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.

10/9/2007

Tpr. Ken Denton Date

10-9-07

Rod G. Gullberg Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / ROB GULLBERG Date 10-1-07

Location TOX LAB SEATTLE Batch Number 06047

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: R. G. Gullberg Date: 10-1-07

Reviewer Signature: K. L. D. Date: 10/1/2007

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 **06047** Date: 11/14/2006

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	0.186	0.186	0.186													
2	0.188	0.187	0.185													
3	0.188	0.187	0.185													
4	0.188	0.187	0.186													
5	0.187	0.187	0.187													
Ctrl	0.101	0.100	0.101													

External Control:
Lot #: A041837 Exp date: 04/2010
Target concentration: 0.10 g/100mL

Statistics:
Avg. solution concent.: 0.1867 g/100 mL
SD: 0.00098
Range (3xSD): 0.1838 to 0.1896
Precision CV (%): 0.5227 %

Equivalent vapor concent.: 0.1518 g/210L

Analyst	Name	Signature	Date
1	Paige Long		11/14/2006
2	Naziha Nuwayhid, PhD		11/15/2006
3	Edward Formoso		11/15/2006
4			
5			
6			
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12			
13			
14			
15			
16			

Prepared by: Paige Long 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, Naziha Nuwayhid, do certify under penalty of perjury that:

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 and Masters degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and six years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The quality assurance solution, Lot Number 06047, was prepared in the Washington State Toxicology Laboratory on 11/14/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.15 grams per 100ml.

Dated: 11/20/2006
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/km
NNQA

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.

10/18/07

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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, E. Paige Long, do certify under penalty of perjury that:

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 MS degree in Forensic Science.

The quality assurance solution, Lot Number 06047, was prepared in the Washington State Toxicology Laboratory on 11/14/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.15 grams per 100ml.

Dated: 11/20/2006
Seattle, WA

E. Paige Long
Forensic Toxicologist

EPL/km
PLQA

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, Edward J. Formoso, do certify under penalty of perjury that:

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 Chemistry and twenty-nine years of experience in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 06047, was prepared in the Washington State Toxicology Laboratory on 11/14/2006. I examined and tested this solution. The mean concentration of the alcohol was 0.15 grams per 100ml.

Dated: 11/20/2006
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

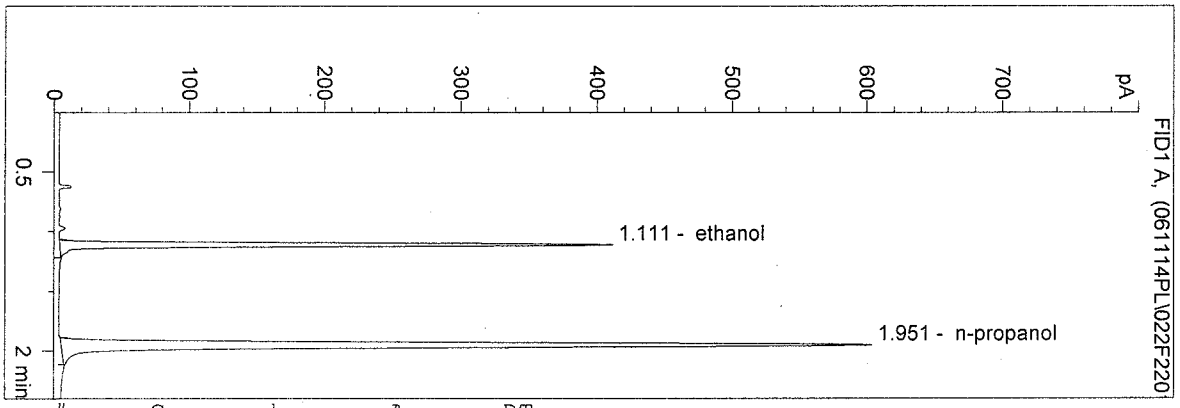
EJF/km
EFQA

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/14/2006 3:16:50 PM
Instrument 5
DB-ALC2

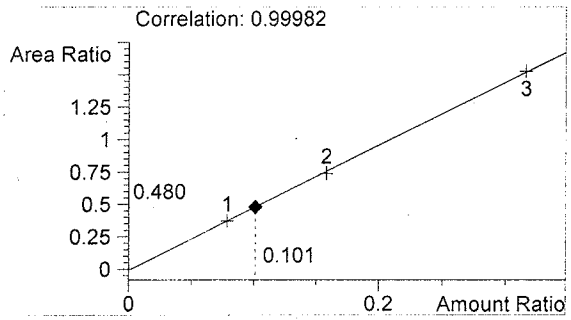
0.10ctl
p long

vial # 22

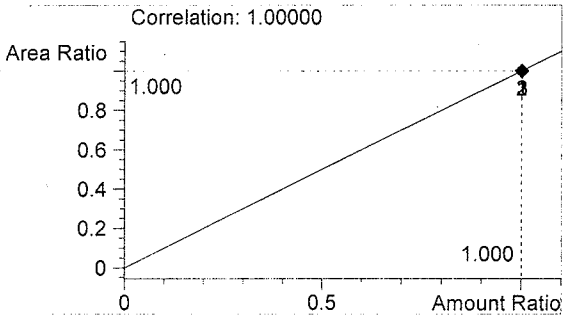


#	Compound	Area	RT
1	ethanol	849	1.111
2	n-propanol	1770	1.951

Totals:



ethanol 0.101 g/100ml

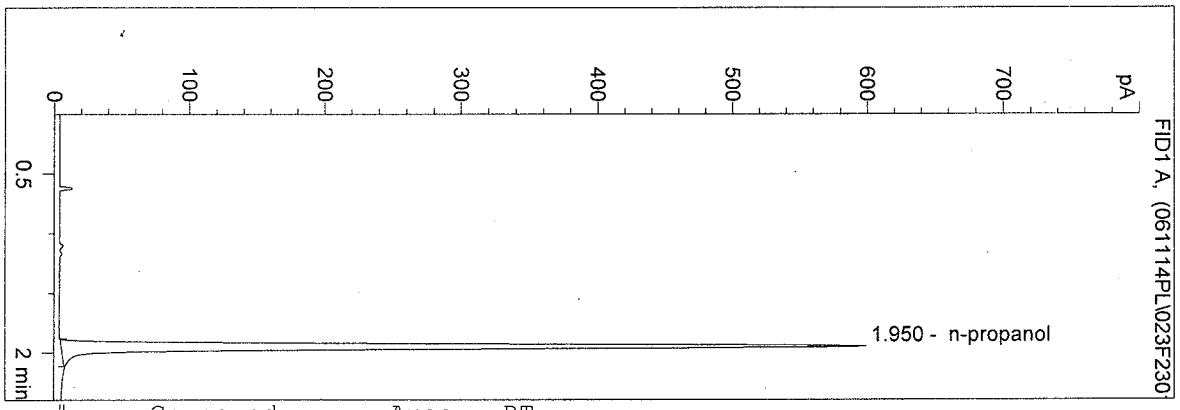


n-propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

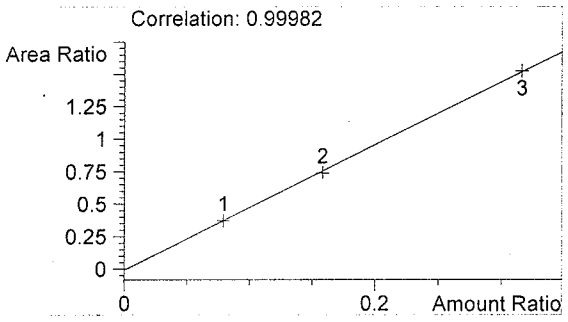
D:\HPCHEM\1\METHODS\BLDALCO2.M
11/14/2006 3:20:16 PM blank
Instrument 5 p long
DB-ALC2

vial # 23

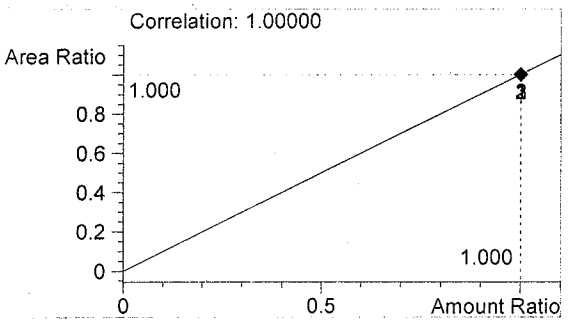


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1756	1.950

Totals:



