For the benefit of VaporFi, Inc.

Sample
RM080514

Analytical Report
(0814-52A)

HPLC/IC Analysis
Ammonia

HPLC/UV Analysis
Acetaldehyde, Acrolein, Crotonaldehyde, Formaldehyde

GC/MS Analysis
1,3-Butadiene, Acrylonitrile, Benzene, Isoprene, Toluene

GC/MS/MS Analysis
Benzo[a]pyrene
4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)
N-Nitrosonornicotine (NNN)

GC/FID Analysis (RM02)
Diethylene glycol

Enthalpy Analytical, Inc.
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800-1 Capitola Drive Durham, NC 27713-4385

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 170 pages.

Emil W. Stewart

QA Review Performed by - Emil W. Stewart

Report Issued: 09/05/2014

Summary of Results

Report for: For the benefit of VaporFi, Inc. Project Code: 0814-52
Client Project: RM02 & HPHC Testing Project Start Date: 08/07/2014
Analysis Method: GC/FID

Lowest Standard Value, ug/mL	0.235	10	2.35
Minimum Detection Limit, ug/mL	0.235	10	2.35

Enthalpy Code	Client Code / Notes	Ammonia Dil (ug/mL)	Dilution Factor	Ammonia (ug/mL)
0814-52-01	RM080514	< 0.235 ND	10	< 2.35 ND

ND: Not Detected; analytes not detected above the MDL

Compound / Sample ID	MS Sample (mg)	Spiked (mg)	Native (mg)	Recovery %
Ammonia 0814-52-01-MS	1.52	1.89	0.00	80.7%

Report for: For the benefit of VaporFi, Inc.
Client Project: RM02 & HPHC Testing
Type of Tobacco:

Project Code: 0814-52
Project Start Date: 08/07/2014
Analysis Method: GC/FID

Lowest Standard Value, ug/mL	2.23	100	223
Minimum Detection Limit, ug/mL	0.223	100	22.3

Enthalpy Code	Client Code / Notes	Diethylene glycol Dil (ug/mL)	Dilution Factor	Diethylene glycol (ug/mL)
0814-52-01	RM080514	< 0.223 ND	100	< 22.3 ND

ND: Not Detected; analytes not detected above the MDL

Compound / Sample ID	MS Sample (ug)	Spiked (ug)	Native (ug)	Recovery %
Diethylene glycol 0814-52-01MS	50.1	55.7	0.00	90.0%

Report for: For the benefit of VaporFi, Inc. Project Code: 0814-52
Client Project: RM02 & HPHC Testing Project Start Date: 08/07/2014
Analysis Method: GC/MS

Lowest Stnd Value, ug/mL	8.80	8.80	88.0	11.0
Min. Detection Limit, ug/mL	0.880	0.880	8.80	1.10

Enthalpy Code	Client Code	1,3-Butadiene (ug/mL)	Acrylonitrile (ug/mL)	Isoprene (ug/mL)	Benzene (ug/mL)
0814-52-01	RM080514	< 0.880 ND	< 0.880 ND	< 8.80 ND	< 1.10 ND

ND: Not Detected; analytes not detected above the minimum detection limit.

Compound / Sample ID	MS Sample (ug)	Spiked (ug)	Native (ug)	Recovery %
1,3-Butadiene 0814-52-01MS	3.93	3.92	0.00	100%
Acrylonitrile 0814-52-01MS	3.57	3.92	0.00	91.1%
Isoprene 0814-52-01MS	37.8	39.2	0.00	96.3%
Benzene 0814-52-01MS	4.73	4.90	0.00	96.4%
Toluene 0814-52-01MS	4.94	4.90	0.00	101%

Report for: For the benefit of VaporFi, Inc. Project Code: 0814-52
Client Project: RM02 & HPHC Testing Project Start Date: 08/07/2014
Sample Type: eliquid Analysis Method: GC / MS

Lowest Standard Value, ng/mL	0.522	20	10.4
Minimum Detection Limit, ng/mL	0.100	20	2.00

Enthalpy Code	Client Code / Notes	BaP Dil (ng/mL)	Dilution Factor	BaP (ng/mL)
0814-52-01	RM080514	< 0.100 ND	20	< 2.00 ND

ND: Not Detected; analytes not detected above the MDL

BaP: Benzo[a]pyrene

Compound / Sample ID	MS Sample (mg)	Spiked (mg)	Native (mg)	Recovery %
BaP				
0814-52-01MS	11.9	10.1	0.00	118%

Report for: For the benefit of VaporFi, Inc. Project Code: 0814-52
Sample Type: eliquid Project Start Date: 08/07/2014
Analysis Method: ENT210

Lowest Standard Value, ng/mL	10.0	10.0
Minimum Detection Limit, ng/mL	2.55	2.93

Enthalpy Code	Client Code / Notes	NNN (ng/mL)	NNK (ng/mL)
0814-52-01	RM080514	3.30 J	3.24 J

J: Results flagged "J" are below the Lower Curve Limit & above the MDL.

NNN: N-nitrosonornicotine

NNK: 4-(N-methyl-N-nitrosoamino)-1-(3-pyridyl)-1-butanone

Compound / Sample ID	MS Catch (ng)	Spiked Amnt (ng)	Native Amnt (ng)	Recovery %
NNN 0814-52-01MS	9.57	10.2	0.330	90.6%
NNK 0814-52-01MS	8.86	10.0	0.324	85.3%

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	For the benefit of VaporFi, Inc.
Analyst	AMP
Parameters	HPLC / IC Analysis

	Eliquid samples
Job #	0814-52
# Samples	1

Custody	Summer Mims received the samples on 8/7/14 after being relinquished by for the benefit of VaporFi, Inc. The samples were received at ambient temperature in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy
Analysis	The liquid samples were analyzed for ammonia following the general analytical procedures for HPLC/IC analyses. An aliquot of 0.05mL from each sample was combined with 4.5mL of H_2SO_4 solvent. The Agilent Model 1100, High Performance Liquid Chromatograph "Patty" was equipped with a Dionex ED40 Conductivity Detector and an appropriate column.
Calibration	The sample and calibration curve chromatograms are located in the ammonia Raw Data section of this report.
QC Notes	Analytes of interest were not detected in the laboratory blank at levels above the detection limit. A matrix spike (MS) was prepared using an aliquot of the sample. The recovery value was within 20% of the expected value.
Reporting Notes	The results presented in this report are representative of the samples as provided to the laboratory.

Enthalpy Analytical Narrative Summary

Company	For the benefit of VaporFi, Inc.
Analyst	KEH
Parameters	GC/FID Analysis

	Eliquid samples
Job #	0814-52
# Samples	1

Custody	Summer Mims received the samples on 8/7/14 after being relinquished by For the benefit of VaporFi, Inc. The samples were received at ambient temperature in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.
Analysis	The sample was analyzed for diethylene glycol (DEG) following the general analytical procedures for GC/FID analyses. The Hewlett Packard Model 5890, Series II Gas Chromatograph "Ricky" was equipped with a Flame Ionization Detector and an appropriate column for these analyses.
Calibration	The sample and calibration curve chromatograms are located in the DEG Raw Data section of this report.
QC Notes	DEG was not detected above the detection limit in the sample or the blank. A matrix spike (MS) was prepared using an aliquot of the sample. The recovery value was 90%.
Reporting Notes	The results presented in this report are representative of the sample as provided to the laboratory.

Enthalpy Analytical Narrative Summary

Company	For the benefit of VaporFi, Inc.
Analyst	KEH
Parameters	GC/MS Analysis

	Eliquid samples
Job #	0814-52
# Samples	1

Custody	Summer Mims received the samples on 8/7/14 after being relinquished by For the benefit of VaporFi, Inc. The samples were received at ambient temperature in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.
Analysis	The liquid samples were analyzed for 1,3-butadiene, acrylonitrile, benzene, isoprene, and toluene following the general analytical procedures for GC/MS analyses and Enthalpy SOP ENT208. Aliquots of 0.1 mL of each sample were combined with 1 mL of trapping solution. The Agilent Model 7890A Gas Chromatograph "Atticus" was coupled to an Agilent Model 5975C Mass Selective Detector and was fitted with an appropriate column.
Calibration	The calibration curve quantitative results are located in the VOC Raw Data section of this report.
QC Notes	1,3-Butadiene, acrylonitrile, isoprene, benzene, and toluene were not detected in the blank at levels above the minimum detection limit (MDL). A matrix spike (MS) was prepared using an aliquot of the sample. The recovery values were within 10% of the expected values.
Reporting Notes	The results presented in this report are representative of the samples as provided to the laboratory.

Enthalpy Analytical Narrative Summary

Company	For the benefit of VaporFi, Inc.
Analyst	KEH/SSB
Parameters	GC/MS/MS Analysis

	Eliquid samples
Job #	0814-52
# Samples	1

Custody	Summer Mims received the samples on 8/7/14 after being relinquished by For the benefit of VaporFi, Inc. The samples were received at ambient temperature in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.
Analysis	The samples were analyzed for benzo[a]pyrene (BaP) following the general analytical procedures for GC/MS/MS analyses and Enthalpy SOP ENT220. An aliquot of 0.05mL of each sample was combined with water (DIUF) and internal standard solution to make a final volume of 1 mL. An oily film was present on top of the aqueous layer after initial sample preparation and after mixing. An Agilent Model 7890 Gas Chromatograph coupled to Agilent Model 7000 GC/MS Triple Quad "Saphira" was fitted with an appropriate column for these analyses.
Calibration	The calibration curve quantitative analysis results are located in the BaP Raw Data section of this report.
QC Notes	BaP was not detected in the laboratory blank at levels above the MDL. A matrix spike (MS) was prepared using an aliquot of the sample. The recovery values were within 20% of the expected values.
Reporting Notes	The results presented in this report are representative of the sample as provided to the laboratory.

Enthalpy Analytical Narrative Summary

Company	For the benefit of VaporFi, Inc.
Analyst	SSB
Parameters	GC/MS/MS Analysis

	Eliquid samples
Job #	0814-52
# Samples	1

Custody	Summer Mims received the samples on 8/7/14 after being relinquished by For the benefit of VaporFi, Inc. The samples were received at ambient temperature in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.
Analysis	The samples were analyzed for tobacco specific nitrosamines N-nitrosonornicotine (NNN) and 4-(N-methyl-N-nitrosoamino)-1-(3-pyridyl)-1-butanone (NNK) following the general analytical procedures in Enthalpy SOP ENT-210. The Agilent Model 7890 Gas Chromatograph coupled to Agilent Model 7000 GC/MS Triple Quad "Bender" was fitted with an appropriate column for these analyses.
Calibration	The calibration curve quantitative analysis results are located in the NNN & NNK Raw Data section of this report.
QC Notes	Trace amounts of NNN and NNK were detected in the blank; the MDL was set equal to the blank concentration. A matrix spike (MS) was prepared using an aliquot of the sample. The recovery values were within 15% of the expected values.
Reporting Notes	The results presented in this report are representative of the sample as provided to the laboratory.

General Reporting Notes

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc. data reports, unless specifically noted otherwise.

- Any analysis which refers to the method as ***"Type"*** represents a planned deviation from the reference method. For instance a Hydrogen Sulfide assay from a Tedlar bag would be labeled as "EPA Method 16-Type" because Tedlar bags are not mentioned as one of the collection options in EPA Method 16.
- The acronym ***MDL*** represents the Minimum Detection Limit. Below this value the laboratory cannot determine the presence of the analyte of interest reliably.
- The acronym ***LOQ*** represents the Limit of Quantification. Below this value the laboratory cannot quantitate the analyte of interest within the criteria of the method.
- The acronym ***ND*** following a value indicates a non-detect or analytical result below the MDL.
- The letter ***J*** in the Qualifier or Flag column in the results indicates that the value is between the MDL and the LOQ. The laboratory can positively identify the analyte of interest as present, but the value should be considered an estimate.
- The letter ***E*** in the Qualifier or Flag column indicates an analytical result exceeding 100% of the highest calibration point. The associated value should be considered as an estimate.
- The acronym ***DF*** represents Dilution Factor. This number represents dilution of the sample during the preparation and/or analysis process. The analytical result taken from a laboratory instrument is multiplied by the DF to determine the final undiluted sample results.
- The addition of ***MS*** to the Sample ID represents a Matrix Spike. An aliquot of an actual sample is spiked with a known amount of analyte so that a percent recovery value can be determined. The MS analysis indicates what effect the sample matrix may have on the target analyte, i.e. whether or not anything in the sample matrix interferes with the analysis of the analyte(s).
- The addition of ***MSD*** to the Sample ID represents a Matrix Spike Duplicate. Prepared in the same manner as a MS, the use of duplicate matrix spikes allows further confirmation of laboratory quality by showing the consistency of results gained by performing the same steps multiple times.
- The addition of ***LD*** to the Sample ID represents a Laboratory Duplicate. The analyst prepares an additional aliquot of sample for testing and the results of the duplicate analysis are compared to the initial result. The result should have a difference value of within 10% of the initial result (if the results of the original analysis are greater than the LOQ).
- The addition of ***AD*** to the Sample ID represents an Alternate Dilution. The analyst prepares an additional aliquot at a different dilution factor (usually double the initial factor). This analysis helps confirm that no additional compound is present and coeluting or sharing absorbance with the analyte of interest, as they would have a different response/absorbance than the analyte of interest.

General Reporting Notes

(continued)

- The Sample ID ***LCS*** represents a Laboratory Control Sample. Clean matrix, similar to the client sample matrix, prepared and analyzed by the laboratory using the same reagents, spiking standards and procedures used for the client samples. The LCS is used to assess the control of the laboratory's analytical system. Whenever spikes are prepared for our client projects, two spikes are retained as LCSs. The LCSs are labeled with the associated project number and kept in-house at the appropriate temperature conditions. When the project samples are received for analysis, the LCSs are analyzed to confirm that the analyte could be recovered from the media, separate from the samples which were used on the project and which may have been affected by source matrix, sample collection and/or sample transport.
- **Significant Figures**: Where the reported value is much greater than unity (1.00) in the units expressed, the number is rounded to a whole number of units, rather than to 3 significant figures. For example, a value of 10,456.45 ug catch is rounded to 10,456 ug. There are five significant digits displayed, but no confidence should be placed on more than two significant digits.
- **Manual Integration**: The data systems used for processing will flag manually integrated peaks with an "M". There are several reasons a peak may be manually integrated. These reasons will be identified by the following two letter designations on sample chromatograms, if provided in the report. The peak was ***not integrated*** by the software **"NI"**, the peak was ***integrated incorrectly*** by the software **"II"** or the ***wrong peak*** was integrated by the software **"WP"**. These codes will accompany the analyst's manual integration stamp placed next to the compound name on the chromatogram.

Sample Custody Record

ENTHALPY analytical, inc.

Chain of Custody Record

Page 1 of 1

Special Handling:
x Standard Turn Around Time (10 business days)
Rush Turn Around Time -- Date Needed________
- All TATs Subject to Approval by Enthalpy Analytical, Inc.
- All Bag/Can Samples Disposed of 1 Month from Receipt
- All Other Samples Disposed of 4 Months from Receipt

Client Name: For the benefit of VaporFi, Inc.	Project Number:	PO#:	For spiked or duplicate samples: please provide sample volumes for recovery calculations. For Particulates: please provide tare weights and/or condensed water volumes.
Project Manager:	Site Name:	Telephone#: [redacted]	
Report To: [redacted]	Location:	Email: [redacted]	

Special Instructions:

A=Air 1=H2SO4 2=NaOH 3=________ 4=________
X=XAD C=Charcoal SG=Silica Gel

G=Grab C=Composite Q=Quality Control

Sample ID	Date	Time	Sample Volume	Type	Matrix	# of VOA Vials	# of Glass	# of Plastic	# of Bags	# of Canisters	# of Tubes	# Other	HPHC	RM02							Notes:
RM080514	8/5/14		80mls				2						x	x							

(Columns 7–13 are headed Sample Containers; columns 14–21 are headed Analyses.)

Relinquished By:	Date:	Received By:	Date:	Time:	Sample Condition
Jason Dolan	8/5/14	[signature]	8-7-14	1300	☐ Iced X Ambient ☐ °C 22.8
					☐ Iced ☐ Ambient ☐ °C____
		Emil Stewart	8/7/14	1430	☐ Iced ☐ Ambient ☐ °C____

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

Raw Data

Sequence Summary Report

Sequence_AcquiredBy	Amelia Paolantonio
Sequence_AcquiredDate	9/2/2014 11:33:31 AM
Sequence_Name	PATTYPG076 2014-09-02 11-33-30
Sequence_LastModifiedBy	Amelia Paolantonio
Sequence_Ver	5

Name Ammonia

Sample_ID	Sample_Type	Vial	RT	Area	Dil	Tag	Amount	Unit	% of
HPLC76pg111 #1	Calibration	11	5.854	72.276	1	0.235	0.237	ug/ml	100.9
HPLC76pg111 #2	Calibration	12	5.844	121.803	1	0.470	0.457	ug/ml	97.28
HPLC76pg111 #3	Calibration	13	5.862	427.664	1	1.851	1.871	ug/ml	101.1
HPLC76pg111 #4	Calibration	14	5.877	973.330	1	4.495	4.682	ug/ml	104.2
HPLC76pg111 #5	Calibration	15	5.885	1283.903	1	6.586	6.514	ug/ml	98.90
HPLC76pg111 #6	Calibration	16	5.858	1535.191	1	8.582	8.177	ug/ml	95.28
HPLC76pg111 #7	Calibration	17	5.818	2066.415	1	12.313	12.654	ug/ml	102.8
HPLC76pg111 #5	Calibration	15	5.857	1278.080	1	6.586	6.477	ug/ml	98.35

Name : **Ammonia**

Sample_ID	Sample_Type	Vial	RT	Area	Dil	Amount	Unit
HPLC76pg111 #1	Calibration	11	5.854	72.276	1	0.237	ug/ml
HPLC76pg111 #2	Calibration	12	5.844	121.803	1	0.457	ug/ml
HPLC76pg111 #3	Calibration	13	5.862	427.664	1	1.871	ug/ml
HPLC76pg111 #4	Calibration	14	5.877	973.330	1	4.682	ug/ml
HPLC76pg111 #5	Calibration	15	5.885	1283.903	1	6.514	ug/ml
HPLC76pg111 #6	Calibration	16	5.858	1535.191	1	8.177	ug/ml
HPLC76pg111 #7	Calibration	17	5.818	2066.415	1	12.654	ug/ml
HPLC76pg111 #SS	Control	18	5.855	1196.844	1	5.978	ug/ml
HPLC76pg111 #RB	Control	19			1	0.000	ug/ml
0814-52-01	Sample	21	5.730	3.157	10	0.103	ug/ml
0814-52-01-MS	Sample	22	5.780	643.012	1	2.930	ug/ml
HPLC76pg111 #5	Calibration	15	5.857	1278.080	1	6.477	ug/ml

Sequence Summary Report

Compound: Ammonia

Signal: ADC1B

Exp. RT: 5.854

Corr. Coeff.: 0.999581

Residual: 33.49397

RF RSD%:

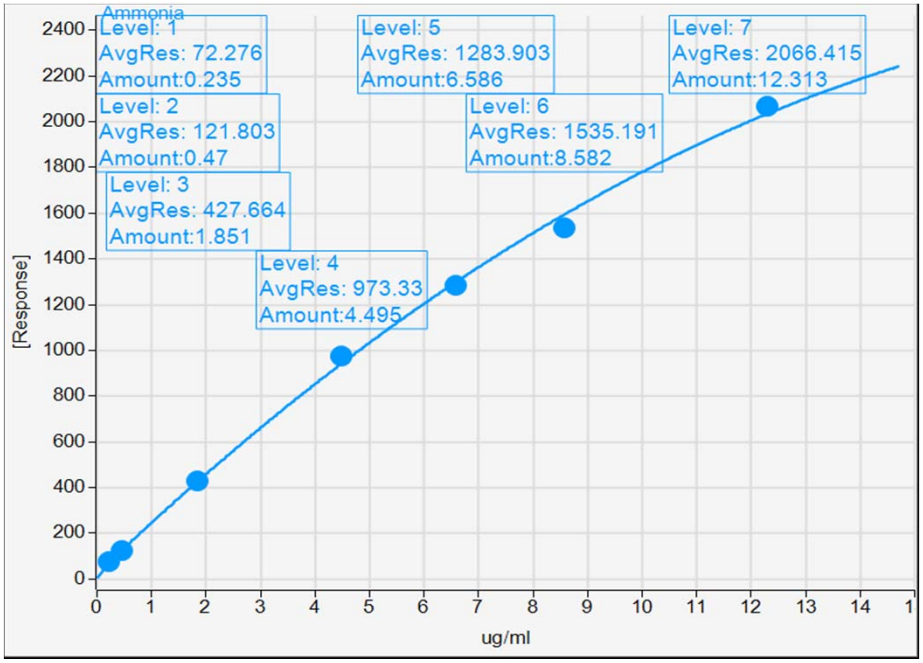
Formula: $y = ax^2 + bx + c$

a: -5.28345

b: 228.71227

c: 18.33283

d: 0.00000

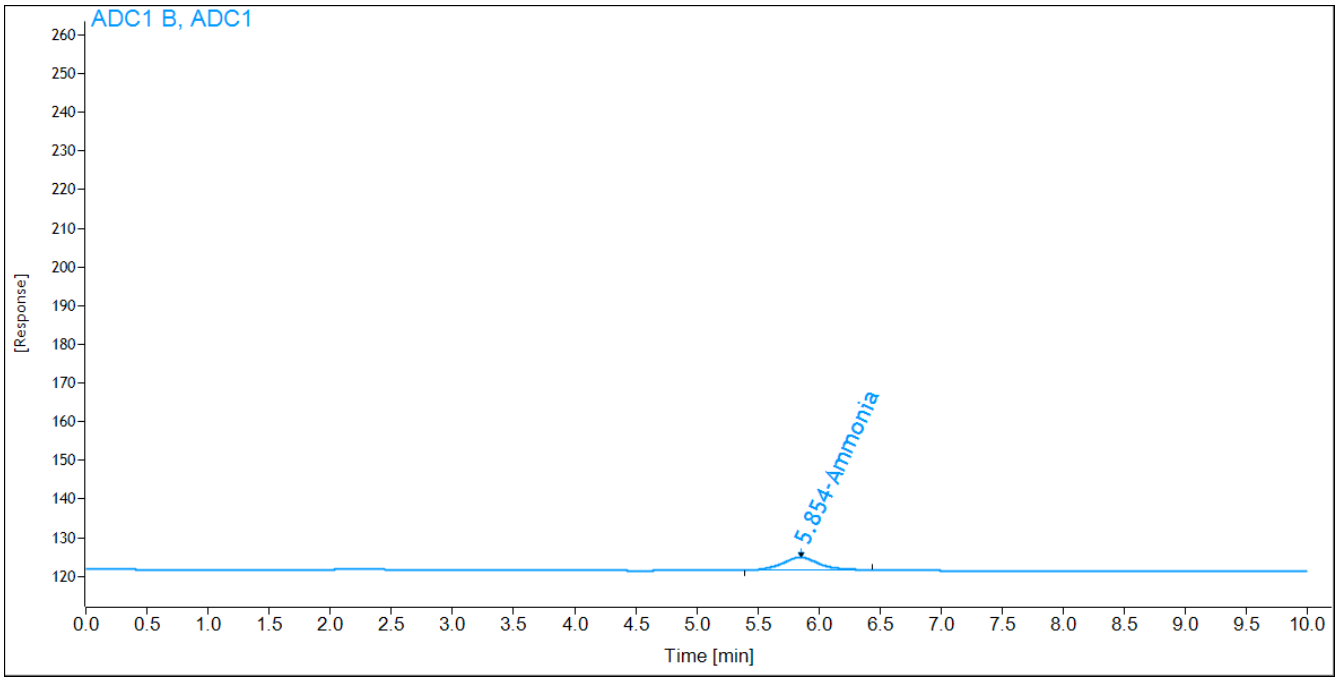


Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\011-0201.D
Sample name: HPLC76pg111 #1
File_Location \HPLC\2014\Patty\Quarter 3
Injection date: 9/2/2014 11:59:37 AM
Acq. method: AMM_ENV_18MSA_DIUF_A.M
Analysis method: PATTYPG076.M
Last changed: 9/2/2014 3:47:38 PM
Instrument: Patty
Sequence_Name PATTYPG076 2014-09-02 11-33-30
Acq. operator: Amelia Paolantonio

Sample type: Calibration
Location: 11
Injection volume: 35.000
Injection: 1 of 1
File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	BB	5.85	72.2760	1	0.24	0.237	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\012-0301.D

Sample name: HPLC76pg111 #2

File_Location \HPLC\2014\Patty\Quarter 3

Injection date: 9/2/2014 12:11:34 PM

Acq. method: AMM_ENV_18MSA_DIUF_A.M

Analysis method: PATTYPG076.M

Last changed: 9/2/2014 3:47:38 PM

Instrument: Patty

Sequence_Name PATTYPG076 2014-09-02 11-33-30

Acq. operator: Amelia Paolantonio

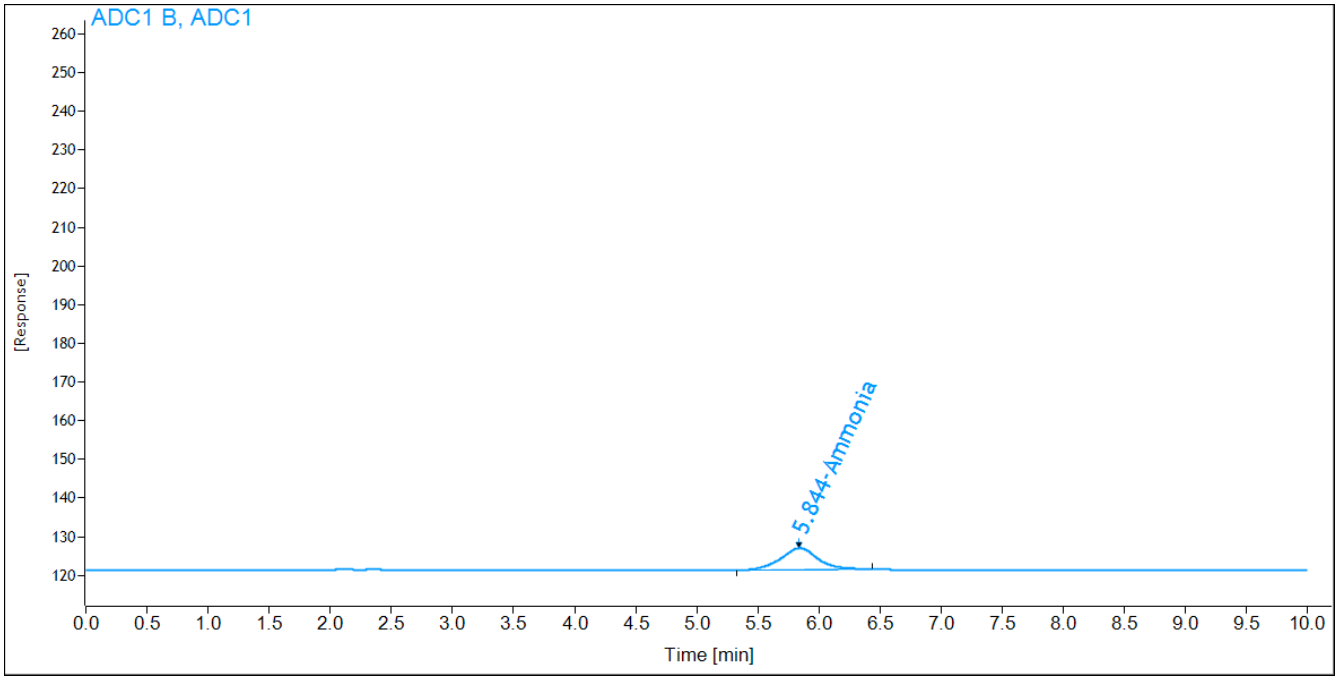
Sample type: Calibration

Location: 12

Injection volume: 35.000

Injection: 1 of 1

File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	BB	5.84	121.8032	1	0.46	0.457	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\013-0401.D

Sample name: HPLC76pg111 #3

File_Location \HPLC\2014\Patty\Quarter 3

Injection date: 9/2/2014 12:23:29 PM

Acq. method: AMM_ENV_18MSA_DIUF_A.M

Analysis method: PATTYPG076.M

Last changed: 9/2/2014 3:47:38 PM

Instrument: Patty

Sequence_Name PATTYPG076 2014-09-02 11-33-30

Acq. operator: Amelia Paolantonio

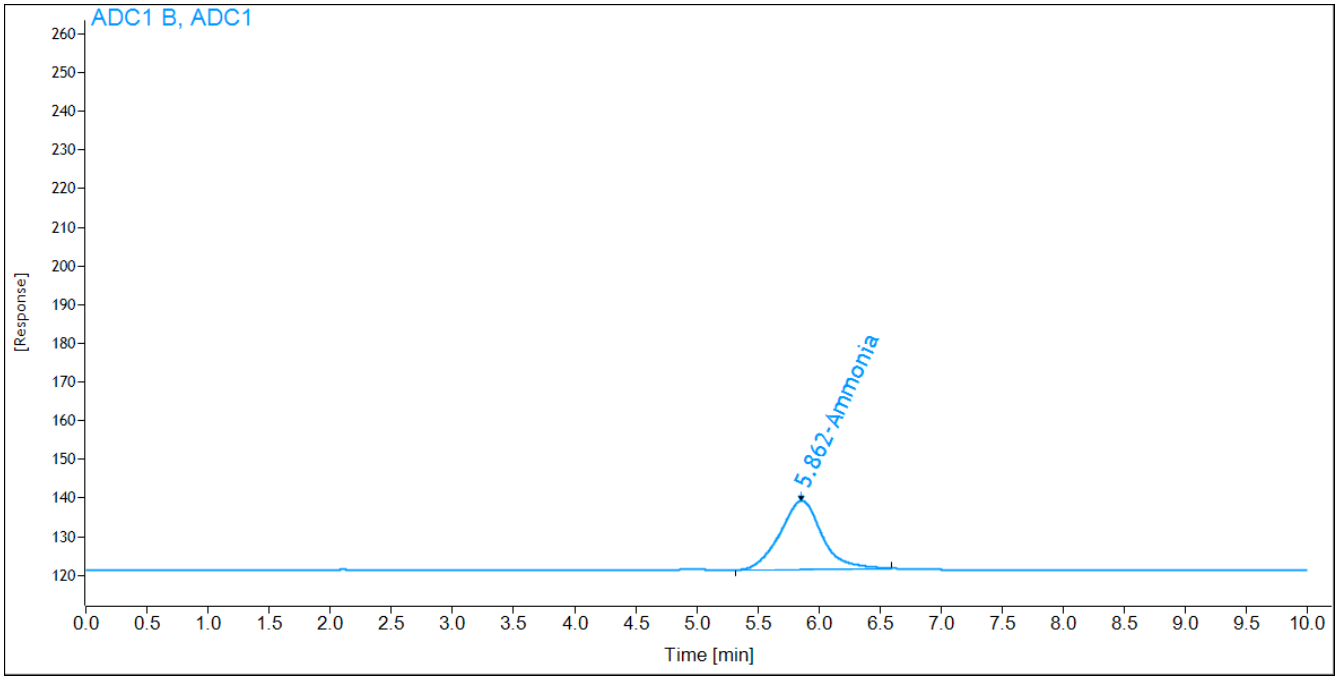
Sample type: Calibration

Location: 13

Injection volume: 35.000

Injection: 1 of 1

File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	BB	5.86	427.6642	1	1.87	1.871	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\014-0501.D

Sample name: HPLC76pg111 #4

File_Location \HPLC\2014\Patty\Quarter 3

Injection date: 9/2/2014 12:35:24 PM

Acq. method: AMM_ENV_18MSA_DIUF_A.M

Analysis method: PATTYPG076.M

Last changed: 9/2/2014 3:47:38 PM

Instrument: Patty

Sequence_Name PATTYPG076 2014-09-02 11-33-30

Acq. operator: Amelia Paolantonio

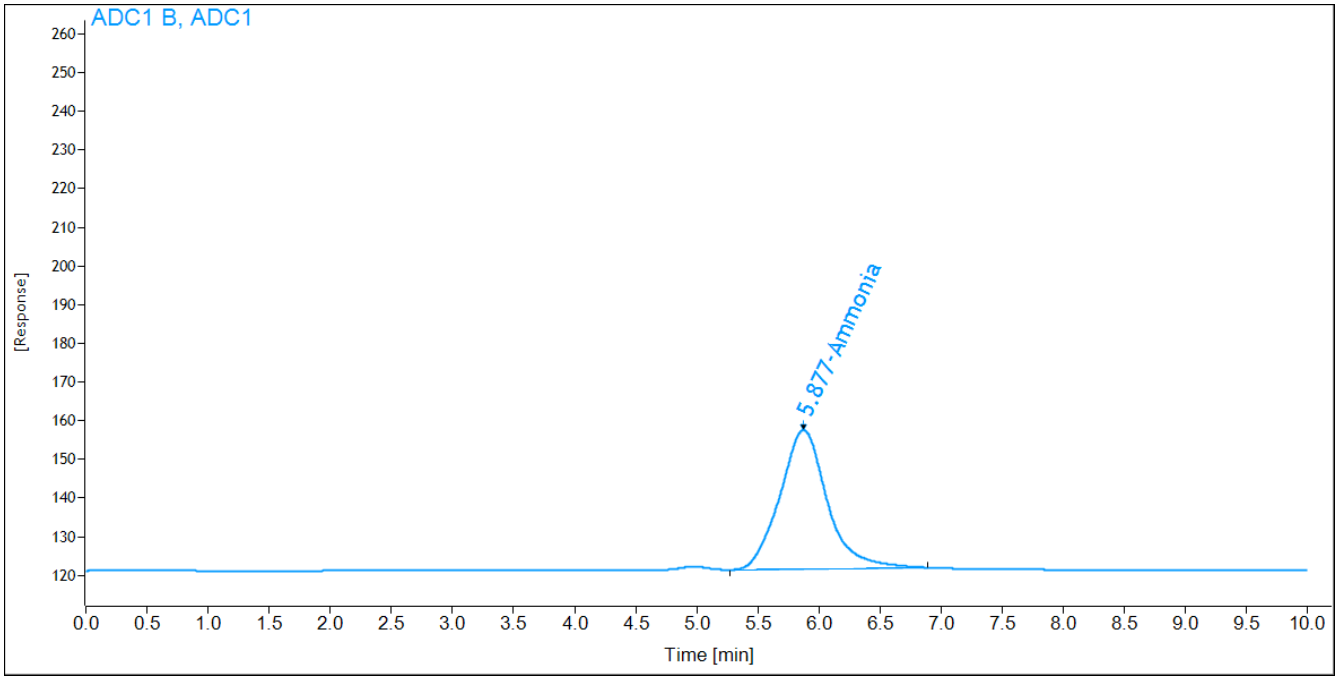
Sample type: Calibration

Location: 14

Injection volume: 35.000

Injection: 1 of 1

File_Version 6



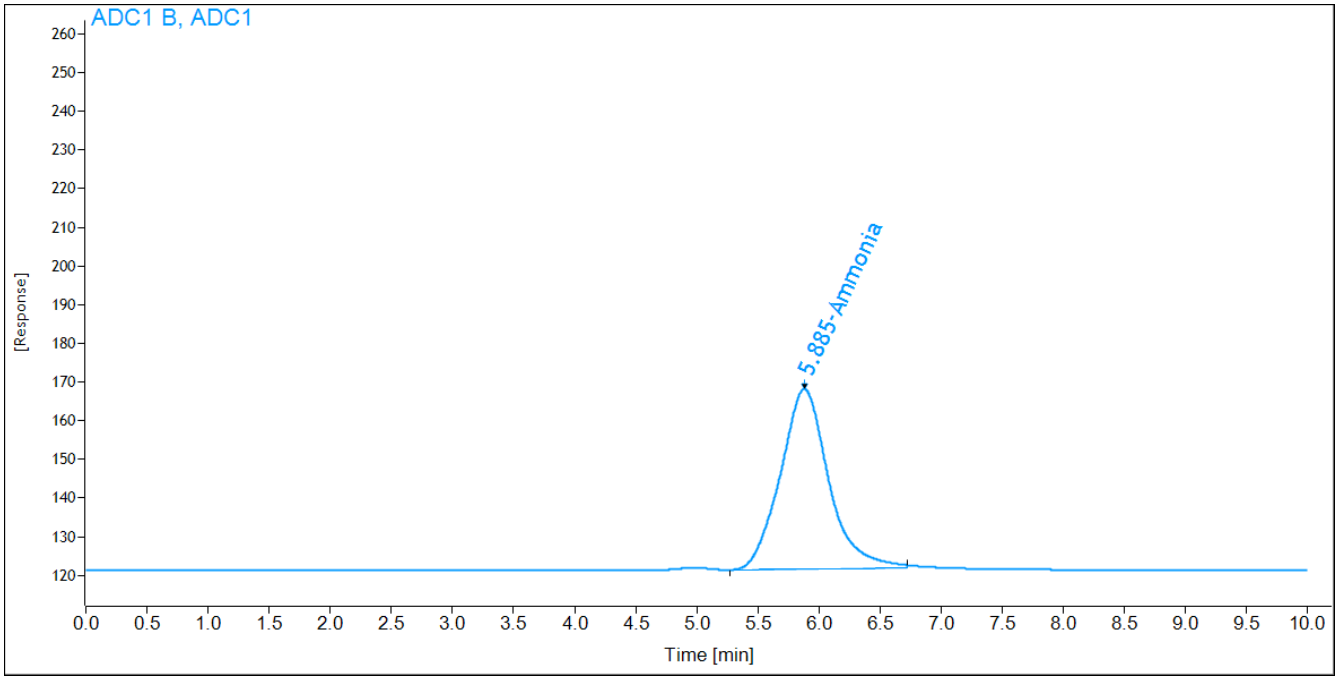
Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	BB	5.88	973.3303	1	4.68	4.682	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\015-0601.D
Sample name: HPLC76pg111 #5
File_Location \HPLC\2014\Patty\Quarter 3
Injection date: 9/2/2014 12:47:19 PM
Acq. method: AMM_ENV_18MSA_DIUF_A.M
Analysis method: PATTYPG076.M
Last changed: 9/2/2014 3:47:38 PM
Instrument: Patty
Sequence_Name PATTYPG076 2014-09-02 11-33-30
Acq. operator: Amelia Paolantonio

Sample type: Calibration
Location: 15
Injection volume: 35.000
Injection: 1 of 1
File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	VV	5.88	1283.9034	1	6.51	6.514	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\016-0701.D

Sample name: HPLC76pg111 #6

File_Location \HPLC\2014\Patty\Quarter 3

Injection date: 9/2/2014 12:59:14 PM

Acq. method: AMM_ENV_18MSA_DIUF_A.M

Analysis method: PATTYPG076.M

Last changed: 9/2/2014 3:47:38 PM

Instrument: Patty

Sequence_Name PATTYPG076 2014-09-02 11-33-30

Acq. operator: Amelia Paolantonio

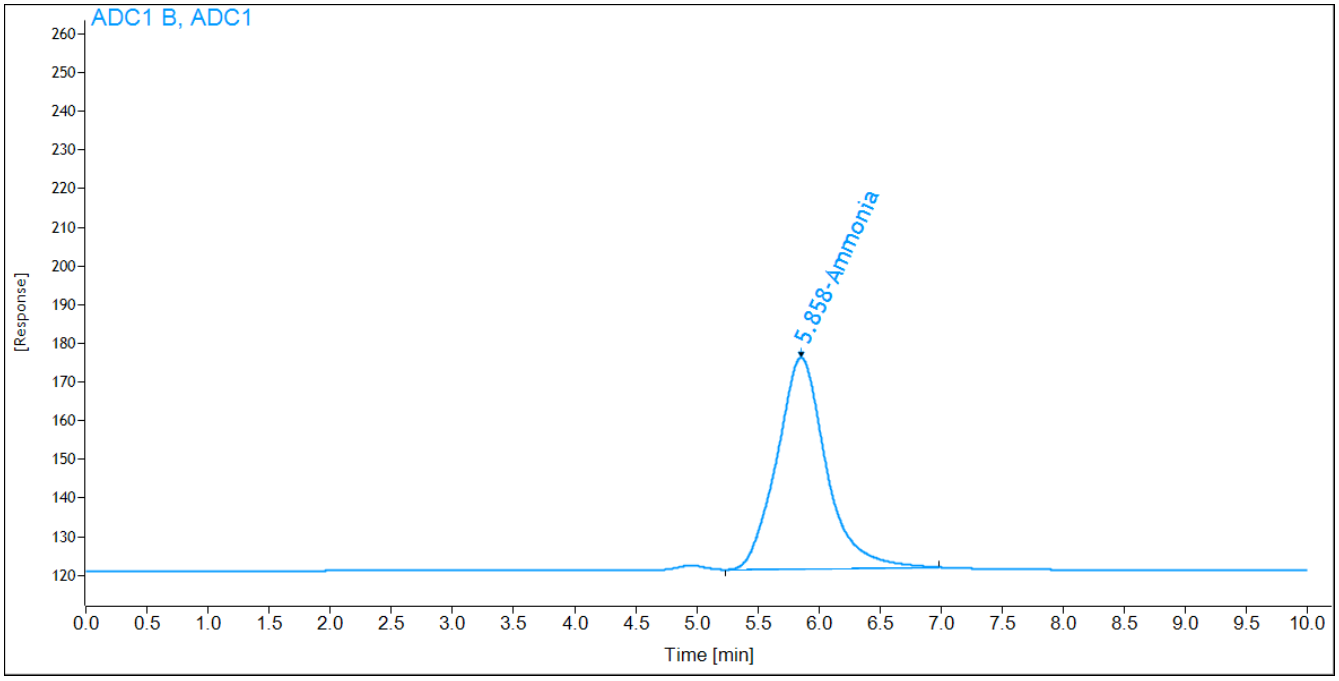
Sample type: Calibration

Location: 16

Injection volume: 35.000

Injection: 1 of 1

File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	VB	5.86	1535.1912	1	8.18	8.177	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\017-0801.D

Sample name: HPLC76pg111 #7

File_Location \HPLC\2014\Patty\Quarter 3

Injection date: 9/2/2014 1:11:29 PM

Acq. method: AMM_ENV_18MSA_DIUF_A.M

Analysis method: PATTYPG076.M

Last changed: 9/2/2014 3:47:38 PM

Instrument: Patty

Sequence_Name PATTYPG076 2014-09-02 11-33-30

Acq. operator: Amelia Paolantonio

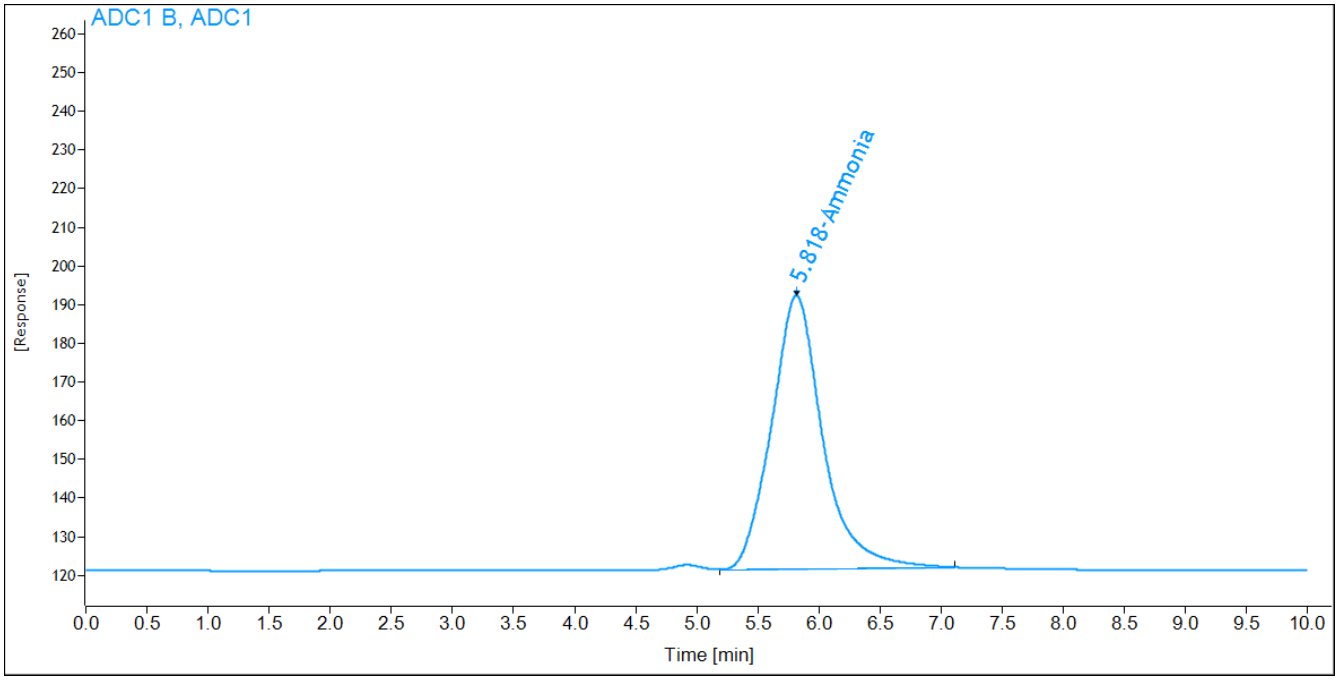
Sample type: Calibration

Location: 17

Injection volume: 35.000

Injection: 1 of 1

File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	VB	5.82	2066.4148	1	12.65	12.654	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\018-0901.D

Sample name: HPLC76pg111 #SS

File_Location \HPLC\2014\Patty\Quarter 3

Injection date: 9/2/2014 1:23:05 PM

Acq. method: AMM_ENV_18MSA_DIUF_A.M

Analysis method: PATTYPG076.M

Last changed: 9/2/2014 3:47:38 PM

Instrument: Patty

Sequence_Name PATTYPG076 2014-09-02 11-33-30

Acq. operator: Amelia Paolantonio

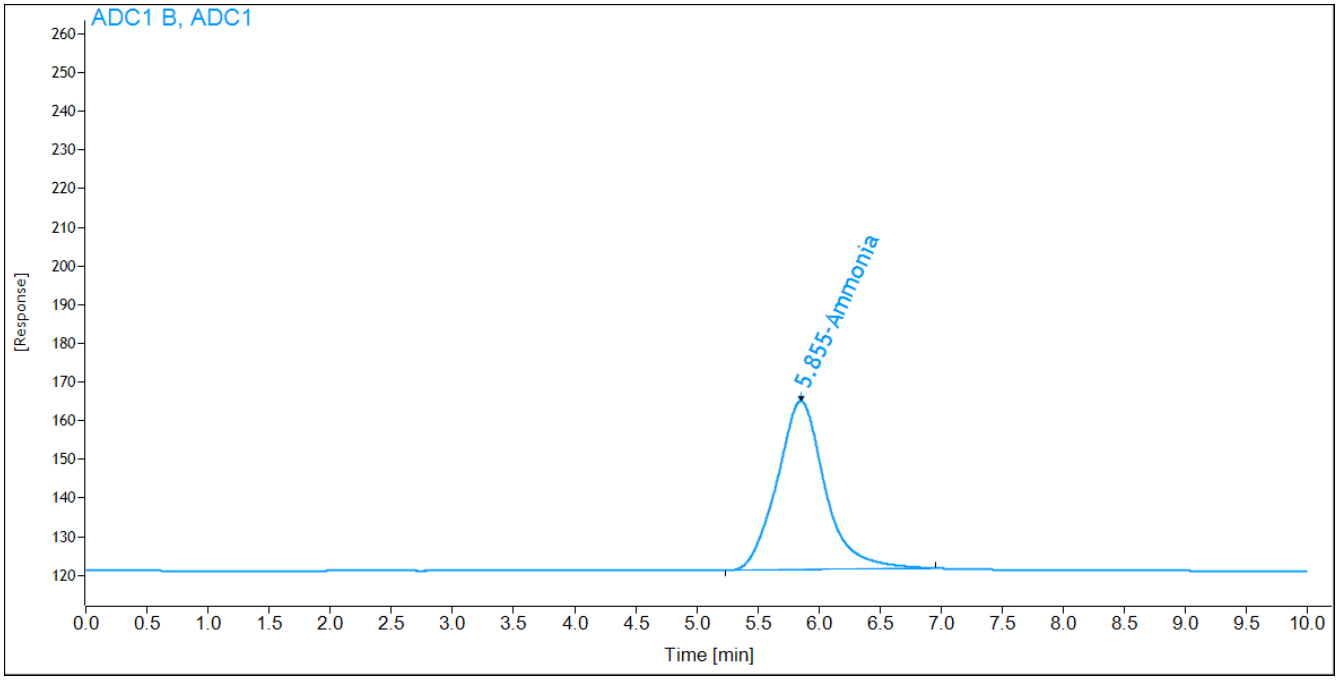
Sample type: Control

Location: 18

Injection volume: 35.000

Injection: 1 of 1

File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	BB	5.86	1196.8441	1	5.98	5.978	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\019-1001.D

Sample name: HPLC76pg111 #RB

File_Location \HPLC\2014\Patty\Quarter 3

Injection date: 9/2/2014 1:35:02 PM

Acq. method: AMM_ENV_18MSA_DIUF_A.M

Analysis method: PATTYPG076.M

Last changed: 9/2/2014 3:47:38 PM

Instrument:
Sequence_Name PATTYPG076 2014-09-02 11-33-30

Acq. operator: Amelia Paolantonio

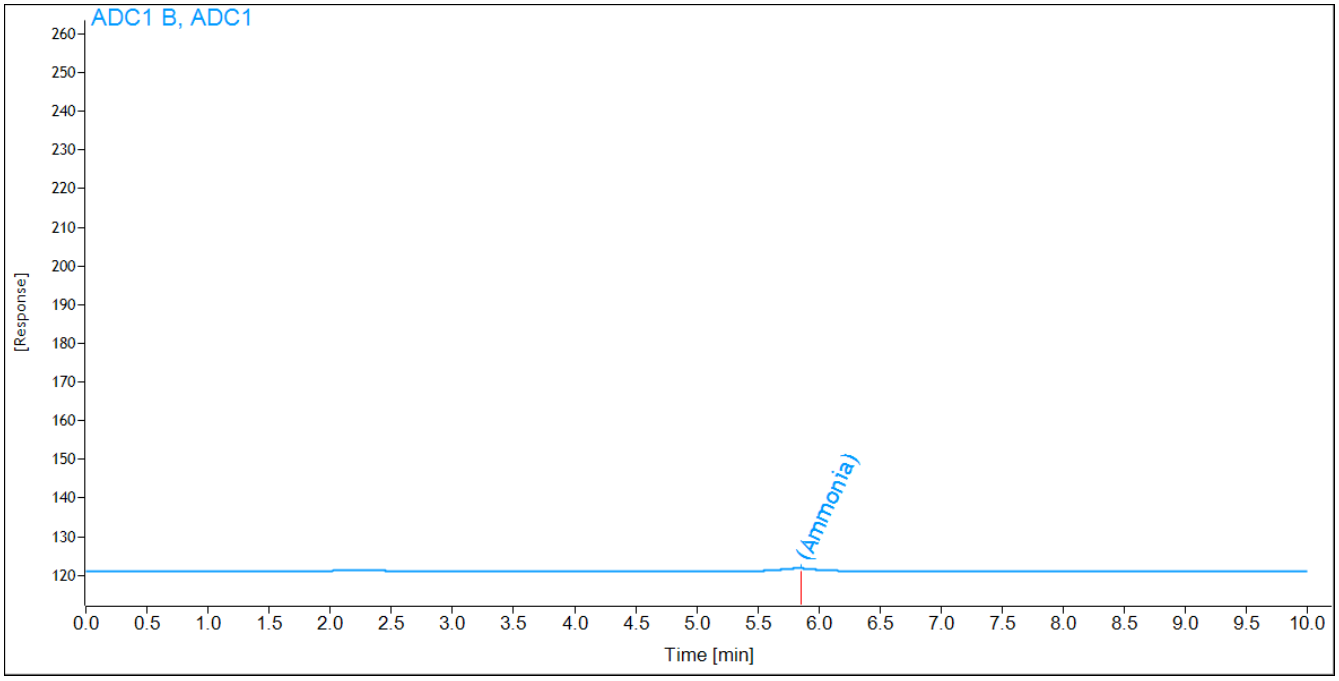
Sample type: Control

Location: 19

Injection volume: 35.000

Injection: 1 of 1

File_Version 6



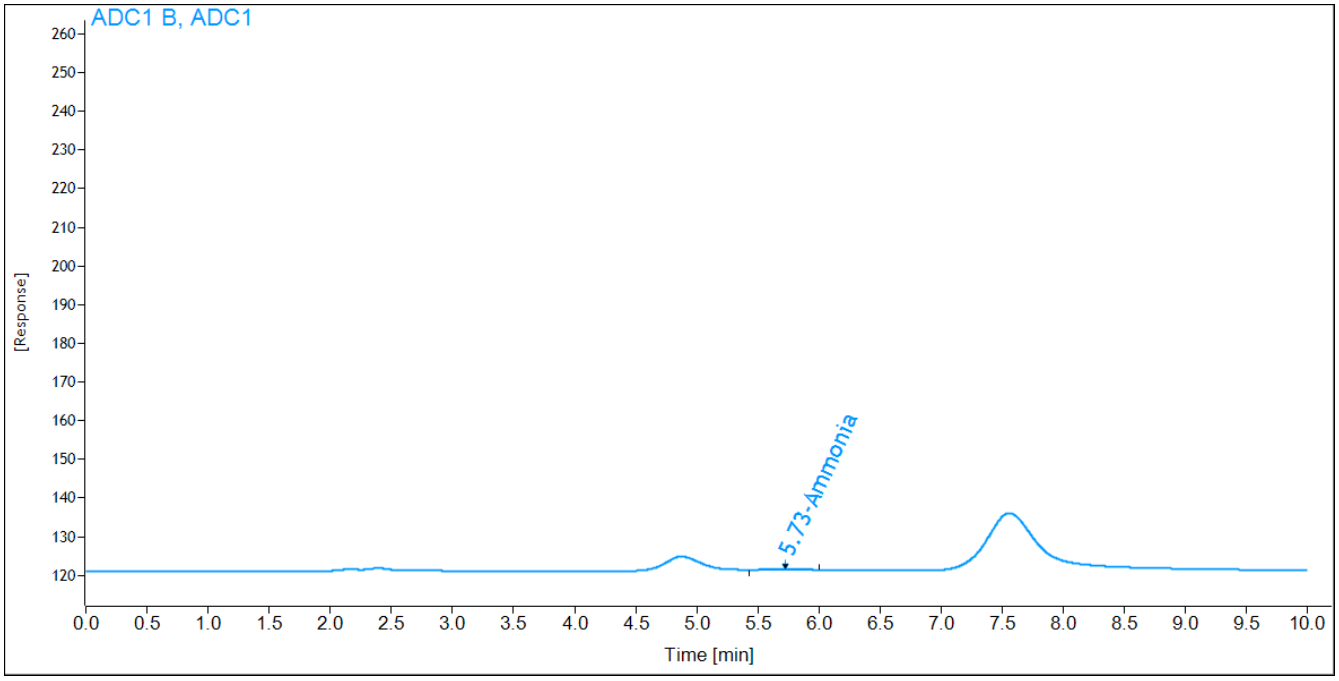
Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia				1	0.00	0.000	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\021-1101.D
Sample name: 0814-52-01
File_Location \HPLC\2014\Patty\Quarter 3
Injection date: 9/2/2014 1:47:00 PM
Acq. method: AMM_ENV_18MSA_DIUF_A.M
Analysis method: PATTYPG076.M
Last changed: 9/2/2014 3:47:38 PM
Instrument: Patty
Sequence_Name PATTYPG076 2014-09-02 11-33-30
Acq. operator: Amelia Paolantonio

Sample type: Sample
Location: 21
Injection volume: 35.000
Injection: 1 of 1
File_Version 6



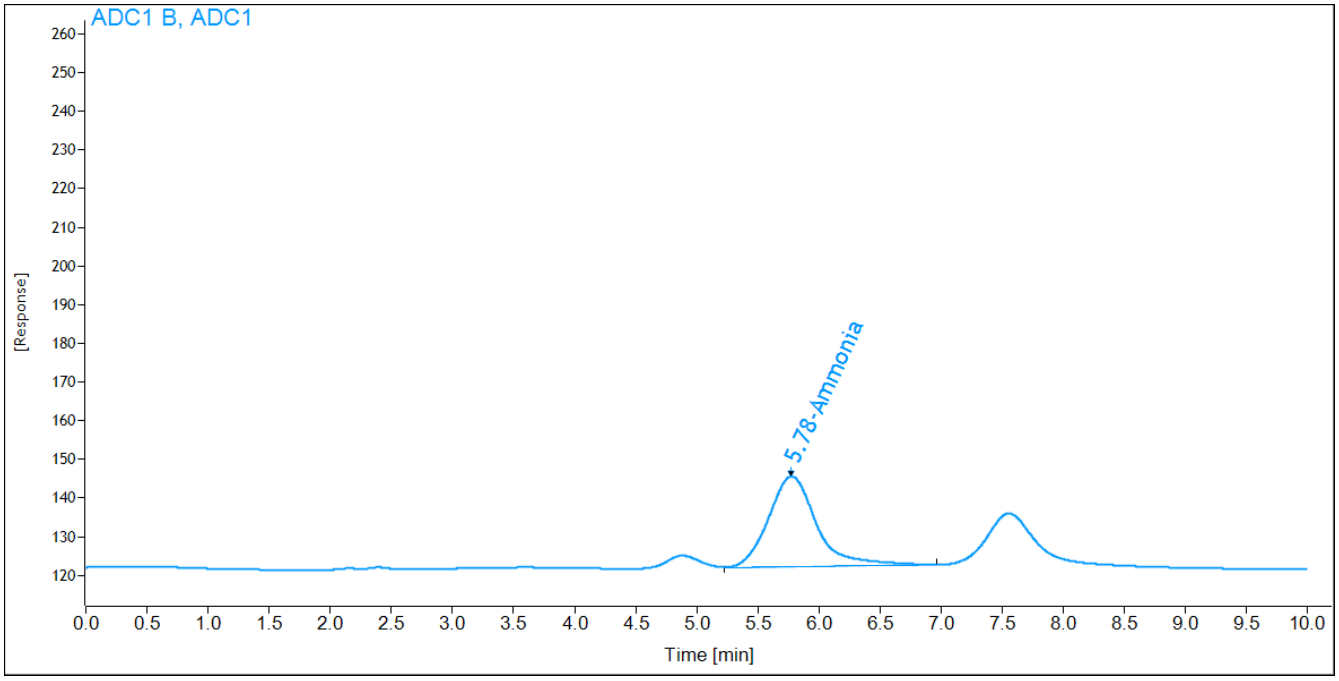
Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	MM	5.73	3.1569	10	0.01	0.103	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\022-1201.D
Sample name: 0814-52-01-MS
File_Location \HPLC\2014\Patty\Quarter 3
Injection date: 9/2/2014 1:58:56 PM
Acq. method: AMM_ENV_18MSA_DIUF_A.M
Analysis method: PATTYPG076.M
Last changed: 9/2/2014 3:47:38 PM
Instrument: Patty
Sequence_Name PATTYPG076 2014-09-02 11-33-30
Acq. operator: Amelia Paolantonio

Sample type: Sample
Location: 22
Injection volume: 35.000
Injection: 1 of 1
File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	FM	5.78	643.0120	1	2.93	2.930	ug/mL

Chromatogram Report

Enthalpy Analytical, Inc.

