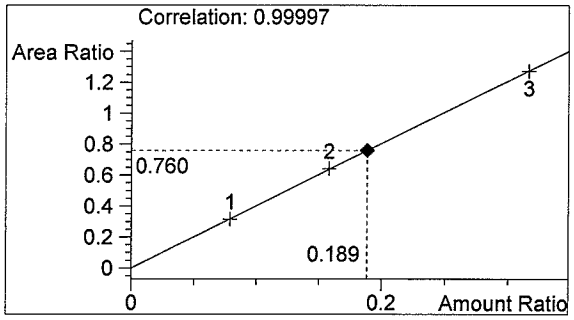
Instrument 4 mary wilson
DB-ALC1

vial # 18

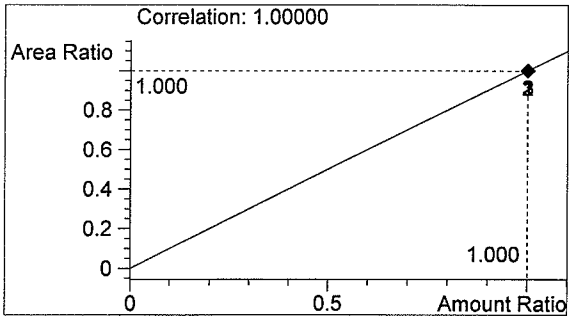


#	Compound	Area	RT
1	Ethanol	1456	1.004
2	n-Propanol	1916	1.654

Totals:



Ethanol 0.189 g/100ml



n-Propanol 1.000 g/100ml

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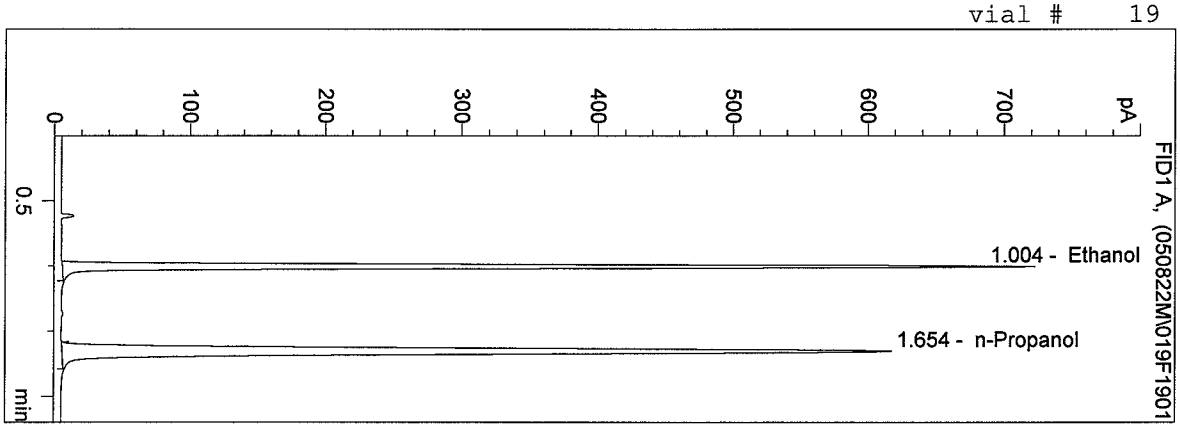
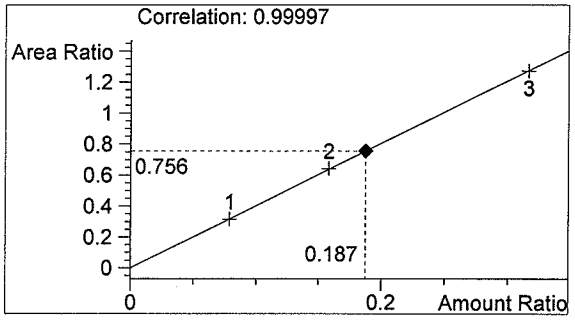
Instrument 4 mary wilson
DB-ALC1