ethanol 0.000 g/100ml



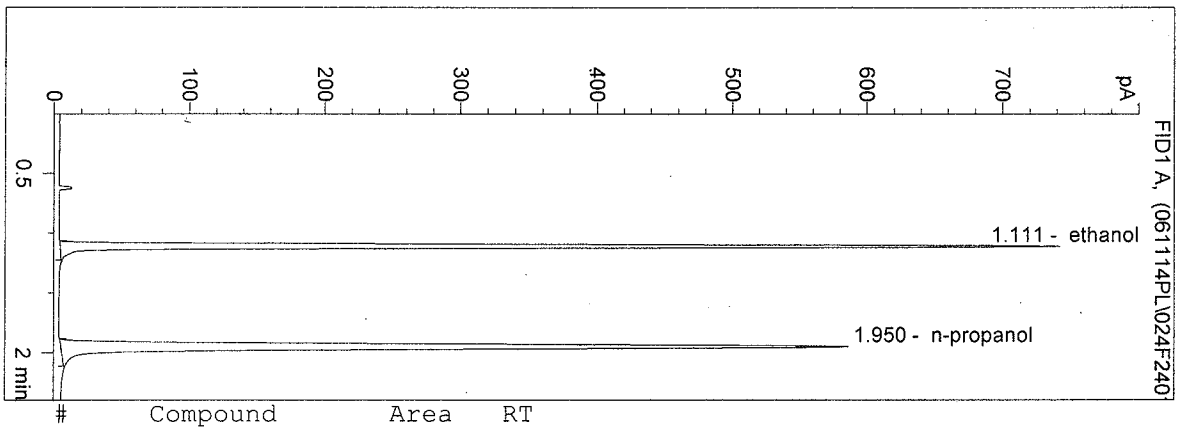
n-propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/14/2006 3:23:52 PM
Instrument 5
DB-ALC2

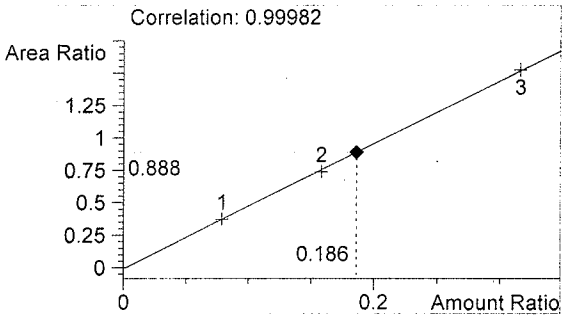
QA06047-1
p long

vial # 24

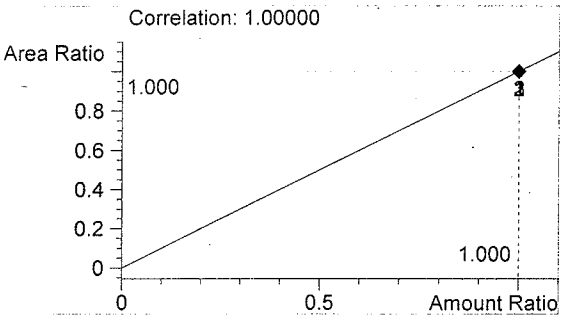


#	Compound	Area	RT
1	ethanol	1526	1.111
2	n-propanol	1718	1.950

Totals:



ethanol 0.186 g/100ml



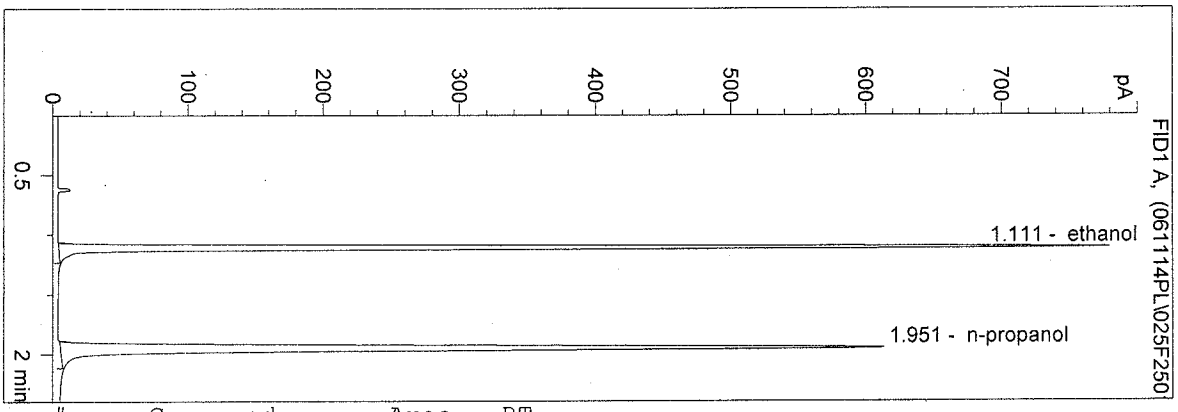
n-propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/14/2006 3:28:49 PM
Instrument 5
DB-ALC2

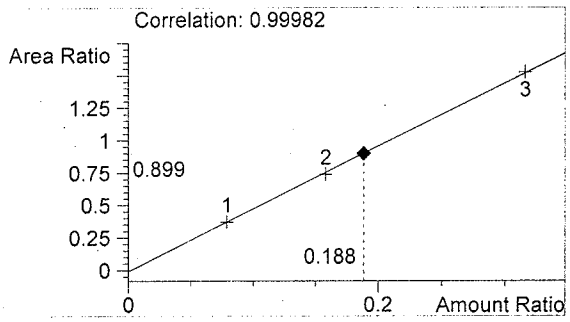
QA06047-2
p long

vial # 25

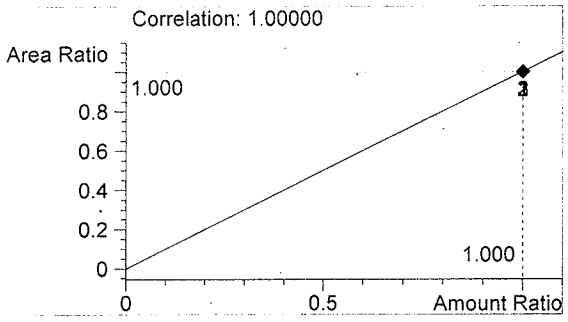


#	Compound	Area	RT
1	ethanol	1616	1.111
2	n-propanol	1796	1.951

Totals:



ethanol 0.188 g/100ml



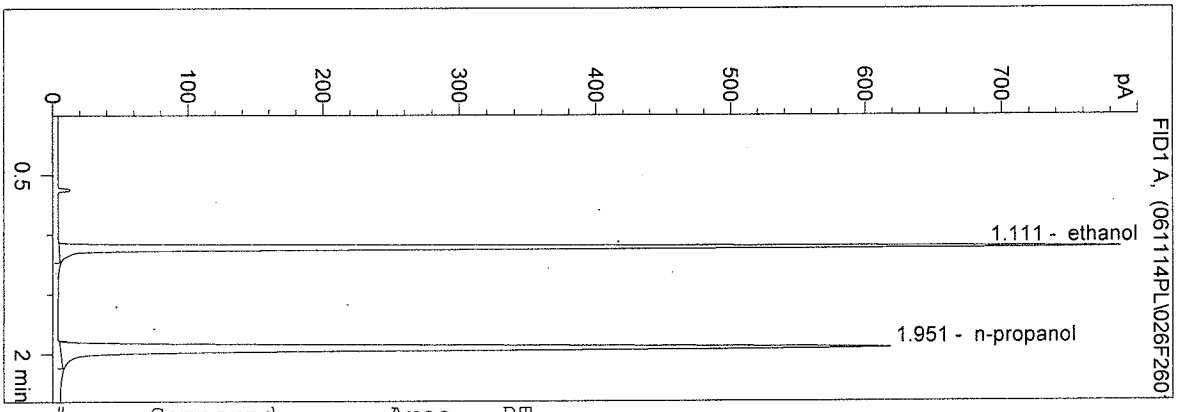
n-propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/14/2006 3:32:22 PM
Instrument 5
DB-ALC2

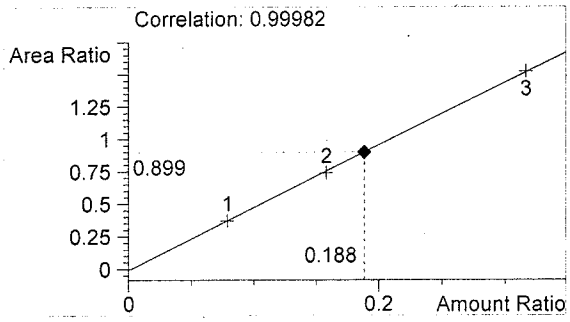
QA06047-3
p long

vial # 26

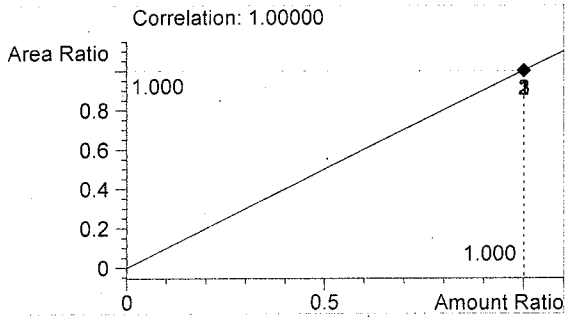


#	Compound	Area	RT
1	ethanol	1633	1.111
2	n-propanol	1816	1.951

Totals:



ethanol 0.188 g/100ml



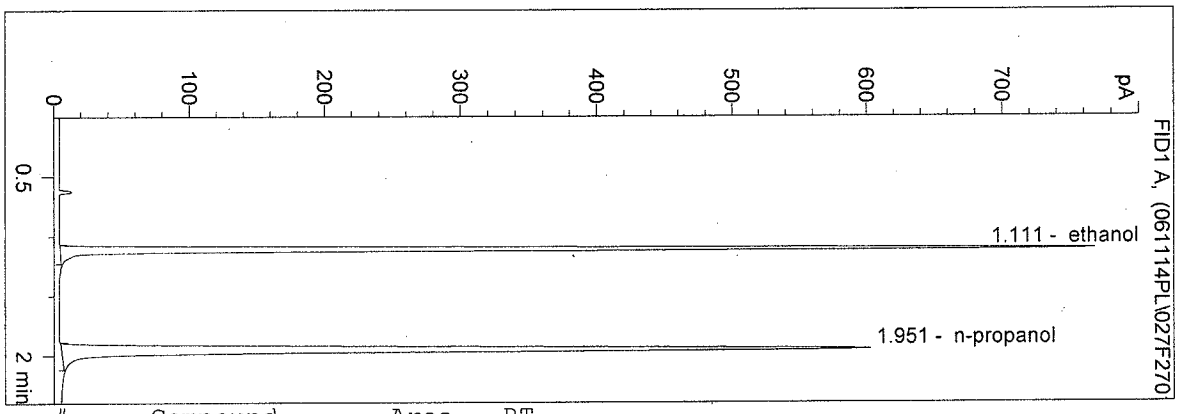
n-propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/14/2006 3:35:50 PM
Instrument 5
DB-ALC2

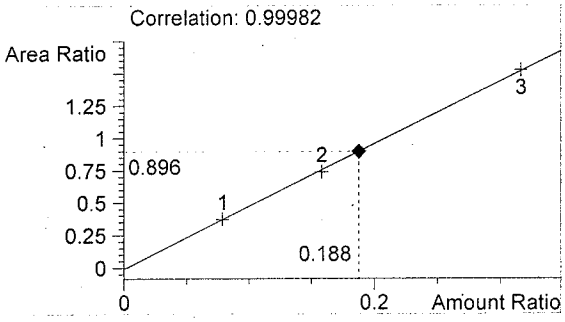
QA06047-4
p long

vial # 27

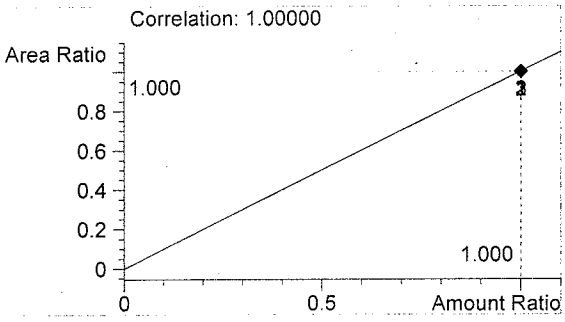


#	Compound	Area	RT
1	ethanol	1590	1.111
2	n-propanol	1773	1.951

Totals:



ethanol 0.188 g/100ml



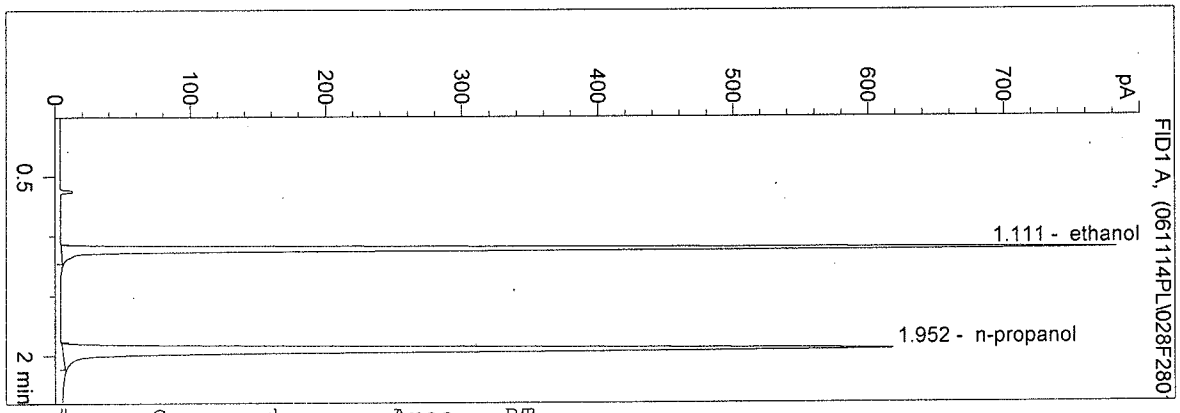
n-propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/14/2006 3:40:50 PM
Instrument 5
DB-ALC2

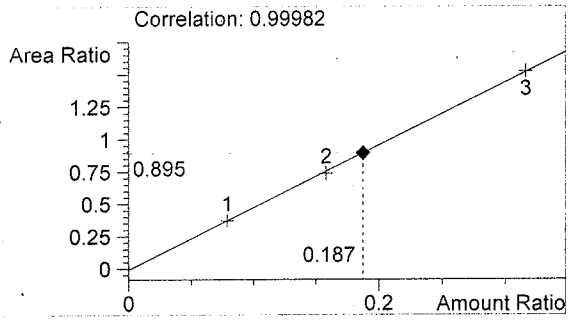
QA06047-5
p long

vial # 28

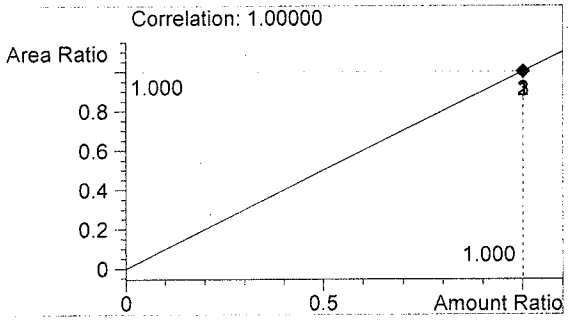


#	Compound	Area	RT
1	ethanol	1621	1.111
2	n-propanol	1811	1.952

Totals:



ethanol 0.187 g/100ml



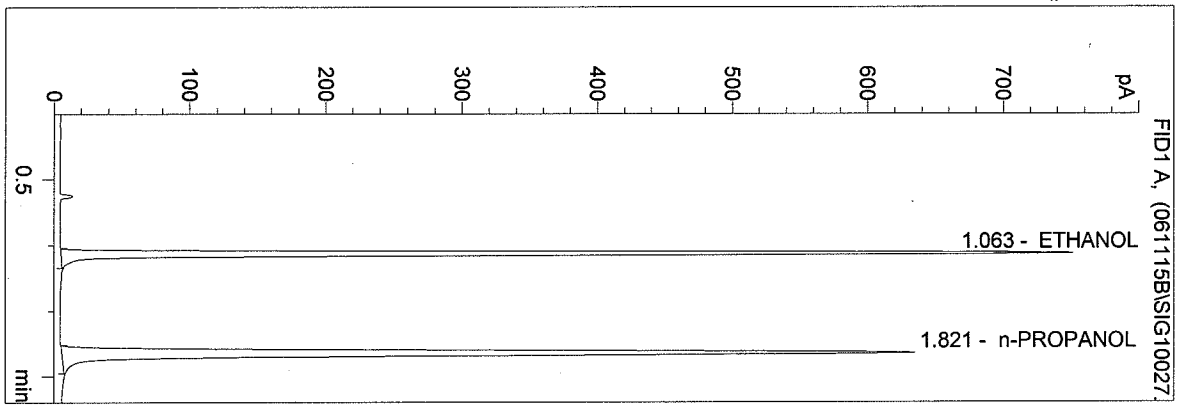
n-propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/15/2006 2:17:55 PM
Instrument 3
db-alc2

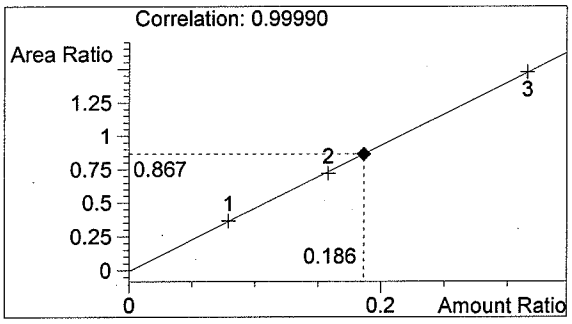
06047 QA-1
N Nuwayhid, PhD

vial # 27

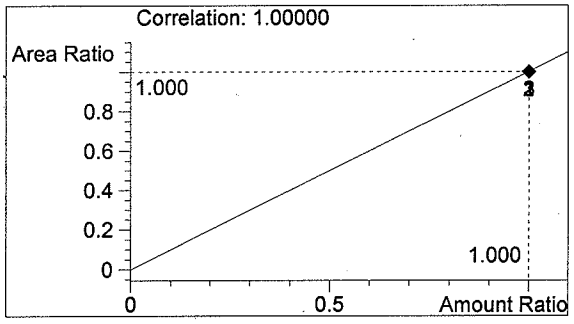


#	Compound	Area	RT
1	ETHANOL	1531	1.063
2	n-PROPANOL	1765	1.821

Totals:



ETHANOL 0.186 g/100ml



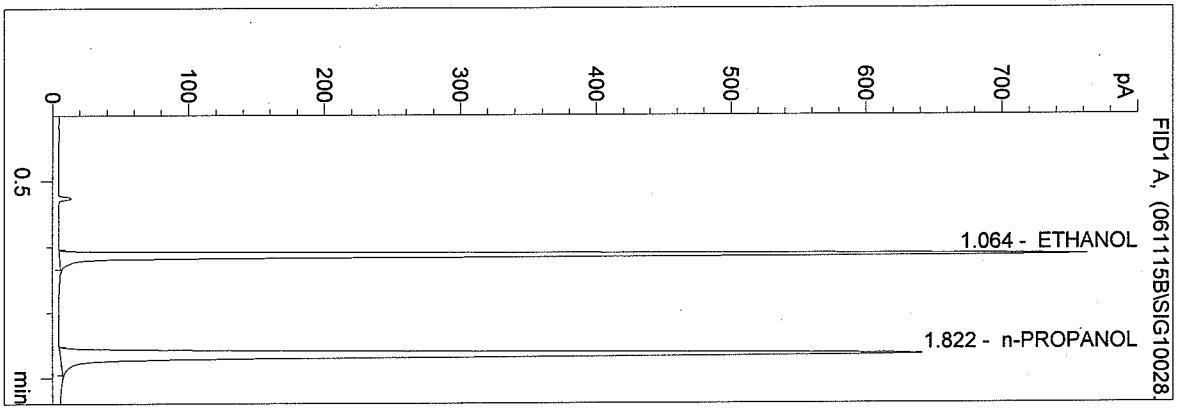
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/15/2006 2:21:02 PM
Instrument 3
db-alc2

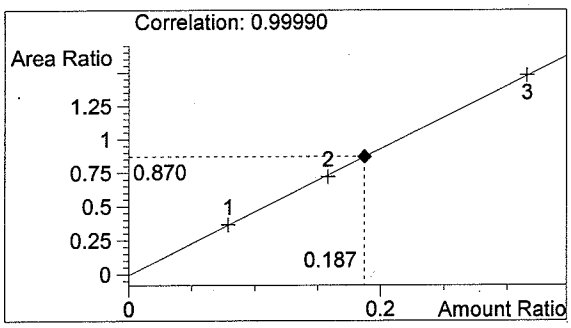
06047 QA-2
N Nuwayhid, PhD

vial # 28

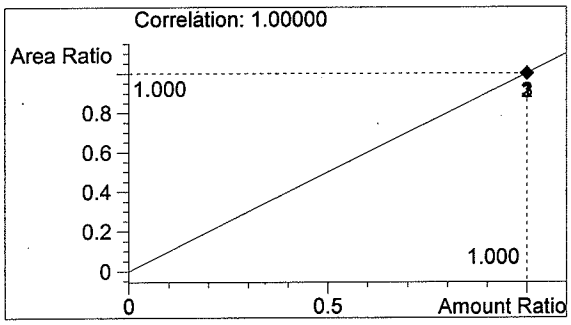


#	Compound	Area	RT
1	ETHANOL	1552	1.064
2	n-PROPANOL	1783	1.822

Totals:



ETHANOL 0.187 g/100ml



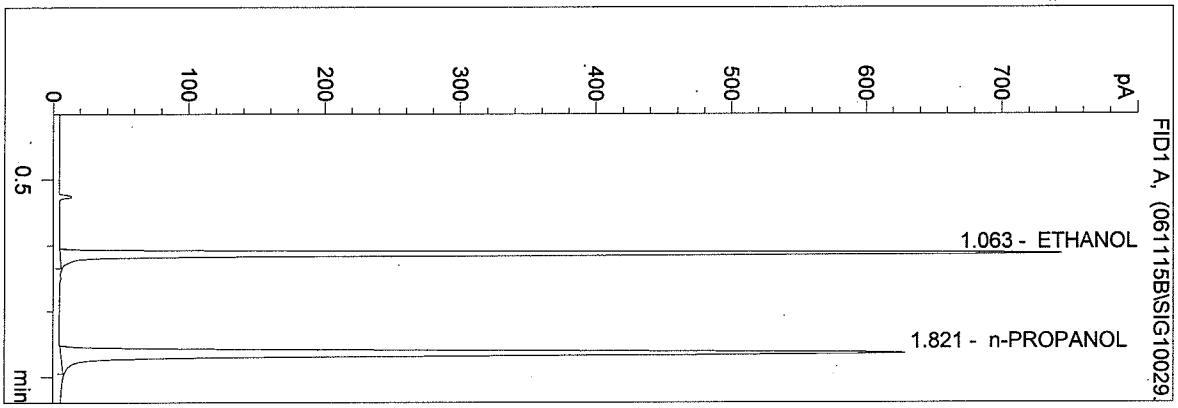
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/15/2006 2:24:10 PM
Instrument 3
db-alc2

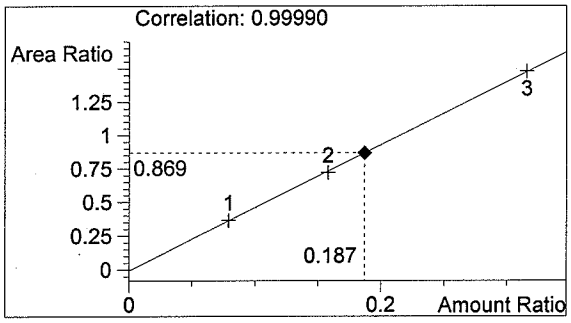
06047 QA-3
N Nuwayhid, PhD

vial # 29

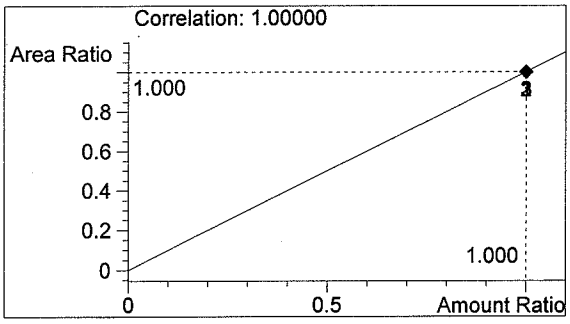


#	Compound	Area	RT
1	ETHANOL	1517	1.063
2	n-PROPANOL	1746	1.821

Totals:



ETHANOL 0.187 g/100ml



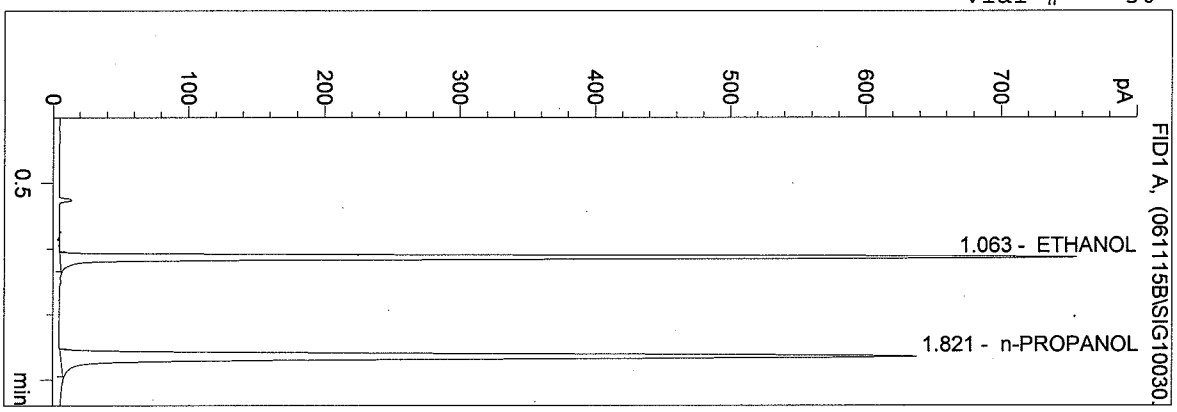
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/15/2006 2:27:17 PM
Instrument 3
db-alc2

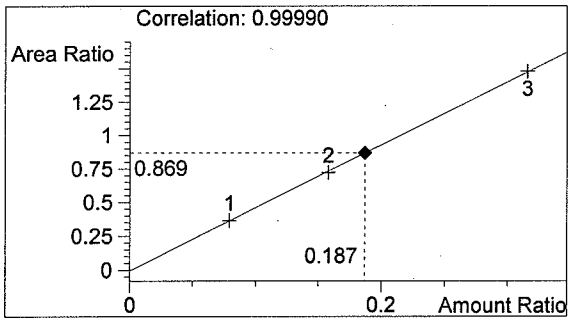
06047 QA-4
N Nuwayhid, PhD

vial # 30

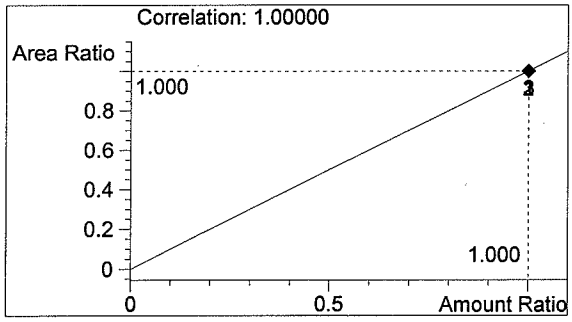


#	Compound	Area	RT
1	ETHANOL	1539	1.063
2	n-PROPANOL	1771	1.821

Totals:



ETHANOL 0.187 g/100ml



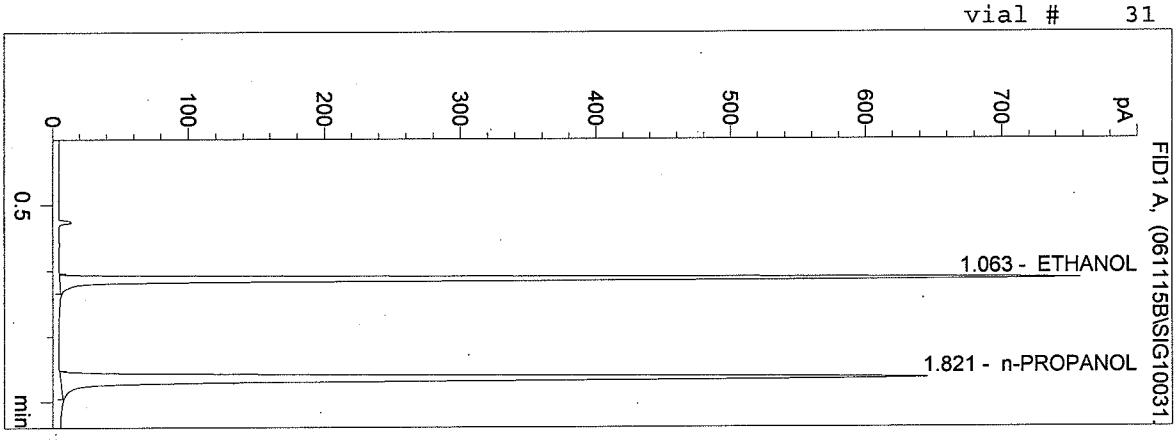
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/15/2006 2:30:24 PM
Instrument 3
db-alc2

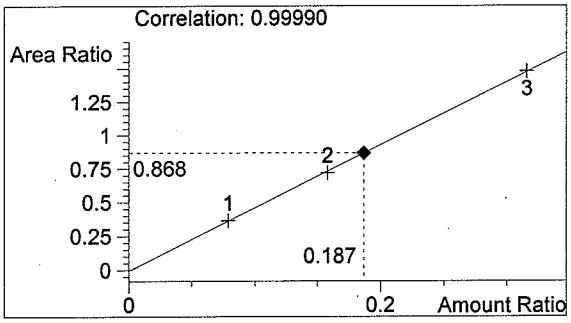
06047 QA-5
N Nuwayhid, PhD

vial # 31

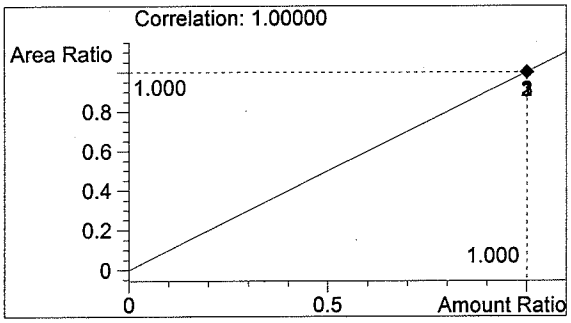


#	Compound	Area	RT
1	ETHANOL	1560	1.063
2	n-PROPANOL	1797	1.821

Totals:



ETHANOL 0.187 g/100ml



n-PROPANOL 1.000 g/100ml

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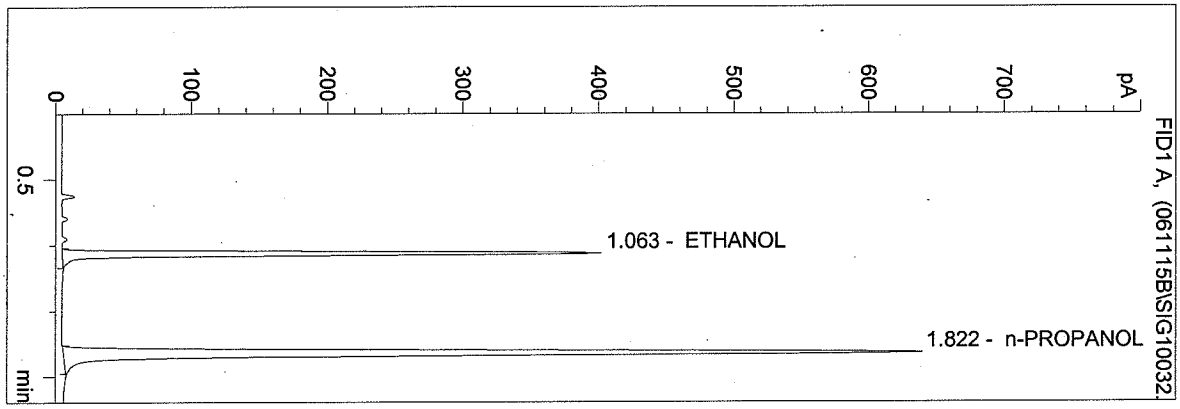
11/15/2006 2:33:31 PM
Instrument 3
db-alc2