Data file: C:\HPLC\Instrument\2014\Quarter 2\PATTYPG076 2014-09-02 11-33-30\015-1301.D

Sample name: HPLC76pg111 #5

File_Location \HPLC\2014\Patty\Quarter 3

Injection date: 9/2/2014 2:10:51 PM

Acq. method: AMM_ENV_18MSA_DIUF_A.M

Analysis method: PATTYPG076.M

Last changed: 9/2/2014 3:47:38 PM

Instrument: Patty

Sequence_Name PATTYPG076 2014-09-02 11-33-30

Acq. operator: Amelia Paolantonio

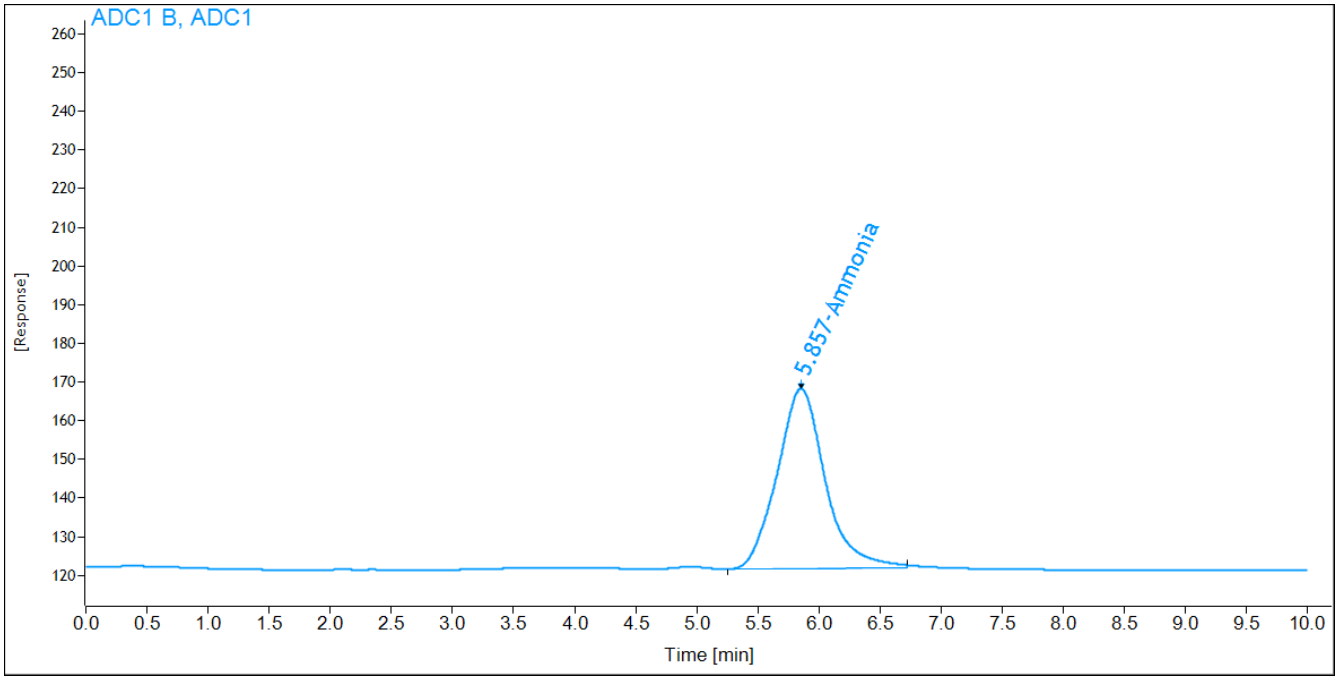
Sample type: Calibration

Location: 15

Injection volume: 35.000

Injection: 1 of 1

File_Version 6



Name	Peak_Type	RT [min]	Area	Dil	ug/ml	Sample_Amount	Units
Ammonia	BV	5.86	1278.0802	1	6.48	6.477	ug/mL

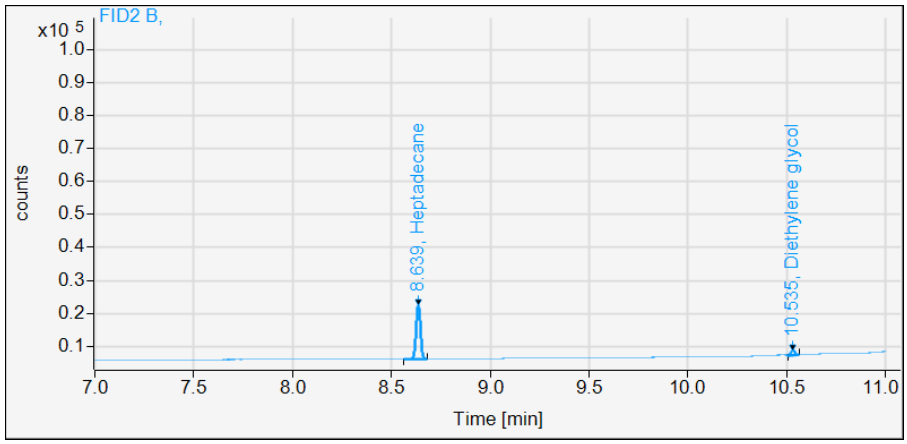
Raw Data

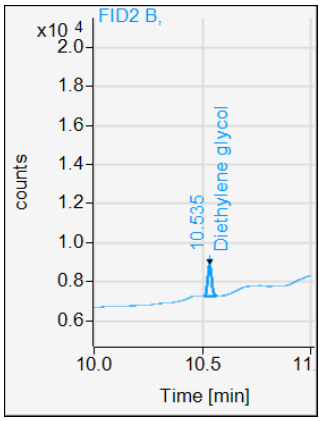
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082614A\100B0201.D
Sample name:	TSC04-175-06 Cal Std#3
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/26/2014 3:54:11 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	2/21/2014 11:19:35 AM
Instrument:	Ricky
Sequence_Name	R082614A
Acq. operator:	Kathy Humphries

Sample type:	Control
Location:	100
Injection volume:	1.000
Injection:	1 of 1
File_Version	2





Signal: FID2 B,

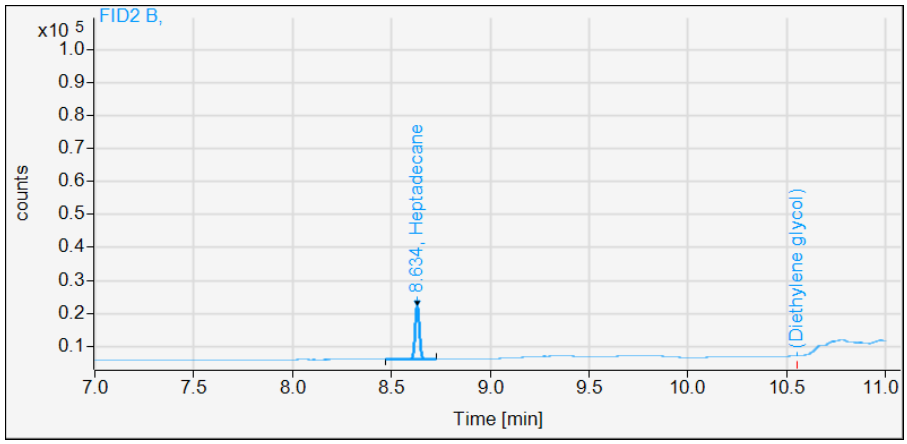
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.64	24607.3	1	47.97	47.97	ug/ml
Diethylene glycol	MM	10.53	2041.6	1	17.25	17.25	ug/ml

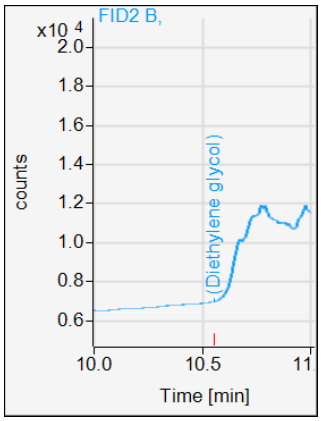
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082614A\001B0301.D
Sample name:	0814-52110 Blank02
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/26/2014 4:12:24 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	2/21/2014 11:19:35 AM
Instrument:	Ricky
Sequence_Name	R082614A
Acq. operator:	Kathy Humphries

Sample type:	Sample
Location:	1
Injection volume:	1.000
Injection:	1 of 1
File_Version	2





Signal: FID2 B,

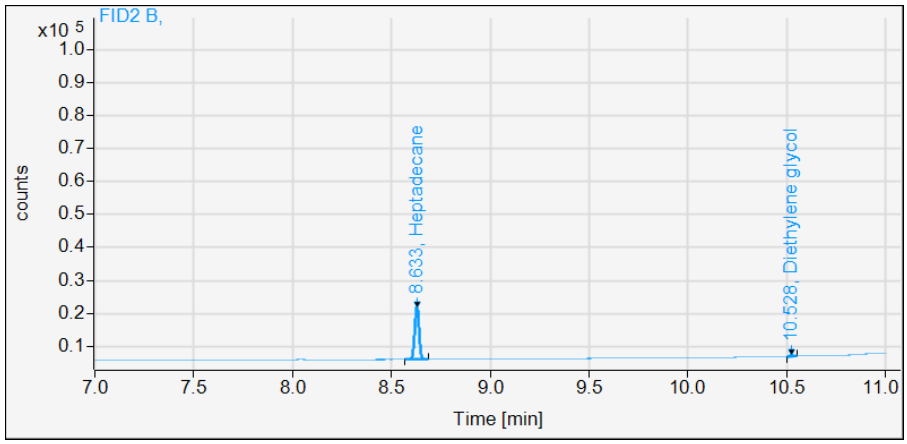
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.63	24352.8	1	47.97	47.97	ug/ml
Diethylene glycol		10.56		1	0.00	0.00	ug/ml

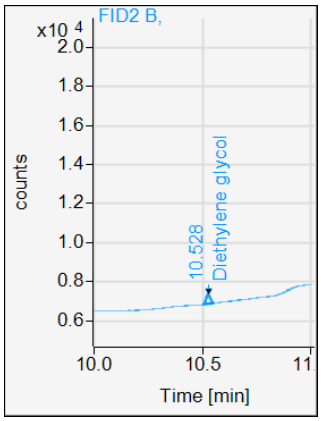
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082614A\002B0401.D
Sample name:	0814-52110 LCS02
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/26/2014 4:30:47 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	2/21/2014 11:19:35 AM
Instrument:	Ricky
Sequence_Name	R082614A
Acq. operator:	Kathy Humphries

Sample type:	Sample
Location:	2
Injection volume:	1.000
Injection:	1 of 1
File_Version	2





Signal: FID2 B,

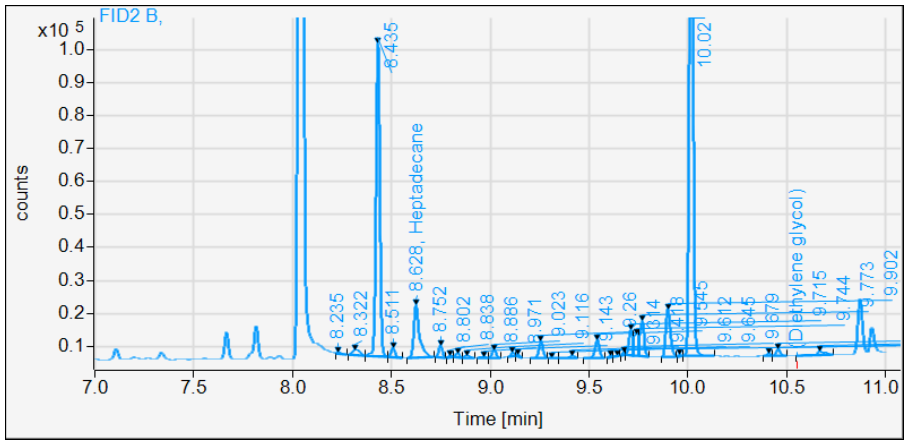
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.63	24196.0	1	47.97	47.97	ug/ml
Diethylene glycol	MM	10.53	627.1	1	5.89	5.89	ug/ml

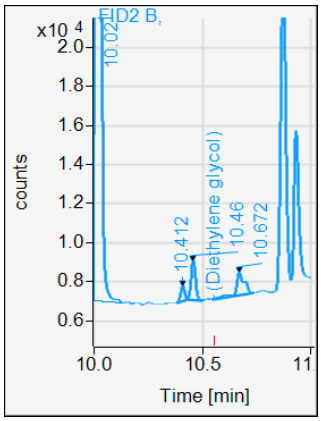
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082614A\004B0701.D
Sample name:	0814-52-01
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/26/2014 5:25:59 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	2/21/2014 11:19:35 AM
Instrument:	Ricky
Sequence_Name	R082614A
Acq. operator:	Kathy Humphries

Sample type:	Sample
Location:	4
Injection volume:	1.000
Injection:	1 of 1
File_Version	2





Signal: FID2 B,

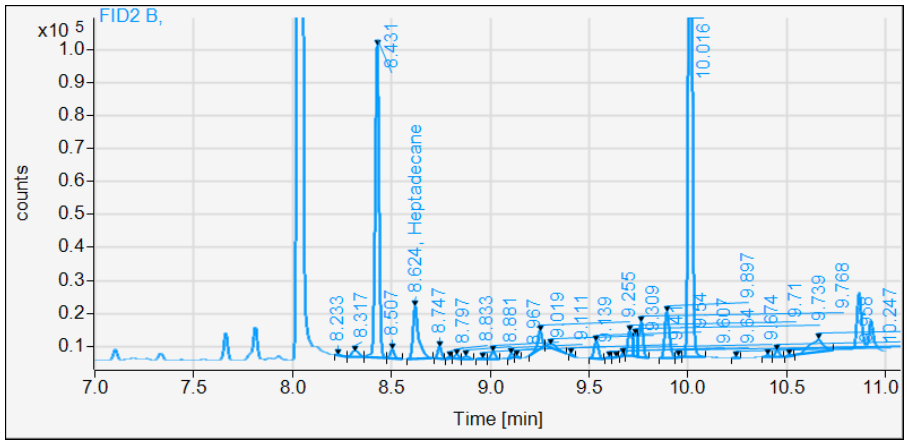
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.63	31346.5	100	0.48	47.97	ug/ml
Diethylene glycol		10.56		100	0.00	0.00	ug/ml

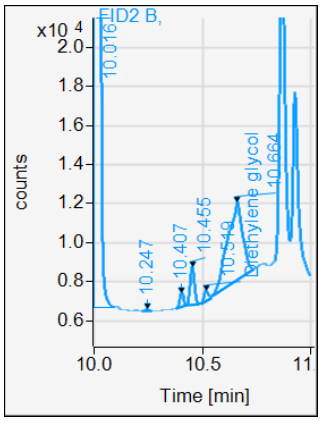
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082614A\005B1001.D
Sample name:	0814-52-01MS
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/26/2014 6:21:11 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	2/21/2014 11:19:35 AM
Instrument:	Ricky
Sequence_Name	R082614A
Acq. operator:	Kathy Humphries

Sample type:	Sample
Location:	5
Injection volume:	1.000
Injection:	1 of 1
File_Version	2





Signal: FID2 B,

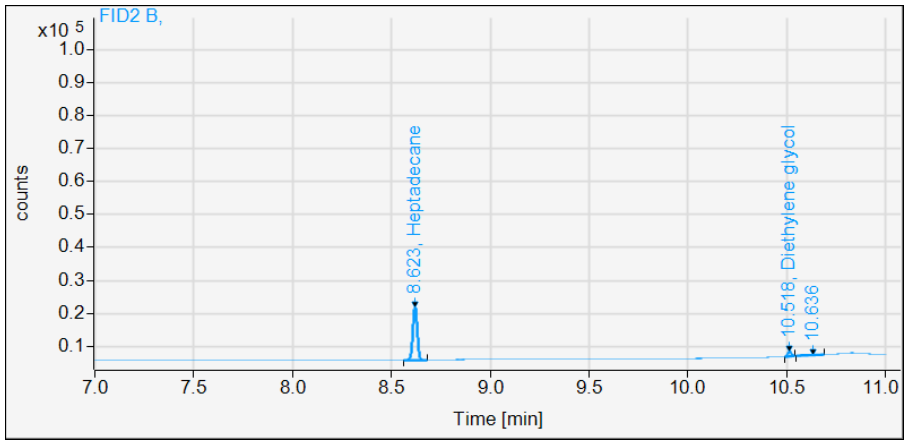
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.62	31192.3	100	0.48	47.97	ug/ml
Diethylene glycol	MM	10.52	670.6	100	5.01	500.85	ug/ml

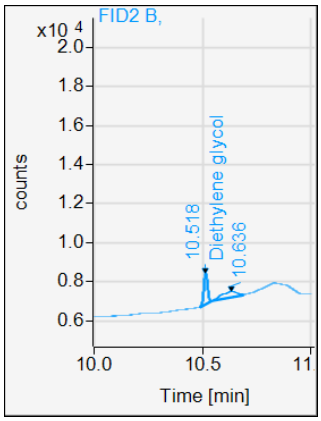
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082614A\100B1201.D
Sample name:	TSC04-175-06 Cal Std#3
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/26/2014 6:57:45 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	2/21/2014 11:19:35 AM
Instrument:	Ricky
Sequence_Name	R082614A
Acq. operator:	Kathy Humphries

Sample type:	Control
Location:	100
Injection volume:	1.000
Injection:	1 of 1
File_Version	2





Signal: FID2 B,

Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.62	24643.0	1	47.97	47.97	ug/ml
Diethylene glycol	BB	10.52	1895.1	1	16.04	16.04	ug/ml

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, August 26, 2014 11:03:37 AM
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 1.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Linear (Amnt)

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [ug/mL]	Name
1	96.80000	Heptadecane

Signal Details

Signal 1: FID2 B,

Overview Table

RT	Sig	Lvl	Amount [ug/mL]	Area	Rsp.Factor	Ref	ISTD #	Compound
8.647	1	1	47.97000	2.57360e4	1.86392e-3	No	Yes 1	Heptadecane
		2	47.97000	2.48187e4	1.93281e-3			
		3	47.97000	2.51373e4	1.90832e-3			
		4	47.97000	2.49019e4	1.92636e-3			

Method C:\Chem32\1\DATA\R082114A\R082114A DEG.M

RT	Sig	Lvl	Amount [ug/mL]	Area	Rsp.Factor	Ref	ISTD	#	Compound
		5	47.97000	2.62460e4	1.82771e-3				
10.546	1	1	2.22700	203.71024	1.09322e-2	No	No	1	Diethylene glycol
		2	8.90800	901.11737	9.88550e-3				
		3	16.70300	1921.99048	8.69047e-3				
		4	22.27100	2653.12354	8.39426e-3				
		5	55.67600	7468.71924	7.45456e-3				

Peak Sum Table

No Entries in table

1 Warnings or Errors :

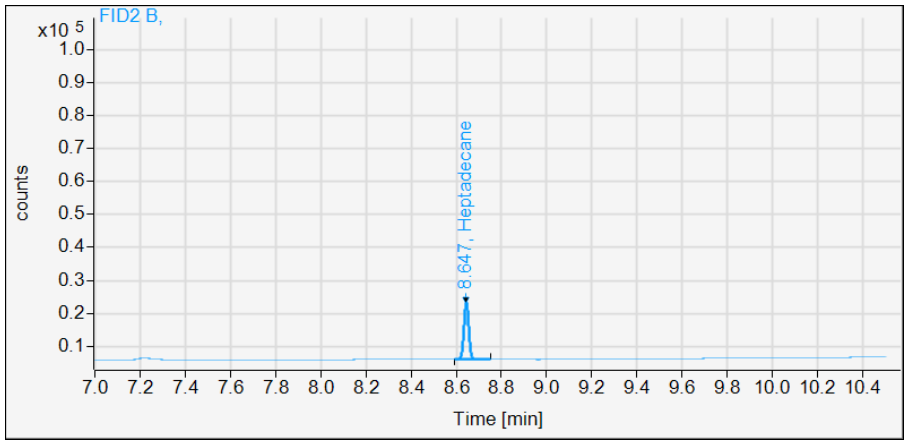
Warning : Curve requires more calibration points., (Heptadecane)

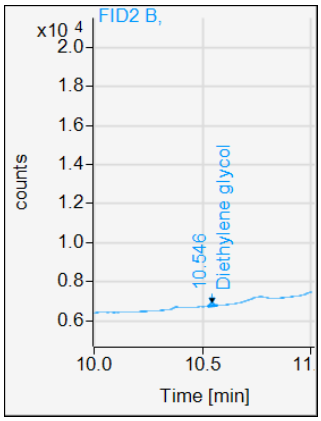
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082114A\086B0201.D
Sample name:	TSC04-175-04 Cal Std#1
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/21/2014 11:23:34 AM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	8/26/2014 11:03:50 AM
Instrument:	Ricky
Sequence_Name	R082114A
Acq. operator:	Sherri Brown

Sample type:	Calibration
Location:	86
Injection volume:	1.000
Injection:	1 of 1
File_Version	4





Signal: FID2 B,

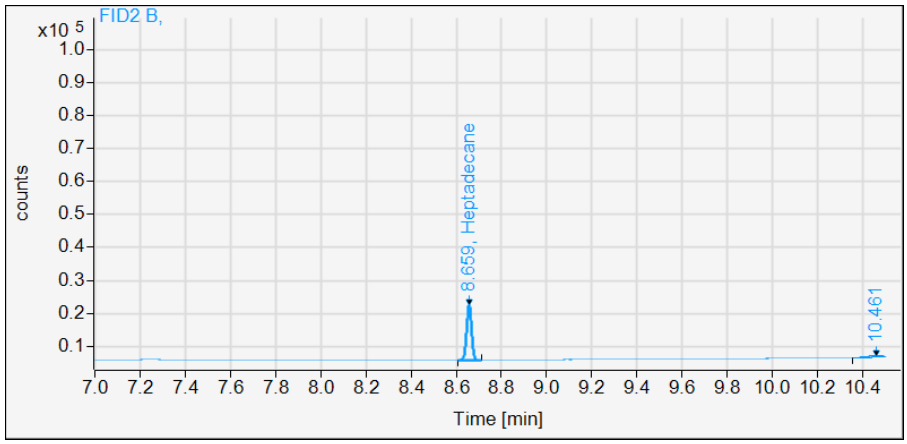
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.65	25736.0	1	47.97	47.97	ug/ml
Diethylene glycol	MM	10.55	203.7	1	2.49	2.49	ug/ml

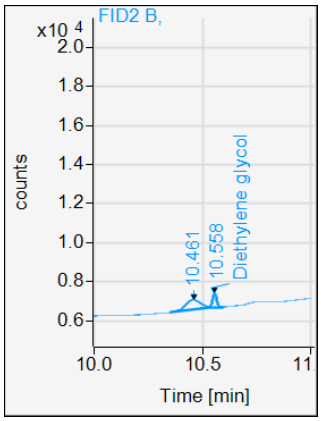
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082114A\087B0301.D
Sample name:	TSC04-175-05 Cal Std#2
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/21/2014 11:42:00 AM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	8/26/2014 11:03:50 AM
Instrument:	Ricky
Sequence_Name	R082114A
Acq. operator:	Sherri Brown

Sample type:	Calibration
Location:	87
Injection volume:	1.000
Injection:	1 of 1
File_Version	4





Signal: FID2 B,

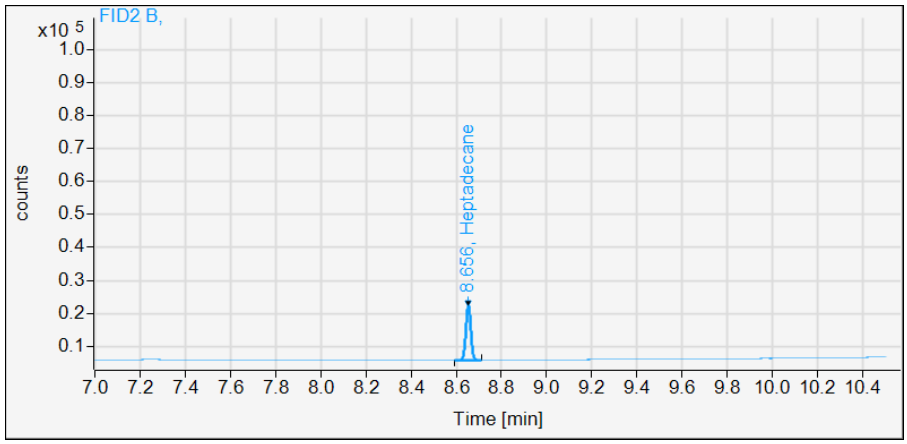
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.66	24818.7	1	47.97	47.97	ug/ml
Diethylene glycol	BB	10.56	901.1	1	8.10	8.10	ug/ml

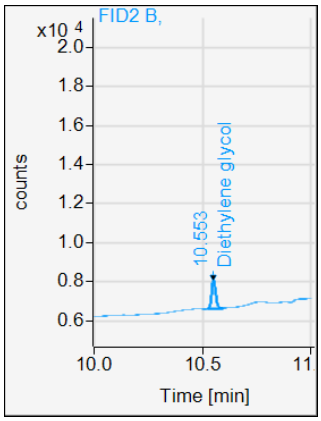
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082114A\088B0401.D
Sample name:	TSC04-175-06 Cal Std#3
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/21/2014 12:00:31 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	8/26/2014 11:03:50 AM
Instrument:	Ricky
Sequence_Name	R082114A
Acq. operator:	Sherri Brown

Sample type:	Calibration
Location:	88
Injection volume:	1.000
Injection:	1 of 1
File_Version	4





Signal: FID2 B,

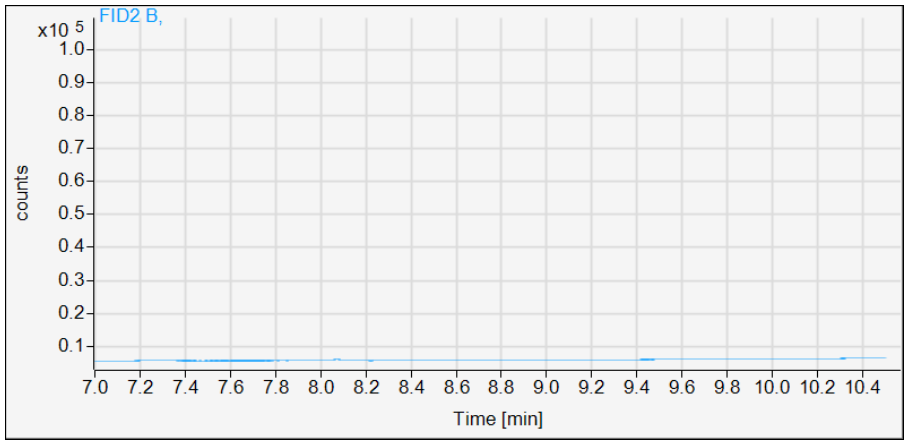
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.66	25137.3	1	47.97	47.97	ug/ml
Diethylene glycol	BB	10.55	1922.0	1	16.04	16.04	ug/ml

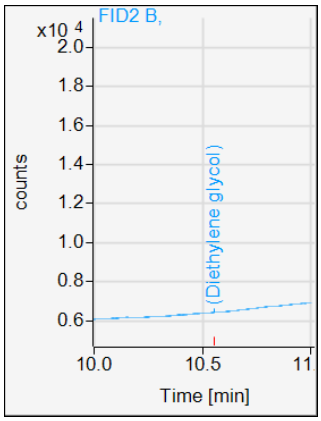
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\CHEM32\1\DATA\R082114A (A)\099B0701.D
Sample name:	Blank
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/21/2014 12:56:13 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	8/21/2014 1:31:42 PM
Instrument:	
Sequence_Name	R082114A
Acq. operator:	Sherri Brown

Sample type:	Sample
Location:	Vial 99
Injection volume:	1.000
Injection:	1 of 1
File_Version	4





Signal: FID2 B,

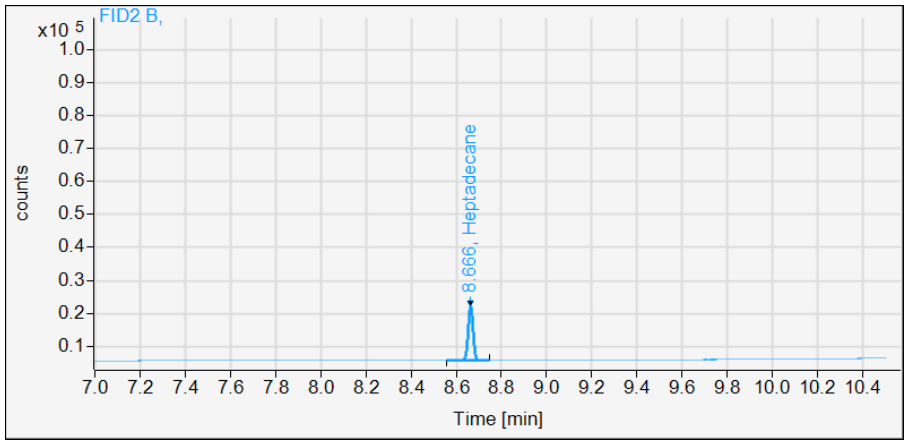
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane		8.66		1	0.00	0.00	ug/ml
Diethylene glycol		10.56		1	0.00	0.00	ug/ml

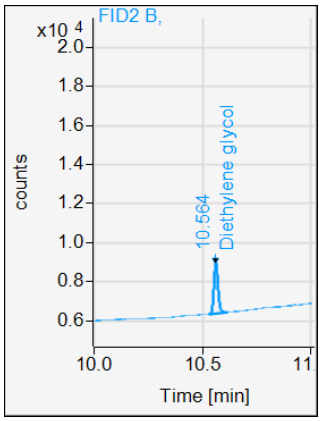
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082114A\091B0801.D
Sample name:	TSC04-175-02 #SS
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/21/2014 1:14:47 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	8/26/2014 11:03:50 AM
Instrument:	Ricky
Sequence_Name	R082114A
Acq. operator:	Sherri Brown

Sample type:	Control
Location:	91
Injection volume:	1.000
Injection:	1 of 1
File_Version	4





Signal: FID2 B,

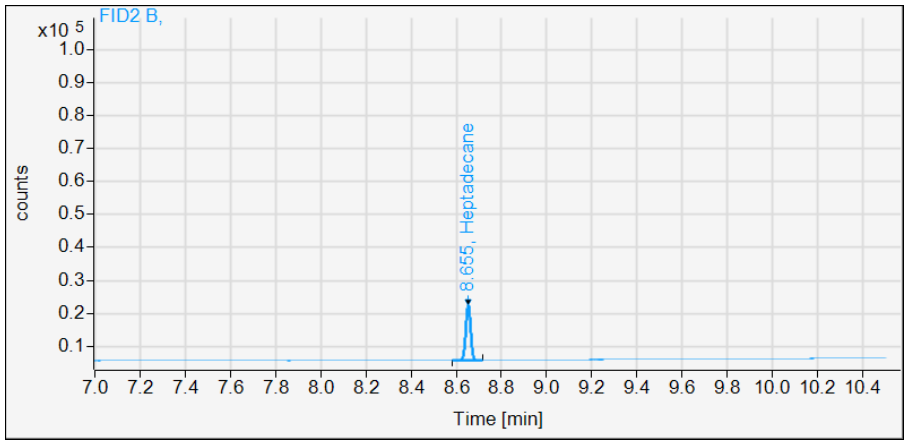
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.67	24771.5	1	47.97	47.97	ug/ml
Diethylene glycol	BB	10.56	3402.1	1	28.07	28.07	ug/ml

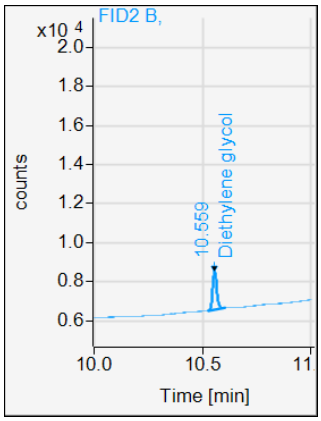
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082114A\089B0501.D
Sample name:	TSC04-175-07 Cal Std#4
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/21/2014 12:19:07 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	8/26/2014 11:03:50 AM
Instrument:	Ricky
Sequence_Name	R082114A
Acq. operator:	Sherri Brown

Sample type:	Calibration
Location:	89
Injection volume:	1.000
Injection:	1 of 1
File_Version	4





Signal: FID2 B,

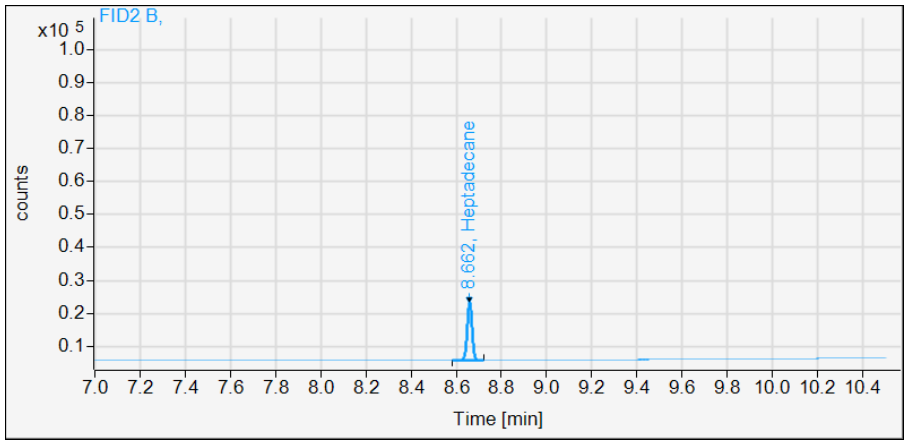
Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.66	24901.9	1	47.97	47.97	ug/ml
Diethylene glycol	BB	10.56	2653.1	1	21.98	21.98	ug/ml

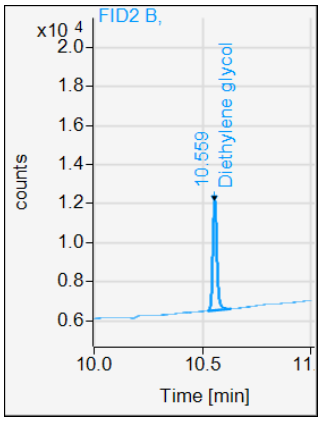
Chromatogram Report

Enthalpy Analytical, Inc.

Data file:	C:\Chem32\1\DATA\R082114A\090B0601.D
Sample name:	TSC04-175-08 Cal Std#5
File_Location	\TSC Data\2014\Ricky\Quarter 3
Injection date:	8/21/2014 12:37:38 PM
Acq. method:	GLYCOLS060313.M
Analysis method:	R082114A DEG.M
Last changed:	8/26/2014 11:03:50 AM
Instrument:	Ricky
Sequence_Name	R082114A
Acq. operator:	Sherri Brown

Sample type:	Calibration
Location:	90
Injection volume:	1.000
Injection:	1 of 1
File_Version	4





Signal: FID2 B,

Name	Peak Type	RT [min]	Area	Dil	ug/mL	Sample_Amount	Units
Heptadecane	BB	8.66	26246.0	1	47.97	47.97	ug/ml
Diethylene glycol	BB	10.56	7468.7	1	57.18	57.18	ug/ml

Raw Data

Quantitative Analysis Summary Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Quantitation Results

Target Compound *1,3-Butadiene*

SampleName	Sample Type	LevelName	Data File	AcqDateTime	Compound	Exp Conc (µg/mL)	Dilution	Final Conc (µg/mL)	Accuracy	2nd An. Review
VOA CAL STD#1	Calibration	1	A1401615.D	2014-09-02T15:42:32-04:00	1,3-Butadiene	0.8	1	0.907185545	113.3981931	SSB 9/4/14
VOA CAL STD#2	Calibration	2	A1401616.D	2014-09-02T16:09:08-04:00	1,3-Butadiene	1.999	1	1.891141182	94.60436129	SSB 9/4/14
VOA CAL STD#3	Calibration	3	A1401617.D	2014-09-02T16:35:53-04:00	1,3-Butadiene	3.994	1	3.765751969	94.28522706	SSB 9/4/14
VOA CAL STD#4	Calibration	4	A1401618.D	2014-09-02T17:02:43-04:00	1,3-Butadiene	7.972	1	7.724010903	96.88924866	SSB 9/4/14
VOA CAL STD#5	Calibration	5	A1401619.D	2014-09-02T17:29:27-04:00	1,3-Butadiene	19.812	1	19.65489719	99.20703204	SSB 9/4/14
VOA CAL STD#6	Calibration	6	A1401620.D	2014-09-02T17:56:12-04:00	1,3-Butadiene	39.235	1	39.86901321	101.6159378	SSB 9/4/14
VOA CAL STD#5	QC	5	A1401625.D	2014-09-03T12:11:03-04:00	1,3-Butadiene	19.812	1	19.04859147	96.14673669	SSB 9/4/14
0814-52 Blank02	Blank		A1401626.D	2014-09-03T12:37:38-04:00	1,3-Butadiene		1	0		SSB 9/4/14
0814-52-01	Sample		A1401627.D	2014-09-03T13:04:20-04:00	1,3-Butadiene		11	0		SSB 9/4/14
0814-52-01MS	Sample		A1401628.D	2014-09-03T13:31:10-04:00	1,3-Butadiene		1	3.273274791		SSB 9/4/14
VOA CAL STD#5	QC	5	A1401629.D	2014-09-03T13:58:05-04:00	1,3-Butadiene	19.812	1	19.25438115	97.18544897	SSB 9/4/14

Target Compound *Acrylonitrile*

SampleName	Sample Type	LevelName	Data File	AcqDateTime	Compound	Exp Conc (µg/mL)	Dilution	Final Conc (µg/mL)	Accuracy	2nd An. Review
VOA CAL STD#1	Calibration	1	A1401615.D	2014-09-02T15:42:32-04:00	Acrylonitrile	0.8	1	0.979608601	122.4510752	SSB 9/4/14
VOA CAL STD#2	Calibration	2	A1401616.D	2014-09-02T16:09:08-04:00	Acrylonitrile	1.998	1	1.700492182	85.10971884	SSB 9/4/14
VOA CAL STD#3	Calibration	3	A1401617.D	2014-09-02T16:35:53-04:00	Acrylonitrile	3.992	1	3.789080626	94.91684936	SSB 9/4/14
VOA CAL STD#4	Calibration	4	A1401618.D	2014-09-02T17:02:43-04:00	Acrylonitrile	7.968	1	7.637083475	95.84693116	SSB 9/4/14
VOA CAL STD#5	Calibration	5	A1401619.D	2014-09-02T17:29:27-04:00	Acrylonitrile	19.802	1	19.80740566	100.0272986	SSB 9/4/14
VOA CAL STD#6	Calibration	6	A1401620.D	2014-09-02T17:56:12-04:00	Acrylonitrile	39.216	1	39.86232945	101.6481269	SSB 9/4/14
VOA CAL STD#5	QC	5	A1401625.D	2014-09-03T12:11:03-04:00	Acrylonitrile	19.802	1	20.47065126	103.3766855	SSB 9/4/14
0814-52 Blank02	Blank		A1401626.D	2014-09-03T12:37:38-04:00	Acrylonitrile		1			SSB 9/4/14
0814-52-01	Sample		A1401627.D	2014-09-03T13:04:20-04:00	Acrylonitrile		11			SSB 9/4/14
0814-52-01MS	Sample		A1401628.D	2014-09-03T13:31:10-04:00	Acrylonitrile		1	2.976456772		SSB 9/4/14
VOA CAL STD#5	QC	5	A1401629.D	2014-09-03T13:58:05-04:00	Acrylonitrile	19.802	1	19.60769283	99.01874977	SSB 9/4/14

Target Compound *Isoprene*

SampleName	Sample Type	LevelName	Data File	AcqDateTime	Compound	Exp Conc (µg/mL)	Dilution	Final Conc (µg/mL)	Accuracy	2nd An. Review
VOA CAL STD#1	Calibration	1	A1401615.D	2014-09-02T15:42:32-04:00	Isoprene	7.997	1	8.959855557	112.0402095	SSB 9/4/14
VOA CAL STD#2	Calibration	2	A1401616.D	2014-09-02T16:09:08-04:00	Isoprene	19.98	1	18.13998614	90.79072141	SSB 9/4/14
VOA CAL STD#3	Calibration	3	A1401617.D	2014-09-02T16:35:53-04:00	Isoprene	39.92	1	39.21861338	98.24301949	SSB 9/4/14
VOA CAL STD#4	Calibration	4	A1401618.D	2014-09-02T17:02:43-04:00	Isoprene	79.681	1	78.24269788	98.19492461	SSB 9/4/14
VOA CAL STD#5	Calibration	5	A1401619.D	2014-09-02T17:29:27-04:00	Isoprene	198.02	1	197.8673166	99.92289497	SSB 9/4/14
VOA CAL STD#6	Calibration	6	A1401620.D	2014-09-02T17:56:12-04:00	Isoprene	392.157	1	395.3265304	100.80823	SSB 9/4/14
VOA CAL STD#5	QC	5	A1401625.D	2014-09-03T12:11:03-04:00	Isoprene	198.02	1	191.9440196	96.93163298	SSB 9/4/14
0814-52 Blank02	Blank		A1401626.D	2014-09-03T12:37:38-04:00	Isoprene		1			SSB 9/4/14
0814-52-01	Sample		A1401627.D	2014-09-03T13:04:20-04:00	Isoprene		11			SSB 9/4/14
0814-52-01MS	Sample		A1401628.D	2014-09-03T13:31:10-04:00	Isoprene		1	31.47062191		SSB 9/4/14

VOA CAL STD#5	QC	5	A1401629.D	2014-09-03T13:58:05-04:00	Isoprene	198.02	1	195.8483408	98.90331318	SSB 9/4/14

Target Compound *Benzene*

SampleName	Sample Type	LevelName	Data File	AcqDateTime	Compound	Exp Conc (µg/mL)	Dilution	Final Conc (µg/mL)	Accuracy	2nd An. Review
VOA CAL STD#1	Calibration	1	A1401615.D	2014-09-02T15:42:32-04:00	Benzene	1	1	1.121429869	112.1429869	SSB 9/4/14
VOA CAL STD#2	Calibration	2	A1401616.D	2014-09-02T16:09:08-04:00	Benzene	2.498	1	2.222381922	88.96645004	SSB 9/4/14
VOA CAL STD#3	Calibration	3	A1401617.D	2014-09-02T16:35:53-04:00	Benzene	4.99	1	4.924905589	98.69550278	SSB 9/4/14
VOA CAL STD#4	Calibration	4	A1401618.D	2014-09-02T17:02:43-04:00	Benzene	9.96	1	9.900488657	99.40249655	SSB 9/4/14
VOA CAL STD#5	Calibration	5	A1401619.D	2014-09-02T17:29:27-04:00	Benzene	24.752	1	24.86390904	100.4521212	SSB 9/4/14
VOA CAL STD#6	Calibration	6	A1401620.D	2014-09-02T17:56:12-04:00	Benzene	49.02	1	49.18688492	100.3404425	SSB 9/4/14
VOA CAL STD#5	QC	5	A1401625.D	2014-09-03T12:11:03-04:00	Benzene	24.752	1	24.89705657	100.5860398	SSB 9/4/14
0814-52 Blank02	Blank		A1401626.D	2014-09-03T12:37:38-04:00	Benzene		1	0		SSB 9/4/14
0814-52-01	Sample		A1401627.D	2014-09-03T13:04:20-04:00	Benzene		11	0.147136642		SSB 9/4/14
0814-52-01MS	Sample		A1401628.D	2014-09-03T13:31:10-04:00	Benzene		1	3.938980335		SSB 9/4/14
VOA CAL STD#5	QC	5	A1401629.D	2014-09-03T13:58:05-04:00	Benzene	24.752	1	24.83812464	100.3479502	SSB 9/4/14

Target Compound *Toluene*

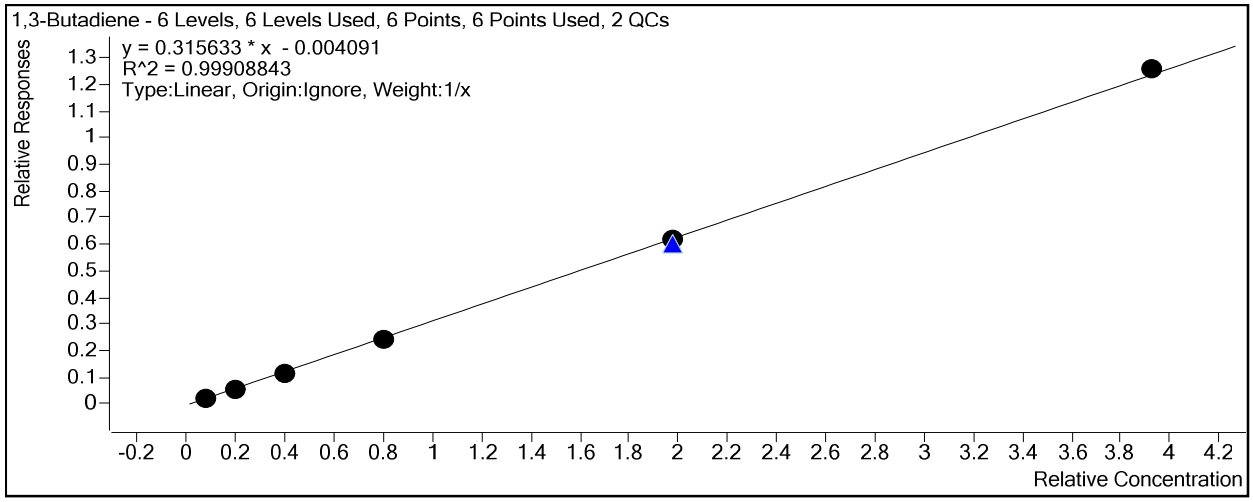
SampleName	Sample Type	LevelName	Data File	AcqDateTime	Compound	Exp Conc (µg/mL)	Dilution	Final Conc (µg/mL)	Accuracy	2nd An. Review
VOA CAL STD#1	Calibration	1	A1401615.D	2014-09-02T15:42:32-04:00	Toluene	1	1	1.119197001	111.9197001	SSB 9/4/14
VOA CAL STD#2	Calibration	2	A1401616.D	2014-09-02T16:09:08-04:00	Toluene	2.498	1	2.227967575	89.19005503	SSB 9/4/14
VOA CAL STD#3	Calibration	3	A1401617.D	2014-09-02T16:35:53-04:00	Toluene	4.99	1	4.919944395	98.59608007	SSB 9/4/14
VOA CAL STD#4	Calibration	4	A1401618.D	2014-09-02T17:02:43-04:00	Toluene	9.96	1	9.91585375	99.55676456	SSB 9/4/14
VOA CAL STD#5	Calibration	5	A1401619.D	2014-09-02T17:29:27-04:00	Toluene	24.752	1	24.85035966	100.3973806	SSB 9/4/14
VOA CAL STD#6	Calibration	6	A1401620.D	2014-09-02T17:56:12-04:00	Toluene	49.02	1	49.18667762	100.3400196	SSB 9/4/14
VOA CAL STD#5	QC	5	A1401625.D	2014-09-03T12:11:03-04:00	Toluene	24.752	1	24.85355907	100.4103065	SSB 9/4/14
0814-52 Blank02	Blank		A1401626.D	2014-09-03T12:37:38-04:00	Toluene		1	0		SSB 9/4/14
0814-52-01	Sample		A1401627.D	2014-09-03T13:04:20-04:00	Toluene		11	0.910111655		SSB 9/4/14
0814-52-01MS	Sample		A1401628.D	2014-09-03T13:31:10-04:00	Toluene		1	4.113784202		SSB 9/4/14
VOA CAL STD#5	QC	5	A1401629.D	2014-09-03T13:58:05-04:00	Toluene	24.752	1	24.98858854	100.955836	SSB 9/4/14

Quantitative Analysis Calibration Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

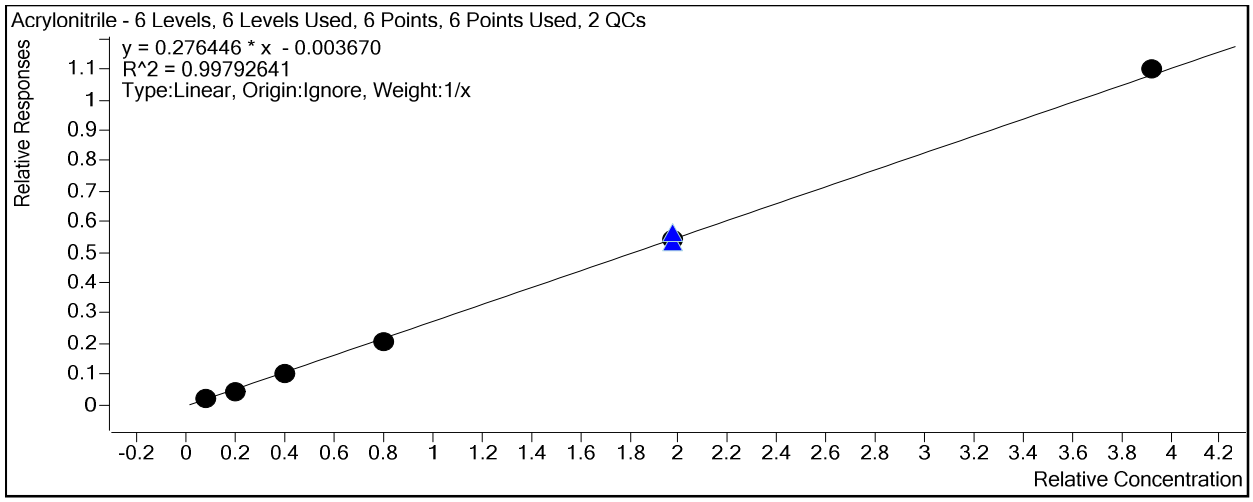
Calibration Info

Target Compound *1,3-Butadiene*



Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
T:\Atticus\gcms2014q3\sep14\A	Calibration	1	☑	679	0.8000	0.3068
T:\Atticus\gcms2014q3\sep14\A	Calibration	2	☑	1684	1.9990	0.2781
T:\Atticus\gcms2014q3\sep14\A	Calibration	3	☑	3187	3.9940	0.2874
T:\Atticus\gcms2014q3\sep14\A	Calibration	4	☑	6593	7.9720	0.3007
T:\Atticus\gcms2014q3\sep14\A	Calibration	5	☑	17579	19.8120	0.3111
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	13856	19.8120	0.3014
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	13721	19.8120	0.3047
T:\Atticus\gcms2014q3\sep14\A	Calibration	6	☑	32544	39.2350	0.3197

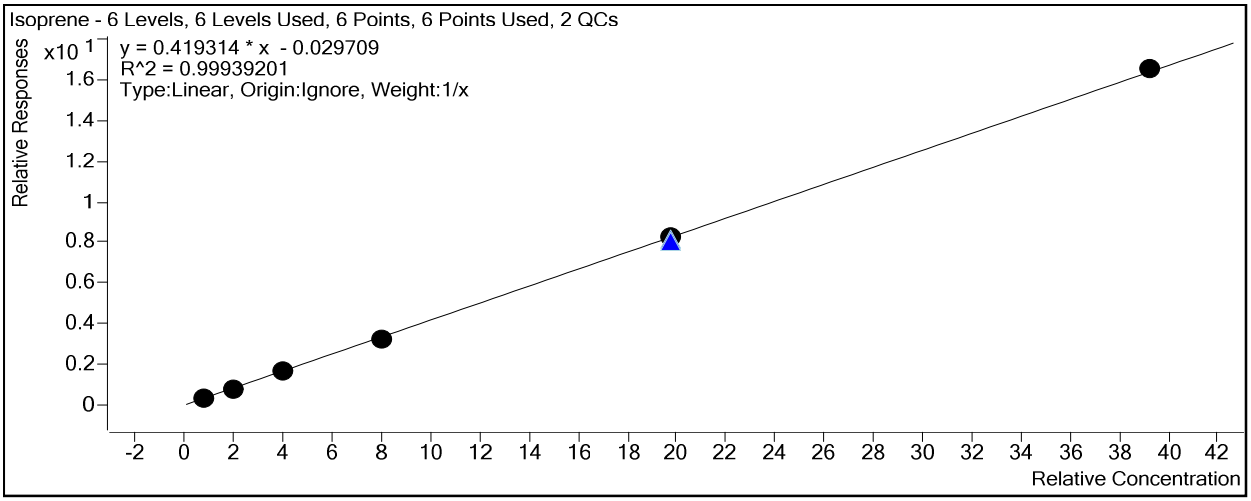
Target Compound *Acrylonitrile*



Quantitative Analysis Calibration Report

Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
T:\Atticus\gcms2014q3\sep14\A	Calibration	1	☑	648	0.8000	0.2926
T:\Atticus\gcms2014q3\sep14\A	Calibration	2	☑	1313	1.9980	0.2169
T:\Atticus\gcms2014q3\sep14\A	Calibration	3	☑	2807	3.9920	0.2532
T:\Atticus\gcms2014q3\sep14\A	Calibration	4	☑	5706	7.9680	0.2604
T:\Atticus\gcms2014q3\sep14\A	Calibration	5	☑	15514	19.8020	0.2747
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	13046	19.8020	0.2839
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	12238	19.8020	0.2719
T:\Atticus\gcms2014q3\sep14\A	Calibration	6	☑	28496	39.2160	0.2801

Target Compound *Isoprene*



Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
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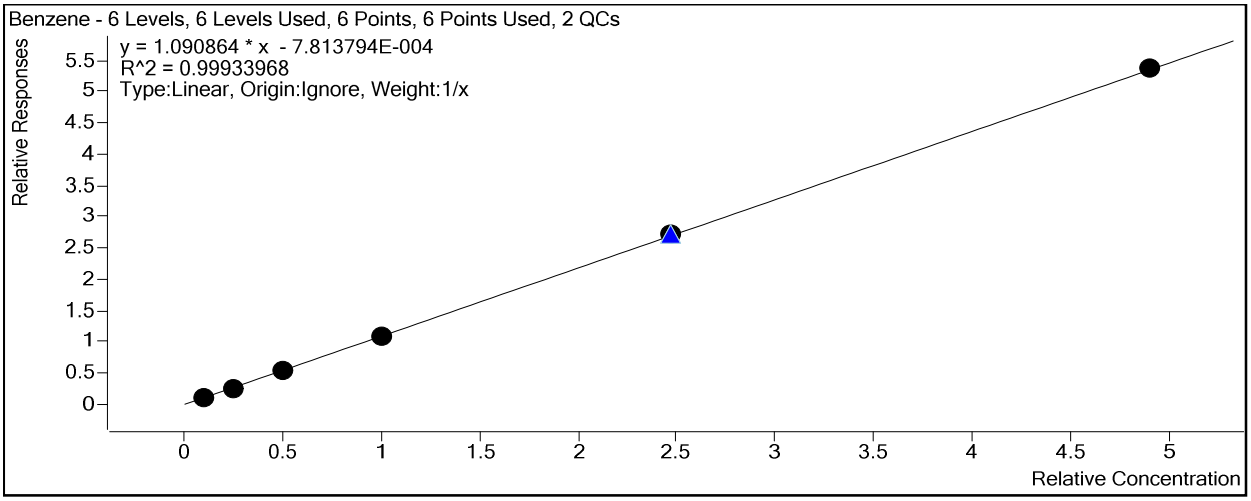
T:\Atticus\gcms2014q3\sep14\A	Calibration	2	☑	22143	19.9800	0.3658
T:\Atticus\gcms2014q3\sep14\A	Calibration	3	☑	44844	39.9200	0.4045
T:\Atticus\gcms2014q3\sep14\A	Calibration	4	☑	89420	79.6810	0.4080
T:\Atticus\gcms2014q3\sep14\A	Calibration	5	☑	235812	198.0200	0.4175
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	186068	198.0200	0.4049
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	185998	198.0200	0.4132
T:\Atticus\gcms2014q3\sep14\A	Calibration	6	☑	429318	392.1570	0.4219

ISTD Compound *Benzene-d6*

Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
T:\Atticus\gcms2014q3\sep14\A	Calibration	1	☑	27673	10.0000	2767.2640
T:\Atticus\gcms2014q3\sep14\A	Calibration	2	☑	30295	10.0000	3029.5098
T:\Atticus\gcms2014q3\sep14\A	Calibration	3	☑	27771	10.0000	2777.0827
T:\Atticus\gcms2014q3\sep14\A	Calibration	4	☑	27504	10.0000	2750.4423
T:\Atticus\gcms2014q3\sep14\A	Calibration	5	☑	28524	10.0000	2852.3962
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	23204	10.0000	2320.4115
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	22731	10.0000	2273.1196
T:\Atticus\gcms2014q3\sep14\A	Calibration	6	☑	25946	10.0000	2594.5556

Target Compound *Benzene*

Quantitative Analysis Calibration Report



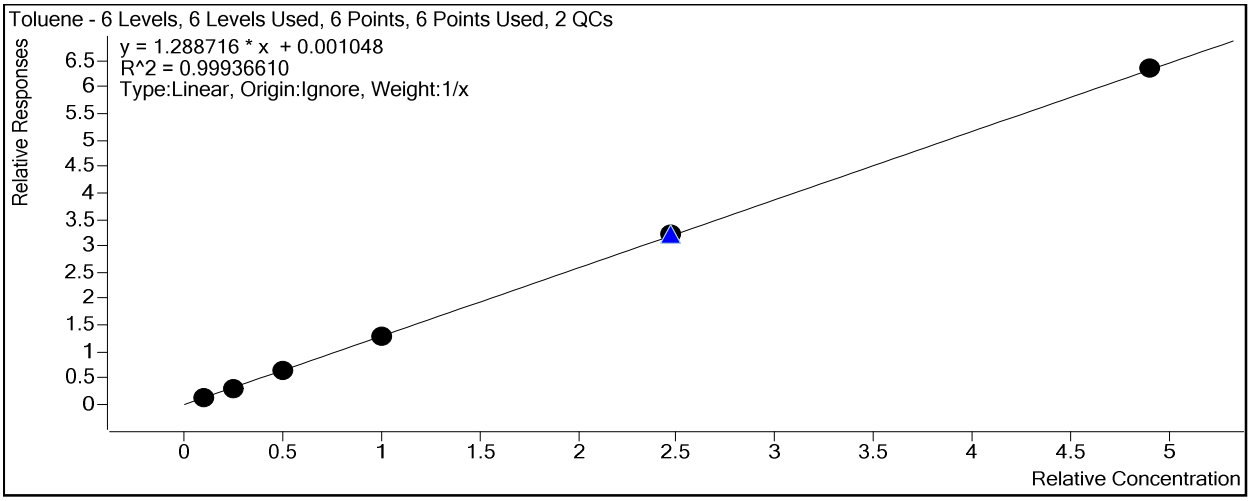
Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
T:\Atticus\gcms2014q3\sep14\A	Calibration	1	☑	3364	1.0000	1.2155
T:\Atticus\gcms2014q3\sep14\A	Calibration	2	☑	7321	2.4980	0.9674
T:\Atticus\gcms2014q3\sep14\A	Calibration	3	☑	14898	4.9900	1.0751
T:\Atticus\gcms2014q3\sep14\A	Calibration	4	☑	29684	9.9600	1.0836
T:\Atticus\gcms2014q3\sep14\A	Calibration	5	☑	77344	24.7520	1.0955
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	63003	24.7520	1.0969
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	61572	24.7520	1.0943
T:\Atticus\gcms2014q3\sep14\A	Calibration	6	☑	139194	49.0200	1.0944

ISTD Compound *Toluene-d8*

Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
T:\Atticus\gcms2014q3\sep14\A	Calibration	1	☑	21281	10.0000	2128.1280
T:\Atticus\gcms2014q3\sep14\A	Calibration	2	☑	22773	10.0000	2277.3142
T:\Atticus\gcms2014q3\sep14\A	Calibration	3	☑	20877	10.0000	2087.7196
T:\Atticus\gcms2014q3\sep14\A	Calibration	4	☑	20490	10.0000	2048.9698
T:\Atticus\gcms2014q3\sep14\A	Calibration	5	☑	21294	10.0000	2129.4400
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	17695	10.0000	1769.4902
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	17185	10.0000	1718.4612
T:\Atticus\gcms2014q3\sep14\A	Calibration	6	☑	19359	10.0000	1935.9334

Target Compound *Toluene*

Quantitative Analysis Calibration Report



Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
T:\Atticus\gcms2014q3\sep14\A	Calibration	1	☑	3092	1.0000	1.4528
T:\Atticus\gcms2014q3\sep14\A	Calibration	2	☑	6563	2.4980	1.1536
T:\Atticus\gcms2014q3\sep14\A	Calibration	3	☑	13259	4.9900	1.2727
T:\Atticus\gcms2014q3\sep14\A	Calibration	4	☑	26205	9.9600	1.2841
T:\Atticus\gcms2014q3\sep14\A	Calibration	5	☑	68218	24.7520	1.2943
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	56694	24.7520	1.2944
T:\Atticus\gcms2014q3\sep14\A	QC	5	☑	55358	24.7520	1.3015
T:\Atticus\gcms2014q3\sep14\A	Calibration	6	☑	122735	49.0200	1.2933

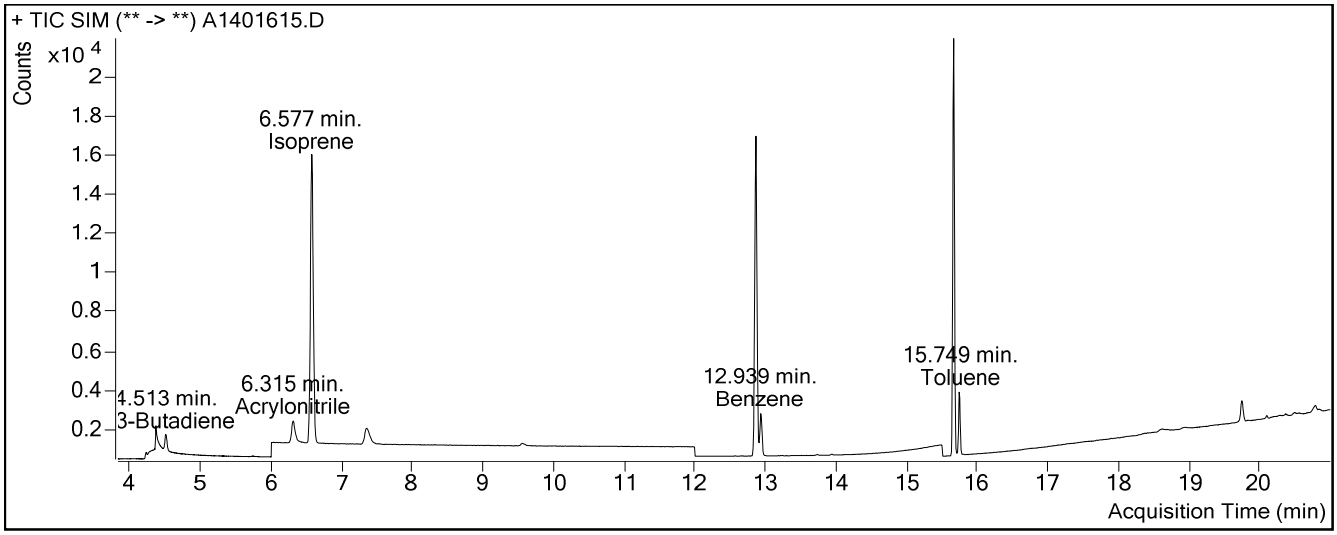
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-02 15:42	**Data File**	A1401615.D
Position	1	**Sample Name**	VOA CAL STD#1
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Calibration	**Comment**	TSCStd-0090-01

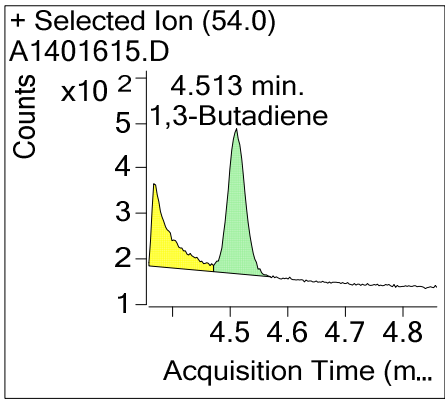
Sample Chromatogram

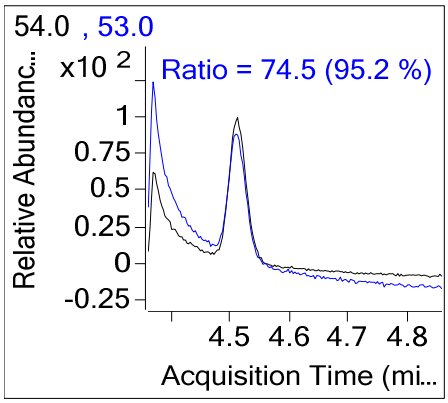


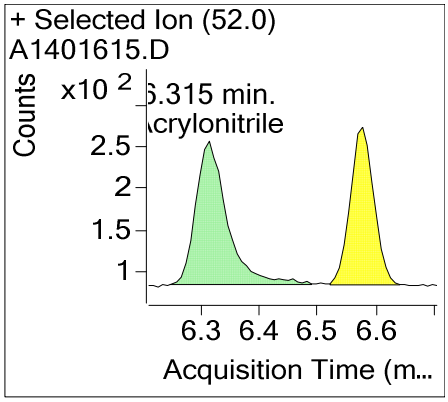
Quantitation Results

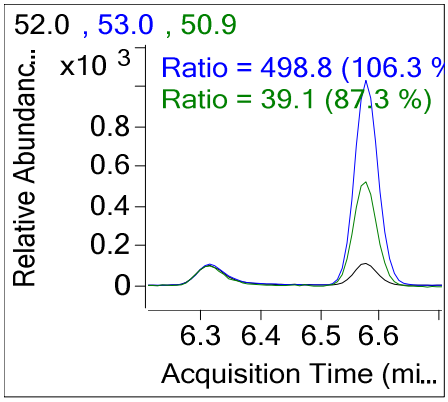
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.513	0.9072	113.40
Acrylonitrile	Benzene-d6	6.315	0.9796	122.45
Isoprene	Benzene-d6	6.577	8.9599	112.04
Benzene	Benzene-d6	12.939	1.1214	112.14
Toluene	Toluene-d8	15.749	1.1192	111.92

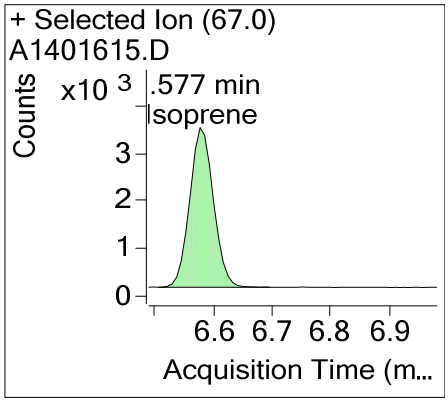
Compound Graphics

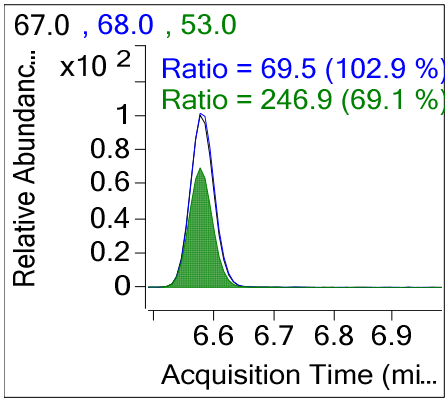


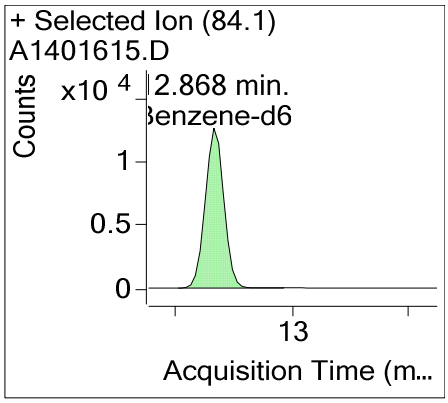


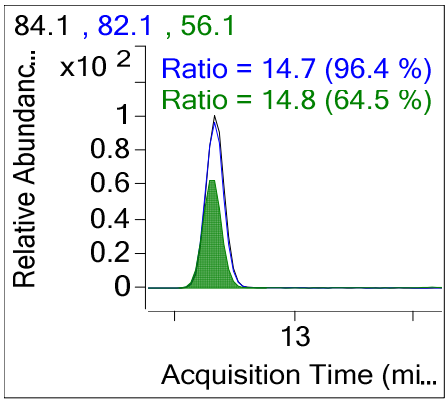


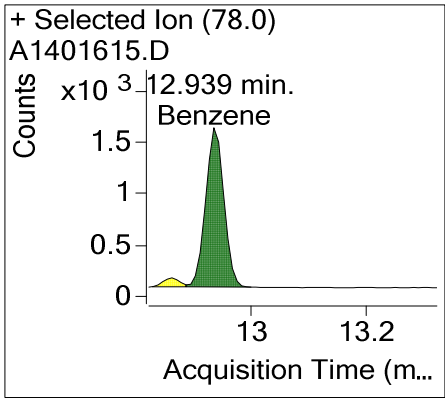


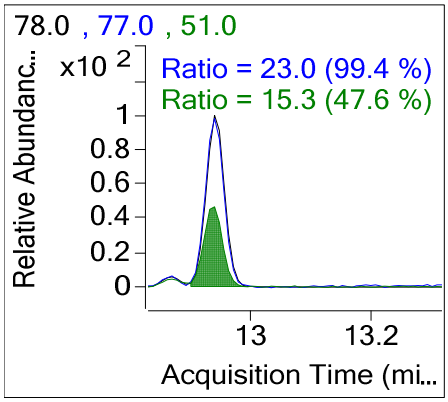


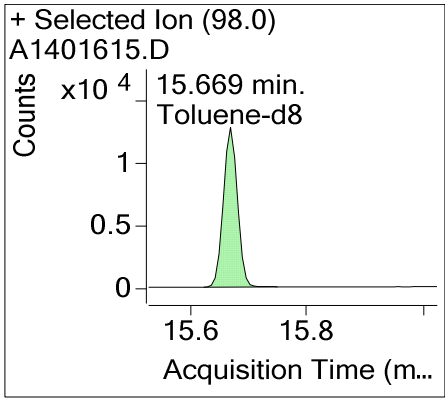


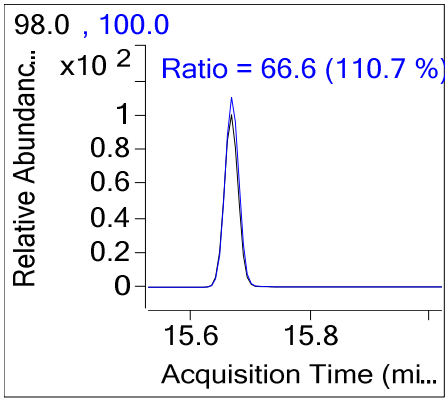


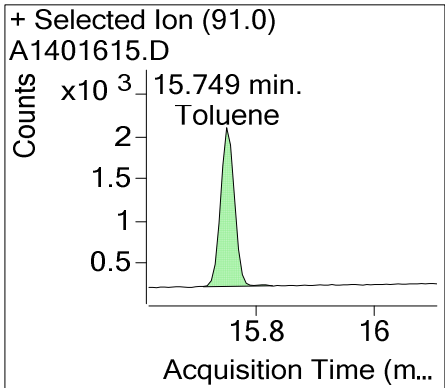


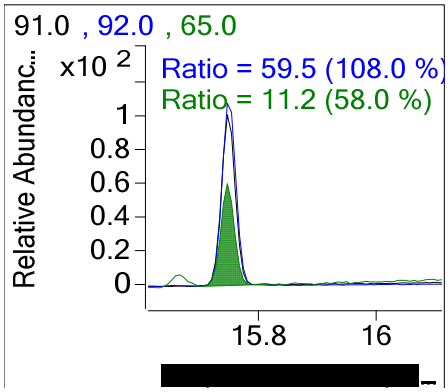

+ Selected Ion (78.0)
A1401615.D
Counts
x10 3
12.939 min.
Benzene
1.5
1
0.5
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 23.0 (99.4 %)
Ratio = 15.3 (47.6 %)
1
0.8
0.6
0.4
0.2
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401615.D
Counts
x10 4
15.669 min.
Toluene-d8
1
0.5
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 66.6 (110.7 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401615.D
Counts
x10 3
15.749 min.
Toluene
2
1.5
1
0.5
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 59.5 (108.0 %)
Ratio = 11.2 (58.0 %)
1
0.8
0.6
0.4
0.2
0
15.8
16

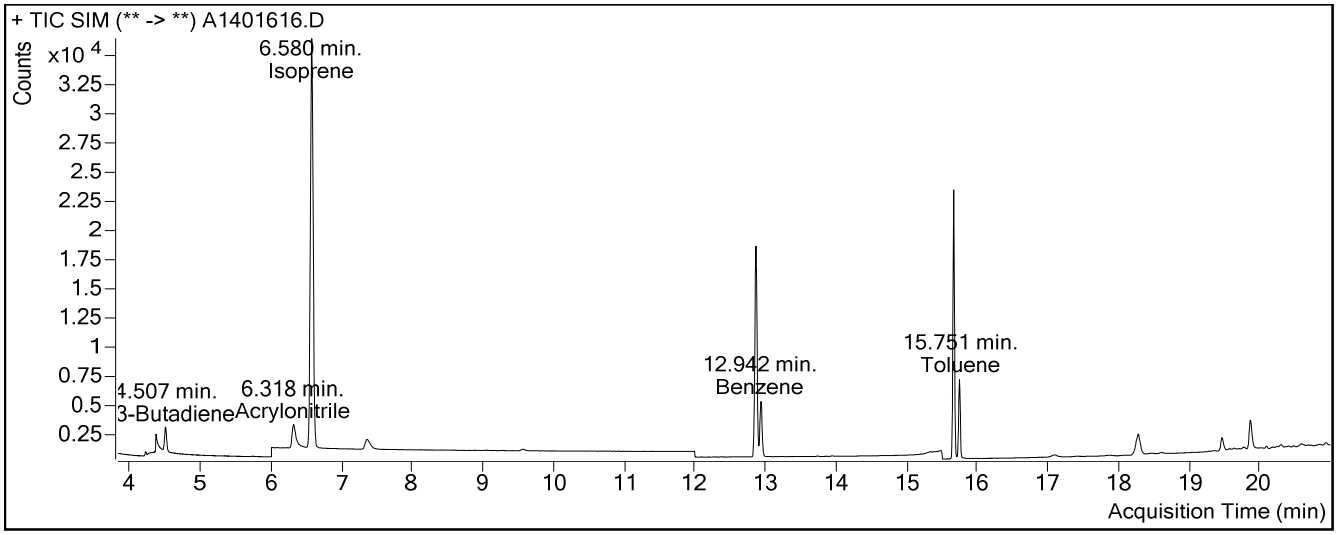
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-02 16:09	**Data File**	A1401616.D
Position	2	**Sample Name**	VOA CAL STD#2
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Calibration	**Comment**	TSCStd-0090-02

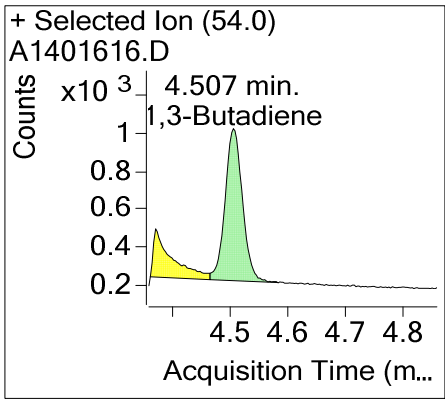
Sample Chromatogram

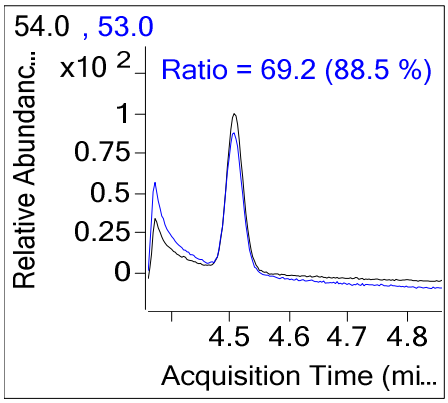


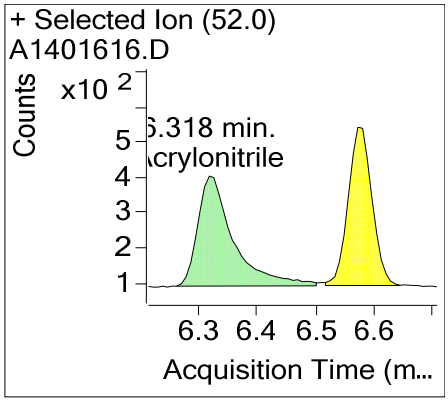
Quantitation Results

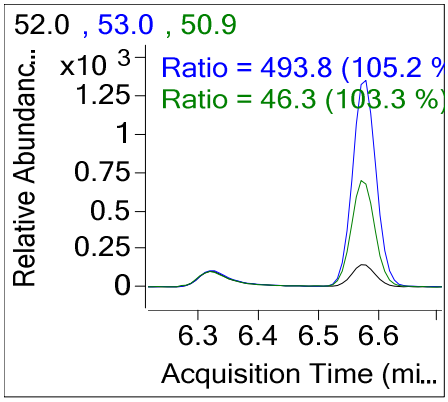
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.507	1.8911	94.60
Acrylonitrile	Benzene-d6	6.318	1.7005	85.11
Isoprene	Benzene-d6	6.580	18.1400	90.79
Benzene	Benzene-d6	12.942	2.2224	88.97
Toluene	Toluene-d8	15.751	2.2280	89.19

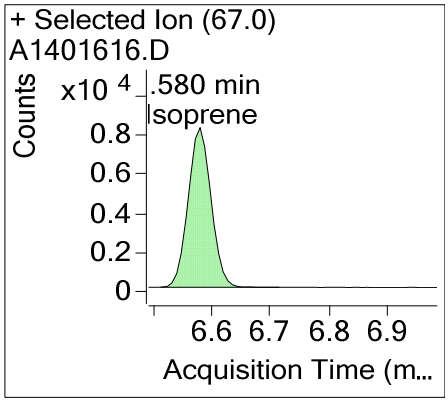
Compound Graphics

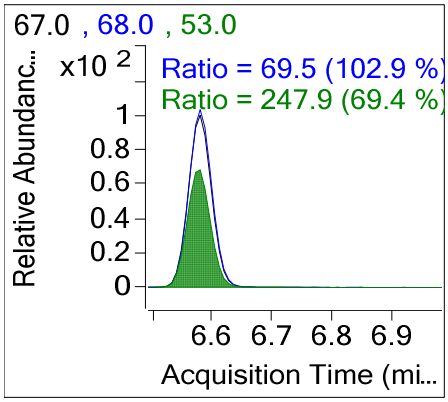


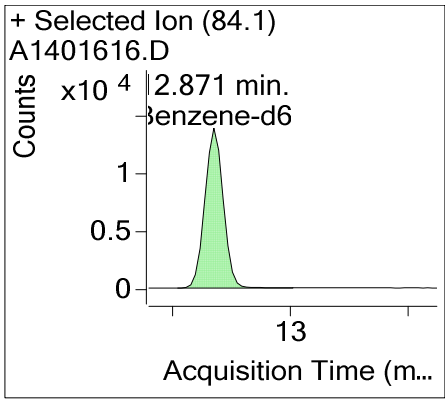


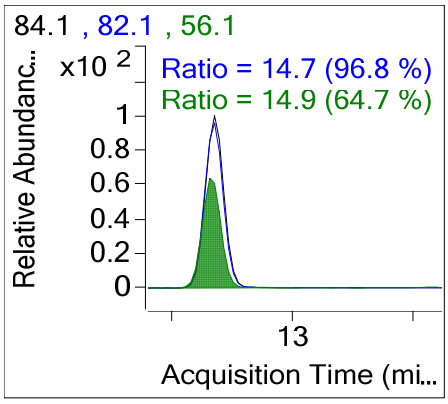


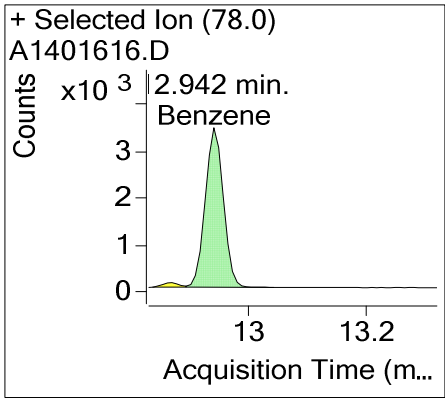


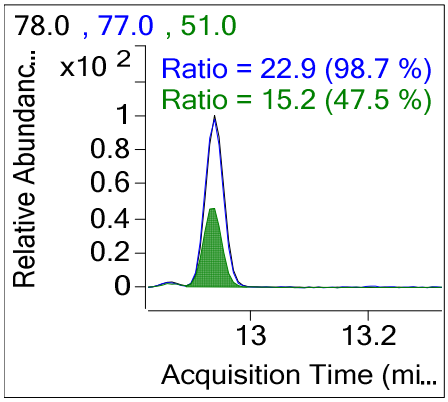


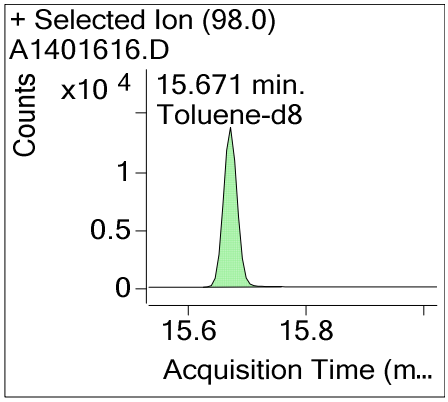


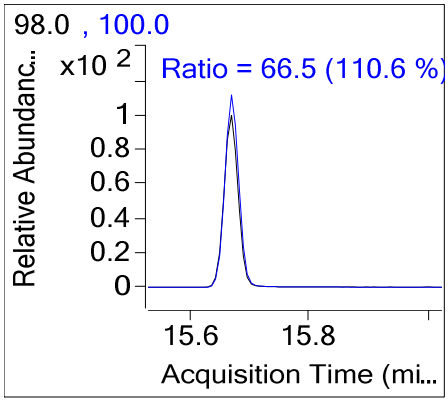


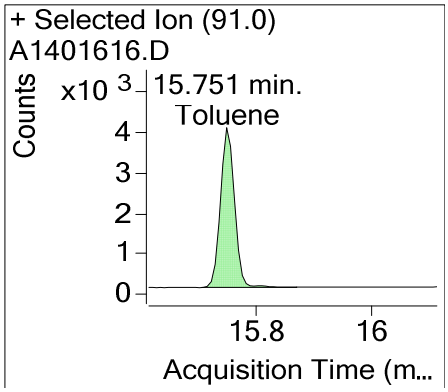


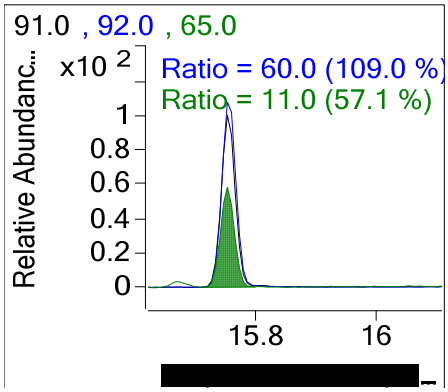

+ Selected Ion (78.0)
A1401616.D
Counts
x10 3
2.942 min.
Benzene
3
2
1
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 22.9 (98.7 %)
Ratio = 15.2 (47.5 %)
1
0.8
0.6
0.4
0.2
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401616.D
Counts
x10 4
15.671 min.
Toluene-d8
1
0.5
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 66.5 (110.6 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401616.D
Counts
x10 3
15.751 min.
Toluene
4
3
2
1
0
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 60.0 (109.0 %)
Ratio = 11.0 (57.1 %)
1
0.8
0.6
0.4
0.2
0
15.8
16

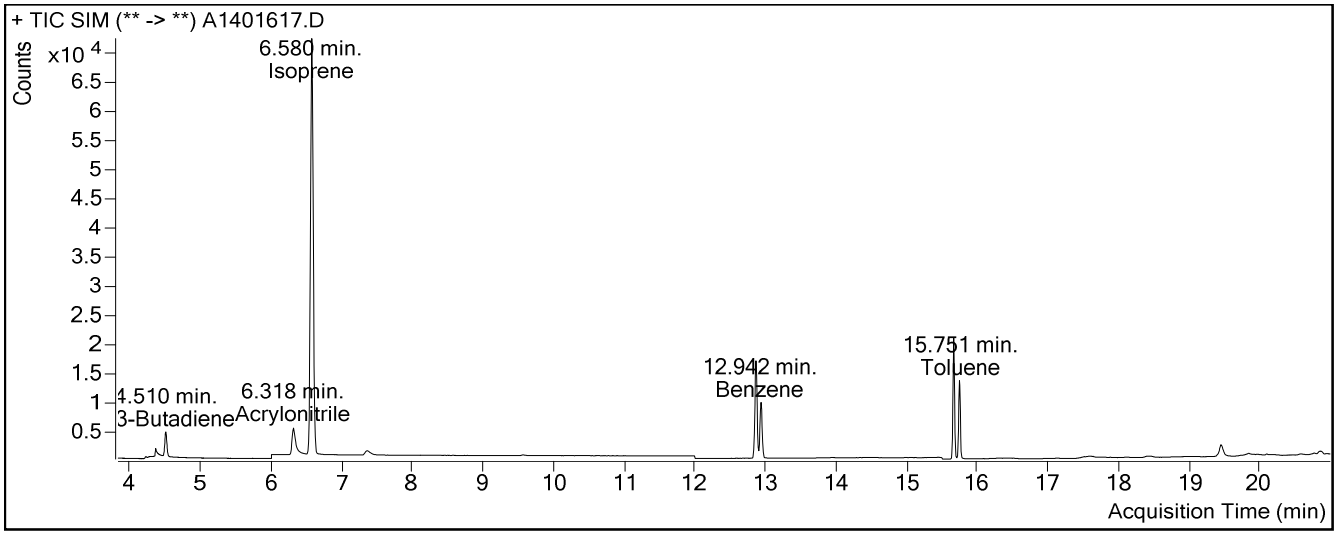
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-02 16:35	**Data File**	A1401617.D
Position	3	**Sample Name**	VOA CAL STD#3
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Calibration	**Comment**	TSCStd-0090-03

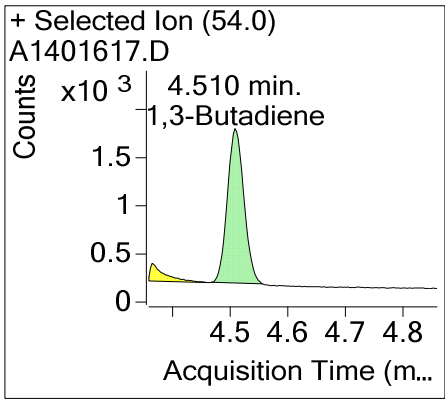
Sample Chromatogram

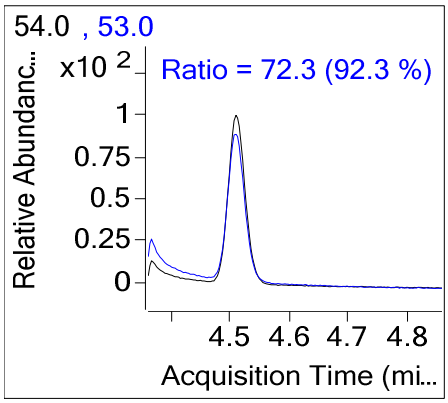


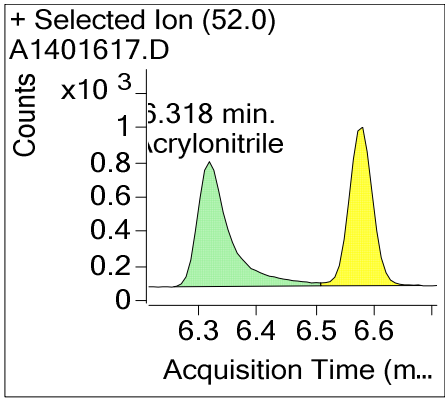
Quantitation Results

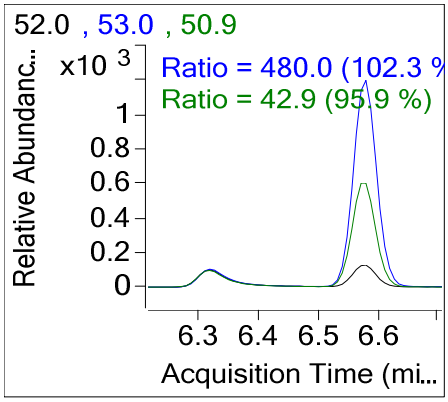
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.510	3.7658	94.29
Acrylonitrile	Benzene-d6	6.318	3.7891	94.92
Isoprene	Benzene-d6	6.580	39.2186	98.24
Benzene	Benzene-d6	12.942	4.9249	98.70
Toluene	Toluene-d8	15.751	4.9199	98.60

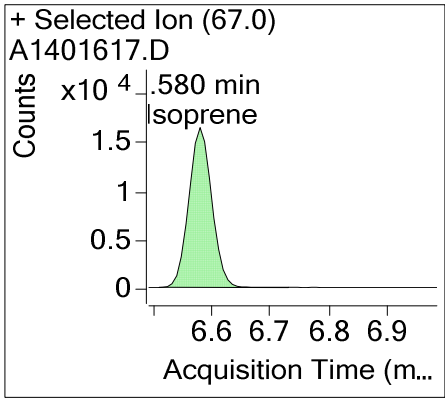
Compound Graphics

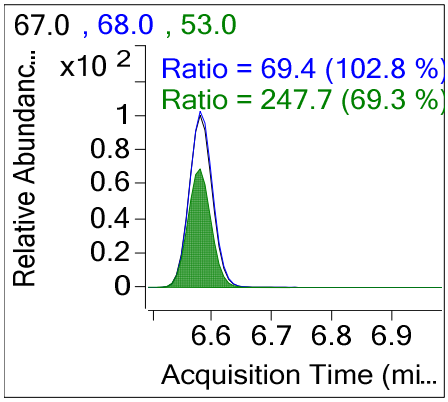


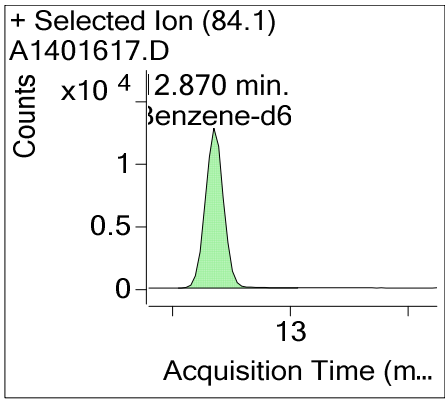


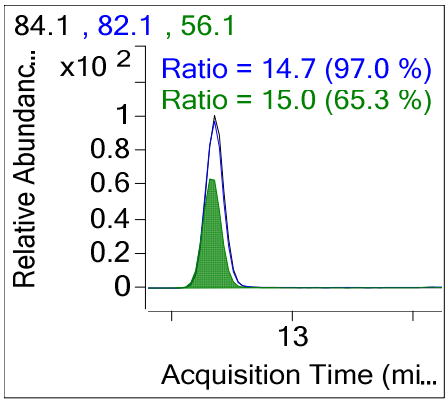


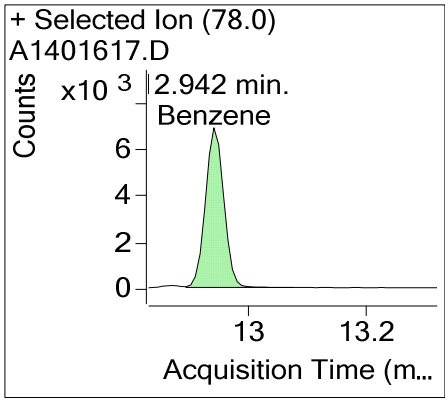


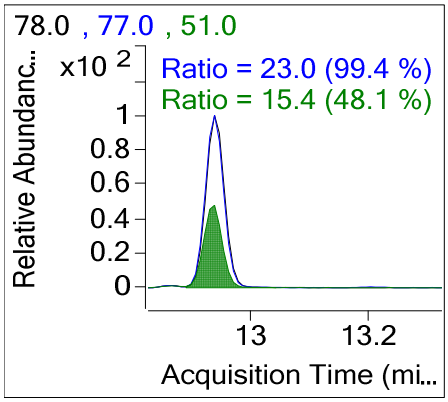


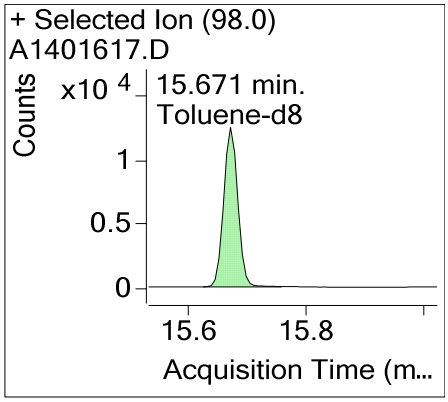


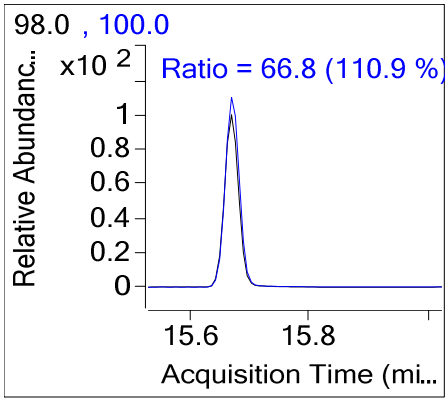


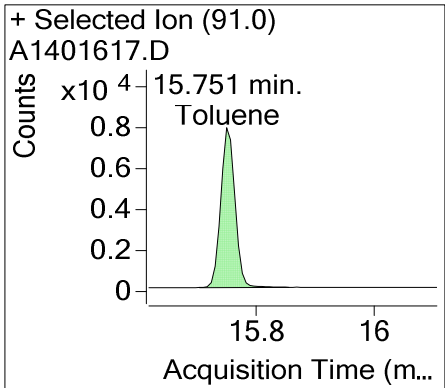


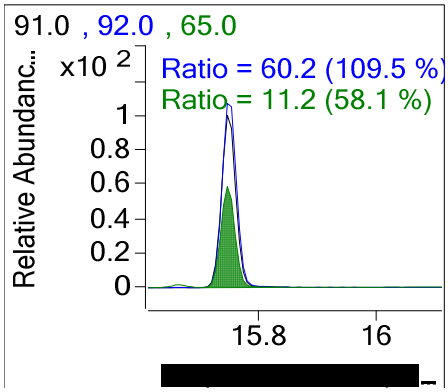

+ Selected Ion (78.0)
A1401617.D
Counts
x10 3
2.942 min.
Benzene
6
4
2
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 23.0 (99.4 %)
Ratio = 15.4 (48.1 %)
1
0.8
0.6
0.4
0.2
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401617.D
Counts
x10 4
15.671 min.
Toluene-d8
1
0.5
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 66.8 (110.9 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401617.D
Counts
x10 4
15.751 min.
Toluene
0.8
0.6
0.4
0.2
0
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 60.2 (109.5 %)
Ratio = 11.2 (58.1 %)
1
0.8
0.6
0.4
0.2
0
15.8
16

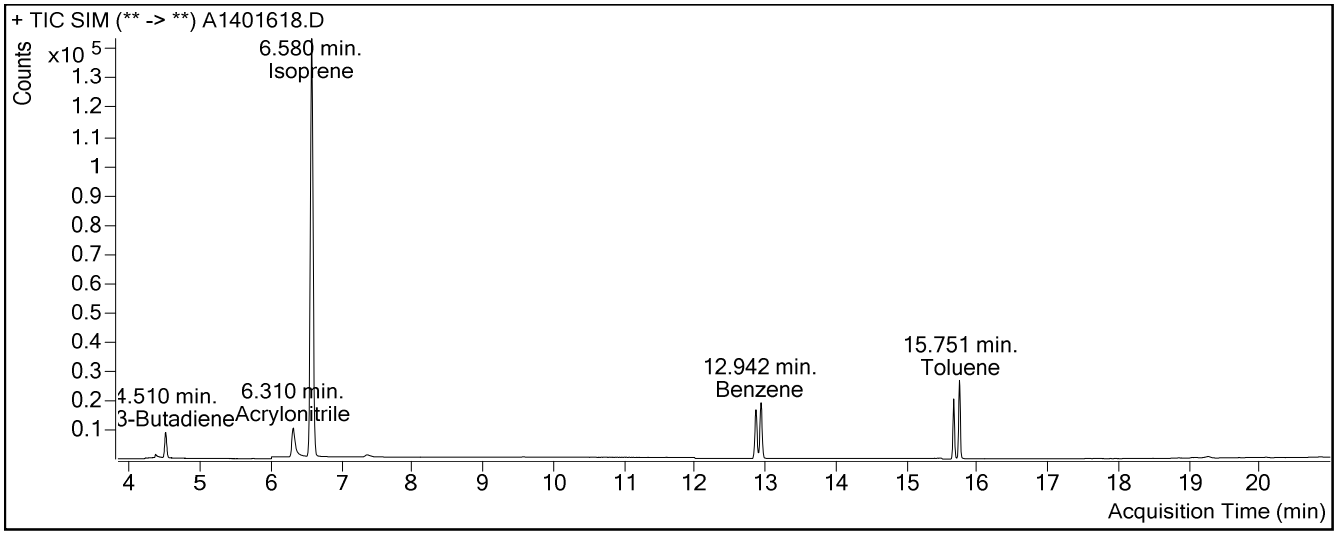
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-02 17:02	**Data File**	A1401618.D
Position	4	**Sample Name**	VOA CAL STD#4
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Calibration	**Comment**	TSCStd-0090-04

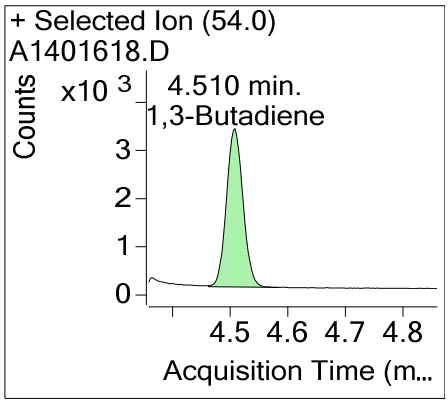
Sample Chromatogram

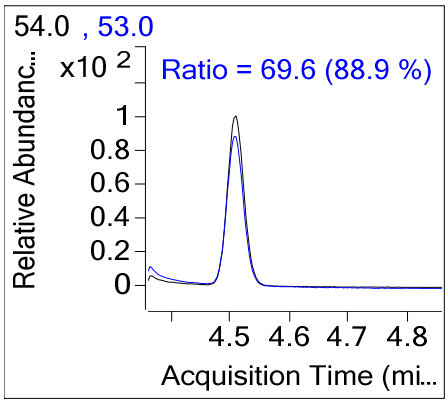


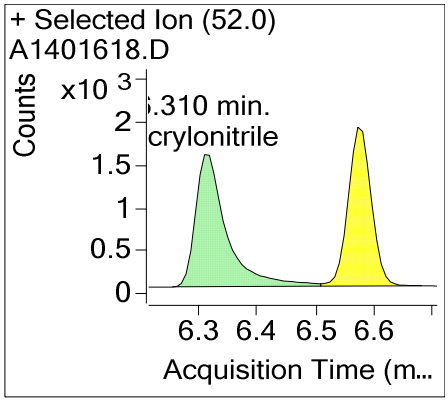
Quantitation Results

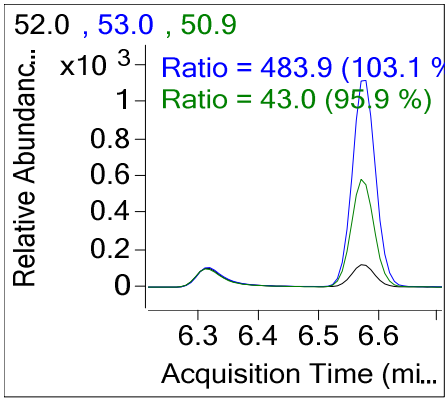
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.510	7.7240	96.89
Acrylonitrile	Benzene-d6	6.310	7.6371	95.85
Isoprene	Benzene-d6	6.580	78.2427	98.19
Benzene	Benzene-d6	12.942	9.9005	99.40
Toluene	Toluene-d8	15.751	9.9159	99.56

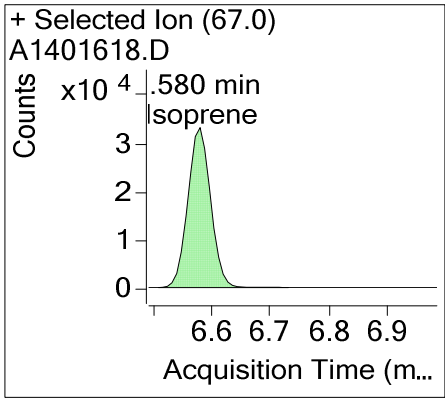
Compound Graphics

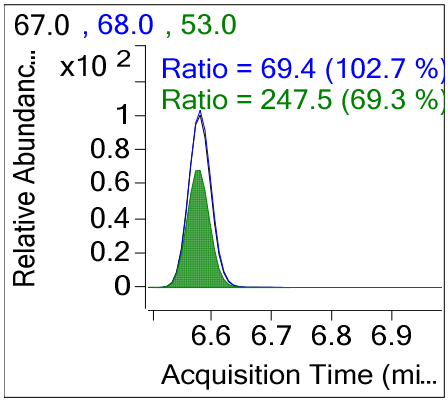


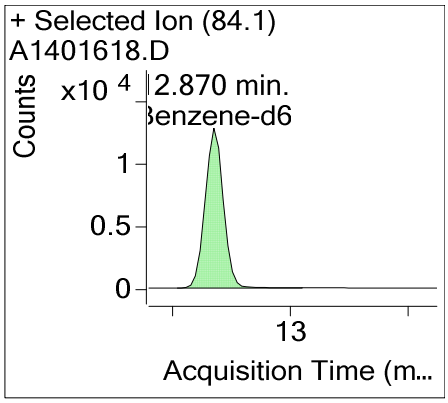


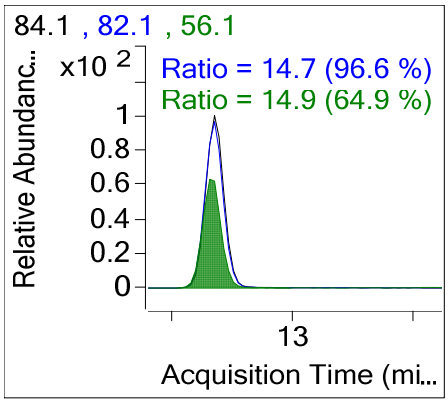


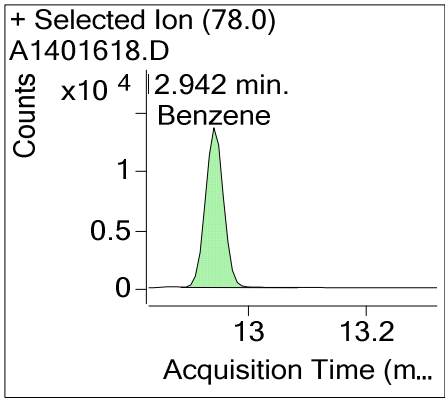


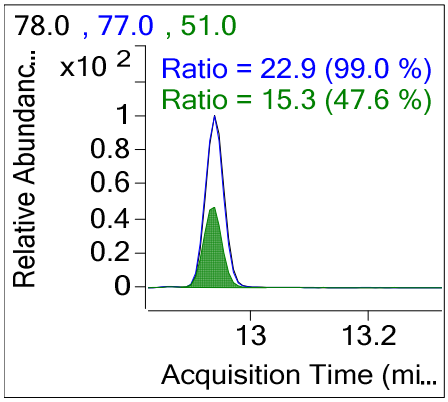


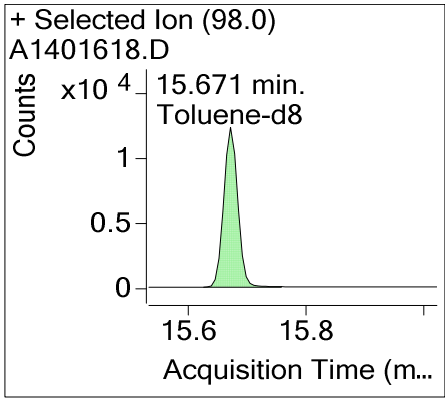


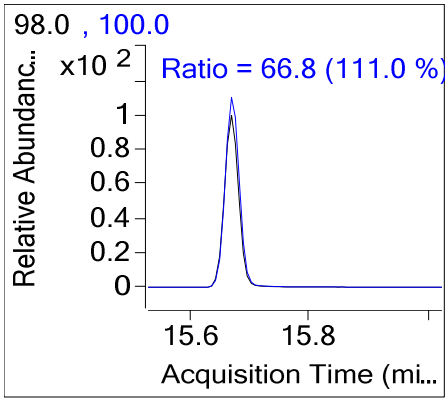


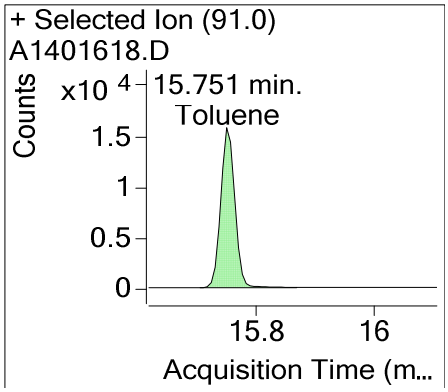


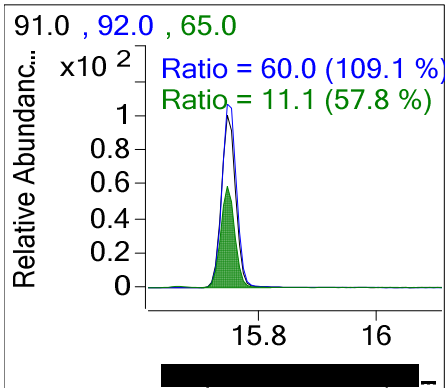

+ Selected Ion (78.0)
A1401618.D
Counts
x10 4
2.942 min.
Benzene
1
0.5
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 22.9 (99.0 %)
Ratio = 15.3 (47.6 %)
1
0.8
0.6
0.4
0.2
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401618.D
Counts
x10 4
15.671 min.
Toluene-d8
1
0.5
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 66.8 (111.0 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401618.D
Counts
x10 4
15.751 min.
Toluene
1.5
1
0.5
0
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 60.0 (109.1 %)
Ratio = 11.1 (57.8 %)
1
0.8
0.6
0.4
0.2
0
15.8
16

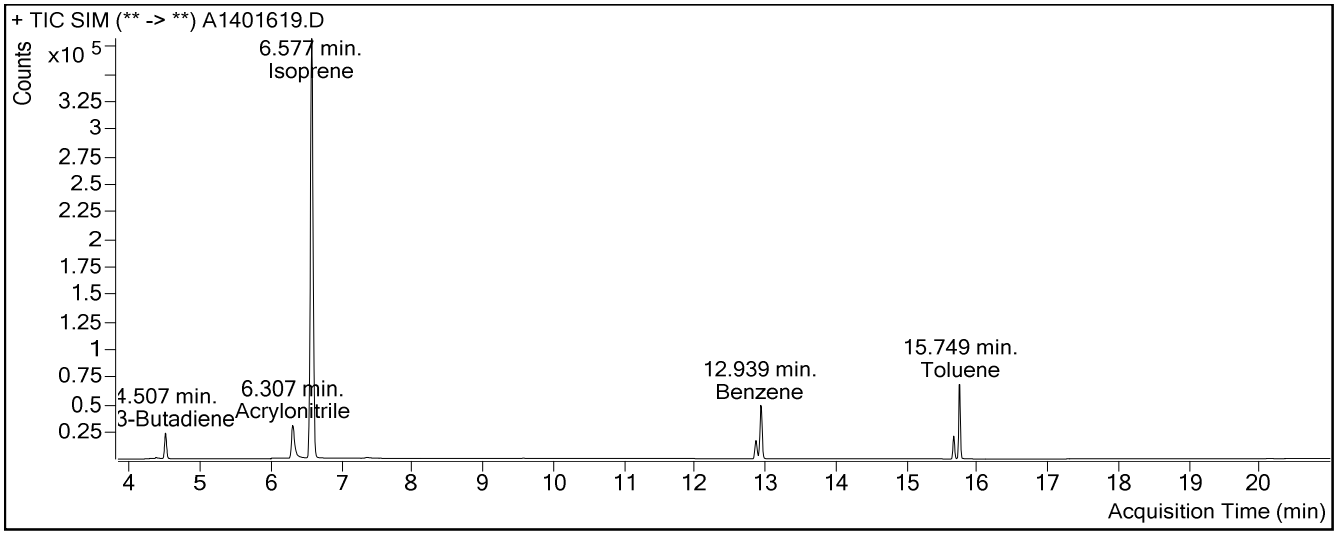
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-02 17:29	**Data File**	A1401619.D
Position	5	**Sample Name**	VOA CAL STD#5
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Calibration	**Comment**	TSCStd-0090-05

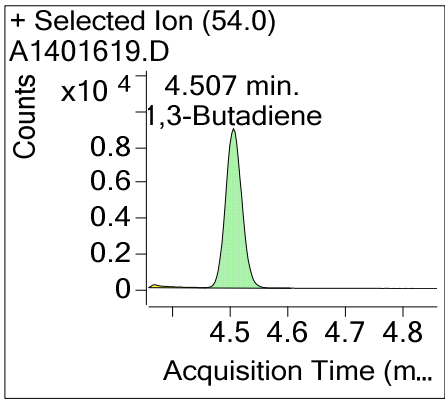
Sample Chromatogram

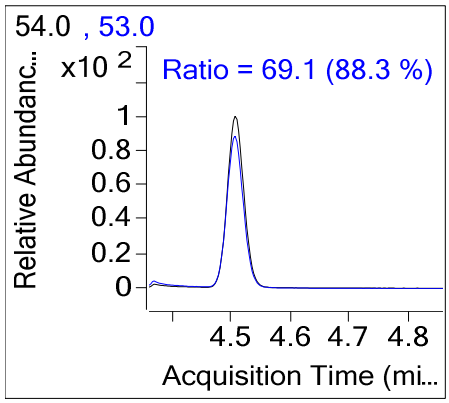


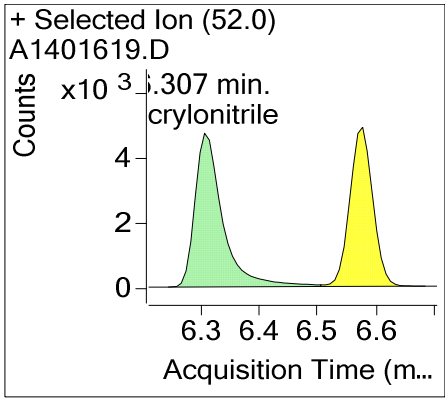
Quantitation Results

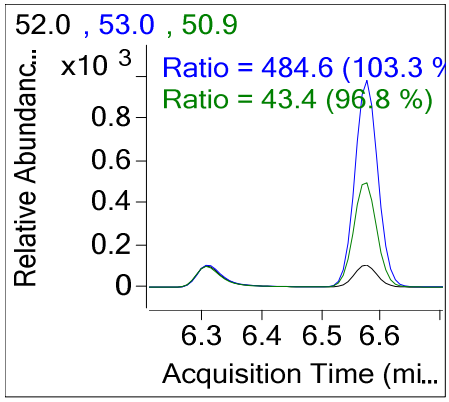
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.507	19.6549	99.21
Acrylonitrile	Benzene-d6	6.307	19.8074	100.03
Isoprene	Benzene-d6	6.577	197.8673	99.92
Benzene	Benzene-d6	12.939	24.8639	100.45
Toluene	Toluene-d8	15.749	24.8504	100.40

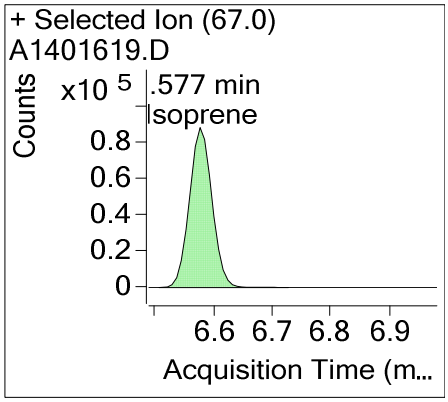
Compound Graphics

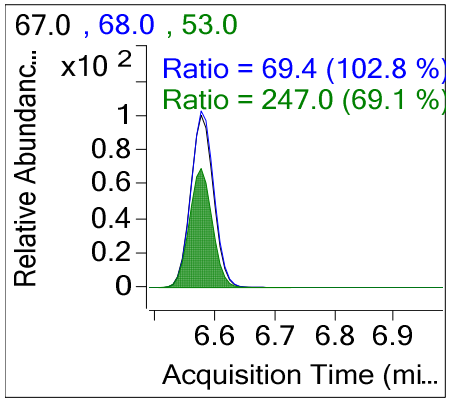


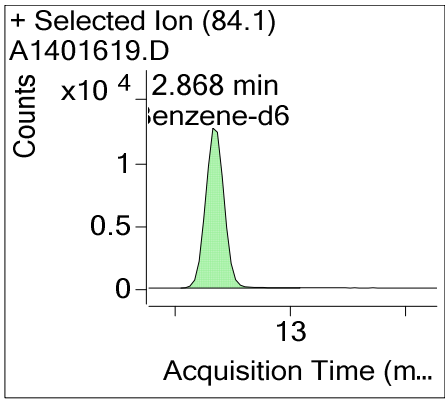


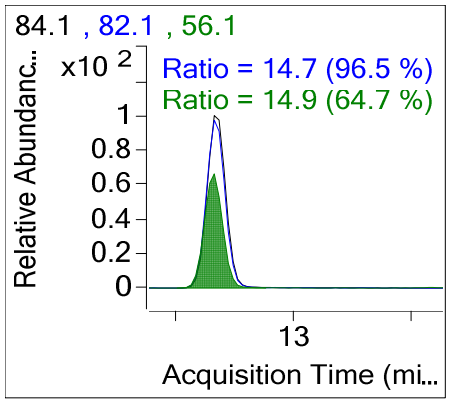


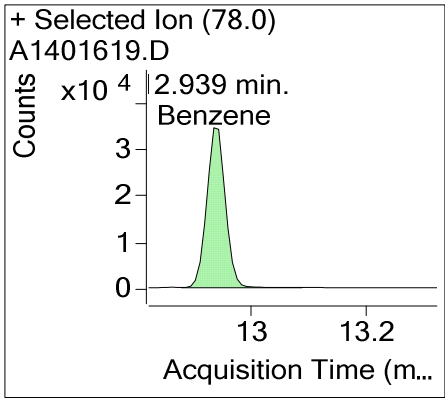


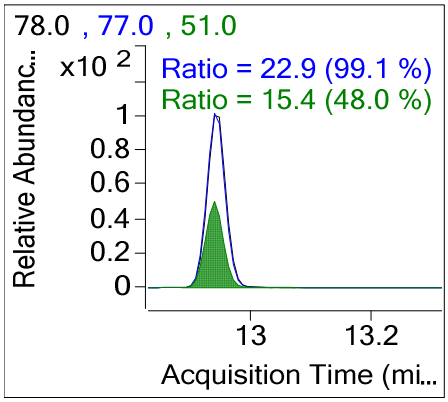


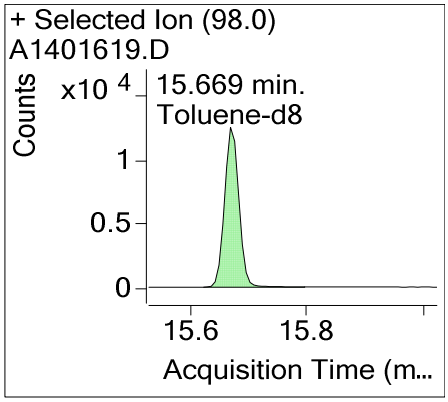


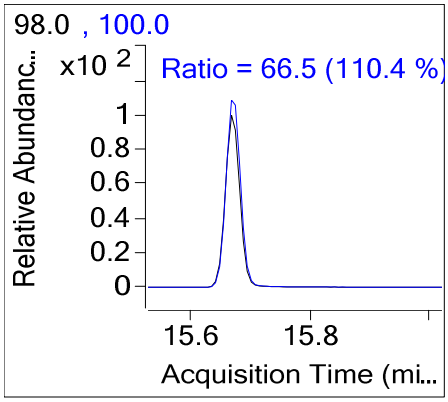


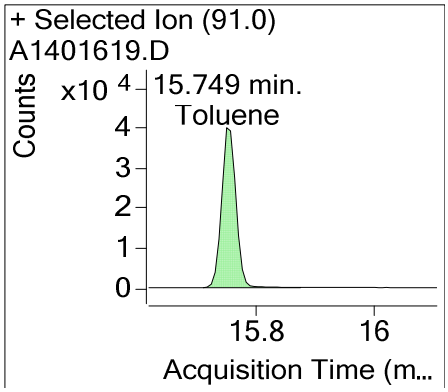


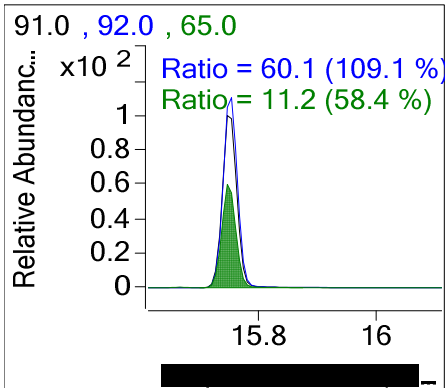

+ Selected Ion (78.0)
A1401619.D
Counts
x10 4
2.939 min.
Benzene
3
2
1
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 22.9 (99.1 %)
Ratio = 15.4 (48.0 %)
1
0.8
0.6
0.4
0.2
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401619.D
Counts
x10 4
15.669 min.
Toluene-d8
1
0.5
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 66.5 (110.4 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401619.D
Counts
x10 4
15.749 min.
Toluene
4
3
2
1
0
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 60.1 (109.1 %)
Ratio = 11.2 (58.4 %)
1
0.8
0.6
0.4
0.2
0
15.8
16