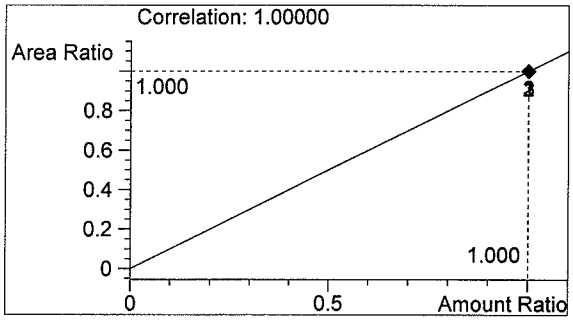
vial # 19



#	Compound	Area	RT
1	Ethanol	1456	1.004
2	n-Propanol	1926	1.654
Totals:			



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

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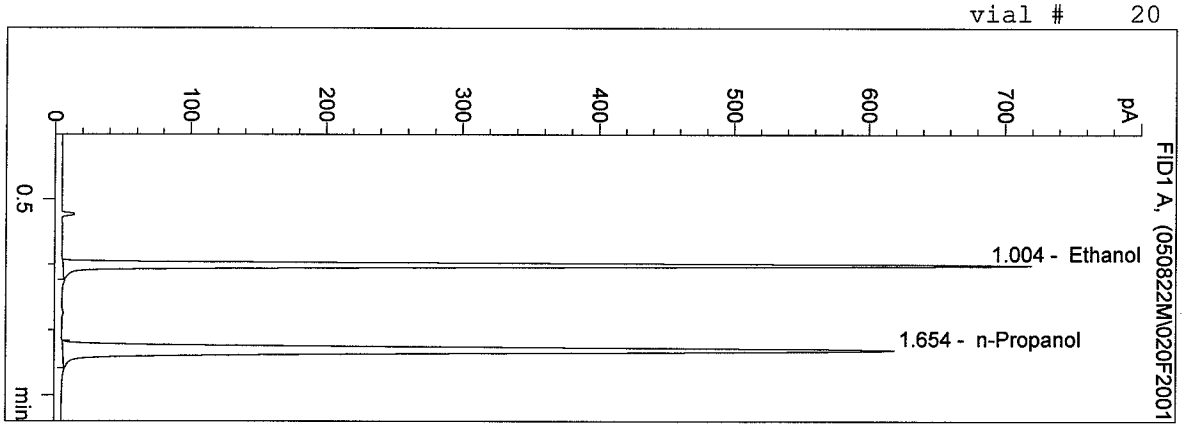
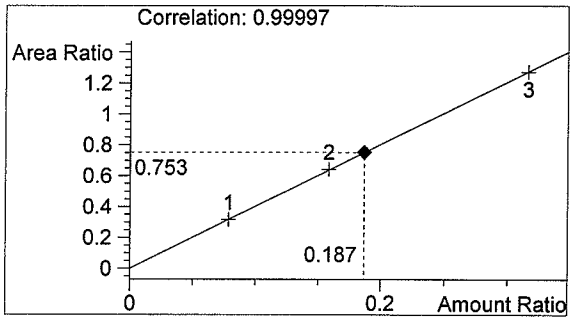
Instrument 4
DB-ALC1

05030qa
mary wilson

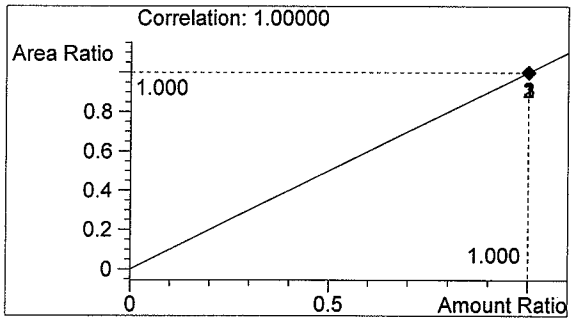
vial # 20



#	Compound	Area	RT
1	Ethanol	1452	1.004
2	n-Propanol	1929	1.654
Totals:			



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml