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Automated Report

Technical Report for

Anderson Mulholland and Assoc.

BMSMC, Building 5 Area, Puerto Rico

SM04.00.06

SGS Accutest Job Number: MC45754

Sampling Dates: 05/04/16 - 05/05/16

Report to:

Anderson-Mulholland and Associates Inc.
2700 Westchester Avenue
Purchase, NY 00677
roreilly@amaiconsult.com; ttaylor@amaiconsult.com

ATTN: Terry Taylor

Total number of pages in report: **1254**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

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Sample Summary

Anderson Mulholland and Assoc.

Job No: MC45754

BMSMC, Building 5 Area, Puerto Rico
Project No: SM04.00.06

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC45754-1	05/04/16	12:10	JV	05/06/16	AQ	Ground Water	S43S
MC45754-1A	05/04/16	12:10	JV	05/06/16	AQ	Ground Water	S43S
MC45754-2	05/04/16	14:45	TT	05/06/16	AQ	Ground Water	RA-11 GWD
MC45754-2A	05/04/16	14:45	TT	05/06/16	AQ	Ground Water	RA-11 GWD
MC45754-3	05/05/16	10:05	NR	05/06/16	AQ	Equipment Blank	EB050516
MC45754-3A	05/05/16	10:05	NR	05/06/16	AQ	Equipment Blank	EB050516
MC45754-4	05/05/16	10:30	TT	05/06/16	AQ	Ground Water	RA-10 GWS
MC45754-4A	05/05/16	10:30	TT	05/06/16	AQ	Ground Water	RA-10 GWS
MC45754-5	05/05/16	12:35	NR	05/06/16	AQ	Ground Water	S-43D
MC45754-5A	05/05/16	12:35	NR	05/06/16	AQ	Ground Water	S-43D
MC45754-6	05/05/16	13:45	TT	05/06/16	AQ	Ground Water	RA-10 GWD
MC45754-6A	05/05/16	13:45	TT	05/06/16	AQ	Ground Water	RA-10 GWD

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Anderson Mulholland and Assoc.	**Job No**	MC45754
Site:	BMSMC, Building 5 Area, Puerto Rico	**Report Date**	5/11/2016 10:55:50 A

6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on between 05/04/2016 and 05/05/2016 and were received at SGS Accutest New England on 05/06/2016 properly preserved, at 0.8 Deg. C and intact. These Samples received a job number of MC45754. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GC By Method MADEP VPH REV 1.1

Matrix: AQ **Batch ID:** GBH2299

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC45754-3MS, MC45754-3MSD were used as the QC samples indicated.

Extractables by GC By Method MADEP EPH REV 1.1

Matrix: AQ **Batch ID:** OP47379

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC45754).

Summary of Hits

Job Number: MC45754
Account: Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Collected: 05/04/16 thru 05/05/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC45754-1	**S43S**					
C5- C8 Aliphatics (Unadj.)		88.6	50	40	ug/l	MADEP VPH REV 1.1
C9- C12 Aliphatics (Unadj.)		63.5	50	40	ug/l	MADEP VPH REV 1.1
C5- C8 Aliphatics		75.0	50	40	ug/l	MADEP VPH REV 1.1
MC45754-1A	**S43S**					
C11-C22 Aromatics (Unadj.)		80.3 J	110	76	ug/l	MADEP EPH REV 1.1
C11-C22 Aromatics		80.3 J	110	76	ug/l	MADEP EPH REV 1.1
MC45754-2	**RA-11 GWD**					
C5- C8 Aliphatics (Unadj.)		87.7	50	40	ug/l	MADEP VPH REV 1.1
C5- C8 Aliphatics		82.7	50	40	ug/l	MADEP VPH REV 1.1
MC45754-2A	**RA-11 GWD**					
No hits reported in this sample.						
MC45754-3	**EB050516**					
No hits reported in this sample.						
MC45754-3A	**EB050516**					
C11-C22 Aromatics (Unadj.)		94.0 J	100	72	ug/l	MADEP EPH REV 1.1
C11-C22 Aromatics		94.0 J	100	72	ug/l	MADEP EPH REV 1.1
MC45754-4	**RA-10 GWS**					
No hits reported in this sample.						
MC45754-4A	**RA-10 GWS**					
No hits reported in this sample.						
MC45754-5	**S-43D**					
C5- C8 Aliphatics (Unadj.)		87.7	50	40	ug/l	MADEP VPH REV 1.1
C9- C12 Aliphatics (Unadj.)		53.2	50	40	ug/l	MADEP VPH REV 1.1
C5- C8 Aliphatics		73.7	50	40	ug/l	MADEP VPH REV 1.1

Summary of Hits

Job Number: MC45754
Account: Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Collected: 05/04/16 thru 05/05/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC45754-5A	**S-43D**					
No hits reported in this sample.						
MC45754-6	**RA-10 GWD**					
C5- C8 Aliphatics (Unadj.)		44.3 J	50	40	ug/l	MADEP VPH REV 1.1
C9- C12 Aliphatics (Unadj.)		103	50	40	ug/l	MADEP VPH REV 1.1
C9- C10 Aromatics (Unadj.)		68.3	50	40	ug/l	MADEP VPH REV 1.1
MC45754-6A	**RA-10 GWD**					
C11-C22 Aromatics (Unadj.)		93.2 J	110	80	ug/l	MADEP EPH REV 1.1
C11-C22 Aromatics		93.2 J	110	80	ug/l	MADEP EPH REV 1.1

Sample Results

Report of Analysis

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Report of Analysis

Client Sample ID:	S43S		
Lab Sample ID:	MC45754-1	**Date Sampled:**	05/04/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39116.D	1	05/06/16	DF	n/a	n/a	GBH2299
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	88.6	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	63.5	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	75.0	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	87%		70-130%
	2,3,4-Trifluorotoluene	85%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	S43S		
Lab Sample ID:	MC45754-1A	**Date Sampled:**	05/04/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14070.D	1	05/10/16	TA	05/06/16	OP47379	GDE789
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	80.3	110	76	ug/l	J
	C9-C18 Aliphatics	ND	110	76	ug/l	
	C19-C36 Aliphatics	ND	110	76	ug/l	
	C11-C22 Aromatics	80.3	110	76	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		40-140%
321-60-8	2-Fluorobiphenyl	98%		40-140%
3386-33-2	1-Chlorooctadecane	46%		40-140%
580-13-2	2-Bromonaphthalene	92%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	RA-11 GWD		
Lab Sample ID:	MC45754-2	**Date Sampled:**	05/04/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39117.D	1	05/06/16	DF	n/a	n/a	GBH2299
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	87.7	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	82.7	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	86%		70-130%
	2,3,4-Trifluorotoluene	83%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	RA-11 GWD		
Lab Sample ID:	MC45754-2A	**Date Sampled:**	05/04/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14071.D	1	05/10/16	TA	05/06/16	OP47379	GDE789
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	80	ug/l	
	C9-C18 Aliphatics	ND	110	80	ug/l	
	C19-C36 Aliphatics	ND	110	80	ug/l	
	C11-C22 Aromatics	ND	110	80	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		40-140%
321-60-8	2-Fluorobiphenyl	94%		40-140%
3386-33-2	1-Chlorooctadecane	55%		40-140%
580-13-2	2-Bromonaphthalene	98%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	EB050516		
Lab Sample ID:	MC45754-3	**Date Sampled:**	05/05/16
Matrix:	AQ - Equipment Blank	**Date Received:**	05/06/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39110.D	1	05/06/16	DF	n/a	n/a	GBH2299
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	ND	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	83%		70-130%
	2,3,4-Trifluorotoluene	82%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	EB050516		
Lab Sample ID:	MC45754-3A	**Date Sampled:**	05/05/16
Matrix:	AQ - Equipment Blank	**Date Received:**	05/06/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14072.D	1	05/10/16	TA	05/06/16	OP47379	GDE789
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	94.0	100	72	ug/l	J
	C9-C18 Aliphatics	ND	100	72	ug/l	
	C19-C36 Aliphatics	ND	100	72	ug/l	
	C11-C22 Aromatics	94.0	100	72	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		40-140%
321-60-8	2-Fluorobiphenyl	103%		40-140%
3386-33-2	1-Chlorooctadecane	56%		40-140%
580-13-2	2-Bromonaphthalene	105%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	RA-10 GWS		
Lab Sample ID:	MC45754-4	**Date Sampled:**	05/05/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39113.D	1	05/06/16	DF	n/a	n/a	GBH2299
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	ND	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	84%		70-130%
	2,3,4-Trifluorotoluene	82%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	RA-10 GWS		
Lab Sample ID:	MC45754-4A	**Date Sampled:**	05/05/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14073.D	1	05/10/16	TA	05/06/16	OP47379	GDE789
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	80	ug/l	
	C9-C18 Aliphatics	ND	110	80	ug/l	
	C19-C36 Aliphatics	ND	110	80	ug/l	
	C11-C22 Aromatics	ND	110	80	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		40-140%
321-60-8	2-Fluorobiphenyl	93%		40-140%
3386-33-2	1-Chlorooctadecane	53%		40-140%
580-13-2	2-Bromonaphthalene	94%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	S-43D		
Lab Sample ID:	MC45754-5	**Date Sampled:**	05/05/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39114.D	1	05/06/16	DF	n/a	n/a	GBH2299
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	87.7	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	53.2	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	73.7	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	86%		70-130%
	2,3,4-Trifluorotoluene	85%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	S-43D		
Lab Sample ID:	MC45754-5A	**Date Sampled:**	05/05/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14074.D	1	05/10/16	TA	05/06/16	OP47379	GDE789
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	100	72	ug/l	
	C9-C18 Aliphatics	ND	100	72	ug/l	
	C19-C36 Aliphatics	ND	100	72	ug/l	
	C11-C22 Aromatics	ND	100	72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-140%
321-60-8	2-Fluorobiphenyl	94%		40-140%
3386-33-2	1-Chlorooctadecane	60%		40-140%
580-13-2	2-Bromonaphthalene	97%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	RA-10 GWD		
Lab Sample ID:	MC45754-6	**Date Sampled:**	05/05/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39115.D	1	05/06/16	DF	n/a	n/a	GBH2299
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	44.3	50	40	ug/l	J
	C9- C12 Aliphatics (Unadj.)	103	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	68.3	50	40	ug/l	
	C5- C8 Aliphatics	ND	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	89%		70-130%
	2,3,4-Trifluorotoluene	87%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	RA-10 GWD		
Lab Sample ID:	MC45754-6A	**Date Sampled:**	05/05/16
Matrix:	AQ - Ground Water	**Date Received:**	05/06/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14075.D	1	05/10/16	TA	05/06/16	OP47379	GDE789
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	93.2	110	80	ug/l	J
	C9-C18 Aliphatics	ND	110	80	ug/l	
	C19-C36 Aliphatics	ND	110	80	ug/l	
	C11-C22 Aromatics	93.2	110	80	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		40-140%
321-60-8	2-Fluorobiphenyl	95%		40-140%
3386-33-2	1-Chlorooctadecane	62%		40-140%
580-13-2	2-Bromonaphthalene	91%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS ACCUTEST - NE

CHAIN OF CUSTODY

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

80996056971b

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Bottle Order Control # MC45754
SGS Accutest Quote #
SGS Accutest Job # Get from NJ

Client / Reporting Information

Company Name: Anderson Mulholland Assoc. Inc.
Street Address: 2700 Westchester
City State Zip: Purchase NY
Project Contact E-mail: Terry Taylor
Phone # 914-251-0400 Fax #
Sampler(s) Name(s) Phone #: N. Rivera, T. Taylor, D. Lindstrand

Project Information

Project Name: BMS Release Assessment
Street:
City:
Project#:
Client PO#:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfite	VMAVPH	BMAEPHR	LAB USE ONLY
-1	S43S		5/4/16	1210	JV	GW	5	5									X	X	
-2	RA-11 GWD		5/4/16	1445	TT	GW	5	5									X	X	
-3	EB050516		5/5/16	1005	NR	EB	5	5									X	X	
-4	RA-10 GWS		5/5/16	1030	TT	GW	5	5									X	X	
-5	S-43D		5/5/16	1235	NR	GW	5	5									X	X	
-6	RA-10 GWD		5/5/16	1345	TT	GW	5	5									X	X	17A
																			3CY

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Turnaround Time (Business days)

- [x] Std. 10 Business Days For soil samples
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [x] 1 Day *EMERGENCY* For aqueous samples

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

RUSH!

Comments / Special Instructions

INITIAL ASESSMENT
LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery.

10.00

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	05/05/16 1500	1 Fed EX	2 [signature]	5/6/16	2 [signature]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seals# 446/274 ☐ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 0.3, 0.8 C

5.1 5

MC45754: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC45754 **Client:** ANDERSON **Project:** BMS

Date / Time Received: 5/6/2016 10:00:00 AM **Delivery Method:** FedEx **Airbill #'s:** 8099 6056 9716 0402

Cooler Temps (Initial/Adjusted): #: (0.8/0.8); #1: (0.3/0.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	IRGUN1;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

5.1

5

MC45754: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

Anderson Mulholland and Assoc.

Job No: MC45754

BMSMC, Building 5 Area, Puerto Rico
Project No: SM04.00.06

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC45754-1	Collected: 04-MAY-16 12:10 By: JV		Received: 06-MAY-16 By: NT			
S43S						
MC45754-1	MADEP VPH REV 1.1	06-MAY-16 17:47	DF			VMAVPHR
MC45754-2	Collected: 04-MAY-16 14:45 By: TT		Received: 06-MAY-16 By: NT			
RA-11 GWD						
MC45754-2	MADEP VPH REV 1.1	06-MAY-16 18:22	DF			VMAVPHR
MC45754-3	Collected: 05-MAY-16 10:05 By: NR		Received: 06-MAY-16 By: NT			
EB050516						
MC45754-3	MADEP VPH REV 1.1	06-MAY-16 14:17	DF			VMAVPHR
MC45754-4	Collected: 05-MAY-16 10:30 By: TT		Received: 06-MAY-16 By: NT			
RA-10 GWS						
MC45754-4	MADEP VPH REV 1.1	06-MAY-16 16:02	DF			VMAVPHR
MC45754-5	Collected: 05-MAY-16 12:35 By: NR		Received: 06-MAY-16 By: NT			
S-43D						
MC45754-5	MADEP VPH REV 1.1	06-MAY-16 16:37	DF			VMAVPHR
MC45754-6	Collected: 05-MAY-16 13:45 By: TT		Received: 06-MAY-16 By: NT			
RA-10 GWD						
MC45754-6	MADEP VPH REV 1.1	06-MAY-16 17:12	DF			VMAVPHR
MC45754-1A	Collected: 04-MAY-16 12:10 By: JV		Received: 06-MAY-16 By: NT			
S43S						
MC45754-1A	MADEP EPH REV 1.1	10-MAY-16 19:52	TA	06-MAY-16	IC	BMAEPHR
MC45754-2A	Collected: 04-MAY-16 14:45 By: TT		Received: 06-MAY-16 By: NT			
RA-11 GWD						
MC45754-2A	MADEP EPH REV 1.1	10-MAY-16 20:20	TA	06-MAY-16	IC	BMAEPHR

Internal Sample Tracking Chronicle

Anderson Mulholland and Assoc.

Job No: MC45754

BMSMC, Building 5 Area, Puerto Rico
Project No: SM04.00.06

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC45754-3A EB050516	Collected: 05-MAY-16 10:05 By: NR		Received: 06-MAY-16 By: NT			
MC45754-3A	MADEP EPH REV 1.1	10-MAY-16 20:48	TA	06-MAY-16	IC	BMAEPHR
MC45754-4A RA-10 GWS	Collected: 05-MAY-16 10:30 By: TT		Received: 06-MAY-16 By: NT			
MC45754-4A	MADEP EPH REV 1.1	10-MAY-16 21:16	TA	06-MAY-16	IC	BMAEPHR
MC45754-5A S-43D	Collected: 05-MAY-16 12:35 By: NR		Received: 06-MAY-16 By: NT			
MC45754-5A	MADEP EPH REV 1.1	10-MAY-16 21:44	TA	06-MAY-16	IC	BMAEPHR
MC45754-6A RA-10 GWD	Collected: 05-MAY-16 13:45 By: TT		Received: 06-MAY-16 By: NT			
MC45754-6A	MADEP EPH REV 1.1	10-MAY-16 22:12	TA	06-MAY-16	IC	BMAEPHR

SGS Accutest Internal Chain of Custody

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Received: 05/06/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC45754-1.1	VOC Ref #3	Daniel Freedman	05/06/16 13:48	Retrieve from Storage
MC45754-1.1	Daniel Freedman	GCBH	05/06/16 13:48	Load on Instrument
MC45754-1.1	GCBH	Daniel Freedman	05/07/16 09:28	Unload from Instrument
MC45754-1.1	Daniel Freedman	VOC Ref #3	05/07/16 09:28	Return to Storage
MC45754-1.4	Walk In Ref #22	Ilir Capi	05/06/16 16:34	Retrieve from Storage
MC45754-2.1	VOC Ref #3	Daniel Freedman	05/06/16 13:48	Retrieve from Storage
MC45754-2.1	Daniel Freedman	GCBH	05/06/16 13:48	Load on Instrument
MC45754-2.1	GCBH	Daniel Freedman	05/07/16 09:28	Unload from Instrument
MC45754-2.1	Daniel Freedman	VOC Ref #3	05/07/16 09:28	Return to Storage
MC45754-2.4	Walk In Ref #22	Ilir Capi	05/06/16 16:34	Retrieve from Storage
MC45754-3.1	VOC Ref #3	Daniel Freedman	05/06/16 13:30	Retrieve from Storage
MC45754-3.1	Daniel Freedman	GCBH	05/06/16 13:30	Load on Instrument
MC45754-3.1	GCBH	Daniel Freedman	05/07/16 09:28	Unload from Instrument
MC45754-3.1	Daniel Freedman	VOC Ref #3	05/07/16 09:28	Return to Storage
MC45754-3.2	VOC Ref #3	Daniel Freedman	05/06/16 13:30	Retrieve from Storage
MC45754-3.2	Daniel Freedman	GCBH	05/06/16 13:30	Load on Instrument
MC45754-3.2	GCBH	Daniel Freedman	05/07/16 09:28	Unload from Instrument
MC45754-3.2	Daniel Freedman	VOC Ref #3	05/07/16 09:28	Return to Storage
MC45754-3.5	Walk In Ref #22	Ilir Capi	05/06/16 16:34	Retrieve from Storage
MC45754-4.1	VOC Ref #3	Daniel Freedman	05/06/16 13:30	Retrieve from Storage
MC45754-4.1	Daniel Freedman	GCBH	05/06/16 13:30	Load on Instrument
MC45754-4.1	GCBH	Daniel Freedman	05/07/16 09:28	Unload from Instrument
MC45754-4.1	Daniel Freedman	VOC Ref #3	05/07/16 09:28	Return to Storage
MC45754-4.4	Walk In Ref #22	Ilir Capi	05/06/16 16:34	Retrieve from Storage
MC45754-4.4	Ilir Capi	Walk In Ref #22	05/06/16 19:52	Return to Storage
MC45754-4.4	Walk In Ref #22	Ilir Capi	05/06/16 19:54	Retrieve from Storage
MC45754-4.4	Ilir Capi	Walk In Ref #22	05/06/16 19:55	Return to Storage
MC45754-4.5	Walk In Ref #22	Ilir Capi	05/06/16 19:54	Retrieve from Storage
MC45754-5.1	VOC Ref #3	Daniel Freedman	05/06/16 13:30	Retrieve from Storage
MC45754-5.1	Daniel Freedman	GCBH	05/06/16 13:30	Load on Instrument
MC45754-5.1	GCBH	Daniel Freedman	05/07/16 09:28	Unload from Instrument
MC45754-5.1	Daniel Freedman	VOC Ref #3	05/07/16 09:28	Return to Storage
MC45754-5.5	Walk In Ref #22	Ilir Capi	05/06/16 16:34	Retrieve from Storage

SGS Accutest Internal Chain of Custody

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Received: 05/06/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC45754-6.1	VOC Ref #3	Daniel Freedman	05/06/16 13:30	Retrieve from Storage
MC45754-6.1	Daniel Freedman	GCBH	05/06/16 13:30	Load on Instrument
MC45754-6.1	GCBH	Daniel Freedman	05/07/16 09:28	Unload from Instrument
MC45754-6.1	Daniel Freedman	VOC Ref #3	05/07/16 09:28	Return to Storage
MC45754-6.4	Walk In Ref #22	Ilir Capi	05/06/16 16:34	Retrieve from Storage

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH2299-MB	BH39101.D	1	05/06/16	DF	n/a	n/a	GBH2299

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

MC45754-1, MC45754-2, MC45754-3, MC45754-4, MC45754-5, MC45754-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	ND	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries		Limits
	2,3,4-Trifluorotoluene	85%	70-130%
	2,3,4-Trifluorotoluene	83%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH2299-BSP	BH39102.D	1	05/06/16	DF	n/a	n/a	GBH2299
GBH2299-BSD	BH39103.D	1	05/06/16	DF	n/a	n/a	GBH2299

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

MC45754-1, MC45754-2, MC45754-3, MC45754-4, MC45754-5, MC45754-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	C5- C8 Aliphatics (Unadj.)	150	121	81	120	80	1	70-130/25
	C9- C12 Aliphatics (Unadj.)	150	117	78	118	79	1	70-130/25
	C9- C10 Aromatics (Unadj.)	50	43.0	86	43.2	86	0	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
	2,3,4-Trifluorotoluene	87%	88%	70-130%
	2,3,4-Trifluorotoluene	86%	85%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC45754-3MS	BH39111.D	1	05/06/16	DF	n/a	n/a	GBH2299
MC45754-3MSD	BH39112.D	1	05/06/16	DF	n/a	n/a	GBH2299
MC45754-3	BH39110.D	1	05/06/16	DF	n/a	n/a	GBH2299

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

MC45754-1, MC45754-2, MC45754-3, MC45754-4, MC45754-5, MC45754-6

CAS No.	Compound	MC45754-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	C5- C8 Aliphatics (Unadj.)	ND		350	254	73	350	251	72	1	70-130/25
	C9- C12 Aliphatics (Unadj.)	ND		400	390	97	400	384	96	2	70-130/25
	C9- C10 Aromatics (Unadj.)	ND		150	131	87	150	128	85	2	70-130/25

CAS No.	Surrogate Recoveries	MS	MSD	MC45754-3	Limits
	2,3,4-Trifluorotoluene	87%	86%	83%	70-130%
	2,3,4-Trifluorotoluene	85%	84%	82%	70-130%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Method: MADEP VPH REV 1.1 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC45754-1	BH39116.D	87	85
MC45754-2	BH39117.D	86	83
MC45754-3	BH39110.D	83	82
MC45754-4	BH39113.D	84	82
MC45754-5	BH39114.D	86	85
MC45754-6	BH39115.D	89	87
GBH2299-BSD	BH39103.D	88	85
GBH2299-BSP	BH39102.D	87	86
GBH2299-MB	BH39101.D	85	83
MC45754-3MS	BH39111.D	87	85
MC45754-3MSD	BH39112.D	86	84

Surrogate Compounds	Recovery Limits
S1 = 2,3,4-Trifluorotoluene	70-130%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Check Std:	GBH2299-CC2295	**Injection Date:**	05/06/16
Lab File ID:	BH39100.D	**Injection Time:**	08:27
Instrument ID:	GCBH	**Method:**	MADEP VPH REV 1.1

	S1 [a] RT	S1 [b] RT
Check Std	19.79	19.79

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
GBH2299-MB	BH39101.D	05/06/16	09:02	19.79	19.79
GBH2299-BSP	BH39102.D	05/06/16	09:37	19.78	19.79
GBH2299-BSD	BH39103.D	05/06/16	10:12	19.78	19.78
ZZZZZZ	BH39104.D	05/06/16	10:47	19.79	19.78
ZZZZZZ	BH39106.D	05/06/16	11:57	19.78	19.78
ZZZZZZ	BH39107.D	05/06/16	12:32	19.79	19.78
ZZZZZZ	BH39108.D	05/06/16	13:07	19.78	19.78
ZZZZZZ	BH39109.D	05/06/16	13:42	19.79	19.79
MC45754-3	BH39110.D	05/06/16	14:17	19.78	19.79
MC45754-3MS	BH39111.D	05/06/16	14:52	19.78	19.78
MC45754-3MSD	BH39112.D	05/06/16	15:27	19.78	19.78
MC45754-4	BH39113.D	05/06/16	16:02	19.78	19.79
MC45754-5	BH39114.D	05/06/16	16:37	19.78	19.79
MC45754-6	BH39115.D	05/06/16	17:12	19.79	19.79
MC45754-1	BH39116.D	05/06/16	17:47	19.78	19.78
MC45754-2	BH39117.D	05/06/16	18:22	19.79	19.78
ZZZZZZ	BH39118.D	05/06/16	18:57	19.78	19.79
ZZZZZZ	BH39119.D	05/06/16	19:31	19.79	19.79
ZZZZZZ	BH39120.D	05/06/16	20:06	19.78	19.79
ZZZZZZ	BH39121.D	05/06/16	20:41	19.79	19.79
ZZZZZZ	BH39122.D	05/06/16	21:16	19.78	19.78
ZZZZZZ	BH39123.D	05/06/16	21:50	19.78	19.78

Surrogate Compounds

S1 = 2,3,4-Trifluorotoluene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

Initial Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GBH2295-ICC2295
Lab FileID: BH39063.D

```
                         Response Factor Report  GCBH

  Method       : C:\msdchem\1\METHODS\bh160420vph.m (ChemStation Integrator)
  Title        : vph
  Last Update  : Wed Apr 20 14:59:29 2016
  Response via : Initial Calibration

  Calibration Files
  7   =BH39059.d   6   =BH39060.d   5   =BH39062.d   4   =BH39063.d
  3   =BH39064.d   2   =BH39065.d   1   =BH39067.d   8   =BH39061.d
  9   =BH39066.d       =

   Compound
             7     6     5     4     3     2     1     8     9       Avg    %RSD
  ---------------------------------------------------------------------------
  1)  rt5.5-7
            1.033             1.033                                 1.033 E6    0.00
  2)  rt7/10
            1.033             1.033                                 1.033 E6    0.00
  3)  rt10/13
            1.033             1.033                                 1.033 E6    0.00
  4)  fluorobenzene
            0.946 0.923 0.908 0.893 0.982 0.966 0.925 0.895 1.013   0.939 E6    4.37
  5)  rt13/16
                                                                    0.000   -1.00
  6)  2,3,4-trifluorotoluene
            8.218 7.863 7.584 7.393 8.236 8.142 9.342 7.533 8.847   8.129 E5    7.87
  7)  rt16/20
                                                                    0.000   -1.00
  8)  rt20/25
            1.203             1.203                                 1.203 E6    0.00
  9)  rt25/29
                                                                    0.000   -1.00
 10)  decane
            1.203             1.203                                 1.203 E6    0.00
 11)  butylcyclohexane
            1.203             1.203                                 1.203 E6    0.00
 12)  2,5-dibromotoluene
                                                                    0.000   -1.00

Signal #2

 14)  mtbe #2
            2.568 2.752 2.864 2.796 3.034 2.781 2.797 2.764 2.951   2.812 E5    4.67
 15)  benzene #2
            6.275 6.367 6.372 6.224 6.815 6.598 7.287 6.257 6.995   6.577 E5    5.74
 16)  fluorobenzene #2
            3.995 4.033 3.993 3.916 4.241 4.165 4.052 3.946 4.236   4.064 E5    2.99
 17)  toluene #2
            6.047 6.041 5.963 5.827 6.393 6.212 6.737 5.896 6.386   6.167 E5    4.75
 18)  2,3,4-trifluorotoluene #2
            2.520 2.482 2.408 2.344 2.535 2.580 2.923 2.396 2.670   2.540 E5    6.90
 19)  ethylbenzene #2
            5.521 5.493 5.384 5.167 5.628 5.396 5.712 5.315 5.628   5.472 E5    3.17
 20)  m,p-xylene #2
            6.510 6.558 6.461 6.340 6.946 6.728 7.073 6.361 7.057   6.670 E5    4.36
 21)  o-xylene #2
            5.737 5.730 5.575 5.439 6.067 5.964 6.260 5.555 6.066   5.821 E5    4.81
 22)  1,3,5-trimethylbenzene #2
            7.906 7.985 8.050 7.961 8.568 8.431 9.332 7.917 9.058   8.356 E5    6.39
```

Initial Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GBH2295-ICC2295
Lab FileID: BH39063.D

```
23)  1,2,4-trimethylbenzene #2
           6.025 6.069 6.131 6.021 6.615 6.483 7.473 6.052 7.100   6.441 E5    8.27
24)  naphthalene #2
           4.522 4.625 5.424 5.340 6.063 5.646 6.509 4.927 6.148   5.467 E5   12.69
25)  c9-c10 arom as 1,2,4-tmb
           6.029 6.047 6.141 6.051 6.573 6.505 7.480 6.036 7.101   6.440 E5    8.27
26)  2,5-dibromotoluene #2
                                                                   0.000   -1.00
-----------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          bh160420vph.m        Thu Apr 21 15:08:12 2016
```

Initial Calibration Verification

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GBH2295-ICV2295
Lab FileID: BH39068.D

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   2:17 pm
Operator  : danielf
Sample    : icv2295-50
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 10   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 15:04:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title  : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	h	rt5.5-7	1.033	0.876 E6	15.2	85	0.00
2	h	rt7/10	1.033	0.958 E6	7.3	93	0.00
3	h	rt10/13	1.033	1.111 E6	-7.6	108	0.00
4	s	fluorobenzene	938.974	892.300 E3	5.0	100	0.00
6	s	2,3,4-trifluorotoluene	812.881	737.869 E3	9.2	100	0.00
8	h	rt20/25	1.203	1.017 E6	15.5	85	0.00
10	h	decane	1.203	1.009 E6	16.1	84	0.00
11	h	butylcyclohexane	1.203	1.126 E6	6.4	94	0.00
Signal #2							
14	t	mtbe #2	281.200	267.343 E3	4.9	96	0.00
15	t	benzene #2	657.678	608.488 E3	7.5	98	0.00
16	s	fluorobenzene #2	406.417	381.887 E3	6.0	98	0.00
17	t	toluene #2	616.689	567.467 E3	8.0	97	0.00
18	s	2,3,4-trifluorotoluene #2	253.979	227.889 E3	10.3	97	0.00
19	t	ethylbenzene #2	547.161	509.400 E3	6.9	99	0.00
20	t	m,p-xylene #2	667.038	616.484 E3	7.6	97	0.00
21	t	o-xylene #2	582.146	526.500 E3	9.6	97	0.00
22	t	1,3,5-trimethylbenzene #2	835.645	777.111 E3	7.0	98	0.00
23	t	1,2,4-trimethylbenzene #2	644.122	590.446 E3	8.3	98	0.00
24	t	naphthalene #2	546.699	521.009 E3	4.7	98	0.00
25	h	c9-c10 arom as 1,2,4-tmb	644.035	590.608 E3	8.3	98	0.00

Evaluate Continuing Calibration Report - Not Founds

5		rt13/16	0.000	0.000	0.0	0#	0.00
7		rt16/20	0.000	0.000	0.0	0#	0.00
9		rt25/29	0.000	0.000	0.0	0#	0.00
12		2,5-dibromotoluene	0.000	0.000	0.0	0#	0.00

Initial Calibration Verification

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GBH2295-ICV2295
Lab FileID: BH39068.D

```
  Signal #2

 26     2,5-dibromotoluene #2         0.000   0.000       0.0     0#  0.00
 ---------------------------------------------------------------------------

    (#) = Out of Range               SPCC's out = 0  CCC's out = 0

bh160420vph.m Thu Apr 21 15:08:02 2016
```

Continuing Calibration Summary

Job Number: MC45754 **Sample:** GBH2299-CC2295
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** BH39100.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    :  6 May 2016   8:27 am
Operator  : danielf
Sample    : cc2295-50
Misc      : gc26216,gbh2299,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:07:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	h	rt5.5-7	1.033	0.689 E6	33.3#	67#	0.00
2	h	rt7/10	1.033	0.818 E6	20.8	79	0.00
3	h	rt10/13	1.033	0.981 E6	5.0	95	0.00
4	s	fluorobenzene	938.974	846.332 E3	9.9	95	0.00
6	s	2,3,4-trifluorotoluene	812.881	699.154 E3	14.0	95	0.00
8	h	rt20/25	1.203	0.906 E6	24.7	75	0.00
10	h	decane	1.203	0.946 E6	21.4	79	0.00
11	h	butylcyclohexane	1.203	1.033 E6	14.1	86	0.00
Signal #2							
14	t	mtbe #2	281.200	265.763 E3	5.5	95	0.00
15	t	benzene #2	657.678	572.491 E3	13.0	92	0.00
16	s	fluorobenzene #2	406.417	374.620 E3	7.8	96	0.00
17	t	toluene #2	616.689	535.447 E3	13.2	92	0.00
18	s	2,3,4-trifluorotoluene #2	253.979	222.489 E3	12.4	95	0.00
19	t	ethylbenzene #2	547.161	474.878 E3	13.2	92	0.00
20	t	m,p-xylene #2	667.038	581.436 E3	12.8	92	0.00
21	t	o-xylene #2	582.146	499.138 E3	14.3	92	0.00
22	t	1,3,5-trimethylbenzene #2	835.645	729.988 E3	12.6	92	0.00
23	t	1,2,4-trimethylbenzene #2	644.122	561.299 E3	12.9	93	0.00
24	t	naphthalene #2	546.699	512.041 E3	6.3	96	0.00
25	h	c9-c10 arom as 1,2,4-tmb	644.035	560.003 E3	13.0	93	0.00

Evaluate Continuing Calibration Report - Not Founds

5		rt13/16	0.000	0.000	0.0	0#	0.00
7		rt16/20	0.000	0.000	0.0	0#	0.00
9		rt25/29	0.000	0.000	0.0	0#	0.00
12		2,5-dibromotoluene	0.000	0.000	0.0	0#	0.00

Continuing Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GBH2299-CC2295
Lab FileID: BH39100.D

```
  Signal #2

 26     2,5-dibromotoluene #2         0.000   0.000       0.0     0#  0.00
 ---------------------------------------------------------------------------

    (#) = Out of Range               SPCC's out = 0  CCC's out = 0

bh160506vph.m Sat May 07 09:35:27 2016
```

Continuing Calibration Summary

Job Number: MC45754 **Sample:** GBH2299-CC2295
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** BH39124.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    :  6 May 2016  10:25 pm
Operator  : danielf
Sample    : cc2295-50
Misc      : gc26216,gbh2299,,,,5,5
ALS Vial  : 25   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:10:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	h	rt5.5-7	1.033	0.687 E6	33.5#	66#	0.00
2	h	rt7/10	1.033	0.814 E6	21.2	79	0.00
3	h	rt10/13	1.033	0.983 E6	4.8	95	0.00
4	s	fluorobenzene	938.974	837.042 E3	10.9	94	0.00
6	s	2,3,4-trifluorotoluene	812.881	691.448 E3	14.9	94	0.00
8	h	rt20/25	1.203	0.904 E6	24.9	75	0.00
10	h	decane	1.203	0.910 E6	24.4	76	0.00
11	h	butylcyclohexane	1.203	1.010 E6	16.0	84	0.00
Signal #2							
14	t	mtbe #2	281.200	272.140 E3	3.2	97	0.00
15	t	benzene #2	657.678	584.107 E3	11.2	94	0.00
16	s	fluorobenzene #2	406.417	382.846 E3	5.8	98	0.00
17	t	toluene #2	616.689	547.796 E3	11.2	94	0.00
18	s	2,3,4-trifluorotoluene #2	253.979	225.824 E3	11.1	96	0.00
19	t	ethylbenzene #2	547.161	486.488 E3	11.1	94	0.00
20	t	m,p-xylene #2	667.038	594.233 E3	10.9	94	0.00
21	t	o-xylene #2	582.146	507.618 E3	12.8	93	0.00
22	t	1,3,5-trimethylbenzene #2	835.645	743.307 E3	11.0	93	0.00
23	t	1,2,4-trimethylbenzene #2	644.122	569.993 E3	11.5	95	0.00
24	t	naphthalene #2	546.699	511.392 E3	6.5	96	0.00
25	h	c9-c10 arom as 1,2,4-tmb	644.035	570.960 E3	11.3	94	0.00

Evaluate Continuing Calibration Report - Not Founds

5		rt13/16	0.000	0.000	0.0	0#	0.00
7		rt16/20	0.000	0.000	0.0	0#	0.00
9		rt25/29	0.000	0.000	0.0	0#	0.00
12		2,5-dibromotoluene	0.000	0.000	0.0	0#	0.00

Continuing Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GBH2299-CC2295
Lab FileID: BH39124.D

```
  Signal #2

 26     2,5-dibromotoluene #2         0.000   0.000       0.0     0#  0.00
 ---------------------------------------------------------------------------

    (#) = Out of Range               SPCC's out = 0  CCC's out = 0

bh160506vph.m Sat May 07 09:35:29 2016
```

GC Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/09/16 11:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:24:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.670	42398580	45.154	ppb	m
Spiked Amount 50.000		Recovery = 90.31%			
6) s 2,3,4-trifluorotoluene	19.785	34556881	42.512	ppb	m
Spiked Amount 50.000		Recovery = 85.02%			
16) s fluorobenzene #2	14.671	18743747	46.120	ppb	m
Spiked Amount 50.000		Recovery = 92.24%			
18) s 2,3,4-trifluorotoluen...	19.785	11036933	43.456	ppb	m
Spiked Amount 50.000		Recovery = 86.91%			
Target Compounds					
1) h rt5.5-7	5.980	11114212	10.762	ppb	
2) h rt7/10	8.250	12059559	11.677	ppb	
3) h rt10/13	13.360	68352970	66.185	ppb	m
8) h rt20/25	21.460	76352981	63.481	ppb	m
14) t mtbe #2	9.018	3567717	12.687	ppb	m
15) t benzene #2	14.168	329017	0.500	ppb	m
17) t toluene #2	18.651	288579	0.468	ppb	m
20) t m,p-xylene #2	21.944	563805	0.845	ppb	m
24) t naphthalene #2	27.784f	1152161	2.107	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	23434358	36.387	ppb	m

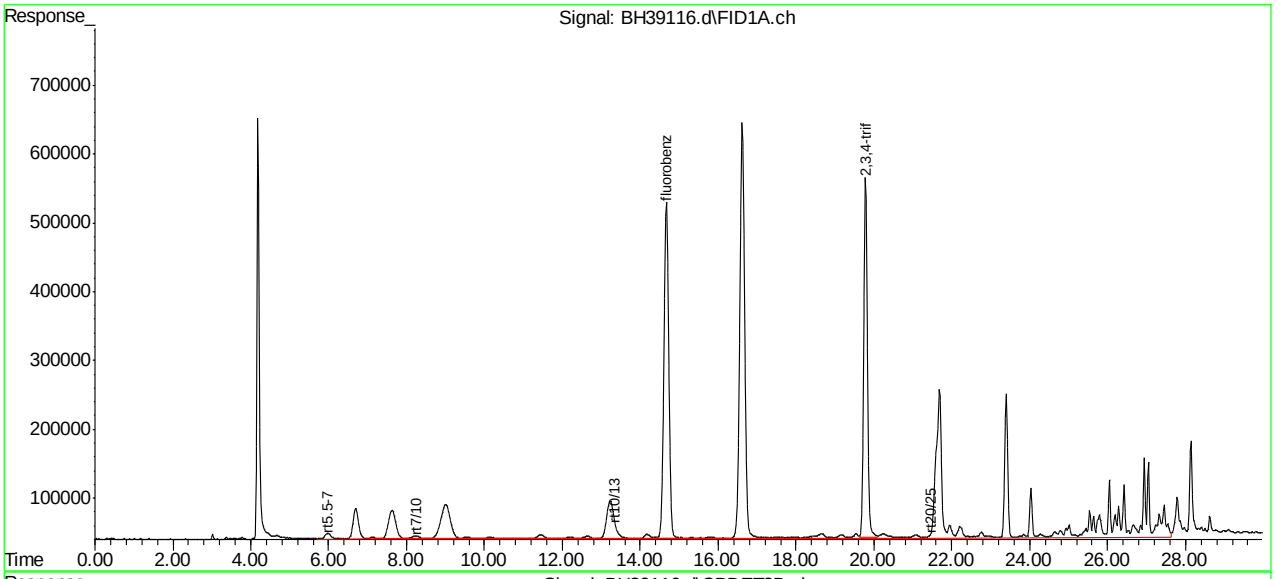
(f)=RT Delta > 1/2 Window (m)=manual int.

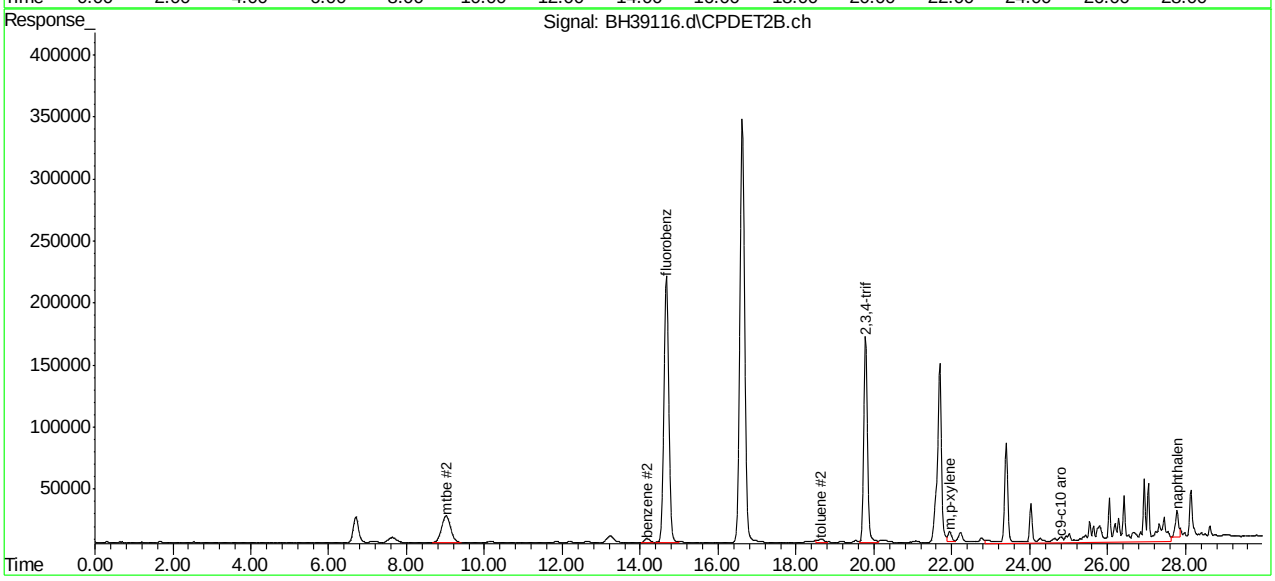
Quantitation Report (QT Reviewed)

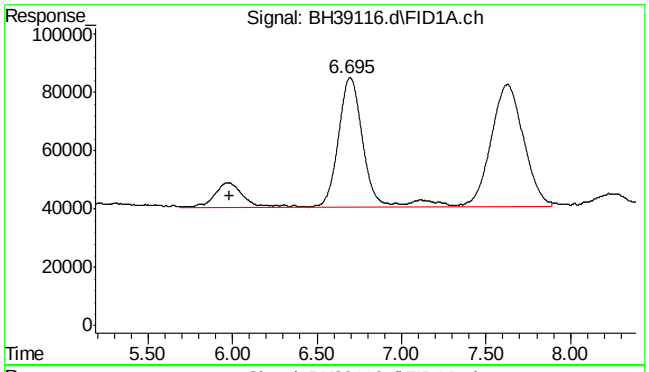
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:24:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

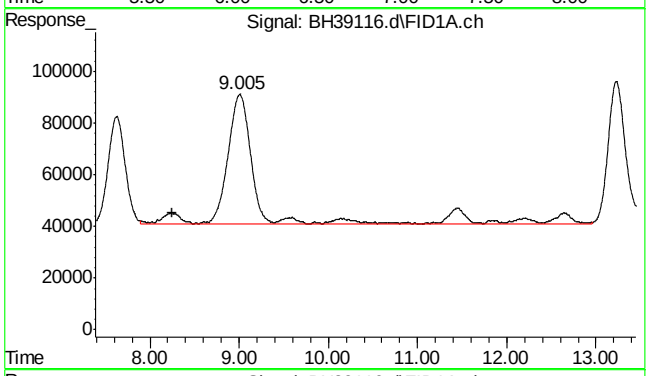






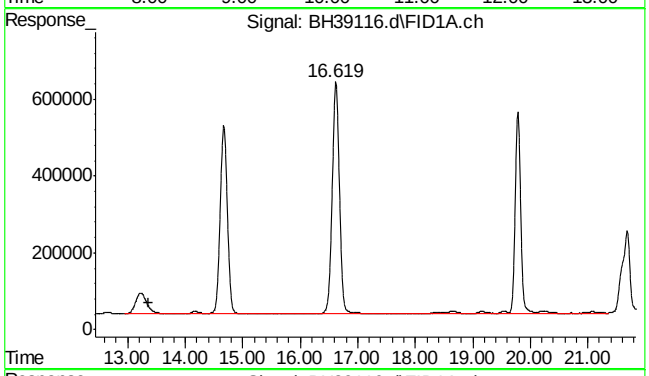
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 11114212
Conc: 10.76 ppb



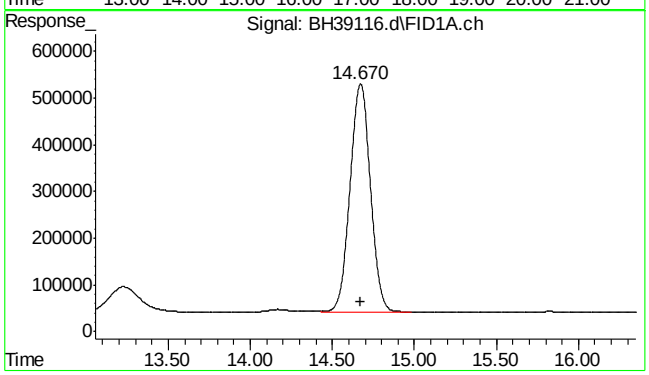
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 12059559
Conc: 11.68 ppb



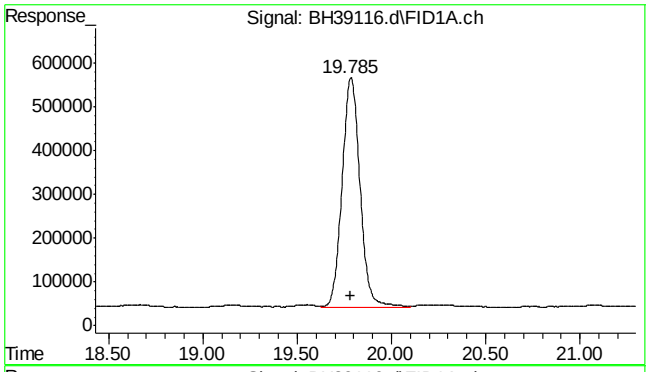
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 68352970
Conc: 66.19 ppb m



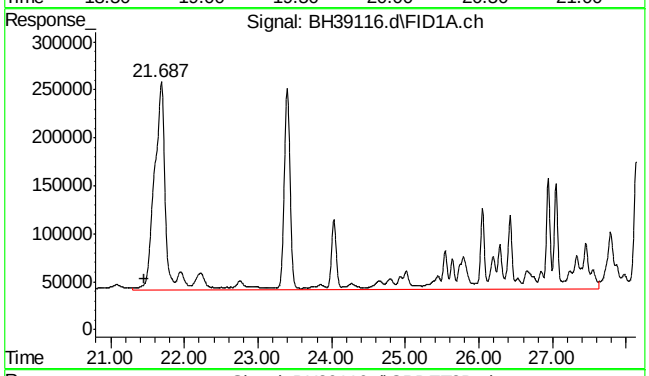
#4 fluorobenzene

R.T.: 14.670 min
Delta R.T.: -0.001 min
Response: 42398580
Conc: 45.15 ppb m



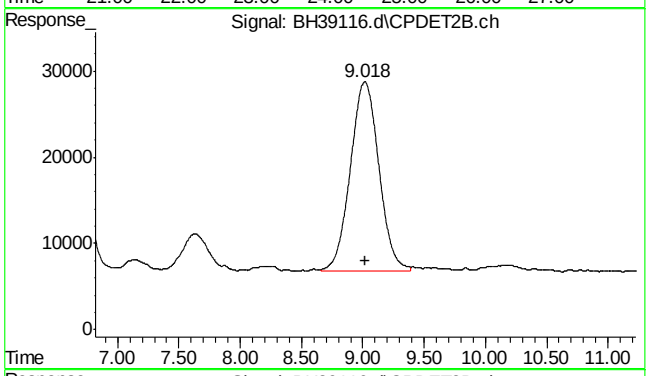
#6 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 34556881
Conc: 42.51 ppb m



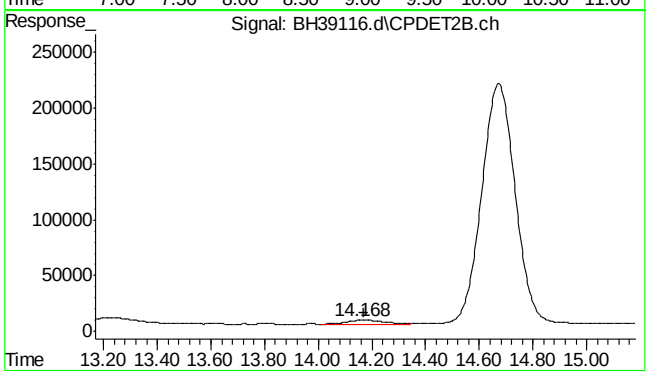
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 76352981
Conc: 63.48 ppb m



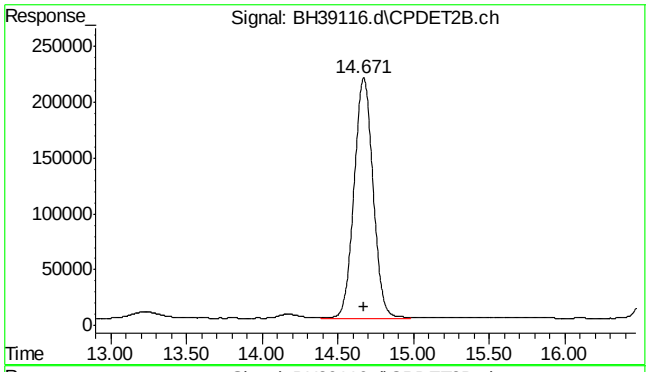
#14 mtbe #2

R.T.: 9.018 min
Delta R.T.: 0.002 min
Response: 3567717
Conc: 12.69 ppb m



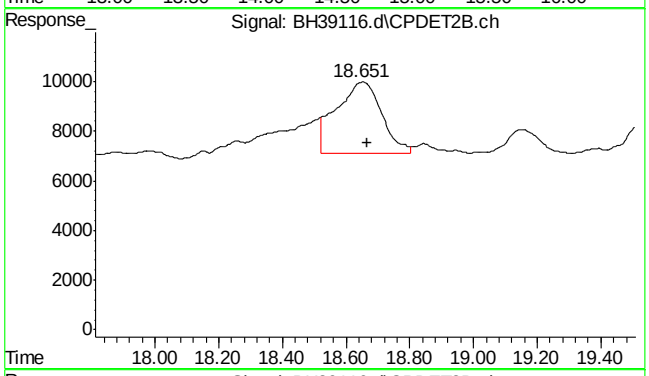
#15 benzene #2

R.T.: 14.168 min
Delta R.T.: -0.002 min
Response: 329017
Conc: 0.50 ppb m



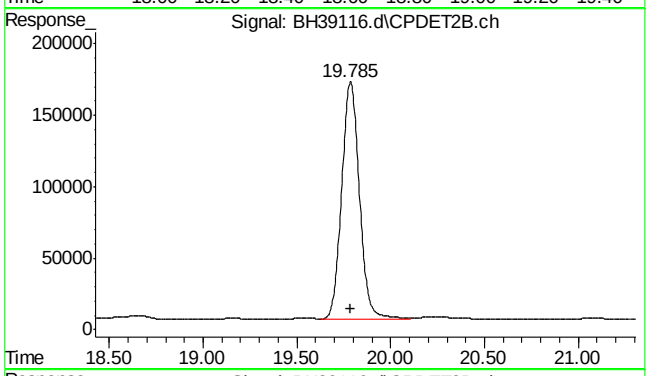
#16 fluorobenzene #2

R.T.: 14.671 min
Delta R.T.: 0.000 min
Response: 18743747
Conc: 46.12 ppb m



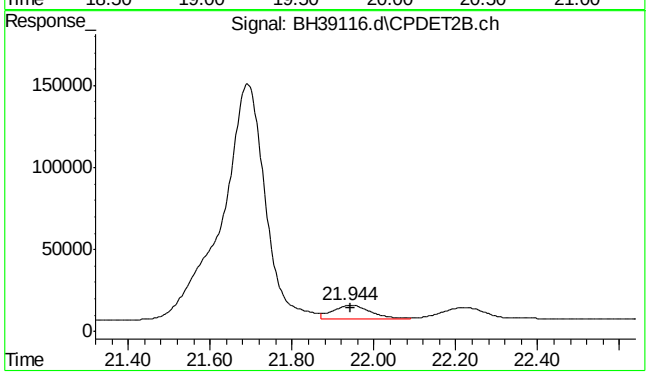
#17 toluene #2

R.T.: 18.651 min
Delta R.T.: -0.015 min
Response: 288579
Conc: 0.47 ppb m



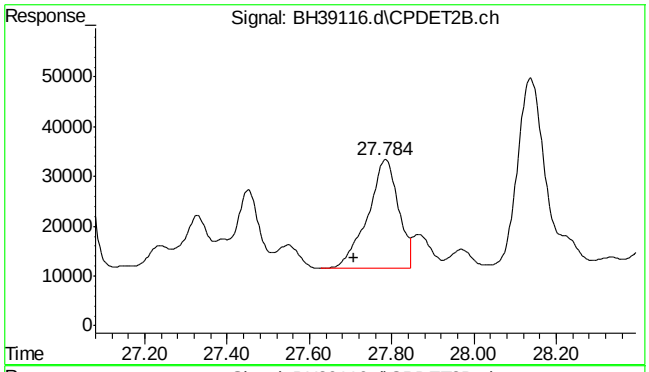
#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 11036933
Conc: 43.46 ppb m



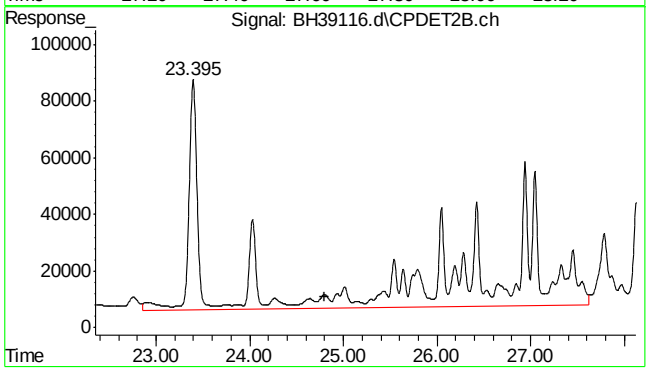
#20 m,p-xylene #2

R.T.: 21.944 min
Delta R.T.: 0.000 min
Response: 563805
Conc: 0.85 ppb m



#24 naphthalene #2

R.T.: 27.784 min
Delta R.T.: 0.076 min
Response: 1152161
Conc: 2.11 ppb m



#25 c9-c10 arom as 1,2,4-tmb

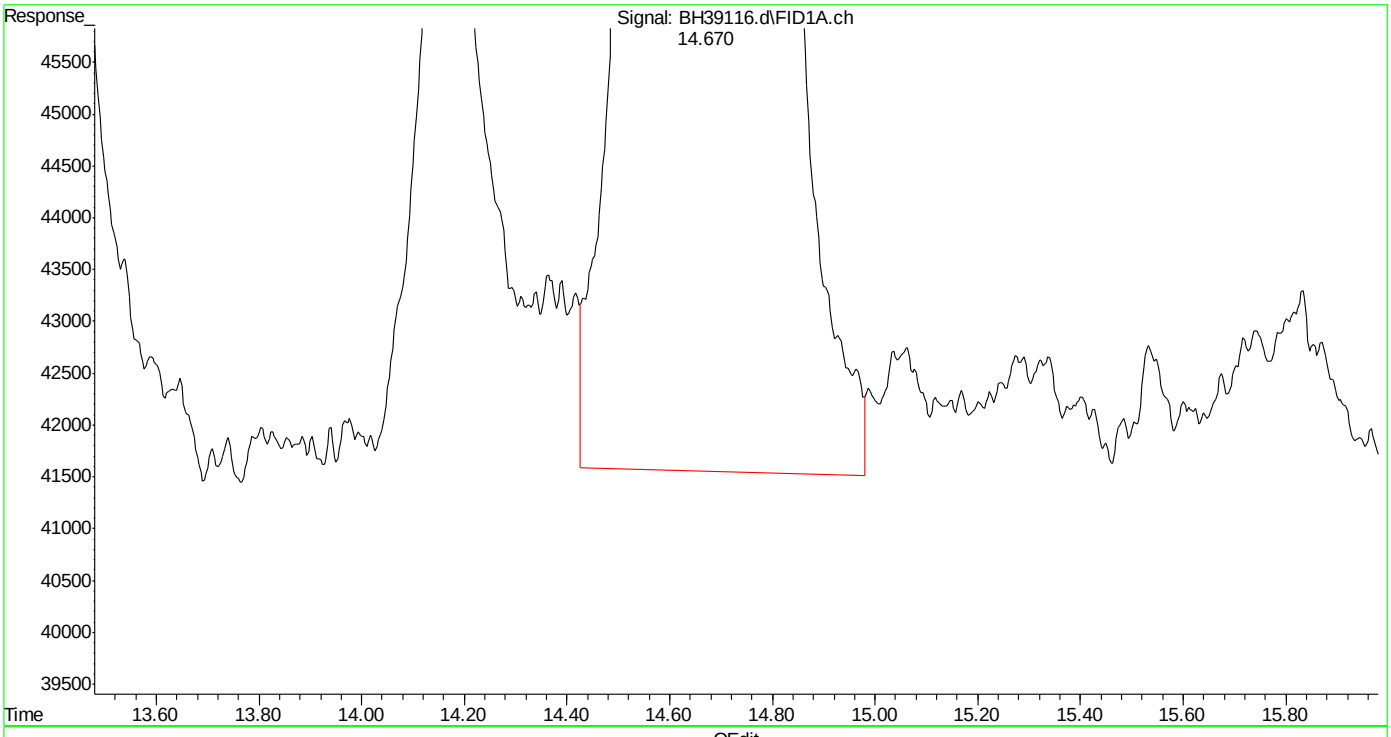
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 23434358
Conc: 36.39 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.672min 45.188 ppb
response 42430157

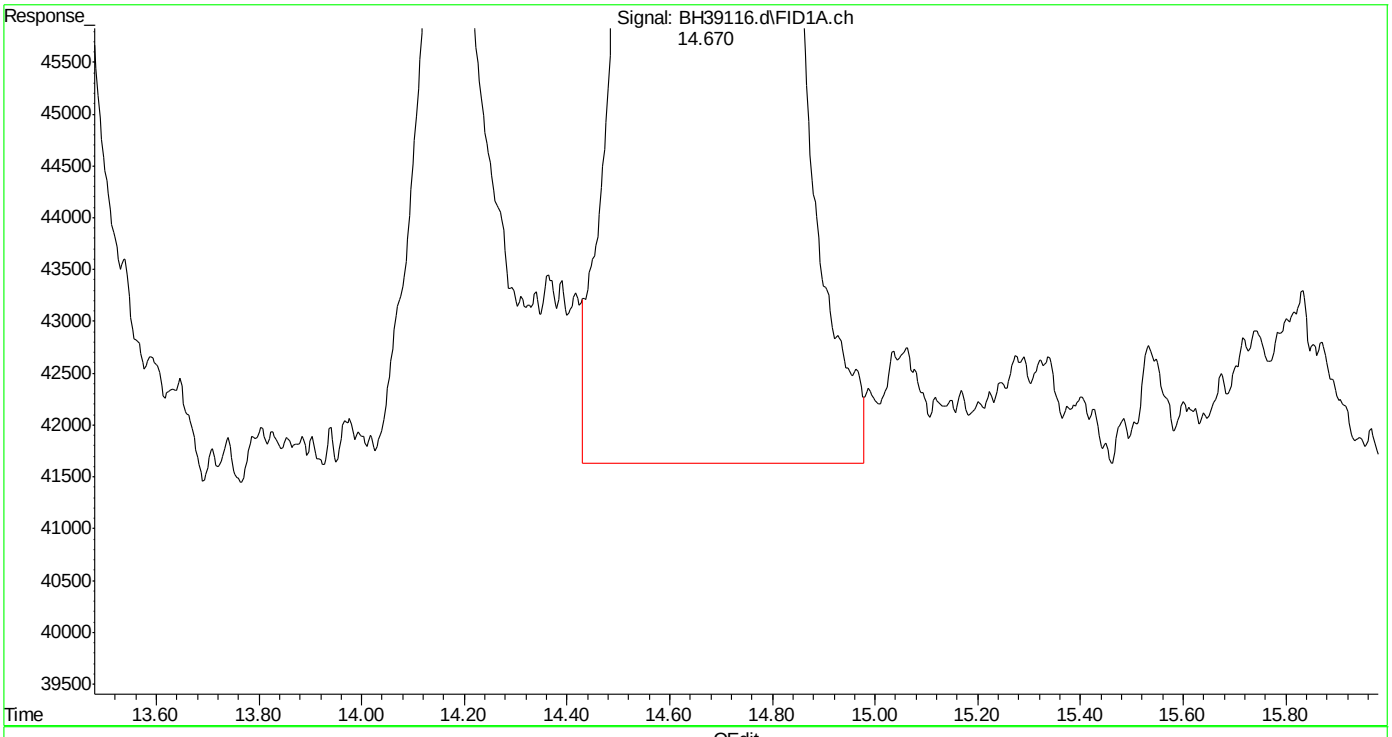
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:21:21 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 45.154 ppb m
response 42398580

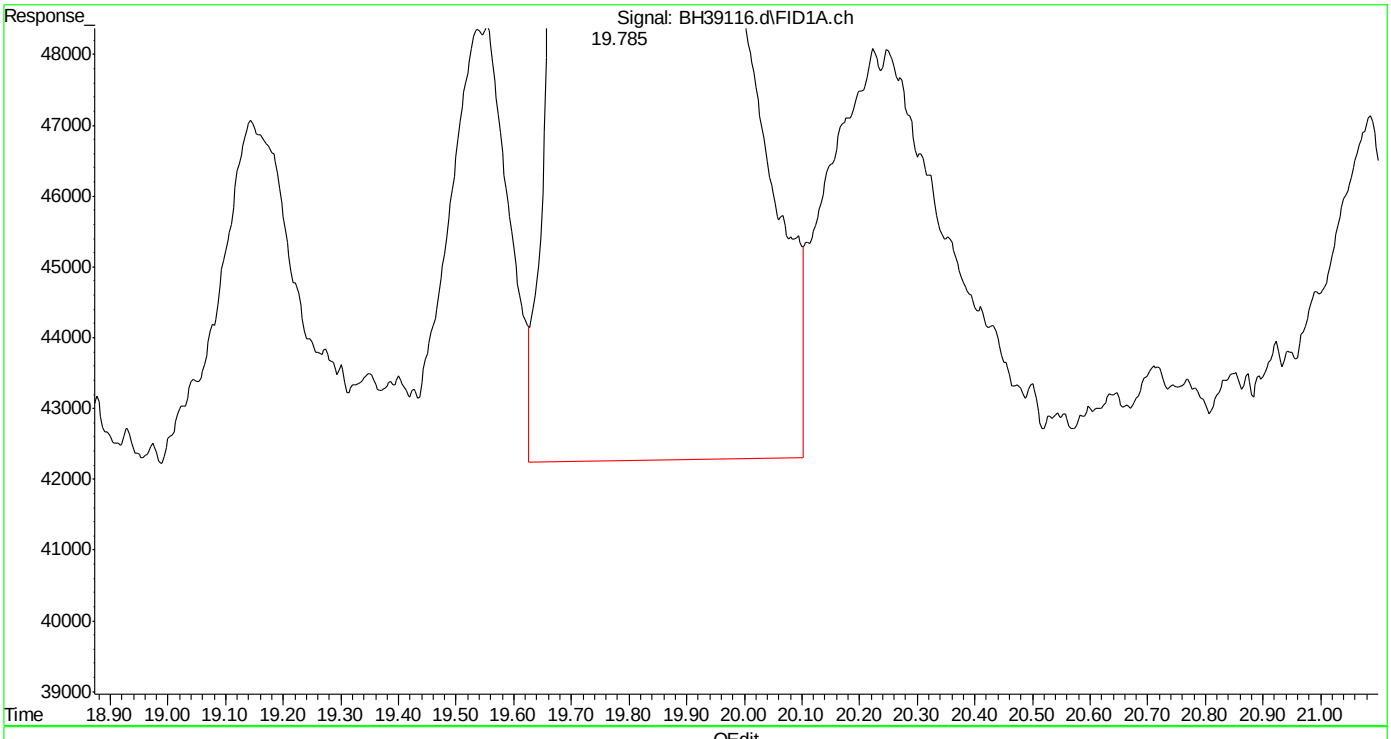
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:21:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.786min 42.662 ppb
response 34679197

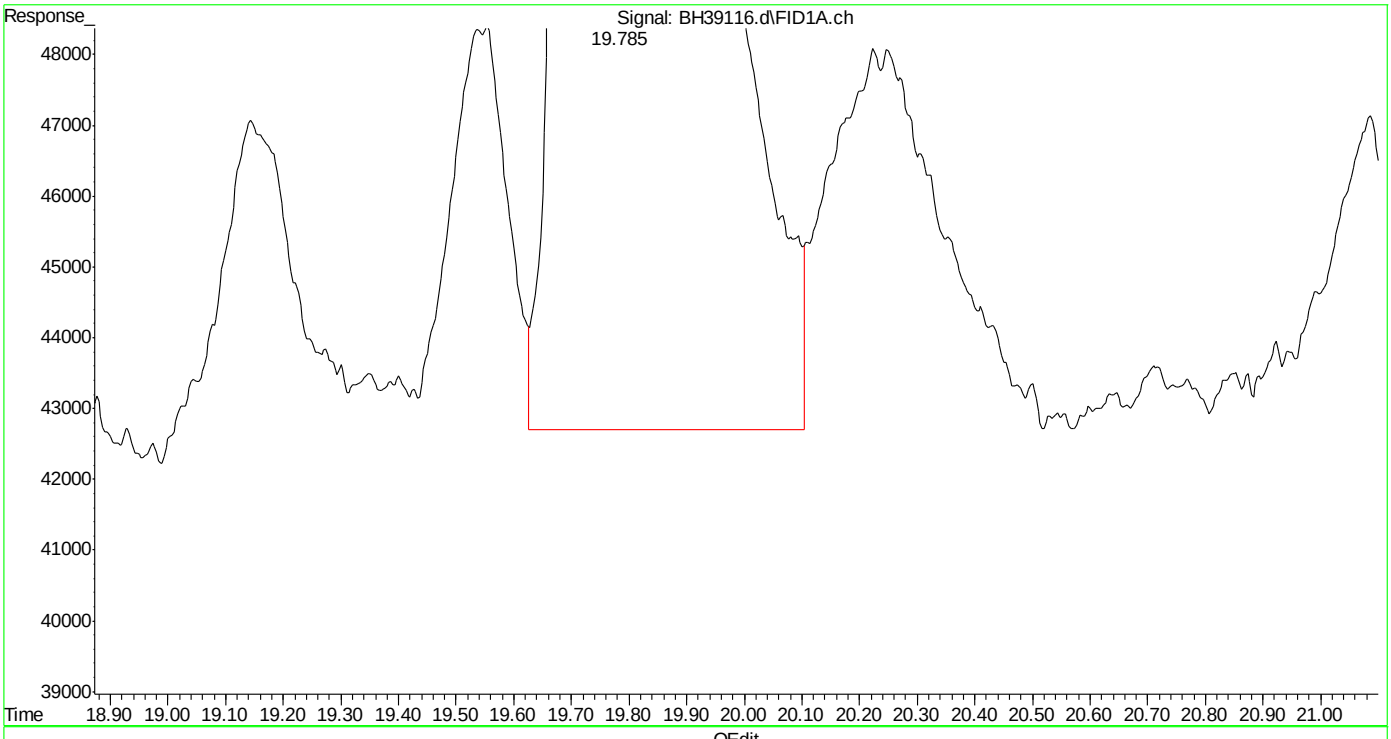
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 42.512 ppb m
response 34556881

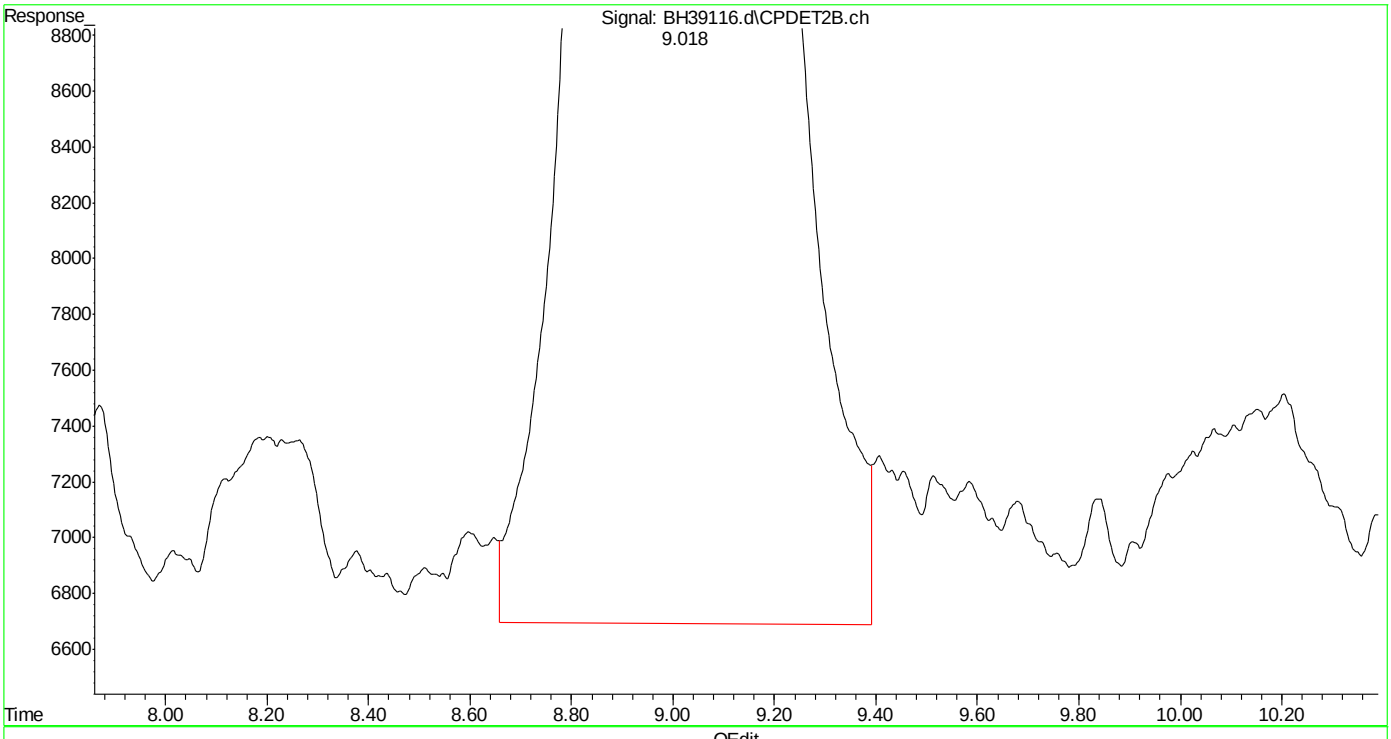
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:21:41 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.019min 12.845 ppb
response 3612118

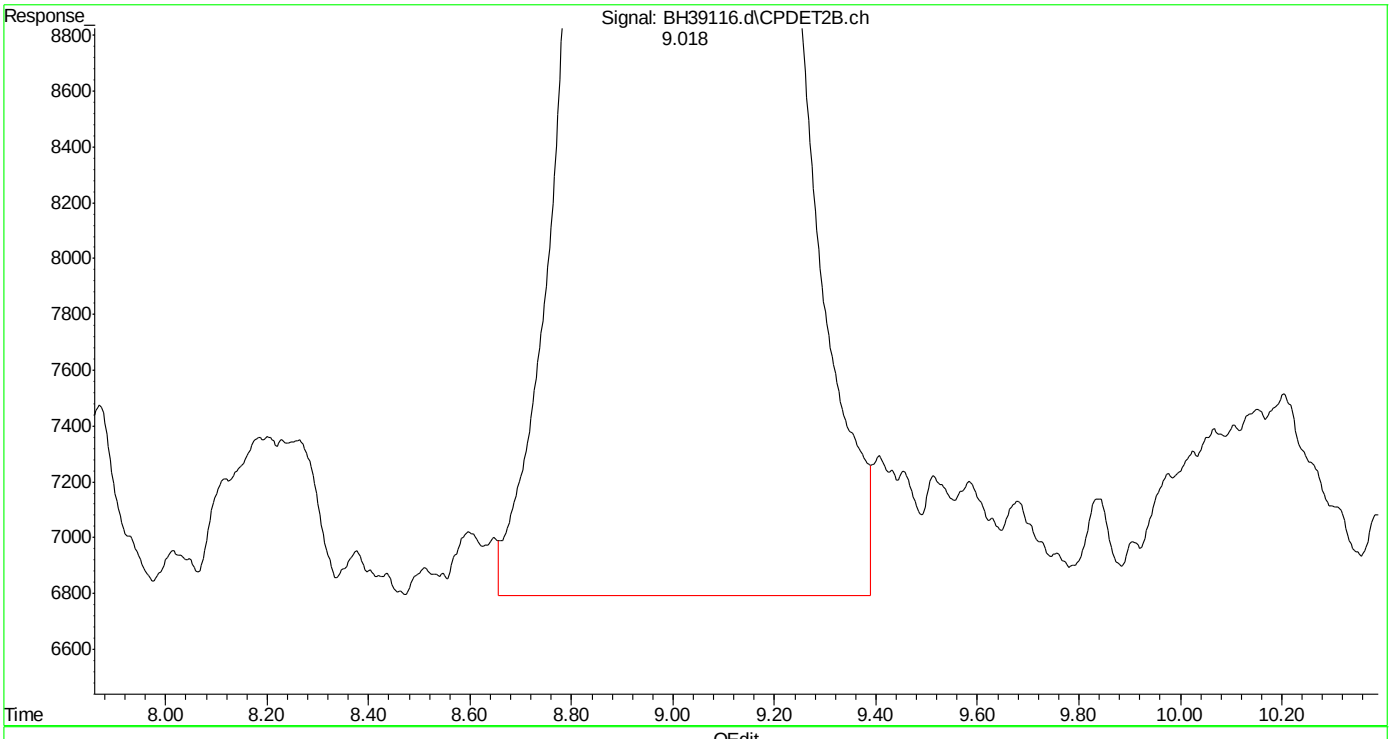
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:09 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.018min 12.687 ppb m
response 3567717

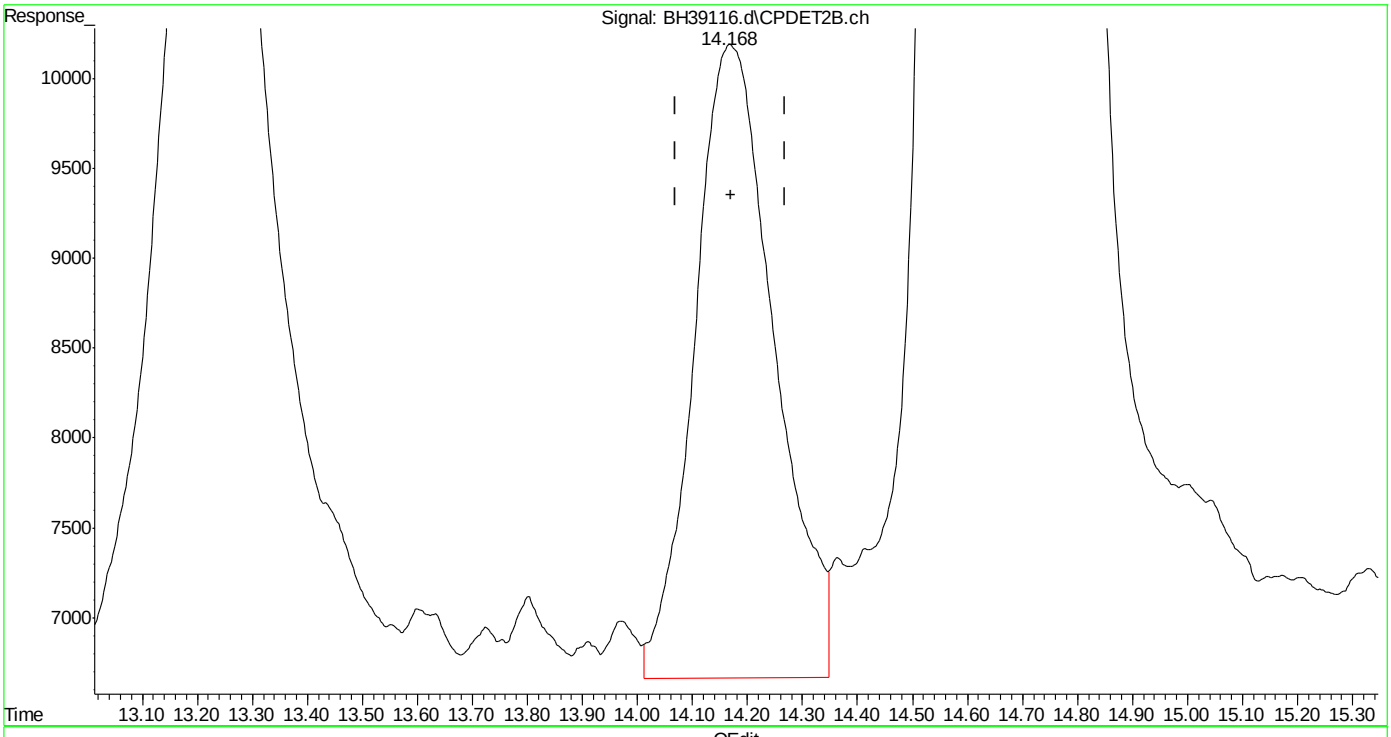
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:17 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.170min 0.541 ppb
response 355608

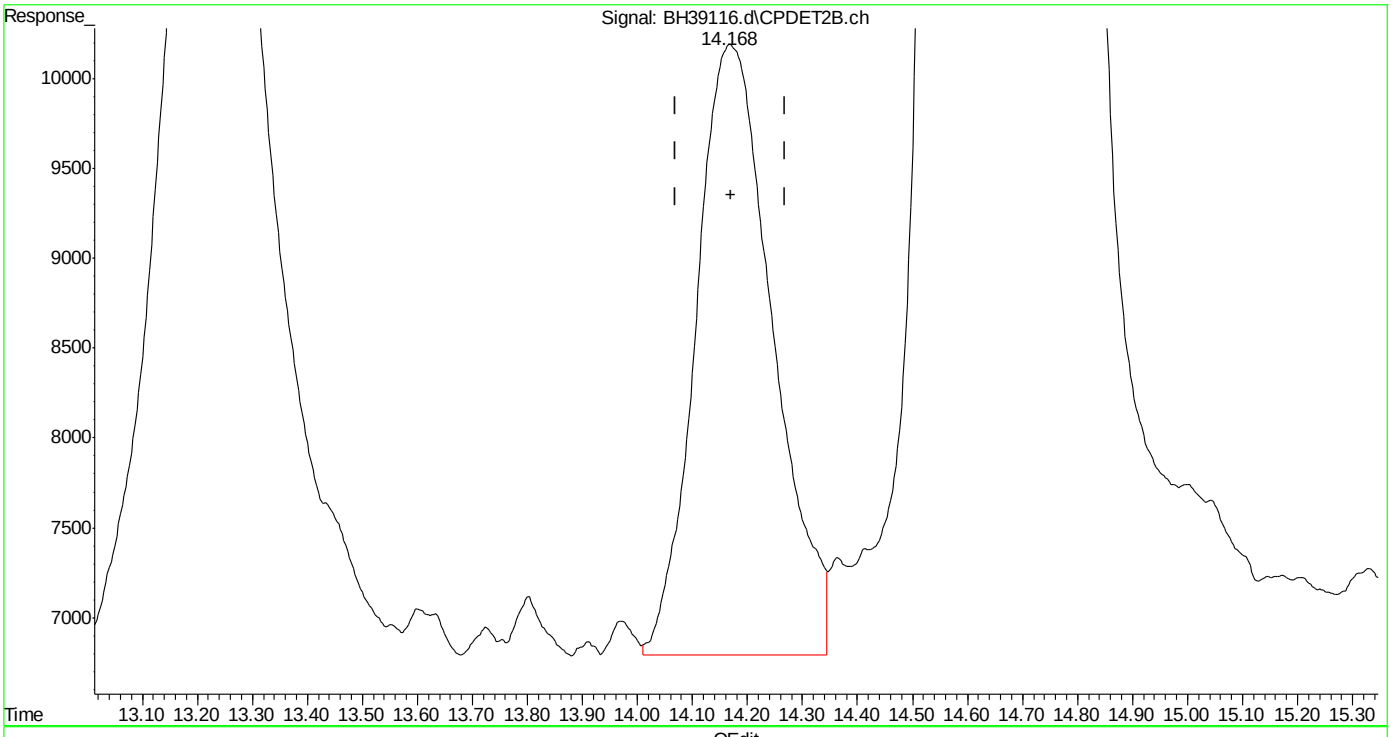
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:20 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.168min 0.500 ppb m
response 329017

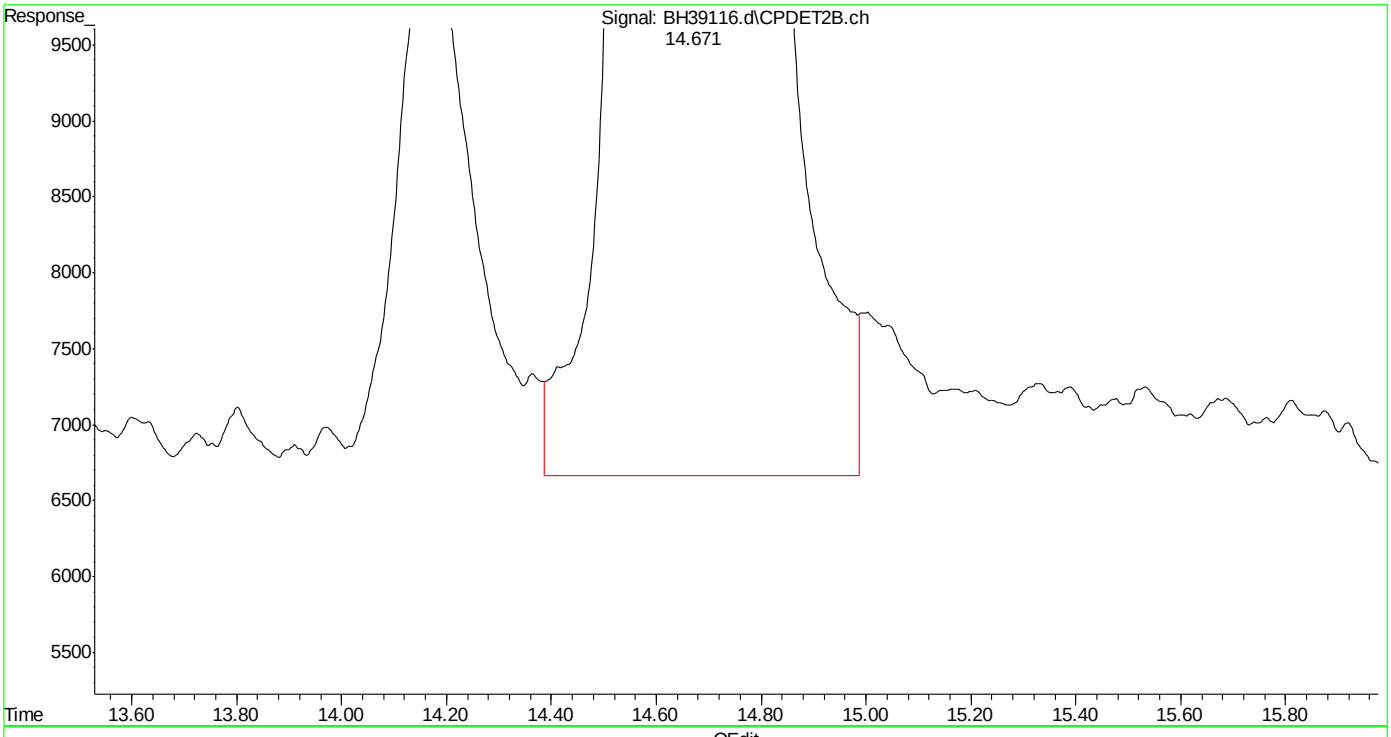
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:26 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.672min 46.223 ppb
response 18785761

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:30 2016

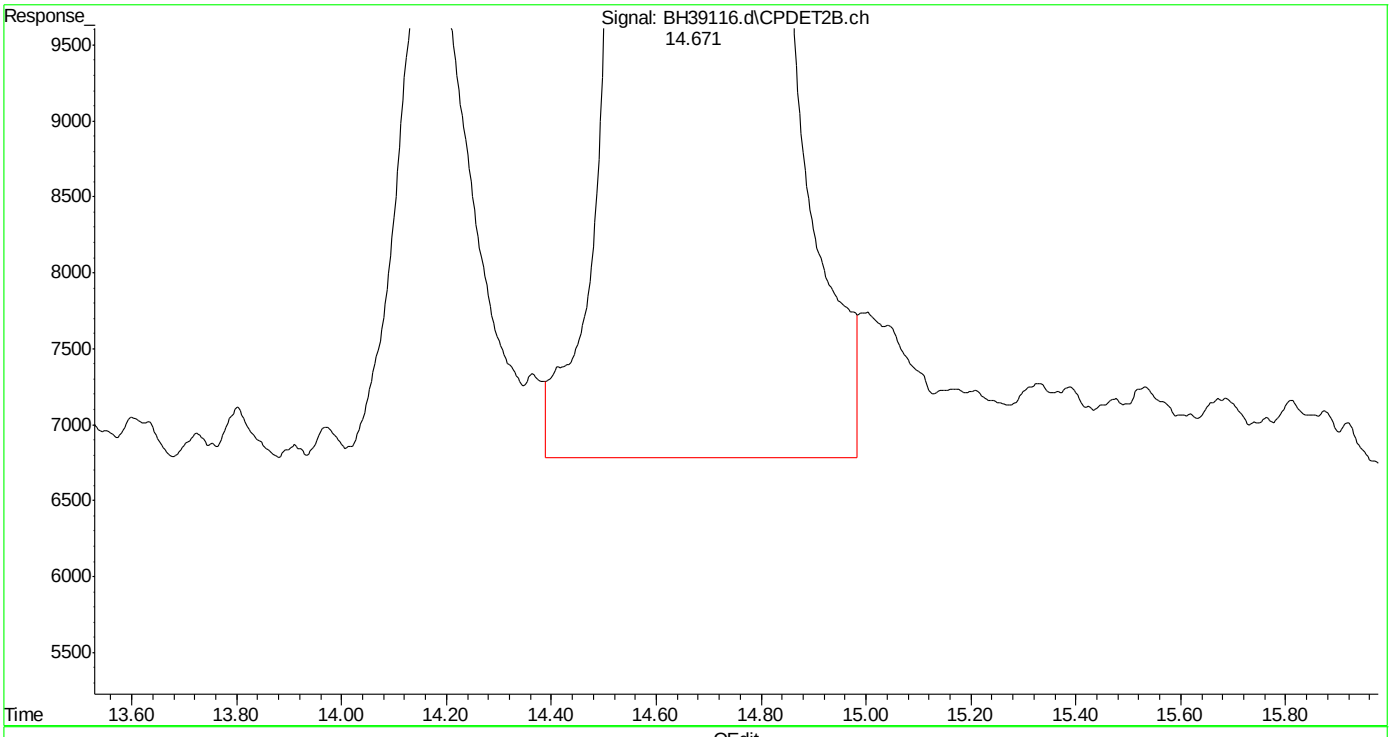
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 46.120 ppb m
response 18743747

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:38 2016

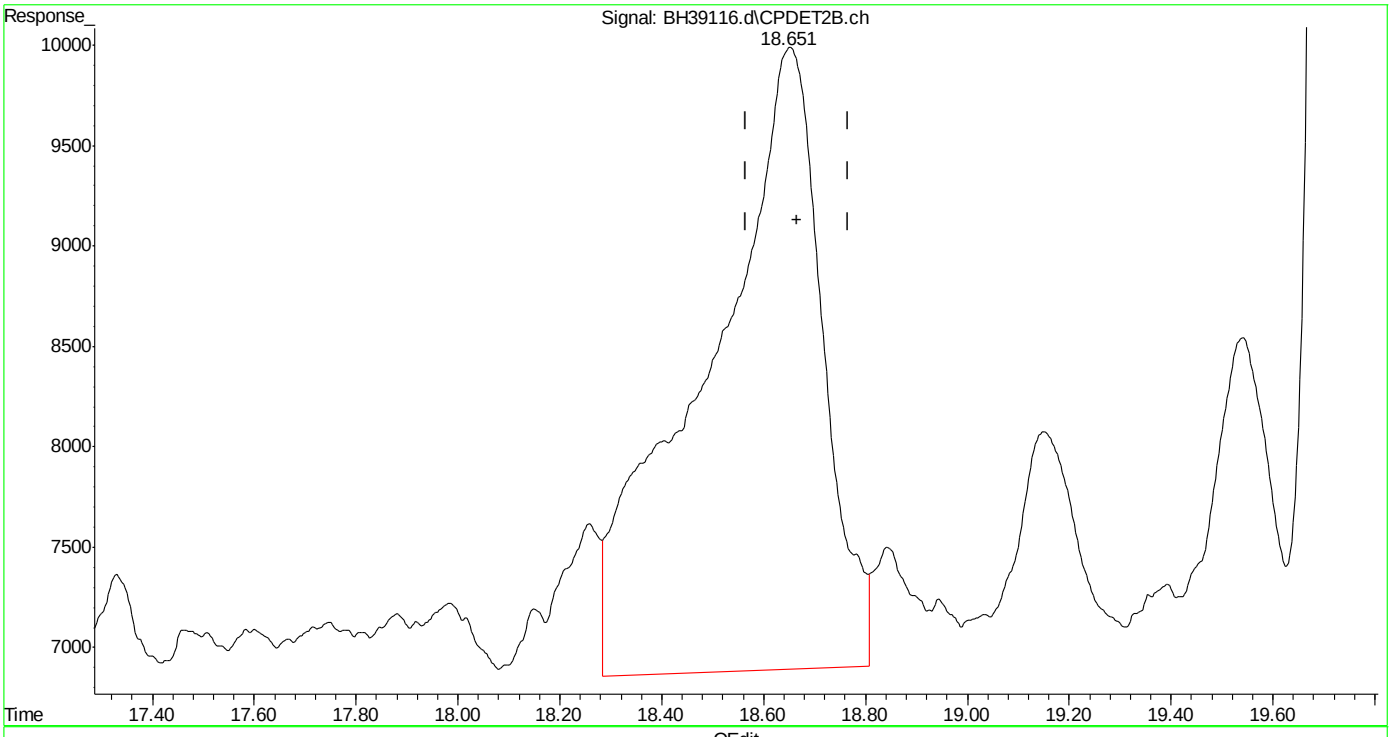
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.653min 0.793 ppb
response 488750

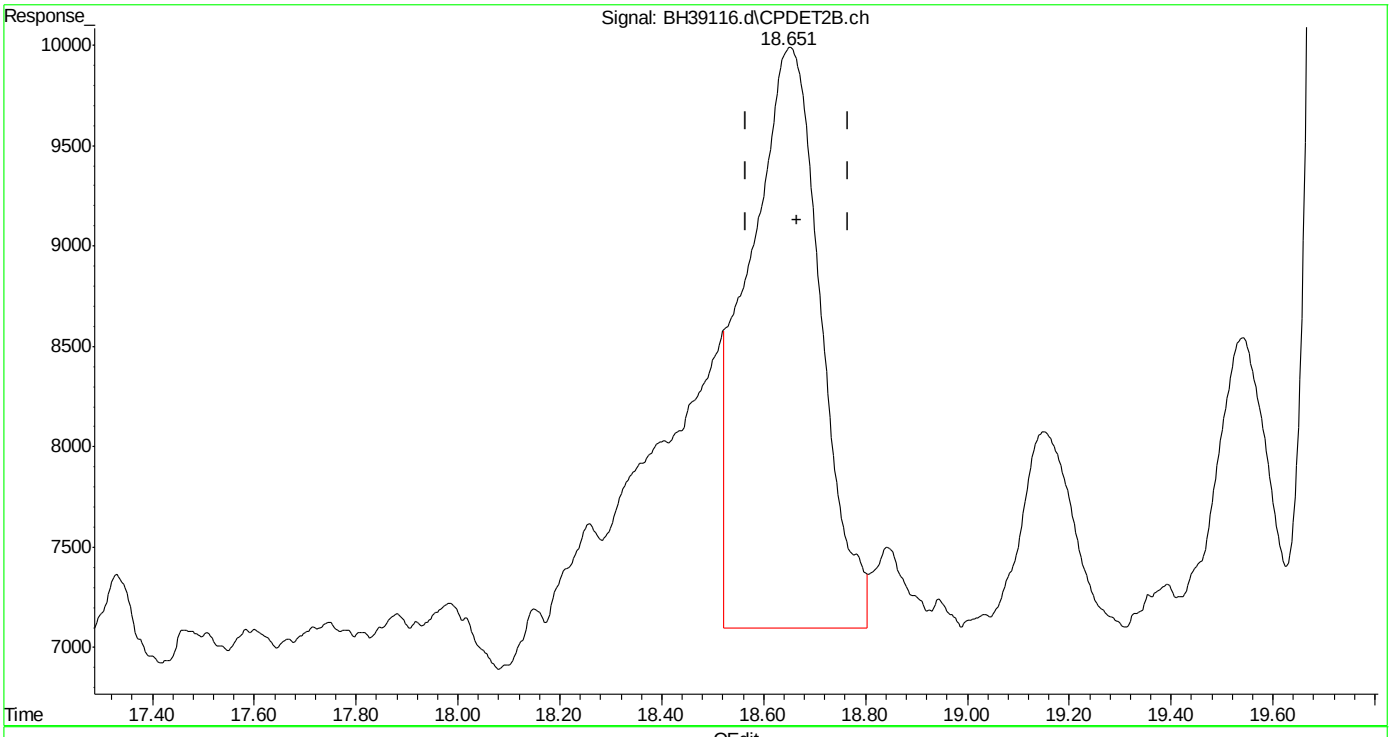
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:41 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.651min 0.468 ppb m
response 288579

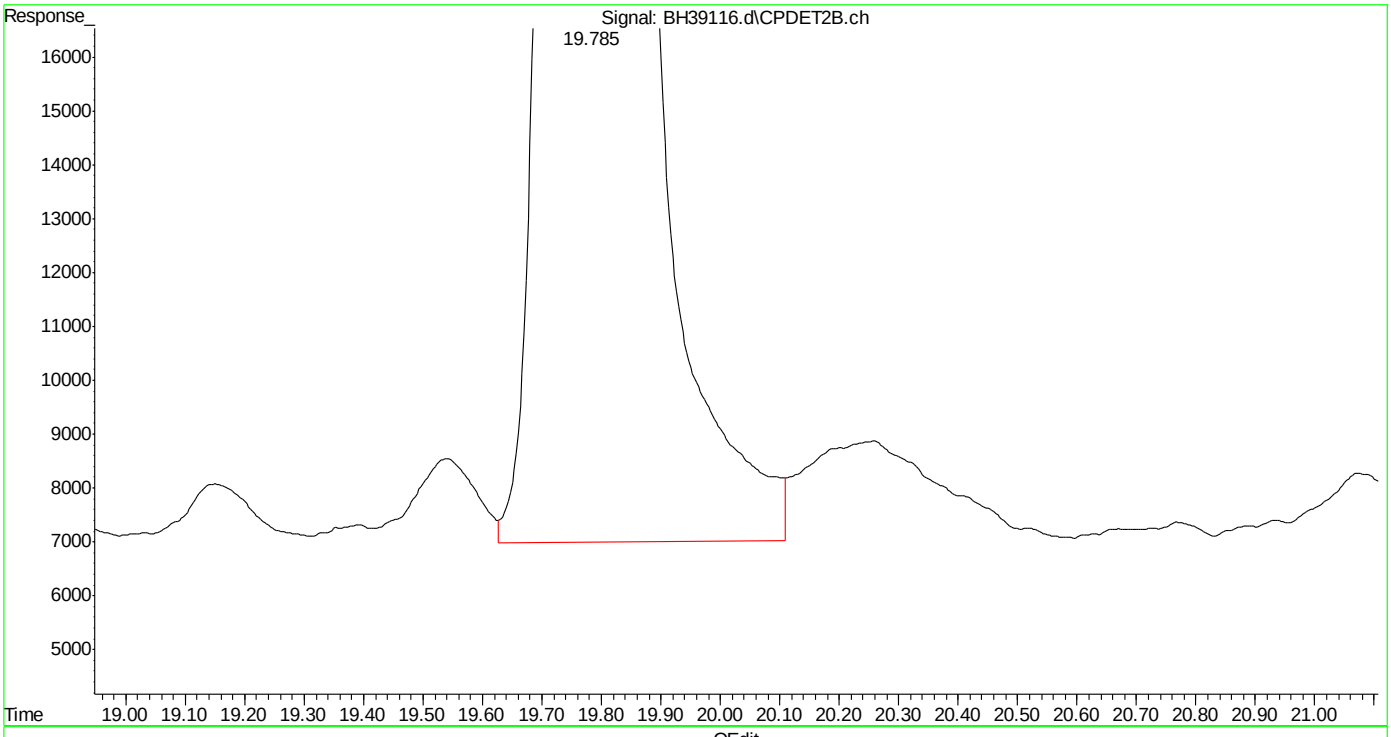
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:52 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 43.583 ppb
response 11069076

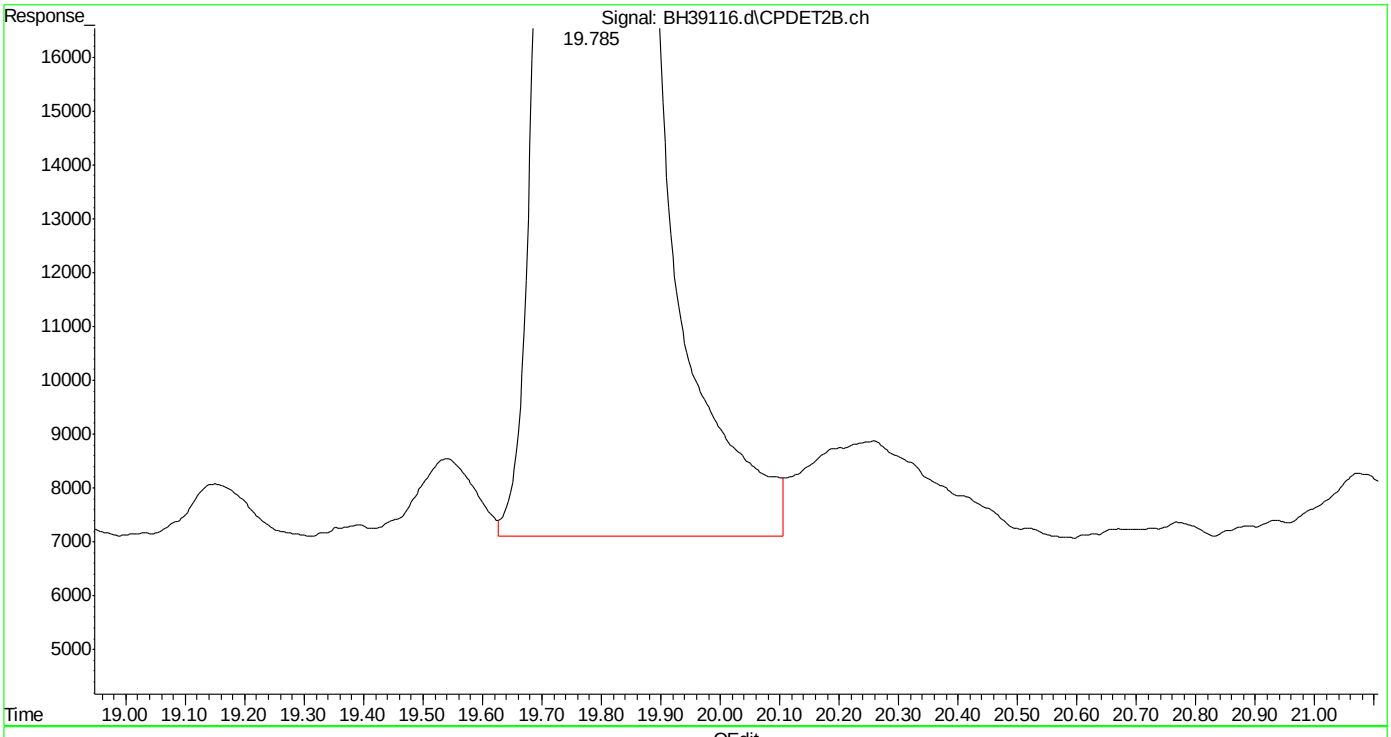
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:22:58 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 43.456 ppb m
response 11036933

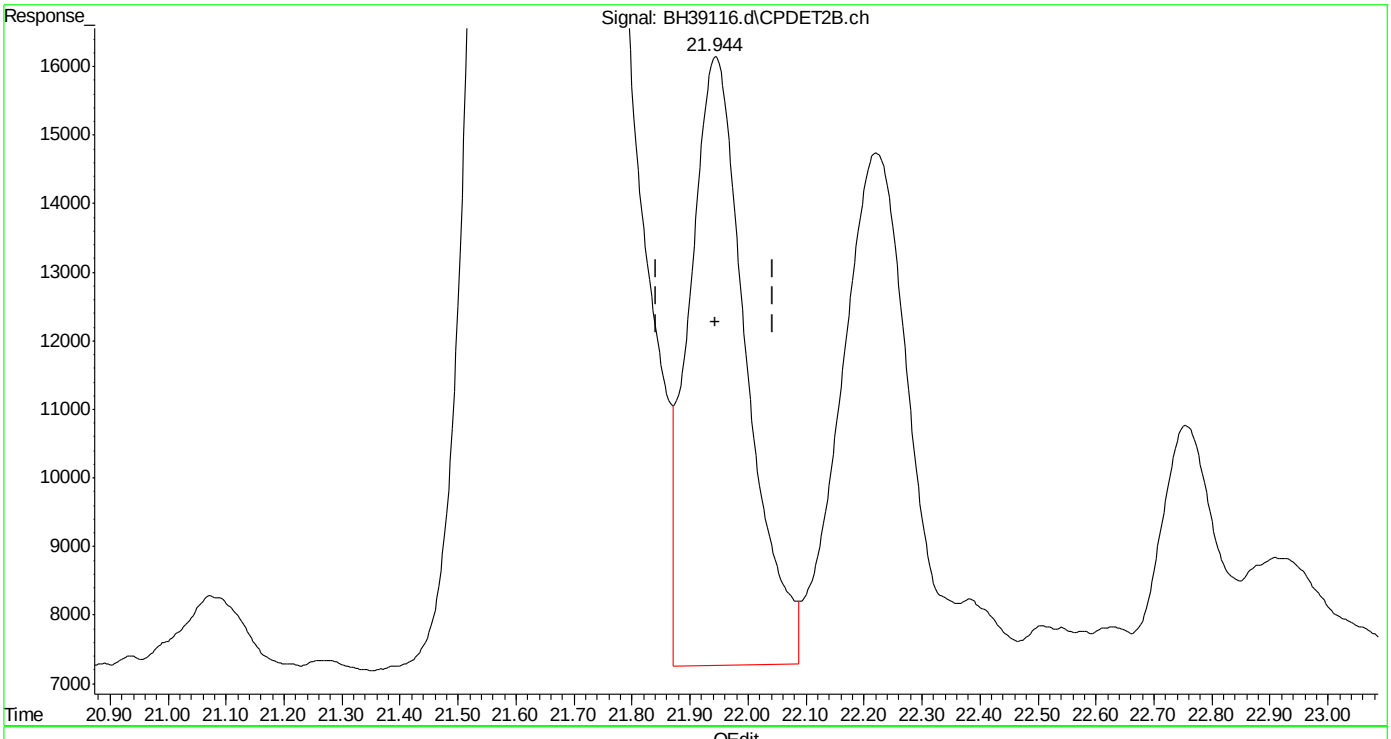
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:23:09 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.945min 0.913 ppb
response 609273

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:23:14 2016

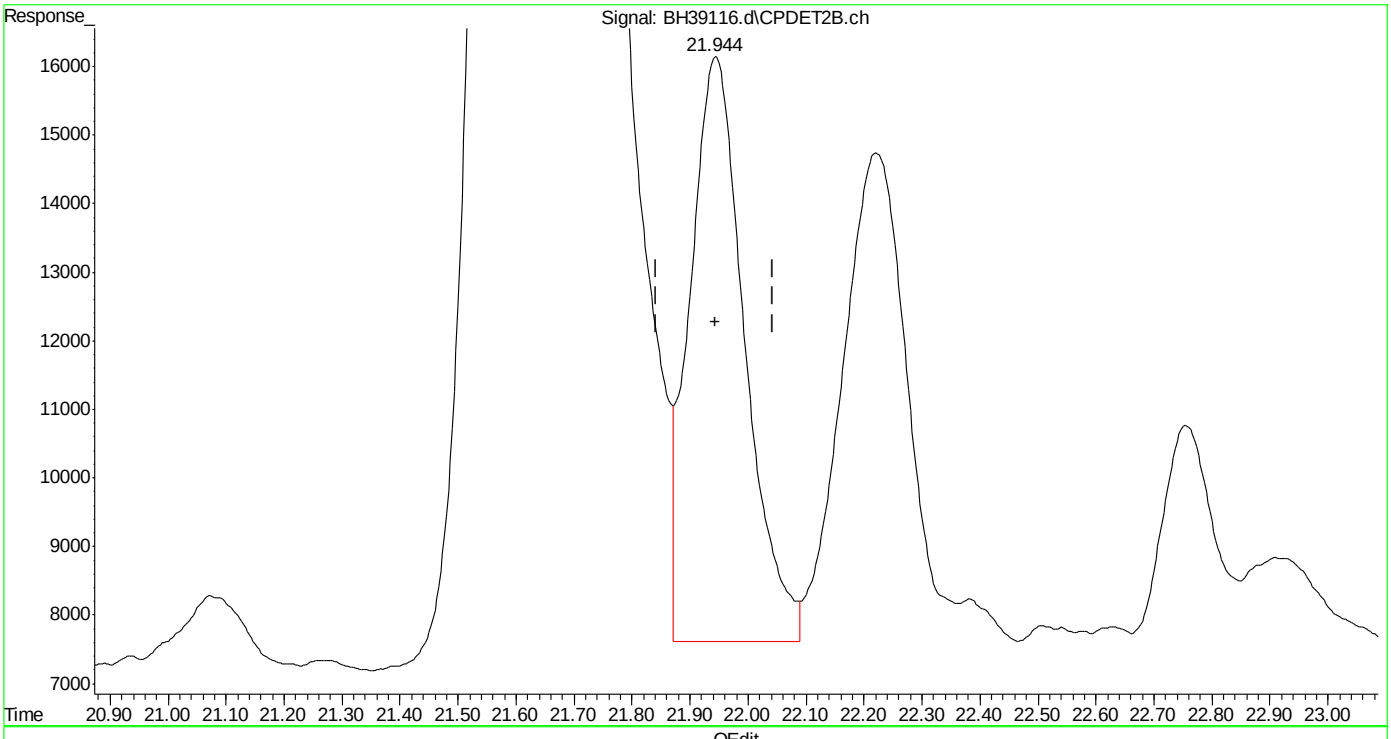
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.944min 0.845 ppb m
response 563805

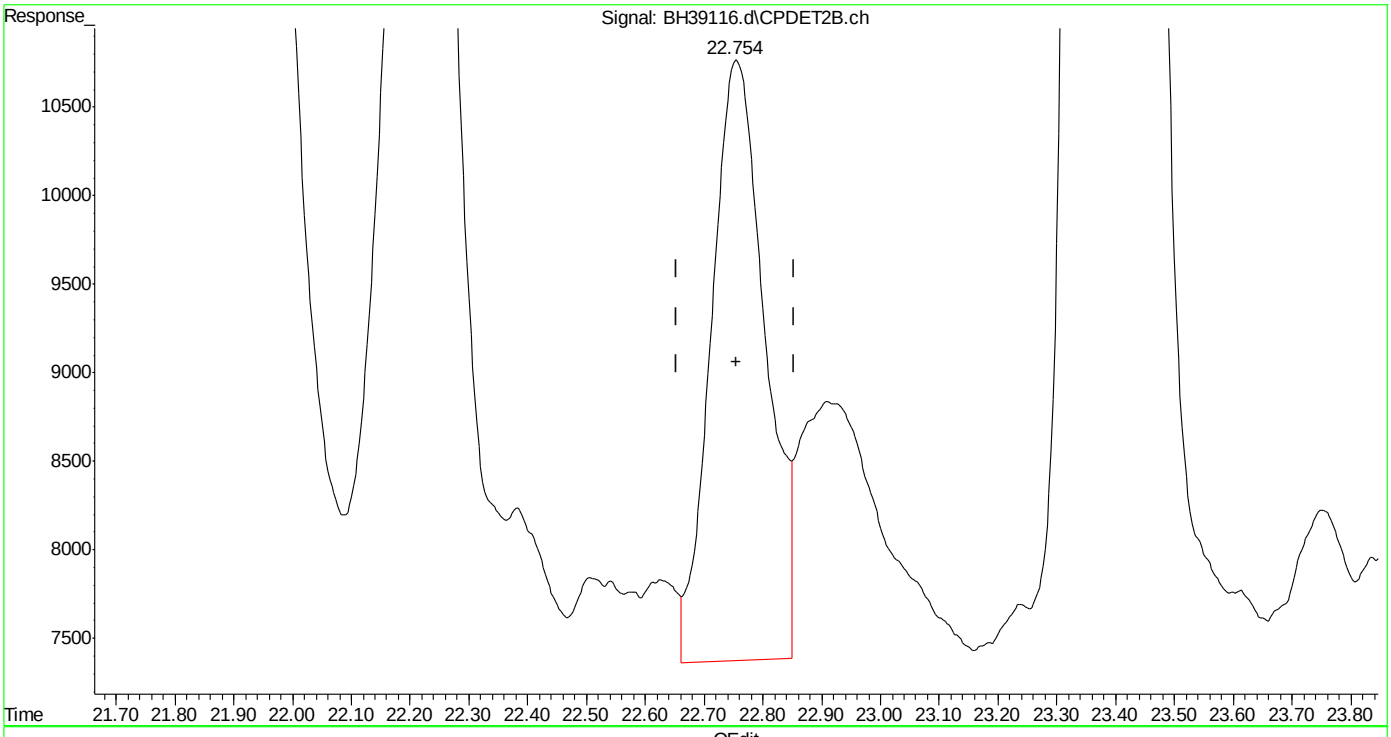
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:23:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.756min 0.371 ppb
response 216191

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:23:37 2016

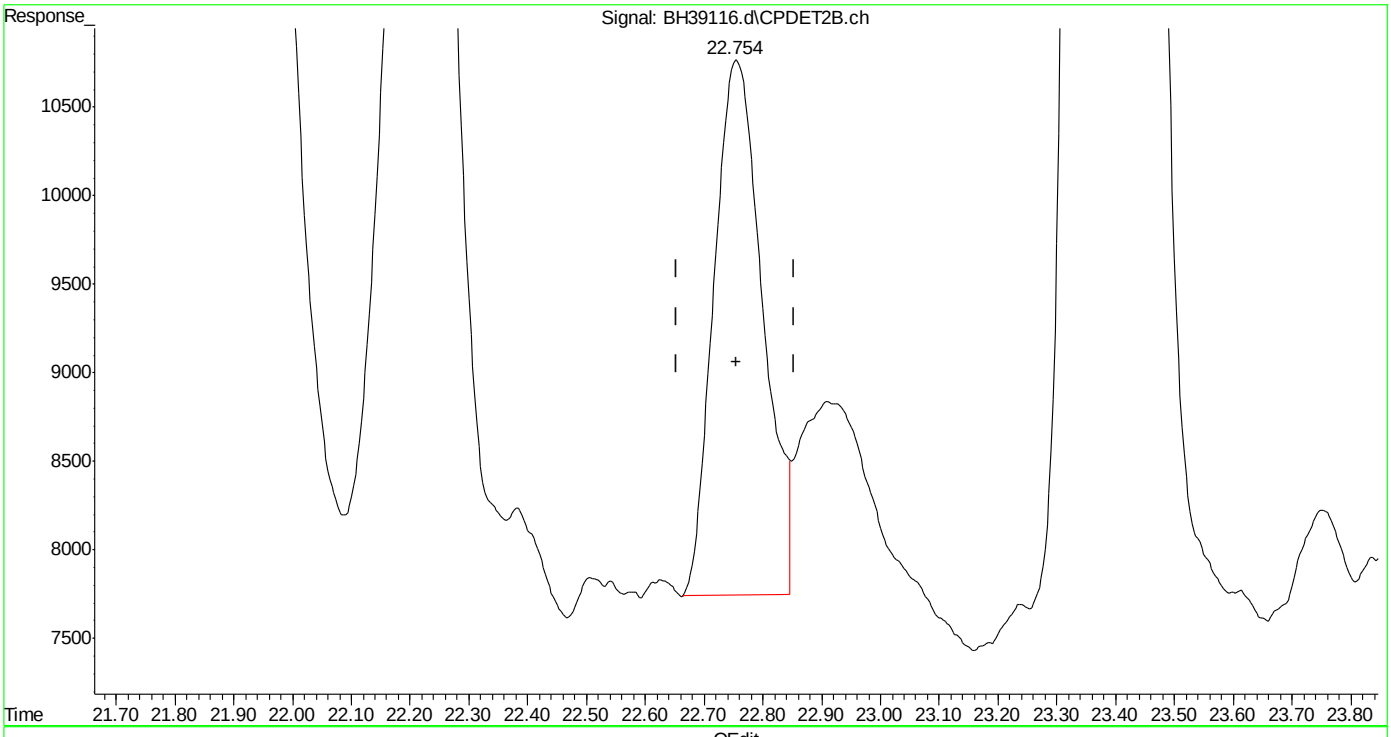
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 0.297 ppb m
response 173075

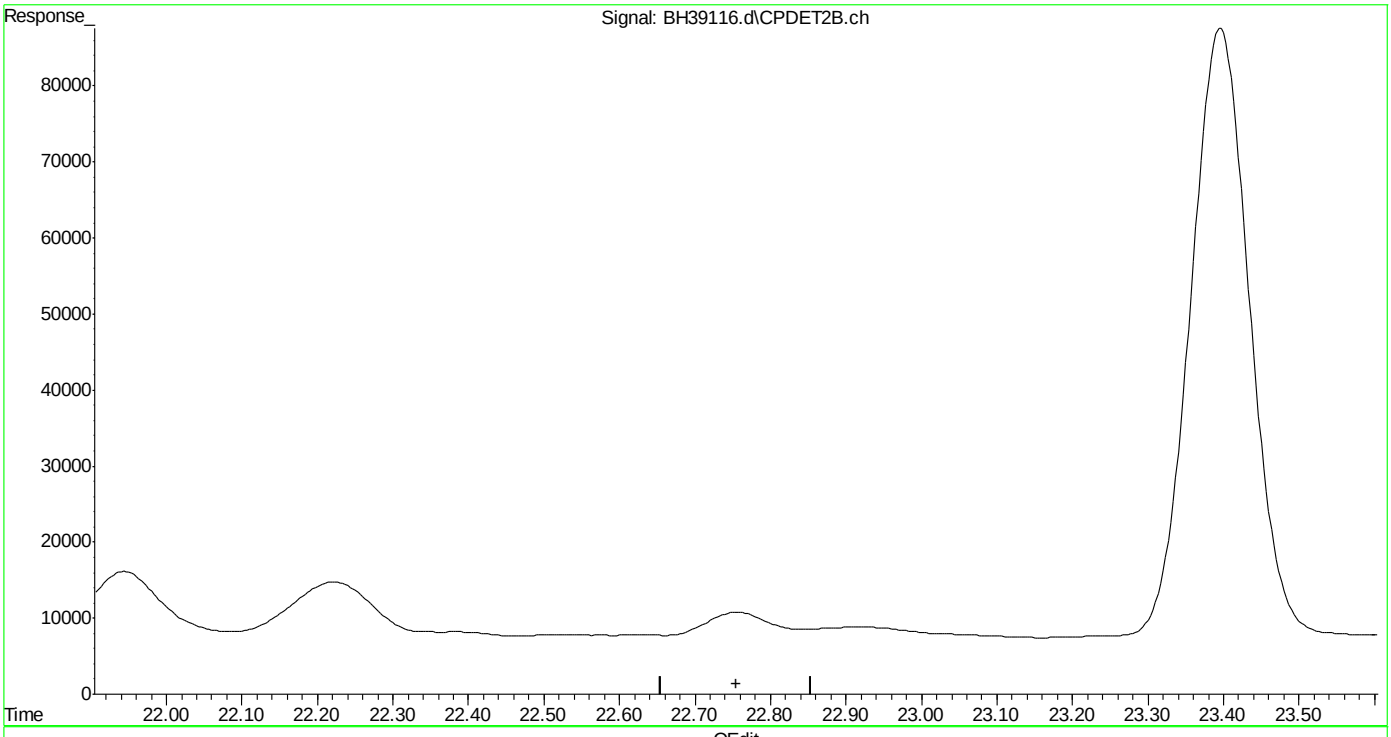
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:23:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
0.000min 0.000 ppb d
response 0

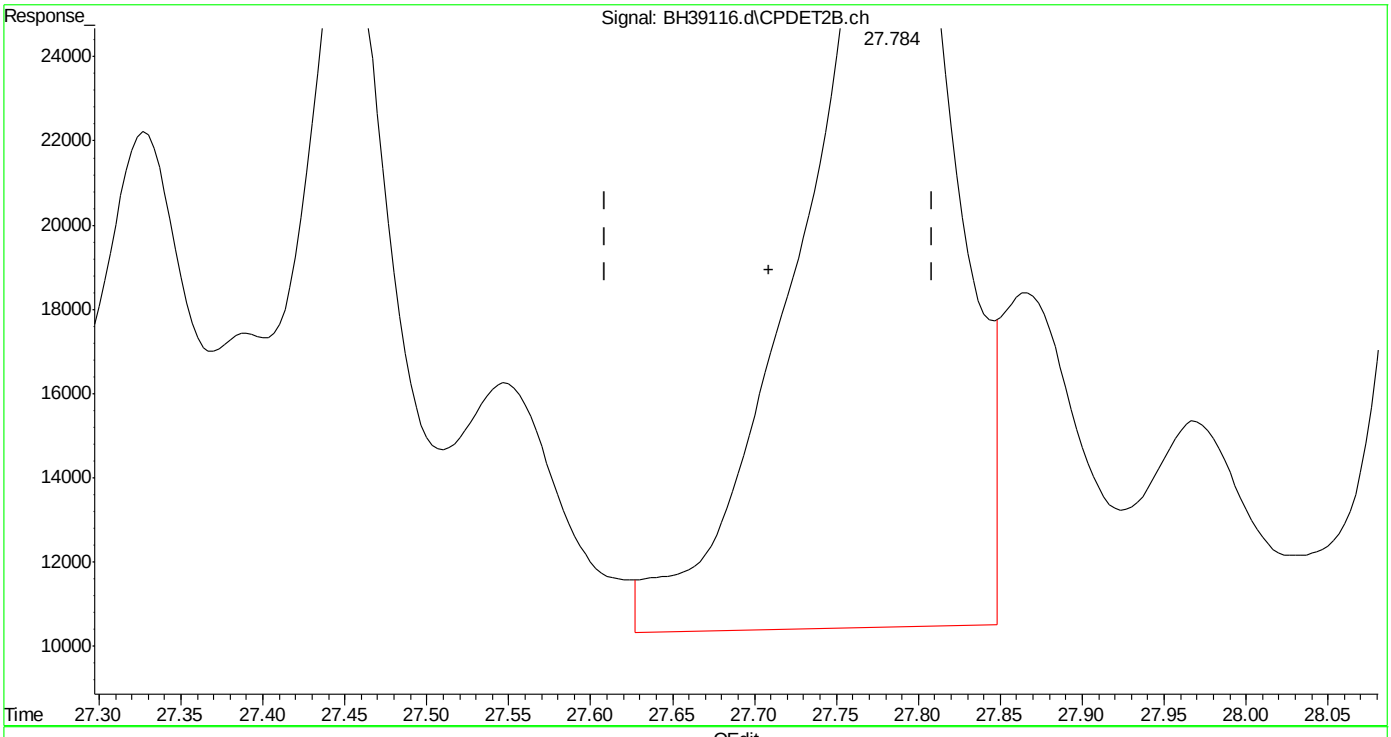
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:23:47 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.785min 2.360 ppb
response 1290104

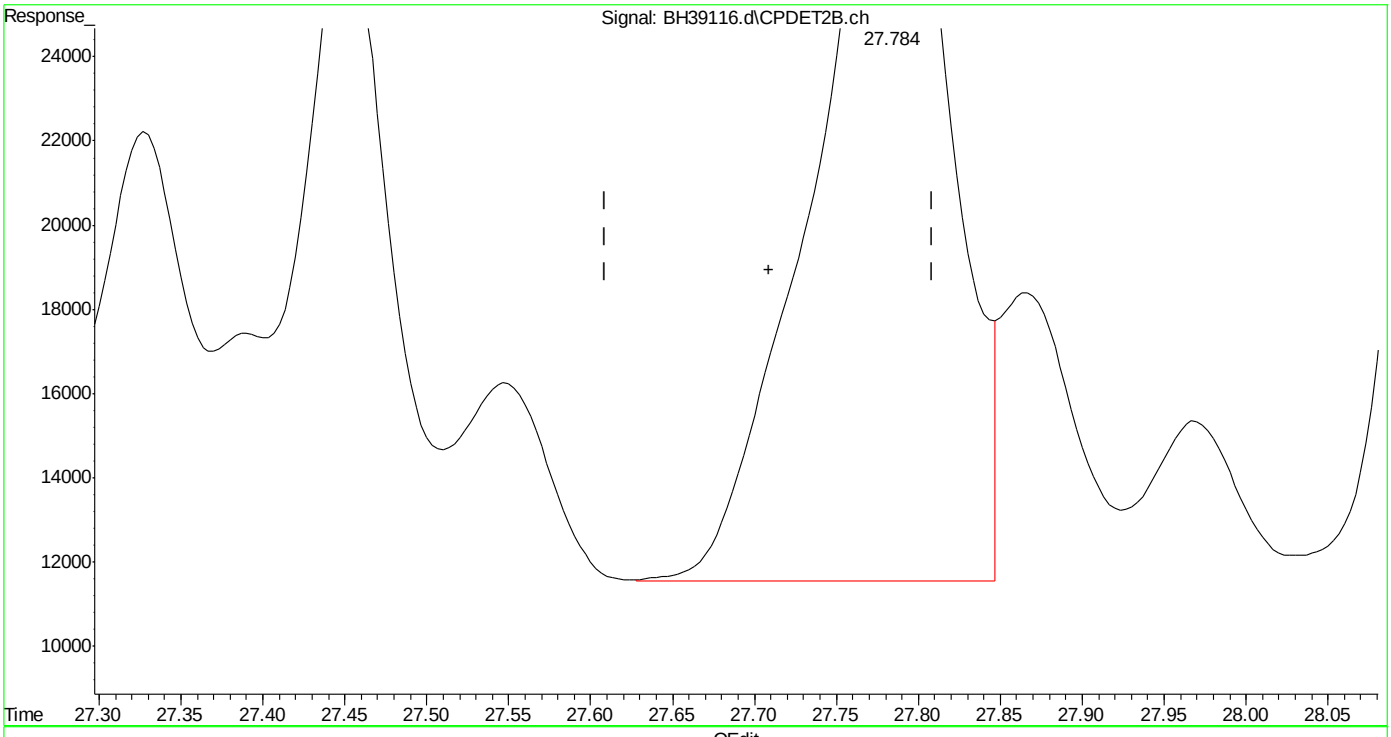
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:47 pm
Operator : danielf
Sample : mc45754-1,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.784min 2.107 ppb m
response 1152161

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:24:03 2016

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/09/16 11:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:26:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.670	42327302	45.078	ppb	m
Spiked Amount 50.000		Recovery = 90.16%			
6) s 2,3,4-trifluorotoluene	19.784	33847567	41.639	ppb	m
Spiked Amount 50.000		Recovery = 83.28%			
16) s fluorobenzene #2	14.670	18812531	46.289	ppb	m
Spiked Amount 50.000		Recovery = 92.58%			
18) s 2,3,4-trifluorotoluen...	19.786	10877156	42.827	ppb	
Spiked Amount 50.000		Recovery = 85.65%			
Target Compounds					
1) h rt5.5-7	5.980	2896782	2.805	ppb	
2) h rt7/10	8.250	5308289	5.140	ppb	
3) h rt10/13	13.360	82412550	79.799	ppb	
8) h rt20/25	21.460	18697423	15.545	ppb	
14) t mtbe #2	9.014	1294400	4.603	ppb	m
15) t benzene #2	14.173	302979	0.461	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	3316832	5.150	ppb	

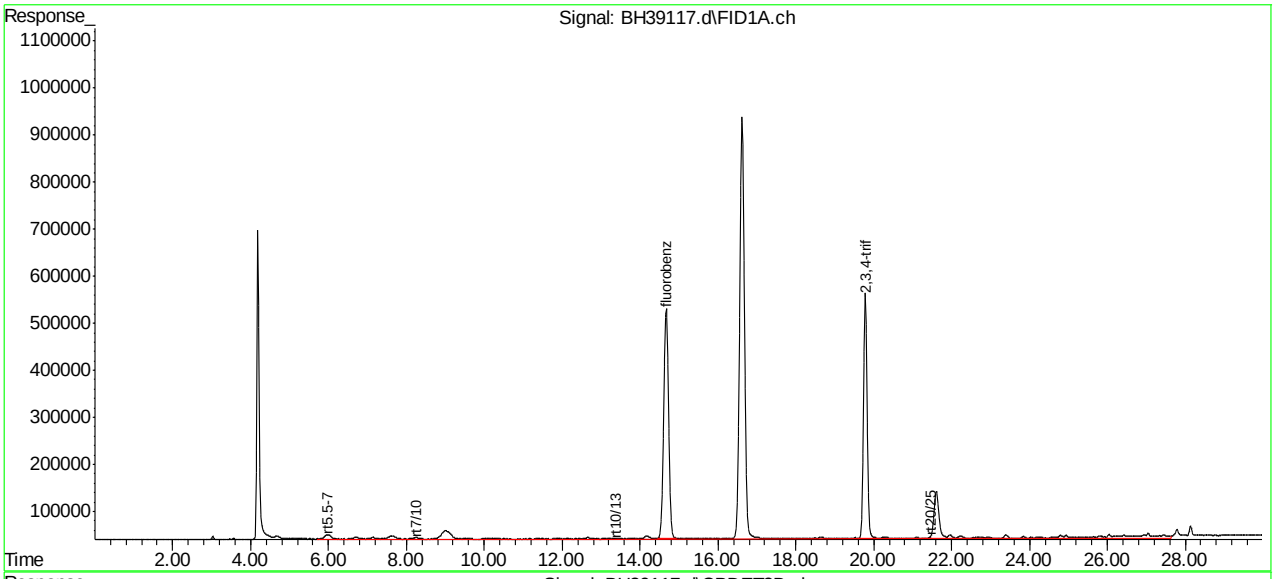
(f)=RT Delta > 1/2 Window (m)=manual int.

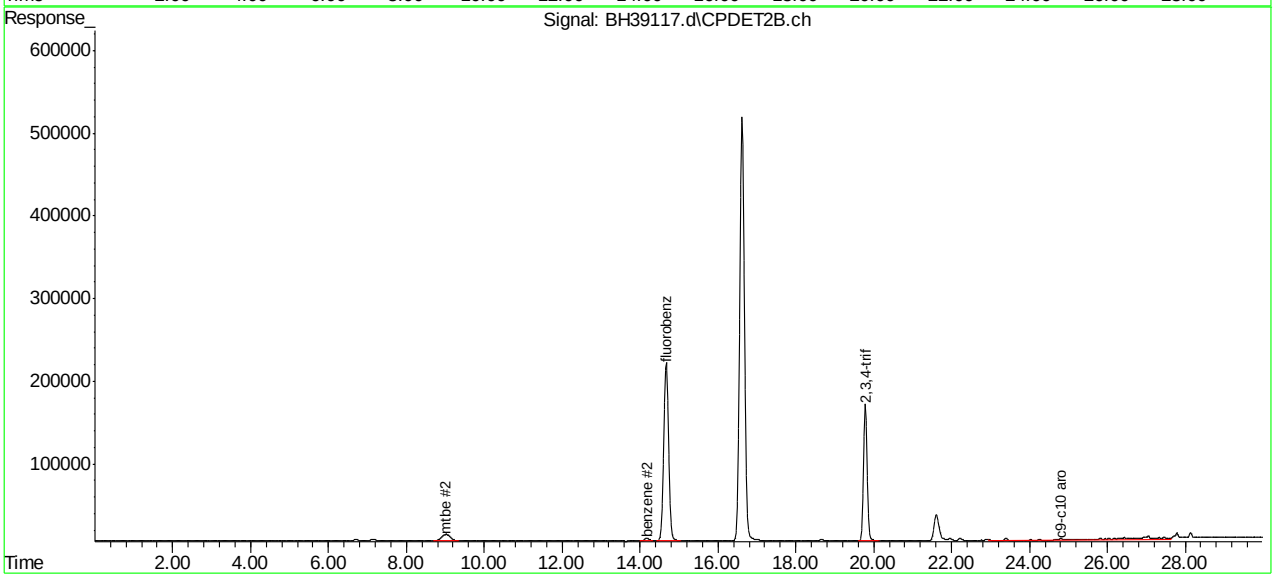
Quantitation Report (QT Reviewed)

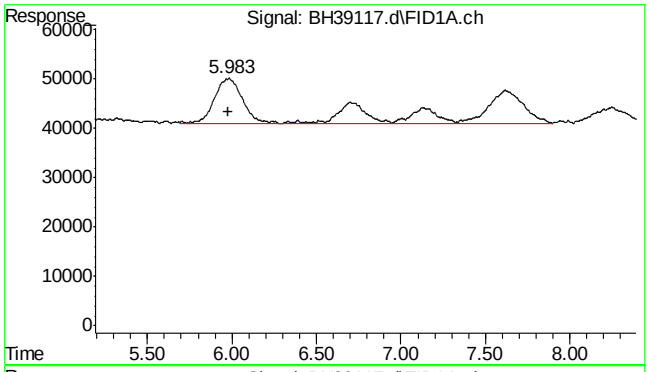
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:26:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

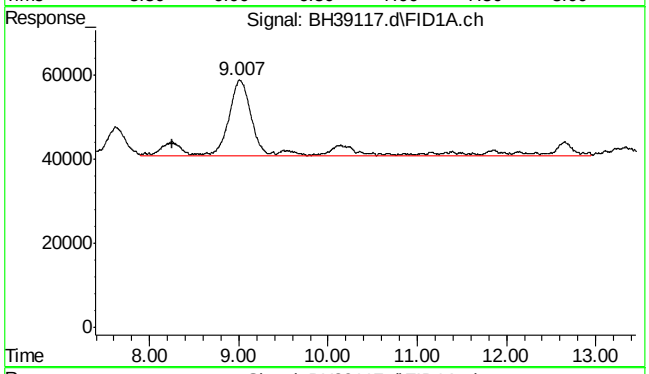






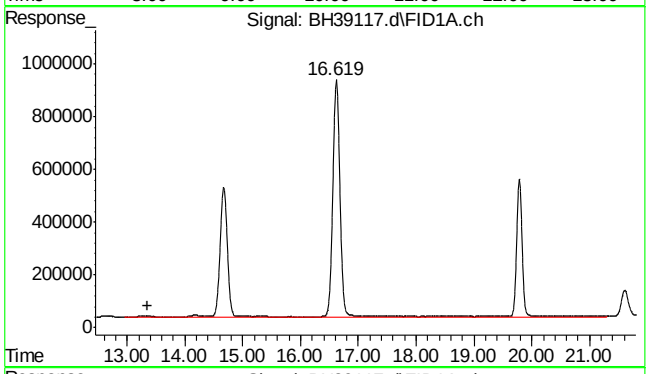
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 2896782
Conc: 2.80 ppb



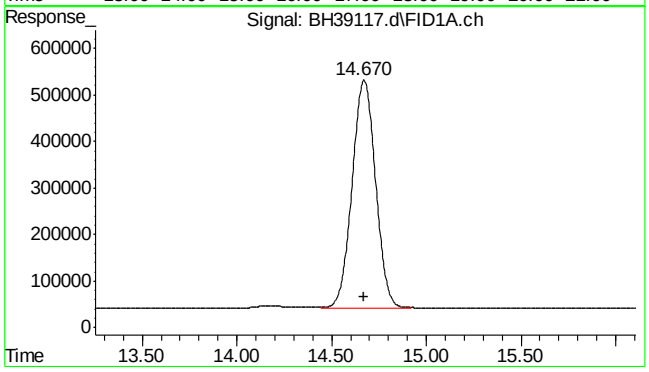
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 5308289
Conc: 5.14 ppb



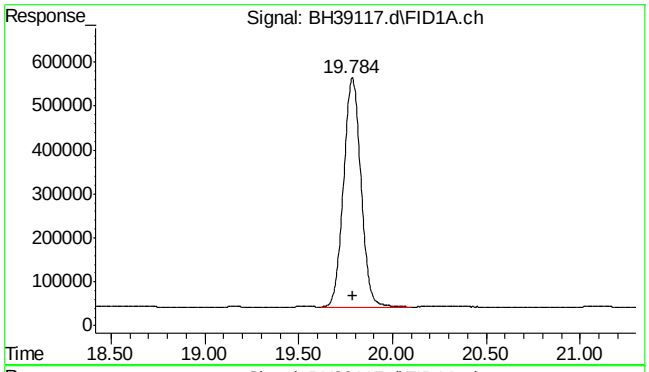
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 82412550
Conc: 79.80 ppb



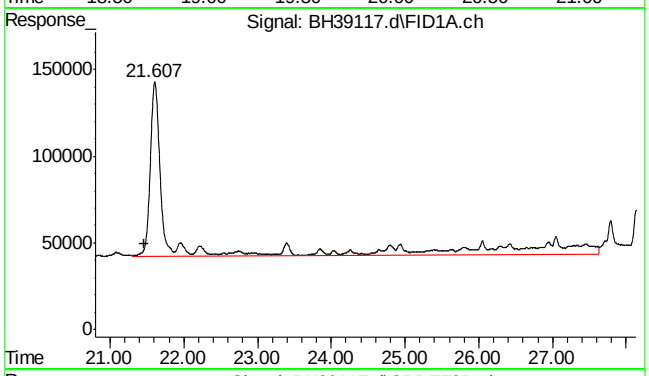
#4 fluorobenzene

R.T.: 14.670 min
Delta R.T.: -0.001 min
Response: 42327302
Conc: 45.08 ppb m



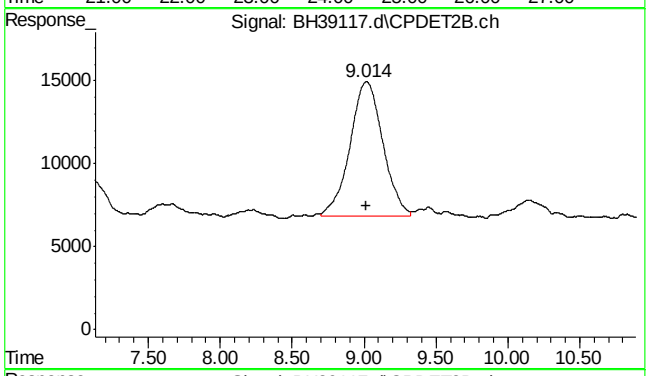
#6 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: -0.001 min
Response: 33847567
Conc: 41.64 ppb m



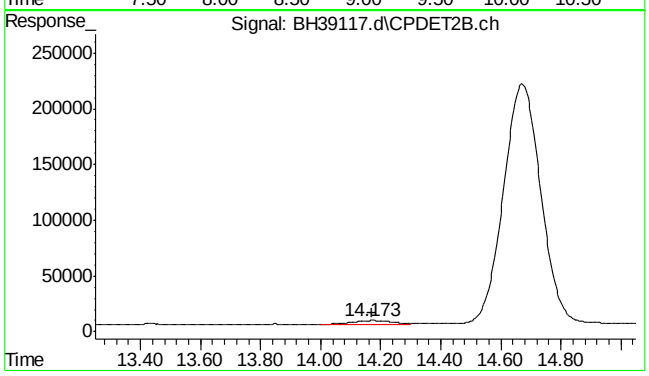
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 18697423
Conc: 15.55 ppb



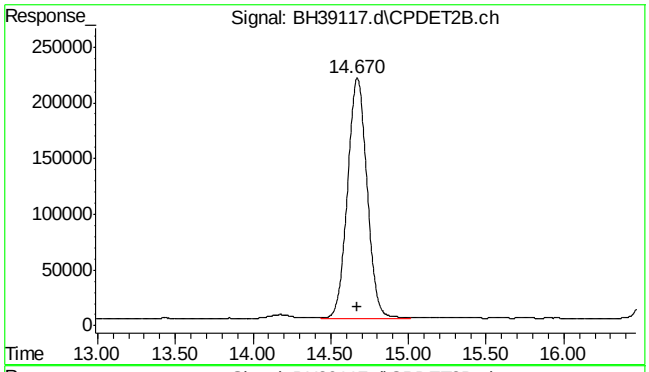
#14 mtbe #2

R.T.: 9.014 min
Delta R.T.: -0.002 min
Response: 1294400
Conc: 4.60 ppb m



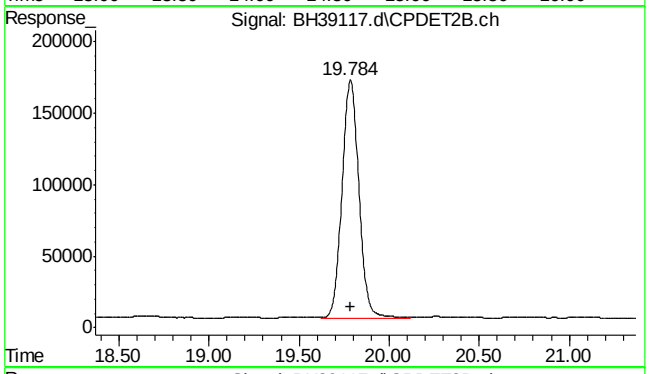
#15 benzene #2

R.T.: 14.173 min
Delta R.T.: 0.004 min
Response: 302979
Conc: 0.46 ppb m



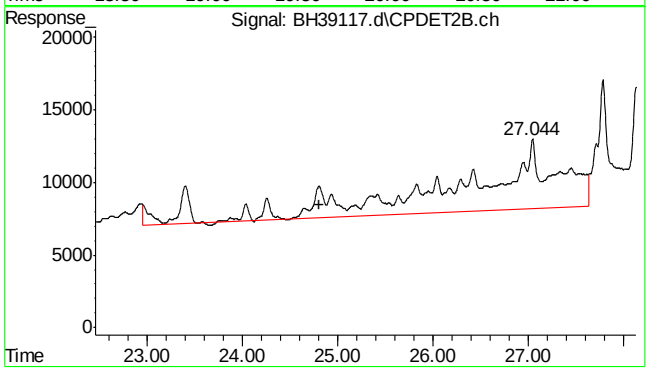
#16 fluorobenzene #2

```
      R.T.:   14.670 min
Delta R.T.:    0.000 min
  Response:  18812531
      Conc:  46.29 ppb m
```



#18 2,3,4-trifluorotoluene #2

```
      R.T.:   19.786 min
Delta R.T.:    0.000 min
  Response:  10877156
      Conc:  42.83 ppb
```



#25 c9-c10 arom as 1,2,4-tmb

```
      R.T.:   24.800 min
Delta R.T.:    0.000 min
  Response:   3316832
      Conc:   5.15 ppb
```

7.1.2

7

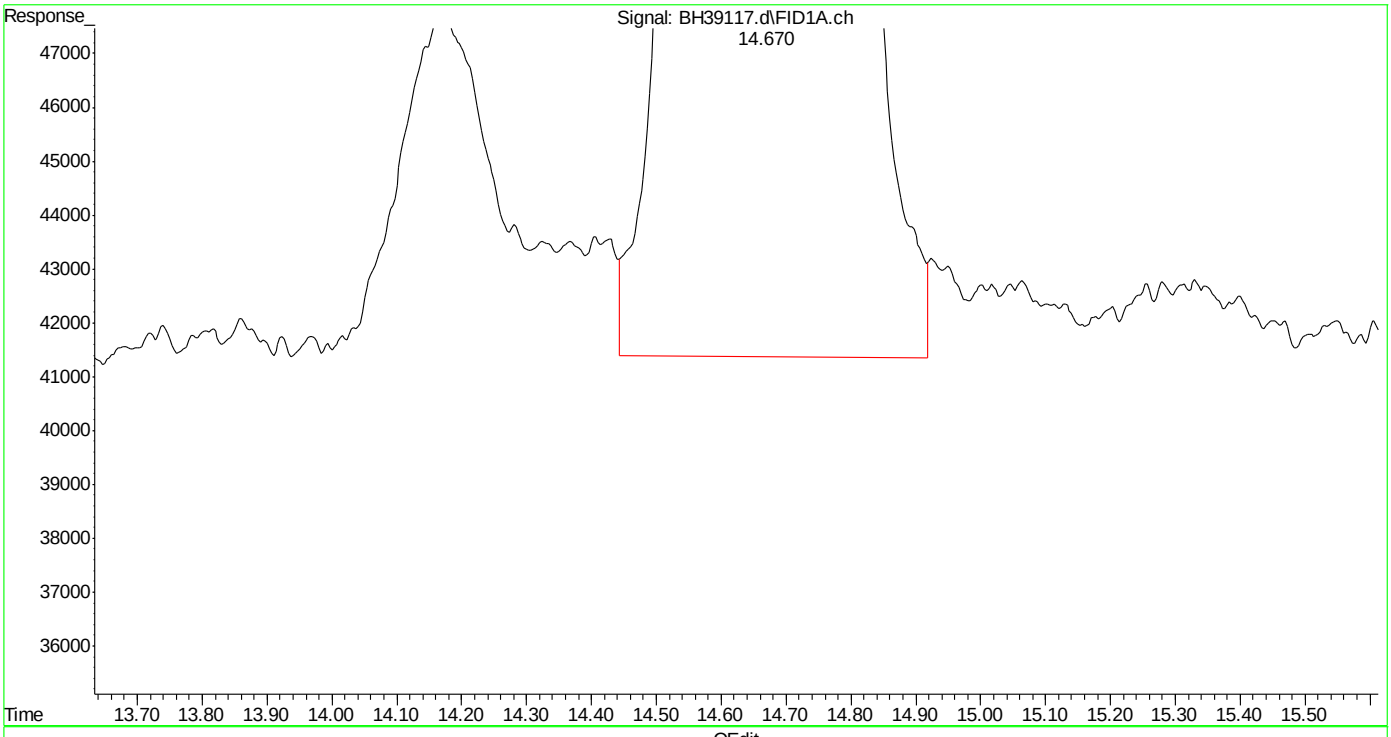
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.672min 45.244 ppb
response 42482692

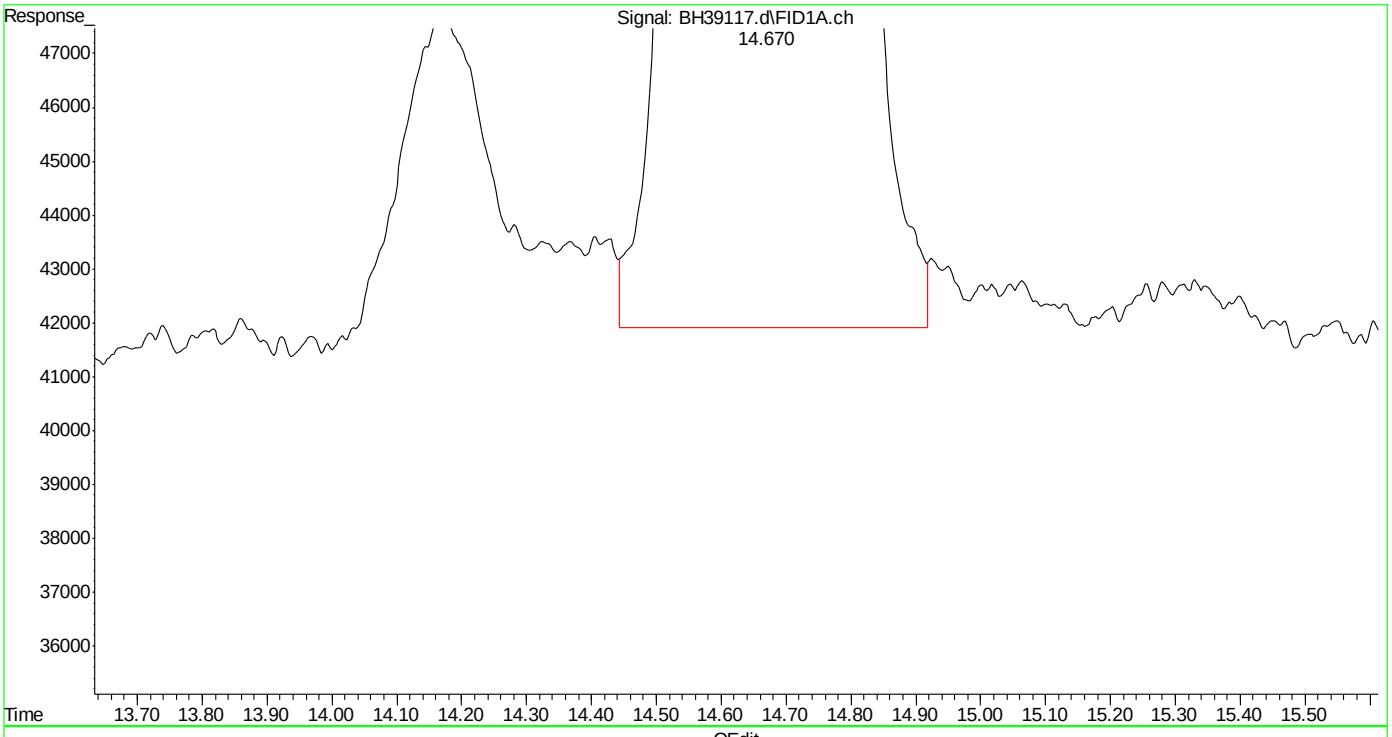
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:25:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 45.078 ppb m
response 42327302

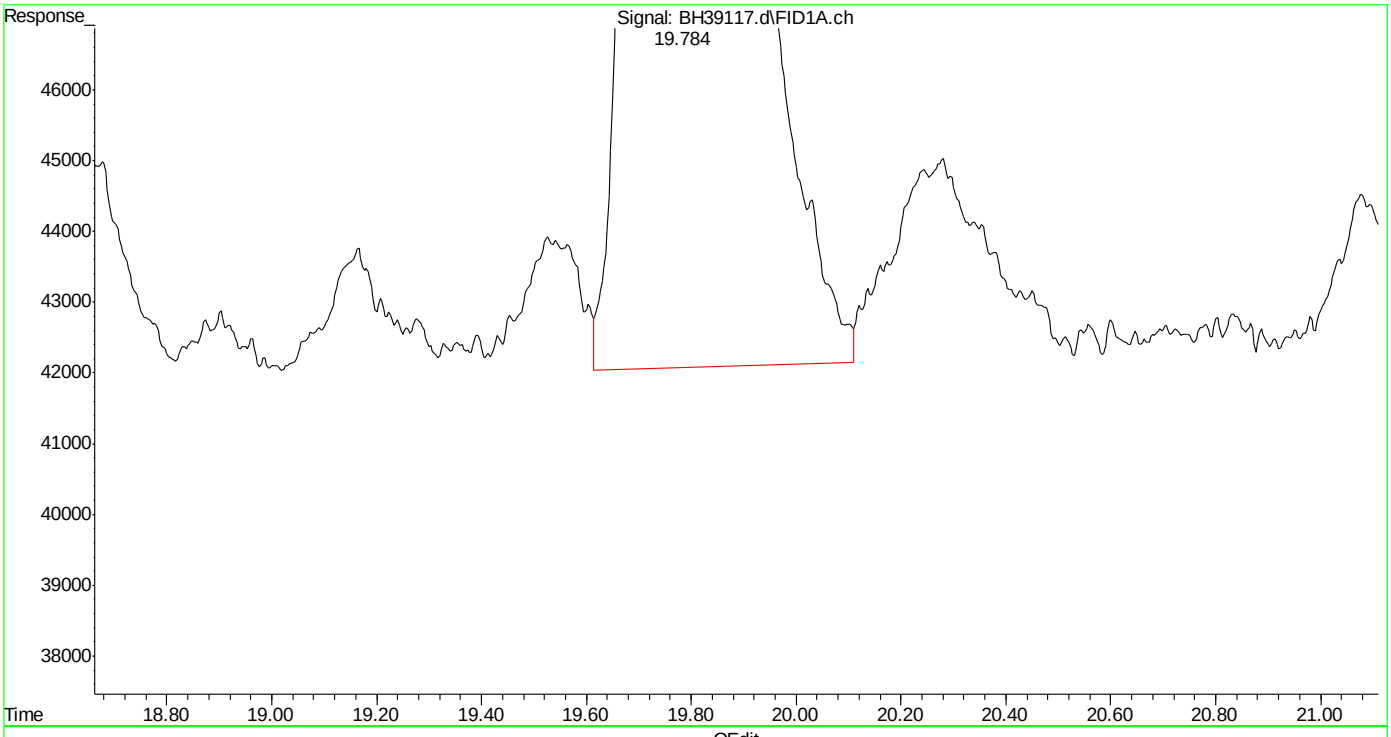
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:25:24 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.786min 41.685 ppb
response 33884875

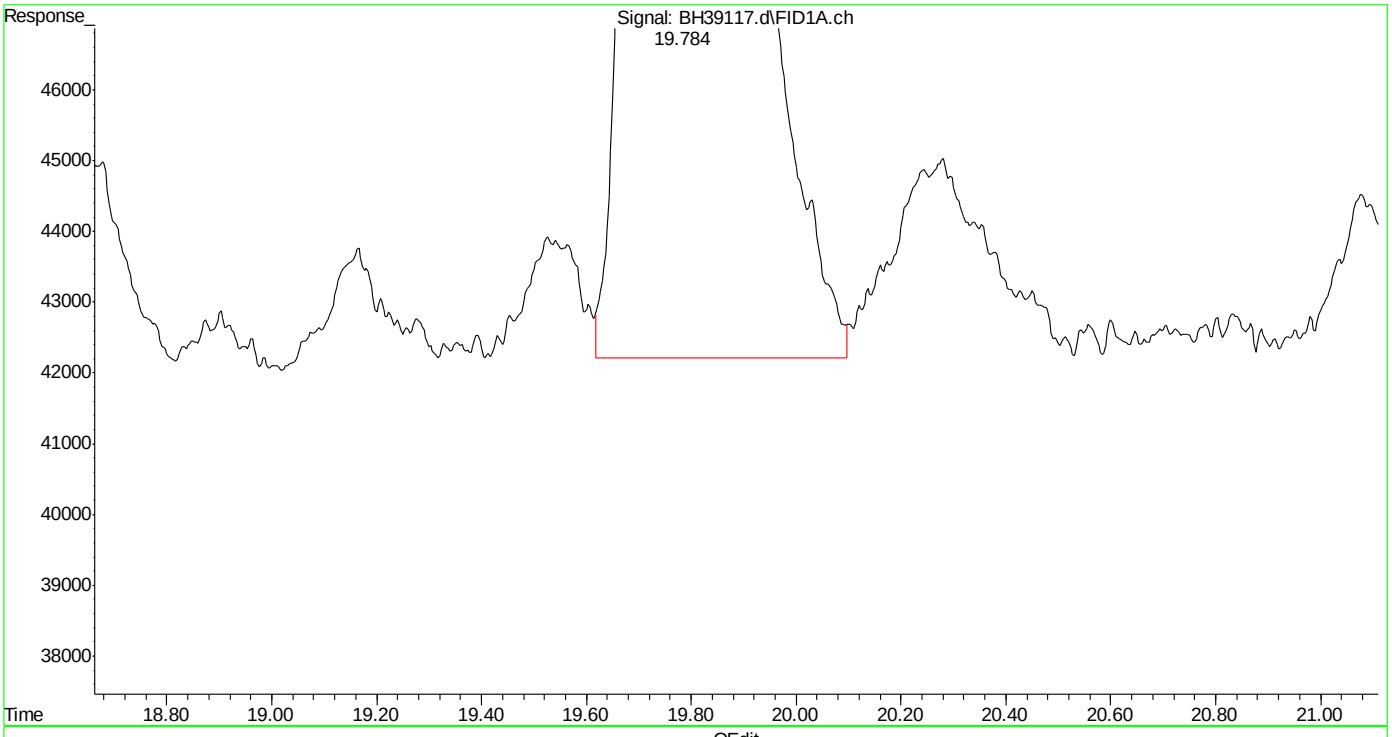
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:25:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.784min 41.639 ppb m
response 33847567