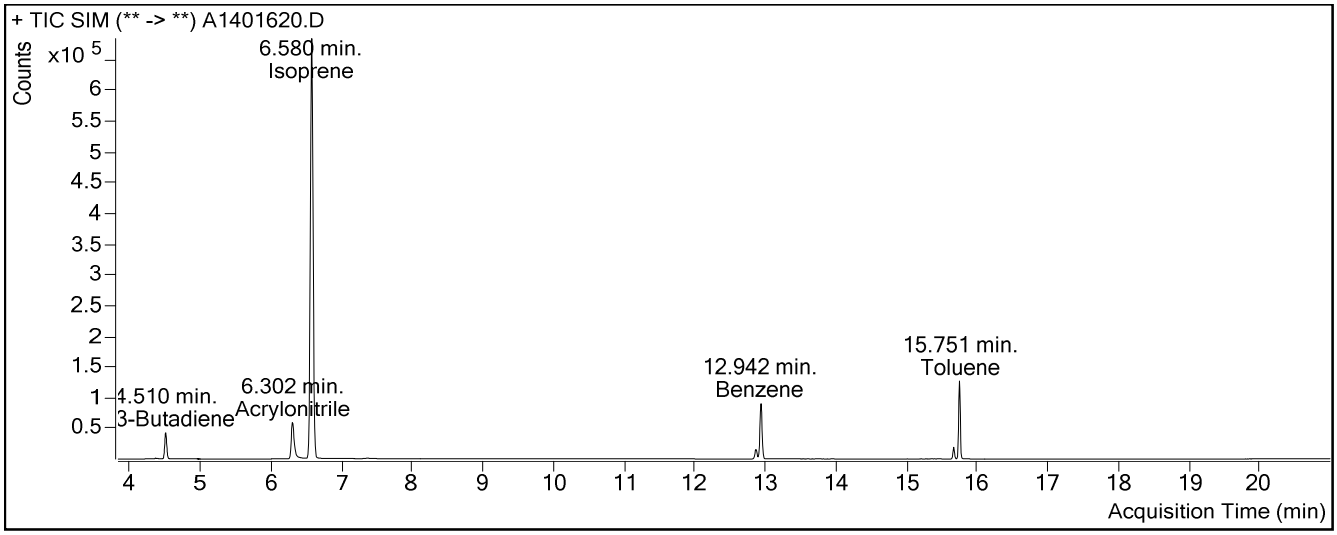
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-02 17:56	**Data File**	A1401620.D
Position	6	**Sample Name**	VOA CAL STD#6
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Calibration	**Comment**	TSCStd-0090-06

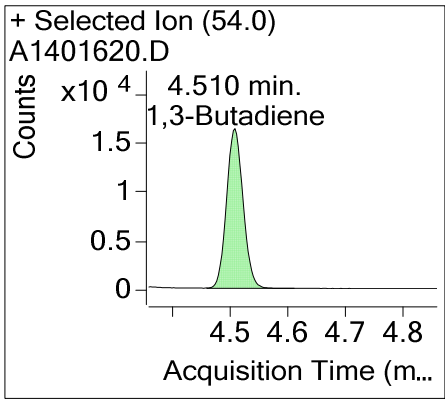
Sample Chromatogram

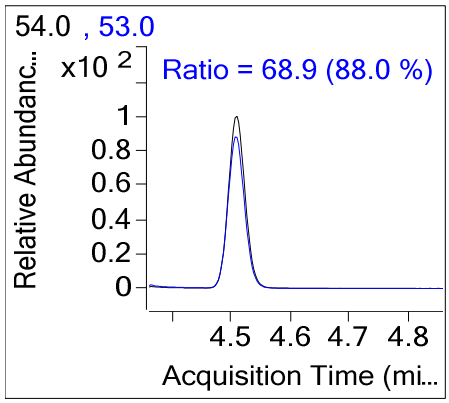


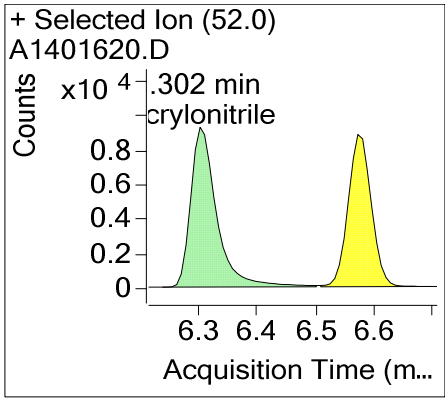
Quantitation Results

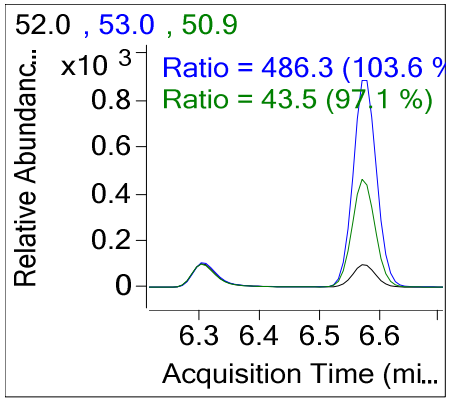
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.510	39.8690	101.62
Acrylonitrile	Benzene-d6	6.302	39.8623	101.65
Isoprene	Benzene-d6	6.580	395.3265	100.81
Benzene	Benzene-d6	12.942	49.1869	100.34
Toluene	Toluene-d8	15.751	49.1867	100.34

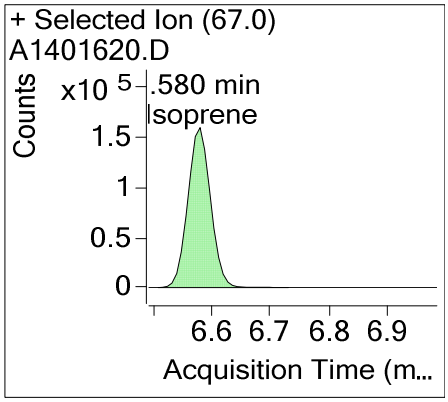
Compound Graphics

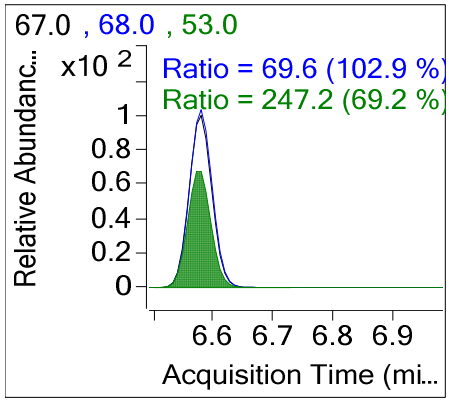


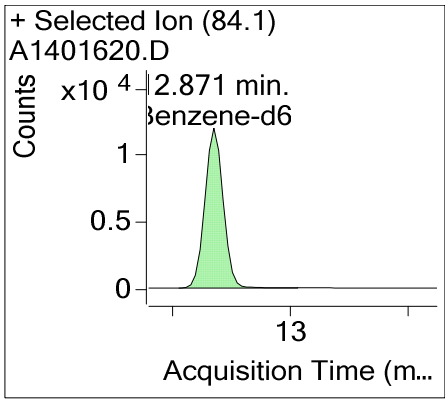


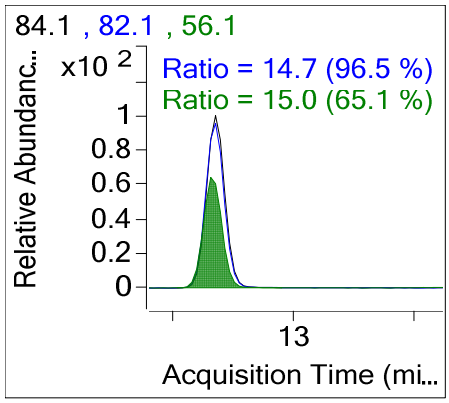


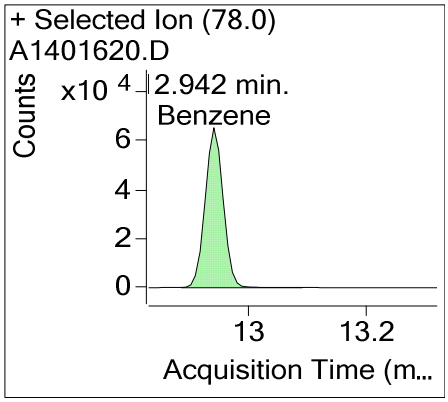


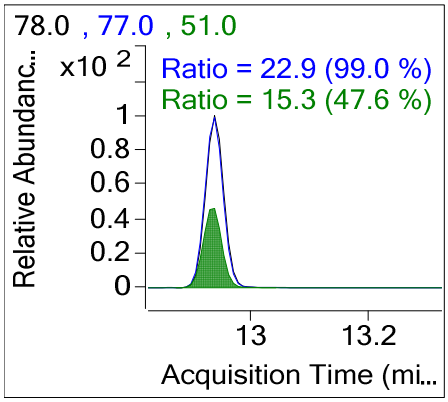


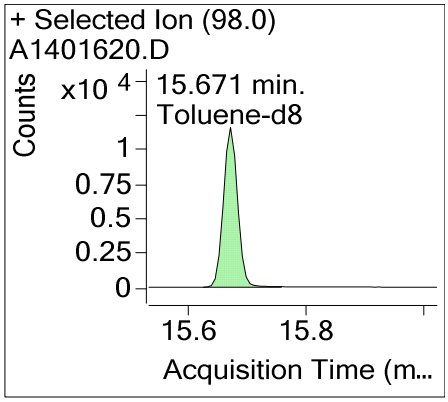


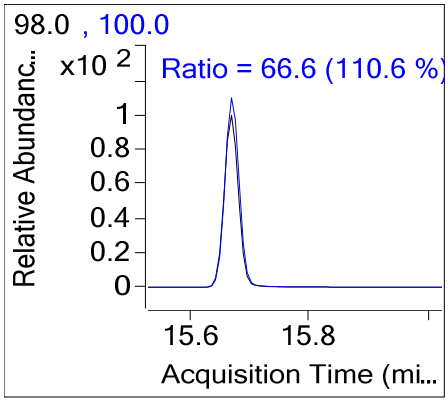


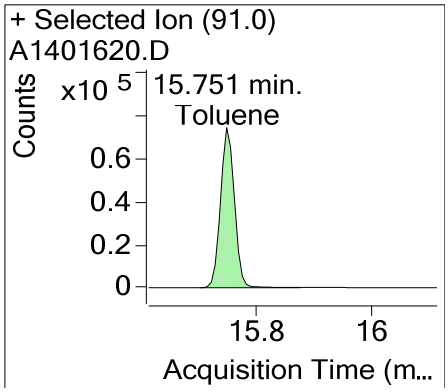


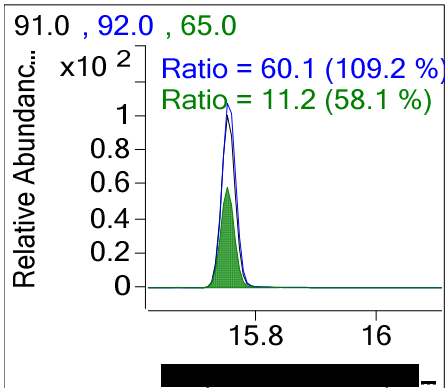

+ Selected Ion (78.0)
A1401620.D
Counts
x10 4
2.942 min.
Benzene
6
4
2
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 22.9 (99.0 %)
Ratio = 15.3 (47.6 %)
1
0.8
0.6
0.4
0.2
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401620.D
Counts
x10 4
15.671 min.
Toluene-d8
1
0.75
0.5
0.25
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 66.6 (110.6 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401620.D
Counts
x10 5
15.751 min.
Toluene
0.6
0.4
0.2
0
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 60.1 (109.2 %)
Ratio = 11.2 (58.1 %)
1
0.8
0.6
0.4
0.2
0
15.8
16

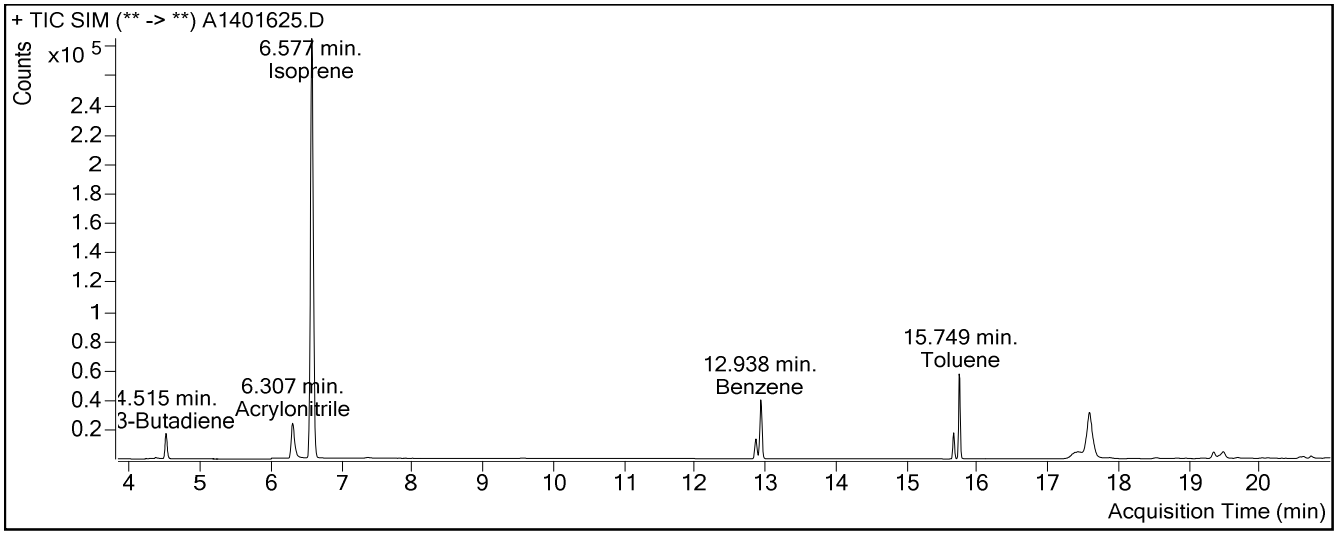
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-03 12:11	**Data File**	A1401625.D
Position	5	**Sample Name**	VOA CAL STD#5
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	QC	**Comment**	TSCStd-0090-11

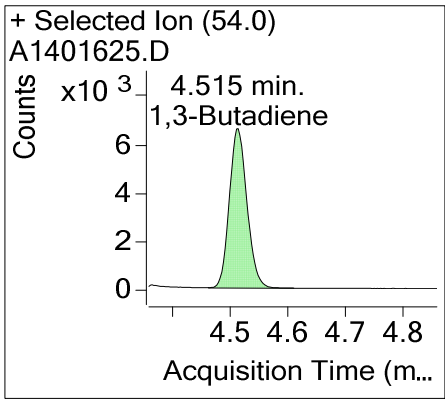
Sample Chromatogram

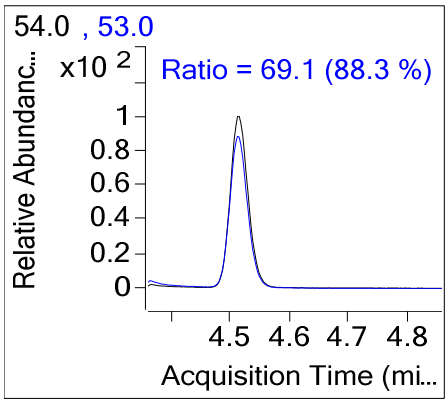


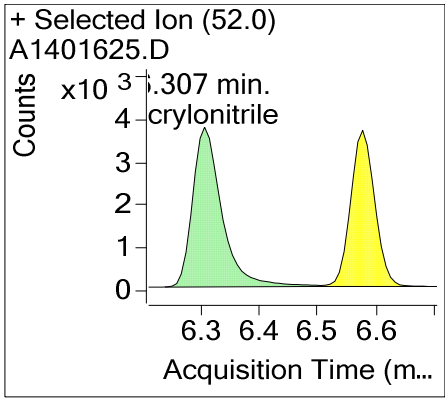
Quantitation Results

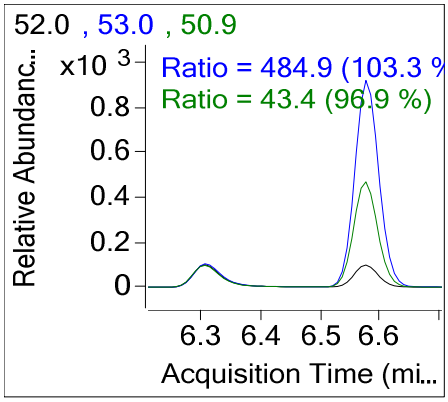
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.515	19.0486	96.15
Acrylonitrile	Benzene-d6	6.307	20.4707	103.38
Isoprene	Benzene-d6	6.577	191.9440	96.93
Benzene	Benzene-d6	12.938	24.8971	100.59
Toluene	Toluene-d8	15.749	24.8536	100.41

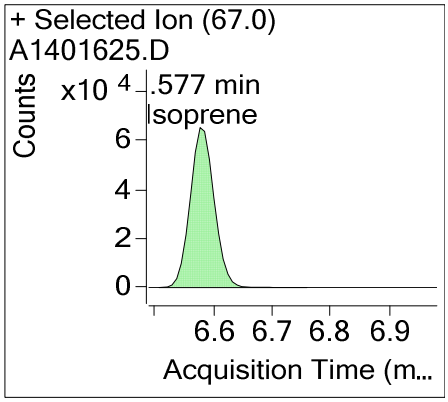
Compound Graphics

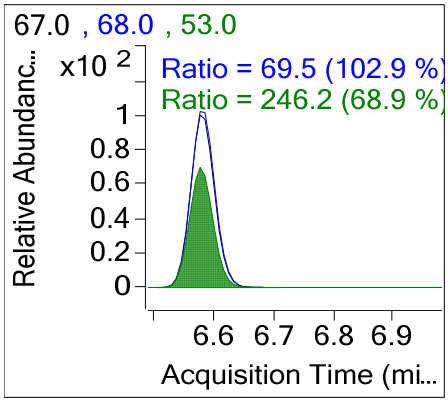


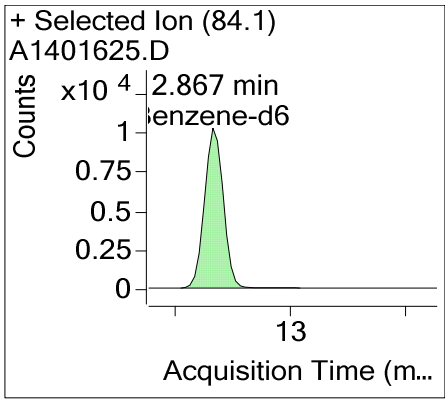


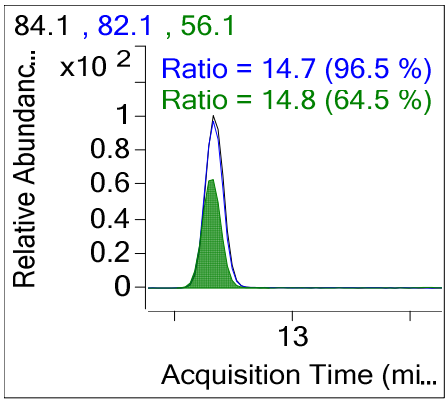


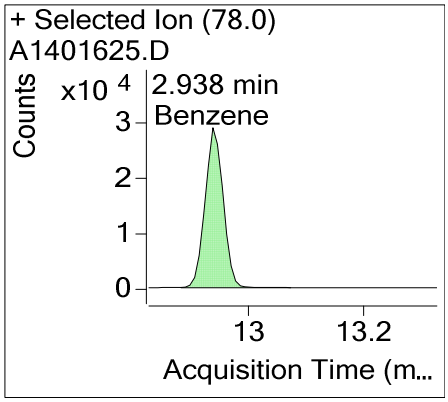


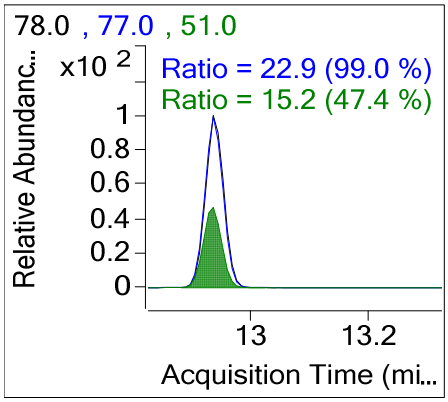


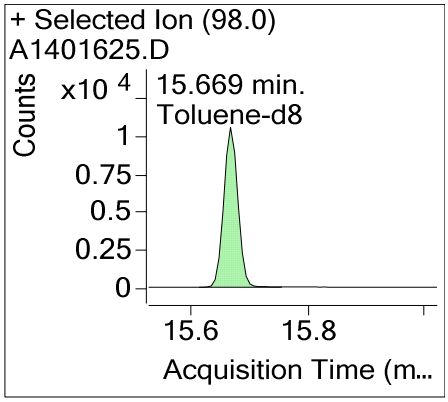


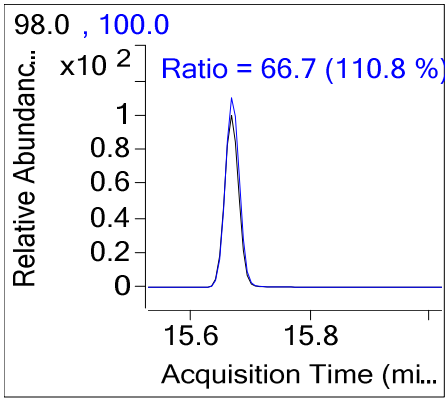


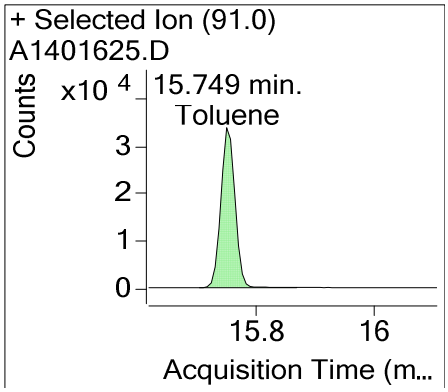


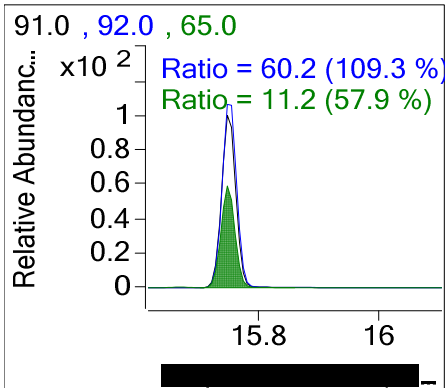

+ Selected Ion (78.0)
A1401625.D
Counts
x10 4
2.938 min
Benzene
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 22.9 (99.0 %)
Ratio = 15.2 (47.4 %)
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401625.D
Counts
x10 4
15.669 min.
Toluene-d8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 66.7 (110.8 %)
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401625.D
Counts
x10 4
15.749 min.
Toluene
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 60.2 (109.3 %)
Ratio = 11.2 (57.9 %)

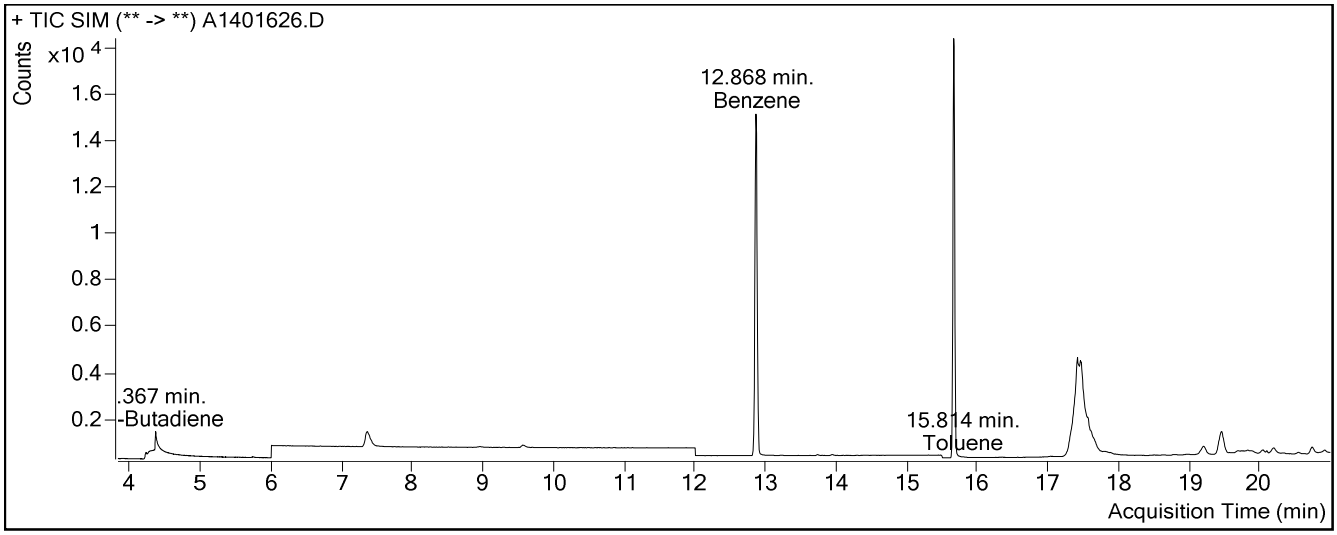
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-03 12:37	**Data File**	A1401626.D
Position	7	**Sample Name**	0814-52 Blank02
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Blank	**Comment**	

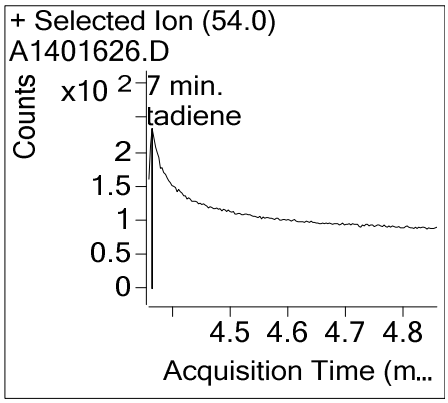
Sample Chromatogram

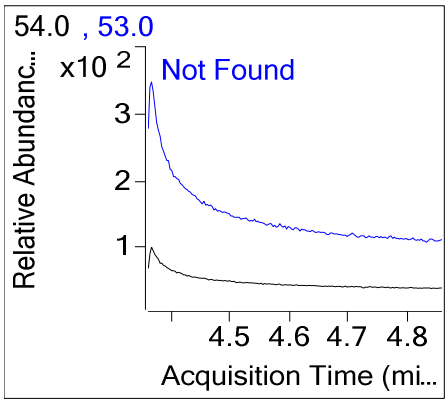


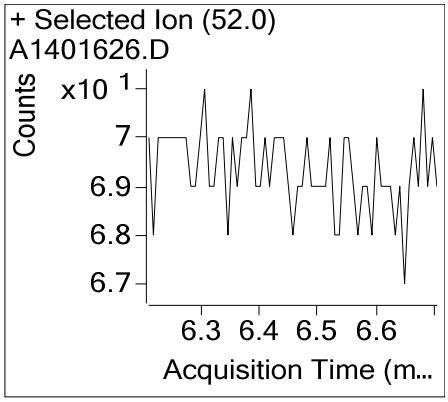
Quantitation Results

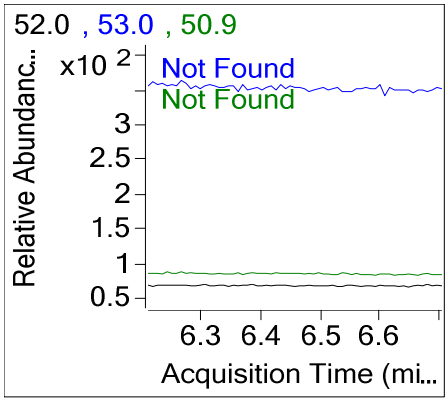
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.367	0.0000	
Acrylonitrile	Benzene-d6			
Isoprene	Benzene-d6			
Benzene	Benzene-d6	12.868	0.0000	
Toluene	Toluene-d8	15.814	0.0000	

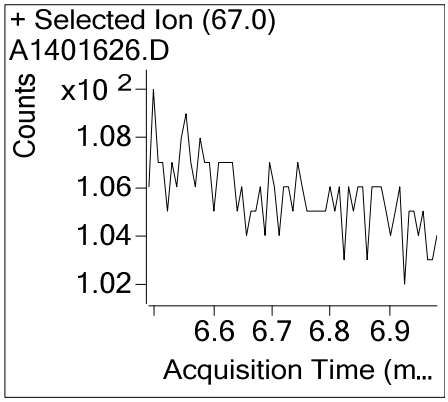
Compound Graphics

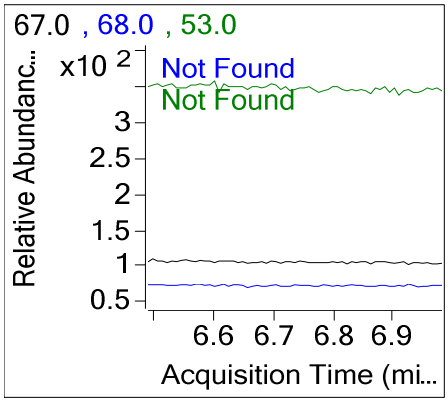


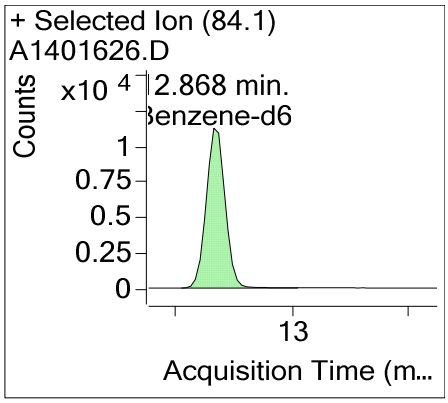


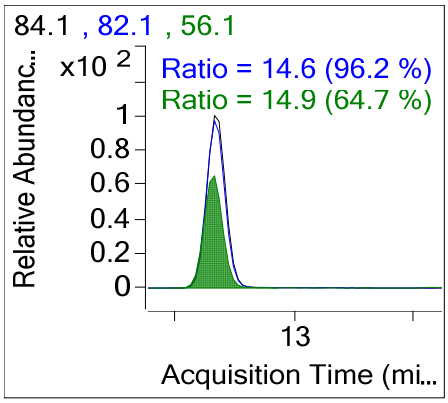


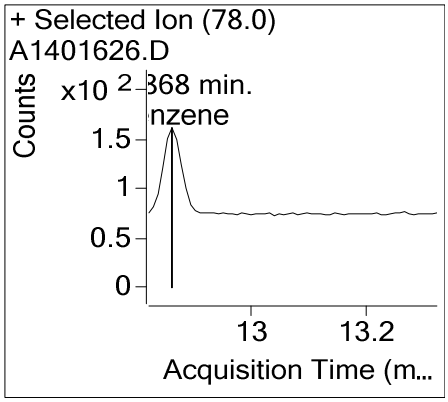


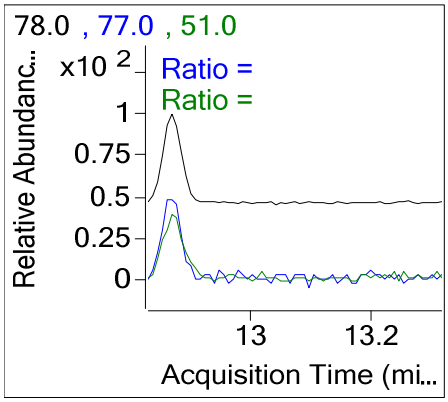


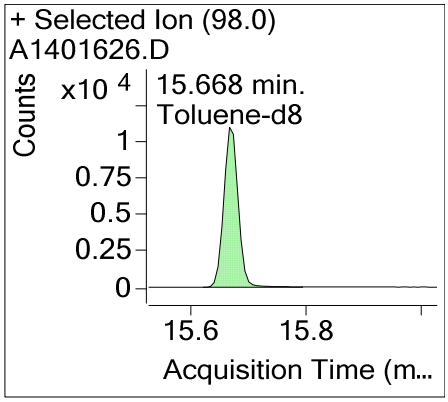


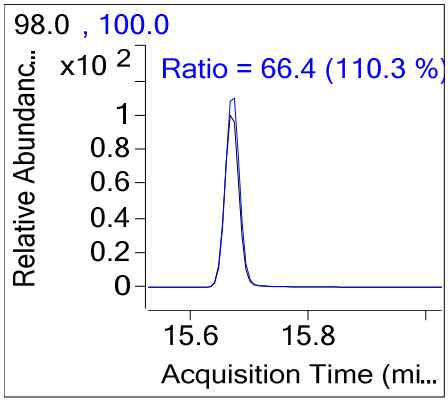


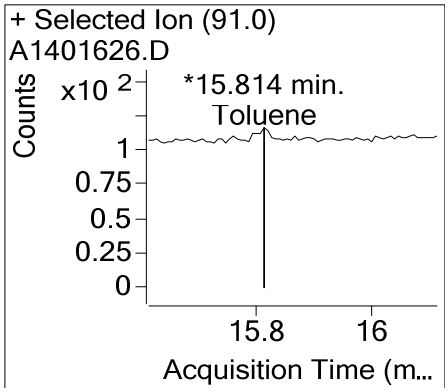


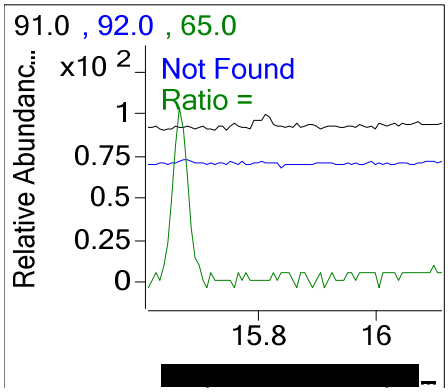

+ Selected Ion (78.0)
A1401626.D
Counts
x10 2
368 min.
nzene
1.5
1
0.5
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio =
Ratio =
1
0.75
0.5
0.25
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401626.D
Counts
x10 4
15.668 min.
Toluene-d8
1
0.75
0.5
0.25
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 66.4 (110.3 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401626.D
Counts
x10 2
*15.814 min.
Toluene
1
0.75
0.5
0.25
0
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Not Found
Ratio =
1
0.75
0.5
0.25
0
15.8
16

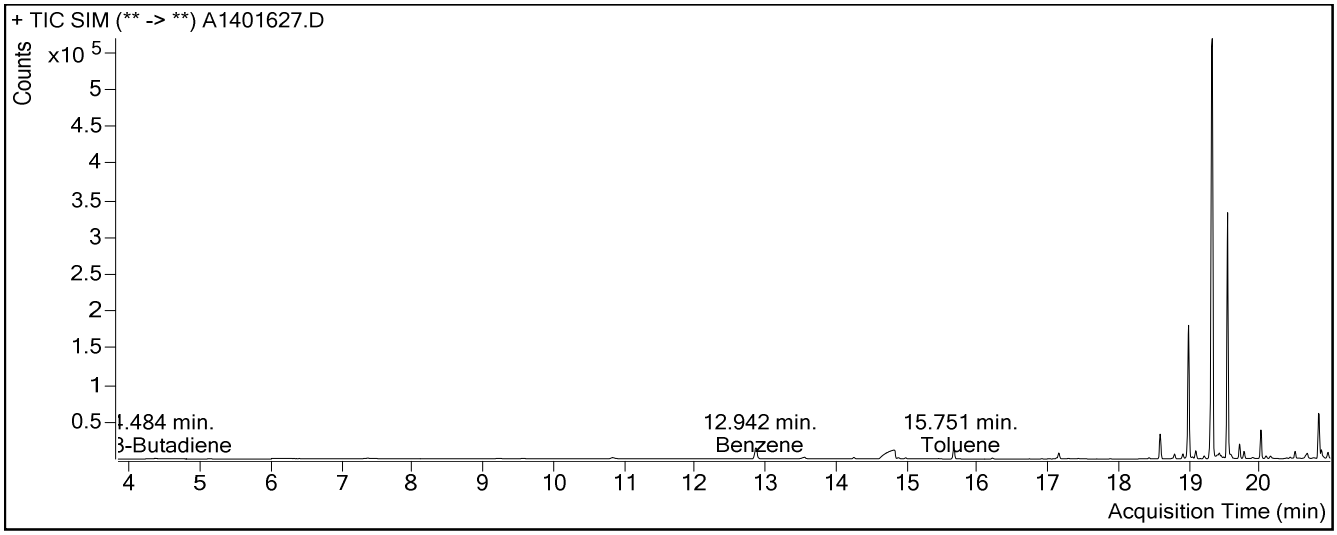
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-03 13:04	**Data File**	A1401627.D
Position	8	**Sample Name**	0814-52-01
Dilution	11	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Sample	**Comment**	

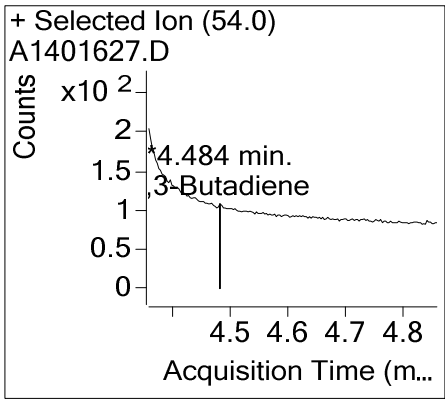
Sample Chromatogram

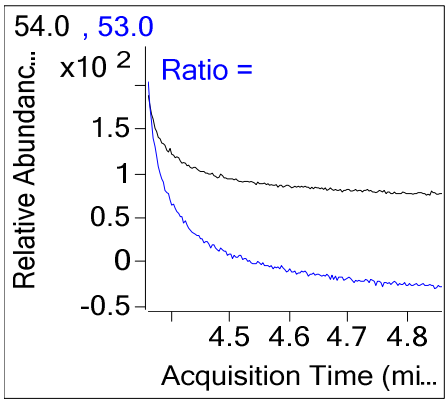


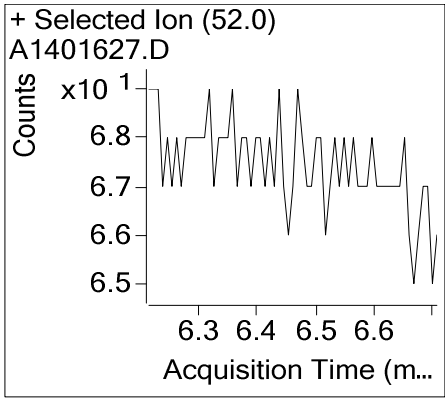
Quantitation Results

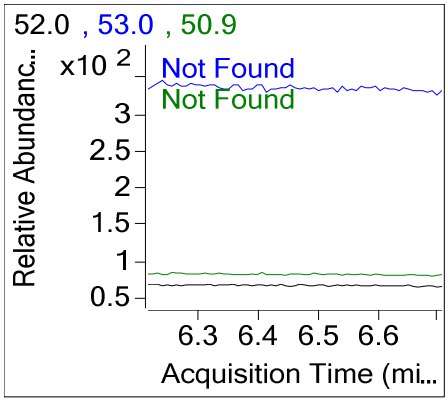
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.484	0.0000	
Acrylonitrile	Benzene-d6			
Isoprene	Benzene-d6			
Benzene	Benzene-d6	12.942	0.1471	
Toluene	Toluene-d8	15.751	0.9101	

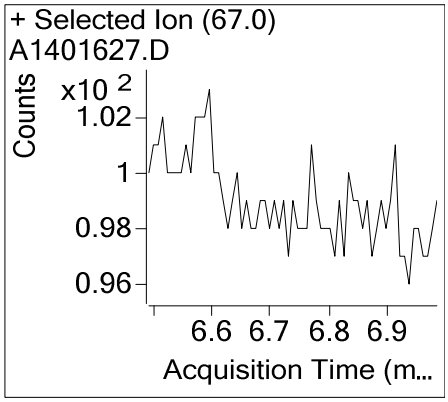
Compound Graphics

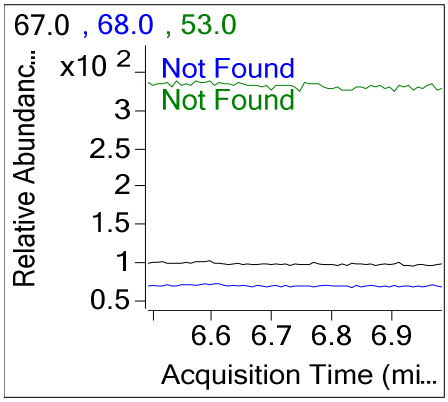


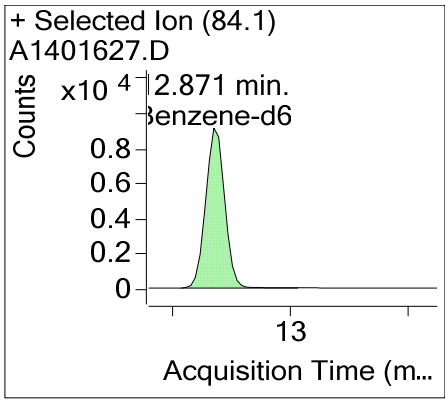


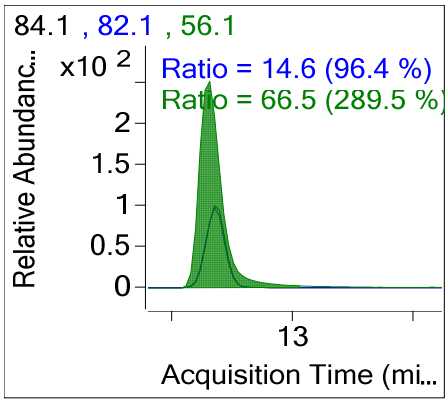


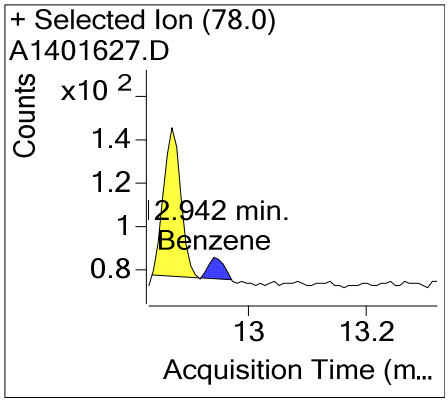


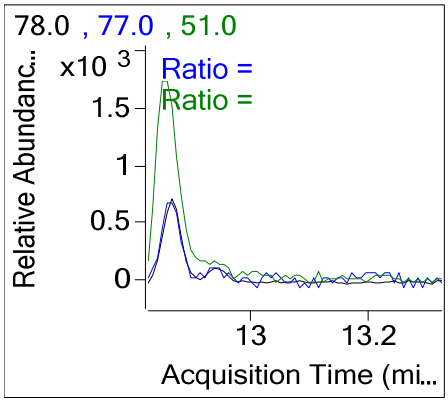


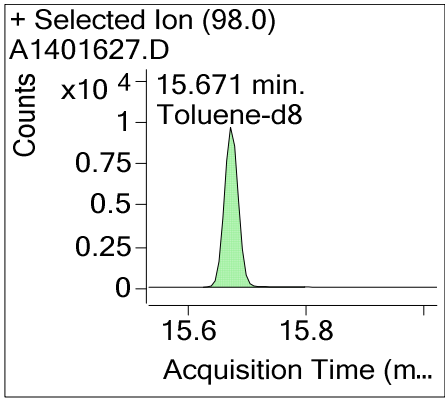


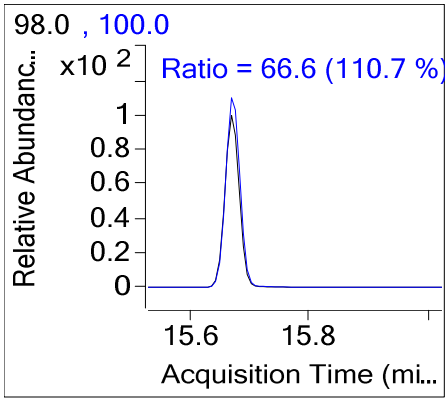


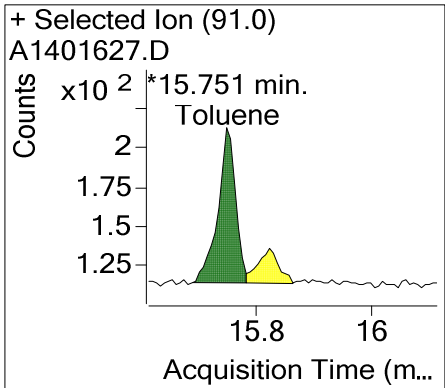


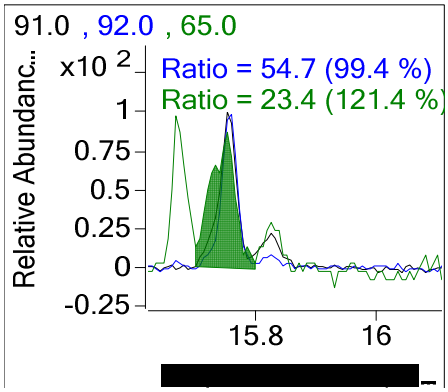

+ Selected Ion (78.0)
A1401627.D
Counts
x10 2
1.4
1.2
1
0.8
2.942 min.
Benzene
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 3
1.5
1
0.5
0
Ratio =
Ratio =
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401627.D
Counts
x10 4
1
0.75
0.5
0.25
0
15.671 min.
Toluene-d8
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
1
0.8
0.6
0.4
0.2
0
Ratio = 66.6 (110.7 %)
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401627.D
Counts
x10 2
2
1.75
1.5
1.25
*15.751 min.
Toluene
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
1
0.75
0.5
0.25
0
-0.25
Ratio = 54.7 (99.4 %)
Ratio = 23.4 (121.4 %)
15.8
16

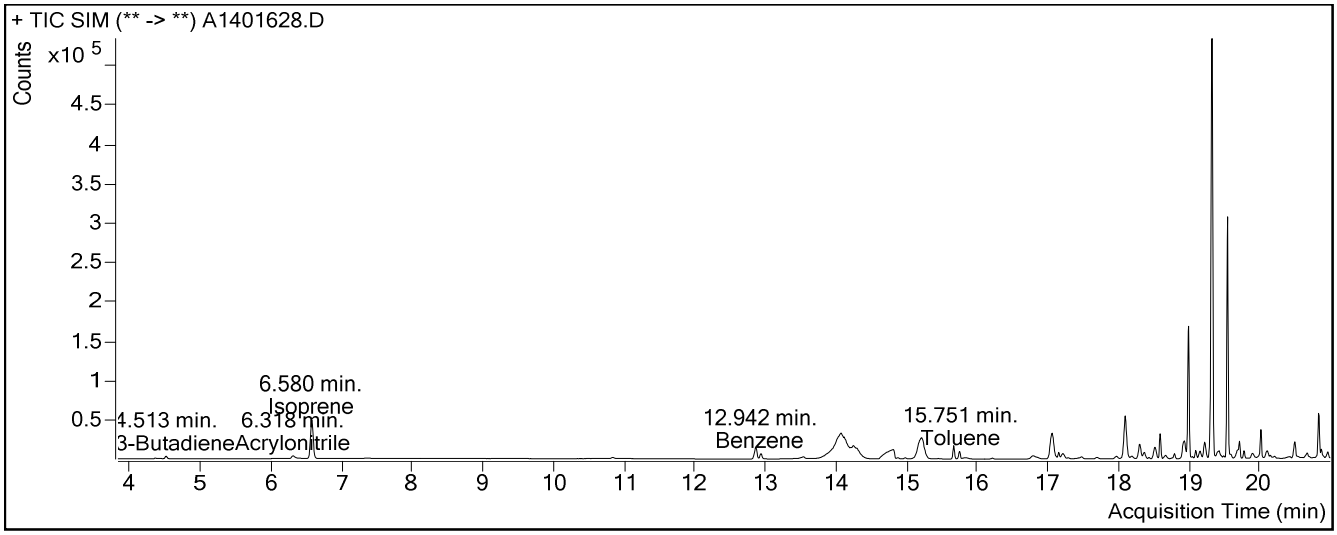
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-03 13:31	**Data File**	A1401628.D
Position	9	**Sample Name**	0814-52-01MS
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	Sample	**Comment**	

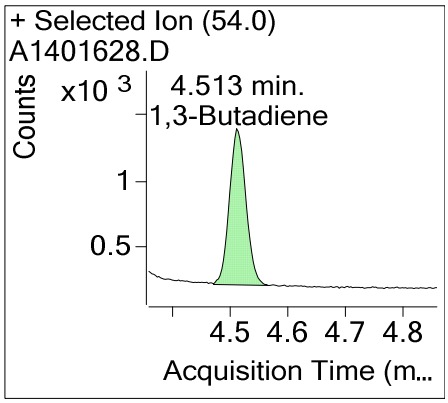
Sample Chromatogram

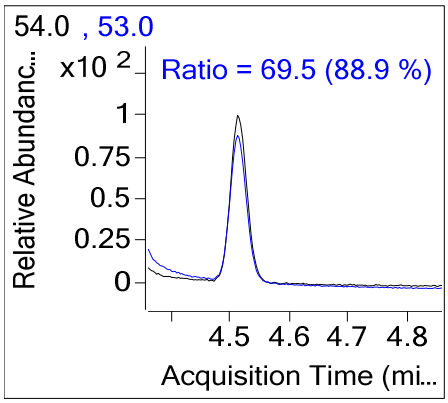


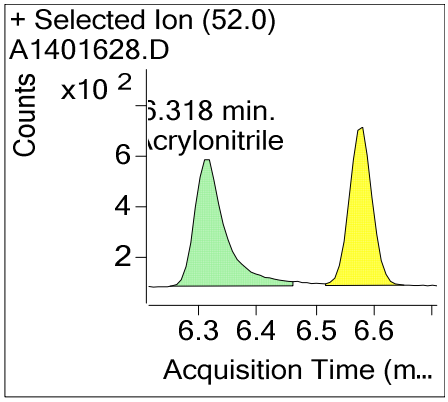
Quantitation Results

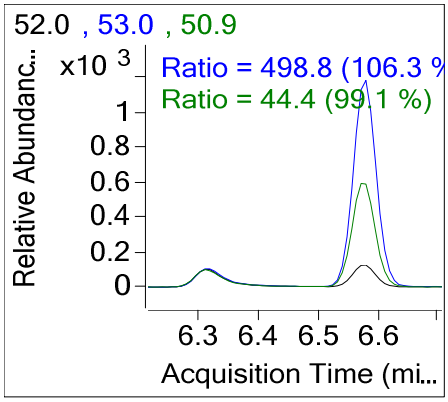
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.513	3.2733	
Acrylonitrile	Benzene-d6	6.318	2.9765	
Isoprene	Benzene-d6	6.580	31.4706	
Benzene	Benzene-d6	12.942	3.9390	
Toluene	Toluene-d8	15.751	4.1138	

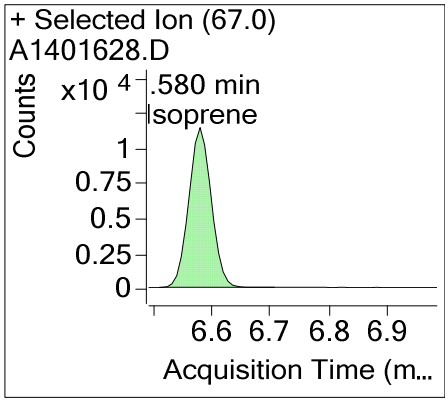
Compound Graphics

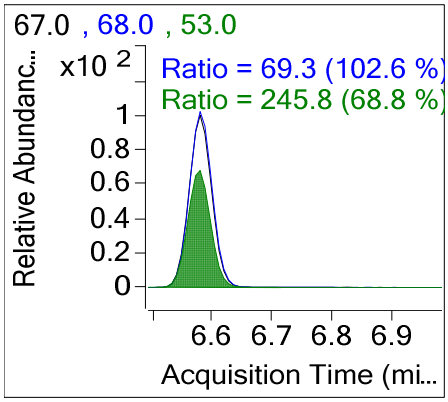


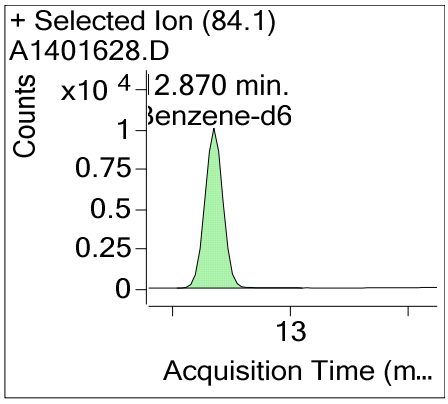


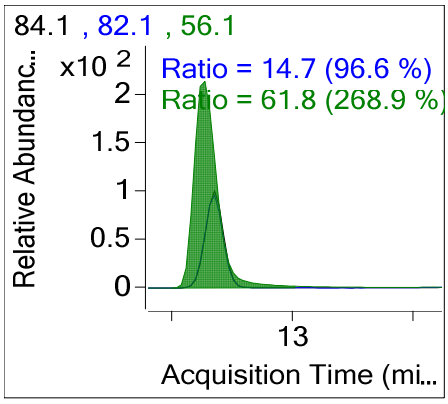


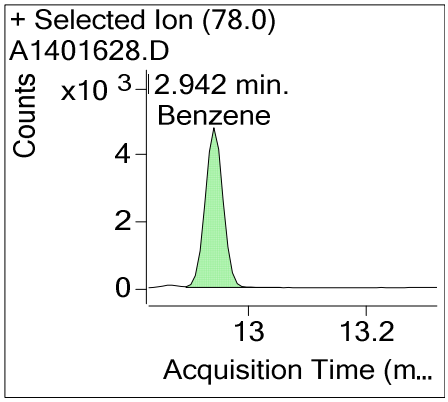


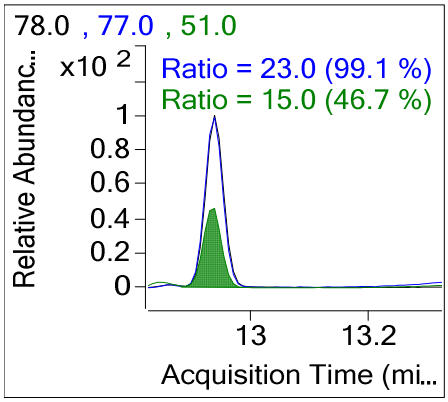


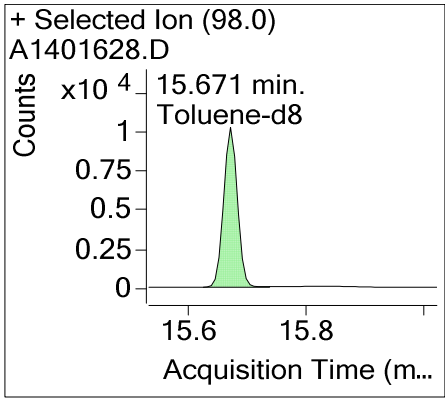


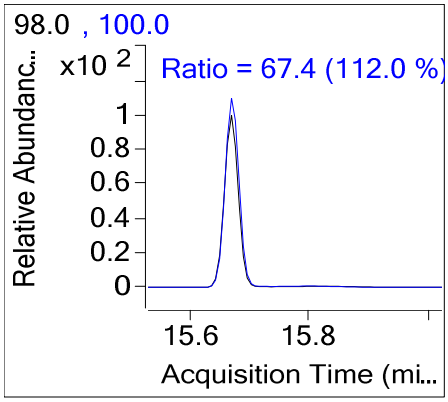


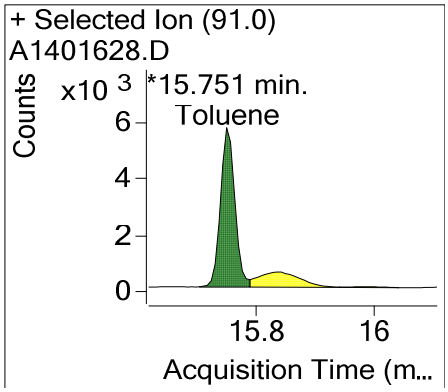


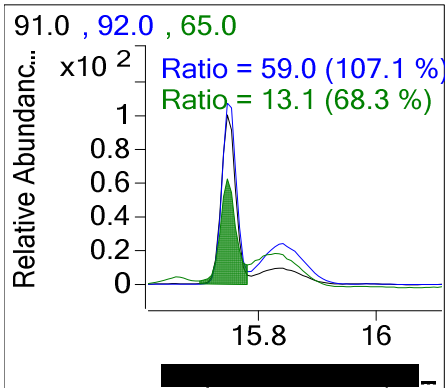

+ Selected Ion (78.0)
A1401628.D
Counts
x10 3
2.942 min.
Benzene
4
2
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 23.0 (99.1 %)
Ratio = 15.0 (46.7 %)
1
0.8
0.6
0.4
0.2
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401628.D
Counts
x10 4
15.671 min.
Toluene-d8
1
0.75
0.5
0.25
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 67.4 (112.0 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401628.D
Counts
x10 3
*15.751 min.
Toluene
6
4
2
0
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 59.0 (107.1 %)
Ratio = 13.1 (68.3 %)
1
0.8
0.6
0.4
0.2
0
15.8
16

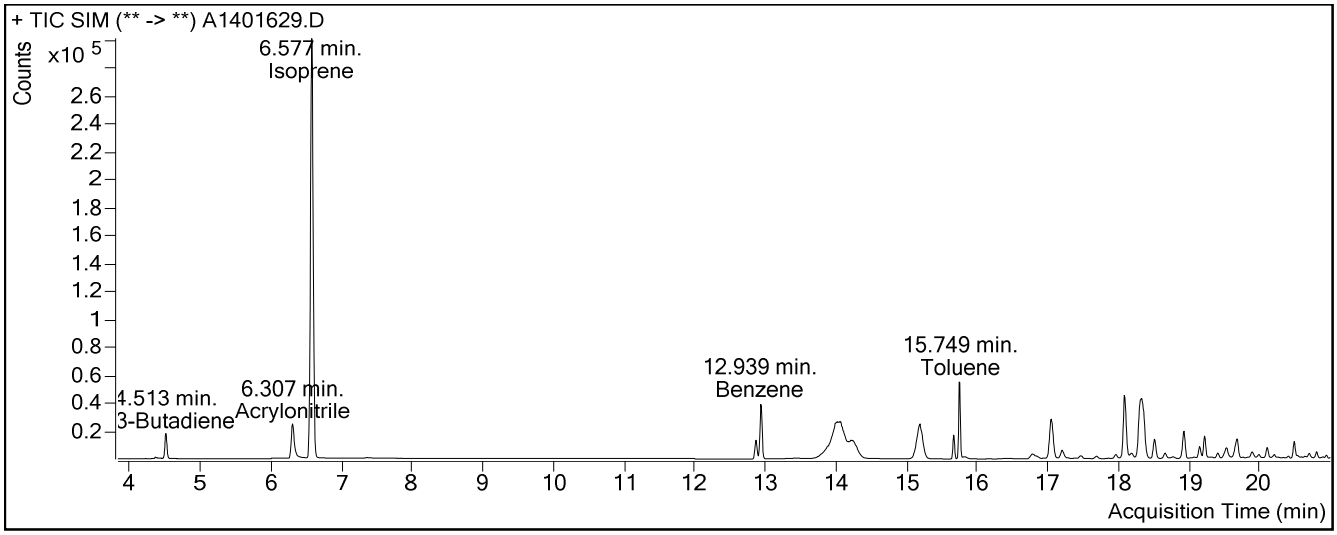
Quantitative Analysis Sample Report

Batch Data Path	T:\Atticus\gcms2014q3\sep14\QuantResults\A090214a.batch.bin		
Analysis Time	9/5/2014 11:02 AM	**Analyst Name**	EAINC\SBrown
Report Time	9/5/2014 11:03 AM	**Reporter Name**	EAINC\SBrown
Last Calib Update	9/5/2014 11:02 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-09-03 13:58	**Data File**	A1401629.D
Position	5	**Sample Name**	VOA CAL STD#5
Dilution	1	**Sample Info**	
Inj Vol	0.2	**Acq Method File**	TSCVOC1D1-SIM
Sample Type	QC	**Comment**	TSCStd-0090-11

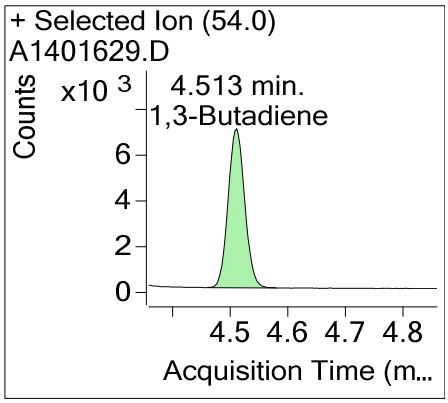
Sample Chromatogram

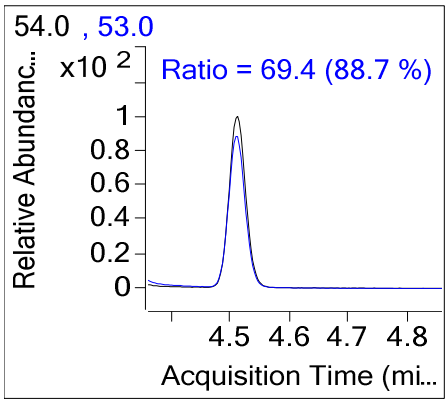


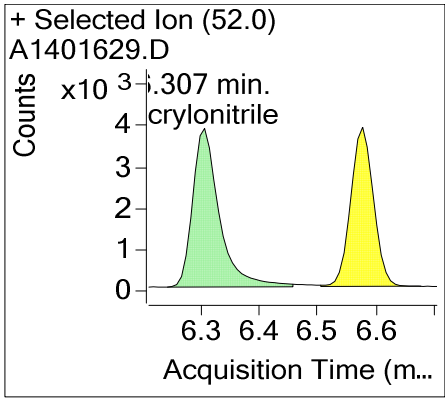
Quantitation Results

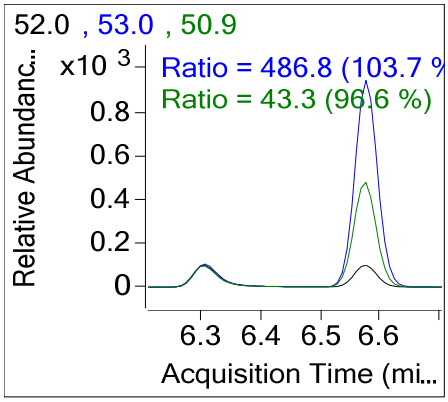
Compound	ISTD	RT	Conc (µg/mL)	Accuracy
1,3-Butadiene	Benzene-d6	4.513	19.2544	97.19
Acrylonitrile	Benzene-d6	6.307	19.6077	99.02
Isoprene	Benzene-d6	6.577	195.8483	98.90
Benzene	Benzene-d6	12.939	24.8381	100.35
Toluene	Toluene-d8	15.749	24.9886	100.96

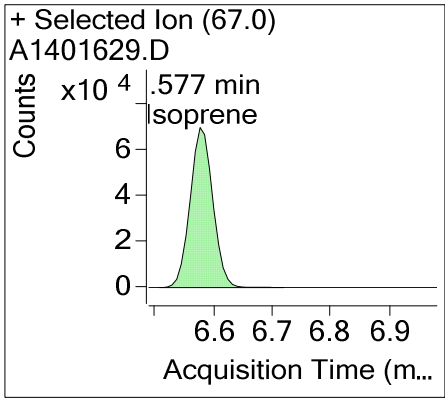
Compound Graphics

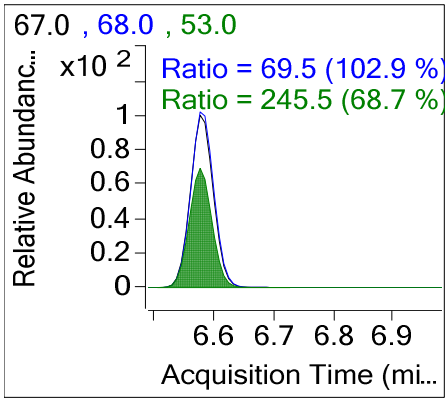


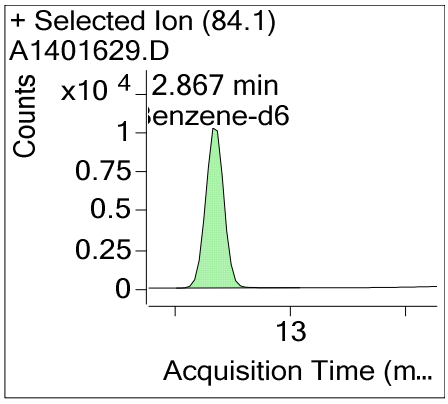


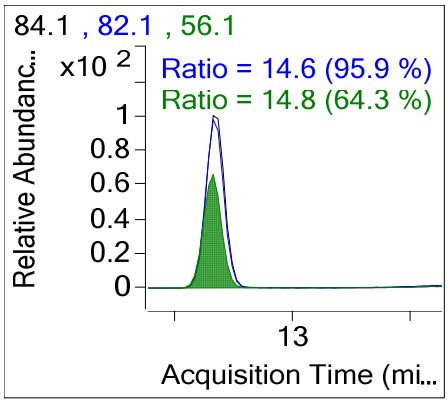


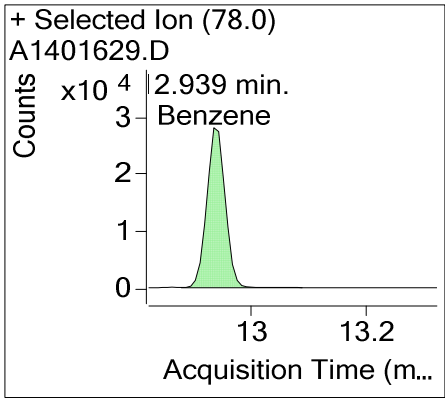


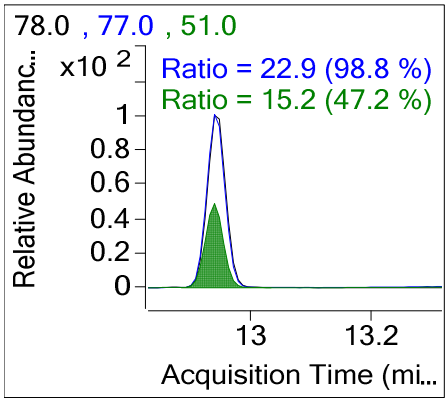


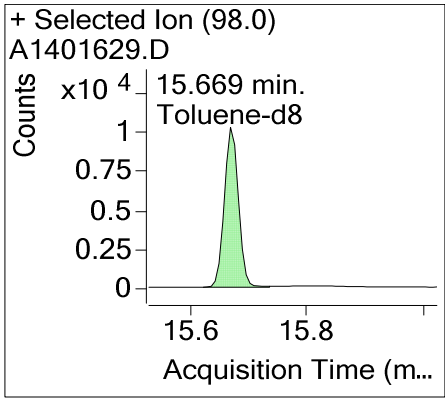


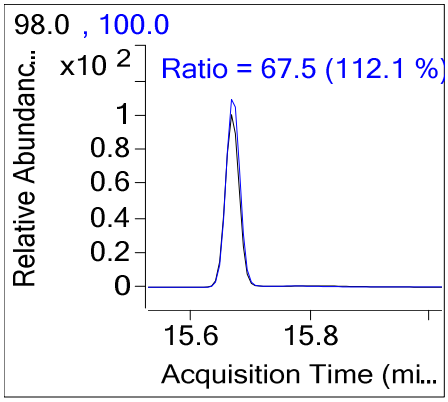


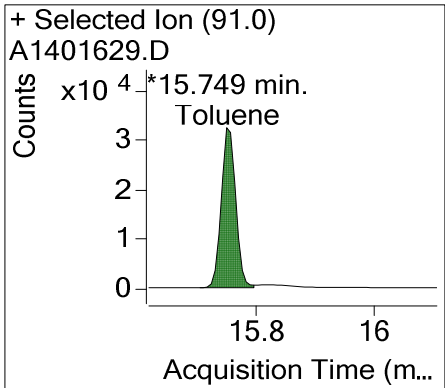


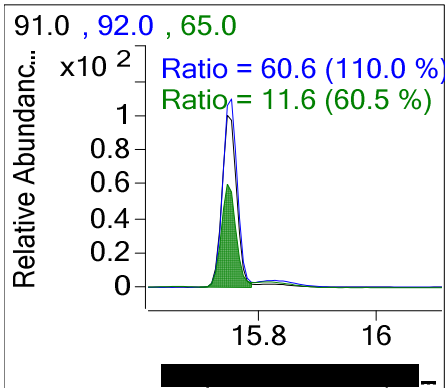

+ Selected Ion (78.0)
A1401629.D
Counts
x10 4
2.939 min.
Benzene
3
2
1
0
13
13.2
Acquisition Time (m...