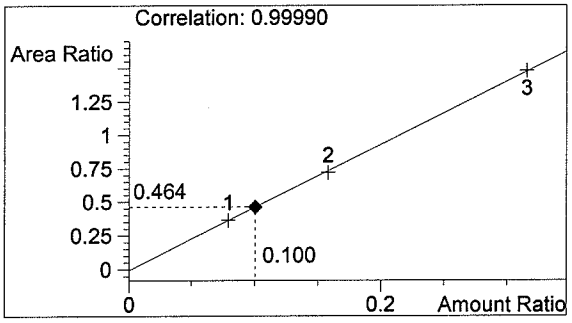
0.10 Ctrl-NN
N Nuwayhid, PhD

vial # 32

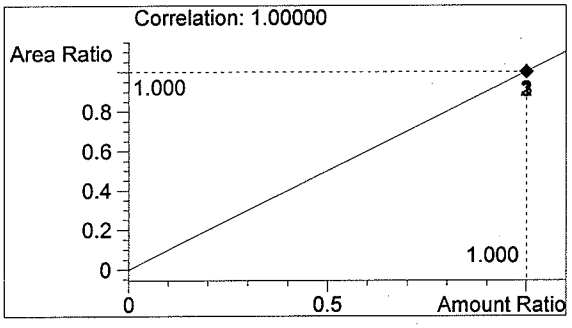


#	Compound	Area	RT
1	ETHANOL	825	1.063
2	n-PROPANOL	1780	1.822

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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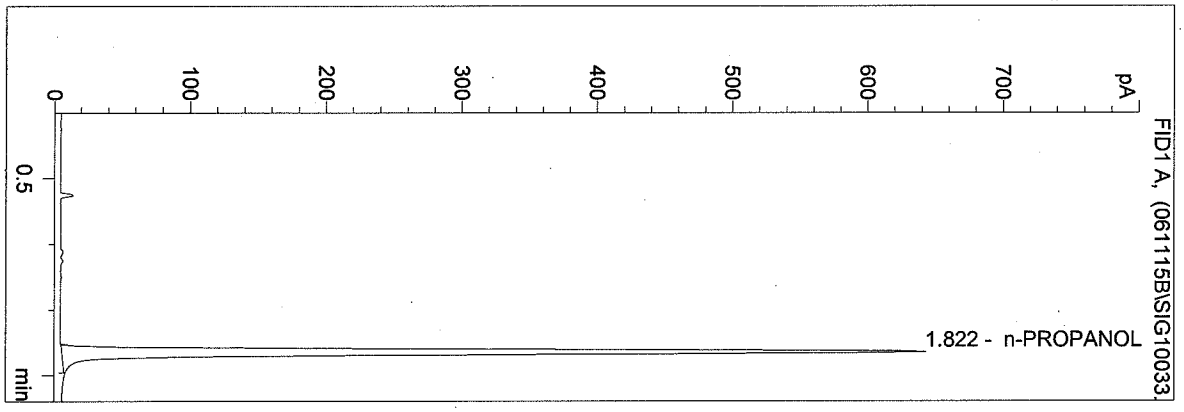
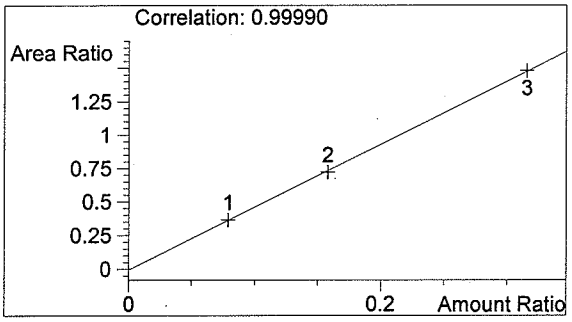
11/15/2006 2:36:38 PM
Instrument 3
db-alc2

Blank
N Nuwayhid, PhD

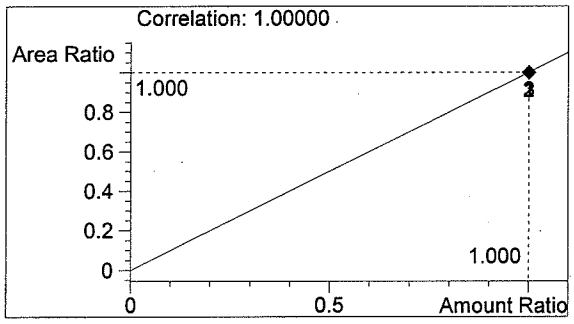
vial # 33



#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1791	1.822
Totals:			



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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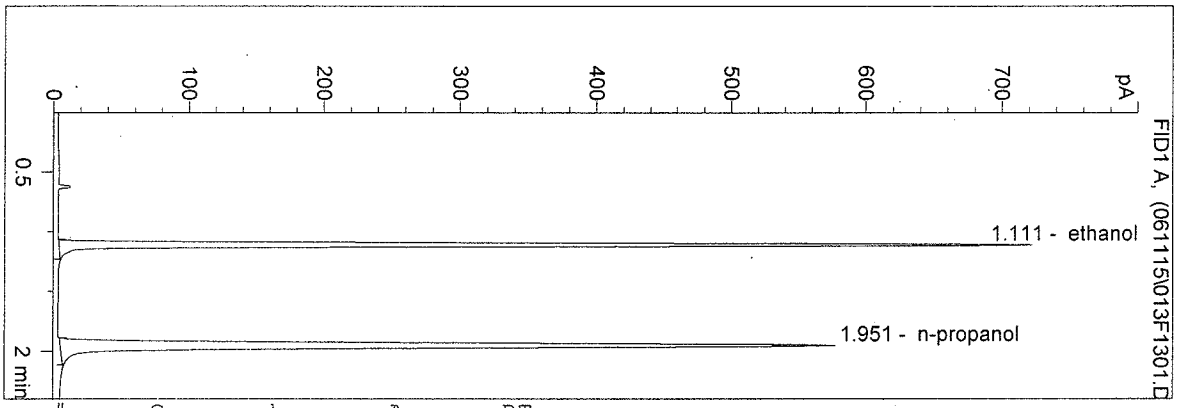
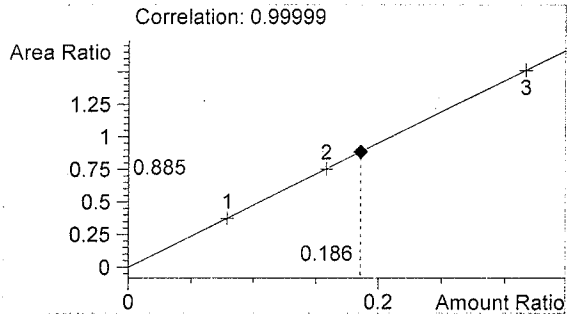
Instrument 5 ED FORMOSO
DB-ALC2

vial # 13

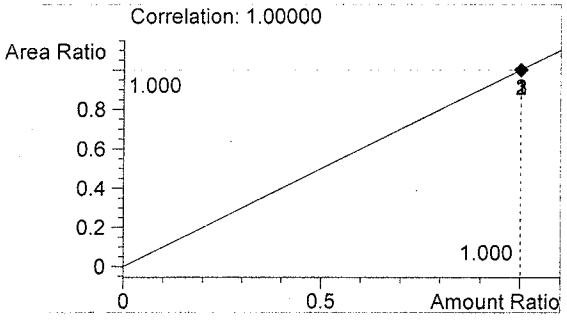


#	Compound	Area	RT
1	ethanol	1497	1.111
2	n-propanol	1690	1.951

Totals:



ethanol 0.186 g/100ml



n-propanol 1.000 g/100ml.

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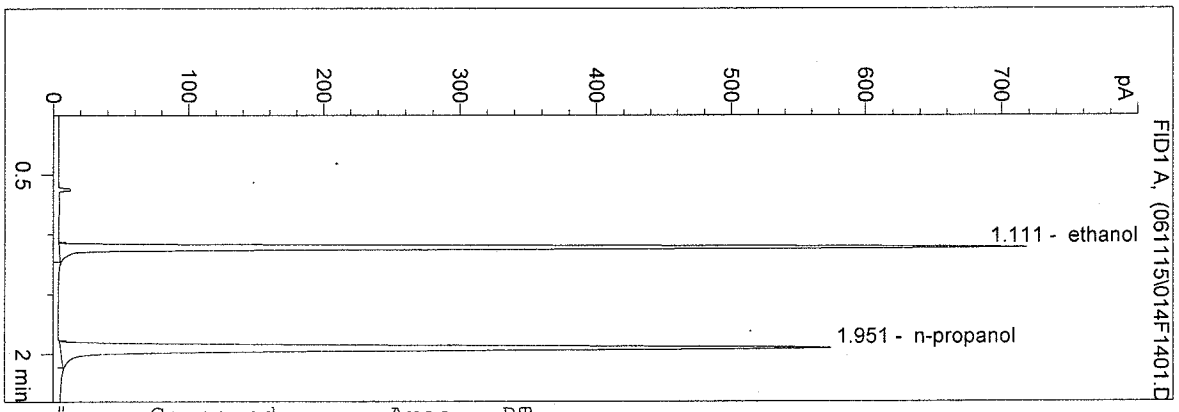
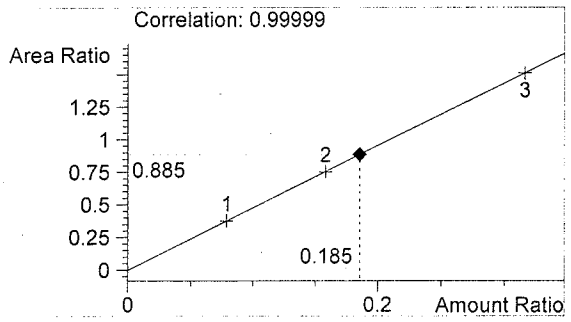
11/15/2006 5:12:23 PM 06047
Instrument 5 ED FORMOSO
DB-ALC2