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:25:36 2016

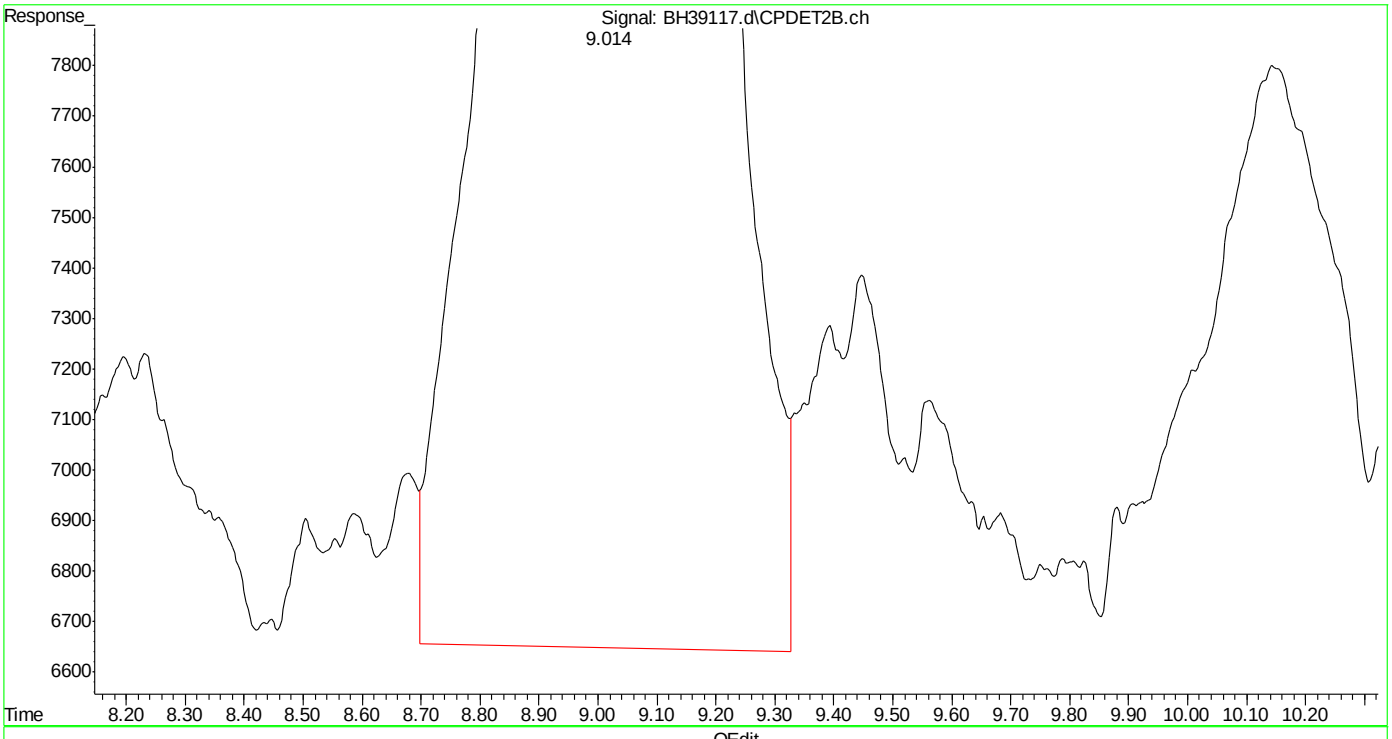
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.016min 4.842 ppb
response 1361610

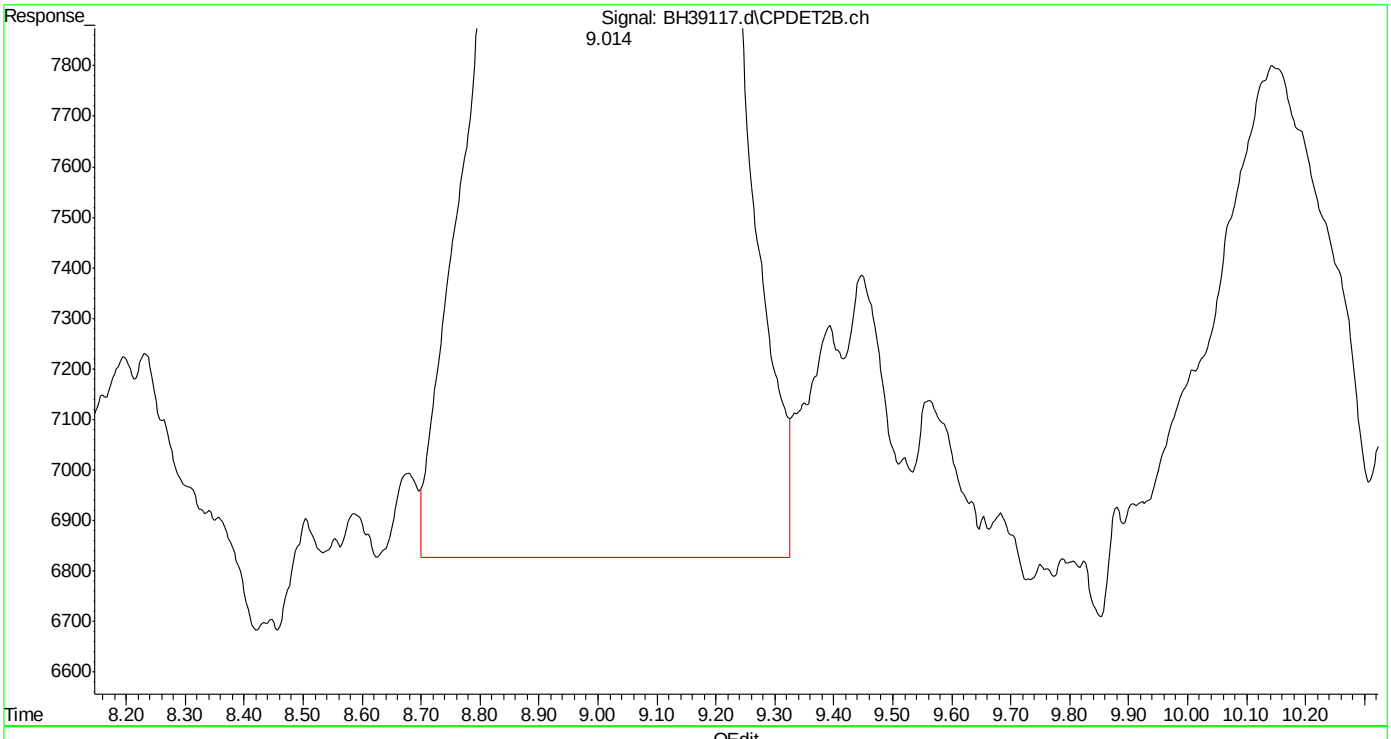
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.014min 4.603 ppb m
response 1294400

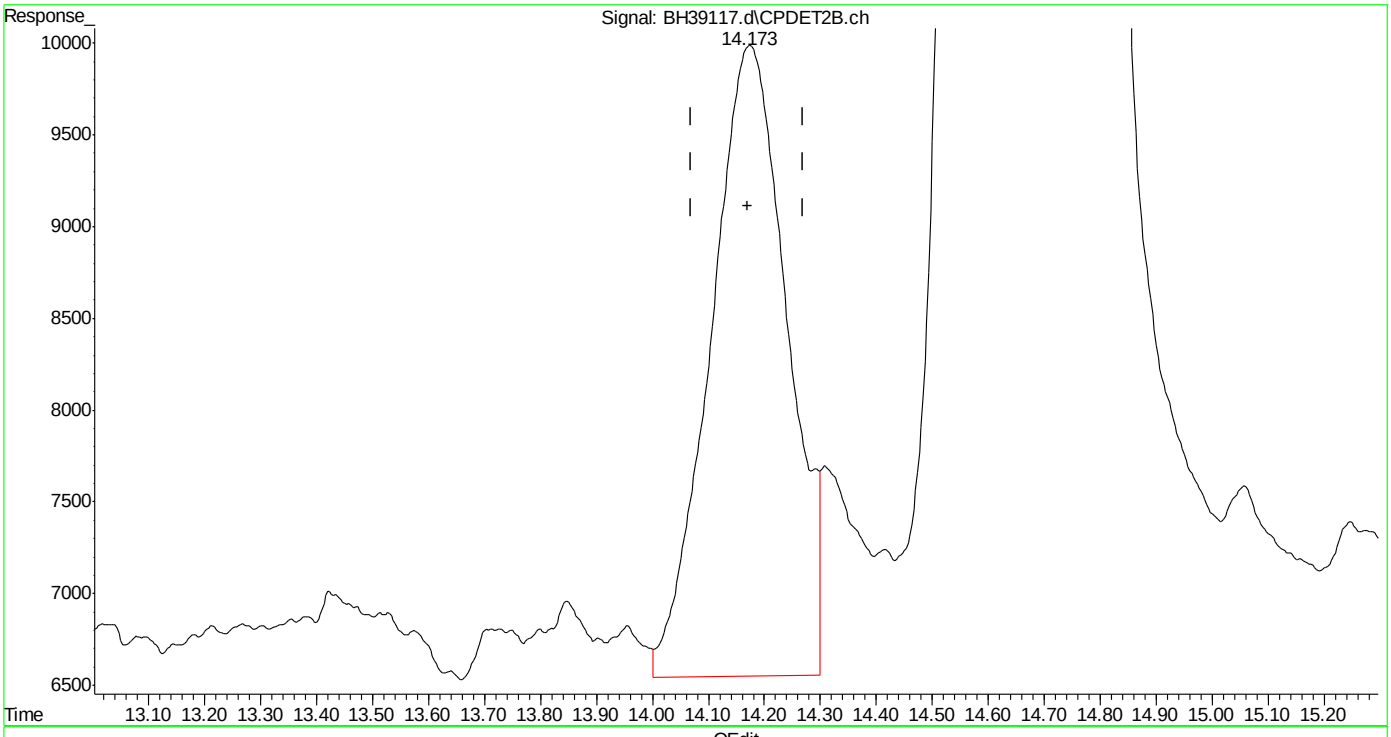
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:25:54 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.174min 0.497 ppb
response 326557

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:25:59 2016

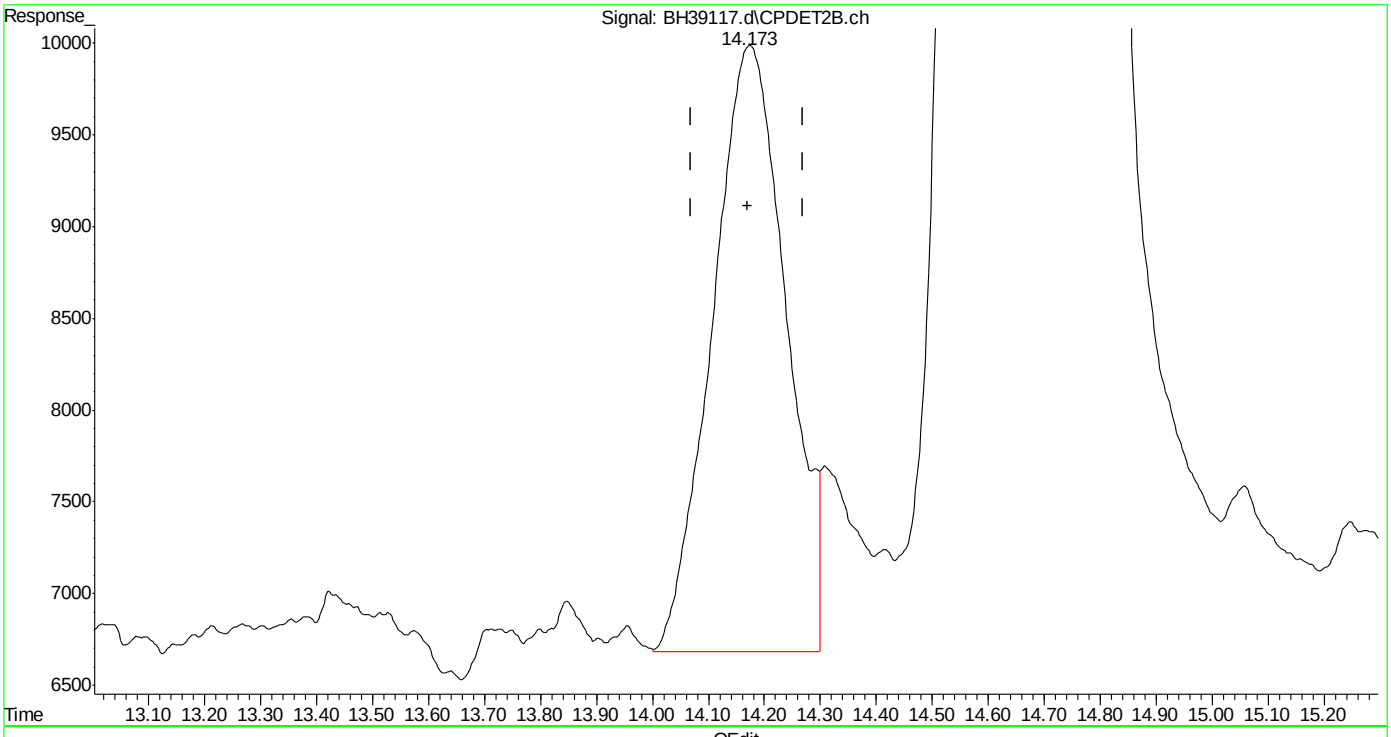
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.173min 0.461 ppb m
response 302979

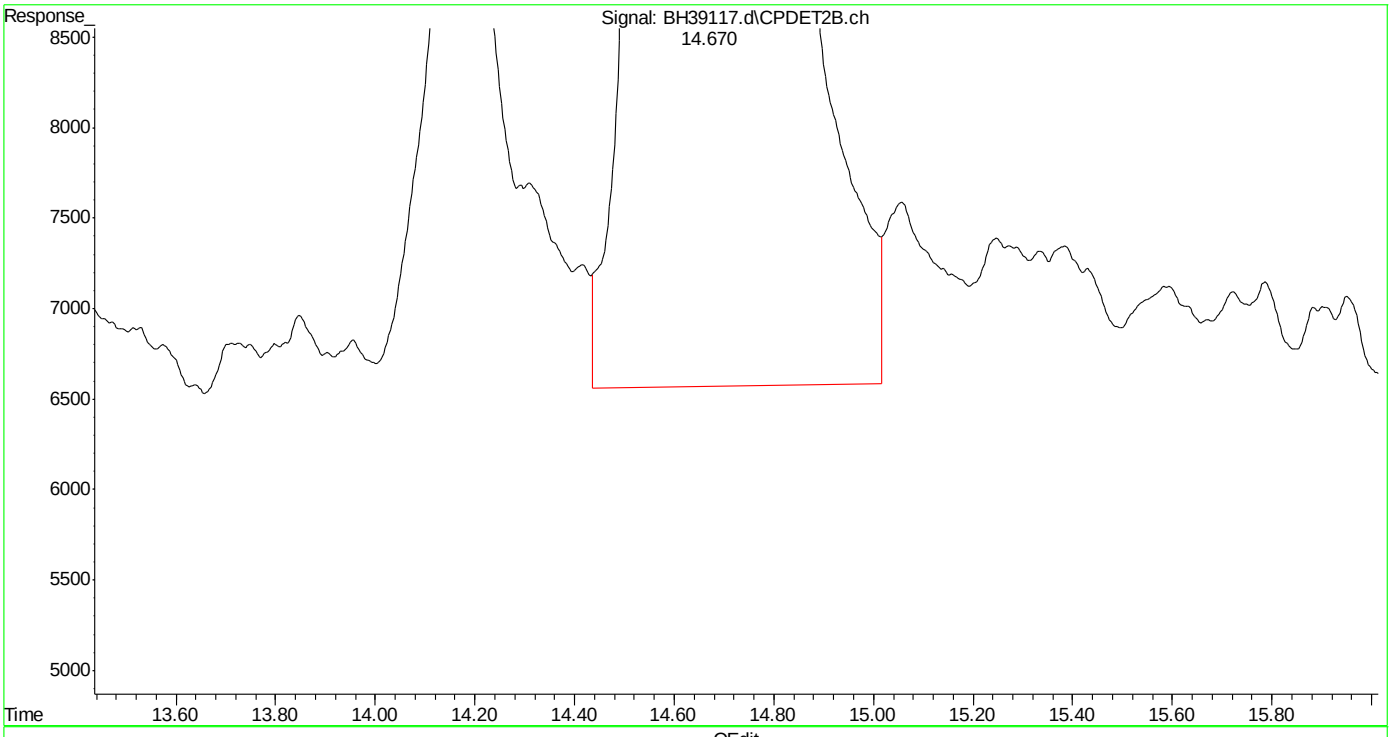
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:26:06 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.672min 46.394 ppb
response 18855148

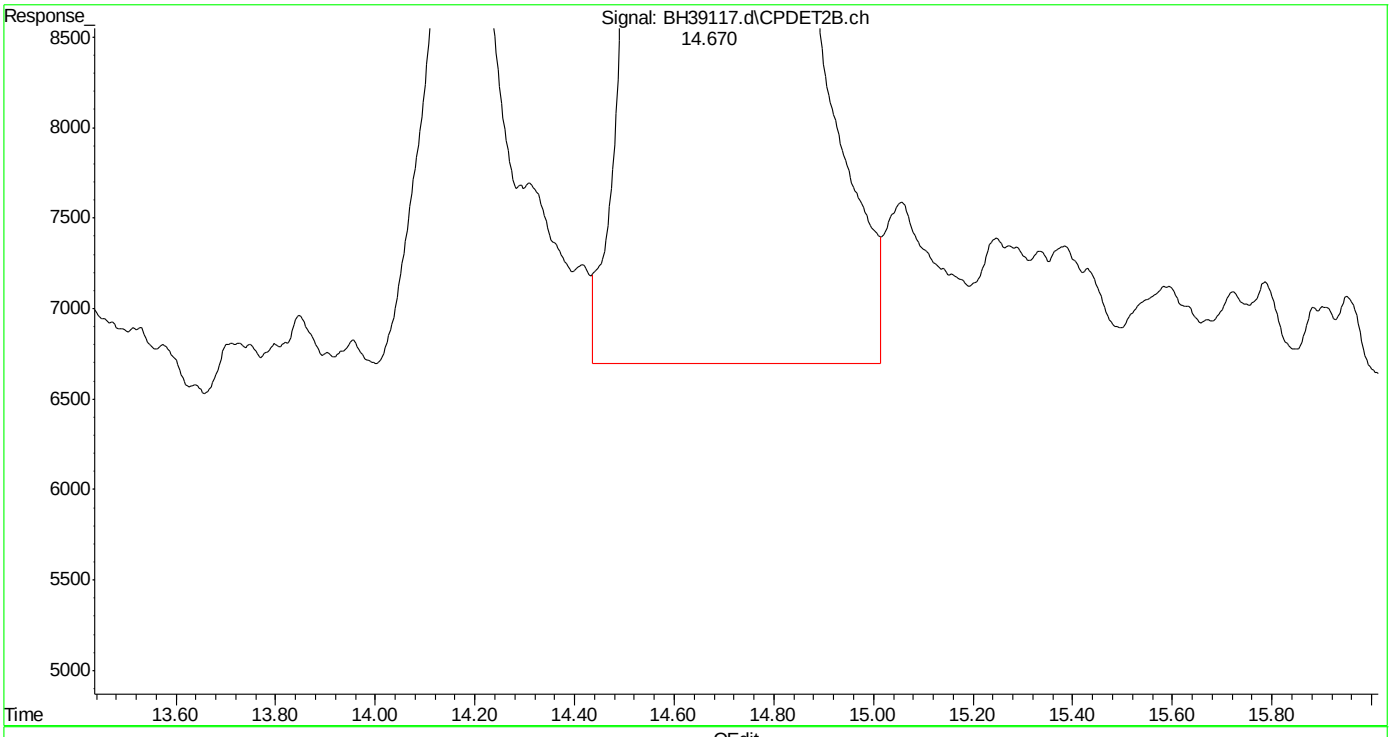
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:26:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 46.289 ppb m
response 18812531

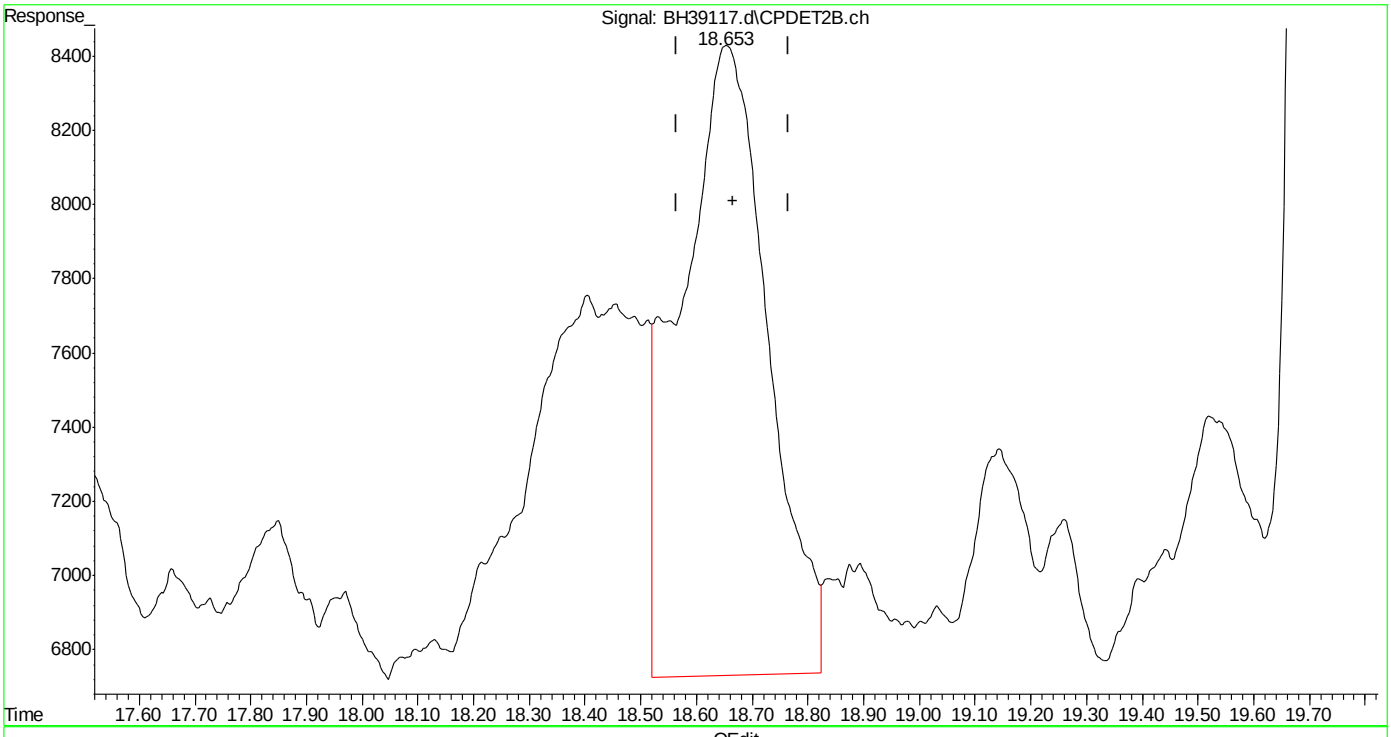
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:26:26 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.655min 0.302 ppb
response 186361

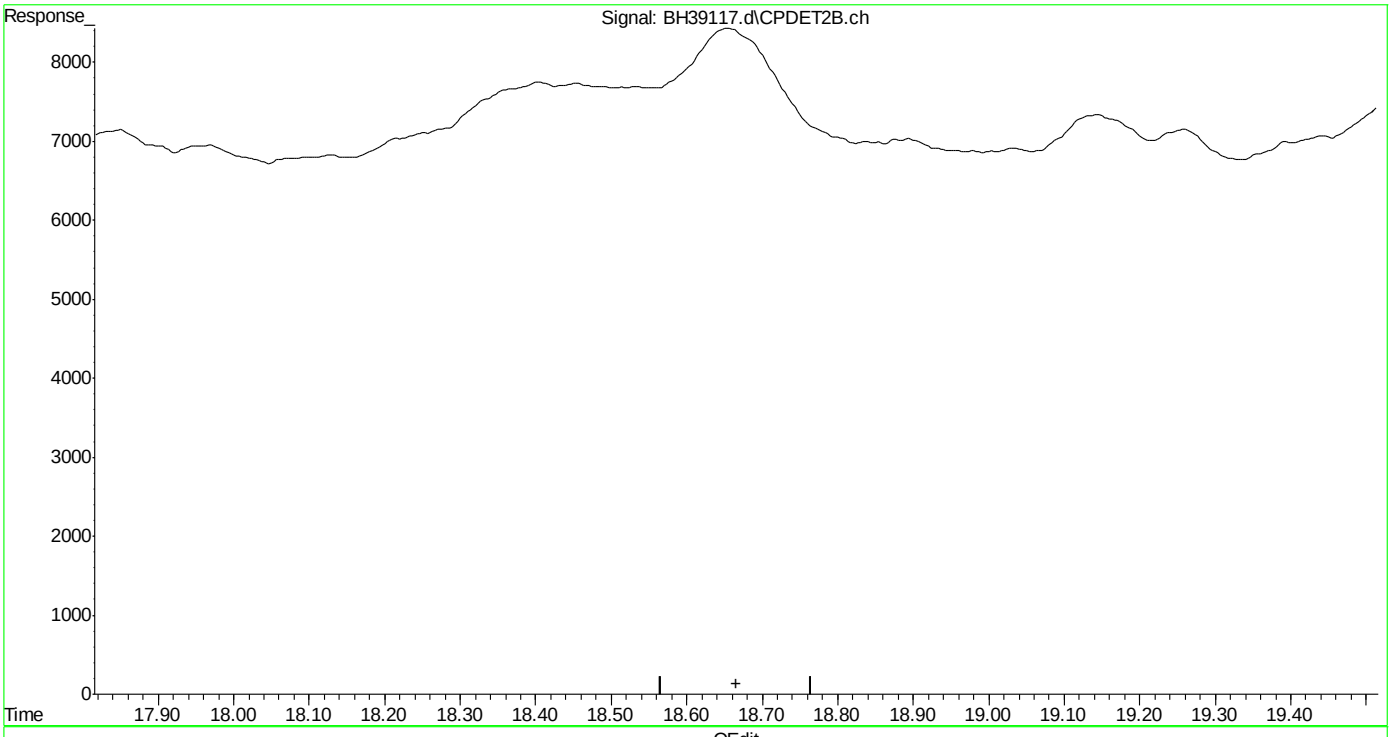
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:26:32 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
0.000min 0.000 ppb d
response 0

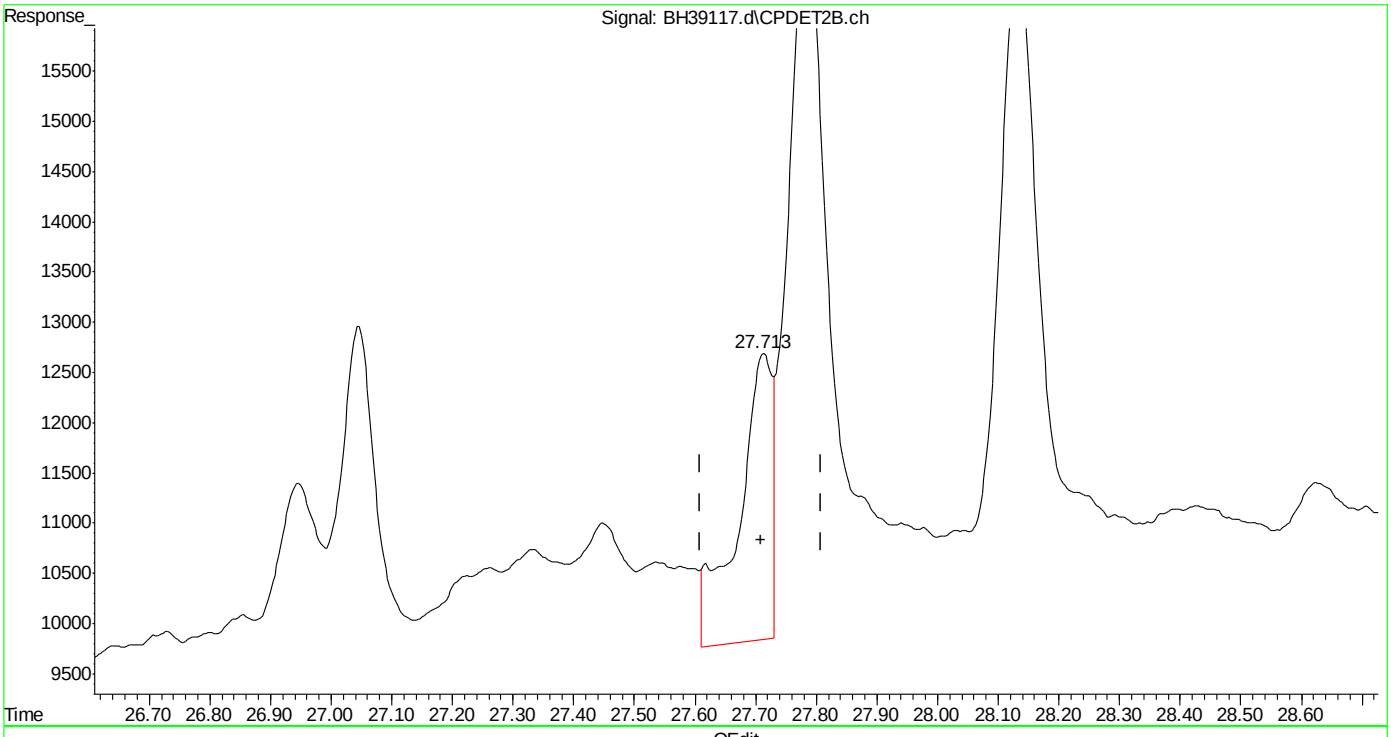
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:26:37 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.715min 0.195 ppb
response 106825

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:26:55 2016

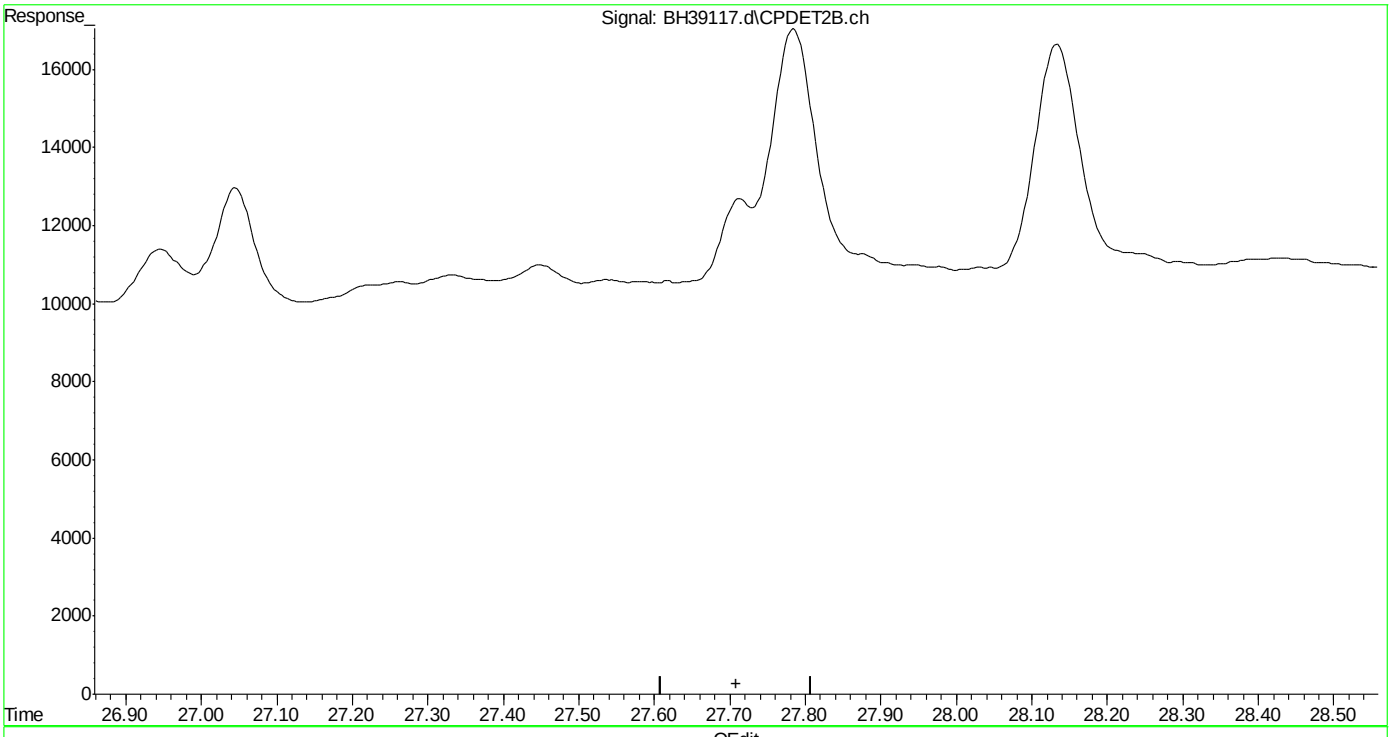
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 6:22 pm
Operator : danielf
Sample : mc45754-2,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
0.000min 0.000 ppb d
response 0

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:26:58 2016

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/09/16 11:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:17 pm
Operator : danielf
Sample : mc45754-3,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 14:48:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.672	41939927	44.666	ppb	
Spiked Amount 50.000		Recovery =	89.33%		
6) s 2,3,4-trifluorotoluene	19.786	33273150	40.932	ppb	
Spiked Amount 50.000		Recovery =	81.86%		
16) s fluorobenzene #2	14.672	18471582	45.450	ppb	
Spiked Amount 50.000		Recovery =	90.90%		
18) s 2,3,4-trifluorotoluen...	19.785	10559429	41.576	ppb	m
Spiked Amount 50.000		Recovery =	83.15%		
Target Compounds					
1) h rt5.5-7	5.980	2063332	1.998	ppb	
2) h rt7/10	8.250	2508244	2.429	ppb	
3) h rt10/13	13.360	4339806	4.202	ppb	
8) h rt20/25	21.460	8290924	6.893	ppb	
25) h c9-c10 arom as 1,2,4-tmb	24.800	3136277	4.870	ppb	

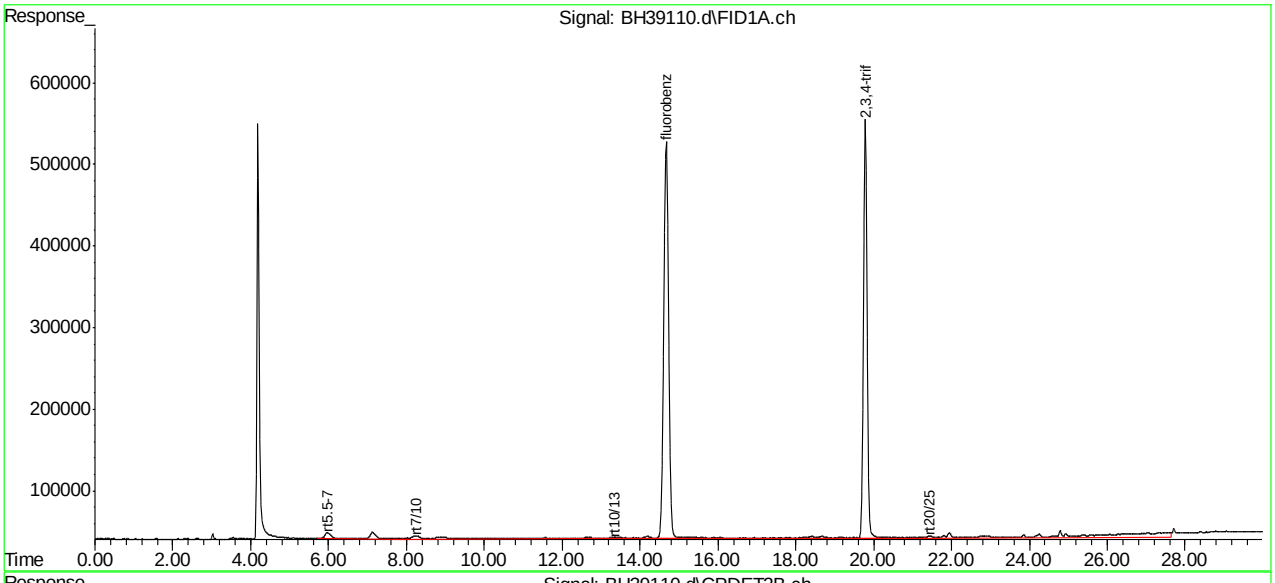
(f)=RT Delta > 1/2 Window (m)=manual int.

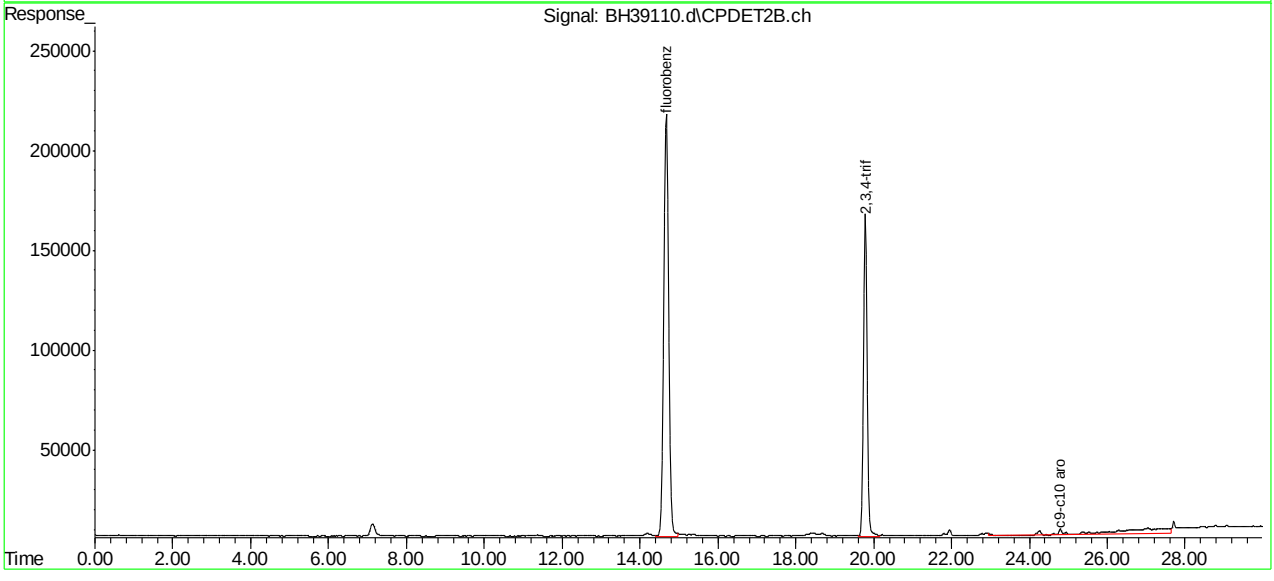
Quantitation Report (QT Reviewed)

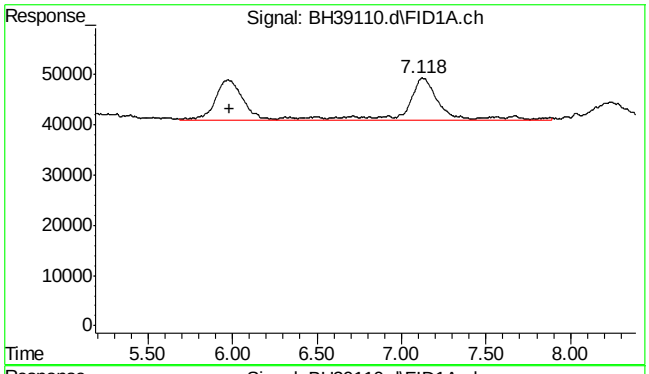
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:17 pm
Operator : danielf
Sample : mc45754-3,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 14:48:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

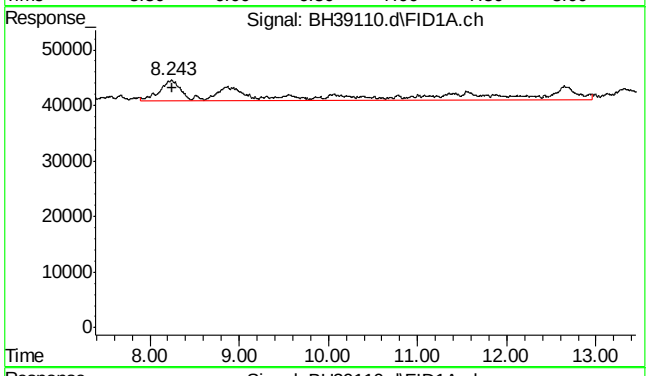






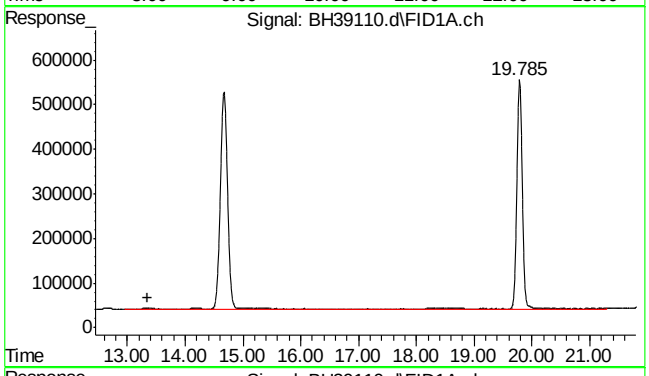
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 2063332
Conc: 2.00 ppb



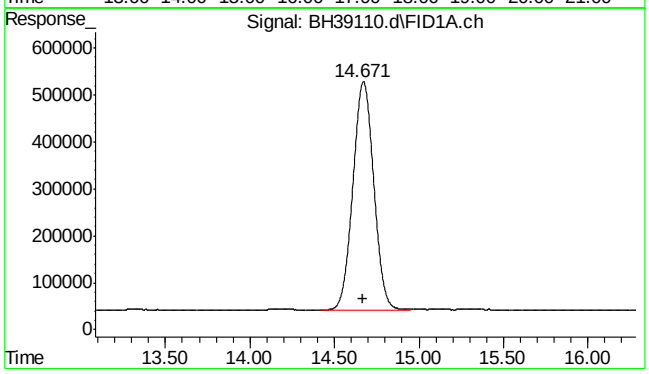
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 2508244
Conc: 2.43 ppb



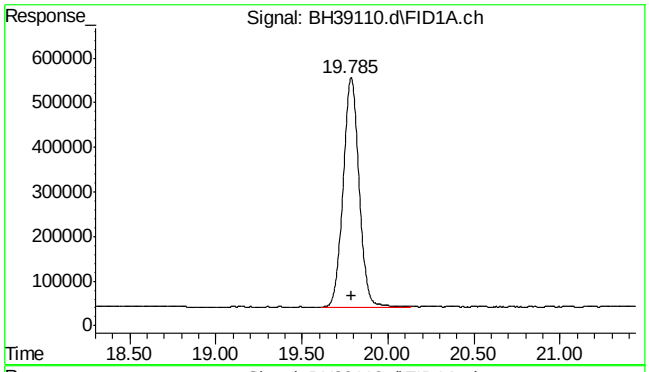
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 4339806
Conc: 4.20 ppb



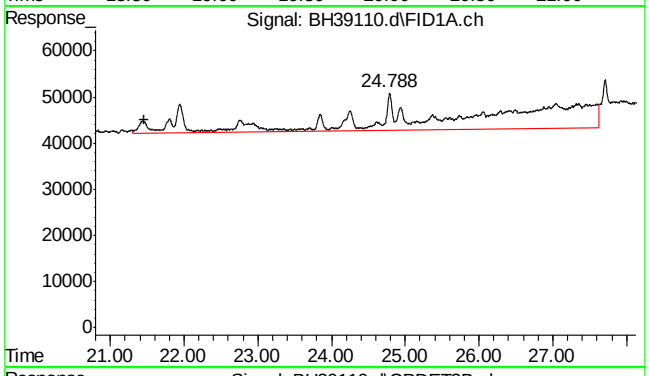
#4 fluorobenzene

R.T.: 14.672 min
Delta R.T.: 0.000 min
Response: 41939927
Conc: 44.67 ppb



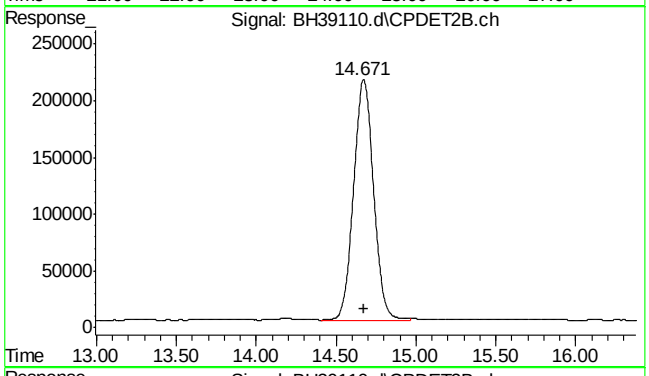
#6 2,3,4-trifluorotoluene

R.T.: 19.786 min
Delta R.T.: 0.000 min
Response: 33273150
Conc: 40.93 ppb



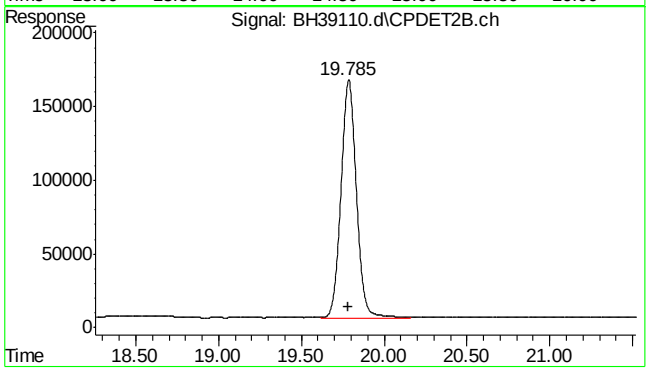
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 8290924
Conc: 6.89 ppb



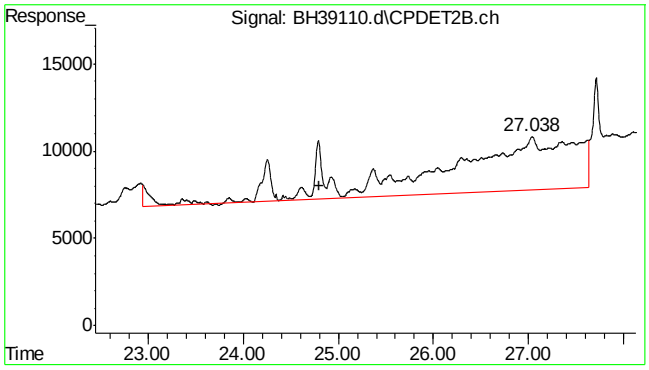
#16 fluorobenzene #2

R.T.: 14.672 min
Delta R.T.: 0.000 min
Response: 18471582
Conc: 45.45 ppb



#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 10559429
Conc: 41.58 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.:	24.800 min
Delta R.T.:	0.000 min
Response:	3136277
Conc:	4.87 ppb

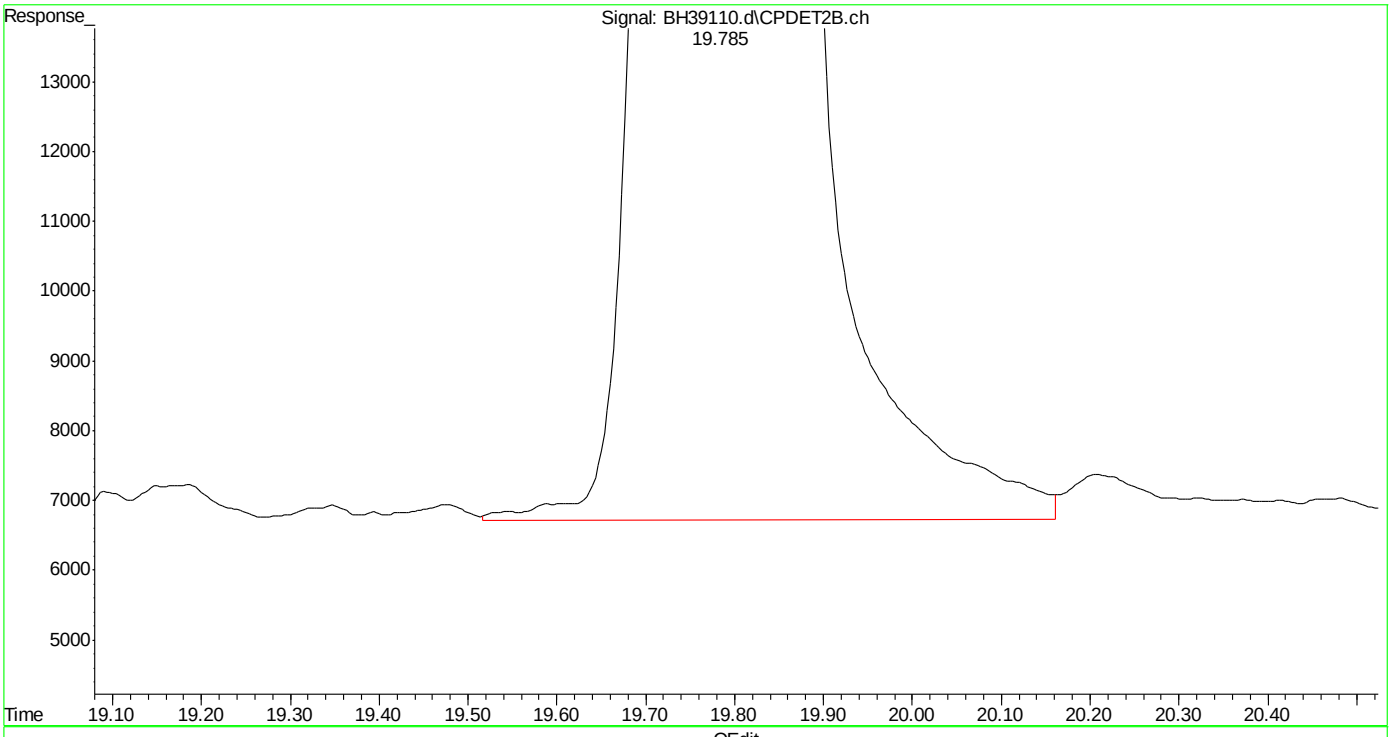
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:17 pm
Operator : danielf
Sample : mc45754-3,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 14:47:44 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 41.656 ppb
response 10579842

(+) = Expected Retention Time

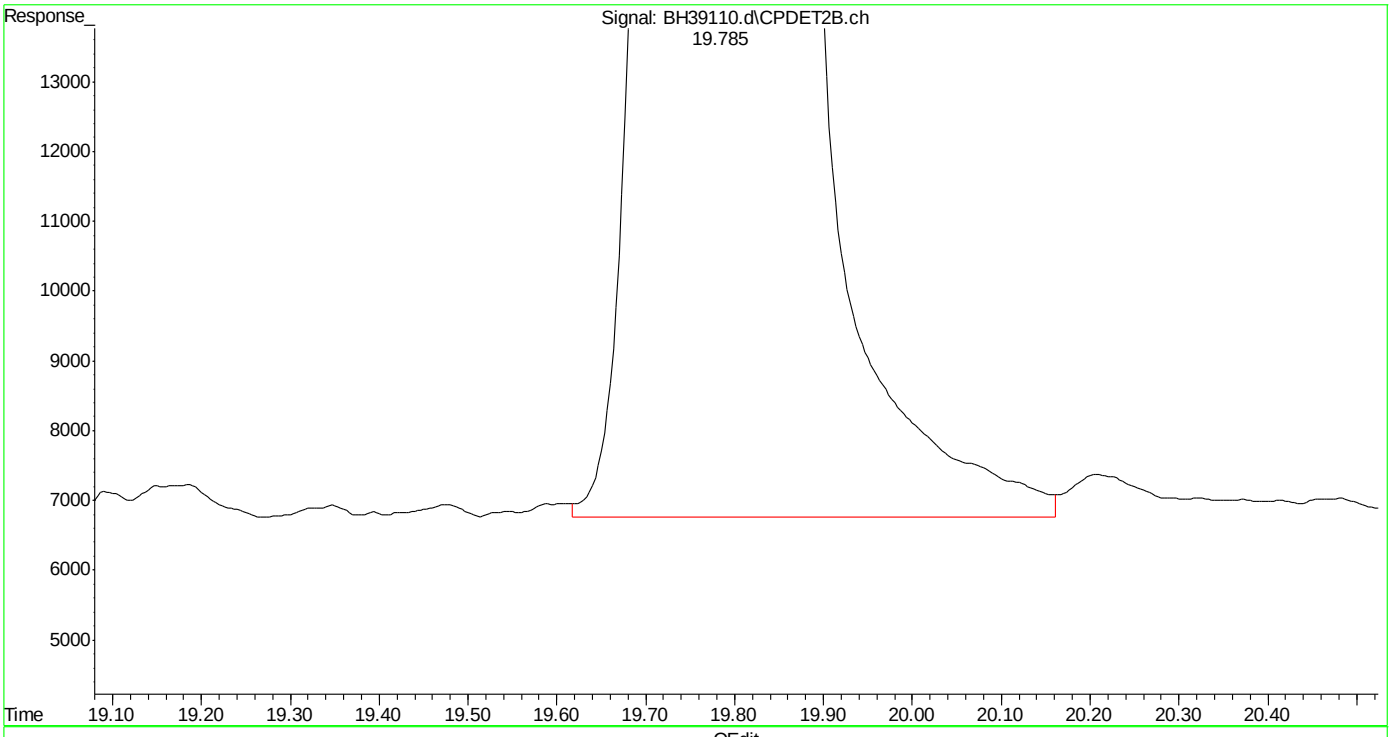
bh160506vph.m Fri May 06 14:48:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:17 pm
Operator : danielf
Sample : mc45754-3,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 14:47:44 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 41.576 ppb m
response 10559429

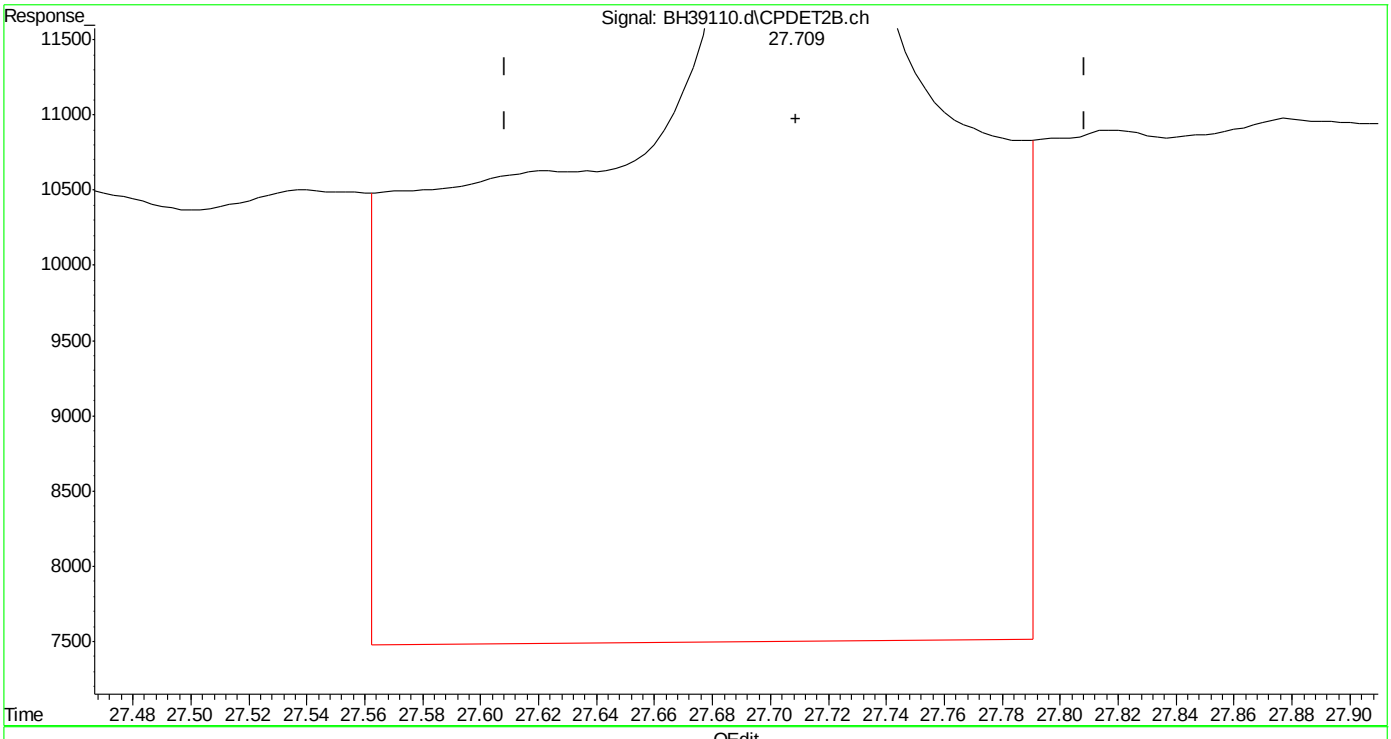
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:17 pm
Operator : danielf
Sample : mc45754-3,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 14:47:44 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 0.985 ppb
response 538563

(+) = Expected Retention Time
bh160506vph.m Fri May 06 14:48:32 2016

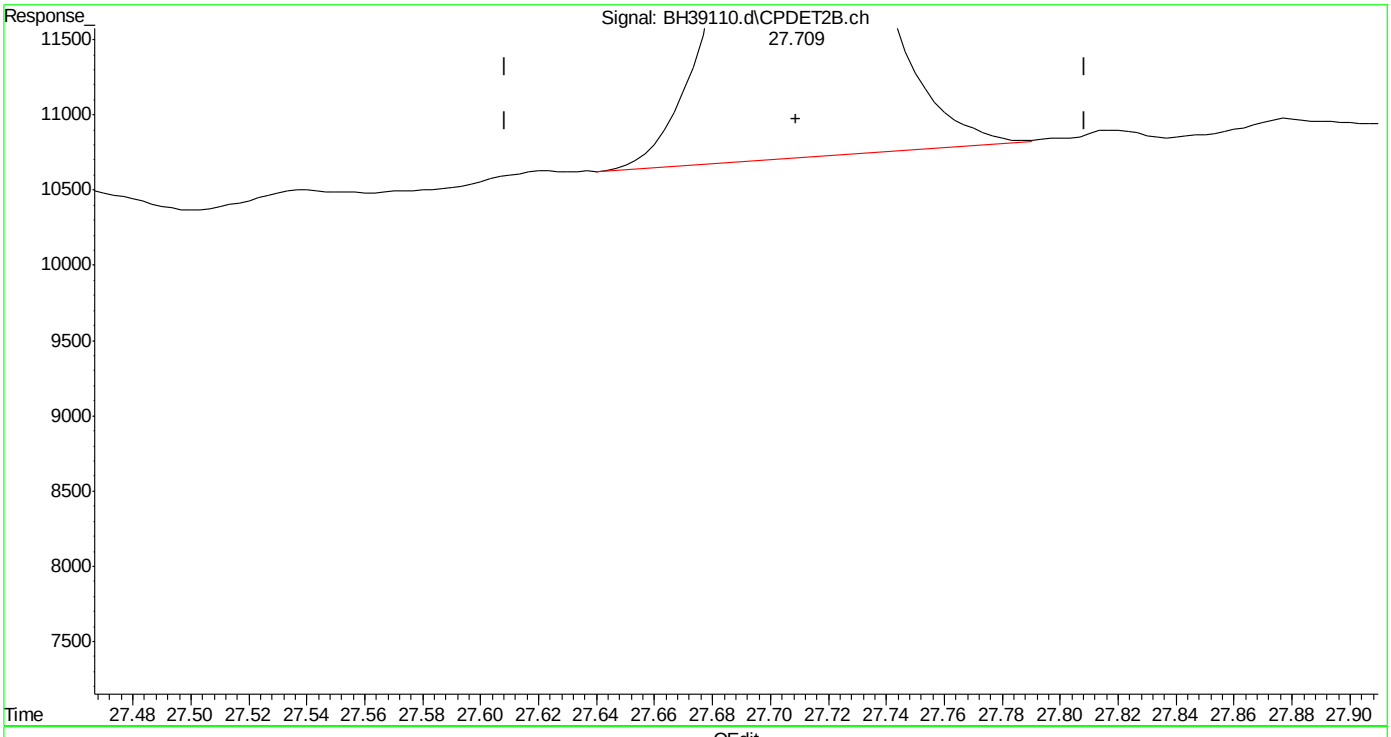
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:17 pm
Operator : danielf
Sample : mc45754-3,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 14:47:44 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.709min 0.191 ppb m
response 104663

(+) = Expected Retention Time
bh160506vph.m Fri May 06 14:48:39 2016

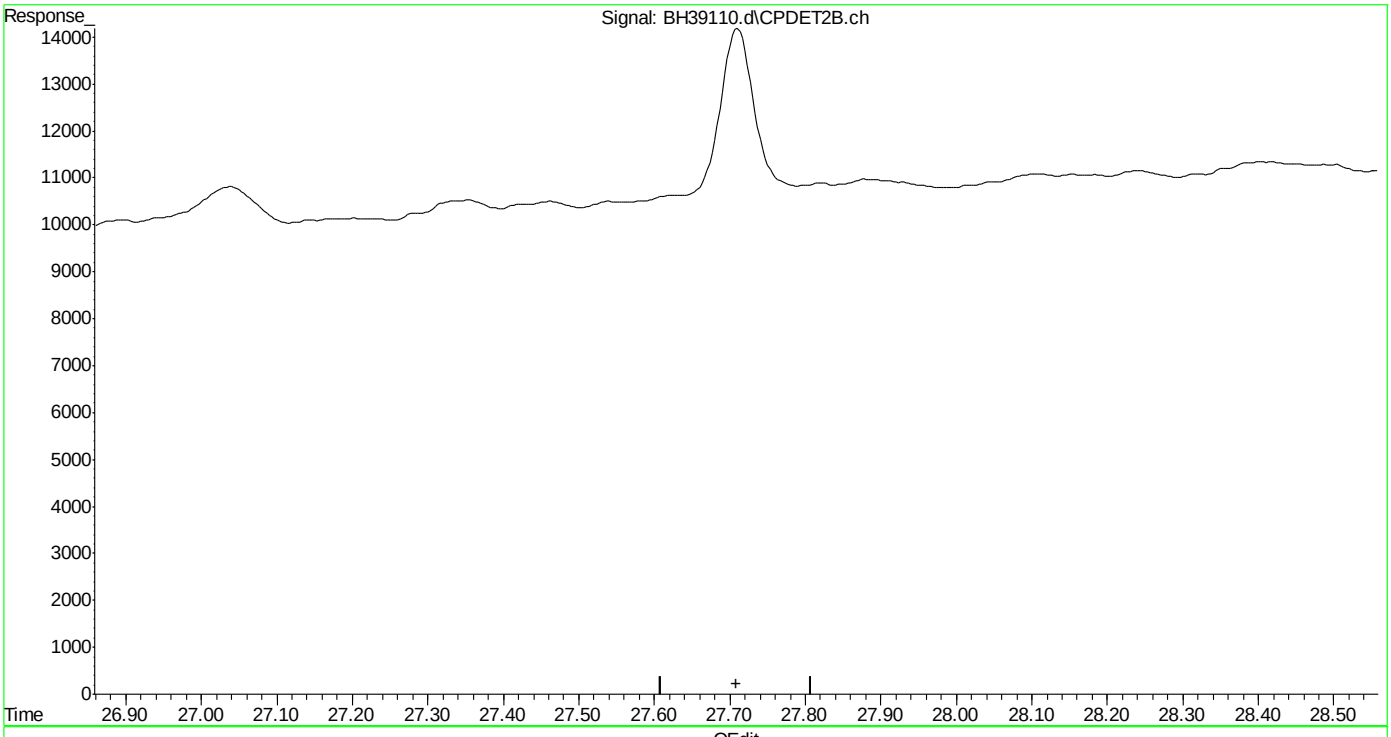
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:17 pm
Operator : danielf
Sample : mc45754-3,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 14:47:44 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
0.000min 0.000 ppb d
response 0

(+) = Expected Retention Time
bh160506vph.m Fri May 06 14:48:41 2016

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/09/16 11:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:14:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.670	42015472	44.746	ppb	m
Spiked Amount 50.000		Recovery = 89.49%			
6) s 2,3,4-trifluorotoluene	19.786	33360236	41.040	ppb	
Spiked Amount 50.000		Recovery = 82.08%			
16) s fluorobenzene #2	14.671	18499297	45.518	ppb	m
Spiked Amount 50.000		Recovery = 91.04%			
18) s 2,3,4-trifluorotoluen...	19.785	10617312	41.804	ppb	m
Spiked Amount 50.000		Recovery = 83.61%			
Target Compounds					
1) h rt5.5-7	5.980	1312477	1.271	ppb	
2) h rt7/10	8.250	4411918	4.272	ppb	
3) h rt10/13	13.360	29518223	28.582	ppb	
8) h rt20/25	21.460	10875430	9.042	ppb	
14) t mtbe #2	9.014	1143485	4.066	ppb	
24) t naphthalene #2	27.709	172480	0.315	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	2925872	4.543	ppb	

(f)=RT Delta > 1/2 Window (m)=manual int.

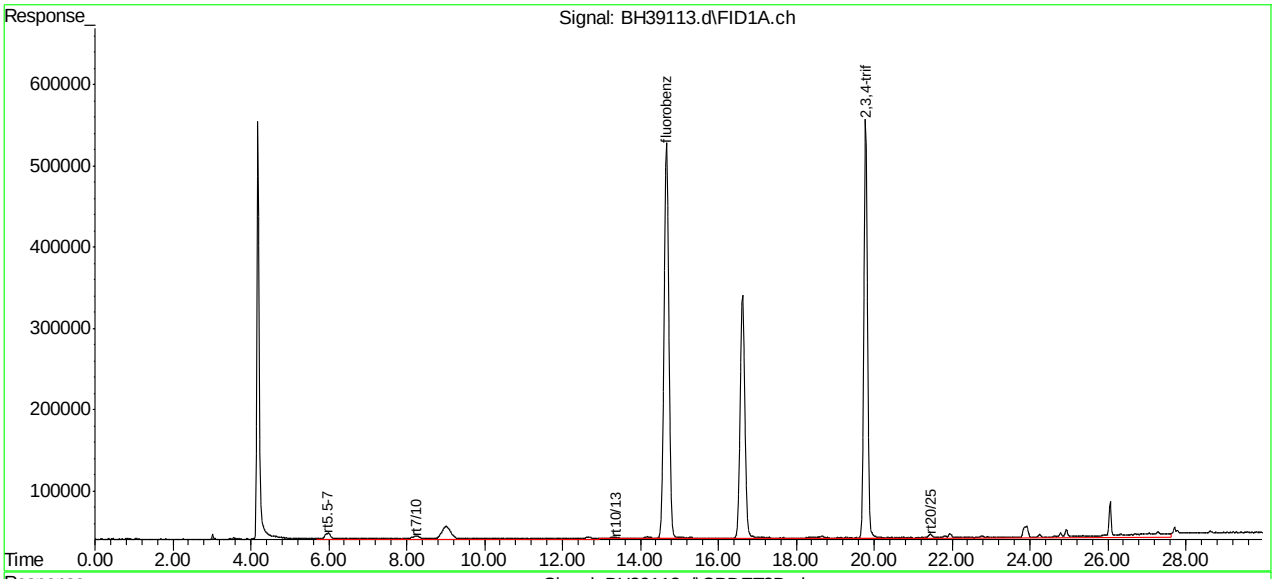
SGS ACCUTEST MC45754

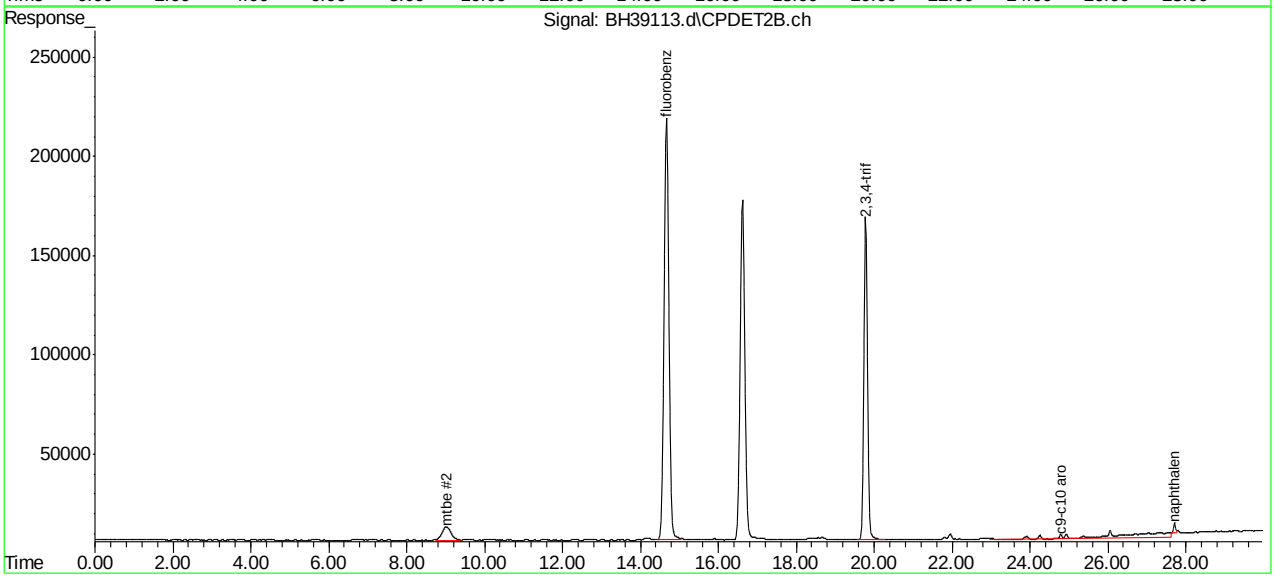
Quantitation Report (QT Reviewed)

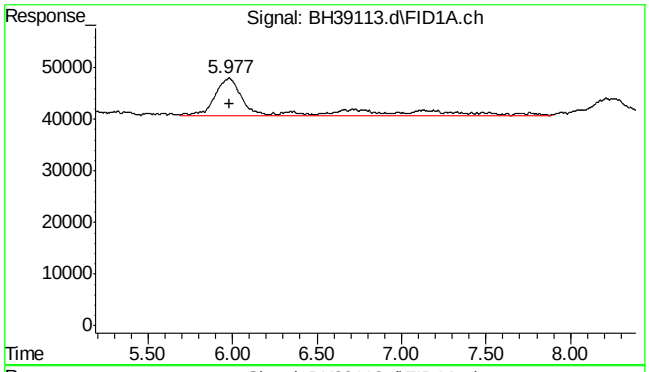
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:14:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

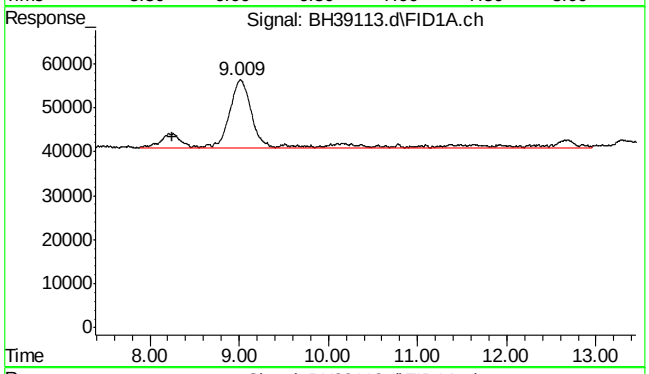






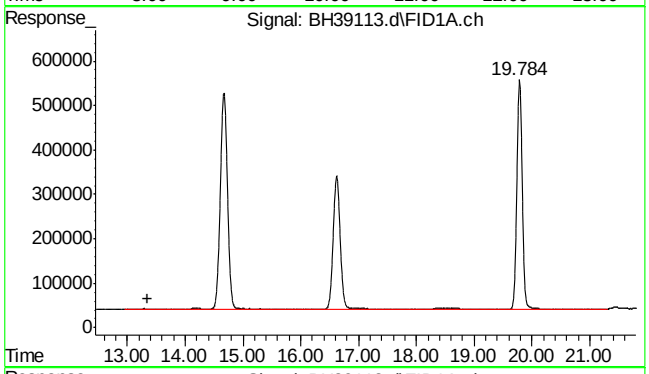
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 1312477
Conc: 1.27 ppb



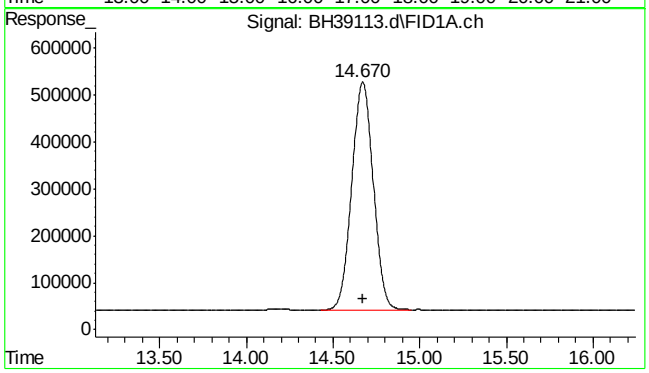
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 4411918
Conc: 4.27 ppb



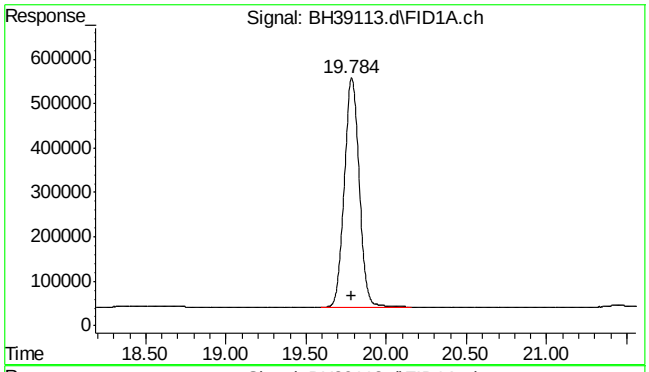
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 29518223
Conc: 28.58 ppb



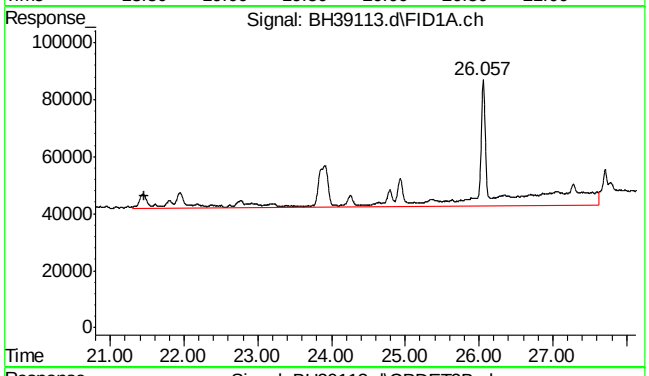
#4 fluorobenzene

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 42015472
Conc: 44.75 ppb m



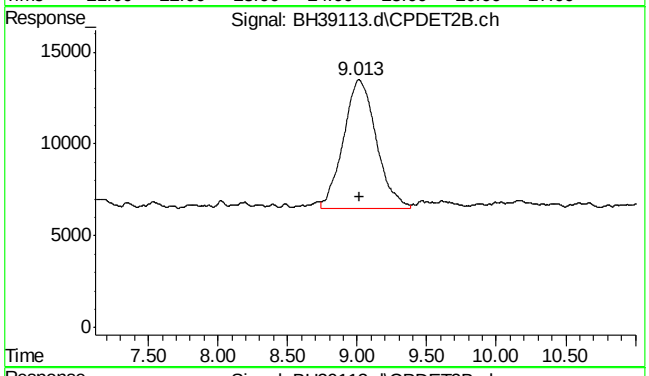
#6 2,3,4-trifluorotoluene

R.T.: 19.786 min
Delta R.T.: 0.000 min
Response: 33360236
Conc: 41.04 ppb



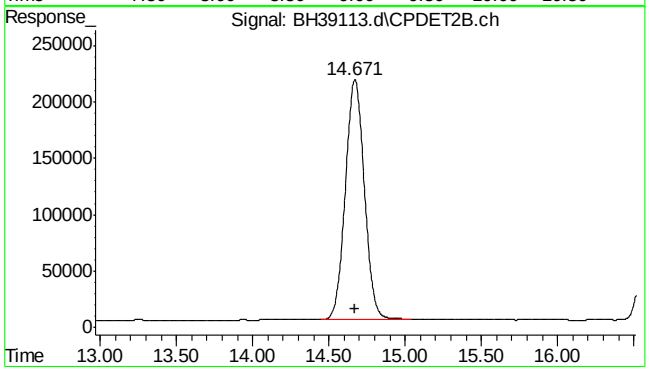
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 10875430
Conc: 9.04 ppb



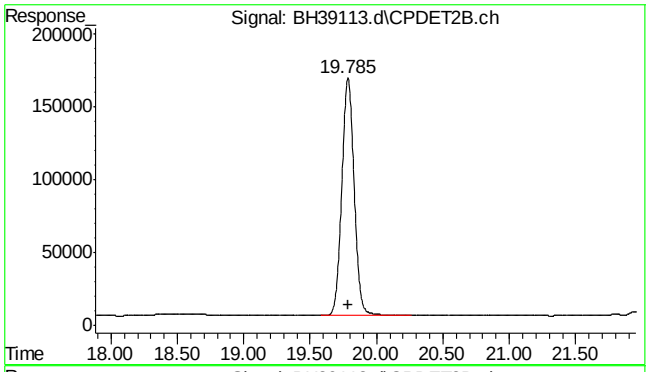
#14 mtbe #2

R.T.: 9.014 min
Delta R.T.: -0.003 min
Response: 1143485
Conc: 4.07 ppb



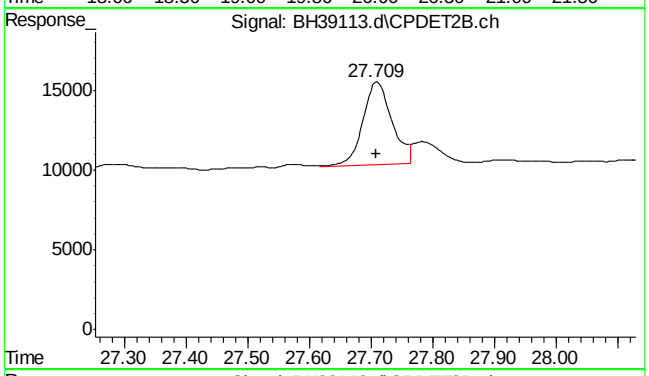
#16 fluorobenzene #2

R.T.: 14.671 min
Delta R.T.: 0.000 min
Response: 18499297
Conc: 45.52 ppb m



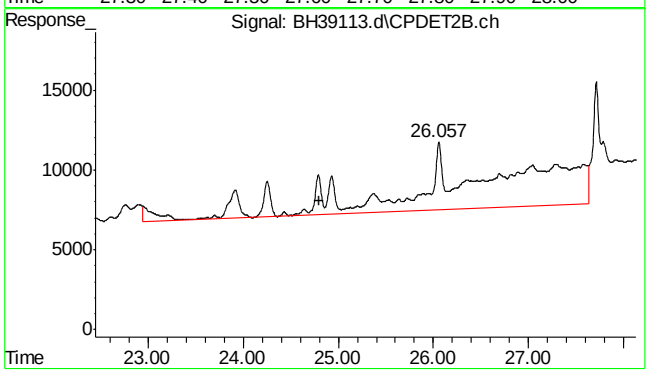
#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 10617312
Conc: 41.80 ppb m



#24 naphthalene #2

R.T.: 27.709 min
Delta R.T.: 0.000 min
Response: 172480
Conc: 0.32 ppb m



#25 c9-c10 arom as 1,2,4-tmb

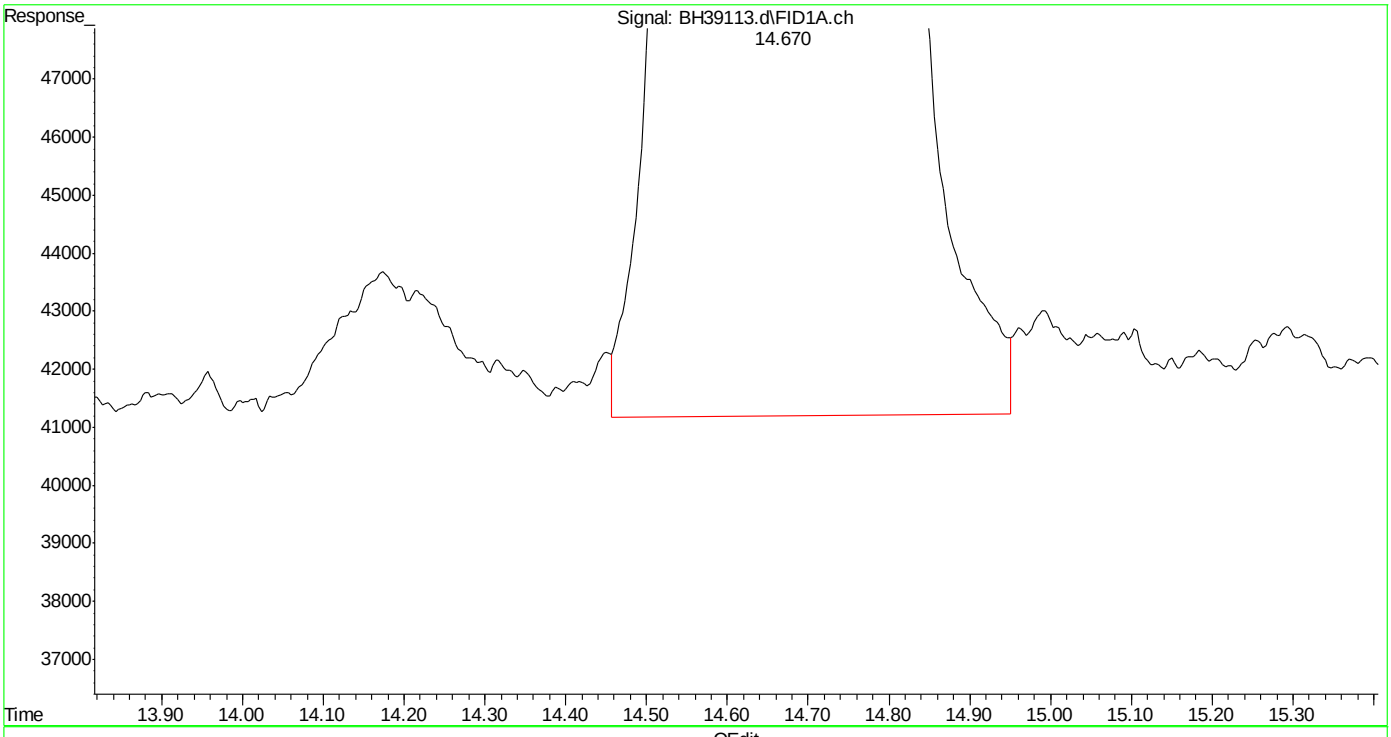
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 2925872
Conc: 4.54 ppb

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:47 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 44.846 ppb
response 42108984

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:12:37 2016

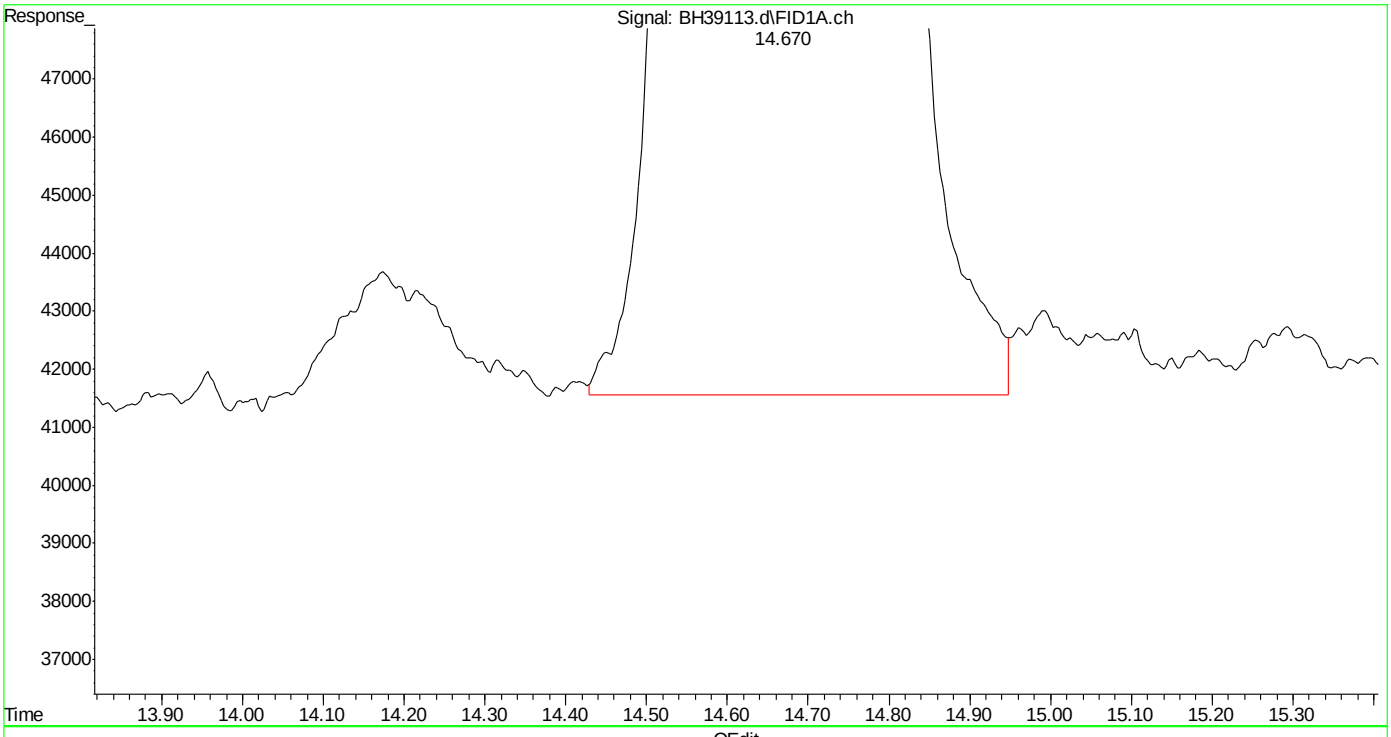
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:47 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 44.746 ppb m
response 42015472

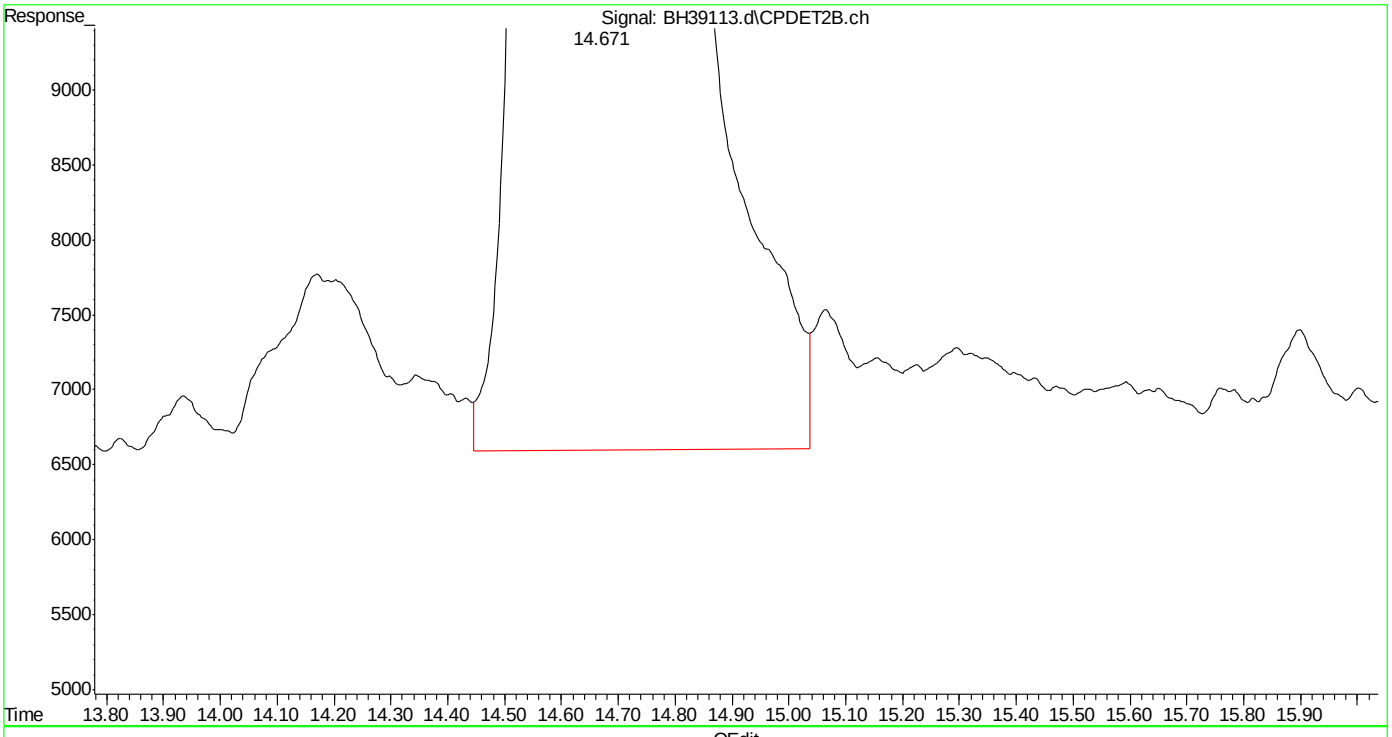
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:12:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:47 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.672min 45.774 ppb
response 18603167

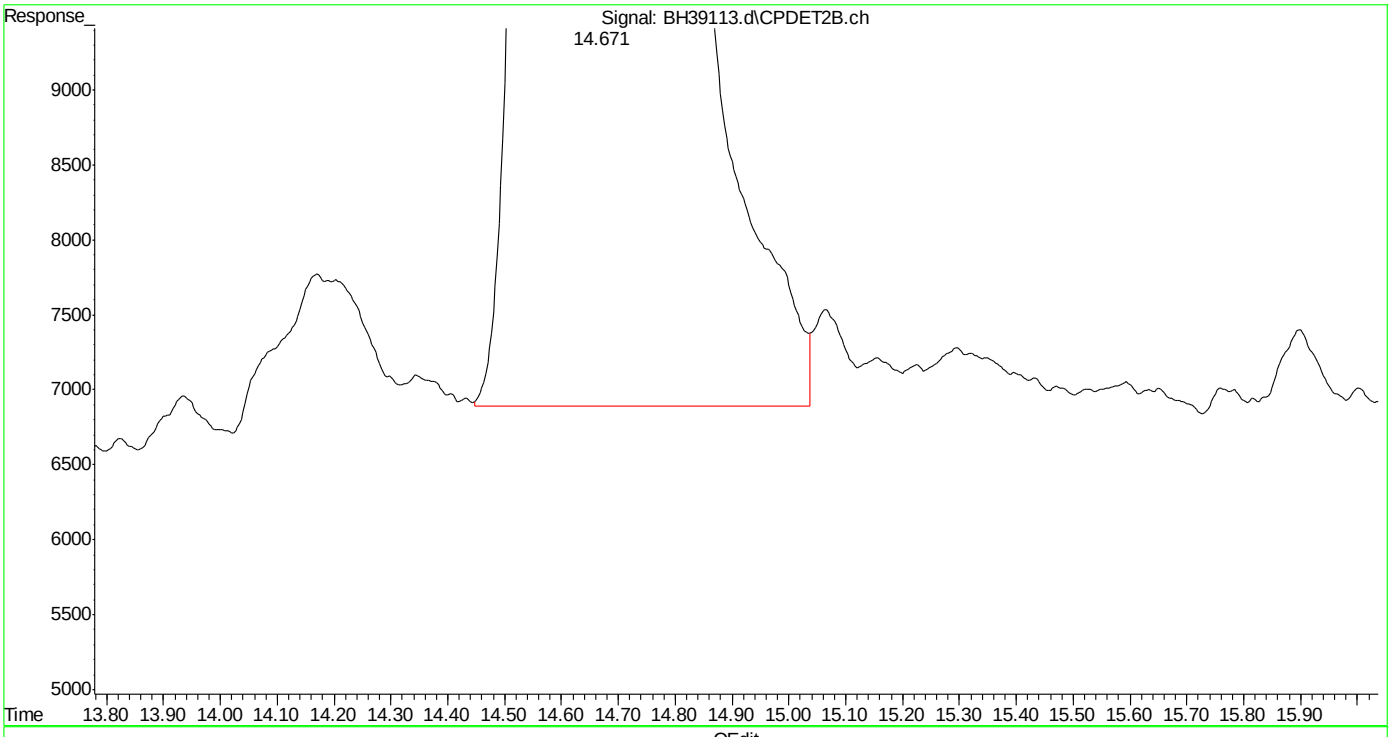
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:13:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:47 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 45.518 ppb m
response 18499297

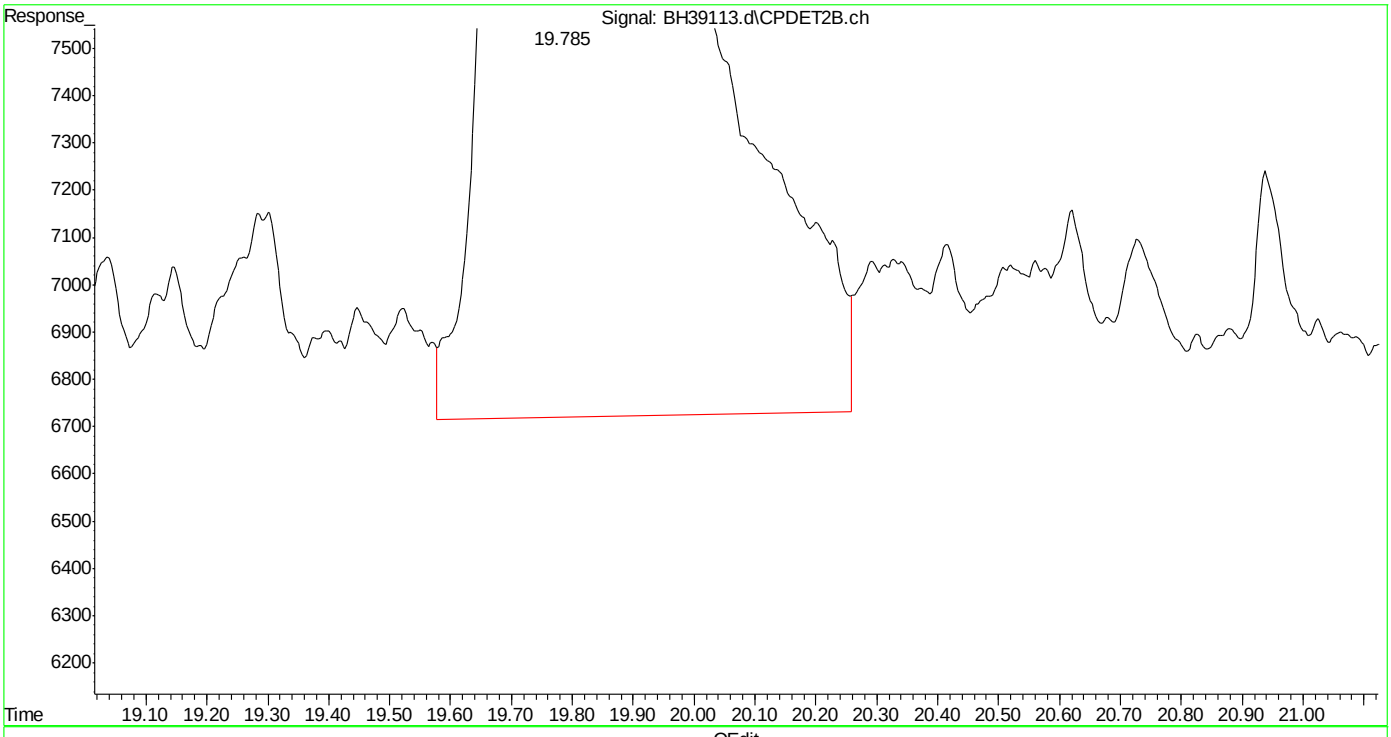
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:13:14 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:47 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 42.027 ppb
response 10673877

(+) = Expected Retention Time

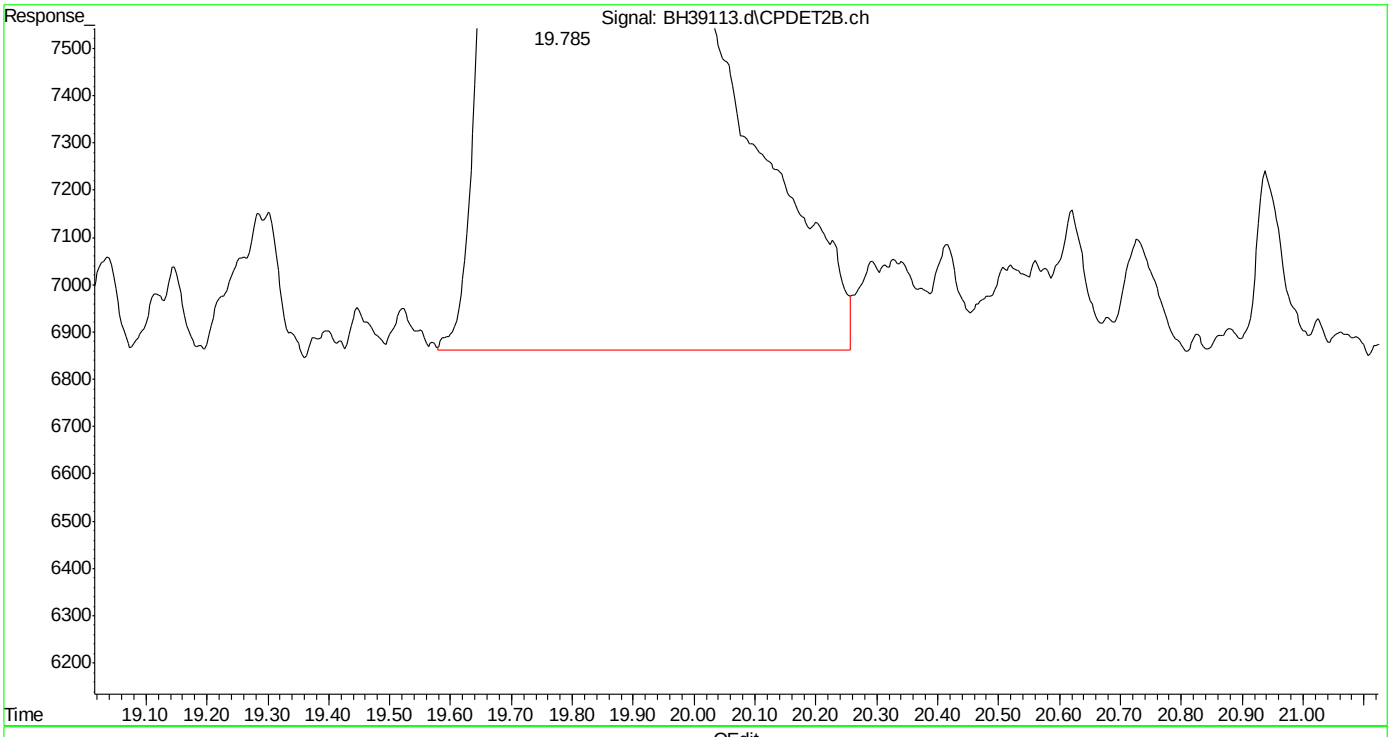
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:47 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 41.804 ppb m
response 10617312

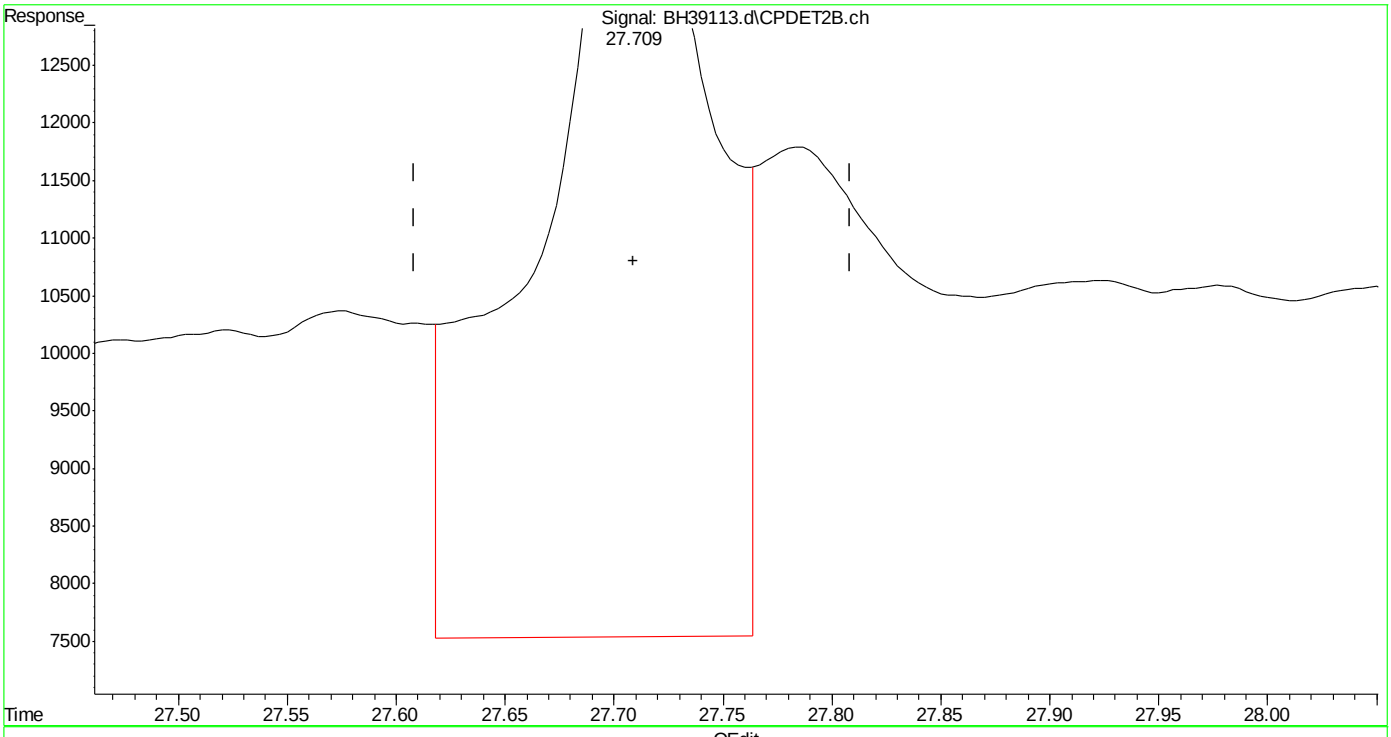
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:47 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 0.755 ppb
response 412599

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:14:00 2016

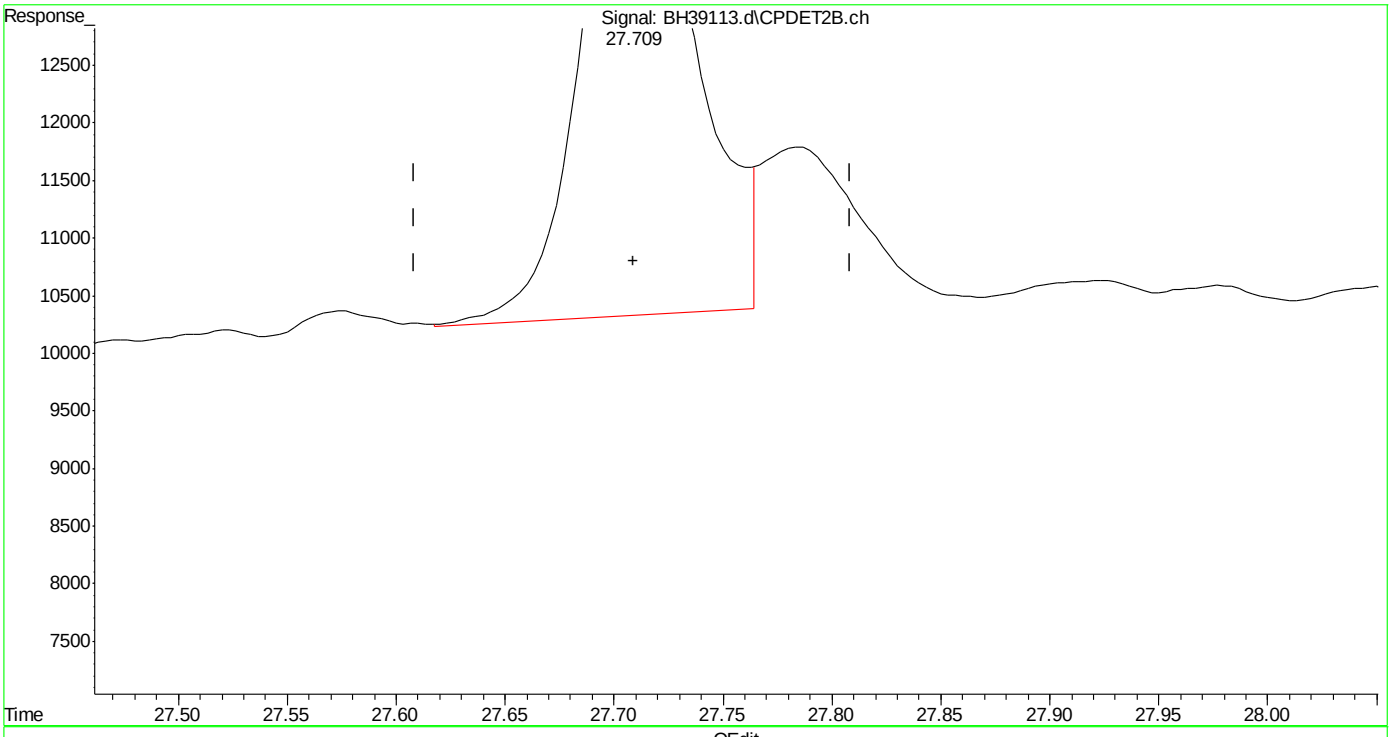
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39113.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:02 pm
Operator : danielf
Sample : mc45754-4,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:47 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.709min 0.315 ppb m
response 172480

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/09/16 11:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:17:15 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.670	42246989	44.993	ppb	m
Spiked Amount 50.000		Recovery = 89.99%			
6) s 2,3,4-trifluorotoluene	19.786	34367390	42.279	ppb	
Spiked Amount 50.000		Recovery = 84.56%			
16) s fluorobenzene #2	14.671	18604223	45.776	ppb	m
Spiked Amount 50.000		Recovery = 91.55%			
18) s 2,3,4-trifluorotoluen...	19.785	10859219	42.756	ppb	m
Spiked Amount 50.000		Recovery = 85.51%			
Target Compounds					
1) h rt5.5-7	5.980	10074681	9.755	ppb	
2) h rt7/10	8.250	12748491	12.344	ppb	
3) h rt10/13	13.360	67760250	65.611	ppb	
8) h rt20/25	21.460	63935006	53.157	ppb	m
14) t mtbe #2	9.025	3673159	13.062	ppb	m
15) t benzene #2	14.171	288099	0.438	ppb	m
17) t toluene #2	18.665	332543	0.539	ppb	m
20) t m,p-xylene #2	21.947	610844	0.916	ppb	
21) t o-xylene #2	22.755	195474	0.336	ppb	m
24) t naphthalene #2	27.784f	821716	1.503	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	19335849	30.023	ppb	m

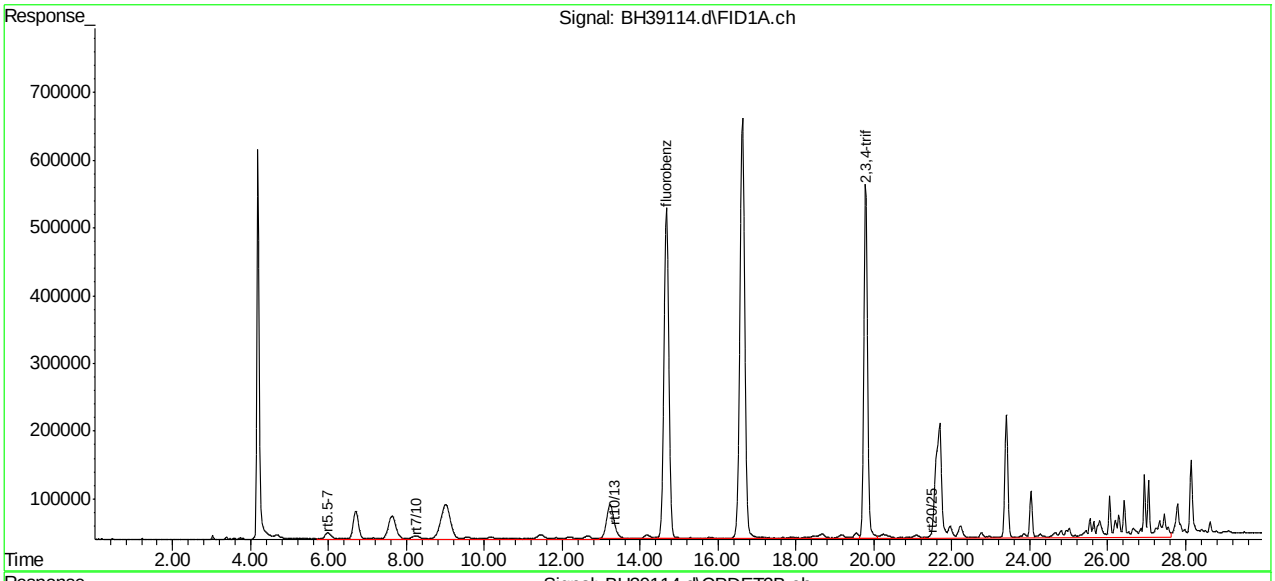
(f)=RT Delta > 1/2 Window (m)=manual int.

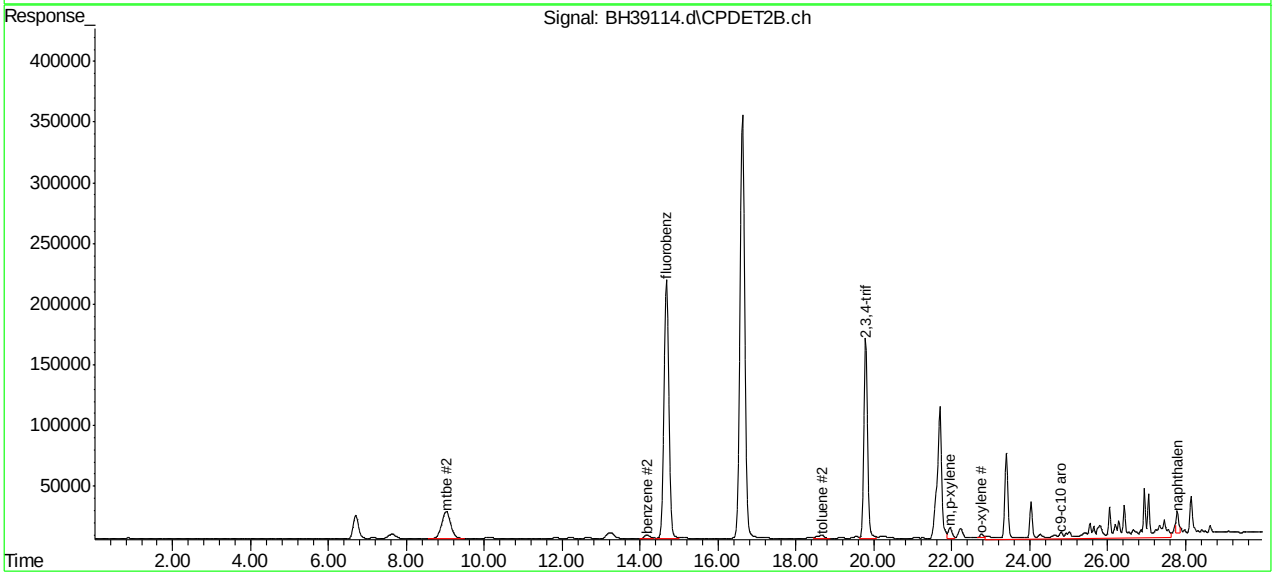
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

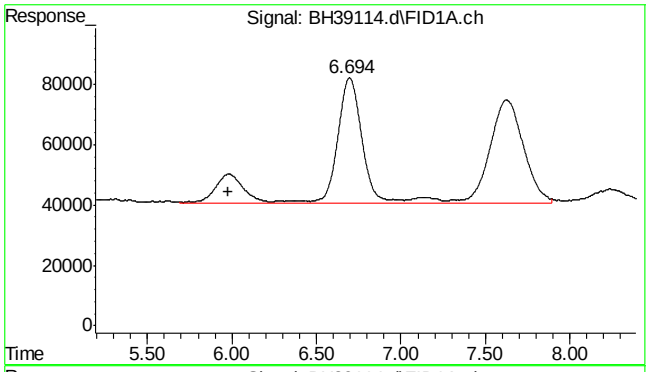
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:17:15 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



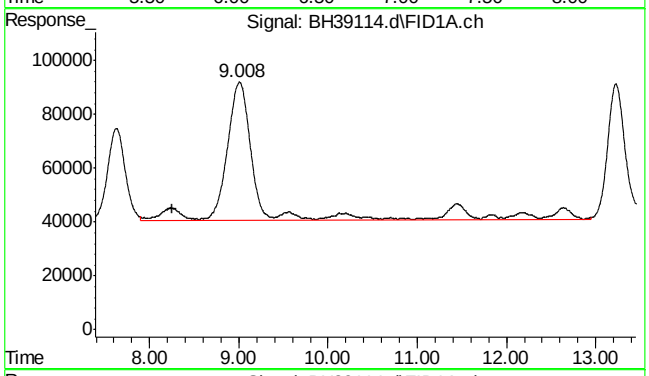


SGS ACCUTEST MC45754



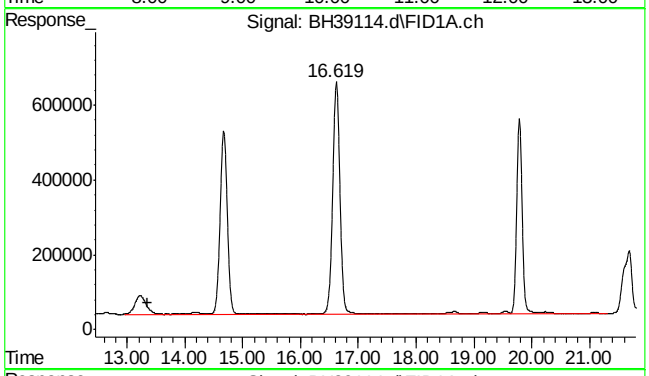
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 10074681
Conc: 9.76 ppb



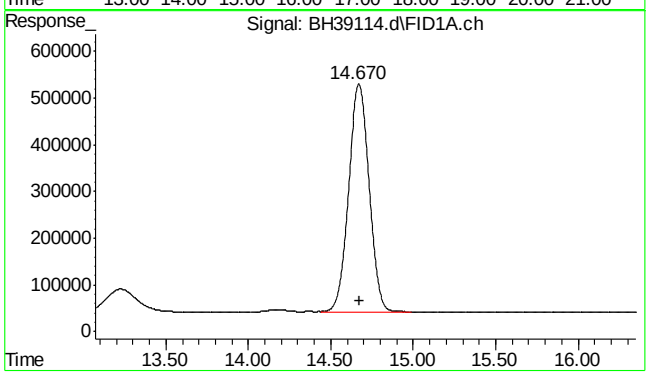
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 12748491
Conc: 12.34 ppb



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 67760250
Conc: 65.61 ppb



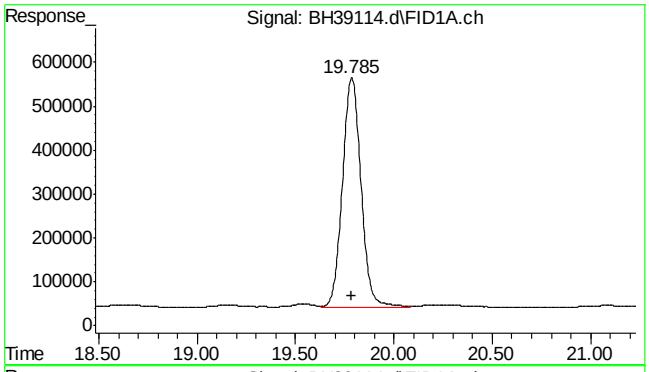
#4 fluorobenzene

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 42246989
Conc: 44.99 ppb m

7.1.5

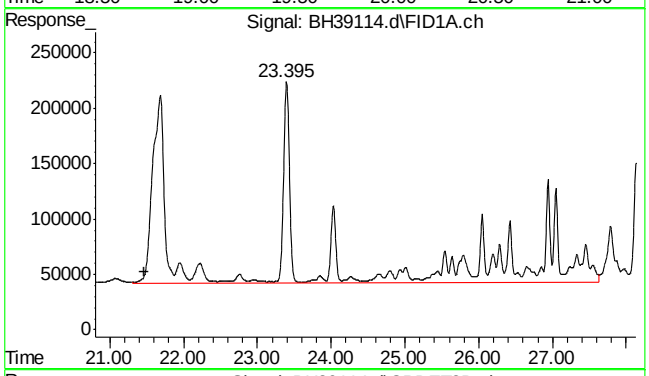
7

SGS ACCUTEST MC45754



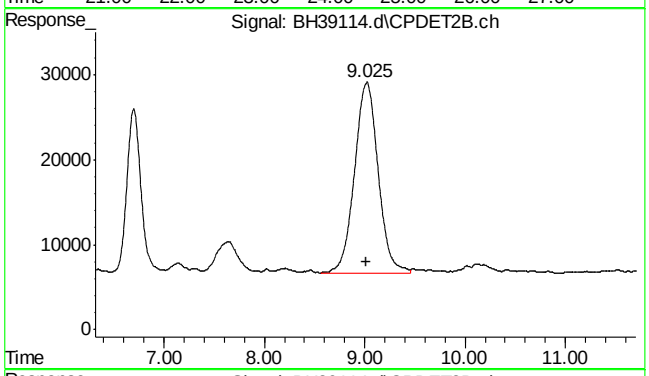
#6 2,3,4-trifluorotoluene

R.T.: 19.786 min
Delta R.T.: 0.000 min
Response: 34367390
Conc: 42.28 ppb



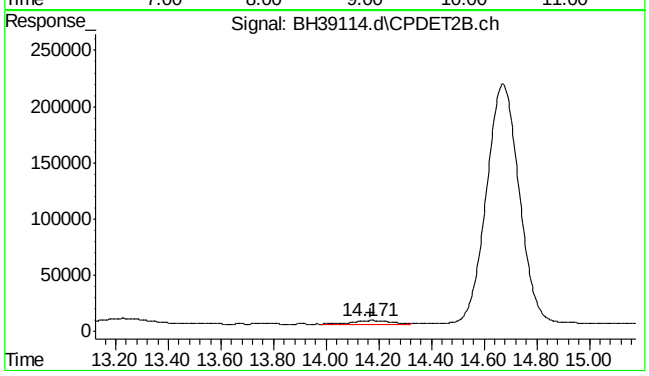
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 63935006
Conc: 53.16 ppb m



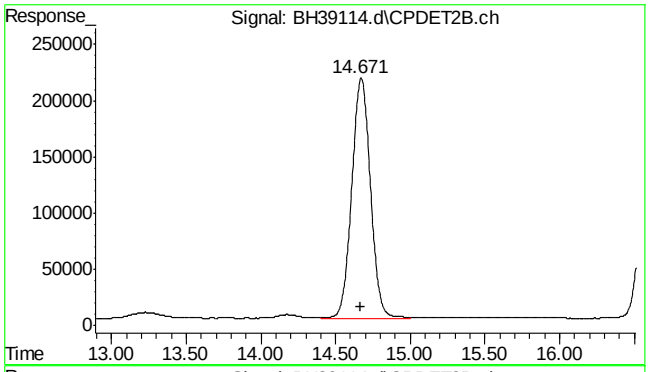
#14 mtbe #2

R.T.: 9.025 min
Delta R.T.: 0.009 min
Response: 3673159
Conc: 13.06 ppb m



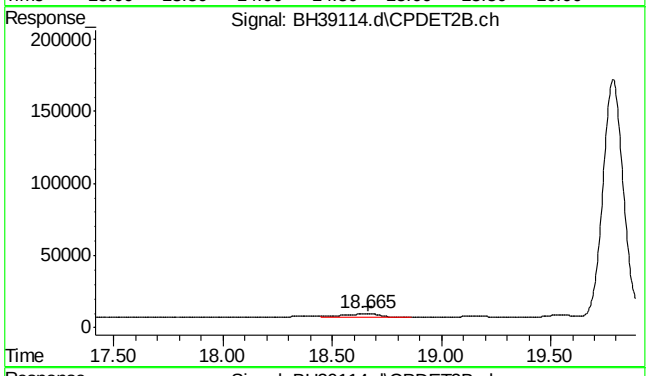
#15 benzene #2

R.T.: 14.171 min
Delta R.T.: 0.002 min
Response: 288099
Conc: 0.44 ppb m



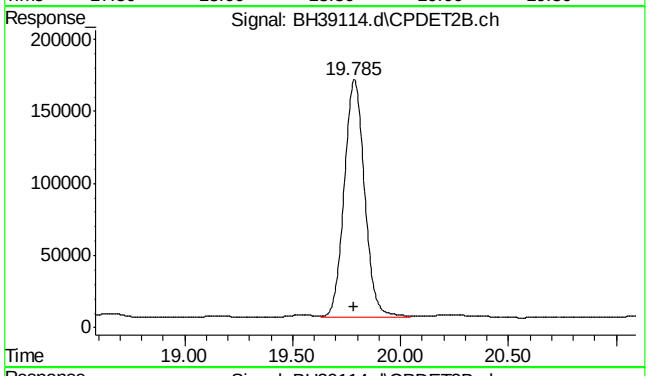
#16 fluorobenzene #2

R.T.: 14.671 min
Delta R.T.: 0.000 min
Response: 18604223
Conc: 45.78 ppb m



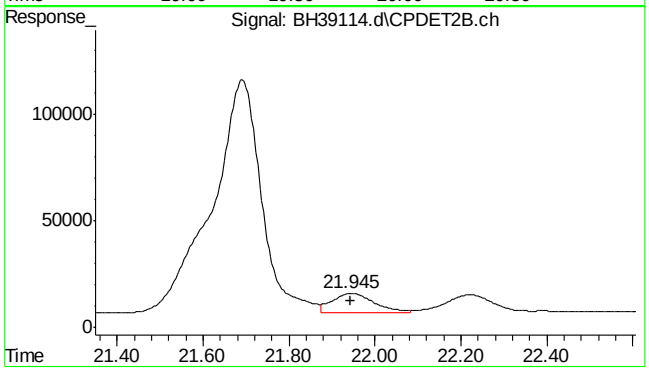
#17 toluene #2

R.T.: 18.665 min
Delta R.T.: 0.000 min
Response: 332543
Conc: 0.54 ppb m



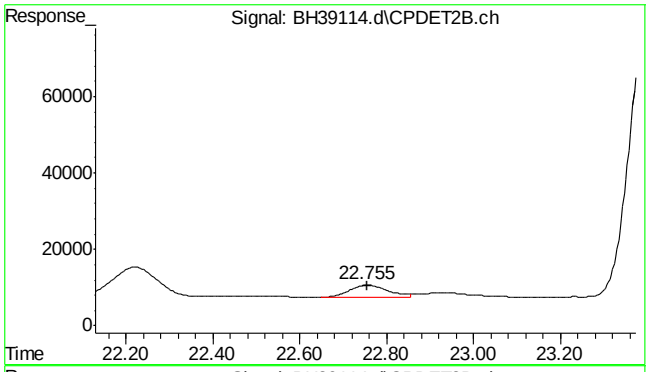
#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 10859219
Conc: 42.76 ppb m



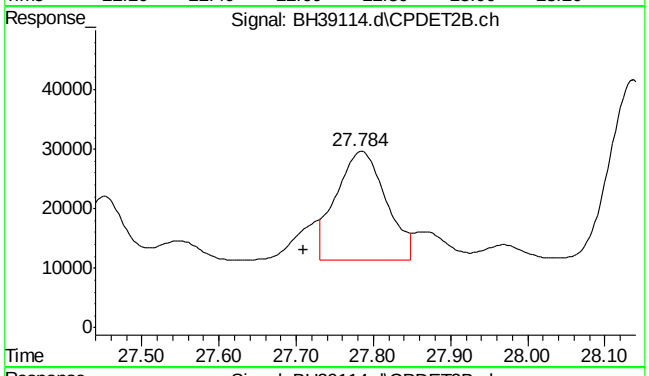
#20 m,p-xylene #2

R.T.: 21.947 min
Delta R.T.: 0.003 min
Response: 610844
Conc: 0.92 ppb



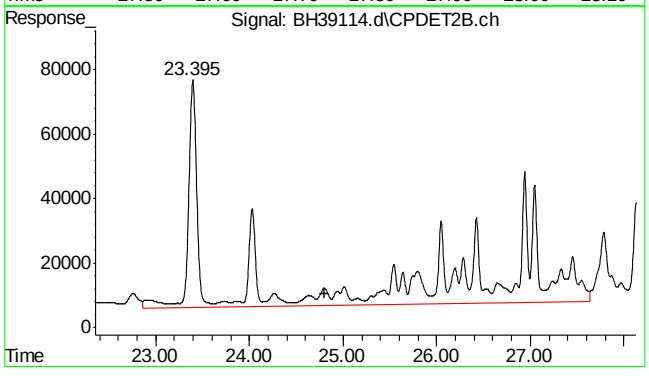
#21 o-xylene #2

R.T.: 22.755 min
Delta R.T.: 0.000 min
Response: 195474
Conc: 0.34 ppb m



#24 naphthalene #2

R.T.: 27.784 min
Delta R.T.: 0.075 min
Response: 821716
Conc: 1.50 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 19335849
Conc: 30.02 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(4) fluorobenzene (s)
14.672min 45.169 ppb
response 42412928

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:14:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(4) fluorobenzene (s)
14.670min 44.993 ppb m
response 42246989

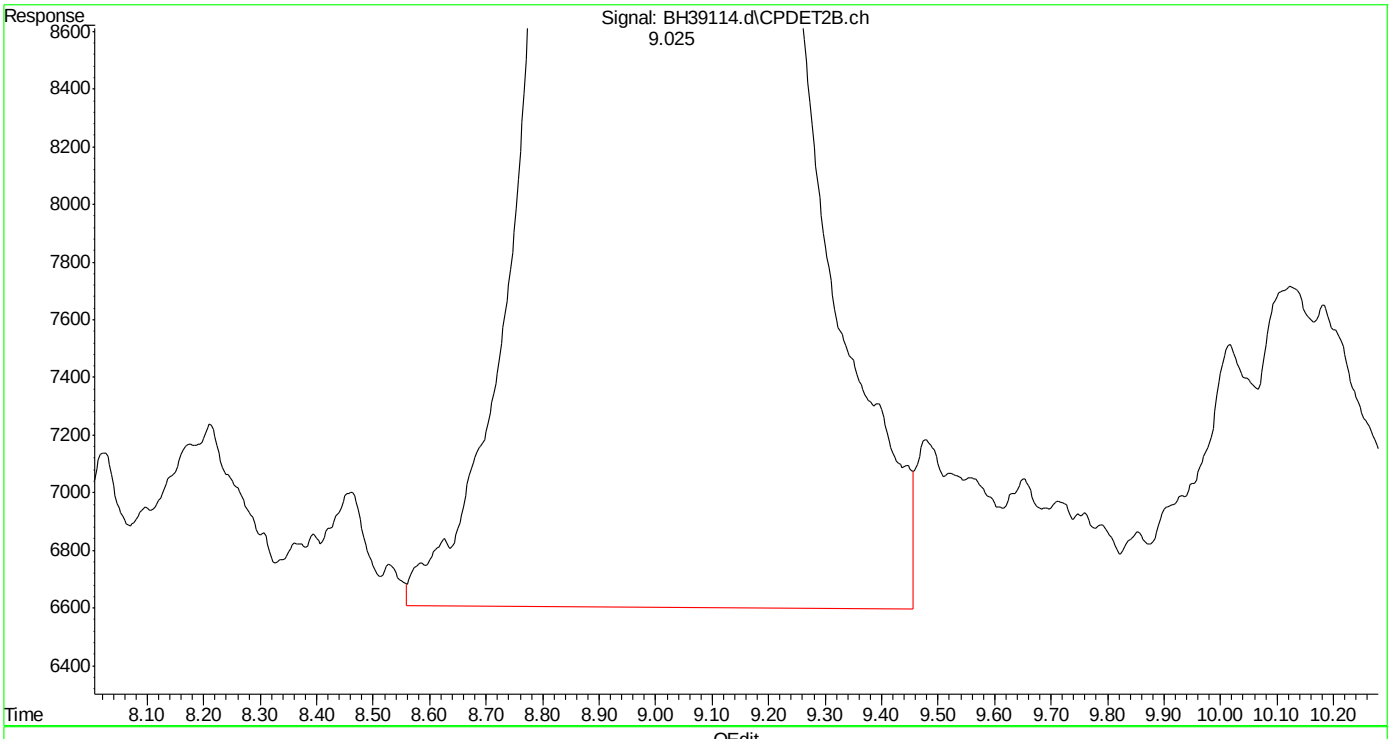
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:14:34 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.025min 13.211 ppb
response 3714983

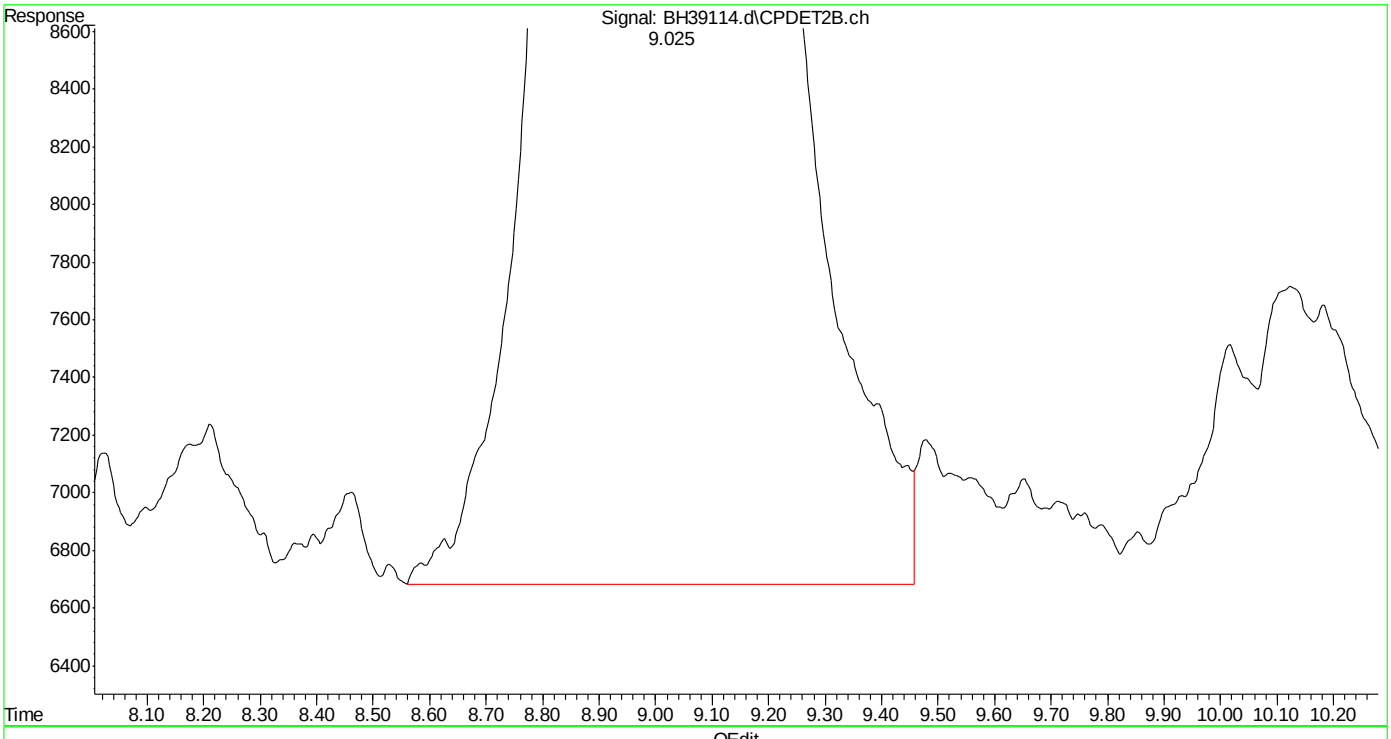
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:15:12 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.025min 13.062 ppb m
response 3673159

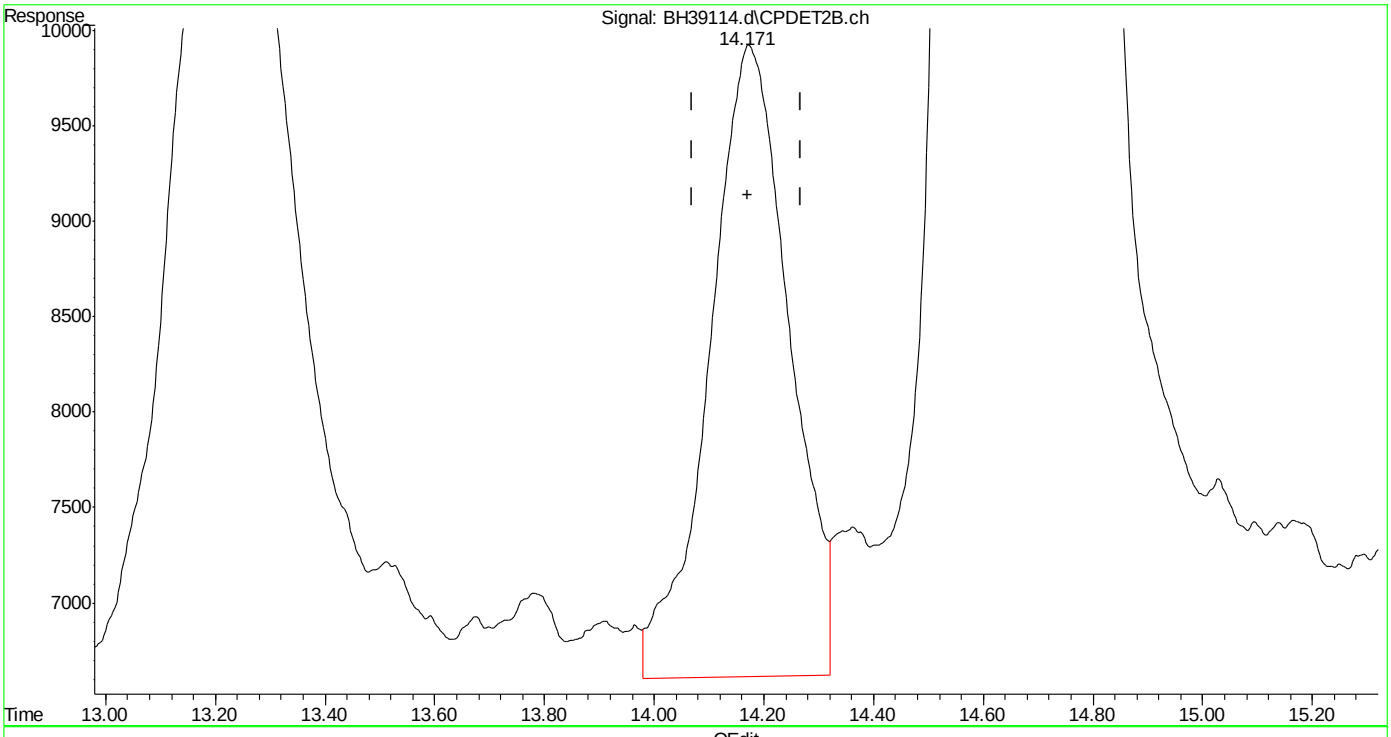
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:15:20 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.174min 0.509 ppb
response 334505

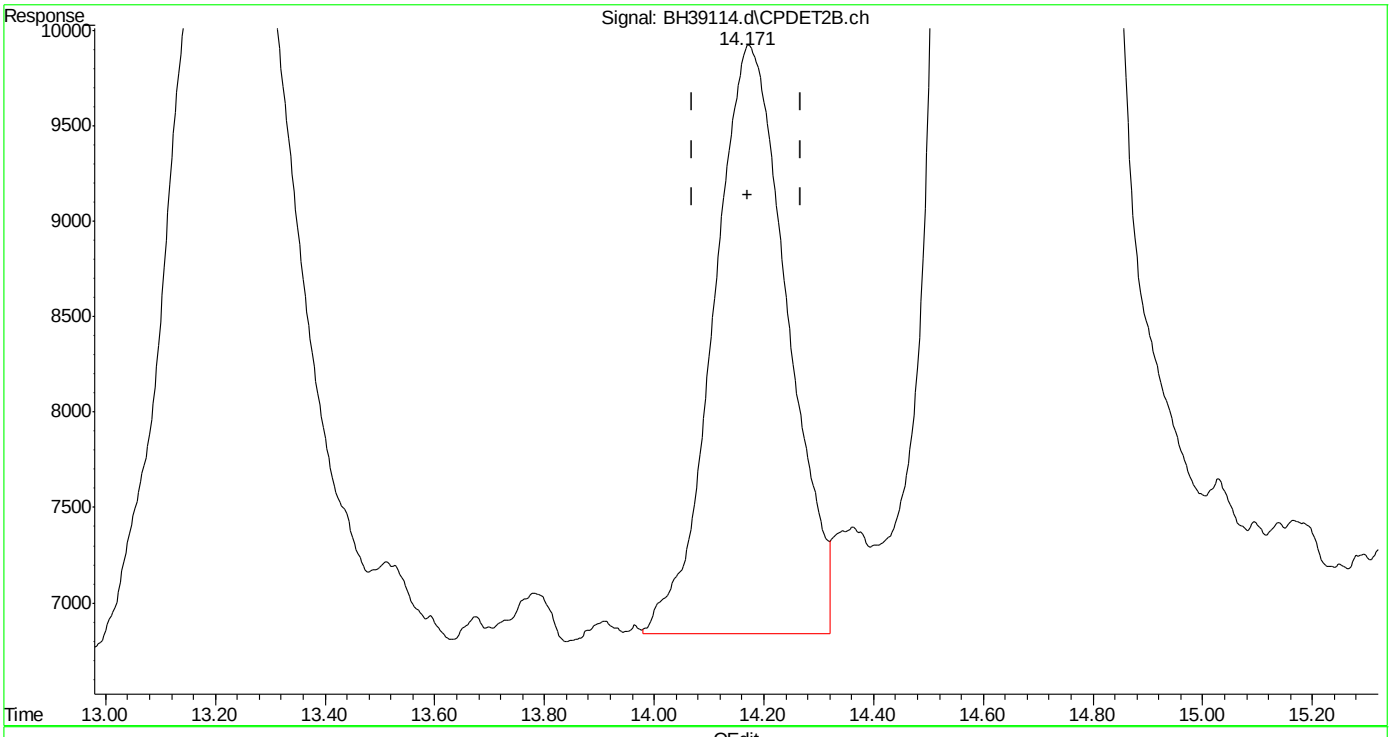
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:15:23 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.171min 0.438 ppb m
response 288099

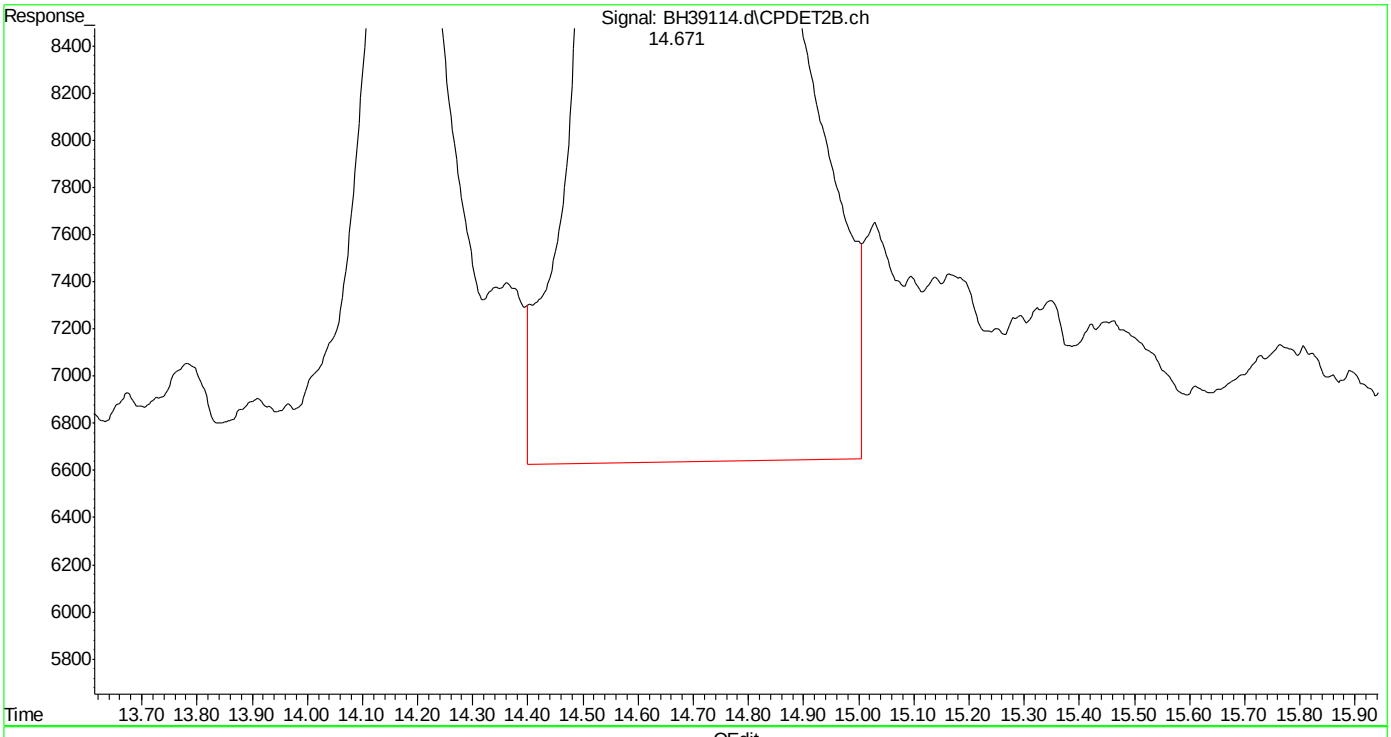
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:15:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.672min 45.960 ppb
response 18678937

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:15:38 2016

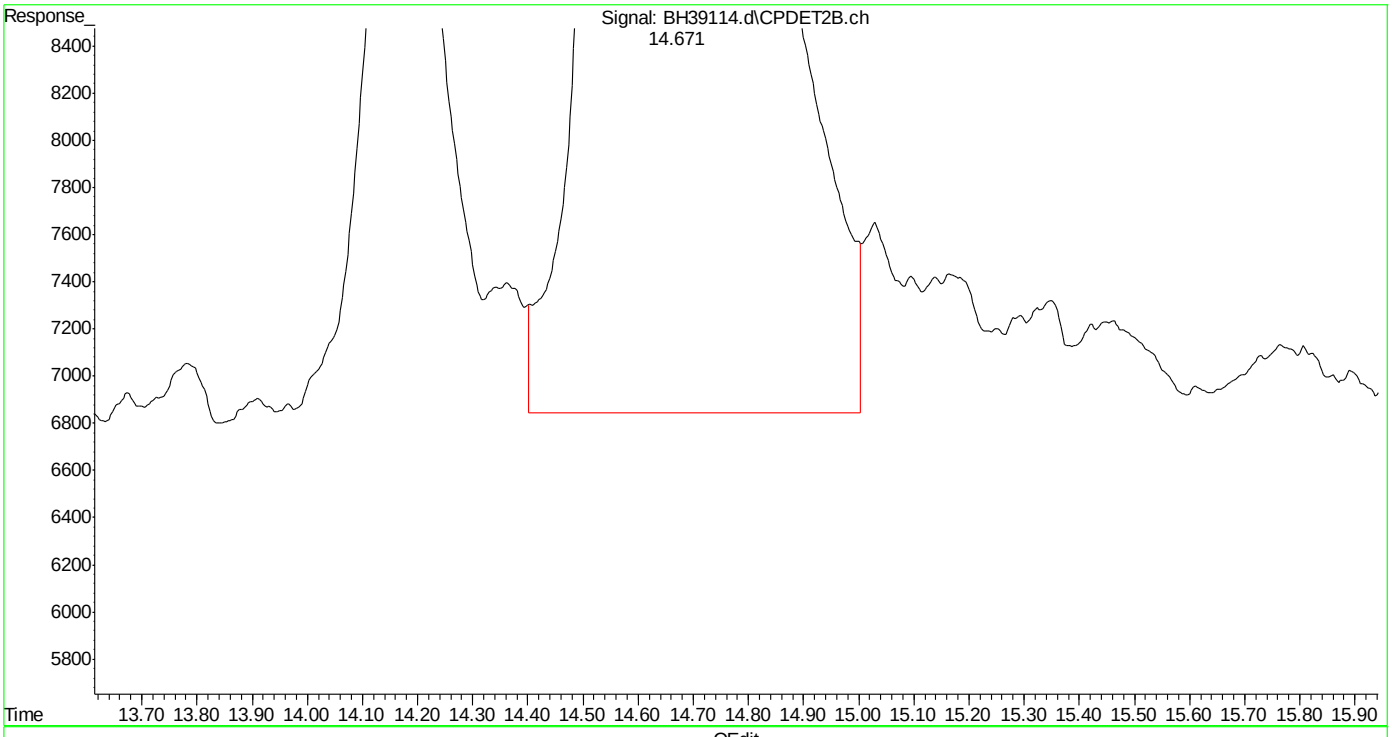
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 45.776 ppb m
response 18604223

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:15:44 2016

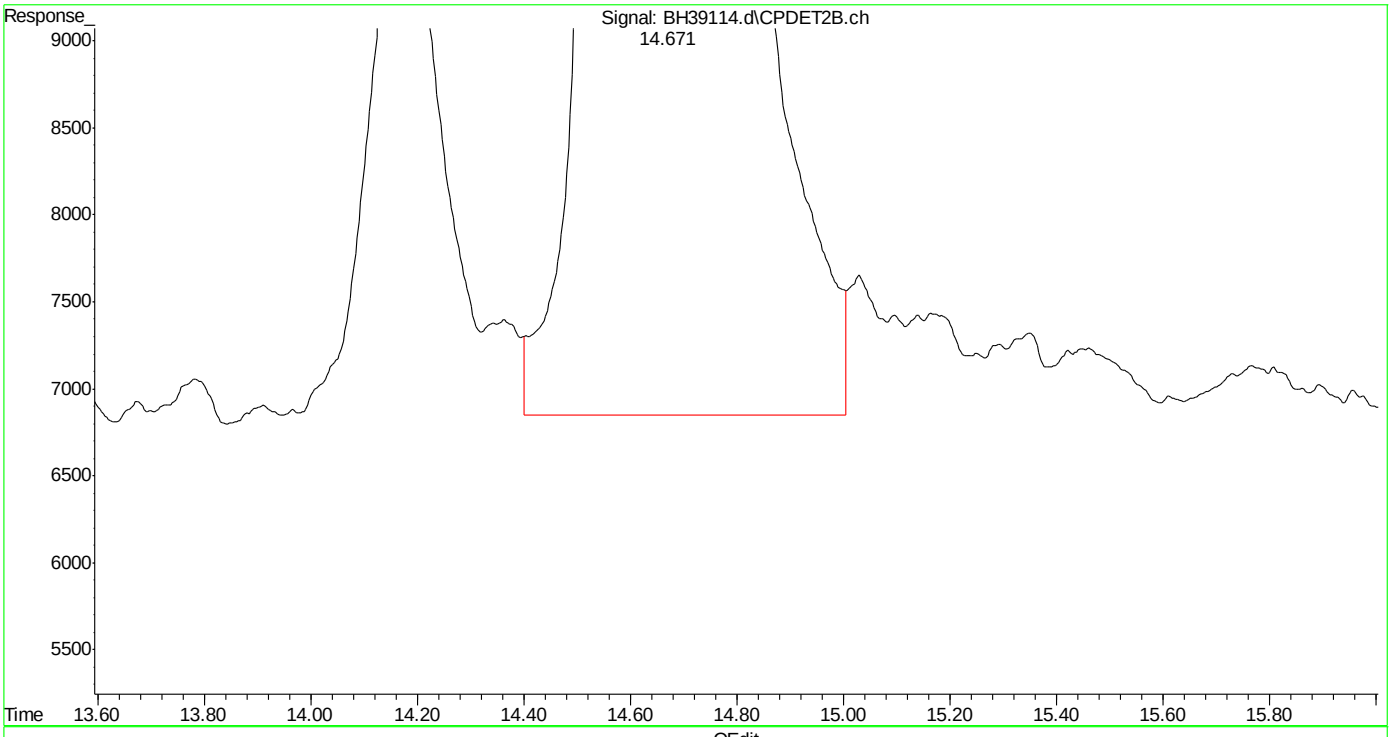
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 45.776 ppb m
response 18604223

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:15:57 2016

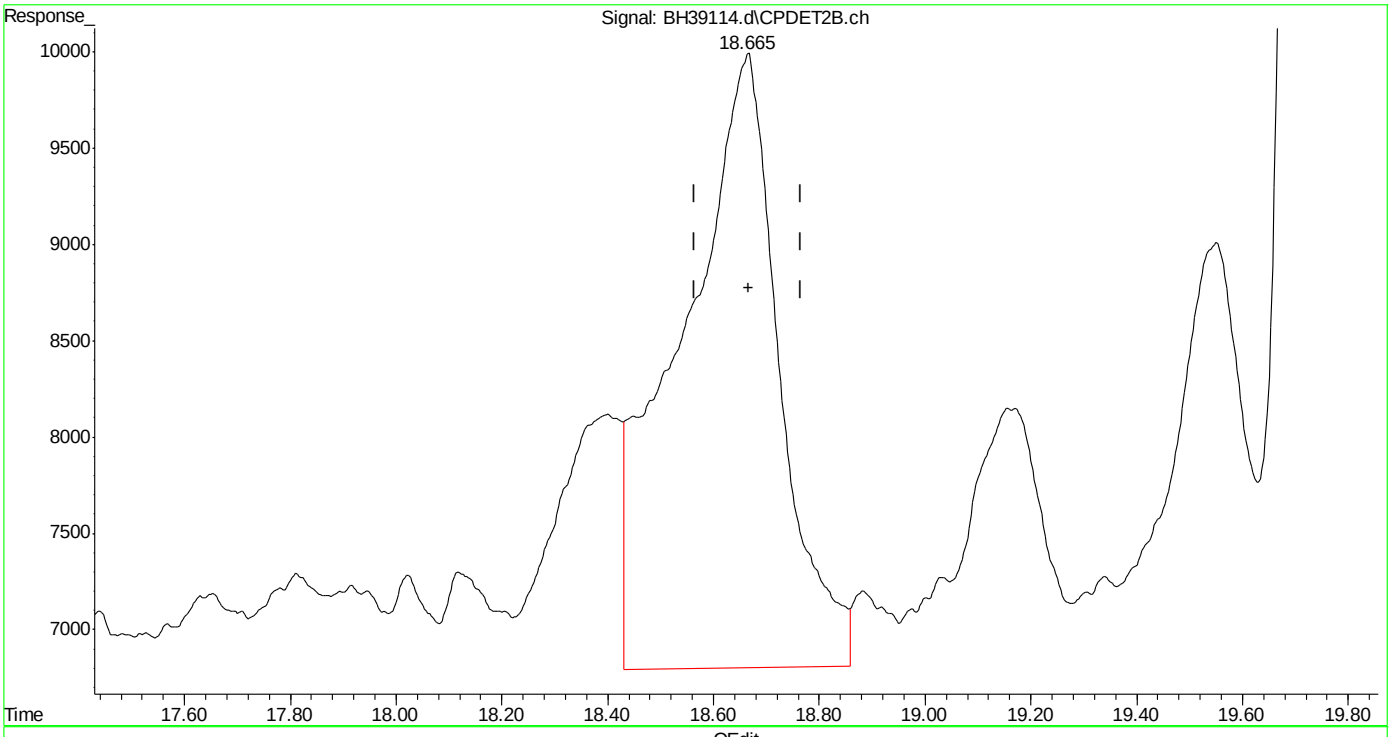
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 0.670 ppb
response 413076

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:16:00 2016

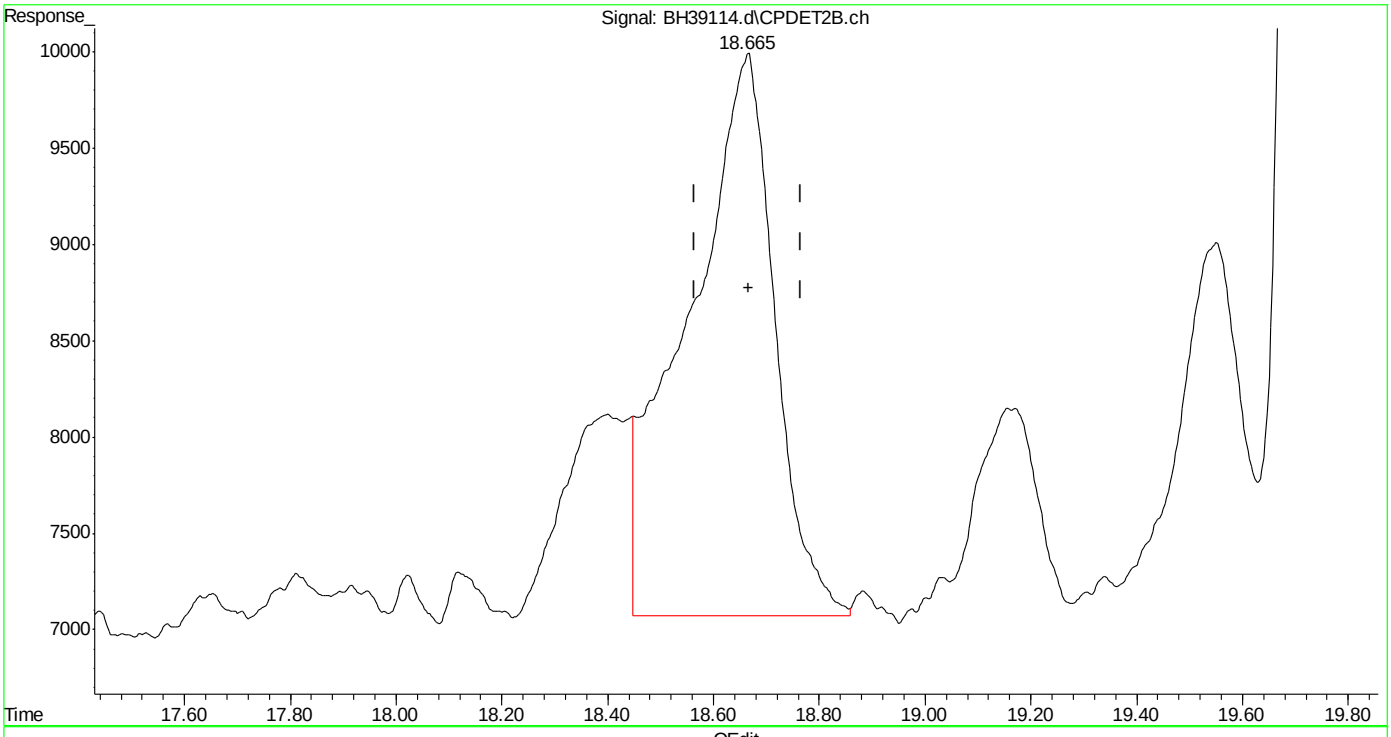
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 0.539 ppb m
response 332543

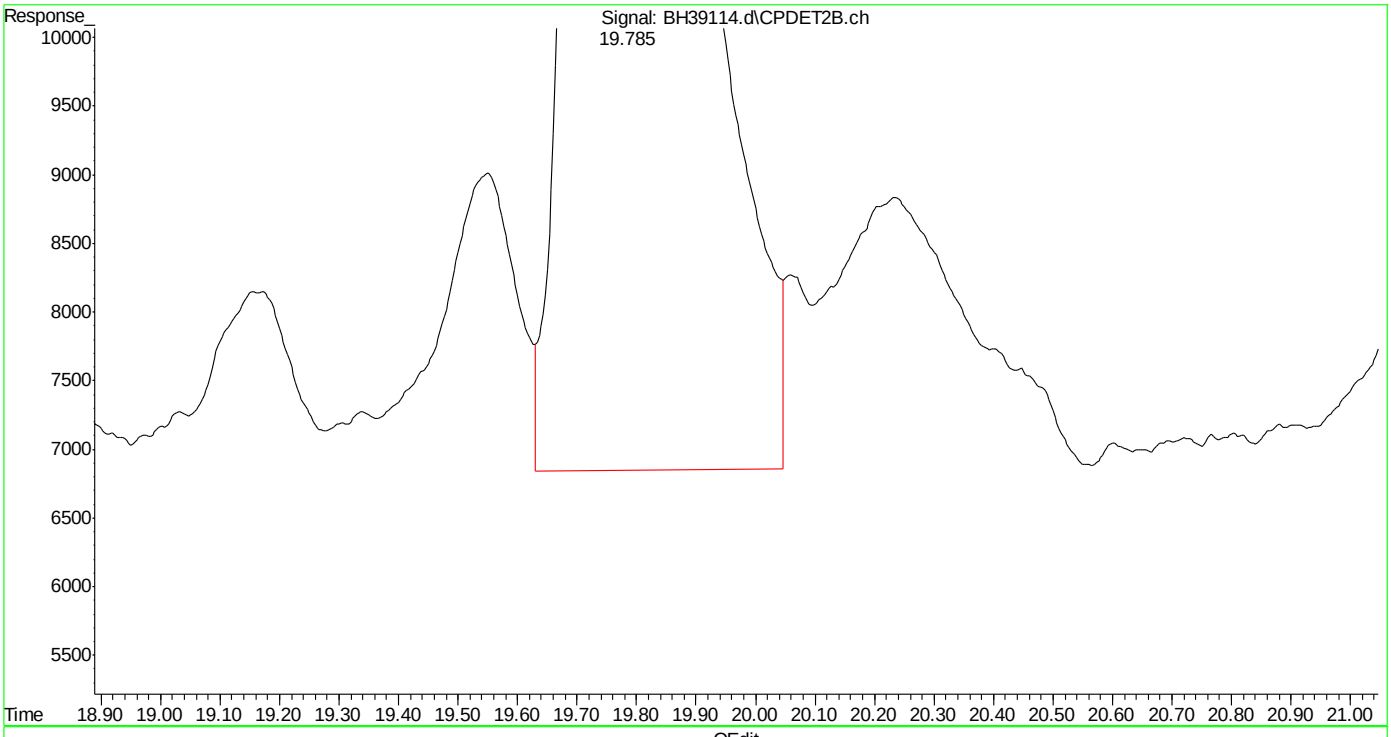
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:16:06 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 43.025 ppb
response 10927415

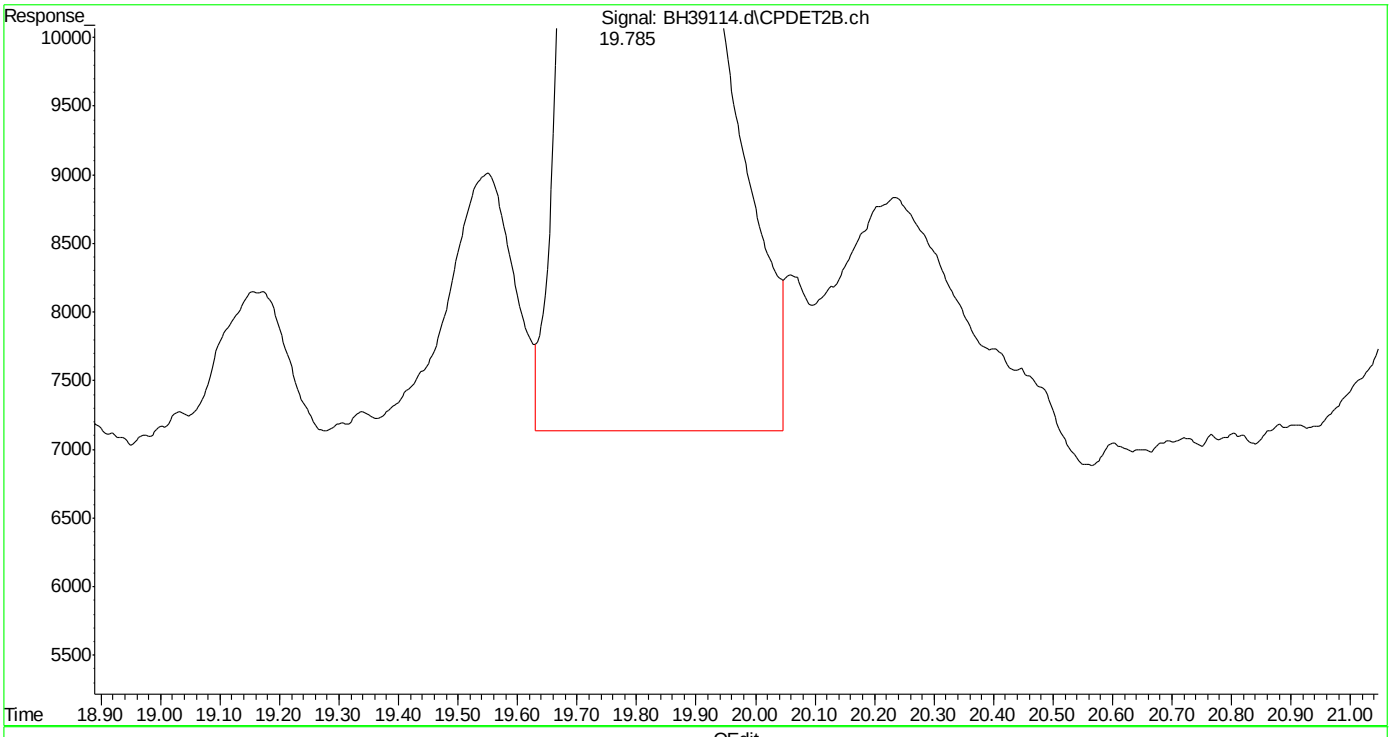
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:16:11 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 42.756 ppb m
response 10859219

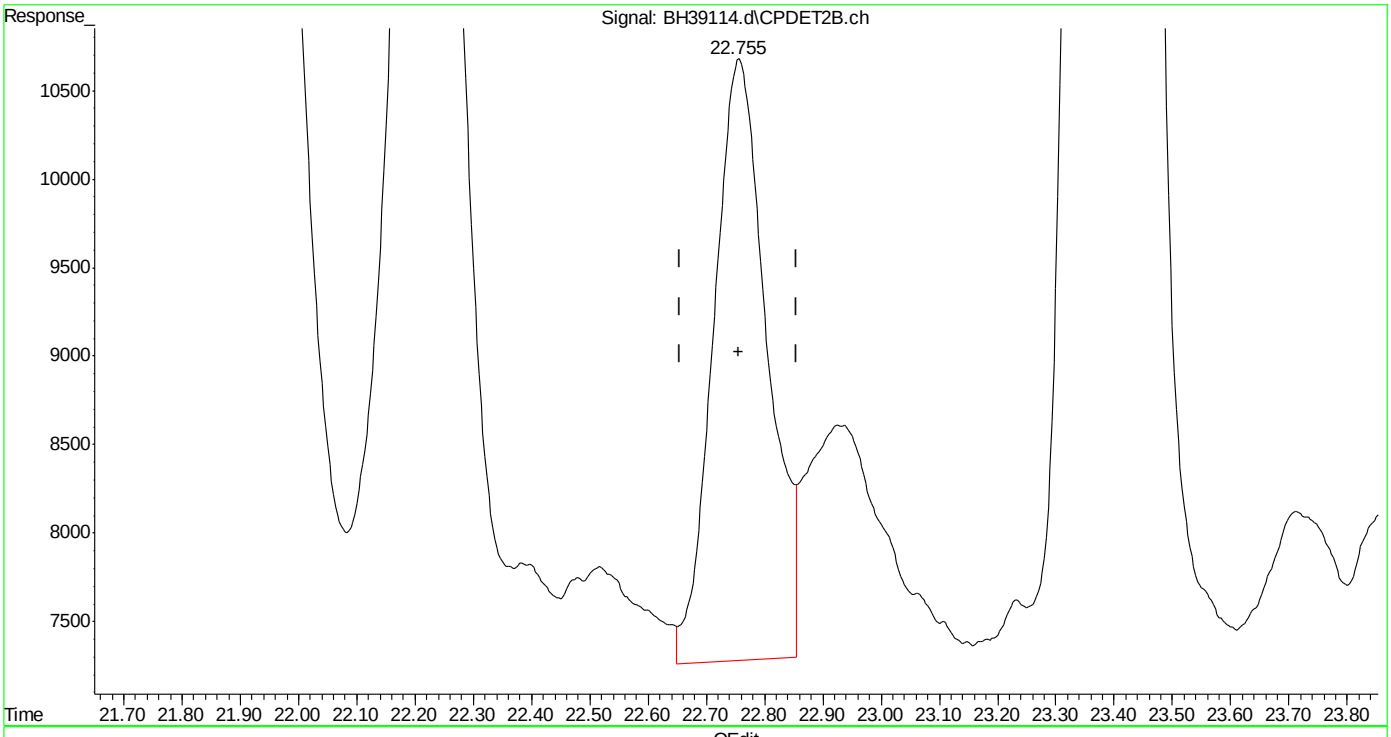
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:16:17 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.757min 0.374 ppb
response 217730

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:16:27 2016

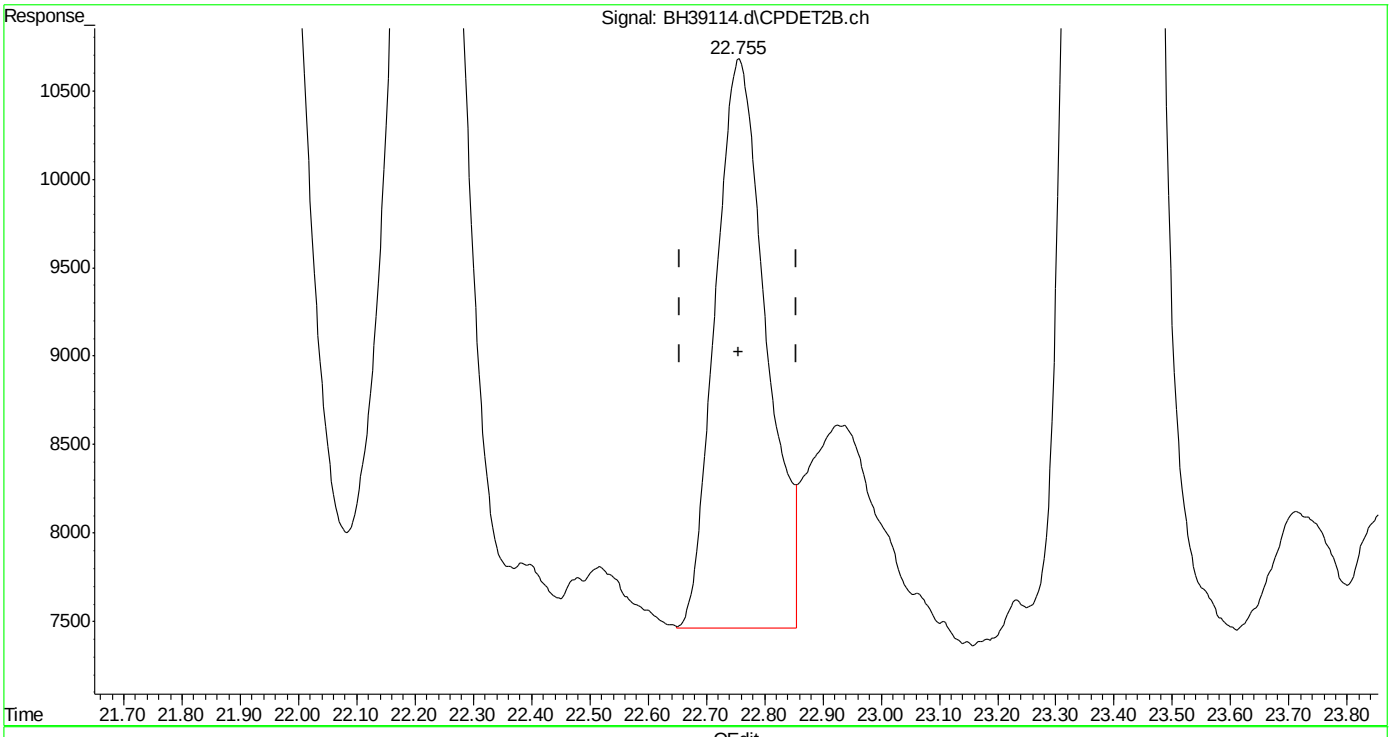
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.755min 0.336 ppb m
response 195474

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:16:34 2016

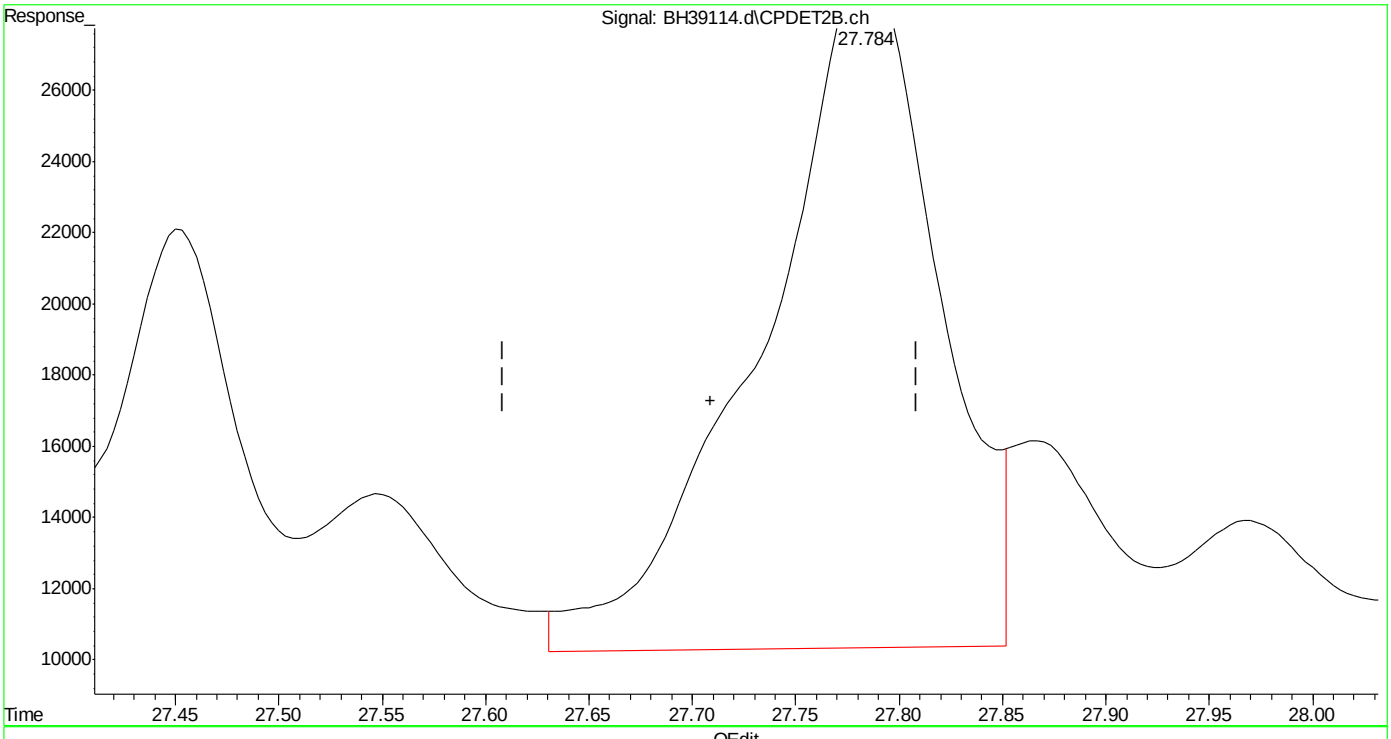
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.785min 2.026 ppb
response 1107465

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:16:45 2016

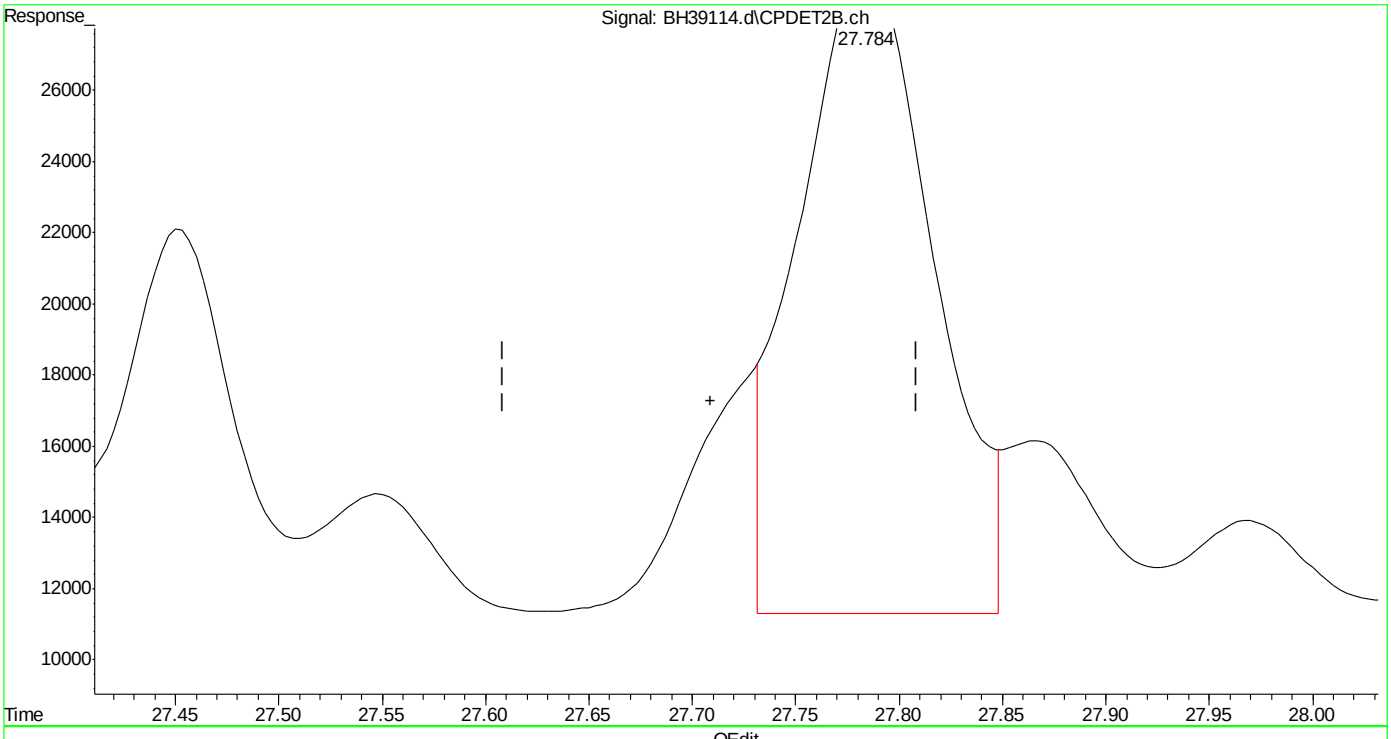
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 4:37 pm
Operator : danielf
Sample : mc45754-5,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.784min 1.503 ppb m
response 821716

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:16:53 2016

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/09/16 11:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:20:44 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.670	42569997	45.337	ppb	m
Spiked Amount 50.000		Recovery = 90.67%			
6) s 2,3,4-trifluorotoluene	19.786	35499171	43.671	ppb	
Spiked Amount 50.000		Recovery = 87.34%			
16) s fluorobenzene #2	14.672	18827116	46.325	ppb	
Spiked Amount 50.000		Recovery = 92.65%			
18) s 2,3,4-trifluorotoluen...	19.786	11256814	44.322	ppb	
Spiked Amount 50.000		Recovery = 88.64%			
Target Compounds					
1) h rt5.5-7	5.980	5659901	5.480	ppb	
2) h rt7/10	8.250	7155742	6.929	ppb	
3) h rt10/13	13.360	32920769	31.877	ppb	
8) h rt20/25	21.460	124356259	103.392	ppb	
14) t mtbe #2	9.019	2010896	7.151	ppb	
15) t benzene #2	14.174	349638	0.532	ppb	
17) t toluene #2	18.663	340943	0.553	ppb	m
24) t naphthalene #2	27.785f	2397227	4.385	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	43997533	68.315	ppb	m

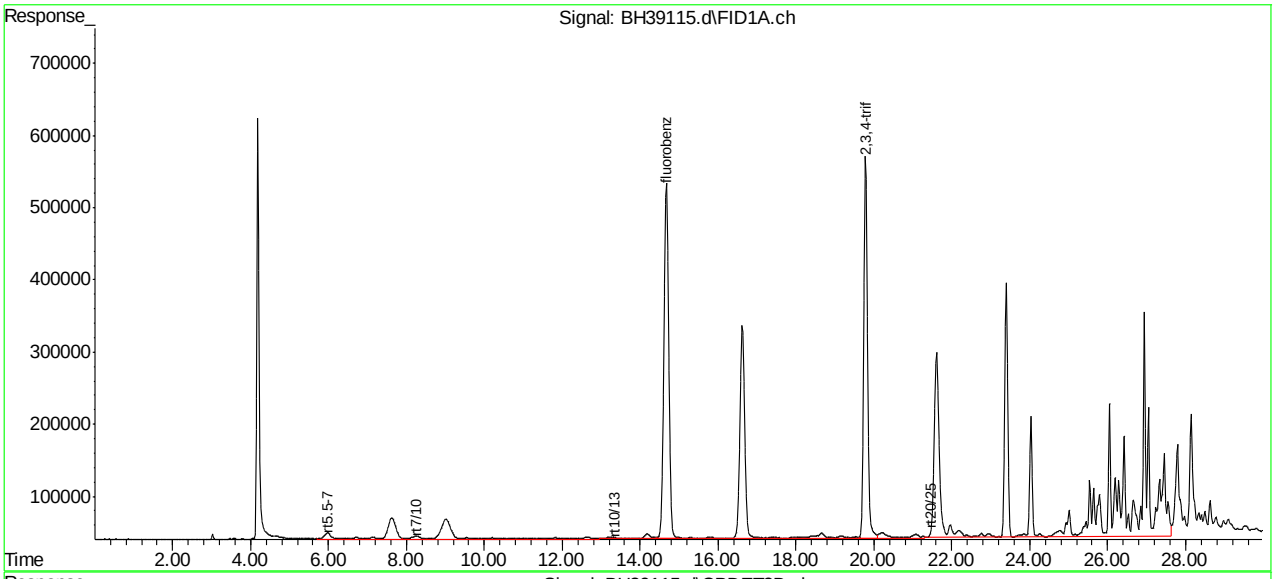
(f)=RT Delta > 1/2 Window (m)=manual int.

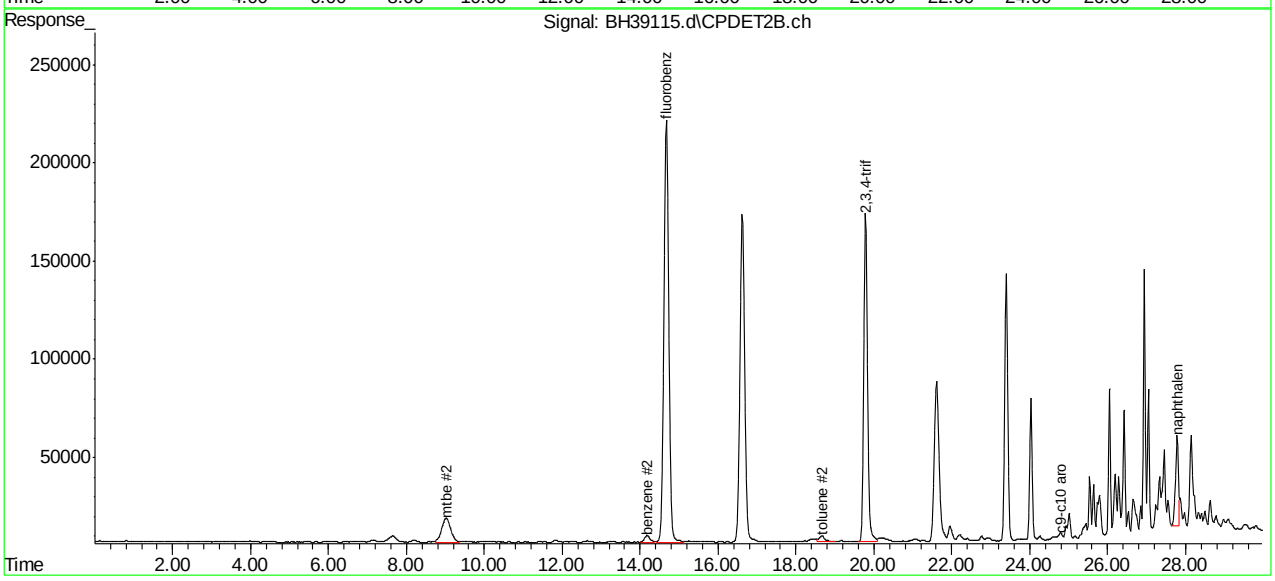
Quantitation Report (QT Reviewed)

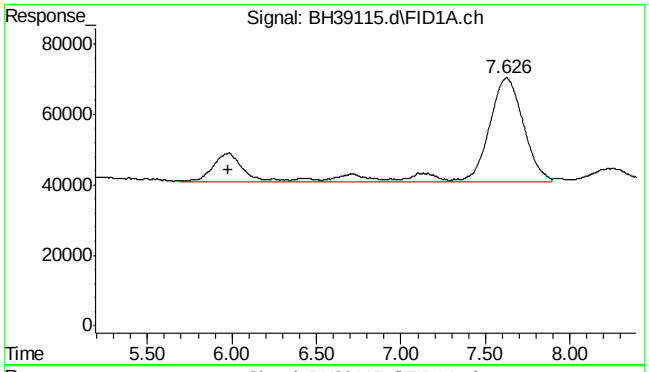
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:20:44 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

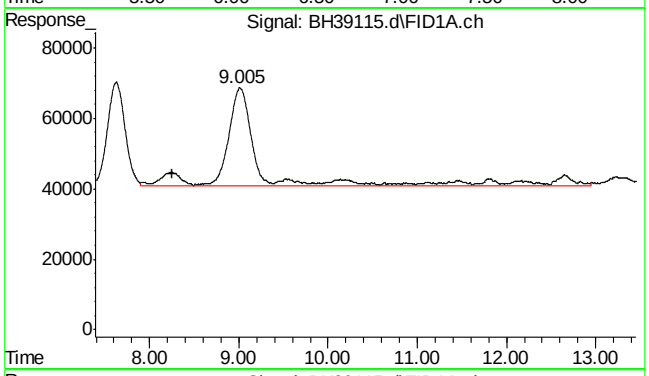






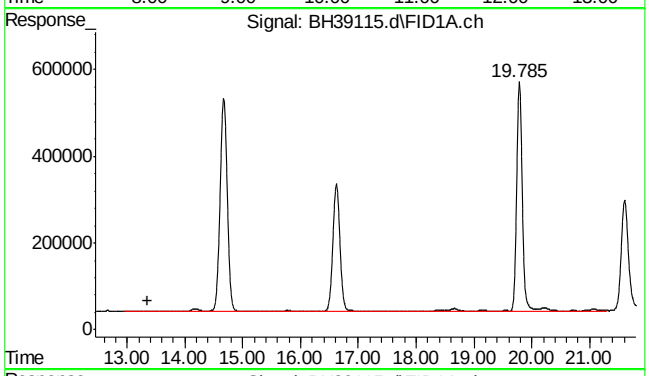
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 5659901
Conc: 5.48 ppb



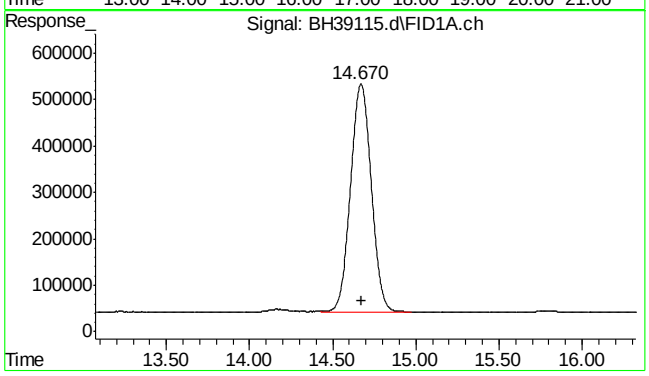
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 7155742
Conc: 6.93 ppb



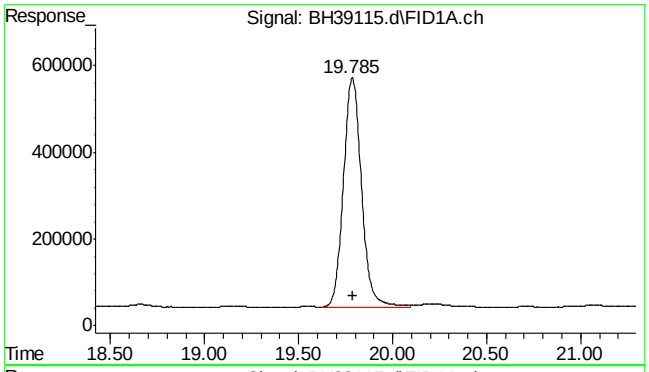
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 32920769
Conc: 31.88 ppb



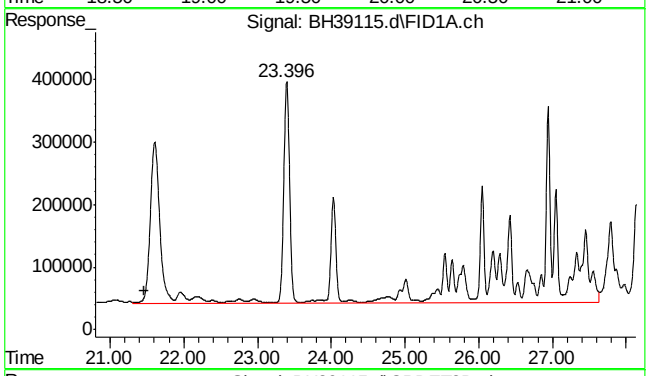
#4 fluorobenzene

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 42569997
Conc: 45.34 ppb m



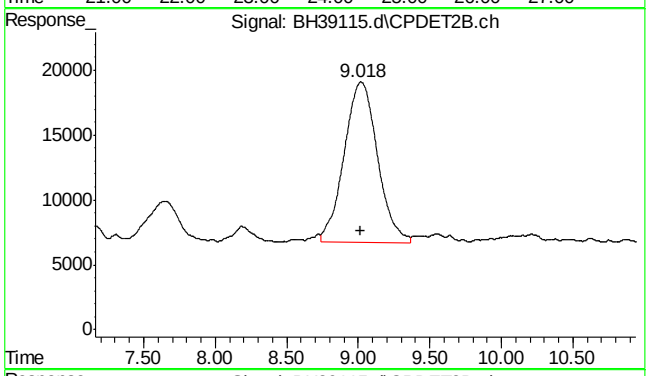
#6 2,3,4-trifluorotoluene

R.T.: 19.786 min
Delta R.T.: 0.000 min
Response: 35499171
Conc: 43.67 ppb



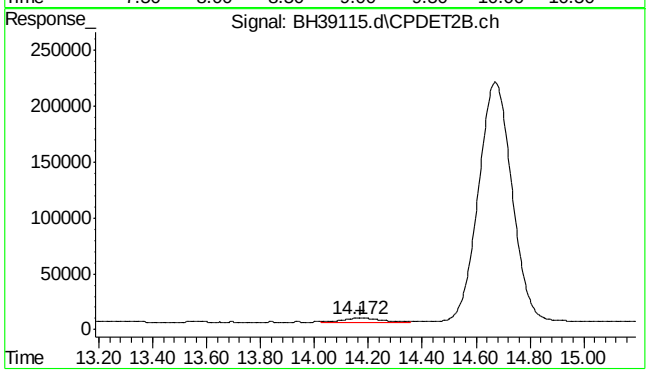
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 124356259
Conc: 103.39 ppb



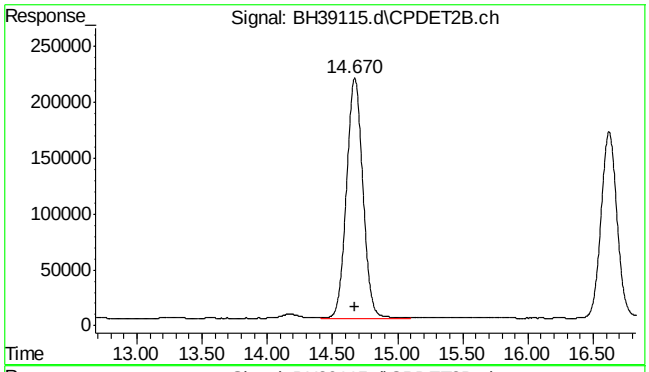
#14 mtbe #2

R.T.: 9.019 min
Delta R.T.: 0.003 min
Response: 2010896
Conc: 7.15 ppb



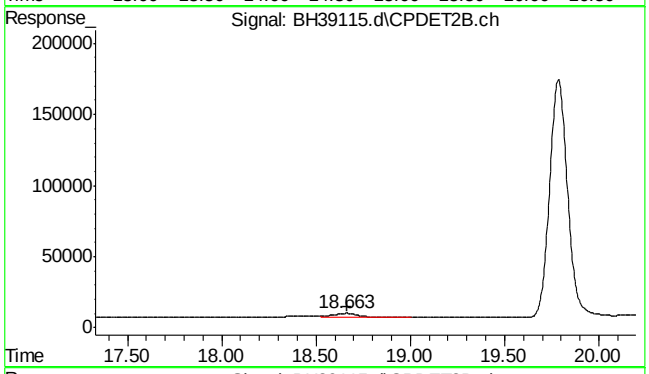
#15 benzene #2

R.T.: 14.174 min
Delta R.T.: 0.005 min
Response: 349638
Conc: 0.53 ppb



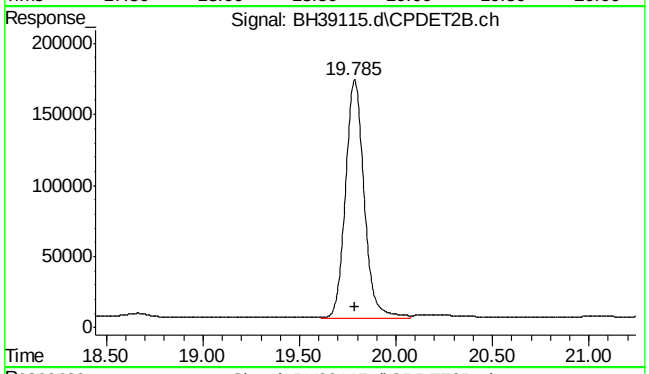
#16 fluorobenzene #2

R.T.: 14.672 min
Delta R.T.: 0.000 min
Response: 18827116
Conc: 46.32 ppb



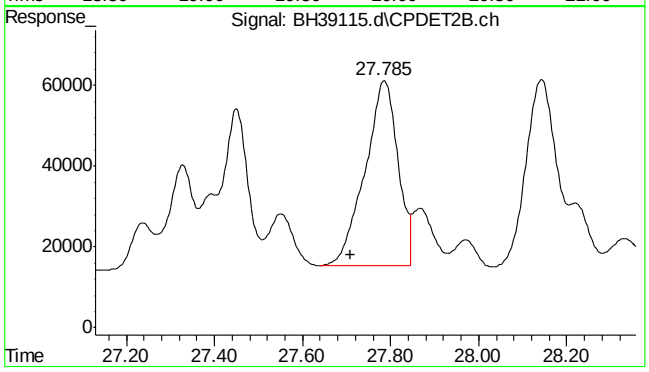
#17 toluene #2

R.T.: 18.663 min
Delta R.T.: -0.003 min
Response: 340943
Conc: 0.55 ppb m



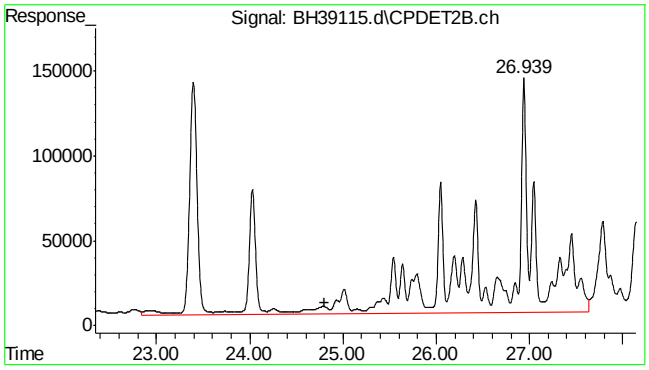
#18 2,3,4-trifluorotoluene #2

R.T.: 19.786 min
Delta R.T.: 0.001 min
Response: 11256814
Conc: 44.32 ppb



#24 naphthalene #2

R.T.: 27.785 min
Delta R.T.: 0.076 min
Response: 2397227
Conc: 4.38 ppb m



#25 c9-c10 arom as 1,2,4-tmb

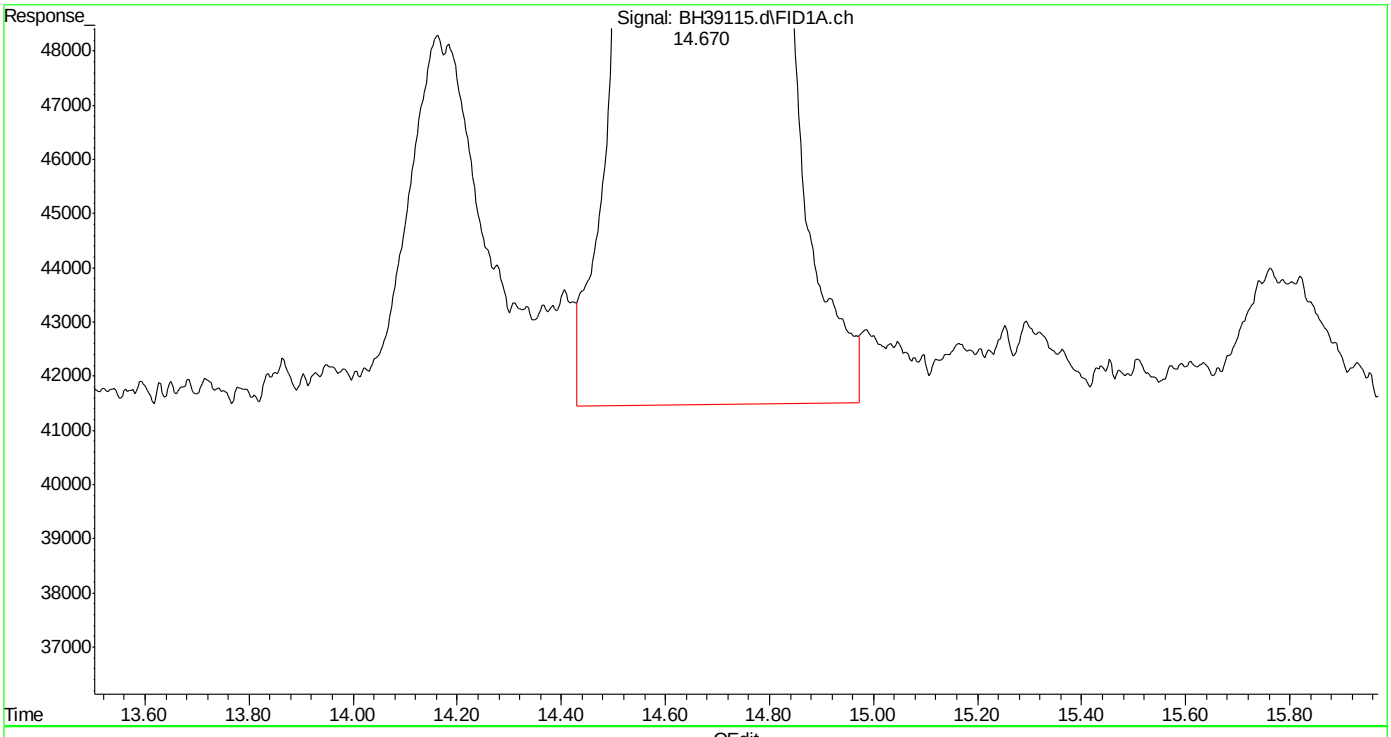
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 43997533
Conc: 68.32 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 45.523 ppb
response 42745098

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:18:34 2016

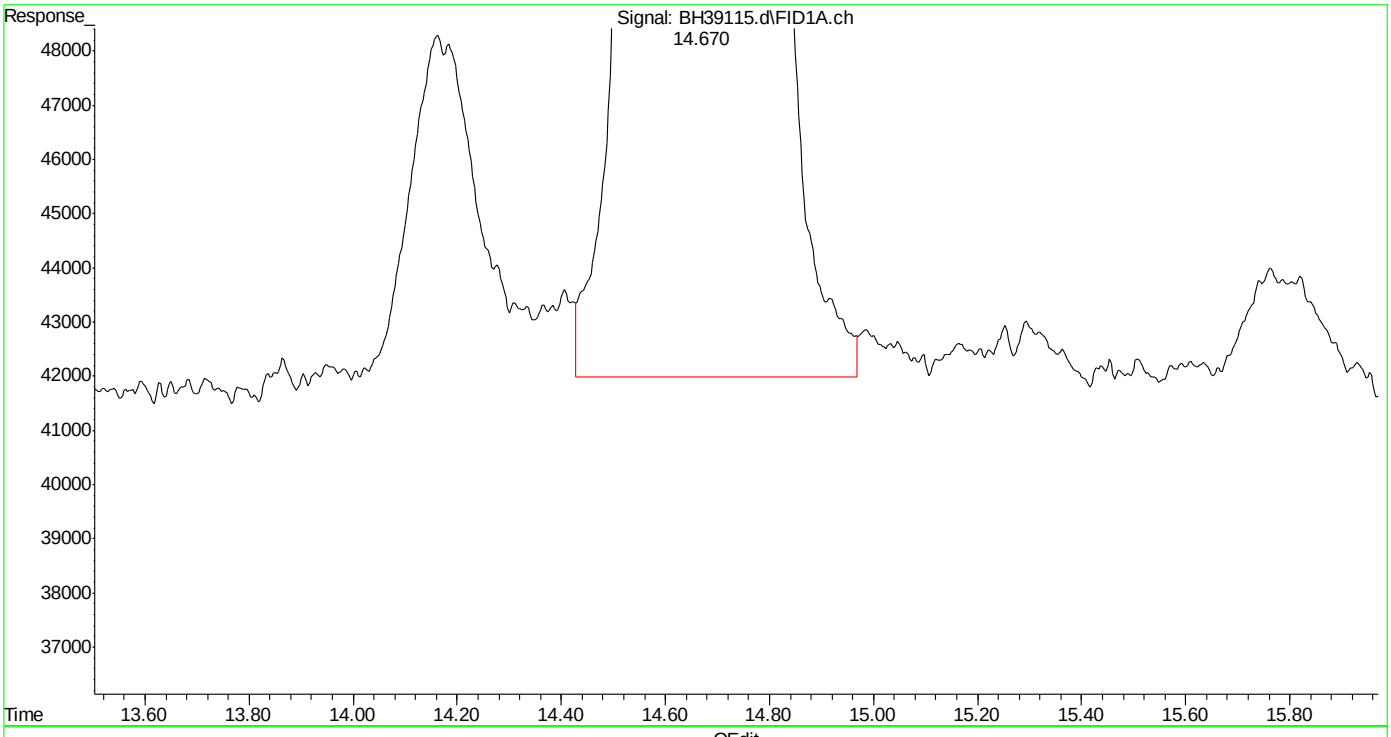
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 45.337 ppb m
response 42569997

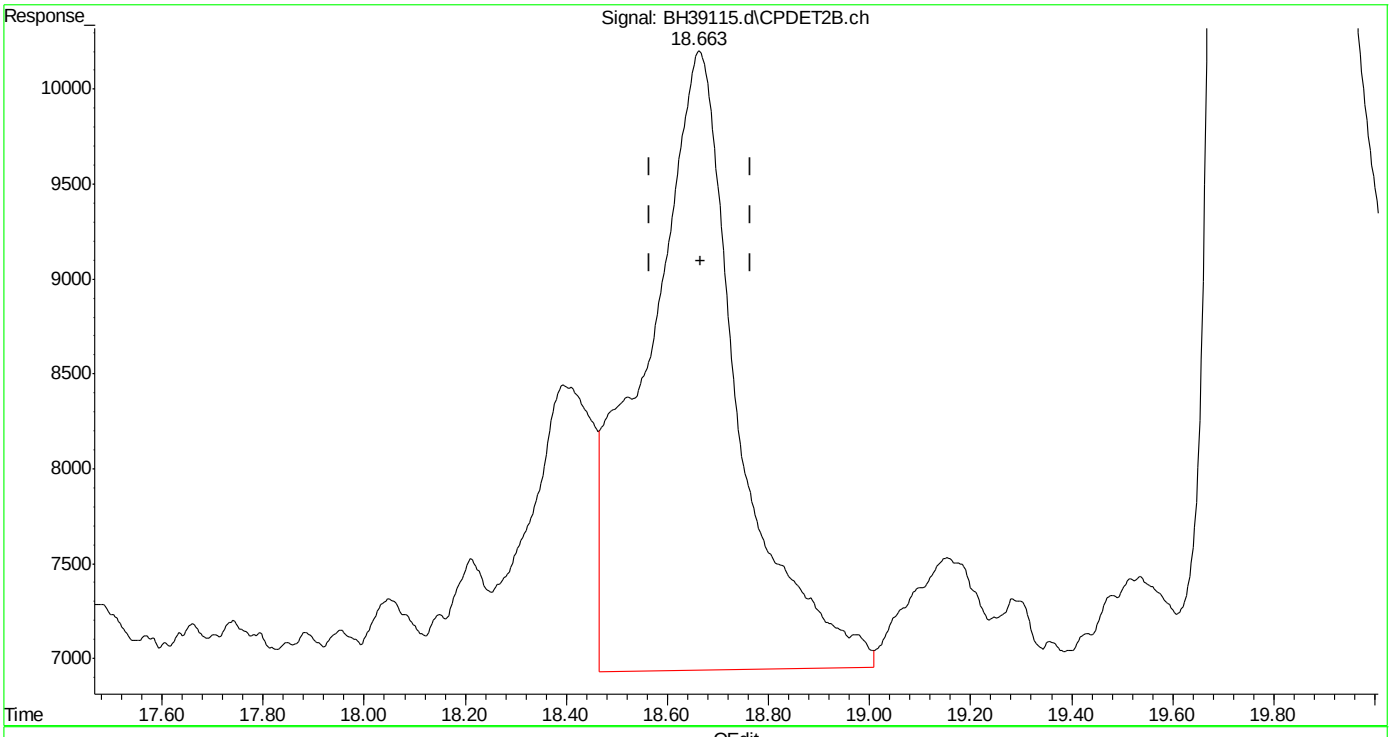
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:18:43 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 0.673 ppb
response 415222

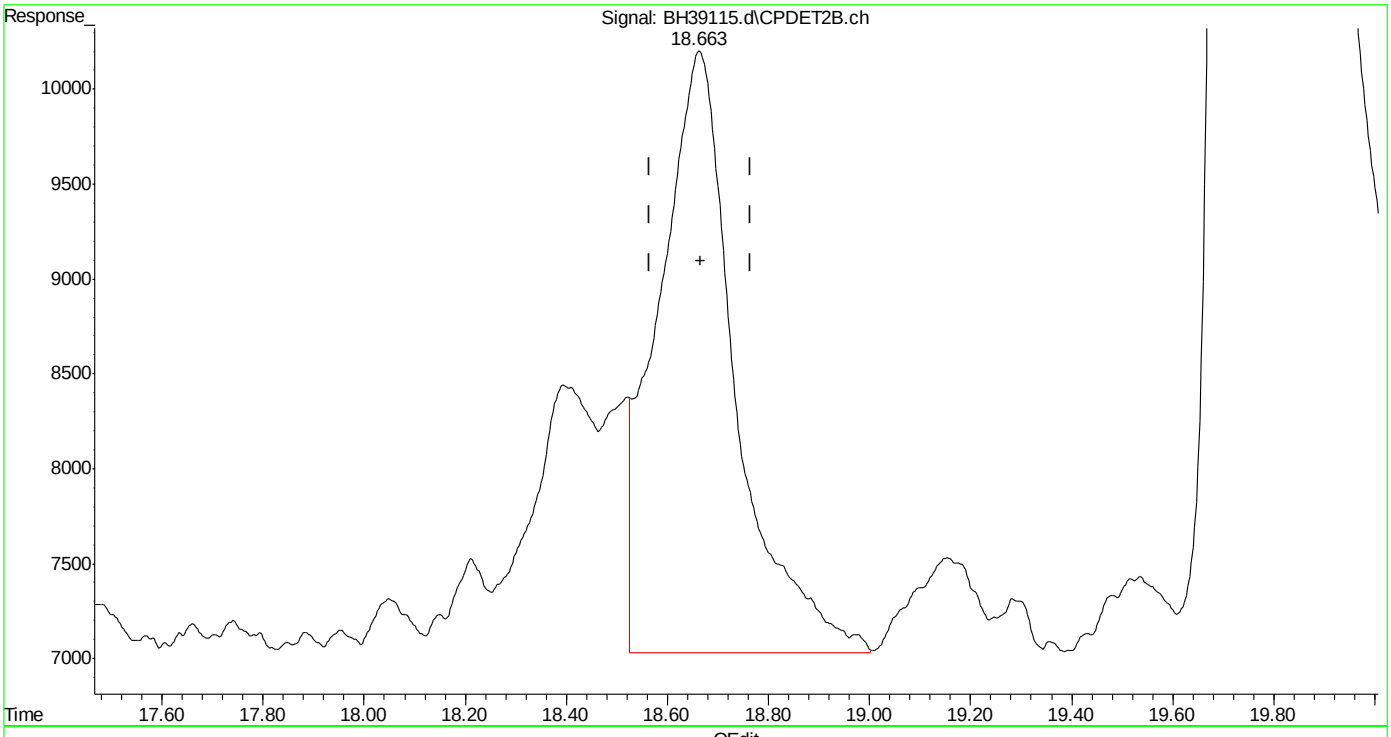
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:19:17 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.663min 0.553 ppb m
response 340943

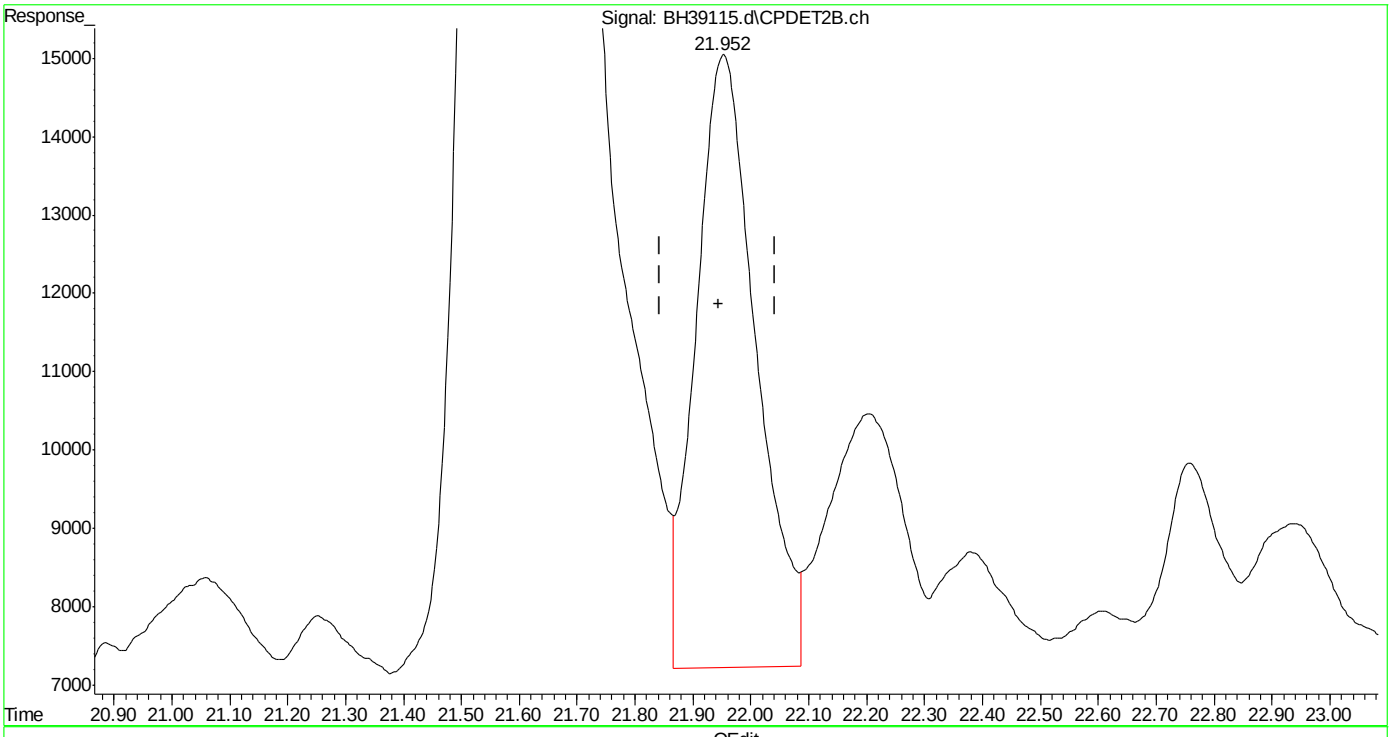
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:19:32 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.954min 0.845 ppb
response 563546

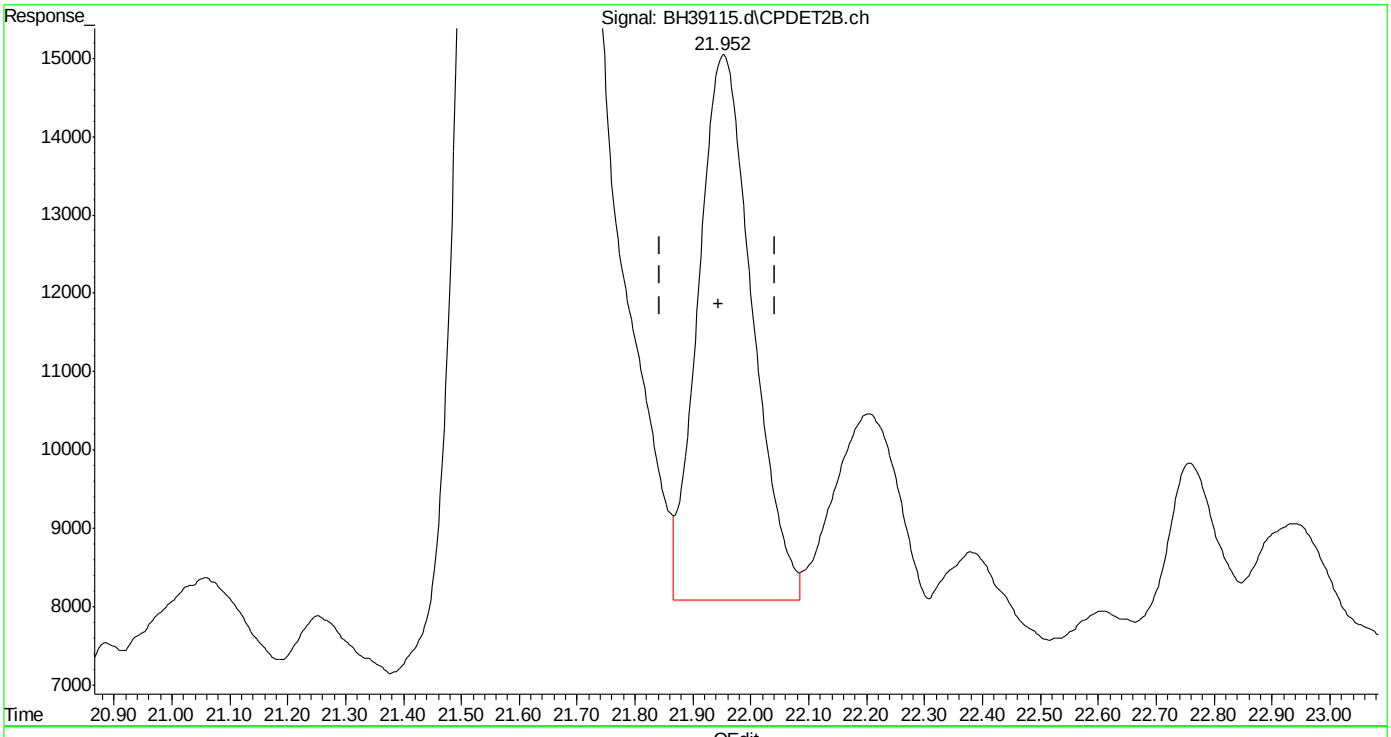
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:19:44 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.952min 0.676 ppb m
response 450956

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:19:57 2016

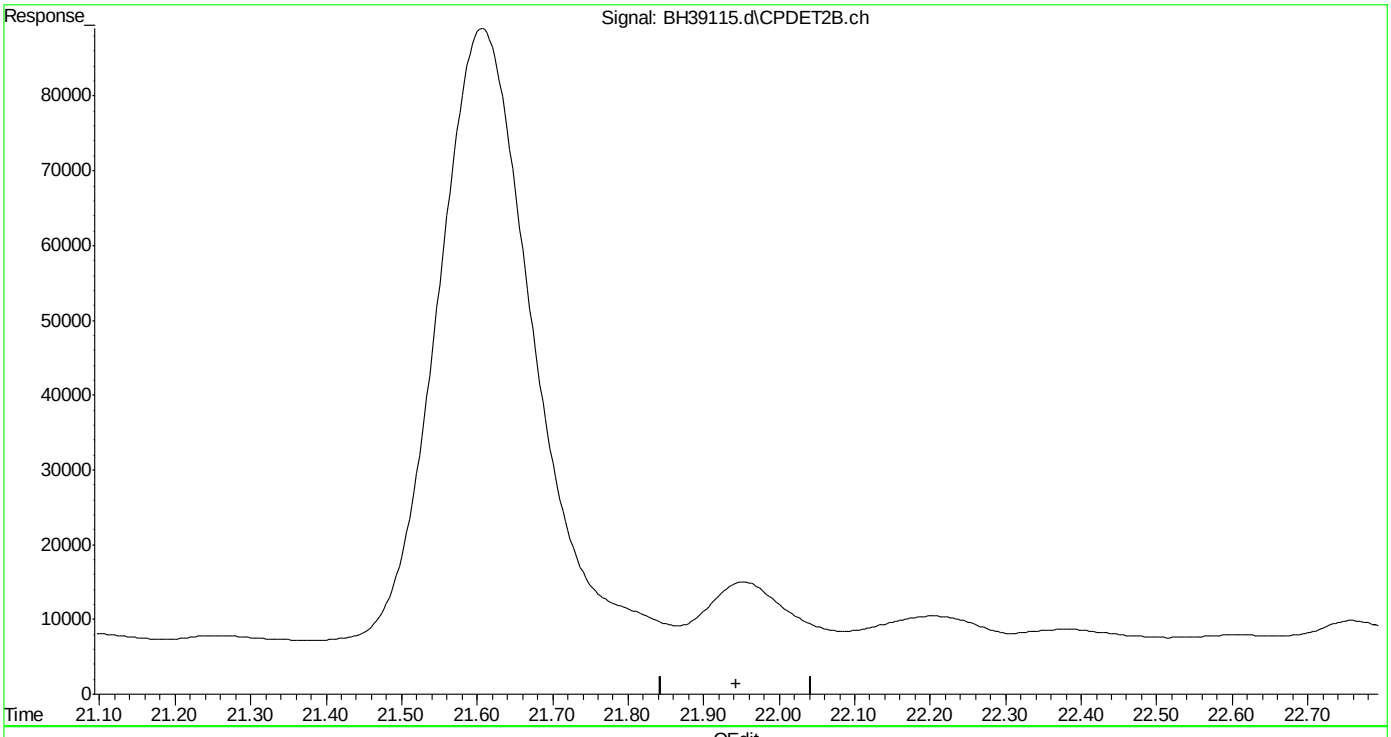
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
0.000min 0.000 ppb d
response 0

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:20:02 2016

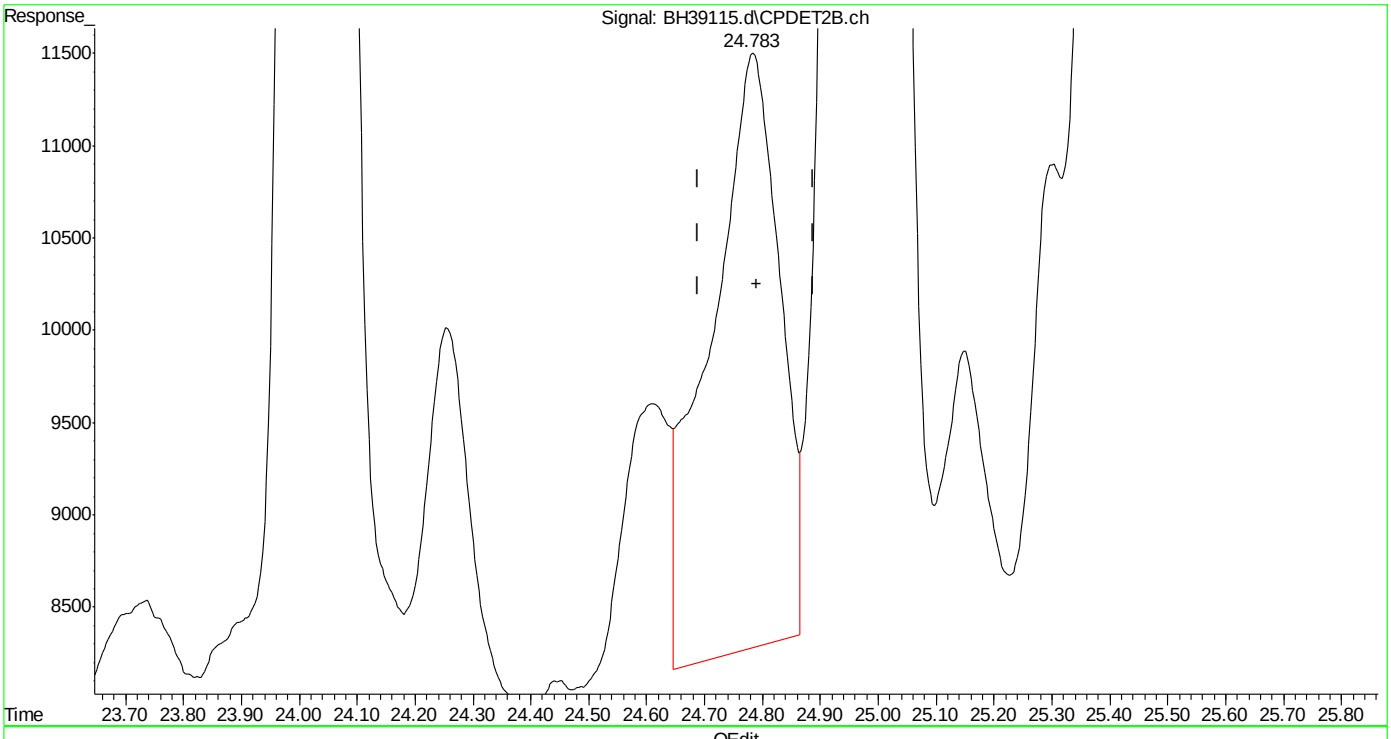
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)

24.784min 0.417 ppb

response 268745

(+) = Expected Retention Time

bh160506vph.m Sat May 07 08:20:10 2016

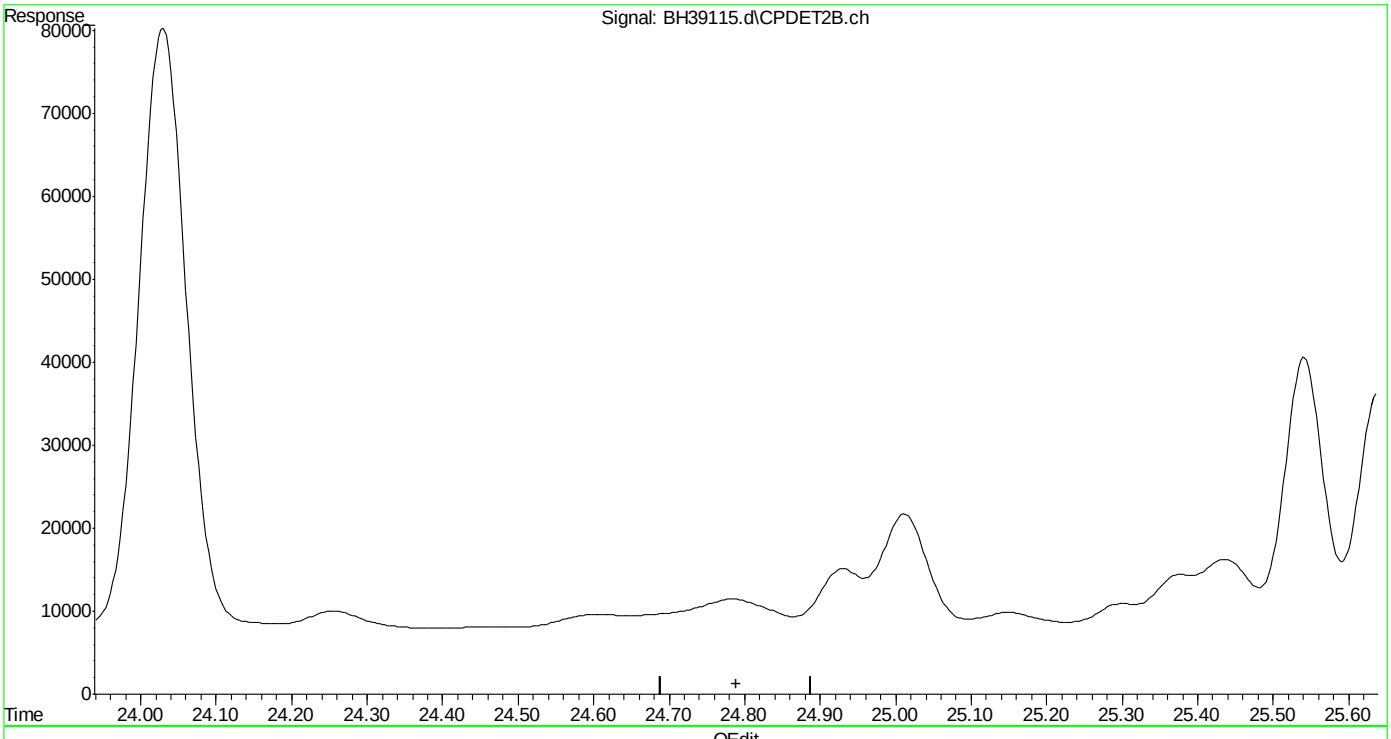
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
0.000min 0.000 ppb d
response 0

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:20:13 2016

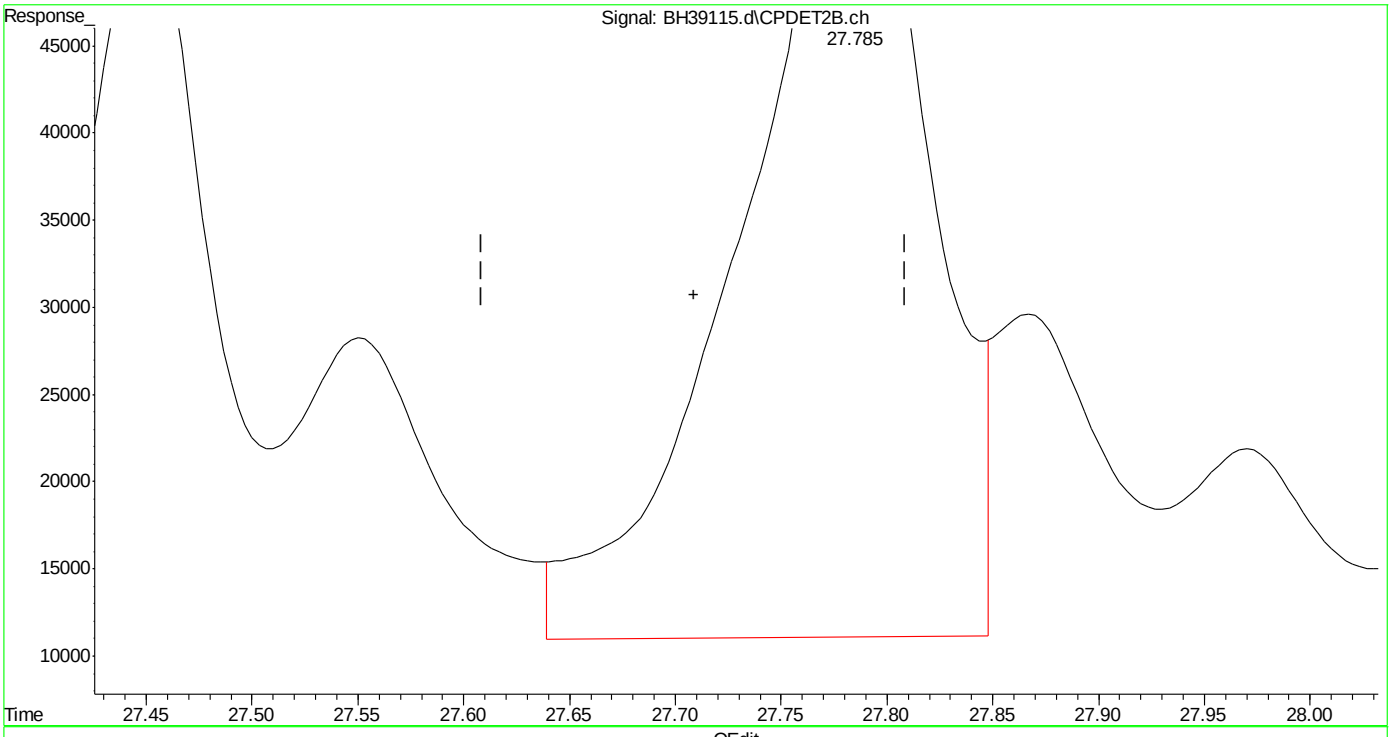
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.786min 5.377 ppb
response 2939656

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:20:18 2016

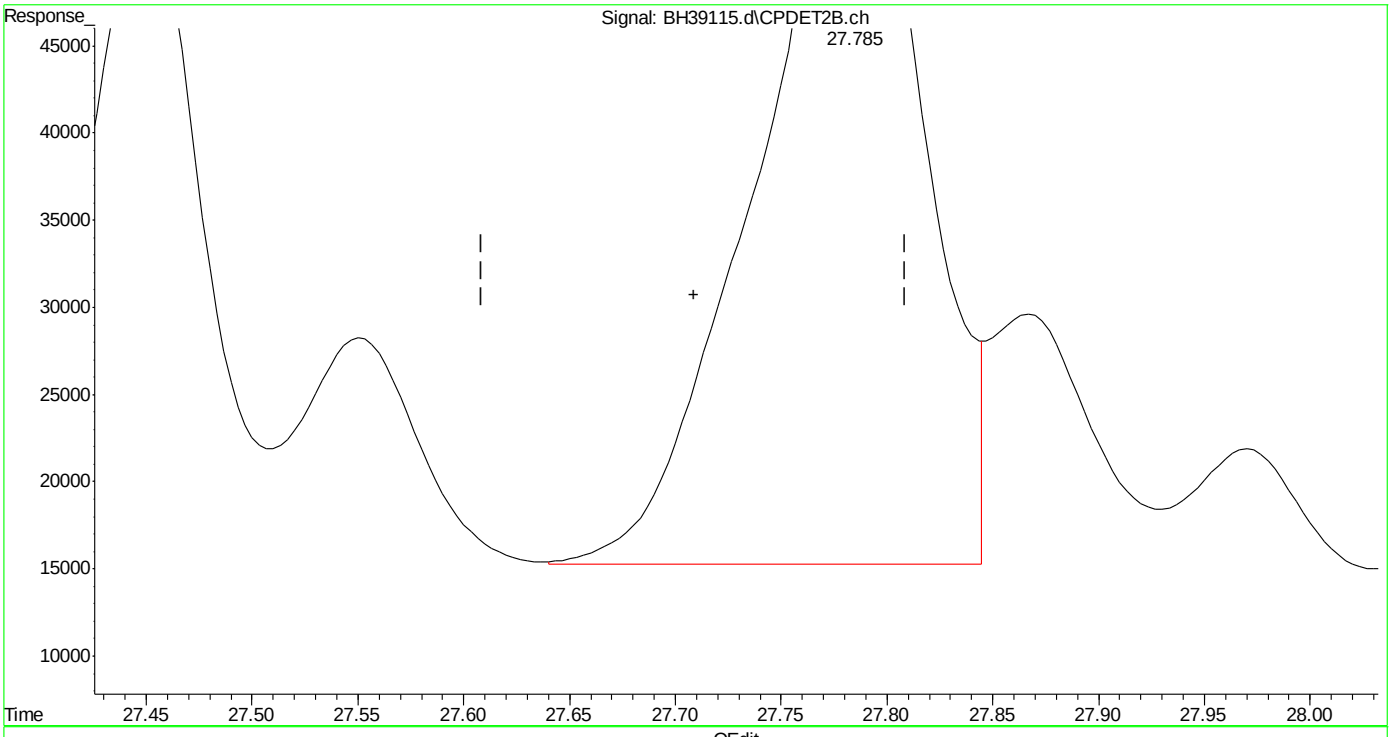
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 5:12 pm
Operator : danielf
Sample : mc45754-6,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:04:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.785min 4.385 ppb m
response 2397227

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:20:27 2016

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/09/16 09:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:52:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.672	42424759	45.182 ppb	m
Spiked Amount 50.000		Recovery =	90.36%	
6) s 2,3,4-trifluorotoluene	19.785	33843956	41.635 ppb	m
Spiked Amount 50.000		Recovery =	83.27%	
16) s fluorobenzene #2	14.674	18729880	46.085 ppb	
Spiked Amount 50.000		Recovery =	92.17%	
18) s 2,3,4-trifluorotoluen...	19.785	10751540	42.332 ppb	m
Spiked Amount 50.000		Recovery =	84.66%	
Target Compounds				
1) h rt5.5-7	5.980	1489466	1.442 ppb	
2) h rt7/10	8.250	2609726	2.527 ppb	
3) h rt10/13	13.360	5111683	4.950 ppb	
8) h rt20/25	21.460	12098264	10.059 ppb	
24) t naphthalene #2	27.710	250953	0.459 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	4310520	6.693 ppb	

(f)=RT Delta > 1/2 Window (m)=manual int.

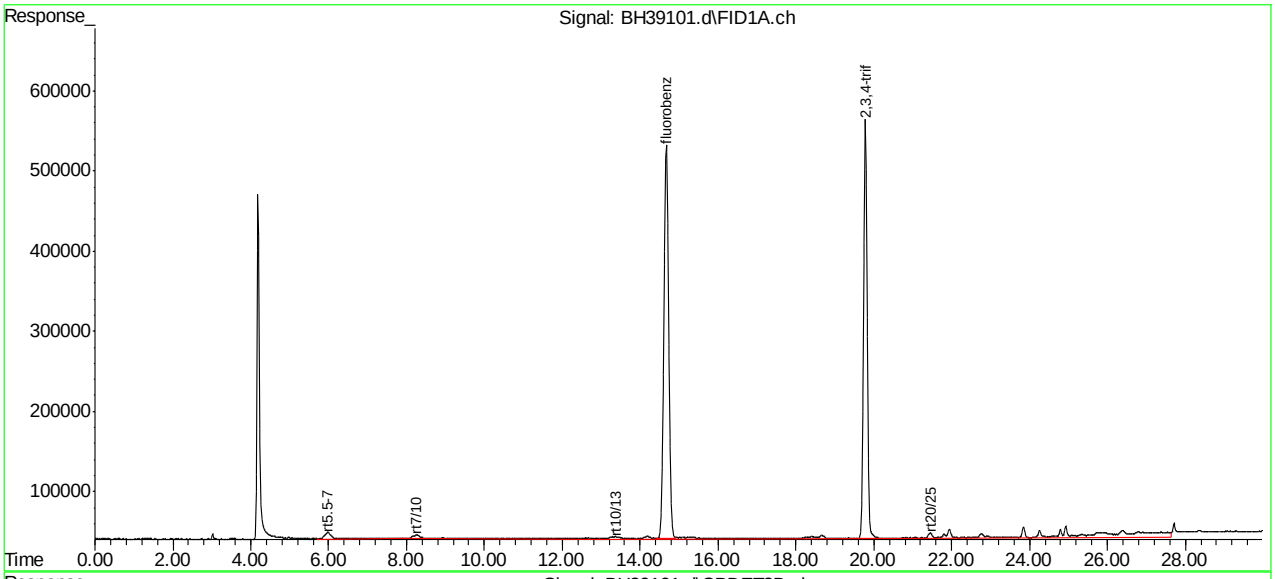
SGS ACCUTEST MC45754

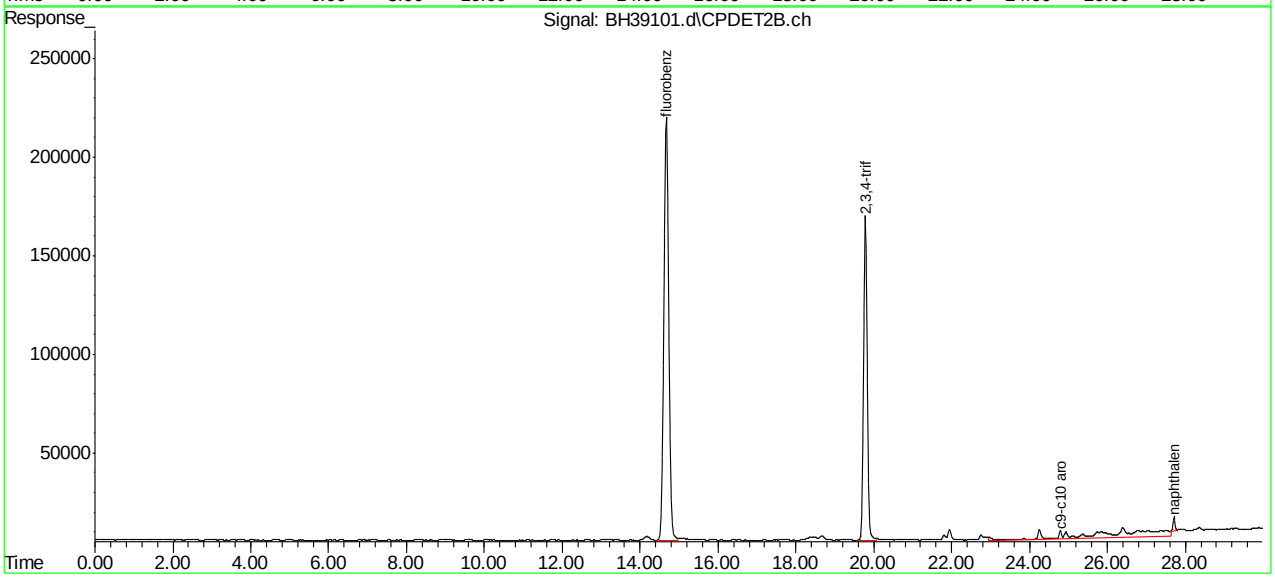
Quantitation Report (QT Reviewed)

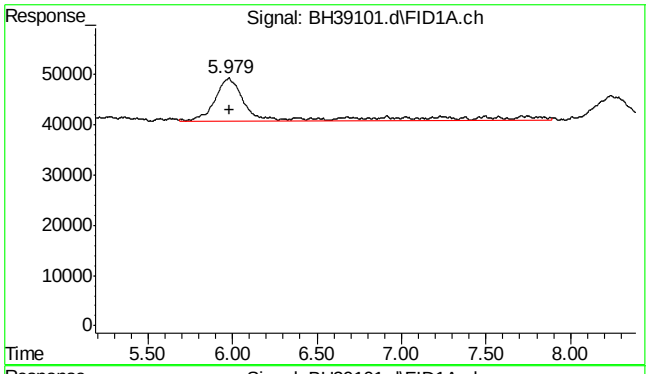
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:52:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

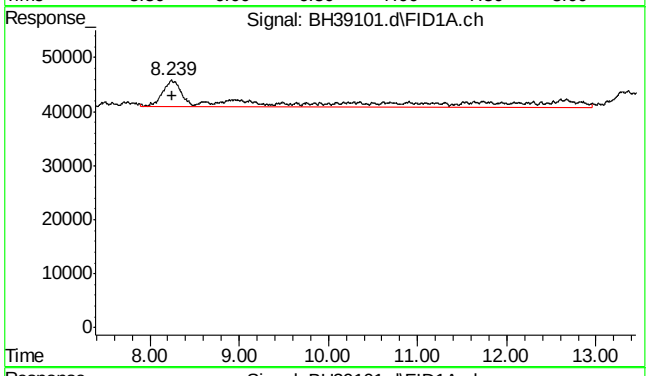






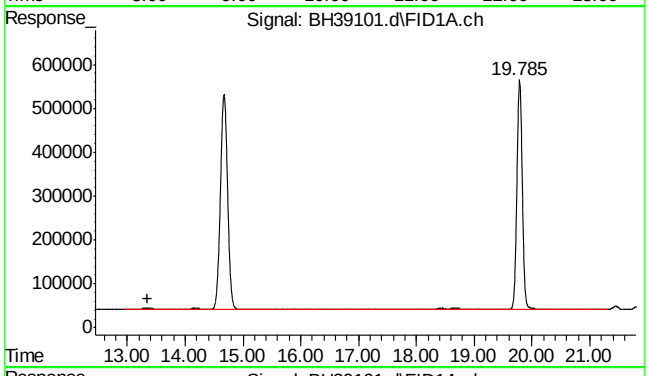
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 1489466
Conc: 1.44 ppb



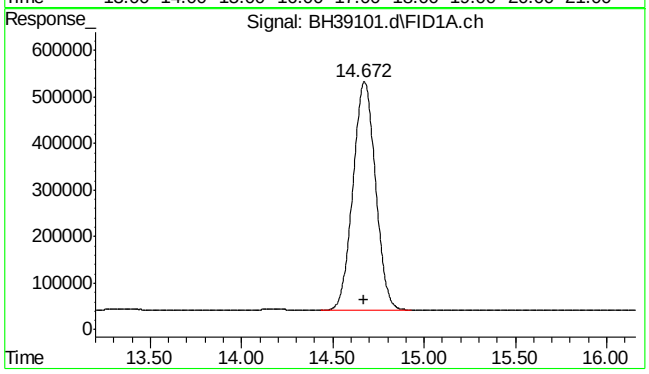
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 2609726
Conc: 2.53 ppb



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 5111683
Conc: 4.95 ppb



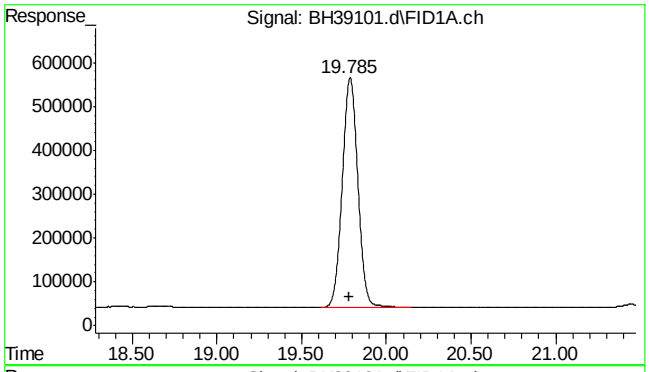
#4 fluorobenzene

R.T.: 14.672 min
Delta R.T.: 0.000 min
Response: 42424759
Conc: 45.18 ppb m

7.2.1

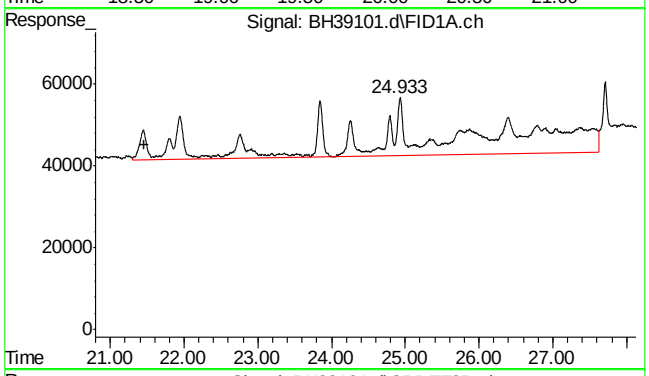
7

SGS ACCUTEST MC45754



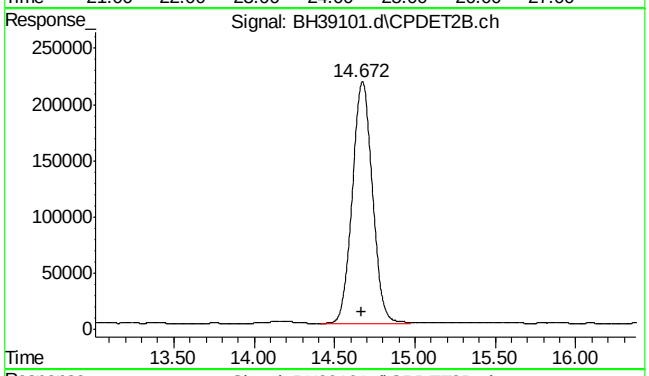
#6 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 33843956
Conc: 41.63 ppb m



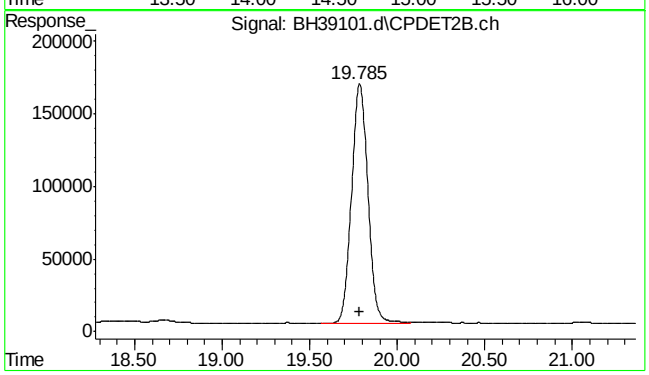
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 12098264
Conc: 10.06 ppb



#16 fluorobenzene #2

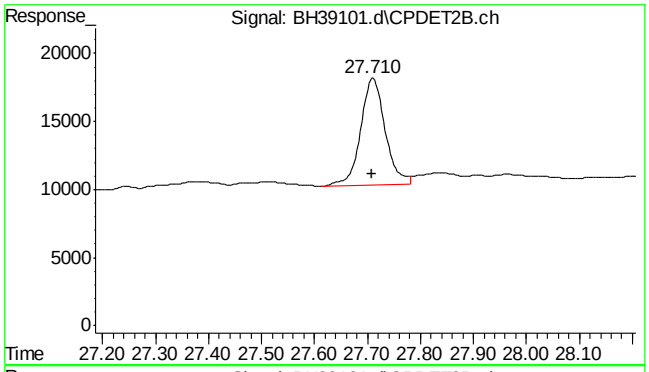
R.T.: 14.674 min
Delta R.T.: 0.002 min
Response: 18729880
Conc: 46.09 ppb



#18 2,3,4-trifluorotoluene #2

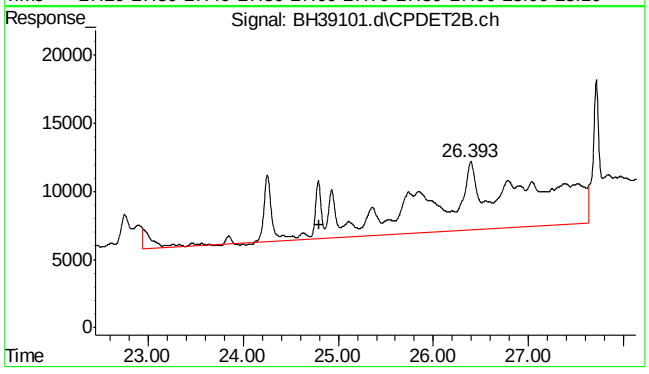
R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 10751540
Conc: 42.33 ppb m

SGS ACCUTEST MC45754



#24 naphthalene #2

```
      R.T.:   27.710 min
Delta R.T.:    0.000 min
  Response:    250953
      Conc:   0.46 ppb m
```



#25 c9-c10 arom as 1,2,4-tmb

```
      R.T.:   24.800 min
Delta R.T.:    0.000 min
  Response:   4310520
      Conc:   6.69 ppb
```

7.2.1

7

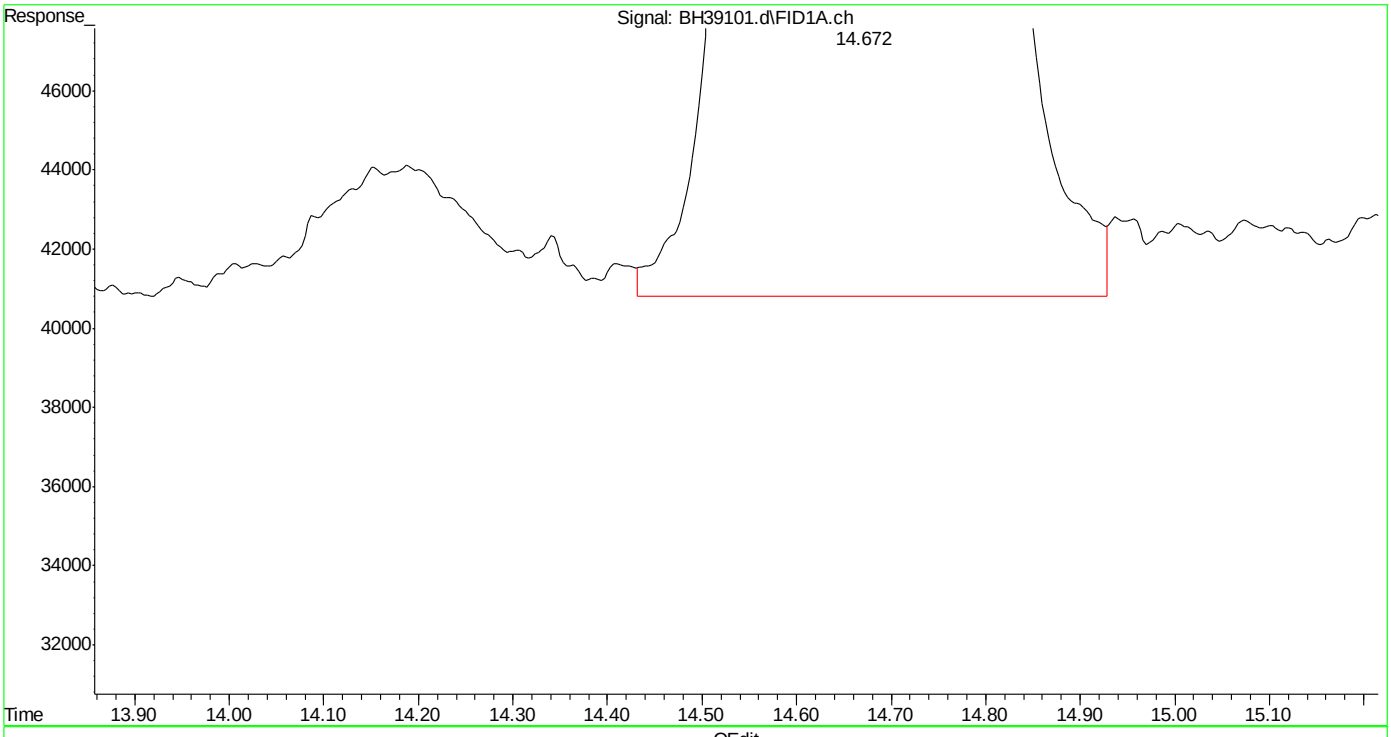
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.673min 45.306 ppb
response 42540922

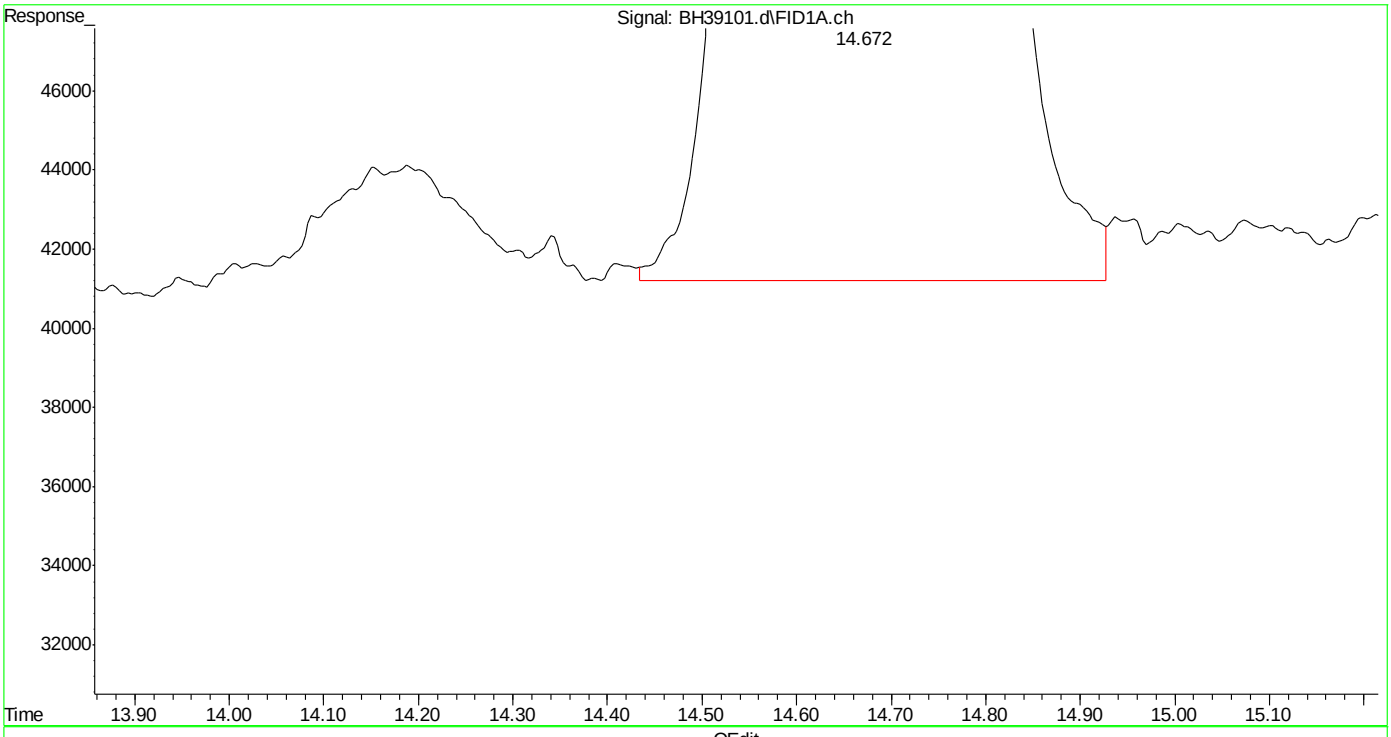
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:09 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.672min 45.182 ppb m
response 42424759

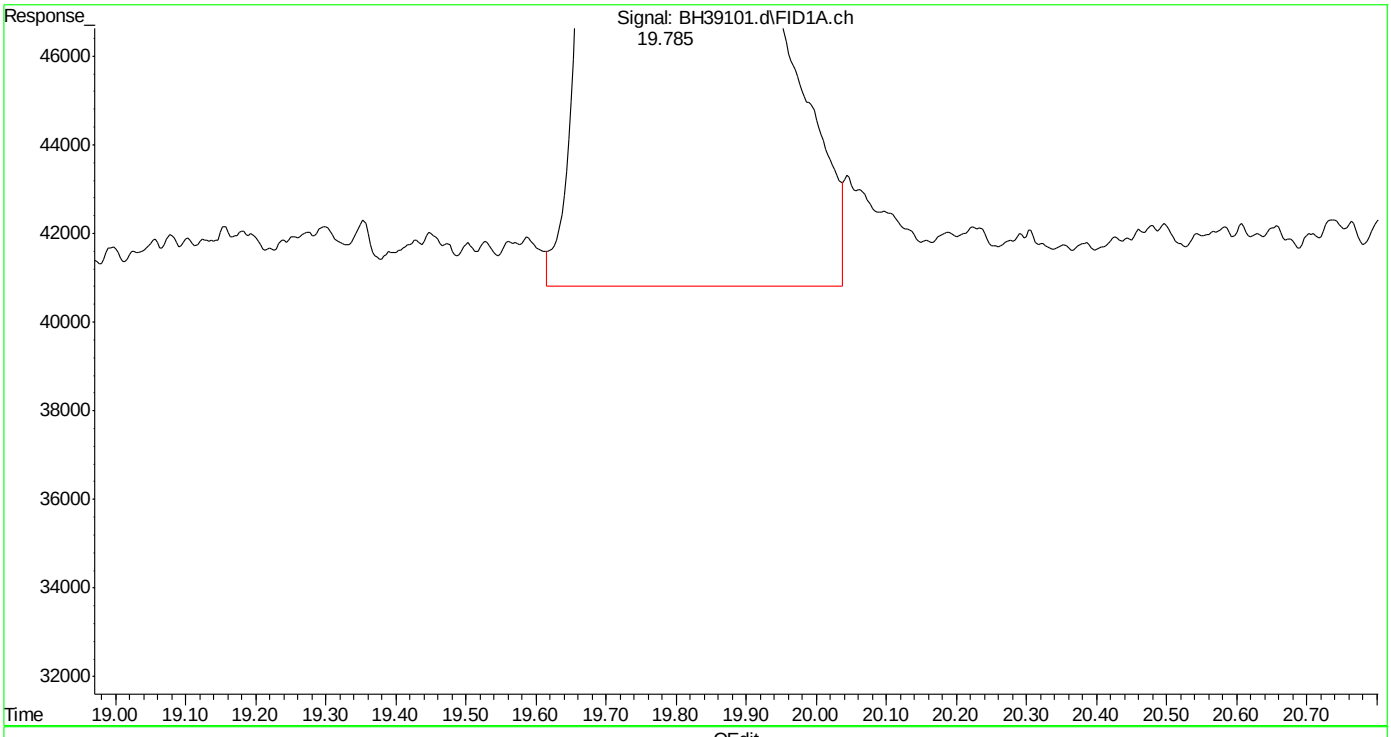
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:16 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.787min 41.777 ppb
response 33959496

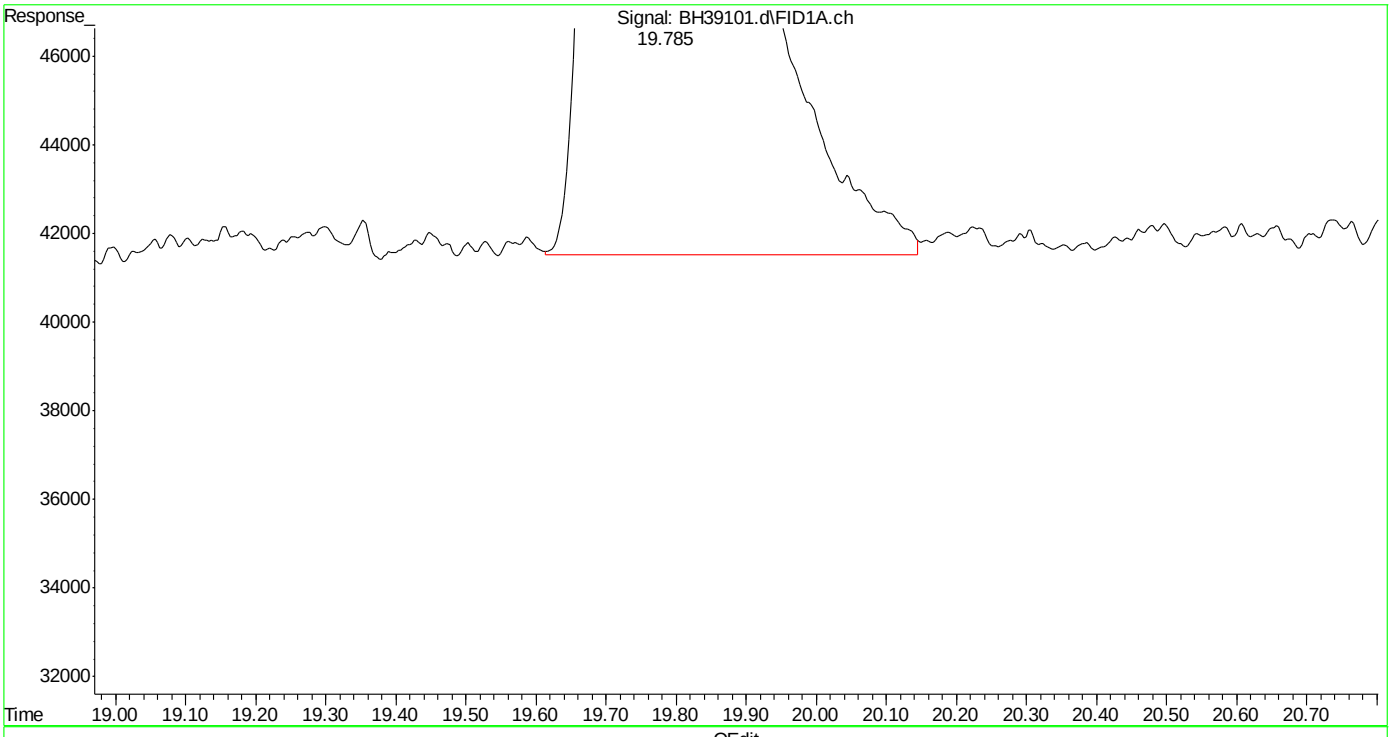
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:21 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 41.635 ppb m
response 33843956

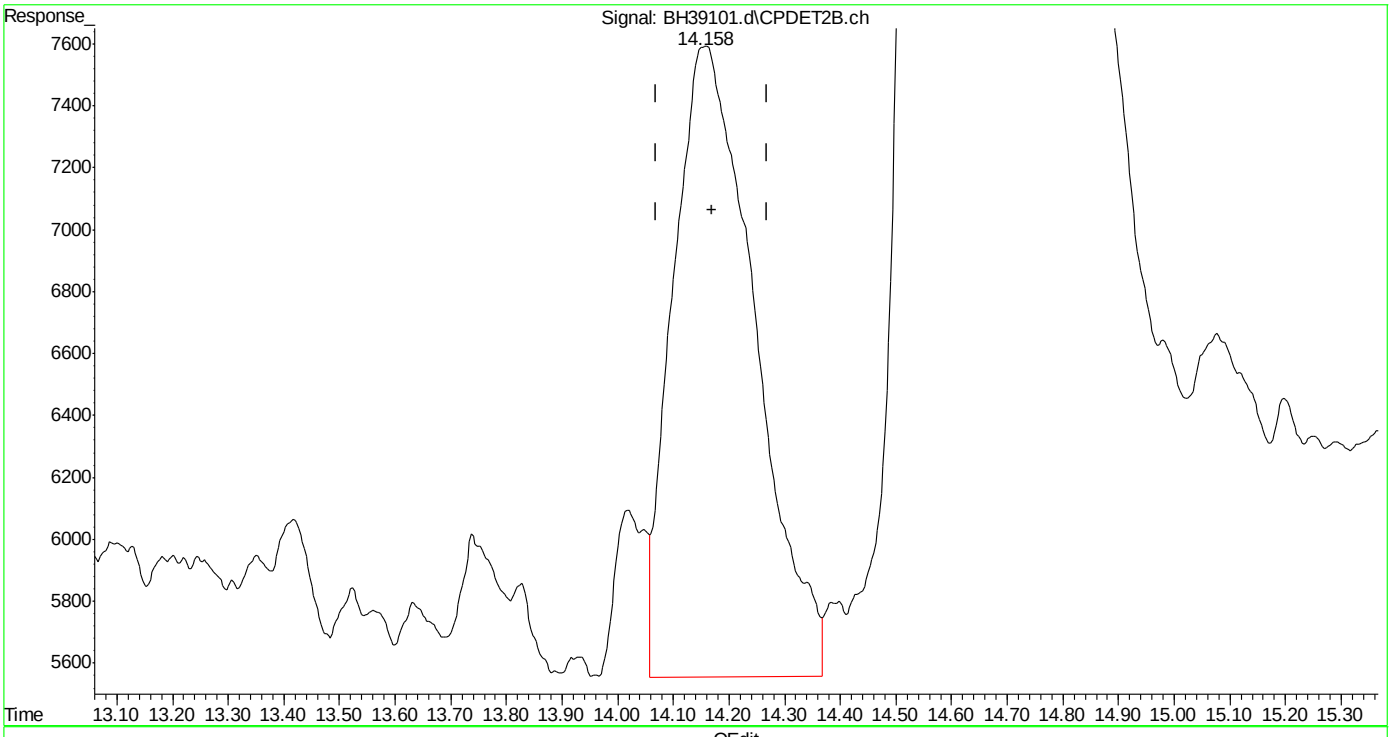
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:25 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.160min 0.317 ppb
response 208540

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:33 2016

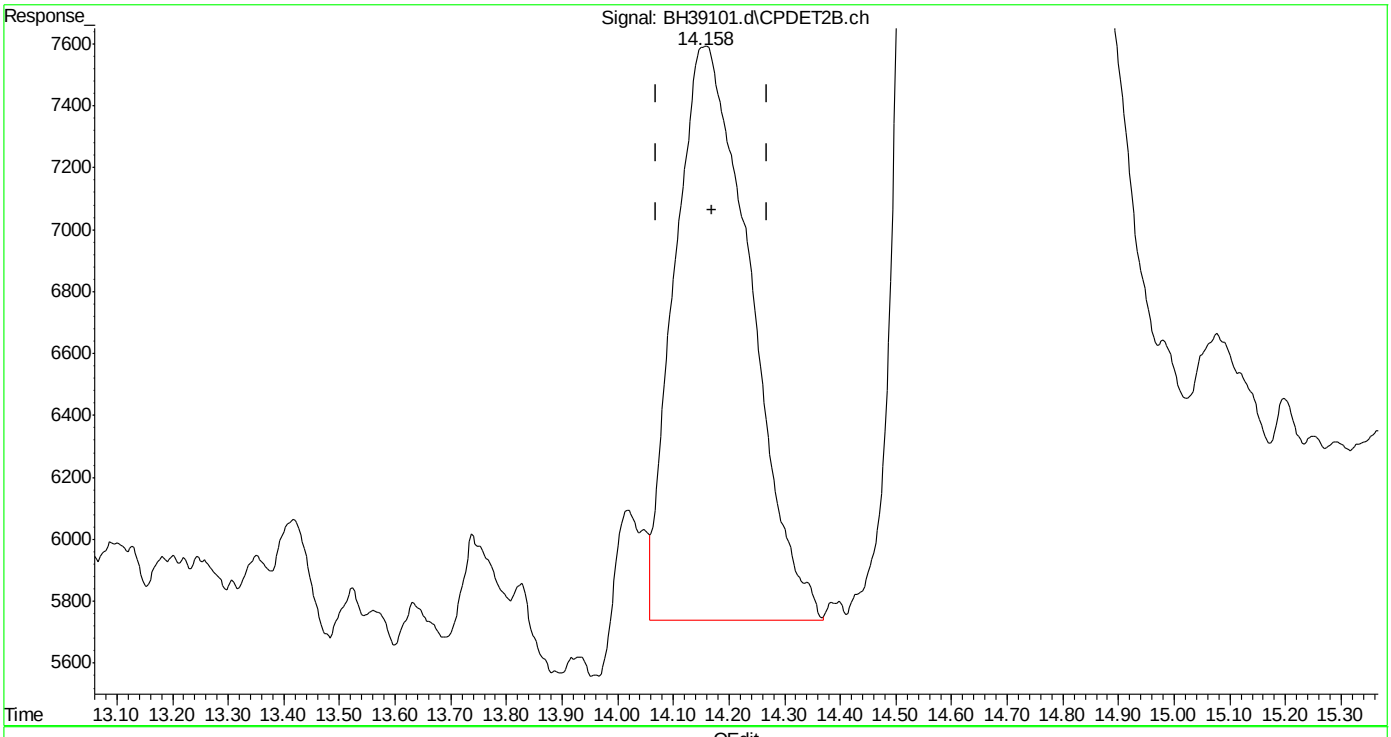
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.158min 0.266 ppb m
response 174641

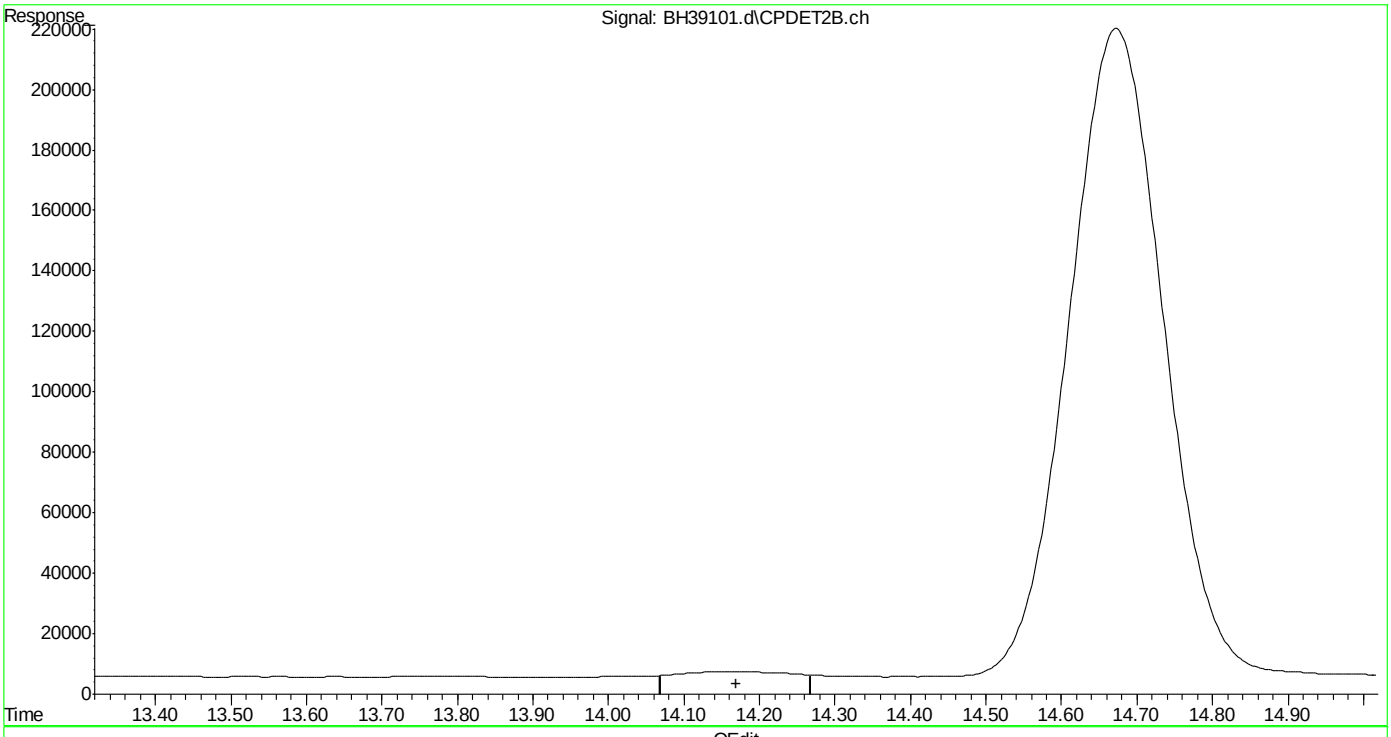
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:40 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
0.000min 0.000 ppb d
response 0

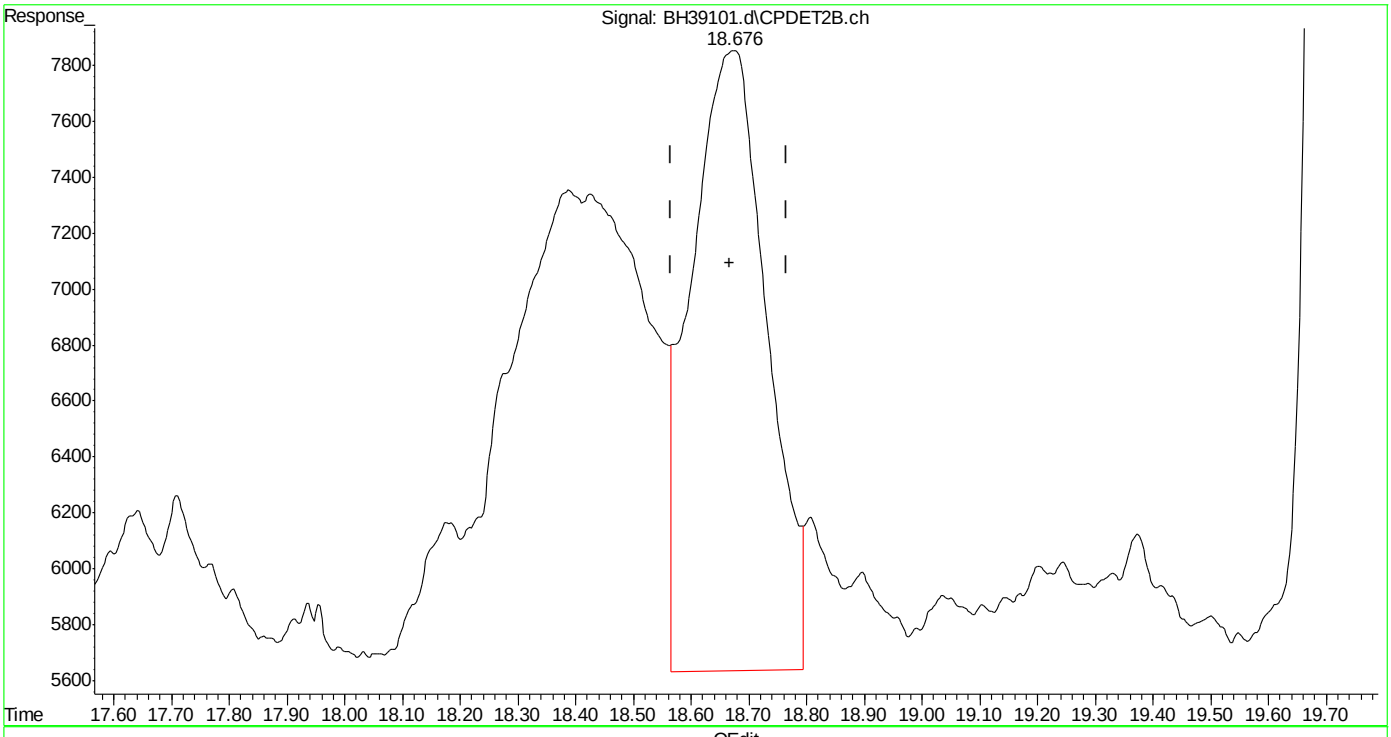
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:41 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.674min 0.330 ppb
response 203507

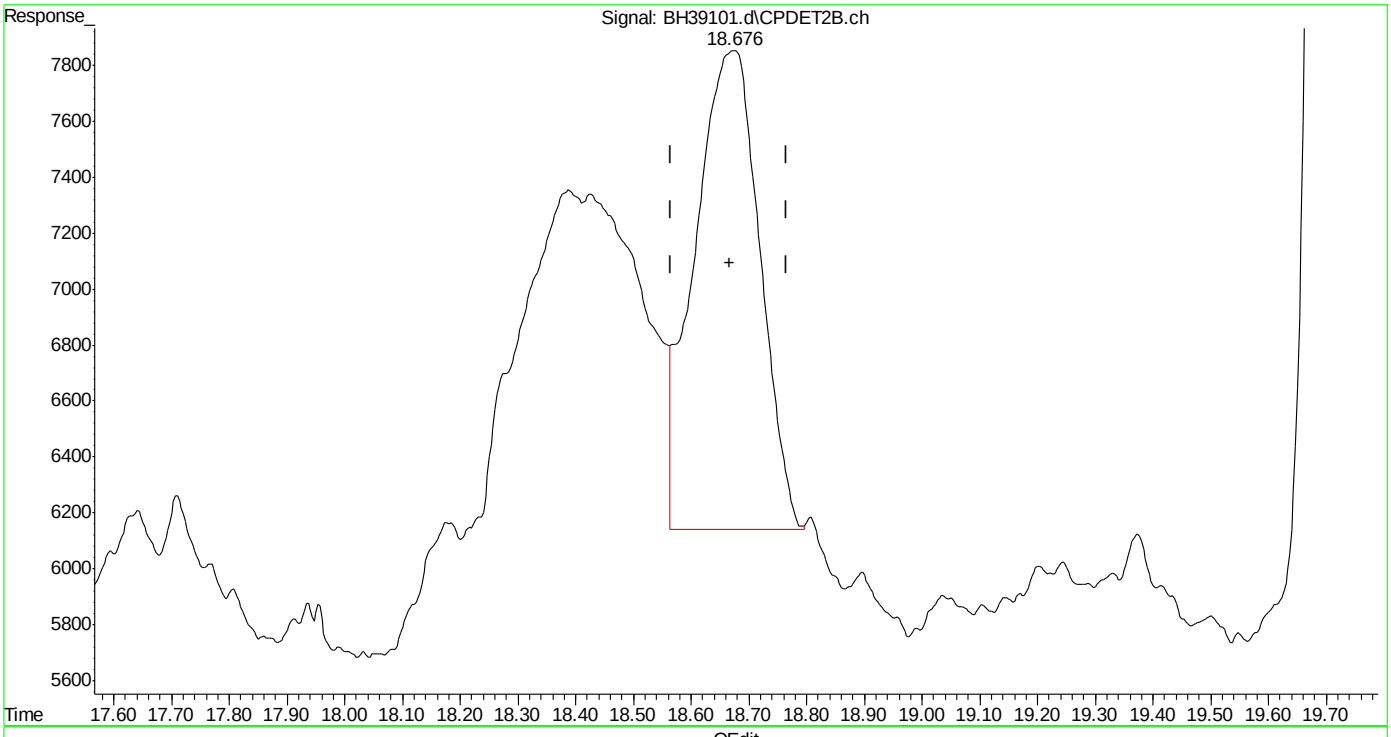
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:49 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.676min 0.219 ppb m
response 135113

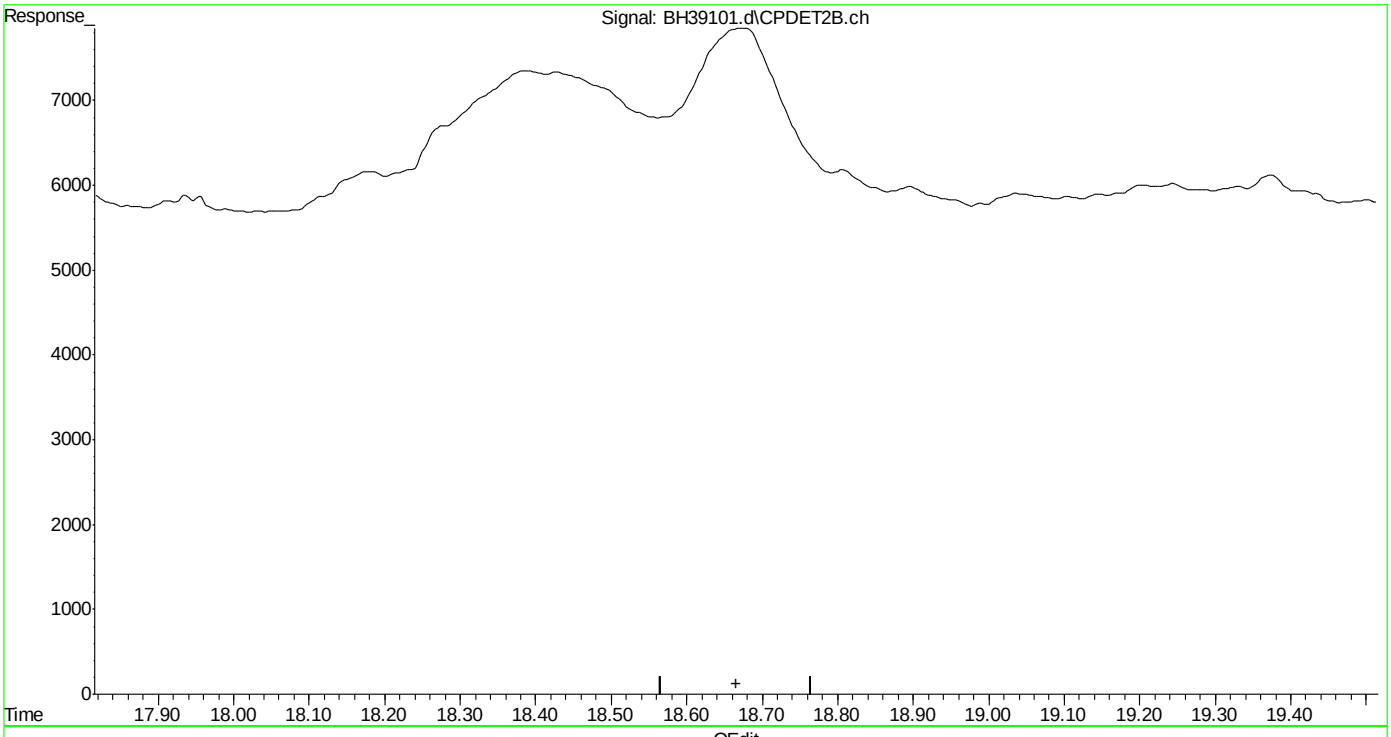
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:54 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
0.000min 0.000 ppb d
response 0

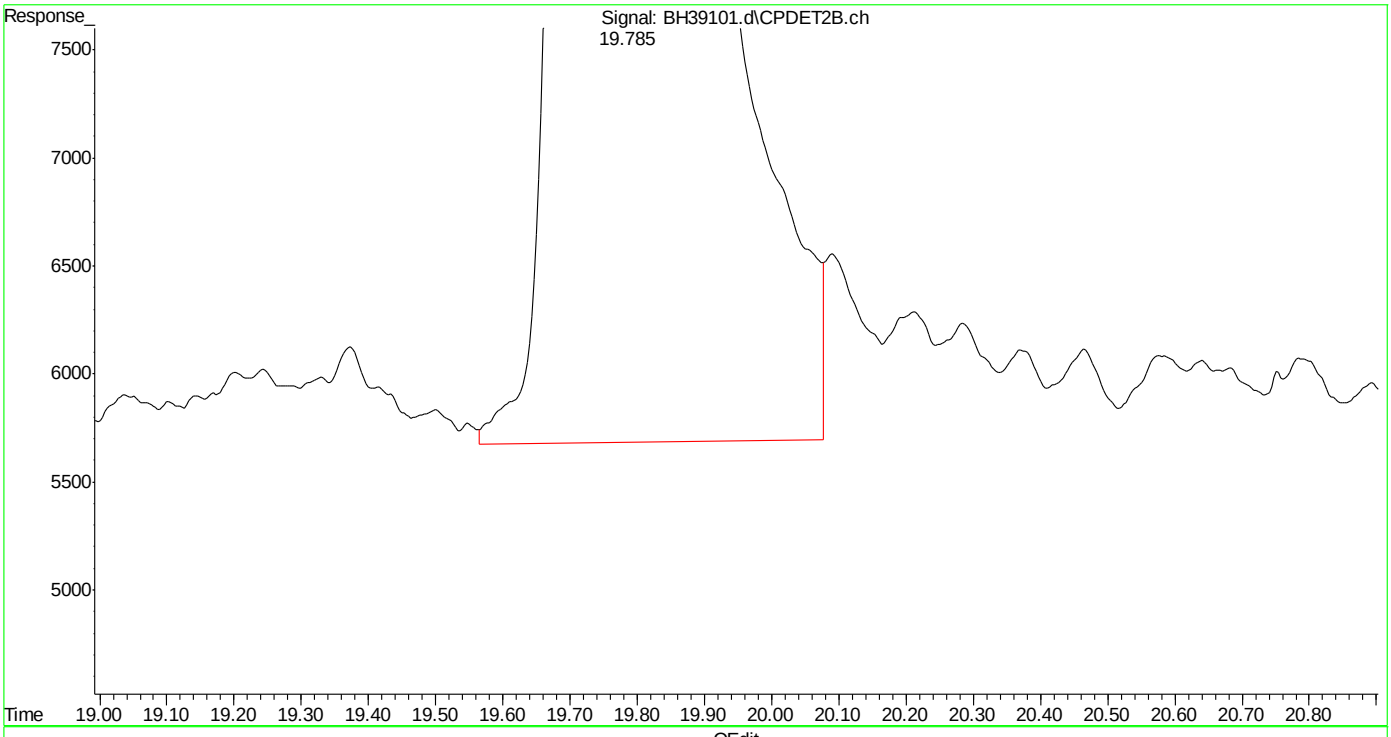
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:51:57 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 42.381 ppb
response 10763807

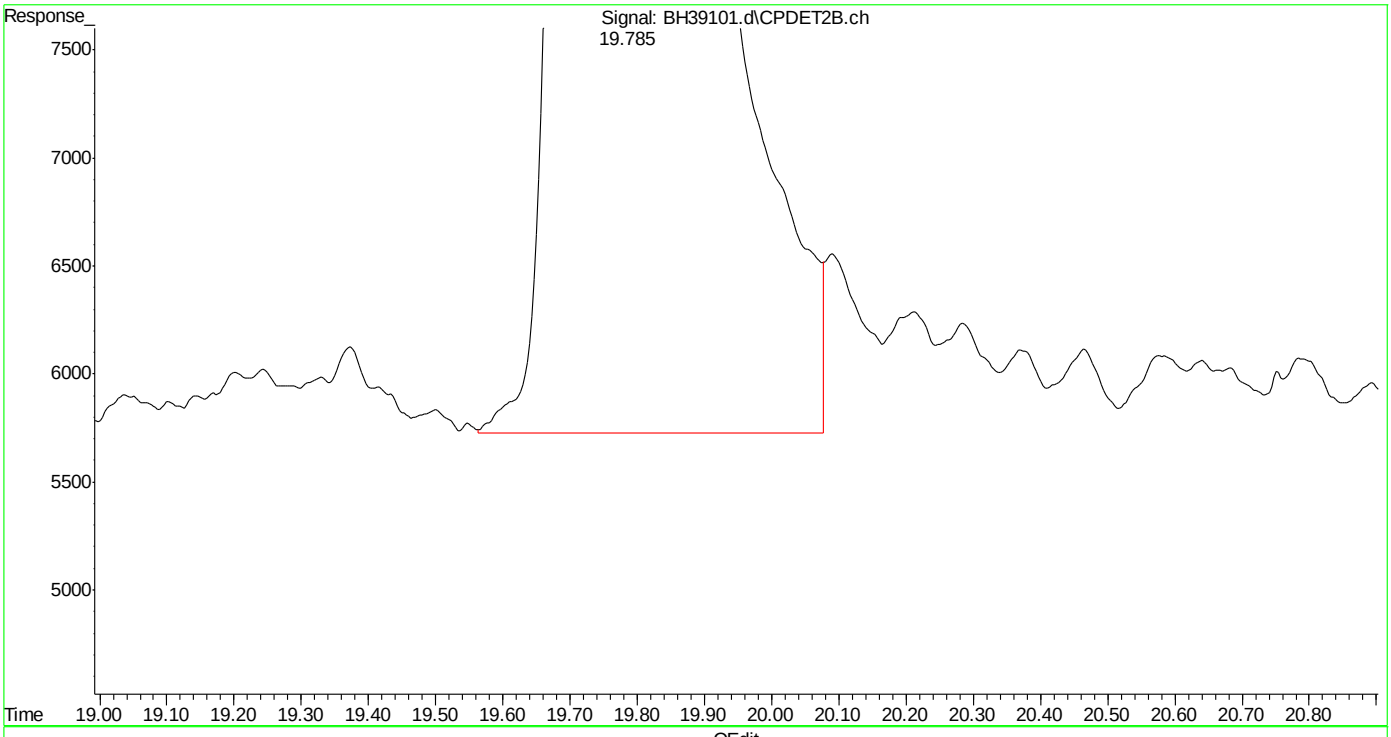
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:52:04 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 42.332 ppb m
response 10751540

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:52:10 2016 Page: 1

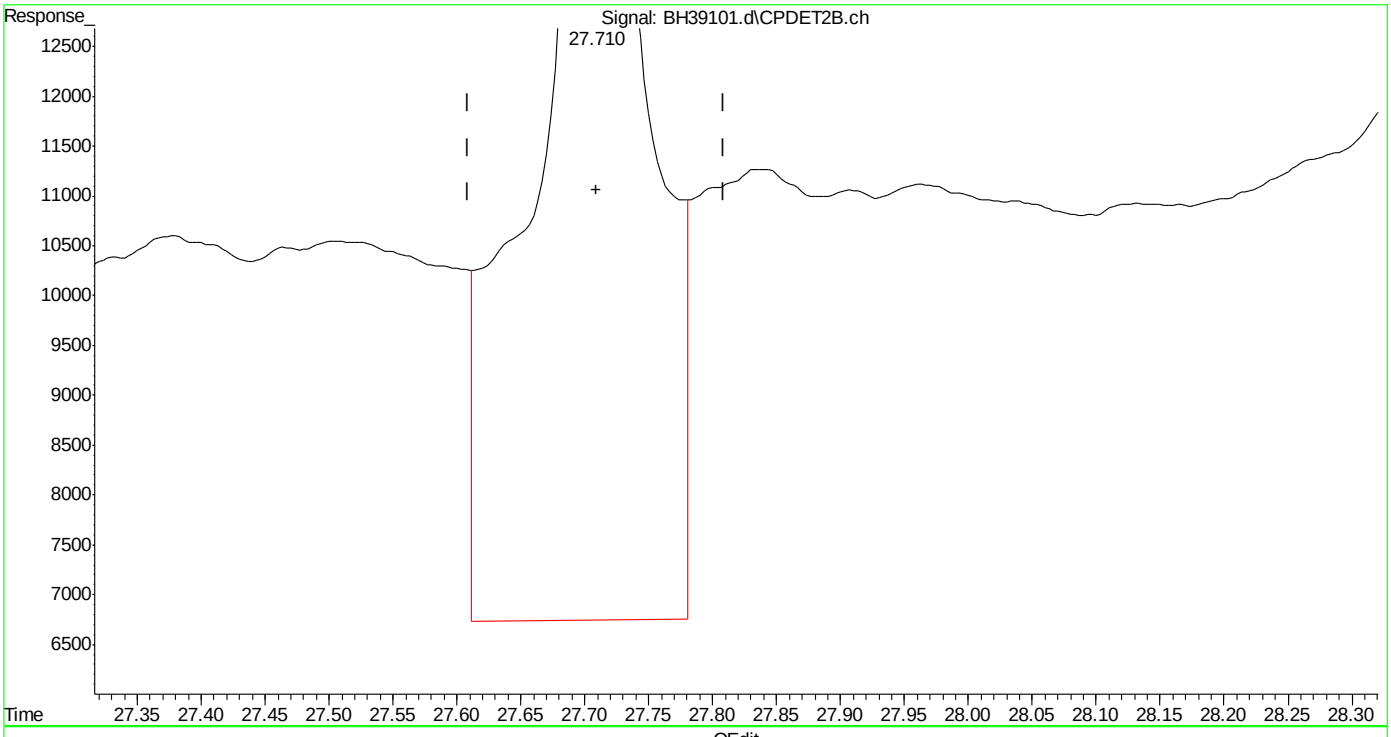
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    :  6 May 2016   9:02 am
Operator  : danielf
Sample    : mb,w,vmavph,00
Misc      : gc26216,gbh2299,,,,5,1
ALS Vial  : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(24) naphthalene #2 (t)

27.711min 1.126 ppb

response 615315

(+) = Expected Retention Time

bh160506vph.m Fri May 06 09:52:28 2016

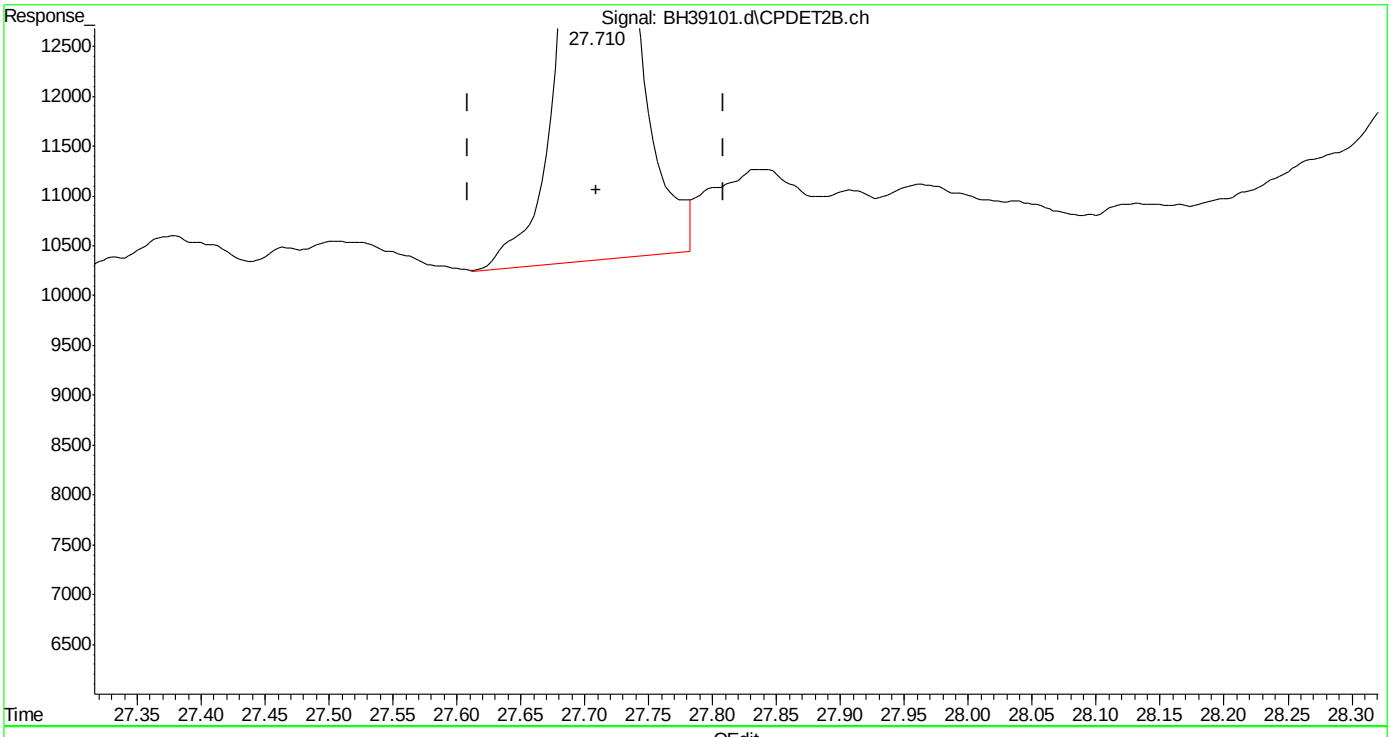
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39101.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:02 am
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:51:00 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 0.459 ppb m
response 250953

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:52:38 2016

SGS ACCUTEST MC45754

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/09/16 09:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:11:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.672	42022507	44.754	ppb	m
Spiked Amount 50.000		Recovery = 89.51%			
6) s 2,3,4-trifluorotoluene	19.786	34785976	42.793	ppb	
Spiked Amount 50.000		Recovery = 85.59%			
16) s fluorobenzene #2	14.672	18686528	45.979	ppb	m
Spiked Amount 50.000		Recovery = 91.96%			
18) s 2,3,4-trifluorotoluen...	19.785	11082697	43.636	ppb	m
Spiked Amount 50.000		Recovery = 87.27%			
Target Compounds					
1) h rt5.5-7	5.980	34446515	33.354	ppb	m
2) h rt7/10	8.250	40971601	39.672	ppb	m
3) h rt10/13	13.360	49050444	47.495	ppb	m
8) h rt20/25	21.460	44979149	37.396	ppb	m
10) h decane	23.856	45246870	37.619	ppb	m
11) h butylcyclohexane	24.940	50513922	41.998	ppb	m
14) t mtbe #2	9.016	13173236	46.847	ppb	m
15) t benzene #2	14.169	28469229	43.287	ppb	m
17) t toluene #2	18.666	26664106	43.238	ppb	m
19) t ethylbenzene #2	21.800	23523457	42.992	ppb	
20) t m,p-xylene #2	21.942	57739219	86.561	ppb	m
21) t o-xylene #2	22.754	24787720	42.580	ppb	m
22) t 1,3,5-trimethylbenzen...	24.253	36085178	43.182	ppb	m
23) t 1,2,4-trimethylbenzen...	24.789	27670560	42.959	ppb	m
24) t naphthalene #2	27.709	24995922	45.722	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	27701220	43.012	ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

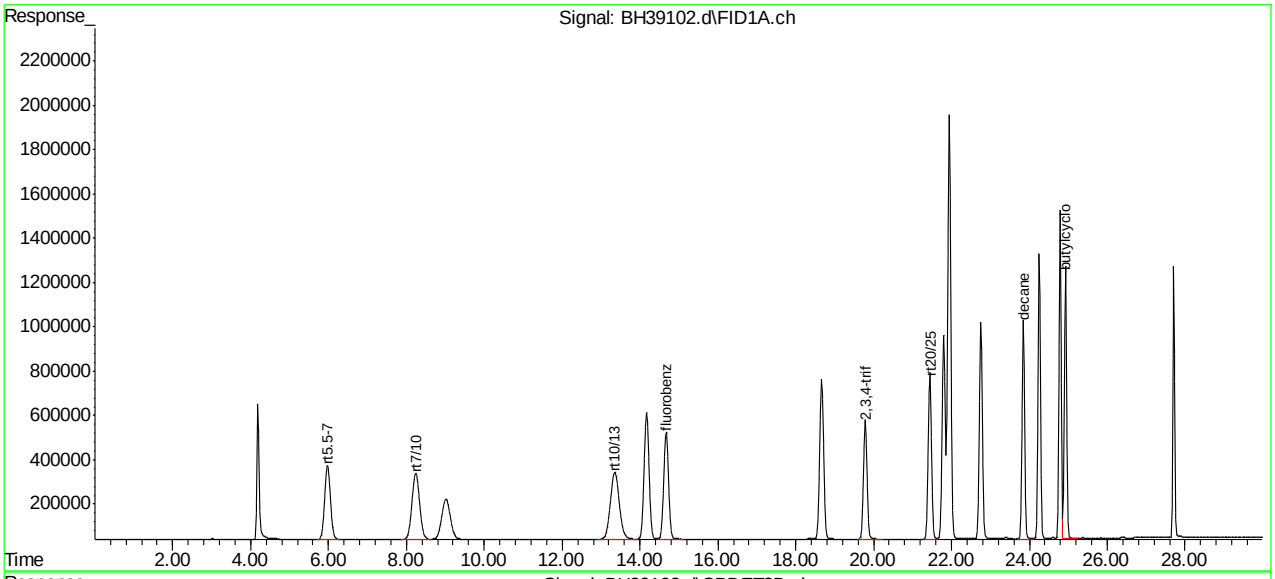
SGS ACCUTEST MC45754

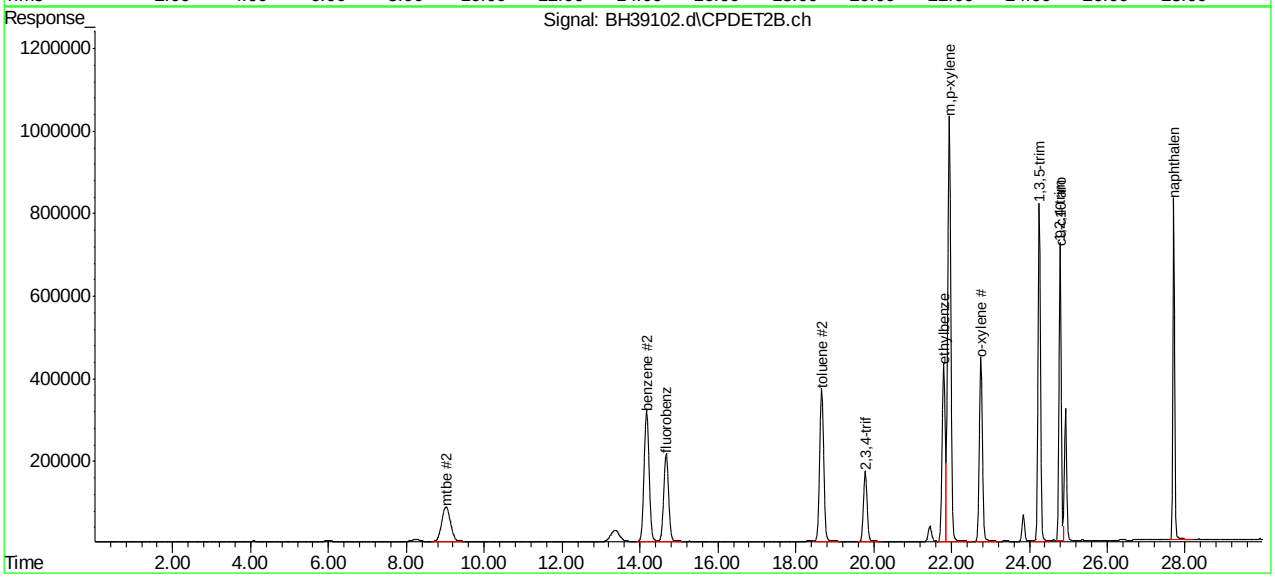
Quantitation Report (QT Reviewed)

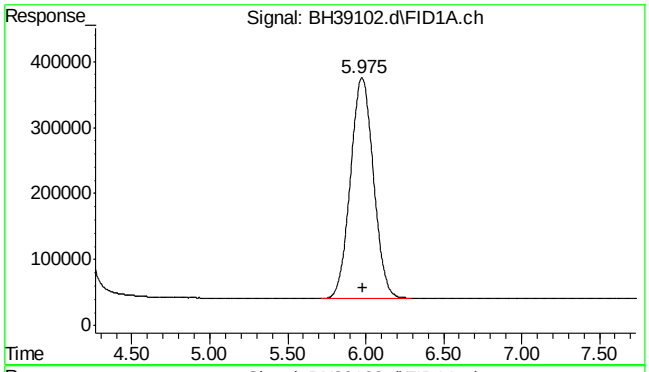
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:11:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

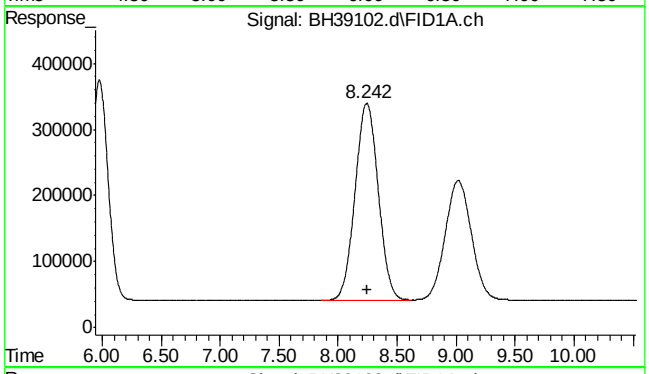






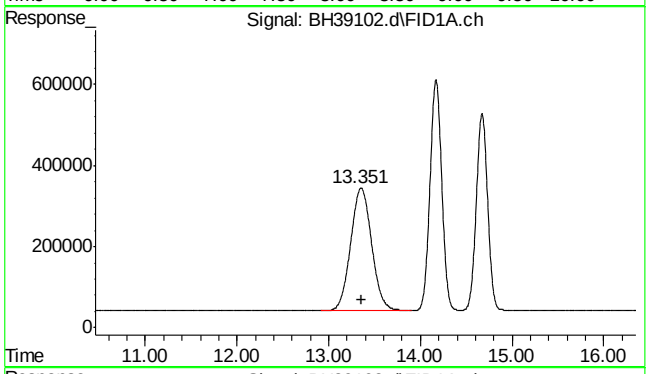
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 34446515
Conc: 33.35 ppb m



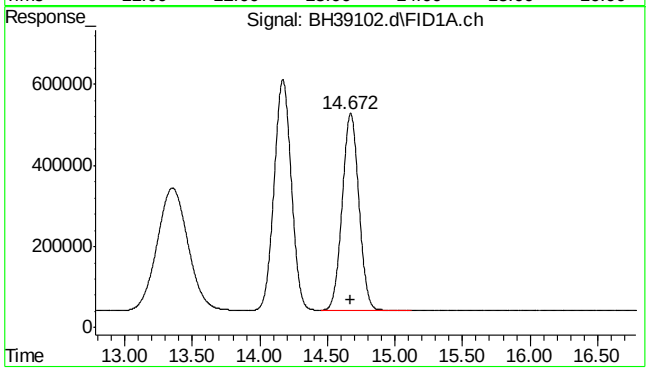
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 40971601
Conc: 39.67 ppb m



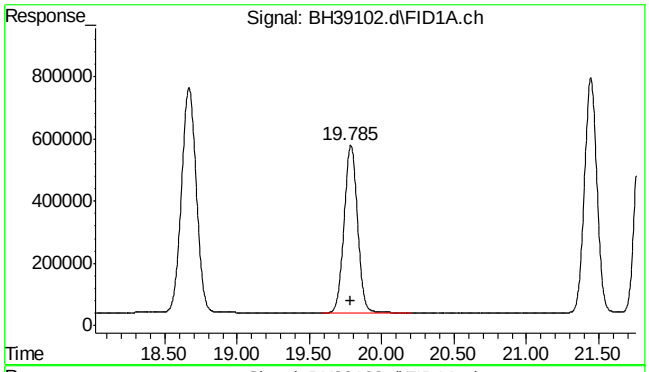
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 49050444
Conc: 47.49 ppb m



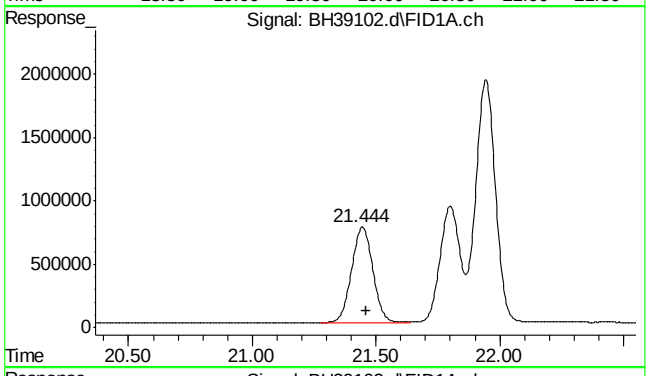
#4 fluorobenzene

R.T.: 14.672 min
Delta R.T.: 0.000 min
Response: 42022507
Conc: 44.75 ppb m



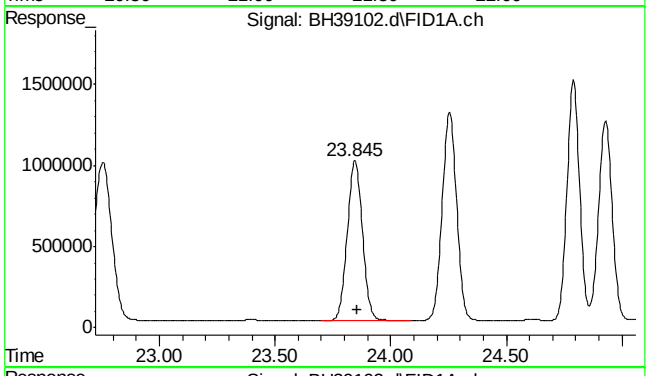
#6 2,3,4-trifluorotoluene

R.T.: 19.786 min
Delta R.T.: 0.000 min
Response: 34785976
Conc: 42.79 ppb



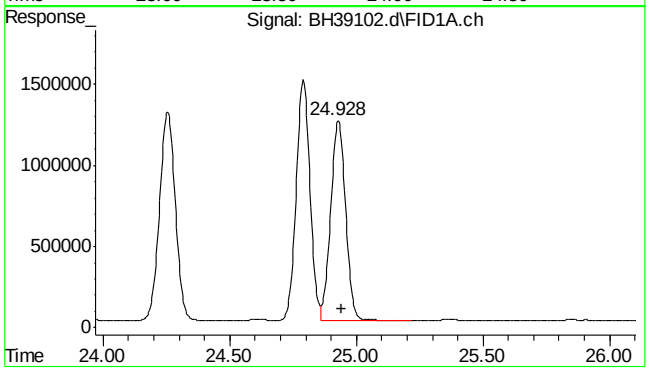
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 44979149
Conc: 37.40 ppb m



#10 decane

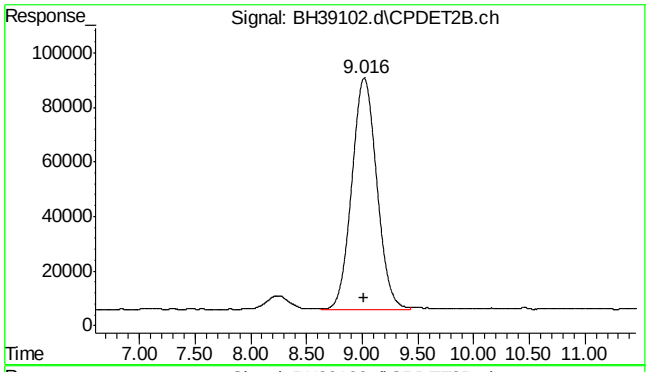
R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 45246870
Conc: 37.62 ppb m



#11 butylcyclohexane

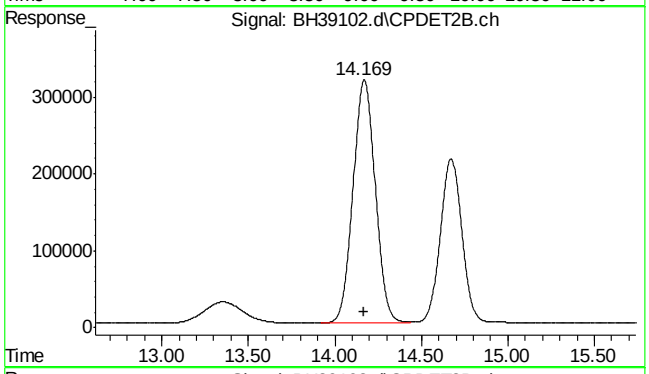
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 50513922
Conc: 42.00 ppb m

SGS ACCUTEST MC45754



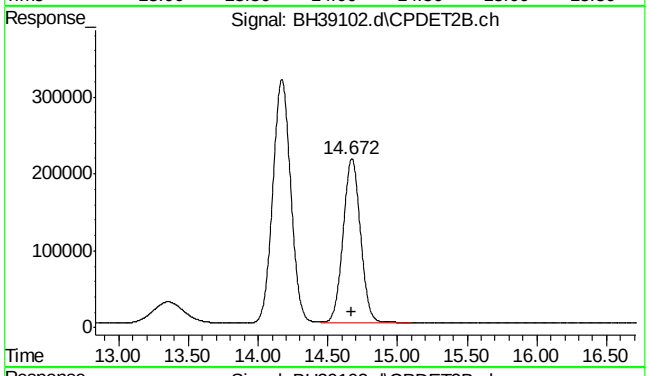
#14 mtbe #2

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 13173236
Conc: 46.85 ppb m



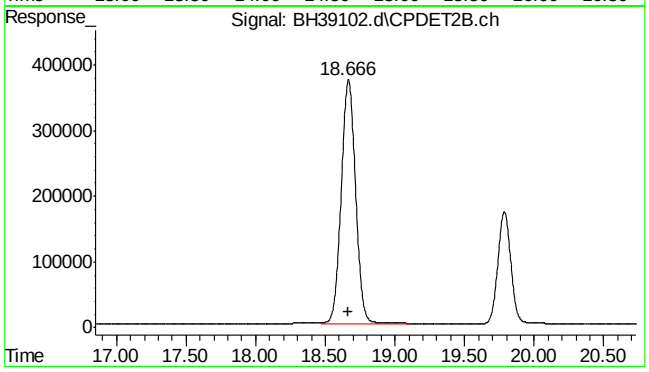
#15 benzene #2

R.T.: 14.169 min
Delta R.T.: 0.000 min
Response: 28469229
Conc: 43.29 ppb m



#16 fluorobenzene #2

R.T.: 14.672 min
Delta R.T.: 0.000 min
Response: 18686528
Conc: 45.98 ppb m



#17 toluene #2

R.T.: 18.666 min
Delta R.T.: 0.000 min
Response: 26664106
Conc: 43.24 ppb m

7.3.1

7

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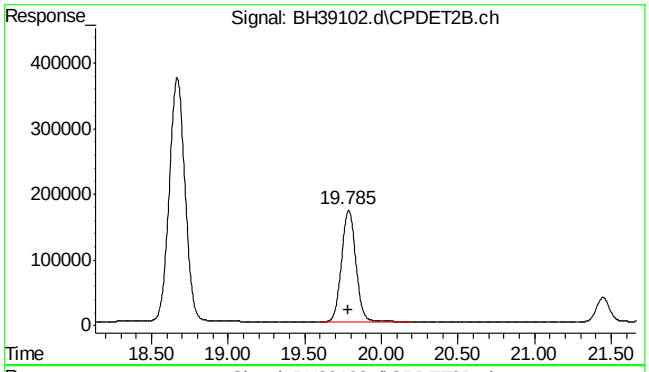
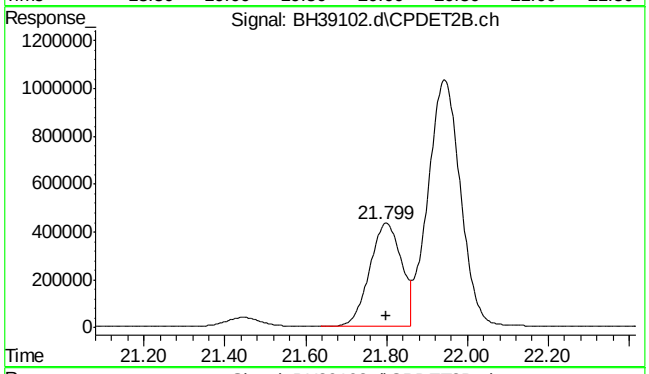


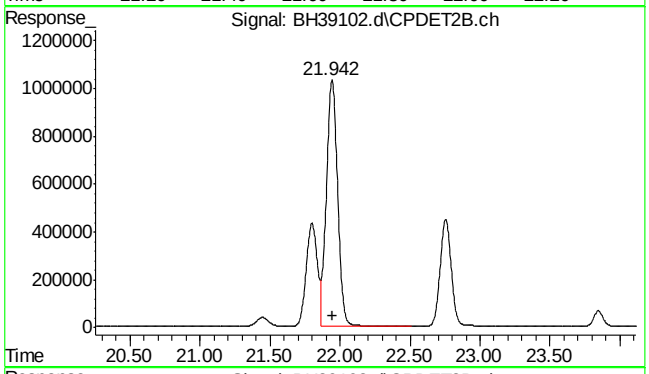
#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 11082697
Conc: 43.64 ppb m



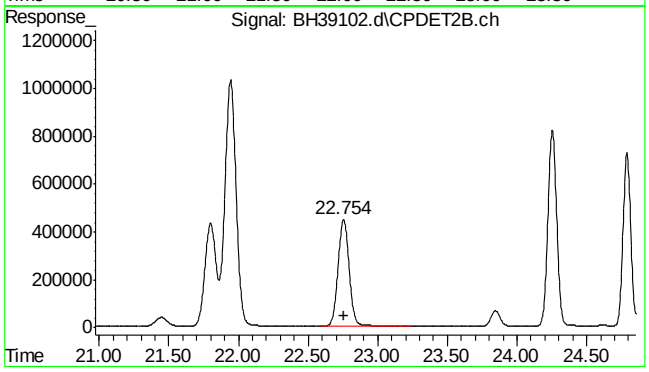
#19 ethylbenzene #2

R.T.: 21.800 min
Delta R.T.: 0.000 min
Response: 23523457
Conc: 42.99 ppb



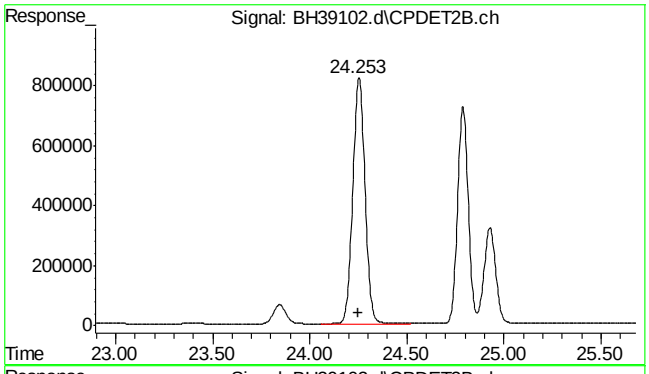
#20 m,p-xylene #2

R.T.: 21.942 min
Delta R.T.: -0.001 min
Response: 57739219
Conc: 86.56 ppb m



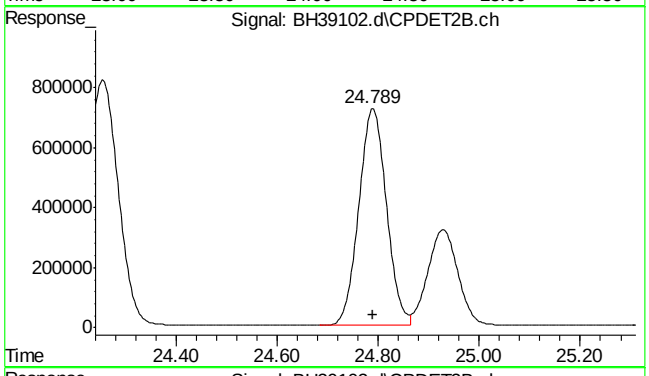
#21 o-xylene #2

R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 24787720
Conc: 42.58 ppb m



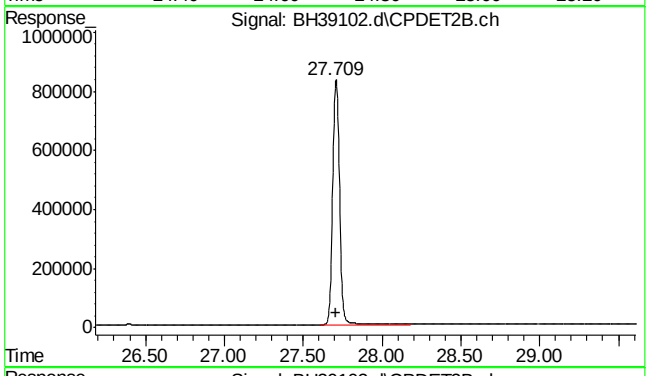
#22 1,3,5-trimethylbenzene #2

R.T.: 24.253 min
Delta R.T.: 0.000 min
Response: 36085178
Conc: 43.18 ppb m



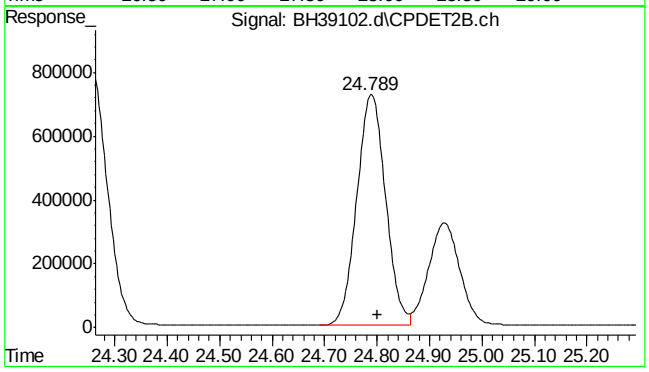
#23 1,2,4-trimethylbenzene #2

R.T.: 24.789 min
Delta R.T.: 0.000 min
Response: 27670560
Conc: 42.96 ppb m



#24 naphthalene #2

R.T.: 27.709 min
Delta R.T.: 0.000 min
Response: 24995922
Conc: 45.72 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 27701220
Conc: 43.01 ppb m

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(4) fluorobenzene (s)
14.673min 45.124 ppb
response 42370479

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:08:38 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(4) fluorobenzene (s)
14.672min 44.754 ppb m
response 42022507

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:08:45 2016

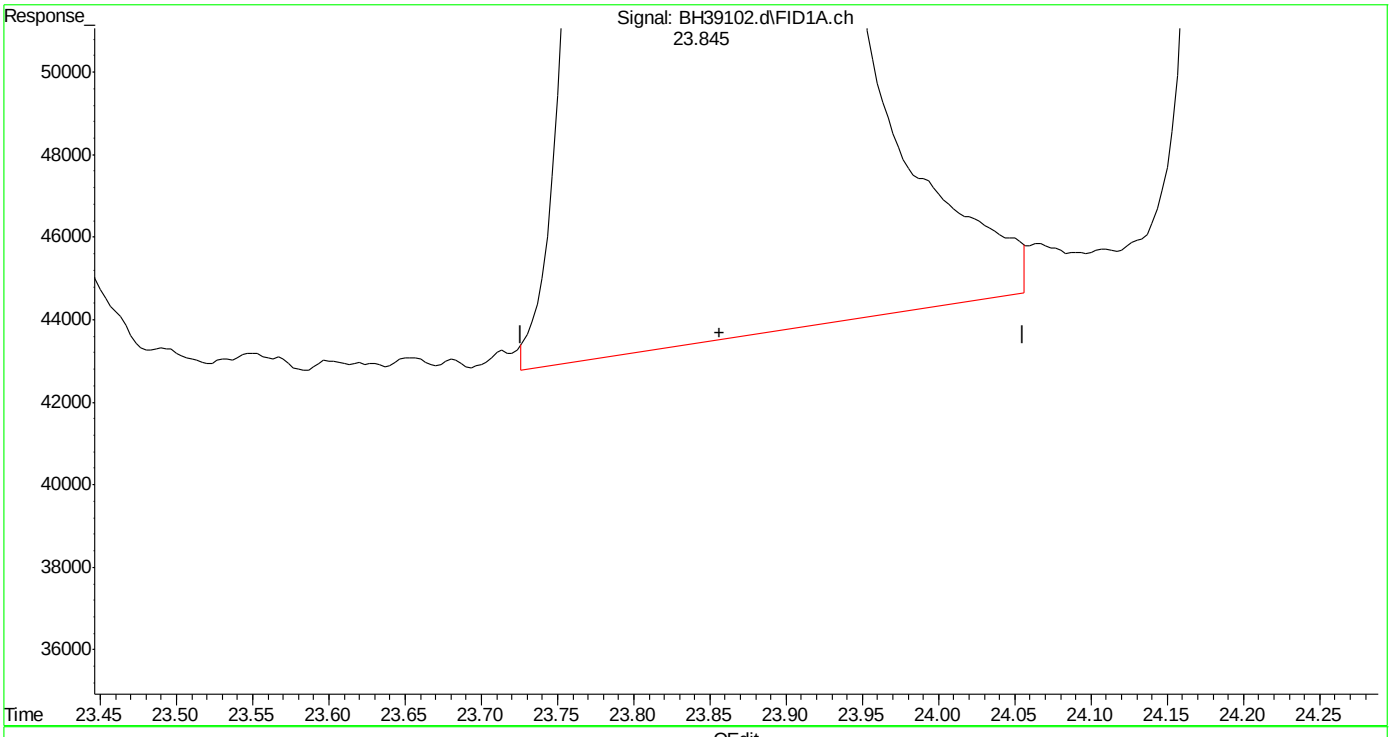
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 37.437 ppb
response 45027662

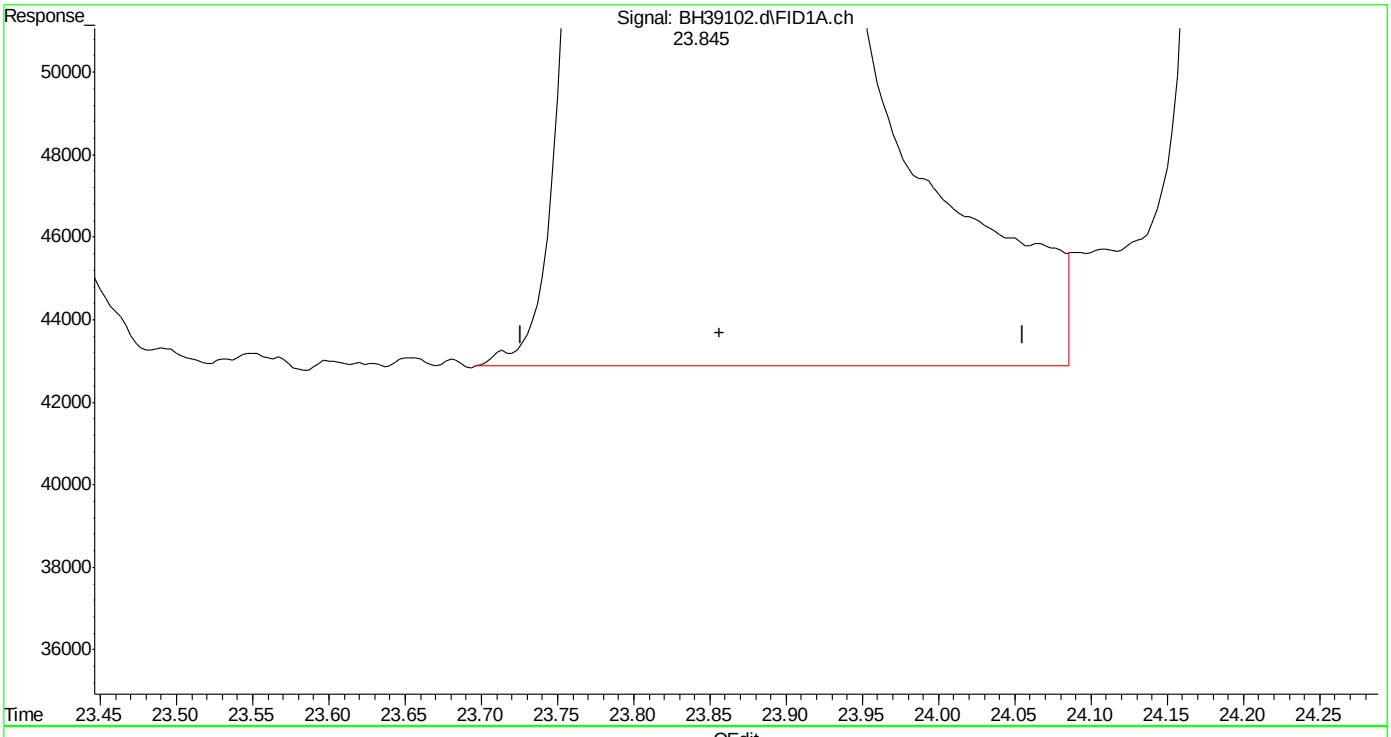
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:09:03 2016 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    :  6 May 2016   9:37 am
Operator  : danielf
Sample    : bsp,w,vmavph,00
Misc      : gc26216,gbh2299,,,,5,1
ALS Vial  : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(10) decane (h)

23.856min 37.619 ppb m

response 45246870

(+) = Expected Retention Time

bh160506vph.m Fri May 06 10:09:09 2016

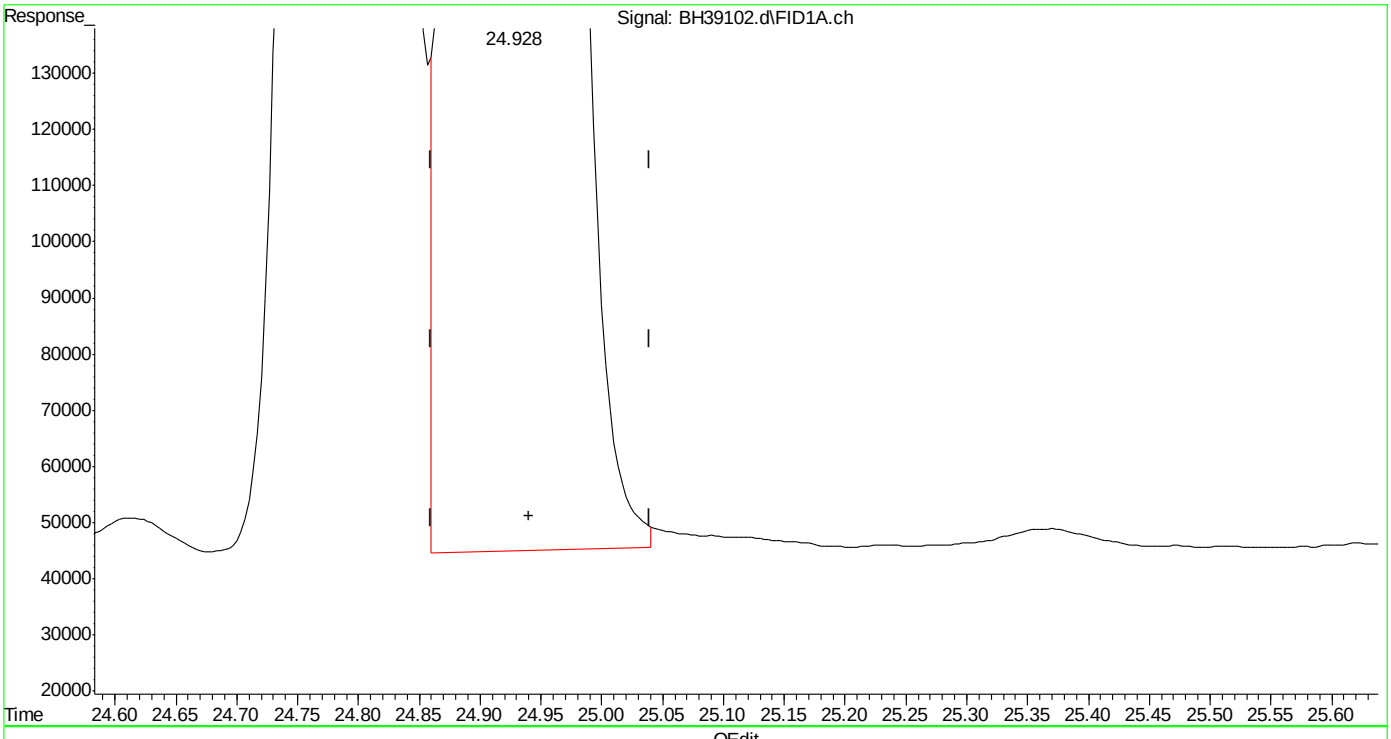
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 41.632 ppb
response 50073442

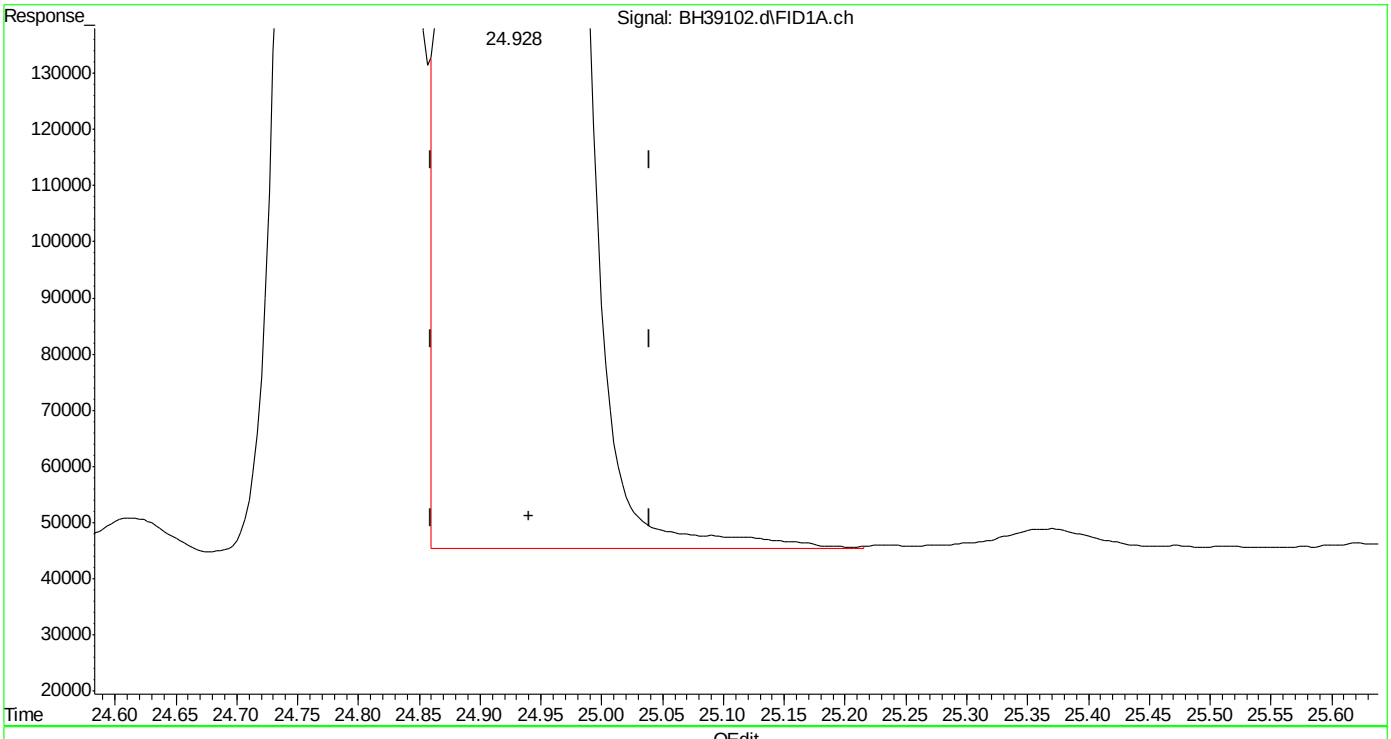
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:09:18 2016 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    :  6 May 2016   9:37 am
Operator  : danielf
Sample    : bsp,w,vmavph,00
Misc      : gc26216,gbh2299,,,,5,1
ALS Vial  : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(11) butylcyclohexane (h)

24.940min 41.998 ppb m

response 50513922

(+) = Expected Retention Time

bh160506vph.m Fri May 06 10:09:29 2016

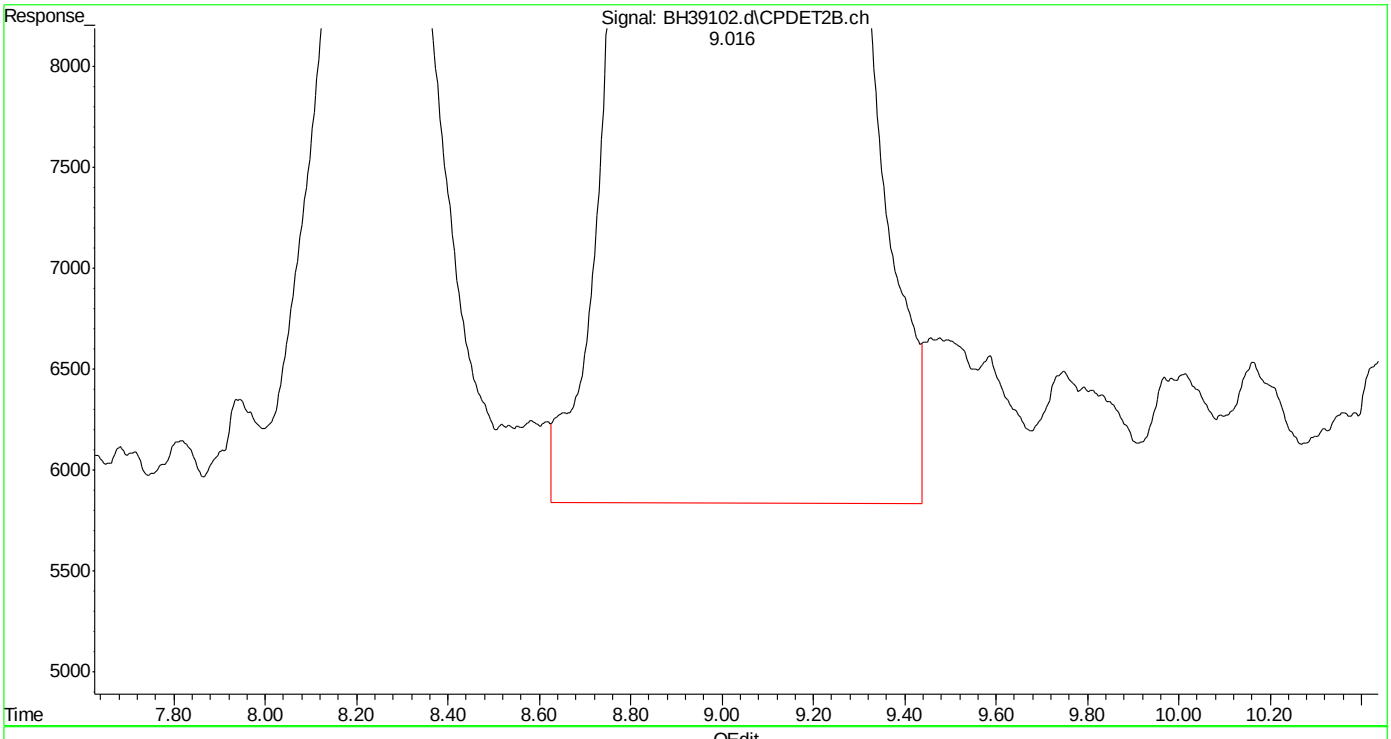
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.018min 47.068 ppb
response 13235434

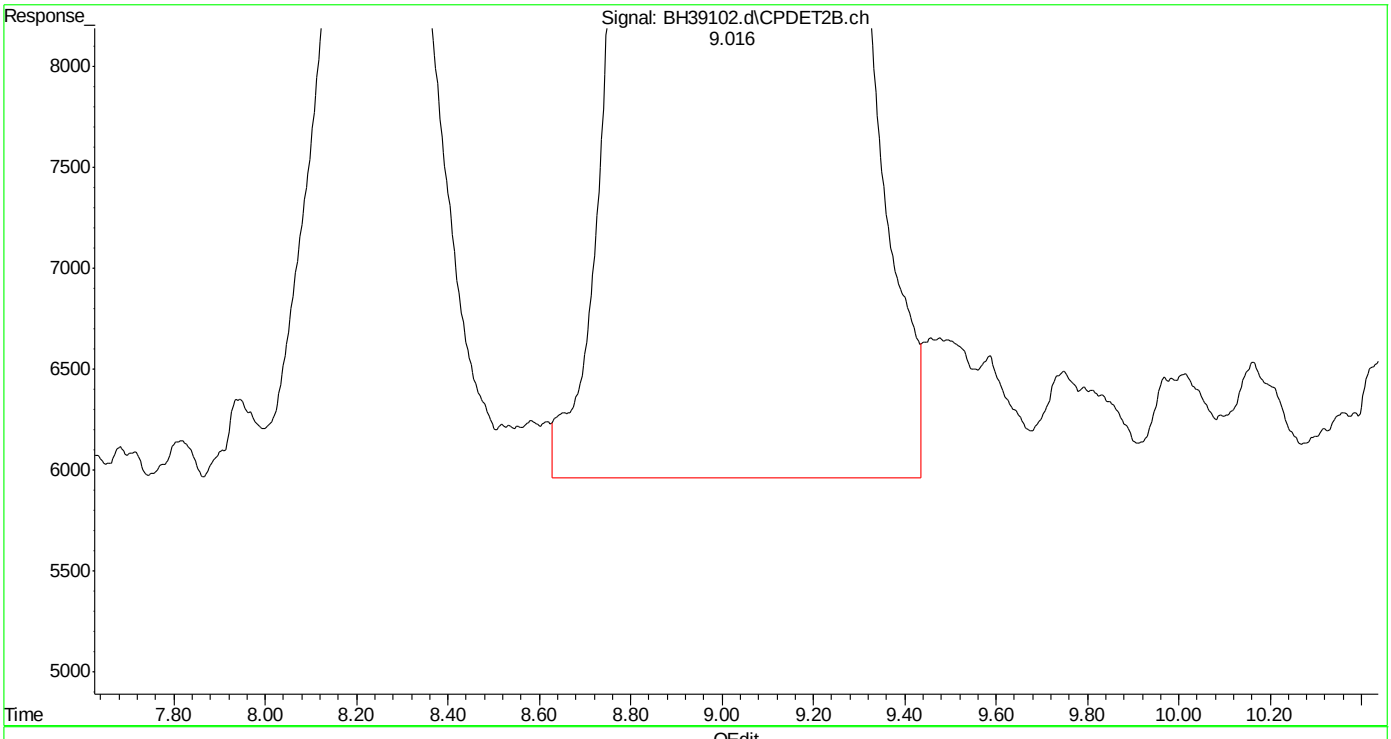
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:09:34 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.016min 46.847 ppb m
response 13173236

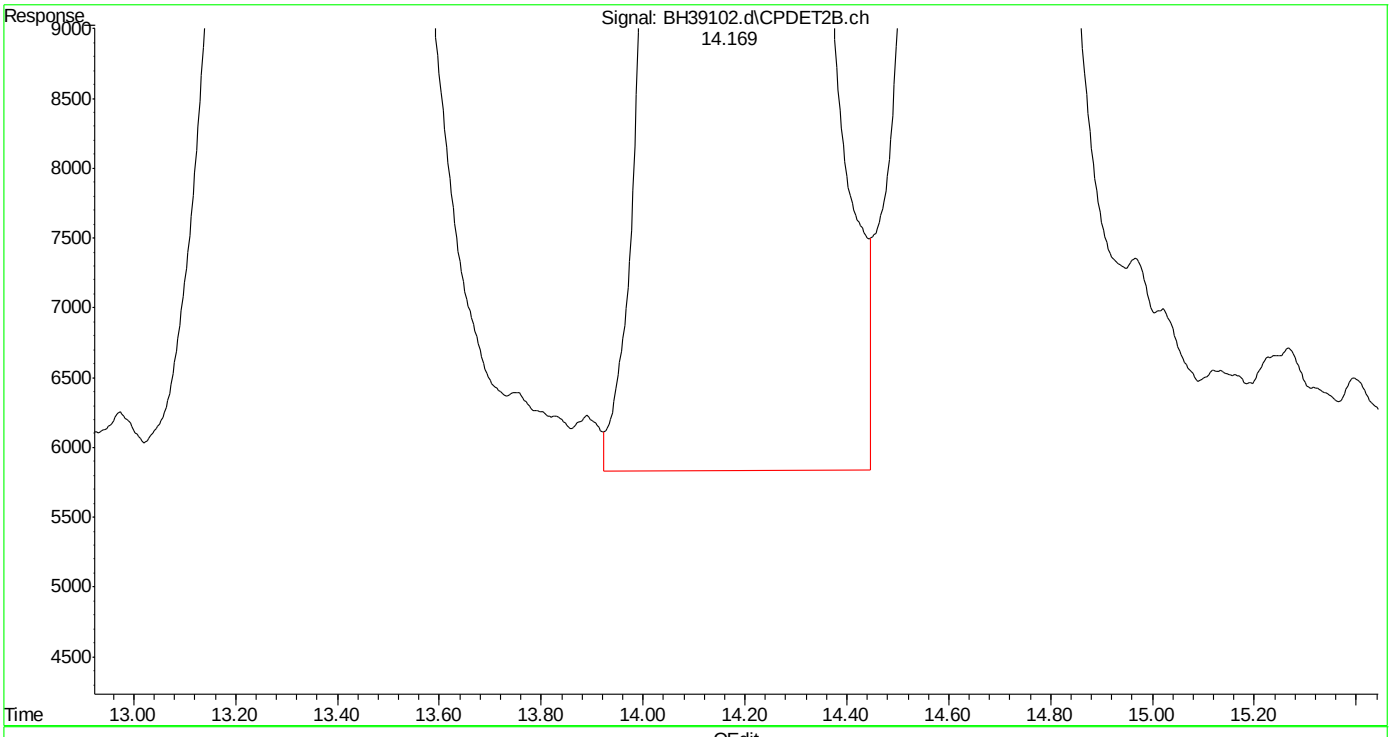
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:09:40 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.171min 43.302 ppb
response 28478651

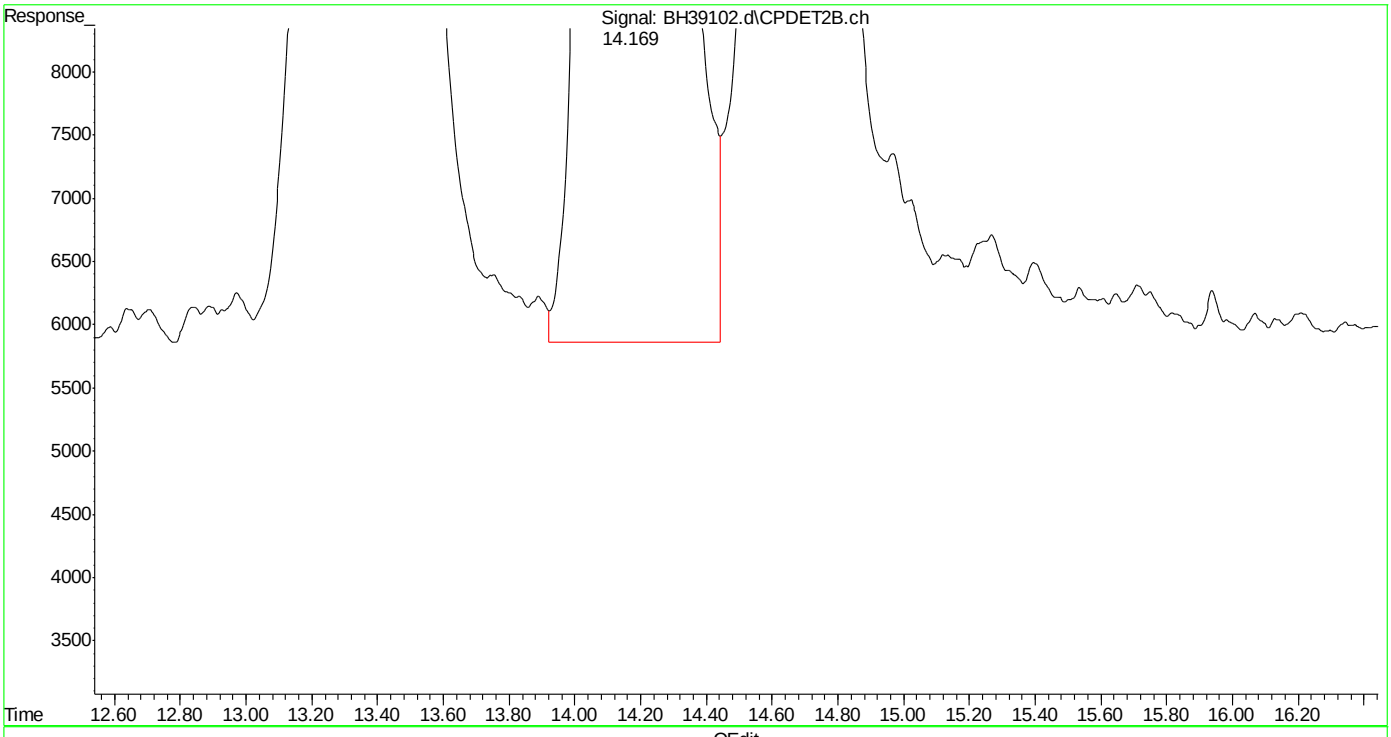
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:09:46 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.169min 43.287 ppb m
response 28469229

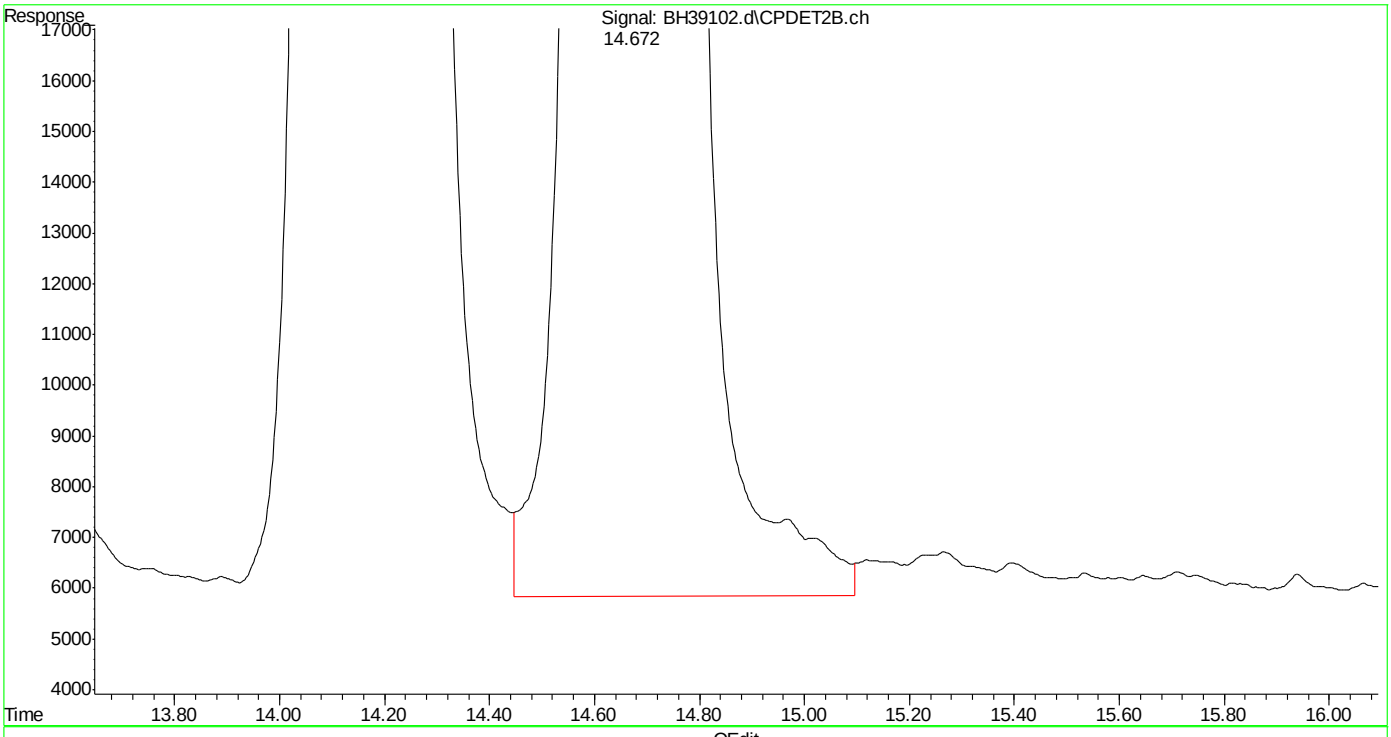
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:10:01 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.673min 46.263 ppb
response 18802100

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:10:09 2016

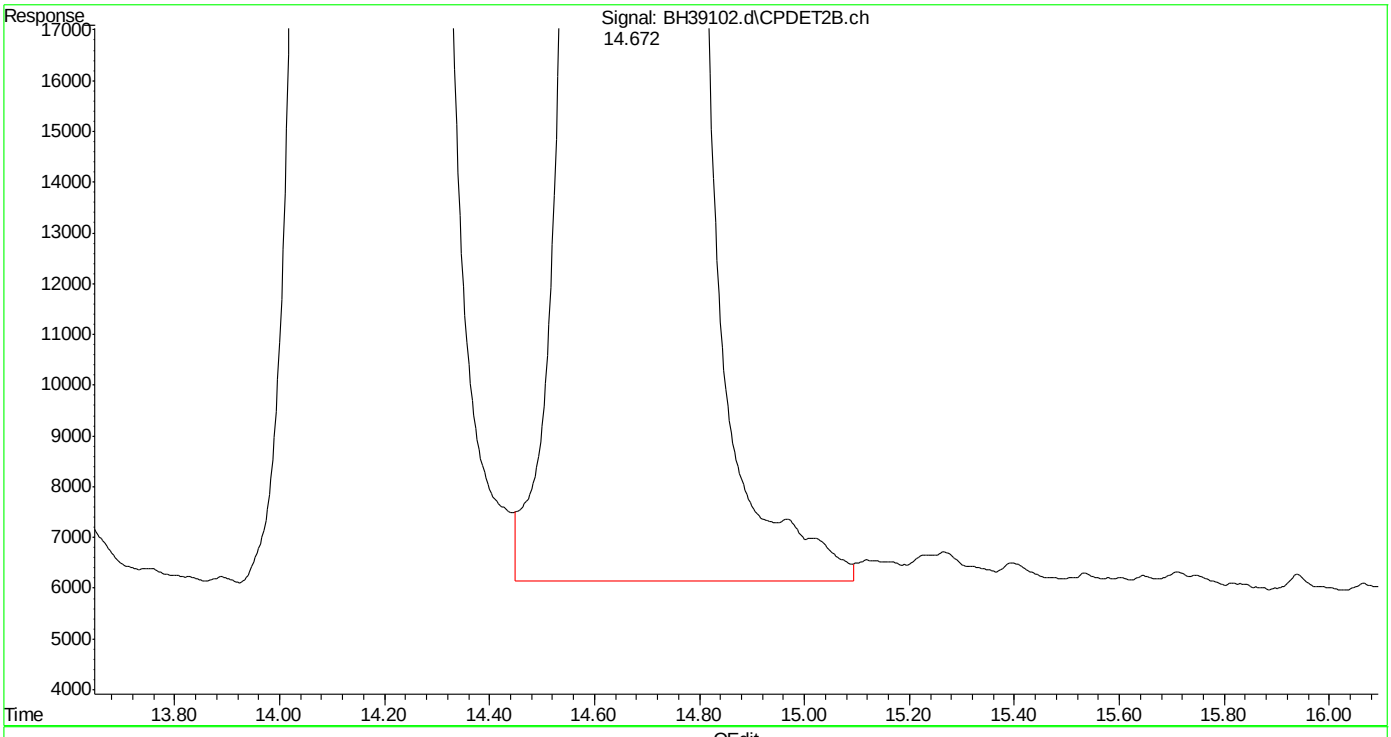
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.672min 45.979 ppb m
response 18686528

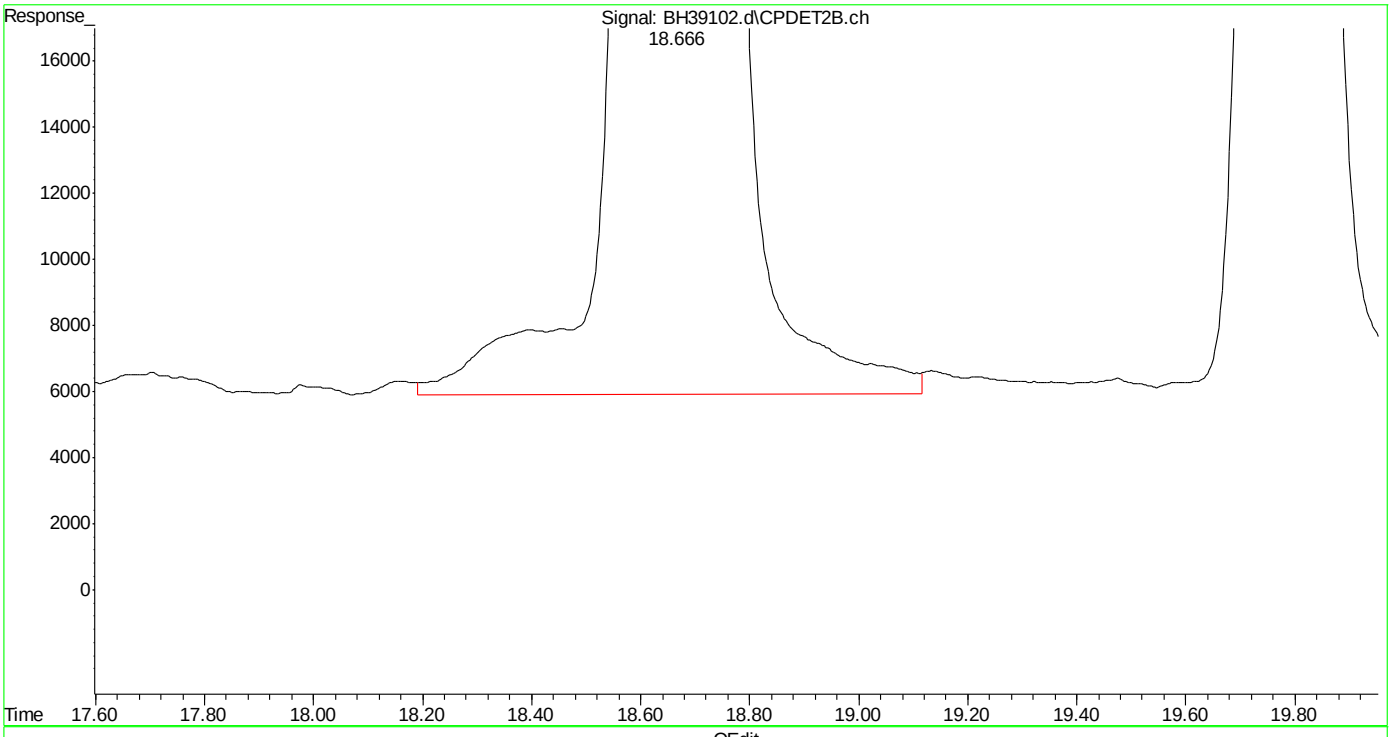
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:10:21 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.667min 43.779 ppb
response 26998236

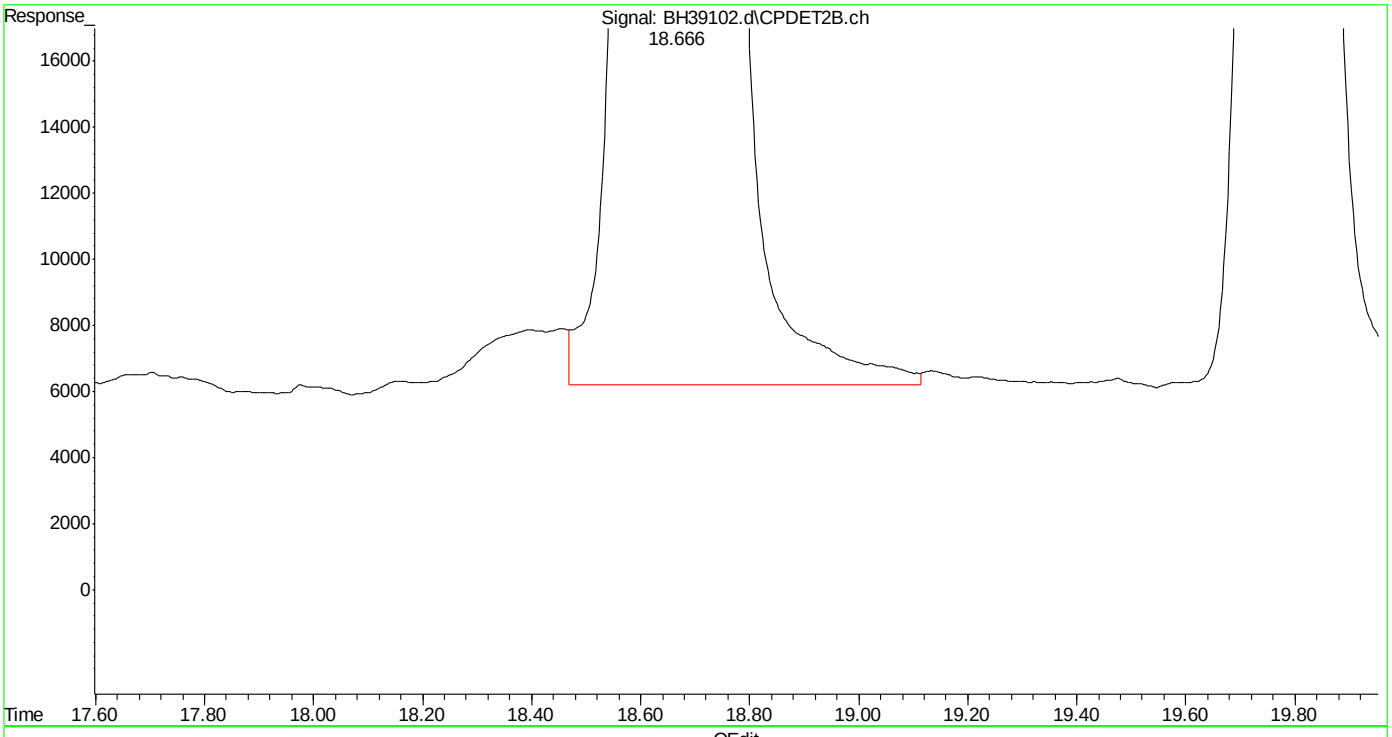
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:10:24 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 43.238 ppb m
response 26664106

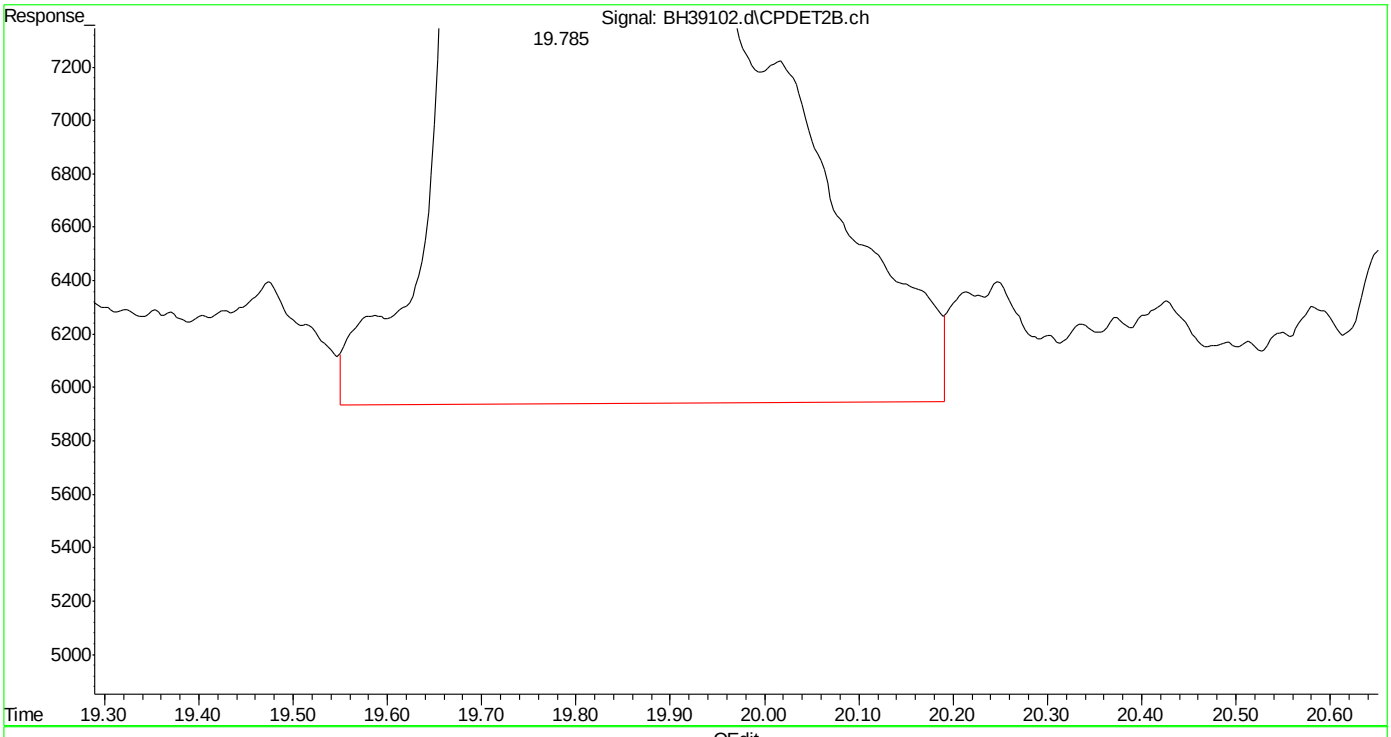
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:10:31 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 43.910 ppb
response 11152173

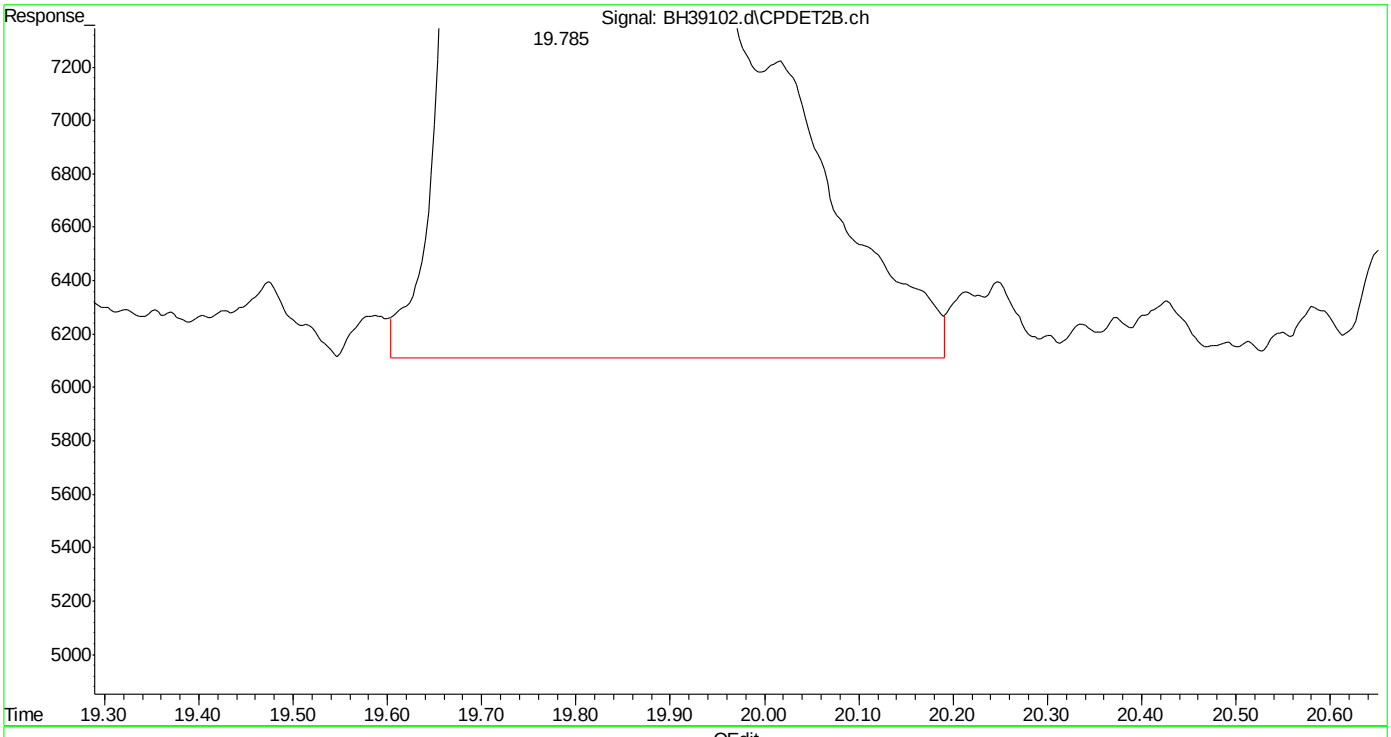
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:10:35 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 43.636 ppb m
response 11082697

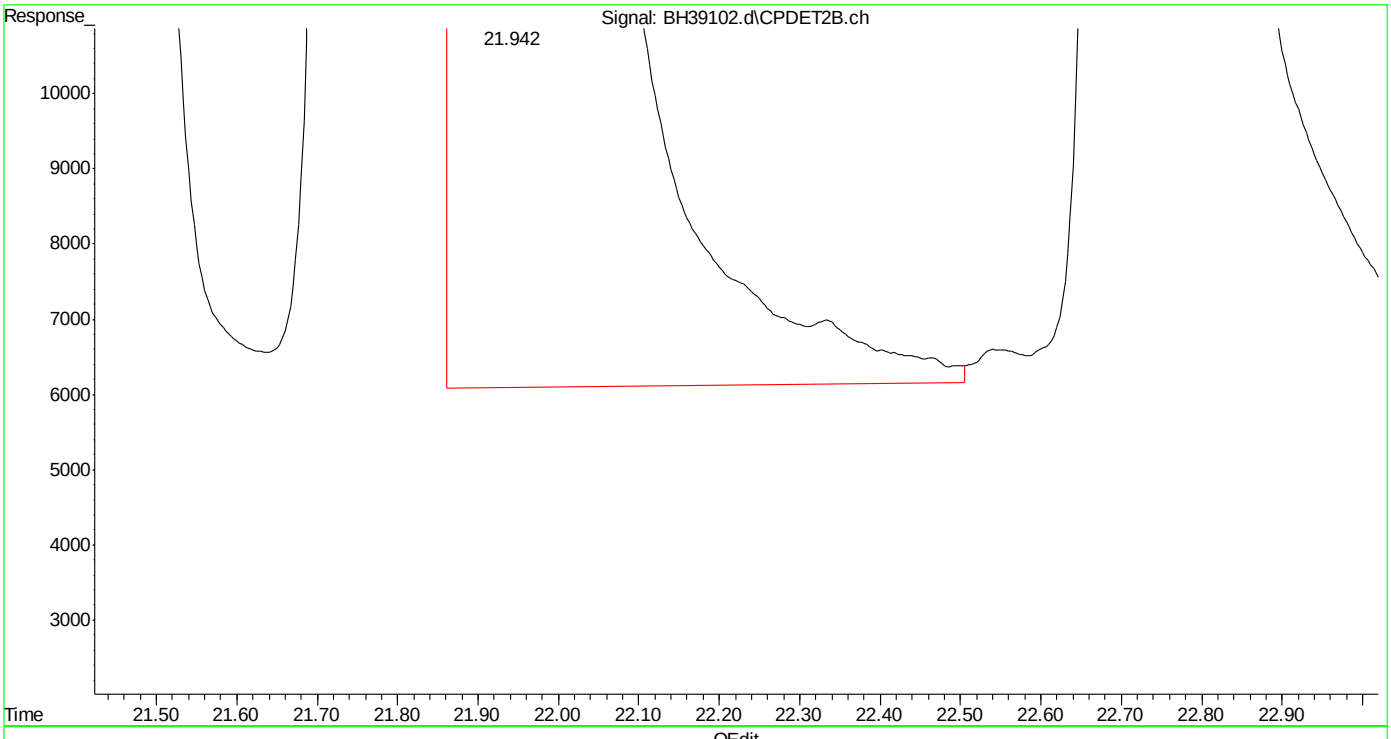
(+) = Expected Retention Time

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    :  6 May 2016   9:37 am
Operator  : danielf
Sample    : bsp,w,vmavph,00
Misc      : gc26216,gbh2299,,,,5,1
ALS Vial  : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(20) m,p-xylene #2 (t)

21.944min 87.195 ppb

response 58162270

(+) = Expected Retention Time

bh160506vph.m Fri May 06 10:10:51 2016

Page: 1

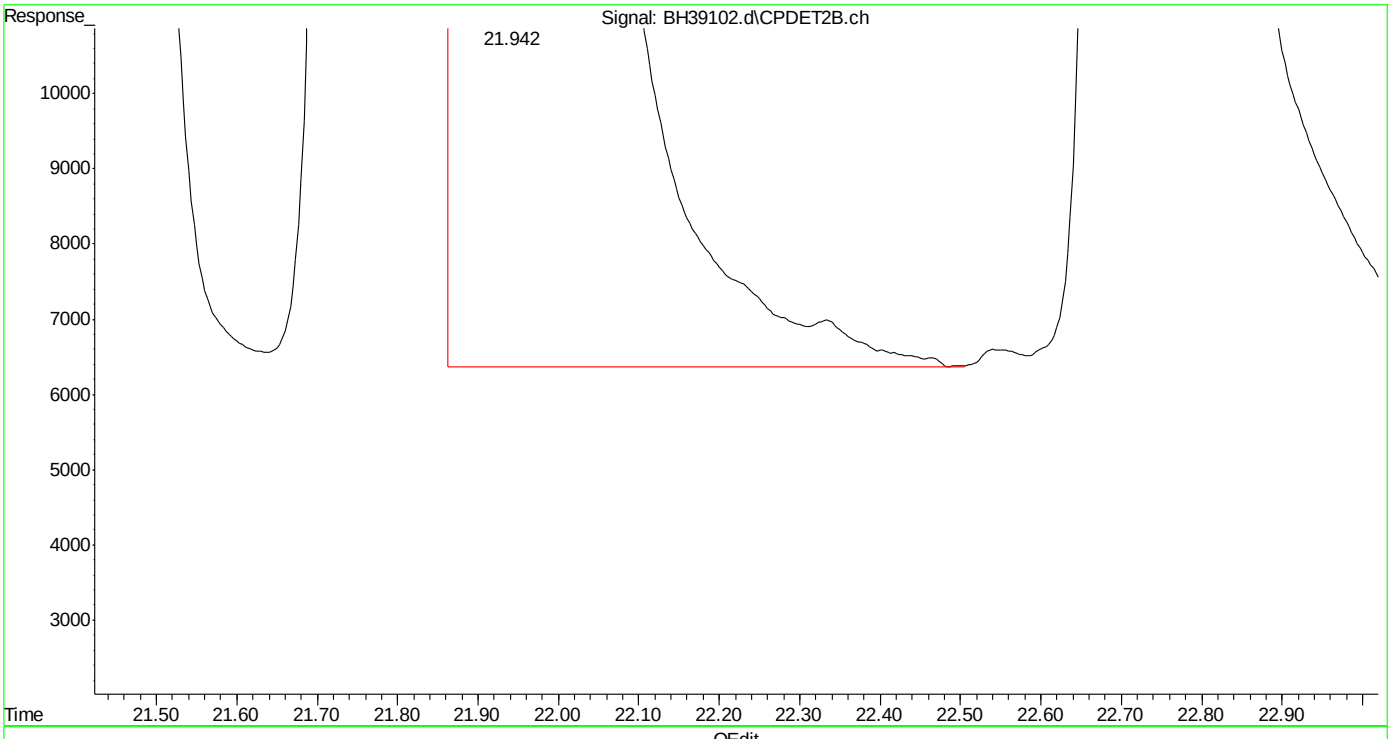
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.942min 86.561 ppb m
response 57739219

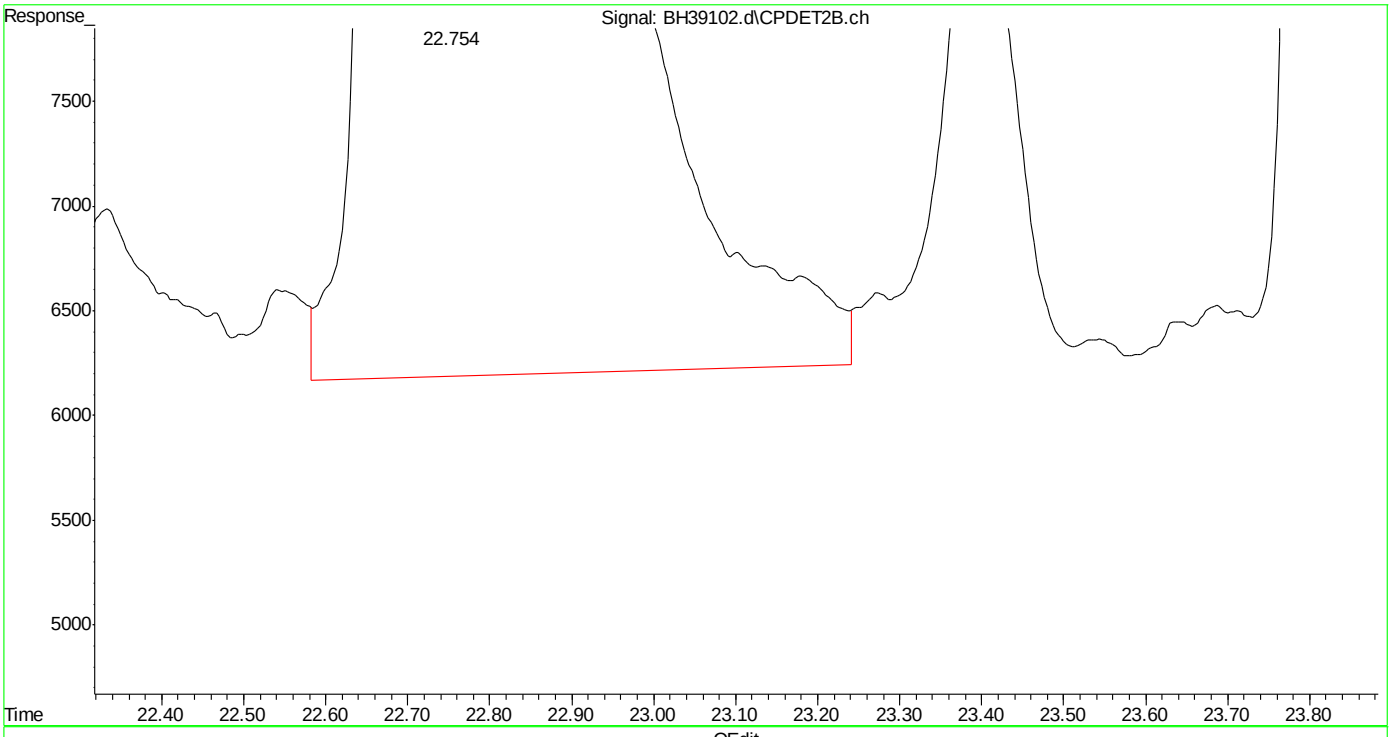
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:10:57 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.756min 42.693 ppb
response 24853695

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:11:01 2016

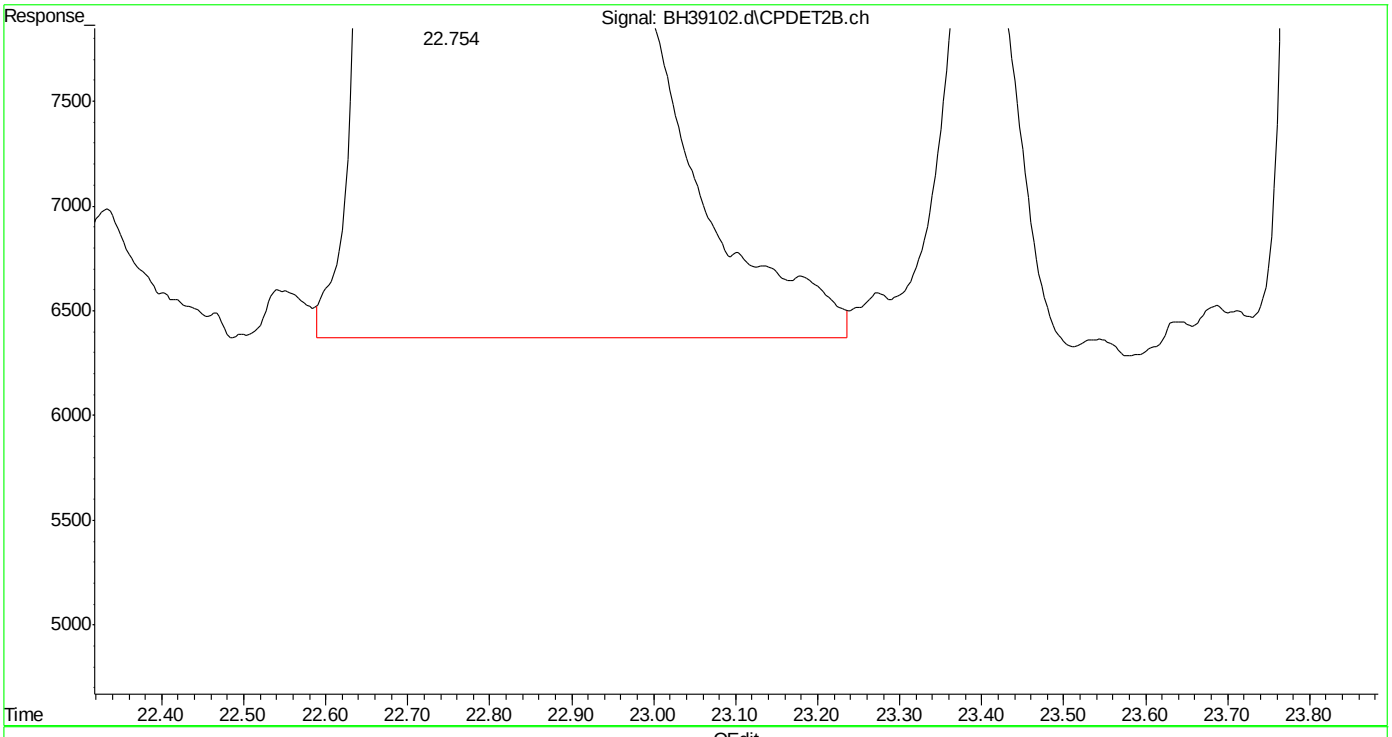
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 42.580 ppb m
response 24787720

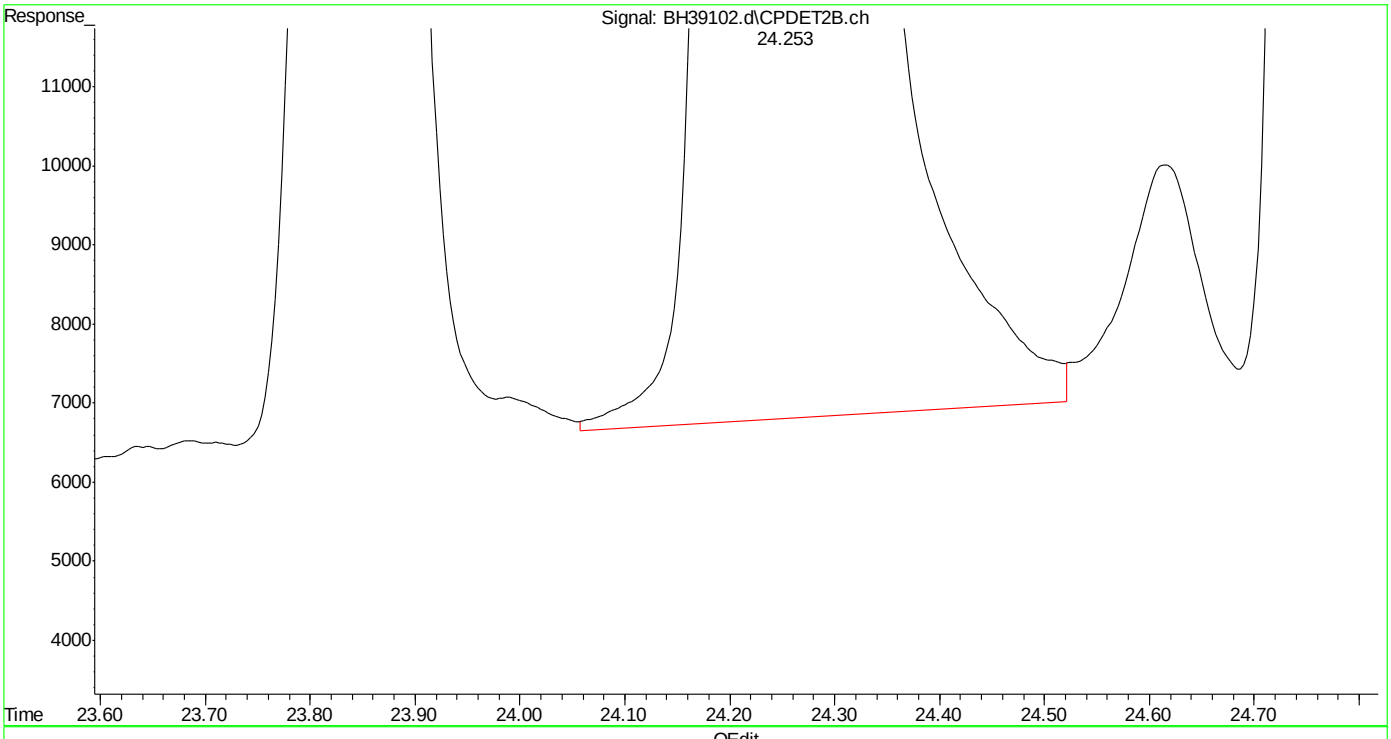
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:11:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)
24.255min 43.060 ppb
response 35983003

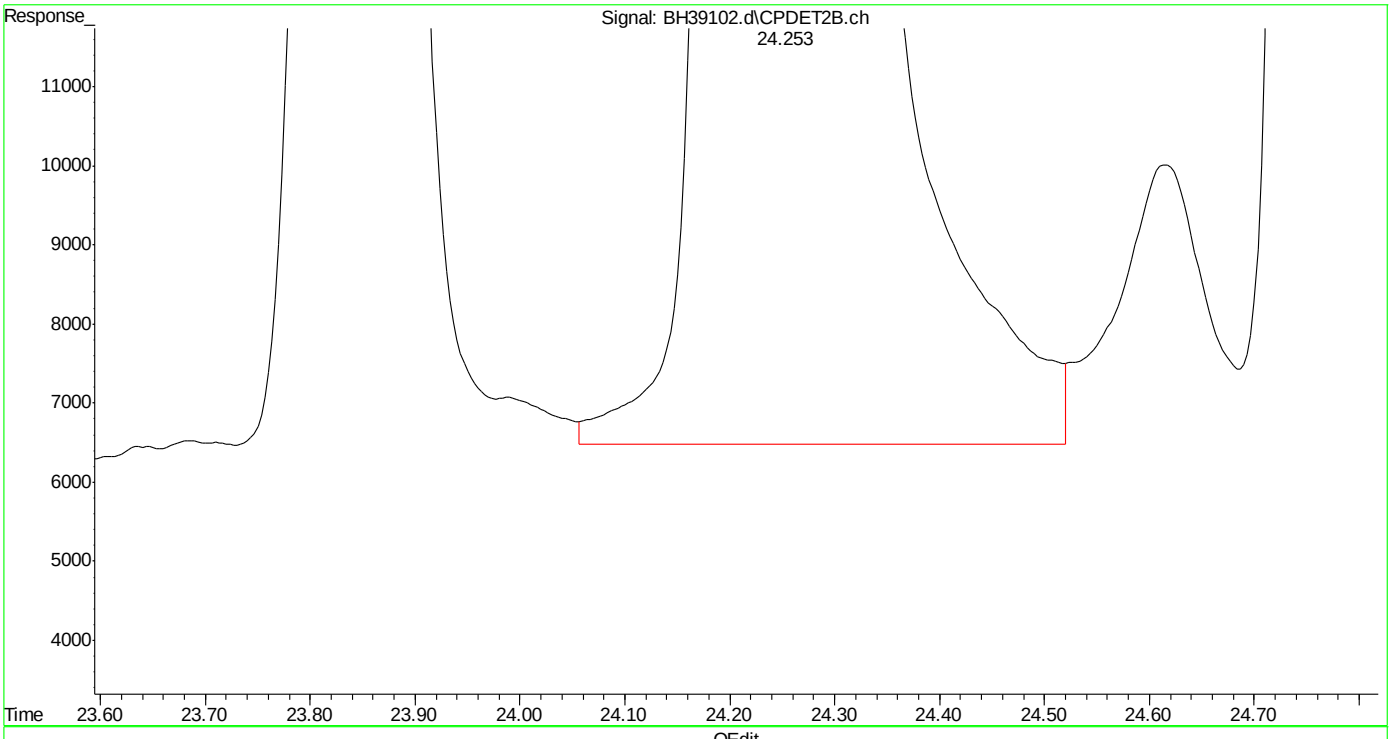
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:11:19 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)
24.253min 43.182 ppb m
response 36085178

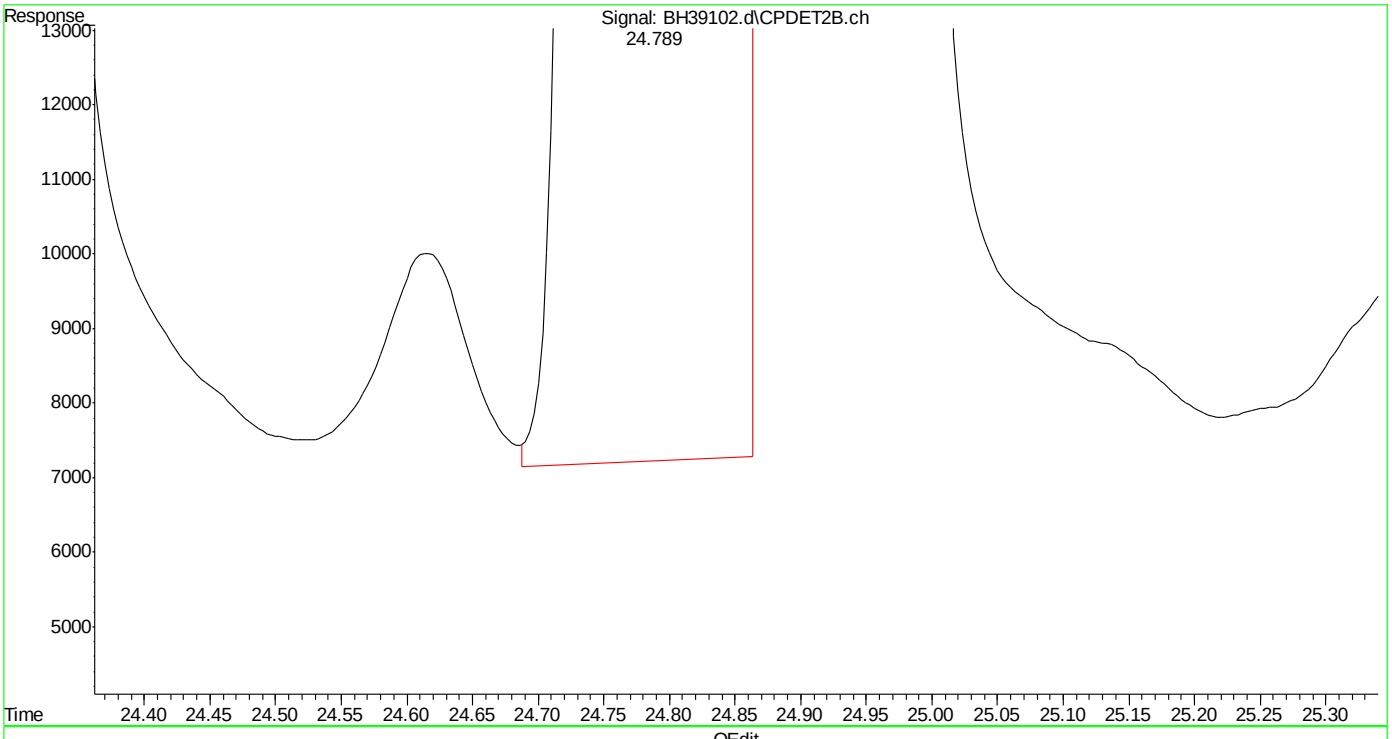
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:11:26 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)

24.790min 42.853 ppb

response 27602702

(+) = Expected Retention Time

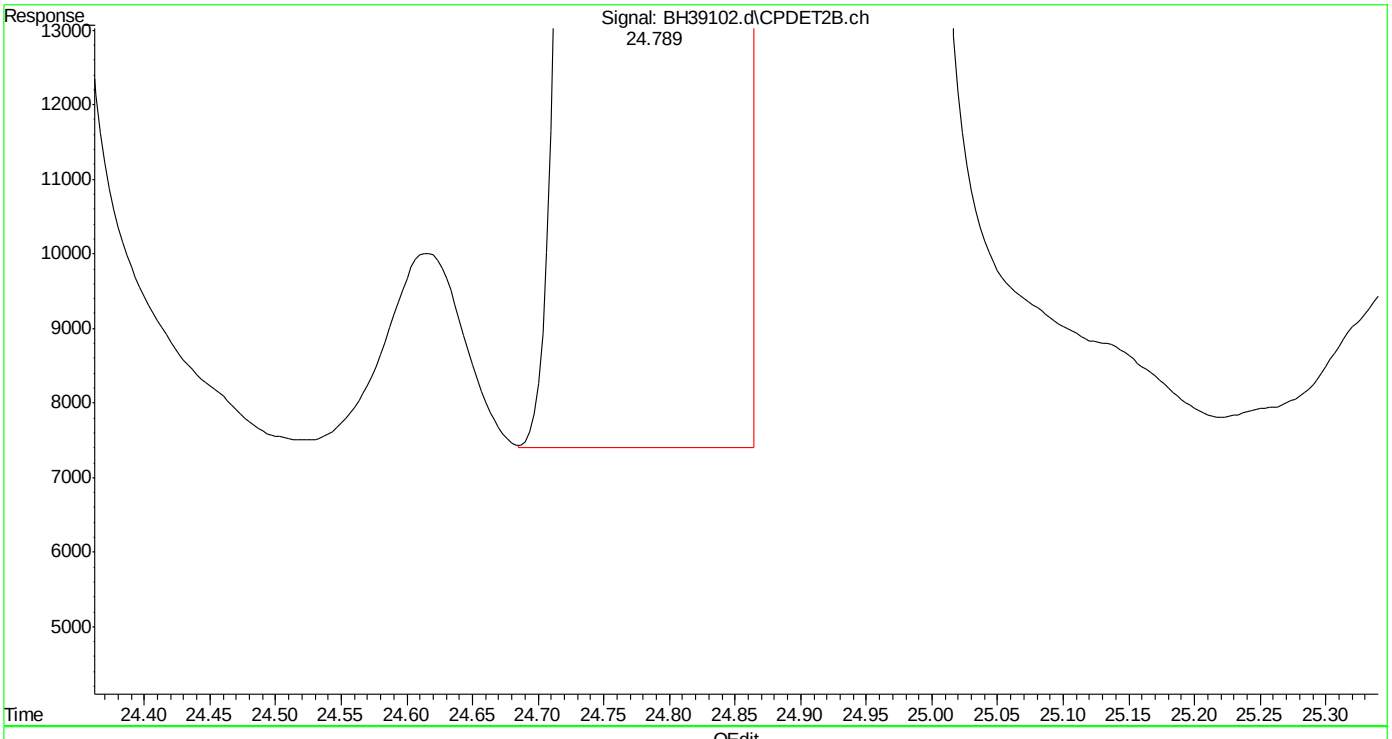
bh160506vph.m Fri May 06 10:11:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)

24.789min 42.959 ppb m

response 27670560

(+) = Expected Retention Time

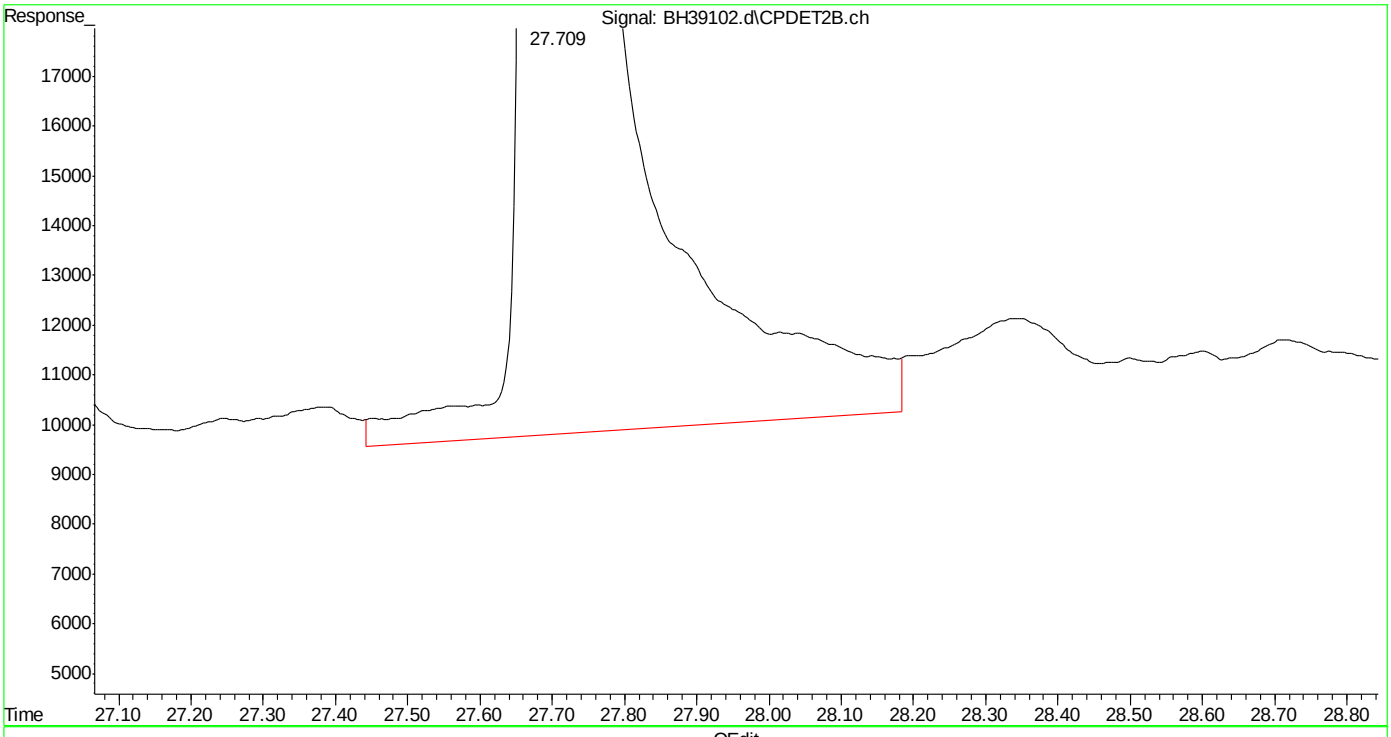
bh160506vph.m Fri May 06 10:11:37 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 46.244 ppb
response 25281750

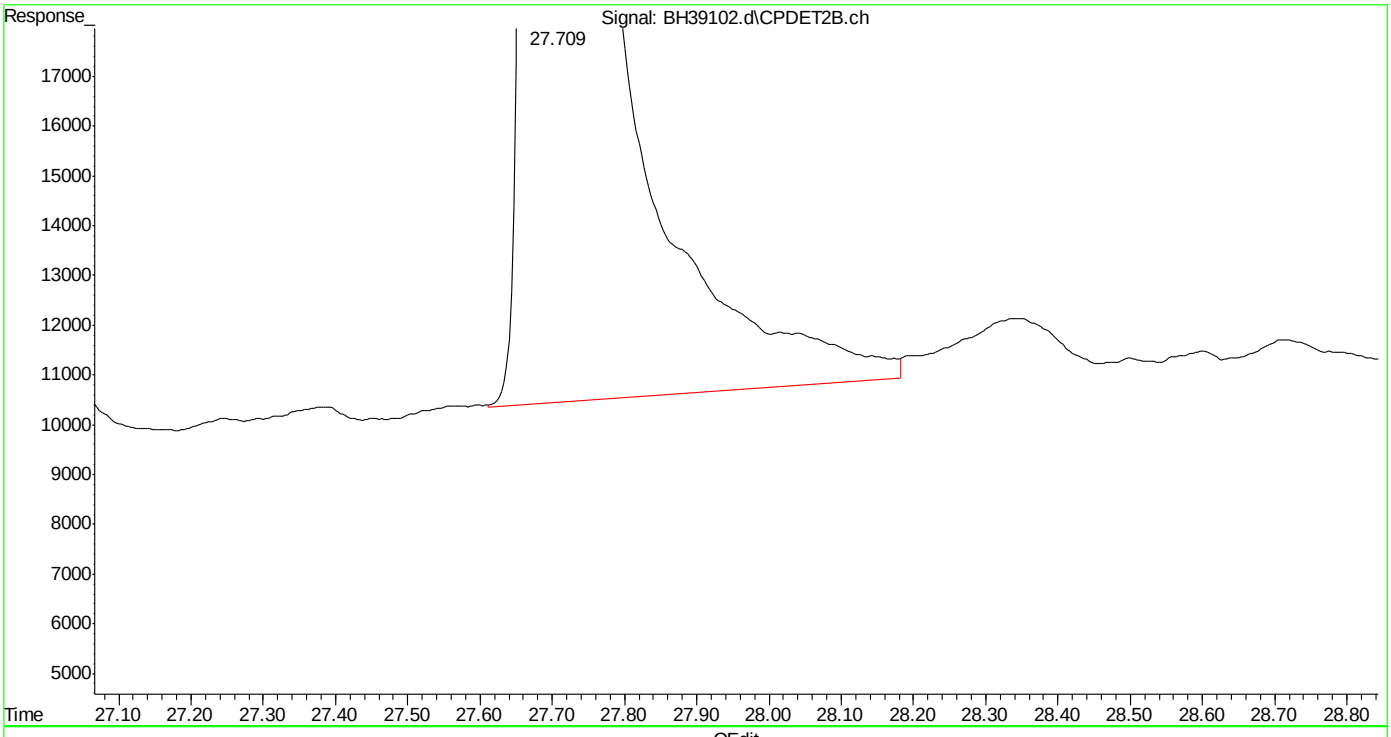
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:11:41 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39102.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 9:37 am
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:08:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.709min 45.722 ppb m
response 24995922

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:11:51 2016 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/09/16 09:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:53:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.670	41817406	44.535 ppb	m
Spiked Amount 50.000		Recovery	= 89.07%	
6) s 2,3,4-trifluorotoluene	19.785	34633197	42.606 ppb	m
Spiked Amount 50.000		Recovery	= 85.21%	
16) s fluorobenzene #2	14.670	18705113	46.024 ppb	m
Spiked Amount 50.000		Recovery	= 92.05%	
18) s 2,3,4-trifluorotoluen...	19.784	11111826	43.751 ppb	m
Spiked Amount 50.000		Recovery	= 87.50%	
Target Compounds				
1) h rt5.5-7	5.980	34374814	33.285 ppb	m
2) h rt7/10	8.250	40673974	39.384 ppb	m
3) h rt10/13	13.360	48981187	47.428 ppb	m
8) h rt20/25	21.460	45078489	37.479 ppb	m
10) h decane	23.856	45770238	38.054 ppb	m
11) h butylcyclohexane	24.940	50720038	42.170 ppb	m
14) t mtbe #2	9.014	13176975	46.860 ppb	m
15) t benzene #2	14.168	28438679	43.241 ppb	m
17) t toluene #2	18.665	26824633	43.498 ppb	m
19) t ethylbenzene #2	21.800	23650883	43.225 ppb	
20) t m,p-xylene #2	21.942	58073397	87.062 ppb	m
21) t o-xylene #2	22.754	24789528	42.583 ppb	m
22) t 1,3,5-trimethylbenzen...	24.253	36334717	43.481 ppb	m
23) t 1,2,4-trimethylbenzen...	24.789	27874164	43.275 ppb	m
24) t naphthalene #2	27.708	25375818	46.416 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	27788086	43.147 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

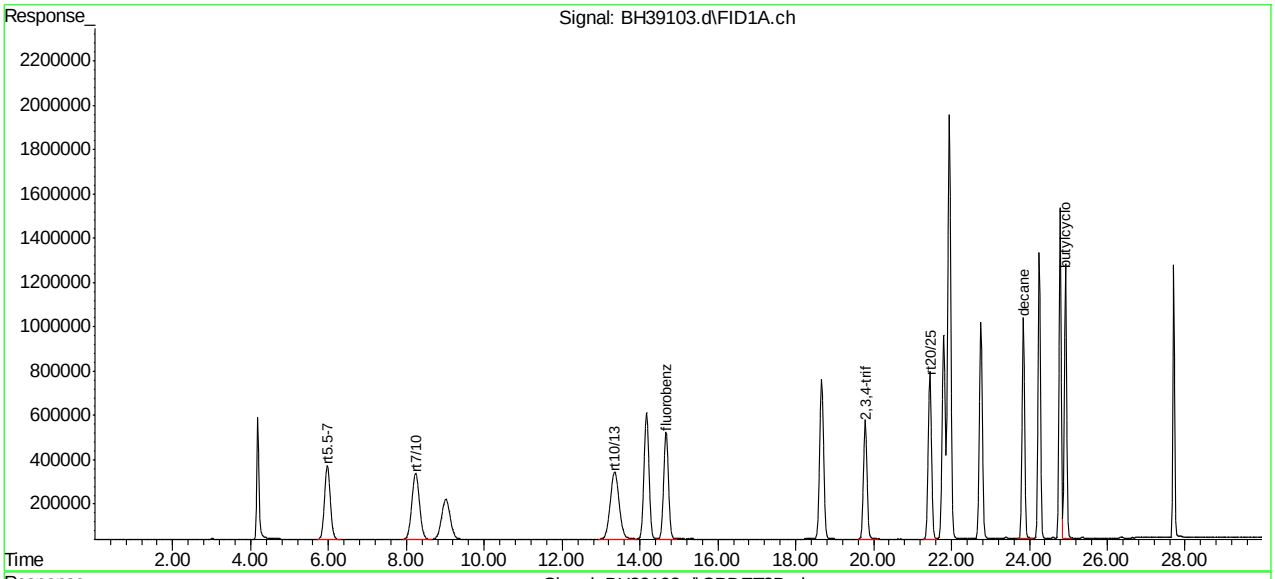
SGS ACCUTEST MC45754

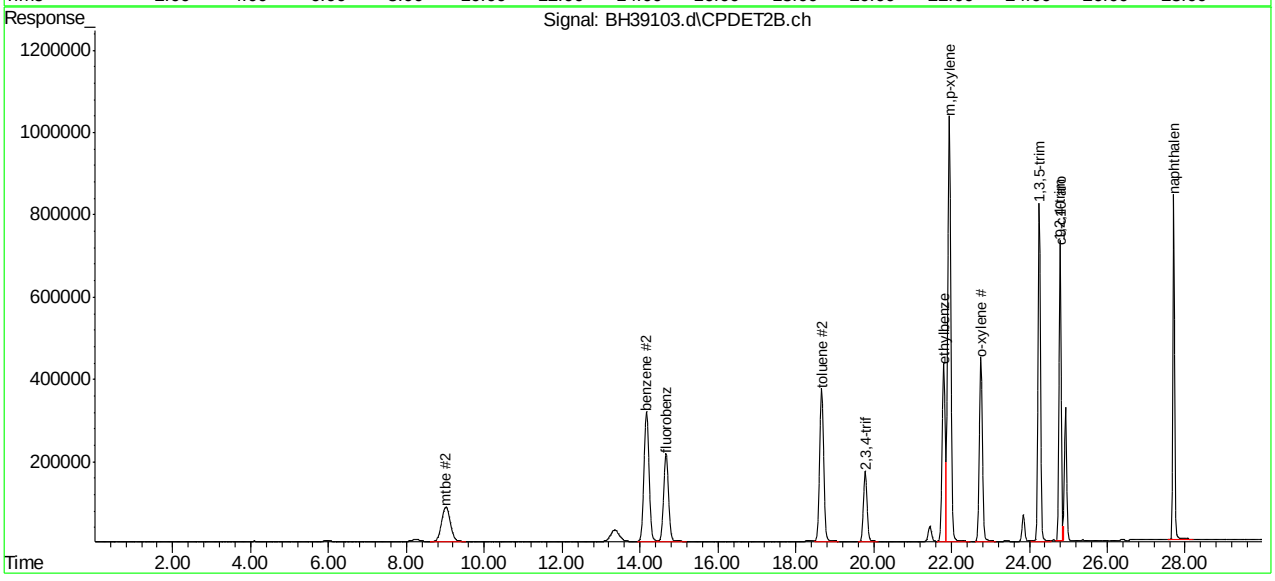
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

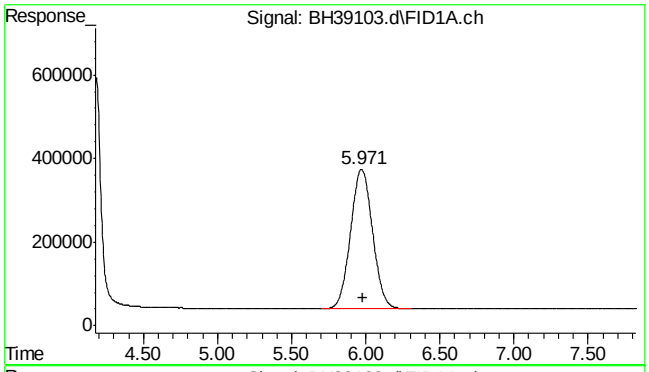
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:53:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



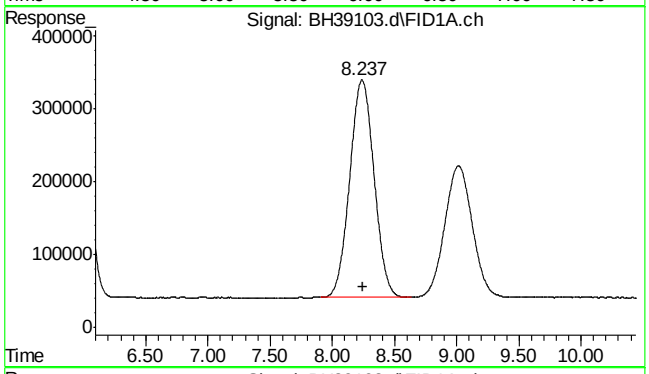


SGS ACCUTEST MC45754



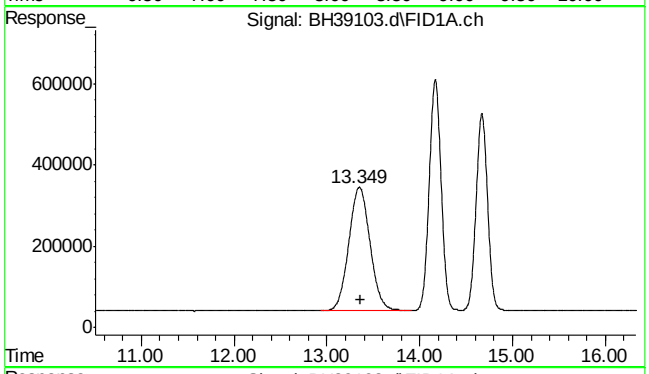
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 34374814
Conc: 33.28 ppb m



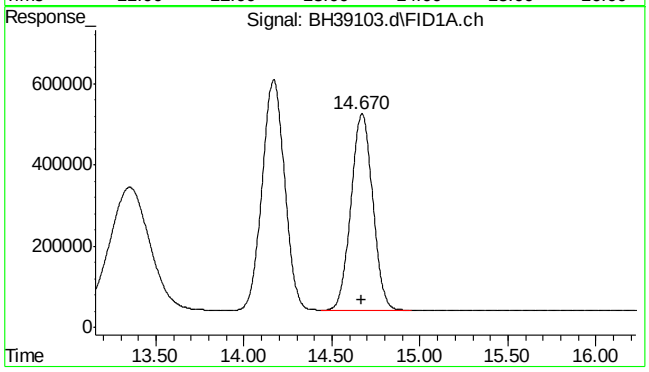
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 40673974
Conc: 39.38 ppb m



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 48981187
Conc: 47.43 ppb m



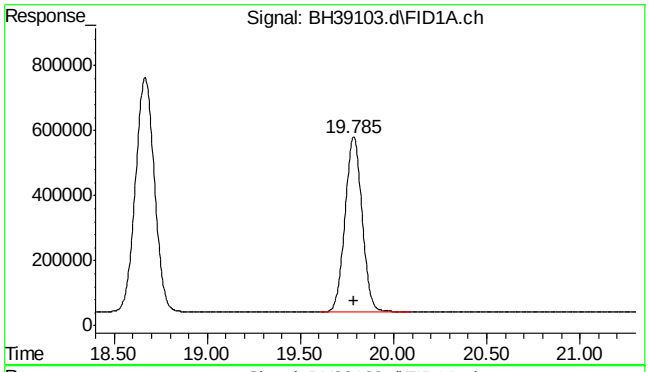
#4 fluorobenzene

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 41817406
Conc: 44.54 ppb m

7.3.2

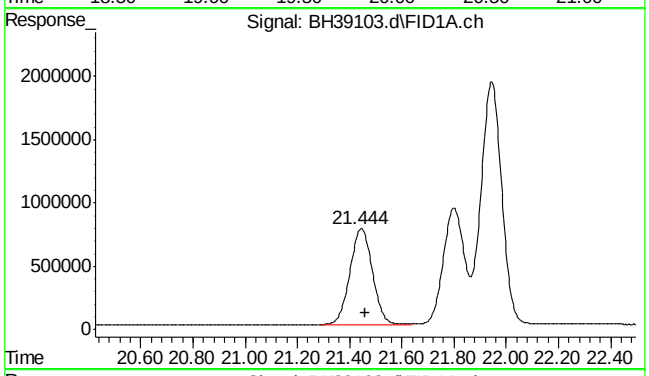
7

SGS ACCUTEST MC45754



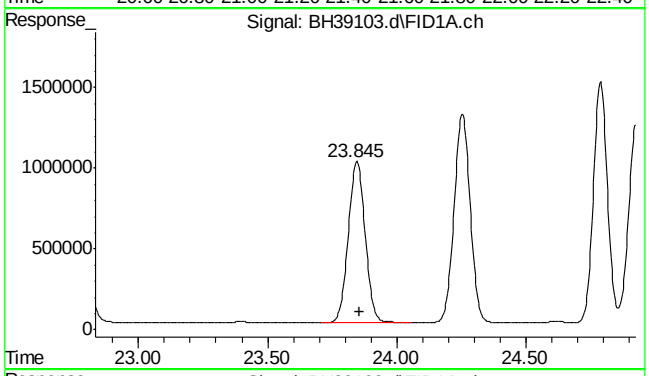
#6 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: -0.001 min
Response: 34633197
Conc: 42.61 ppb m



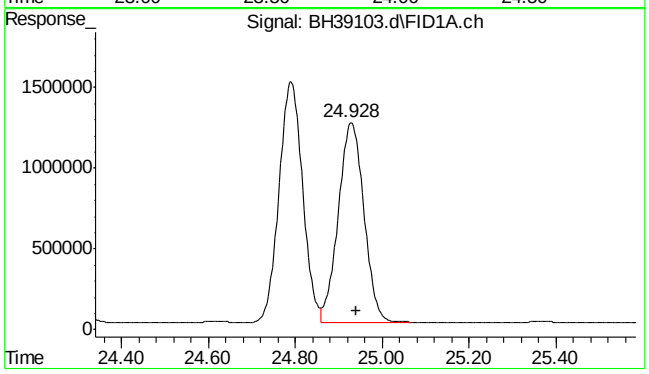
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 45078489
Conc: 37.48 ppb m



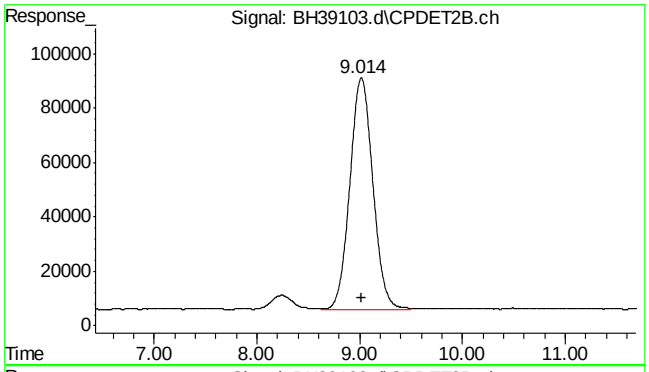
#10 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 45770238
Conc: 38.05 ppb m



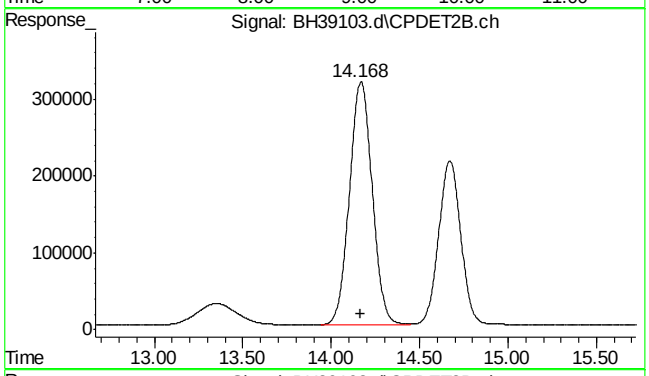
#11 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 50720038
Conc: 42.17 ppb m



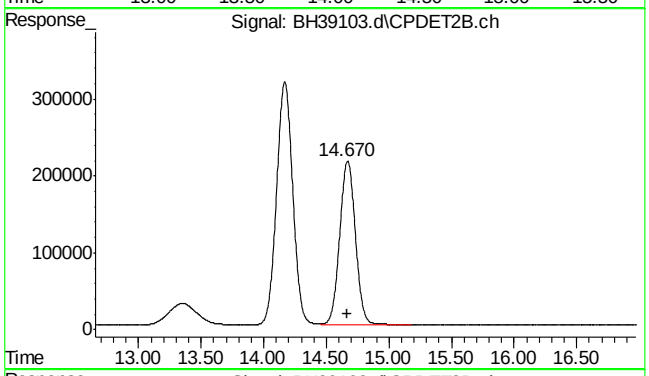
#14 mtbe #2

R.T.: 9.014 min
Delta R.T.: -0.003 min
Response: 13176975
Conc: 46.86 ppb m



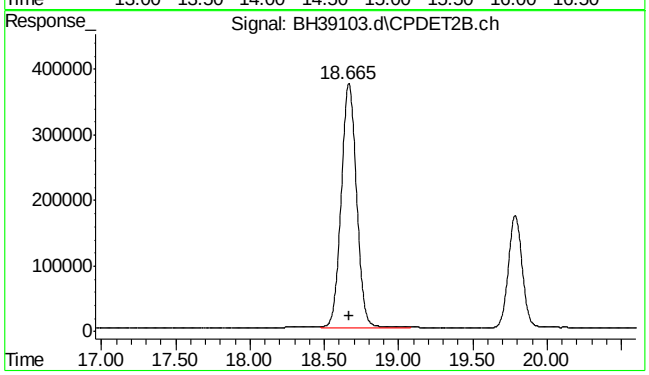
#15 benzene #2

R.T.: 14.168 min
Delta R.T.: -0.002 min
Response: 28438679
Conc: 43.24 ppb m



#16 fluorobenzene #2

R.T.: 14.670 min
Delta R.T.: -0.001 min
Response: 18705113
Conc: 46.02 ppb m



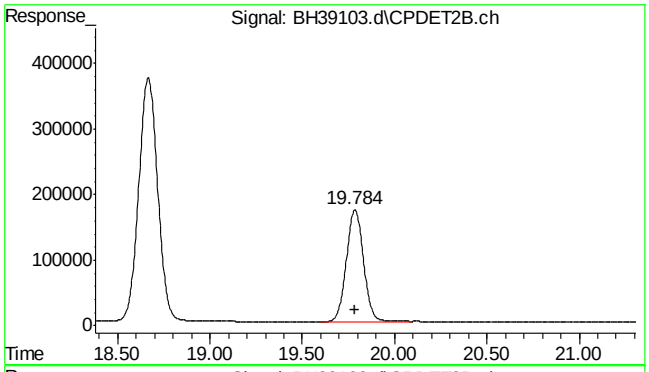
#17 toluene #2

R.T.: 18.665 min
Delta R.T.: -0.001 min
Response: 26824633
Conc: 43.50 ppb m

7.3.2

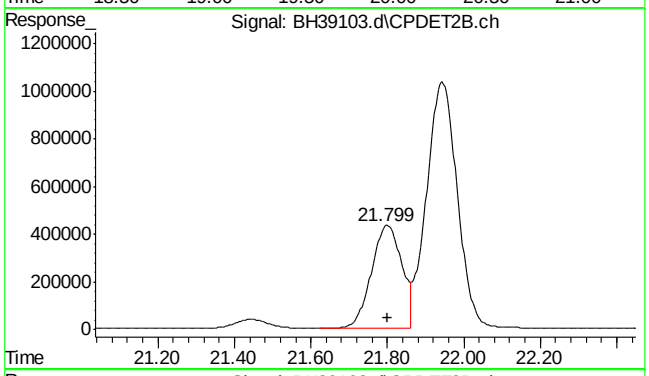
7

SGS ACCUTEST MC45754



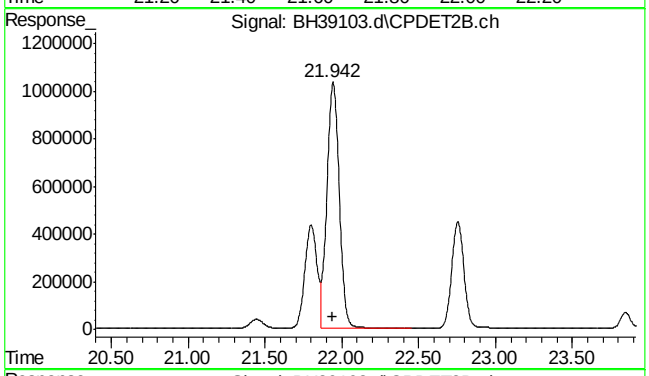
#18 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 11111826
Conc: 43.75 ppb m



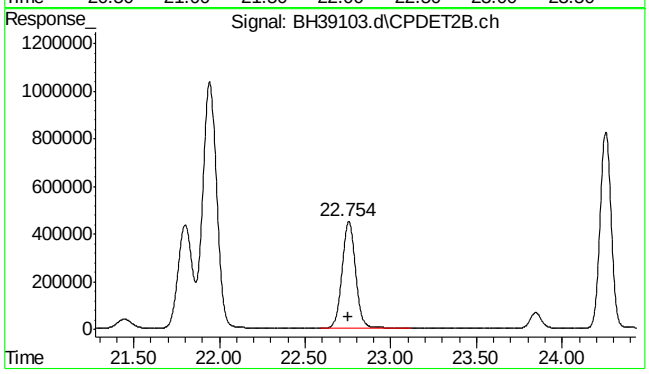
#19 ethylbenzene #2

R.T.: 21.800 min
Delta R.T.: 0.000 min
Response: 23650883
Conc: 43.22 ppb



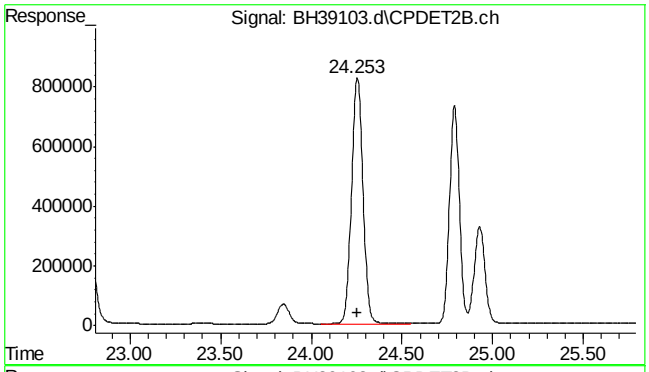
#20 m,p-xylene #2

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 58073397
Conc: 87.06 ppb m



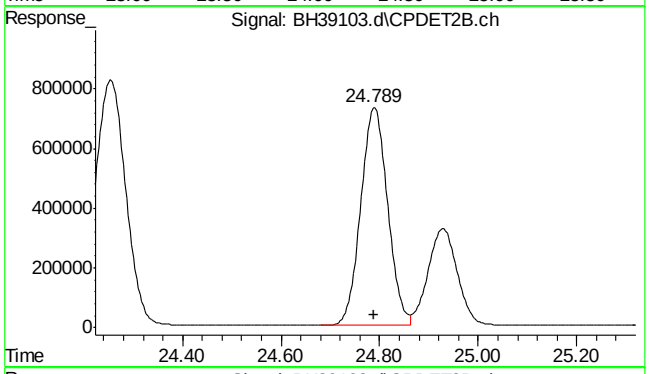
#21 o-xylene #2

R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 24789528
Conc: 42.58 ppb m



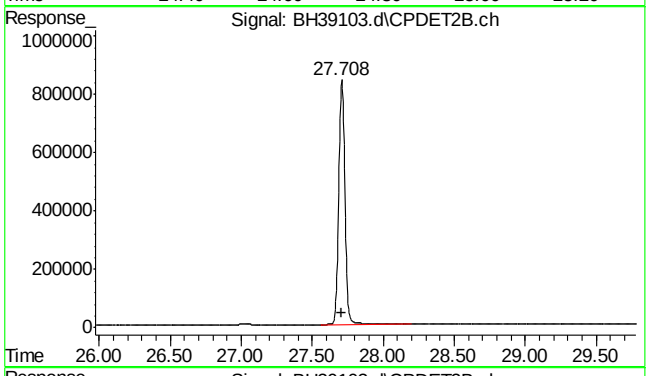
#22 1,3,5-trimethylbenzene #2

R.T.: 24.253 min
Delta R.T.: 0.000 min
Response: 36334717
Conc: 43.48 ppb m



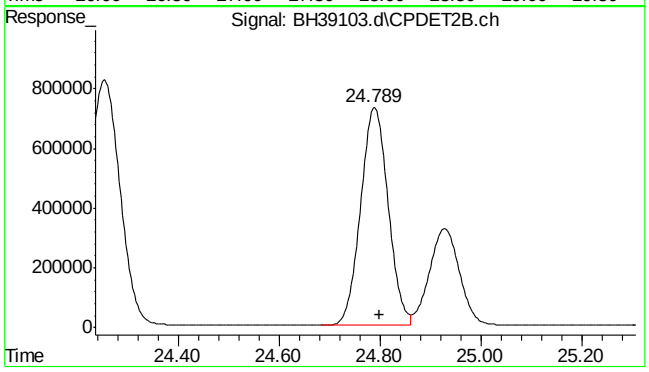
#23 1,2,4-trimethylbenzene #2

R.T.: 24.789 min
Delta R.T.: 0.000 min
Response: 27874164
Conc: 43.27 ppb m



#24 naphthalene #2

R.T.: 27.708 min
Delta R.T.: 0.000 min
Response: 25375818
Conc: 46.42 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 27788086
Conc: 43.15 ppb m

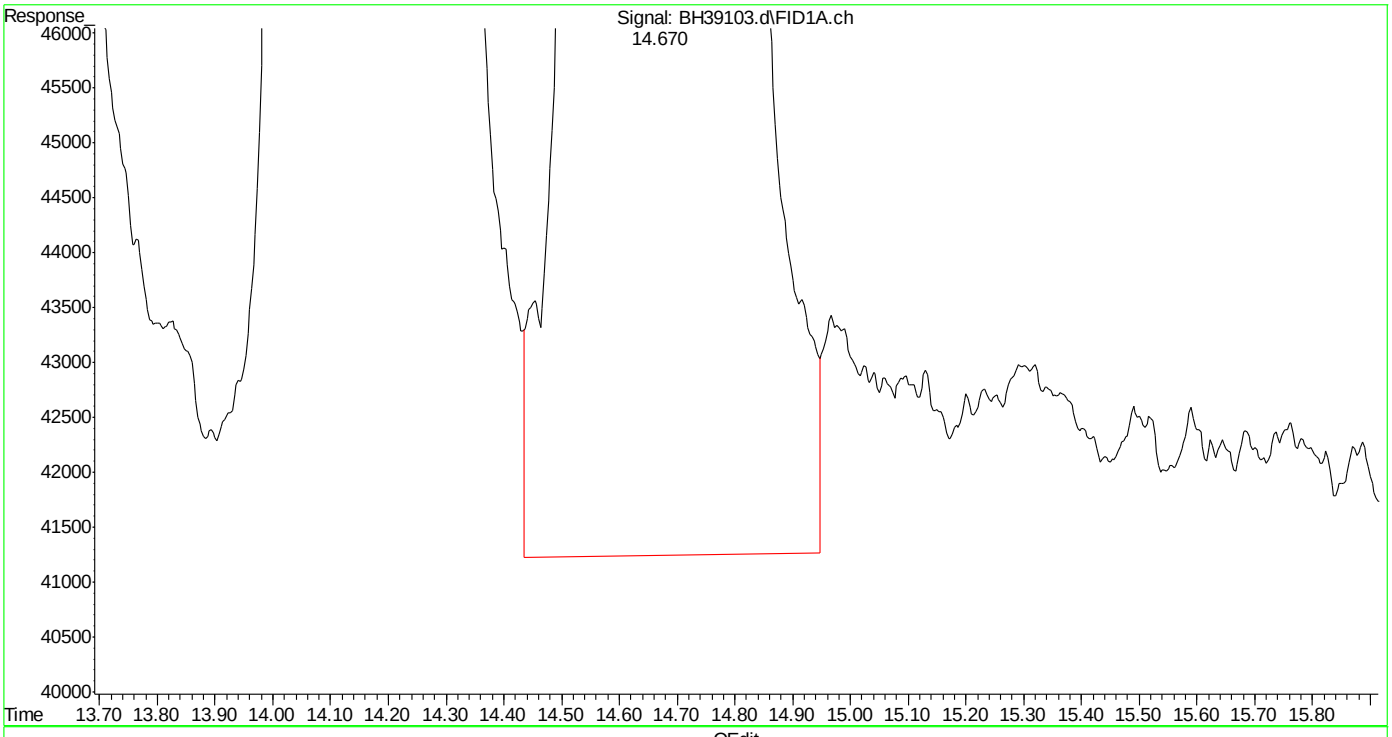
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 44.877 ppb
response 42138448

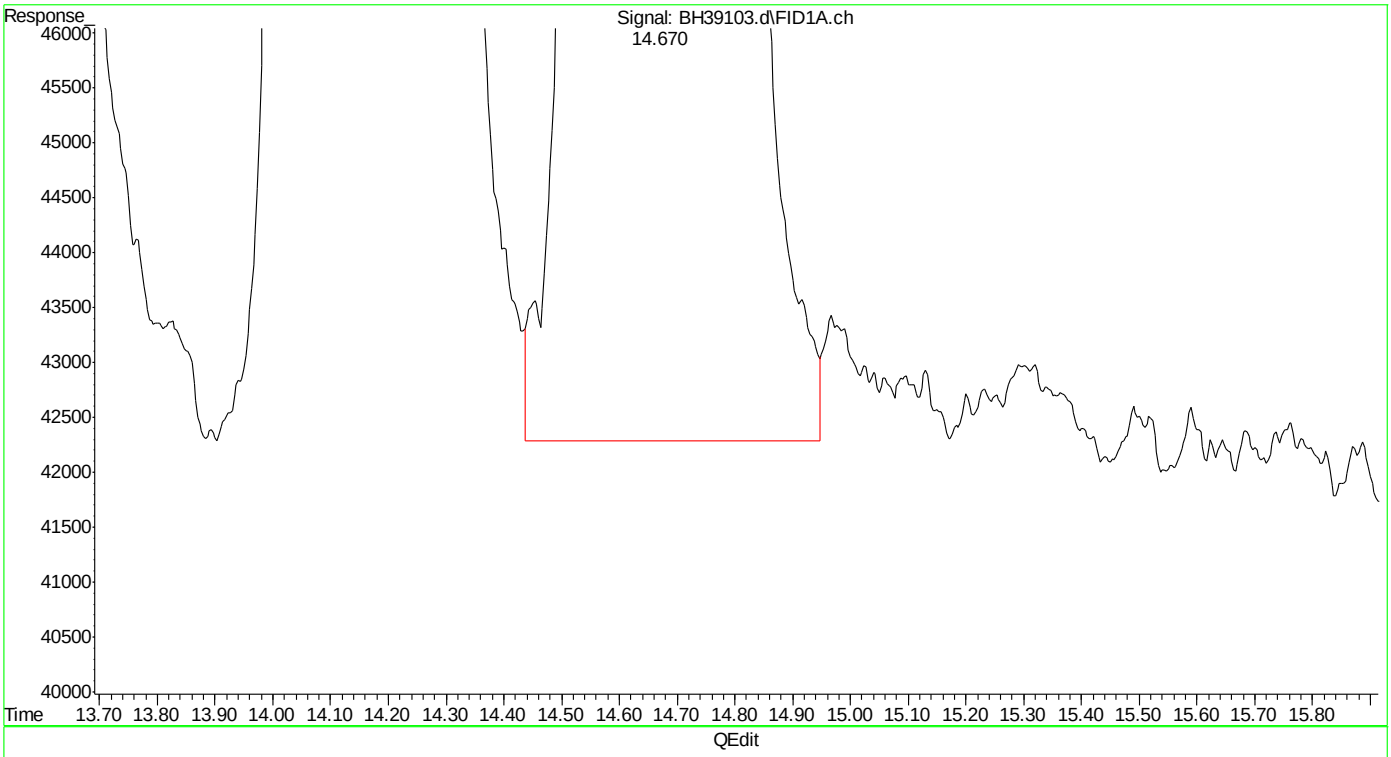
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:50:44 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 44.535 ppb m
response 41817406

(+) = Expected Retention Time

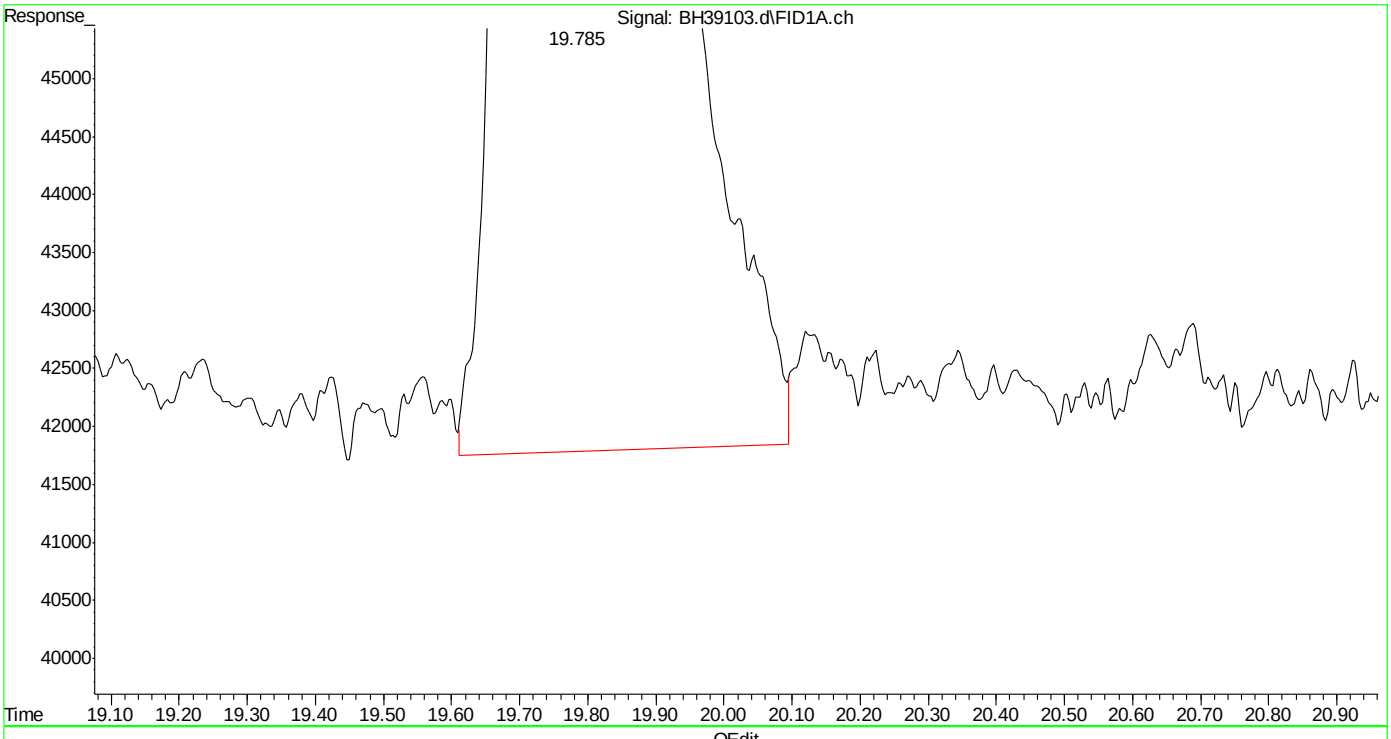
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.786min 42.668 ppb
response 34683988

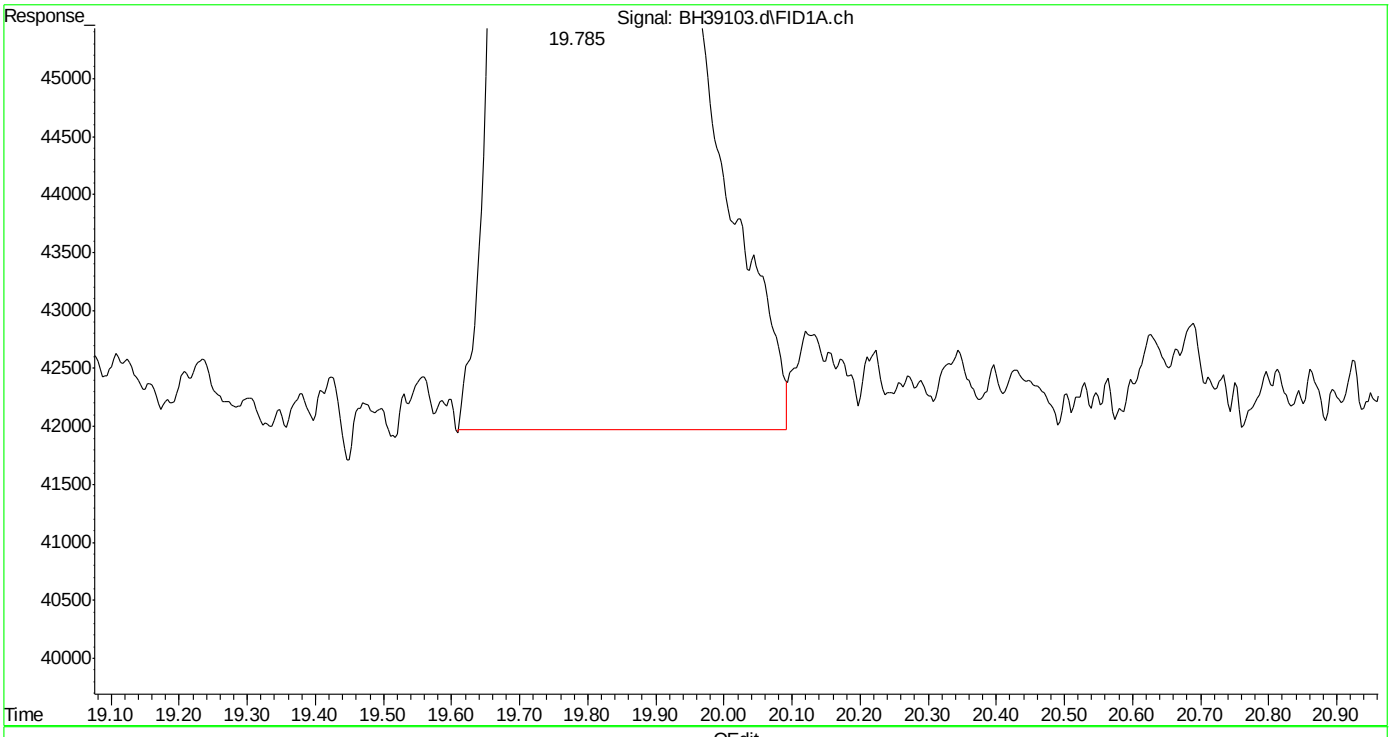
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:51:00 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 42.606 ppb m
response 34633197

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:51:07 2016

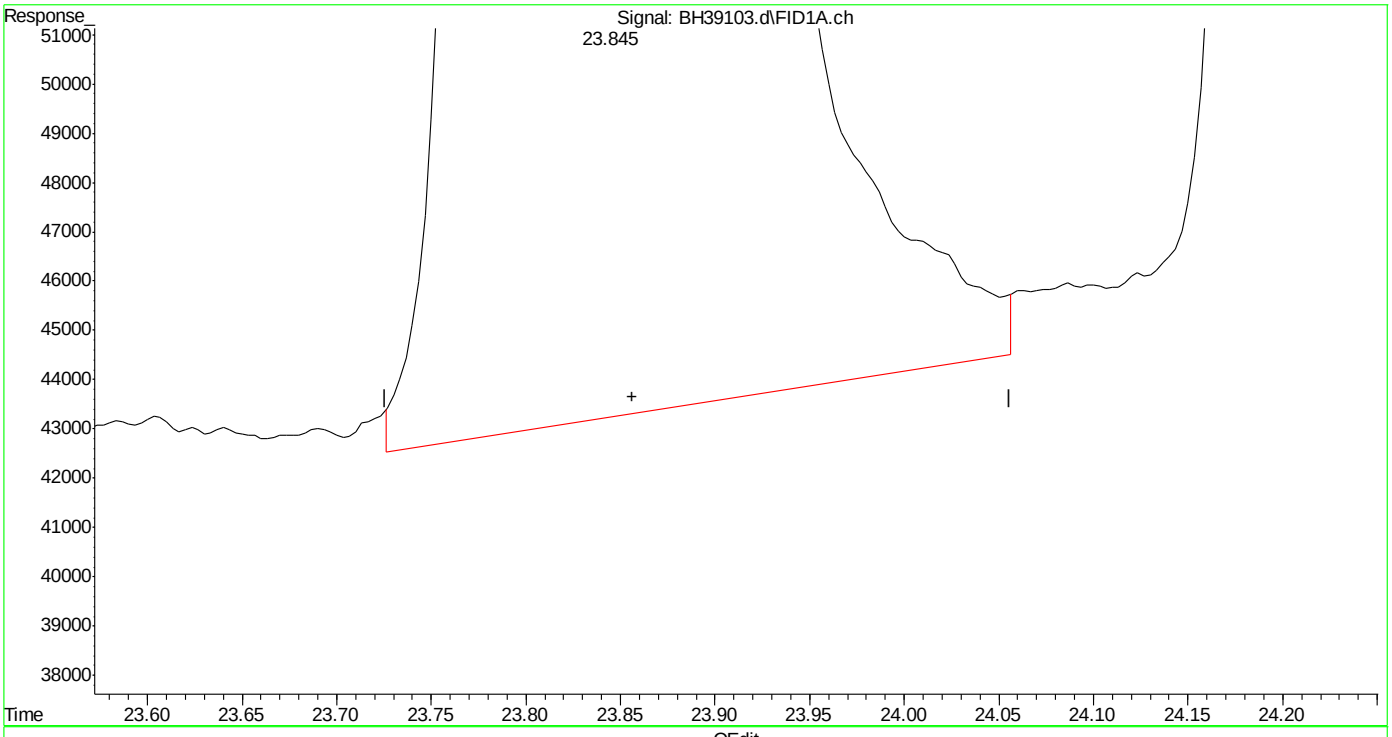
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 37.927 ppb
response 45617617

(+) = Expected Retention Time

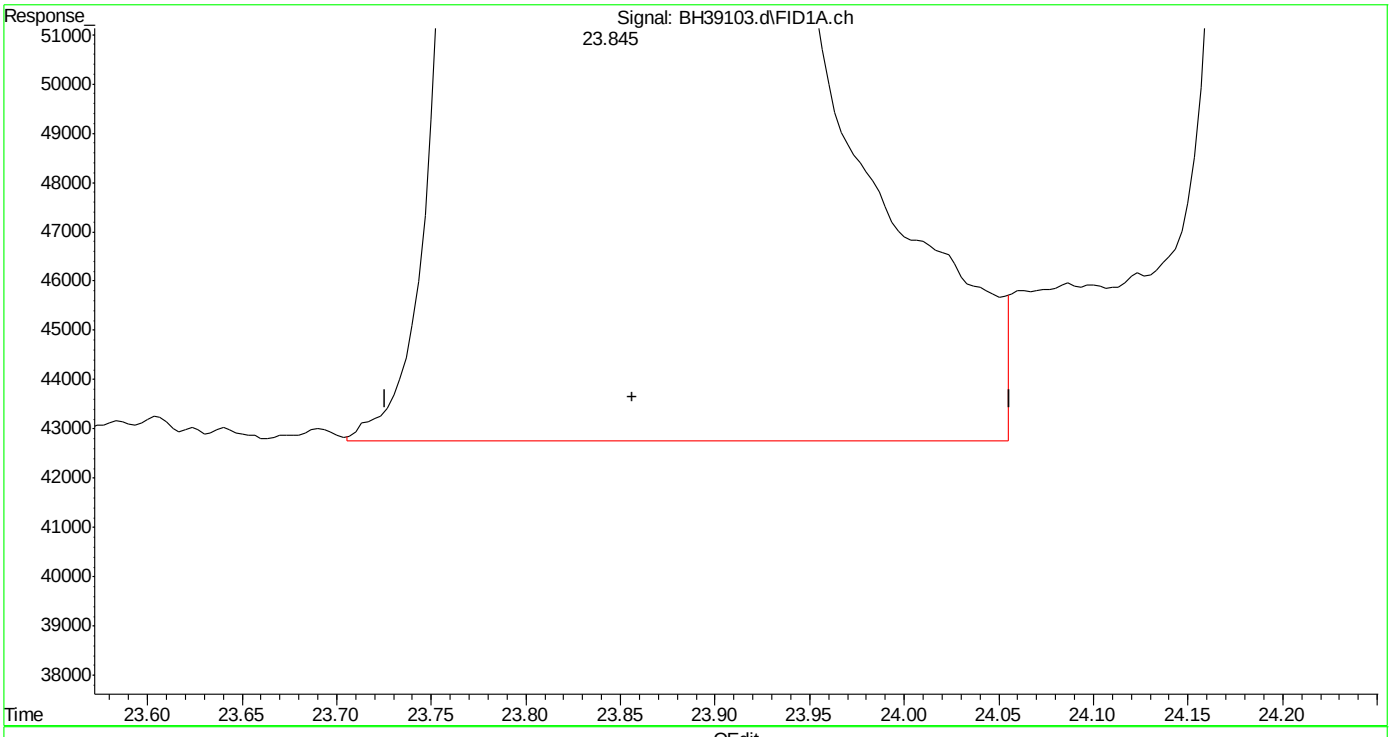
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 38.054 ppb m
response 45770238

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:51:24 2016

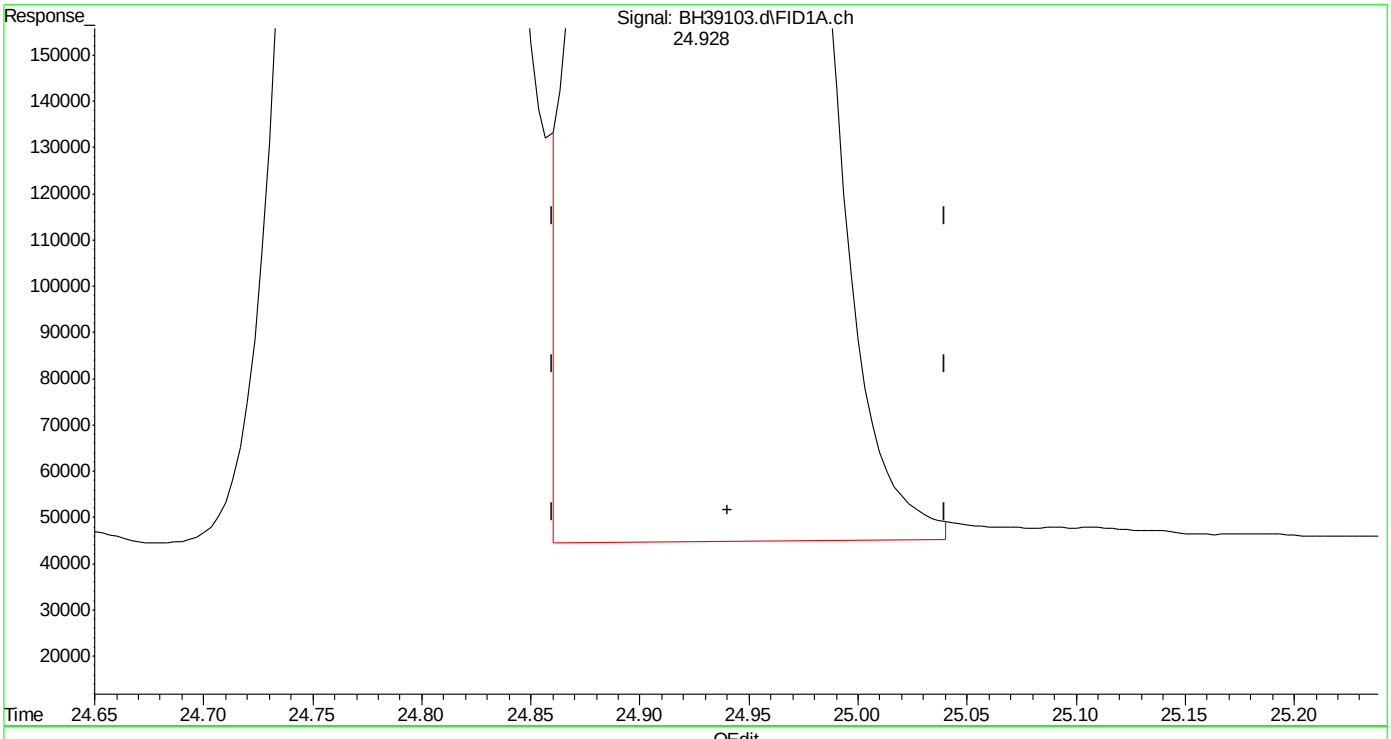
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 41.885 ppb
response 50377915

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:51:29 2016

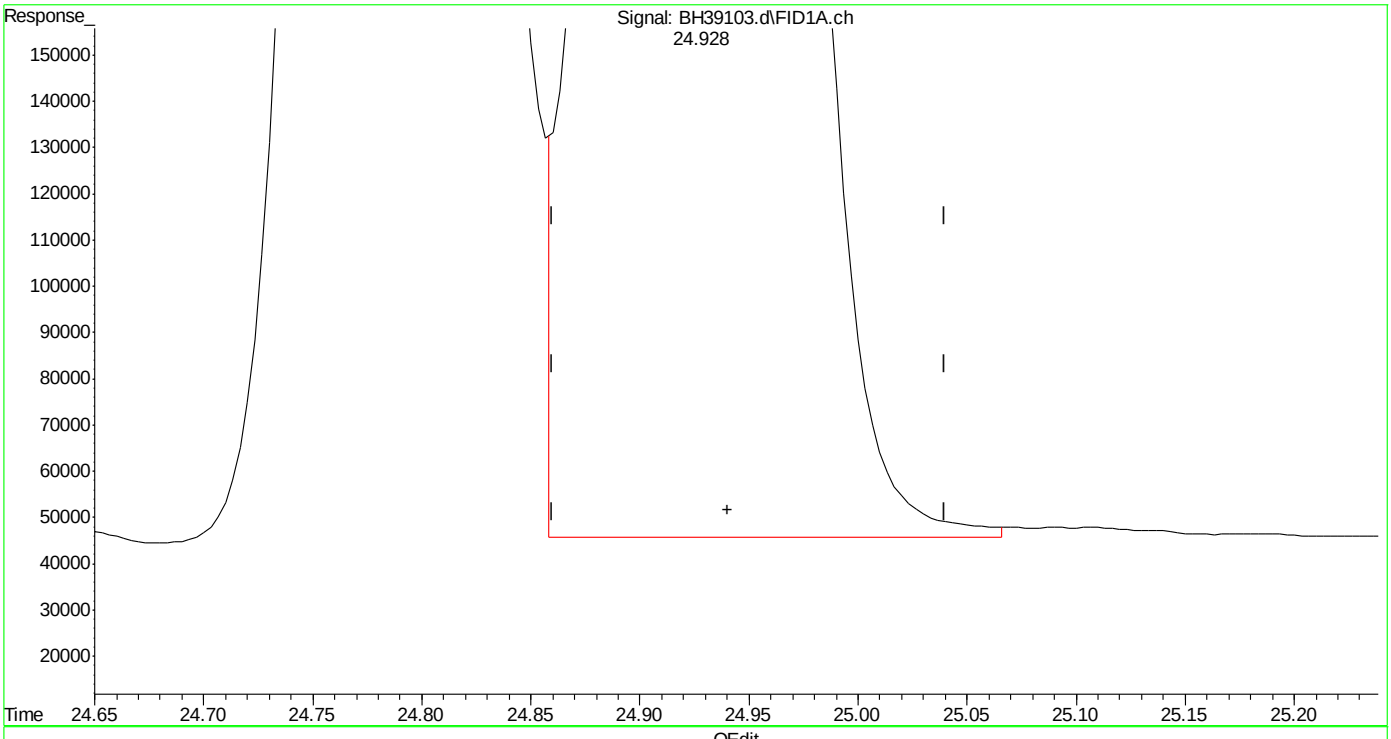
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    :  6 May 2016  10:12 am
Operator  : danielf
Sample    : bsd,w,vmavph,00
Misc      : gc26216,gbh2299,,,,5,1
ALS Vial  : 4   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(11) butylcyclohexane (h)

24.940min 42.170 ppb m

response 50720038

(+) = Expected Retention Time

bh160506vph.m Fri May 06 10:51:36 2016

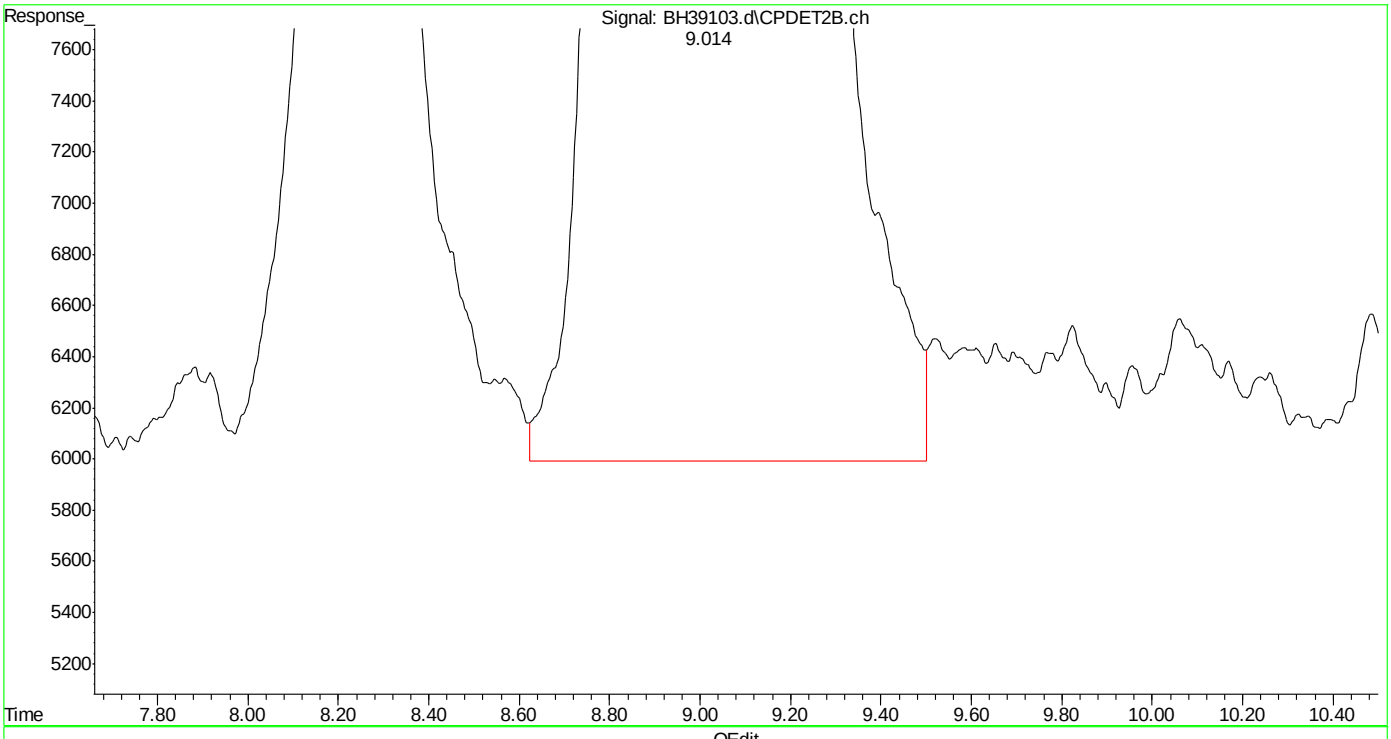
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.015min 47.129 ppb
response 13252659

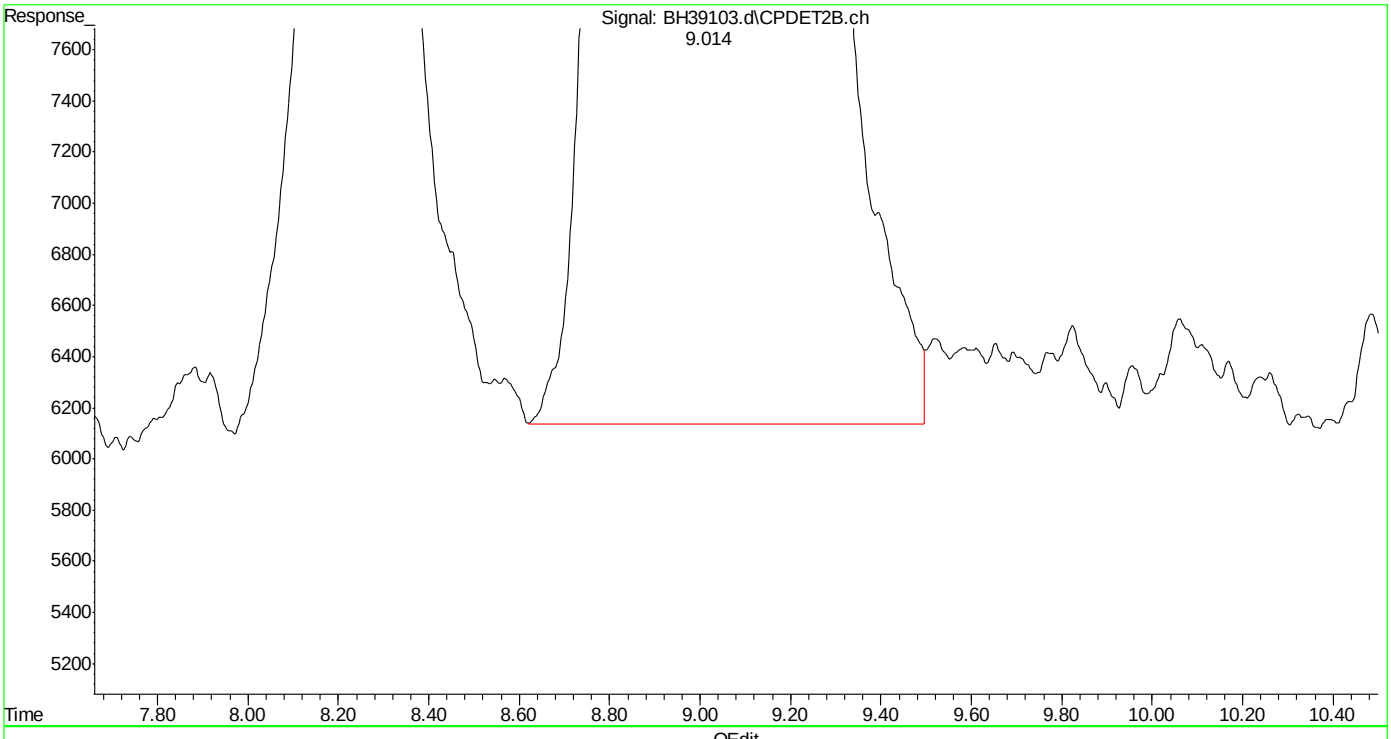
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:51:41 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.014min 46.860 ppb m
response 13176975

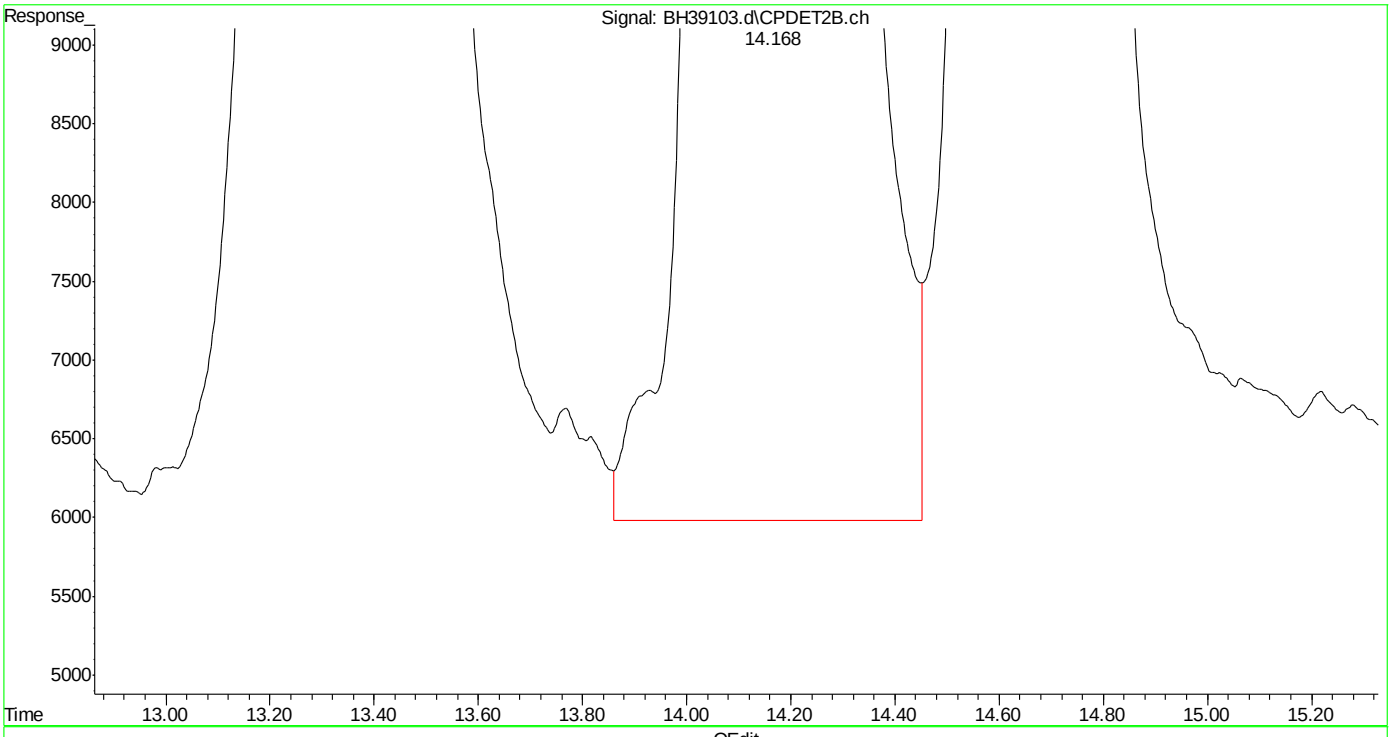
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:51:47 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.169min 43.430 ppb
response 28562931

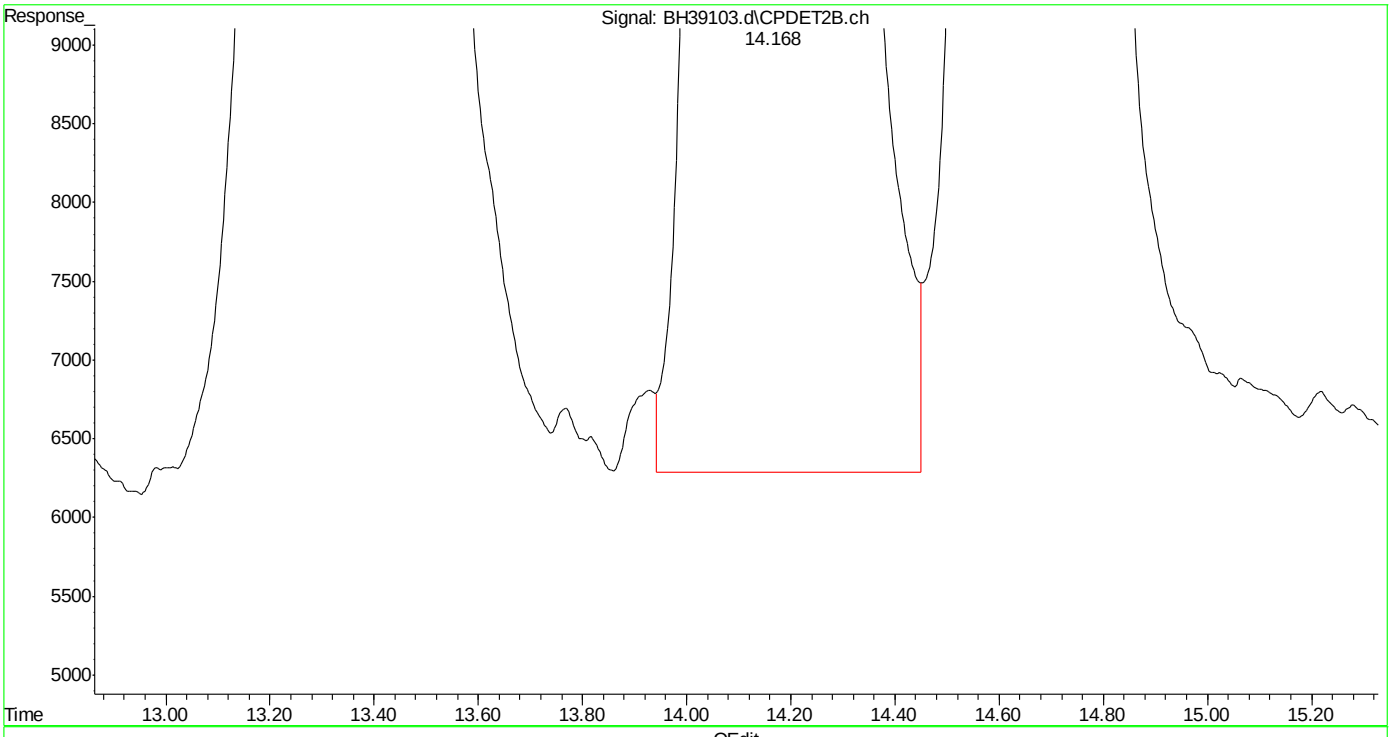
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:51:53 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.168min 43.241 ppb m
response 28438679

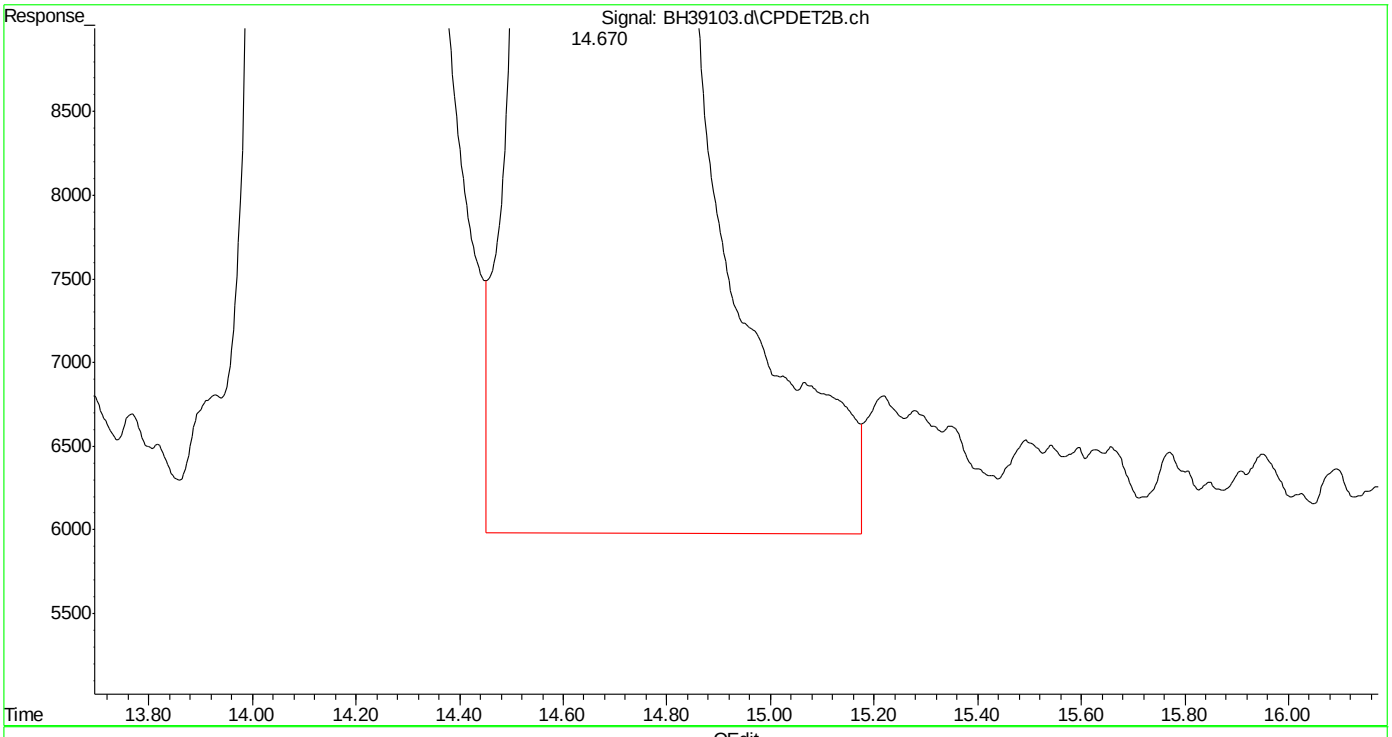
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:01 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 46.371 ppb
response 18845754

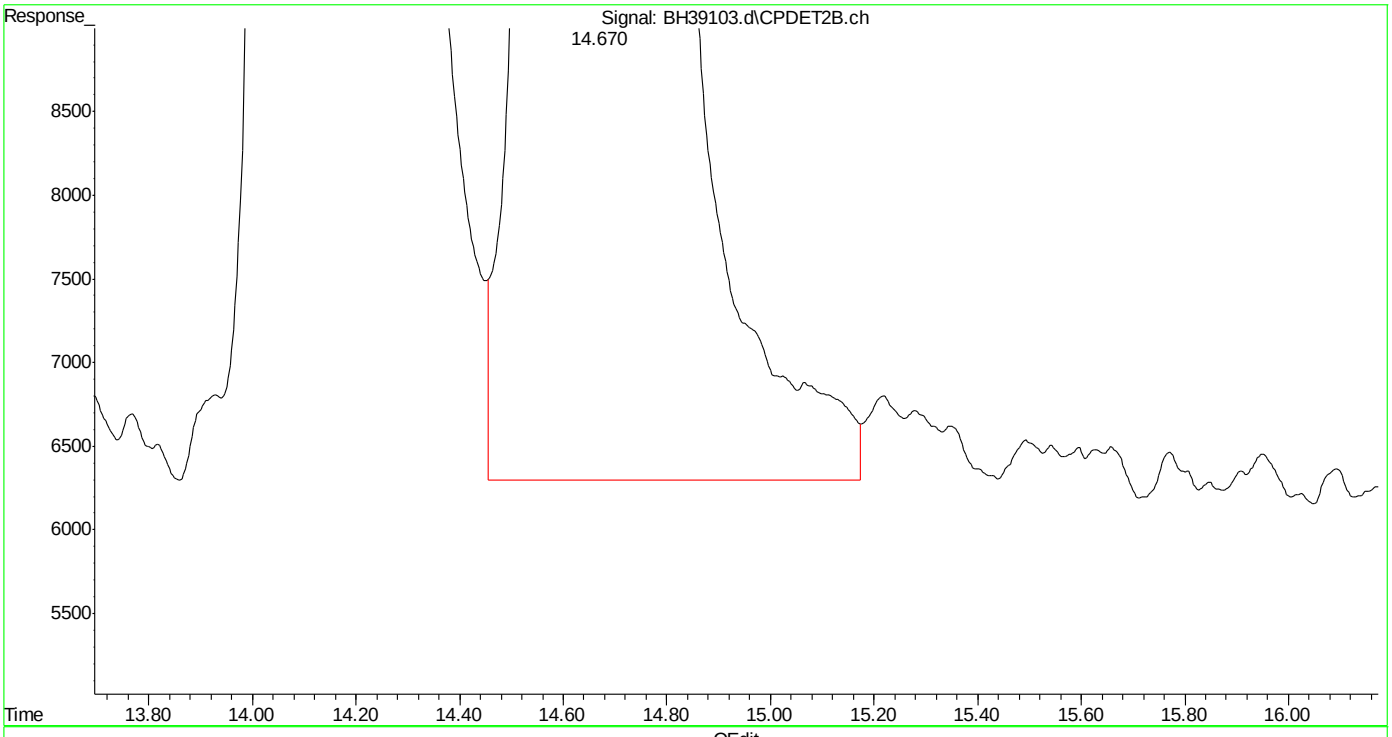
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:06 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 46.024 ppb m
response 18705113

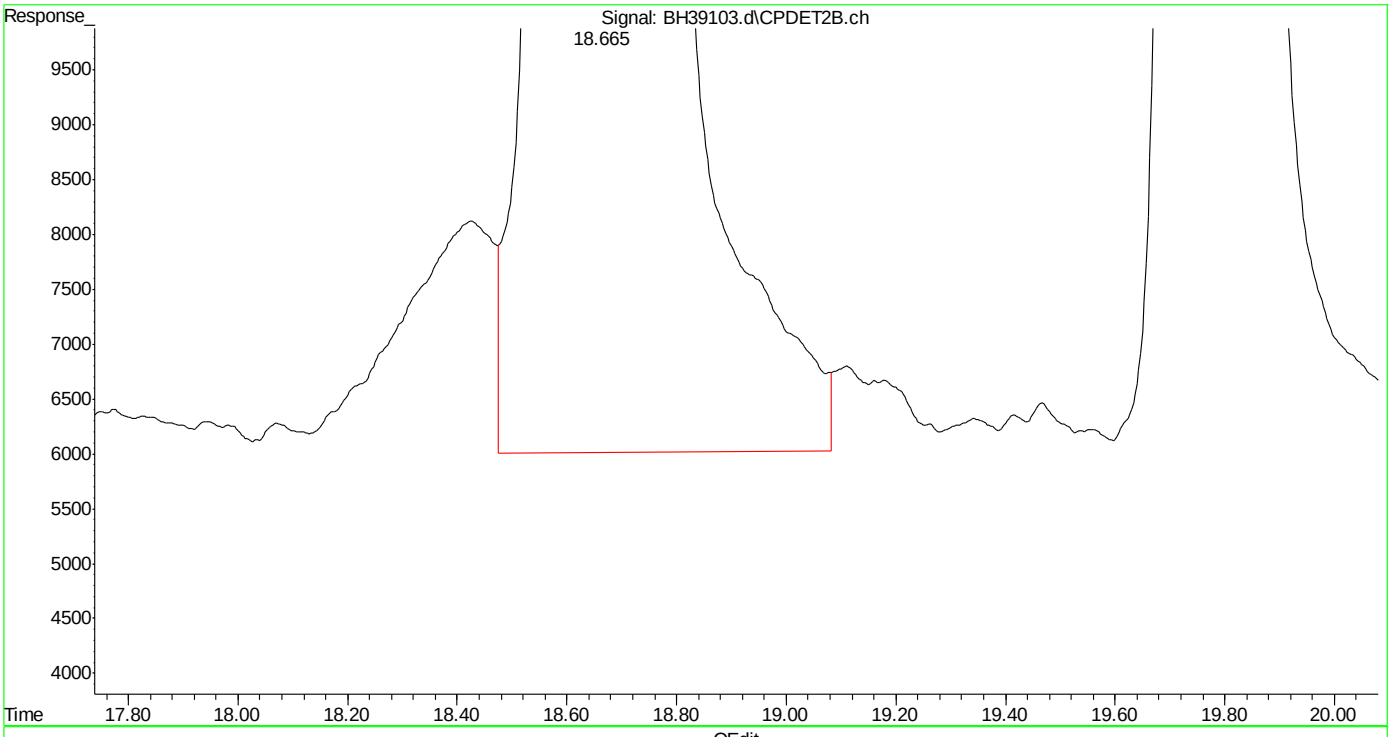
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:16 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 43.596 ppb
response 26885348

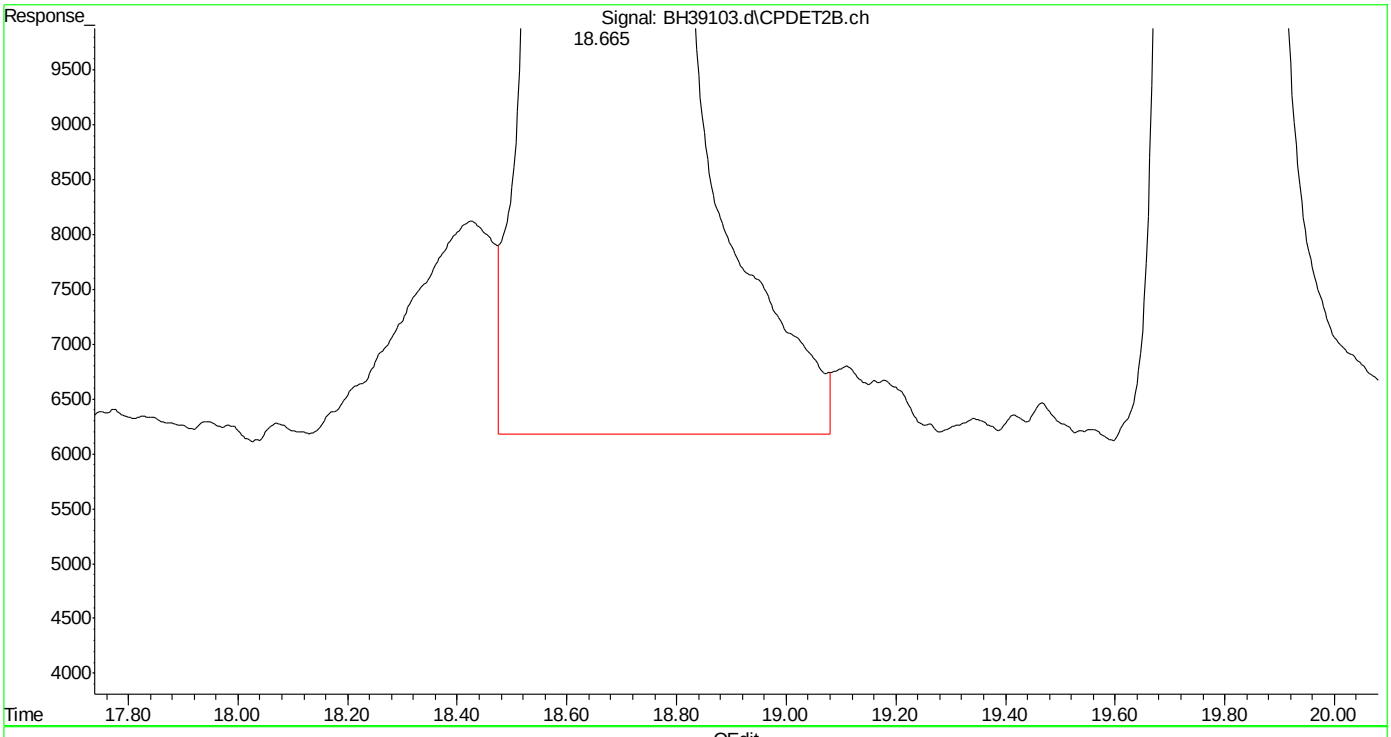
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:21 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 43.498 ppb m
response 26824633

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:27 2016 Page: 1

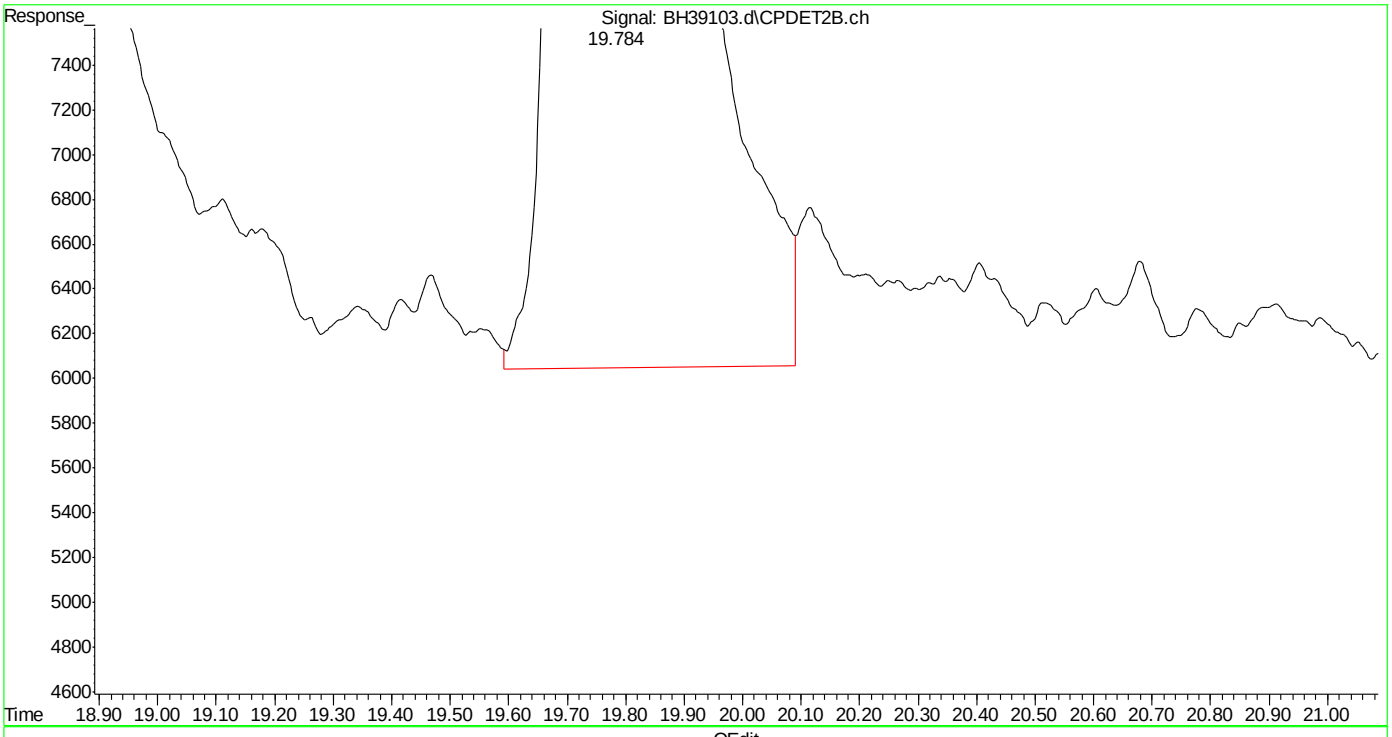
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 43.827 ppb
response 11131131

(+) = Expected Retention Time

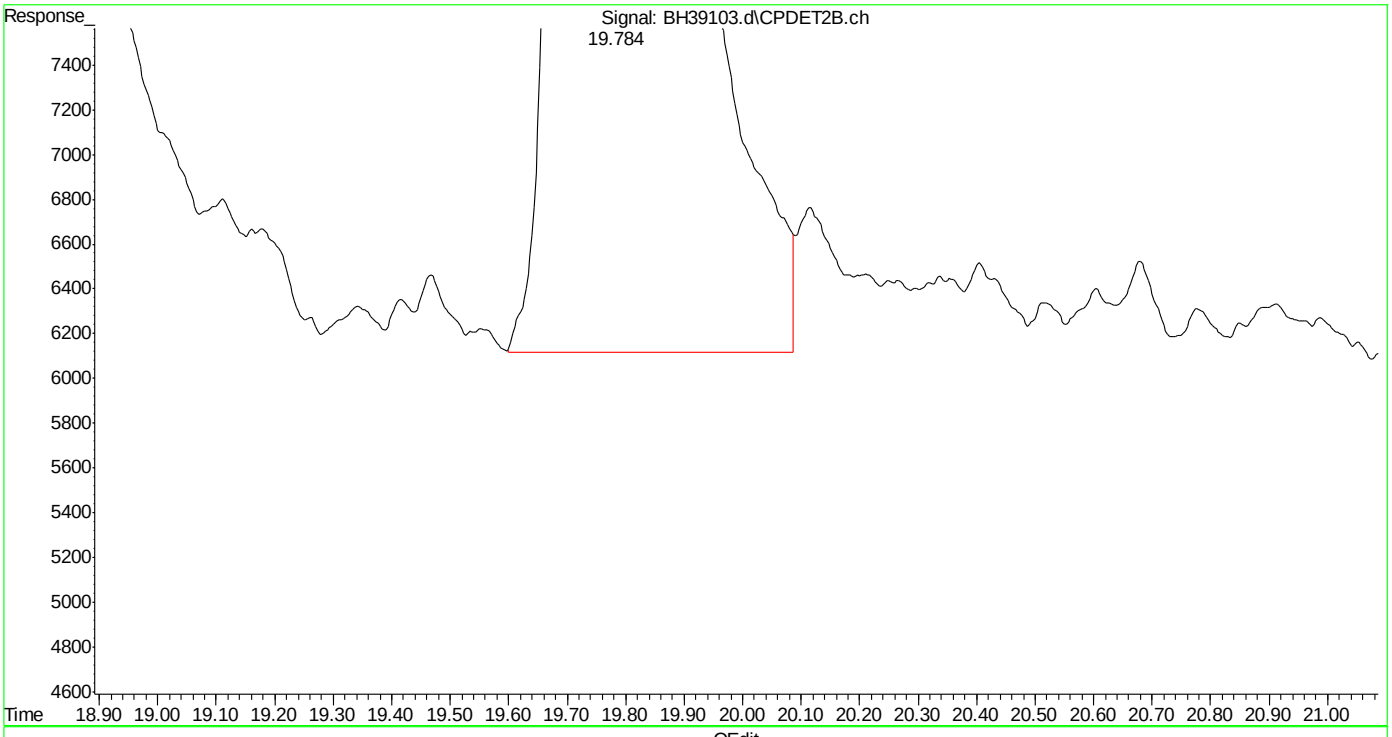
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.784min 43.751 ppb m
response 11111826

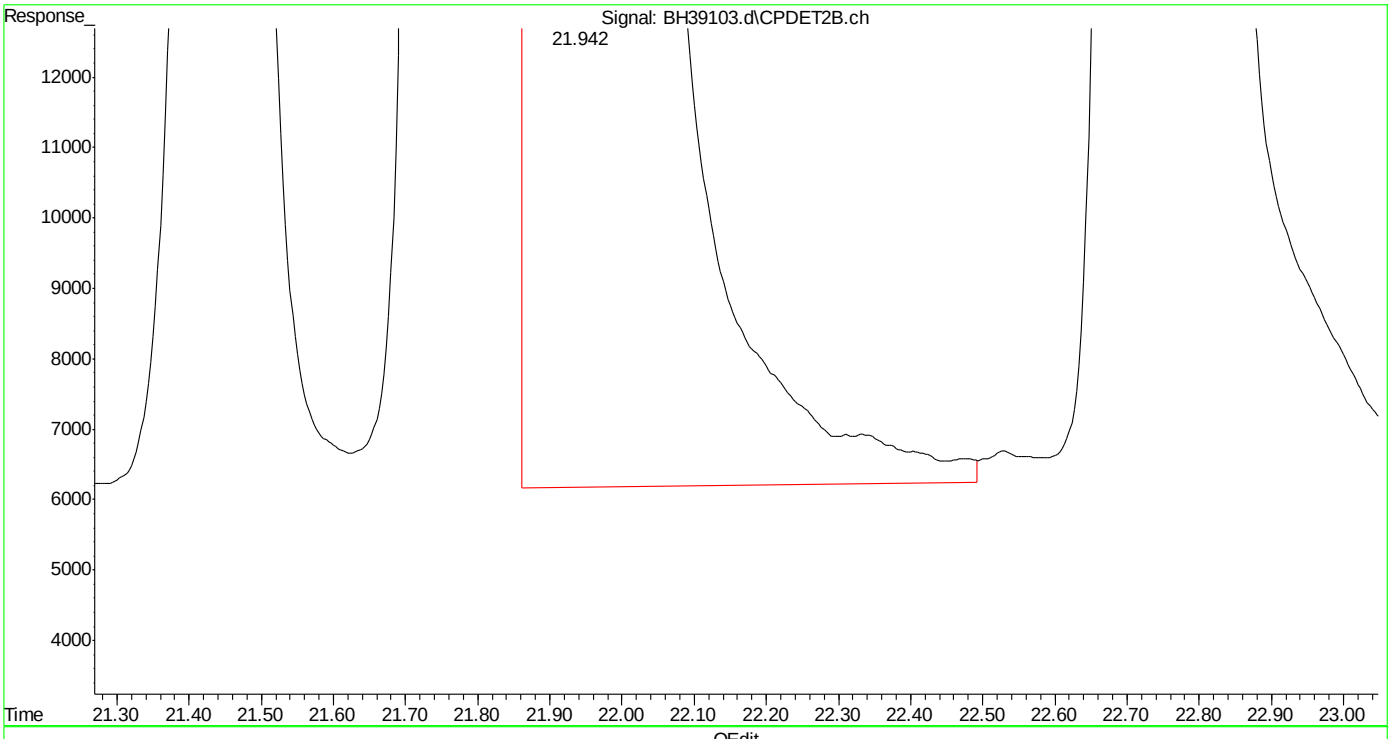
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:40 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.944min 87.439 ppb
response 58325043

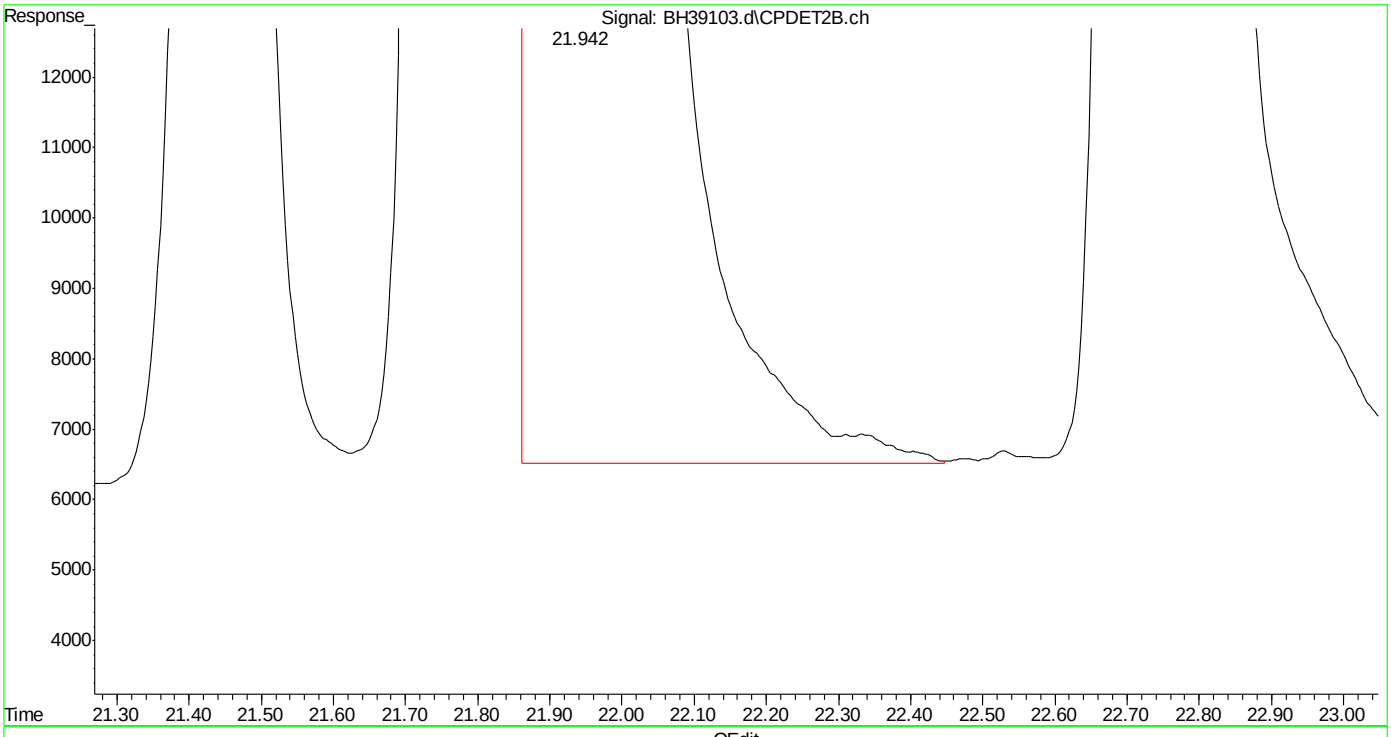
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:46 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.942min 87.062 ppb m
response 58073397

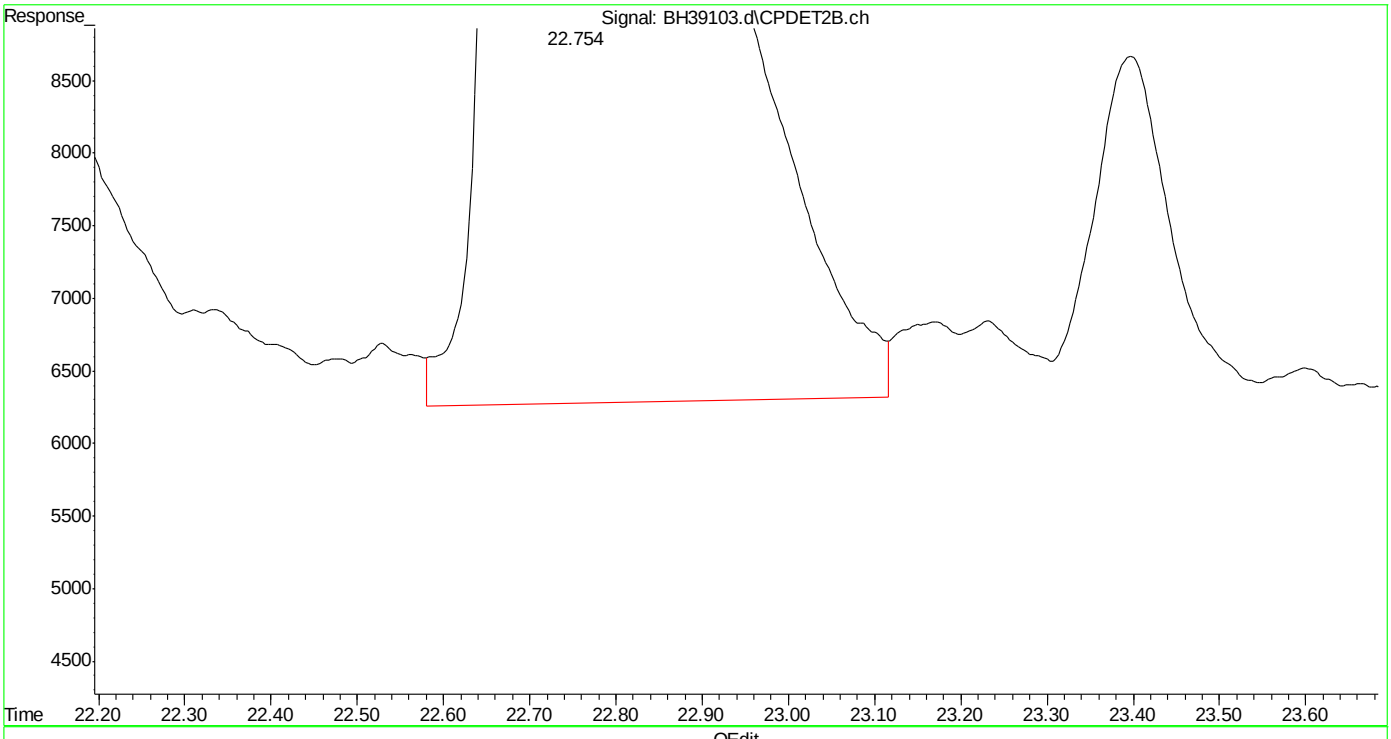
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:52 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.756min 42.742 ppb
response 24882062

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:52:57 2016

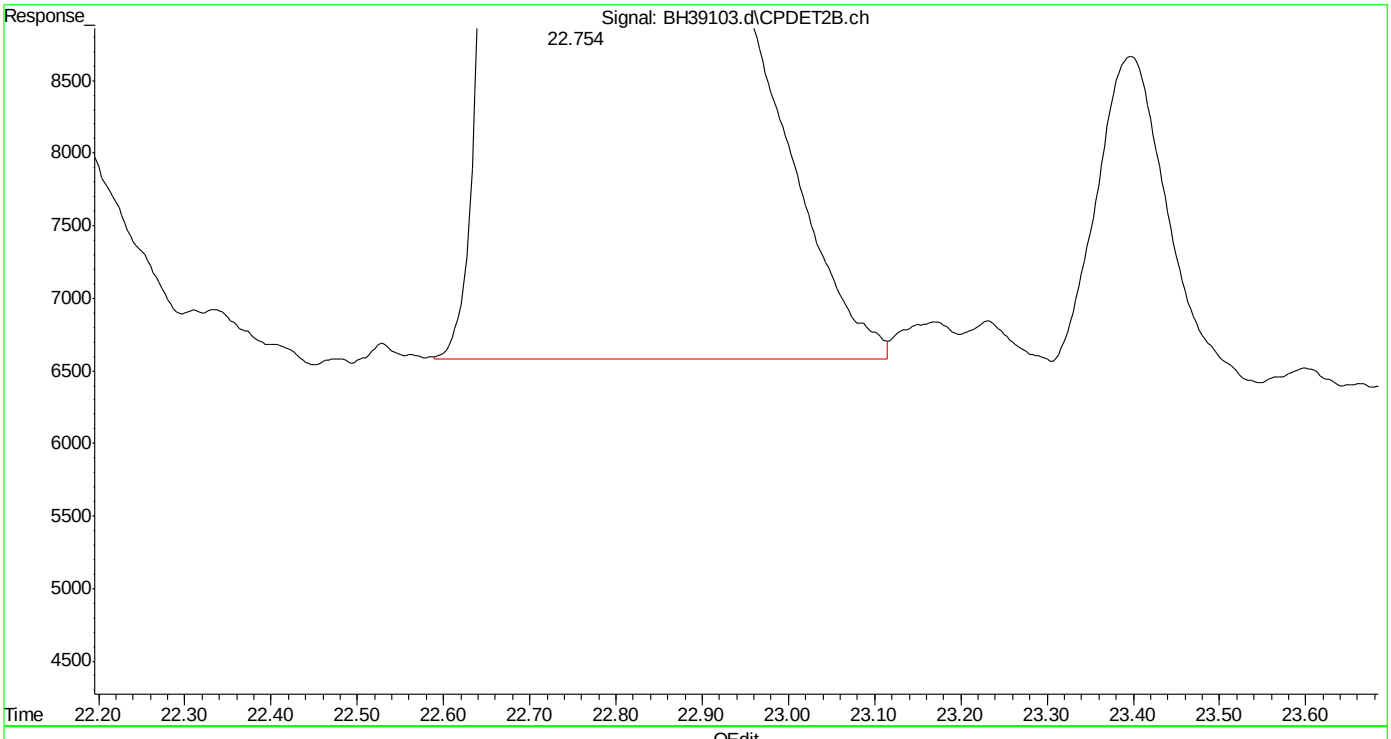
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 42.583 ppb m
response 24789528

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:53:03 2016

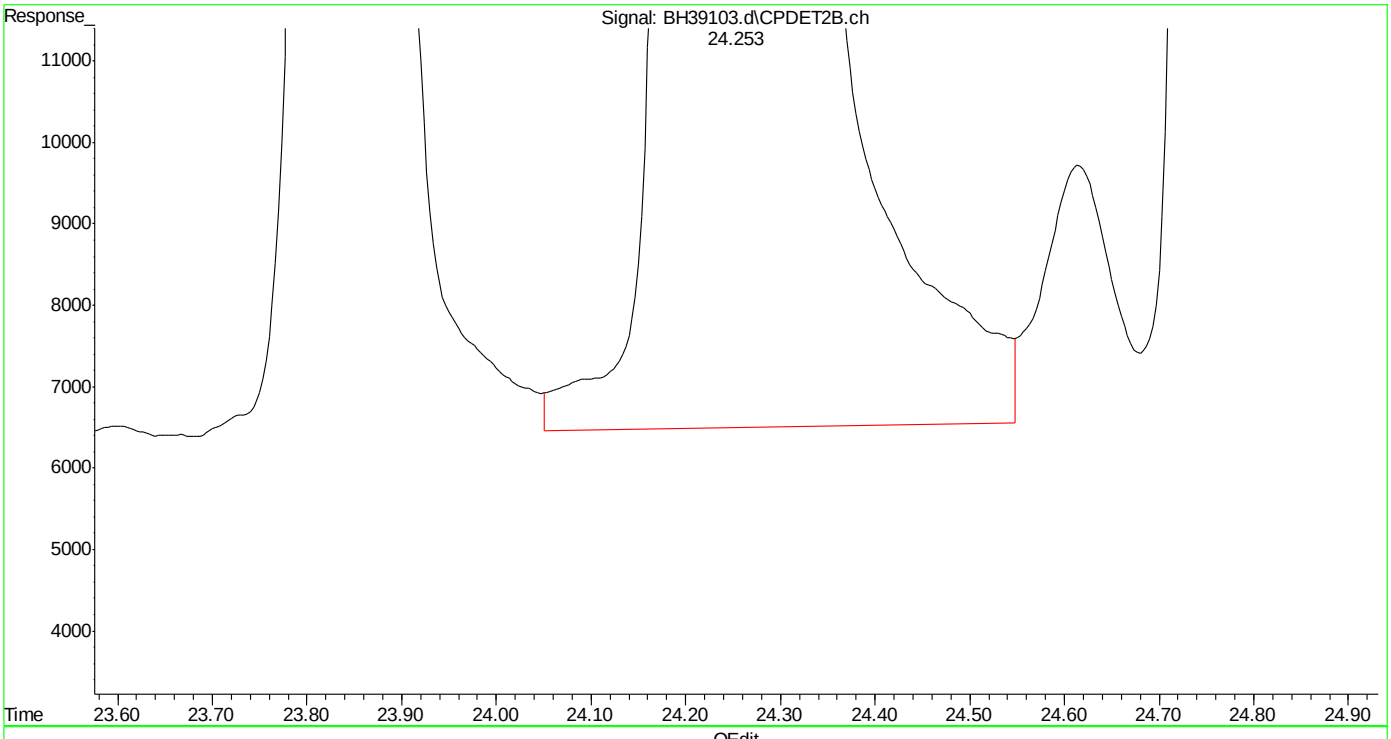
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)
24.255min 43.438 ppb
response 36298878

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:53:09 2016

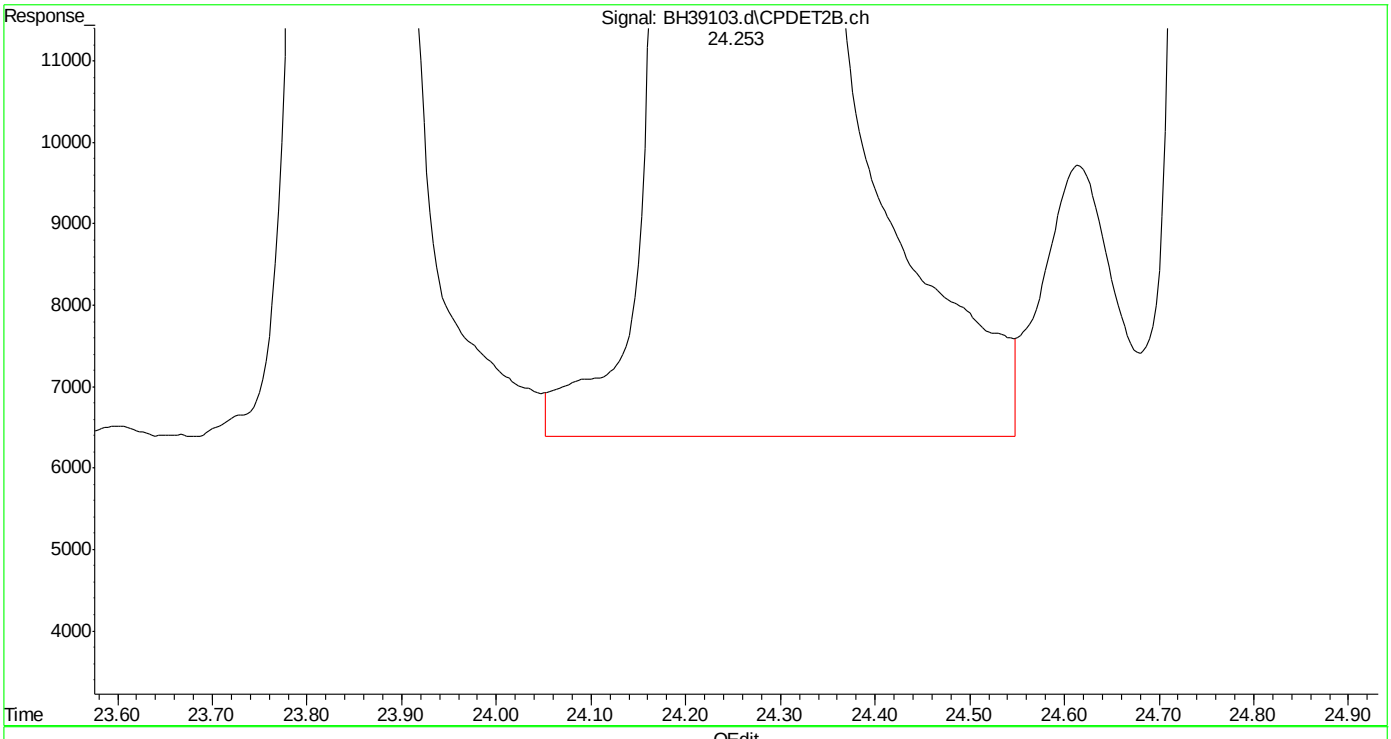
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)
24.253min 43.481 ppb m
response 36334717

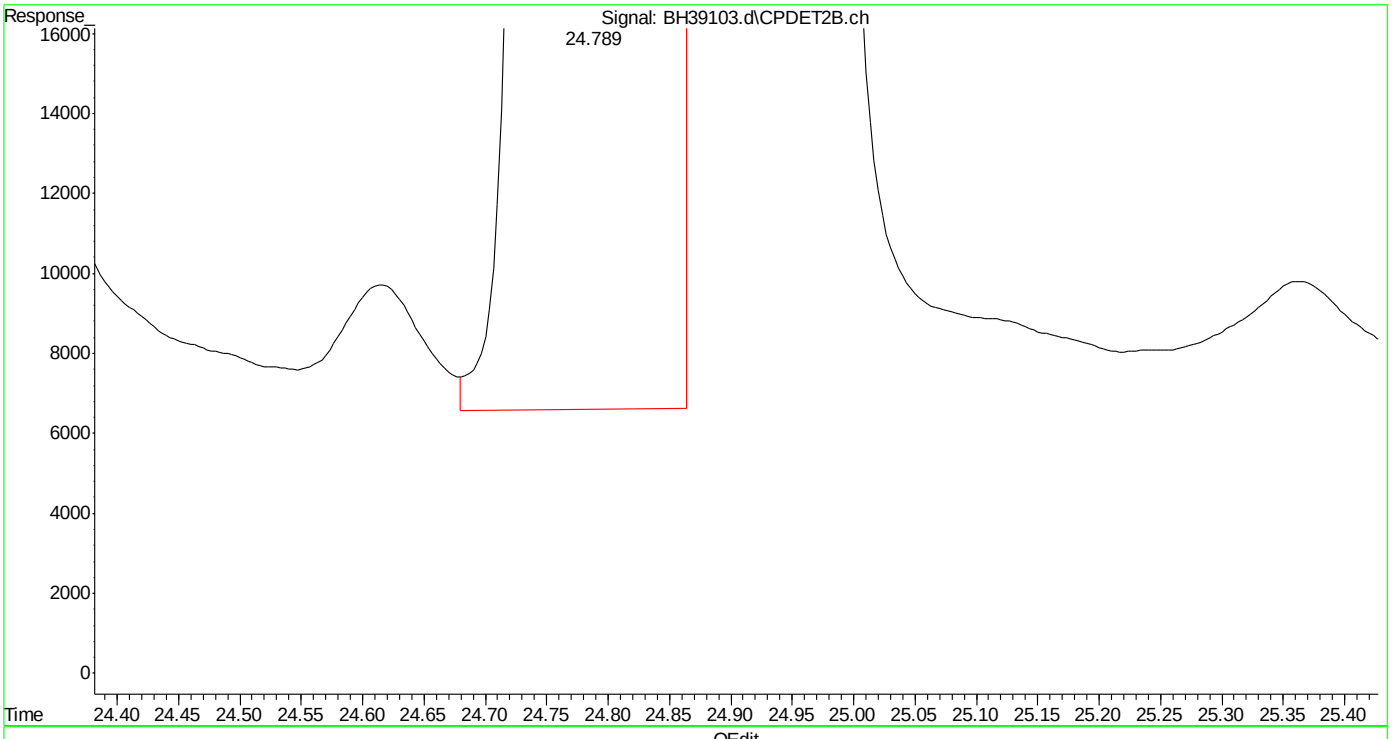
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:53:19 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.790min 43.260 ppb
response 27864401

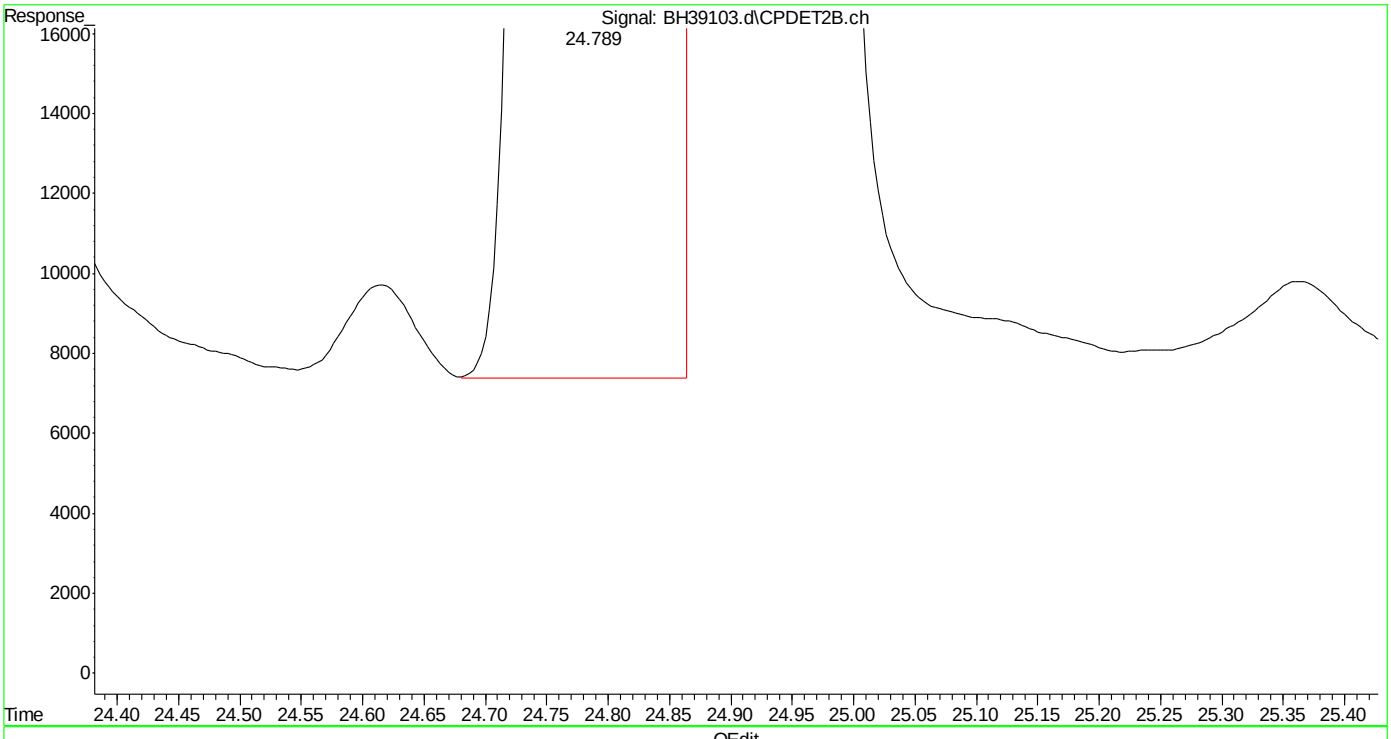
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:53:24 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.789min 43.275 ppb m
response 27874164

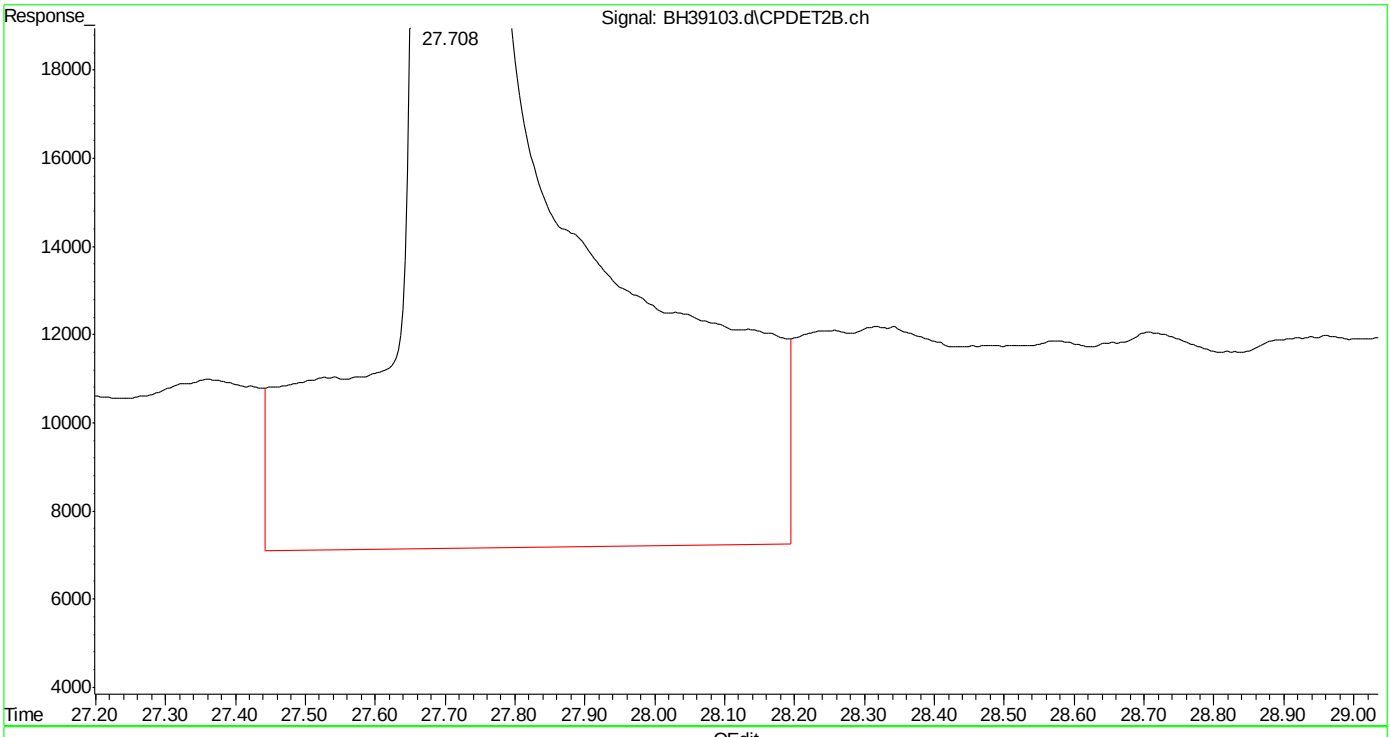
(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:53:33 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 49.715 ppb
response 27178917

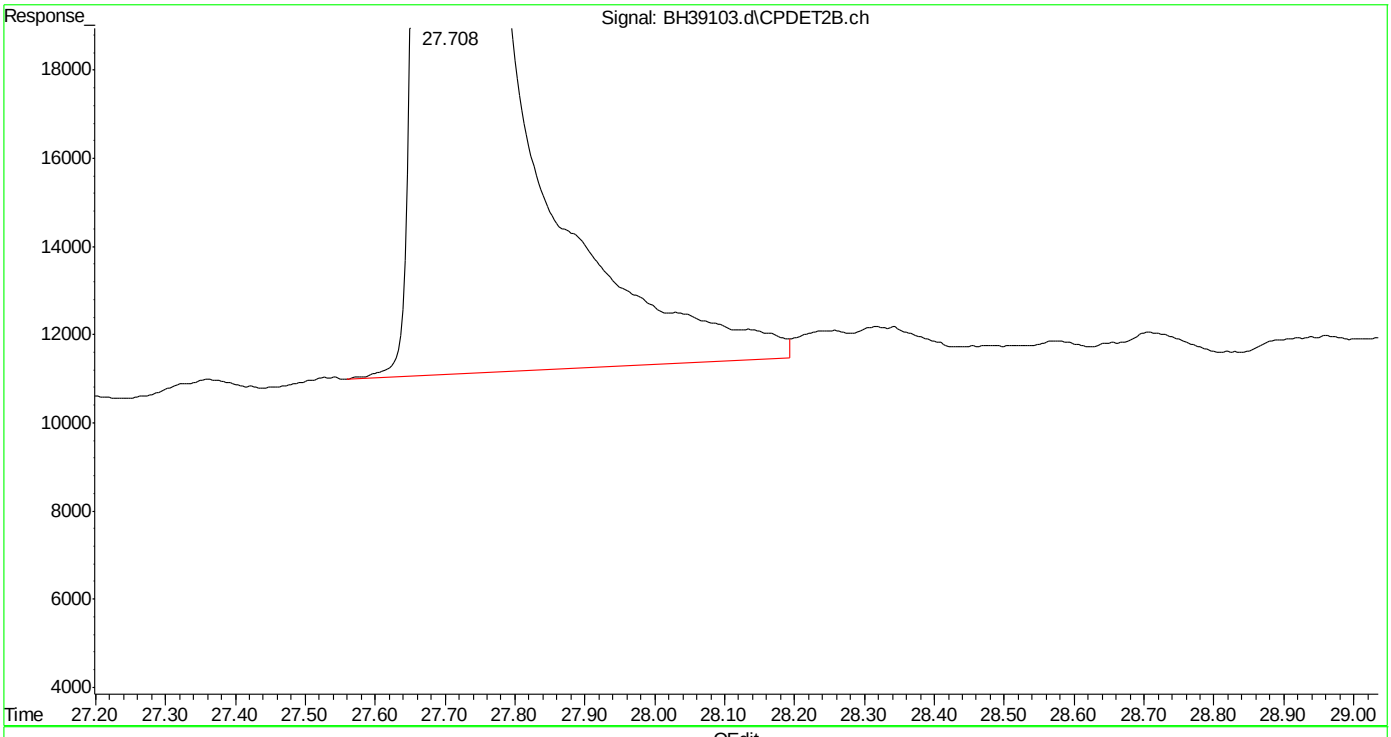
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39103.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:12 am
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 10:50:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.708min 46.416 ppb m
response 25375818

(+) = Expected Retention Time
bh160506vph.m Fri May 06 10:53:46 2016

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/09/16 09:40

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:26:37 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.671	42073137	44.808 ppb	m
Spiked Amount 50.000		Recovery =	89.62%	
6) s 2,3,4-trifluorotoluene	19.785	34653172	42.630 ppb	m
Spiked Amount 50.000		Recovery =	85.26%	
16) s fluorobenzene #2	14.671	18563926	45.677 ppb	m
Spiked Amount 50.000		Recovery =	91.35%	
18) s 2,3,4-trifluorotoluen...	19.785	11041884	43.476 ppb	m
Spiked Amount 50.000		Recovery =	86.95%	
Target Compounds				
1) h rt5.5-7	5.980	36272364	35.122 ppb	
2) h rt7/10	8.250	70804166	68.559 ppb	
3) h rt10/13	13.360	155723140	150.784 ppb	
8) h rt20/25	21.460	469146247	390.056 ppb	m
14) t mtbe #2	9.018	13148494	46.759 ppb	
15) t benzene #2	14.170	28461524	43.276 ppb	
17) t toluene #2	18.666	26637819	43.195 ppb	m
19) t ethylbenzene #2	21.801	23517239	42.980 ppb	
20) t m,p-xylene #2	21.943	57939214	86.860 ppb	m
21) t o-xylene #2	22.754	24714090	42.453 ppb	m
23) t 1,2,4-trimethylbenzen...	24.788	27541744	42.759 ppb	m
24) t naphthalene #2	27.708	25631387	46.884 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	84344218	130.962 ppb	m

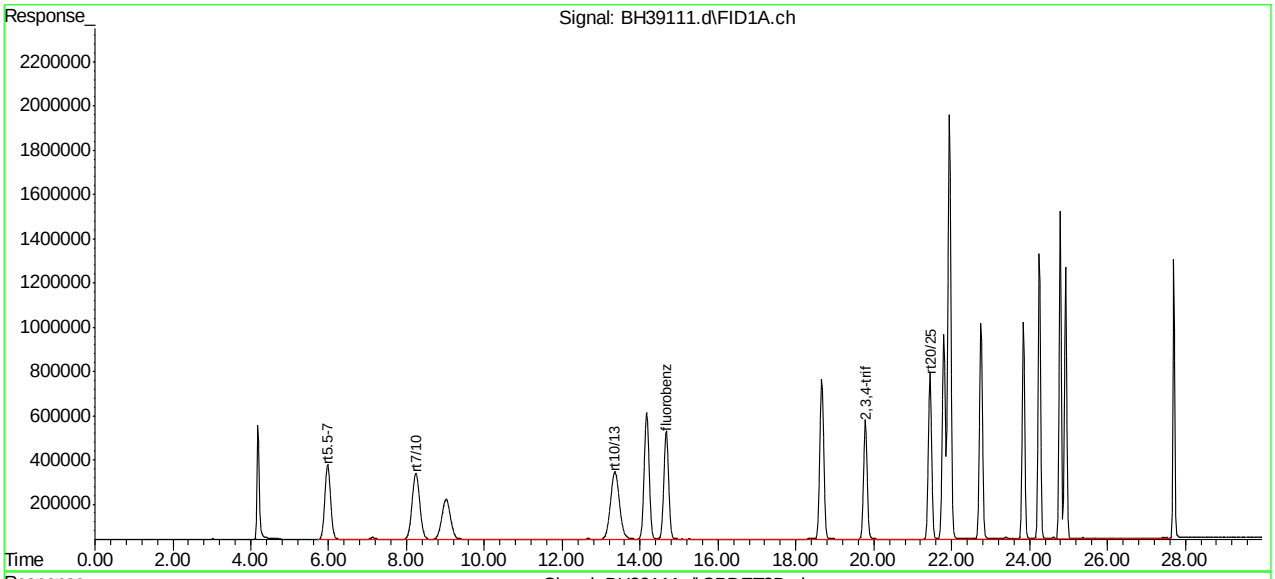
(f)=RT Delta > 1/2 Window (m)=manual int.

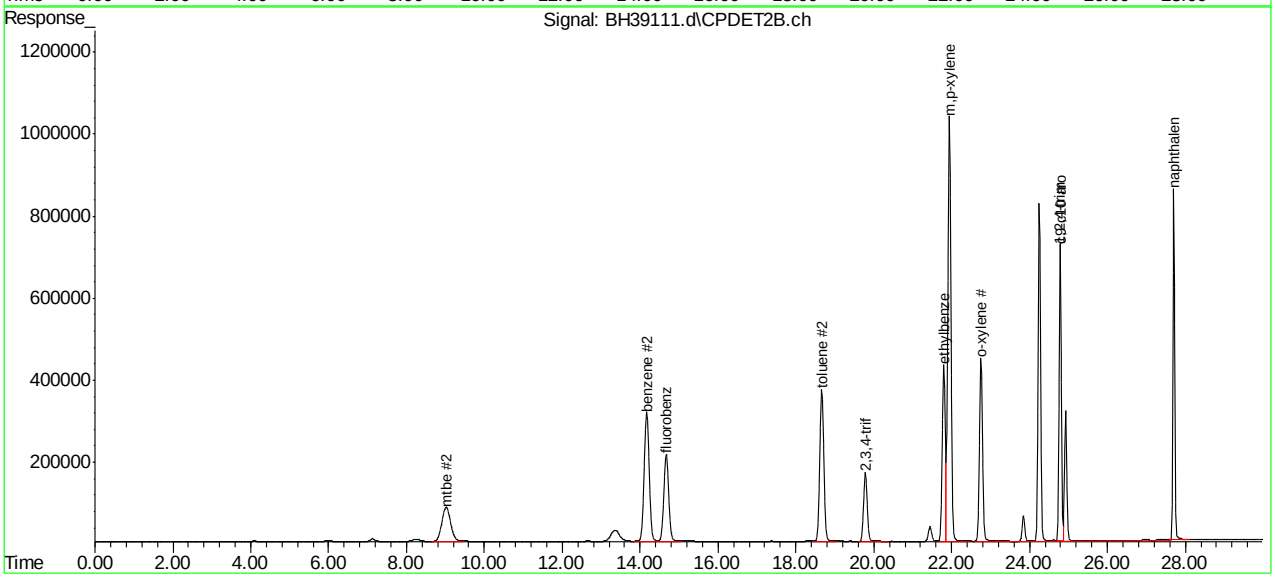
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

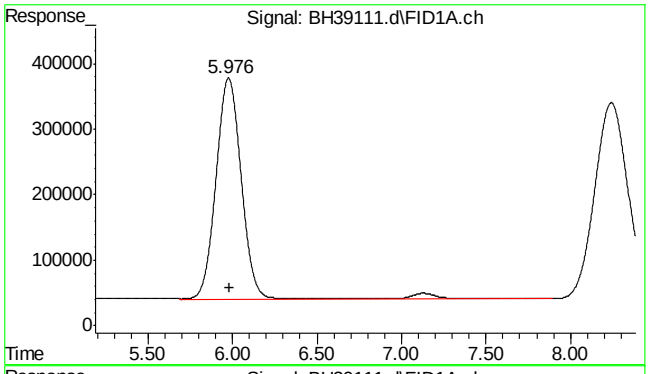
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:26:37 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



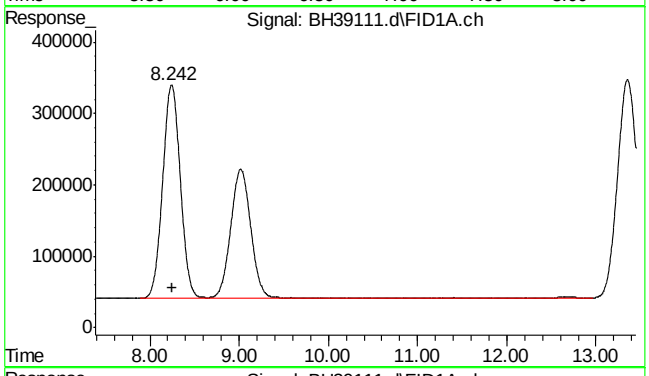


SGS ACCUTEST MC45754



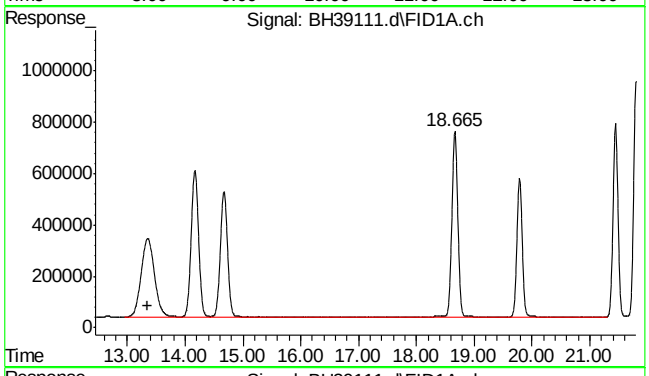
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 36272364
Conc: 35.12 ppb



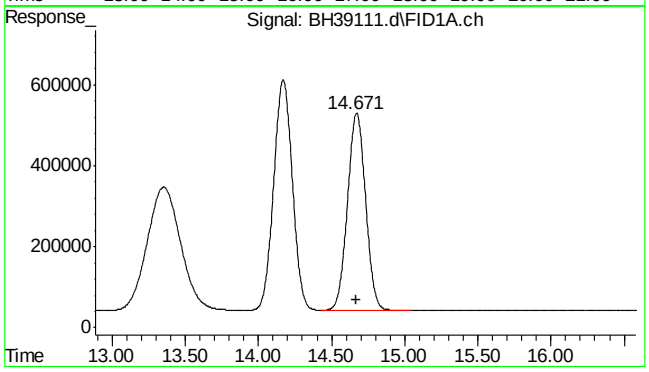
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 70804166
Conc: 68.56 ppb



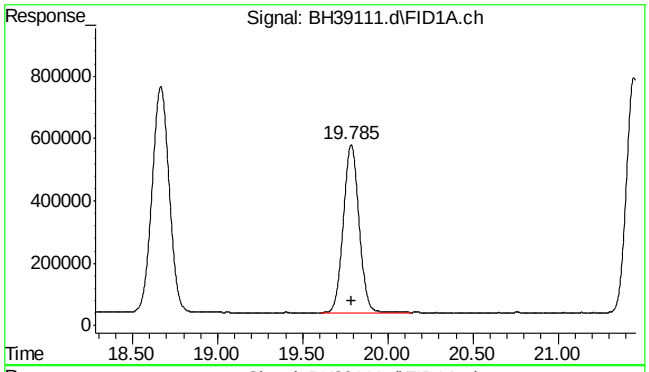
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 155723140
Conc: 150.78 ppb



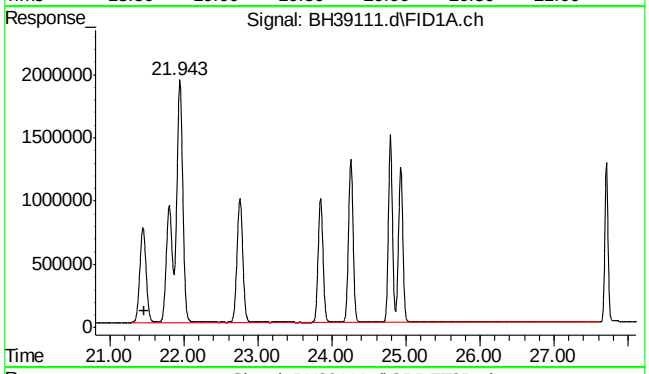
#4 fluorobenzene

R.T.: 14.671 min
Delta R.T.: 0.000 min
Response: 42073137
Conc: 44.81 ppb m



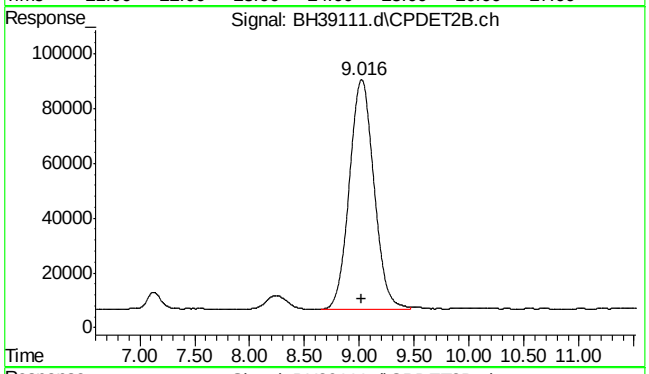
#6 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 34653172
Conc: 42.63 ppb m



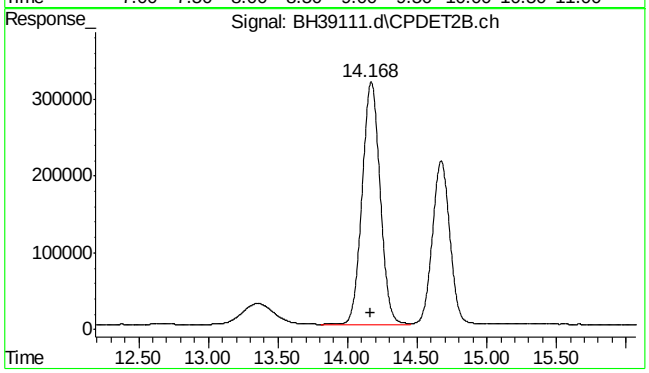
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 469146247
Conc: 390.06 ppb m



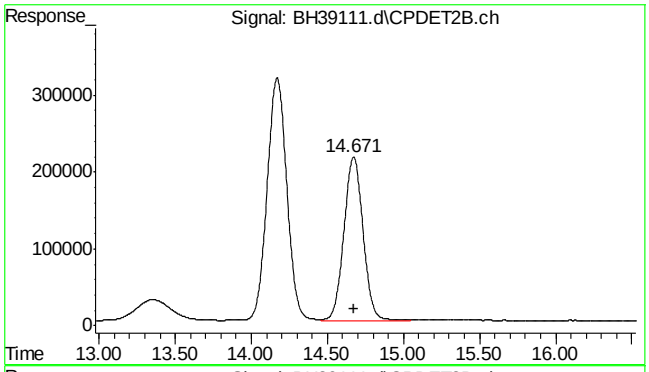
#14 mtbe #2

R.T.: 9.018 min
Delta R.T.: 0.002 min
Response: 13148494
Conc: 46.76 ppb



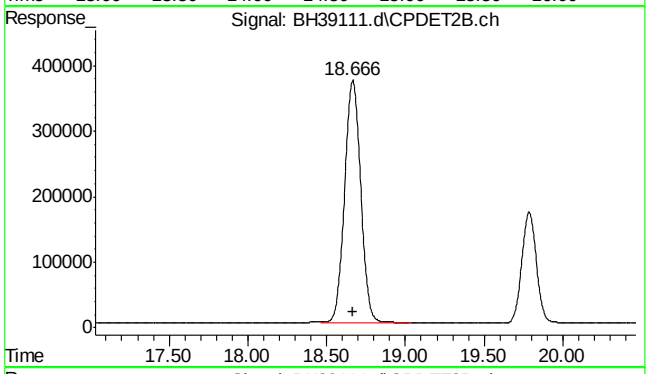
#15 benzene #2

R.T.: 14.170 min
Delta R.T.: 0.000 min
Response: 28461524
Conc: 43.28 ppb



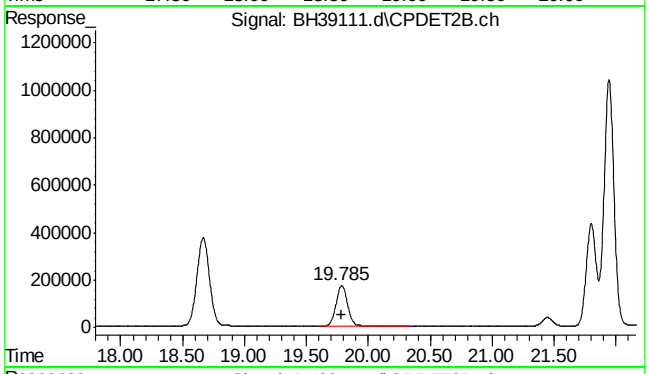
#16 fluorobenzene #2

R.T.: 14.671 min
Delta R.T.: 0.000 min
Response: 18563926
Conc: 45.68 ppb m



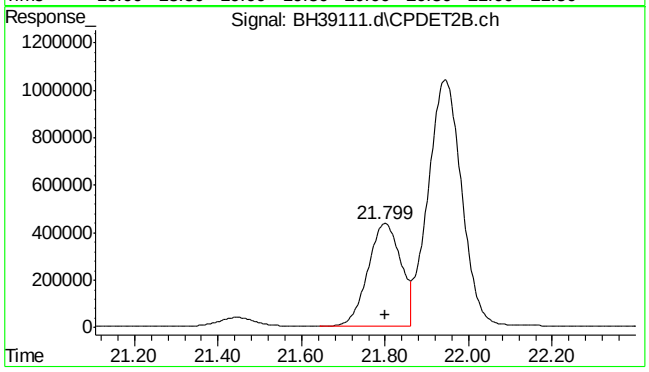
#17 toluene #2

R.T.: 18.666 min
Delta R.T.: 0.000 min
Response: 26637819
Conc: 43.19 ppb m



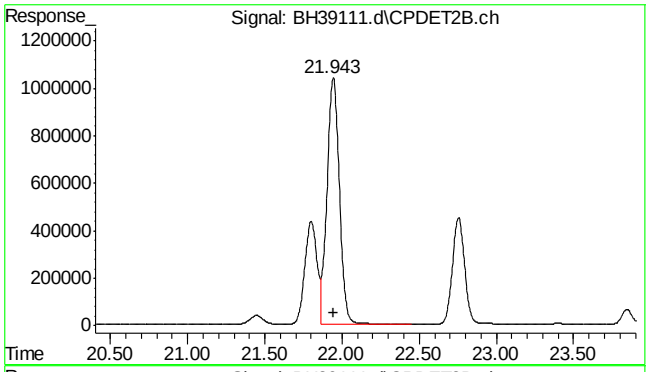
#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 11041884
Conc: 43.48 ppb m



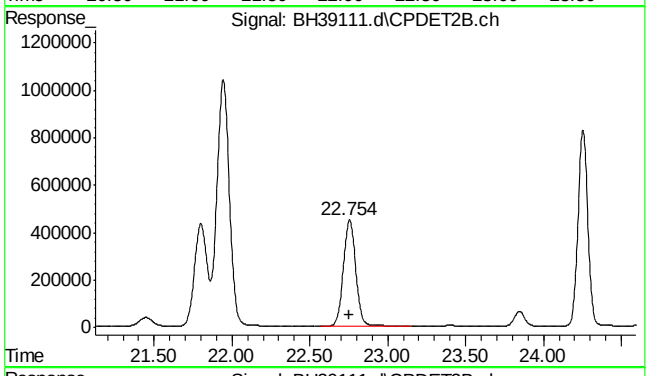
#19 ethylbenzene #2

R.T.: 21.801 min
Delta R.T.: 0.000 min
Response: 23517239
Conc: 42.98 ppb



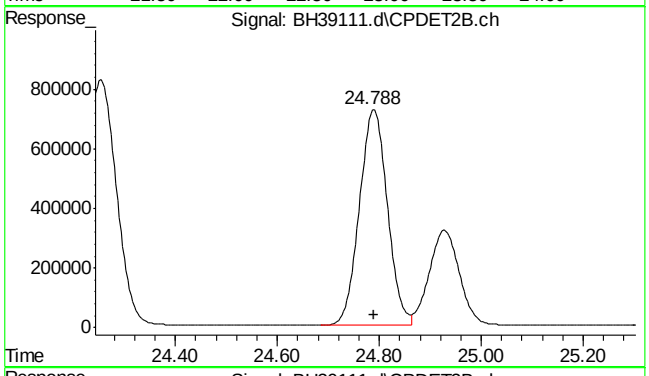
#20 m,p-xylene #2

R.T.: 21.943 min
Delta R.T.: 0.000 min
Response: 57939214
Conc: 86.86 ppb m



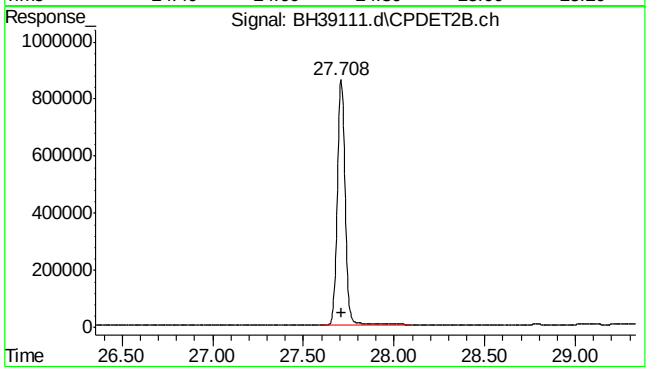
#21 o-xylene #2

R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 24714090
Conc: 42.45 ppb m



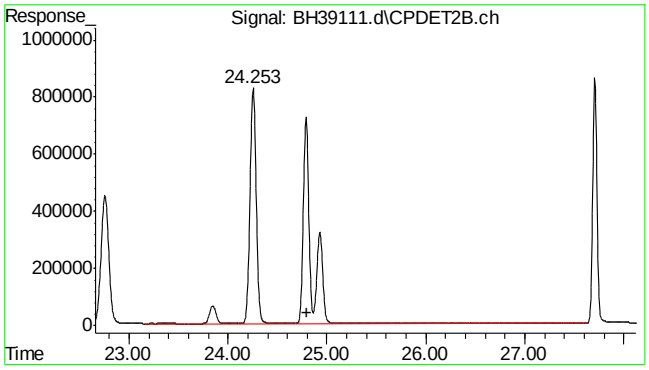
#23 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 27541744
Conc: 42.76 ppb m



#24 naphthalene #2

R.T.: 27.708 min
Delta R.T.: -0.001 min
Response: 25631387
Conc: 46.88 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 84344218
Conc: 130.96 ppb m

7.4.1

7

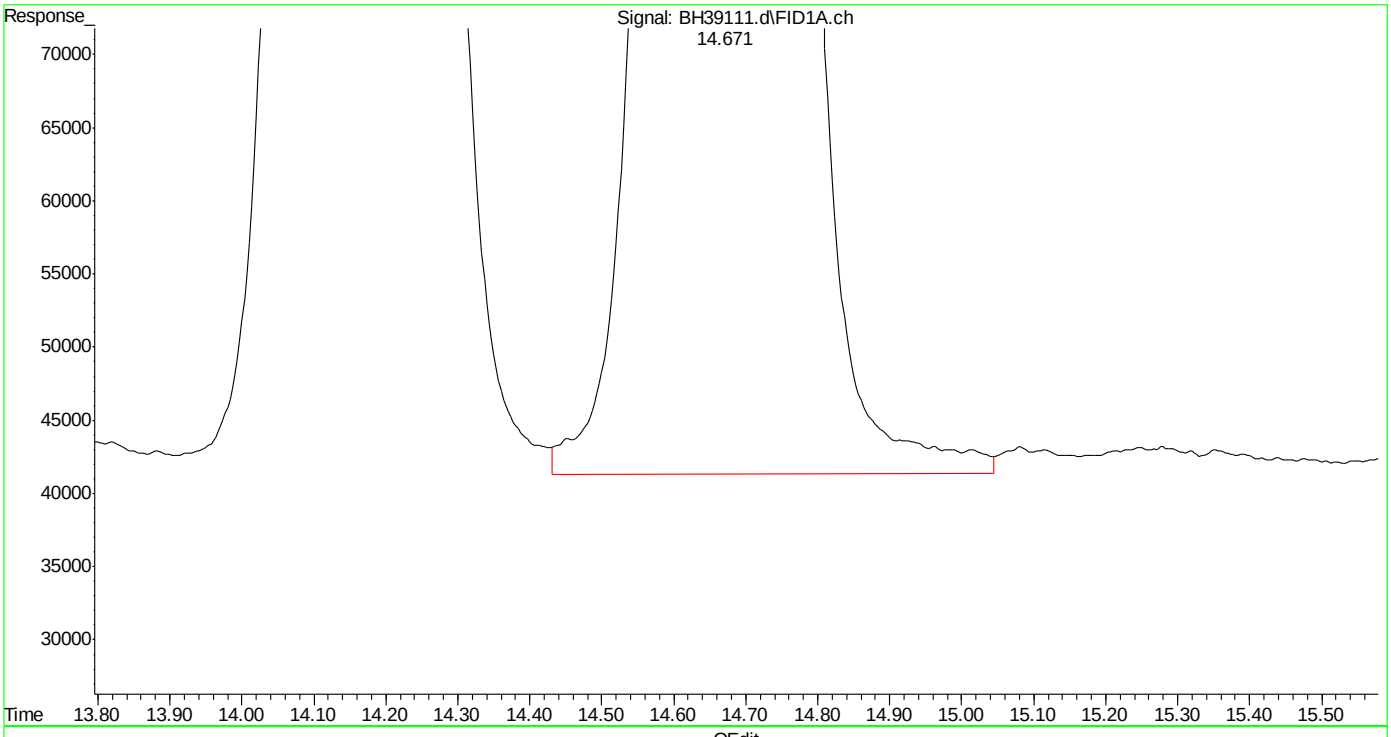
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.672min 45.199 ppb
response 42441139

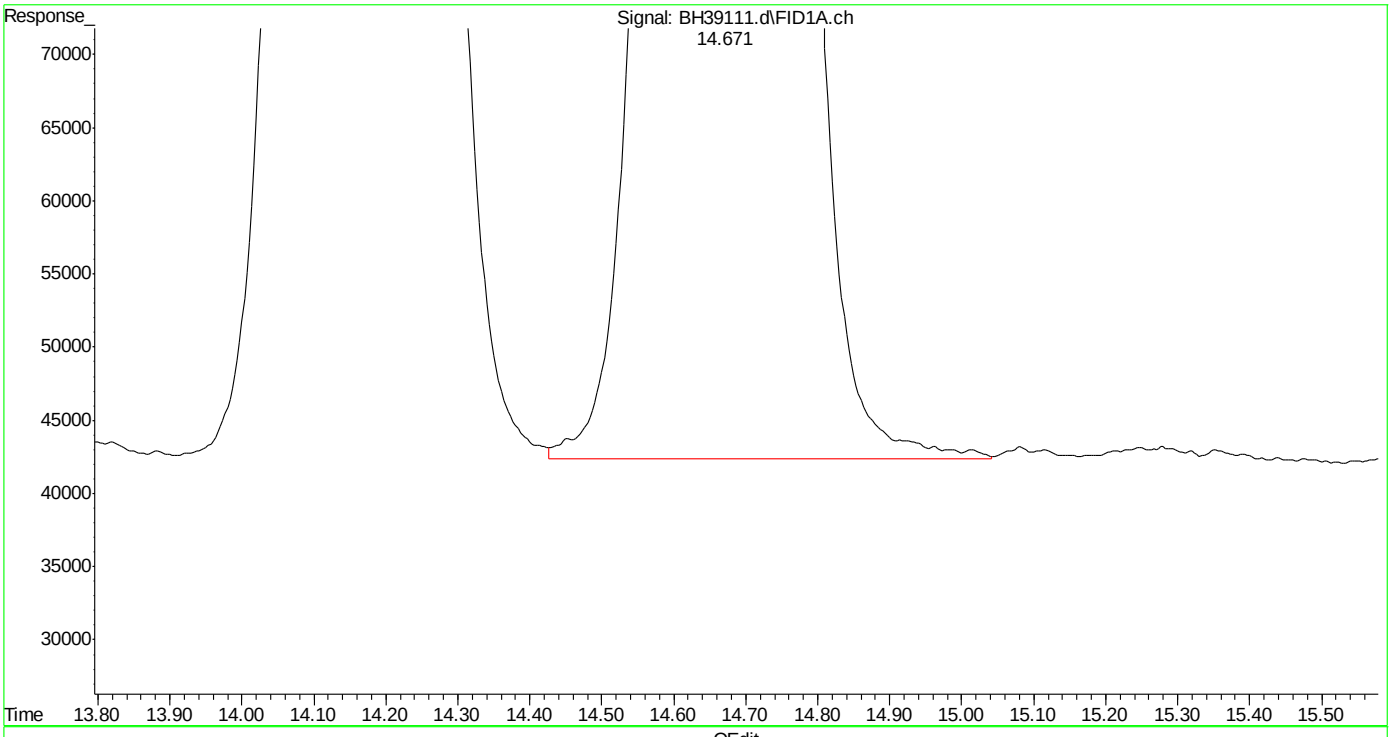
(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:24:09 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 44.808 ppb m
response 42073137

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:24:23 2016 Page: 1

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(6) 2,3,4-trifluorotoluene (s)
19.786min 42.775 ppb
response 34770912

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:24:29 2016 Page: 1

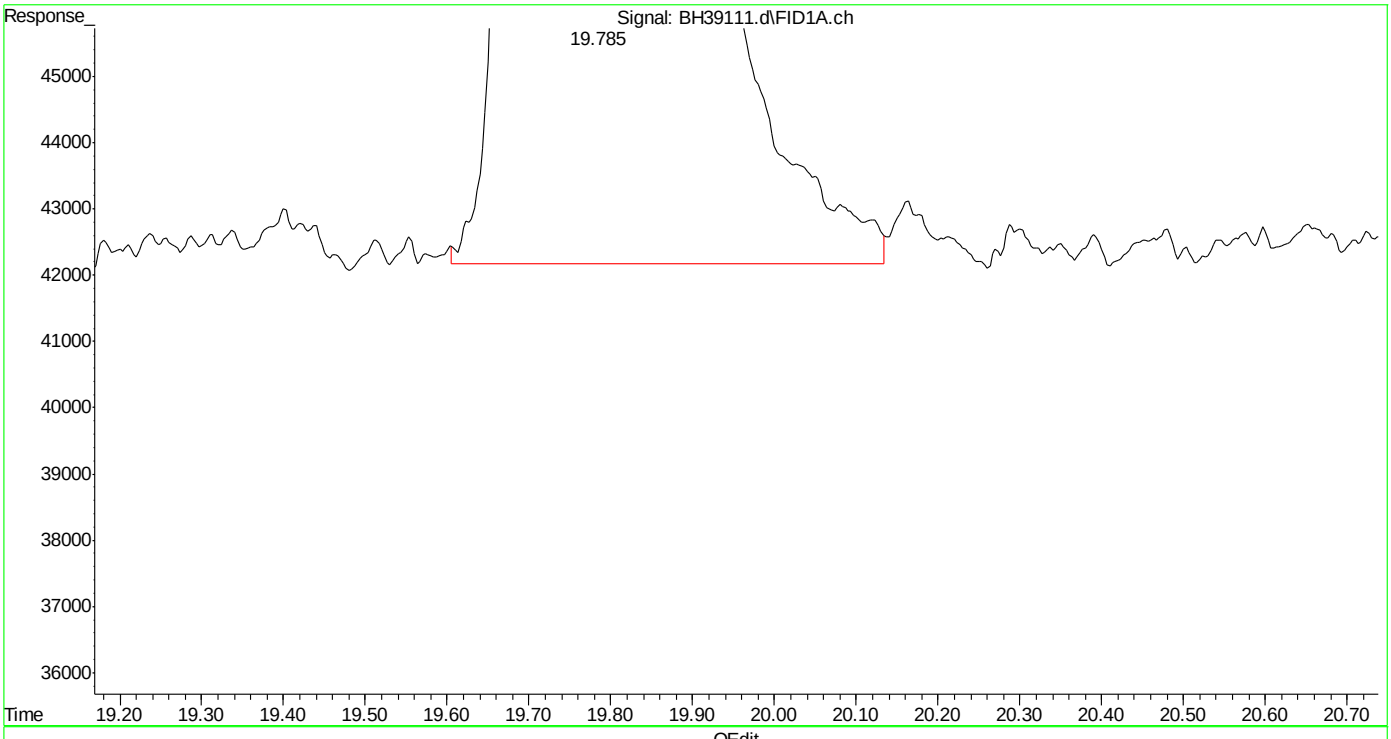
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 42.630 ppb m
response 34653172

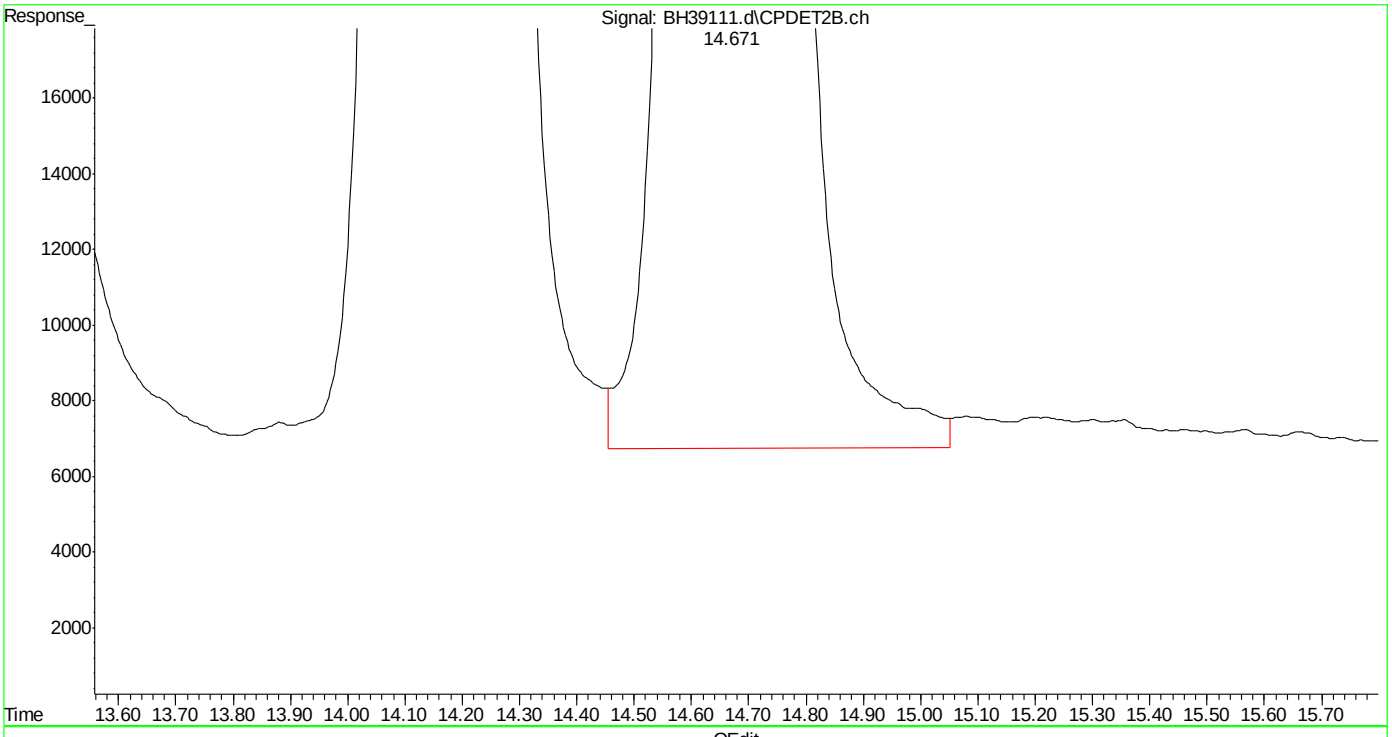
(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:24:36 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.673min 45.989 ppb
response 18690891

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:03 2016

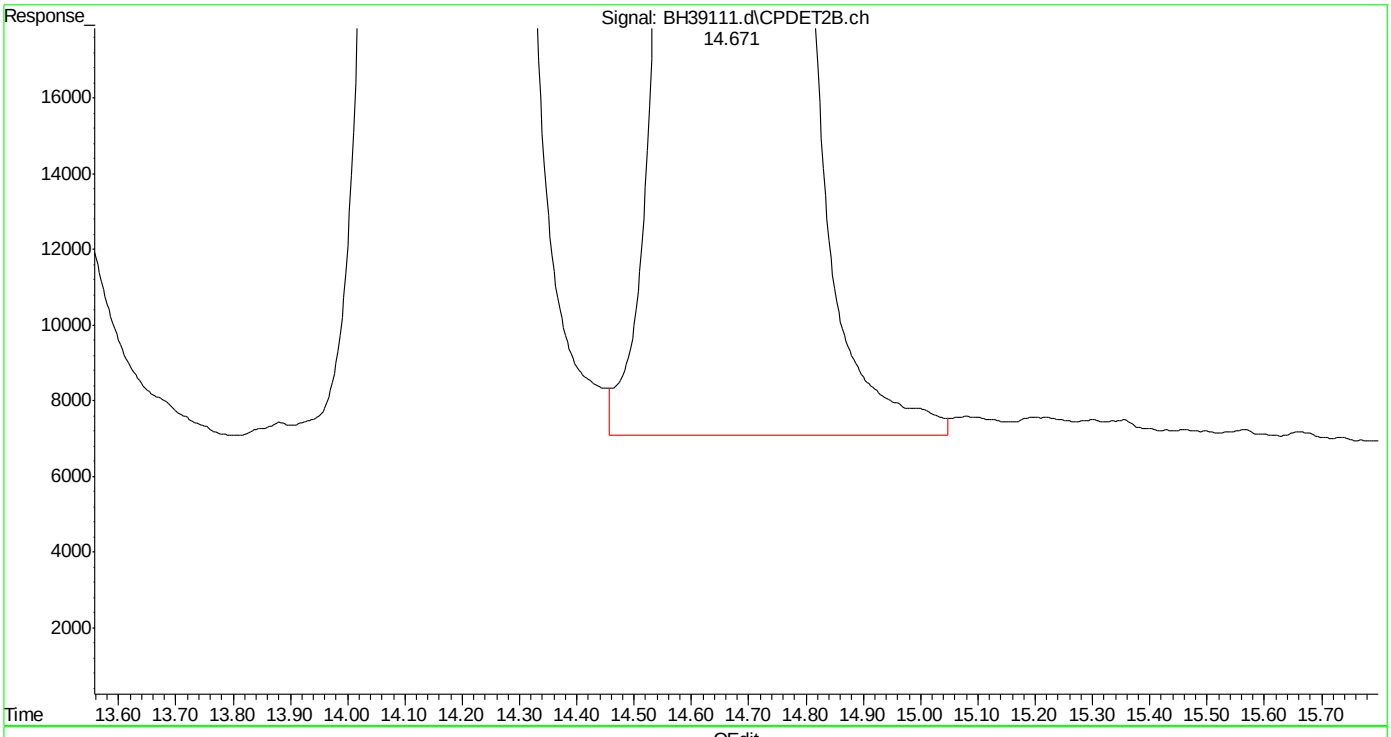
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 45.677 ppb m
response 18563926

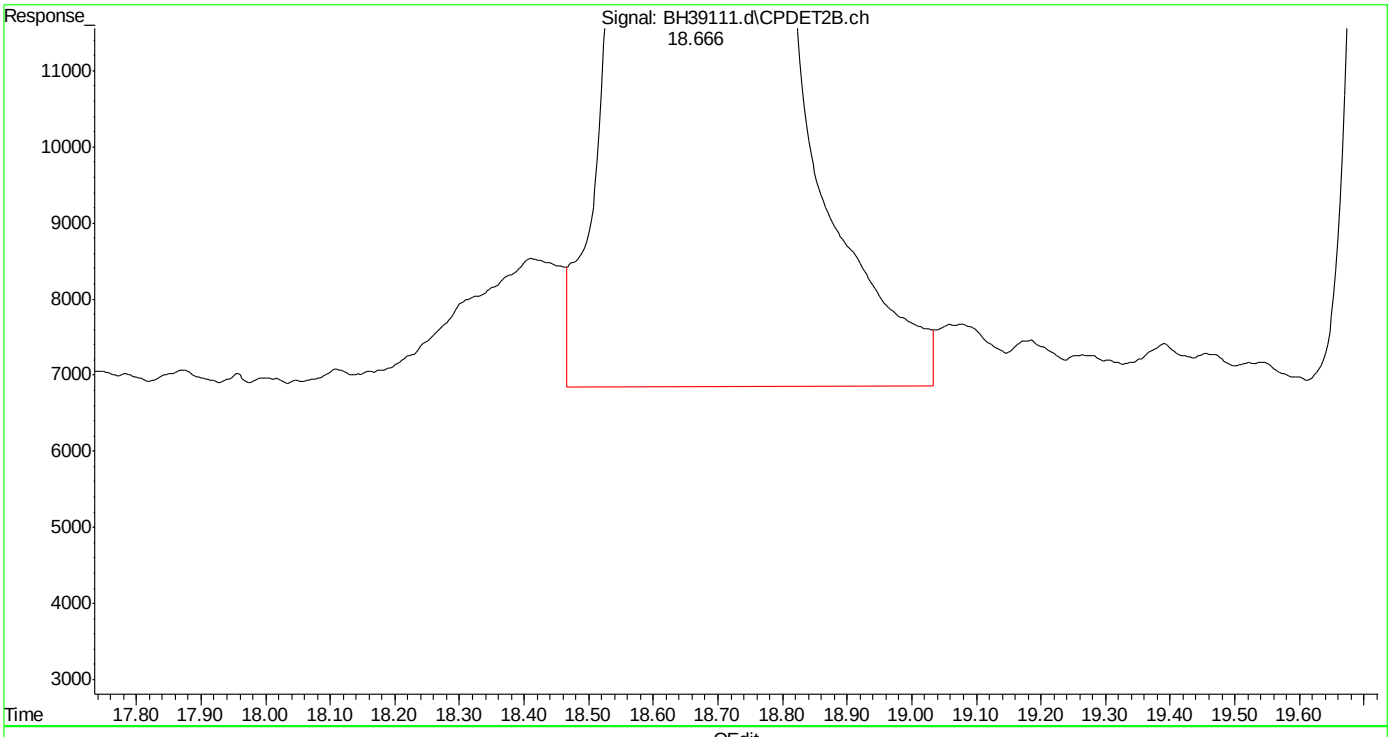
(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:10 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.667min 43.273 ppb
response 26685970

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:15 2016

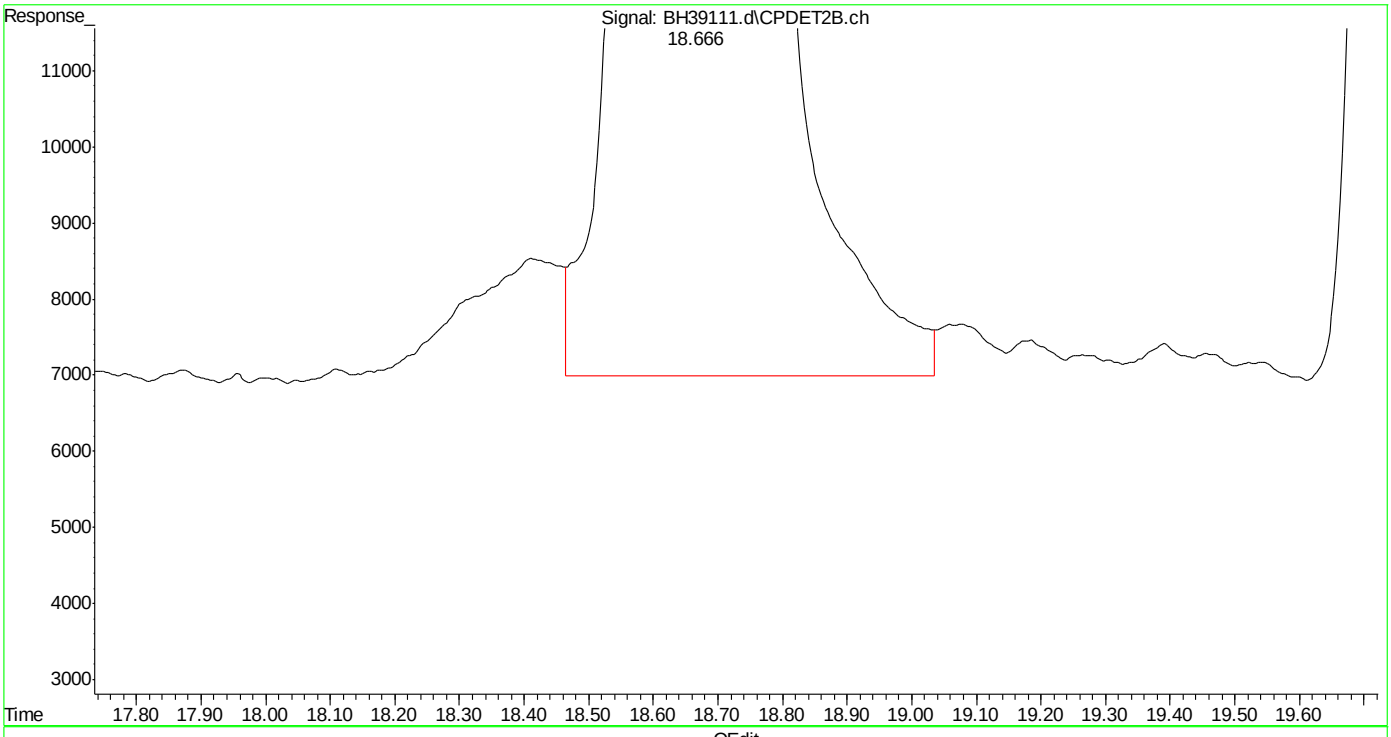
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 43.195 ppb m
response 26637819

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:22 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 43.552 ppb
response 11061206

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 43.476 ppb m
response 11041884

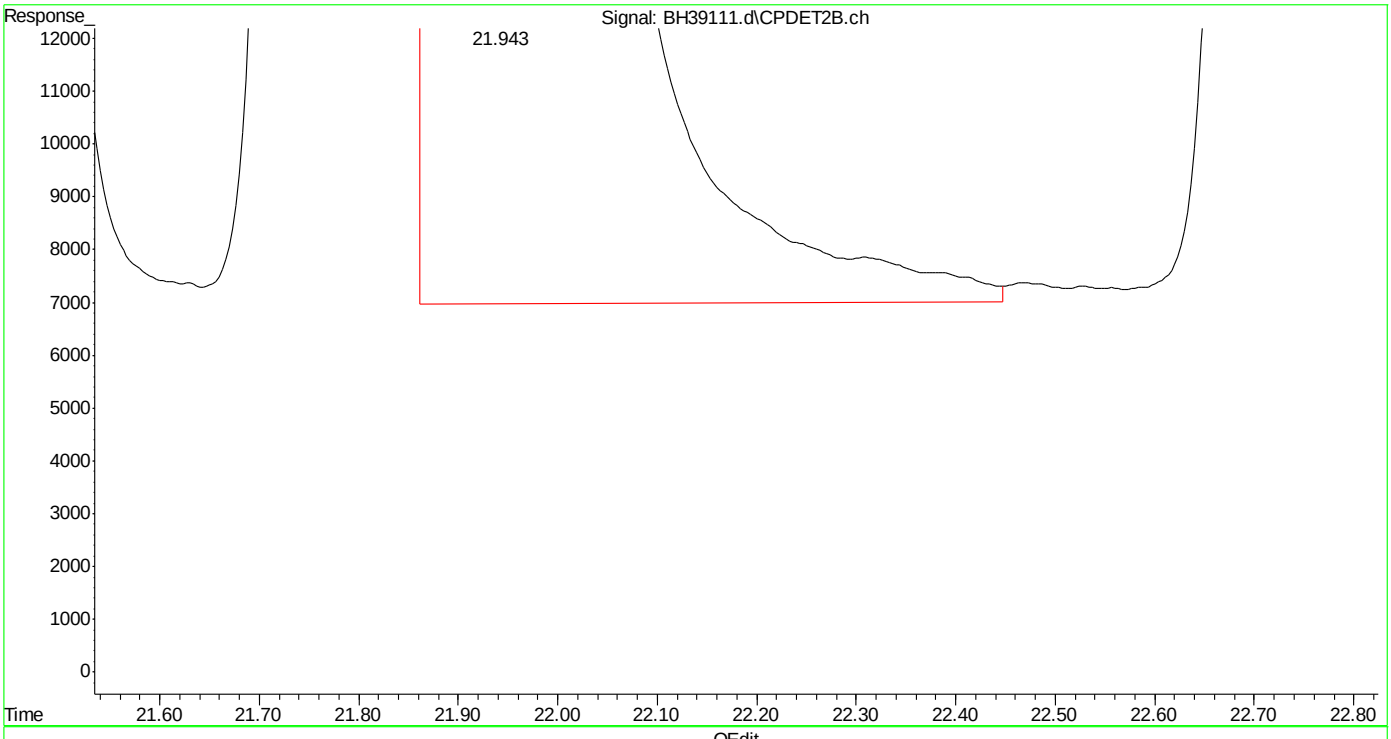
(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:33 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.944min 87.466 ppb
response 58343167

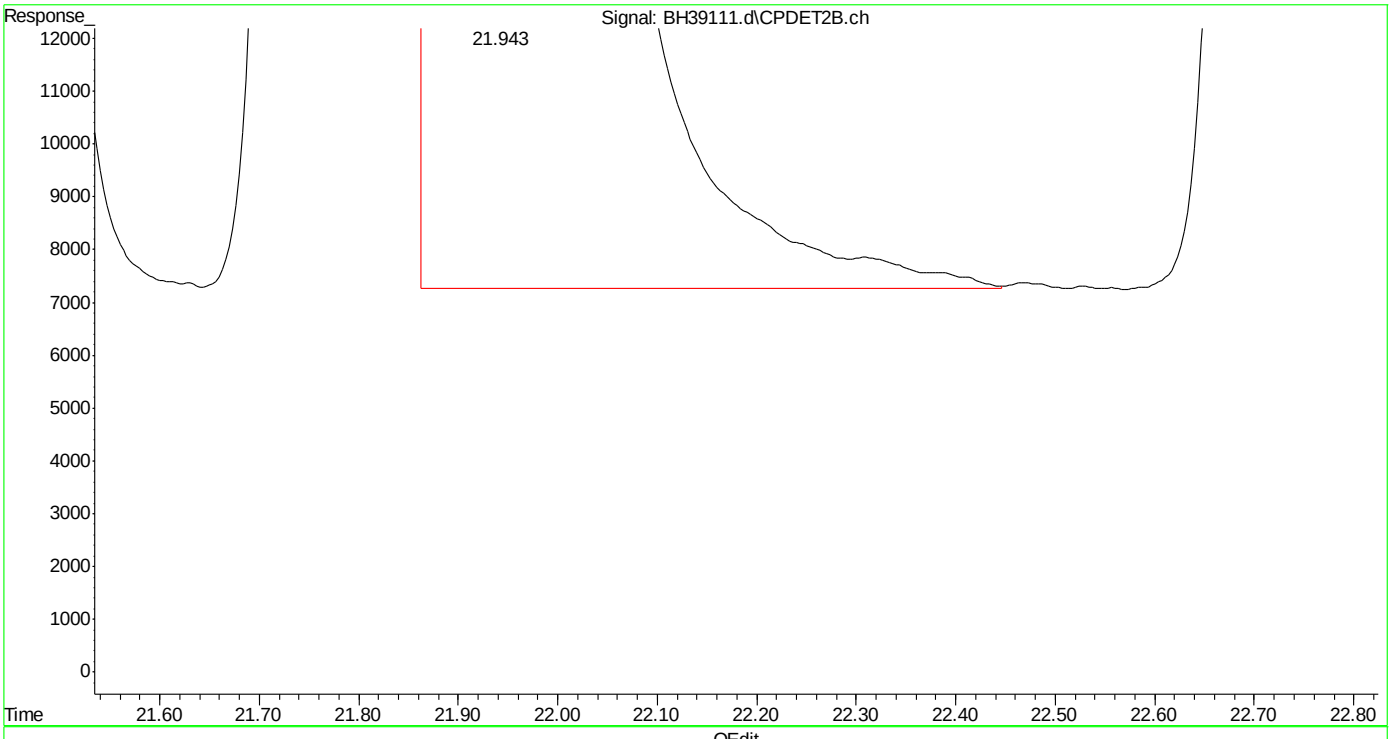
(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:40 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.943min 86.860 ppb m
response 57939214

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:49 2016 Page: 1

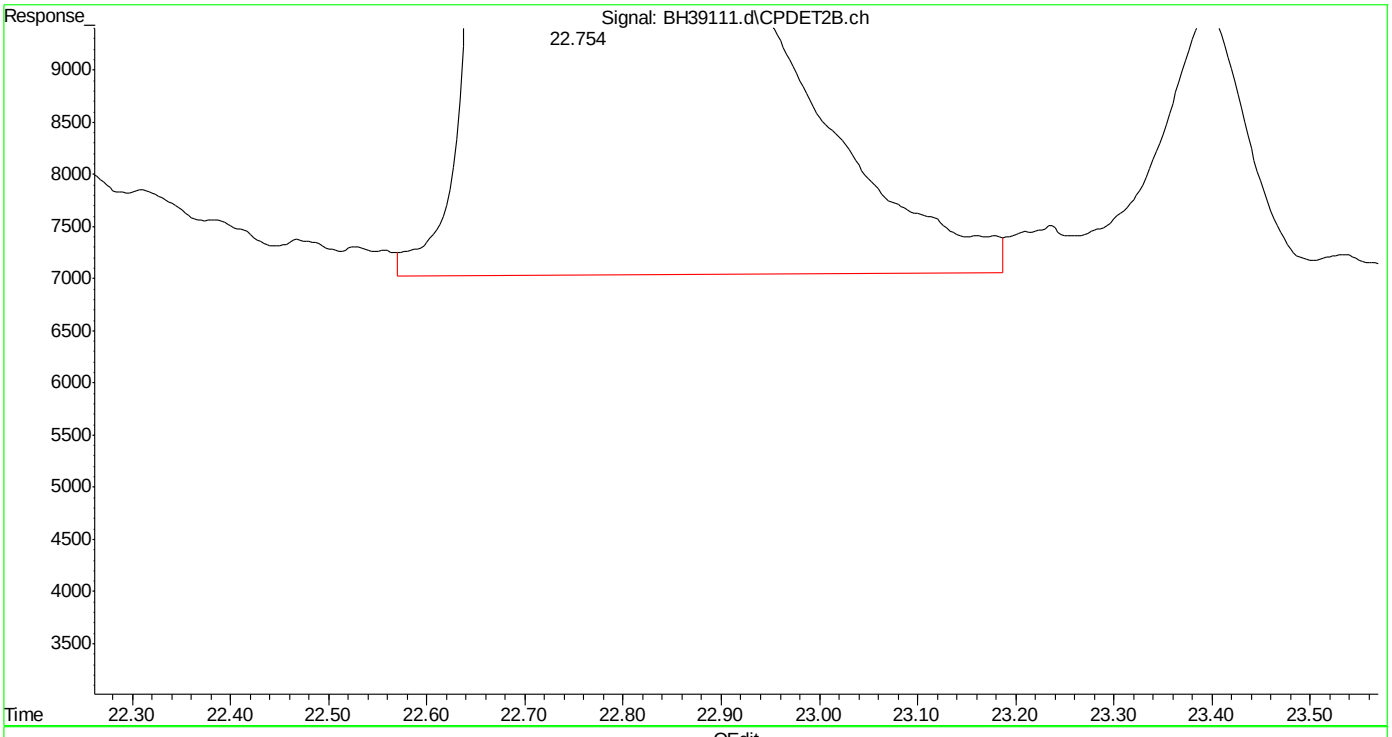
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.756min 42.581 ppb
response 24788535

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:53 2016

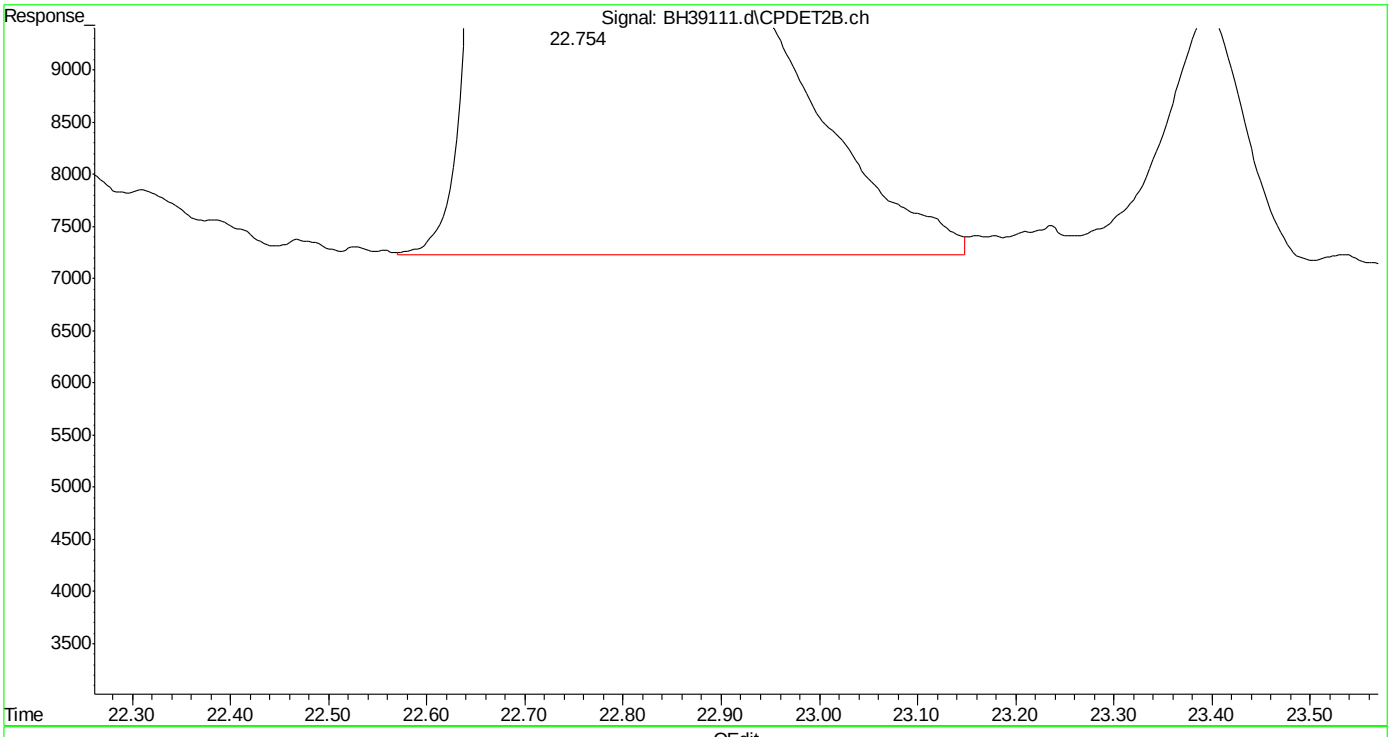
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 42.453 ppb m
response 24714090

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:25:58 2016

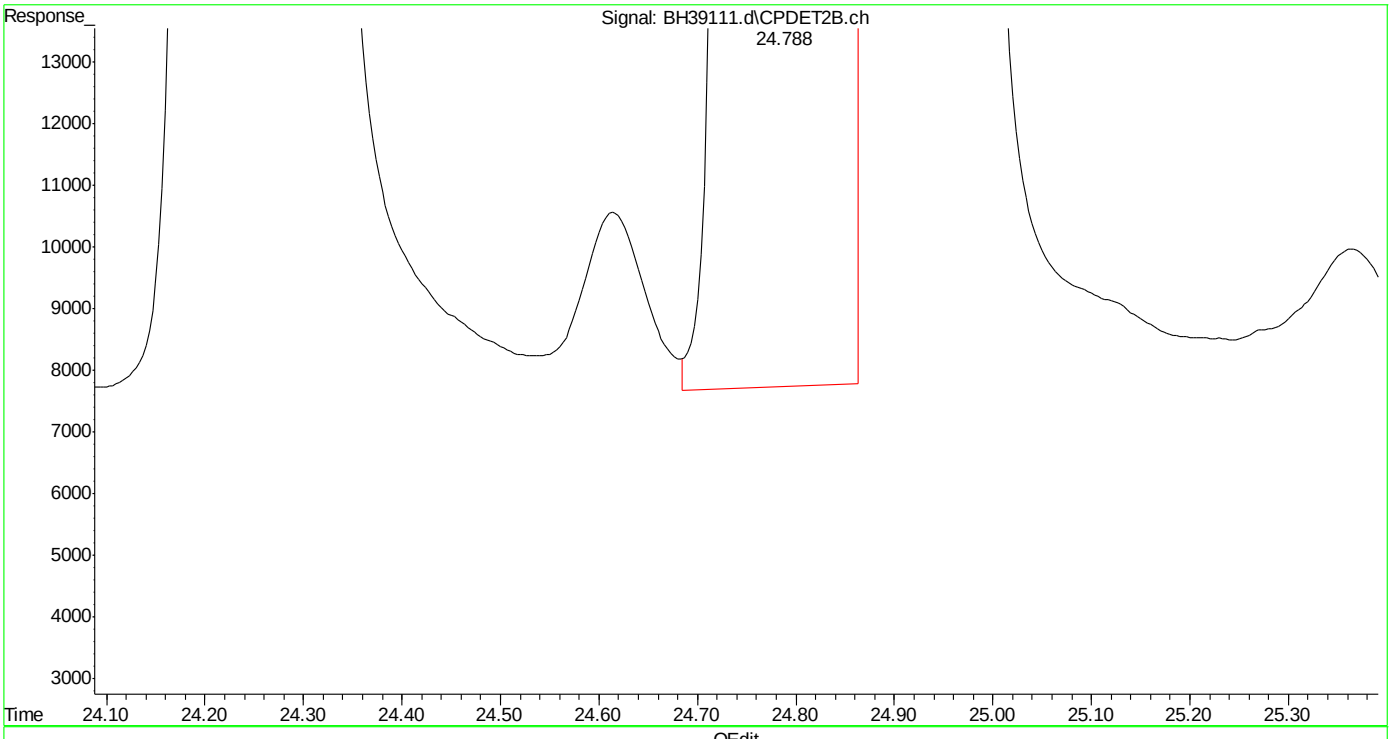
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.790min 42.856 ppb
response 27604743

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:26:07 2016 Page: 1

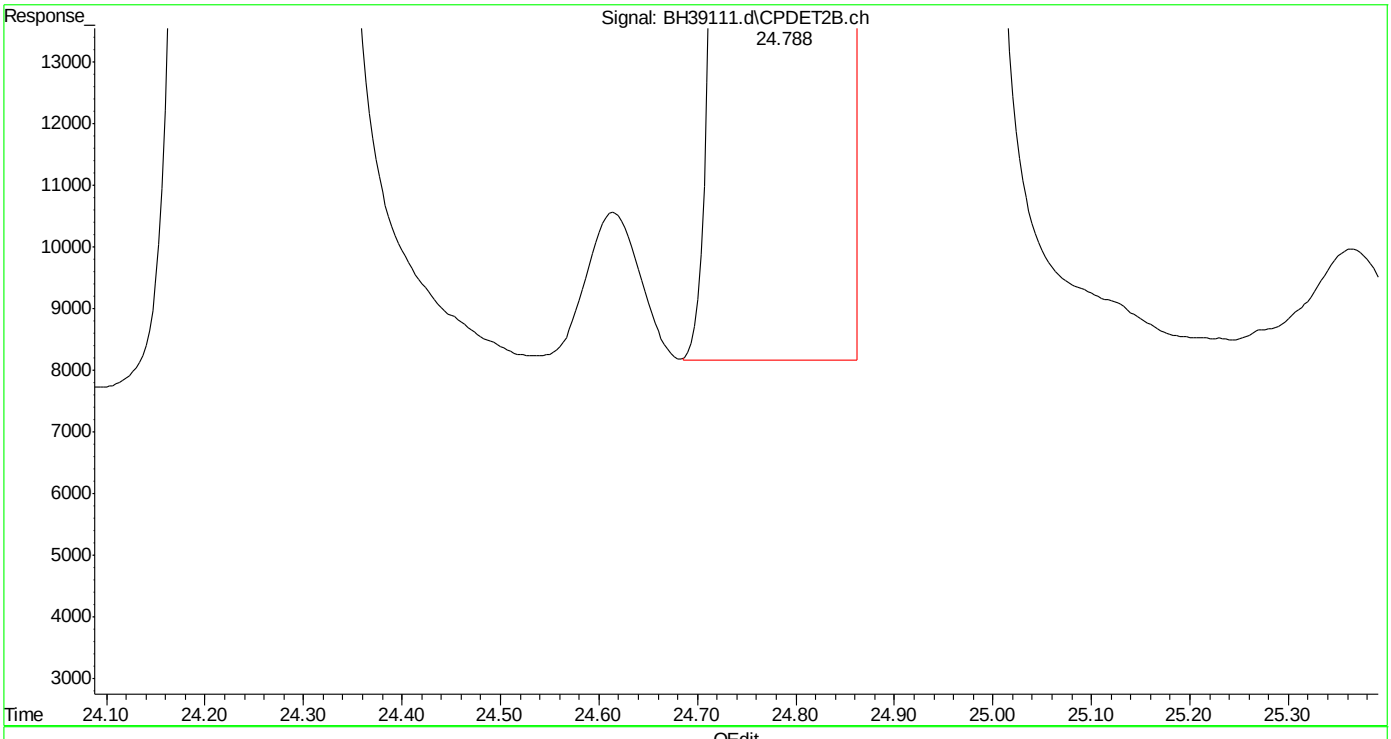
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.788min 42.759 ppb m
response 27541744

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:26:12 2016 Page: 1

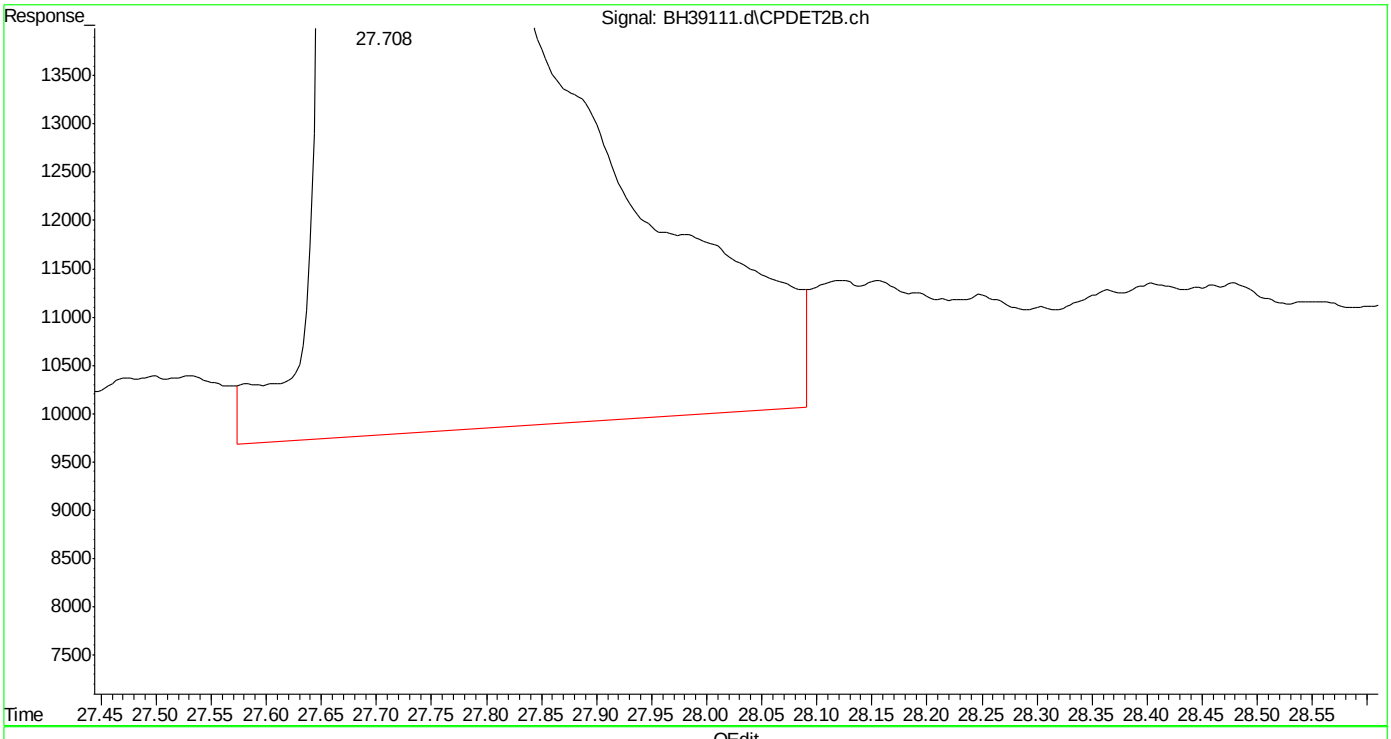
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.709min 47.240 ppb
response 25825911

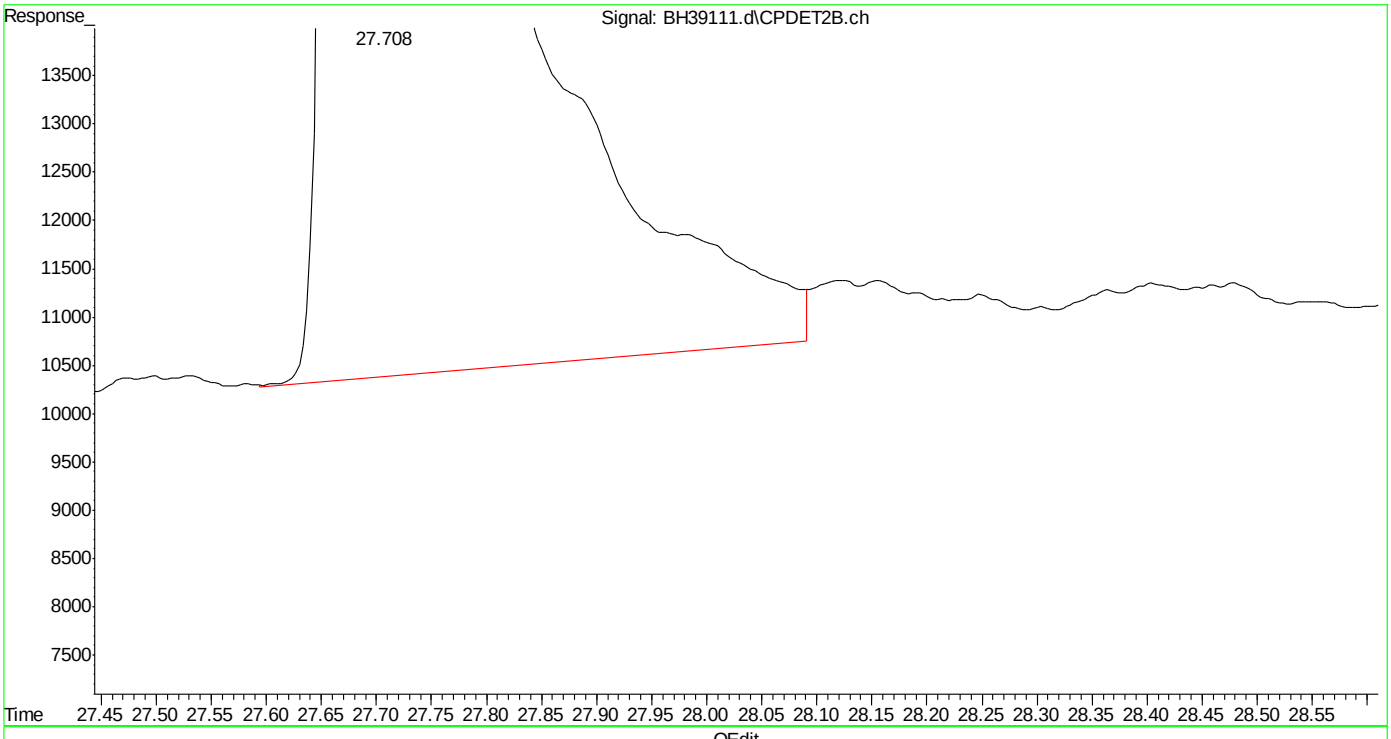
(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:26:16 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39111.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 2:52 pm
Operator : danielf
Sample : mc45754-3ms,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 15:23:51 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.708min 46.884 ppb m
response 25631387

(+) = Expected Retention Time
bh160506vph.m Fri May 06 15:26:21 2016 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/09/16 09:40

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:11:11 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.670	41176673	43.853 ppb	m
Spiked Amount 50.000		Recovery	= 87.71%	
6) s 2,3,4-trifluorotoluene	19.785	34065910	41.908 ppb	m
Spiked Amount 50.000		Recovery	= 83.82%	
16) s fluorobenzene #2	14.671	18407579	45.292 ppb	m
Spiked Amount 50.000		Recovery	= 90.58%	
18) s 2,3,4-trifluorotoluen...	19.784	10938698	43.069 ppb	m
Spiked Amount 50.000		Recovery	= 86.14%	
Target Compounds				
1) h rt5.5-7	5.980	35413889	34.291 ppb	
2) h rt7/10	8.250	70104227	67.881 ppb	
3) h rt10/13	13.360	153240915	148.381 ppb	
8) h rt20/25	21.460	462042386	384.150 ppb	m
14) t mtbe #2	9.015	12899797	45.874 ppb	m
15) t benzene #2	14.168	28008635	42.587 ppb	m
17) t toluene #2	18.665	26340983	42.714 ppb	m
19) t ethylbenzene #2	21.800	23301221	42.586 ppb	
20) t m,p-xylene #2	21.942	57154973	85.685 ppb	m
21) t o-xylene #2	22.754	24286248	41.718 ppb	m
23) t 1,2,4-trimethylbenzen...	24.789	27108454	42.086 ppb	m
24) t naphthalene #2	27.708	25611422	46.847 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	82626621	128.295 ppb	m

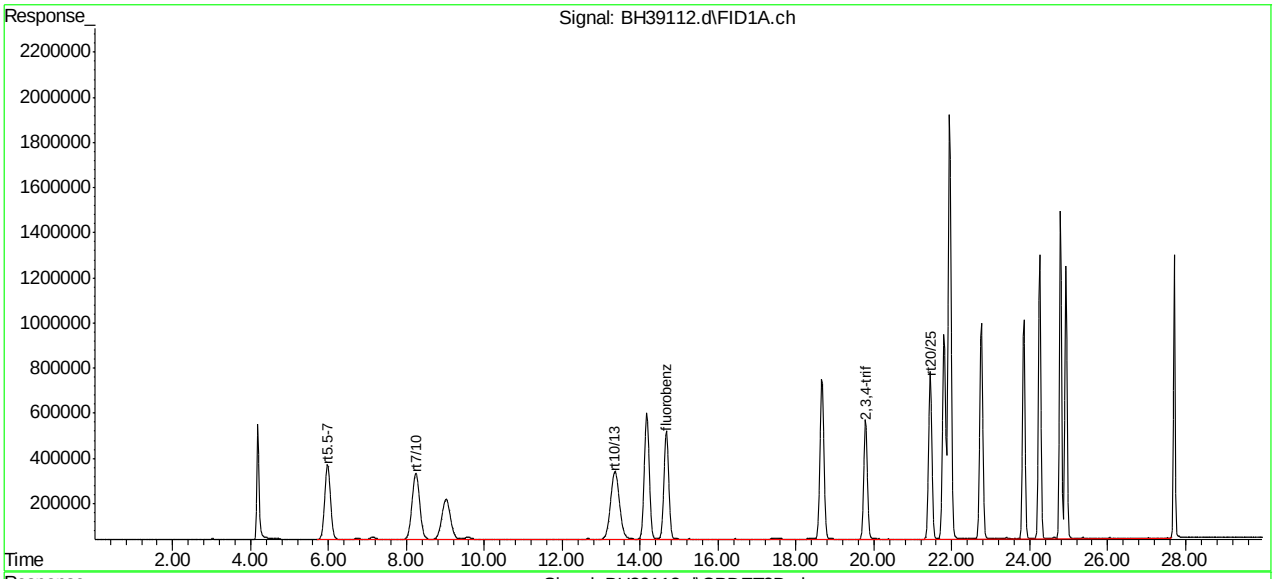
(f)=RT Delta > 1/2 Window (m)=manual int.

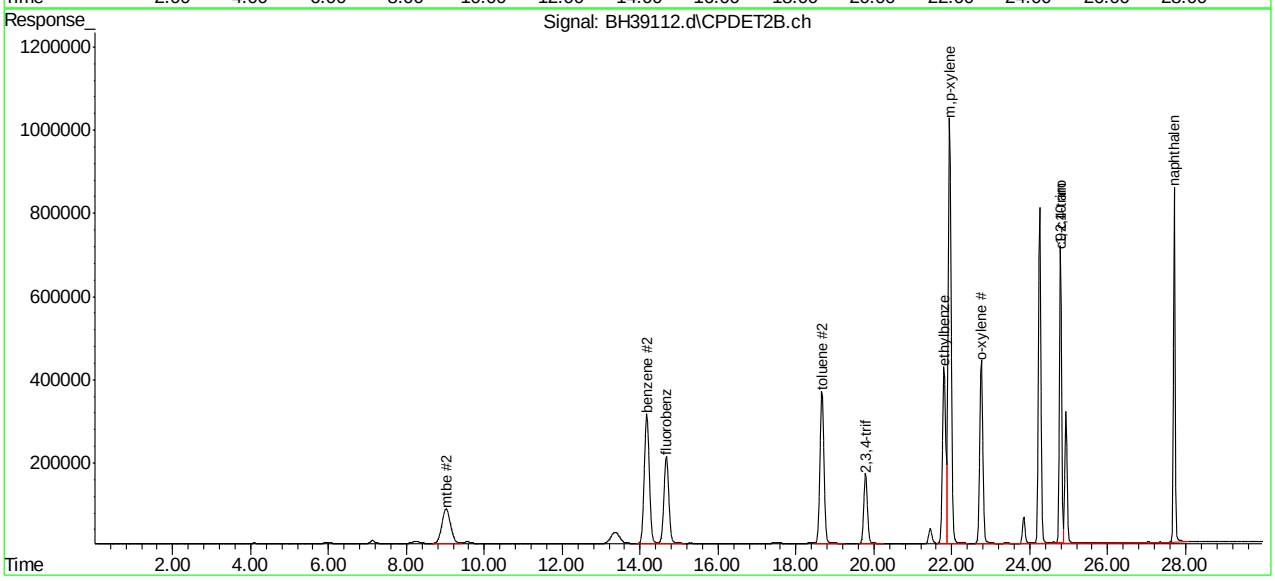
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

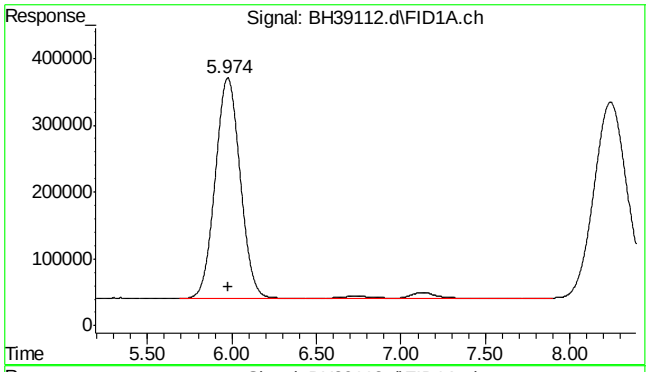
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:11:11 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



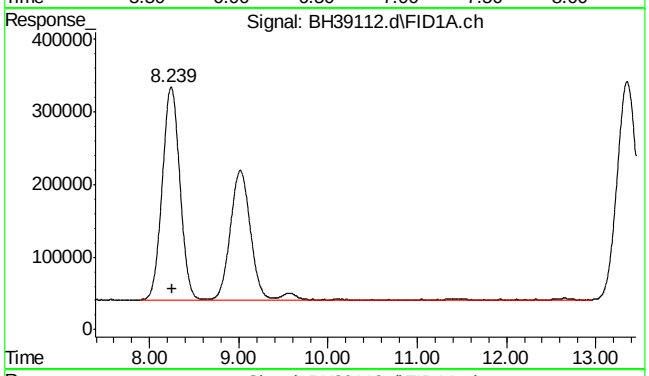


bh160506vph.m Sat May 07 09:36:43 2016 Page: 2



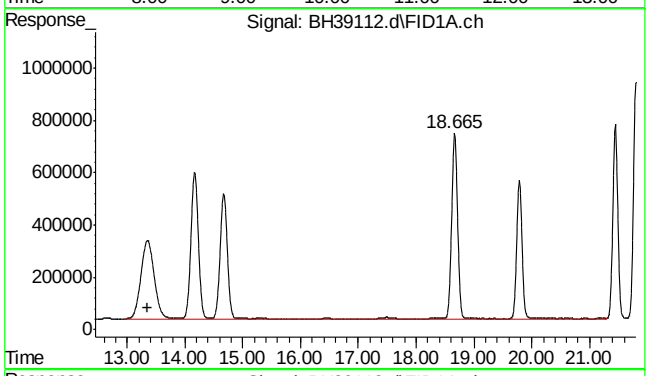
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 35413889
Conc: 34.29 ppb



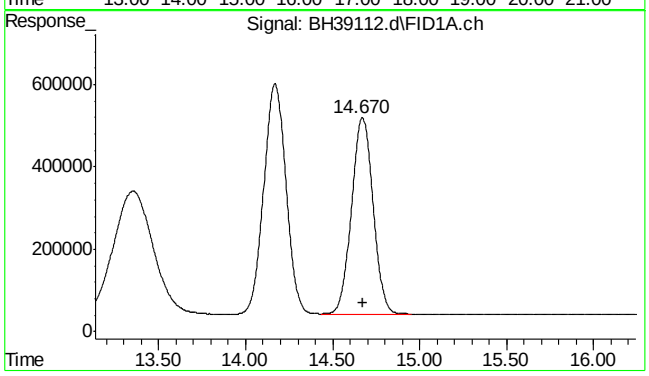
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 70104227
Conc: 67.88 ppb



#3 rt10/13

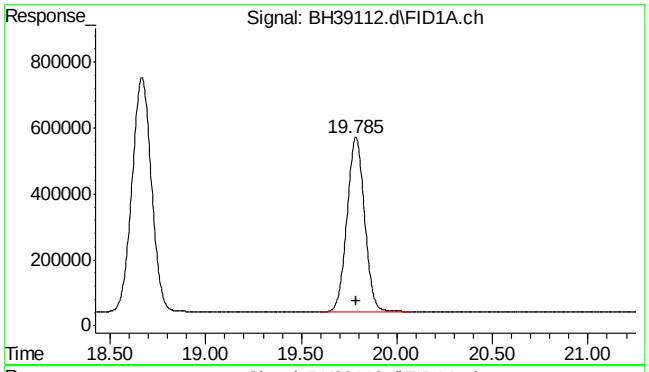
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 153240915
Conc: 148.38 ppb



#4 fluorobenzene

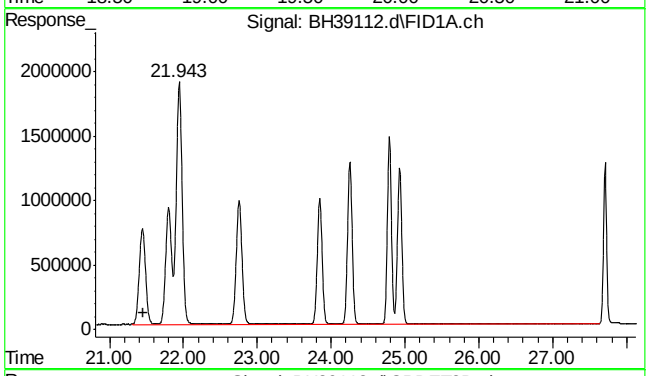
R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 41176673
Conc: 43.85 ppb m

SGS ACCUTEST MC45754



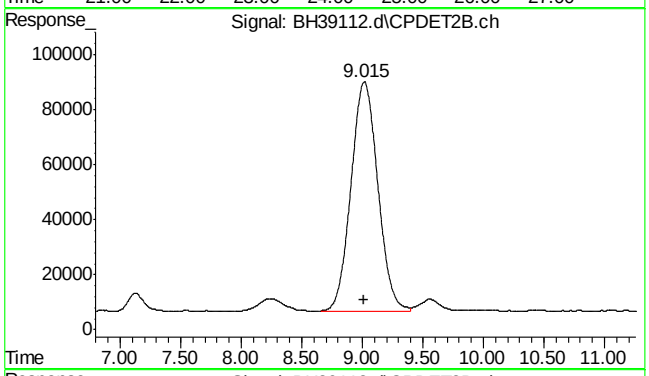
#6 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 34065910
Conc: 41.91 ppb m



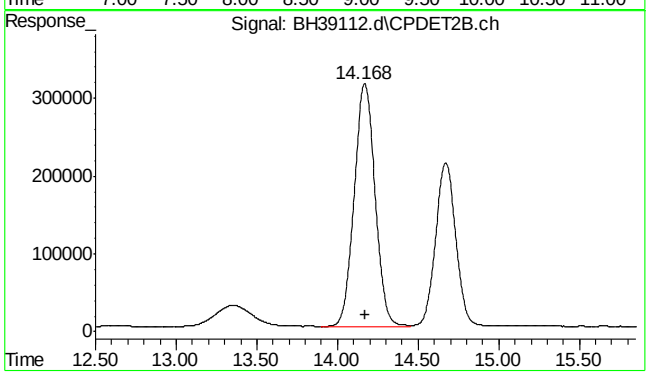
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 462042386
Conc: 384.15 ppb m



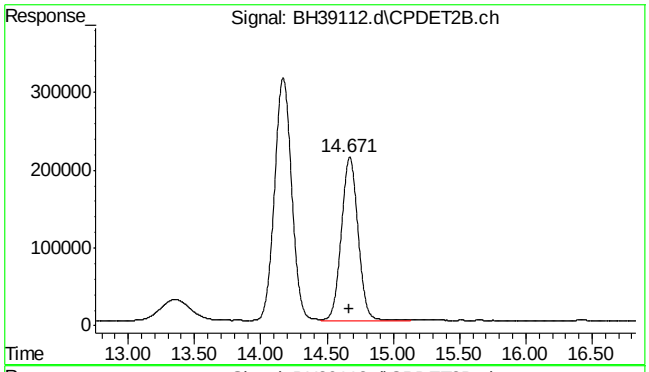
#14 mtbe #2

R.T.: 9.015 min
Delta R.T.: -0.001 min
Response: 12899797
Conc: 45.87 ppb m



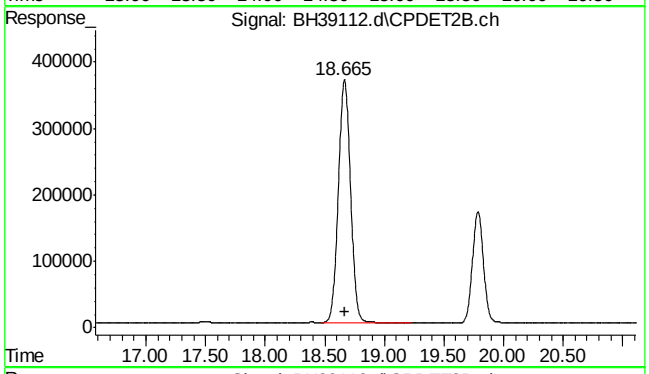
#15 benzene #2

R.T.: 14.168 min
Delta R.T.: -0.002 min
Response: 28008635
Conc: 42.59 ppb m



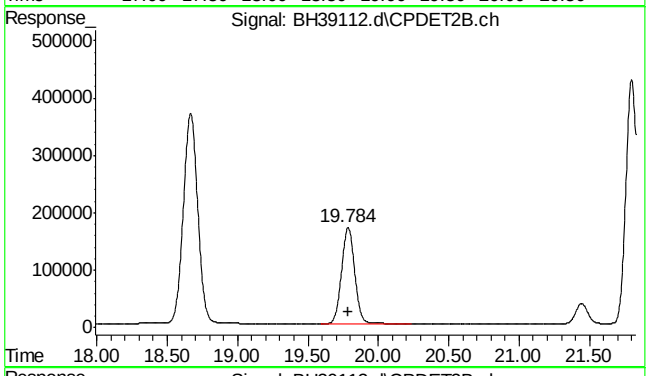
#16 fluorobenzene #2

R.T.: 14.671 min
Delta R.T.: 0.000 min
Response: 18407579
Conc: 45.29 ppb m



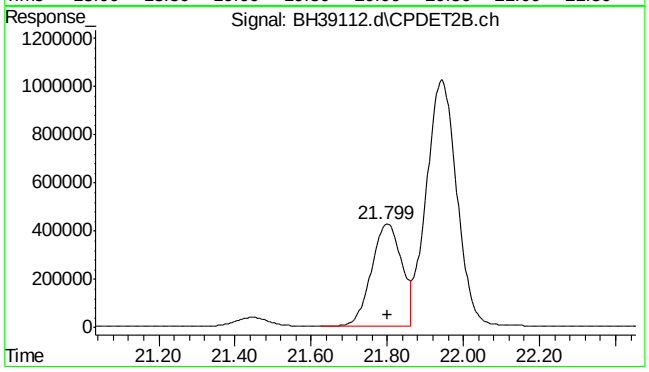
#17 toluene #2

R.T.: 18.665 min
Delta R.T.: -0.001 min
Response: 26340983
Conc: 42.71 ppb m



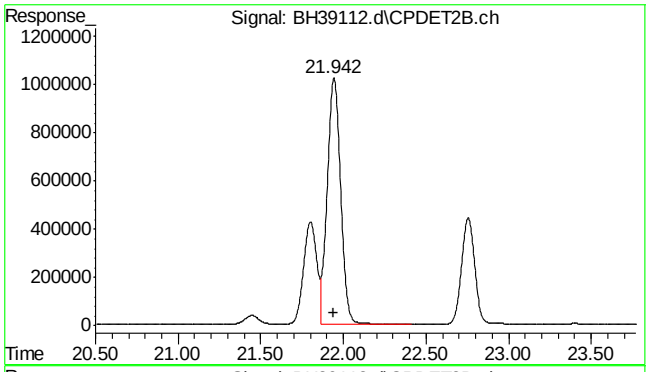
#18 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 10938698
Conc: 43.07 ppb m



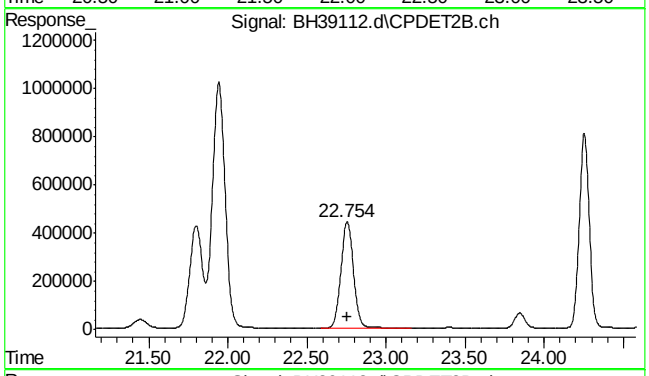
#19 ethylbenzene #2

R.T.: 21.800 min
Delta R.T.: 0.000 min
Response: 23301221
Conc: 42.59 ppb



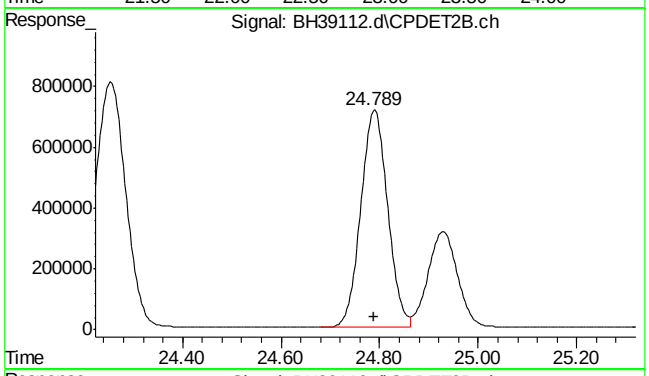
#20 m,p-xylene #2

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 57154973
Conc: 85.68 ppb m



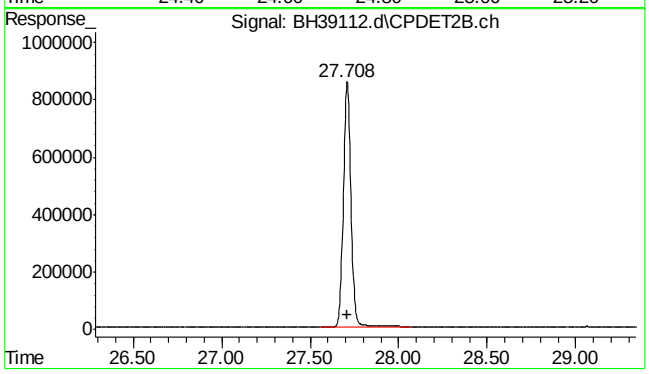
#21 o-xylene #2

R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 24286248
Conc: 41.72 ppb m



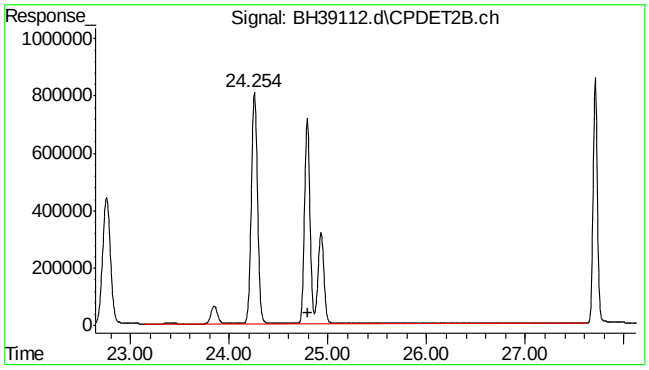
#23 1,2,4-trimethylbenzene #2

R.T.: 24.789 min
Delta R.T.: 0.000 min
Response: 27108454
Conc: 42.09 ppb m



#24 naphthalene #2

R.T.: 27.708 min
Delta R.T.: 0.000 min
Response: 25611422
Conc: 46.85 ppb m



#25 c9-c10 arom as 1,2,4-tmb

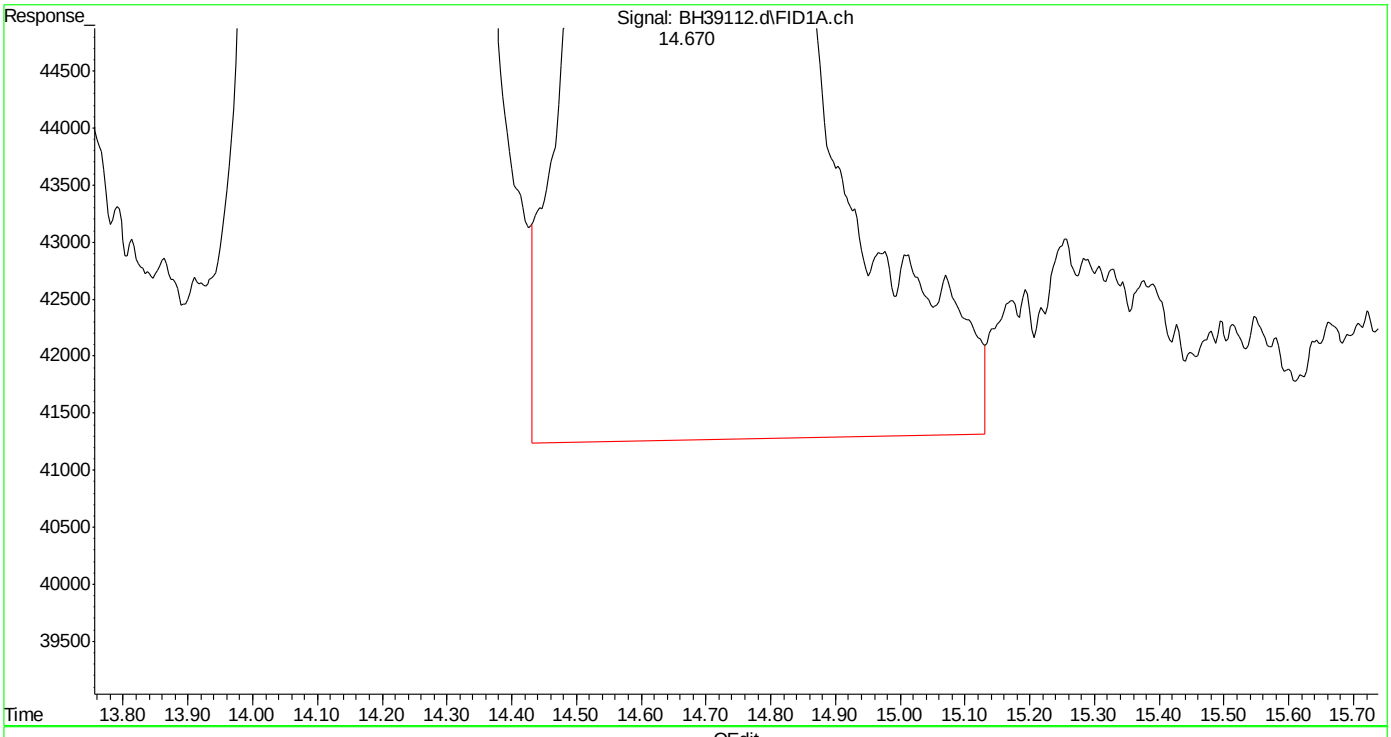
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 82626621
Conc: 128.30 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.672min 44.394 ppb
response 41684548

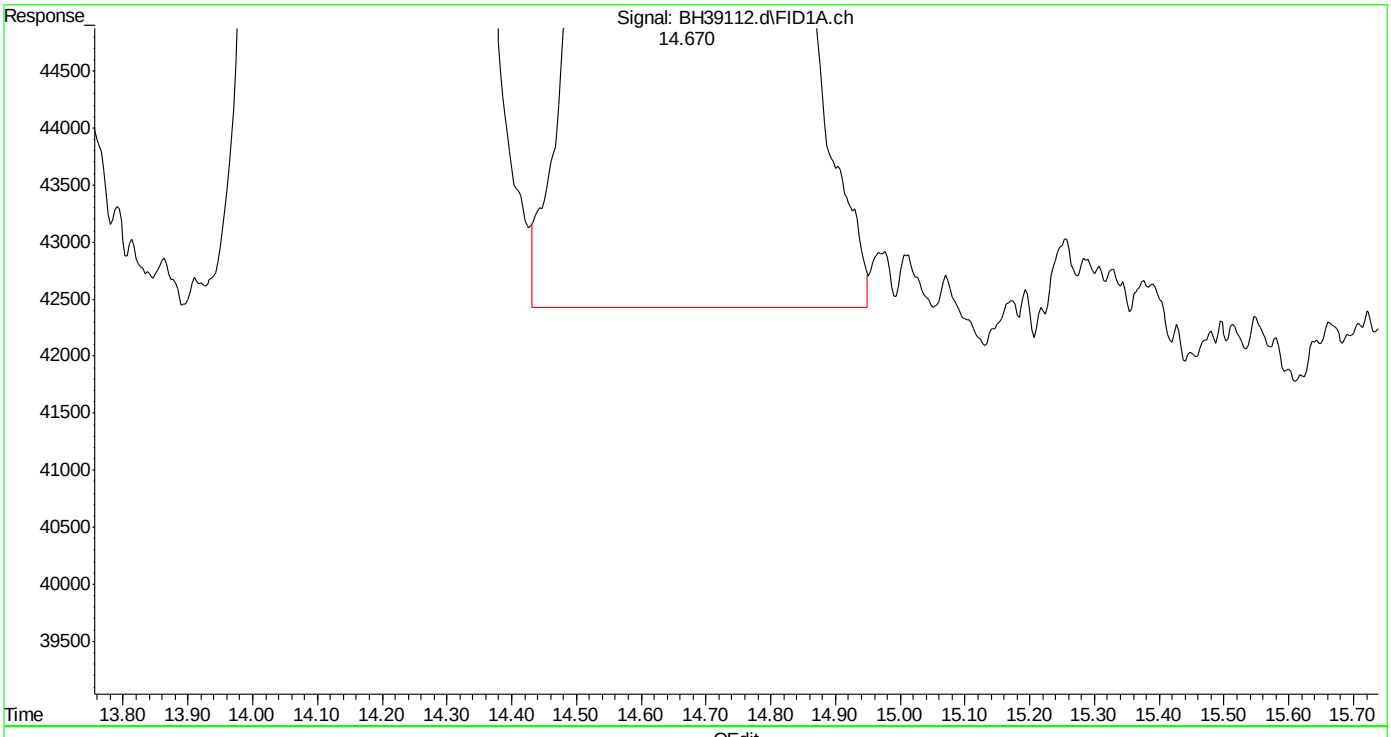
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 43.861 ppb m
response 41184420

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:07:38 2016 Page: 1

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(6) 2,3,4-trifluorotoluene (s)
19.786min 41.996 ppb
response 34137353

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:07:44 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(6) 2,3,4-trifluorotoluene (s)
19.785min 41.906 ppb m
response 34064802

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:07:49 2016

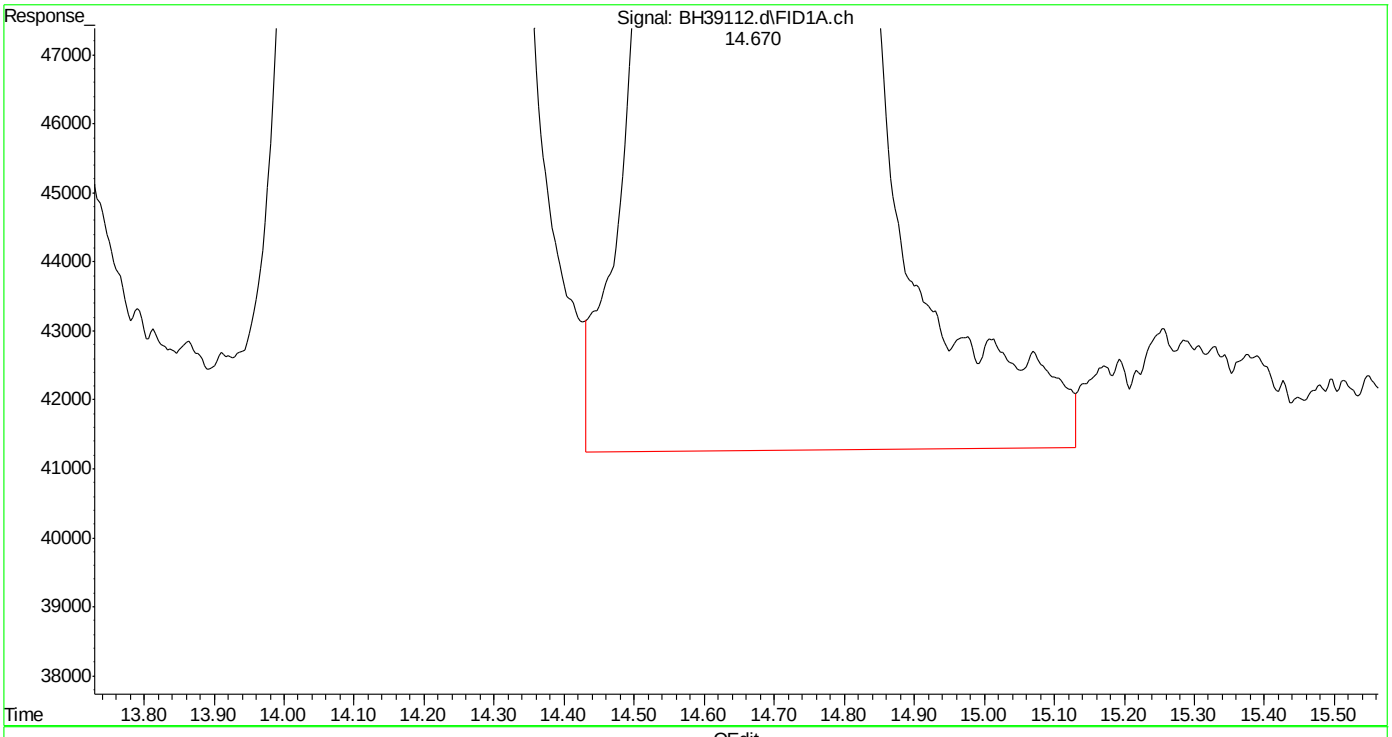
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.672min 44.394 ppb
response 41684548

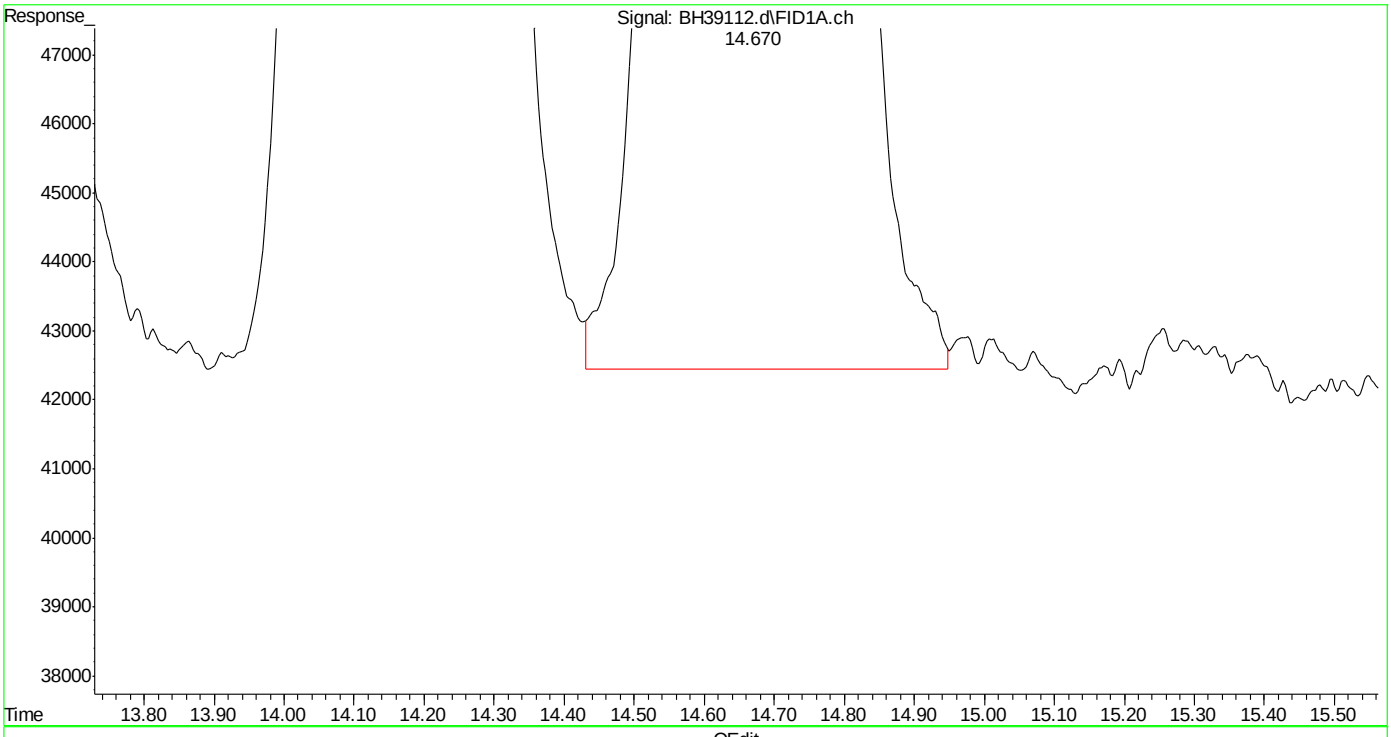
(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:08:13 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 43.853 ppb m
response 41176673

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:08:21 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(6) 2,3,4-trifluorotoluene (s)
19.786min 41.996 ppb
response 34137353