78.0 , 77.0 , 51.0
Relative Abundanc...
x10 2
Ratio = 22.9 (98.8 %)
Ratio = 15.2 (47.2 %)
1
0.8
0.6
0.4
0.2
0
13
13.2
Acquisition Time (mi...


+ Selected Ion (98.0)
A1401629.D
Counts
x10 4
15.669 min.
Toluene-d8
1
0.75
0.5
0.25
0
15.6
15.8
Acquisition Time (m...


98.0 , 100.0
Relative Abundanc...
x10 2
Ratio = 67.5 (112.1 %)
1
0.8
0.6
0.4
0.2
0
15.6
15.8
Acquisition Time (mi...


+ Selected Ion (91.0)
A1401629.D
Counts
x10 4
*15.749 min.
Toluene
3
2
1
0
15.8
16
Acquisition Time (m...


91.0 , 92.0 , 65.0
Relative Abundanc...
x10 2
Ratio = 60.6 (110.0 %)
Ratio = 11.6 (60.5 %)
1
0.8
0.6
0.4
0.2
0
15.8
16

Raw Data

Quantitative Analysis Summary Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Quantitation Results

Target Compound *BaP*

SampleName	Sample Type	LevelName	Data File	AcqDateTime	Compound	Exp Conc (ng/mL)	Dilution	Final Conc (ng/mL)	Accuracy	2nd An. Review
50:50 Tol:IsoOct blk	DoubleBlank		S1401861.D	2014-08-04T11:45:20-04:00	BaP		1	0		KEH 080614
BaP Std 1 in Tol:IsoOct	Calibration	1	S1401862.D	2014-08-04T11:59:13-04:00	BaP	0.52208	1	0.53582942	102.6335849	KEH 080614
BaP Std 2 in Tol:IsoOct	Calibration	2	S1401863.D	2014-08-04T12:13:07-04:00	BaP	1.004	1	1.003553339	99.95551187	KEH 080614
BaP Std 3 in Tol:IsoOct	Calibration	3	S1401864.D	2014-08-04T12:27:00-04:00	BaP	5.2208	1	5.184154144	99.29807968	KEH 080614
BaP Std 4 in Tol:IsoOct	Calibration	4	S1401865.D	2014-08-04T12:40:52-04:00	BaP	10.04	1	9.890012011	98.50609572	KEH 080614
BaP Std 5 in Tol:IsoOct	Calibration	5	S1401866.D	2014-08-04T12:54:47-04:00	BaP	52.208	1	51.73221573	99.08867555	KEH 080614
BaP Std 6 in Tol:IsoOct	Calibration	6	S1401867.D	2014-08-04T13:08:40-04:00	BaP	125.2992	1	125.9483154	100.5180523	KEH 080614
50:50 Tol:IsoOct blk	DoubleBlank		S1401868.D	2014-08-04T13:22:33-04:00	BaP		1	98.09597485		KEH 080614
BaP SS	QC	7	S1401869.D	2014-08-04T13:36:28-04:00	BaP	20.046	1	18.30209386	91.30047818	KEH 080614
Concal (Std 3)	QC	3	S1401870.D	2014-08-05T14:54:18-04:00	BaP	5.2208	1	5.084043458	97.38054433	KEH 080614
Concal (Std 3)	QC	3	S1401914.D	2014-08-14T15:27:57-04:00	BaP	5.2208	1	5.212736897	99.84555809	KEH 081514
0814-52-01	Sample		S1401915.D	2014-08-14T16:40:42-04:00	BaP		20	0		KEH 081514
0814-52-01MS	Sample		S1401916.D	2014-08-14T16:54:34-04:00	BaP		1	11.85768507		KEH 081514
0814-52 BaP Blk-02	Sample		S1401917.D	2014-08-14T17:08:28-04:00	BaP		1	0		KEH 081514
Concal (Std 3)	QC	3	S1401918.D	2014-08-14T17:22:22-04:00	BaP	5.2208	1	5.290860028	101.3419405	KEH 081514

Quantitative Analysis Calibration Report

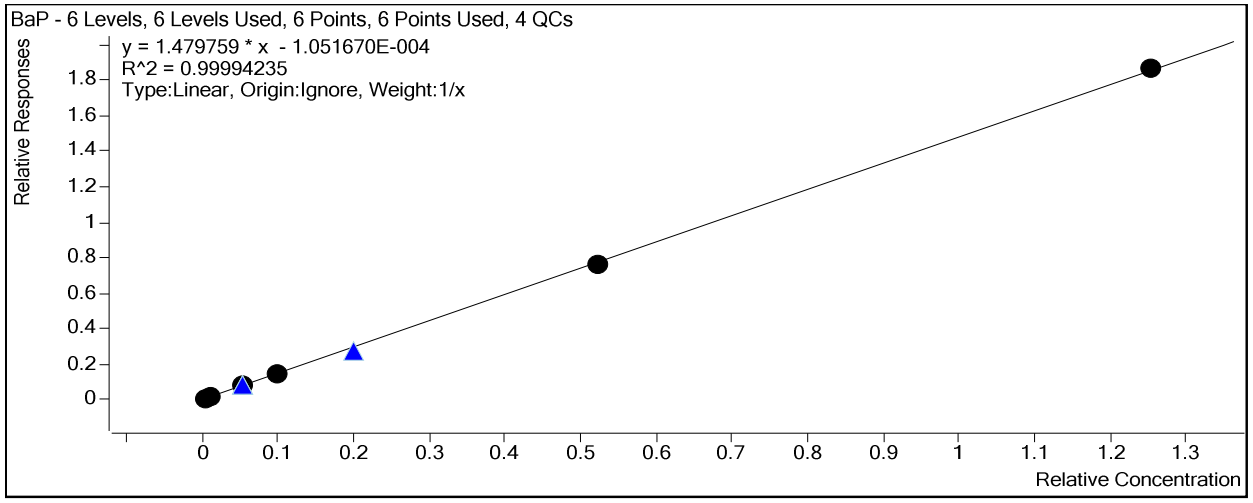
Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batcl		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Calibration Info

ISTD Compound *BaP-d12*

Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
D:\Data\gcms2014Q3\Saphira\c	Calibration	1	☑	700715	100.0000	7007.1536
D:\Data\gcms2014Q3\Saphira\c	Calibration	2	☑	685224	100.0000	6852.2395
D:\Data\gcms2014Q3\Saphira\c	Calibration	3	☑	731624	100.0000	7316.2440
D:\Data\gcms2014Q3\Saphira\c	QC	3	☑	882402	100.0000	8824.0223
D:\Data\gcms2014Q3\Saphira\c	QC	3	☑	658376	100.0000	6583.7580
D:\Data\gcms2014Q3\Saphira\c	QC	3	☑	509102	100.0000	5091.0217
D:\Data\gcms2014Q3\Saphira\c	Calibration	4	☑	738015	100.0000	7380.1531
D:\Data\gcms2014Q3\Saphira\c	Calibration	5	☑	788851	100.0000	7888.5144
D:\Data\gcms2014Q3\Saphira\c	Calibration	6	☑	827539	100.0000	8275.3870
D:\Data\gcms2014Q3\Saphira\c	QC	7	☑	876826	100.0000	8768.2572

Target Compound *BaP*



Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
D:\Data\gcms2014Q3\Saphira\c	Calibration	1	☑	5482	0.5221	1.4986
D:\Data\gcms2014Q3\Saphira\c	Calibration	2	☑	10104	1.0040	1.4686
D:\Data\gcms2014Q3\Saphira\c	Calibration	3	☑	56048	5.2208	1.4674
D:\Data\gcms2014Q3\Saphira\c	QC	3	☑	66292	5.2208	1.4390
D:\Data\gcms2014Q3\Saphira\c	QC	3	☑	50715	5.2208	1.4755
D:\Data\gcms2014Q3\Saphira\c	QC	3	☑	39805	5.2208	1.4976
D:\Data\gcms2014Q3\Saphira\c	Calibration	4	☑	107930	10.0400	1.4566
D:\Data\gcms2014Q3\Saphira\c	Calibration	5	☑	603792	52.2080	1.4661
D:\Data\gcms2014Q3\Saphira\c	Calibration	6	☑	1542223	125.2992	1.4873
D:\Data\gcms2014Q3\Saphira\c	QC	7	☑	237376	20.0460	1.3505

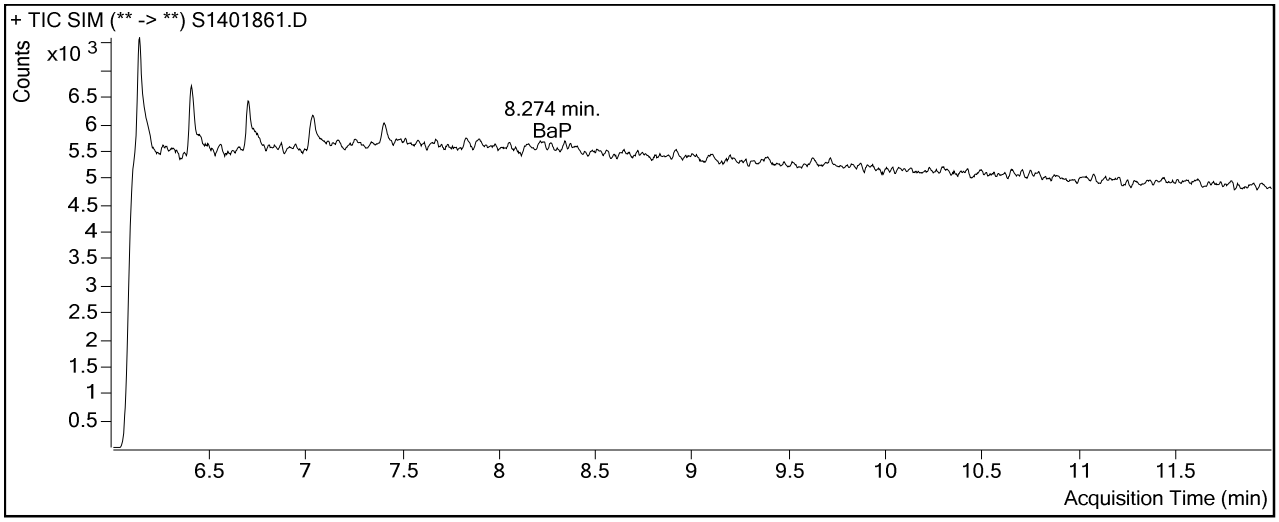
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 11:45	**Data File**	S1401861.D
Position	1	**Sample Name**	50:50 Tol:IsoOct blk
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	DoubleBlank	**Comment**	TSCStd-0040-7

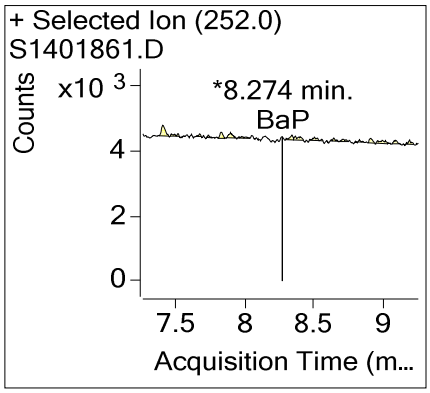
Sample Chromatogram

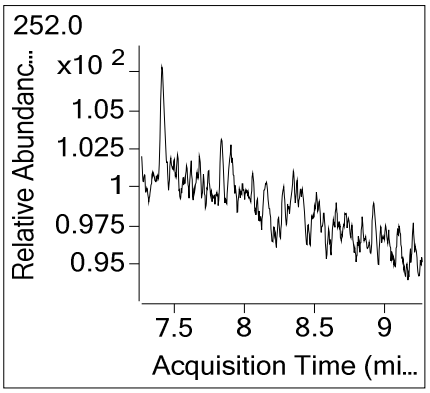


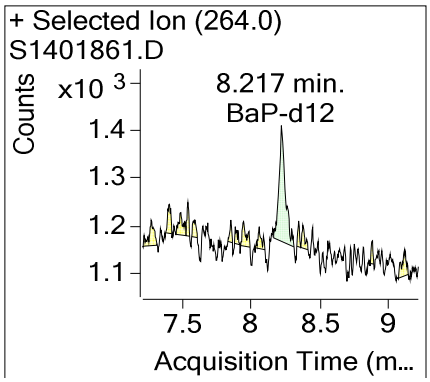
Quantitation Results

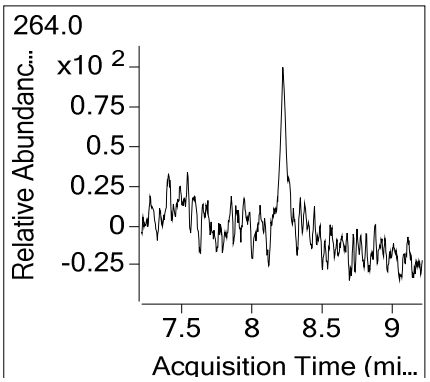
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.274	0.0000	

Compound Graphics









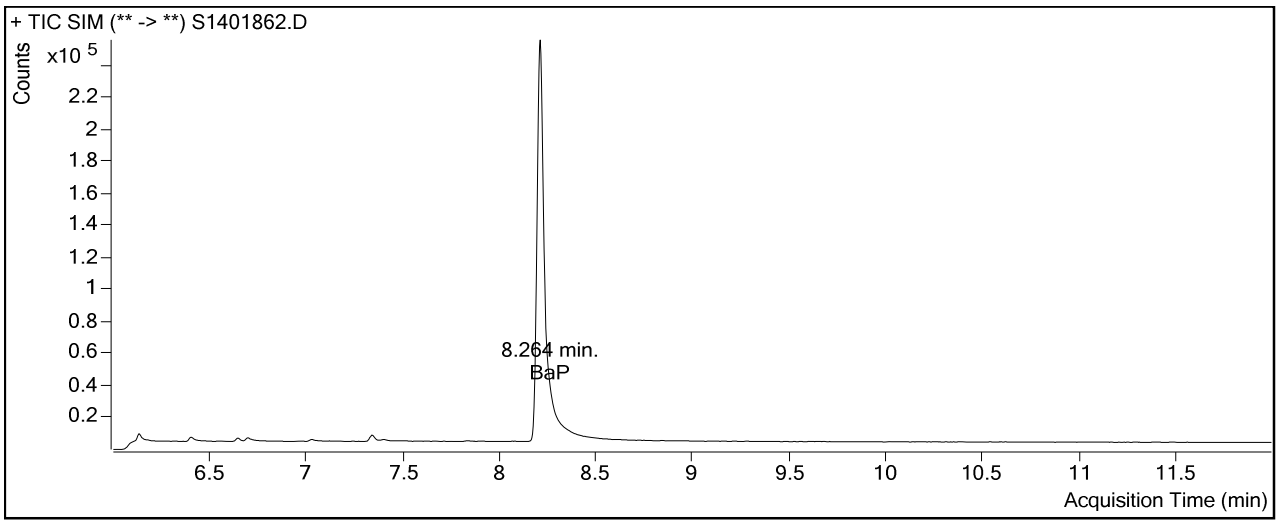
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 11:59	**Data File**	S1401862.D
Position	2	**Sample Name**	BaP Std 1 in Tol:IsoOct
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Calibration	**Comment**	TSCStd-0040-1

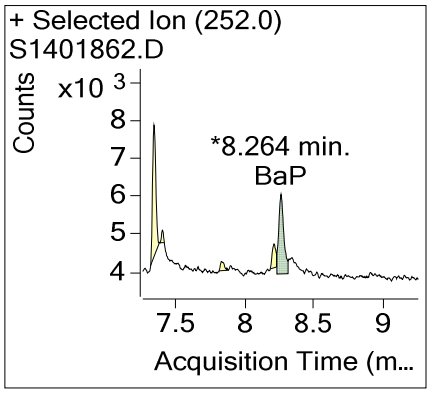
Sample Chromatogram

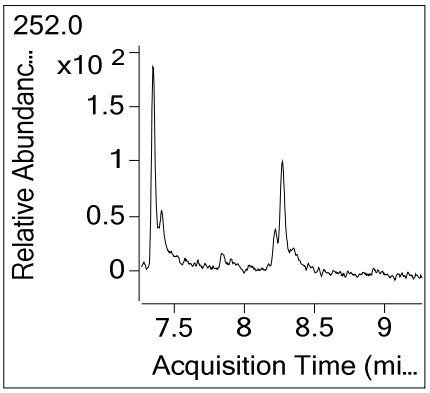


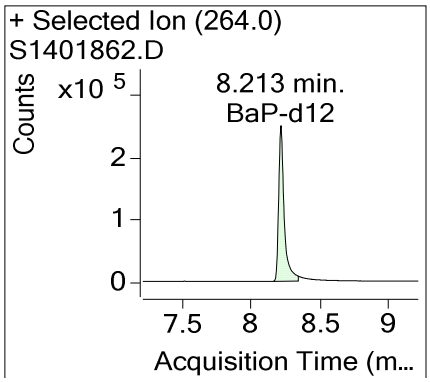
Quantitation Results

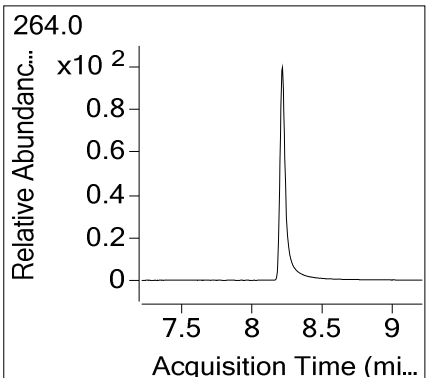
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.264	0.5358	102.63

Compound Graphics









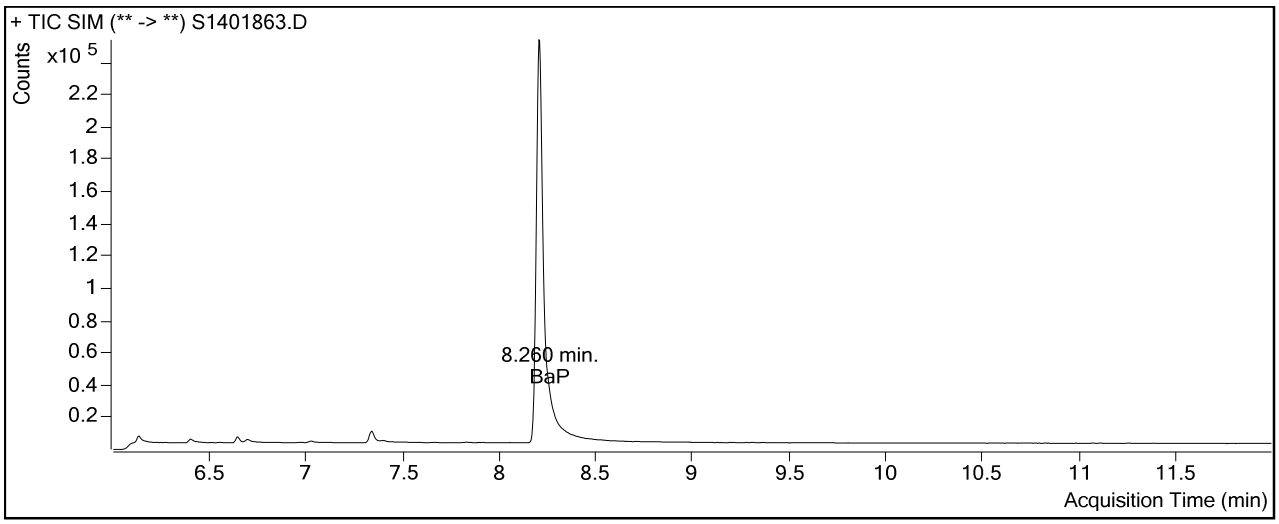
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 12:13	**Data File**	S1401863.D
Position	3	**Sample Name**	BaP Std 2 in Tol:IsoOct
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Calibration	**Comment**	TSCStd-0040-2

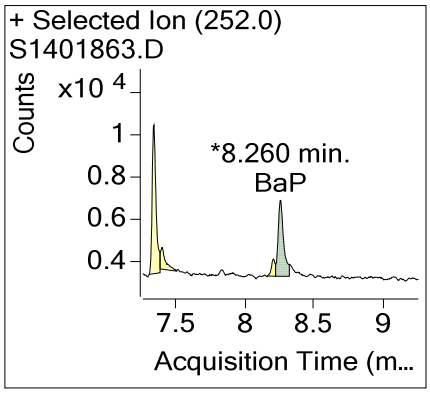
Sample Chromatogram

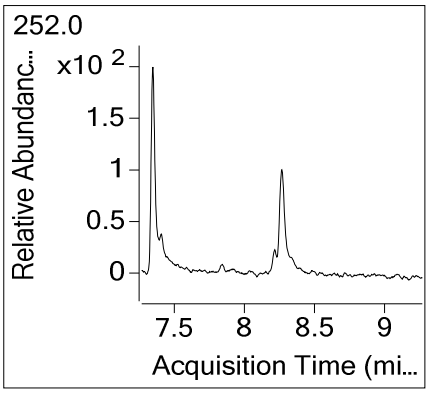


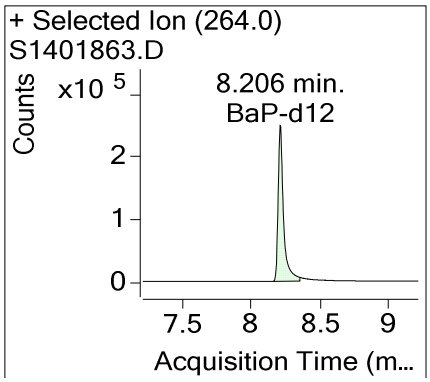
Quantitation Results

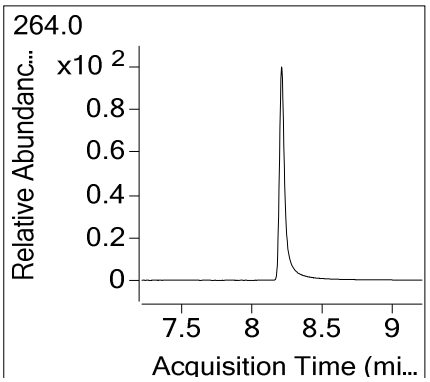
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.260	1.0036	99.96

Compound Graphics









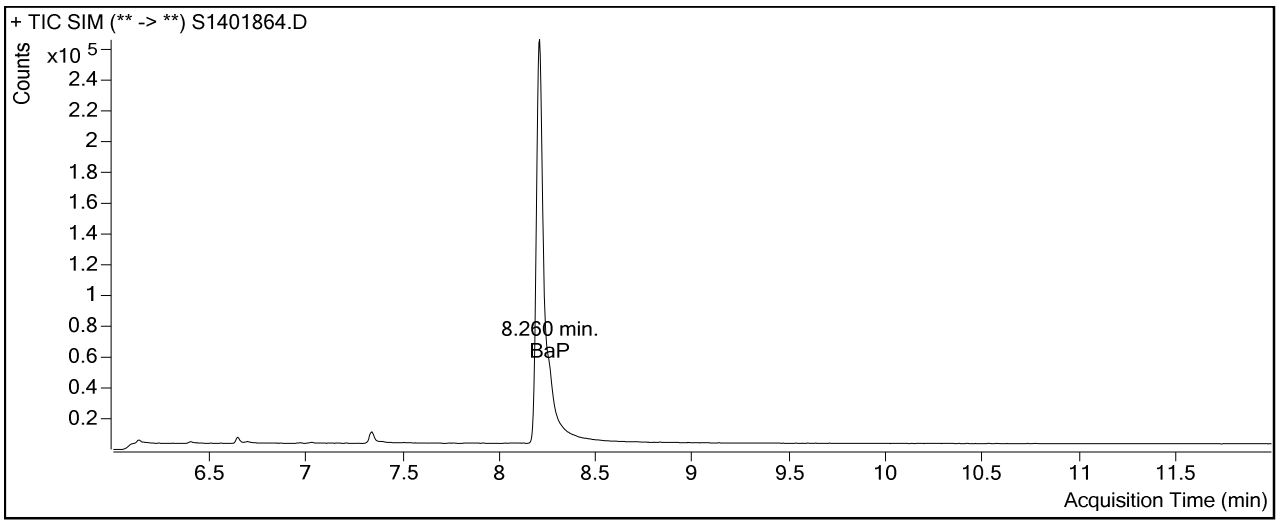
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 12:27	**Data File**	S1401864.D
Position	4	**Sample Name**	BaP Std 3 in Tol:IsoOct
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Calibration	**Comment**	TSCStd-0040-3

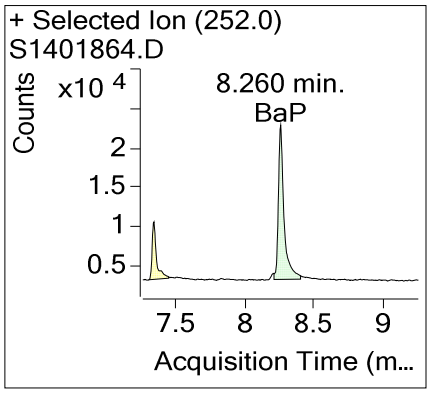
Sample Chromatogram

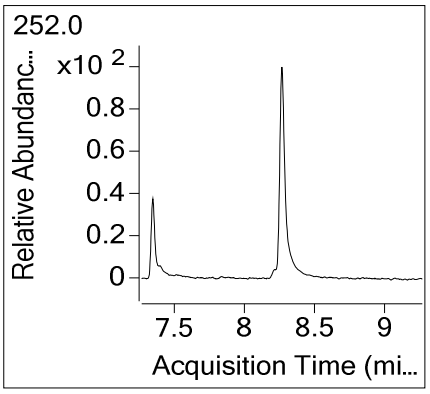


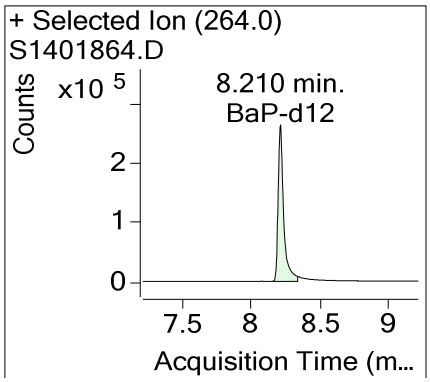
Quantitation Results

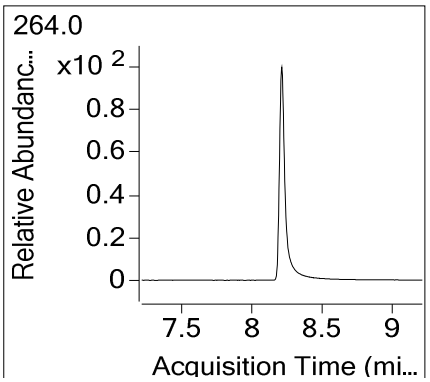
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.260	5.1842	99.30

Compound Graphics









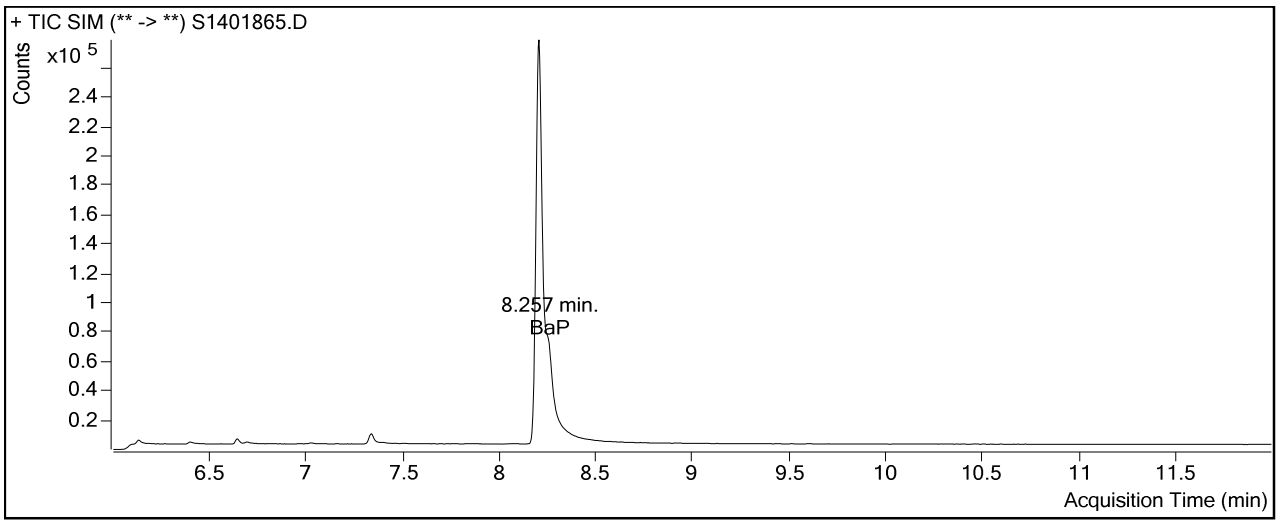
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 12:40	**Data File**	S1401865.D
Position	5	**Sample Name**	BaP Std 4 in Tol:IsoOct
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Calibration	**Comment**	TSCStd-0040-4

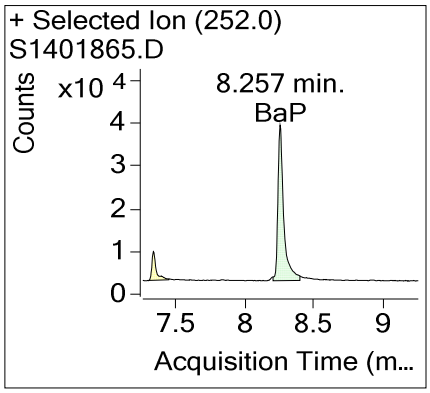
Sample Chromatogram

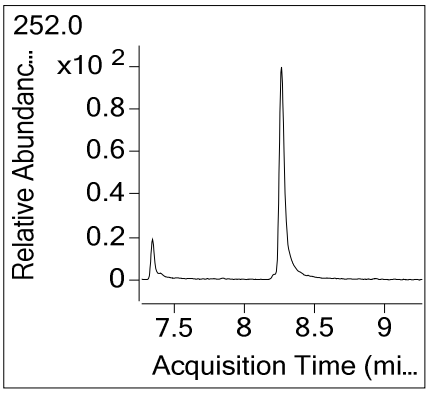


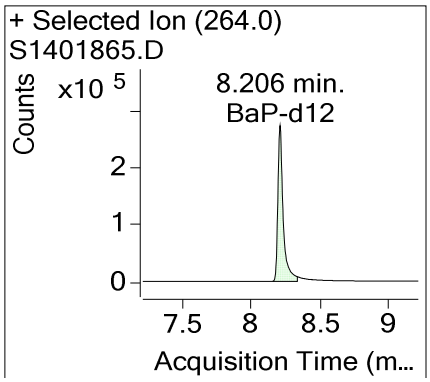
Quantitation Results

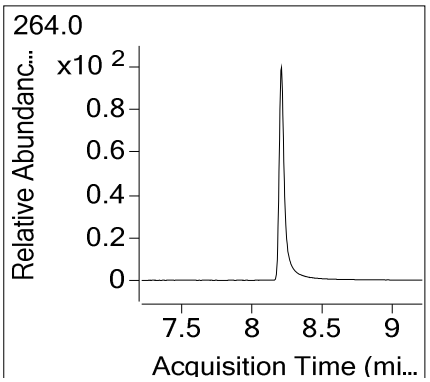
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.257	9.8900	98.51

Compound Graphics









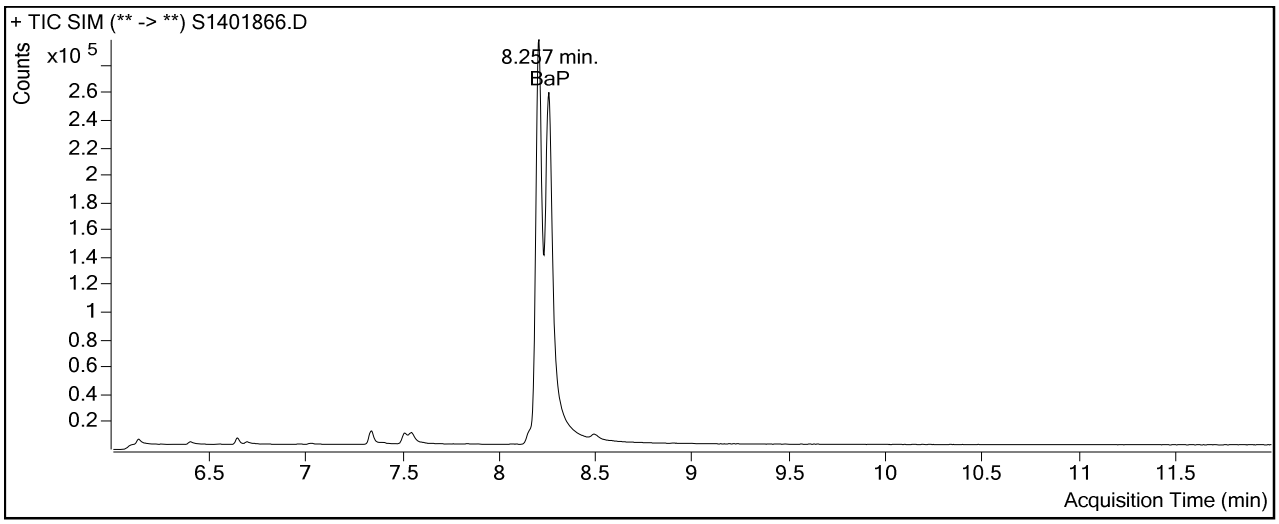
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 12:54	**Data File**	S1401866.D
Position	6	**Sample Name**	BaP Std 5 in Tol:IsoOct
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Calibration	**Comment**	TSCStd-0040-5

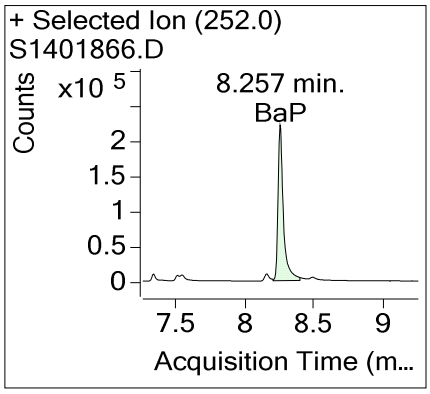
Sample Chromatogram

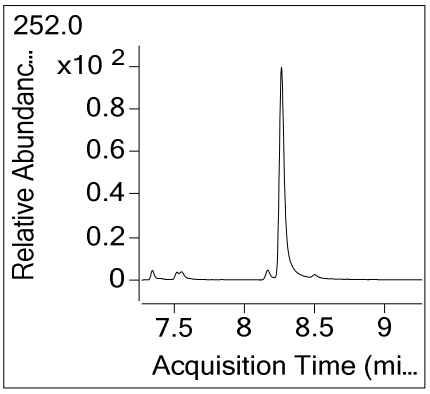


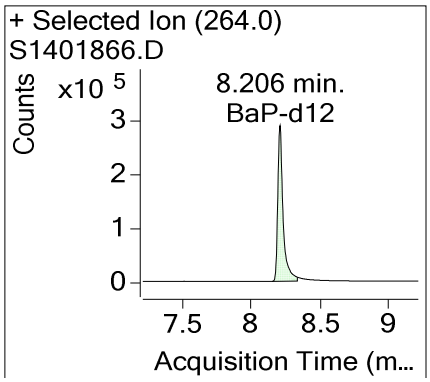
Quantitation Results

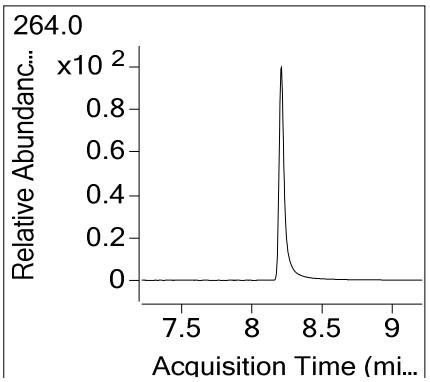
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.257	51.7322	99.09

Compound Graphics









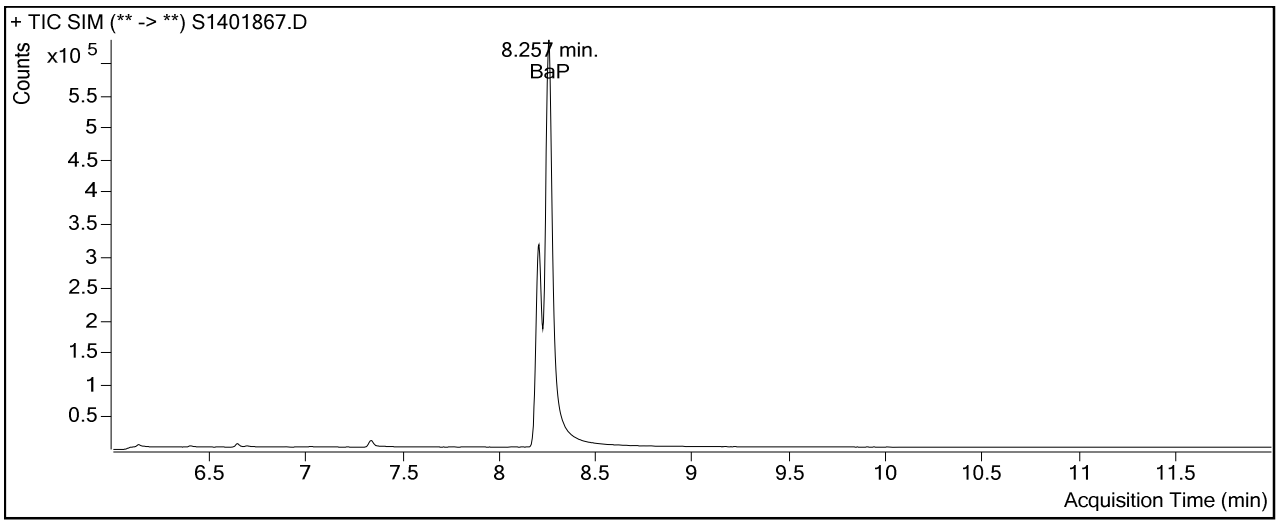
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 13:08	**Data File**	S1401867.D
Position	7	**Sample Name**	BaP Std 6 in Tol:IsoOct
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Calibration	**Comment**	TSCStd-0040-6

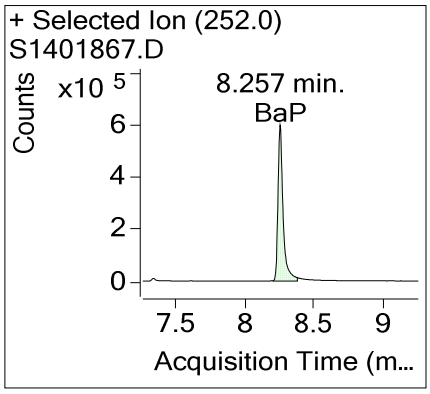
Sample Chromatogram

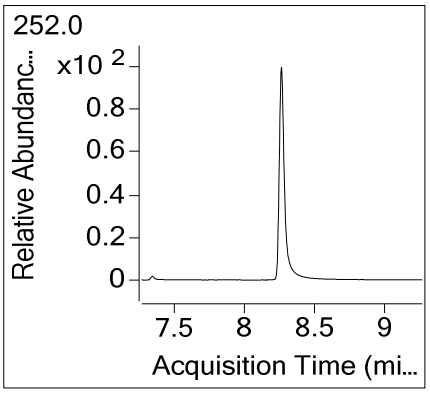


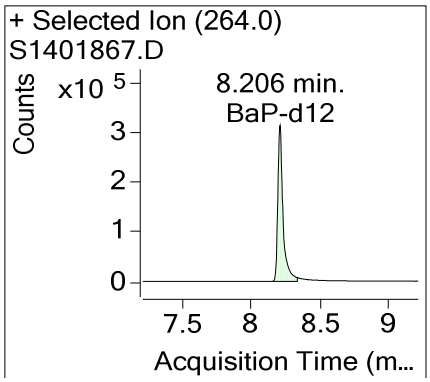
Quantitation Results

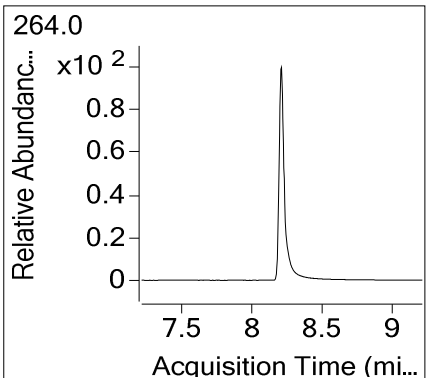
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.257	125.9483	100.52

Compound Graphics









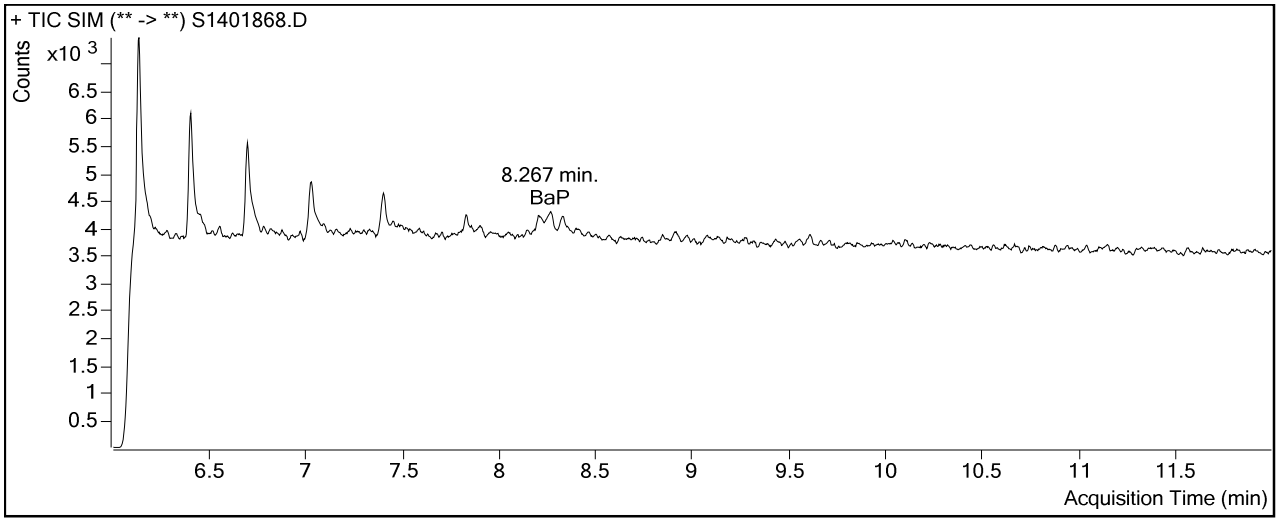
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 13:22	**Data File**	S1401868.D
Position	1	**Sample Name**	50:50 Tol:IsoOct blk
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	DoubleBlank	**Comment**	TSCStd-0040-7

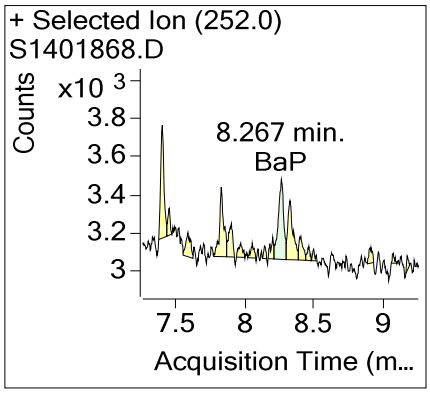
Sample Chromatogram

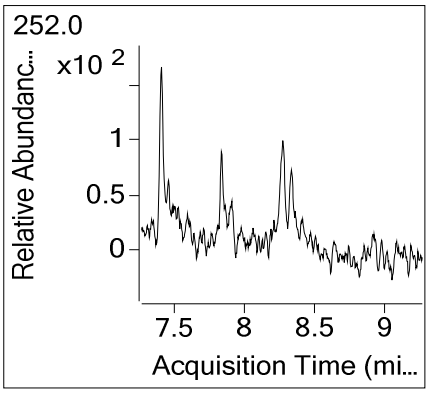


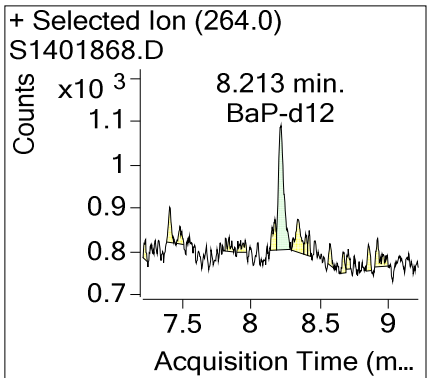
Quantitation Results

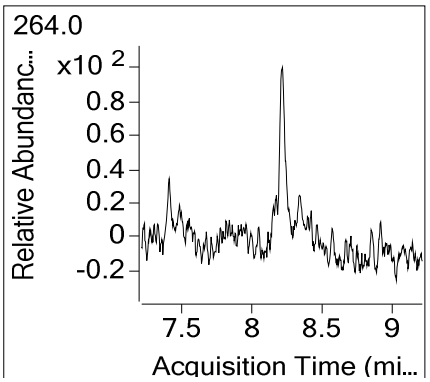
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.267	98.0960	

Compound Graphics









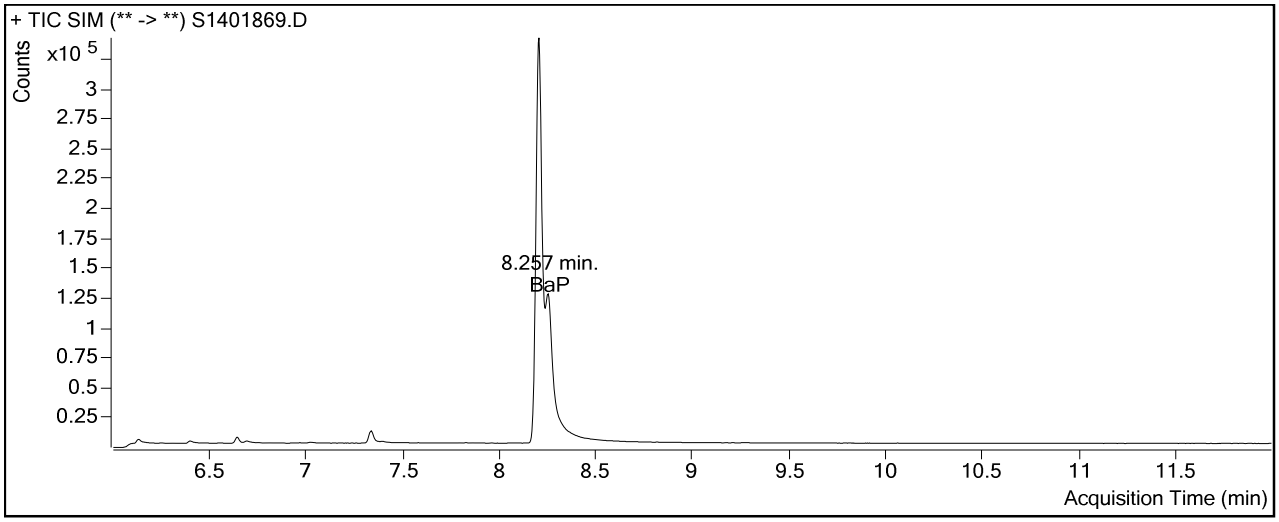
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-04 13:36	**Data File**	S1401869.D
Position	8	**Sample Name**	BaP SS
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	QC	**Comment**	TSCStd-0073-2

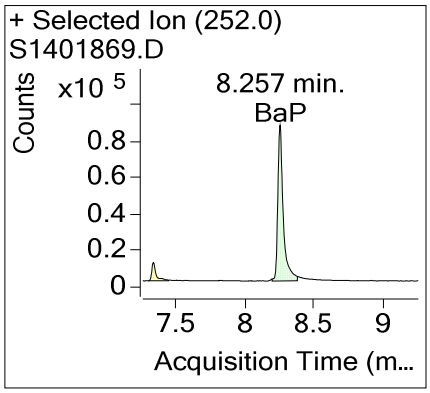
Sample Chromatogram

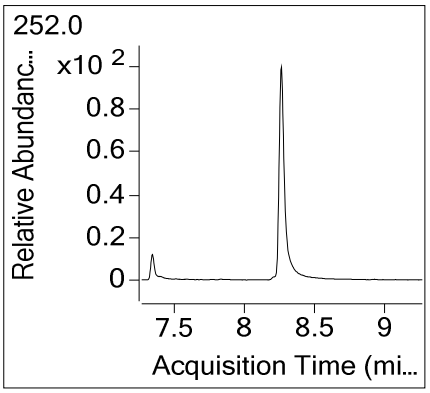


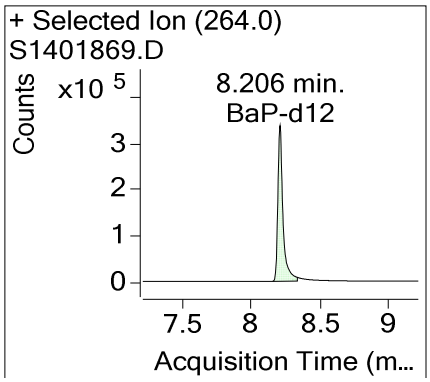
Quantitation Results

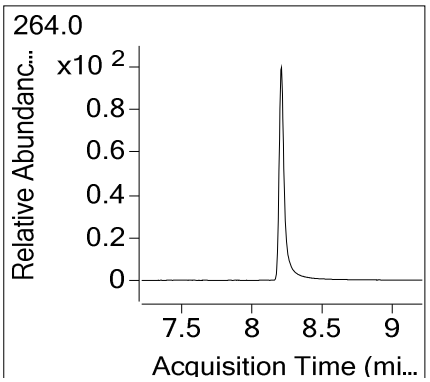
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.257	18.3021	91.30

Compound Graphics









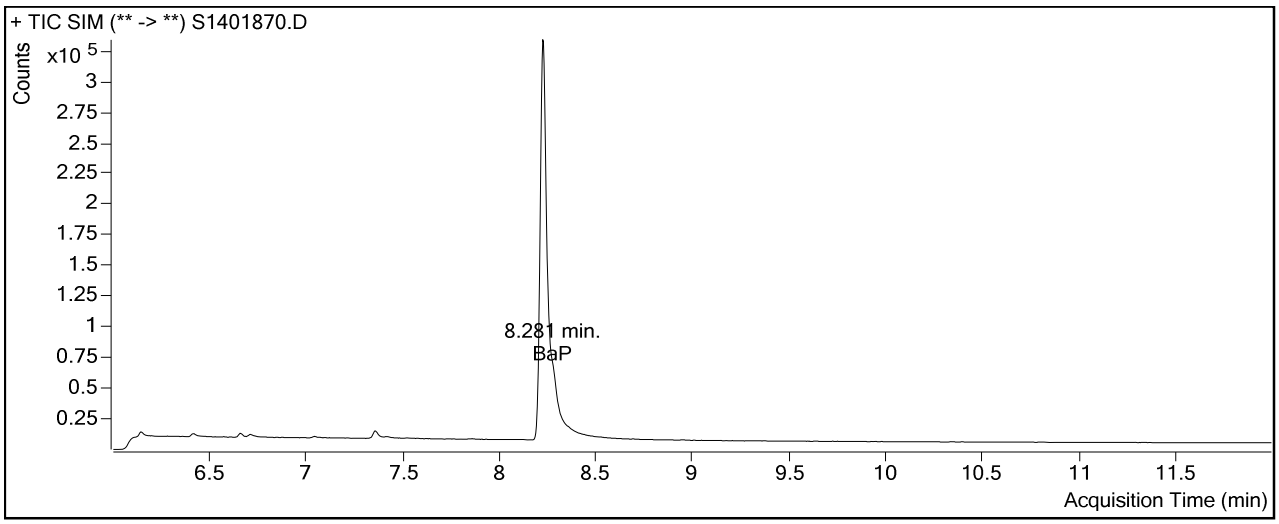
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-05 14:54	**Data File**	S1401870.D
Position	4	**Sample Name**	Concal (Std 3)
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	QC	**Comment**	TSCStd-0040-3