vial # 14

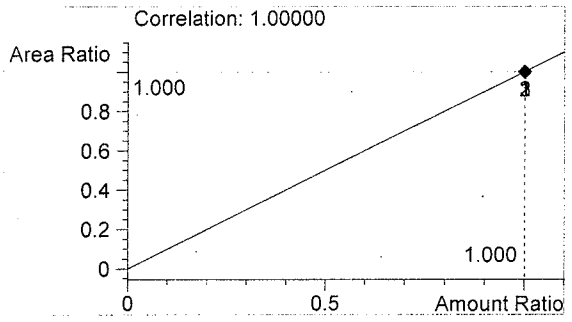


#	Compound	Area	RT
1	ethanol	1488	1.111
2	n-propanol	1682	1.951

Totals:



ethanol 0.185 g/100ml



n-propanol 1.000 g/100ml

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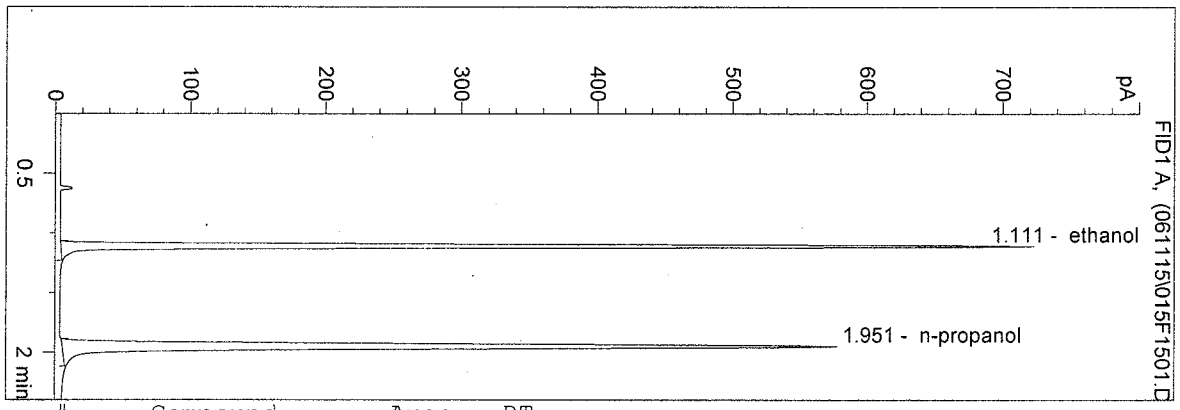
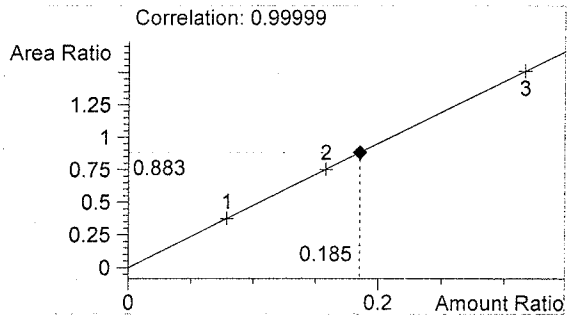
11/15/2006 5:16:00 PM 06047
Instrument 5 ED FORMOSO
DB-ALC2

vial # 15

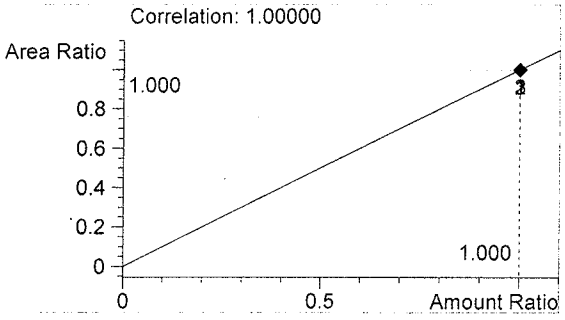


#	Compound	Area	RT
1	ethanol	1499	1.111
2	n-propanol	1698	1.951

Totals:



ethanol 0.185 g/100ml



n-propanol 1.000 g/100ml

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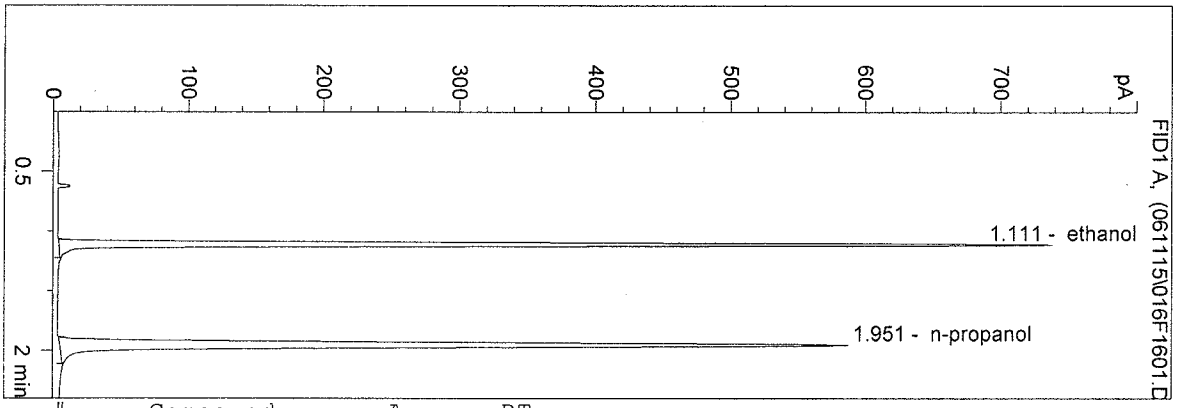
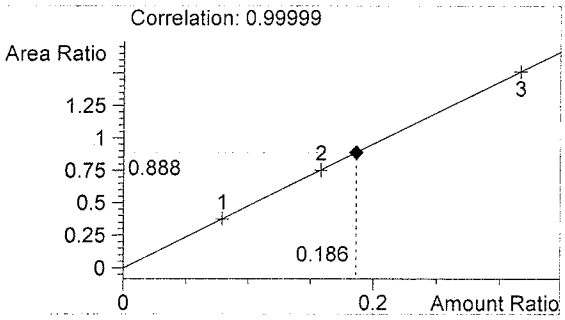
11/15/2006 5:21:04 PM 06047
Instrument 5 ED FORMOSO
DB-ALC2

vial # 16

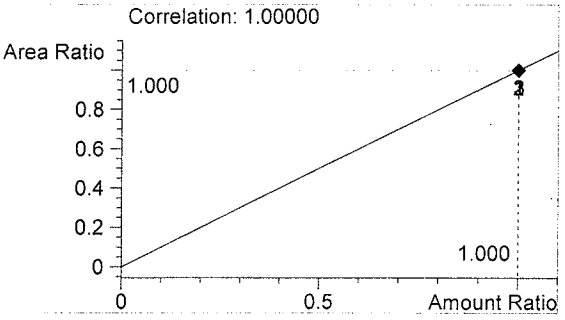


#	Compound	Area	RT
1	ethanol	1530	1.111
2	n-propanol	1723	1.951

Totals:



ethanol 0.186 g/100ml



n-propanol 1.000 g/100ml

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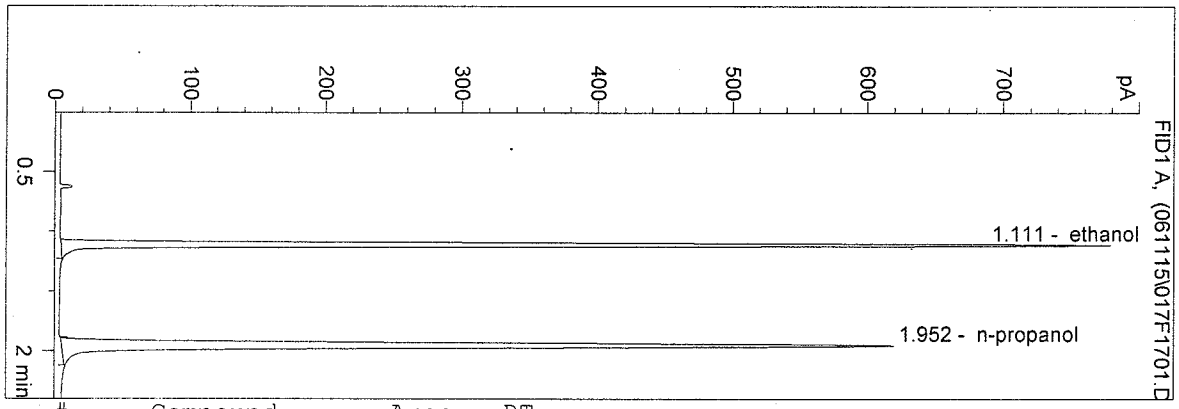
Instrument 5
DB-ALC2