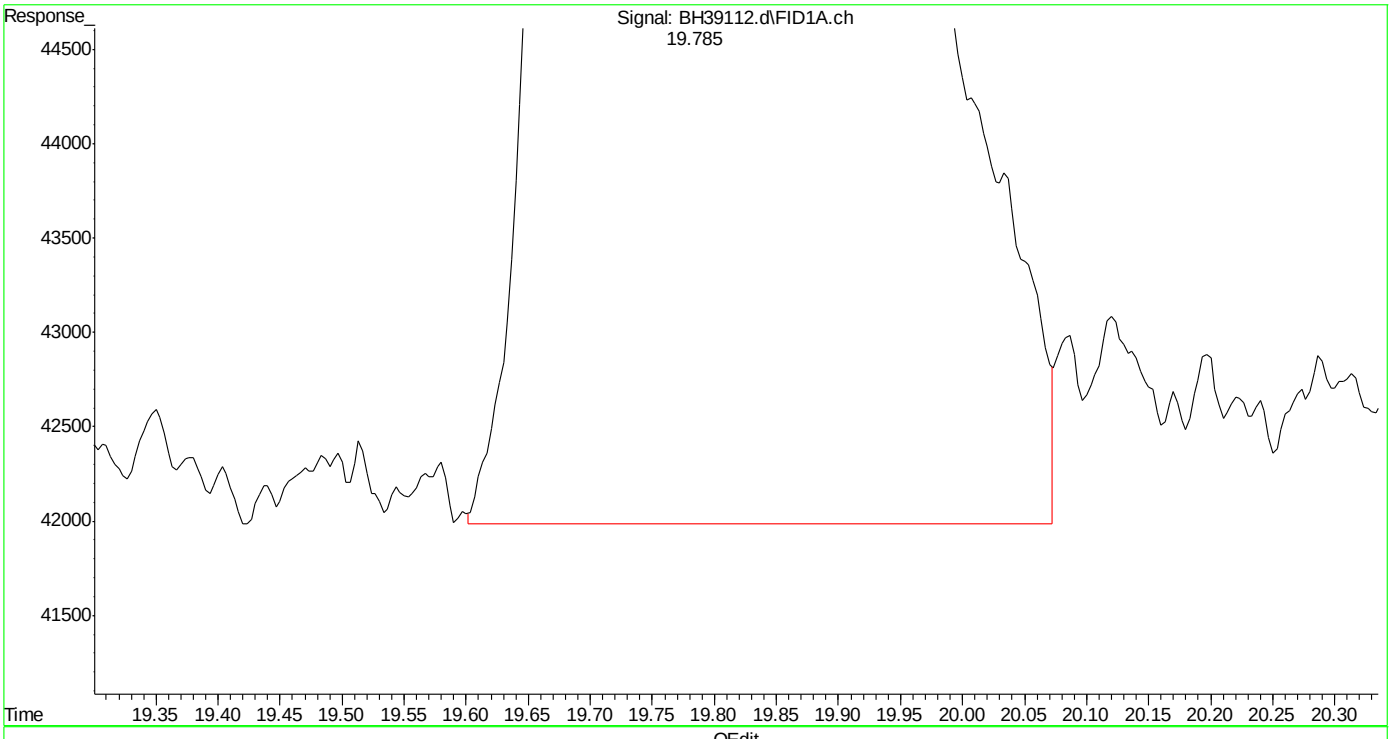
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 41.908 ppb m
response 34065910

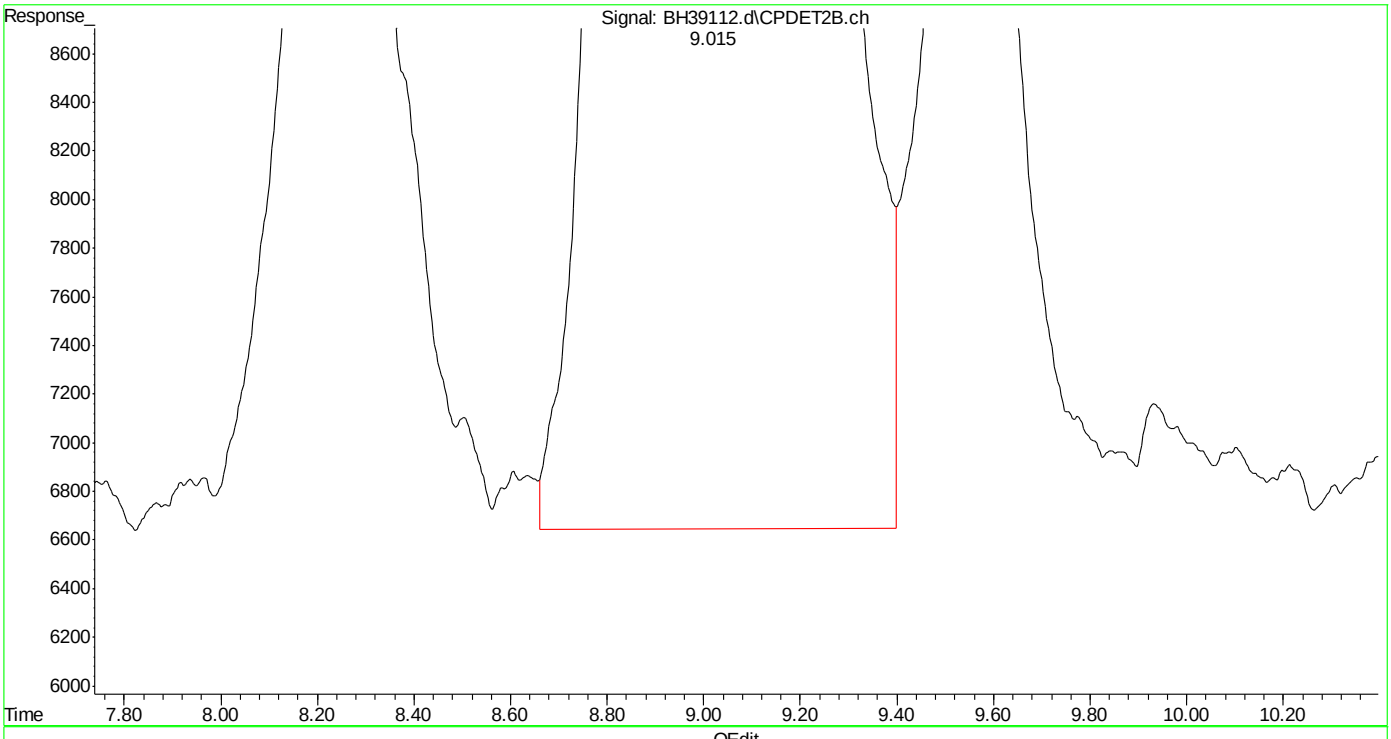
(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:08:31 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.017min 45.991 ppb
response 12932706

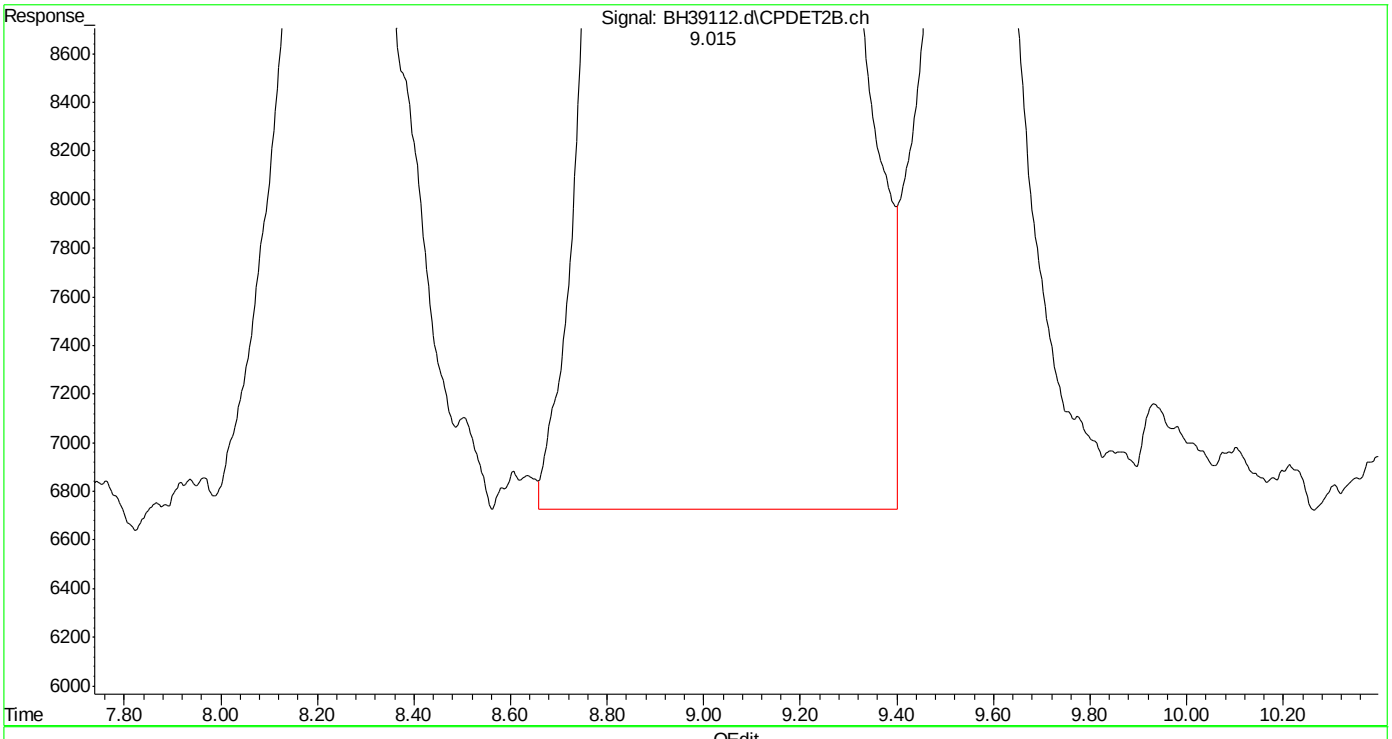
(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:08:50 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.015min 45.874 ppb m
response 12899797

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:08:57 2016

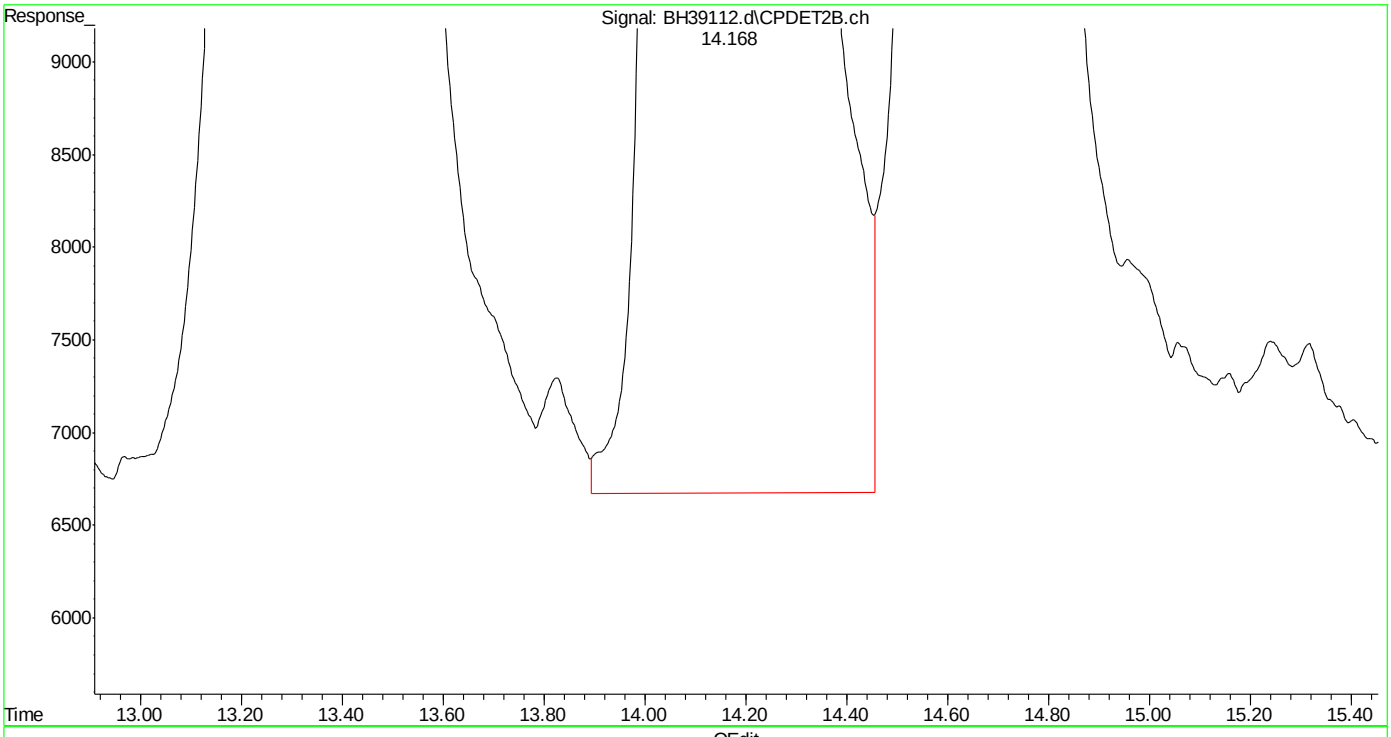
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.169min 42.675 ppb
response 28066274

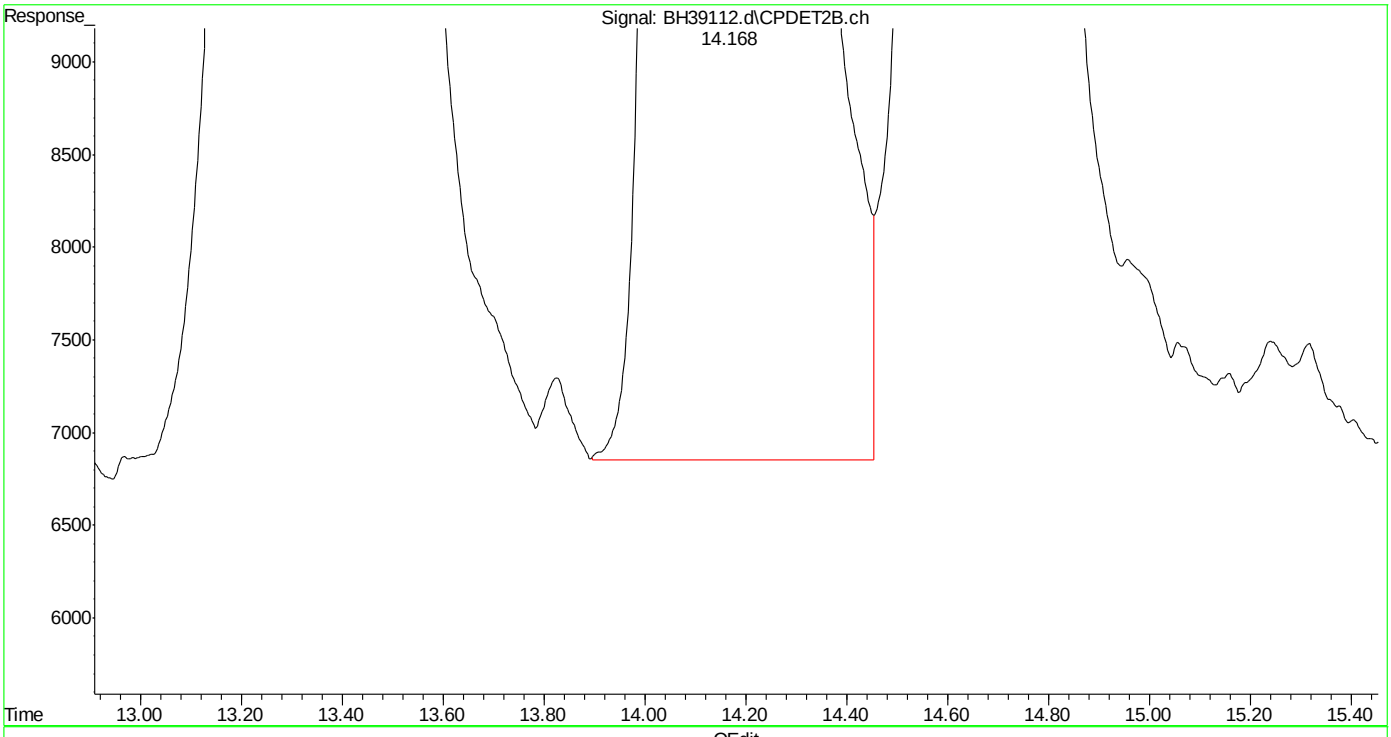
(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:09:02 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.168min 42.587 ppb m
response 28008635

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:09:07 2016

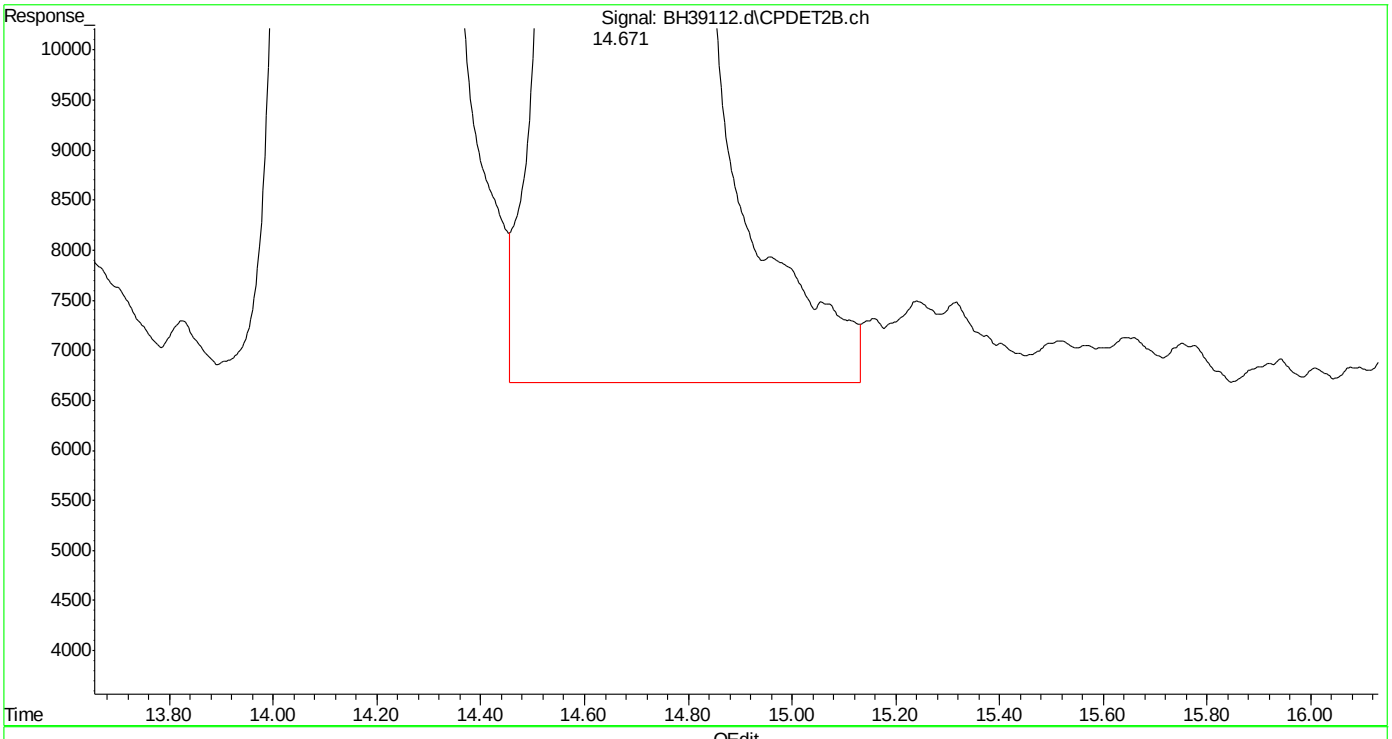
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.672min 45.454 ppb
response 18473119

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:09:11 2016

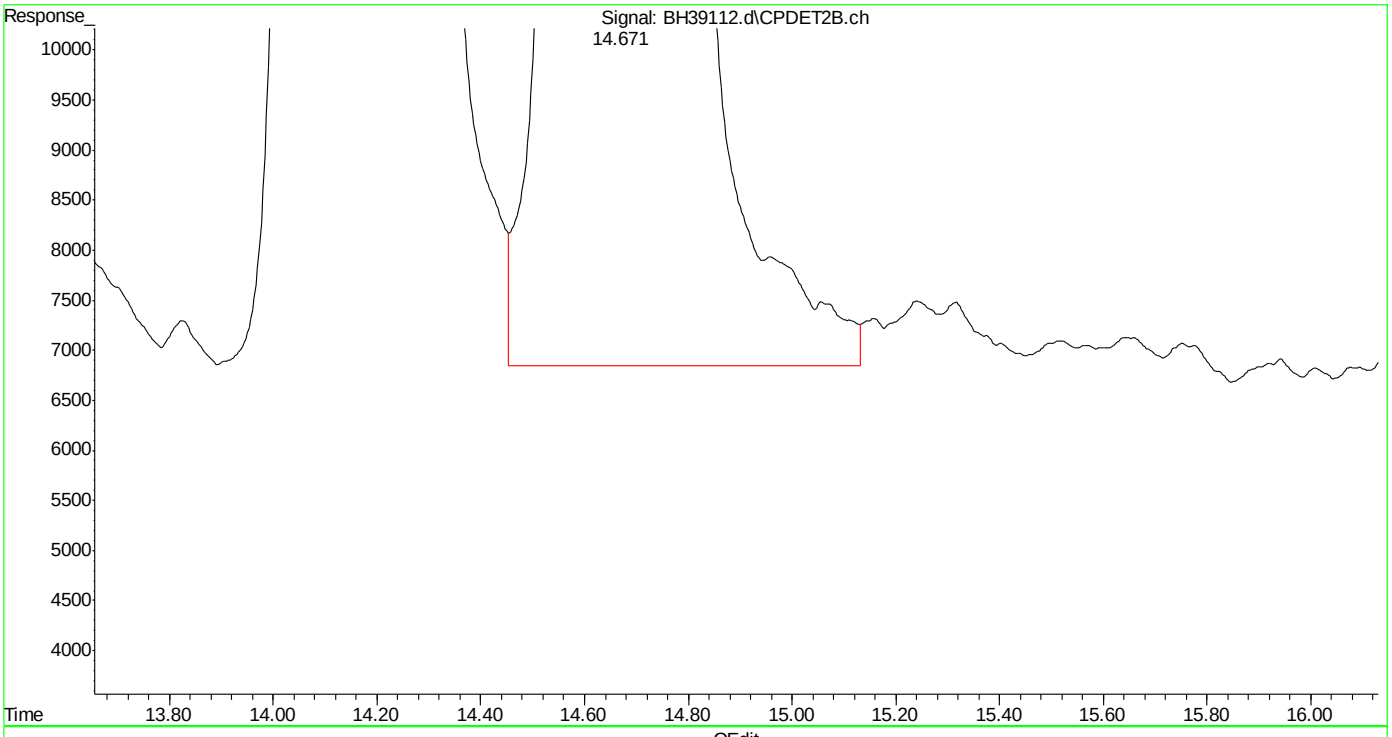
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 45.292 ppb m
response 18407579

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:09:23 2016

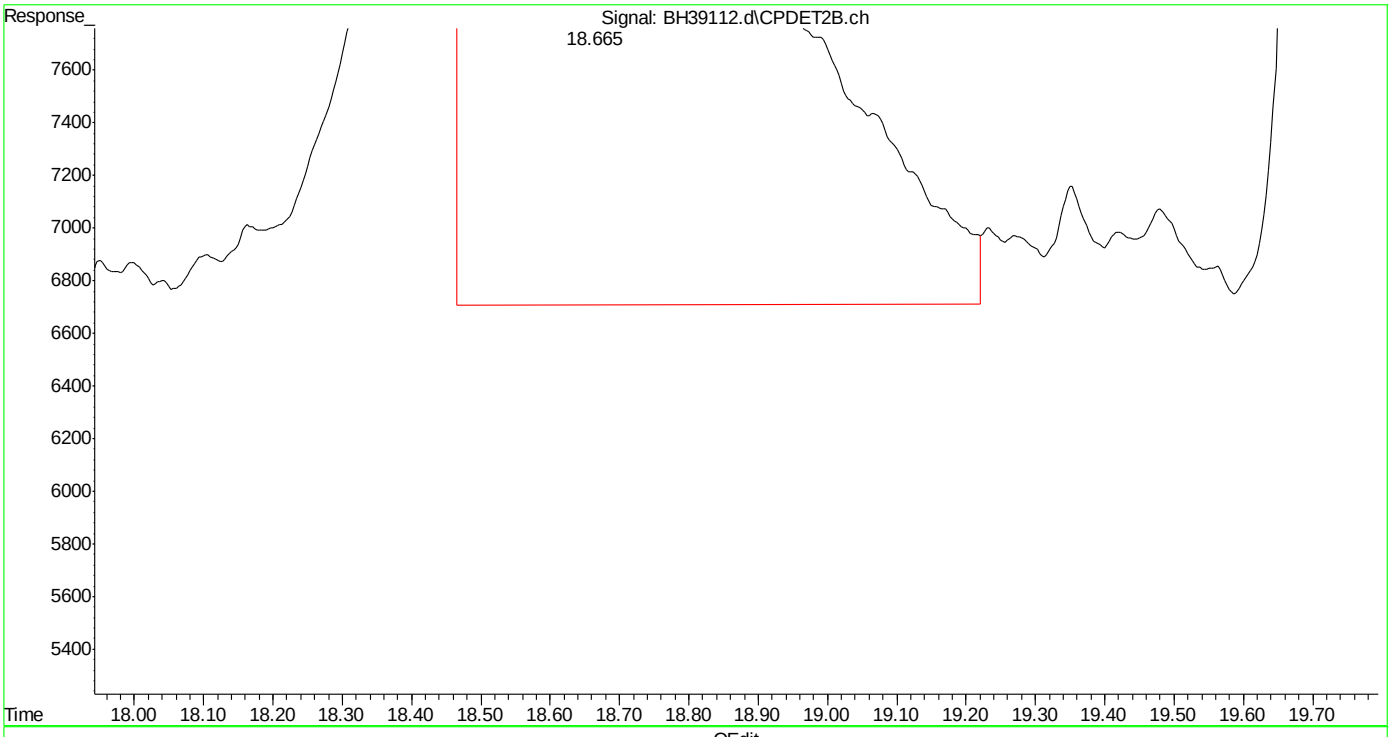
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 42.761 ppb
response 26370071

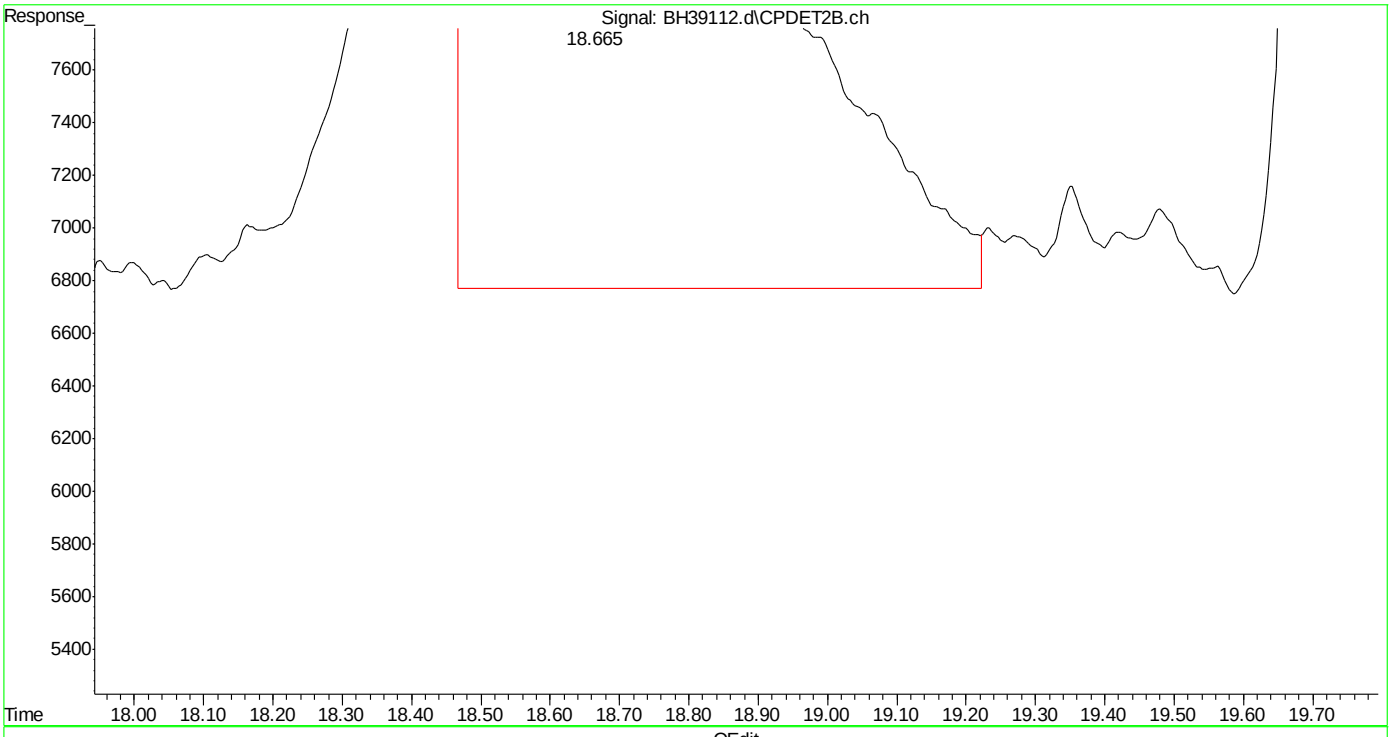
(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:09:29 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 42.714 ppb m
response 26340983

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 43.108 ppb
response 10948671

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:09:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(18) 2,3,4-trifluorotoluene #2 (s)
19.784min 43.069 ppb m
response 10938698

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:09:49 2016

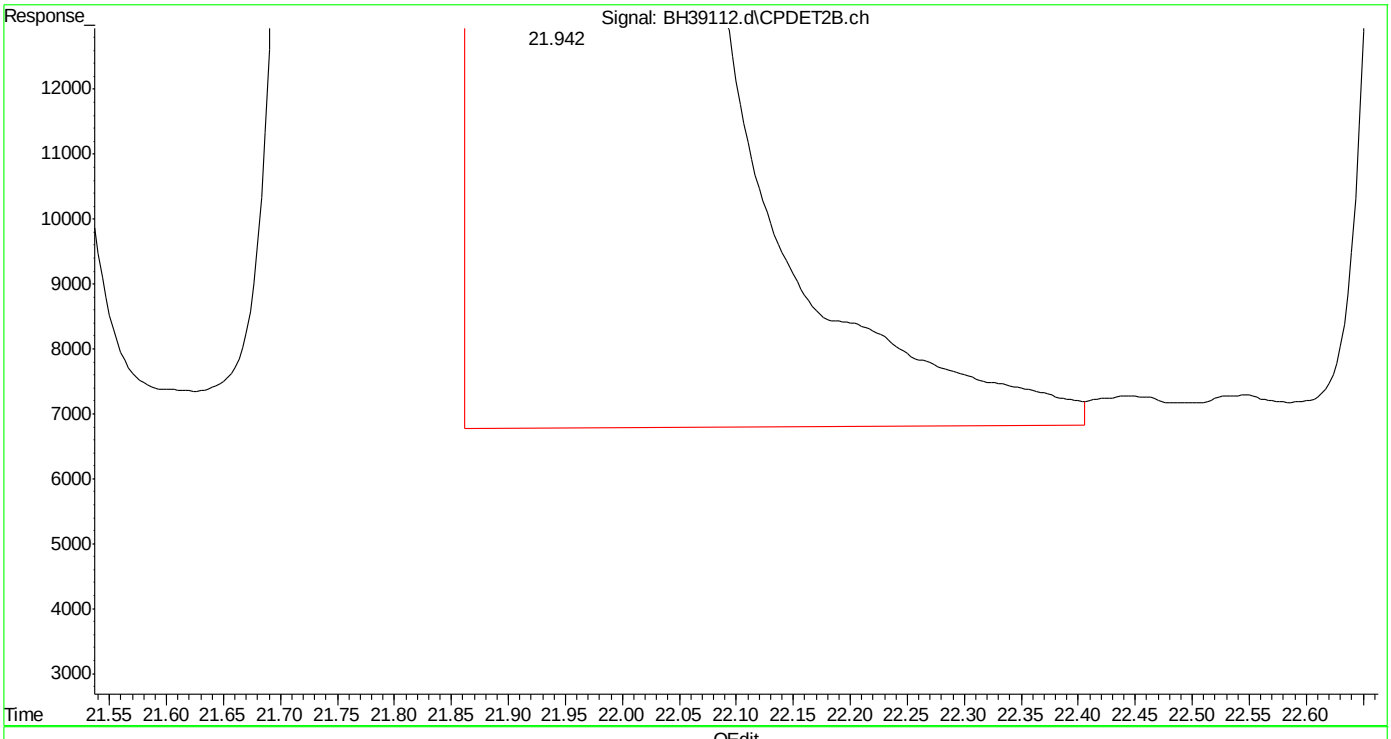
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.944min 86.041 ppb
response 57392618

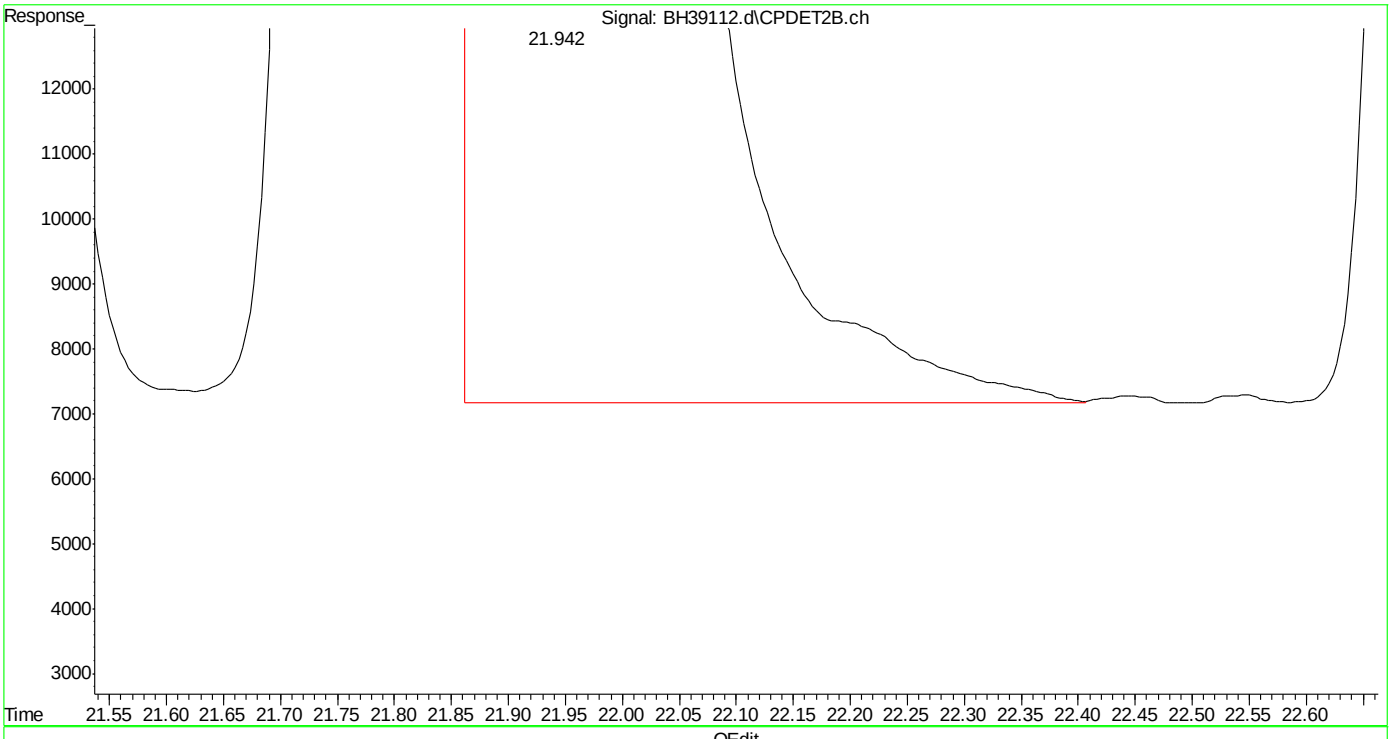
(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:09:57 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.942min 85.685 ppb m
response 57154973

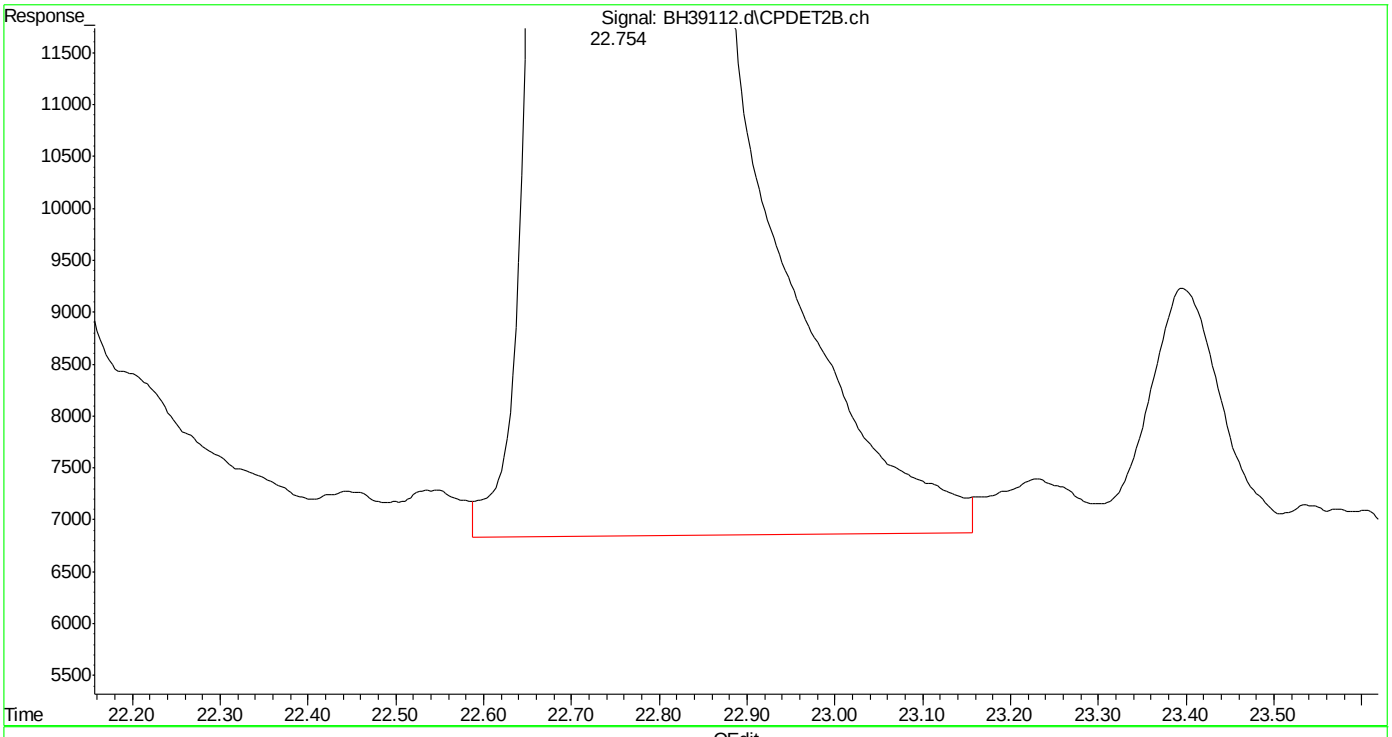
(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:10:02 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.755min 41.899 ppb
response 24391576

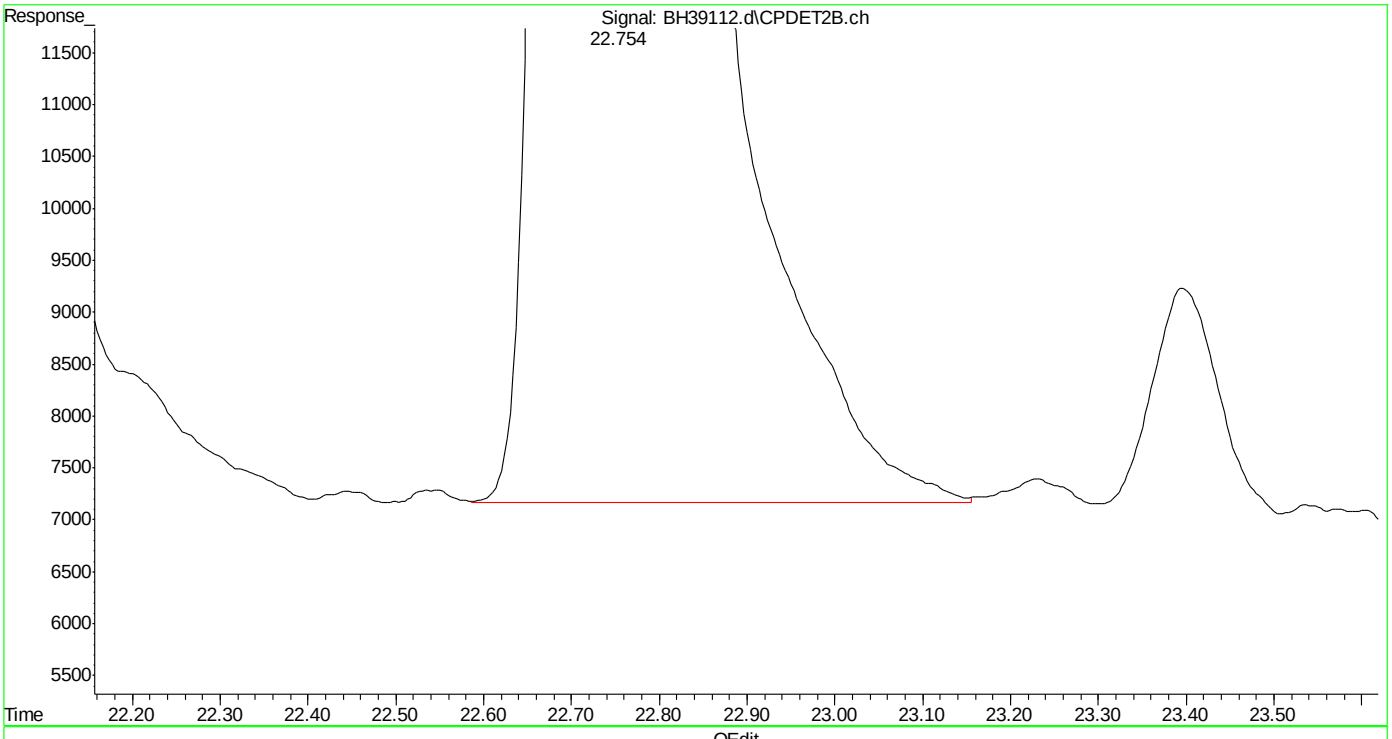
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 41.718 ppb m
response 24286248

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:10:16 2016

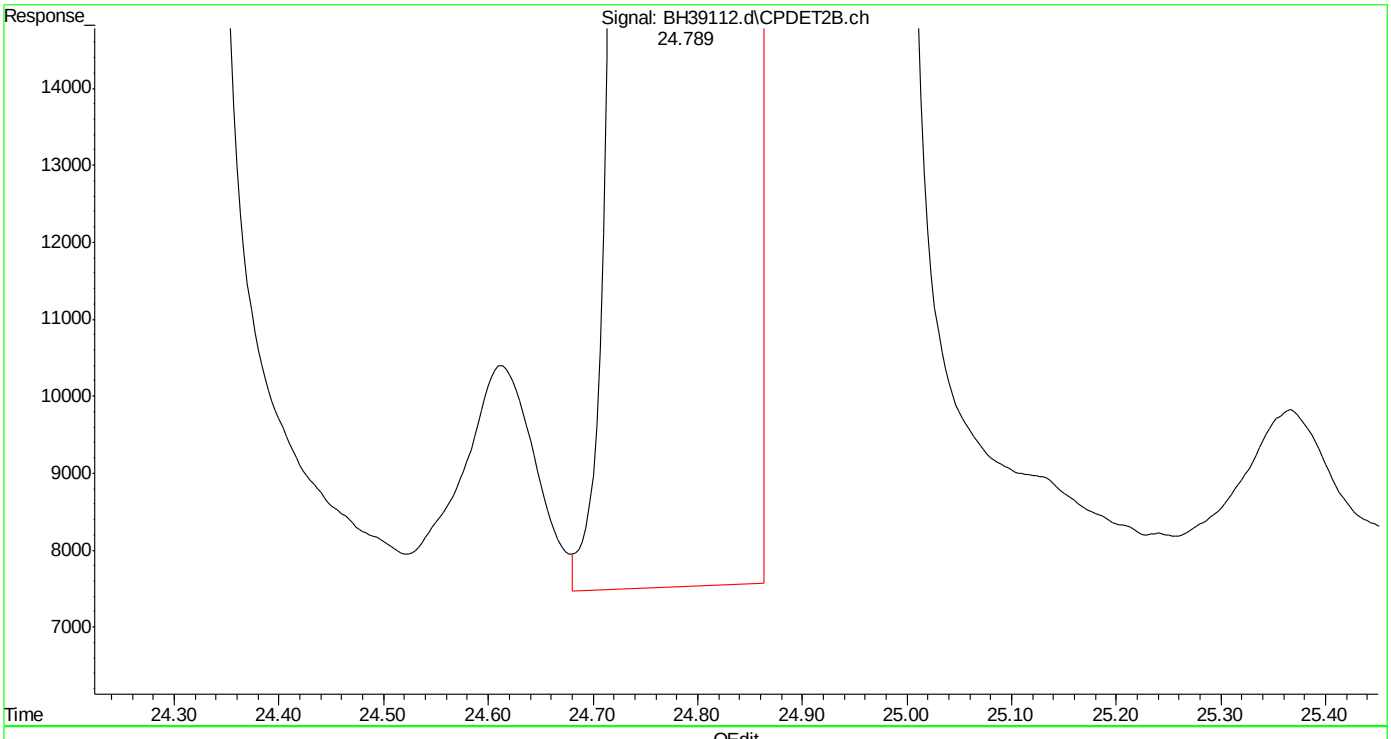
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)

24.790min 42.192 ppb

response 27176845

(+) = Expected Retention Time

bh160506vph.m Fri May 06 16:10:23 2016

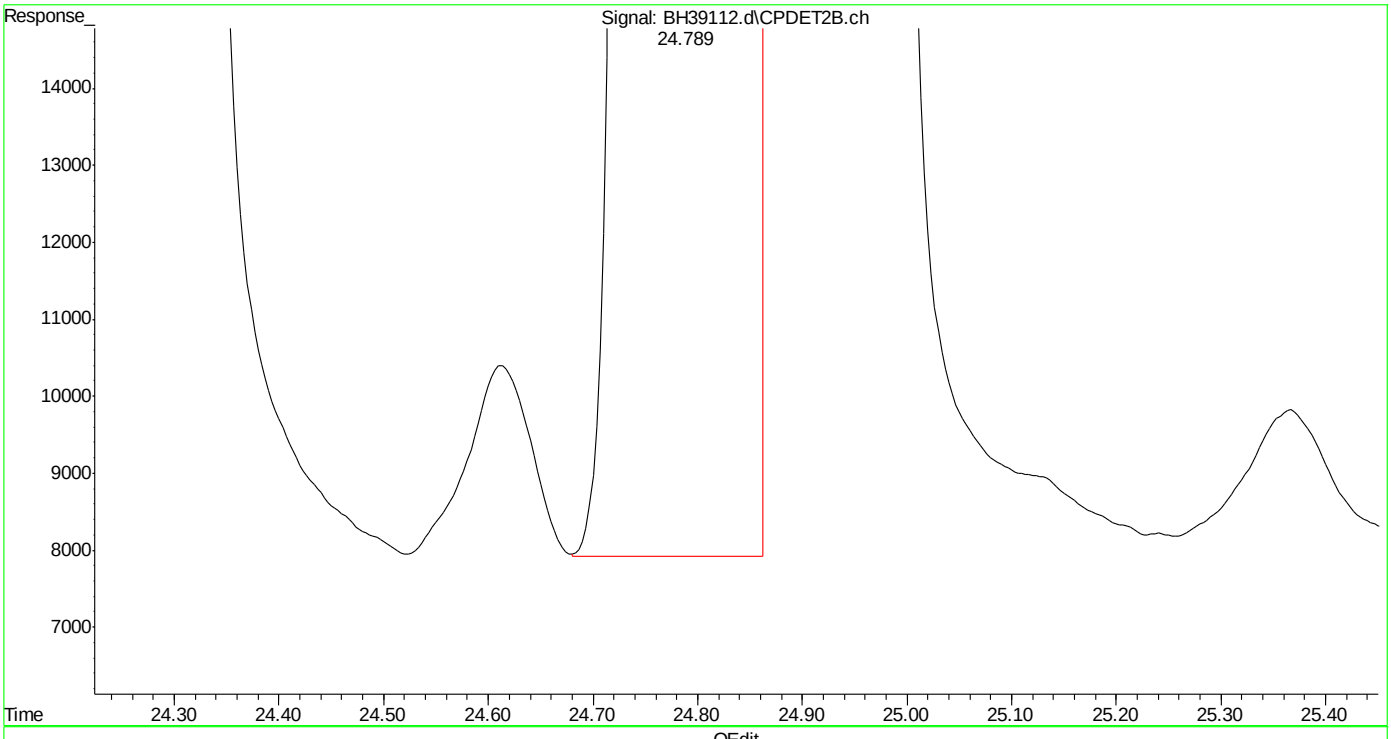
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.789min 42.086 ppb m
response 27108454

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:10:29 2016

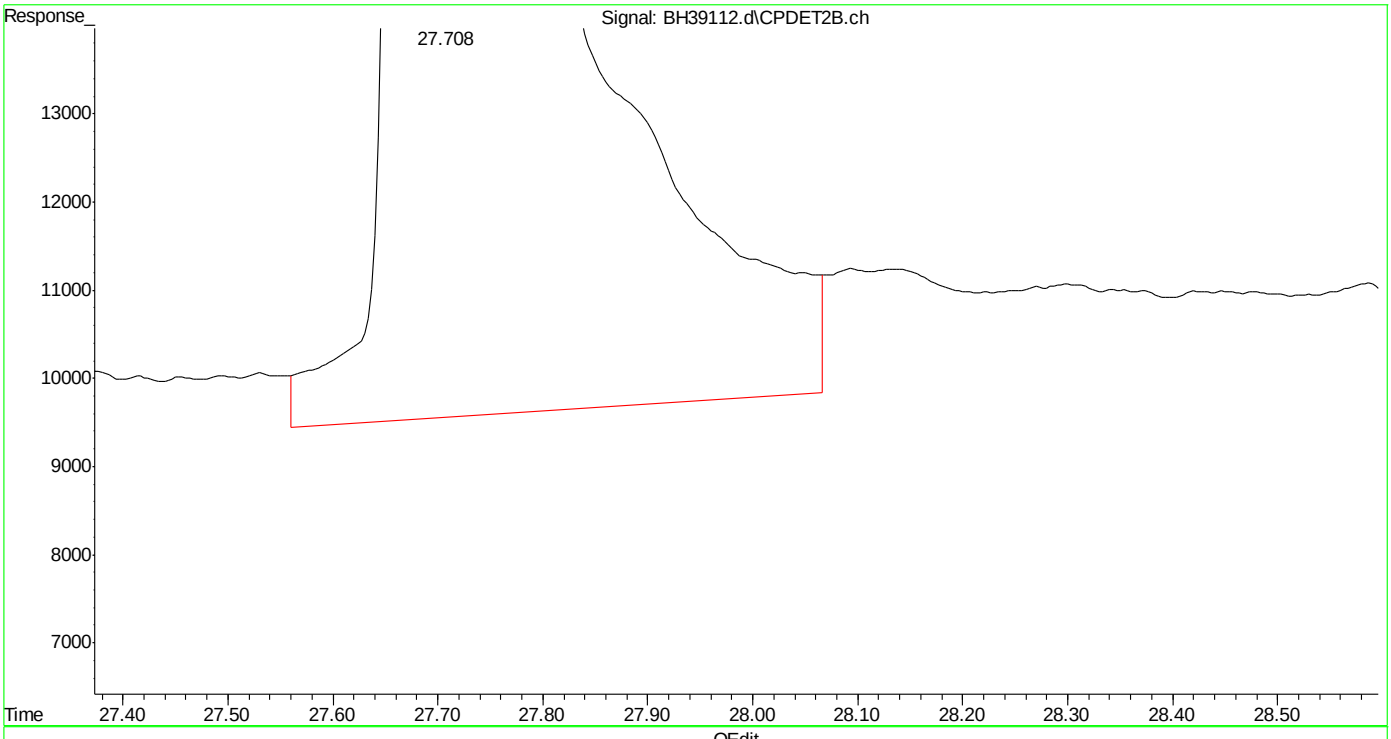
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.709min 47.205 ppb
response 25806850

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:10:33 2016

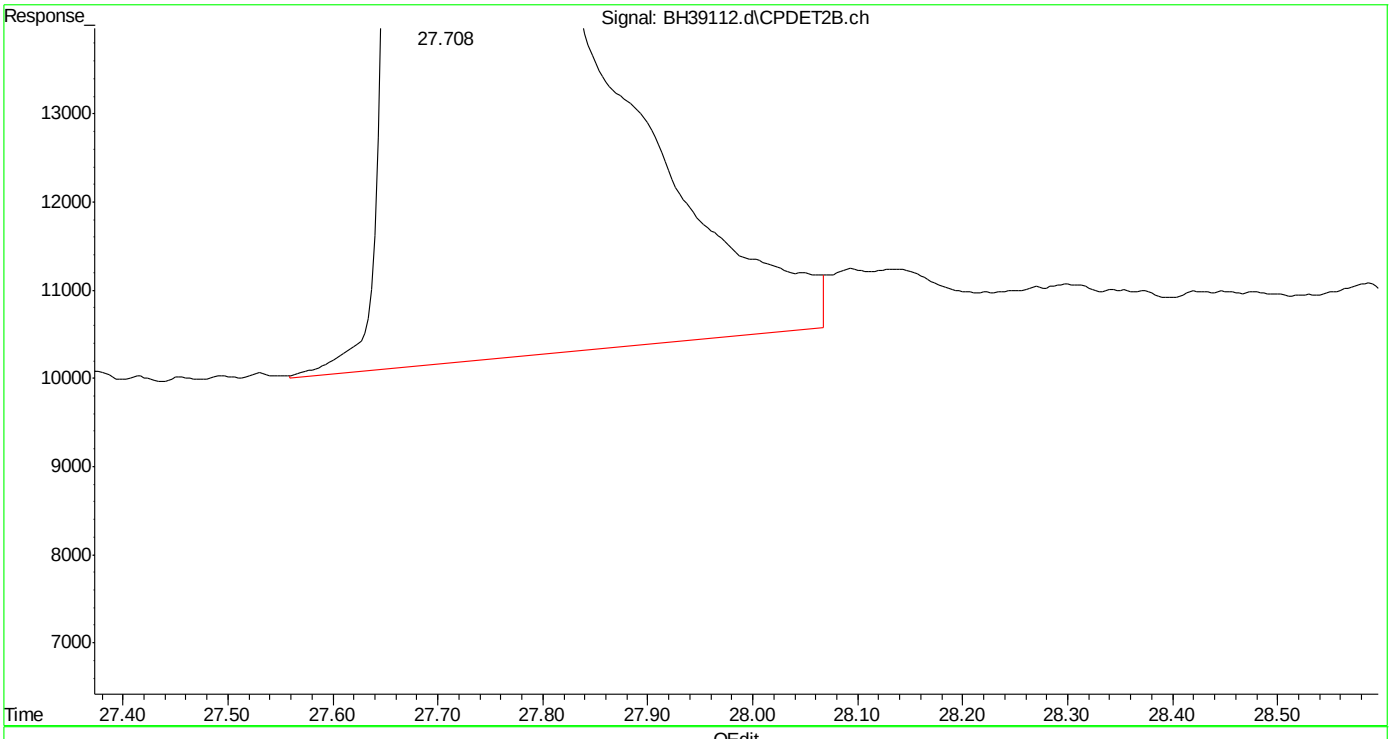
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39112.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 3:27 pm
Operator : danielf
Sample : mc45754-3msd,w,vmavph,00
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 16:06:59 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.708min 46.847 ppb m
response 25611422

(+) = Expected Retention Time
bh160506vph.m Fri May 06 16:10:41 2016

Page: 1

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:50:23 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
6) s fluorobenzene	14.673	946388309	1008.892 ppb	m
Spiked Amount 50.000		Recovery	= 2017.78%	
9) s 2,3,4-trifluorotoluene	19.787	821830159	1012.403 ppb	m
Spiked Amount 50.000		Recovery	= 2024.81%	
25) s fluorobenzene #2	14.673	399523542	980.960 ppb	m
Spiked Amount 50.000		Recovery	= 1961.92%	
27) s 2,3,4-trifluorotoluen...	19.786	251958217	991.056 ppb	m
Spiked Amount 50.000		Recovery	= 1982.11%	
Target Compounds				
1) h rt5.5-7	5.980	910851885	1004.568 ppb	m
2) h rt7/10	8.250	1007950322	991.350 ppb	m
3) t mtbe	9.017	574280098	922.404 ppb	m
4) h rt10/13	13.360	809408184	662.871 ppb	m
5) t benzene	14.171	1196851669	992.642 ppb	m
8) t toluene	18.668	1240007399	1022.109 ppb	m
11) h rt20/25	21.460	1187265879	1024.759 ppb	m
13) t ethylbenzene	21.804	1260571147	1050.086 ppb	m
14) t m,p-xylene	21.951	2633046480	2093.410 ppb	m
15) t o-xylene	22.757	1317885314	1027.820 ppb	m
16) h decane	23.856	1200820065	1017.134 ppb	m
17) t 1,3,5-trimethylbenzene	24.257	1330052596	987.895 ppb	m
18) t 1,2,4-trimethylbenzene	24.791	1308829133	961.519 ppb	m
19) h butylcyclohexane	24.940	1248984615	986.930 ppb	m
20) t naphthalene	27.710	705682468	851.628 ppb	
23) t mtbe #2	9.018	256768543	903.308 ppb	m
24) t benzene #2	14.170	627549549	948.756 ppb	m
26) t toluene #2	18.667	604674437	978.136 ppb	m
28) t ethylbenzene #2	21.803	552093381	1010.152 ppb	m
29) t m,p-xylene #2	21.950	1301974870	1946.022 ppb	m
30) t o-xylene #2	22.756	573715104	983.737 ppb	m
31) t 1,3,5-trimethylbenzen...	24.256	790634138	939.809 ppb	m
32) t 1,2,4-trimethylbenzen...	24.790	602514656	927.912 ppb	m
33) t naphthalene #2	27.708	452163550	809.581 ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	602910305	928.733 ppb	m

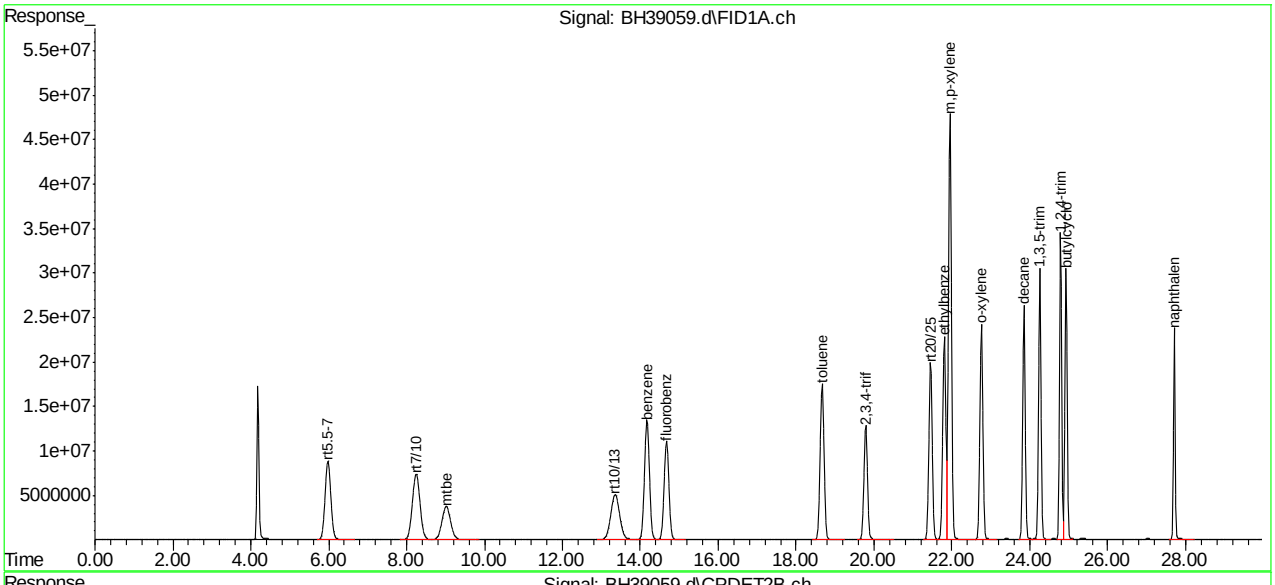
(f)=RT Delta > 1/2 Window (m)=manual int.

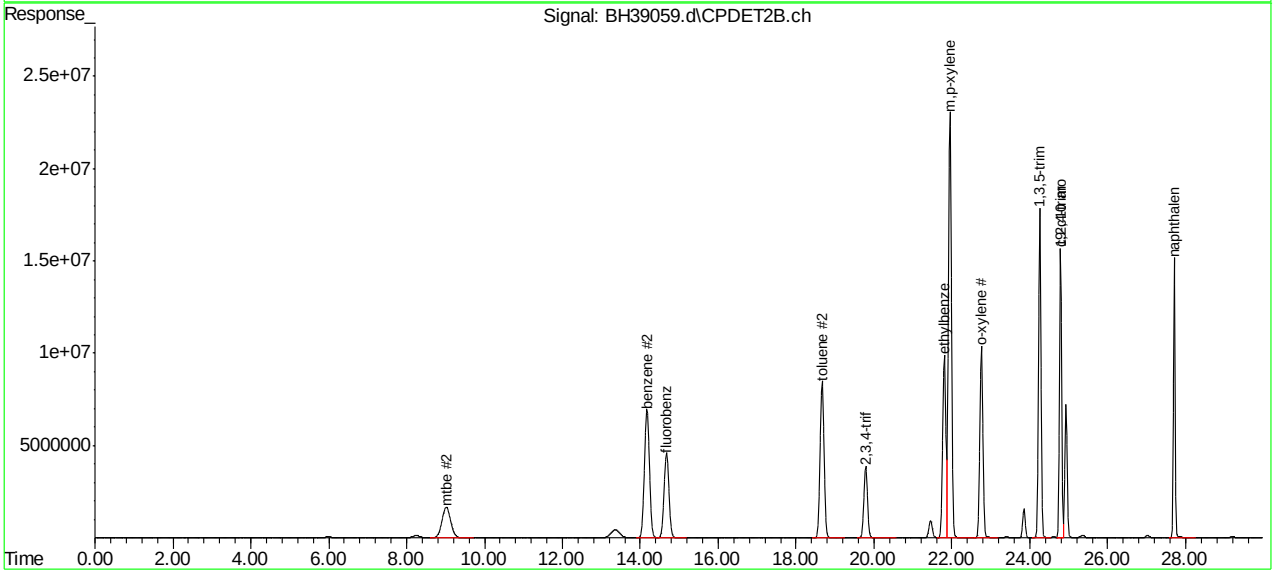
Quantitation Report (QT Reviewed)

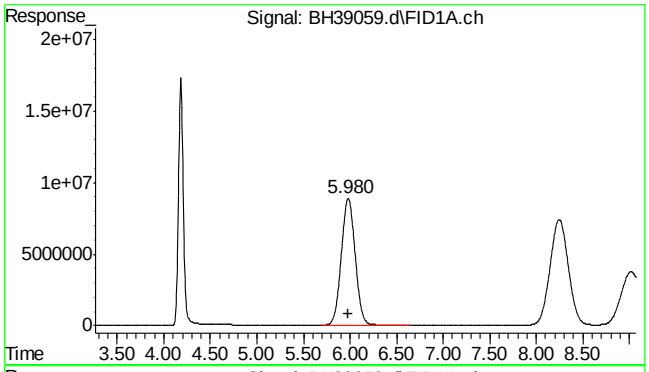
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:50:23 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

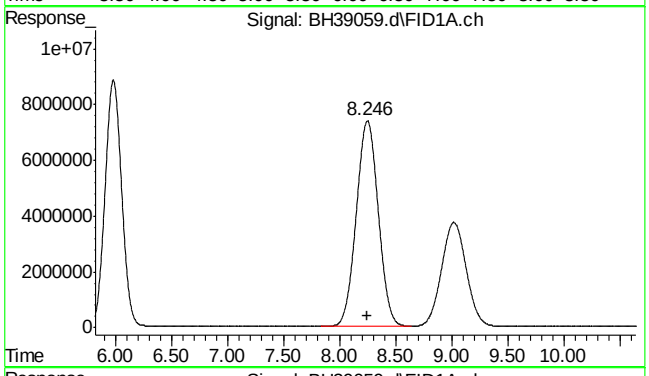






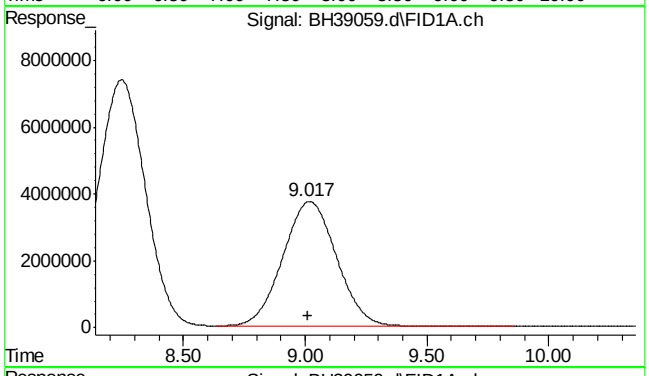
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 910851885
Conc: 1004.57 ppb m



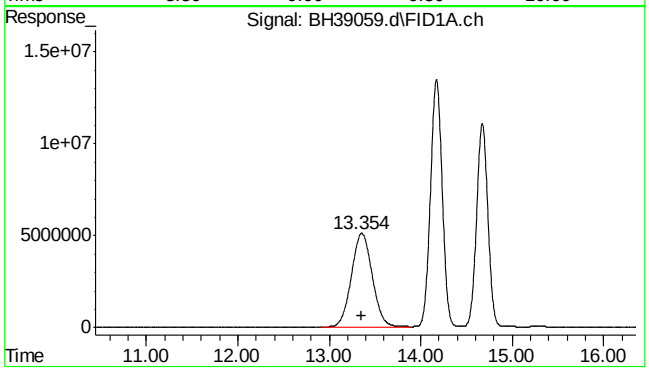
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 1007950322
Conc: 991.35 ppb m



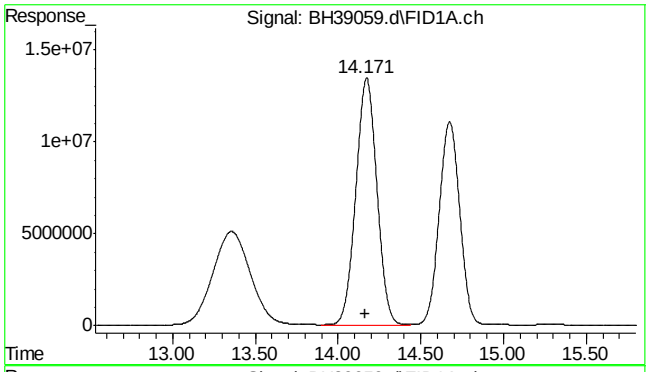
#3 mtbe

R.T.: 9.017 min
Delta R.T.: 0.004 min
Response: 574280098
Conc: 922.40 ppb m



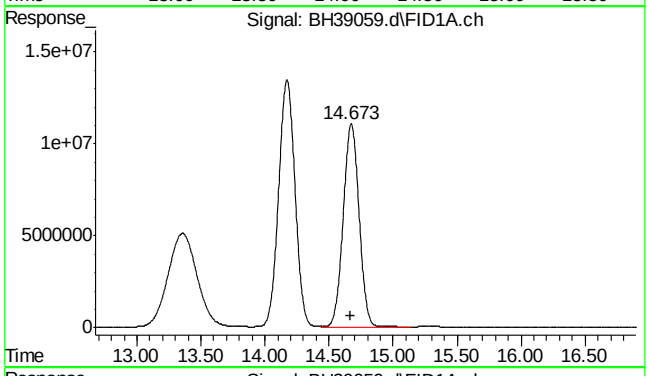
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 809408184
Conc: 662.87 ppb m



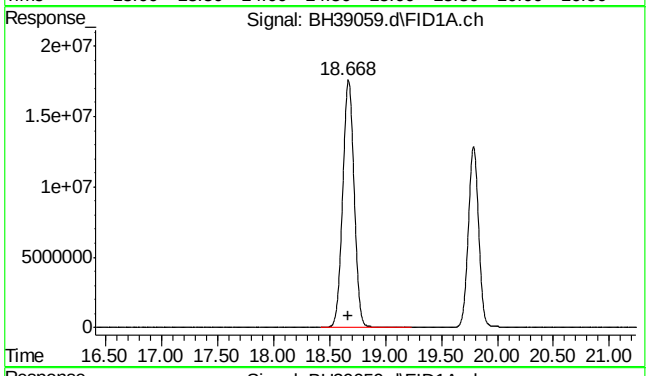
#5 benzene

R.T.: 14.171 min
Delta R.T.: 0.005 min
Response: 1196851669
Conc: 992.64 ppb m



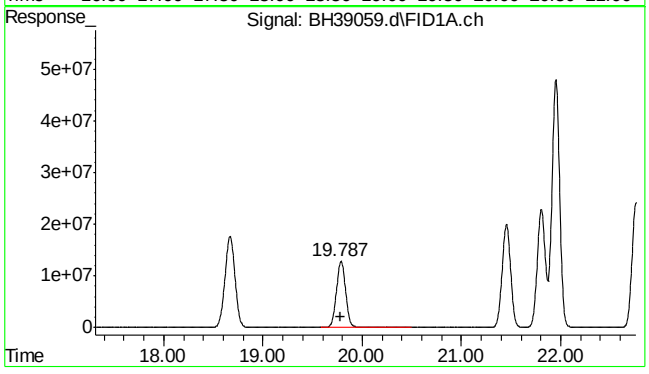
#6 fluorobenzene

R.T.: 14.673 min
Delta R.T.: 0.004 min
Response: 946388309
Conc: 1008.89 ppb m



#8 toluene

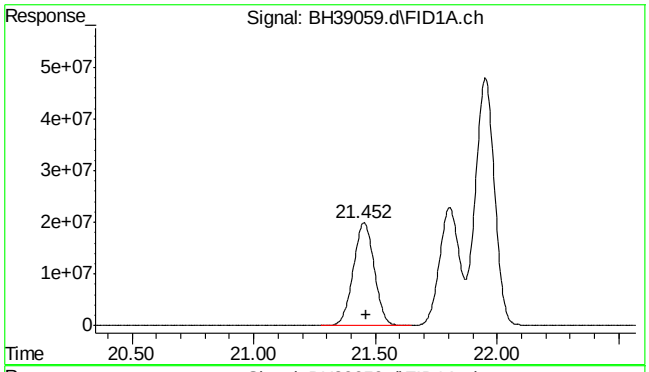
R.T.: 18.668 min
Delta R.T.: 0.004 min
Response: 1240007399
Conc: 1022.11 ppb m



#9 2,3,4-trifluorotoluene

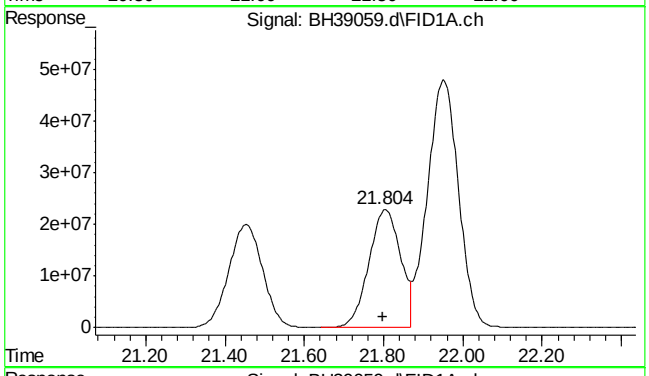
R.T.: 19.787 min
Delta R.T.: 0.003 min
Response: 821830159
Conc: 1012.40 ppb m

SGS ACCUTEST MC45754



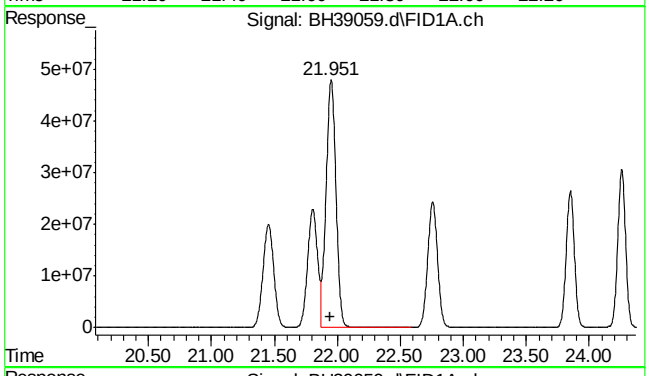
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 1187265879
Conc: 1024.76 ppb m



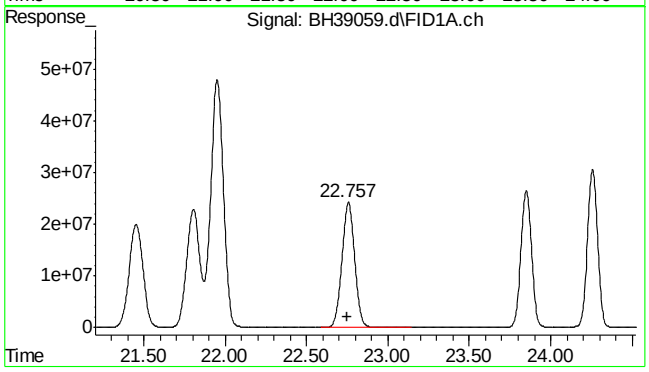
#13 ethylbenzene

R.T.: 21.804 min
Delta R.T.: 0.006 min
Response: 1260571147
Conc: 1050.09 ppb m



#14 m,p-xylene

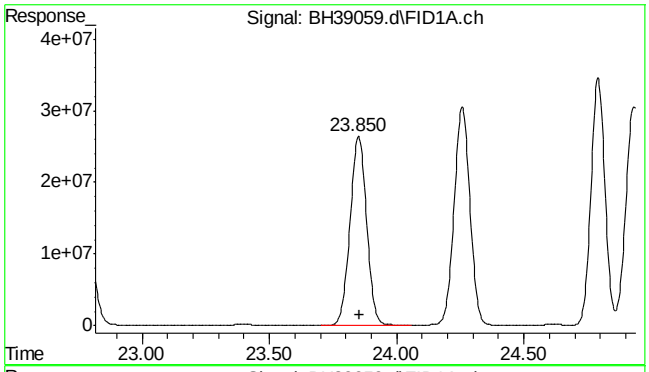
R.T.: 21.951 min
Delta R.T.: 0.009 min
Response: 2633046480
Conc: 2093.41 ppb m



#15 o-xylene

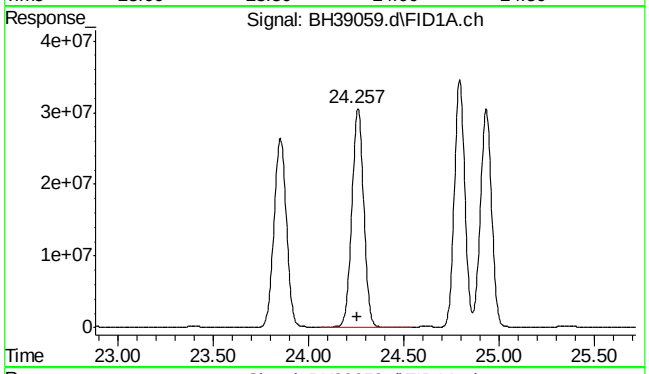
R.T.: 22.757 min
Delta R.T.: 0.004 min
Response: 1317885314
Conc: 1027.82 ppb m

SGS ACCUTEST MC45754



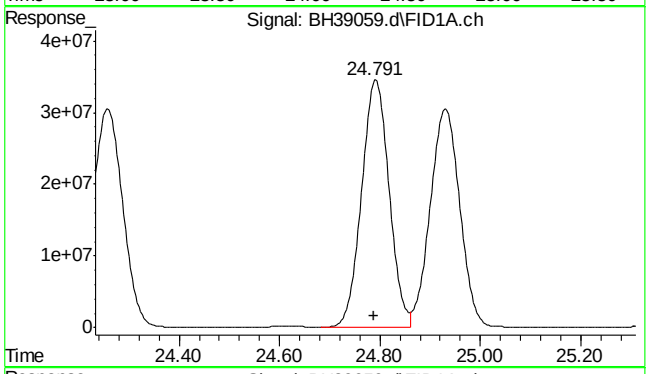
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 1200820065
Conc: 1017.13 ppb m



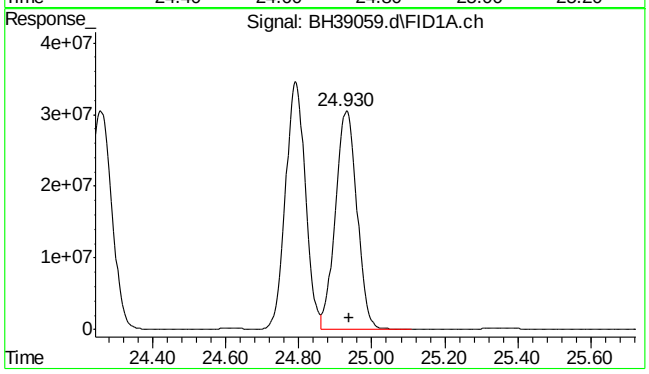
#17 1,3,5-trimethylbenzene

R.T.: 24.257 min
Delta R.T.: 0.005 min
Response: 1330052596
Conc: 987.89 ppb m



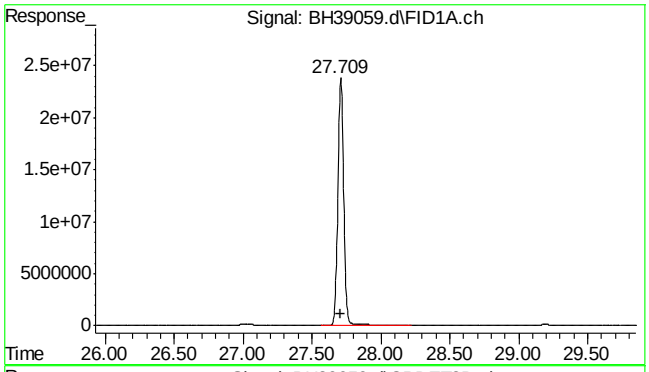
#18 1,2,4-trimethylbenzene

R.T.: 24.791 min
Delta R.T.: 0.003 min
Response: 1308829133
Conc: 961.52 ppb m



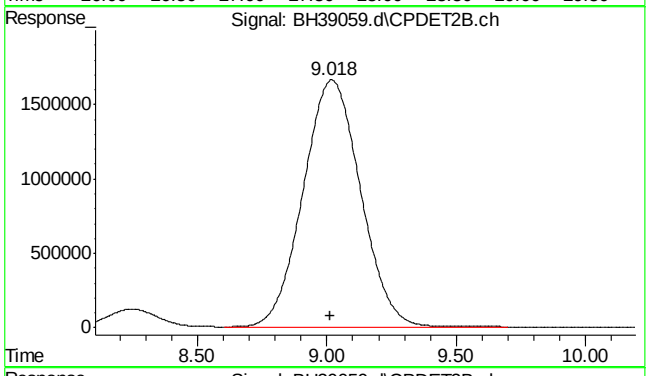
#19 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 1248984615
Conc: 986.93 ppb m



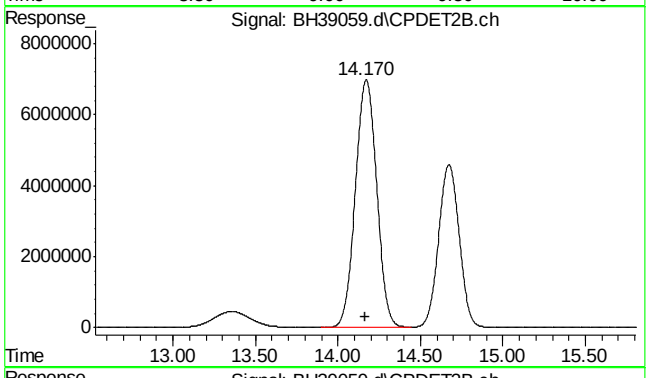
#20 naphthalene

R.T.: 27.710 min
Delta R.T.: 0.003 min
Response: 705682468
Conc: 851.63 ppb



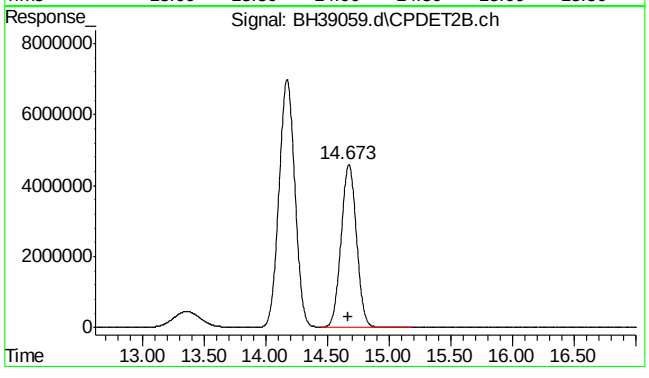
#23 mtbe #2

R.T.: 9.018 min
Delta R.T.: 0.005 min
Response: 256768543
Conc: 903.31 ppb m



#24 benzene #2

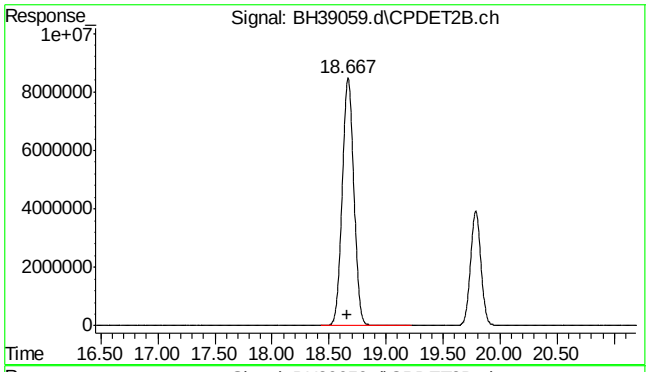
R.T.: 14.170 min
Delta R.T.: 0.004 min
Response: 627549549
Conc: 948.76 ppb m



#25 fluorobenzene #2

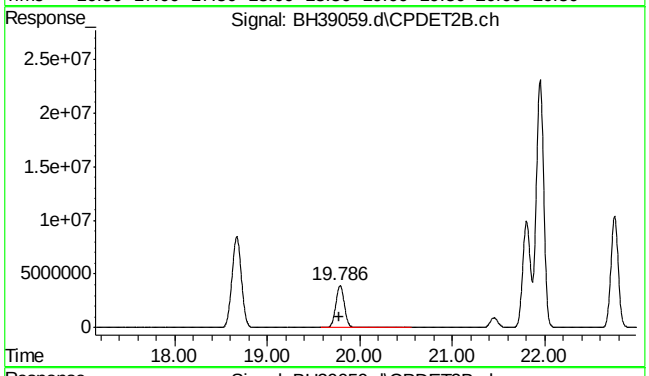
R.T.: 14.673 min
Delta R.T.: 0.005 min
Response: 399523542
Conc: 980.96 ppb m

SGS ACCUTEST MC45754



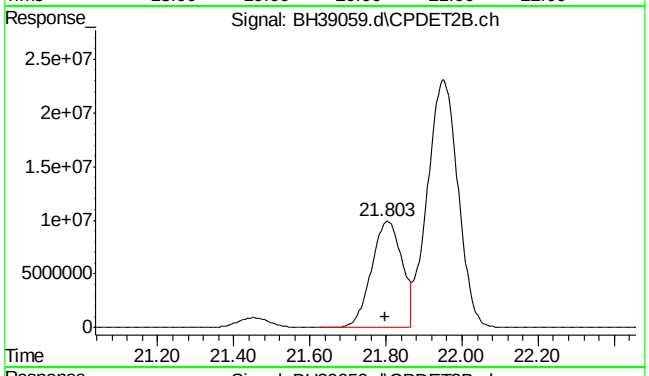
#26 toluene #2

R.T.: 18.667 min
Delta R.T.: 0.003 min
Response: 604674437
Conc: 978.14 ppb m



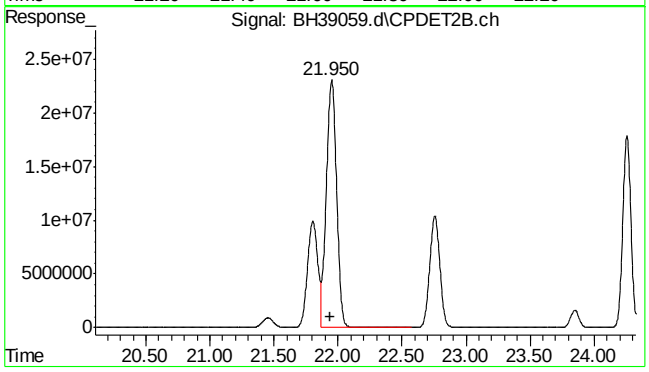
#27 2,3,4-trifluorotoluene #2

R.T.: 19.786 min
Delta R.T.: 0.002 min
Response: 251958217
Conc: 991.06 ppb m



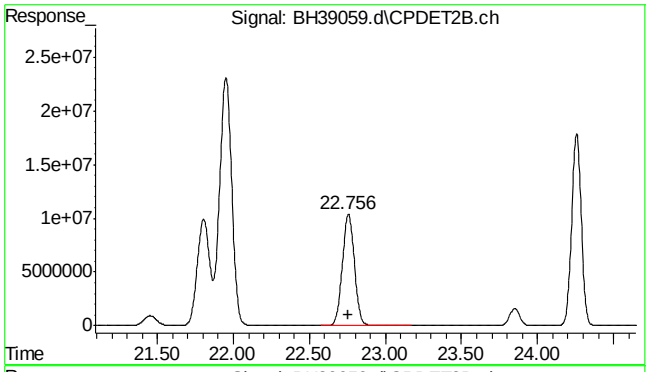
#28 ethylbenzene #2

R.T.: 21.803 min
Delta R.T.: 0.006 min
Response: 552093381
Conc: 1010.15 ppb m



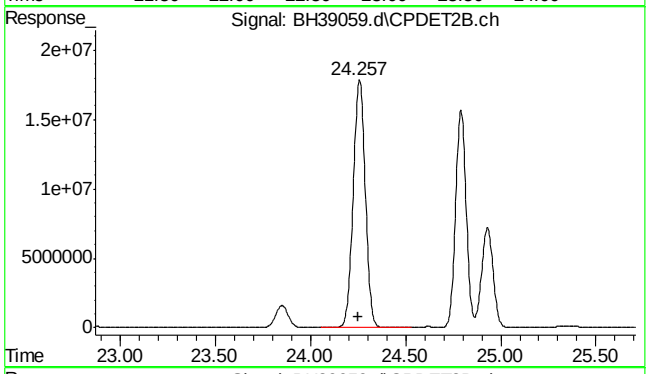
#29 m,p-xylene #2

R.T.: 21.950 min
Delta R.T.: 0.009 min
Response: 1301974870
Conc: 1946.02 ppb m



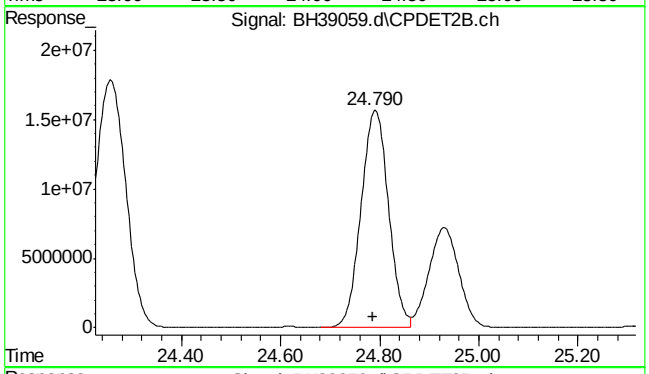
#30 o-xylene #2

R.T.: 22.756 min
Delta R.T.: 0.003 min
Response: 573715104
Conc: 983.74 ppb m



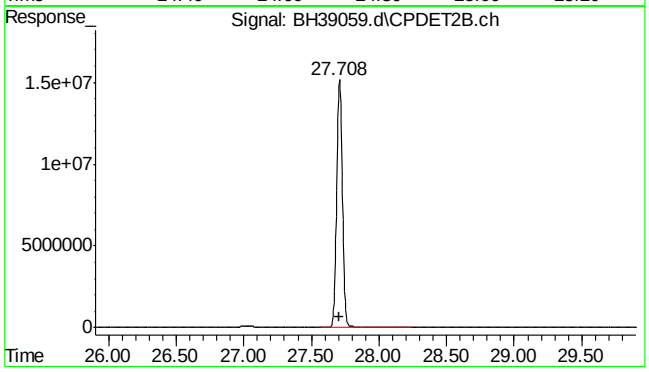
#31 1,3,5-trimethylbenzene #2

R.T.: 24.256 min
Delta R.T.: 0.005 min
Response: 790634138
Conc: 939.81 ppb m



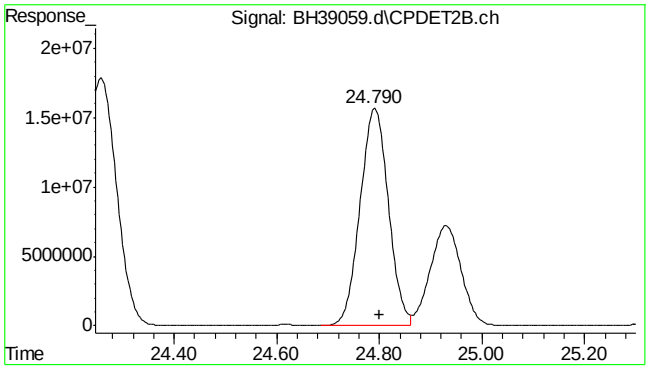
#32 1,2,4-trimethylbenzene #2

R.T.: 24.790 min
Delta R.T.: 0.003 min
Response: 602514656
Conc: 927.91 ppb m



#33 naphthalene #2

R.T.: 27.708 min
Delta R.T.: 0.002 min
Response: 452163550
Conc: 809.58 ppb m



#34 c9-c10 arom as 1,2,4-tmb

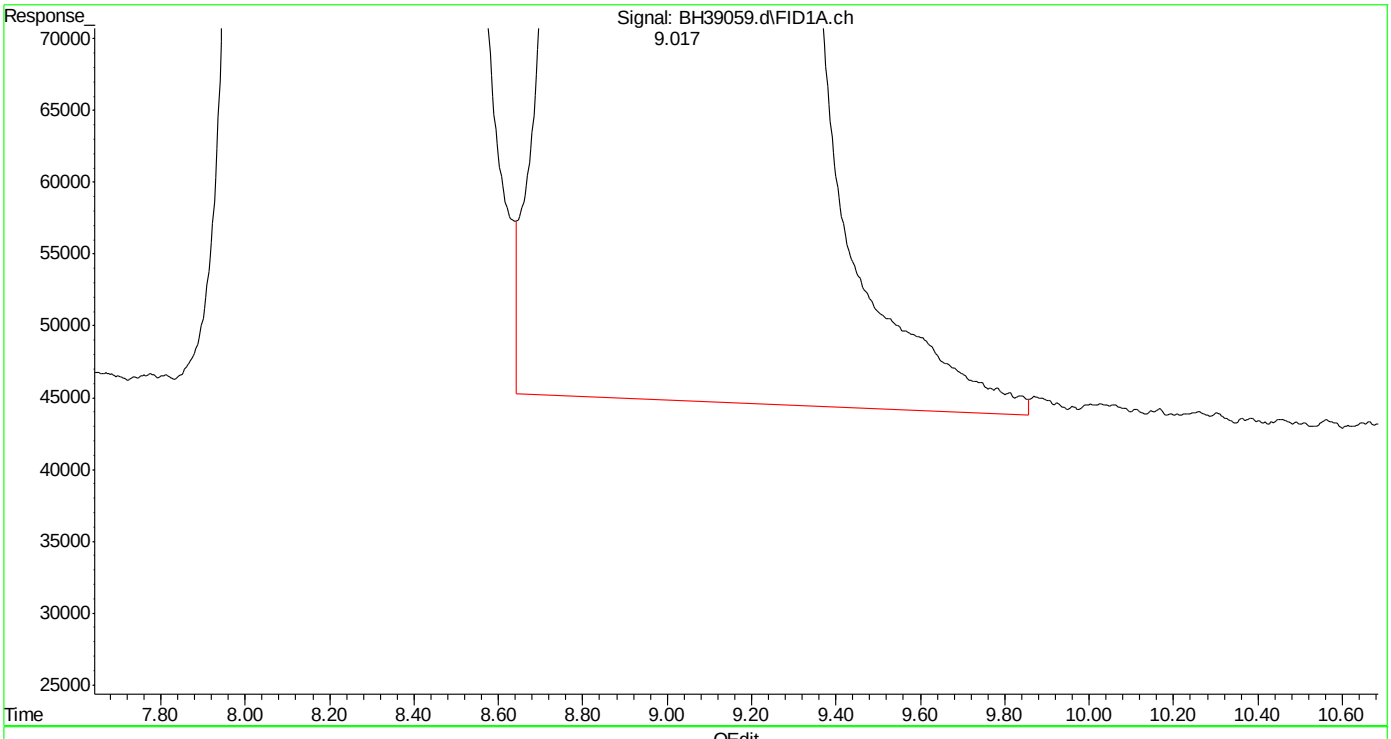
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 602910305
Conc: 928.73 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.019min 923.214 ppb
response 574784474

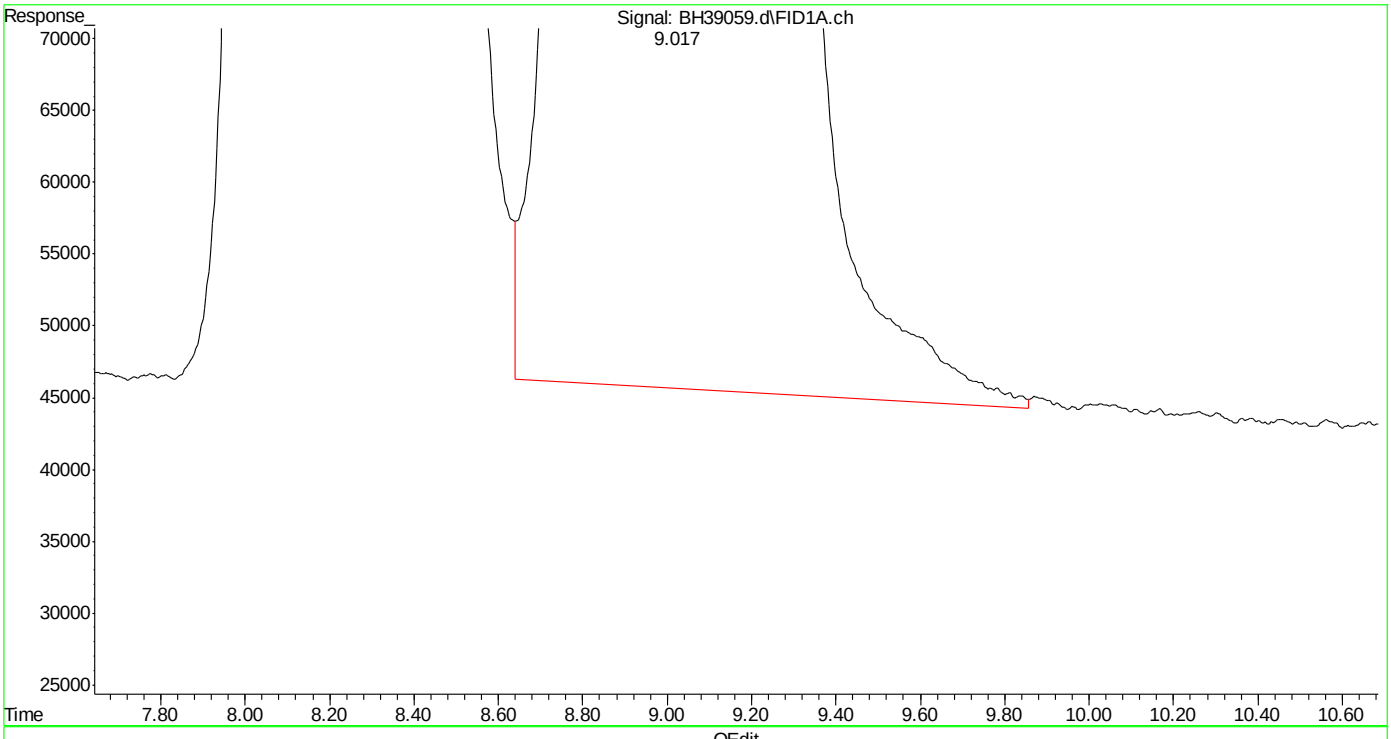
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:44:53 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.017min 922.404 ppb m
response 574280098

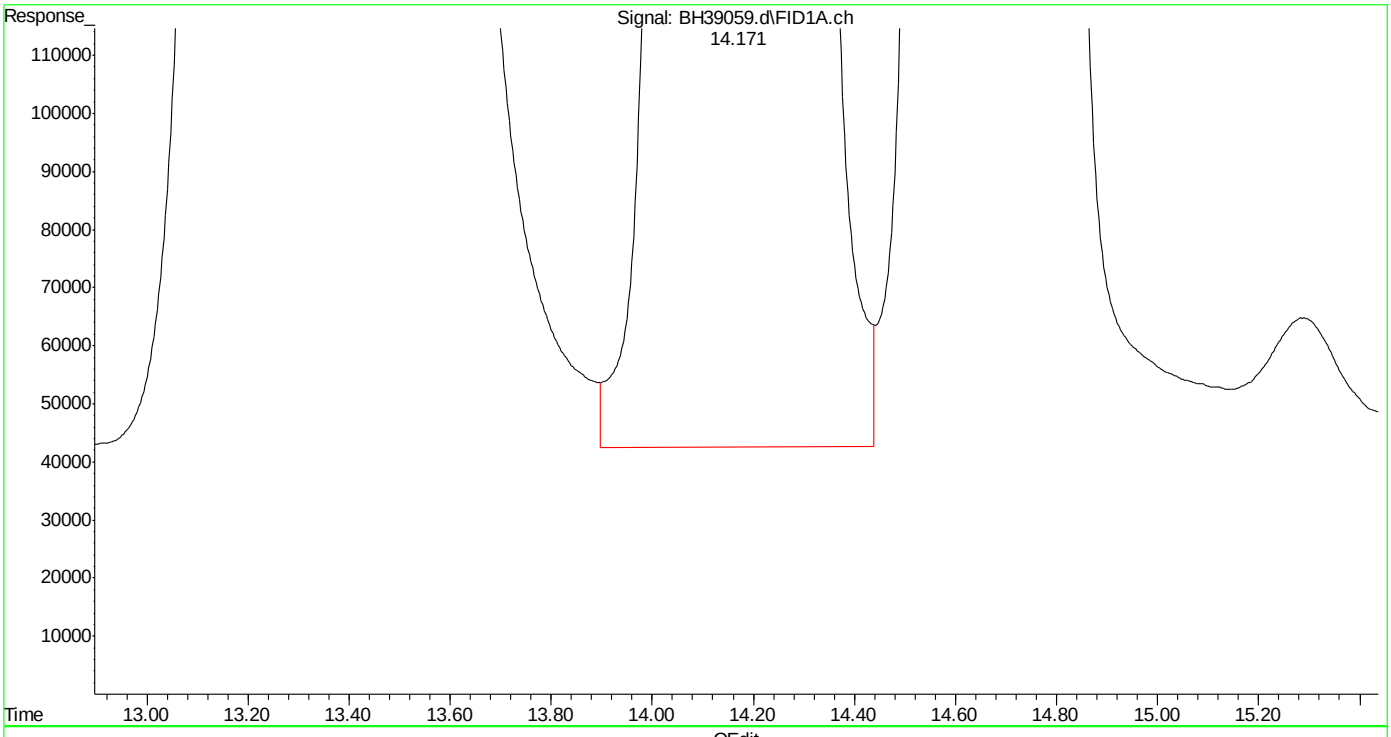
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:01 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.173min 992.767 ppb
response 1197002050

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:19 2016 Page: 1

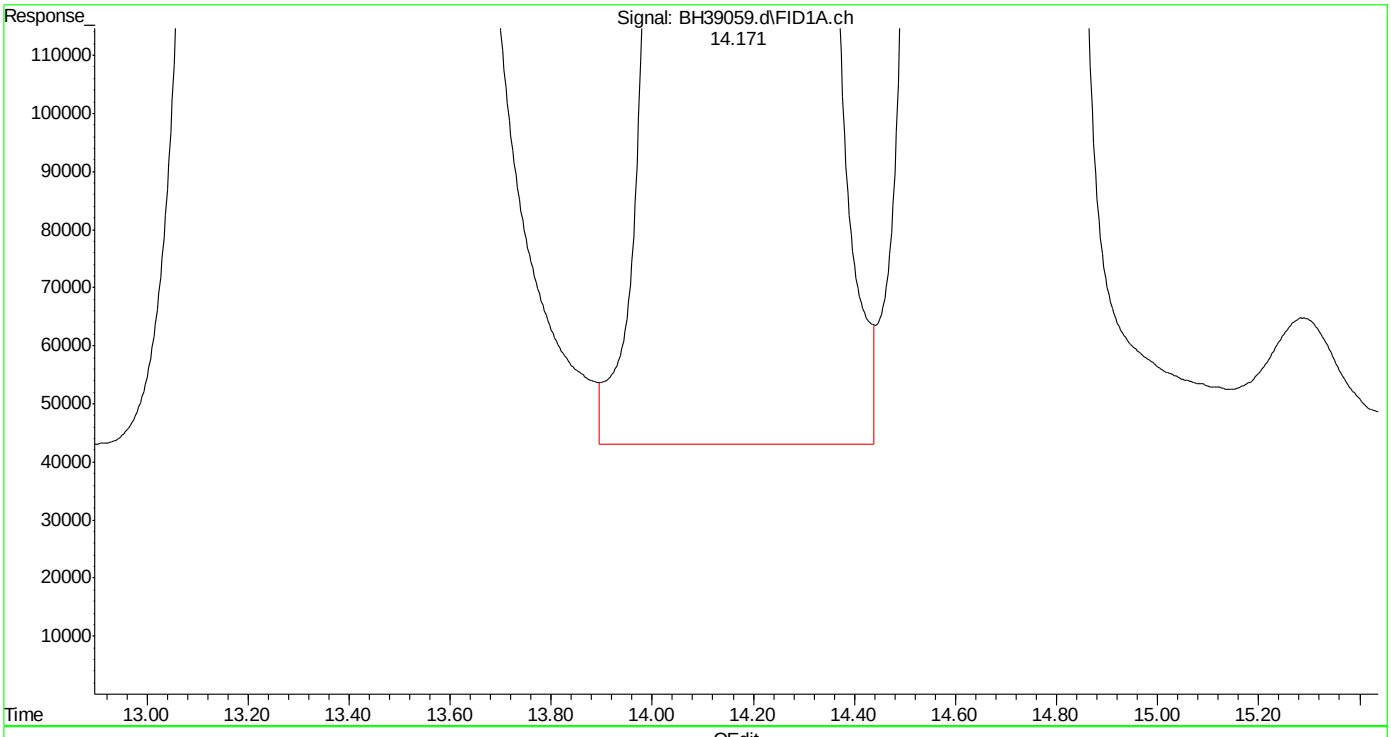
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.171min 992.642 ppb m
response 1196851669

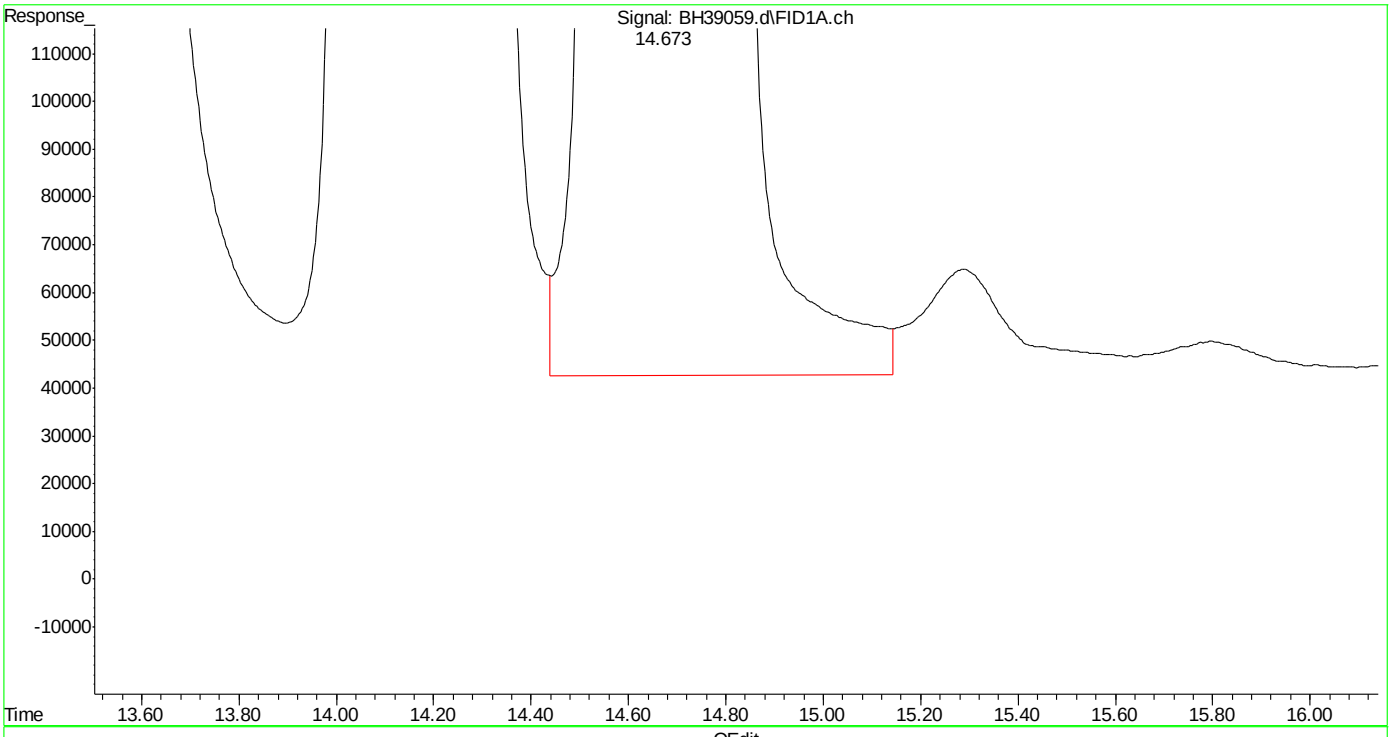
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:26 2016 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(6) fluorobenzene (s)

14.675min 1013.387 ppb

response 950604408

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:45:30 2016

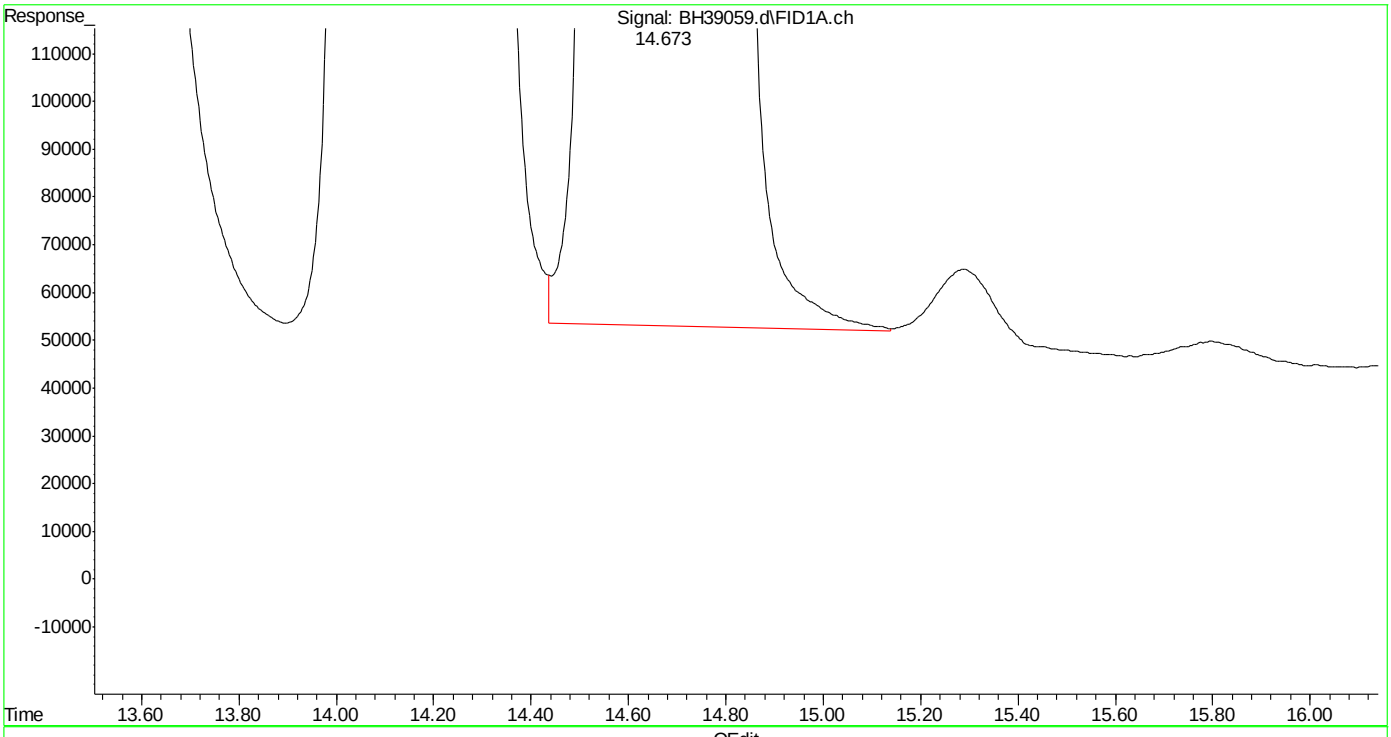
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.673min 1008.892 ppb m
response 946388309

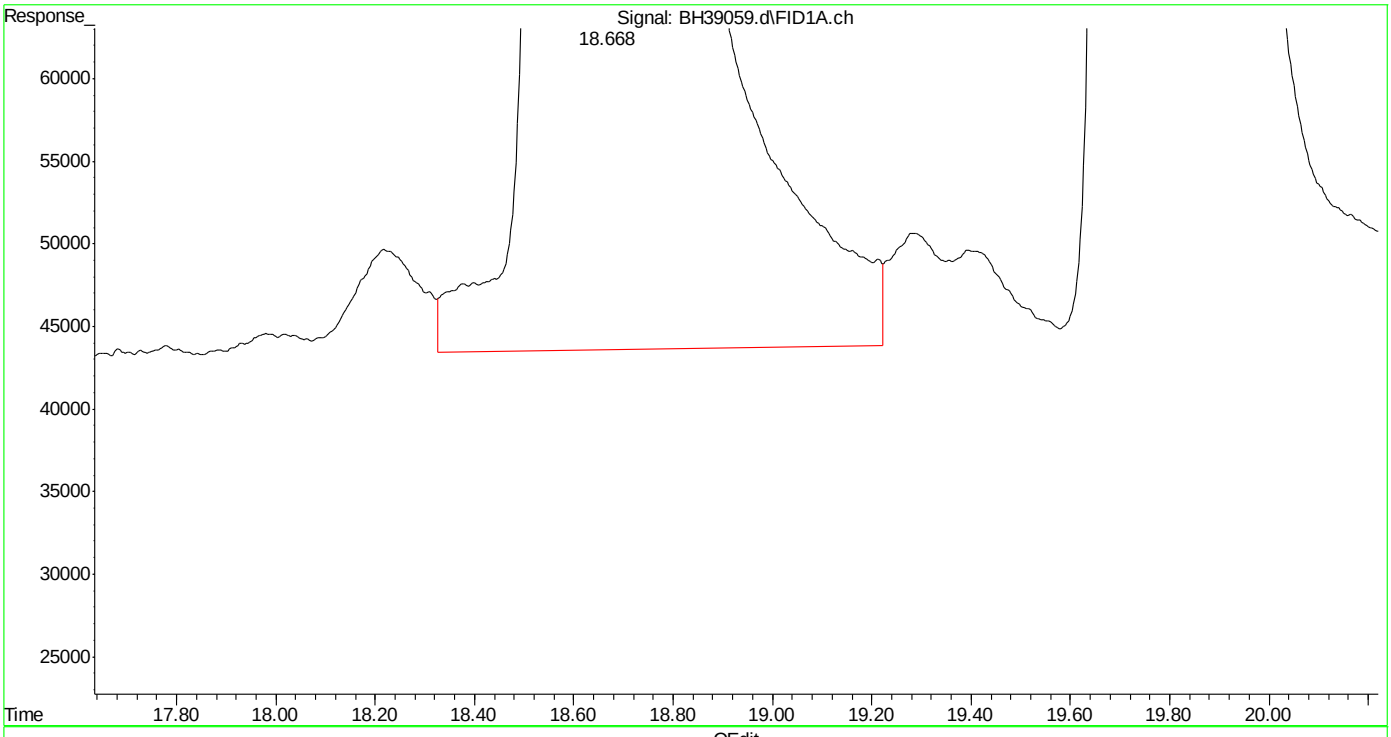
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:38 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.669min 1022.481 ppb
response 1240458837

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:46 2016

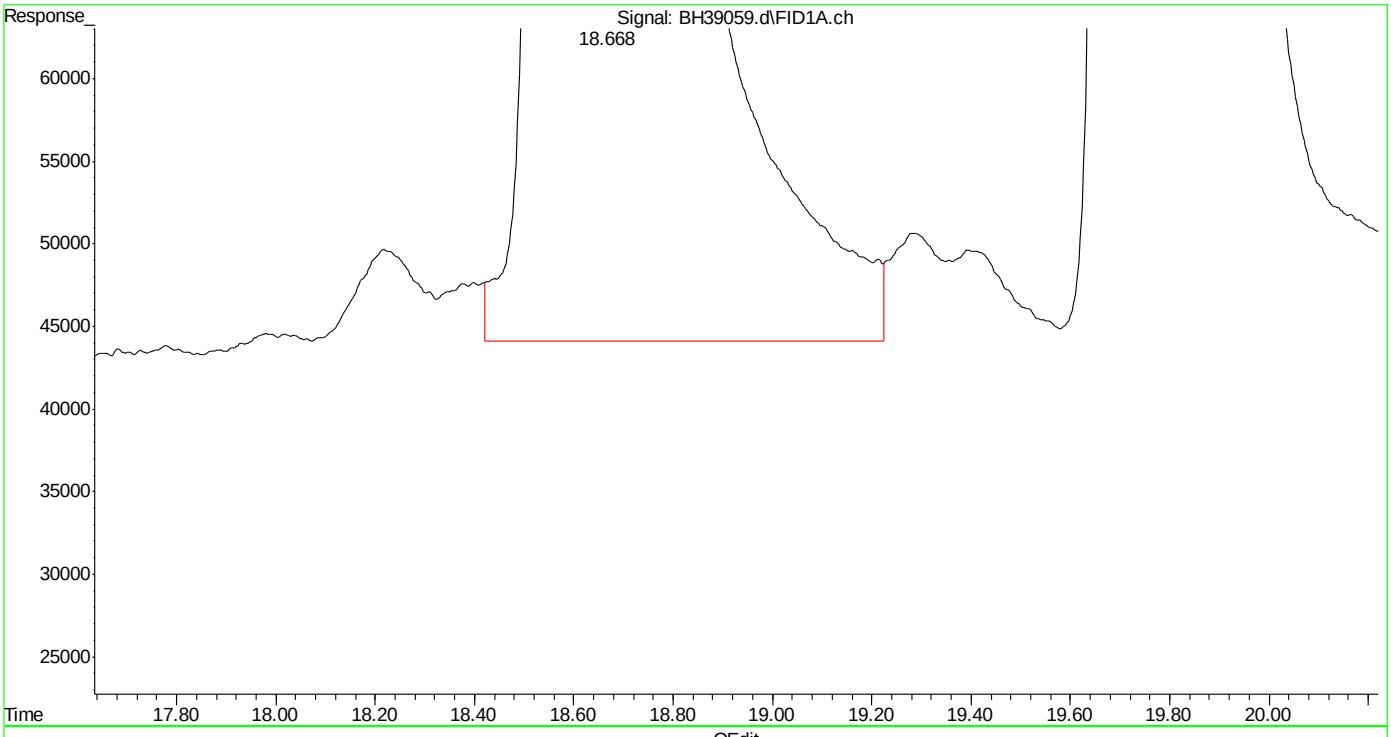
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.668min 1022.109 ppb m
response 1240007399

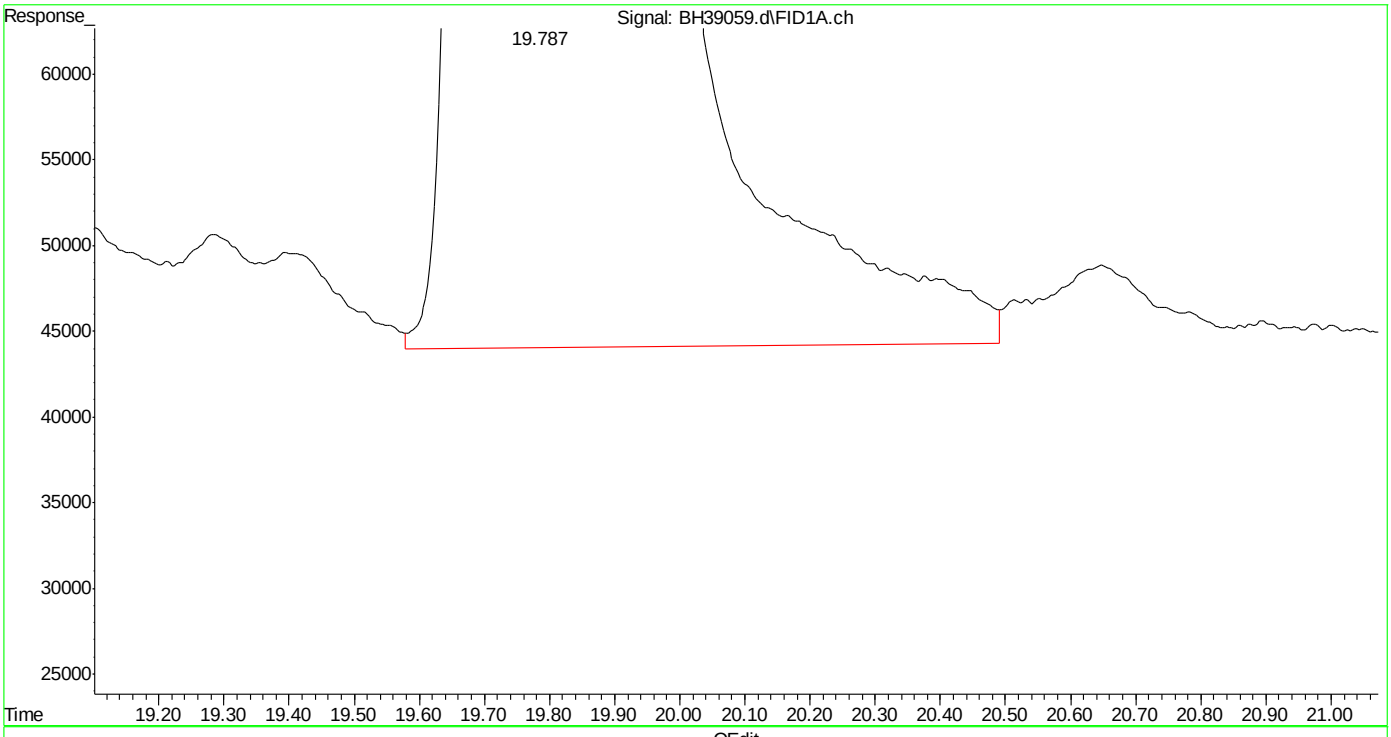
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:54 2016 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(9) 2,3,4-trifluorotoluene (s)

19.788min 1012.879 ppb

response 822216654

(+) = Expected Retention Time

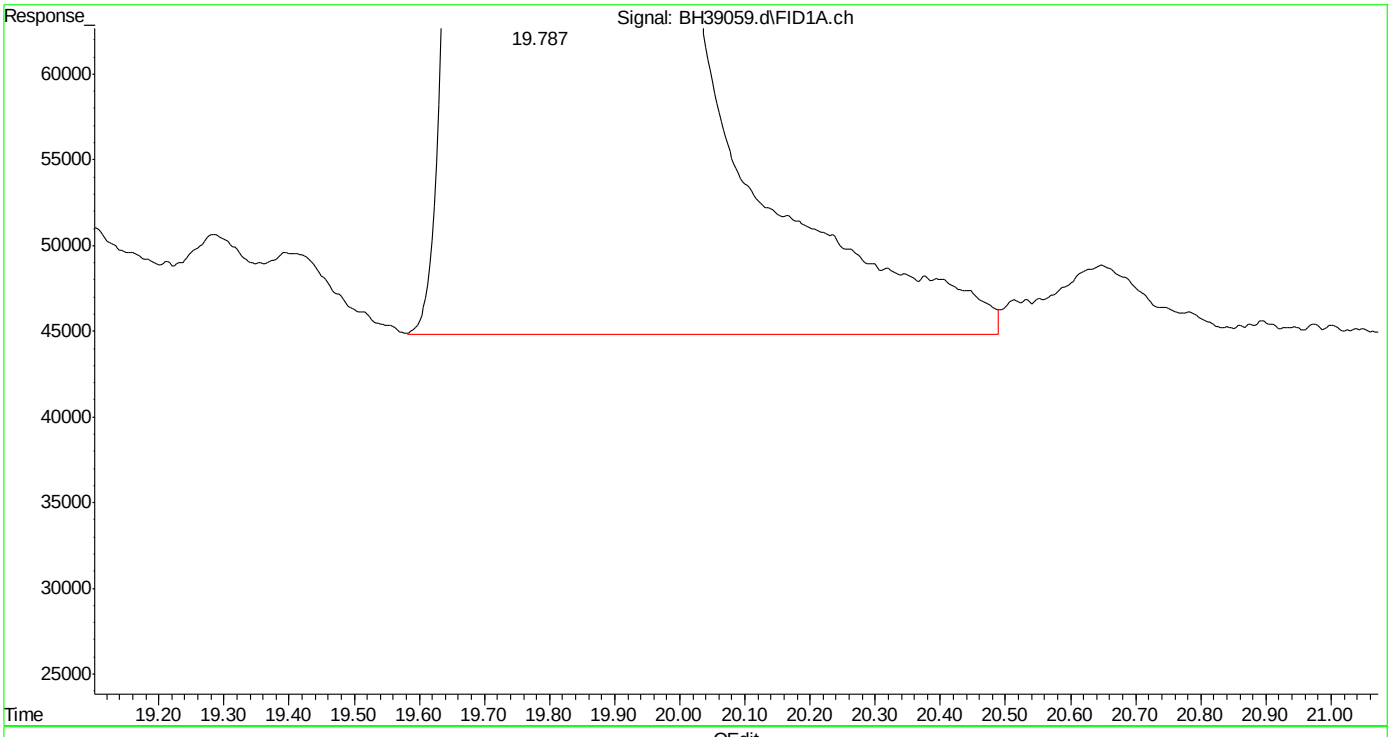
bh160420vphmaster.m Wed Apr 20 14:46:00 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(9) 2,3,4-trifluorotoluene (s)

19.787min 1012.403 ppb m

response 821830159

(+) = Expected Retention Time

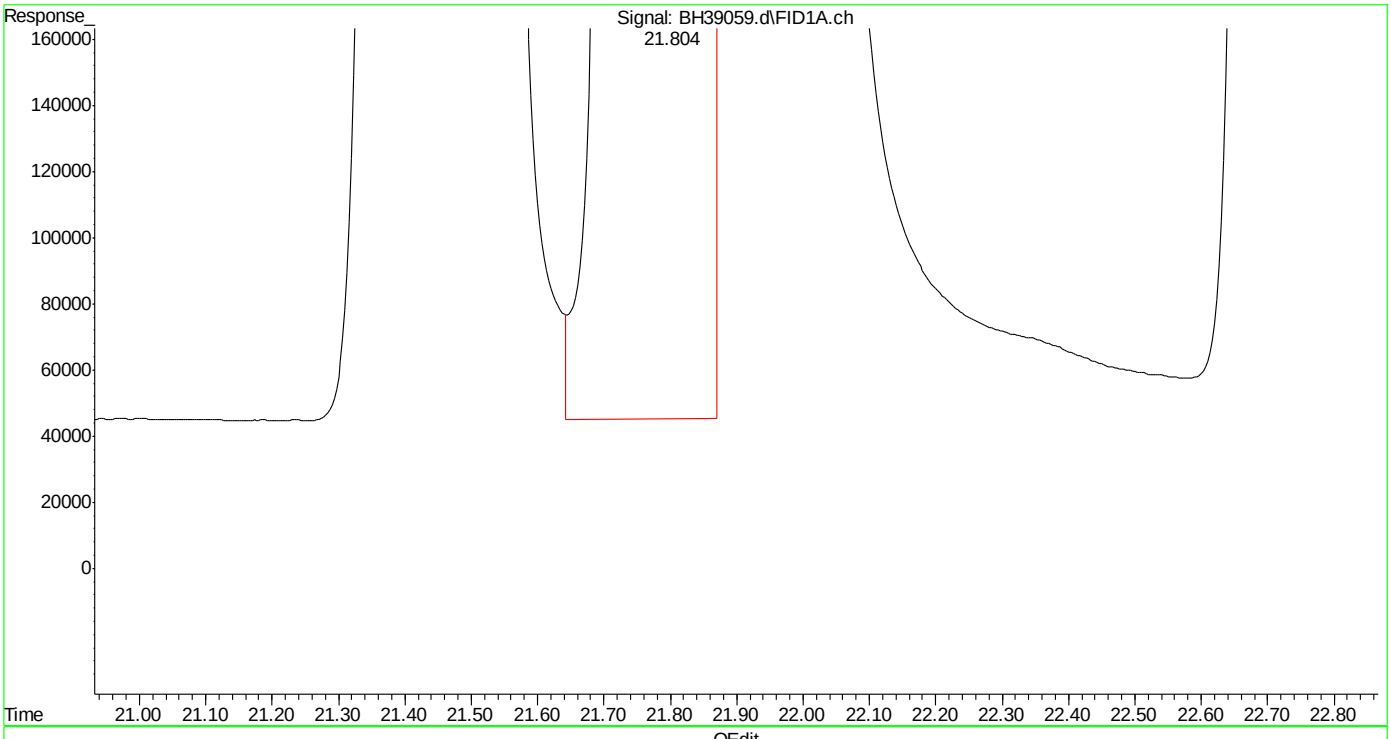
bh160420vphmaster.m Wed Apr 20 14:46:06 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.805min 1053.187 ppb
response 1264293322

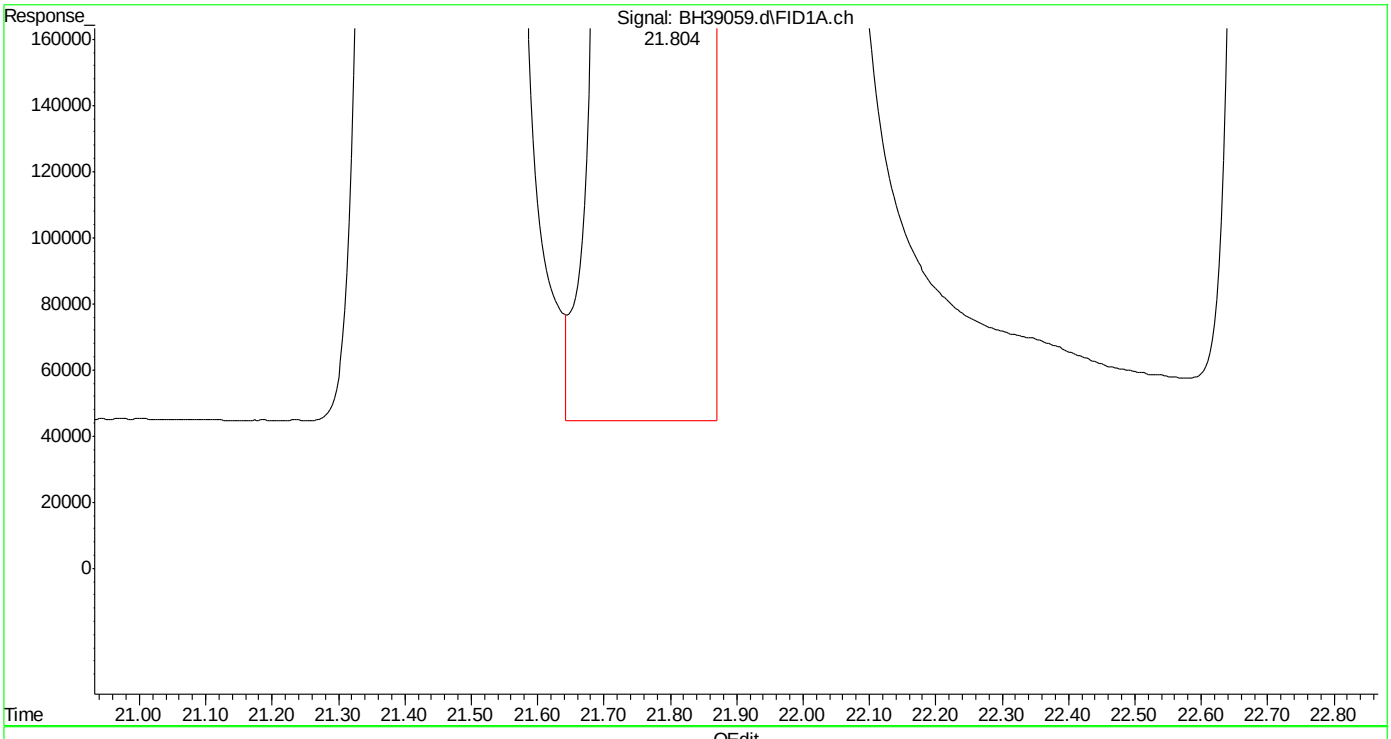
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:18 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.804min 1050.086 ppb m
response 1260571147

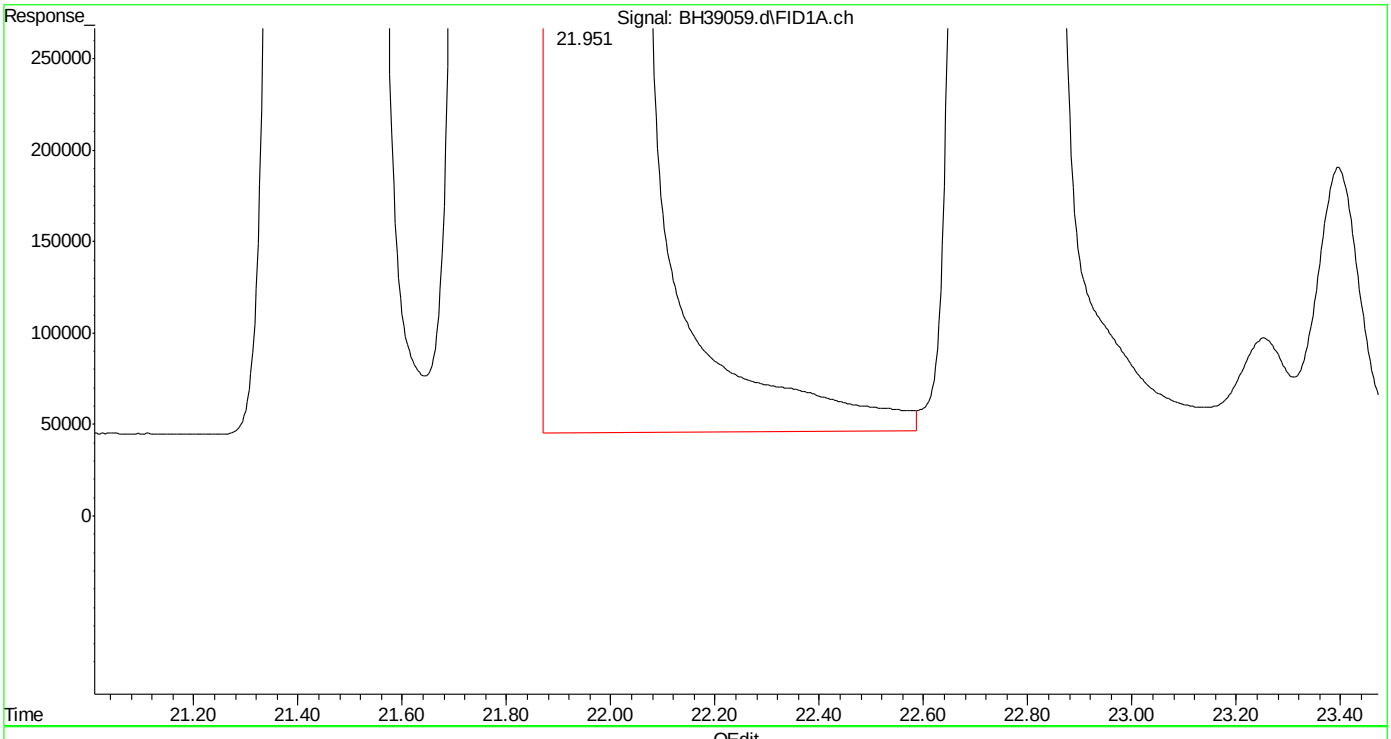
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:28 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.952min 2094.613 ppb
response 2634559696

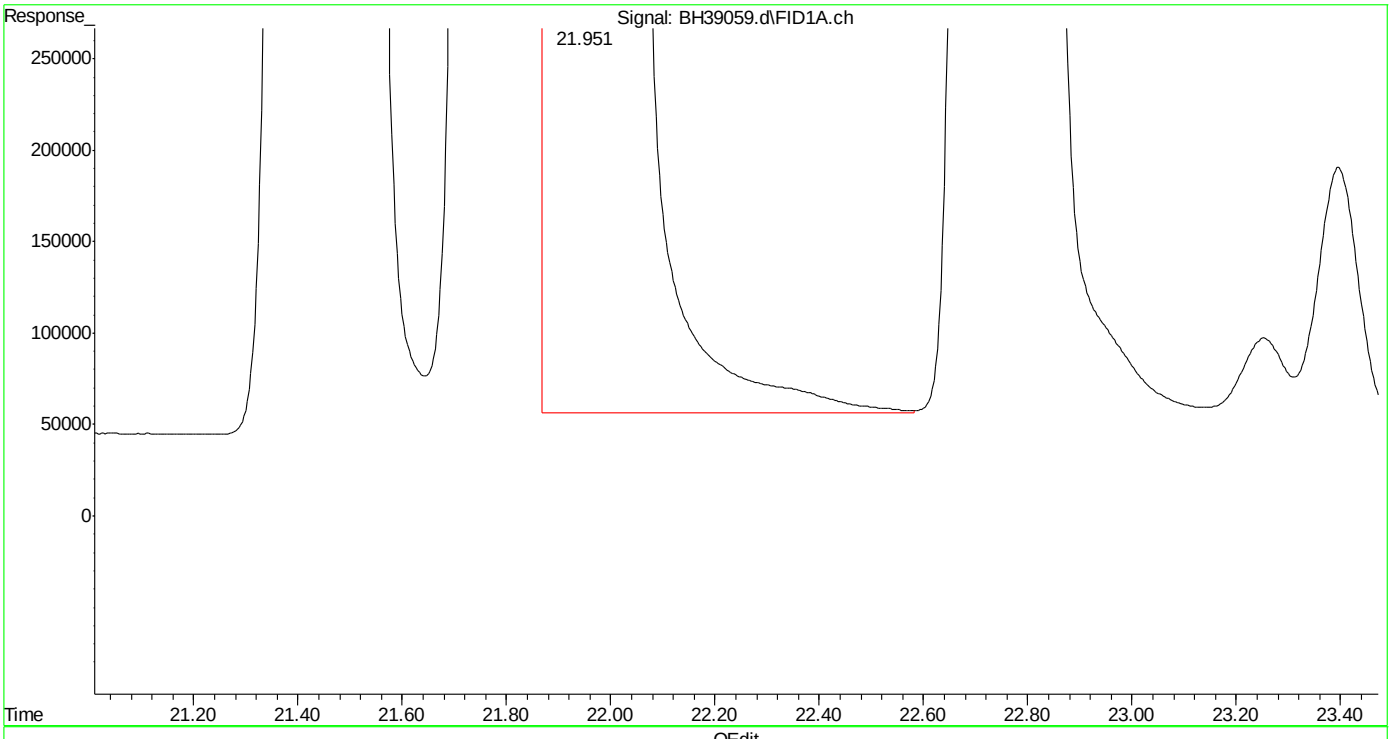
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:33 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.951min 2093.410 ppb m
response 2633046480

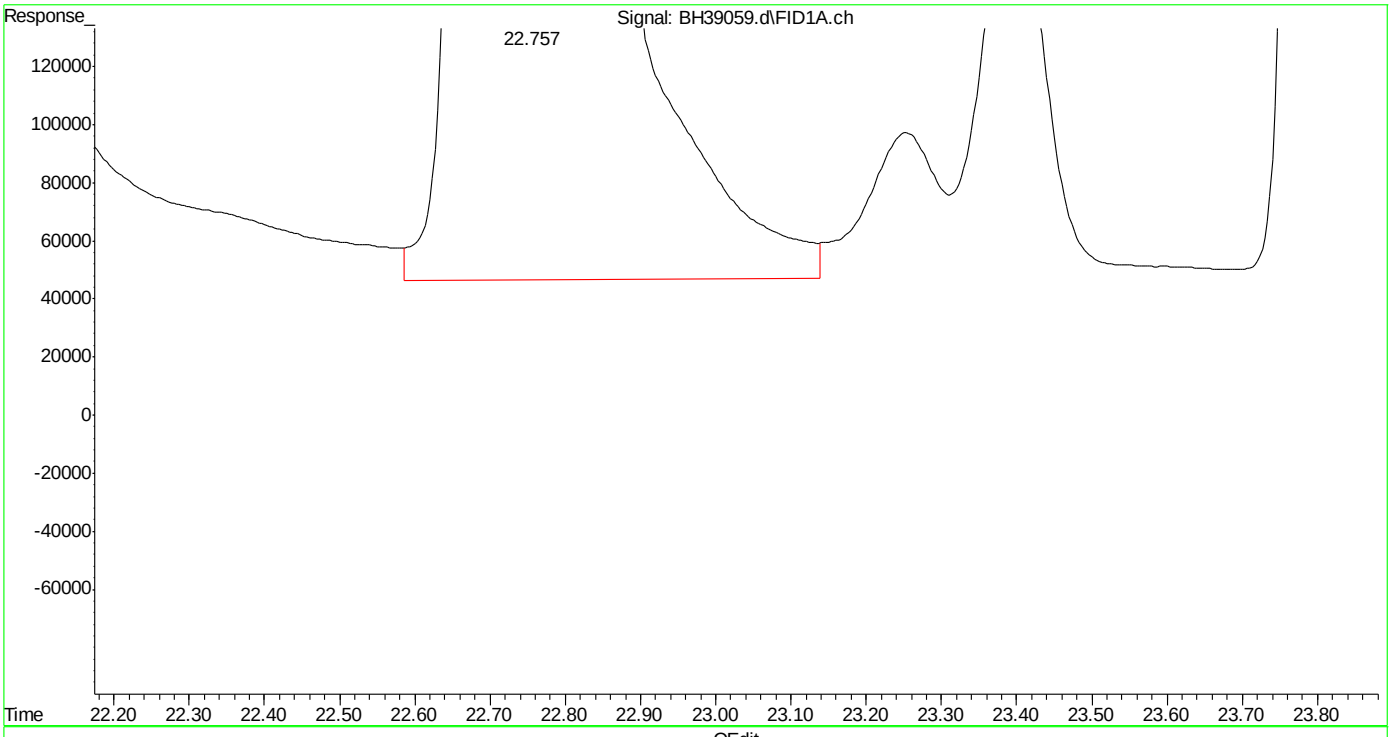
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:40 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.758min 1030.546 ppb
response 1321381389

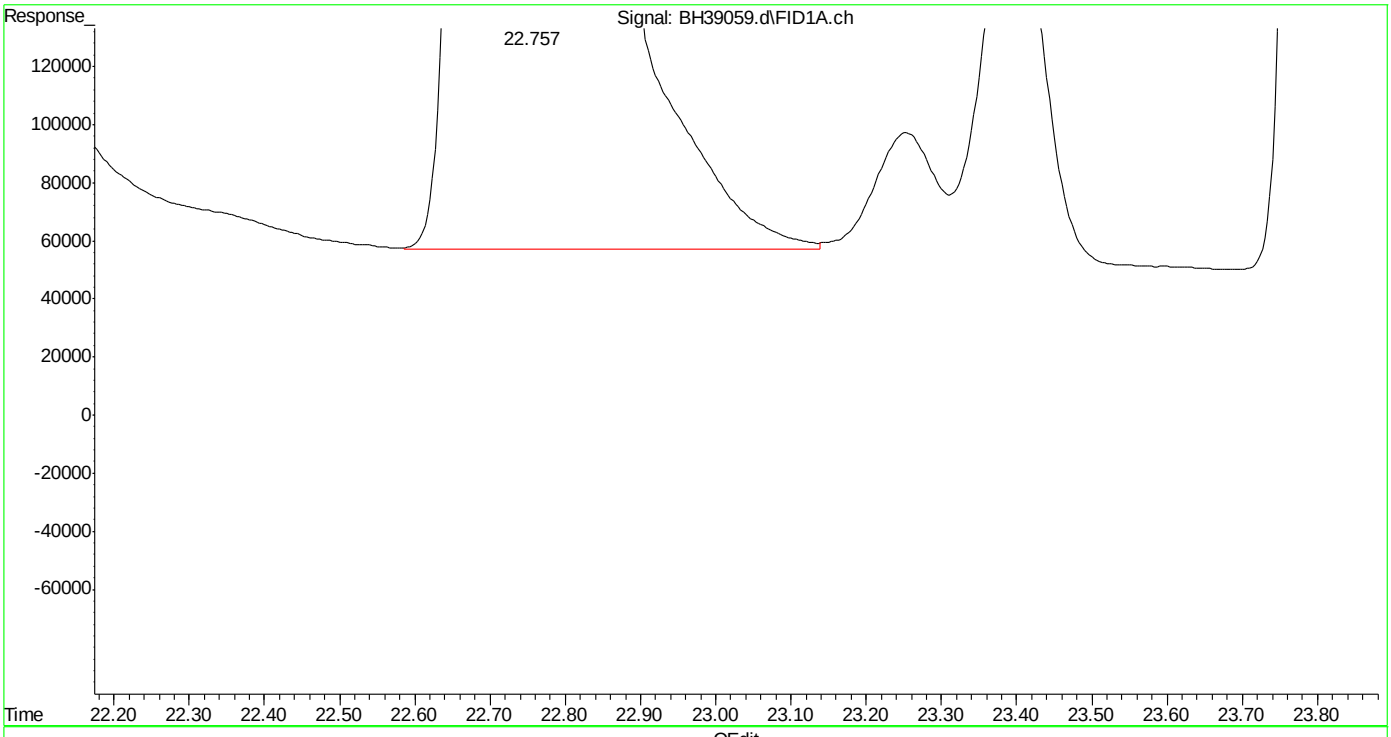
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:45 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.757min 1027.820 ppb m
response 1317885314

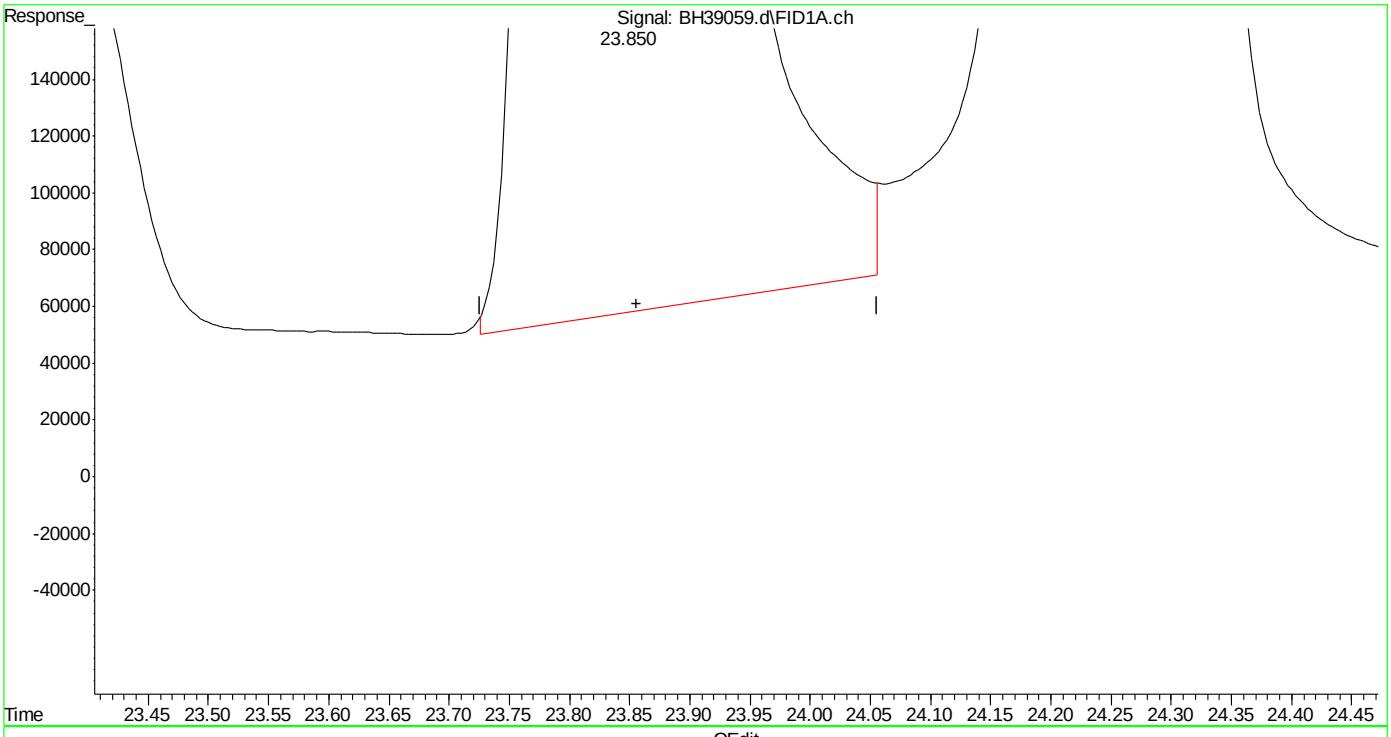
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 1015.306 ppb
response 1198662731

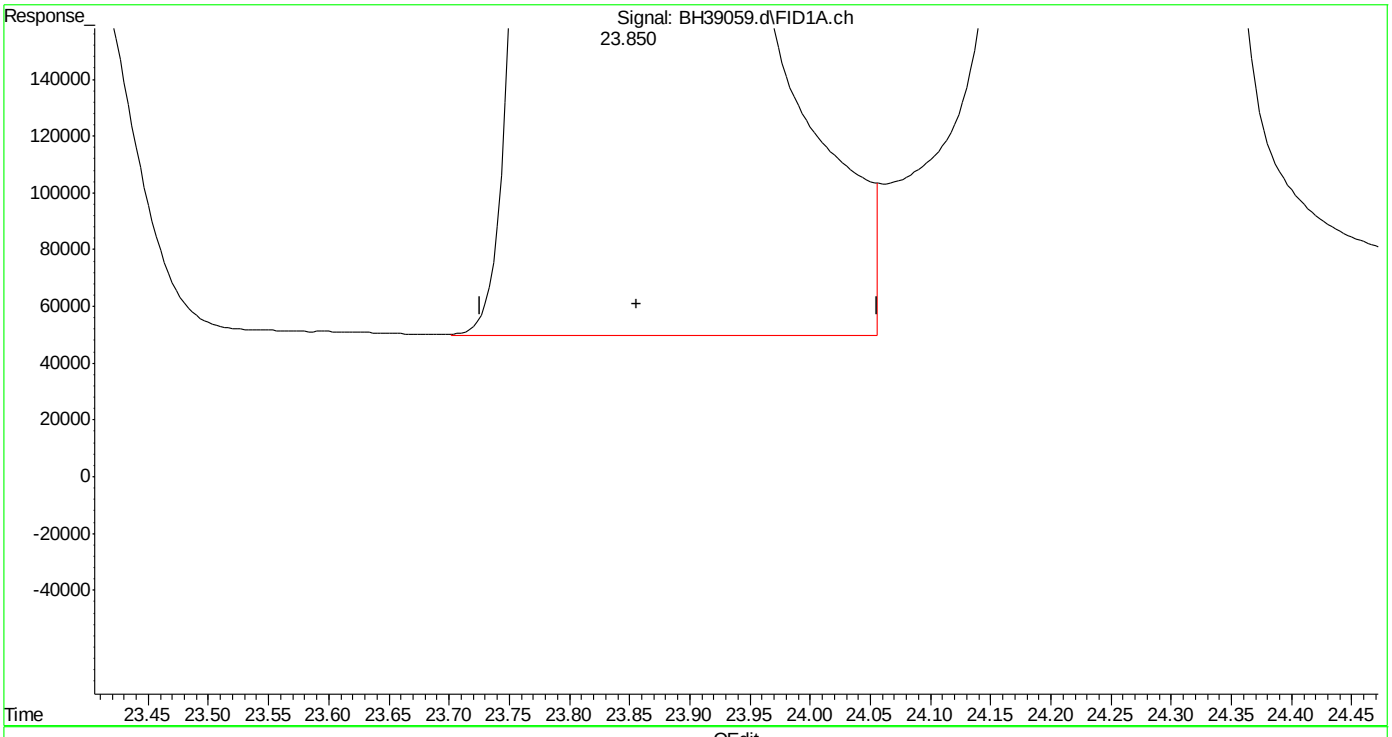
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 1017.134 ppb m
response 1200820065

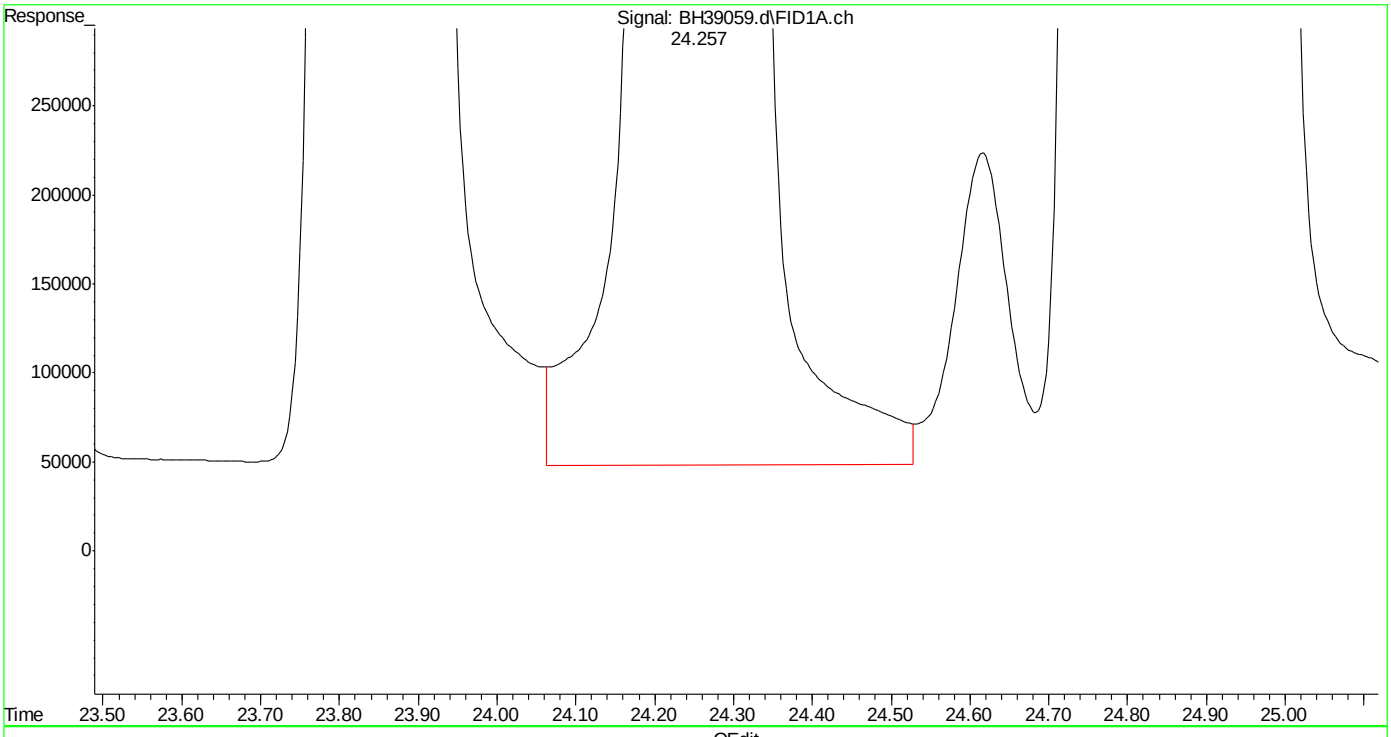
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:02 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.259min 988.155 ppb
response 1330402819

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:07 2016 Page: 1

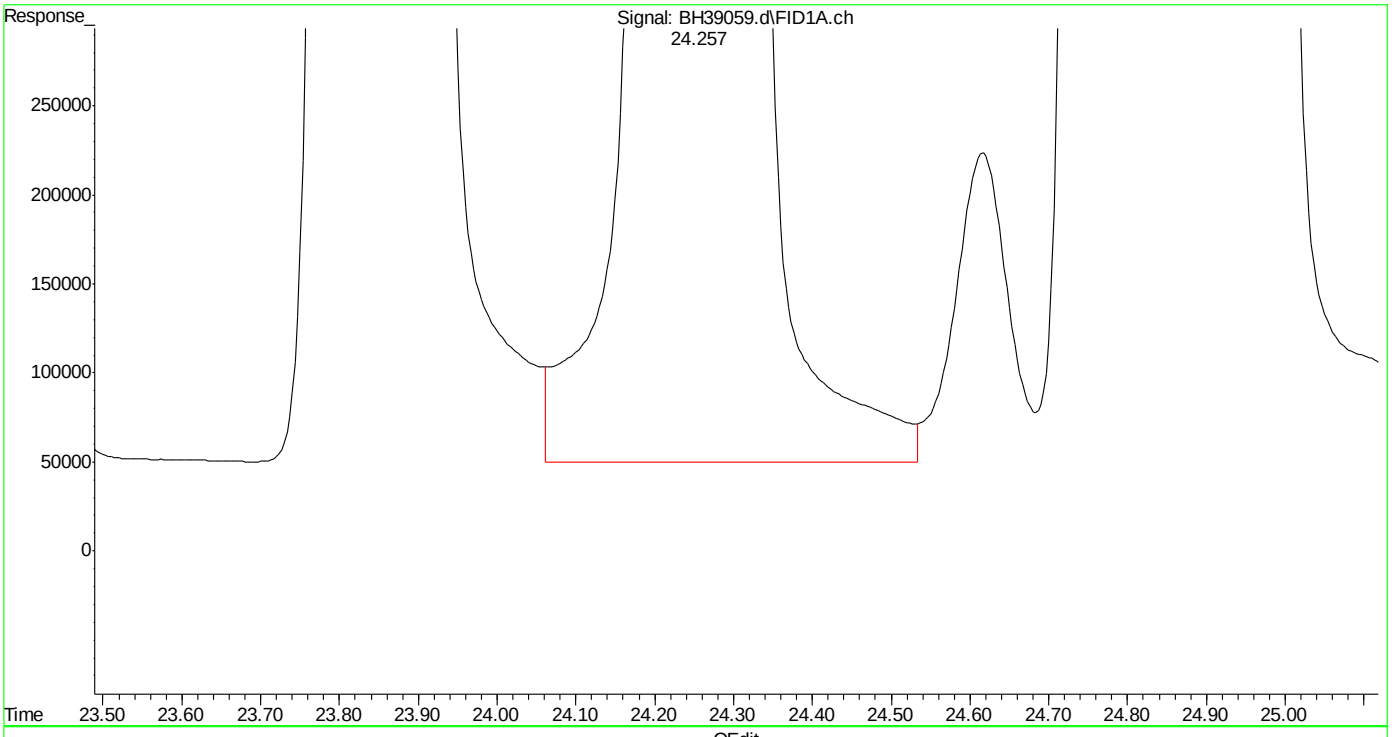
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.257min 987.895 ppb m
response 1330052596