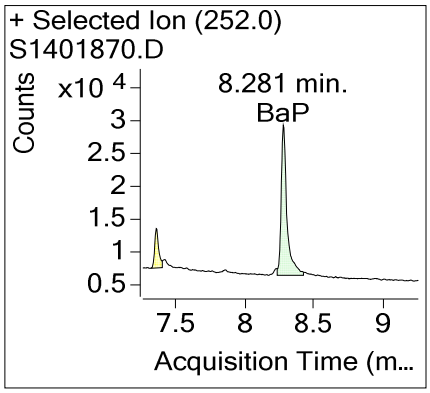
Sample Chromatogram

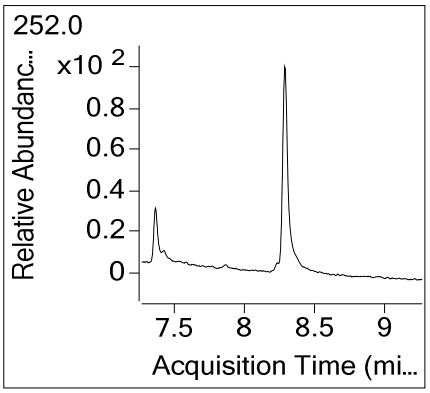


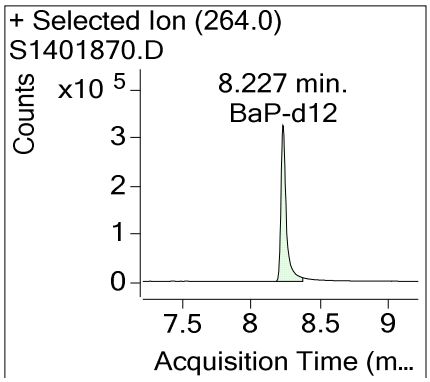
Quantitation Results

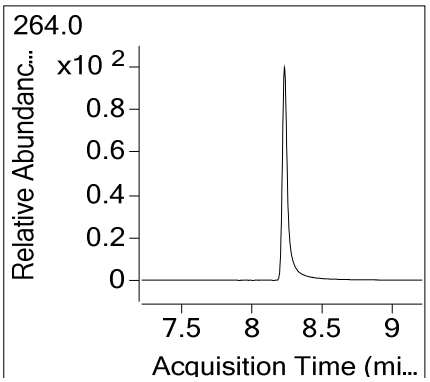
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.281	5.0840	97.38

Compound Graphics









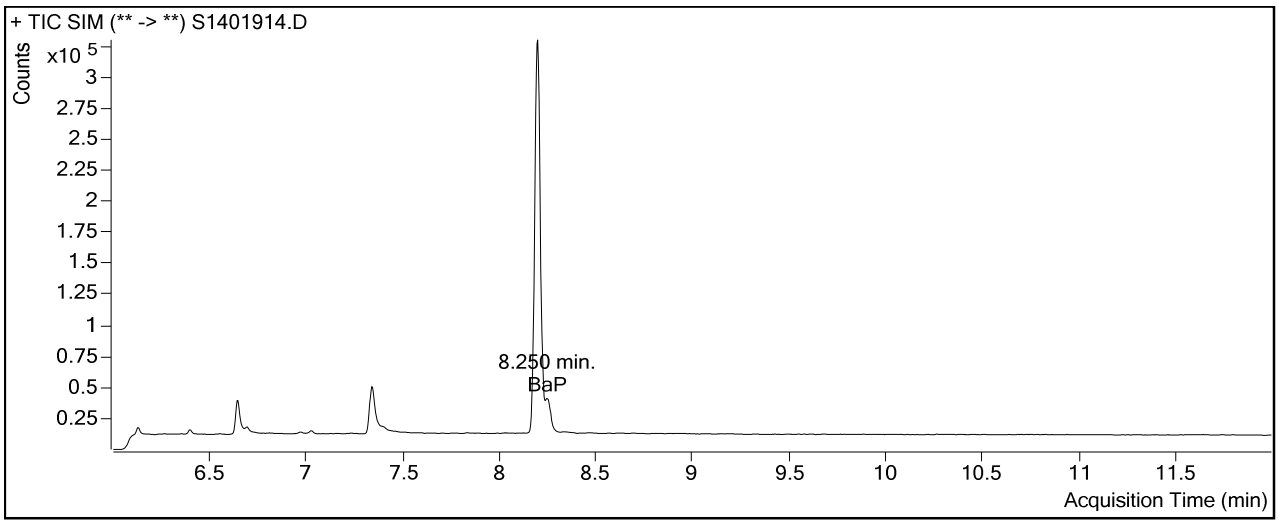
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 15:27	**Data File**	S1401914.D
Position	4	**Sample Name**	Concal (Std 3)
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	QC	**Comment**	TSCStd-0040-3

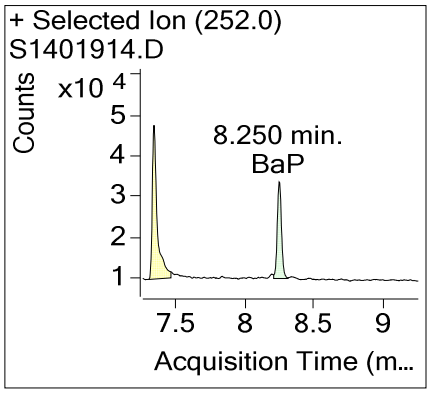
Sample Chromatogram

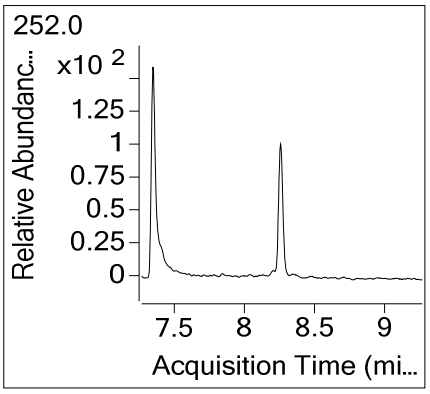


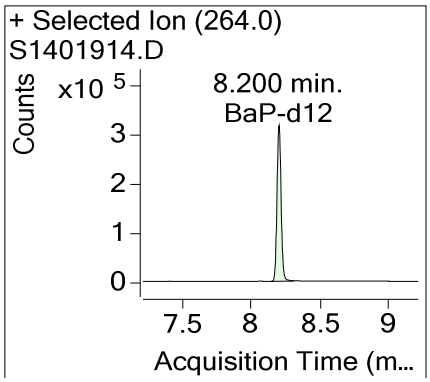
Quantitation Results

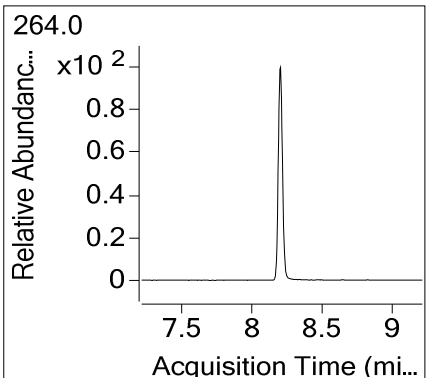
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.250	5.2127	99.85

Compound Graphics









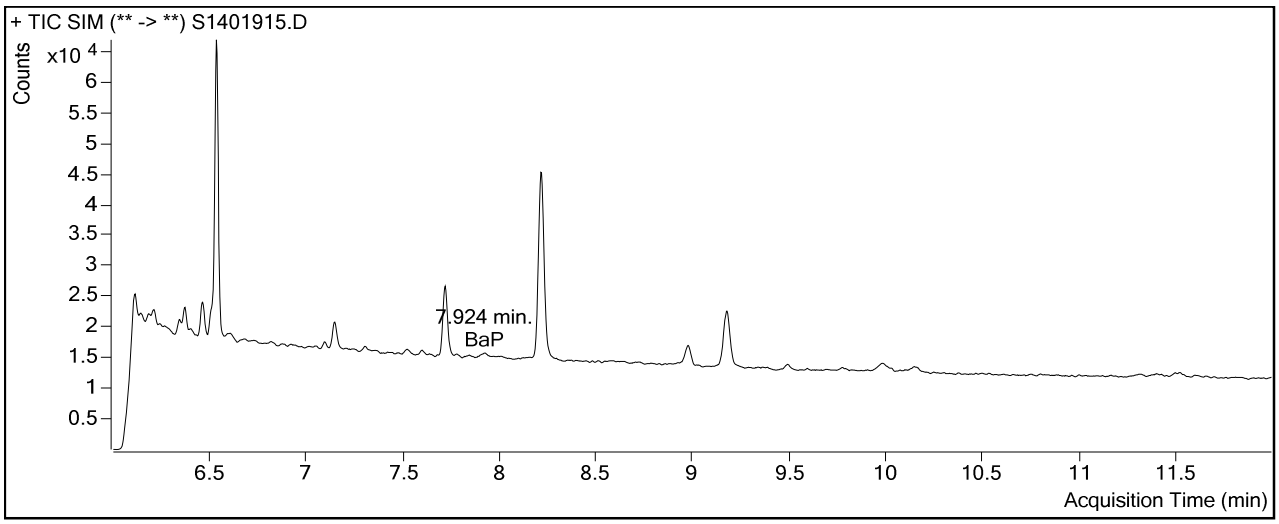
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 16:40	**Data File**	S1401915.D
Position	124	**Sample Name**	0814-52-01
Dilution	20	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Sample	**Comment**	TSCPrep p561

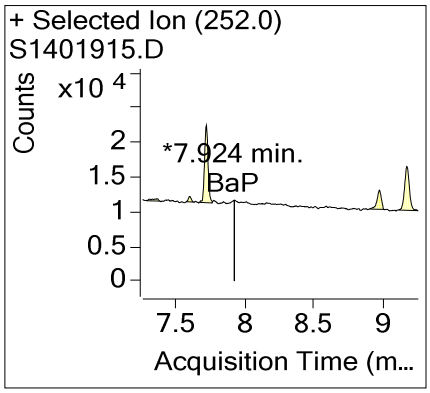
Sample Chromatogram

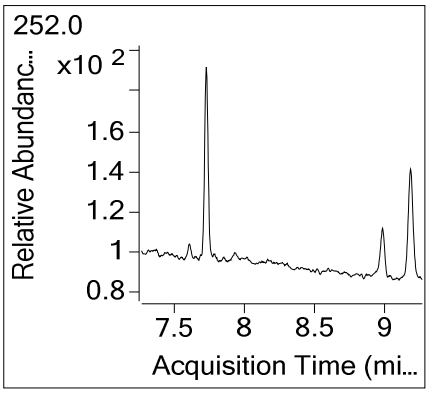


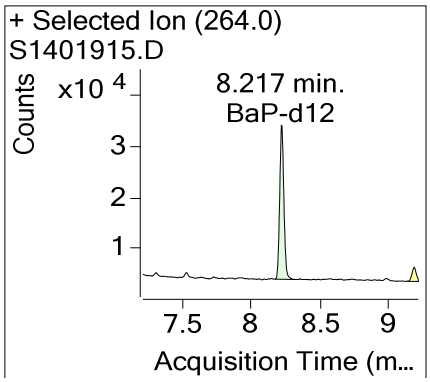
Quantitation Results

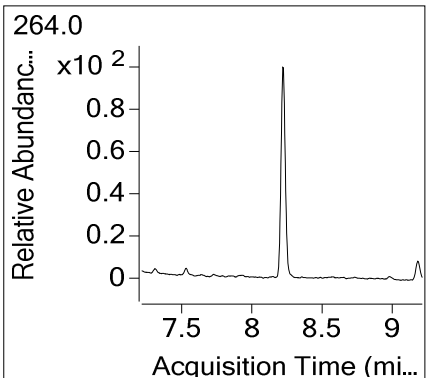
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	7.924	0.0000	

Compound Graphics









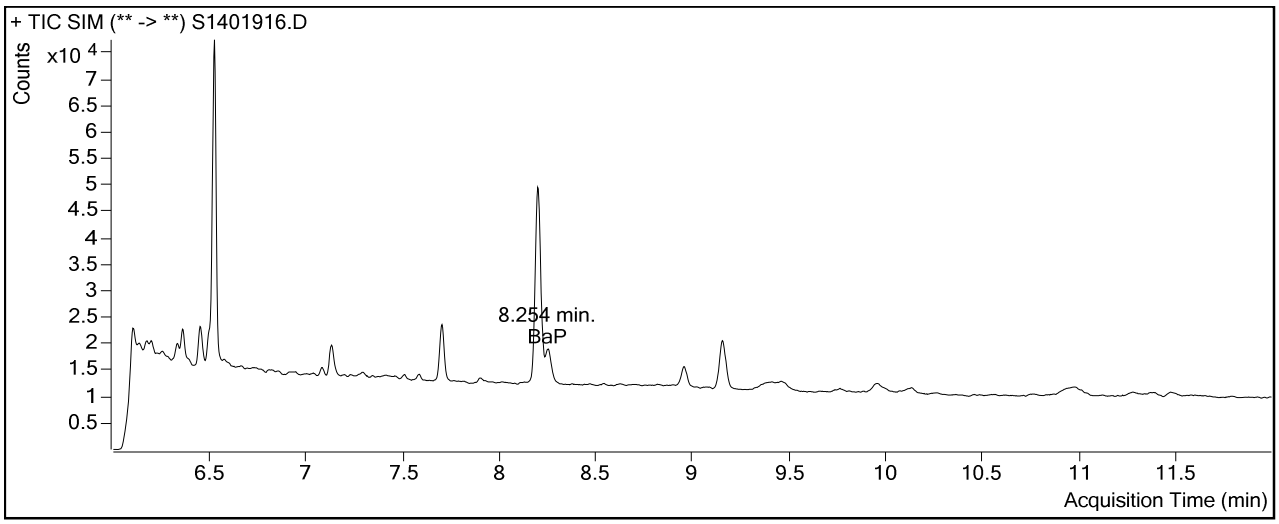
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 16:54	**Data File**	S1401916.D
Position	125	**Sample Name**	0814-52-01MS
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Sample	**Comment**	TSCPrep p561

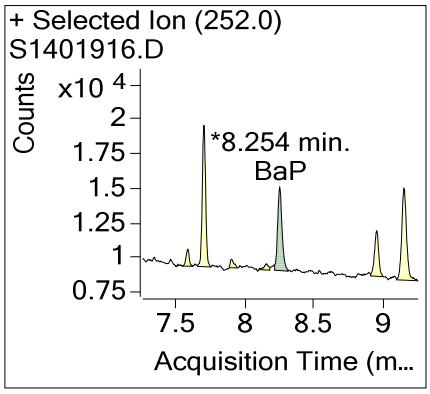
Sample Chromatogram

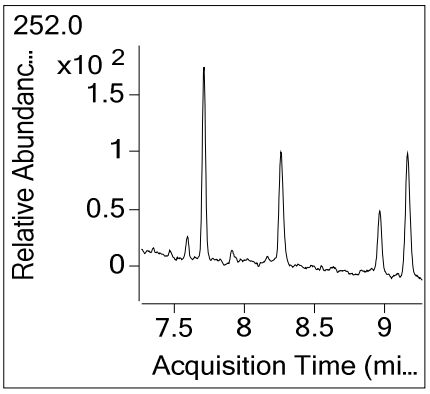


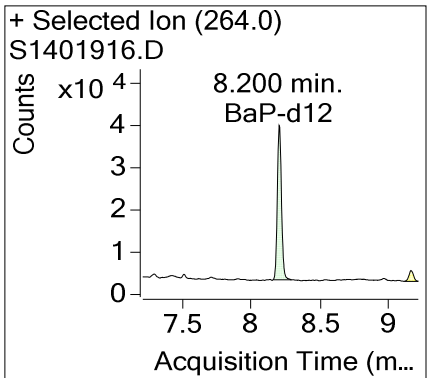
Quantitation Results

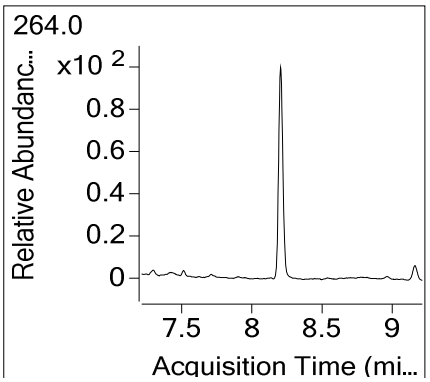
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.254	11.8577	

Compound Graphics









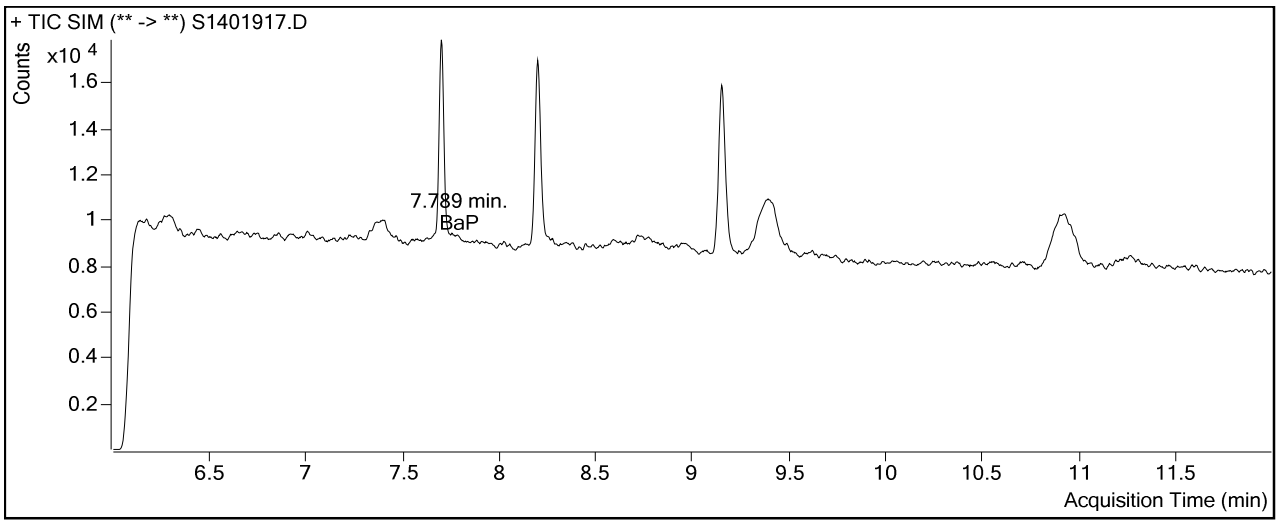
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 17:08	**Data File**	S1401917.D
Position	126	**Sample Name**	0814-52 BaP Blk-02
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	Sample	**Comment**	TSCPrep p561

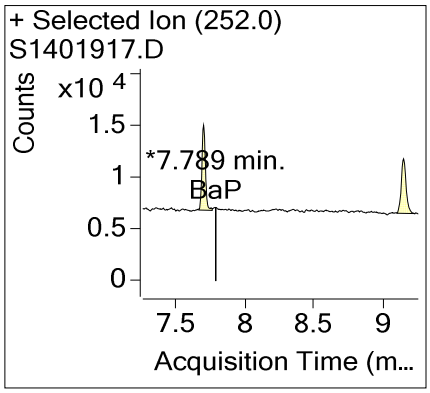
Sample Chromatogram

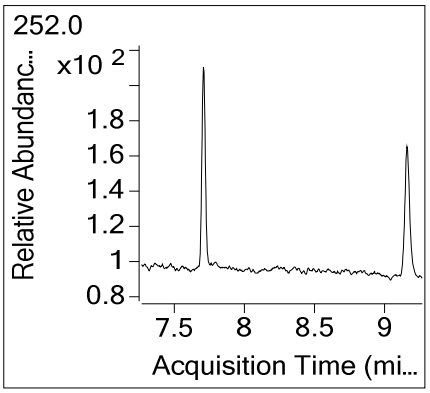


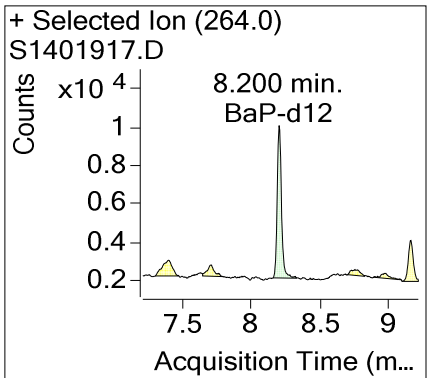
Quantitation Results

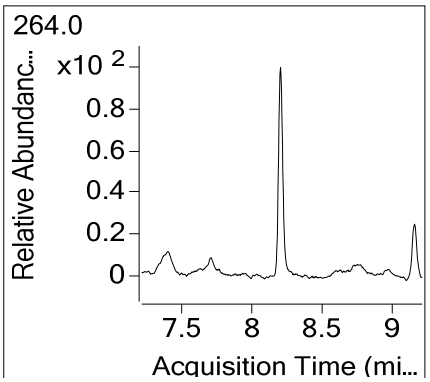
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	7.789	0.0000	

Compound Graphics









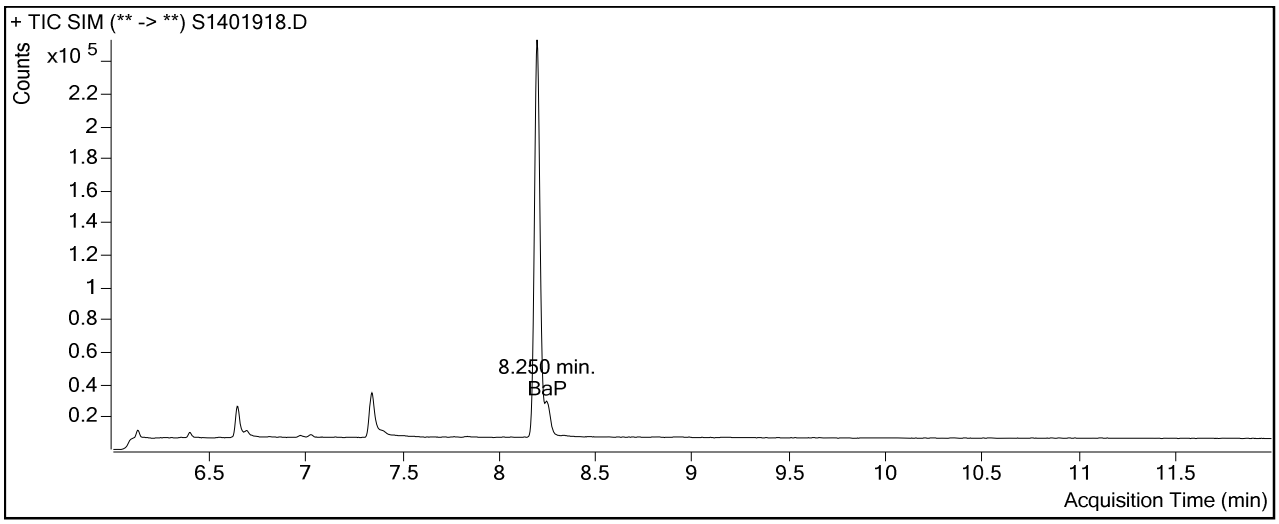
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\gcms2014Q3\Saphira\data\aug14\S080414A\QuantResults\S081414A 0814-52 BaP eliq.batch.bin		
Analysis Time	8/15/2014 10:15 AM	**Analyst Name**	EAINC\KHumphries
Report Time	8/15/2014 2:39 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:15 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 17:22	**Data File**	S1401918.D
Position	4	**Sample Name**	Concal (Std 3)
Dilution	1	**Sample Info**	
Inj Vol	1	**Acq Method File**	BaP CORESTA PSL-SIM-EI 01
Sample Type	QC	**Comment**	TSCStd-0040-3

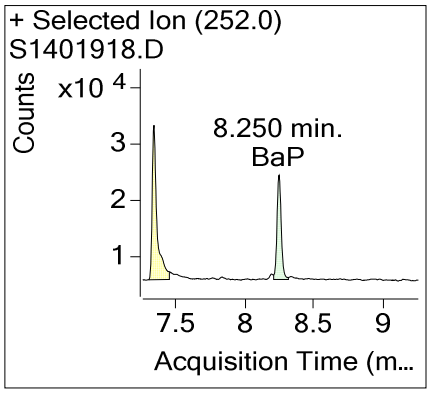
Sample Chromatogram

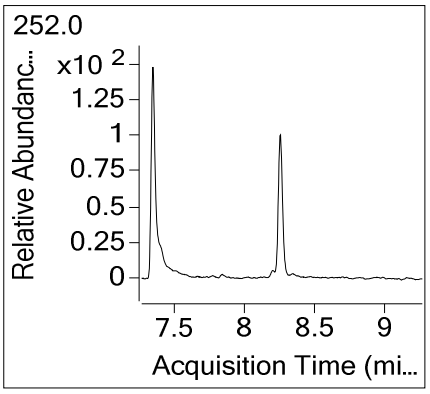


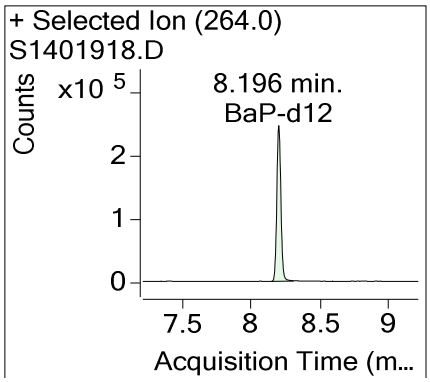
Quantitation Results

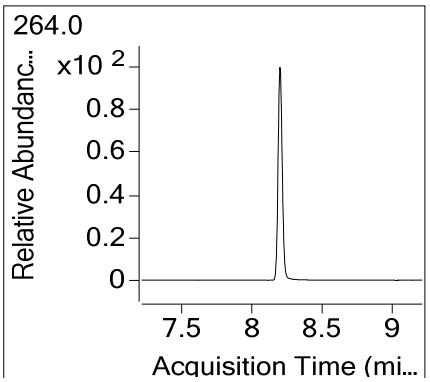
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
BaP	BaP-d12	8.250	5.2909	101.34

Compound Graphics









Raw Data

Quantitative Analysis Summary Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Quantitation Results

Target Compound *NNN*

SampleName	Sample Type	LevelName	Data File	AcqDateTime	Compound	Exp Conc (ng/mL)	Dilution	Final Conc (ng/mL)	Accuracy	2nd An. Review
CH2Cl2 blank	DoubleBlank		B1403250.D	2014-07-30T10:01:12-04:00	NNN		1	156.8145722		LAH 08/11/14
TSNAs ISTD blank	Blank		B1403251.D	2014-07-30T10:13:53-04:00	NNN		1	0.501851722		LAH 08/11/14
TSNAs Std 1	Calibration	1	B1403252.D	2014-07-30T10:26:30-04:00	NNN	1	1	1.114999292	111.4999292	LAH 08/11/14
TSNAs Std 2	Calibration	2	B1403253.D	2014-07-30T10:39:08-04:00	NNN	2	1	2.064700241	103.235012	LAH 08/11/14
TSNAs Std 3	Calibration	3	B1403254.D	2014-07-30T10:51:47-04:00	NNN	5	1	5.012664741	100.2532948	LAH 08/11/14
TSNAs Std 4	Calibration	4	B1403255.D	2014-07-30T11:04:23-04:00	NNN	10	1	9.597392107	95.97392107	LAH 08/11/14
TSNAs Std 5	Calibration	5	B1403256.D	2014-07-30T11:16:58-04:00	NNN	20	1	19.24115211	96.20576056	LAH 08/11/14
TSNAs Std 6	Calibration	6	B1403257.D	2014-07-30T11:29:35-04:00	NNN	50	1	48.23923317	96.47846634	LAH 08/11/14
TSNAs Std 7	Calibration	7	B1403258.D	2014-07-30T11:42:10-04:00	NNN	100	1	97.04831541	97.04831541	LAH 08/11/14
TSNAs Std 8	Calibration	8	B1403259.D	2014-07-30T11:54:45-04:00	NNN	200	1	197.4192035	98.70960177	LAH 08/11/14
TSNAs Std 9	Calibration	9	B1403260.D	2014-07-30T12:07:20-04:00	NNN	500	1	497.6946485	99.5389297	LAH 08/11/14
TSNAs Std 10	Calibration	10	B1403261.D	2014-07-30T12:19:57-04:00	NNN	1000	1	1010.567691	101.0567691	LAH 08/11/14
CH2Cl2 blank	DoubleBlank		B1403262.D	2014-07-30T12:32:30-04:00	NNN		1	462.5795318		LAH 08/11/14
TSNAs SS Std	QC	SS	B1403263.D	2014-07-30T12:45:04-04:00	NNN	50	1	47.20837726	94.41675451	LAH 08/11/14
Concal (TSNAs Std 5)	QC	5	B1403264.D	2014-07-30T12:57:39-04:00	NNN	20	1	19.69359401	98.46797005	LAH 08/11/14
Concal (TSNAs Std 4)	QC	4	B1403301.D	2014-08-14T12:48:42-04:00	NNN	10	1	10.47062833	104.7062833	KEH 08/15/14
0814-52-01	Sample		B1403302.D	2014-08-14T14:49:55-04:00	NNN		10	3.301863141		KEH 08/15/14
0814-52-01MS	Sample		B1403303.D	2014-08-14T15:02:29-04:00	NNN		1	9.569037436		KEH 08/15/14
0814-52 NAs Blk-01	Sample		B1403304.D	2014-08-14T15:15:09-04:00	NNN		1	0.255365361		KEH 08/15/14
Concal (TSNAs Std 4)	QC	4	B1403305.D	2014-08-14T15:27:39-04:00	NNN	10	1	9.695998712	96.95998712	KEH 08/15/14

Target Compound *NNK*

SampleName	Sample Type	LevelName	Data File	AcqDateTime	Compound	Exp Conc (ng/mL)	Dilution	Final Conc (ng/mL)	Accuracy	2nd An. Review
CH2Cl2 blank	DoubleBlank		B1403250.D	2014-07-30T10:01:12-04:00	NNK		1	71.01532888		LAH 08/11/14
TSNAs ISTD blank	Blank		B1403251.D	2014-07-30T10:13:53-04:00	NNK		1	0.531611426		LAH 08/11/14
TSNAs Std 1	Calibration	1	B1403252.D	2014-07-30T10:26:30-04:00	NNK	1	1	1.167513184	116.7513184	LAH 08/11/14
TSNAs Std 2	Calibration	2	B1403253.D	2014-07-30T10:39:08-04:00	NNK	2	1	2.071931904	103.5965952	LAH 08/11/14
TSNAs Std 3	Calibration	3	B1403254.D	2014-07-30T10:51:47-04:00	NNK	5	1	4.803483647	96.06967295	LAH 08/11/14
TSNAs Std 4	Calibration	4	B1403255.D	2014-07-30T11:04:23-04:00	NNK	10	1	9.333175249	93.33175249	LAH 08/11/14
TSNAs Std 5	Calibration	5	B1403256.D	2014-07-30T11:16:58-04:00	NNK	20	1	18.60820879	93.04104395	LAH 08/11/14
TSNAs Std 6	Calibration	6	B1403257.D	2014-07-30T11:29:35-04:00	NNK	50	1	47.94654763	95.89309526	LAH 08/11/14
TSNAs Std 7	Calibration	7	B1403258.D	2014-07-30T11:42:10-04:00	NNK	100	1	98.56390401	98.56390401	LAH 08/11/14
TSNAs Std 8	Calibration	8	B1403259.D	2014-07-30T11:54:45-04:00	NNK	200	1	205.5052356	102.7526178	LAH 08/11/14
TSNAs Std 9	Calibration	9	B1403260.D	2014-07-30T12:07:20-04:00	NNK	500	1	570.6883727	114.1376745	LAH 08/11/14
TSNAs Std 10	Calibration	10	B1403261.D	2014-07-30T12:19:57-04:00	NNK	1000	1	1271.124586	127.1124586	LAH 08/11/14
CH2Cl2 blank	DoubleBlank		B1403262.D	2014-07-30T12:32:30-04:00	NNK		1			LAH 08/11/14
TSNAs SS Std	QC	SS	B1403263.D	2014-07-30T12:45:04-04:00	NNK	50	1	47.4409205	94.88184101	LAH 08/11/14
Concal (TSNAs Std 5)	QC	5	B1403264.D	2014-07-30T12:57:39-04:00	NNK	20	1	19.24335951	96.21679755	LAH 08/11/14

Concal (TSNAs Std 4)	QC	4	B1403301.D	2014-08-14T12:48:42-04:00	NNK	10	1	9.440249812	94.40249812	KEH 08/15/14
0814-52-01	Sample		B1403302.D	2014-08-14T14:49:55-04:00	NNK		10	3.238229293		KEH 08/15/14
0814-52-01MS	Sample		B1403303.D	2014-08-14T15:02:29-04:00	NNK		1	8.856726609		KEH 08/15/14
0814-52 NAs Blk-01	Sample		B1403304.D	2014-08-14T15:15:09-04:00	NNK		1	0.292888071		KEH 08/15/14
Concal (TSNAs Std 4)	QC	4	B1403305.D	2014-08-14T15:27:39-04:00	NNK	10	1	9.243851973	92.43851973	KEH 08/15/14

Quantitative Analysis Calibration Report

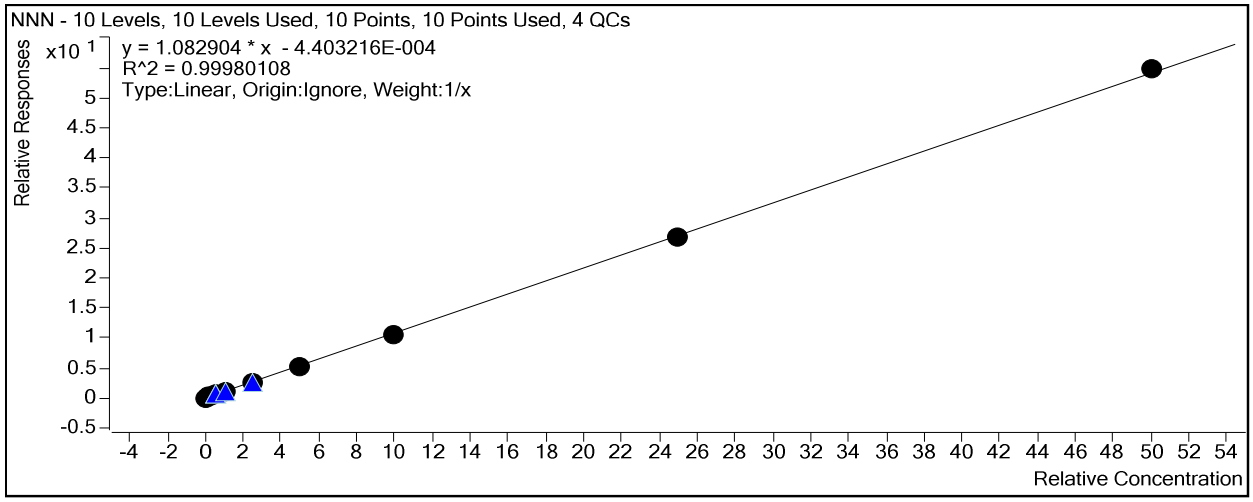
Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Calibration Info

ISTD Compound *NNN-d4*

Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
D:\Data\MS2014Q3\Bender\dat	Calibration	1	☑	63331	20.0000	3166.5406
D:\Data\MS2014Q3\Bender\dat	Calibration	10	☑	88225	20.0000	4411.2473
D:\Data\MS2014Q3\Bender\dat	Calibration	2	☑	66330	20.0000	3316.4793
D:\Data\MS2014Q3\Bender\dat	Calibration	3	☑	69843	20.0000	3492.1666
D:\Data\MS2014Q3\Bender\dat	Calibration	4	☑	79219	20.0000	3960.9556
D:\Data\MS2014Q3\Bender\dat	QC	4	☑	16651	20.0000	832.5628
D:\Data\MS2014Q3\Bender\dat	QC	4	☑	34275	20.0000	1713.7678
D:\Data\MS2014Q3\Bender\dat	Calibration	5	☑	78894	20.0000	3944.6842
D:\Data\MS2014Q3\Bender\dat	QC	5	☑	74640	20.0000	3731.9934
D:\Data\MS2014Q3\Bender\dat	Calibration	6	☑	76675	20.0000	3833.7746
D:\Data\MS2014Q3\Bender\dat	Calibration	7	☑	75339	20.0000	3766.9569
D:\Data\MS2014Q3\Bender\dat	Calibration	8	☑	76655	20.0000	3832.7704
D:\Data\MS2014Q3\Bender\dat	Calibration	9	☑	85966	20.0000	4298.2944
D:\Data\MS2014Q3\Bender\dat	QC	SS	☑	63491	20.0000	3174.5417

Target Compound *NNN*



Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
D:\Data\MS2014Q3\Bender\dat	Calibration	1	☑	3796	1.0000	1.1986
D:\Data\MS2014Q3\Bender\dat	Calibration	10	☑	4827402	1000.0000	1.0943
D:\Data\MS2014Q3\Bender\dat	Calibration	2	☑	7386	2.0000	1.1135
D:\Data\MS2014Q3\Bender\dat	Calibration	3	☑	18926	5.0000	1.0839
D:\Data\MS2014Q3\Bender\dat	Calibration	4	☑	41132	10.0000	1.0384
D:\Data\MS2014Q3\Bender\dat	QC	4	☑	9433	10.0000	1.1330
D:\Data\MS2014Q3\Bender\dat	QC	4	☑	17979	10.0000	1.0491
D:\Data\MS2014Q3\Bender\dat	Calibration	5	☑	82158	20.0000	1.0414
D:\Data\MS2014Q3\Bender\dat	QC	5	☑	79557	20.0000	1.0659

D:\Data\MS2014Q3\Bender\dat	Calibration	6	☑	200237	50.0000	1.0446
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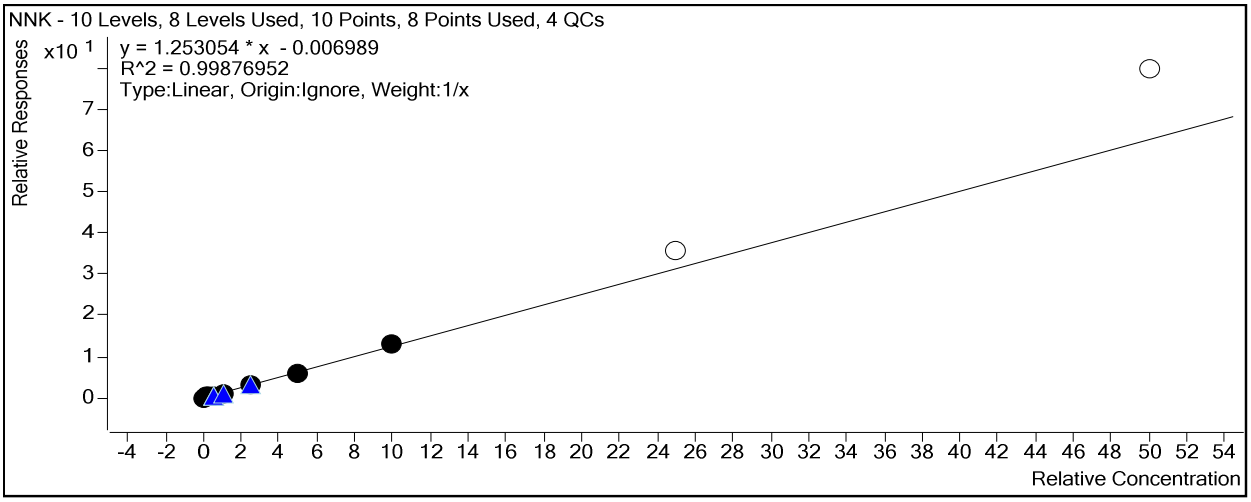
D:\Data\MS2014Q3\Bender\dat	Calibration	8	☑	819359	200.0000	1.0689
D:\Data\MS2014Q3\Bender\dat	Calibration	9	☑	2316553	500.0000	1.0779
D:\Data\MS2014Q3\Bender\dat	QC	SS	☑	162261	50.0000	1.0223

ISTD Compound *NNK-d4*

Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
D:\Data\MS2014Q3\Bender\dat	Calibration	1	☑	12660	20.0000	632.9975
D:\Data\MS2014Q3\Bender\dat	Calibration	10	☑	22440	20.0000	1122.0069
D:\Data\MS2014Q3\Bender\dat	Calibration	2	☑	12260	20.0000	613.0192
D:\Data\MS2014Q3\Bender\dat	Calibration	3	☑	15095	20.0000	754.7290
D:\Data\MS2014Q3\Bender\dat	Calibration	4	☑	15525	20.0000	776.2489
D:\Data\MS2014Q3\Bender\dat	QC	4	☑	5463	20.0000	273.1606
D:\Data\MS2014Q3\Bender\dat	QC	4	☑	8614	20.0000	430.7178
D:\Data\MS2014Q3\Bender\dat	Calibration	5	☑	16236	20.0000	811.8067
D:\Data\MS2014Q3\Bender\dat	QC	5	☑	15083	20.0000	754.1705
D:\Data\MS2014Q3\Bender\dat	Calibration	6	☑	15856	20.0000	792.7883
D:\Data\MS2014Q3\Bender\dat	Calibration	7	☑	16220	20.0000	811.0023
D:\Data\MS2014Q3\Bender\dat	Calibration	8	☑	16411	20.0000	820.5352
D:\Data\MS2014Q3\Bender\dat	Calibration	9	☑	18279	20.0000	913.9450
D:\Data\MS2014Q3\Bender\dat	QC	SS	☑	14037	20.0000	701.8372

Target Compound *NNK*



Calibration STD	Cal Type	Level	Enabled	Response	Exp Conc	RF
D:\Data\MS2014Q3\Bender\dat	Calibration	1	☑	838	1.0000	1.3232
D:\Data\MS2014Q3\Bender\dat	Calibration	10	☐	1786962	1000.0000	1.5926
D:\Data\MS2014Q3\Bender\dat	Calibration	2	☑	1506	2.0000	1.2282
D:\Data\MS2014Q3\Bender\dat	Calibration	3	☑	4437	5.0000	1.1758
D:\Data\MS2014Q3\Bender\dat	Calibration	4	☑	8970	10.0000	1.1555
D:\Data\MS2014Q3\Bender\dat	QC	4	☑	3193	10.0000	1.1689
D:\Data\MS2014Q3\Bender\dat	QC	4	☑	4929	10.0000	1.1443
D:\Data\MS2014Q3\Bender\dat	Calibration	5	☑	18815	20.0000	1.1589
D:\Data\MS2014Q3\Bender\dat	QC	5	☑	18080	20.0000	1.1987

D:\Data\MS2014Q3\Bender\dat	Calibration	6	☑	47520	50.0000	1.1988
D:\Data\MS2014Q3\Bender\dat	Calibration	7	☑	100050	100.0000	1.2337
D:\Data\MS2014Q3\Bender\dat	Calibration	8	☑	211181	200.0000	1.2868
D:\Data\MS2014Q3\Bender\dat	Calibration	9	☐	653437	500.0000	1.4299
D:\Data\MS2014Q3\Bender\dat	QC	SS	☑	41623	50.0000	1.1861

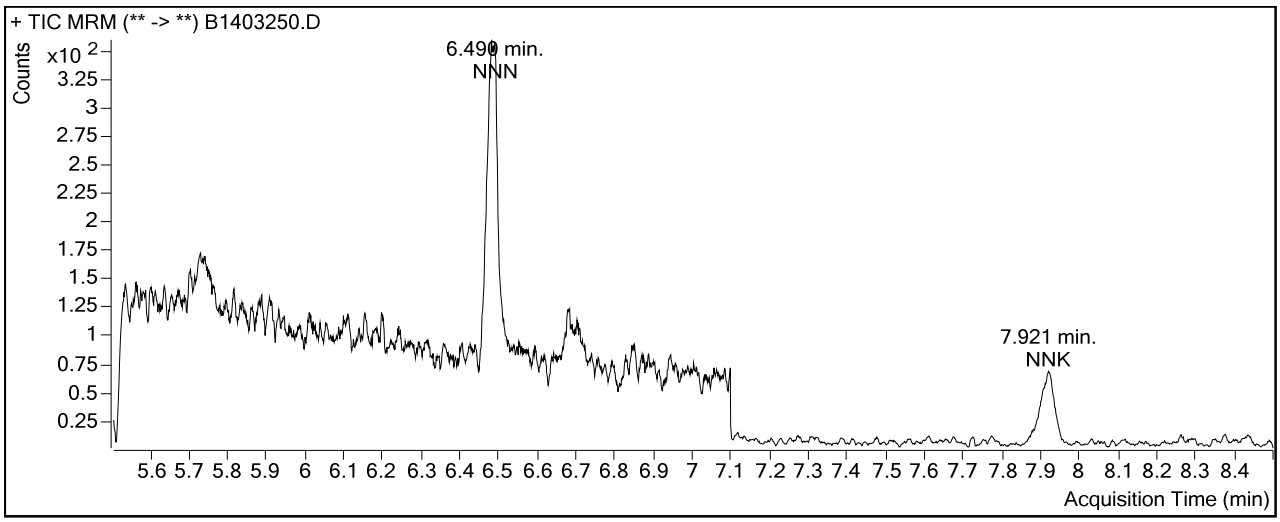
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 10:01	**Data File**	B1403250.D
Position	1	**Sample Name**	CH2Cl2 blank
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	DoubleBlank	**Comment**	

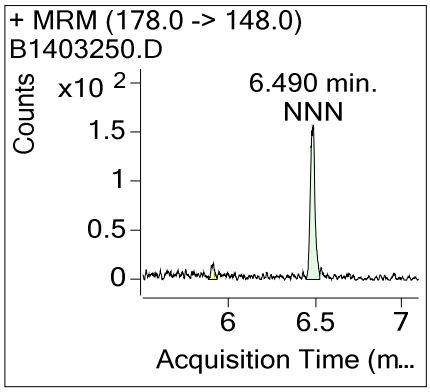
Sample Chromatogram

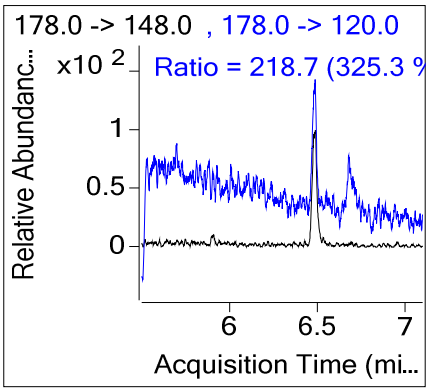


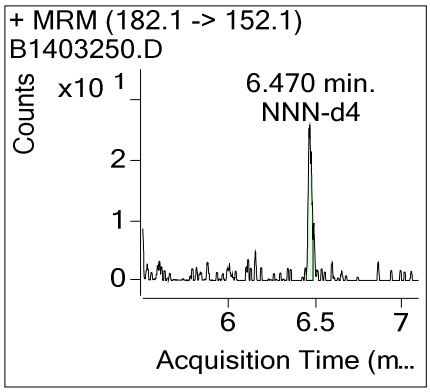
Quantitation Results

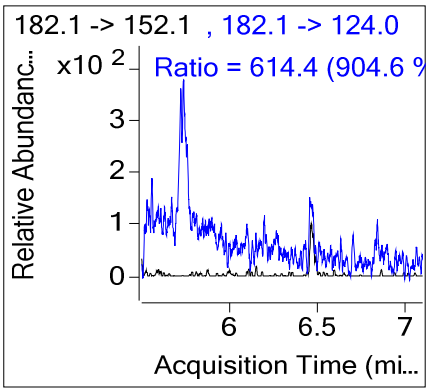
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.490	156.8146	
NNK	NNK-d4	7.921	71.0153	

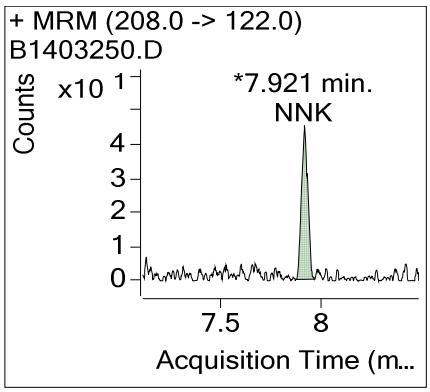
Compound Graphics

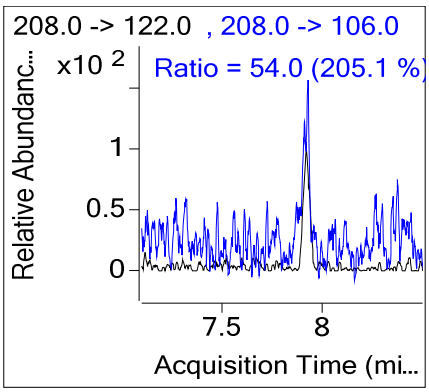


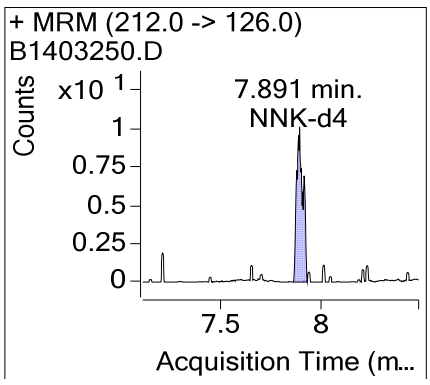


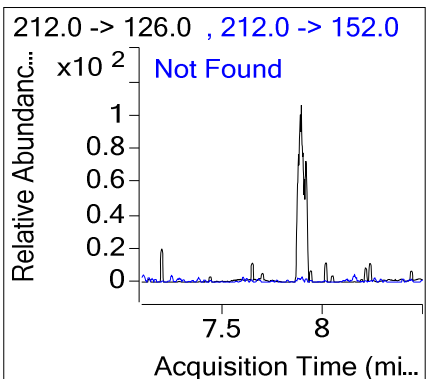












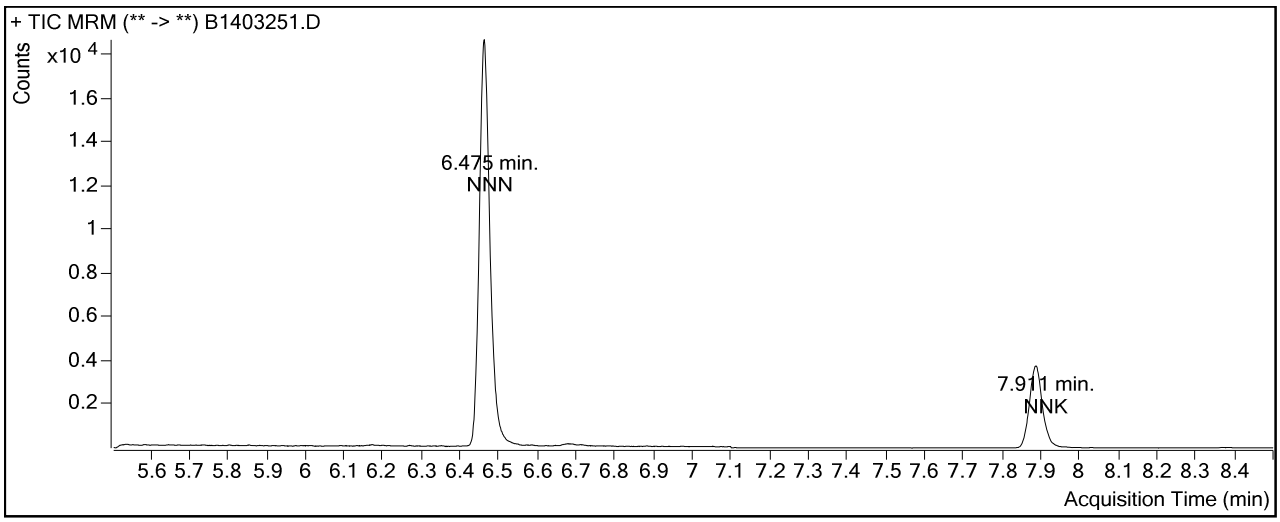
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 10:13	**Data File**	B1403251.D
Position	12	**Sample Name**	TSNAs ISTD blank
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Blank	**Comment**	TSCPrep-0526-1

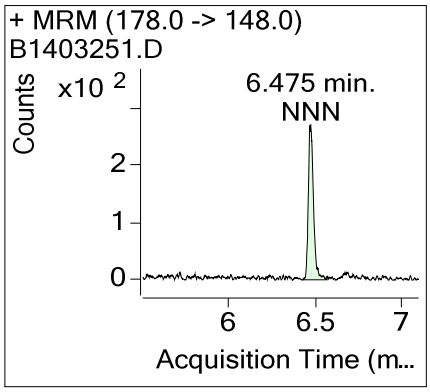
Sample Chromatogram

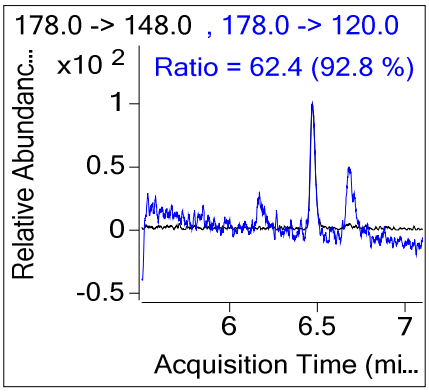


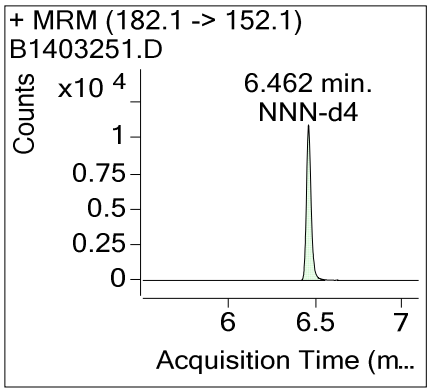
Quantitation Results

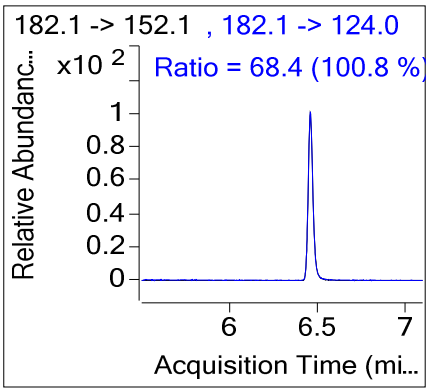
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.475	0.5019	
NNK	NNK-d4	7.911	0.5316	

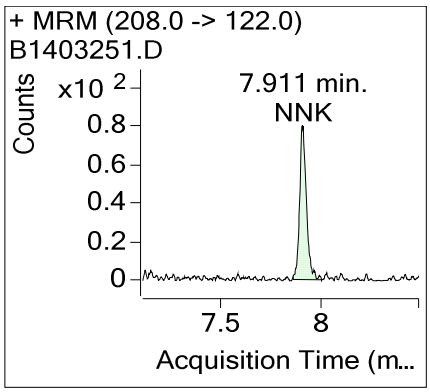
Compound Graphics

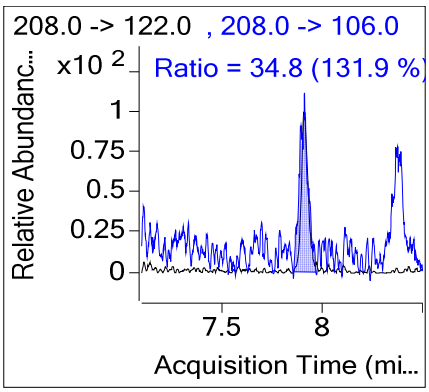


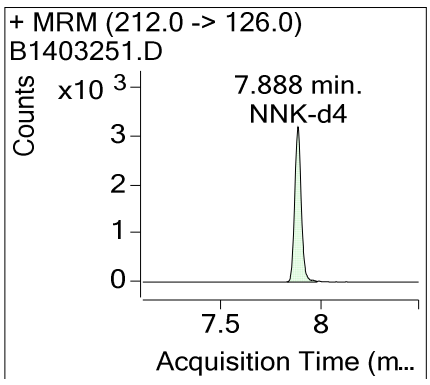


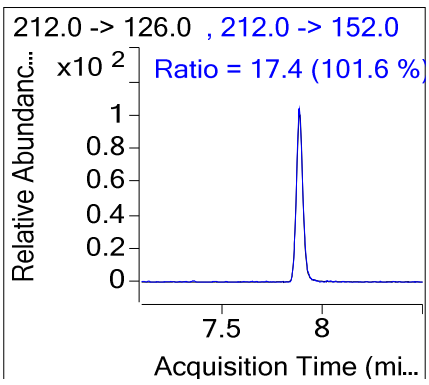












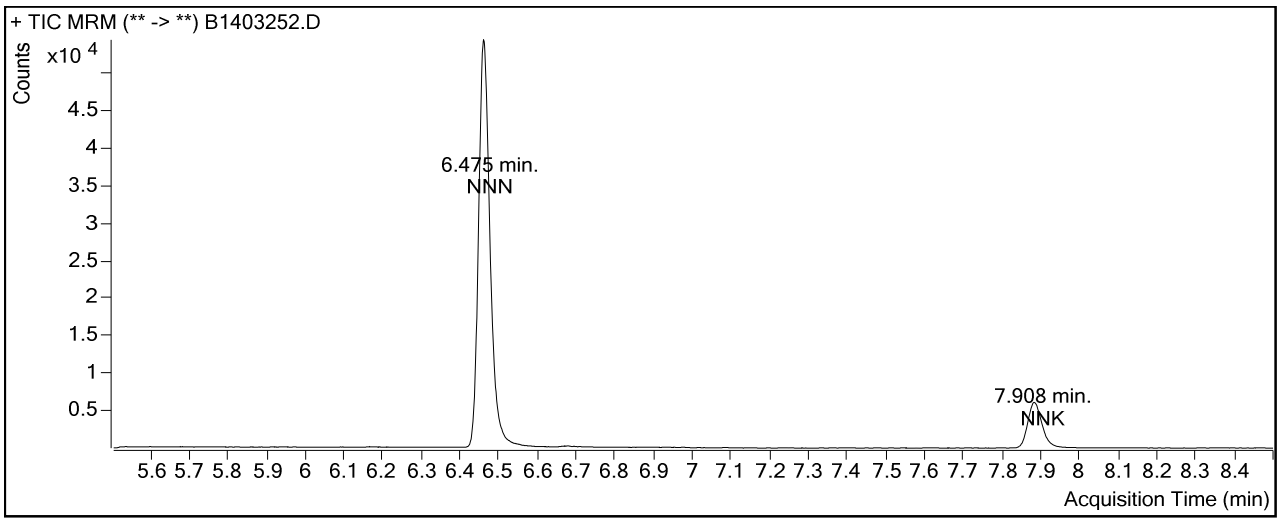
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 10:26	**Data File**	B1403252.D
Position	2	**Sample Name**	TSNAs Std 1
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-1