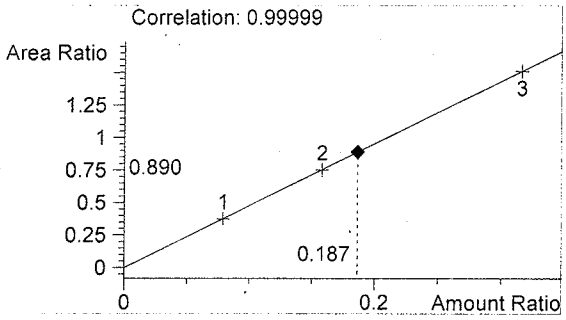
06047
ED FORMOSO

vial # 17

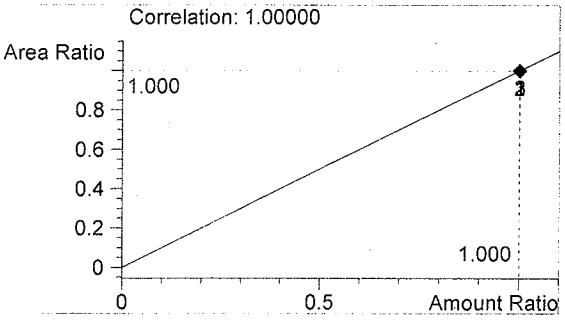


#	Compound	Area	RT
1	ethanol	1624	1.111
2	n-propanol	1825	1.952

Totals:



ethanol 0.187 g/100ml



n-propanol 1.000 g/100ml

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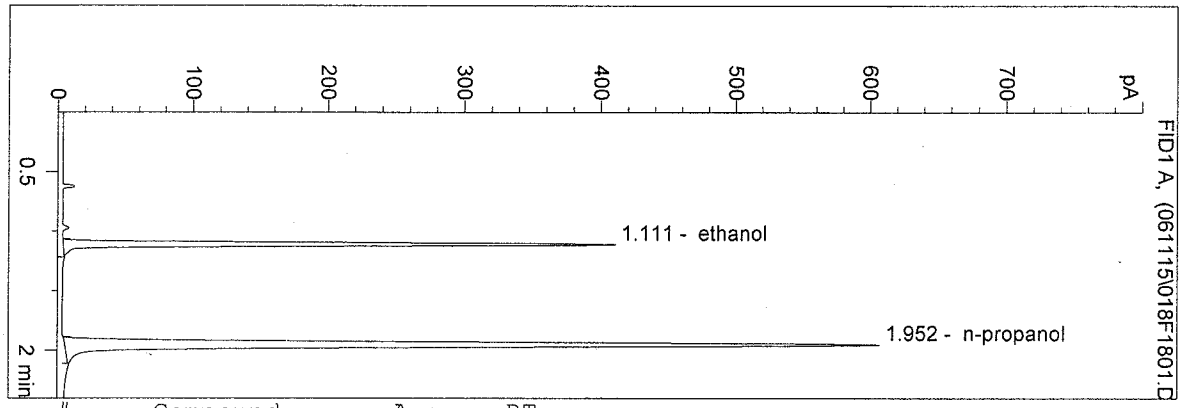
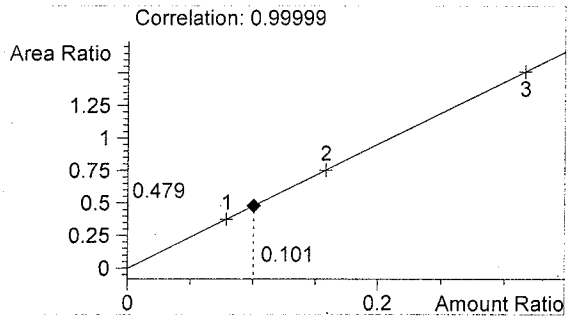
Instrument 5
DB-ALC2

0.10 CONTROL
ED FORMOSO

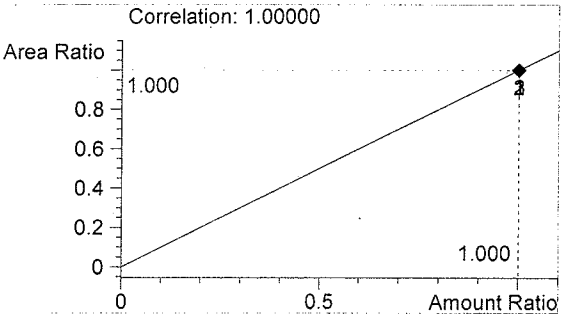
vial # 18



#	Compound	Area	RT
1	ethanol	853	1.111
2	n-propanol	1782	1.952
Totals:			



ethanol 0.101 g/100ml



n-propanol 1.000 g/100ml

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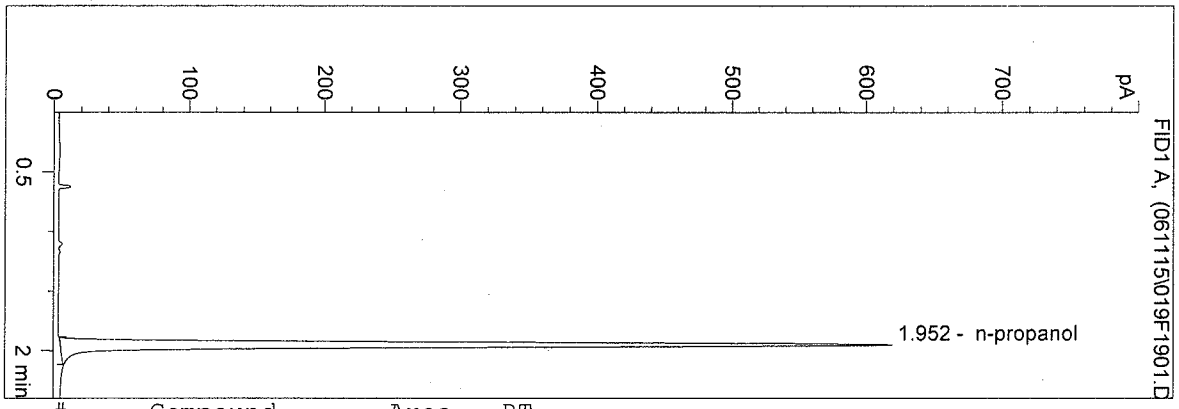
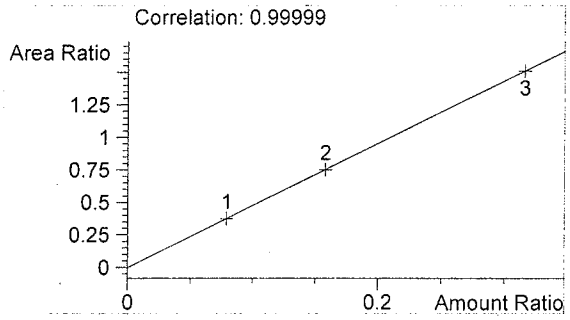
11/15/2006 5:33:01 PM
Instrument 5
DB-ALC2

BLANK
ED FORMOSO

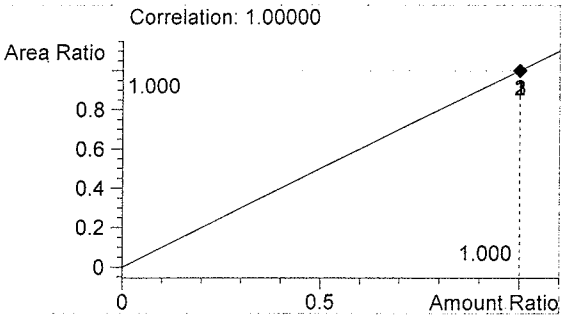
vial # 19



#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1821	1.952
Totals:			



ethanol 0.000 g/100ml



n-propanol 1.000 g/100ml