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:15 2016 Page: 1

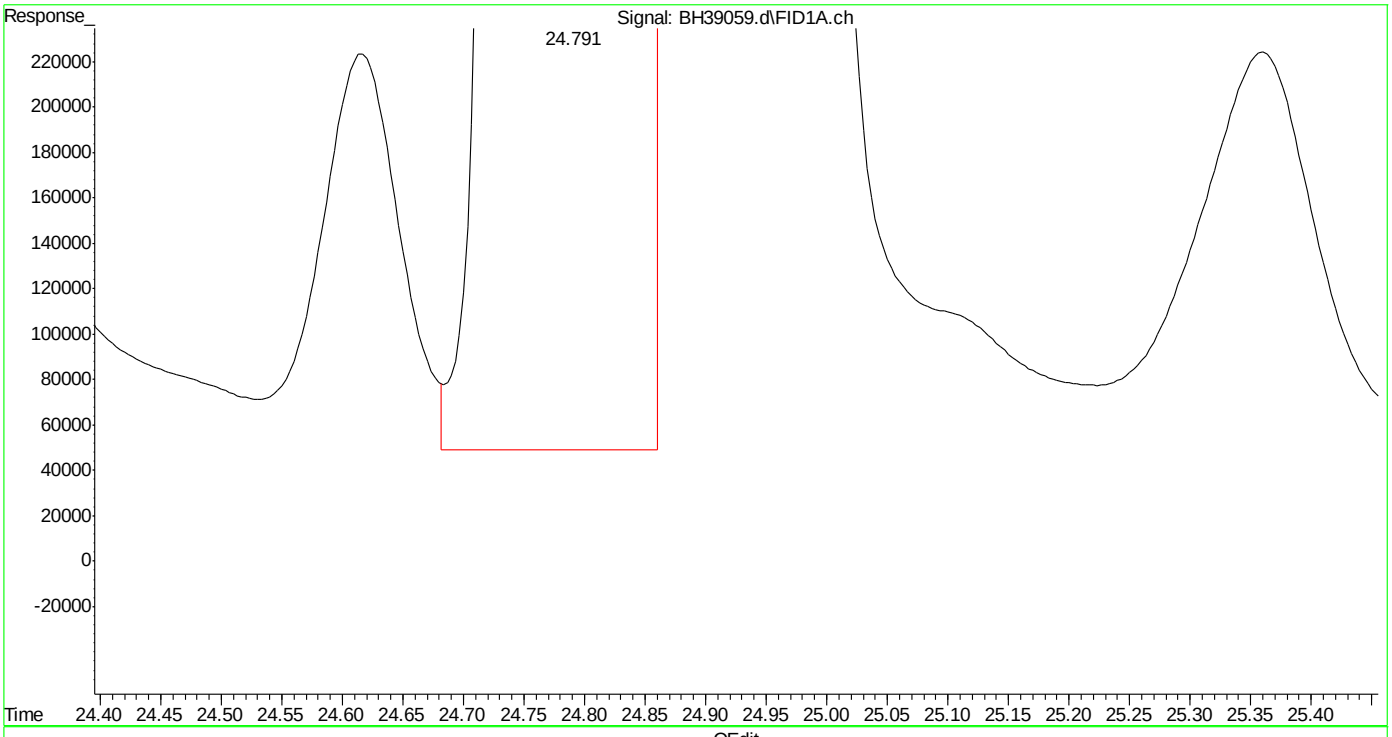
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.792min 960.939 ppb

response 1308039651

(+) = Expected Retention Time

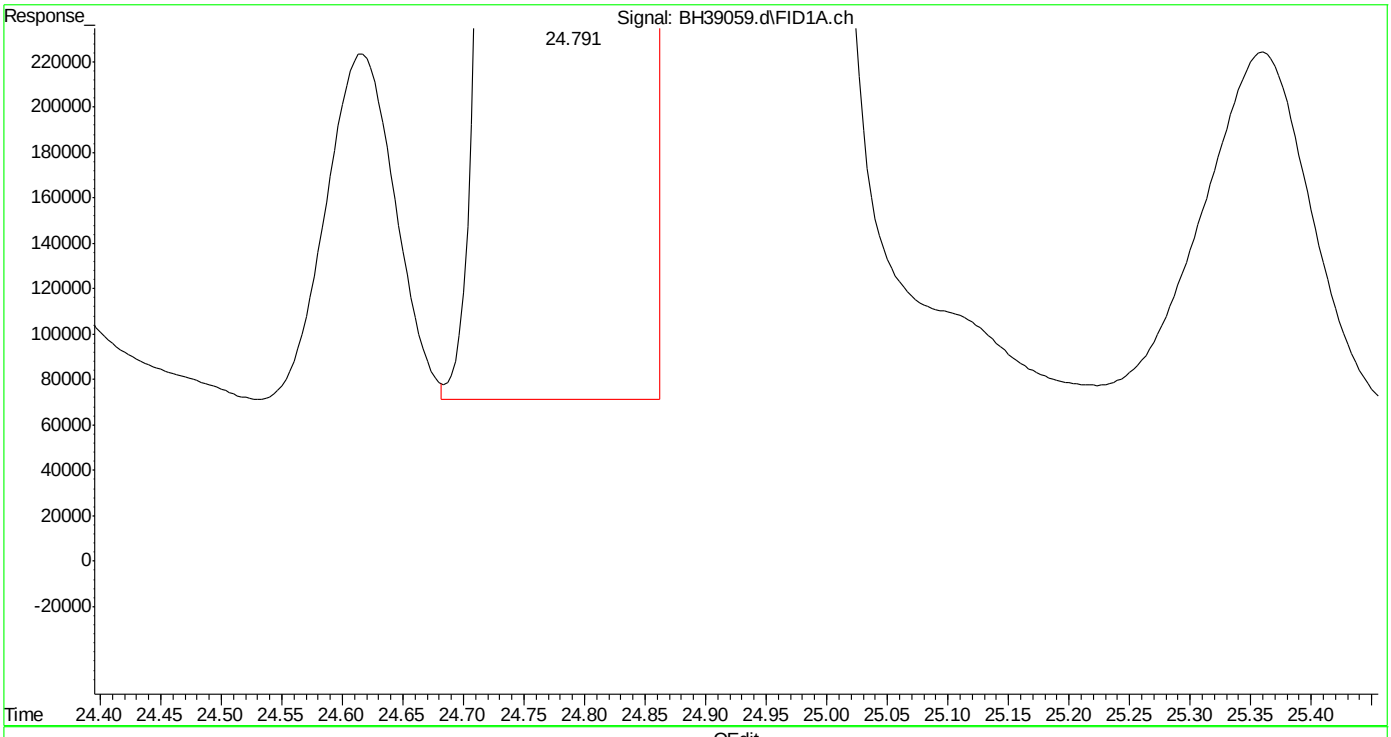
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.791min 961.519 ppb m
response 1308829133

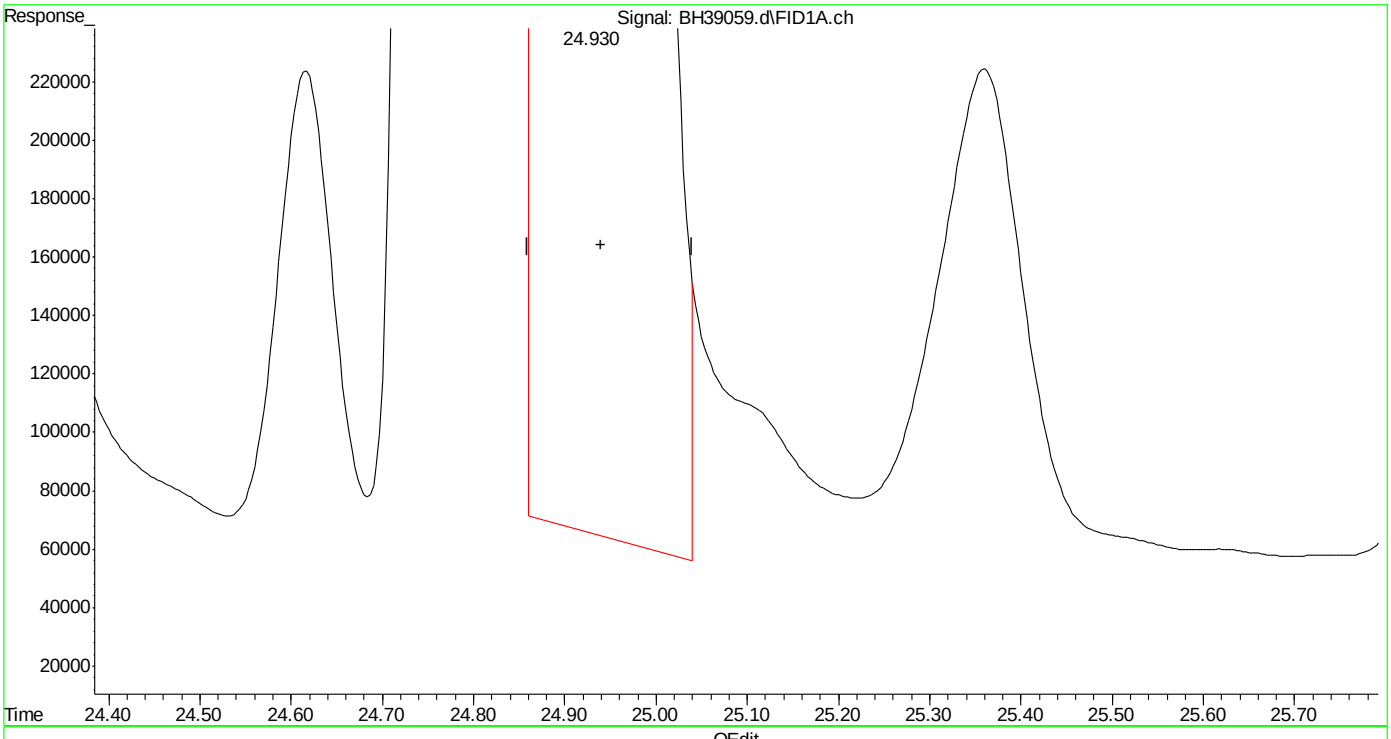
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 982.910 ppb
response 1243896792

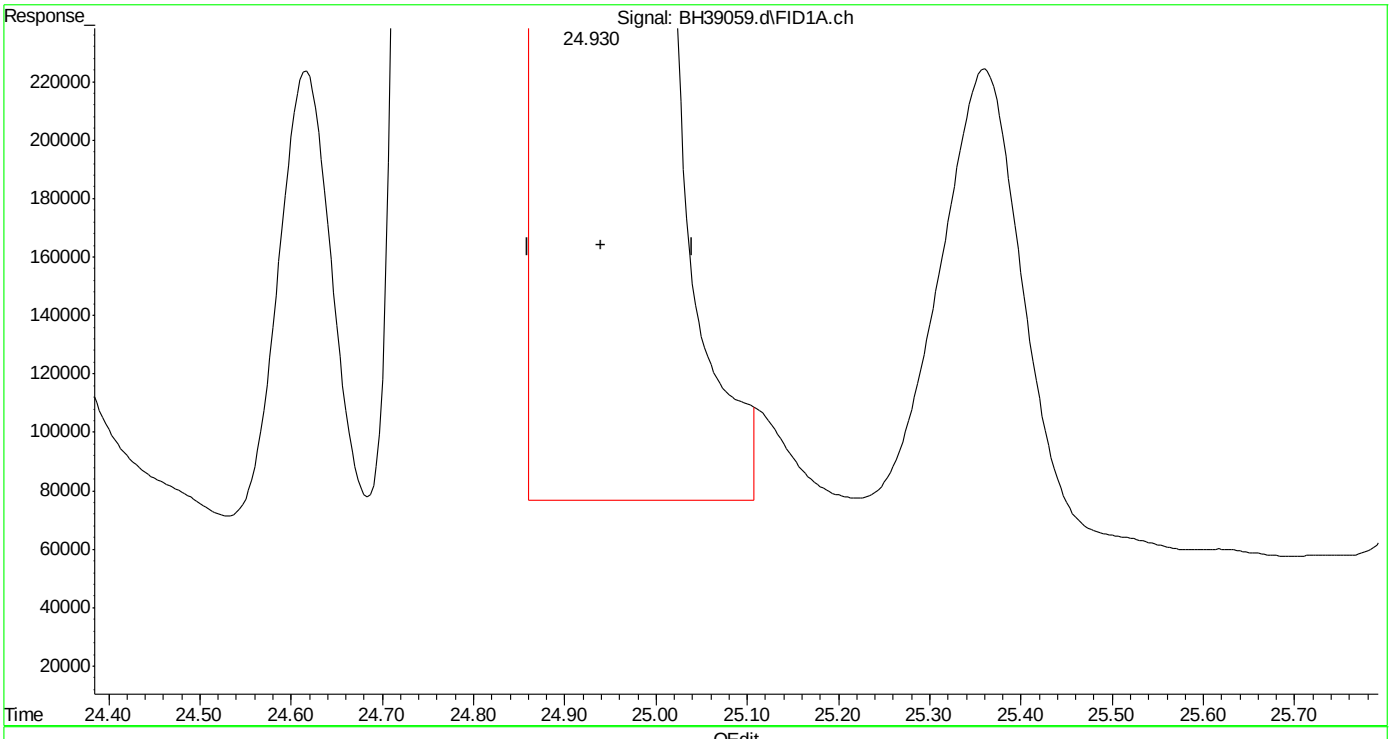
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 986.930 ppb m
response 1248984615

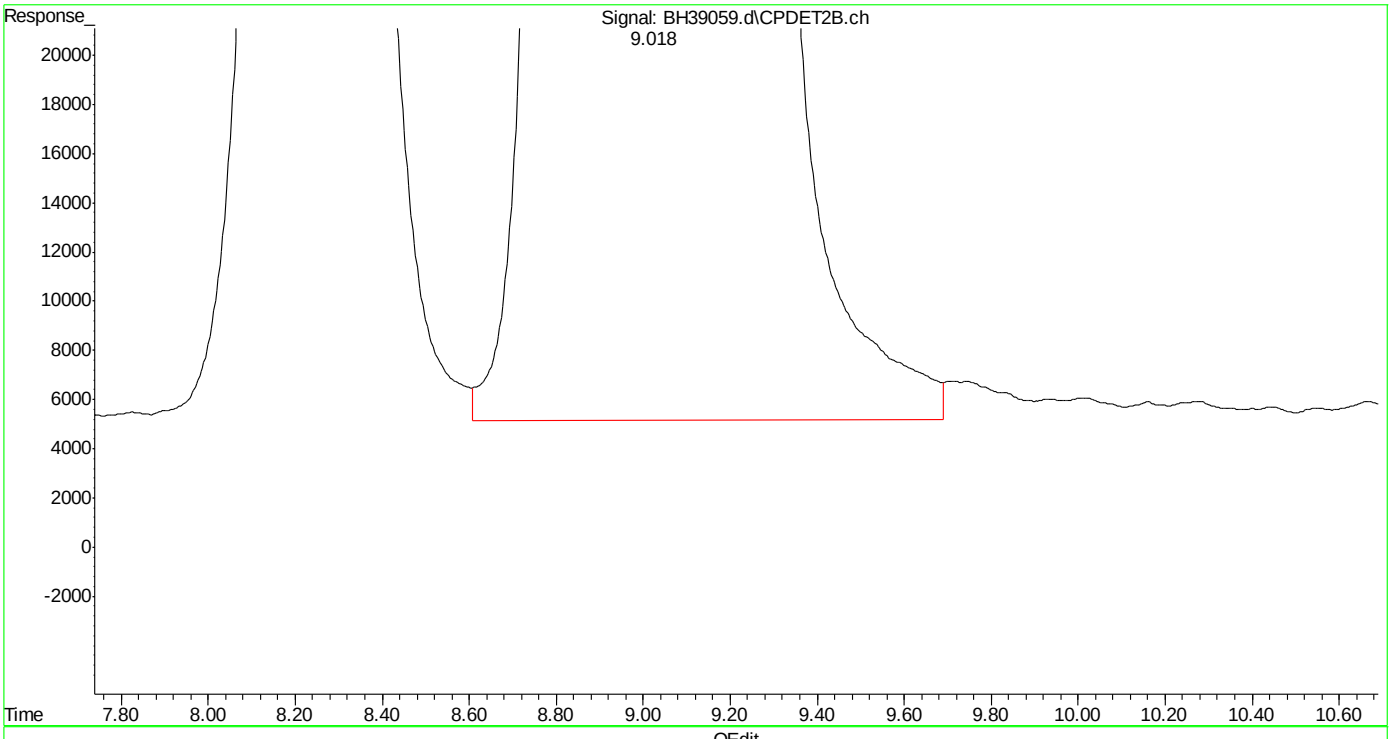
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.019min 903.753 ppb
response 256894990

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:55 2016 Page: 1

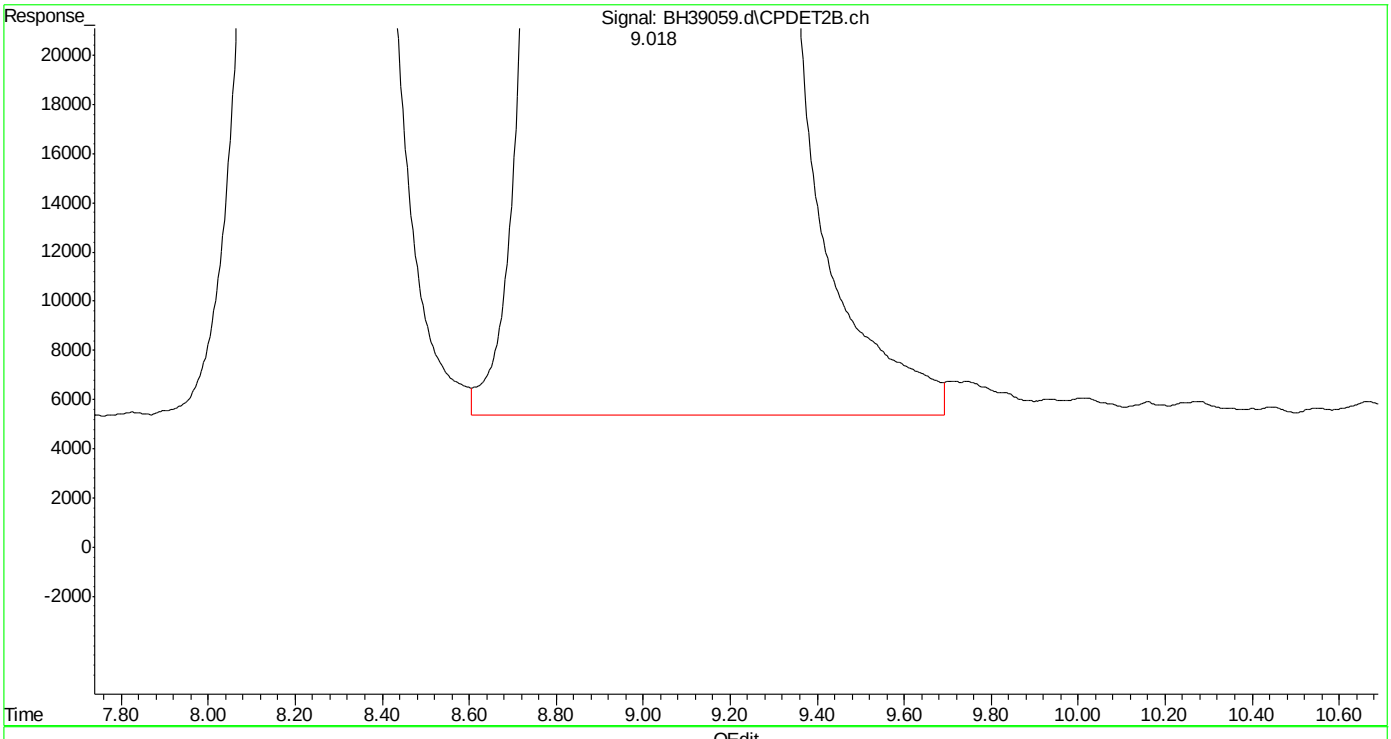
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.018min 903.308 ppb m
response 256768543

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:01 2016 Page: 1

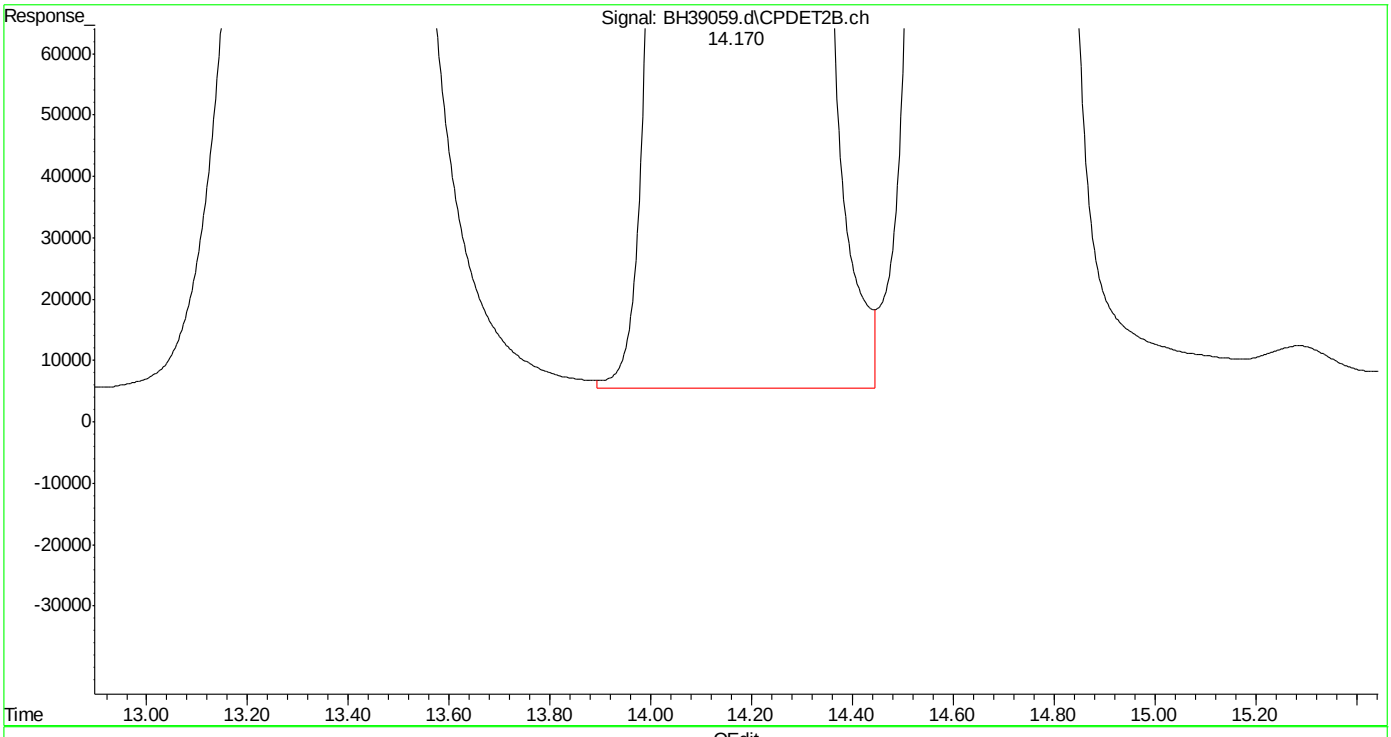
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.172min 948.882 ppb
response 627632686

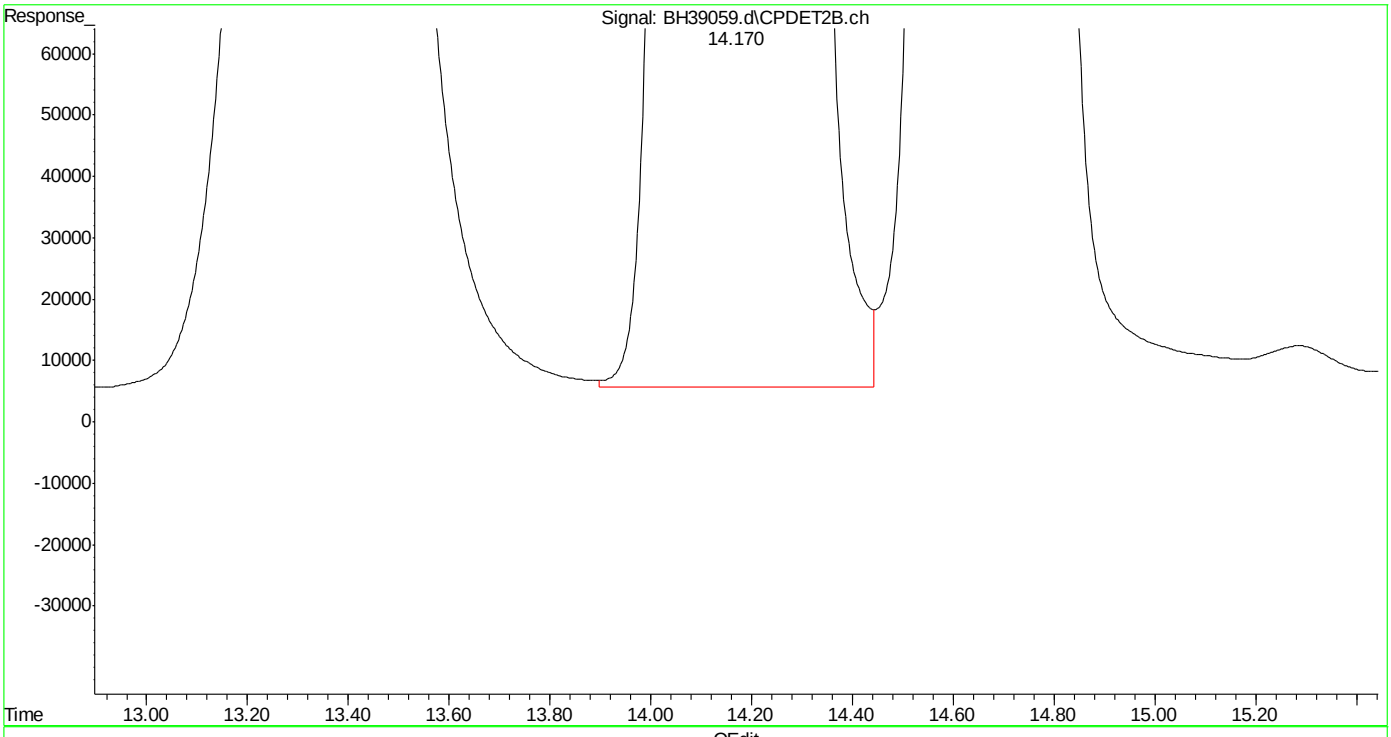
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:06 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.170min 948.756 ppb m
response 627549549

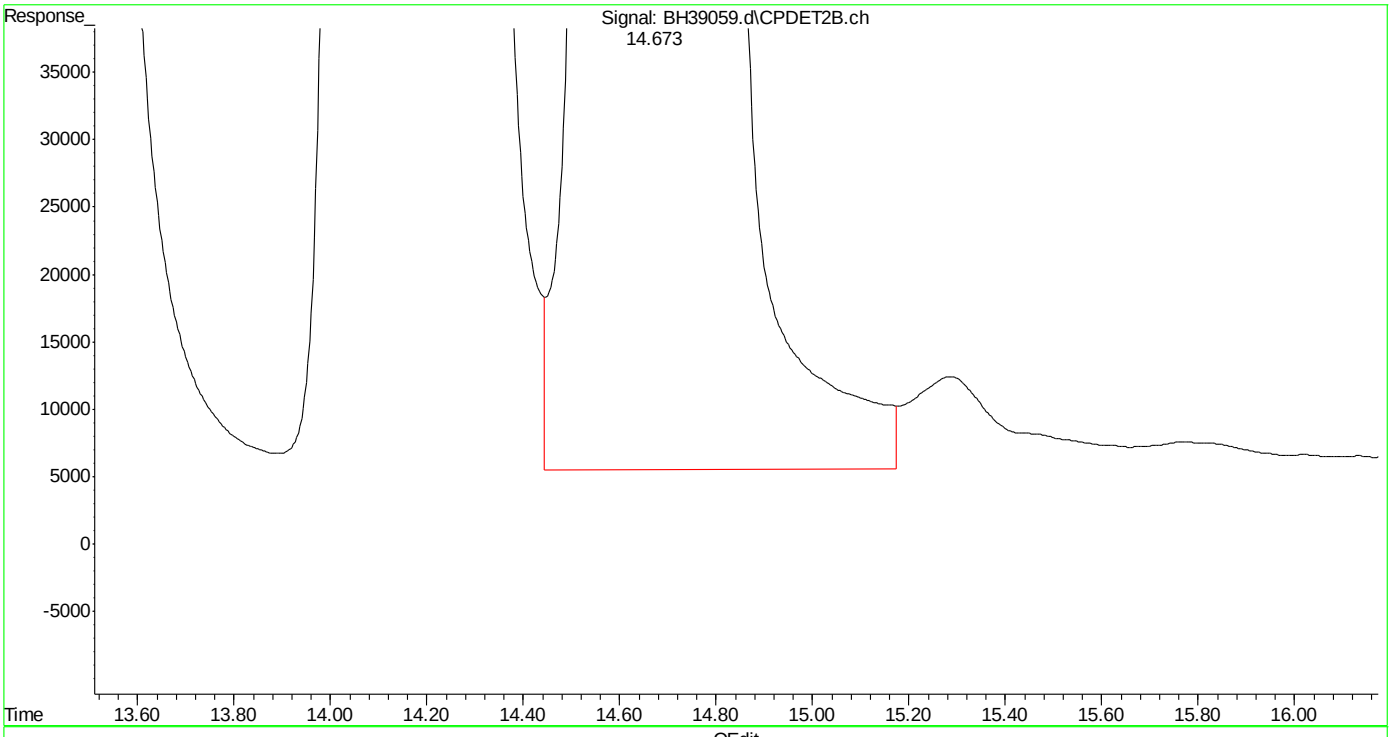
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.674min 982.220 ppb
response 400036840

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:19 2016

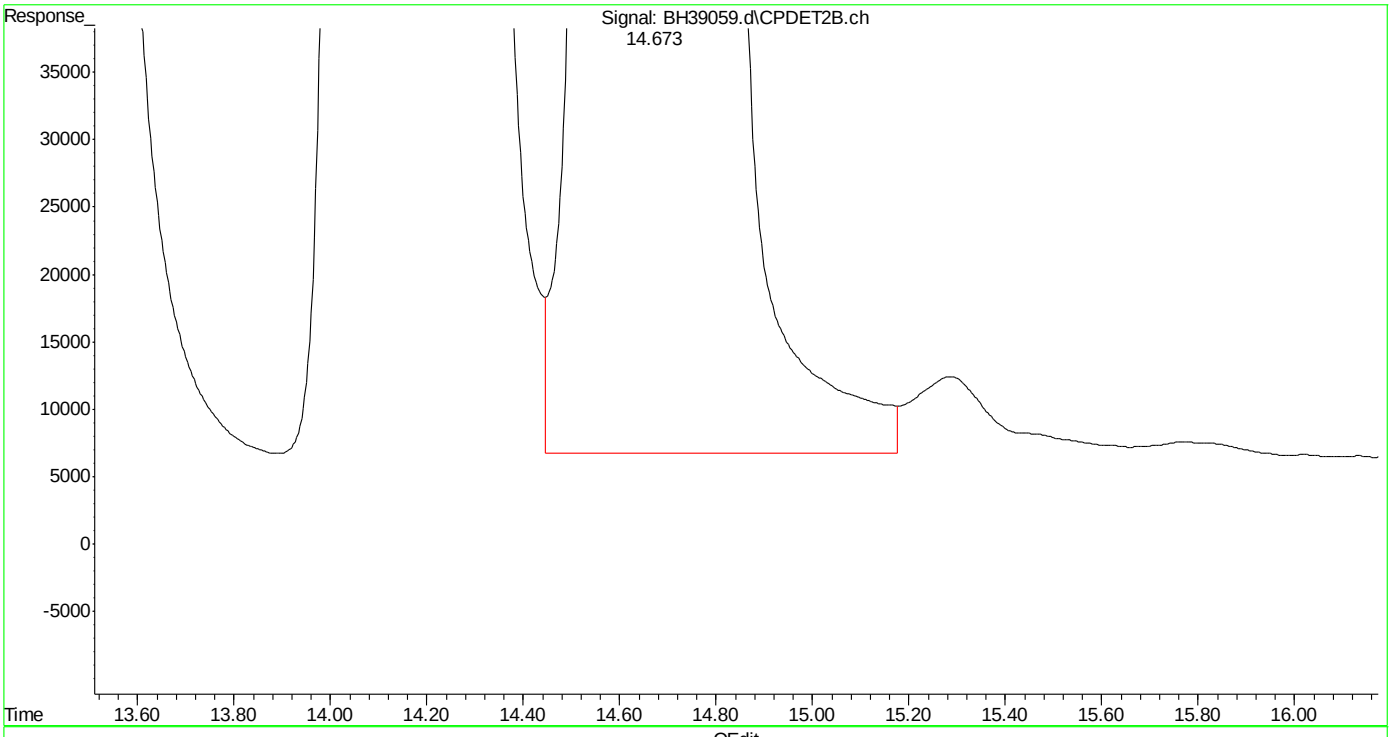
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.673min 980.960 ppb m
response 399523542

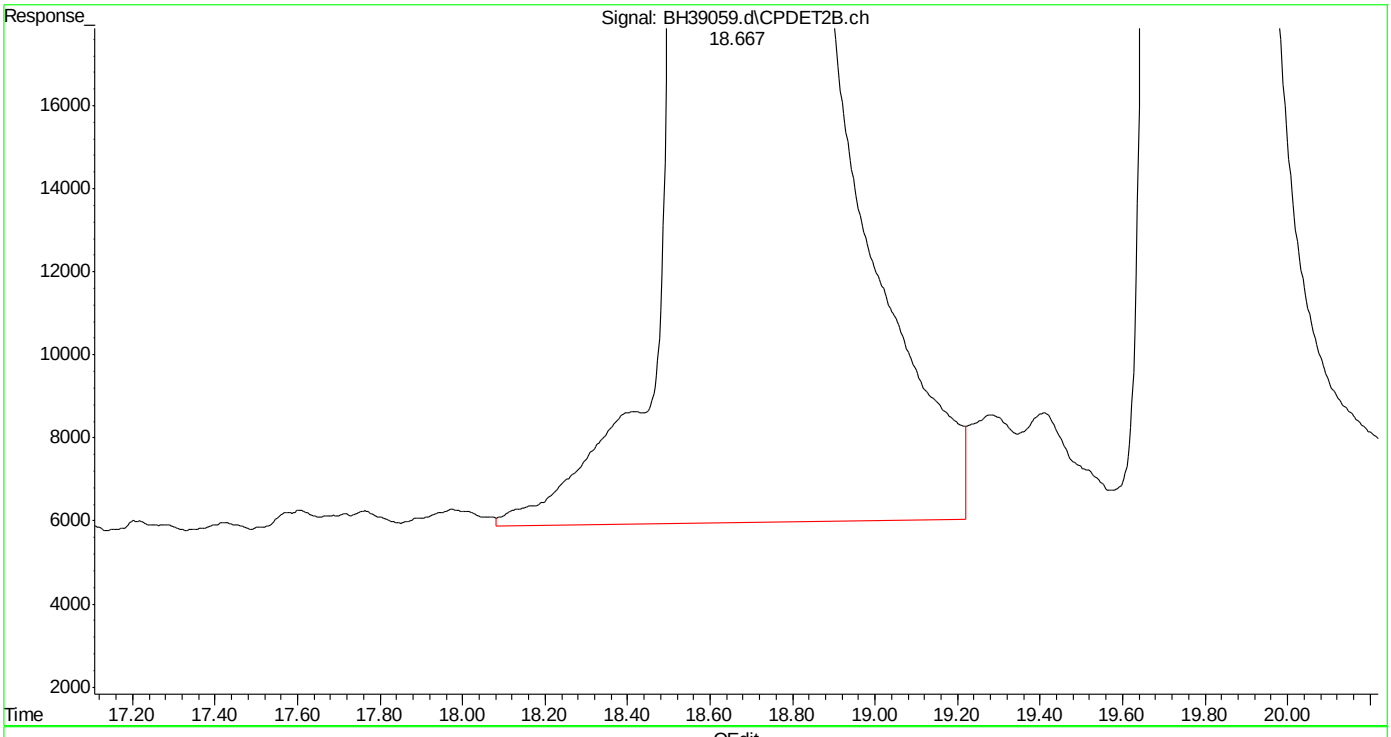
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:26 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.669min 979.132 ppb
response 605290000

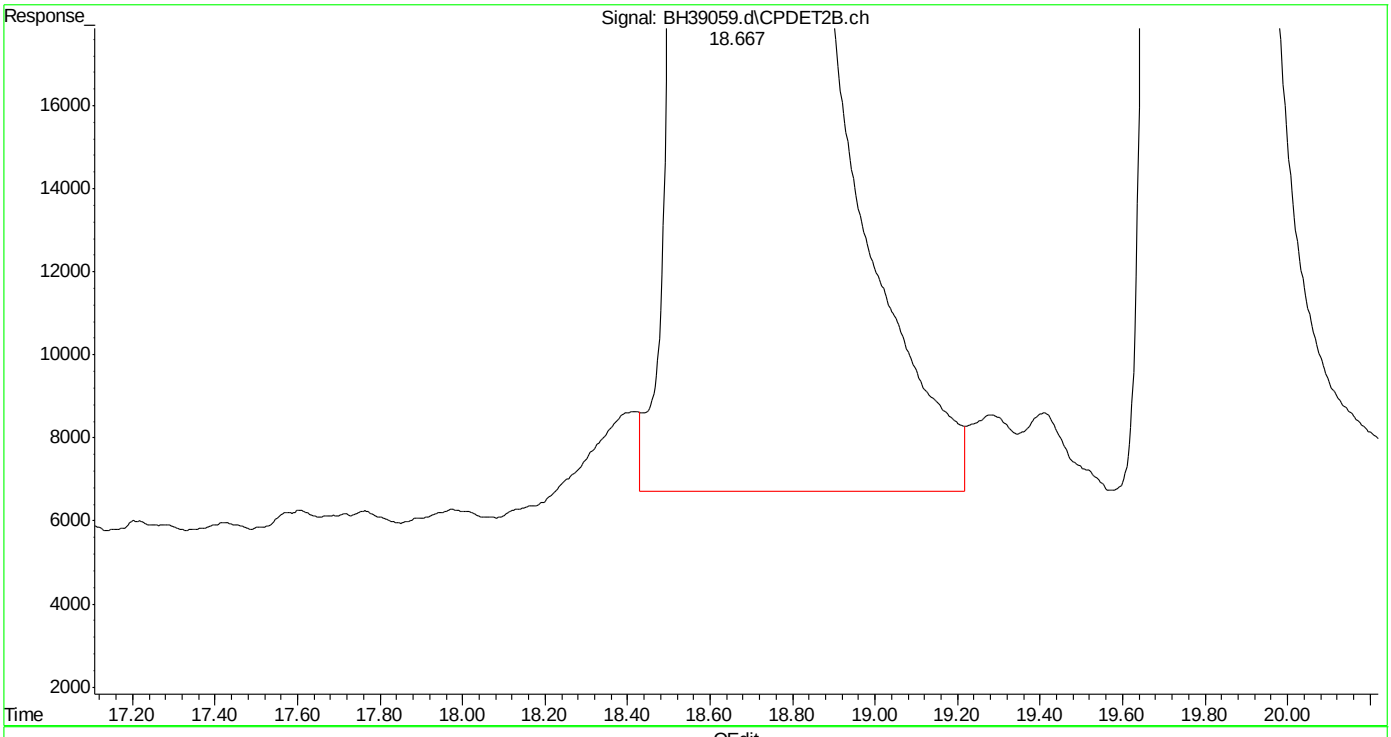
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:37 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.667min 978.136 ppb m
response 604674437

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:45 2016

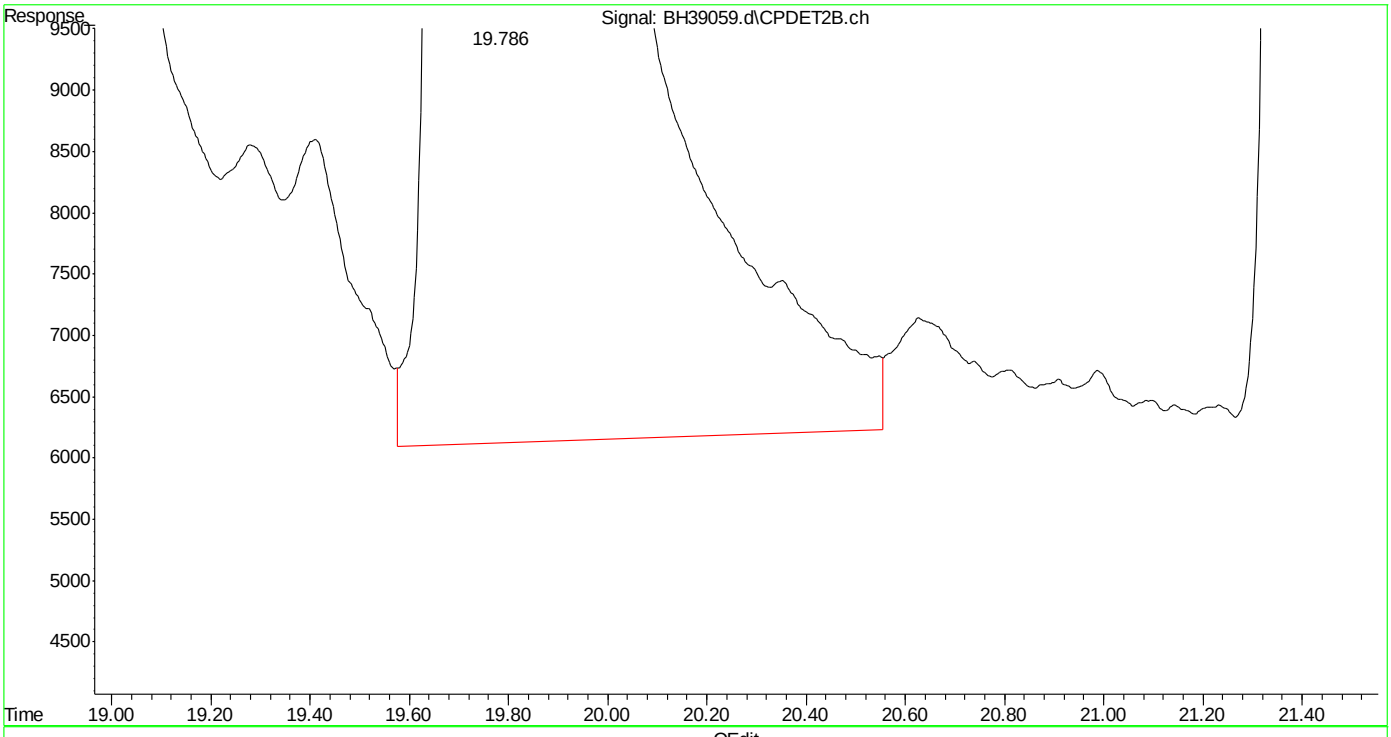
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.787min 992.334 ppb
response 252283169

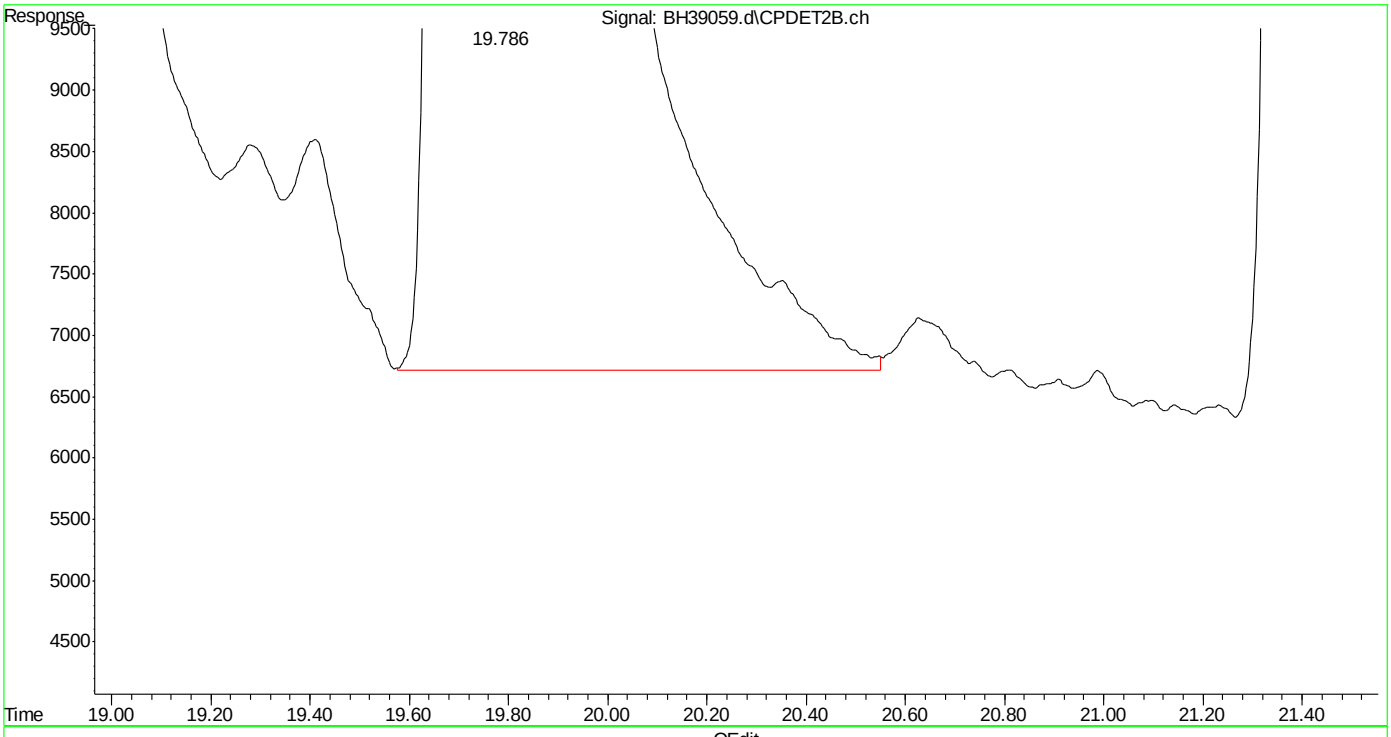
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:50 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 991.056 ppb m
response 251958217

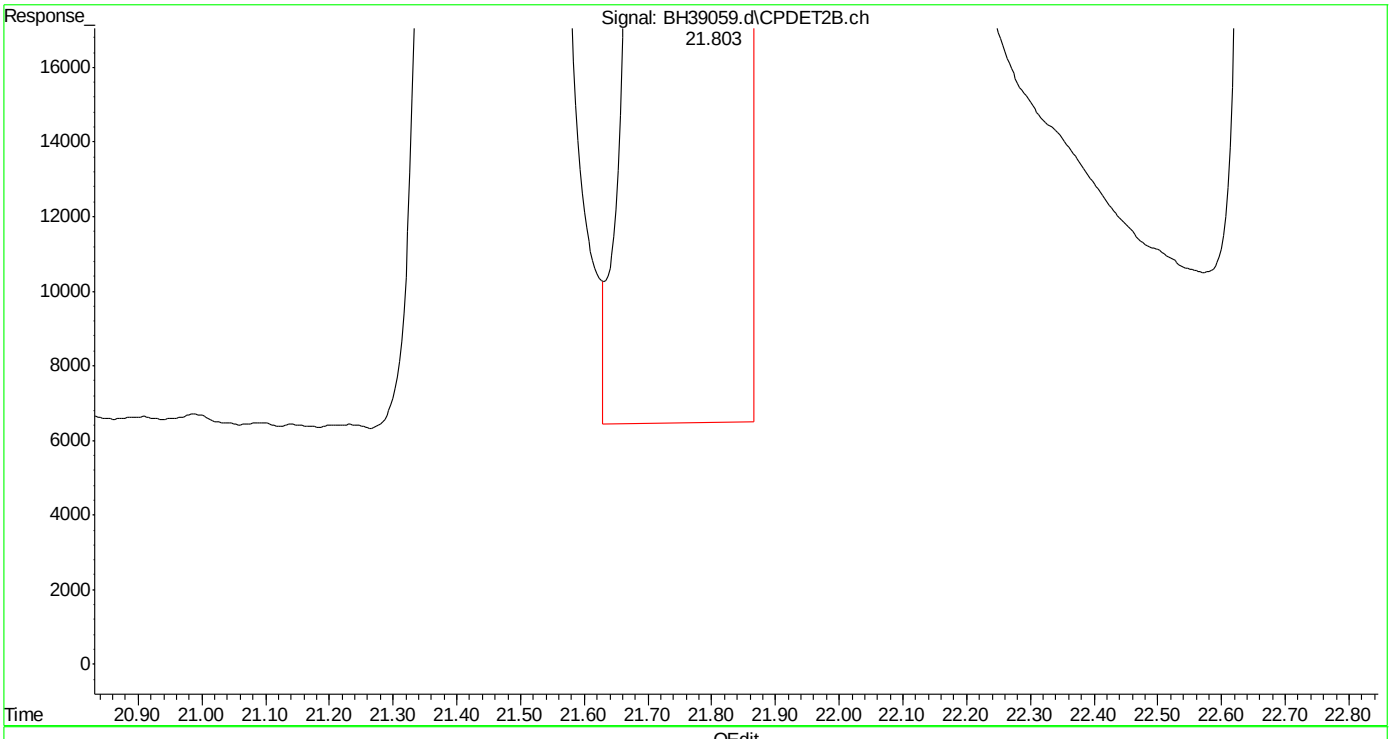
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:57 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.805min 1011.825 ppb
response 553007881

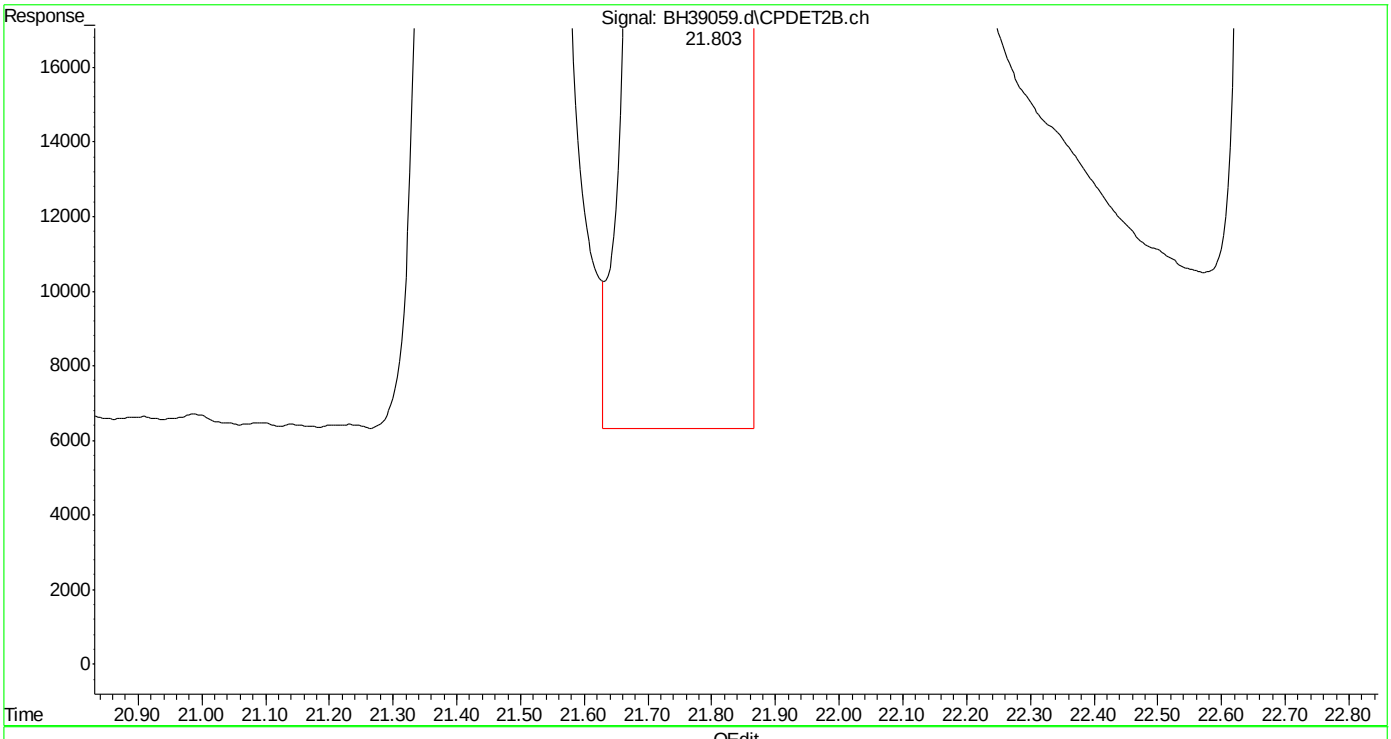
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.803min 1010.152 ppb m
response 552093381

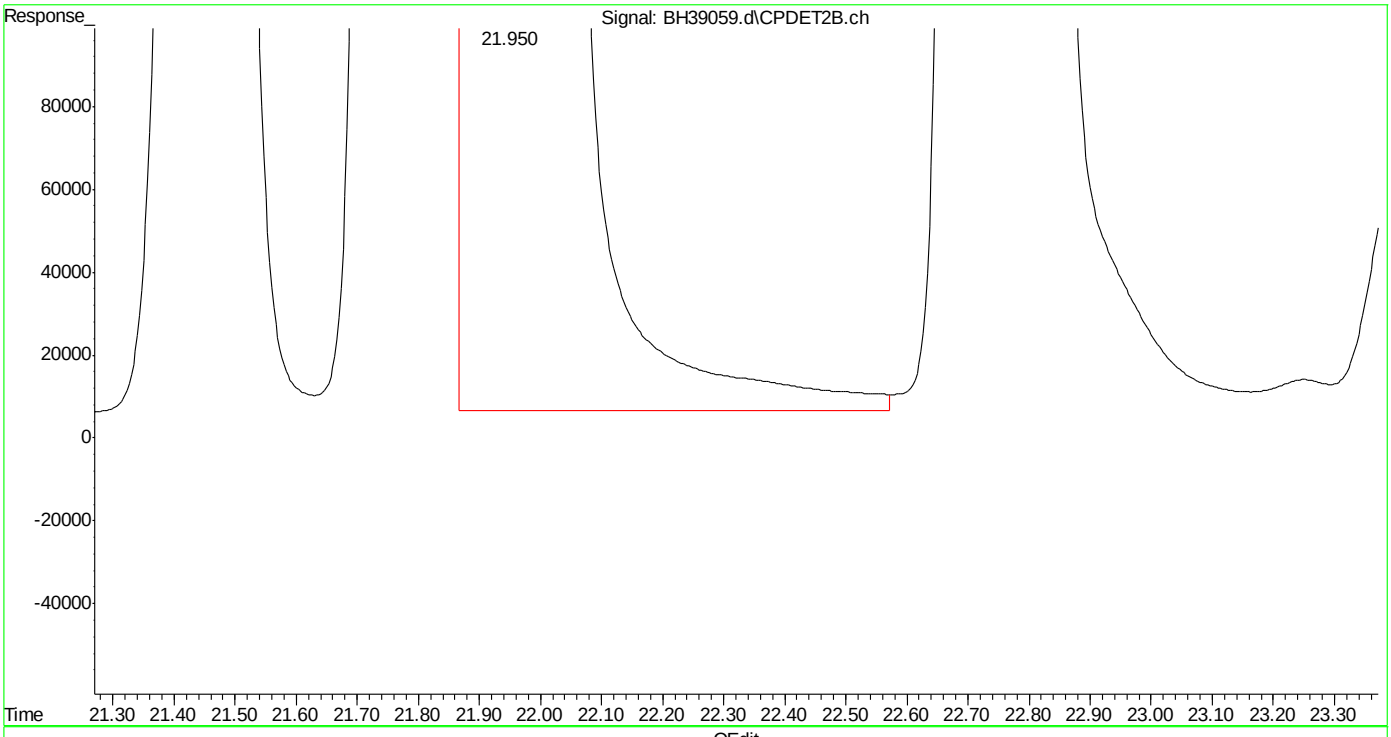
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:49:09 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(29) m,p-xylene #2 (t)

21.951min 1944.399 ppb

response 1300888661

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:49:14 2016

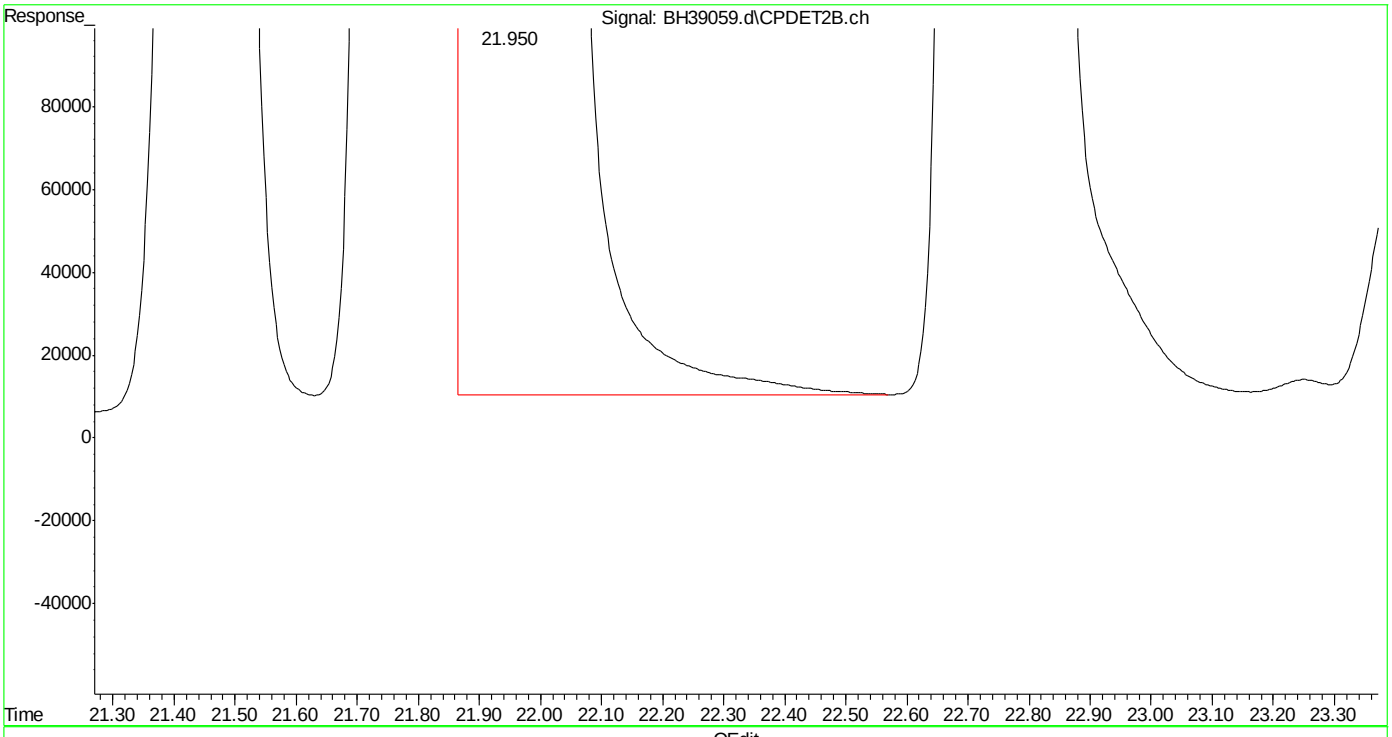
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(29) m,p-xylene #2 (t)

21.950min 1946.022 ppb m

response 1301974870

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:49:25 2016

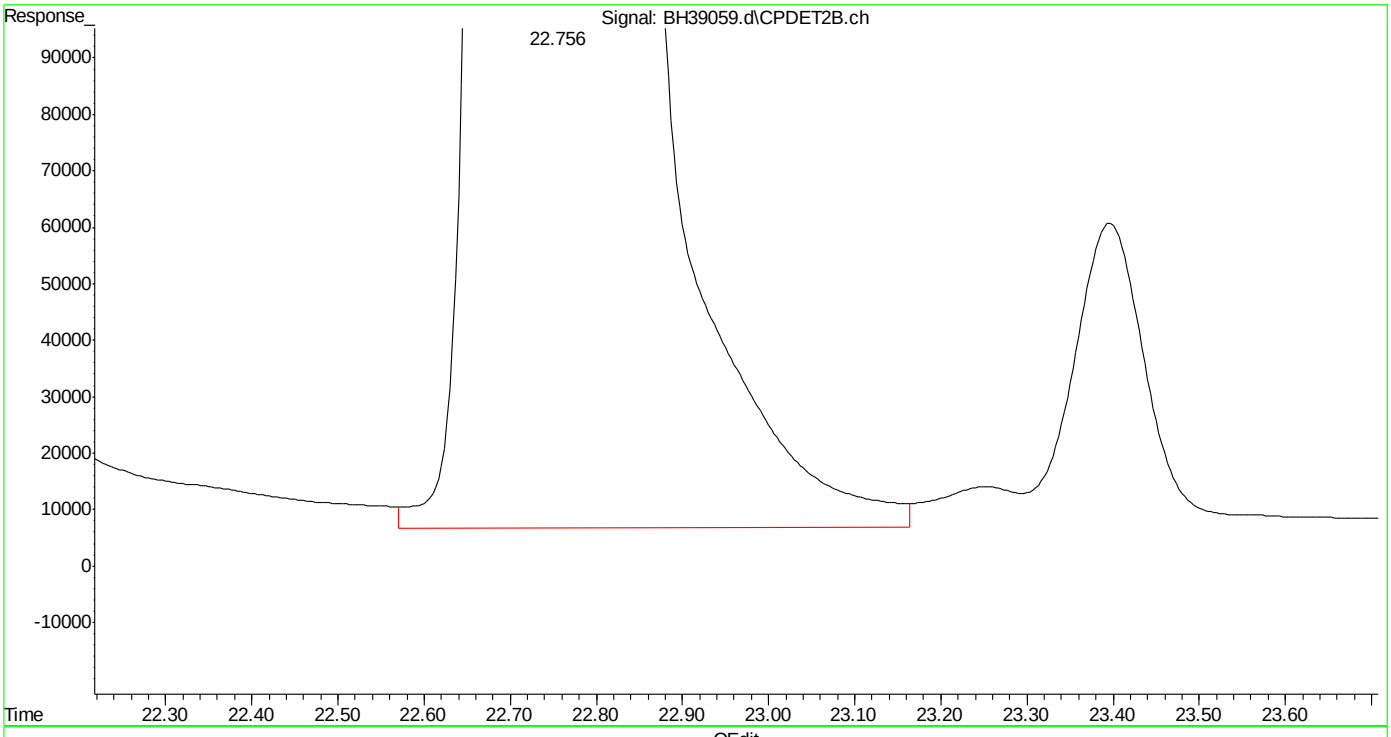
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.758min 985.838 ppb
response 574940704

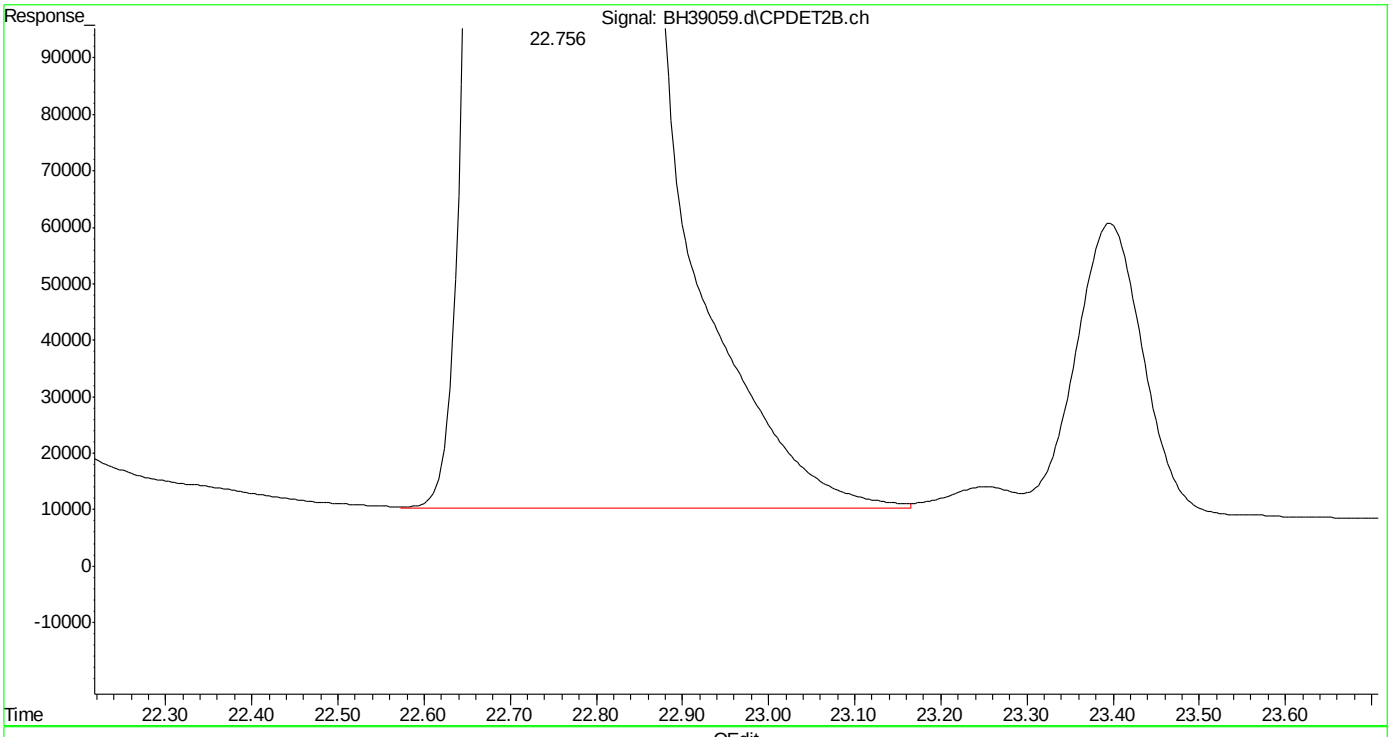
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:49:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.756min 983.737 ppb m
response 573715104

(+) = Expected Retention Time

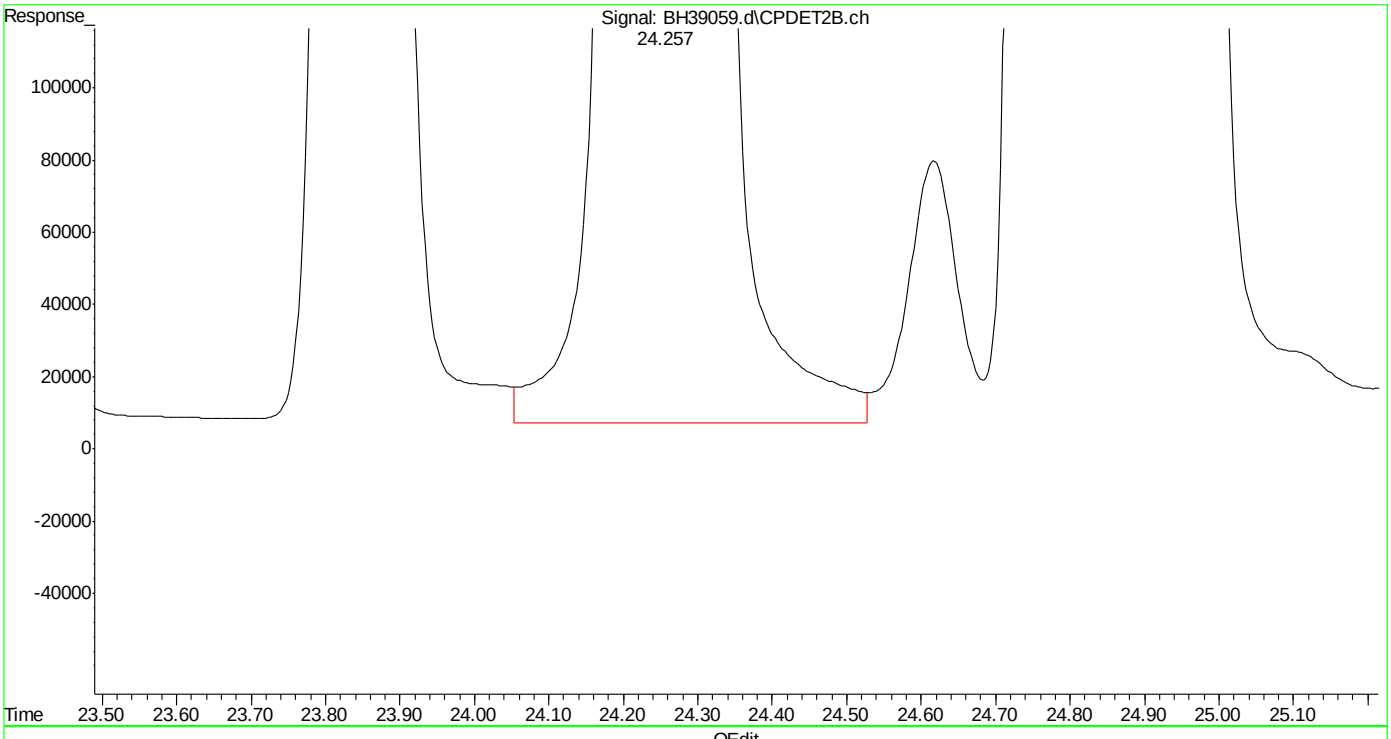
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(31) 1,3,5-trimethylbenzene #2 (t)

24.258min 940.277 ppb

response 791027836

(+) = Expected Retention Time

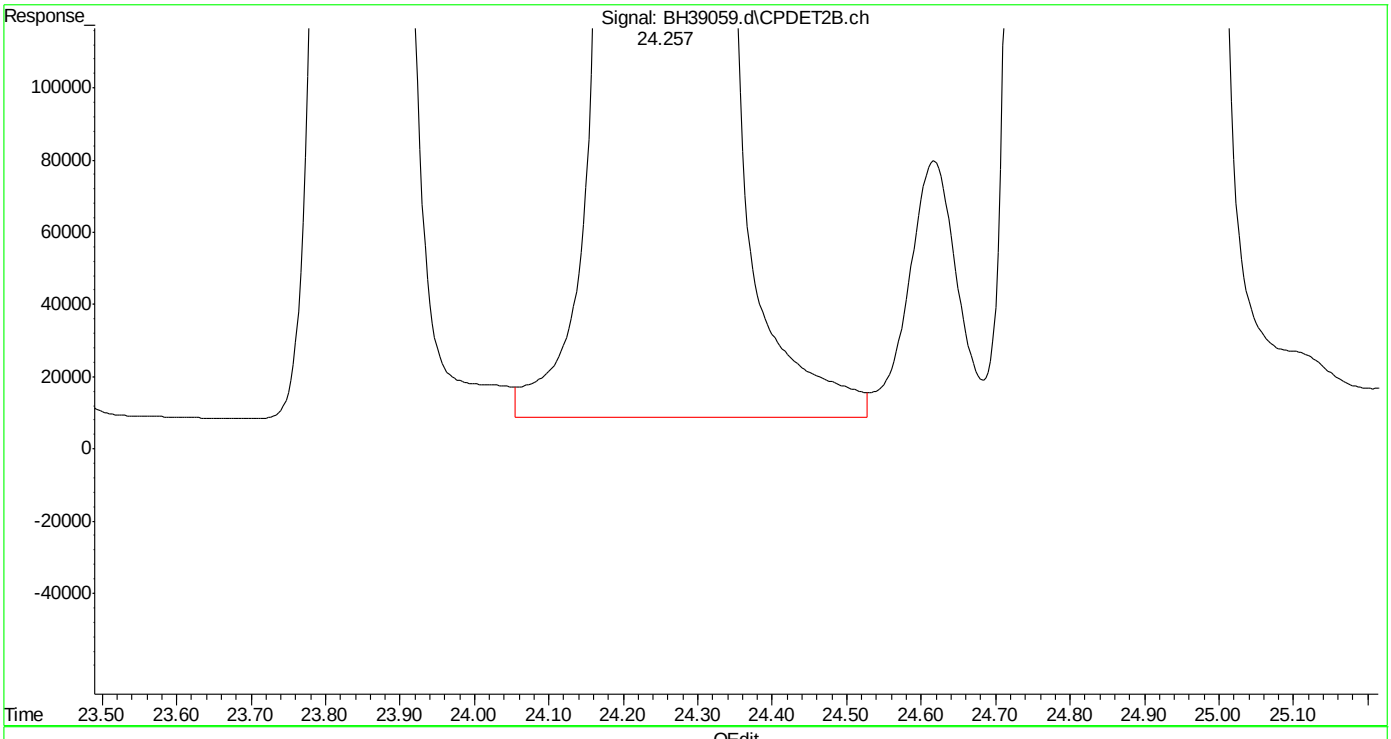
bh160420vphmaster.m Wed Apr 20 14:49:41 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.256min 939.809 ppb m
response 790634138

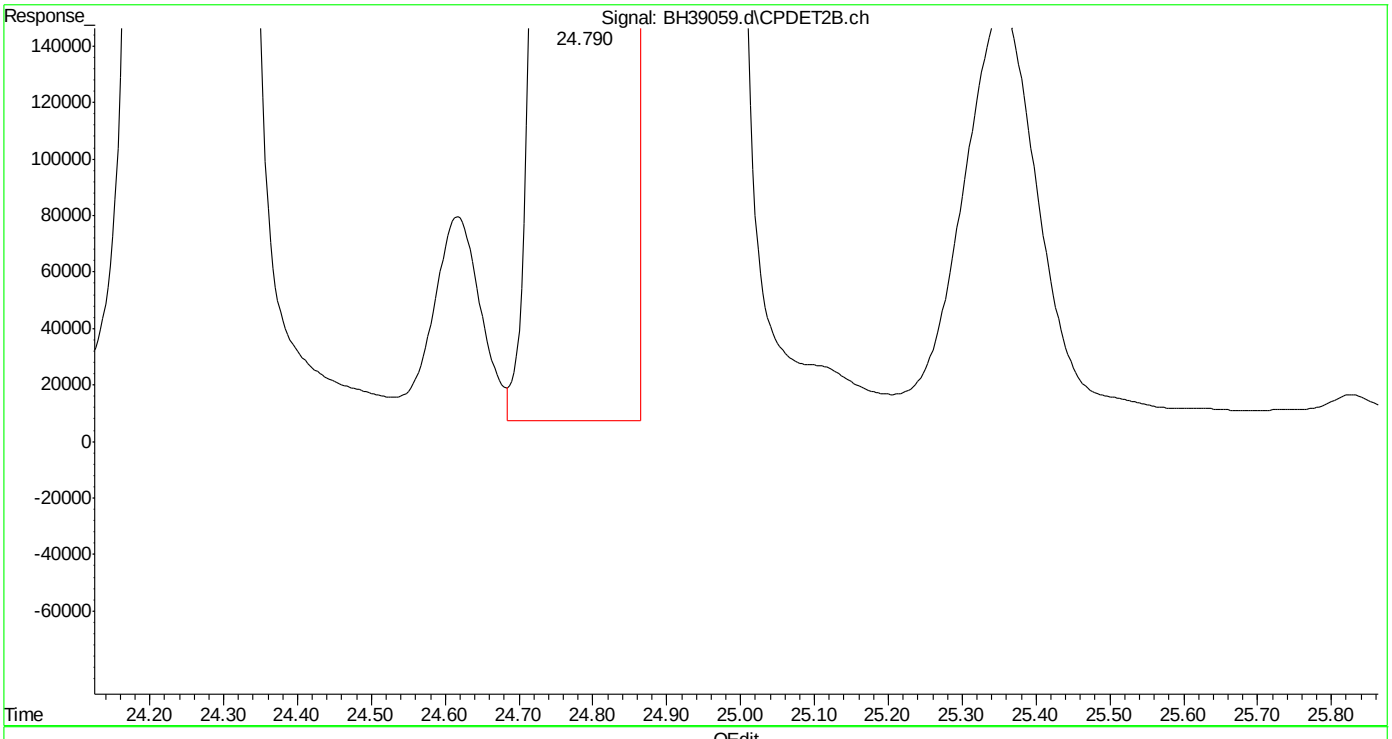
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:49:53 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.792min 930.380 ppb
response 604116878

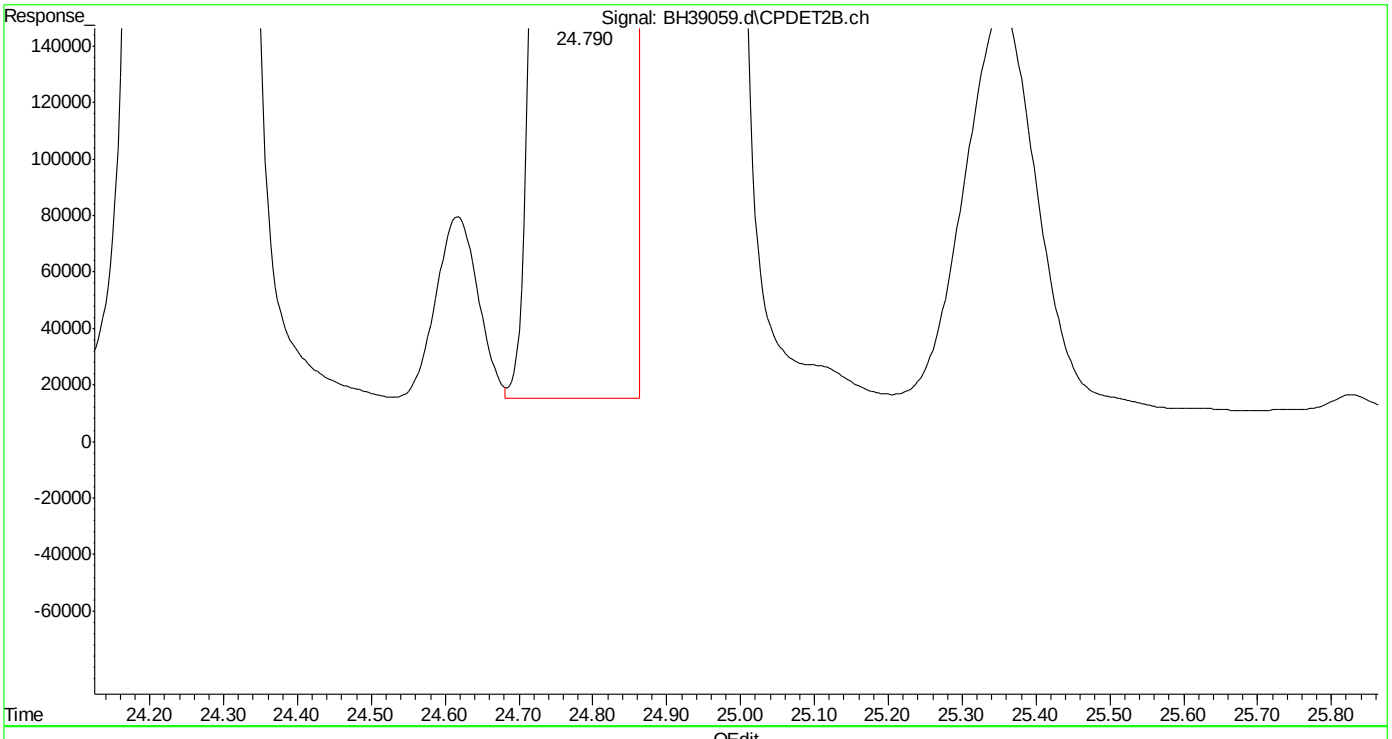
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.790min 927.912 ppb m
response 602514656

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:50:03 2016

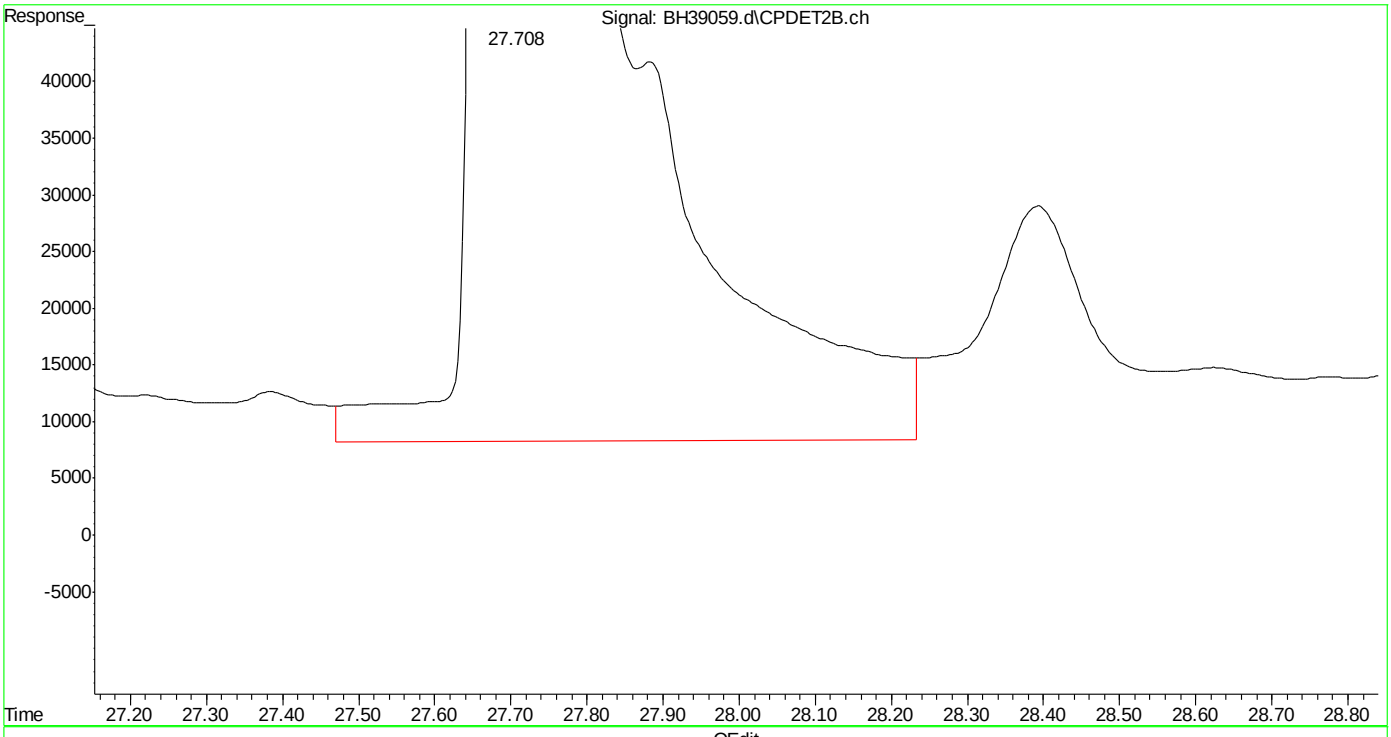
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.709min 812.702 ppb
response 453906735

(+) = Expected Retention Time

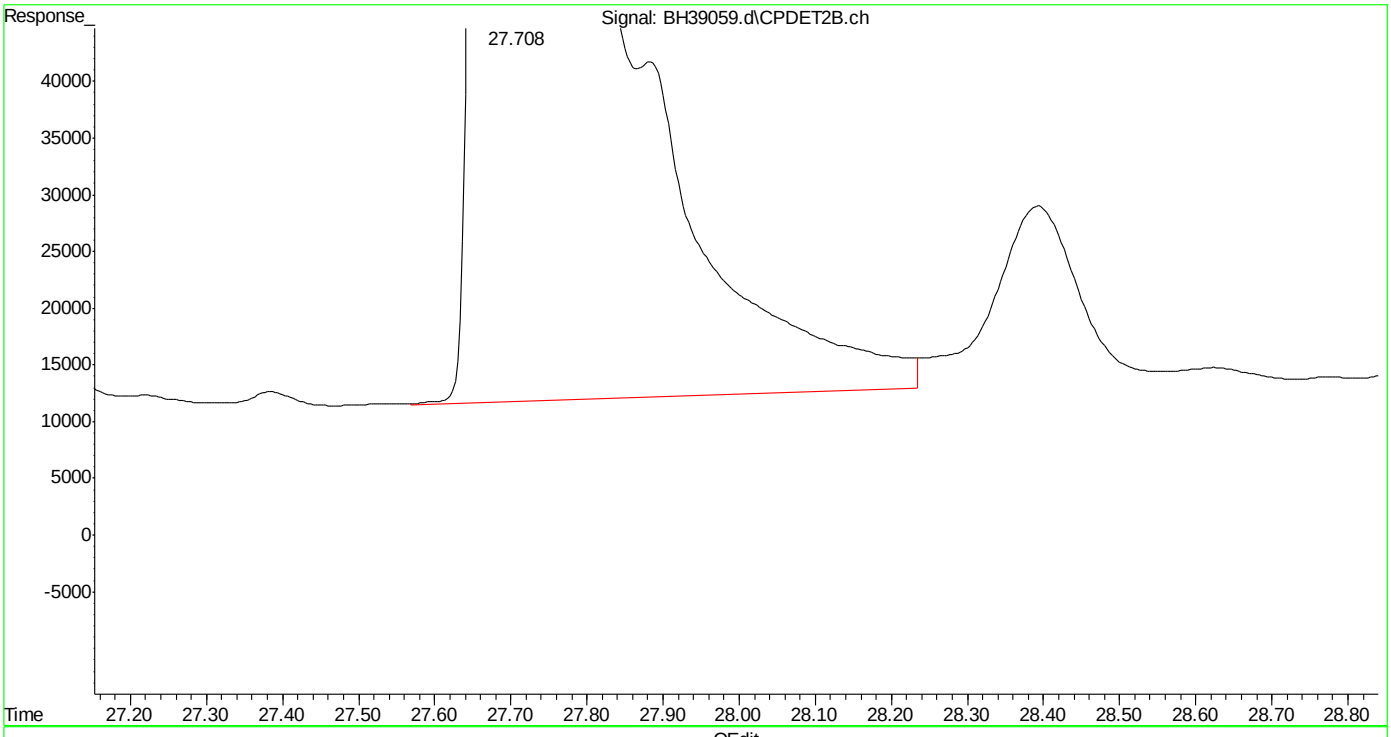
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 809.581 ppb m
response 452163550

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:43:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.671	461690194	491.085	ppb	m
Spiked Amount 50.000		Recovery = 982.17%			
9) s 2,3,4-trifluorotoluene	19.785	393170341	482.185	ppb	m
Spiked Amount 50.000		Recovery = 964.37%			
25) s fluorobenzene #2	14.670	201631236	494.374	ppb	m
Spiked Amount 50.000		Recovery = 988.75%			
27) s 2,3,4-trifluorotoluen...	19.785	124101670	486.495	ppb	m
Spiked Amount 50.000		Recovery = 972.99%			
Target Compounds					
1) h rt5.5-7	5.980	439813710	483.004	ppb	m
2) h rt7/10	8.250	488286377	477.549	ppb	m
3) t mtbe	9.014	296835088	473.631	ppb	m
4) h rt10/13	13.360	504235972	402.926	ppb	m
5) t benzene	14.170	584954609	483.098	ppb	
8) t toluene	18.666	598684560	492.564	ppb	m
11) h rt20/25	21.460	564756694	485.715	ppb	m
13) t ethylbenzene	21.801	606162413	505.663	ppb	m
14) t m,p-xylene	21.946	1267975817	1009.276	ppb	m
15) t o-xylene	22.755	640094130	499.097	ppb	m
16) h decane	23.856	589235505	498.974	ppb	m
17) t 1,3,5-trimethylbenzene	24.255	650427688	480.783	ppb	m
18) t 1,2,4-trimethylbenzene	24.790	638100435	464.629	ppb	m
19) h butylcyclohexane	24.940	613389026	482.581	ppb	m
20) t naphthalene	27.709	352846203	416.982	ppb	m
23) t mtbe #2	9.016	137613702	481.937	ppb	m
24) t benzene #2	14.169	318365520	478.763	ppb	m
26) t toluene #2	18.666	302027483	486.976	ppb	m
28) t ethylbenzene #2	21.800	274657681	502.899	ppb	m
29) t m,p-xylene #2	21.945	655811356	977.459	ppb	m
30) t o-xylene #2	22.755	286487107	490.006	ppb	m
31) t 1,3,5-trimethylbenzen...	24.254	399252346	471.160	ppb	m
32) t 1,2,4-trimethylbenzen...	24.789	303447138	463.006	ppb	m
33) t naphthalene #2	27.708	231271820	404.162	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	302363491	461.254	ppb	m

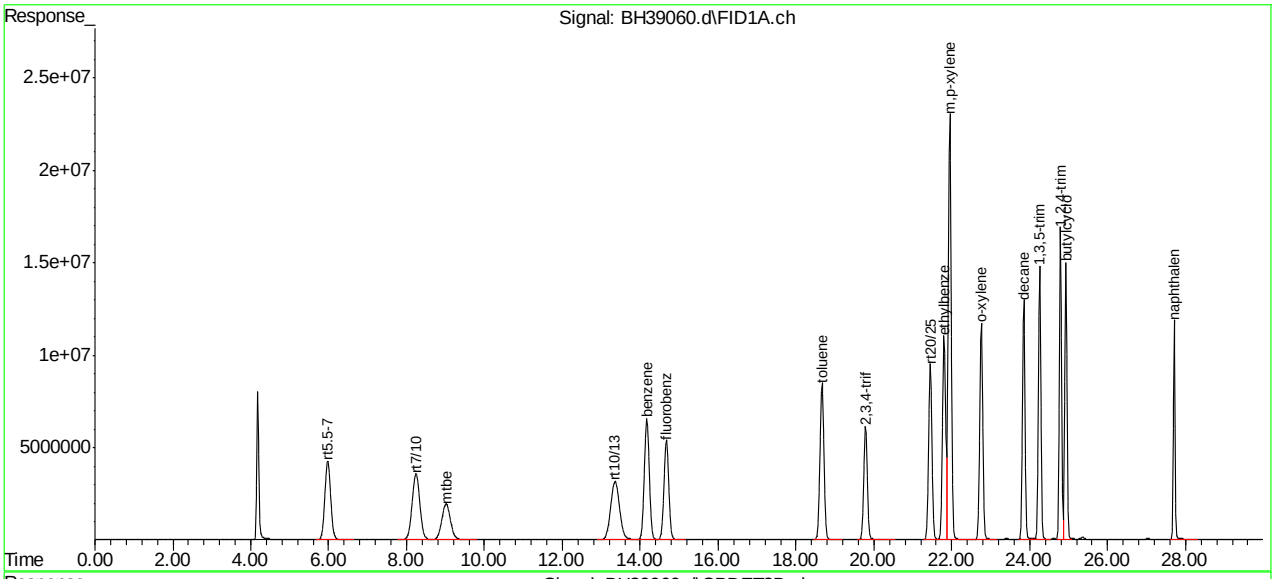
(f)=RT Delta > 1/2 Window (m)=manual int.

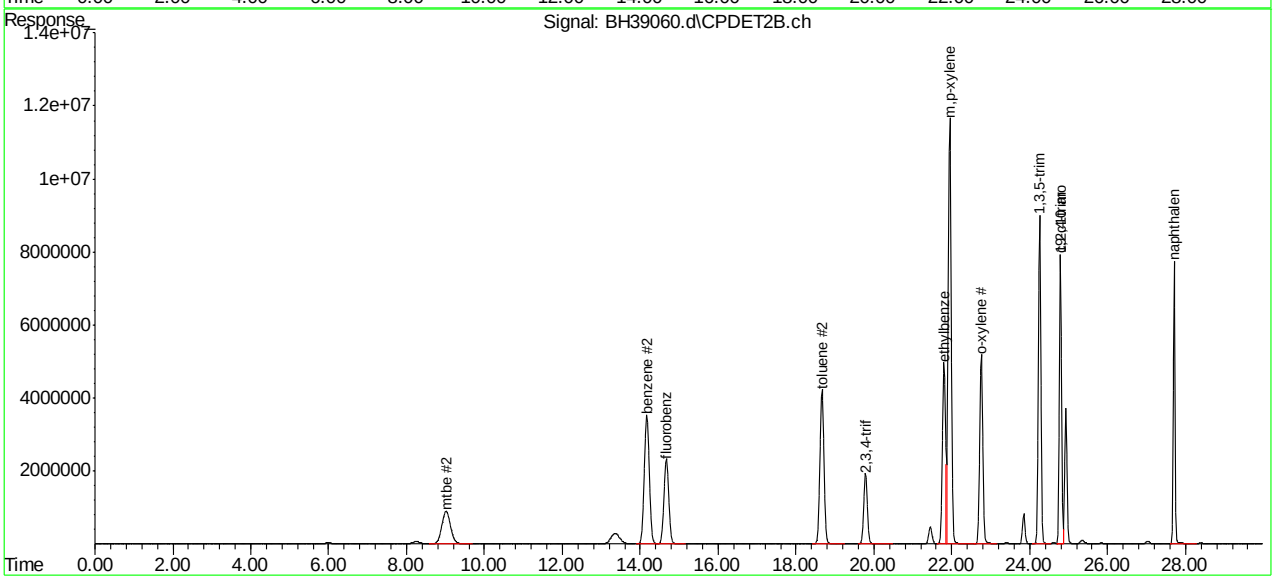
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

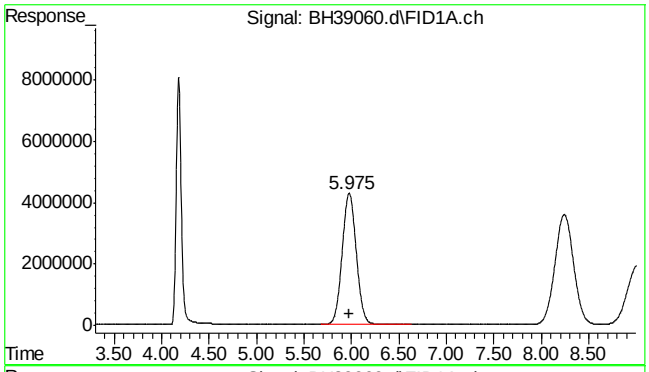
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:43:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



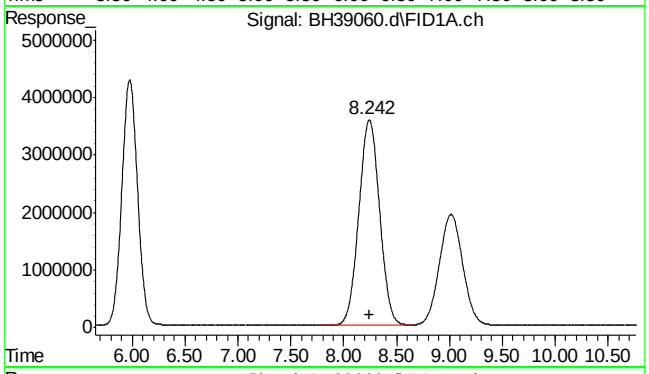


SGS ACCUTEST MC45754



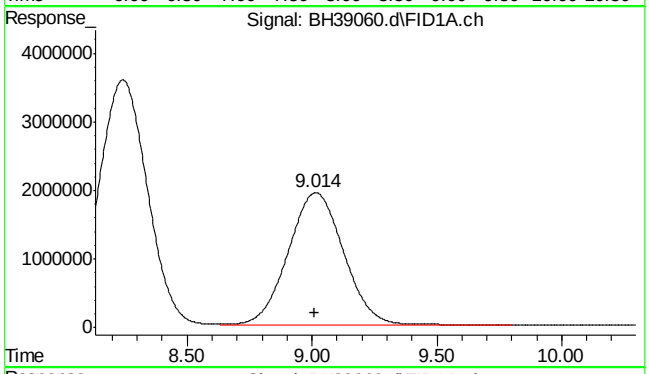
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 439813710
Conc: 483.00 ppb m



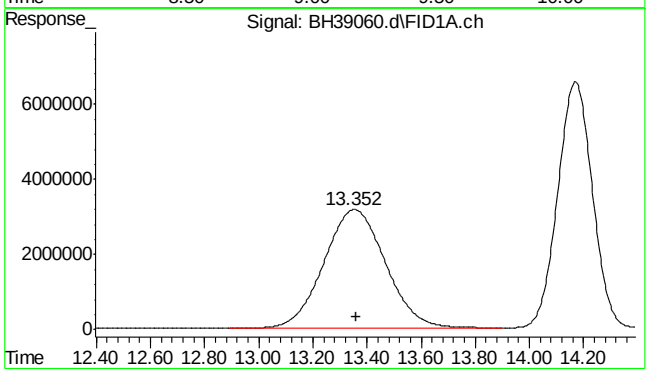
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 488286377
Conc: 477.55 ppb m



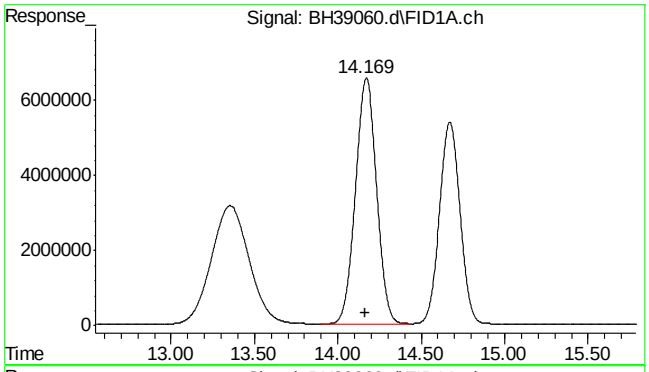
#3 mtbe

R.T.: 9.014 min
Delta R.T.: 0.001 min
Response: 296835088
Conc: 473.63 ppb m



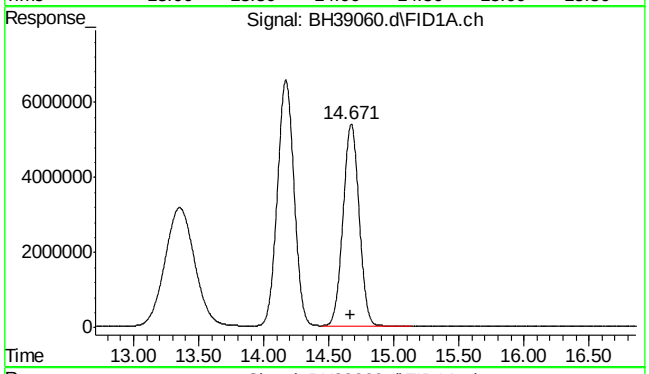
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 504235972
Conc: 402.93 ppb m



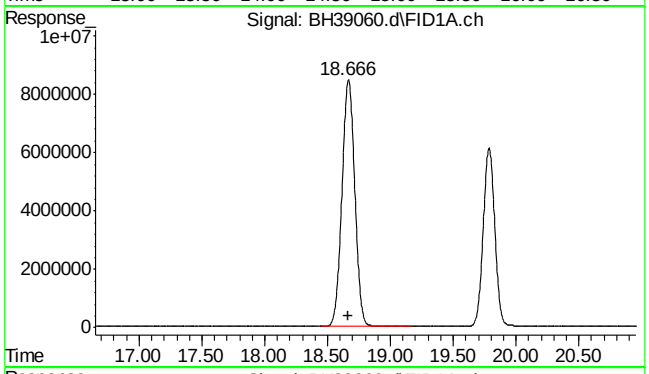
#5 benzene

R.T.: 14.170 min
Delta R.T.: 0.004 min
Response: 584954609
Conc: 483.10 ppb



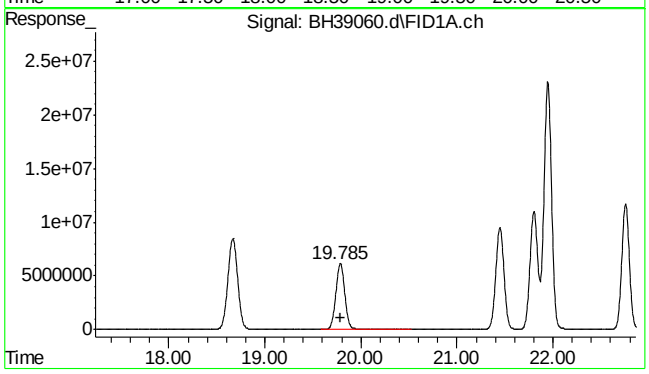
#6 fluorobenzene

R.T.: 14.671 min
Delta R.T.: 0.002 min
Response: 461690194
Conc: 491.09 ppb m



#8 toluene

R.T.: 18.666 min
Delta R.T.: 0.002 min
Response: 598684560
Conc: 492.56 ppb m



#9 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 393170341
Conc: 482.18 ppb m

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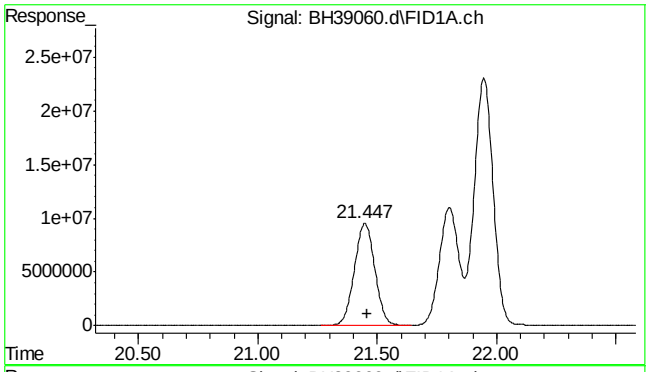
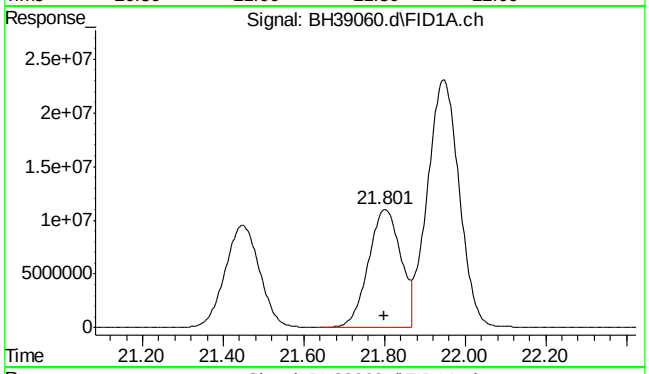


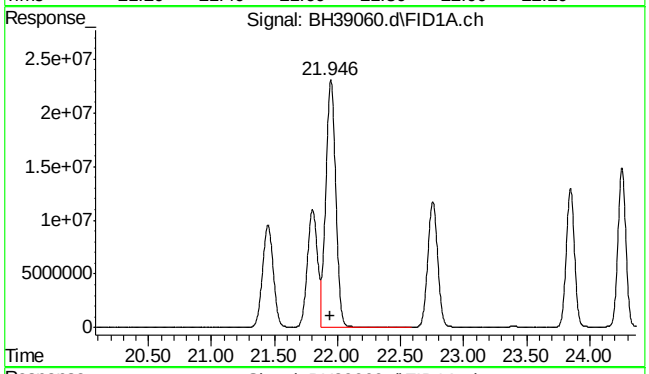
#11 rt20/25

```
      R.T.:   21.460 min
Delta R.T.:    0.000 min
  Response: 564756694
      Conc: 485.71 ppb m
```



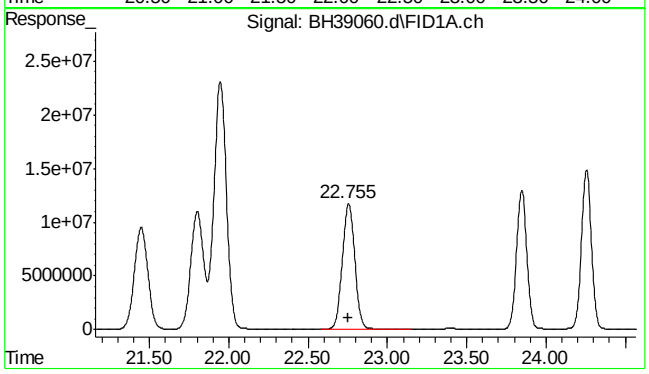
#13 ethylbenzene

```
      R.T.:   21.801 min
Delta R.T.:    0.003 min
  Response: 606162413
      Conc: 505.66 ppb m
```



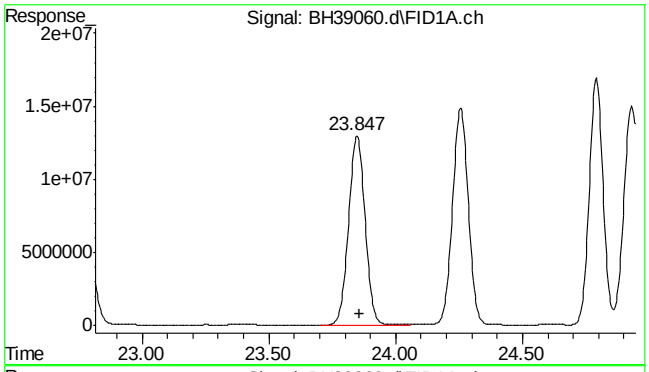
#14 m,p-xylene

```
      R.T.:   21.946 min
Delta R.T.:    0.004 min
  Response: 1267975817
      Conc: 1009.28 ppb m
```



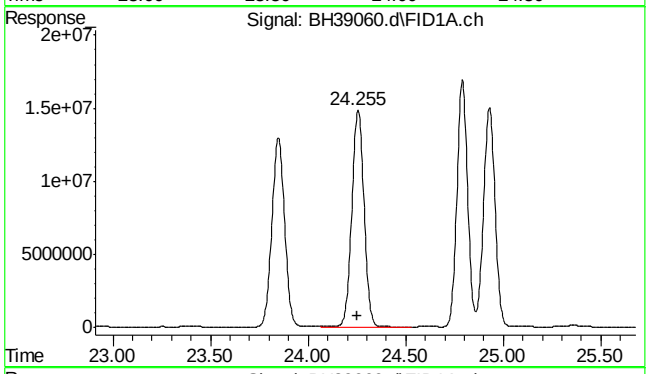
#15 o-xylene

```
      R.T.:   22.755 min
Delta R.T.:    0.002 min
  Response: 640094130
      Conc: 499.10 ppb m
```



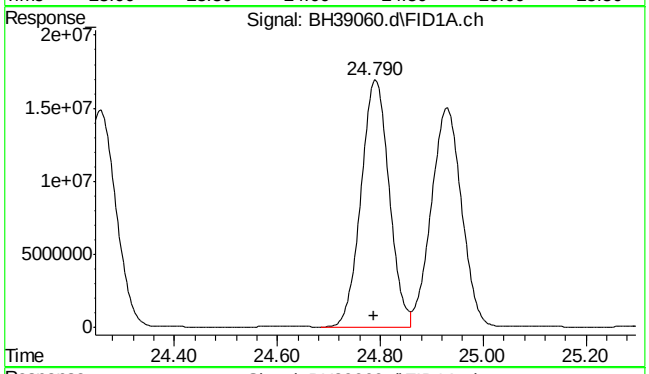
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 589235505
Conc: 498.97 ppb m



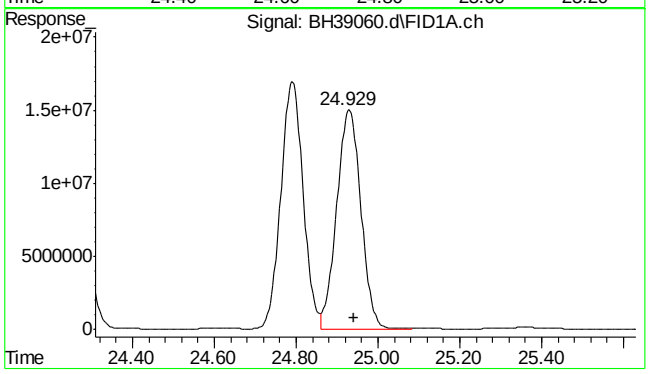
#17 1,3,5-trimethylbenzene

R.T.: 24.255 min
Delta R.T.: 0.003 min
Response: 650427688
Conc: 480.78 ppb m



#18 1,2,4-trimethylbenzene

R.T.: 24.790 min
Delta R.T.: 0.002 min
Response: 638100435
Conc: 464.63 ppb m



#19 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 613389026
Conc: 482.58 ppb m

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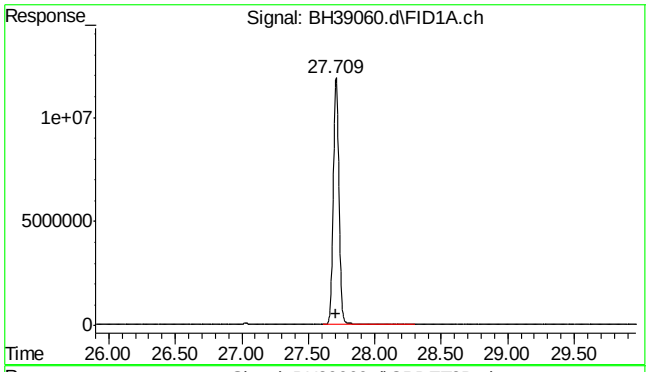
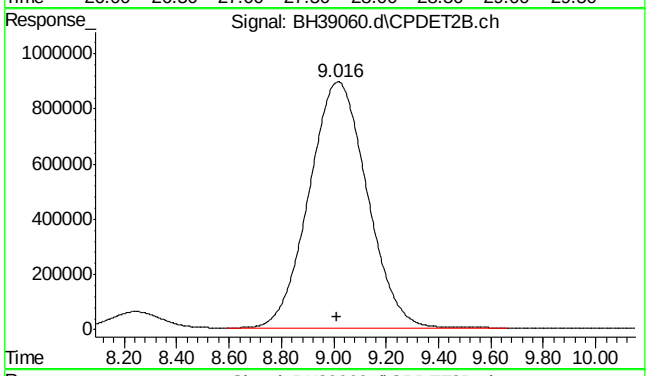


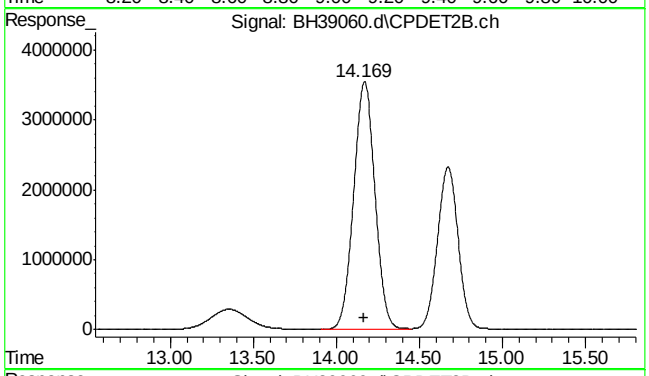
#20 naphthalene

R.T.: 27.709 min
Delta R.T.: 0.002 min
Response: 352846203
Conc: 416.98 ppb m



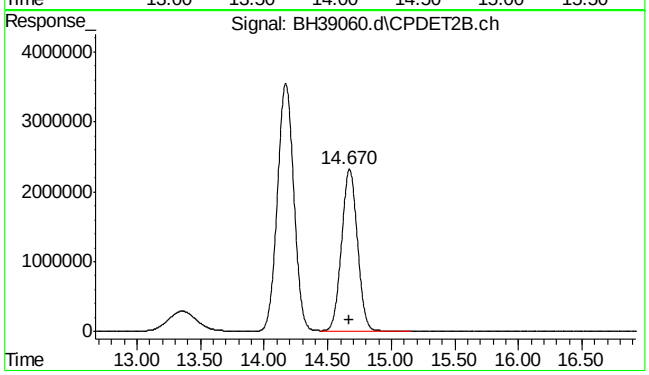
#23 mtbe #2

R.T.: 9.016 min
Delta R.T.: 0.003 min
Response: 137613702
Conc: 481.94 ppb m



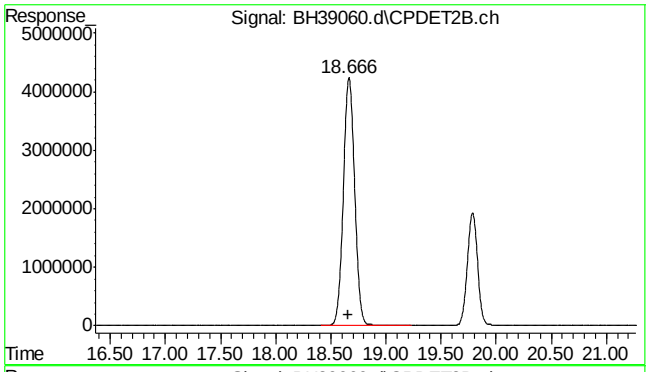
#24 benzene #2

R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 318365520
Conc: 478.76 ppb m



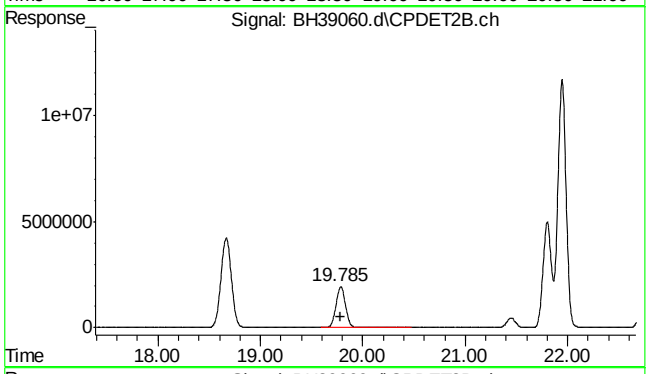
#25 fluorobenzene #2

R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 201631236
Conc: 494.37 ppb m



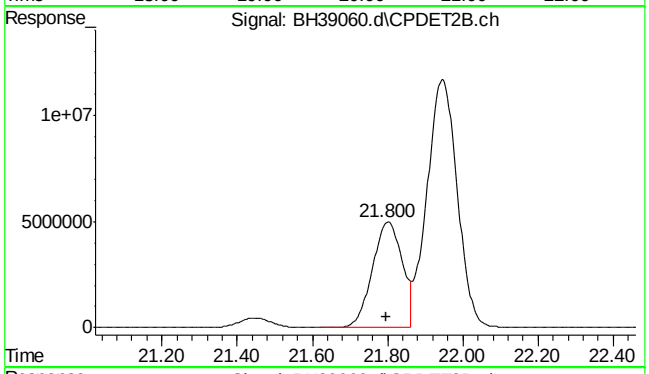
#26 toluene #2

R.T.: 18.666 min
Delta R.T.: 0.002 min
Response: 302027483
Conc: 486.98 ppb m



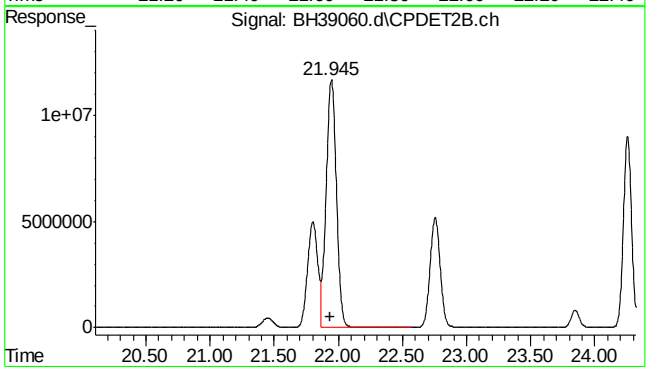
#27 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 124101670
Conc: 486.50 ppb m



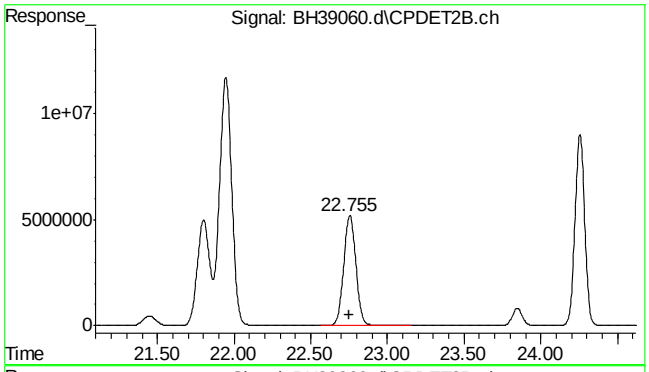
#28 ethylbenzene #2

R.T.: 21.800 min
Delta R.T.: 0.003 min
Response: 274657681
Conc: 502.90 ppb m



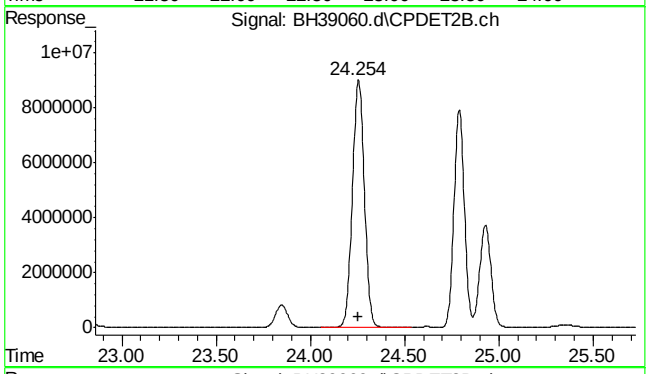
#29 m,p-xylene #2

R.T.: 21.945 min
Delta R.T.: 0.004 min
Response: 655811356
Conc: 977.46 ppb m



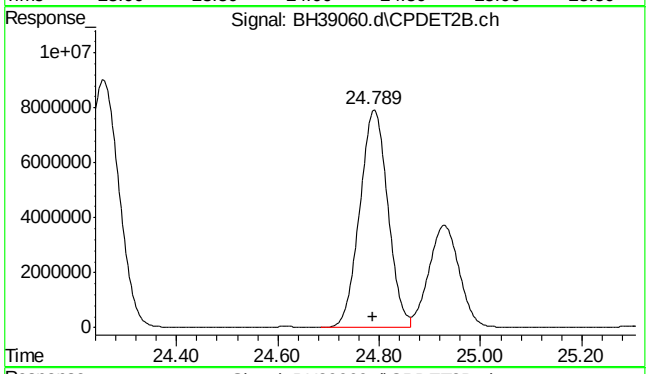
#30 o-xylene #2

R.T.: 22.755 min
Delta R.T.: 0.002 min
Response: 286487107
Conc: 490.01 ppb m



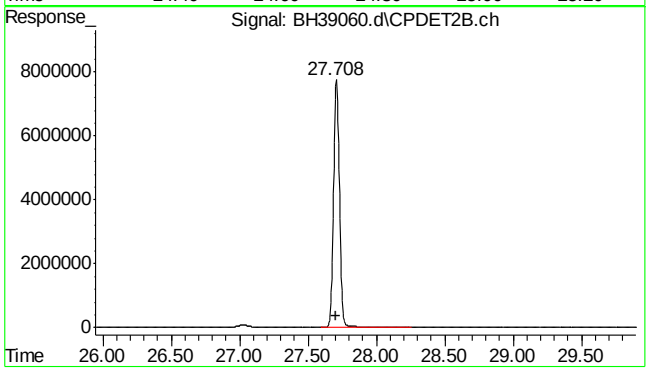
#31 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.002 min
Response: 399252346
Conc: 471.16 ppb m



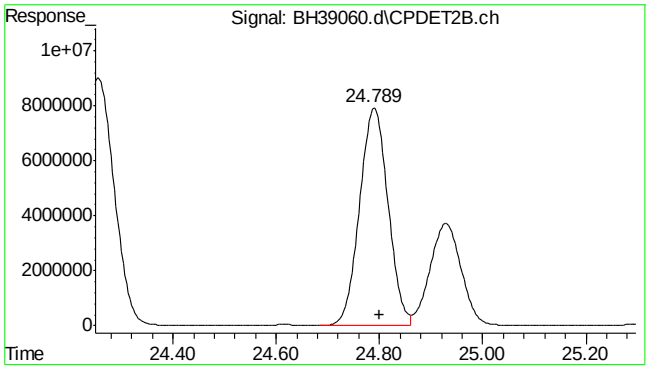
#32 1,2,4-trimethylbenzene #2

R.T.: 24.789 min
Delta R.T.: 0.002 min
Response: 303447138
Conc: 463.01 ppb m



#33 naphthalene #2

R.T.: 27.708 min
Delta R.T.: 0.002 min
Response: 231271820
Conc: 404.16 ppb m



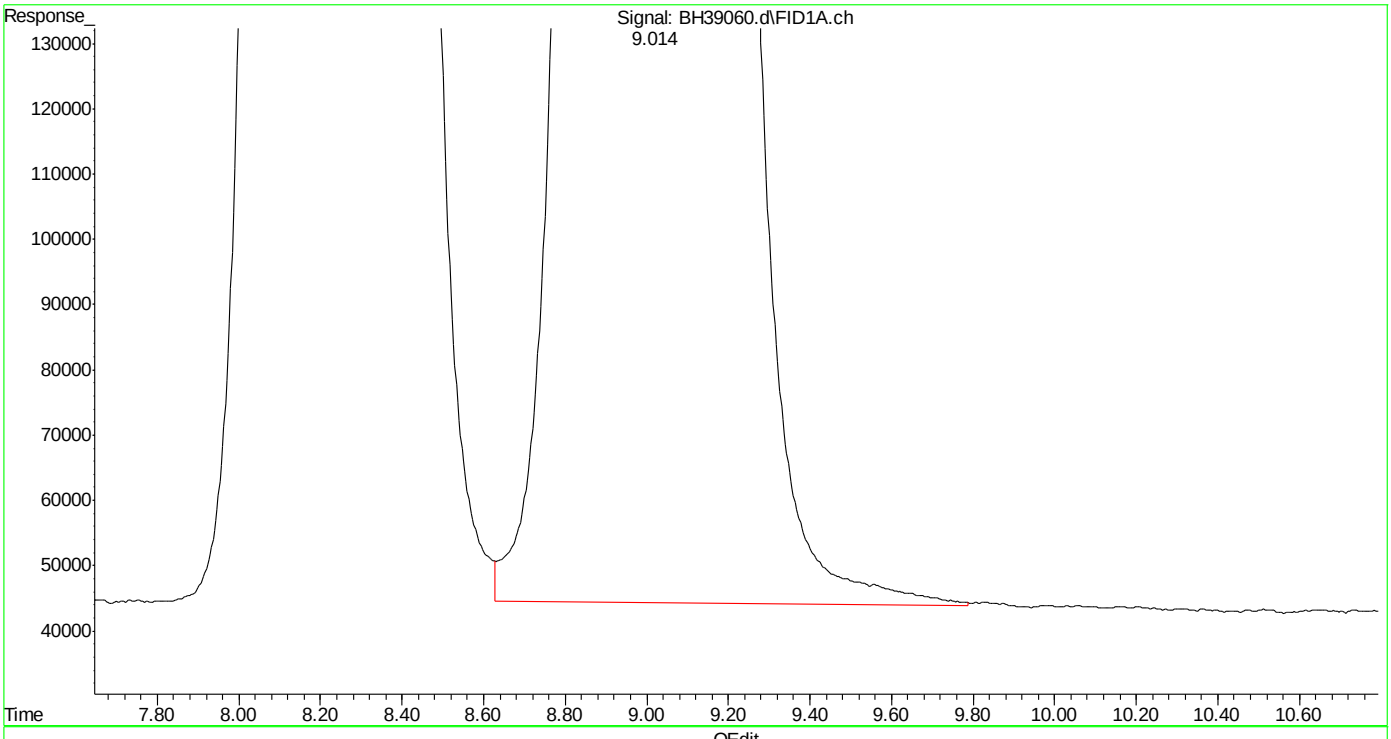

```
#34  c9-c10 arom as 1,2,4-tmb

      R.T.:   24.800 min
Delta R.T.:    0.000 min
  Response: 302363491
      Conc: 461.25 ppb m
```

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 10:14:42 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 06 14:30:22 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.014min 592.308 ppb m
response 296673938

(+) = Expected Retention Time

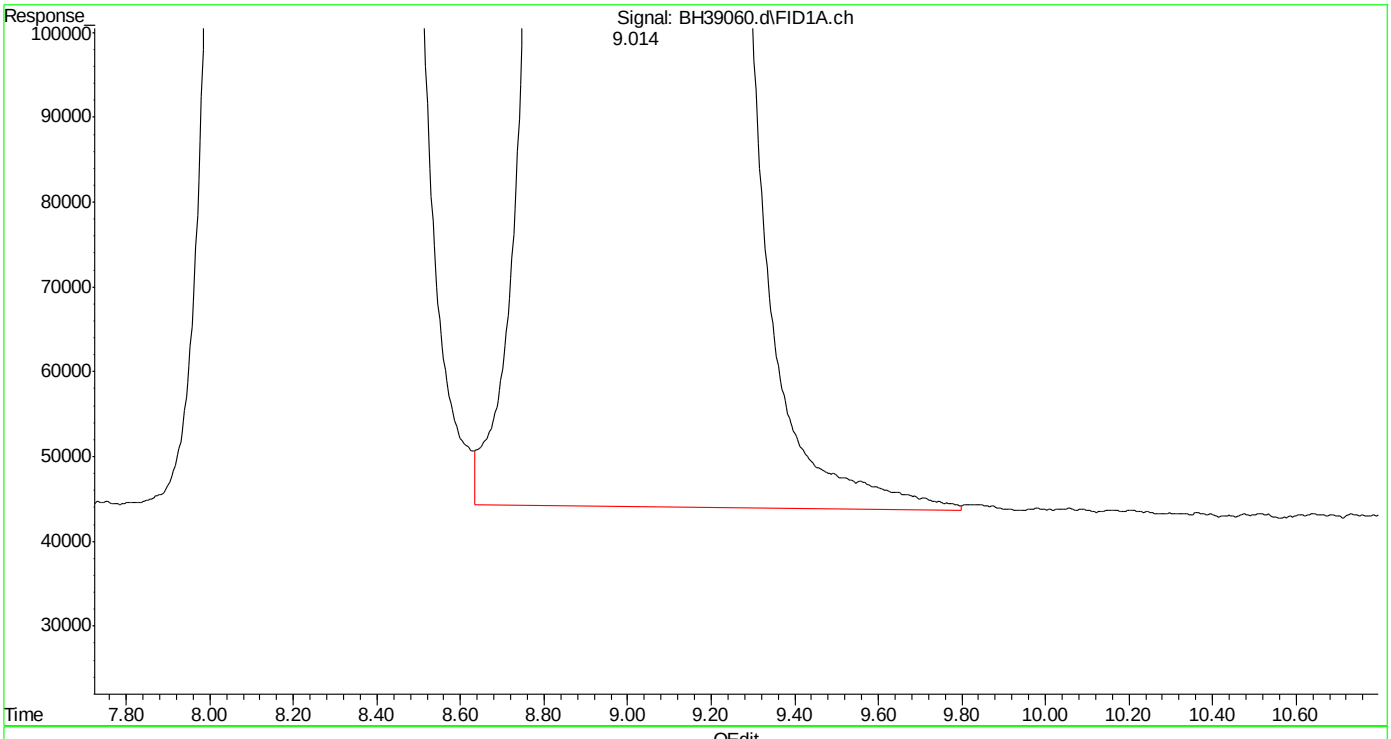
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.014min 473.631 ppb m
response 296835088

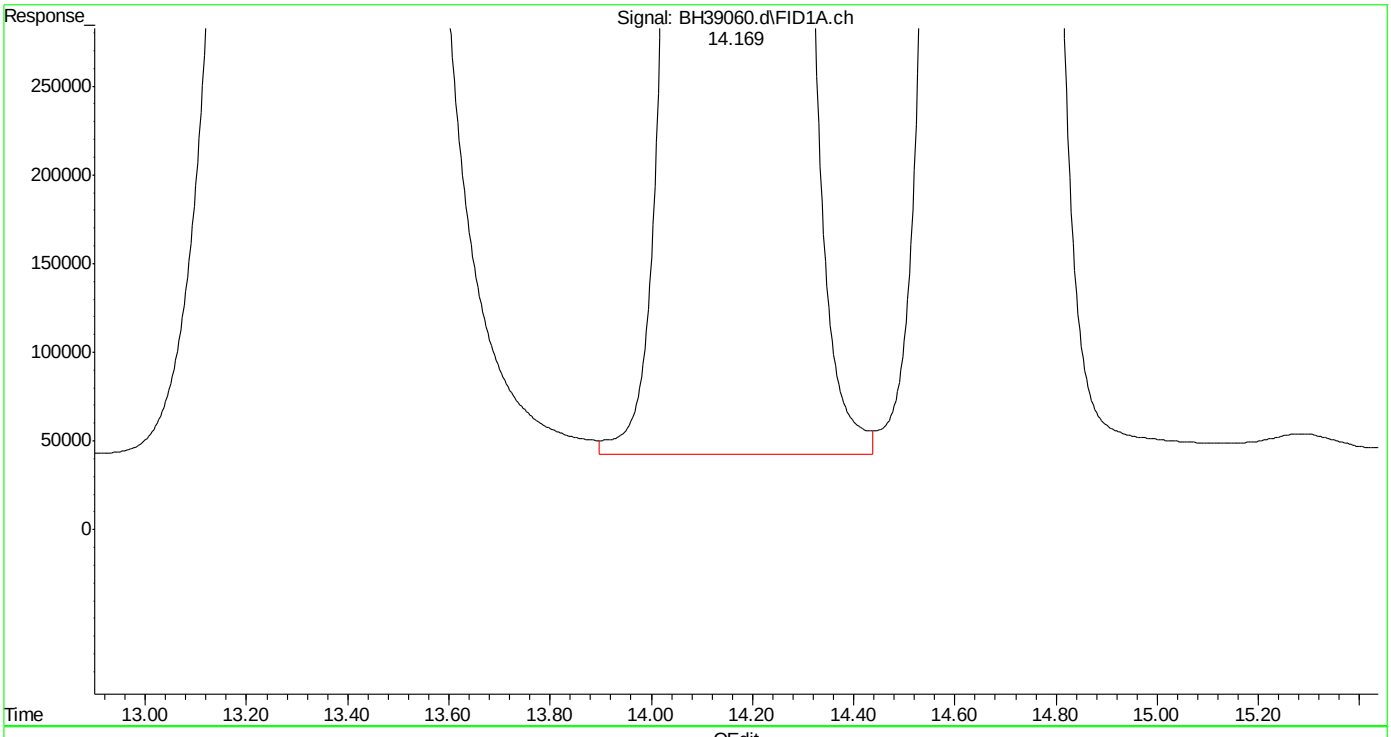
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:37:56 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



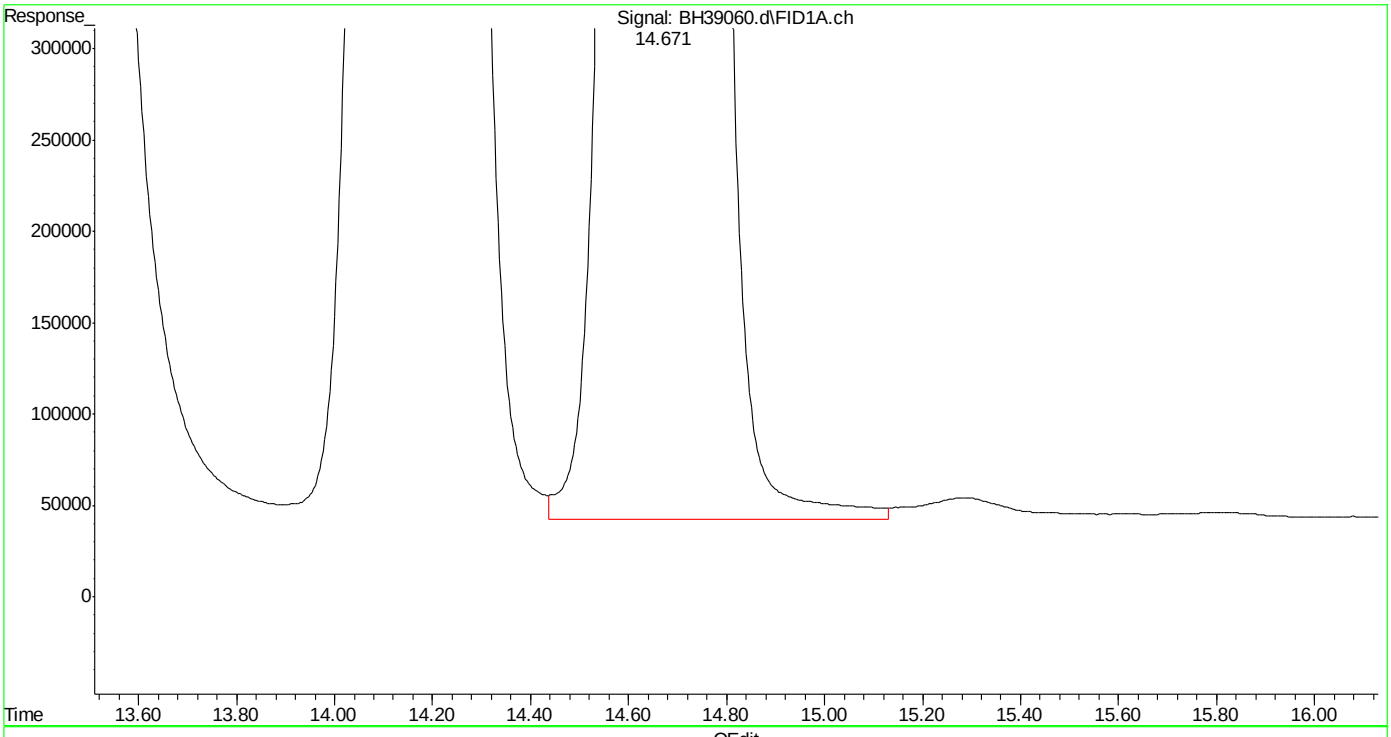
(5) benzene (t)
14.170min 483.098 ppb
response 584954609

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:09 2016 Page: 1

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:38 am
Operator  : danielf
Sample    : ic2295-500
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(6) fluorobenzene (s)

14.673min 493.835 ppb

response 464275480

(+) = Expected Retention Time

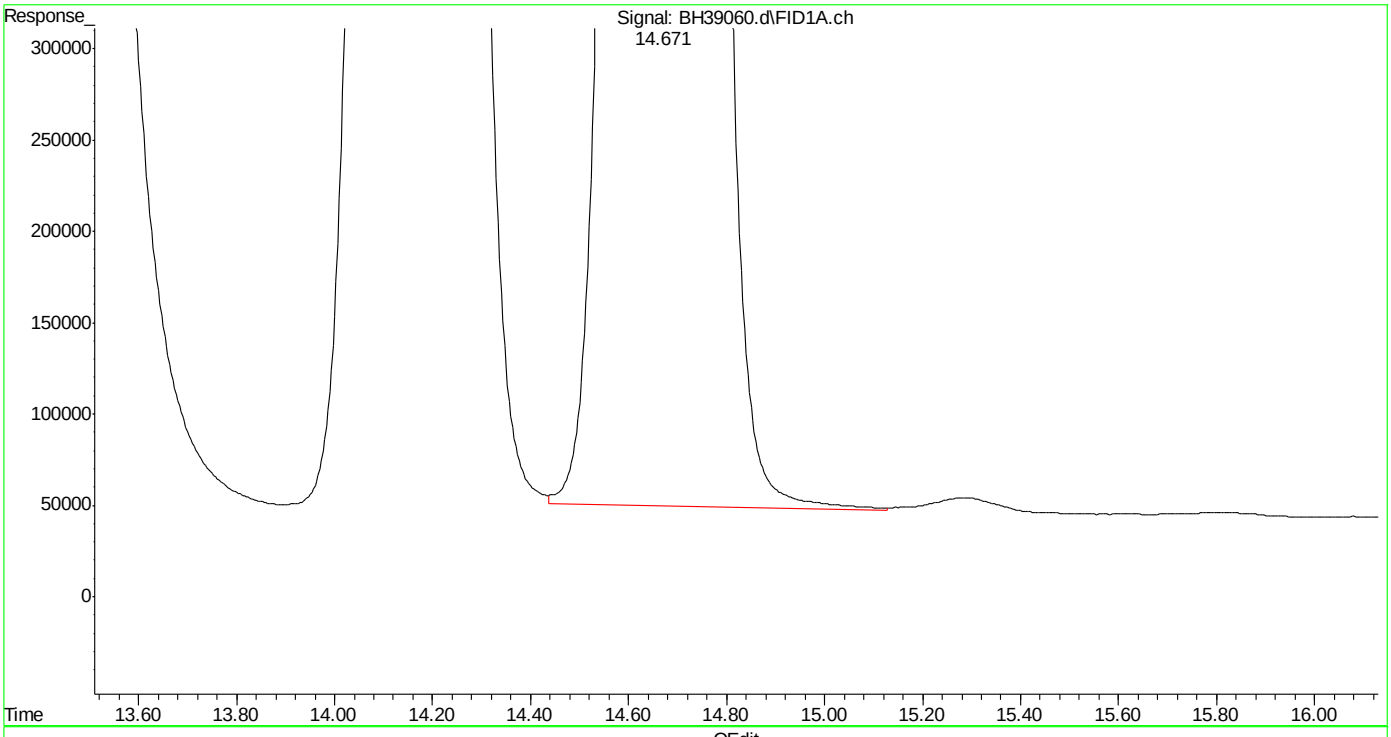
bh160420vphmaster.m Wed Apr 20 14:38:16 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.671min 491.085 ppb m
response 461690194

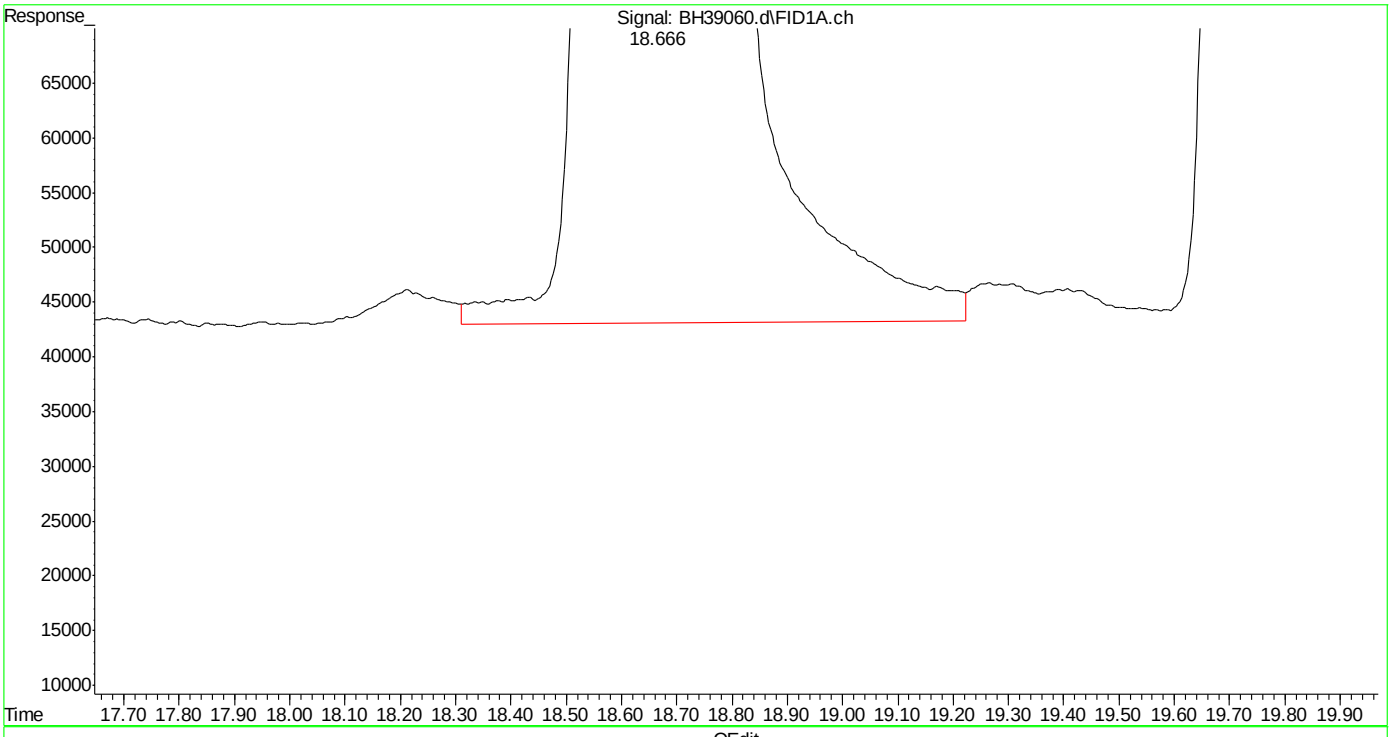
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.667min 492.729 ppb
response 598885067

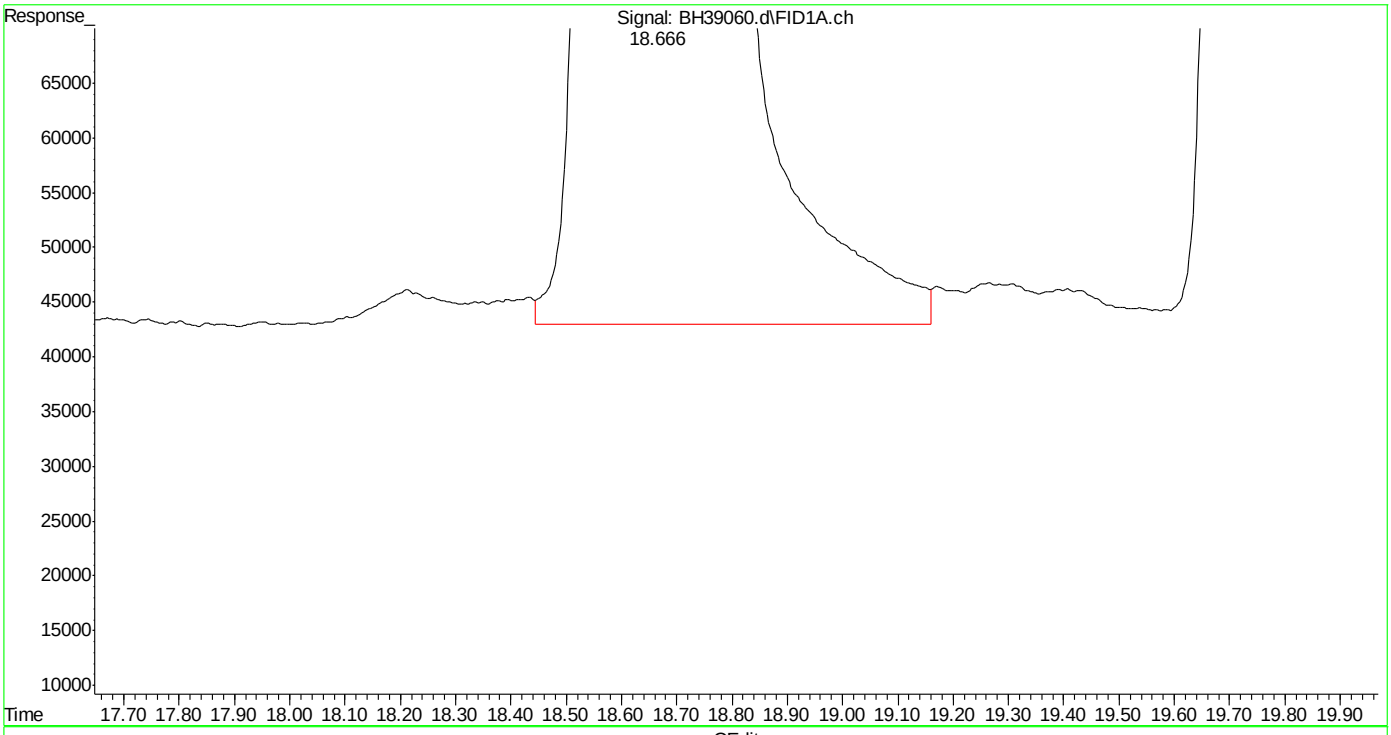
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:29 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.666min 492.564 ppb m
response 598684560

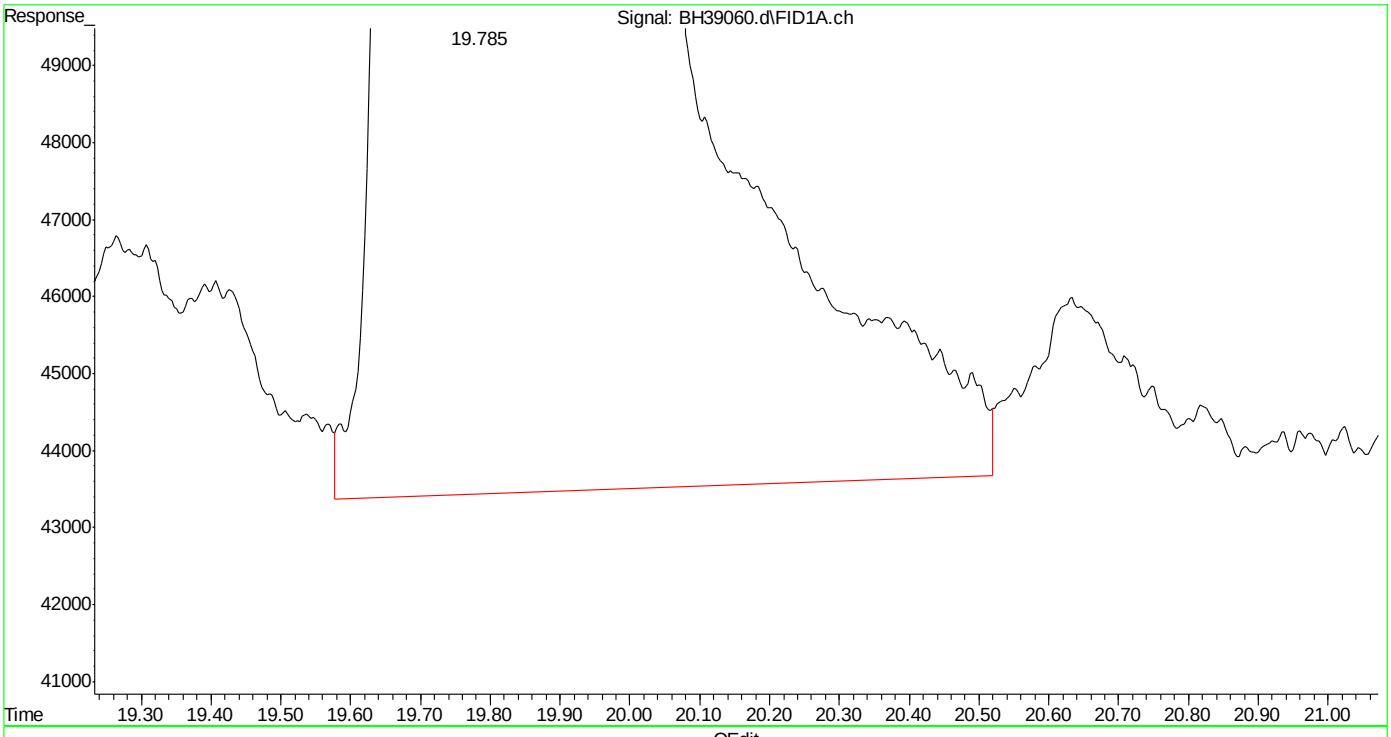
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:36 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.786min 482.668 ppb
response 393564672

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:44 2016

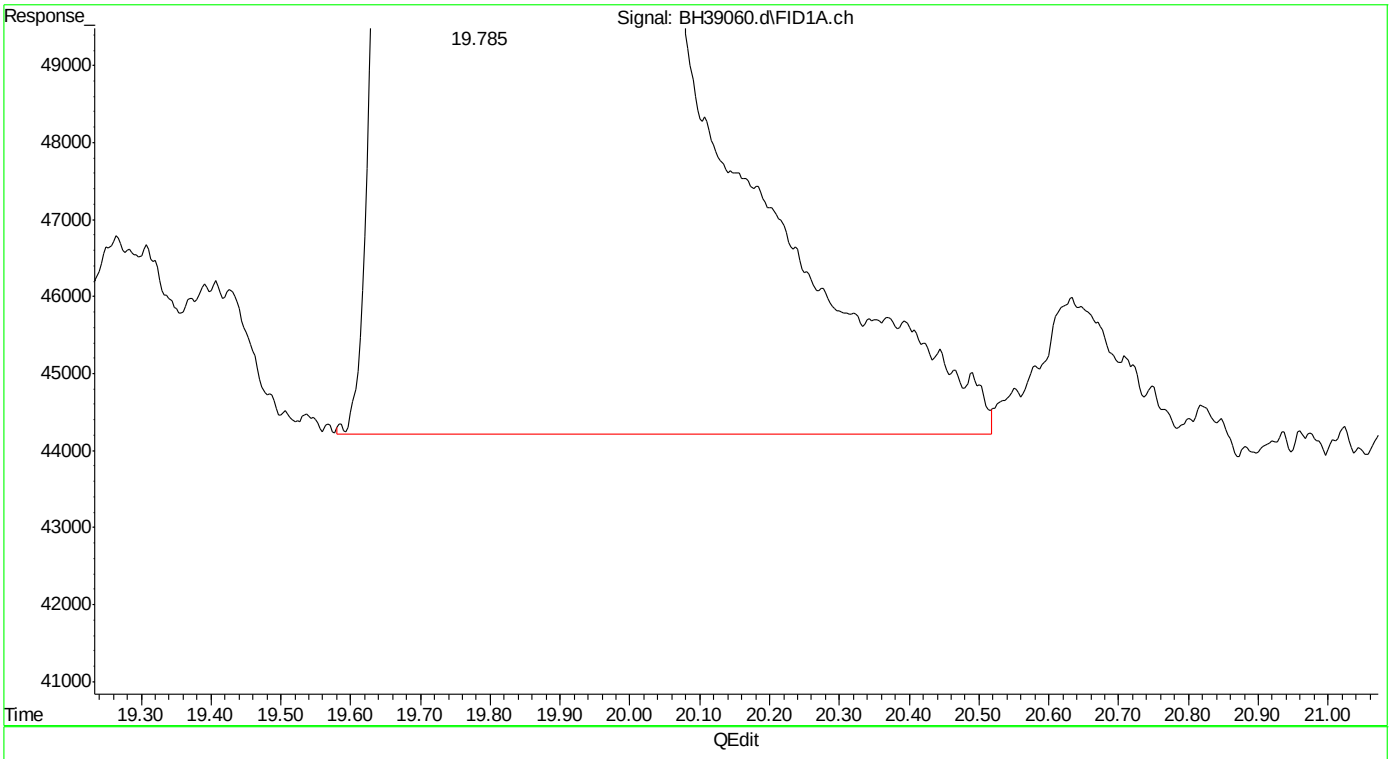
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.785min 482.185 ppb m
response 393170341

(+) = Expected Retention Time

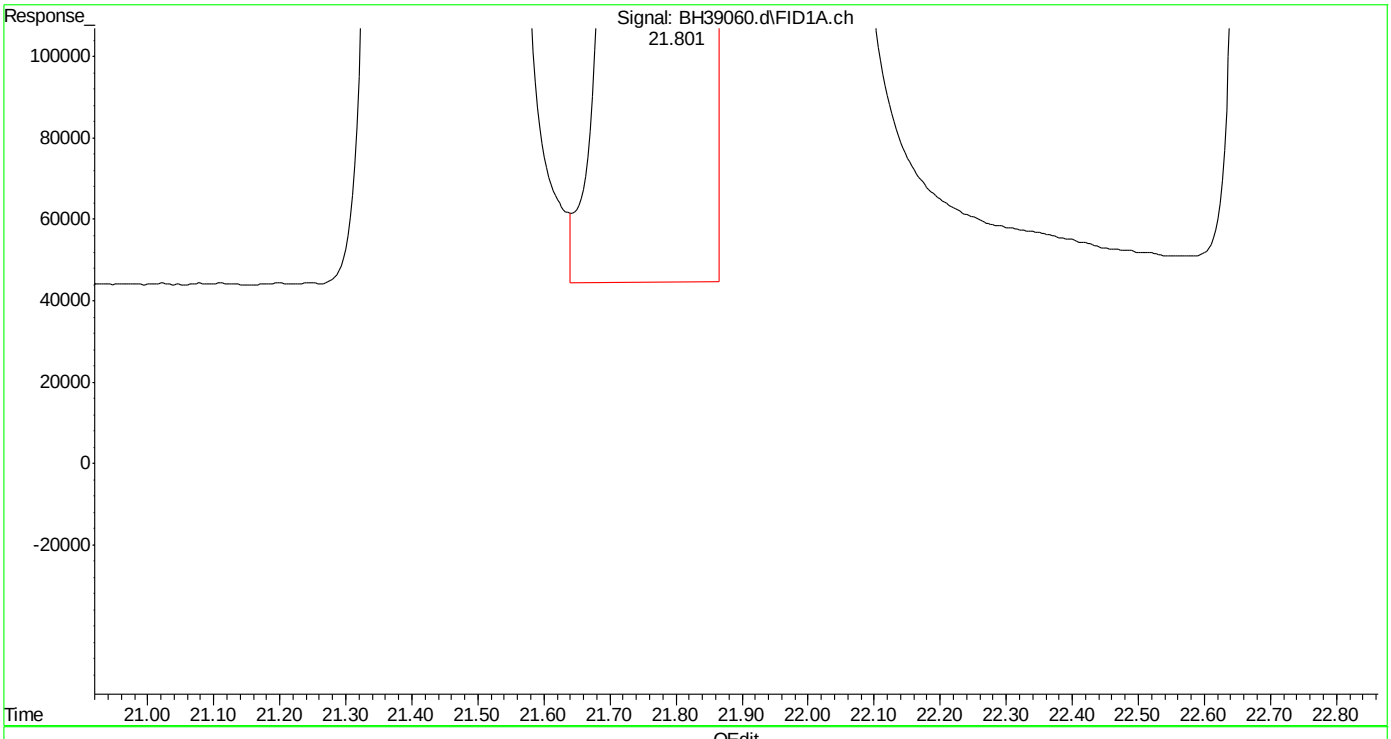
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.802min 506.106 ppb
response 606693875