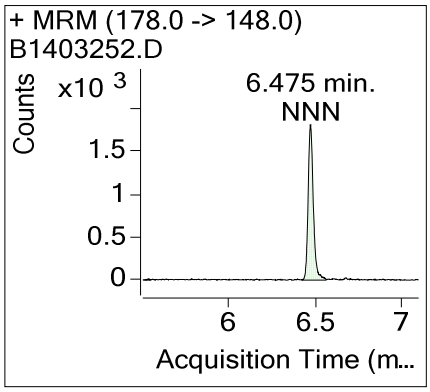
Sample Chromatogram

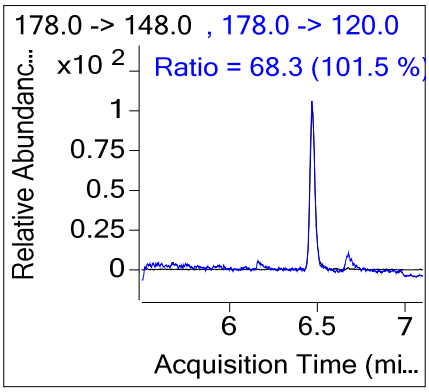


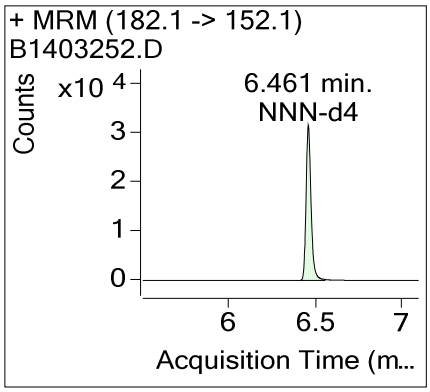
Quantitation Results

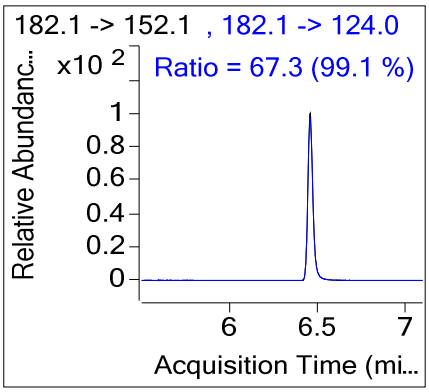
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.475	1.1150	111.50
NNK	NNK-d4	7.908	1.1675	116.75

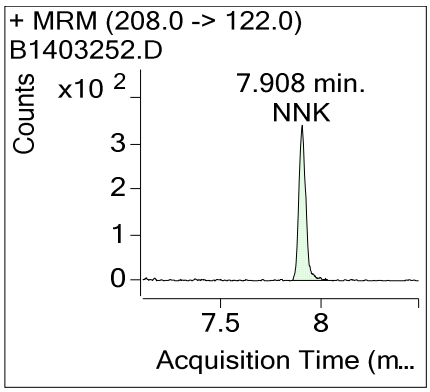
Compound Graphics

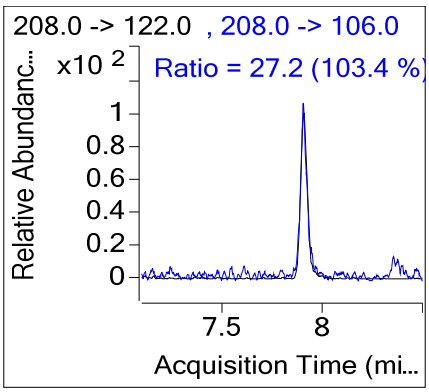


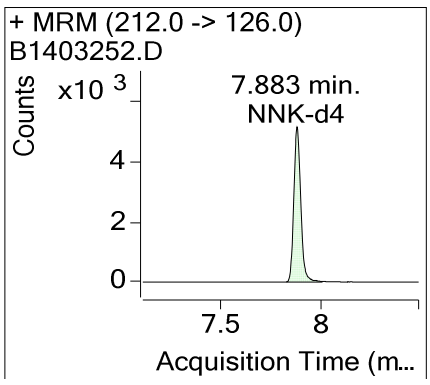


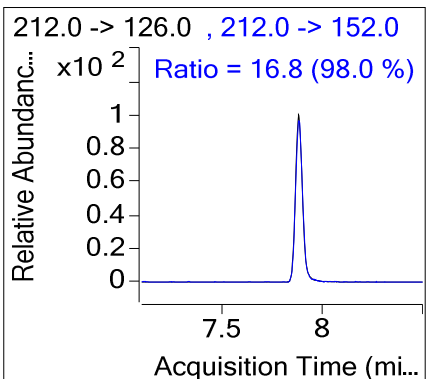












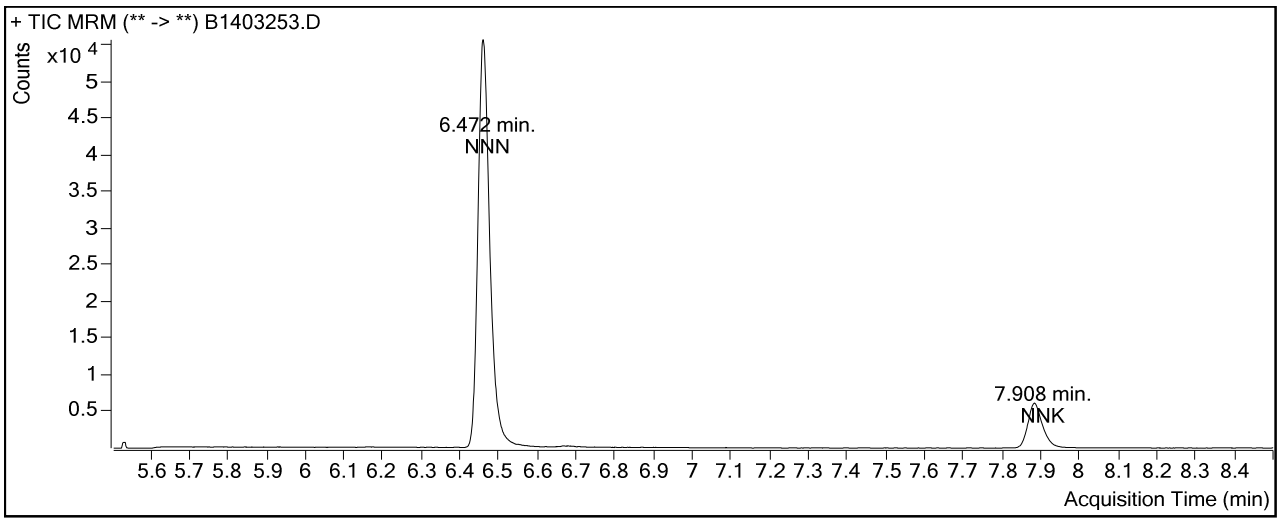
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 10:39	**Data File**	B1403253.D
Position	3	**Sample Name**	TSNAs Std 2
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-2

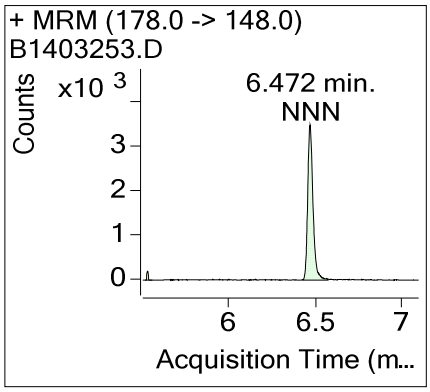
Sample Chromatogram

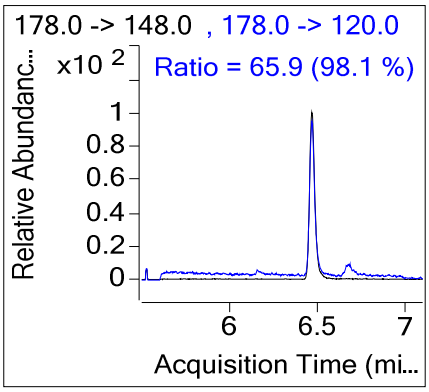


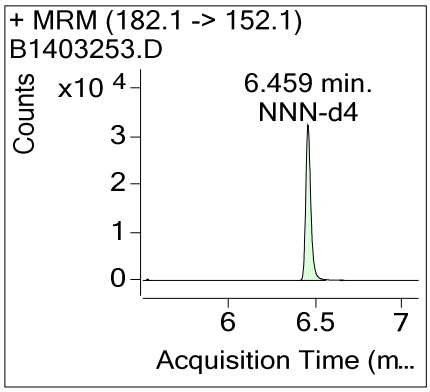
Quantitation Results

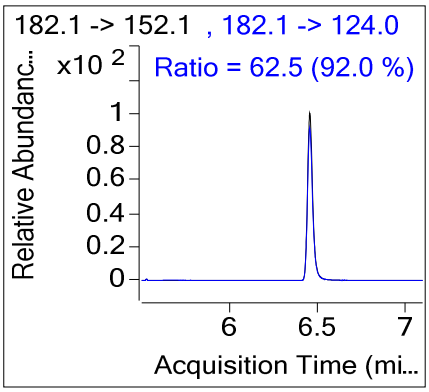
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.472	2.0647	103.24
NNK	NNK-d4	7.908	2.0719	103.60

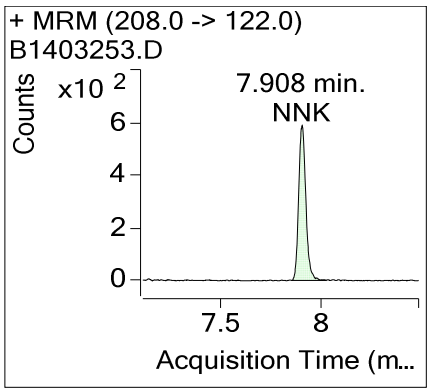
Compound Graphics

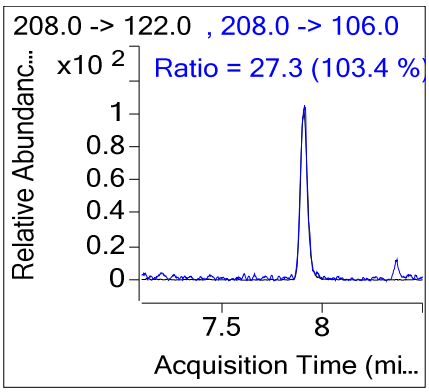


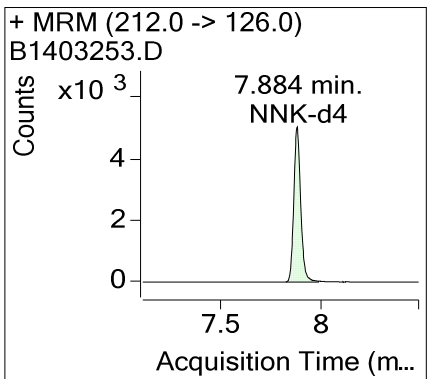


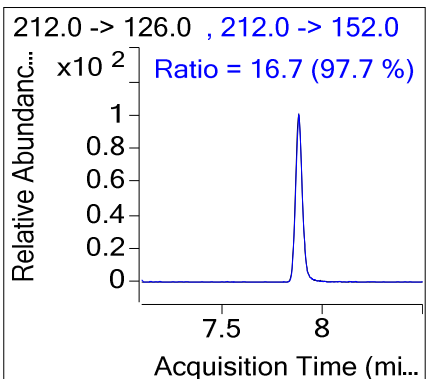












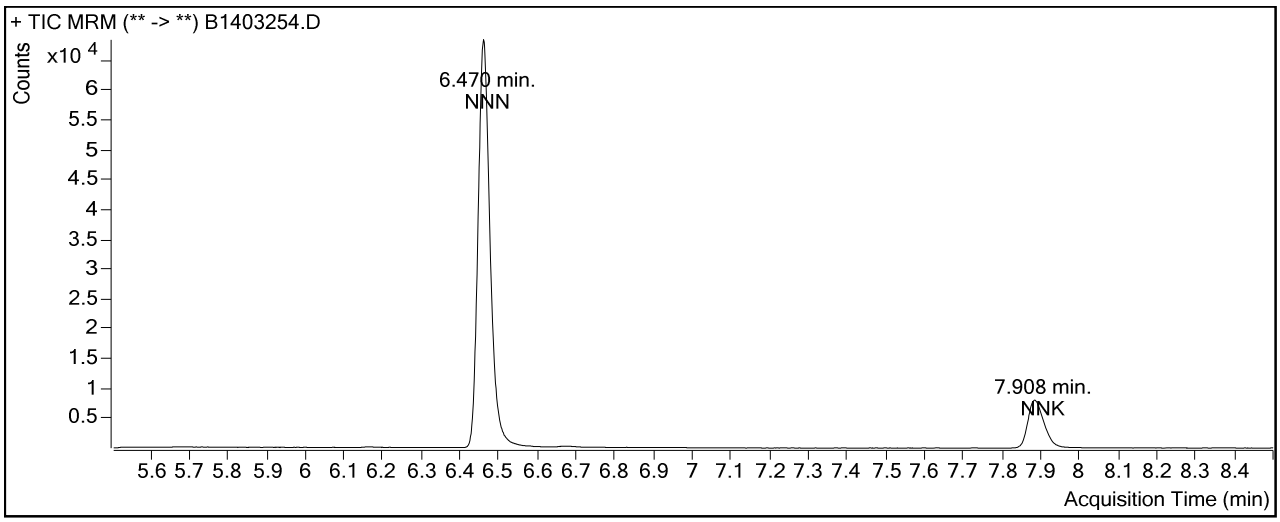
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 10:51	**Data File**	B1403254.D
Position	4	**Sample Name**	TSNAs Std 3
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-3

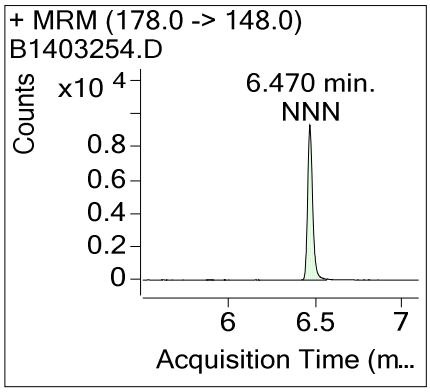
Sample Chromatogram

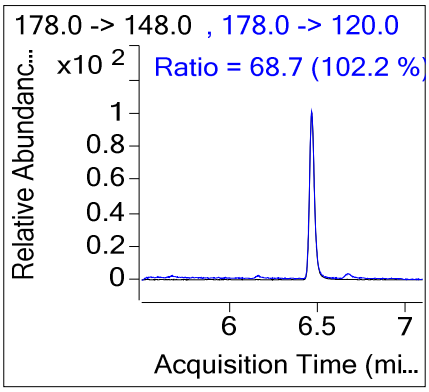


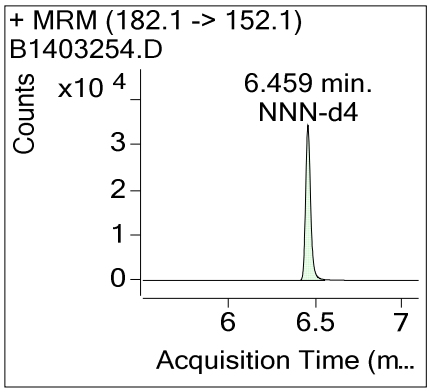
Quantitation Results

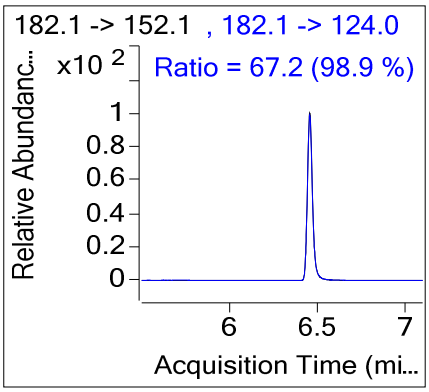
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.470	5.0127	100.25
NNK	NNK-d4	7.908	4.8035	96.07

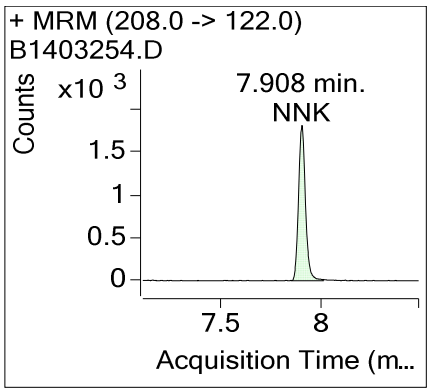
Compound Graphics

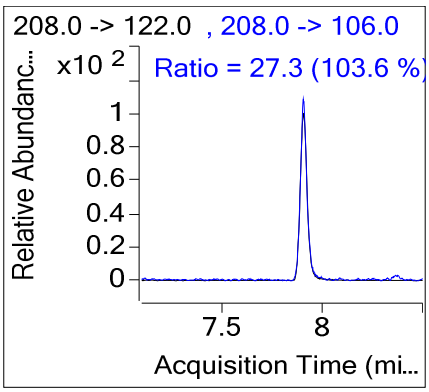


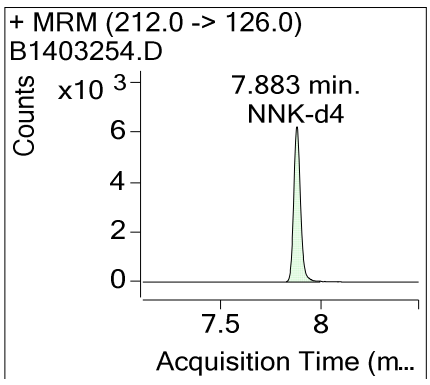


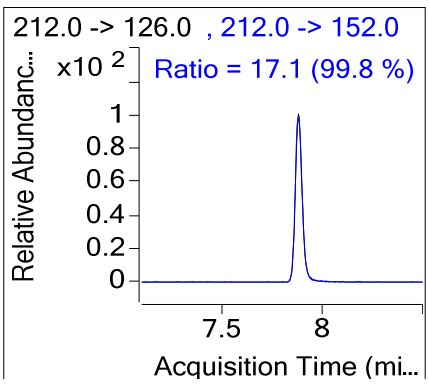












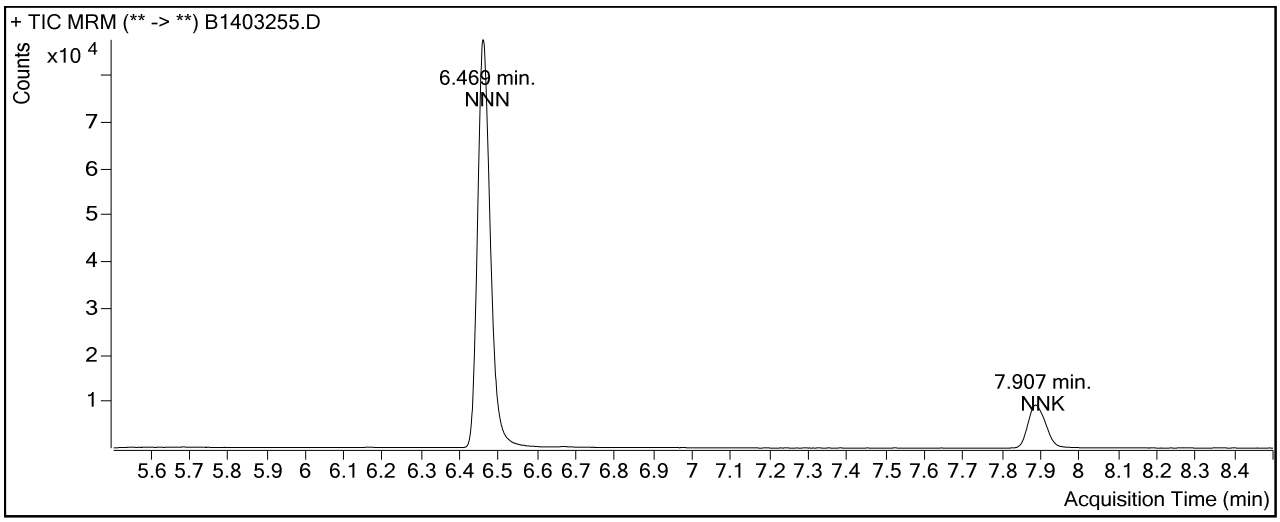
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 11:04	**Data File**	B1403255.D
Position	5	**Sample Name**	TSNAs Std 4
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-4

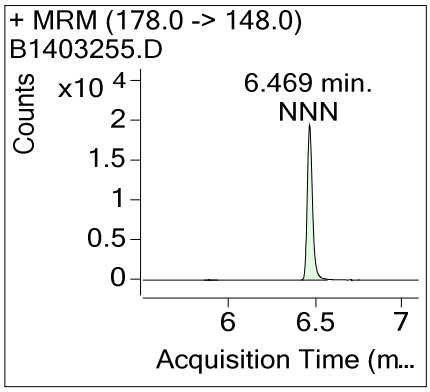
Sample Chromatogram

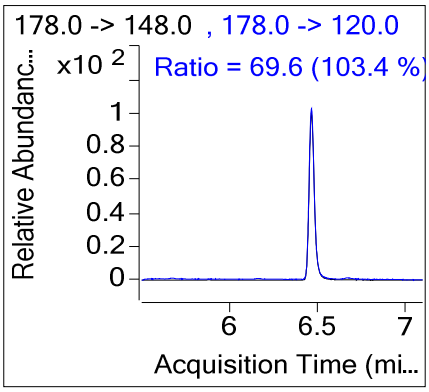


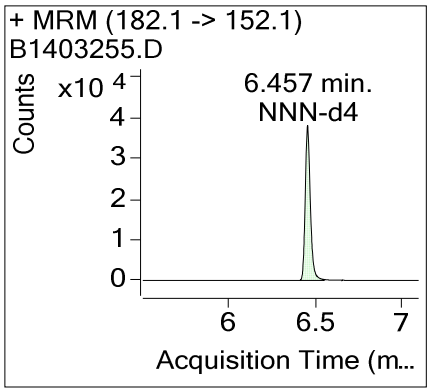
Quantitation Results

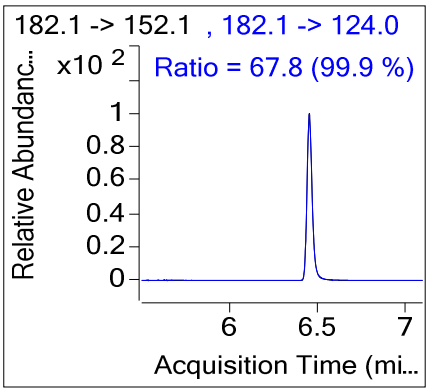
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.469	9.5974	95.97
NNK	NNK-d4	7.907	9.3332	93.33

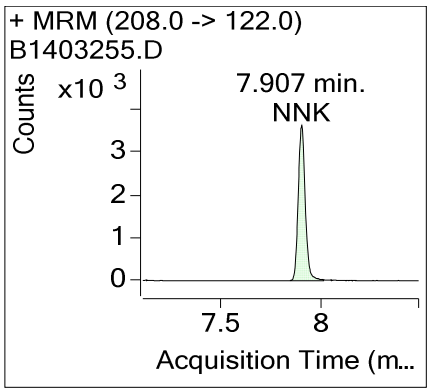
Compound Graphics

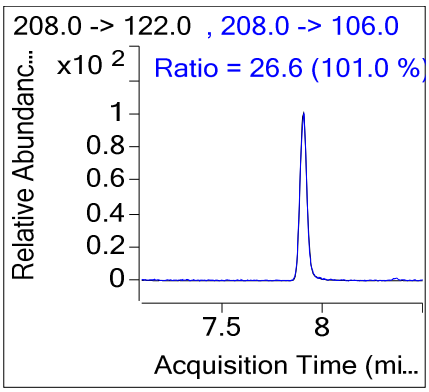


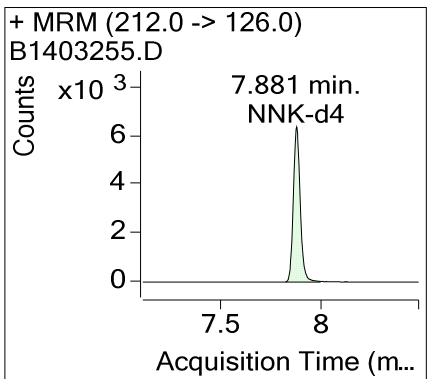


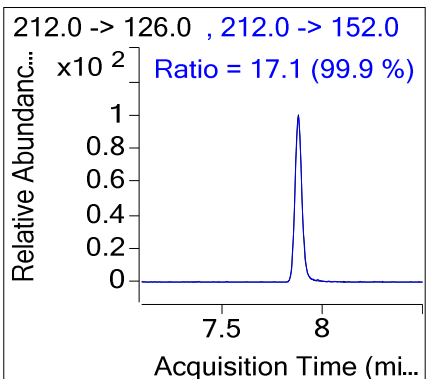












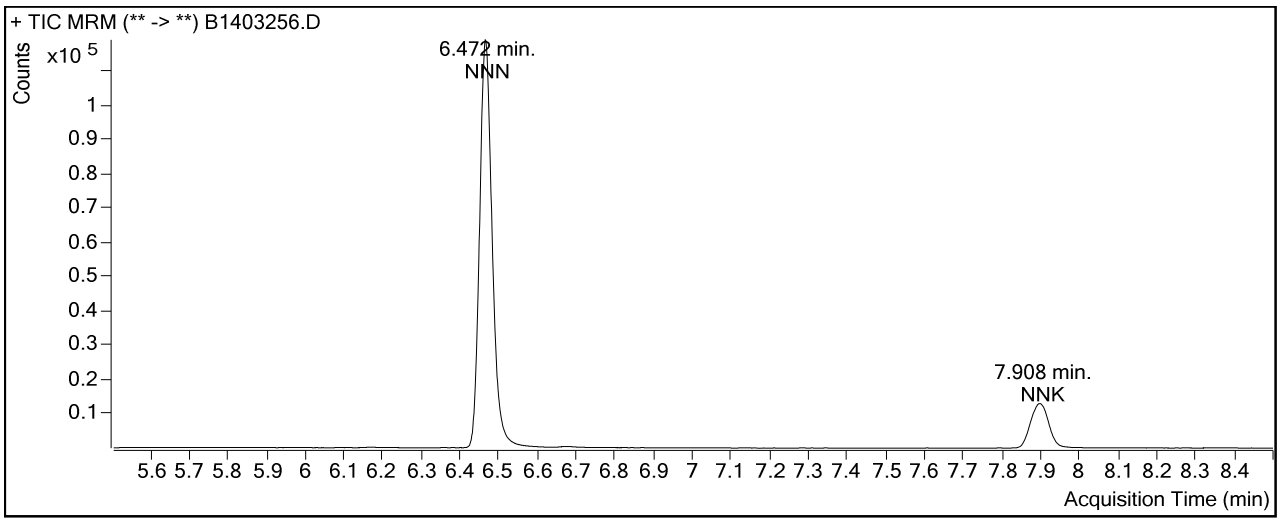
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 11:16	**Data File**	B1403256.D
Position	6	**Sample Name**	TSNAs Std 5
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-5

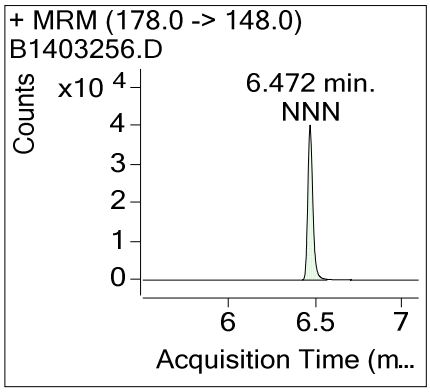
Sample Chromatogram

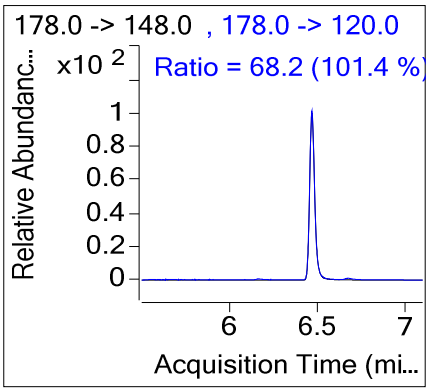


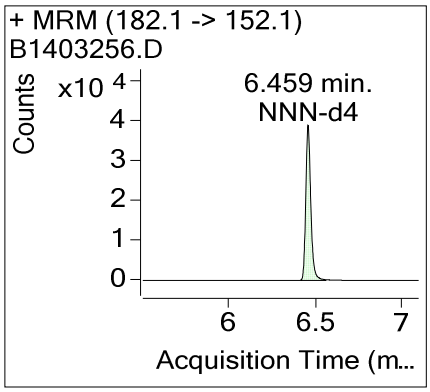
Quantitation Results

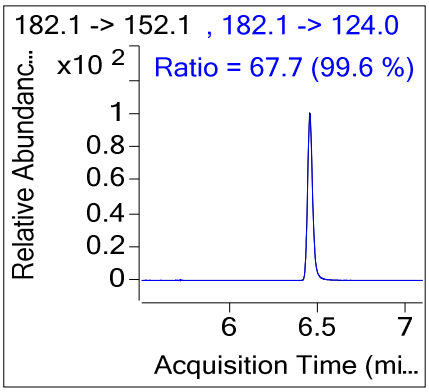
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.472	19.2412	96.21
NNK	NNK-d4	7.908	18.6082	93.04

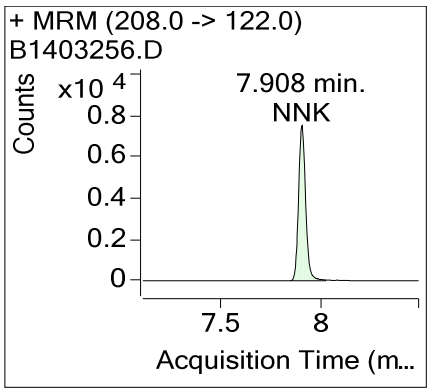
Compound Graphics

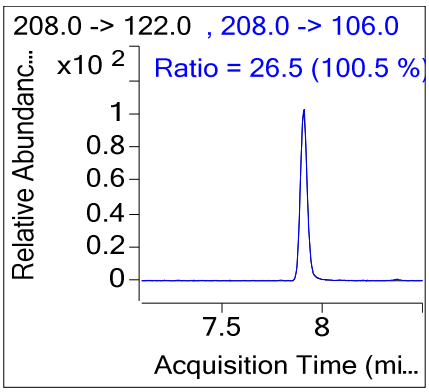


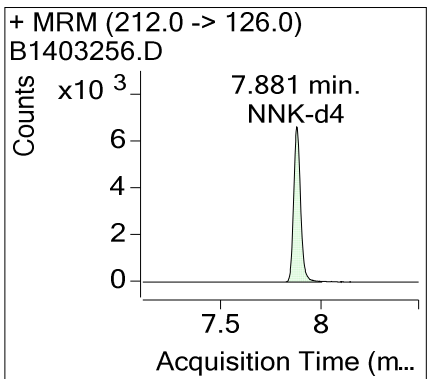


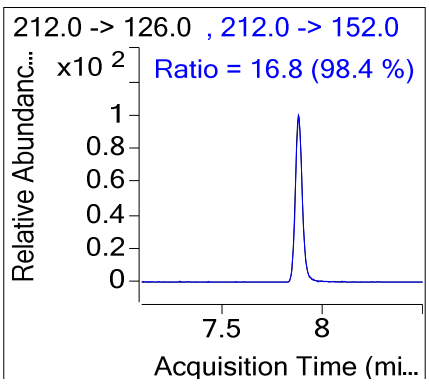












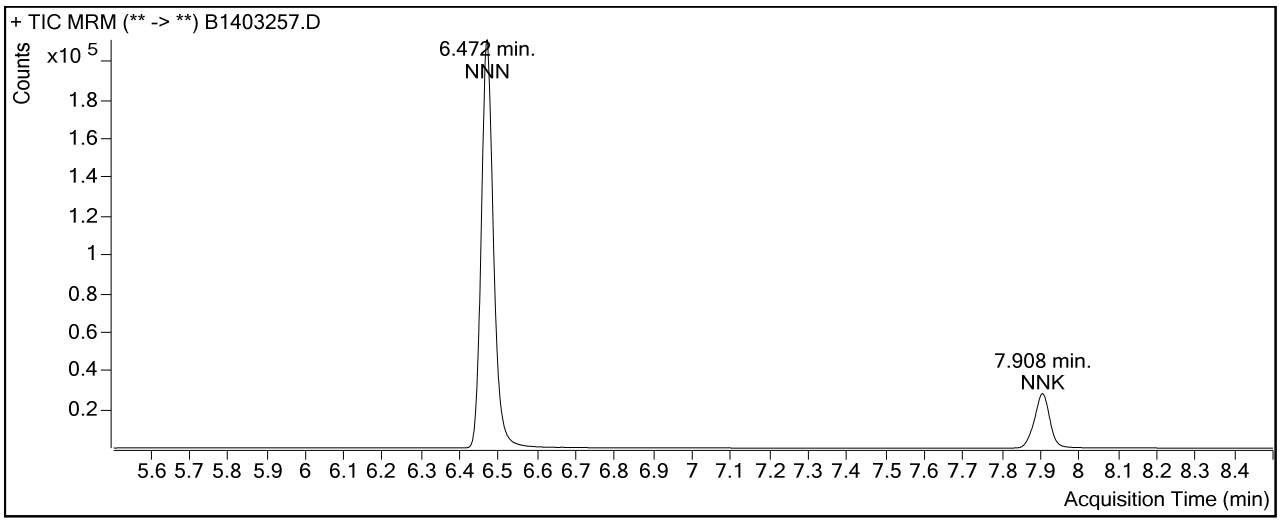
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 11:29	**Data File**	B1403257.D
Position	7	**Sample Name**	TSNAs Std 6
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-6

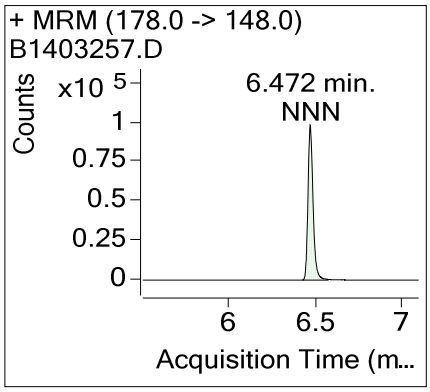
Sample Chromatogram

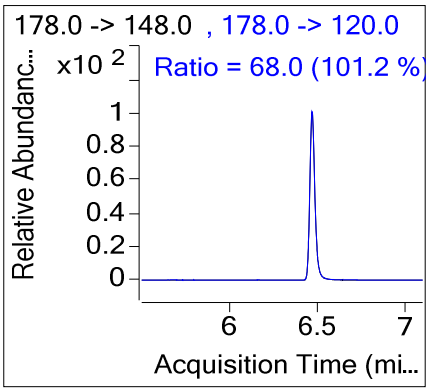


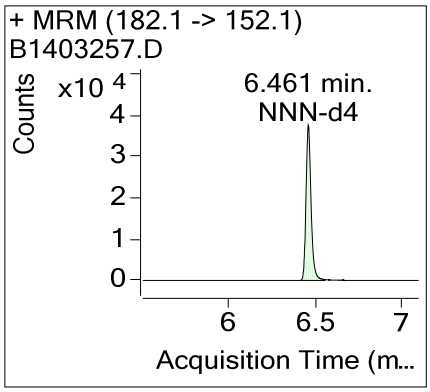
Quantitation Results

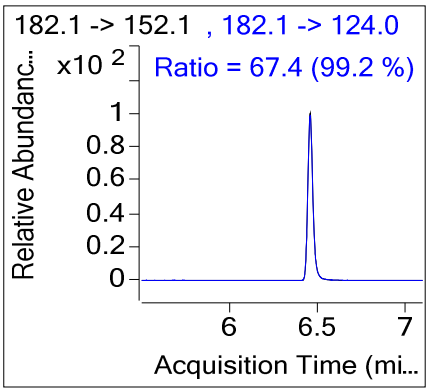
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.472	48.2392	96.48
NNK	NNK-d4	7.908	47.9465	95.89

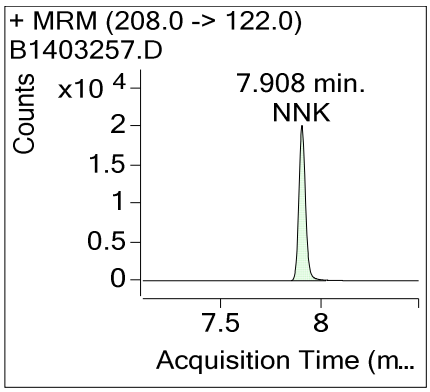
Compound Graphics

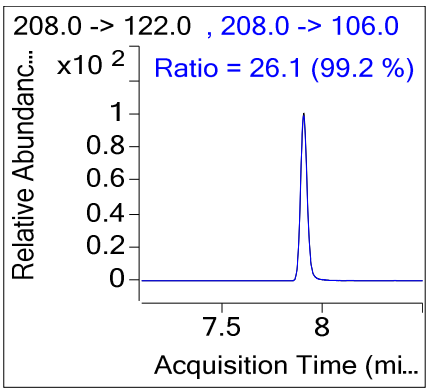


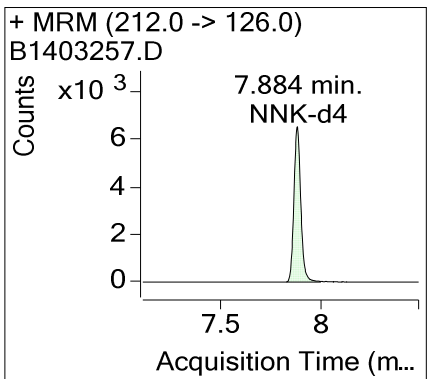


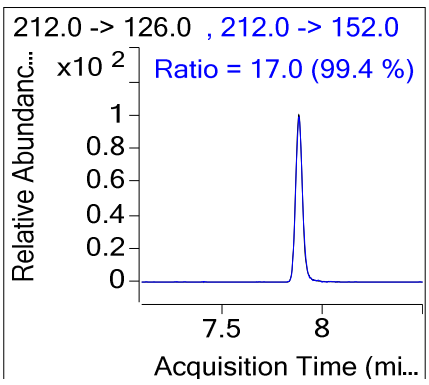












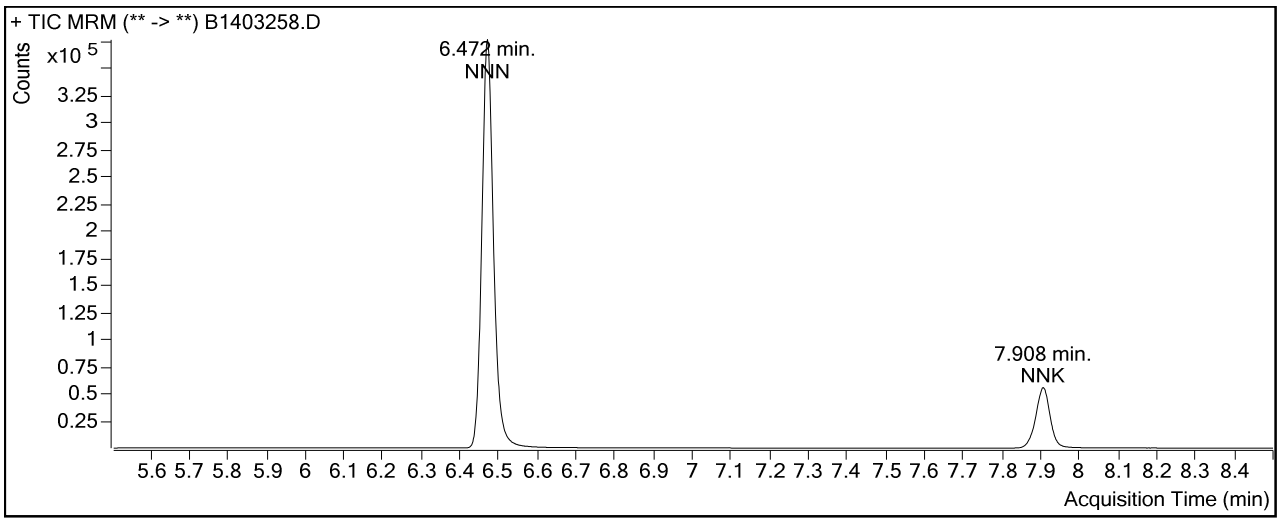
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 11:42	**Data File**	B1403258.D
Position	8	**Sample Name**	TSNAs Std 7
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-7

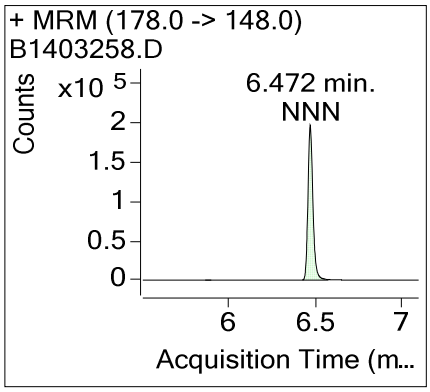
Sample Chromatogram

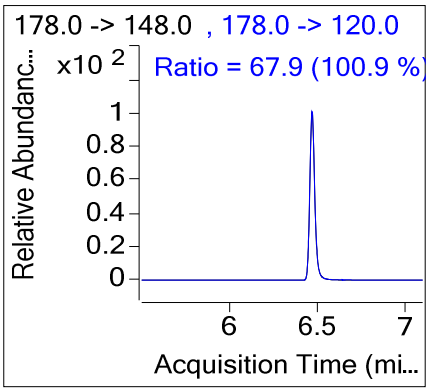


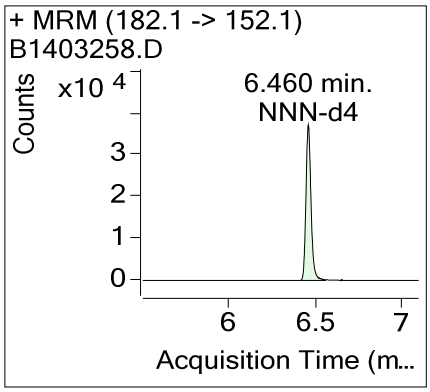
Quantitation Results

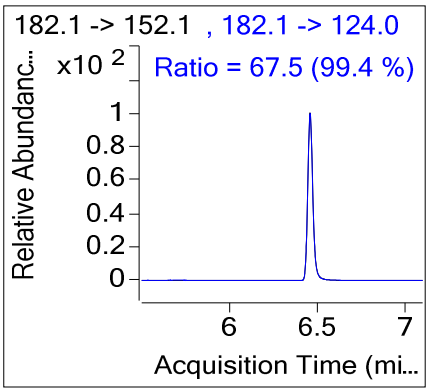
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.472	97.0483	97.05
NNK	NNK-d4	7.908	98.5639	98.56

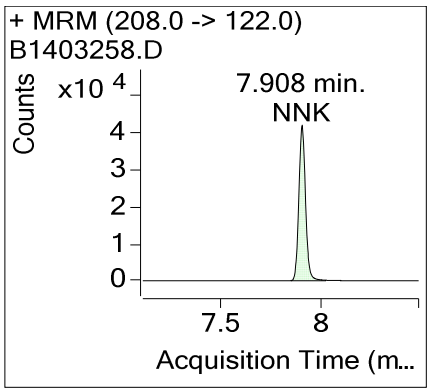
Compound Graphics

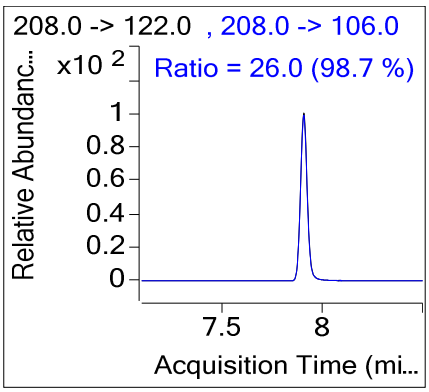


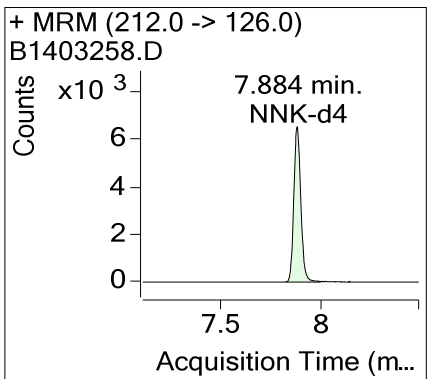


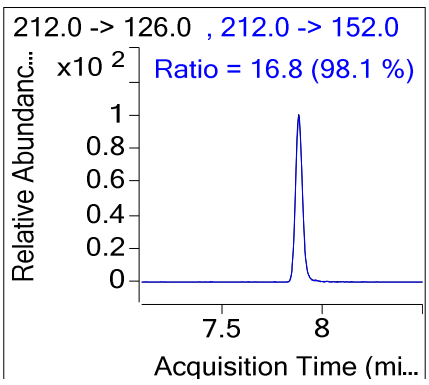












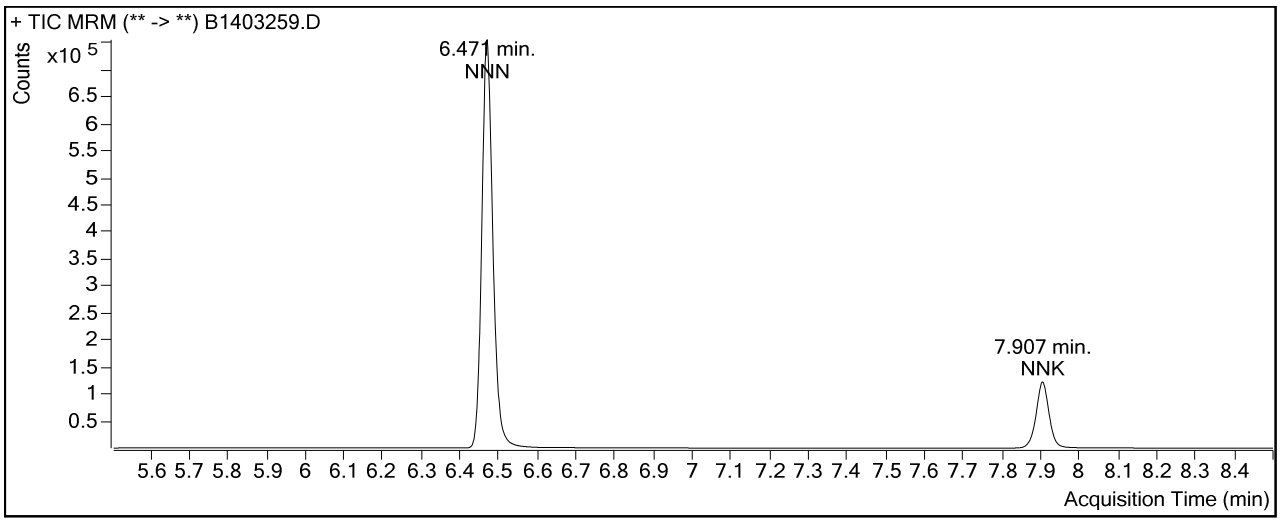
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 11:54	**Data File**	B1403259.D
Position	9	**Sample Name**	TSNAs Std 8
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-8

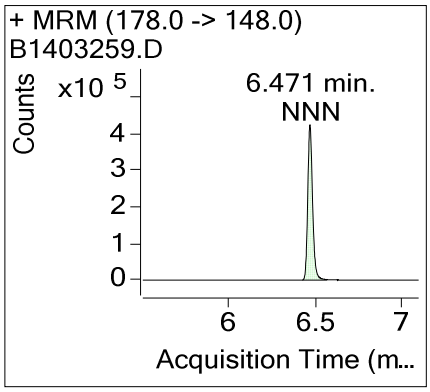
Sample Chromatogram

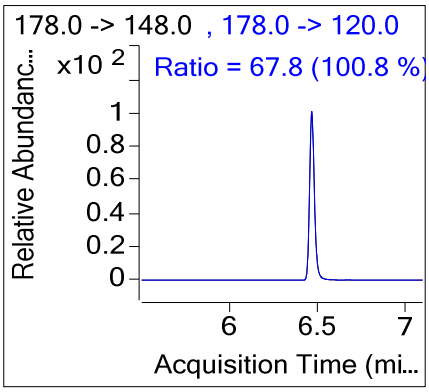


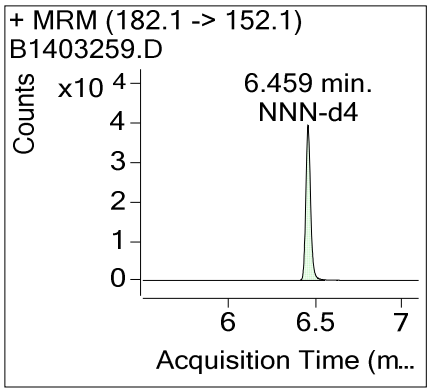
Quantitation Results

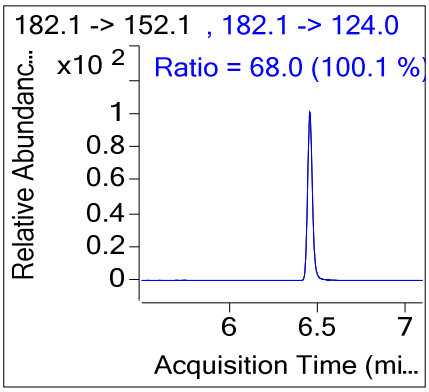
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.471	197.4192	98.71
NNK	NNK-d4	7.907	205.5052	102.75

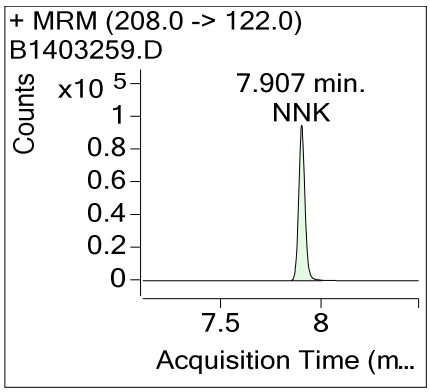
Compound Graphics

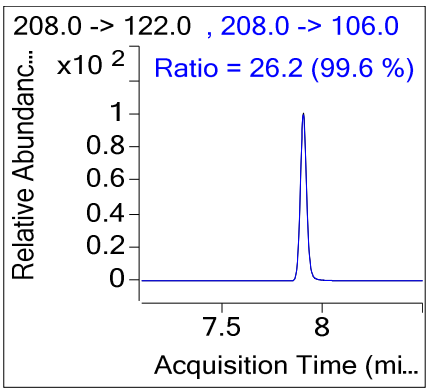


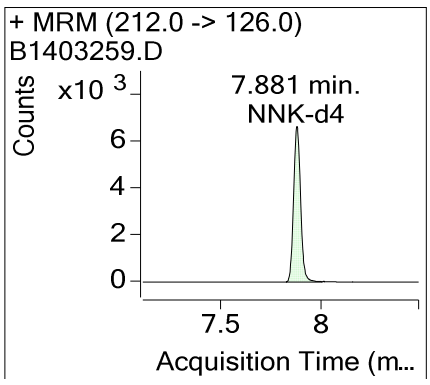


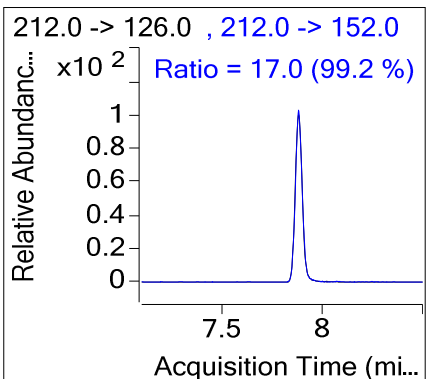












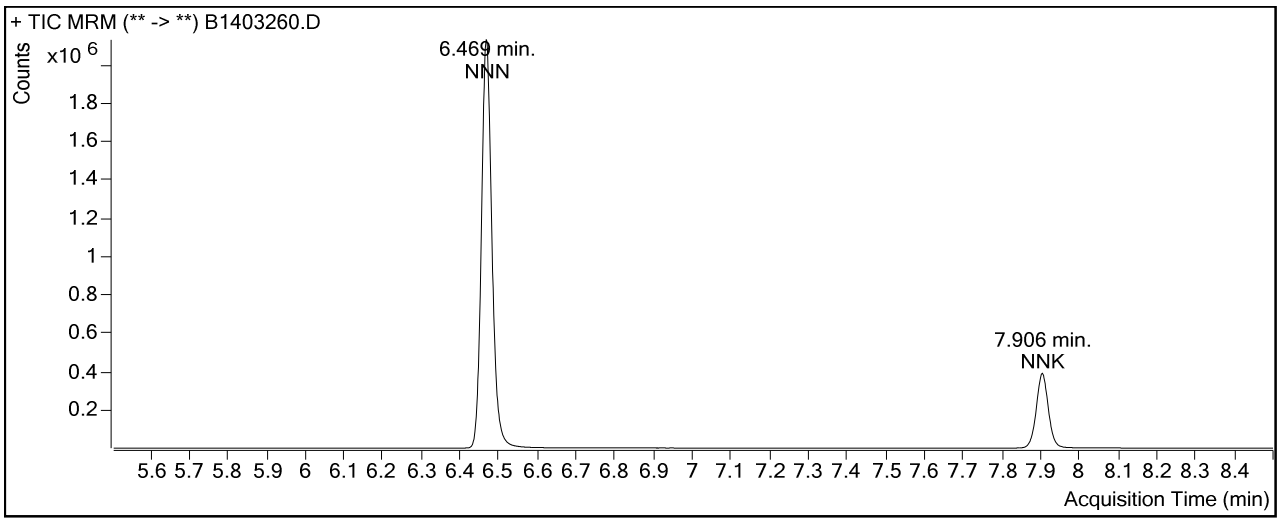
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 12:07	**Data File**	B1403260.D
Position	10	**Sample Name**	TSNAs Std 9
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-9

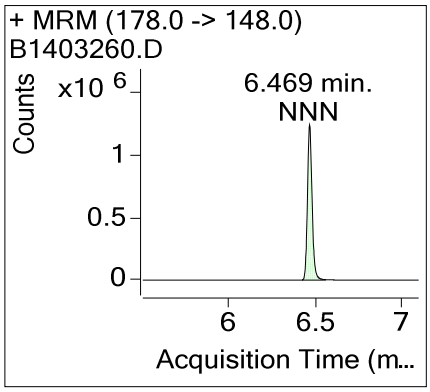
Sample Chromatogram

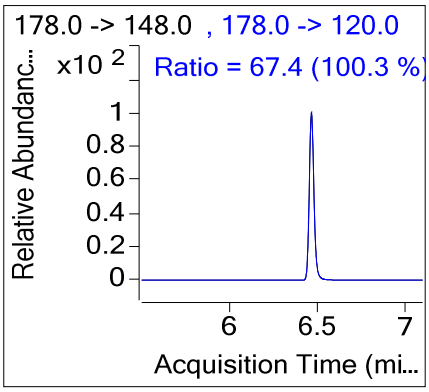


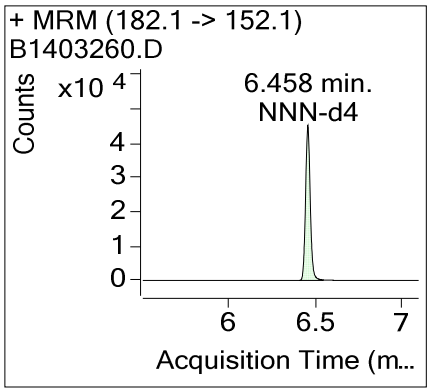
Quantitation Results

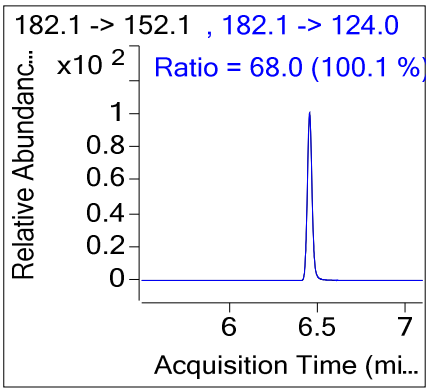
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.469	497.6946	99.54
NNK	NNK-d4	7.906	570.6884	114.14

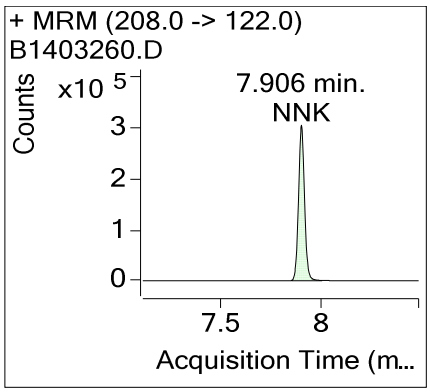
Compound Graphics

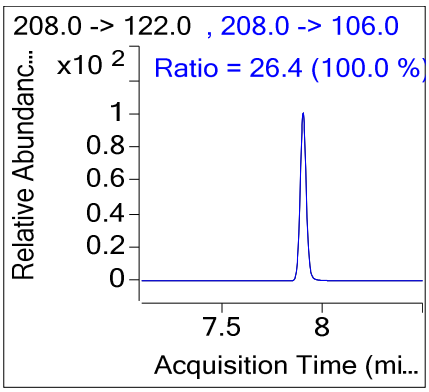


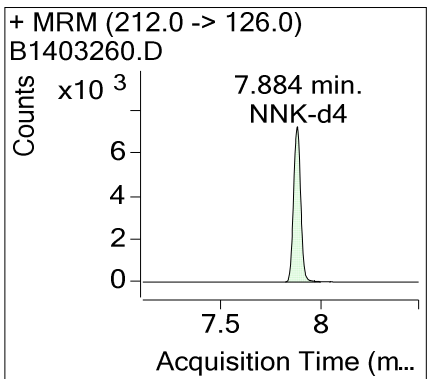


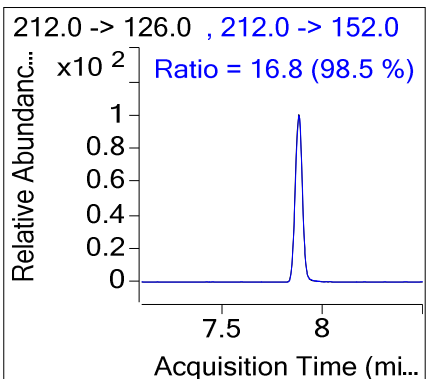












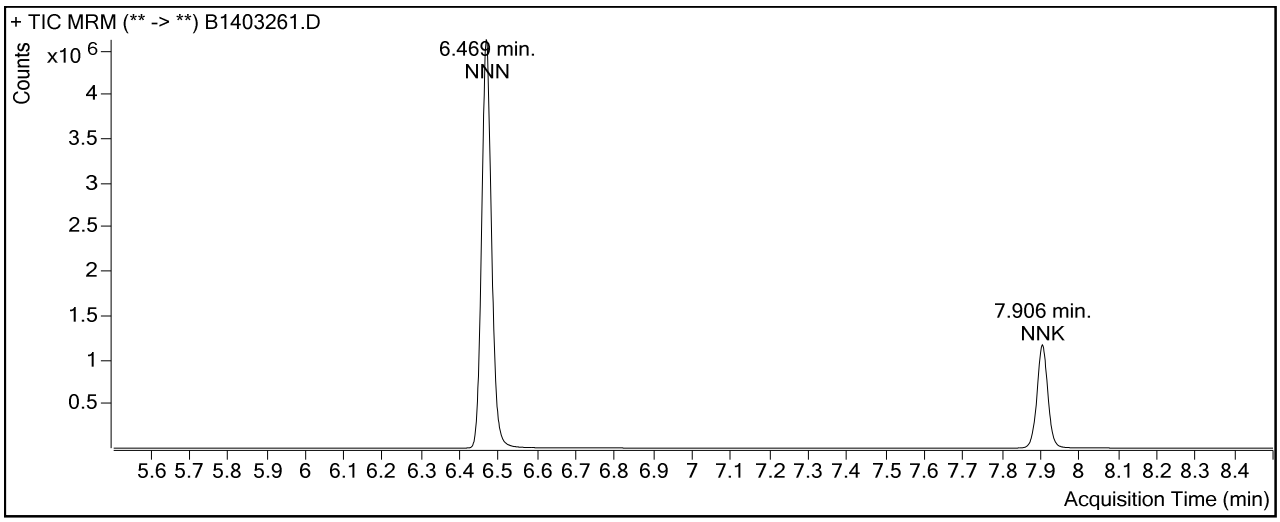
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 12:19	**Data File**	B1403261.D
Position	11	**Sample Name**	TSNAs Std 10
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Calibration	**Comment**	NA-EXT01-192-10

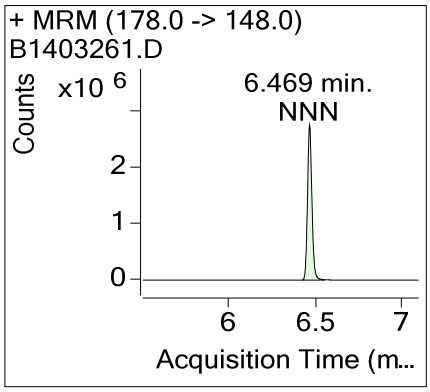
Sample Chromatogram

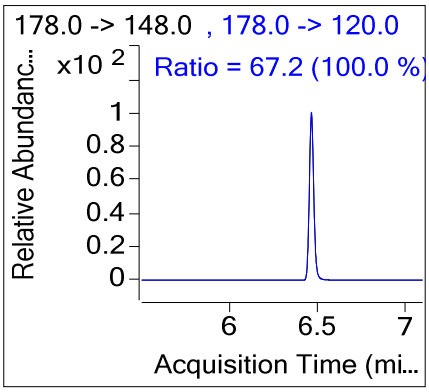


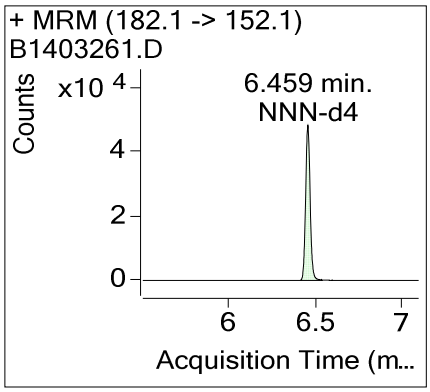
Quantitation Results

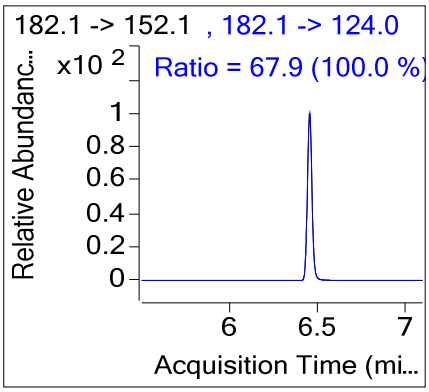
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.469	1010.5677	101.06
NNK	NNK-d4	7.906	1271.1246	127.11

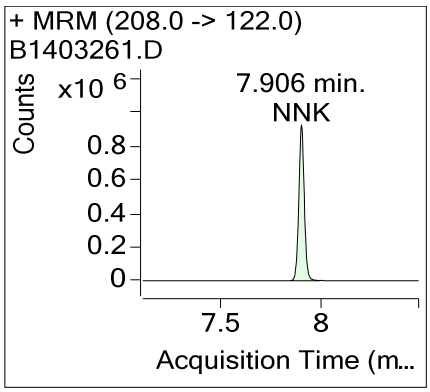
Compound Graphics

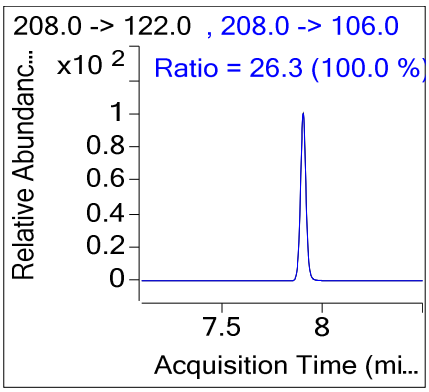


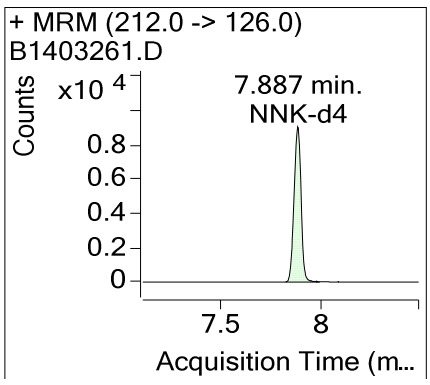


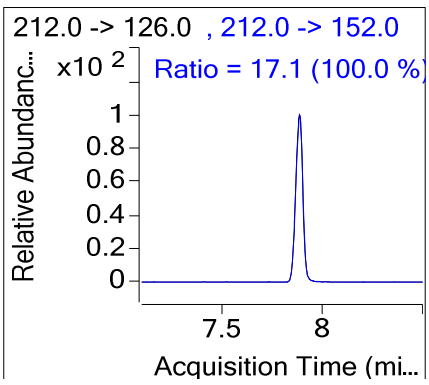












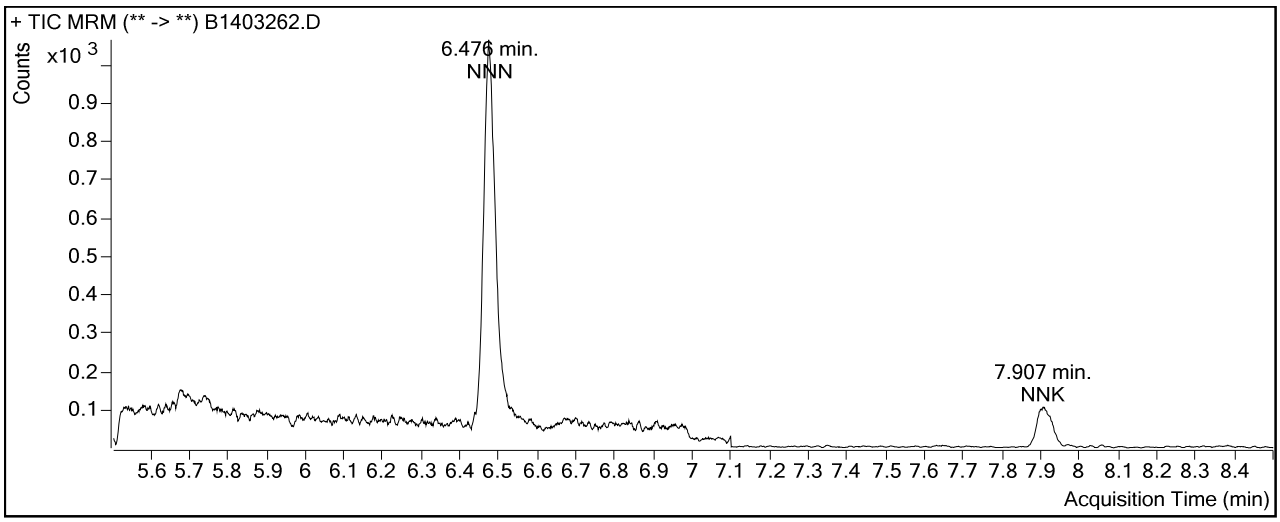
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 12:32	**Data File**	B1403262.D
Position	1	**Sample Name**	CH2Cl2 blank
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	DoubleBlank	**Comment**	

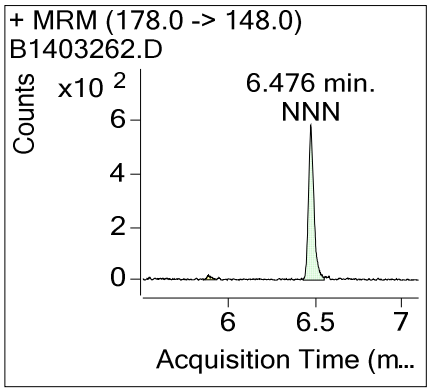
Sample Chromatogram

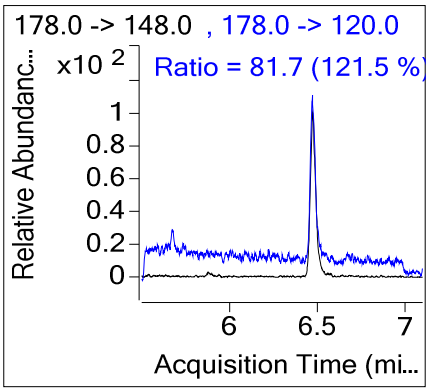


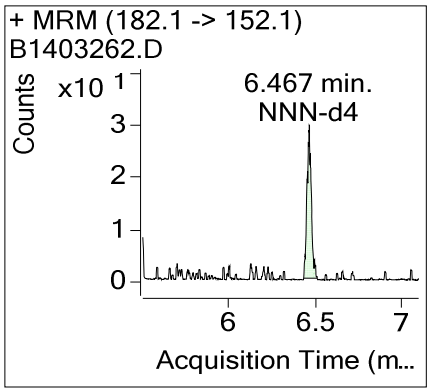
Quantitation Results

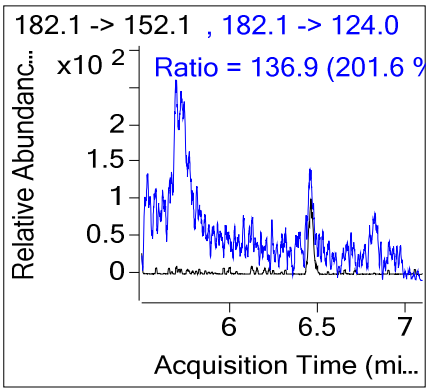
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.476	462.5795	
NNK	NNK-d4	7.907		

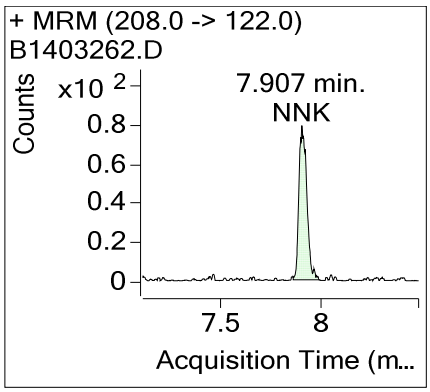
Compound Graphics

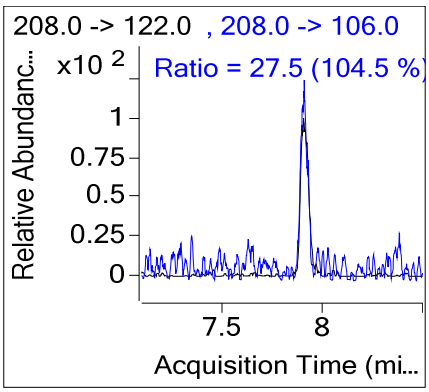


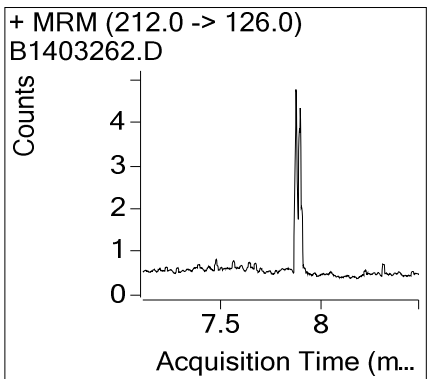


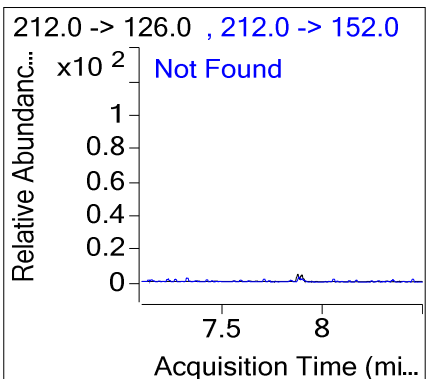












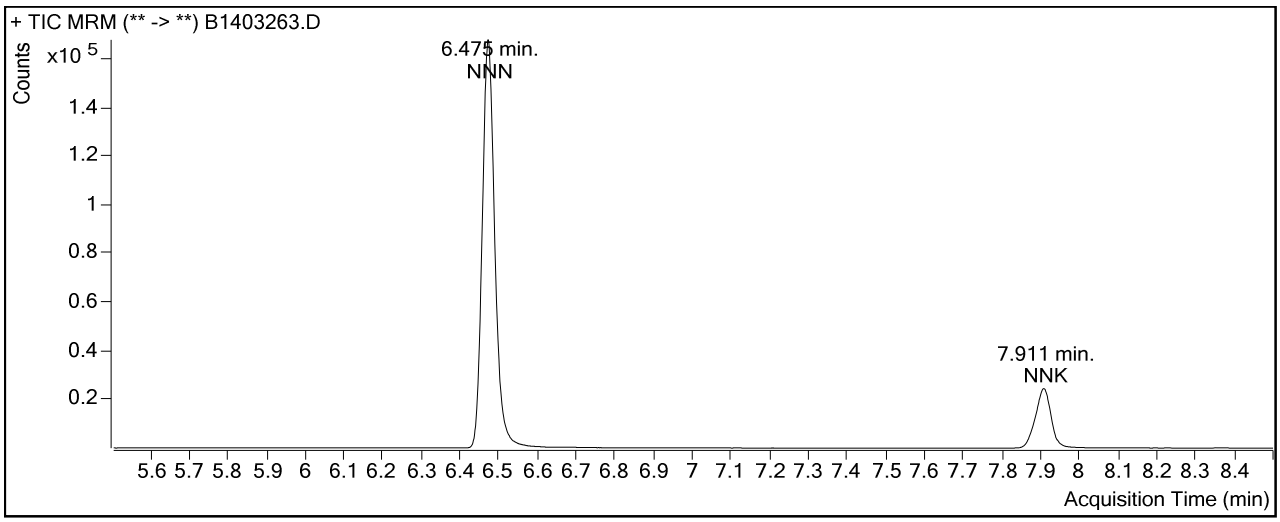
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 12:45	**Data File**	B1403263.D
Position	13	**Sample Name**	TSNAs SS Std
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	QC	**Comment**	NA-EXT01-192-12

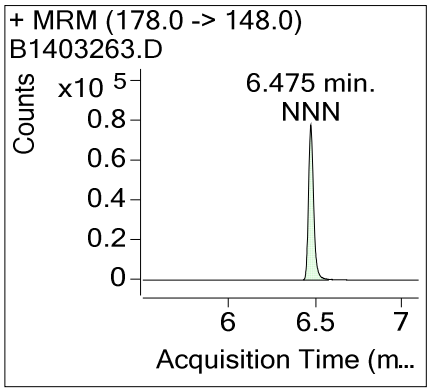
Sample Chromatogram

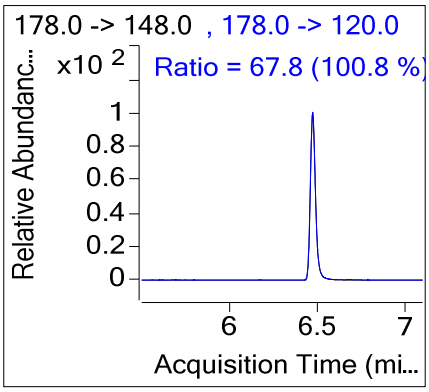


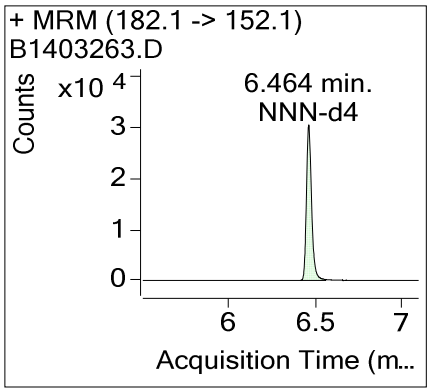
Quantitation Results

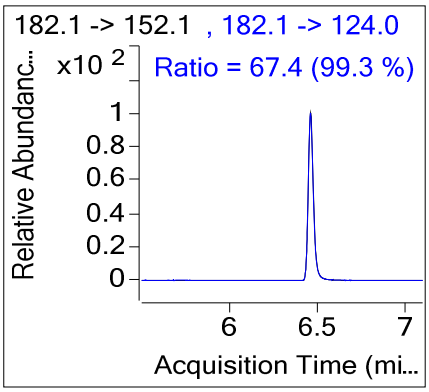
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.475	47.2084	94.42
NNK	NNK-d4	7.911	47.4409	94.88

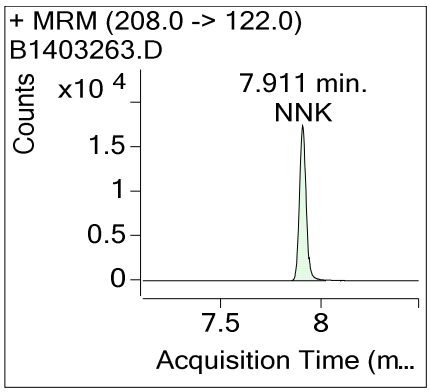
Compound Graphics

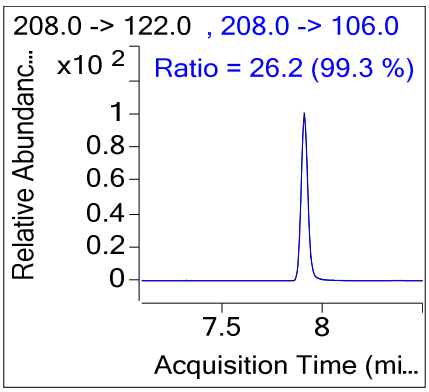


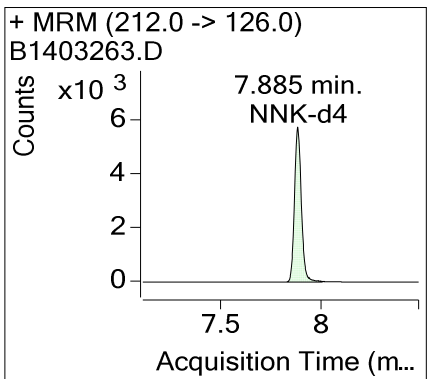


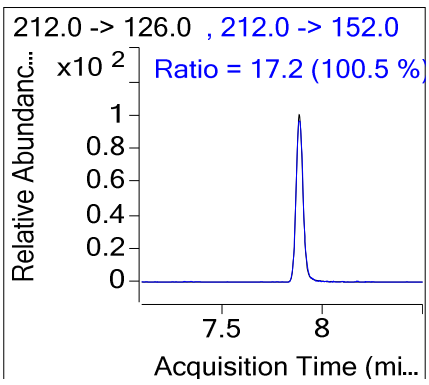












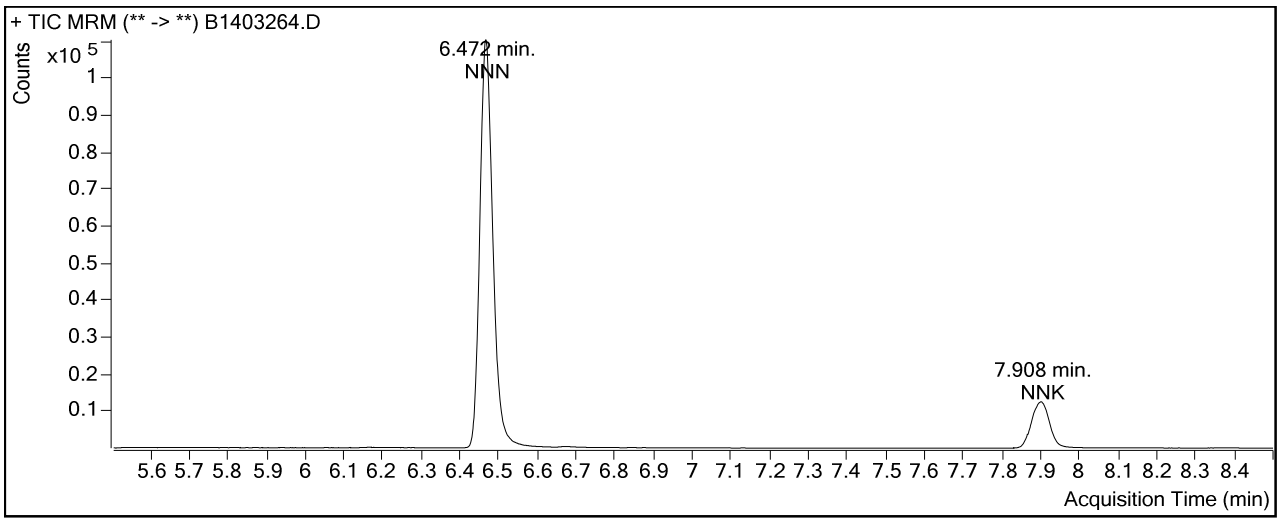
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-07-30 12:57	**Data File**	B1403264.D
Position	6	**Sample Name**	Concal (TSNAs Std 5)
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	QC	**Comment**	NA-EXT01-192-5

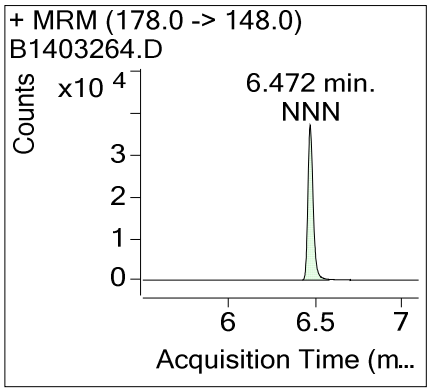
Sample Chromatogram

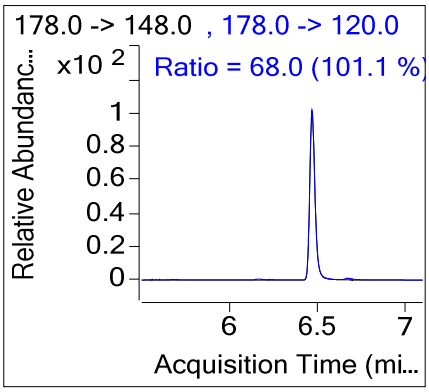


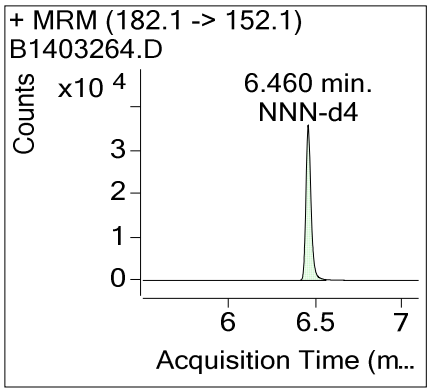
Quantitation Results

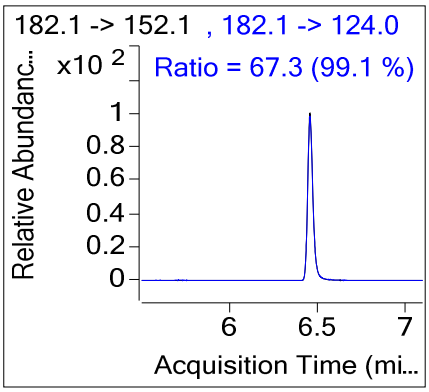
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.472	19.6936	98.47
NNK	NNK-d4	7.908	19.2434	96.22

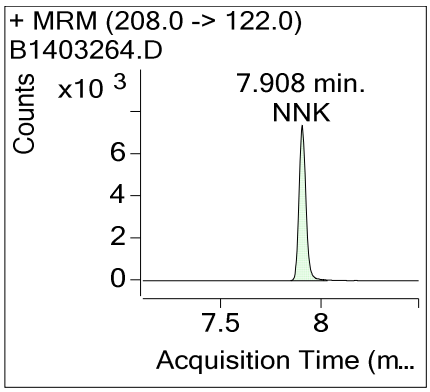
Compound Graphics

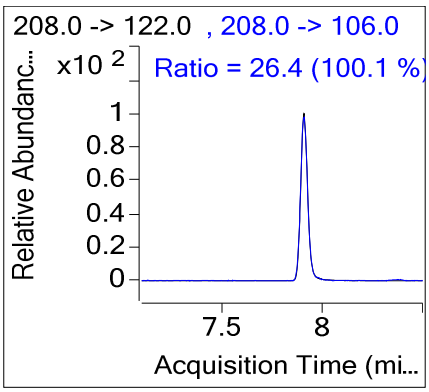


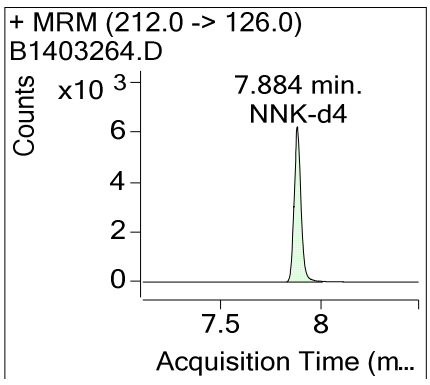


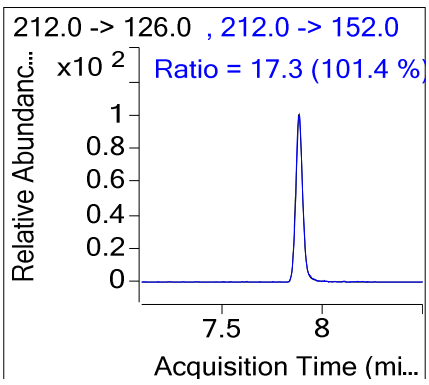












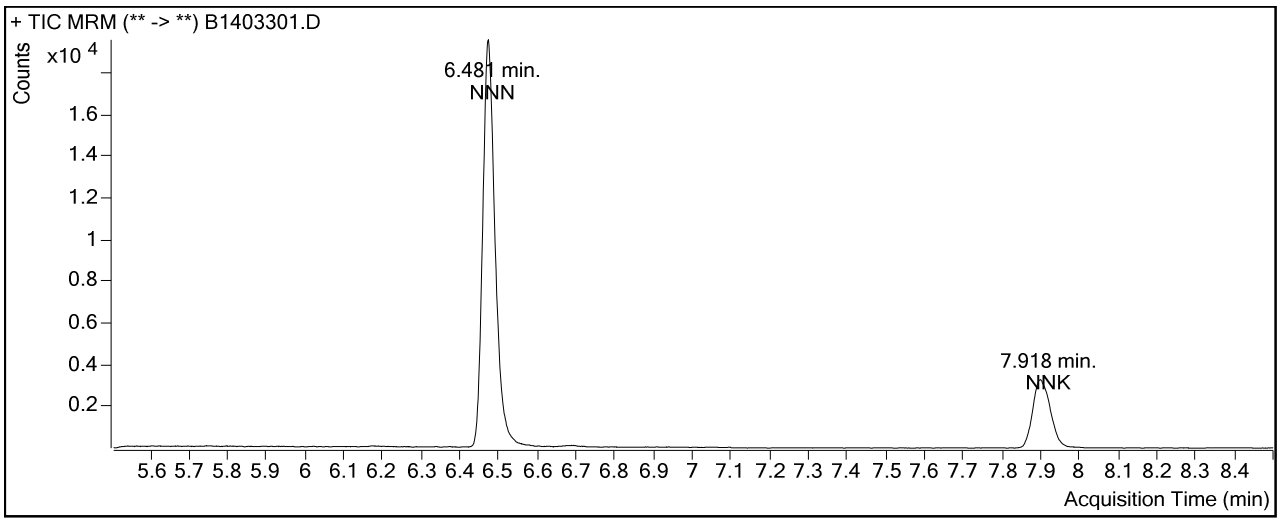
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 12:48	**Data File**	B1403301.D
Position	5	**Sample Name**	Concal (TSNAs Std 4)
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	QC	**Comment**	NA-EXT01-192-4

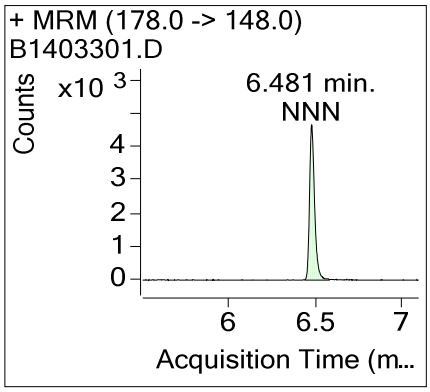
Sample Chromatogram

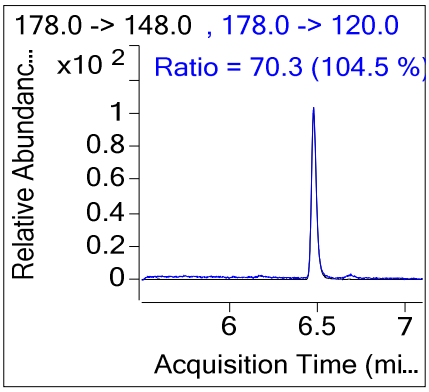


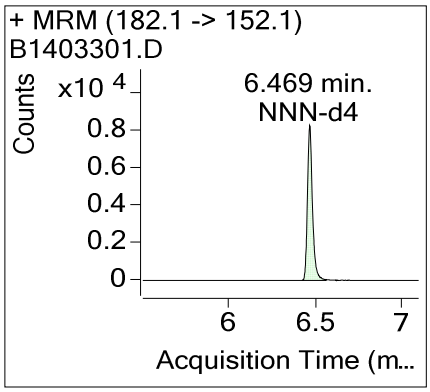
Quantitation Results

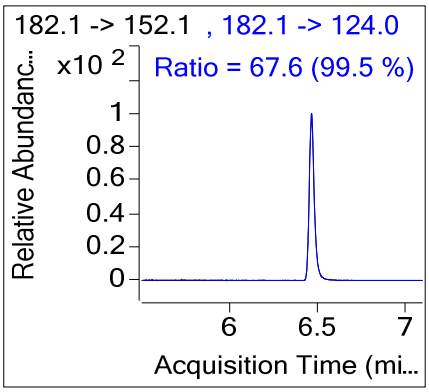
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.481	10.4706	104.71
NNK	NNK-d4	7.918	9.4402	94.40

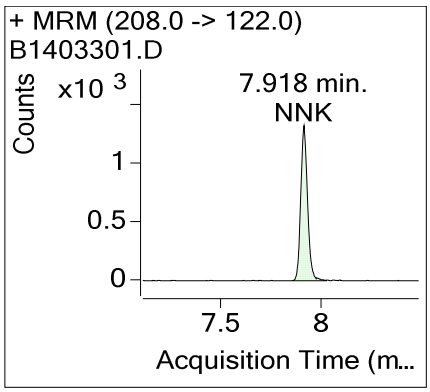
Compound Graphics

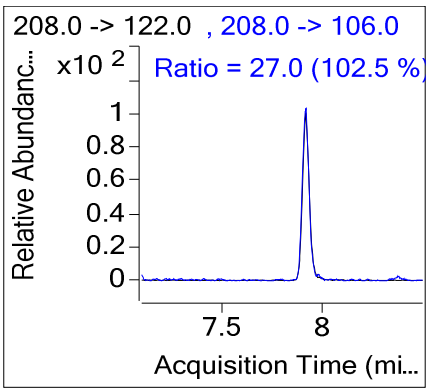


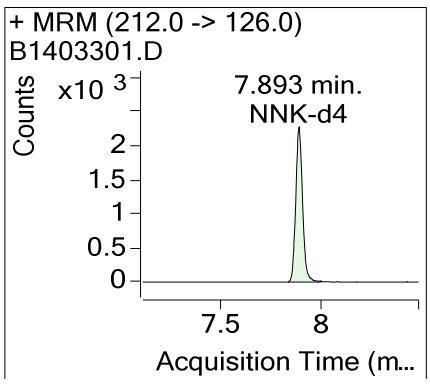


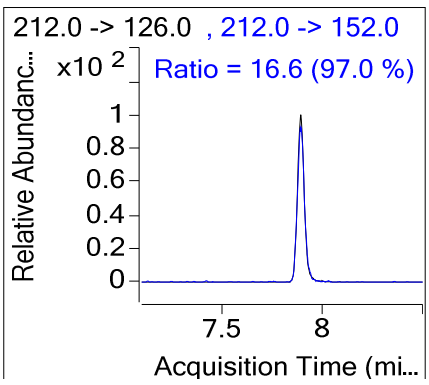












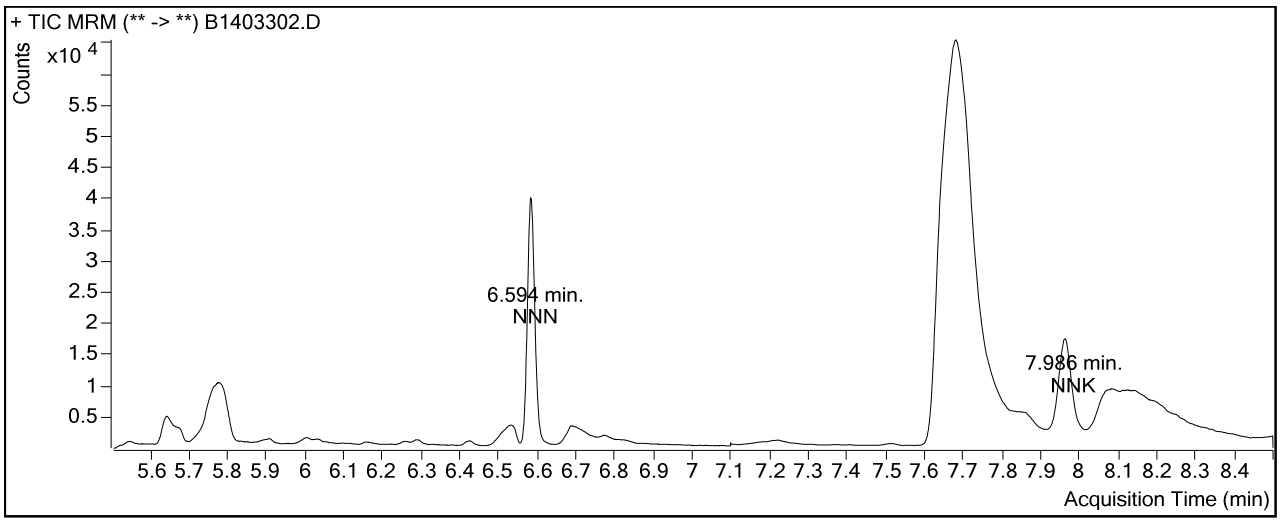
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 14:49	**Data File**	B1403302.D
Position	111	**Sample Name**	0814-52-01
Dilution	10	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Sample	**Comment**	TSCPrep p558

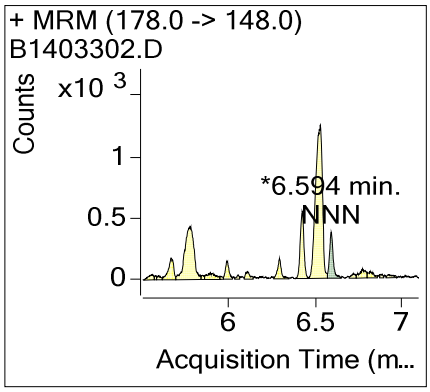
Sample Chromatogram

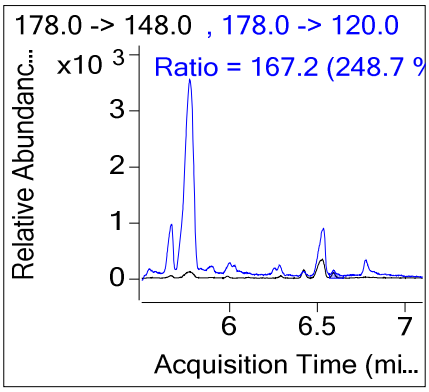


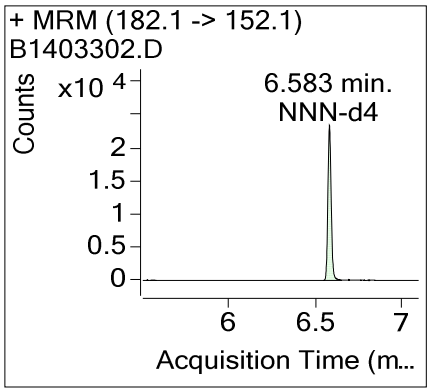
Quantitation Results

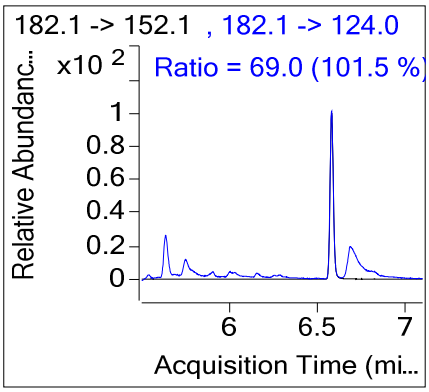
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.594	3.3019	
NNK	NNK-d4	7.986	3.2382	

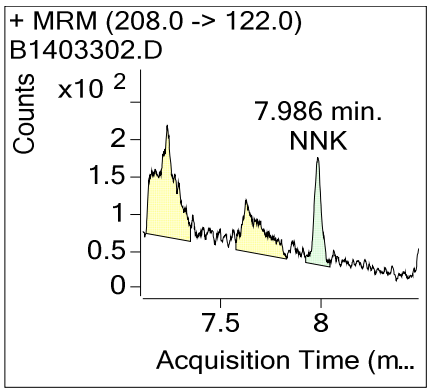
Compound Graphics

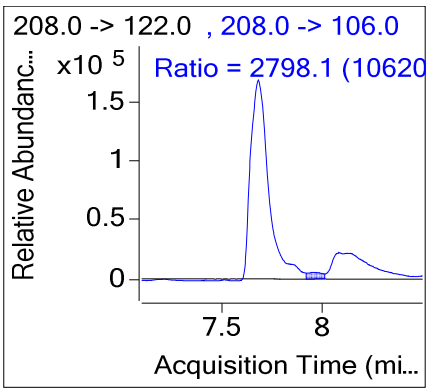


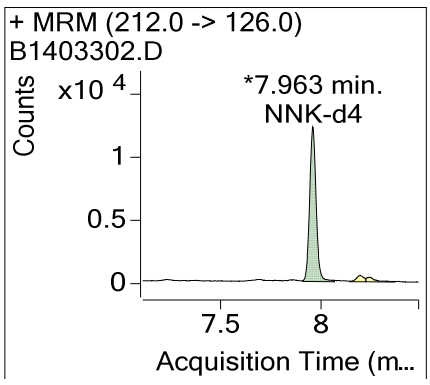


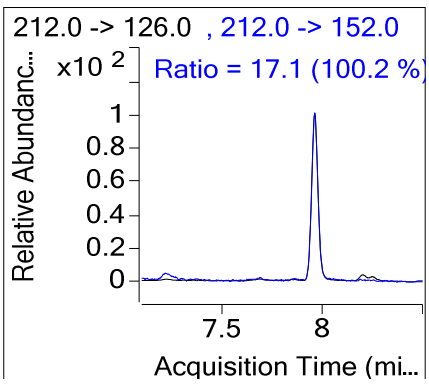












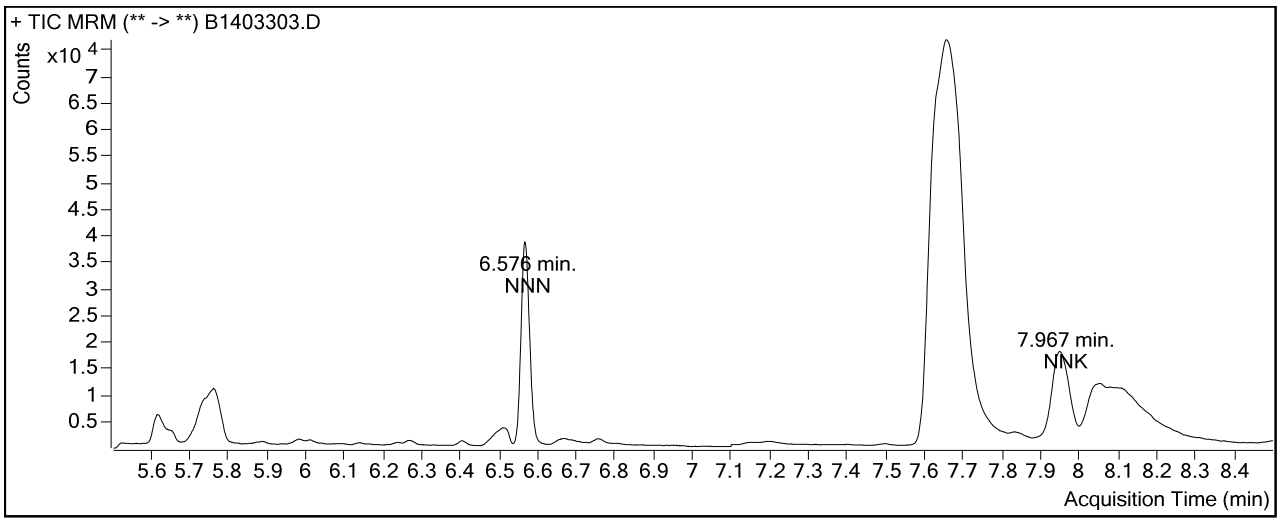
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 15:02	**Data File**	B1403303.D
Position	112	**Sample Name**	0814-52-01MS
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Sample	**Comment**	TSCPrep p558

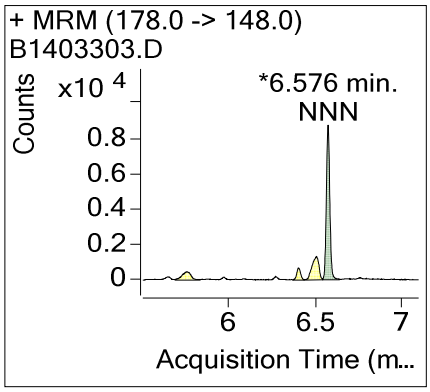
Sample Chromatogram

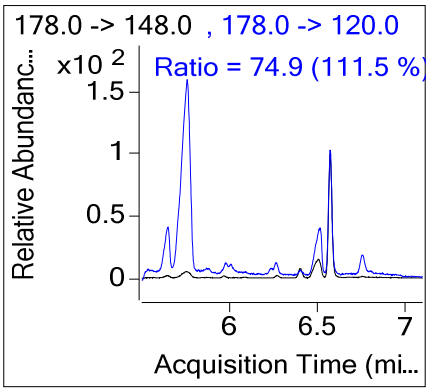


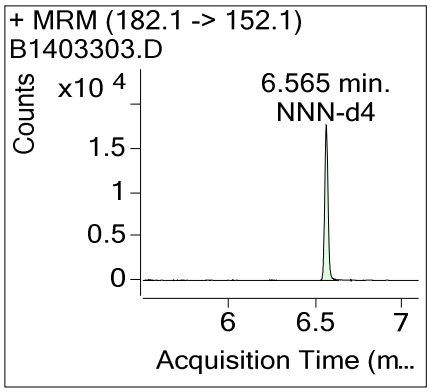
Quantitation Results

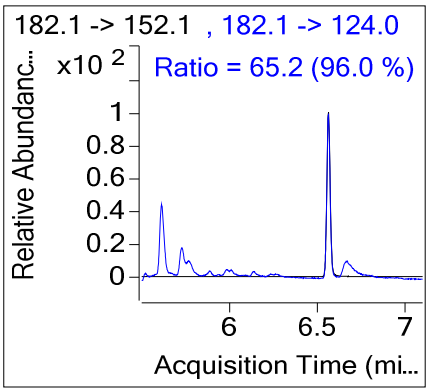
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.576	9.5690	
NNK	NNK-d4	7.967	8.8567	

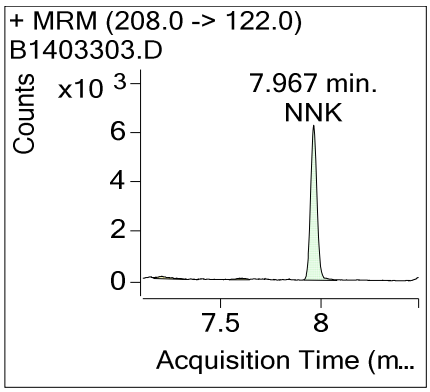
Compound Graphics

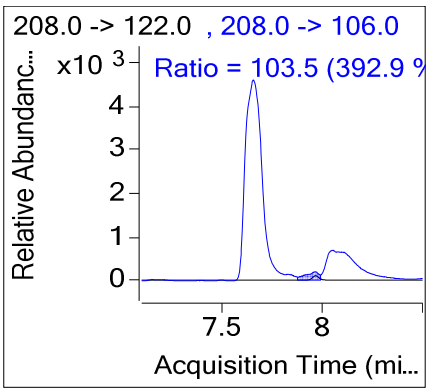


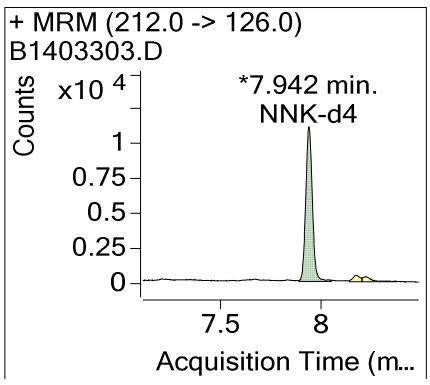


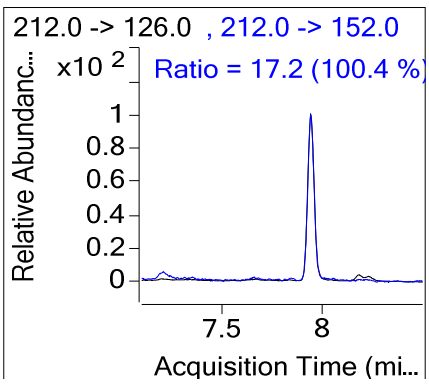












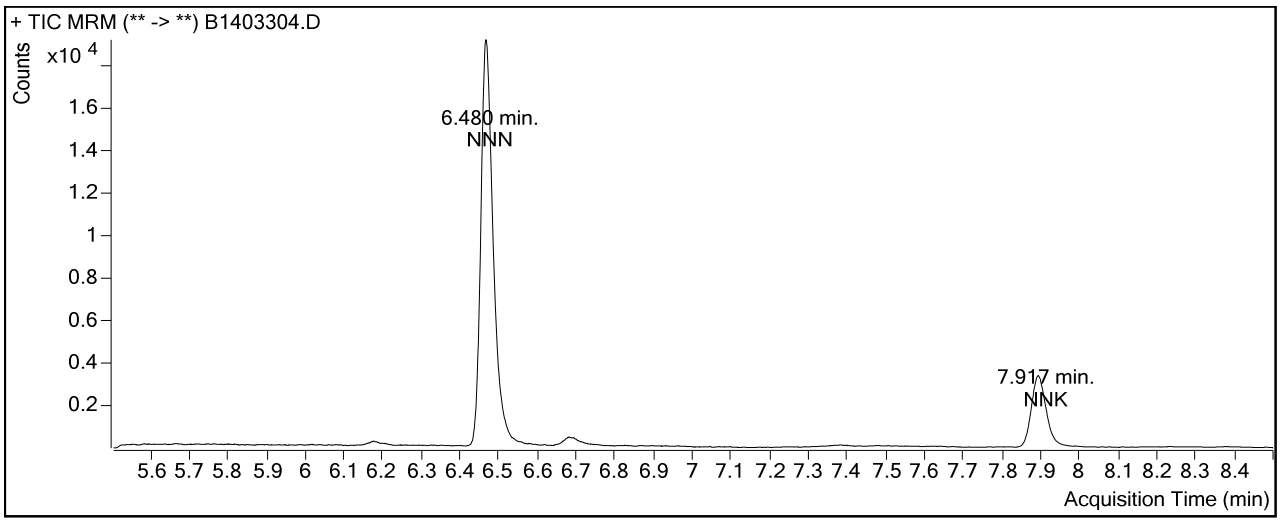
Quantitative Analysis Sample Report

Batch Data Path	D:\Data\MS2014Q3\Bender\data\jul14\Bender p0039\QuantResults\Bender p0041 0814-52 NNN NNK eliq.batch.bin		
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 15:15	**Data File**	B1403304.D
Position	113	**Sample Name**	0814-52 NAs Blk-01
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	Sample	**Comment**	TSCPrep p558

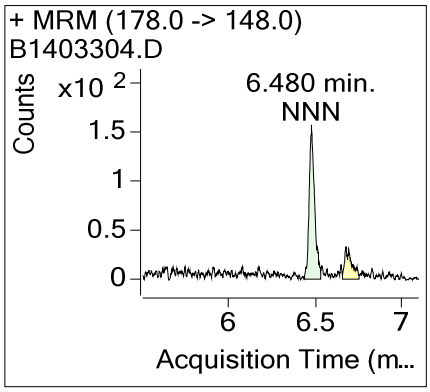
Sample Chromatogram

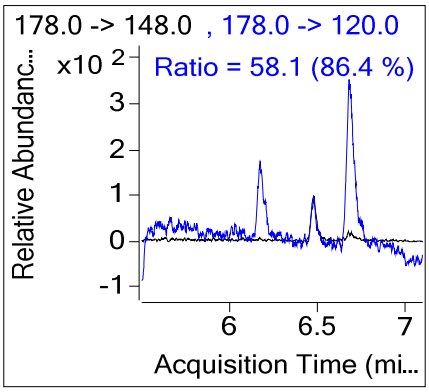


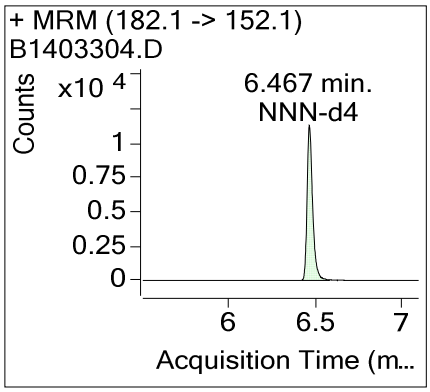
Quantitation Results

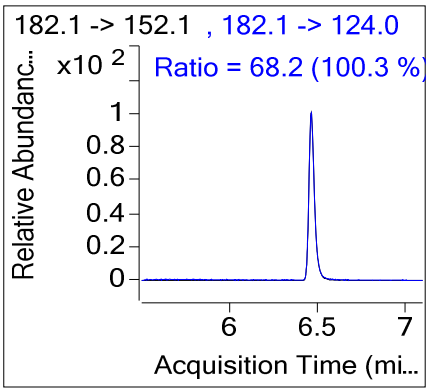
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.480	0.2554	
NNK	NNK-d4	7.917	0.2929	

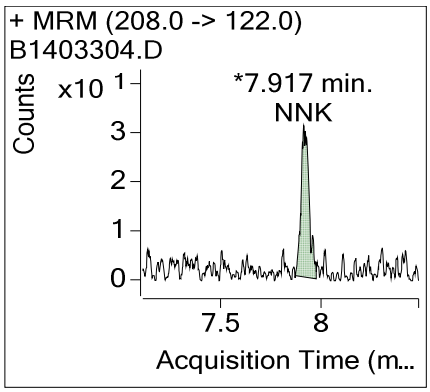
Compound Graphics

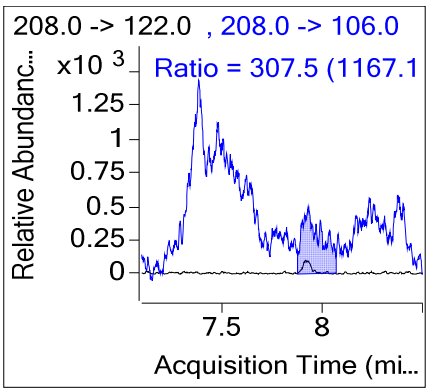


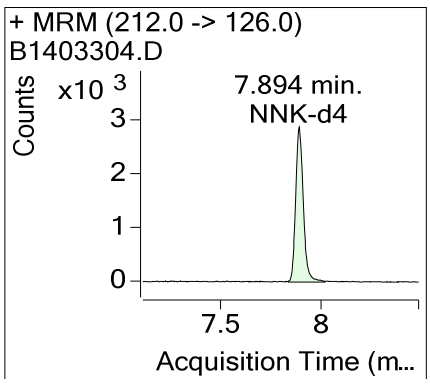


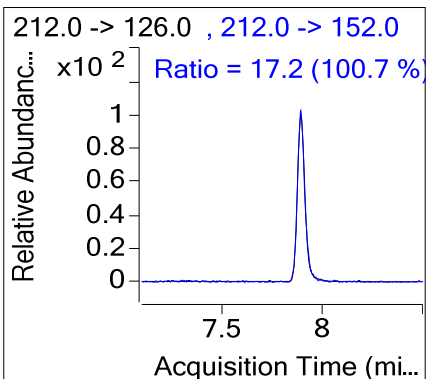












Quantitative Analysis Sample Report

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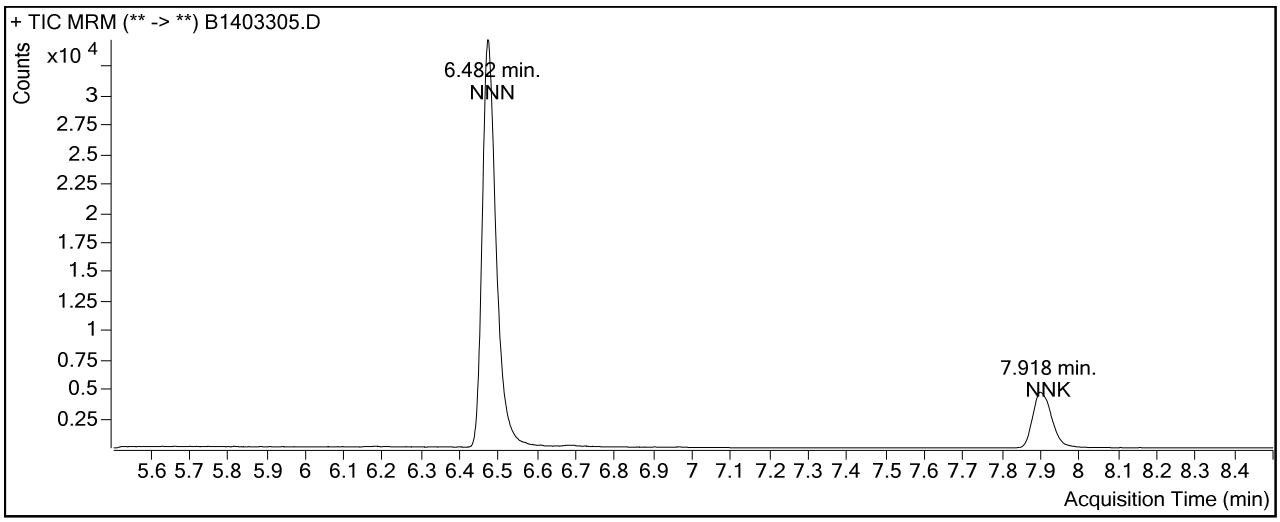
Analysis Time	8/15/2014 10:48 AM	**Analyst Name**	EAINC\SBrown
Report Time	8/15/2014 2:08 PM	**Reporter Name**	EAINC\SBrown
Last Calib Update	8/15/2014 10:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2014-08-14 15:27	**Data File**	B1403305.D
Position	5	**Sample Name**	Concal (TSNAs Std 4)
Dilution	1	**Sample Info**	
Inj Vol	5	**Acq Method File**	NNN-NNK Smk-STP PCI-PTV 01
Sample Type	QC	**Comment**	NA-EXT01-192-4

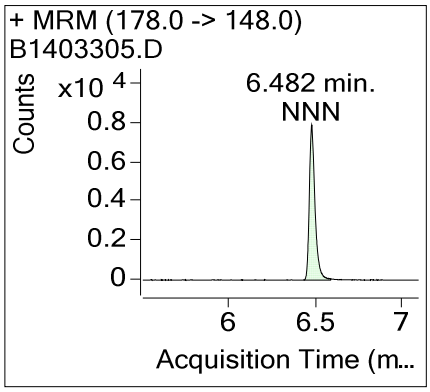
Sample Chromatogram

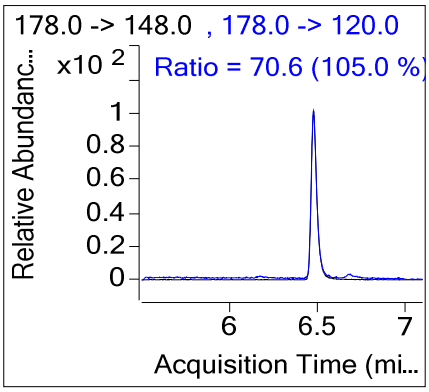


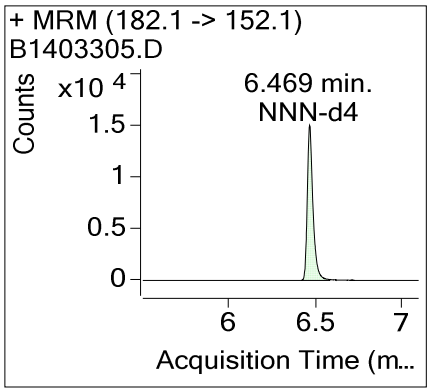
Quantitation Results

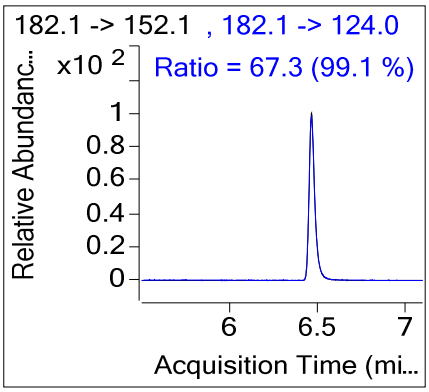
Compound	ISTD	RT	Conc (ng/mL)	Accuracy
NNN	NNN-d4	6.482	9.6960	96.96
NNK	NNK-d4	7.918	9.2439	92.44

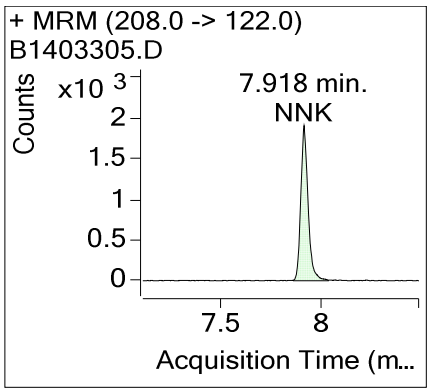
Compound Graphics

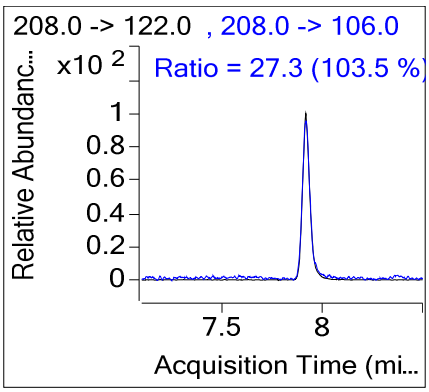


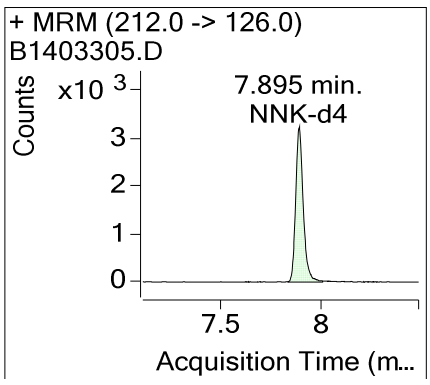


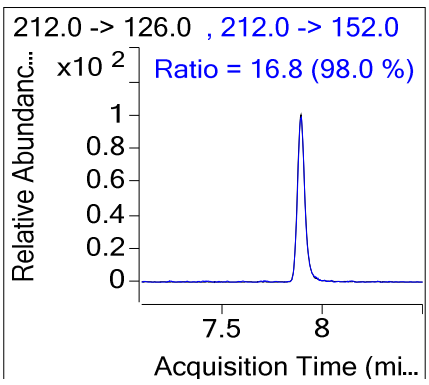












Raw Data

This Is The Last Page Of This Report.