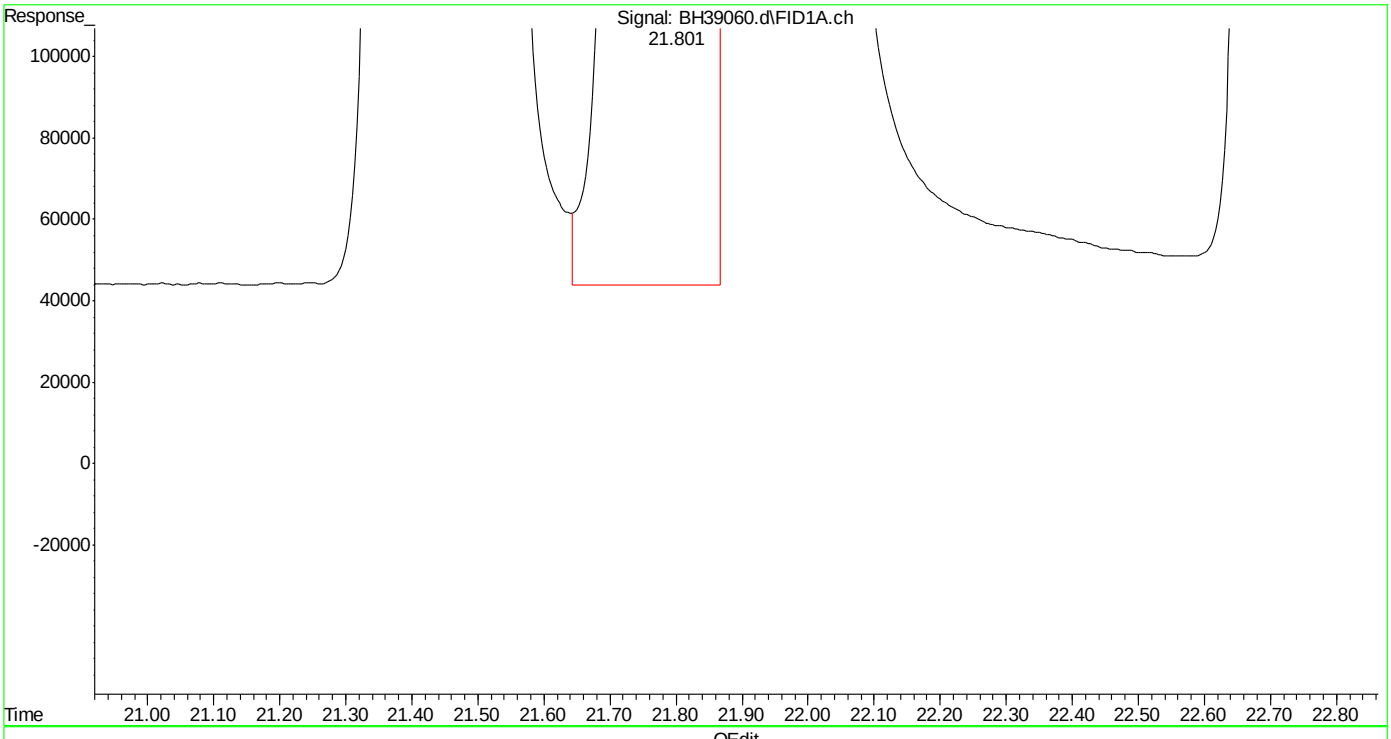
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:00 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.801min 505.663 ppb m
response 606162413

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:08 2016

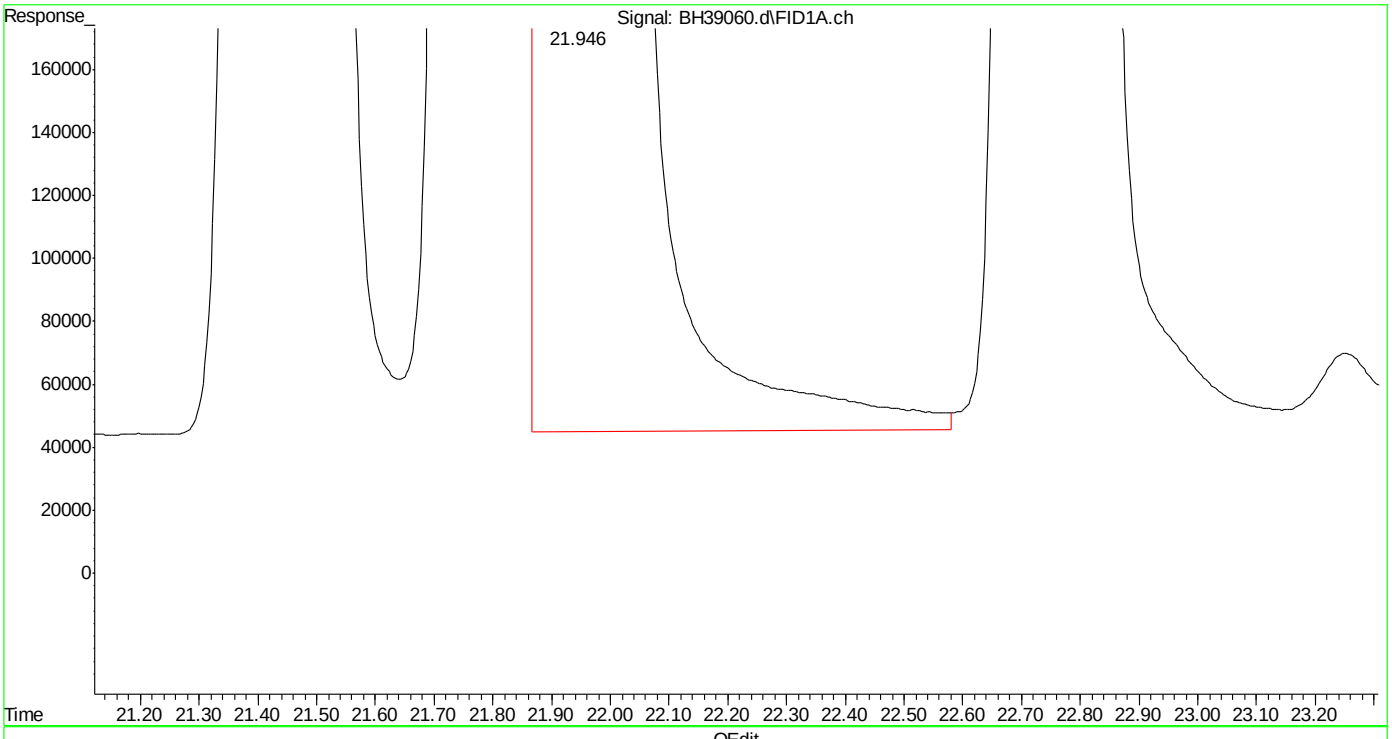
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.947min 1014.455 ppb
response 1274482306

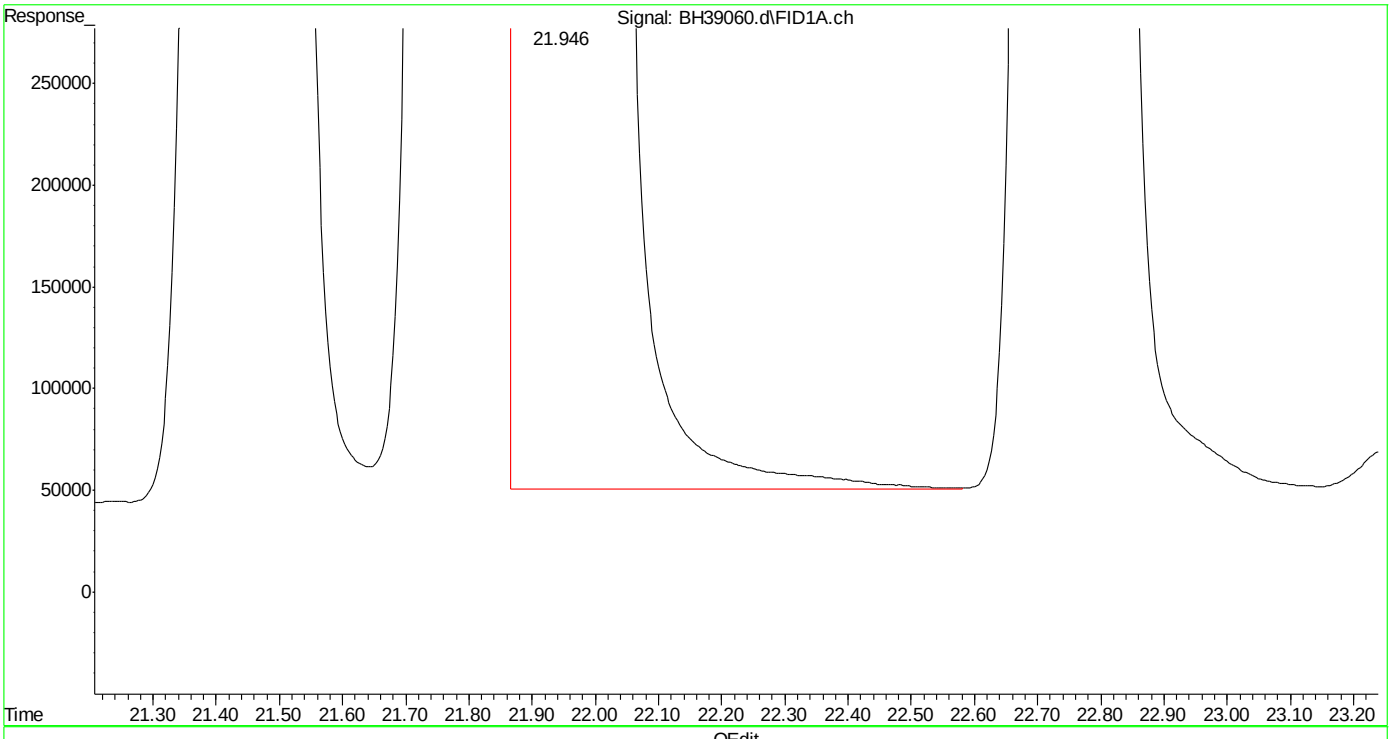
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:13 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.946min 1009.276 ppb m
response 1267975817

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:22 2016 Page: 1

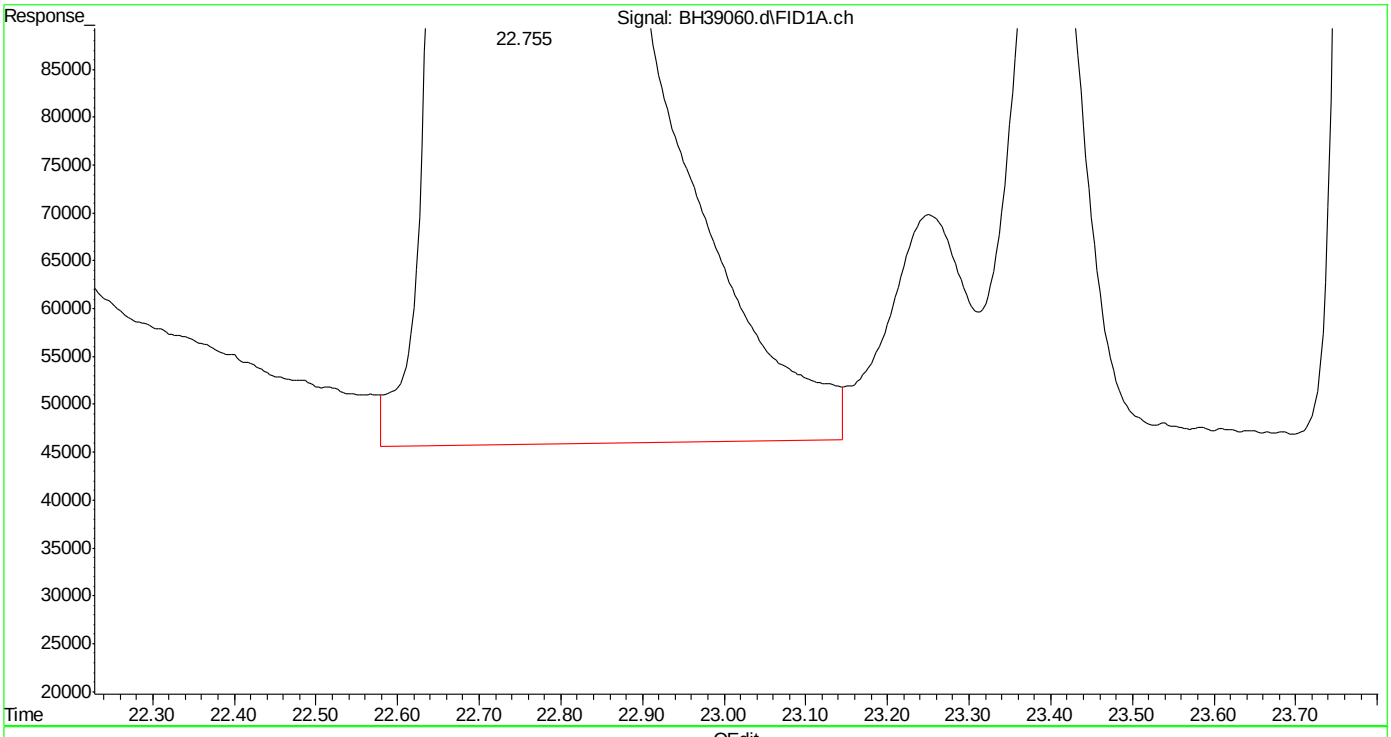
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.757min 500.390 ppb
response 641751472

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:27 2016

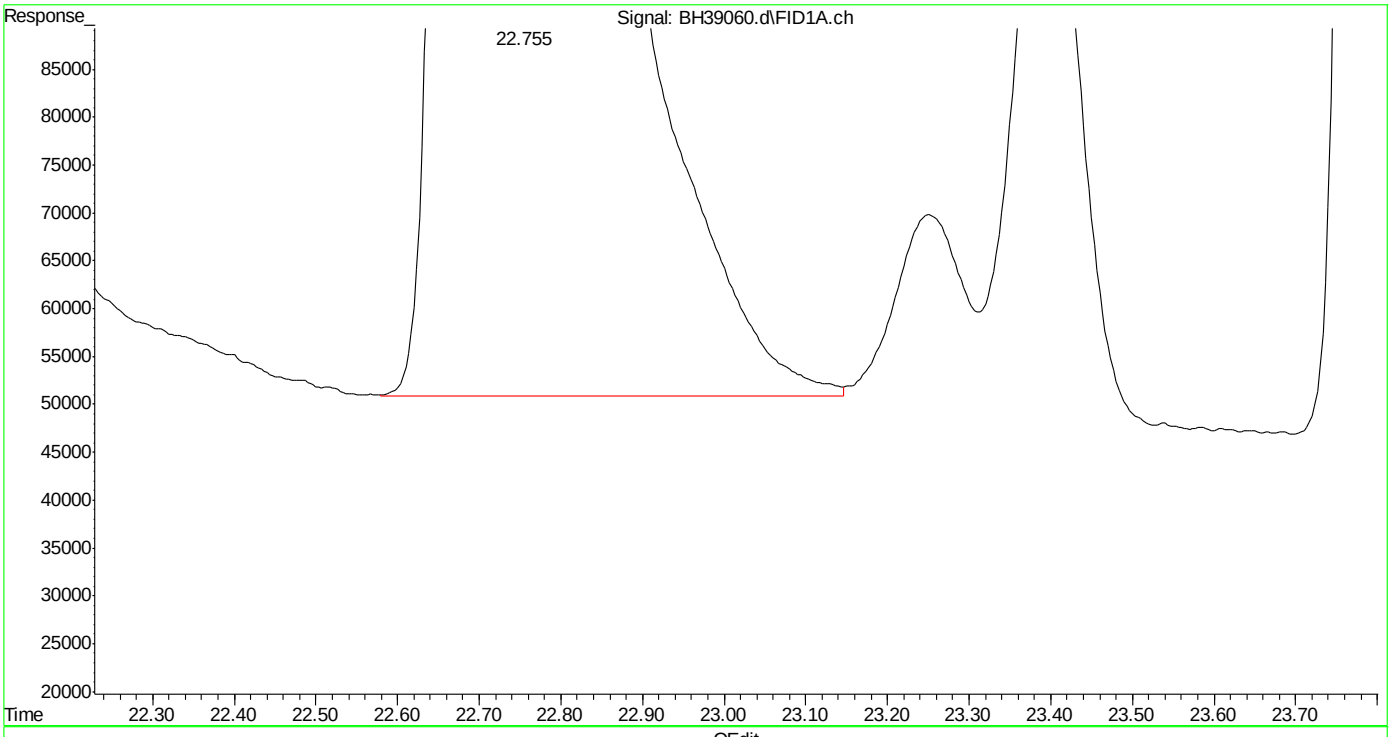
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.755min 499.097 ppb m
response 640094130

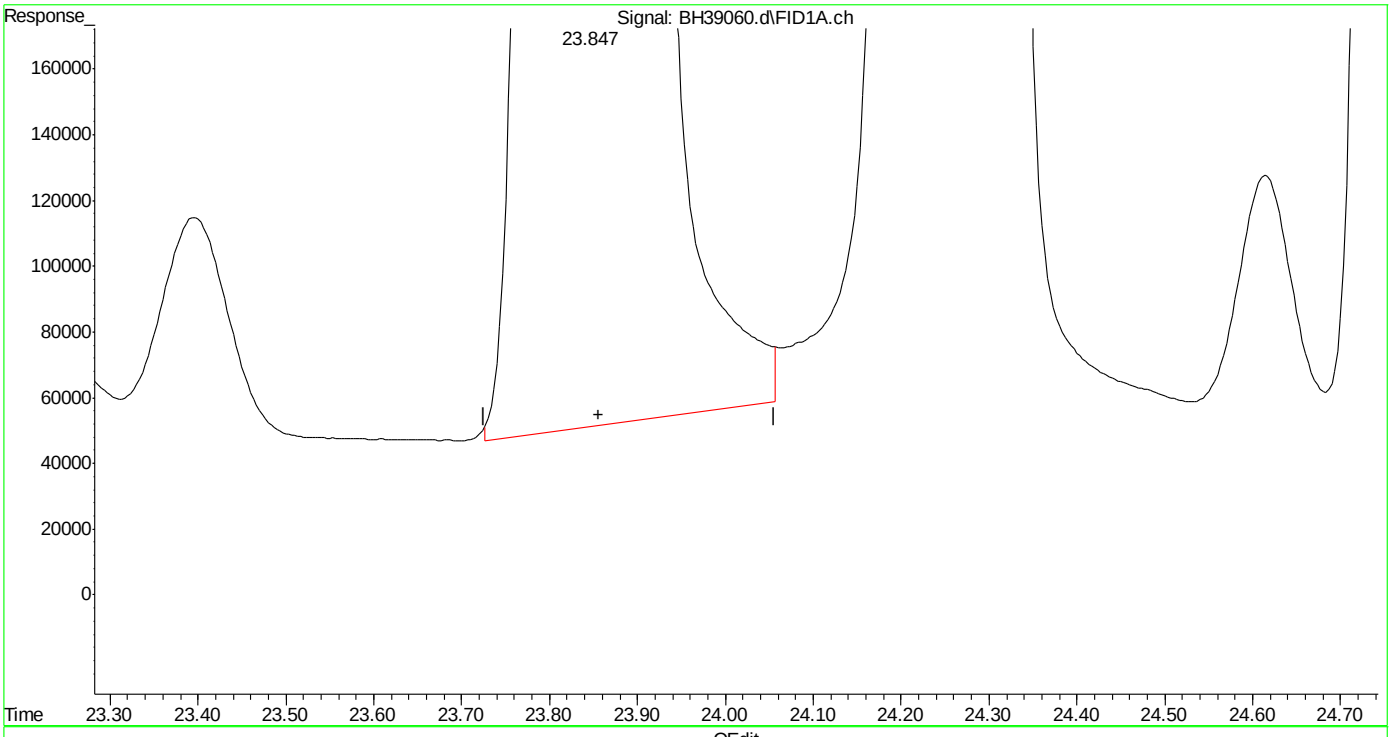
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:37 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 497.858 ppb
response 587918040

(+) = Expected Retention Time

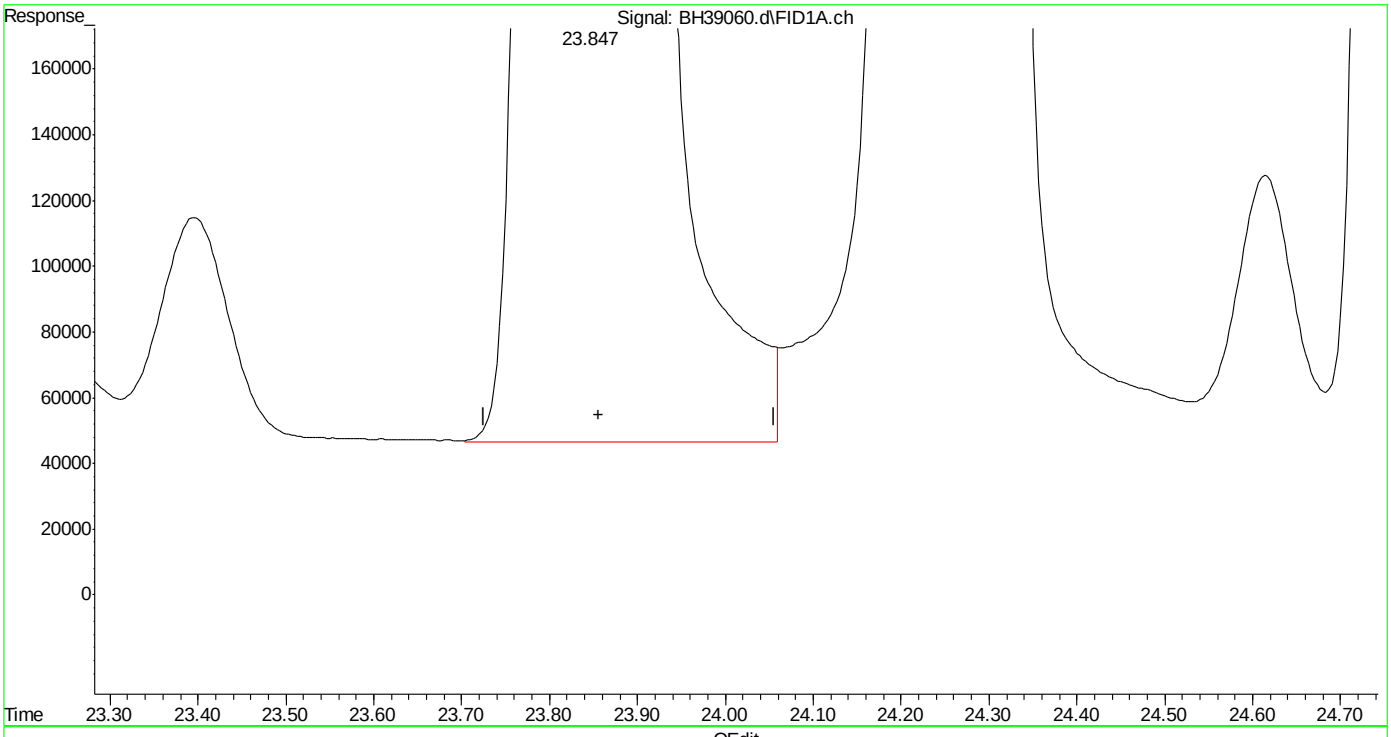
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 498.974 ppb m
response 589235505

(+) = Expected Retention Time

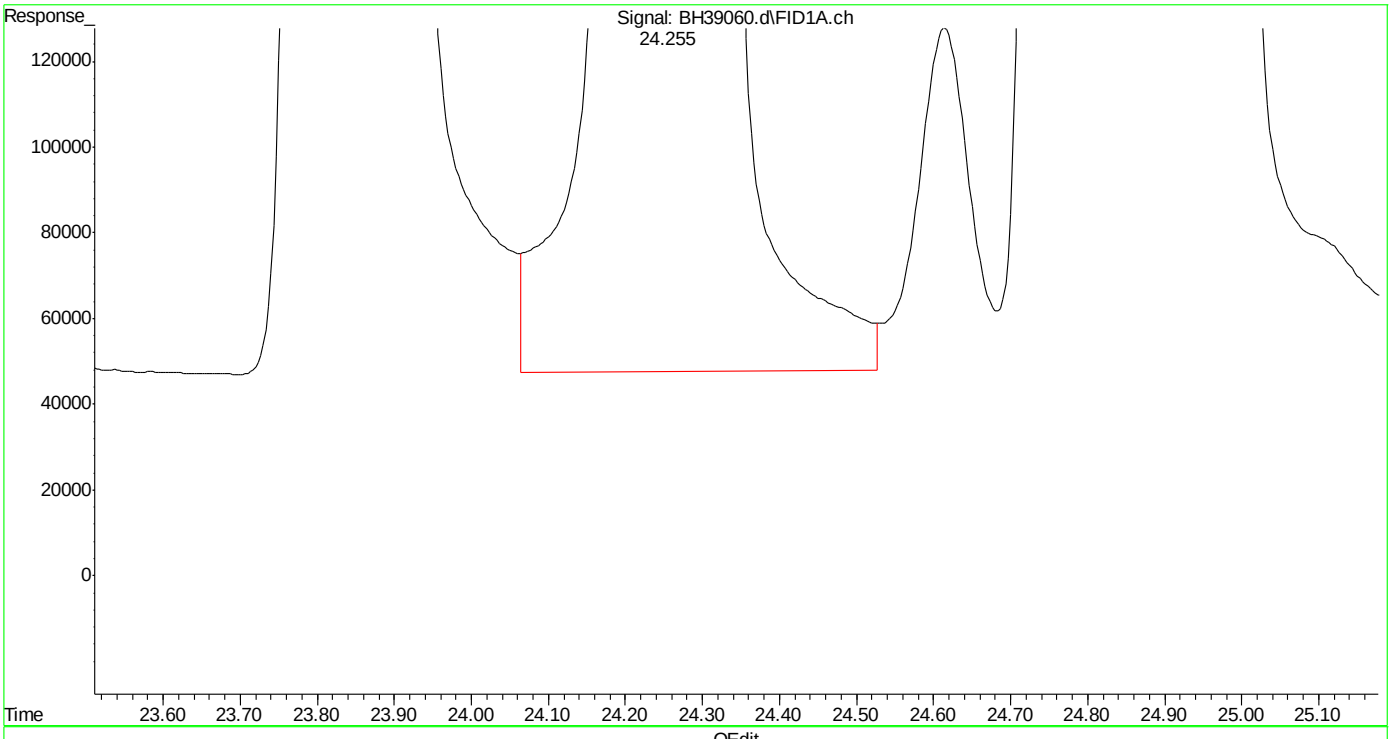
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.257min 480.663 ppb
response 650264095

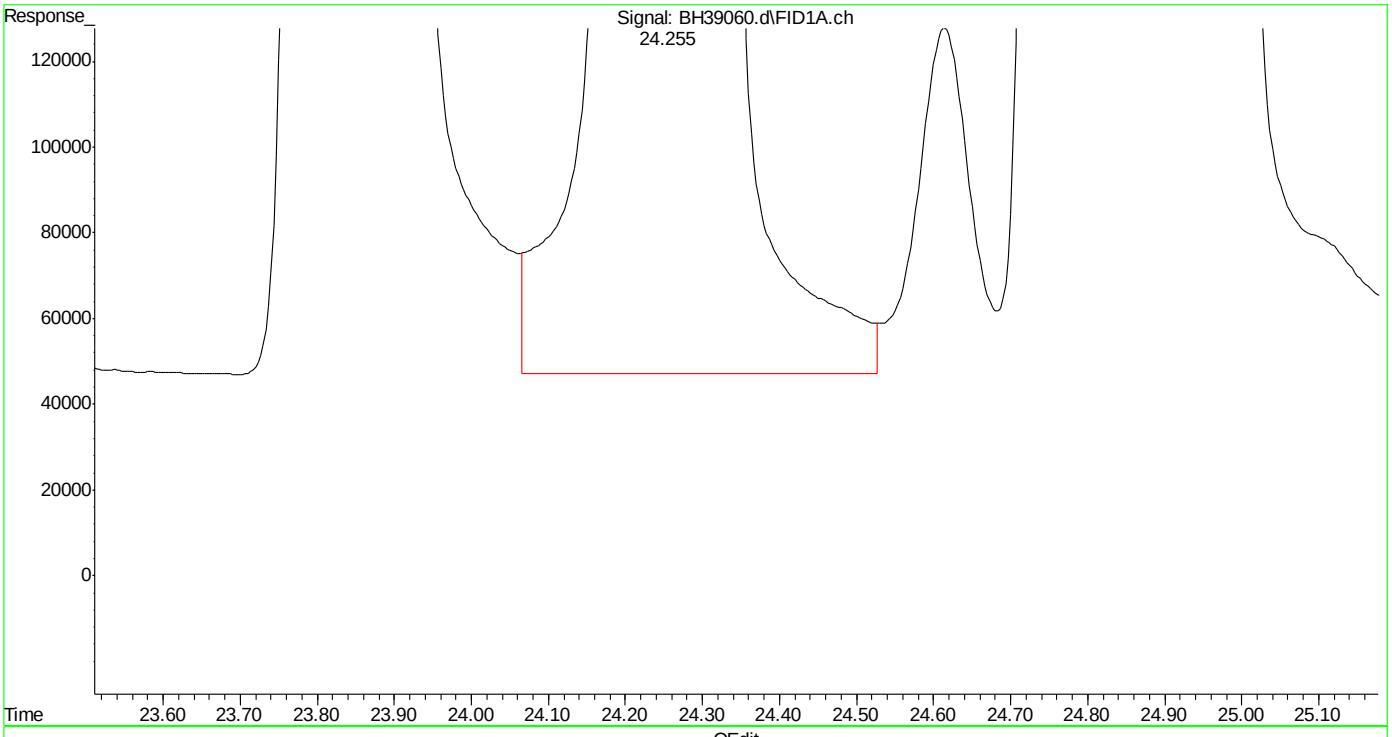
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:54 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.255min 480.783 ppb m
response 650427688

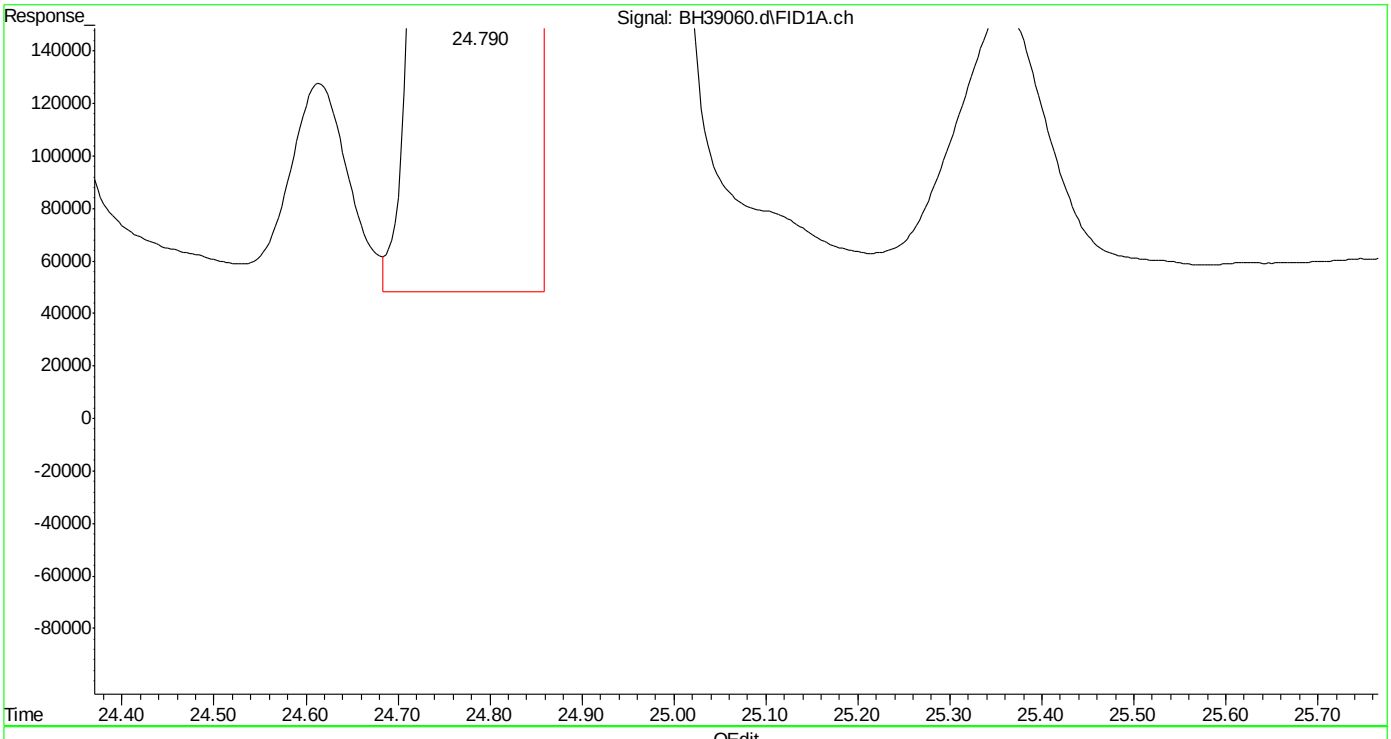
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:05 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.791min 465.996 ppb
response 639977142

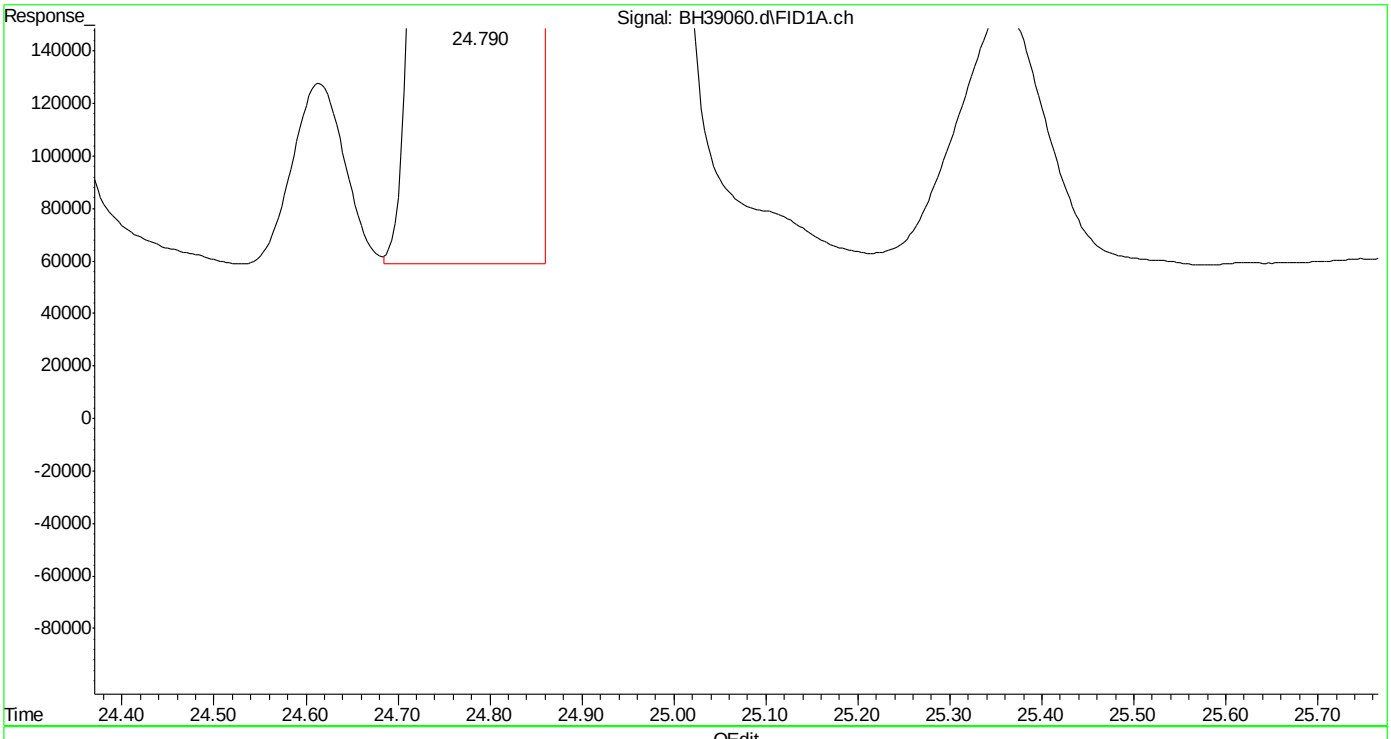
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:10 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.790min 464.629 ppb m
response 638100435

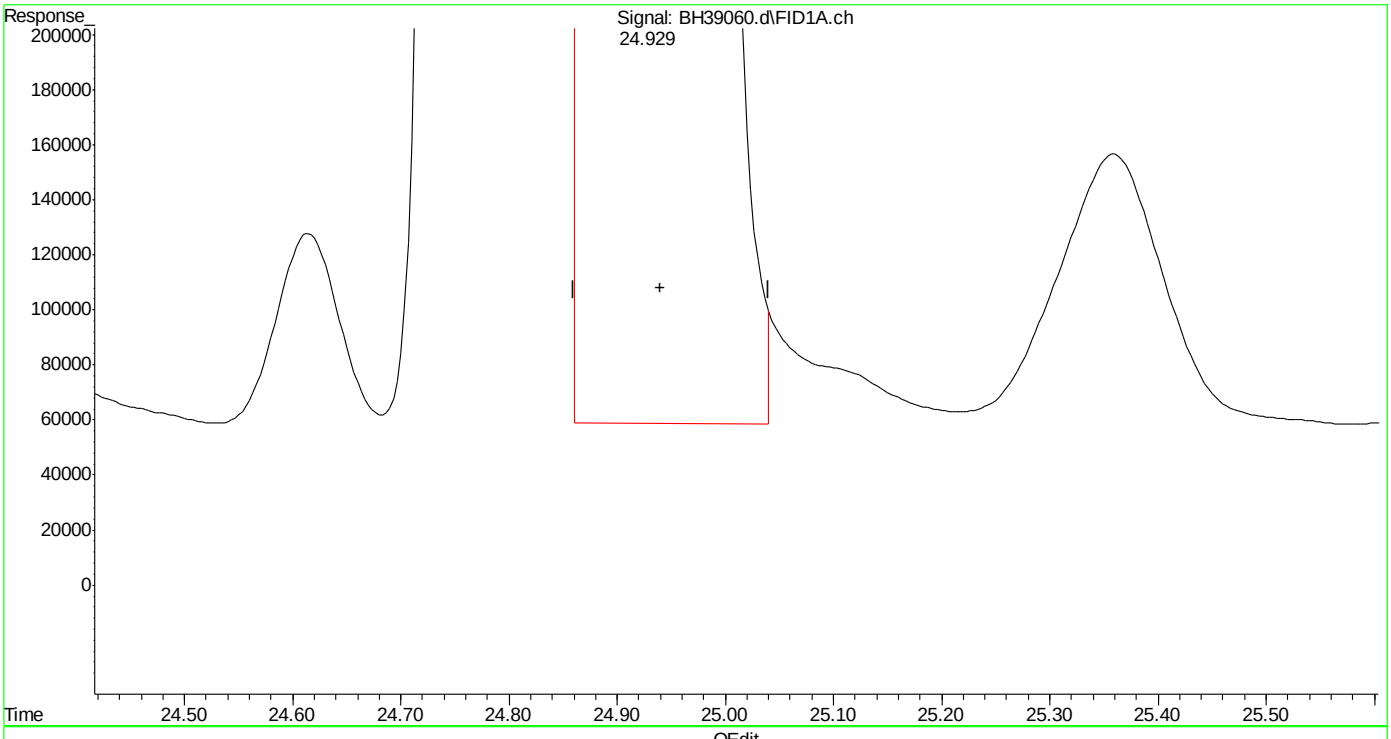
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 481.096 ppb
response 611501682

(+) = Expected Retention Time

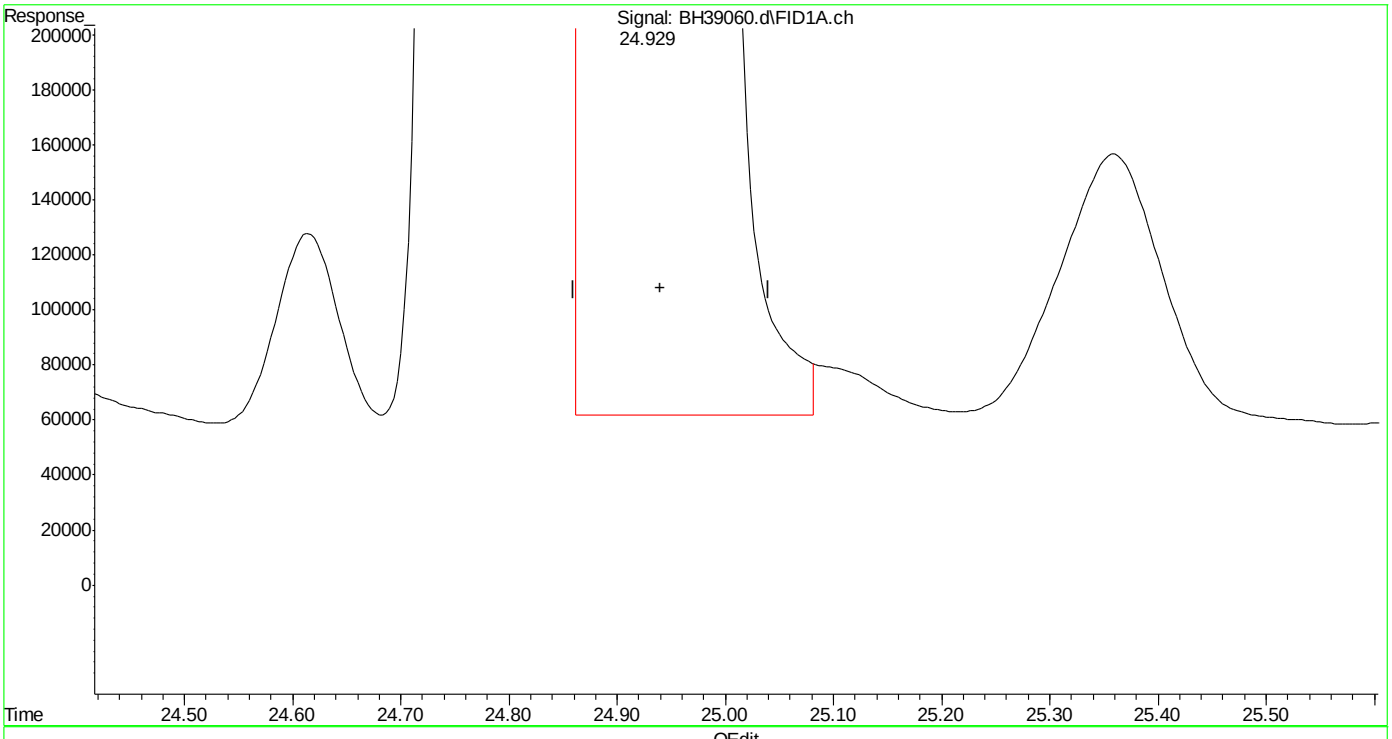
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 482.581 ppb m
response 613389026

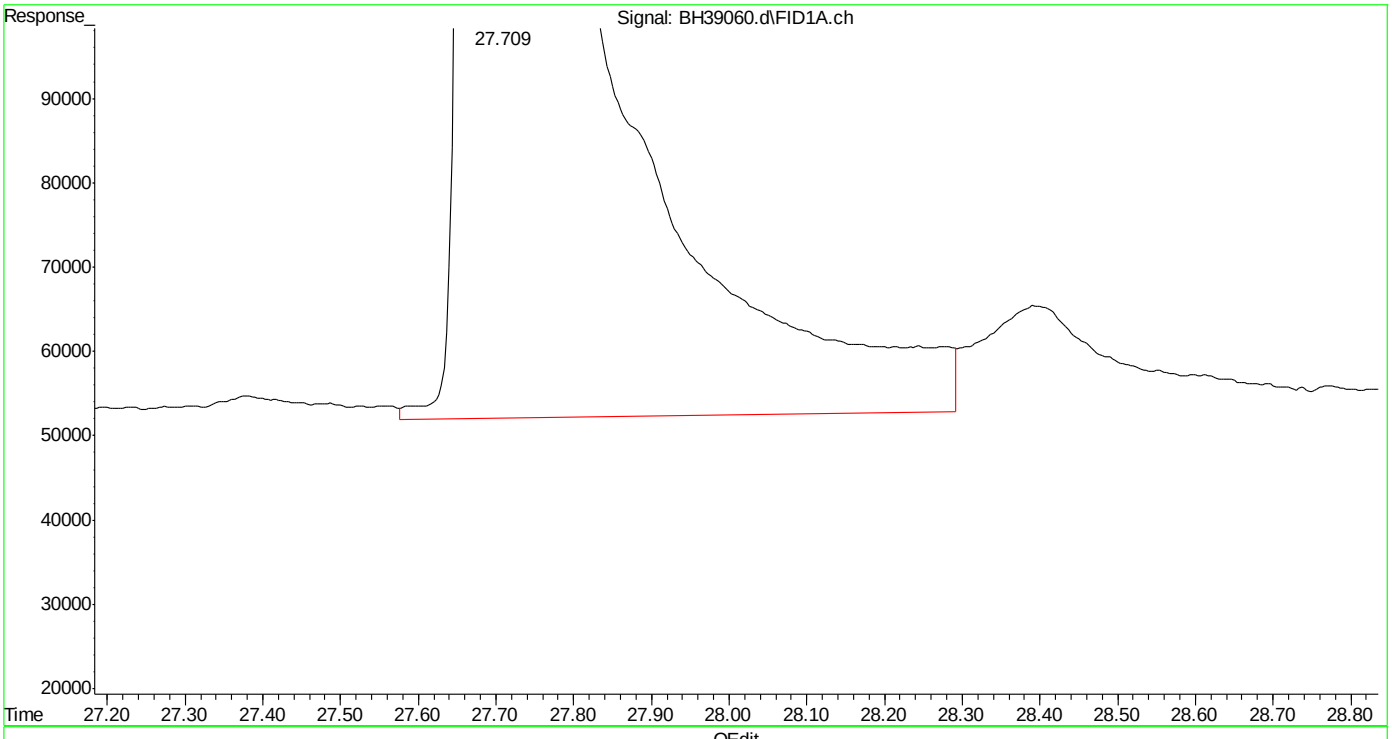
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.711min 417.739 ppb
response 353487103

(+) = Expected Retention Time

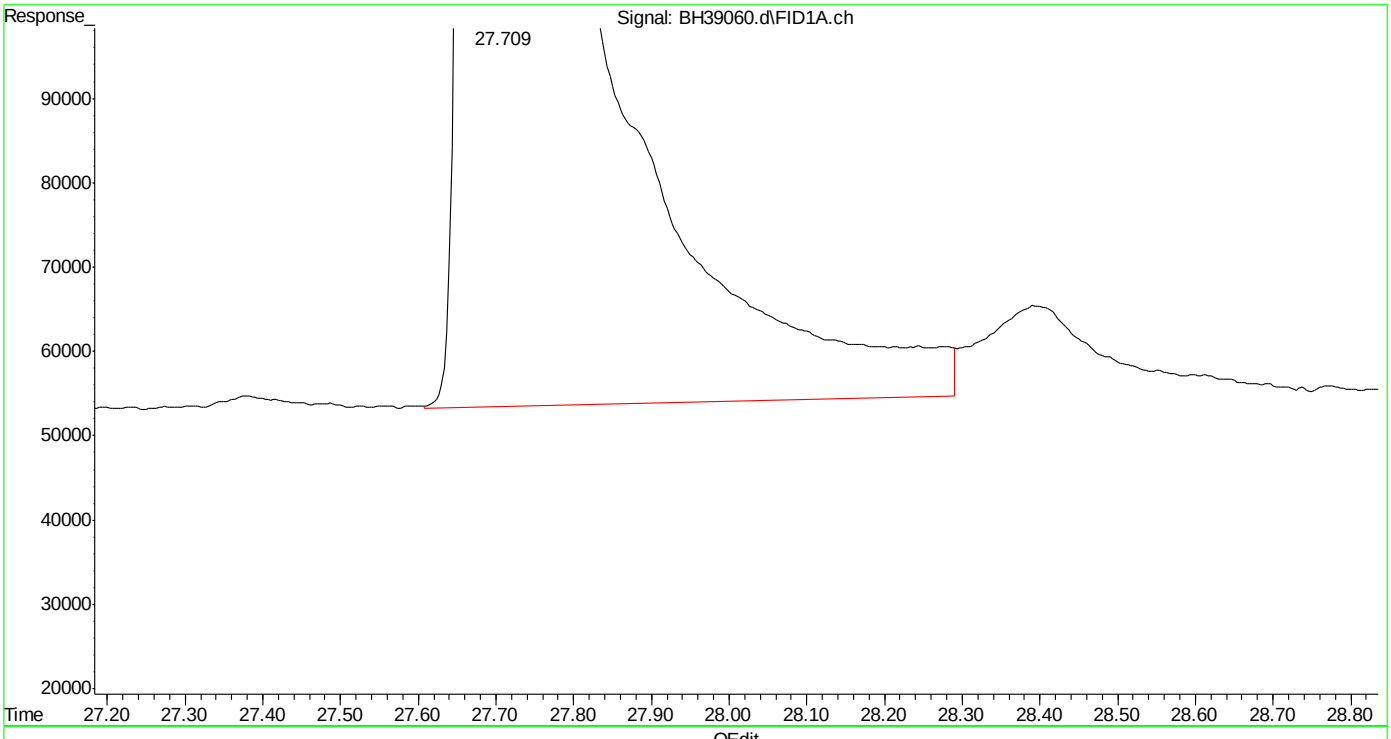
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 416.982 ppb m
response 352846203

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:40 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(23) mtbe #2 (t)
9.017min 482.851 ppb
response 137874626

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(23) mtbe #2 (t)
9.016min 481.937 ppb m
response 137613702

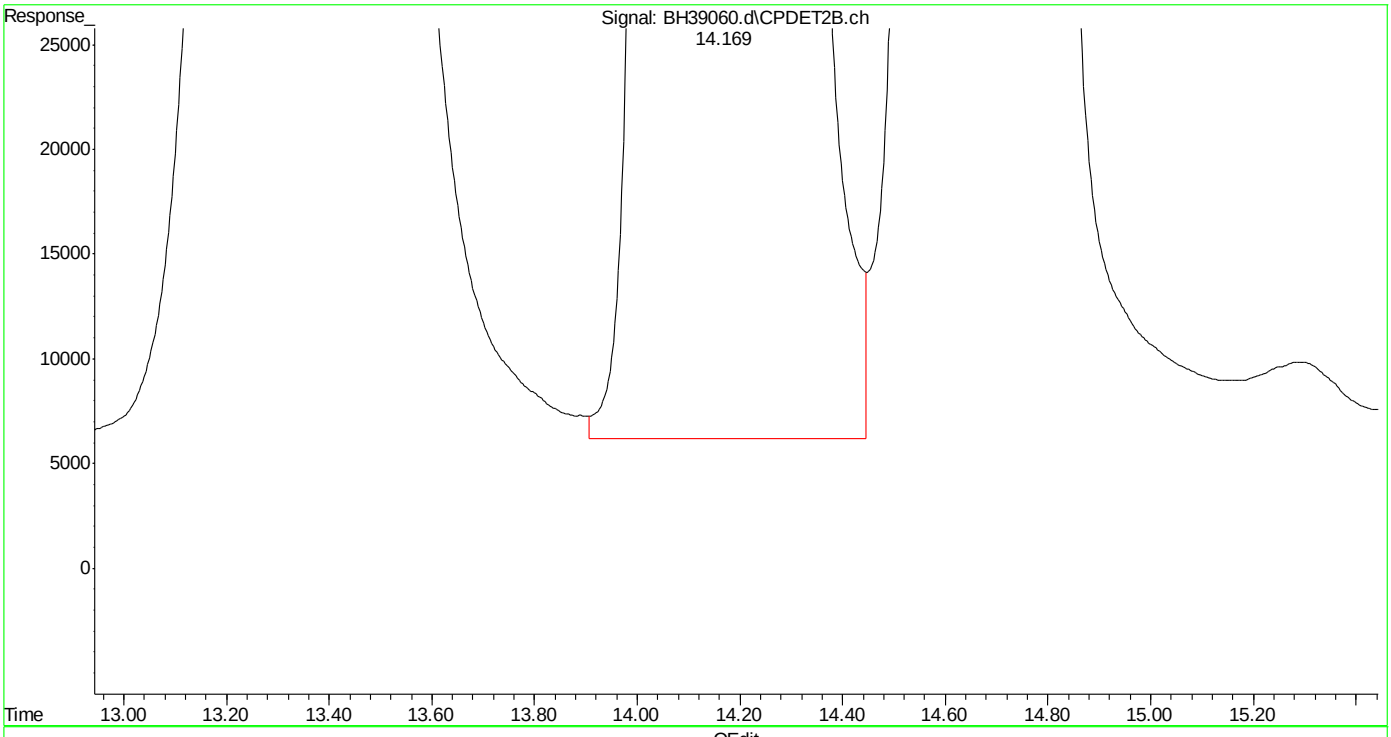
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:05 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.170min 478.941 ppb
response 318483902

(+) = Expected Retention Time

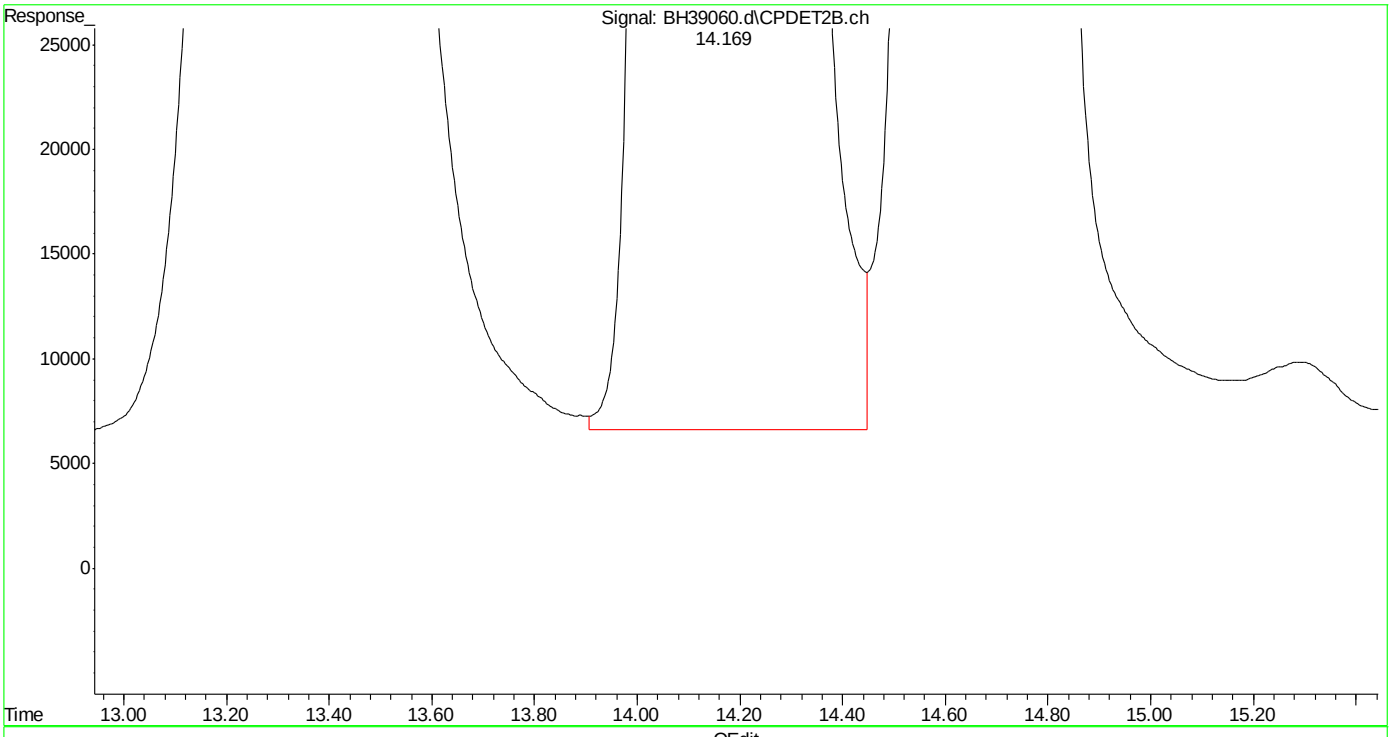
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 478.763 ppb m
response 318365520

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:18 2016

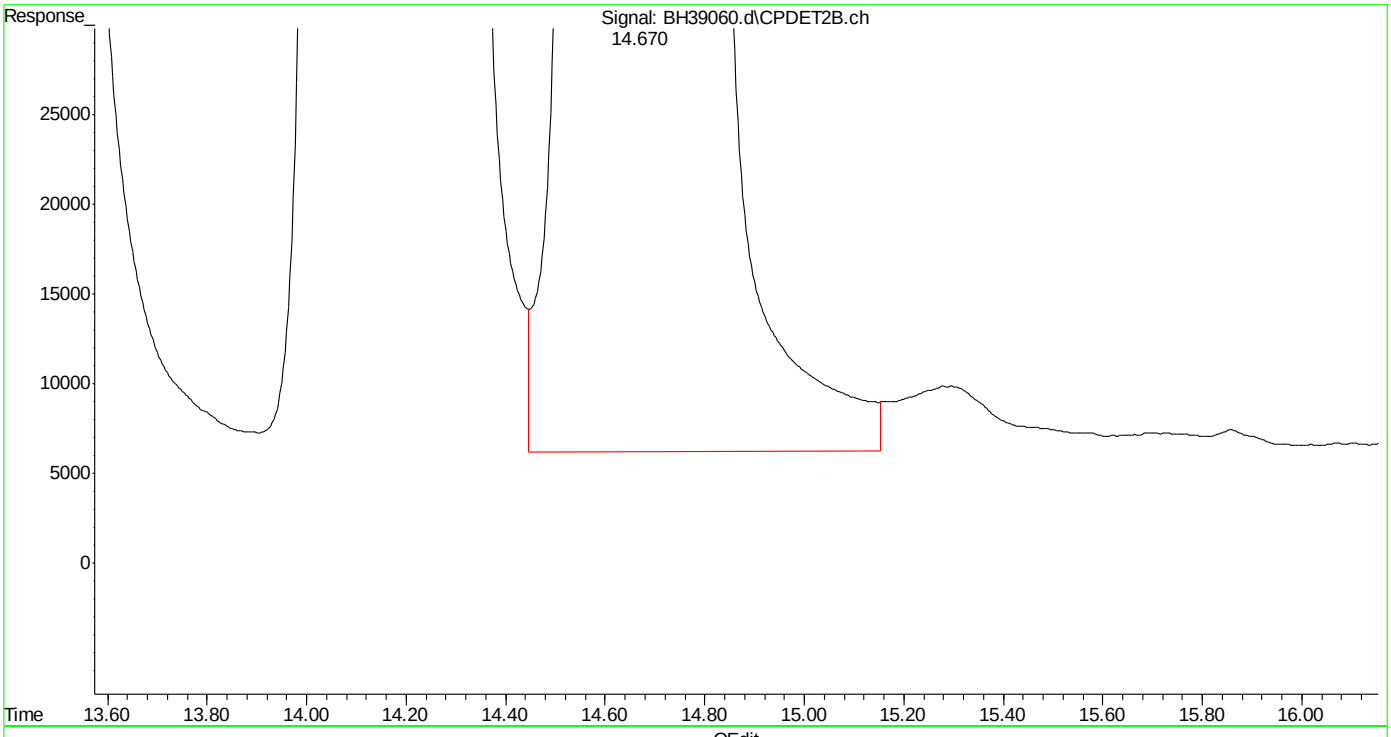
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.672min 495.480 ppb
response 202082252

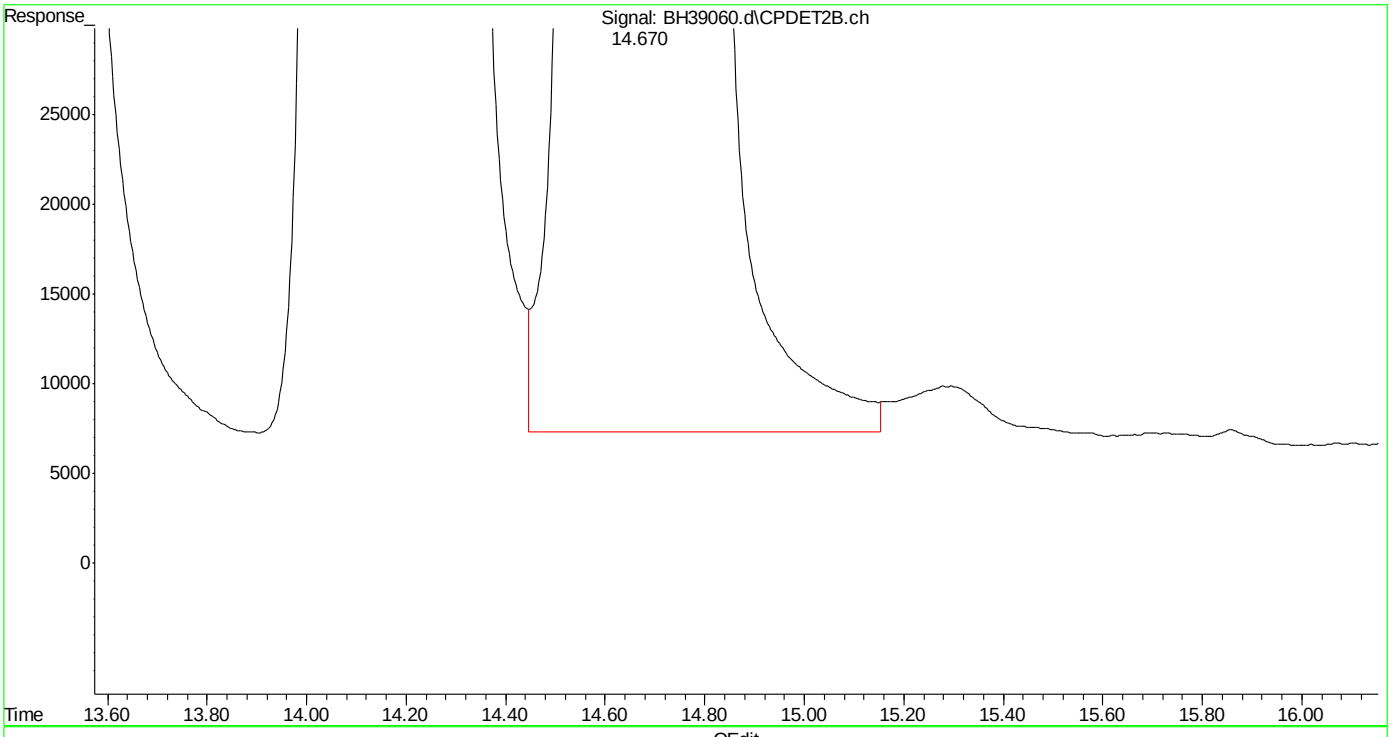
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 494.374 ppb m
response 201631236

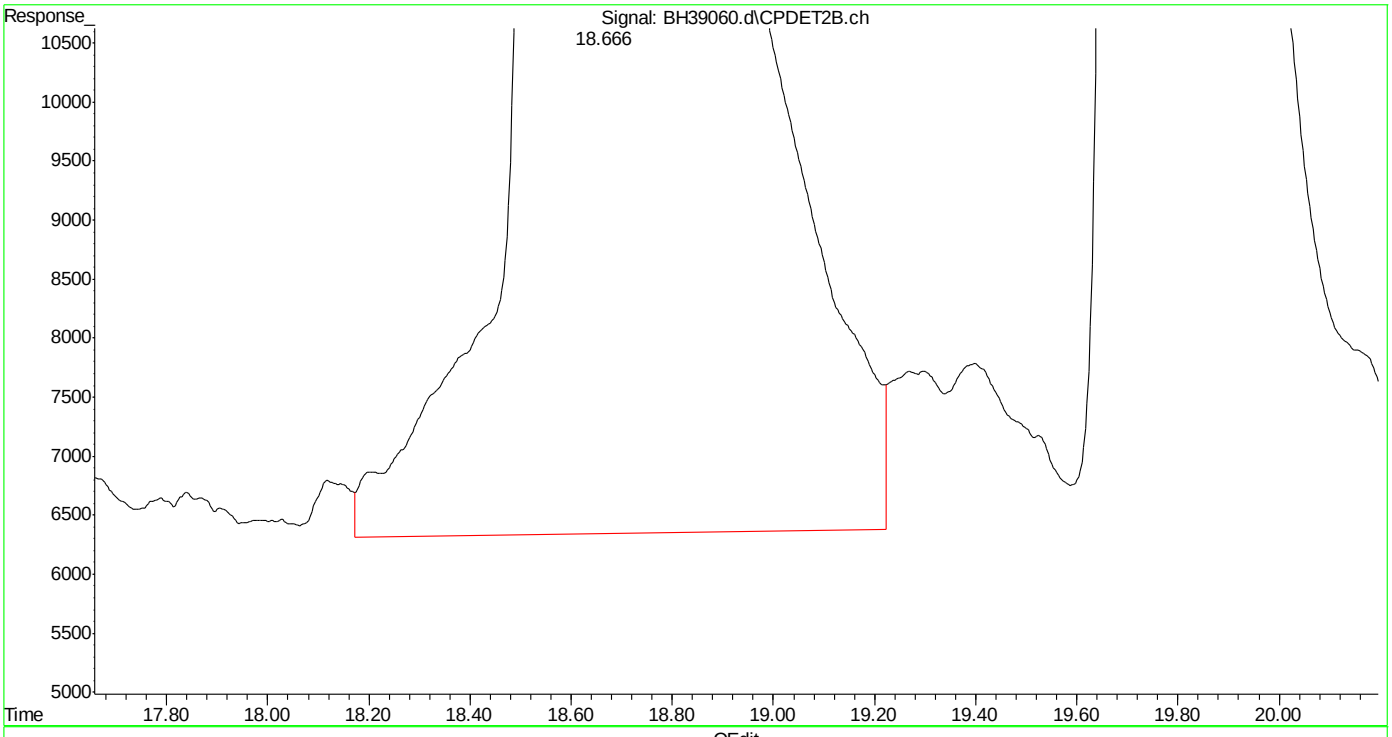
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:32 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.667min 487.499 ppb
response 302351882

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:38 2016

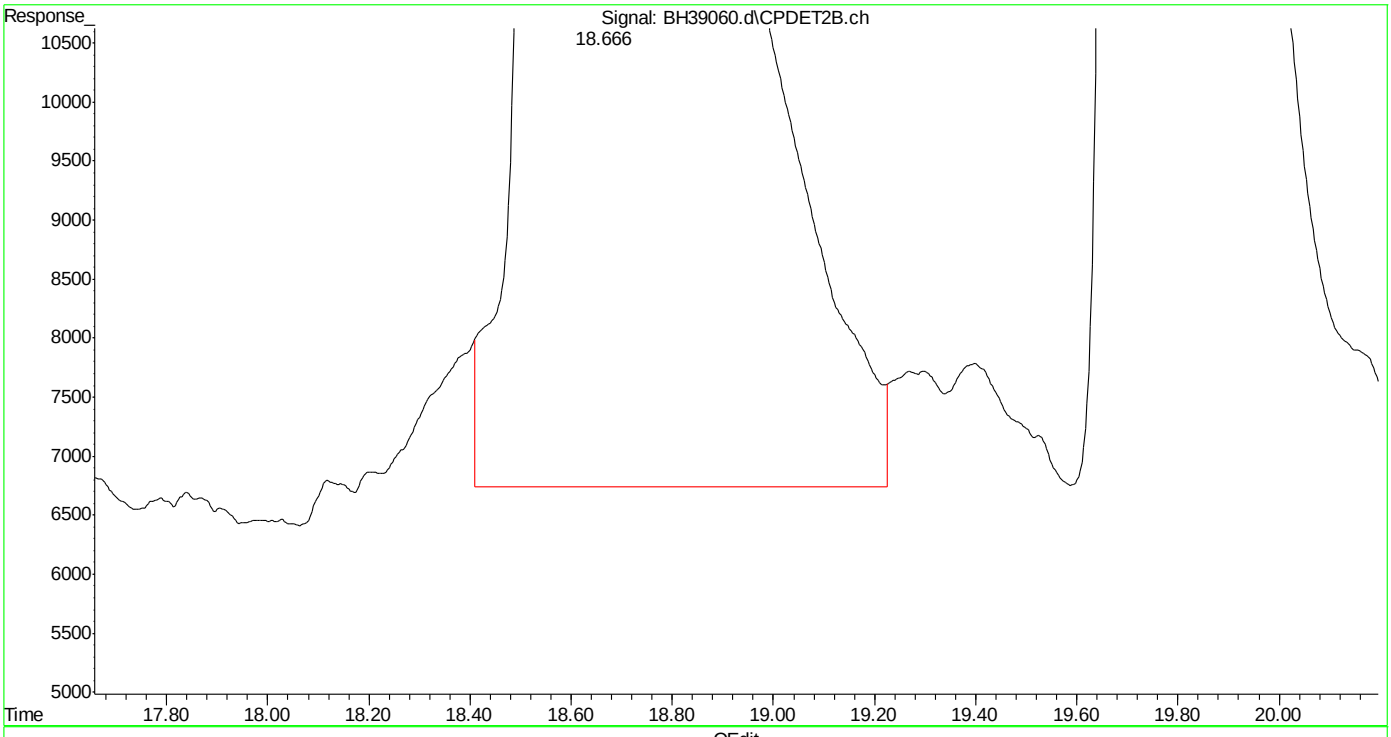
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 486.976 ppb m
response 302027483

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:45 2016

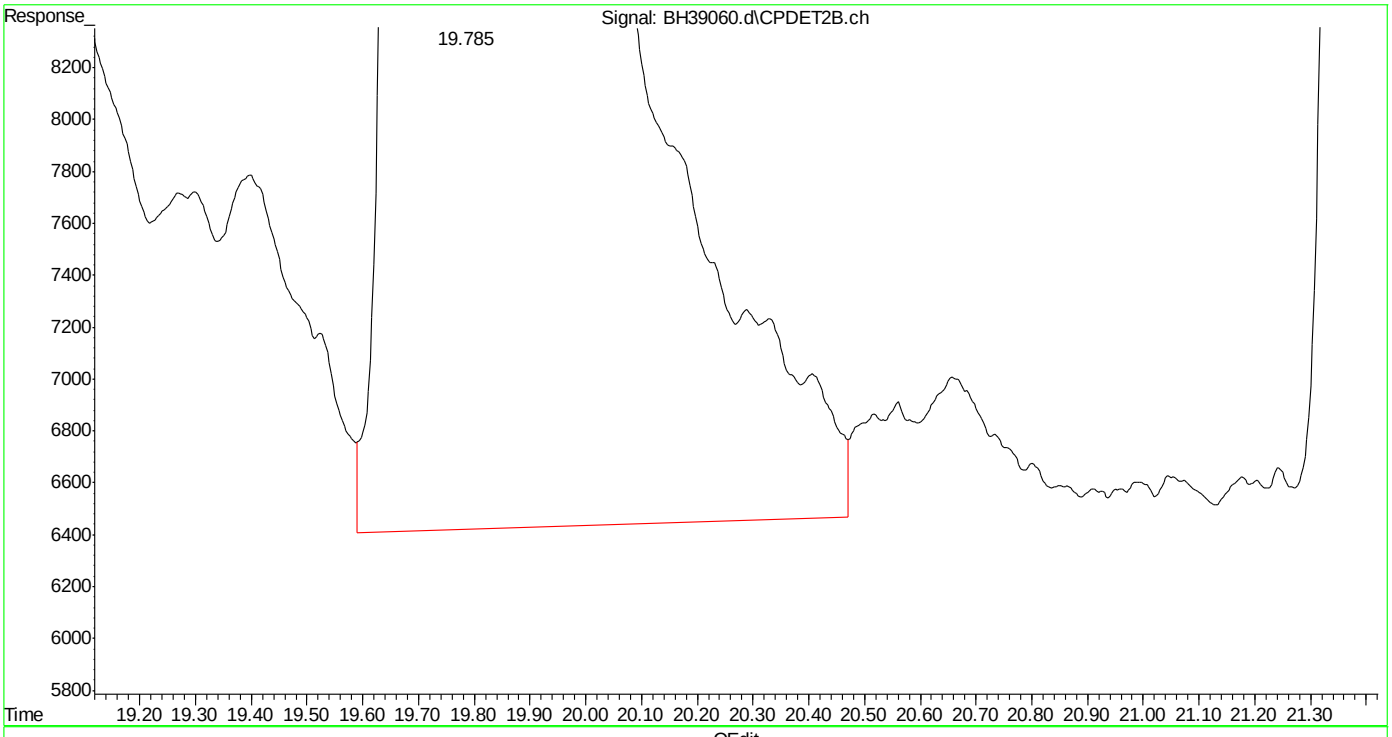
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 487.135 ppb
response 124264834

(+) = Expected Retention Time

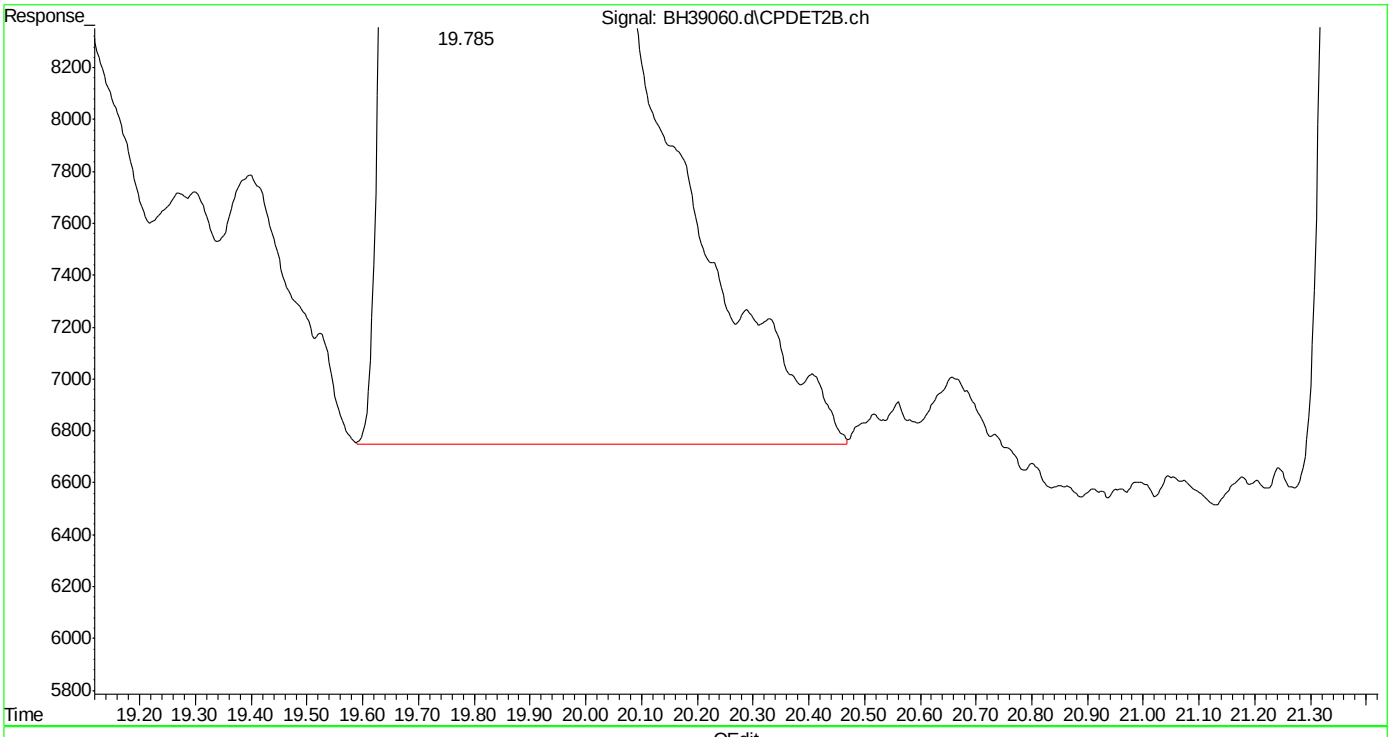
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.785min 486.495 ppb m
response 124101670

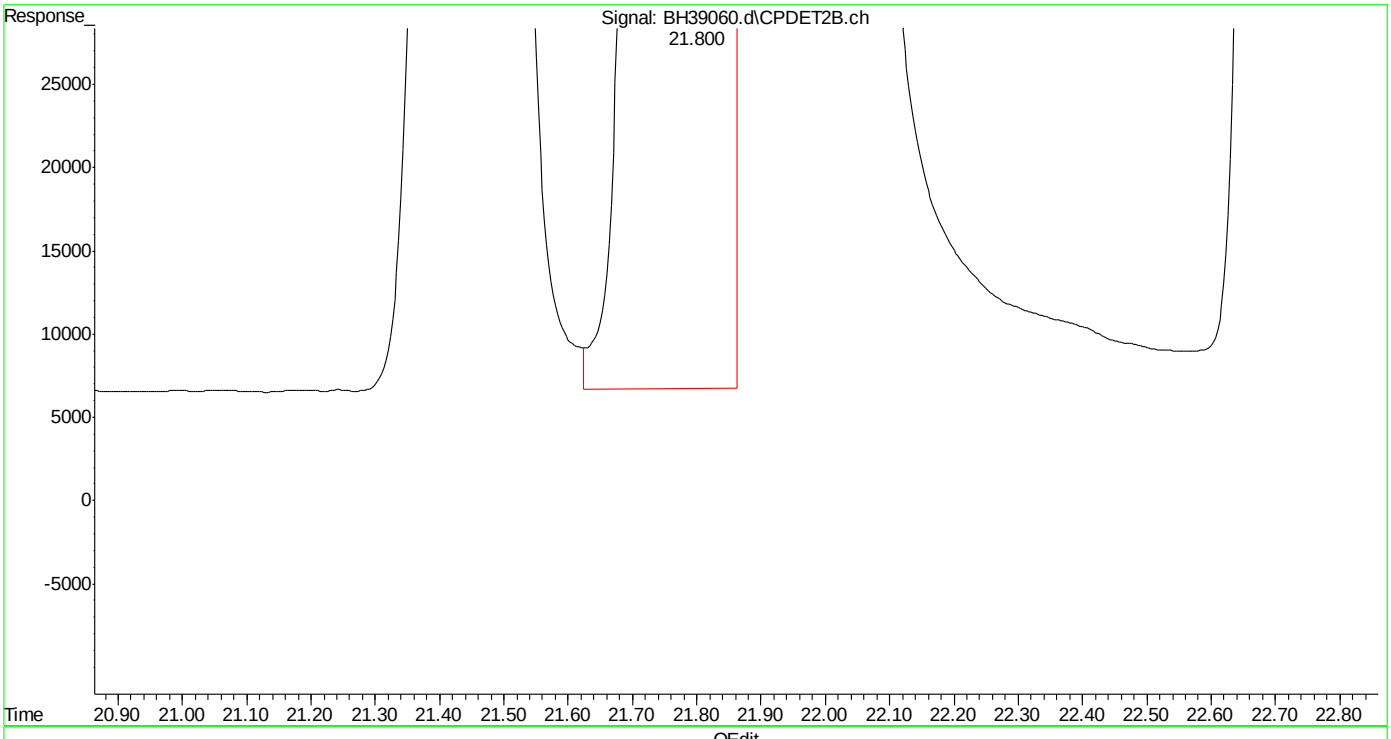
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:57 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.802min 502.347 ppb
response 274356102

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:02 2016 Page: 1

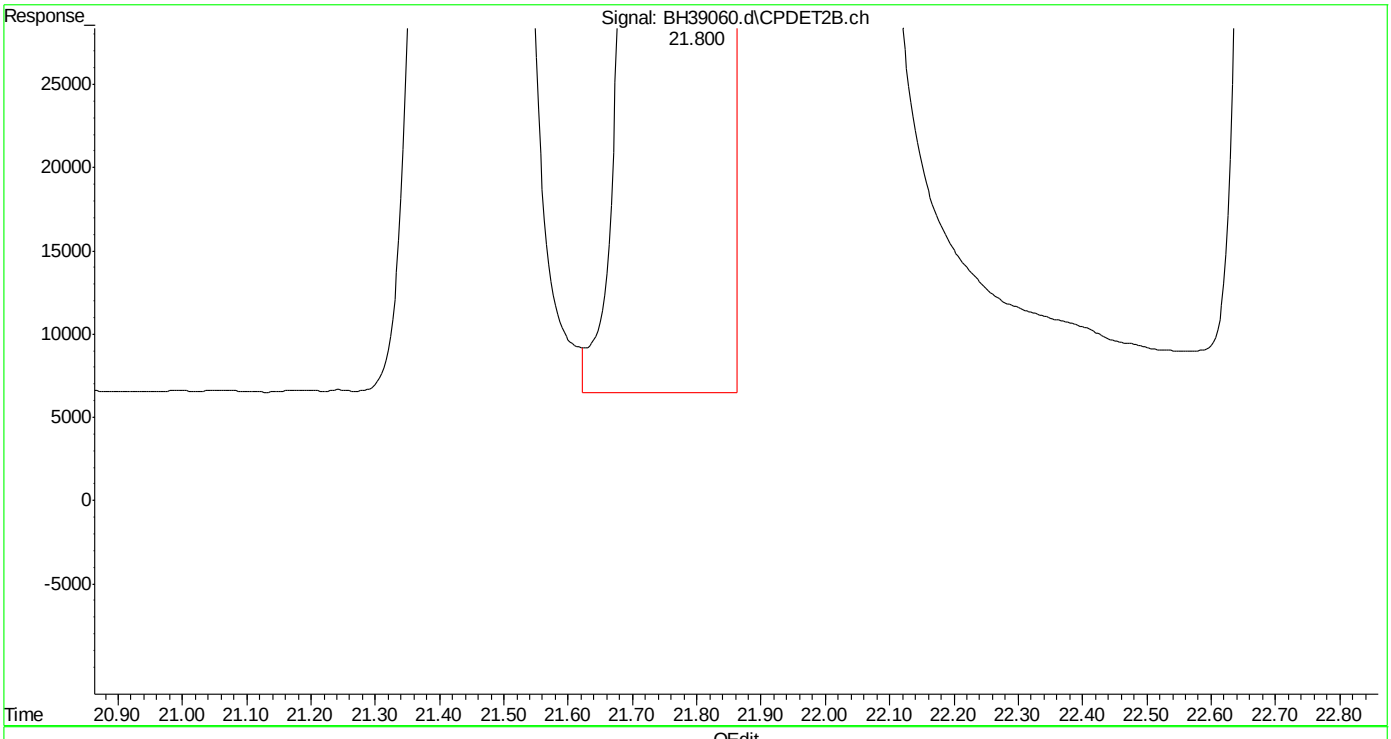
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.800min 502.899 ppb m
response 274657681

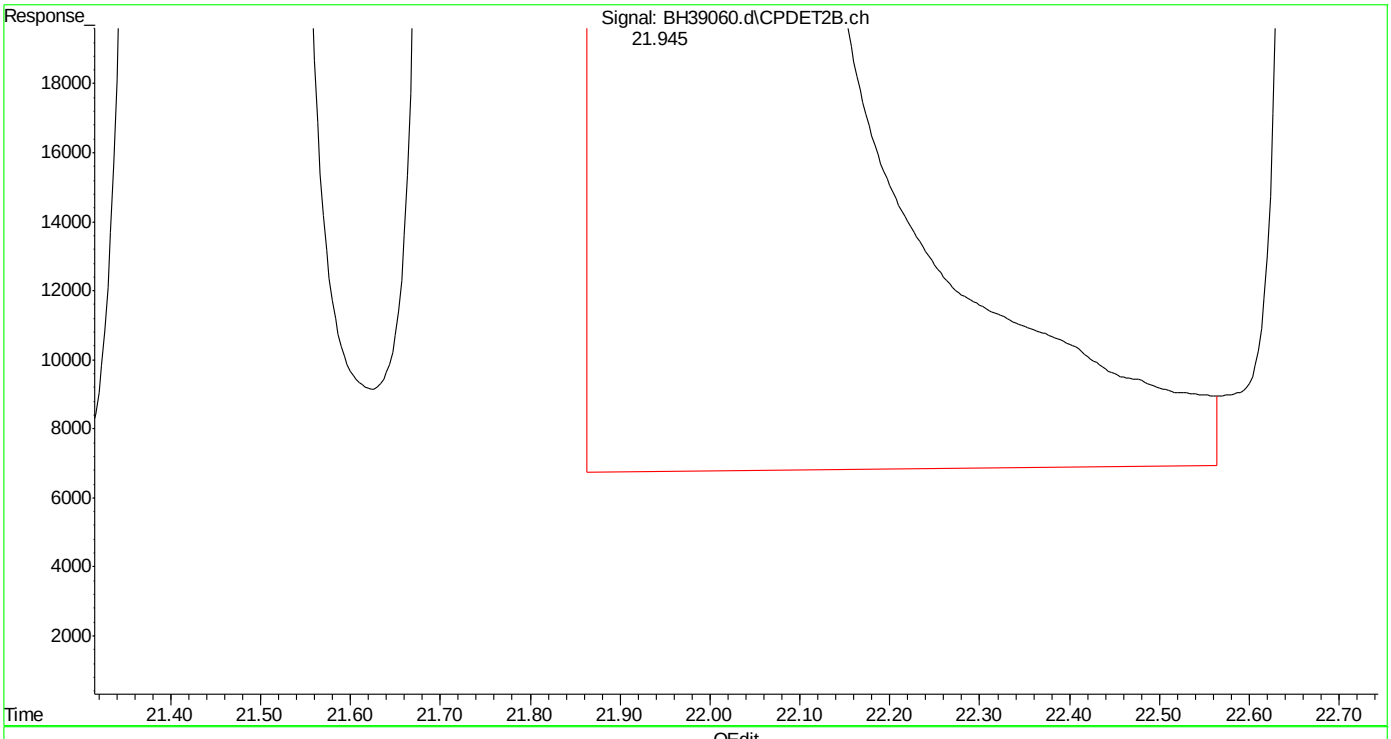
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:09 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.947min 978.497 ppb
response 656507453

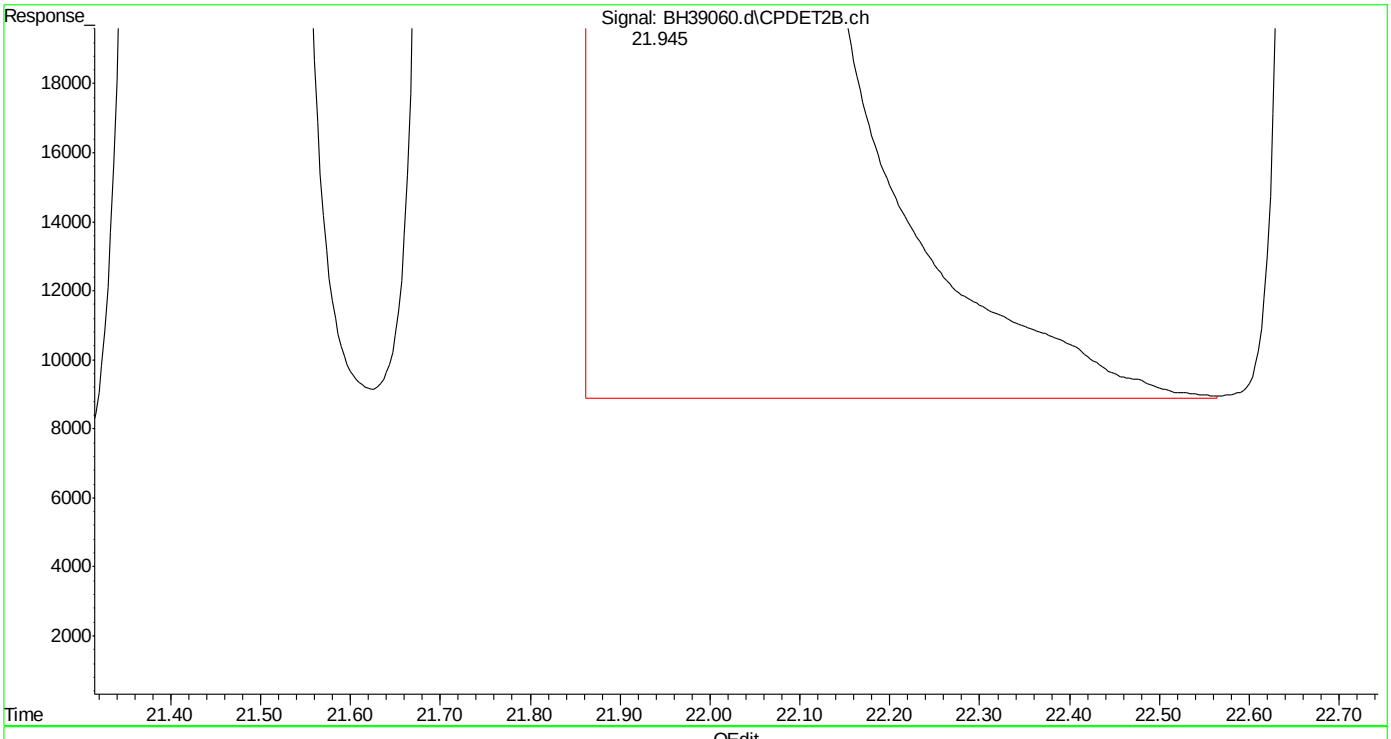
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.945min 977.459 ppb m
response 655811356

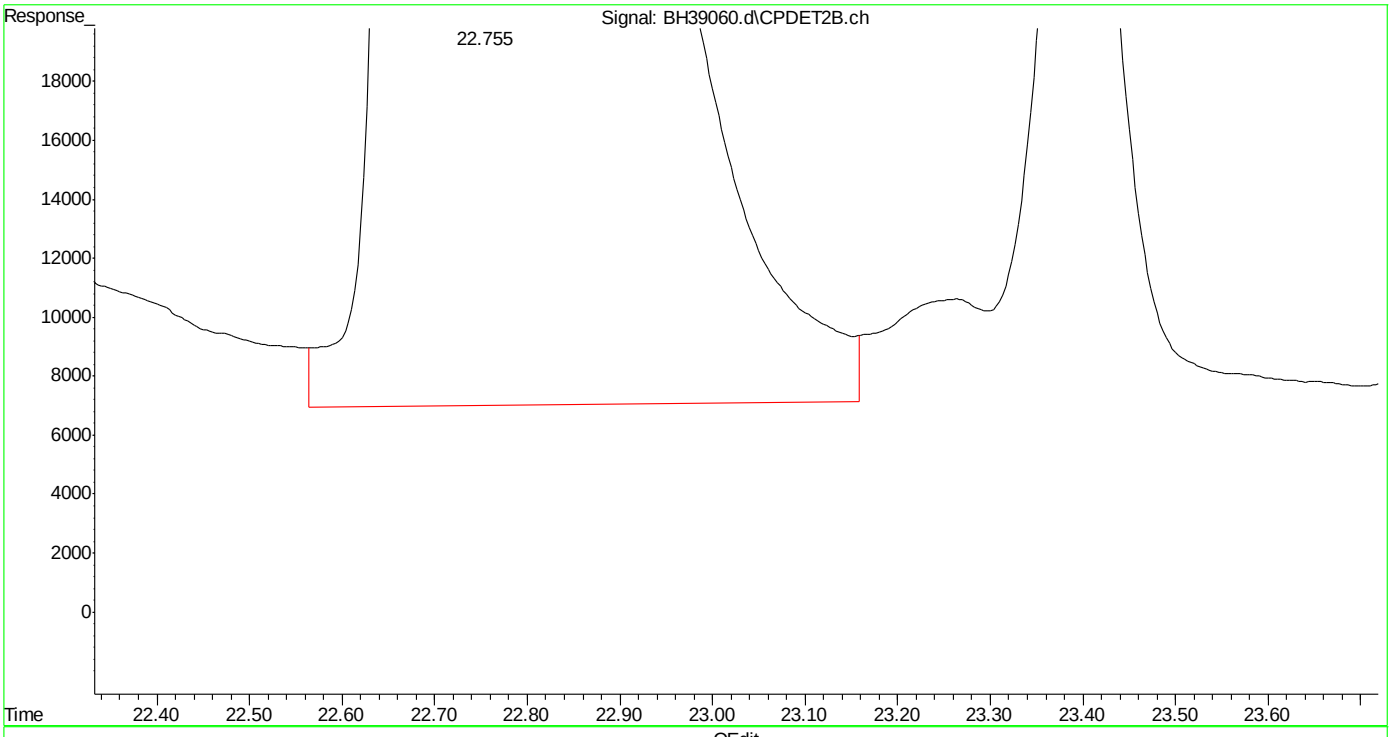
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.756min 491.134 ppb
response 287146502

(+) = Expected Retention Time

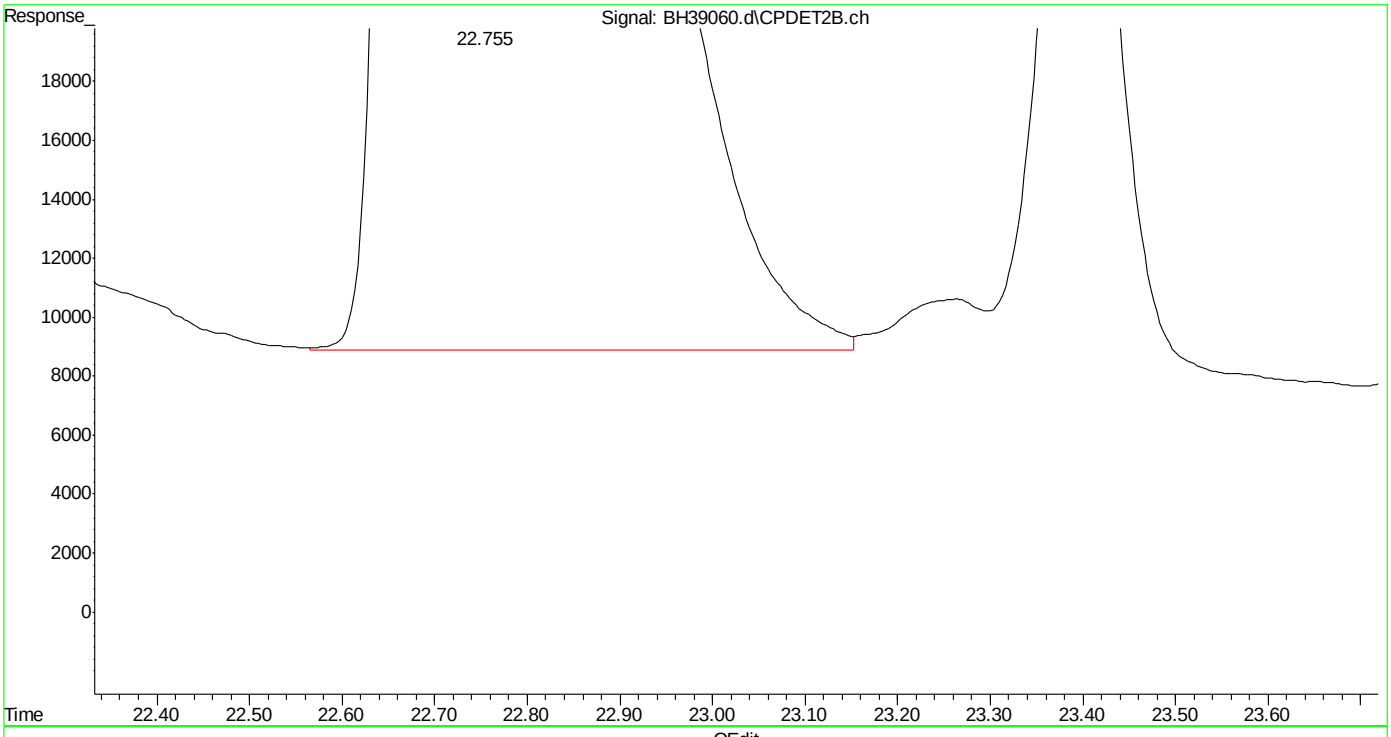
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 490.006 ppb m
response 286487107

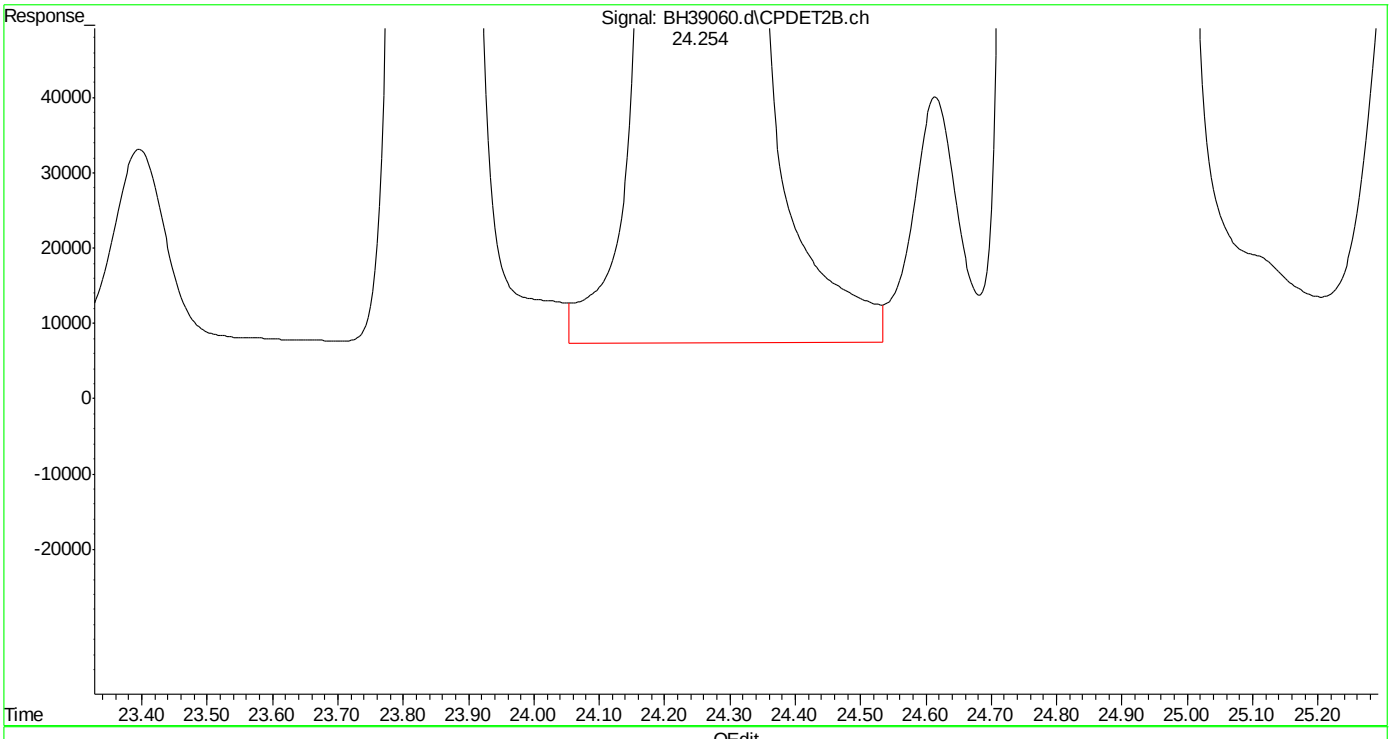
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.256min 471.241 ppb
response 399320795

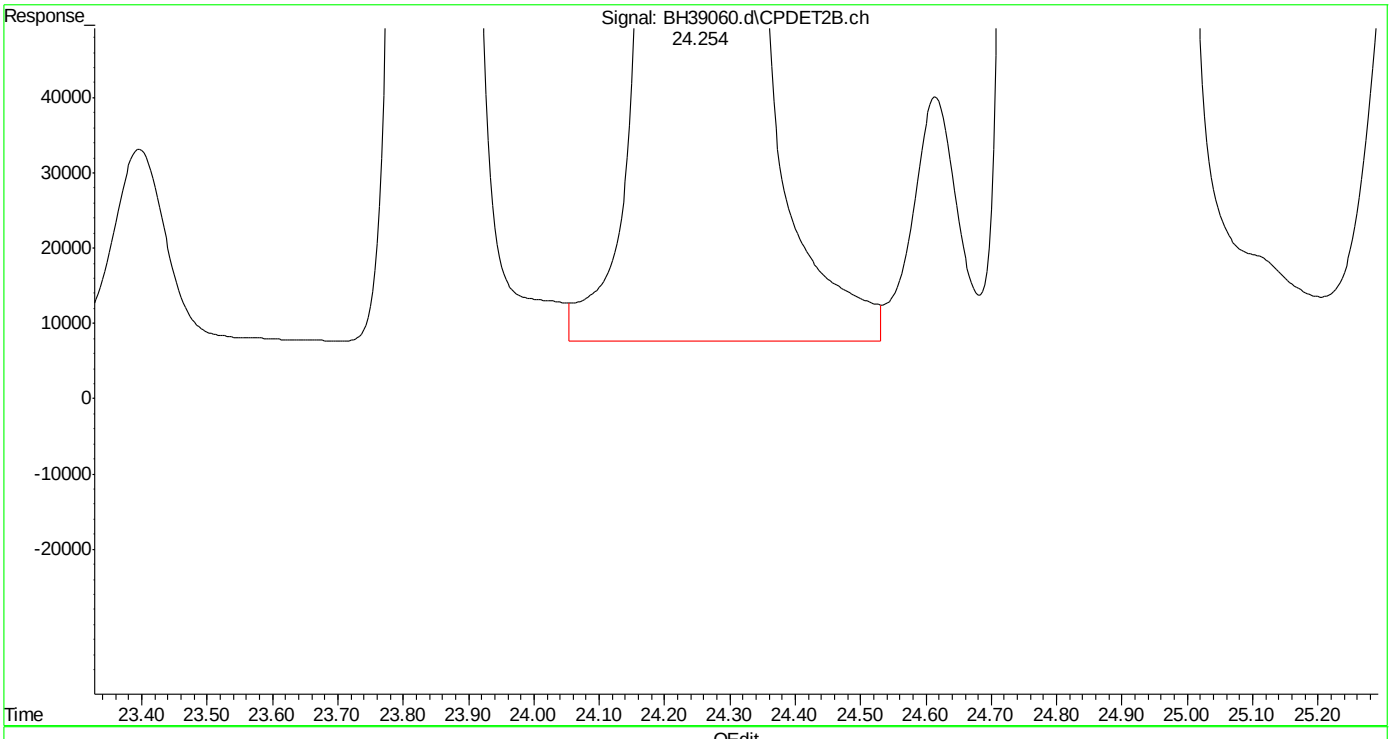
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:47 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.254min 471.160 ppb m
response 399252346

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:58 2016

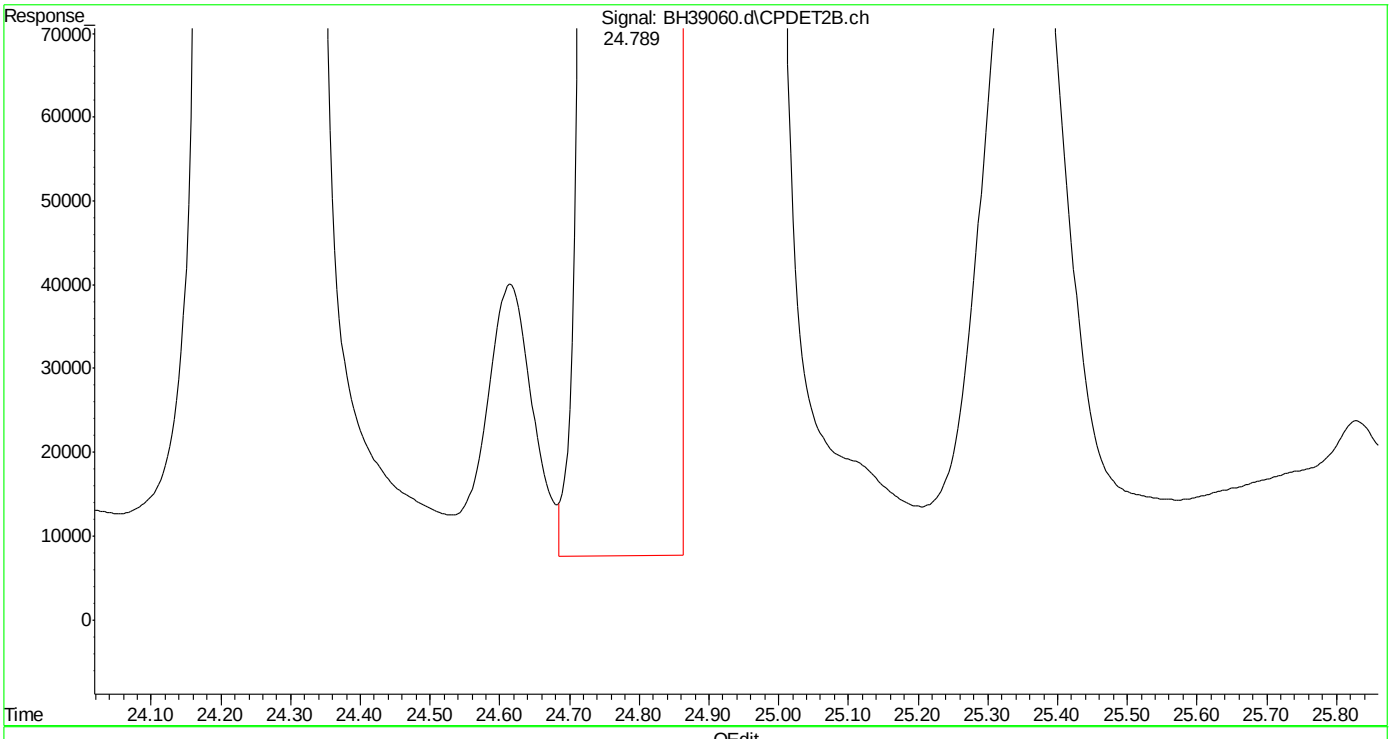
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.791min 464.067 ppb
response 304142136

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:43:02 2016

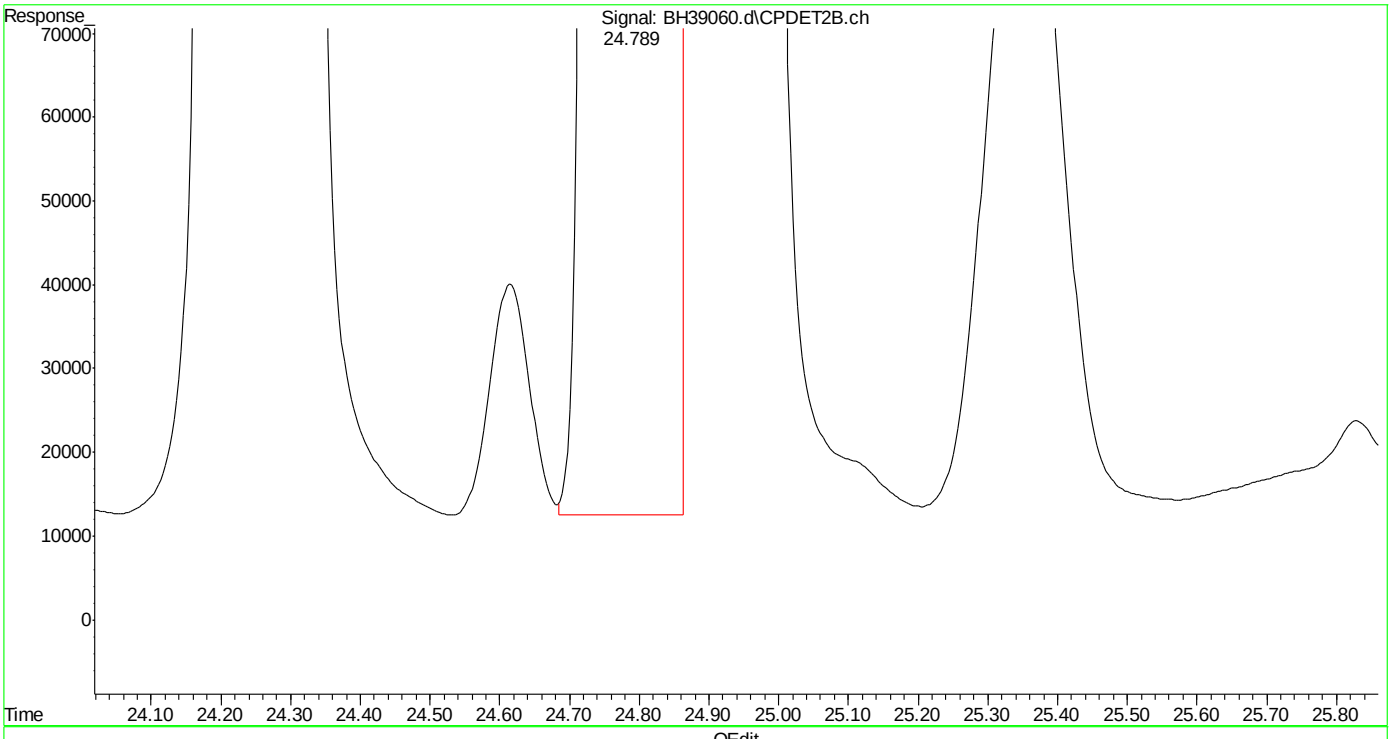
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 463.006 ppb m
response 303447138

(+) = Expected Retention Time

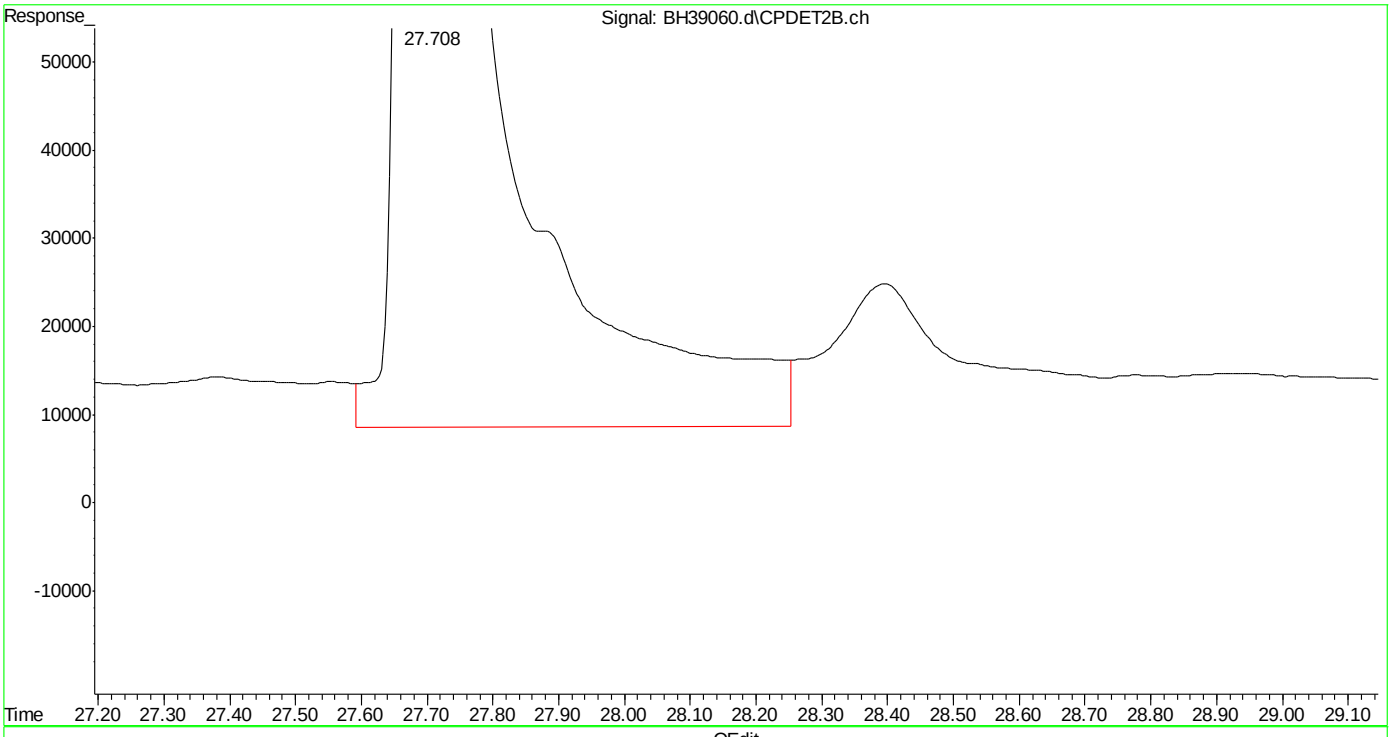
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.710min 407.797 ppb
response 233352165

(+) = Expected Retention Time

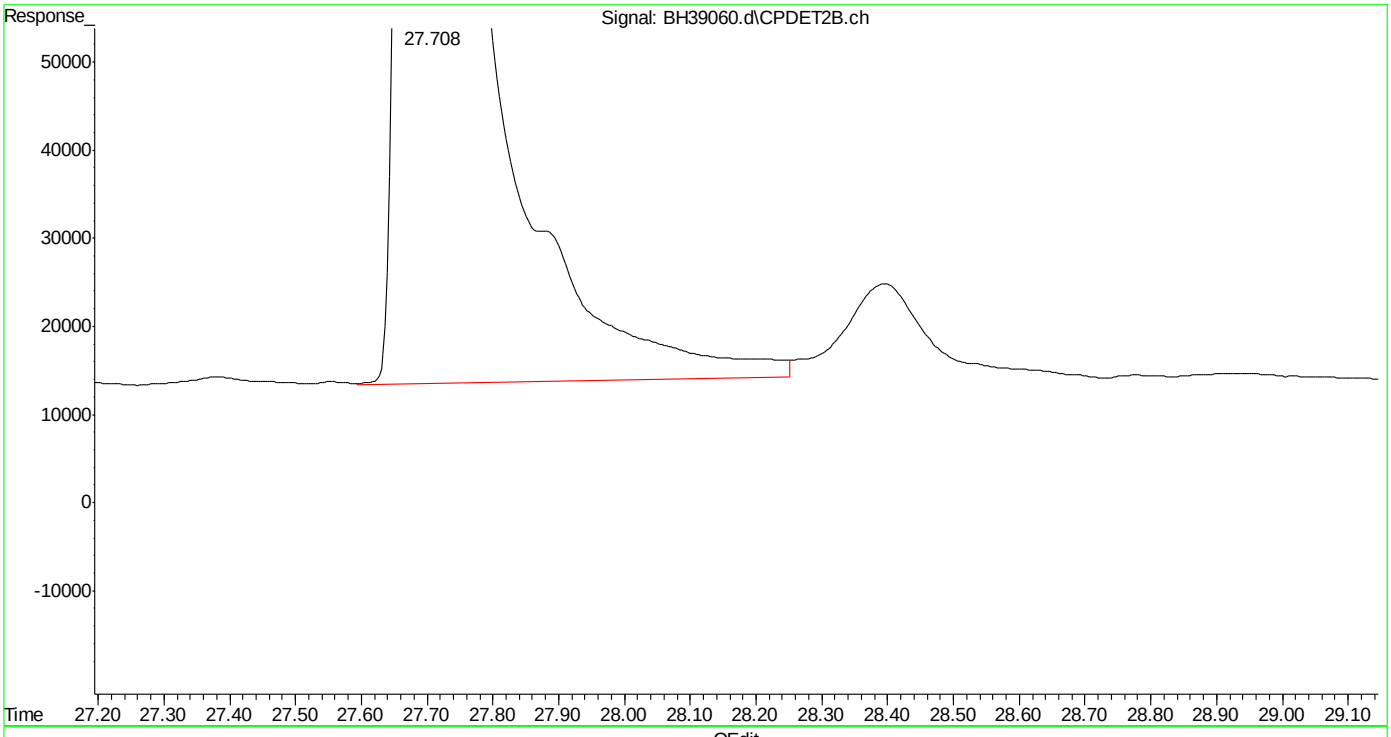
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 404.162 ppb m
response 231271820

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:36:02 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.670	223809943	236.180	ppb	m
Spiked Amount 50.000		Recovery = 472.36%			
9) s 2,3,4-trifluorotoluene	19.784	188329255	228.073	ppb	m
Spiked Amount 50.000		Recovery = 456.15%			
25) s fluorobenzene #2	14.670	98656019	240.591	ppb	m
Spiked Amount 50.000		Recovery = 481.18%			
27) s 2,3,4-trifluorotoluen...	19.784	59896935	232.449	ppb	m
Spiked Amount 50.000		Recovery = 464.90%			
Target Compounds					
1) h rt5.5-7	5.980	213573031	232.155	ppb	m
2) h rt7/10	8.250	237789720	229.888	ppb	m
3) t mtbe	9.014	148221117	234.393	ppb	m
4) h rt10/13	13.360	275524064	215.873	ppb	m
5) t benzene	14.169	283924309	232.085	ppb	
8) t toluene	18.665	287647681	234.574	ppb	m
11) h rt20/25	21.460	263984486	223.615	ppb	m
13) t ethylbenzene	21.799	292386841	242.924	ppb	m
14) t m,p-xylene	21.944	604345701	478.023	ppb	m
15) t o-xylene	22.754	304628584	235.568	ppb	m
16) h decane	23.856	275077235	230.320	ppb	m
17) t 1,3,5-trimethylbenzene	24.254	316087614	231.126	ppb	m
18) t 1,2,4-trimethylbenzene	24.789	312370576	224.082	ppb	m
19) h butylcyclohexane	24.940	294238593	228.669	ppb	m
20) t naphthalene	27.708	185177296	214.383	ppb	m
23) t mtbe #2	9.015	69107837	240.742	ppb	m
24) t benzene #2	14.167	156430291	232.950	ppb	m
26) t toluene #2	18.665	147395455	235.714	ppb	m
28) t ethylbenzene #2	21.799	132881798	242.226	ppb	m
29) t m,p-xylene #2	21.943	318061300	469.993	ppb	m
30) t o-xylene #2	22.754	138866543	235.556	ppb	m
31) t 1,3,5-trimethylbenzen...	24.253	197934709	231.055	ppb	m
32) t 1,2,4-trimethylbenzen...	24.788	151307419	227.961	ppb	m
33) t naphthalene #2	27.707	123172740	210.379	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	150904765	227.206	ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

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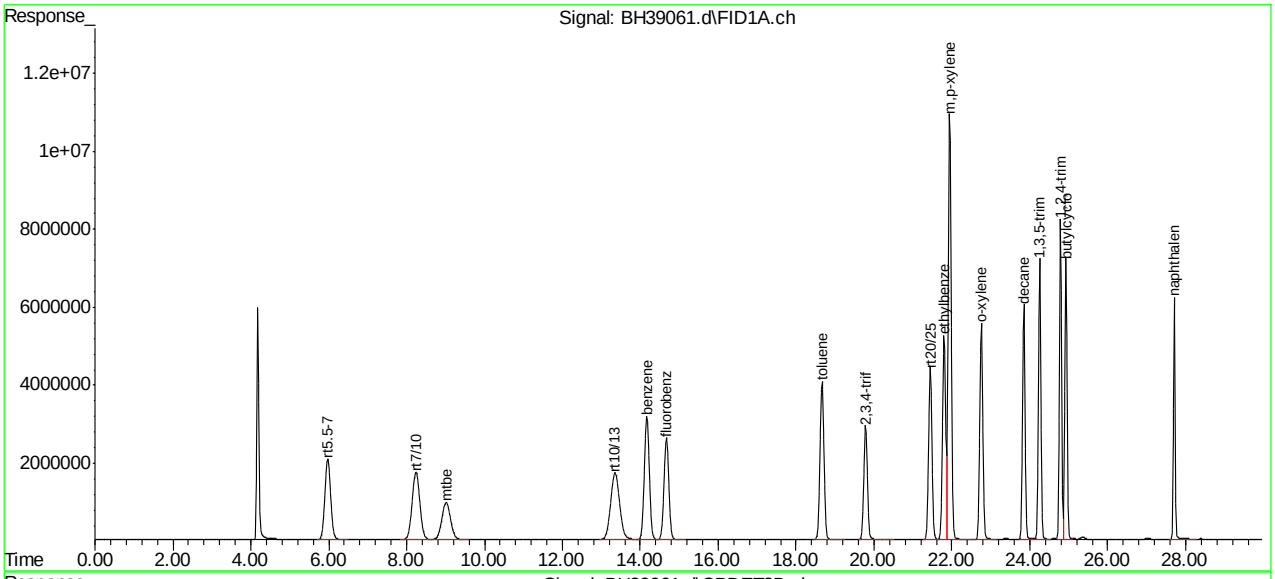
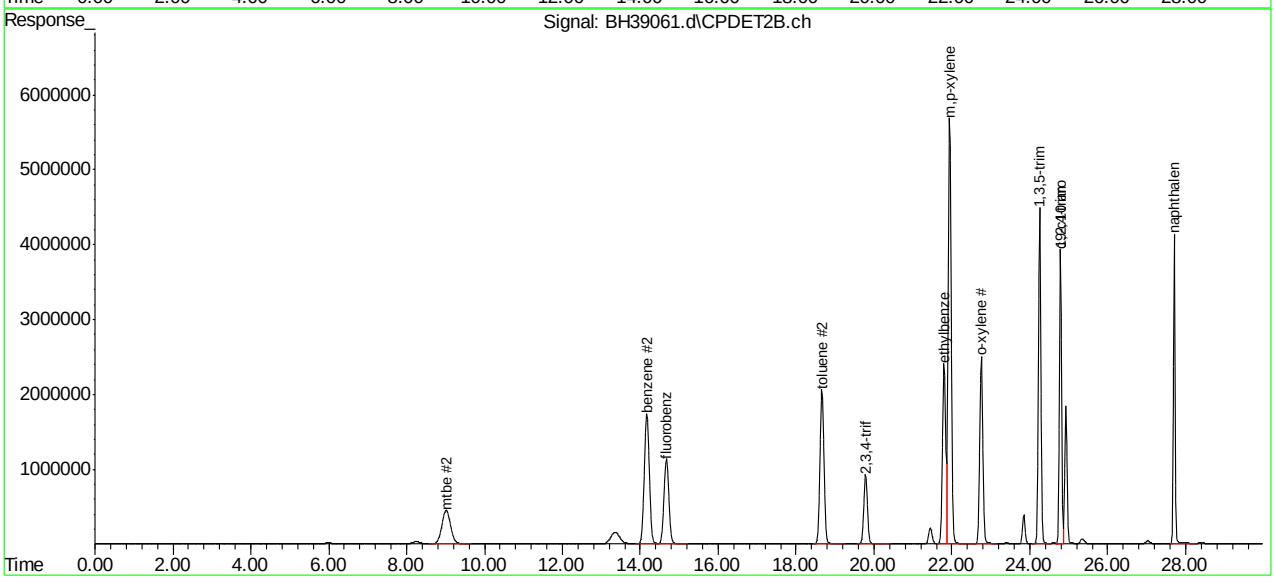
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

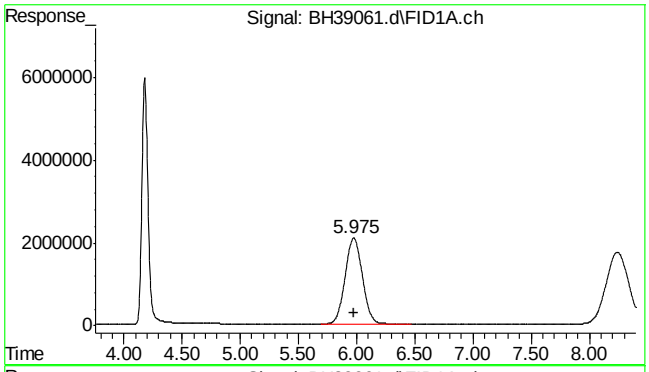
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:36:02 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



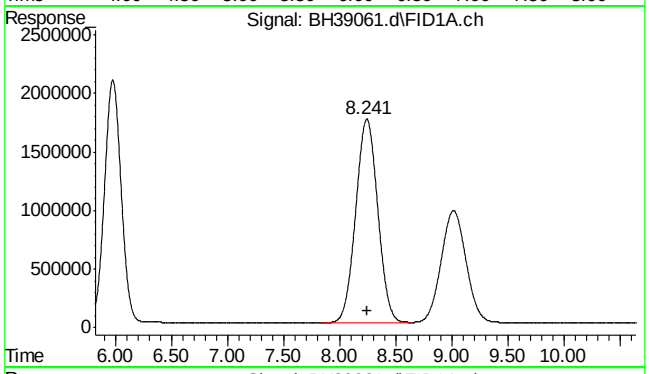


SGS ACCUTEST MC45754



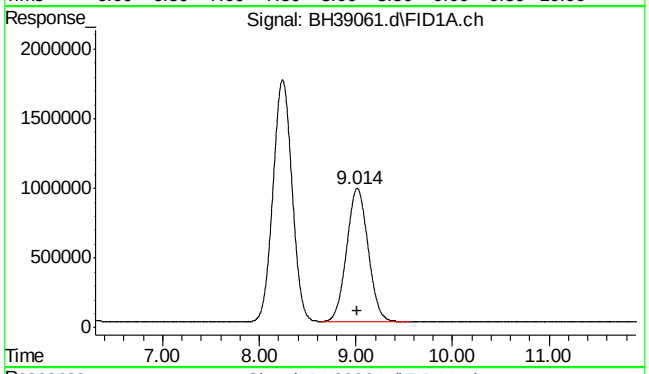
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 213573031
Conc: 232.15 ppb m



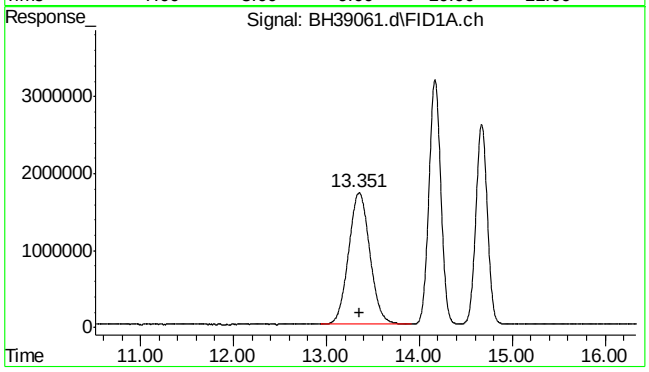
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 237789720
Conc: 229.89 ppb m



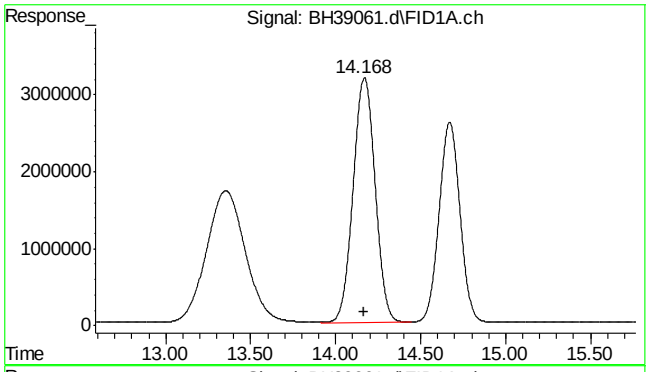
#3 mtbe

R.T.: 9.014 min
Delta R.T.: 0.001 min
Response: 148221117
Conc: 234.39 ppb m



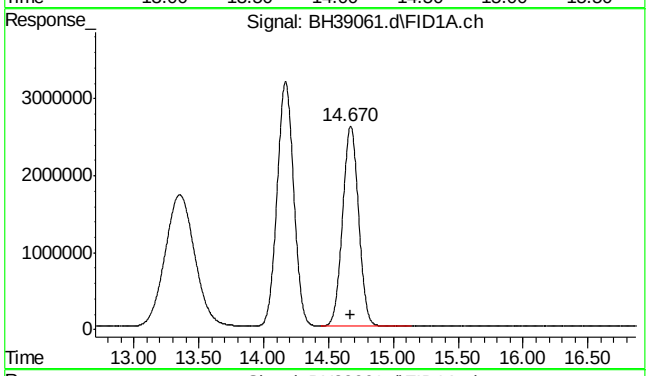
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 275524064
Conc: 215.87 ppb m



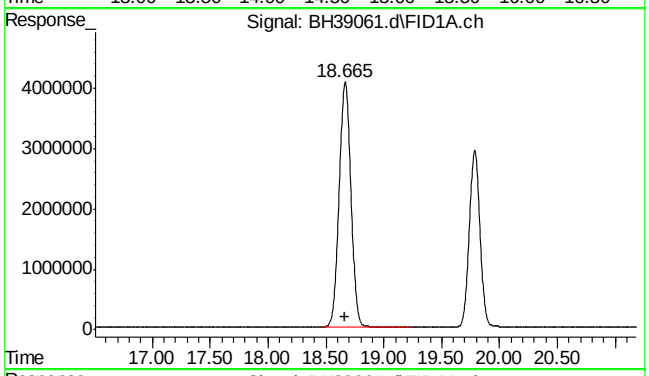
#5 benzene

R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 283924309
Conc: 232.09 ppb



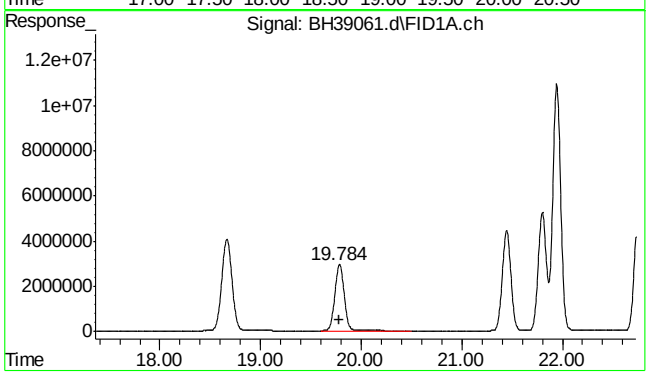
#6 fluorobenzene

R.T.: 14.670 min
Delta R.T.: 0.001 min
Response: 223809943
Conc: 236.18 ppb m



#8 toluene

R.T.: 18.665 min
Delta R.T.: 0.001 min
Response: 287647681
Conc: 234.57 ppb m



#9 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 188329255
Conc: 228.07 ppb m

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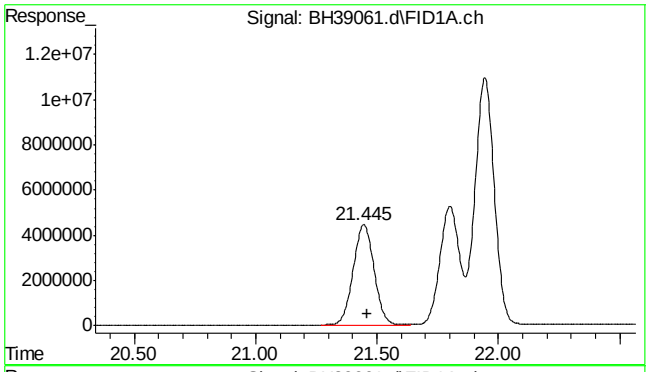
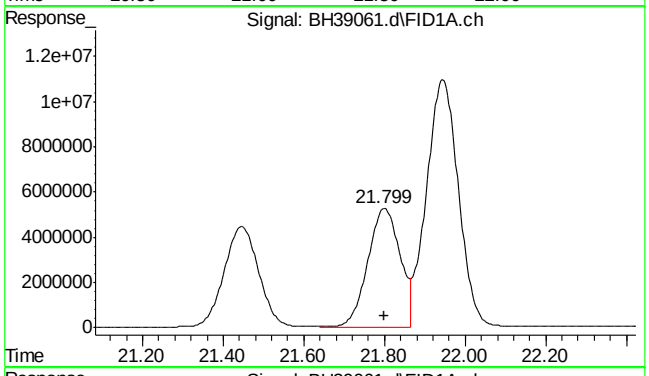


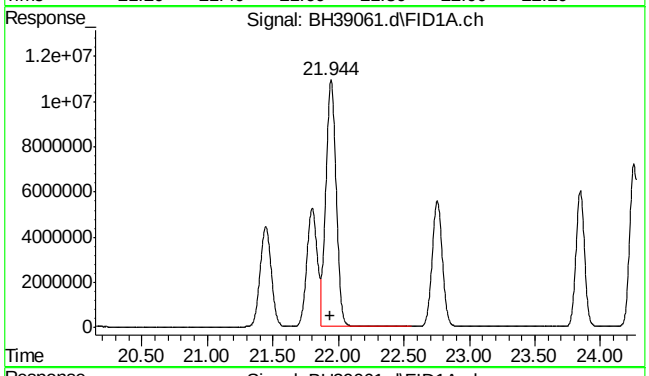
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 263984486
Conc: 223.61 ppb m



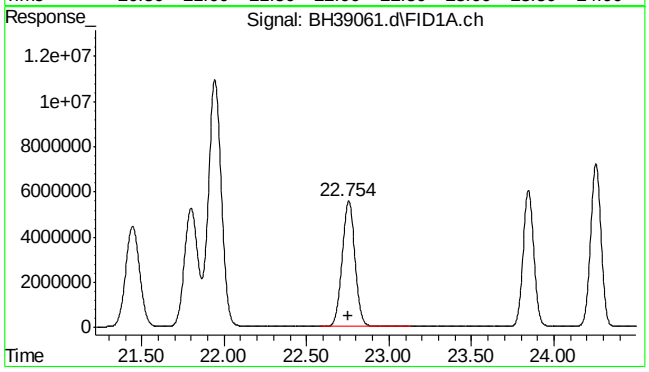
#13 ethylbenzene

R.T.: 21.799 min
Delta R.T.: 0.001 min
Response: 292386841
Conc: 242.92 ppb m



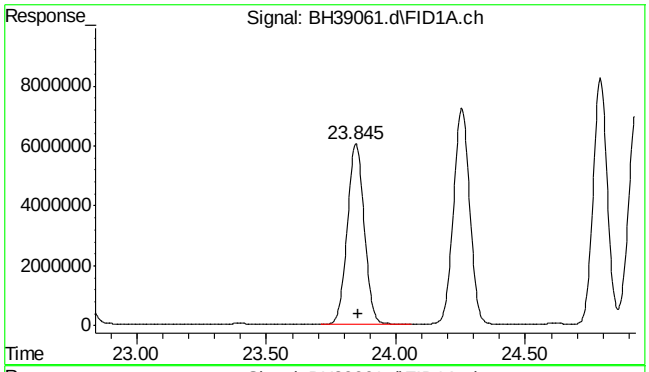
#14 m,p-xylene

R.T.: 21.944 min
Delta R.T.: 0.002 min
Response: 604345701
Conc: 478.02 ppb m



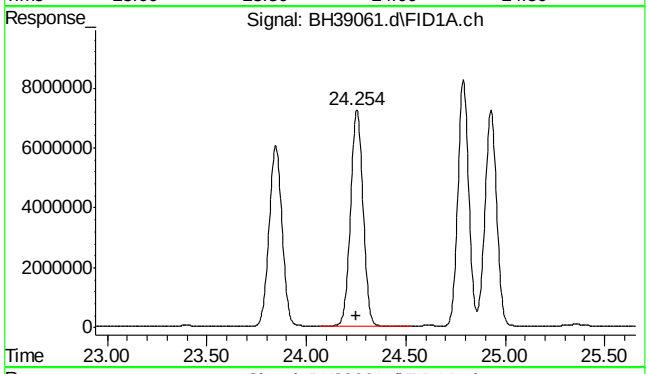
#15 o-xylene

R.T.: 22.754 min
Delta R.T.: 0.001 min
Response: 304628584
Conc: 235.57 ppb m



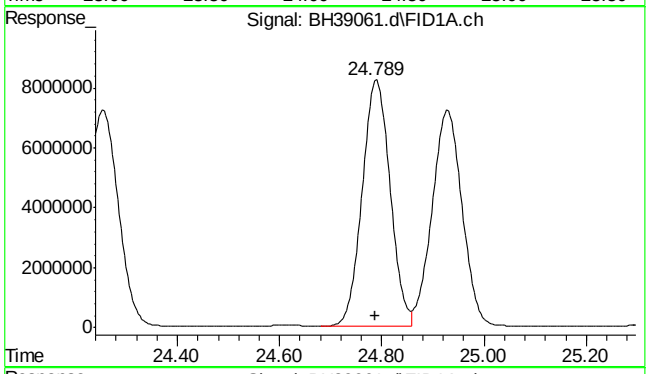
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 275077235
Conc: 230.32 ppb m



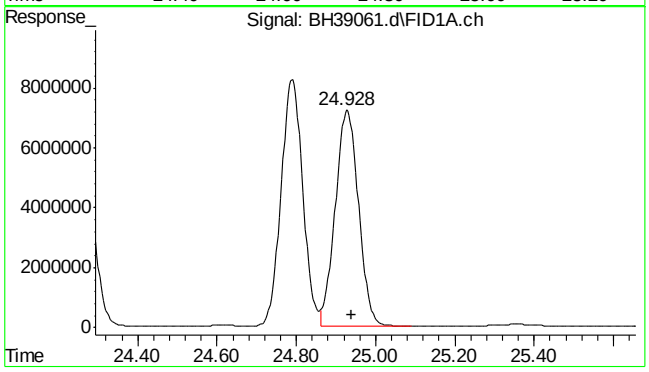
#17 1,3,5-trimethylbenzene

R.T.: 24.254 min
Delta R.T.: 0.002 min
Response: 316087614
Conc: 231.13 ppb m



#18 1,2,4-trimethylbenzene

R.T.: 24.789 min
Delta R.T.: 0.000 min
Response: 312370576
Conc: 224.08 ppb m



#19 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 294238593
Conc: 228.67 ppb m

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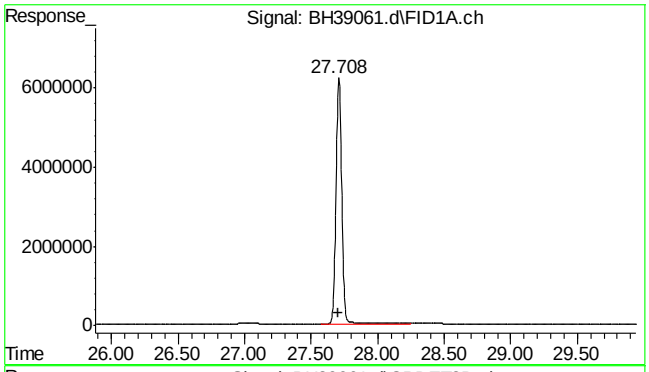
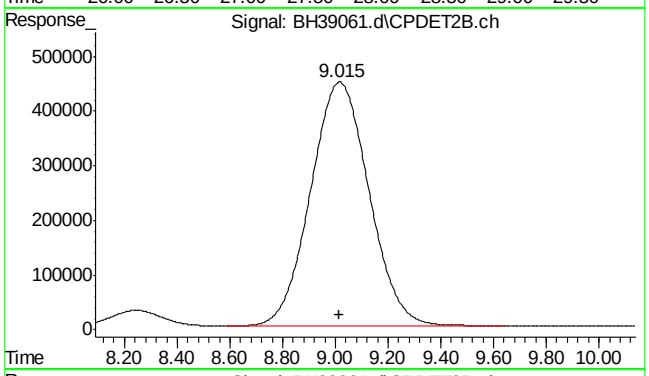


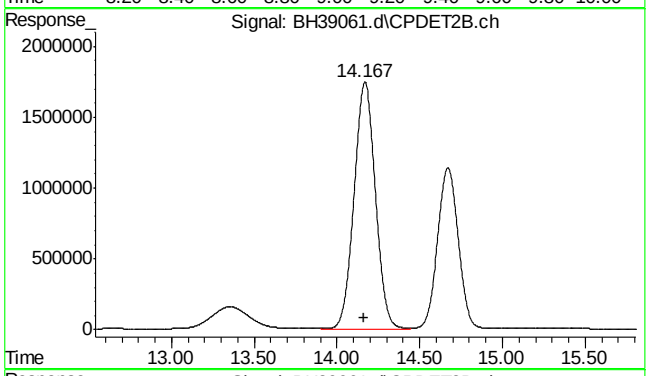
#20 naphthalene

R.T.: 27.708 min
Delta R.T.: 0.000 min
Response: 185177296
Conc: 214.38 ppb m



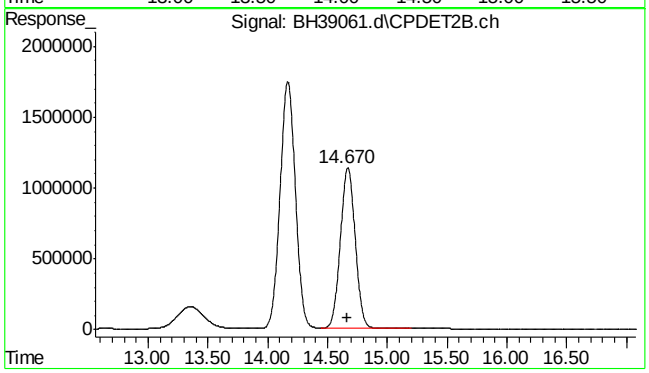
#23 mtbe #2

R.T.: 9.015 min
Delta R.T.: 0.002 min
Response: 69107837
Conc: 240.74 ppb m



#24 benzene #2

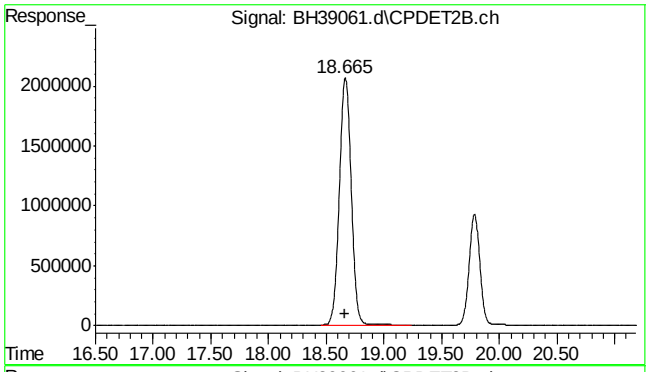
R.T.: 14.167 min
Delta R.T.: 0.001 min
Response: 156430291
Conc: 232.95 ppb m



#25 fluorobenzene #2

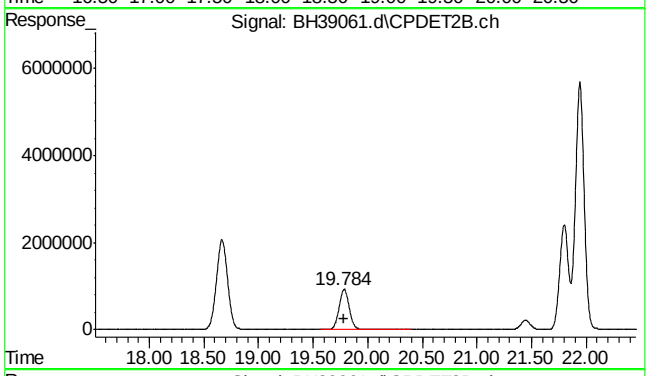
R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 98656019
Conc: 240.59 ppb m

SGS ACCUTEST MC45754



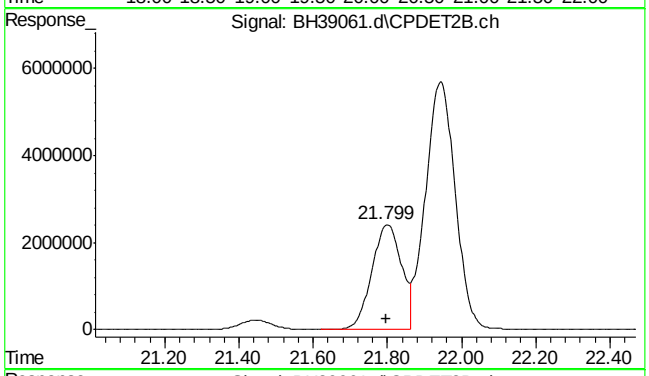
#26 toluene #2

R.T.: 18.665 min
Delta R.T.: 0.000 min
Response: 147395455
Conc: 235.71 ppb m



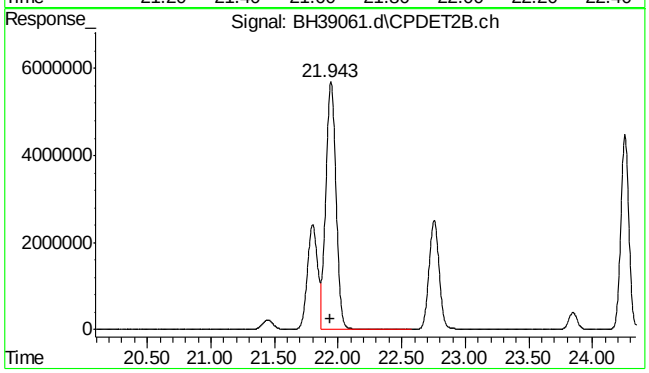
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 59896935
Conc: 232.45 ppb m



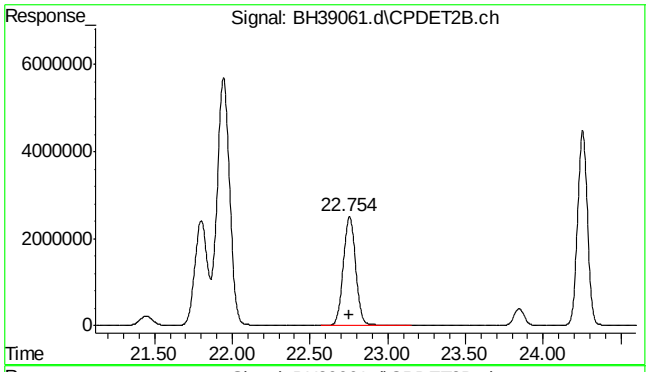
#28 ethylbenzene #2

R.T.: 21.799 min
Delta R.T.: 0.002 min
Response: 132881798
Conc: 242.23 ppb m



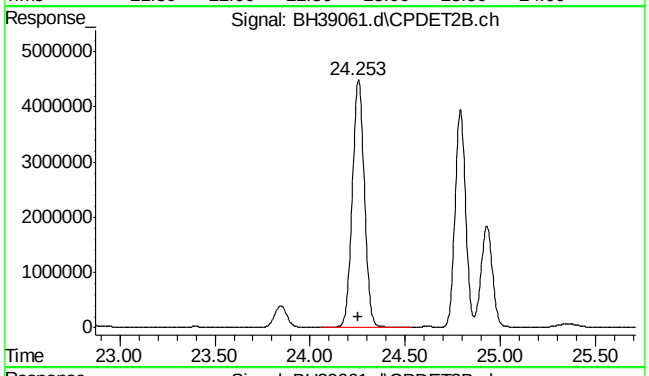
#29 m,p-xylene #2

R.T.: 21.943 min
Delta R.T.: 0.002 min
Response: 318061300
Conc: 469.99 ppb m



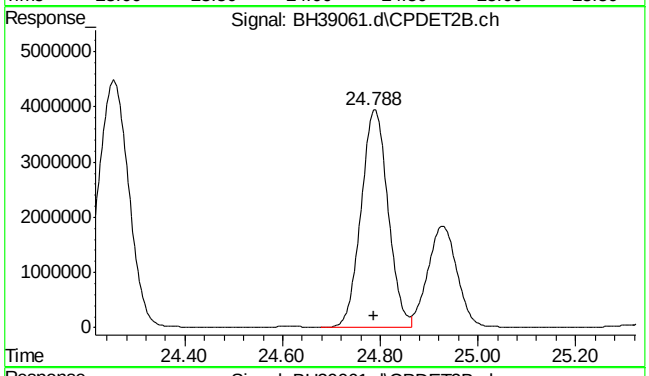
#30 o-xylene #2

R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 138866543
Conc: 235.56 ppb m



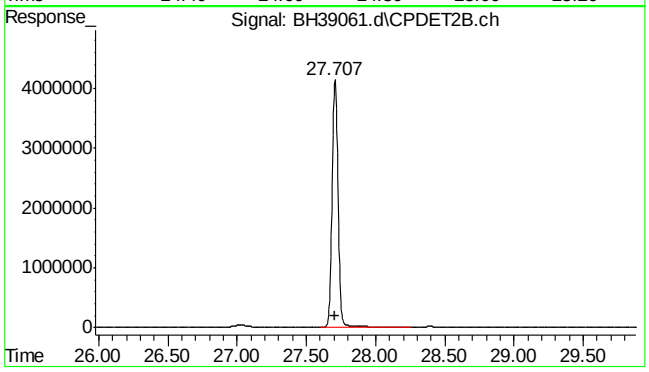
#31 1,3,5-trimethylbenzene #2

R.T.: 24.253 min
Delta R.T.: 0.001 min
Response: 197934709
Conc: 231.06 ppb m



#32 1,2,4-trimethylbenzene #2

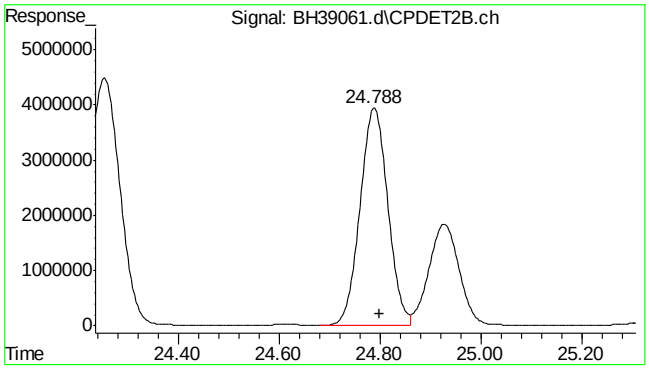
R.T.: 24.788 min
Delta R.T.: 0.001 min
Response: 151307419
Conc: 227.96 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.001 min
Response: 123172740
Conc: 210.38 ppb m

SGS ACCUTEST MC45754



#34 c9-c10 arom as 1,2,4-tmb

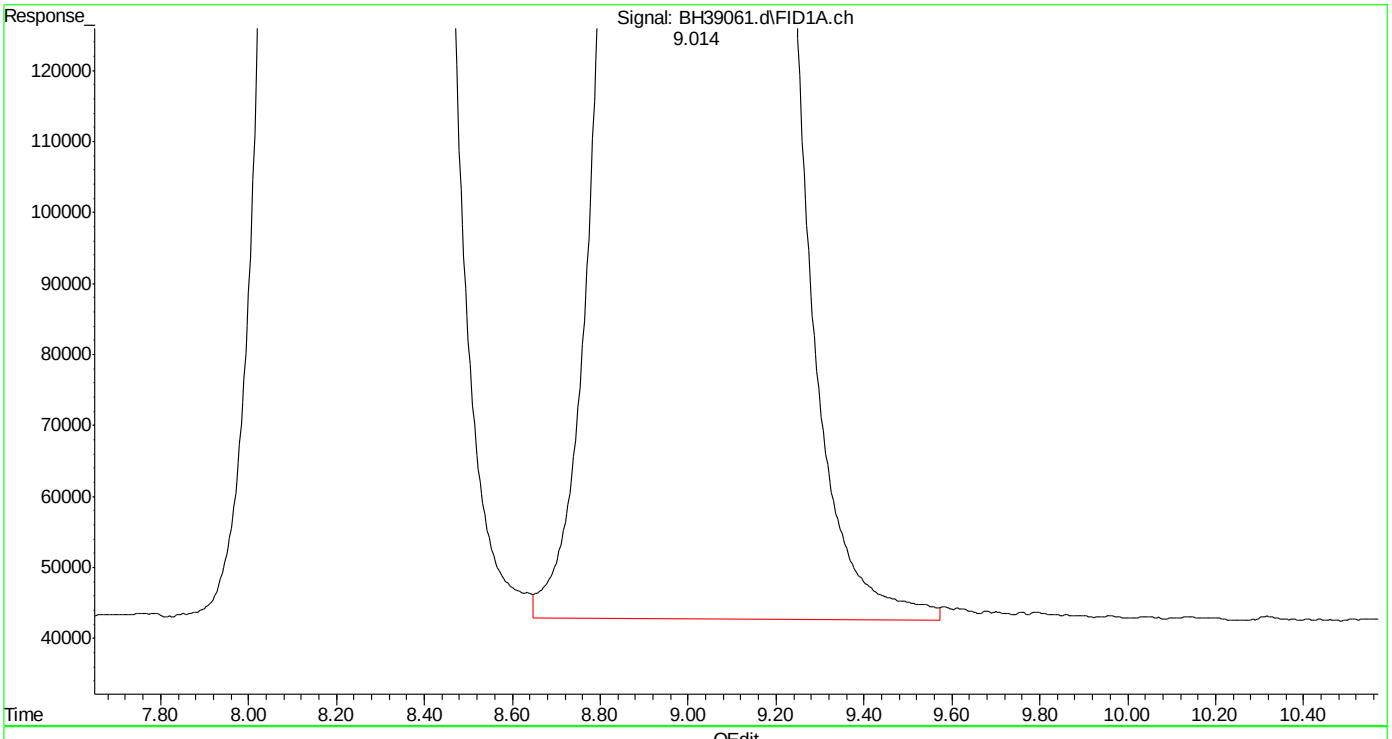
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 150904765
Conc: 227.21 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.016min 234.594 ppb
response 148348175

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:30:49 2016

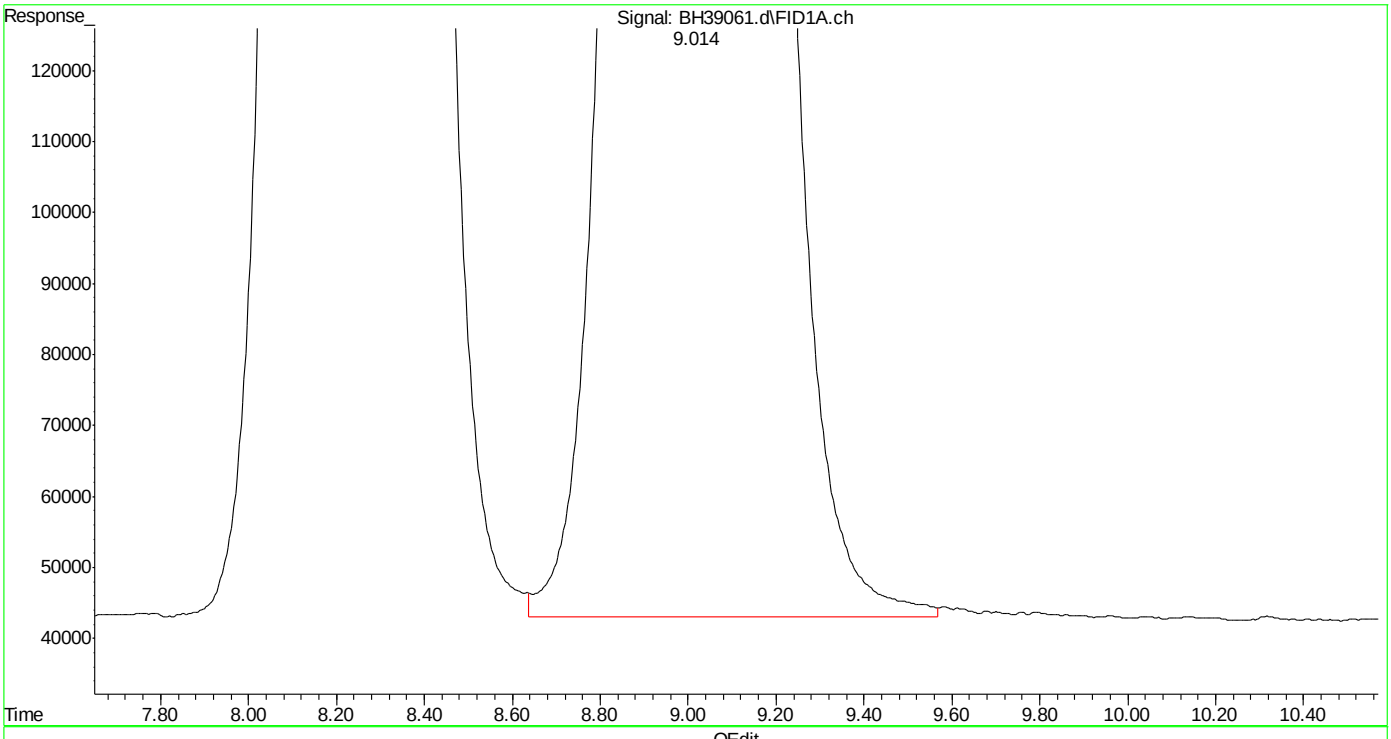
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.014min 234.393 ppb m
response 148221117

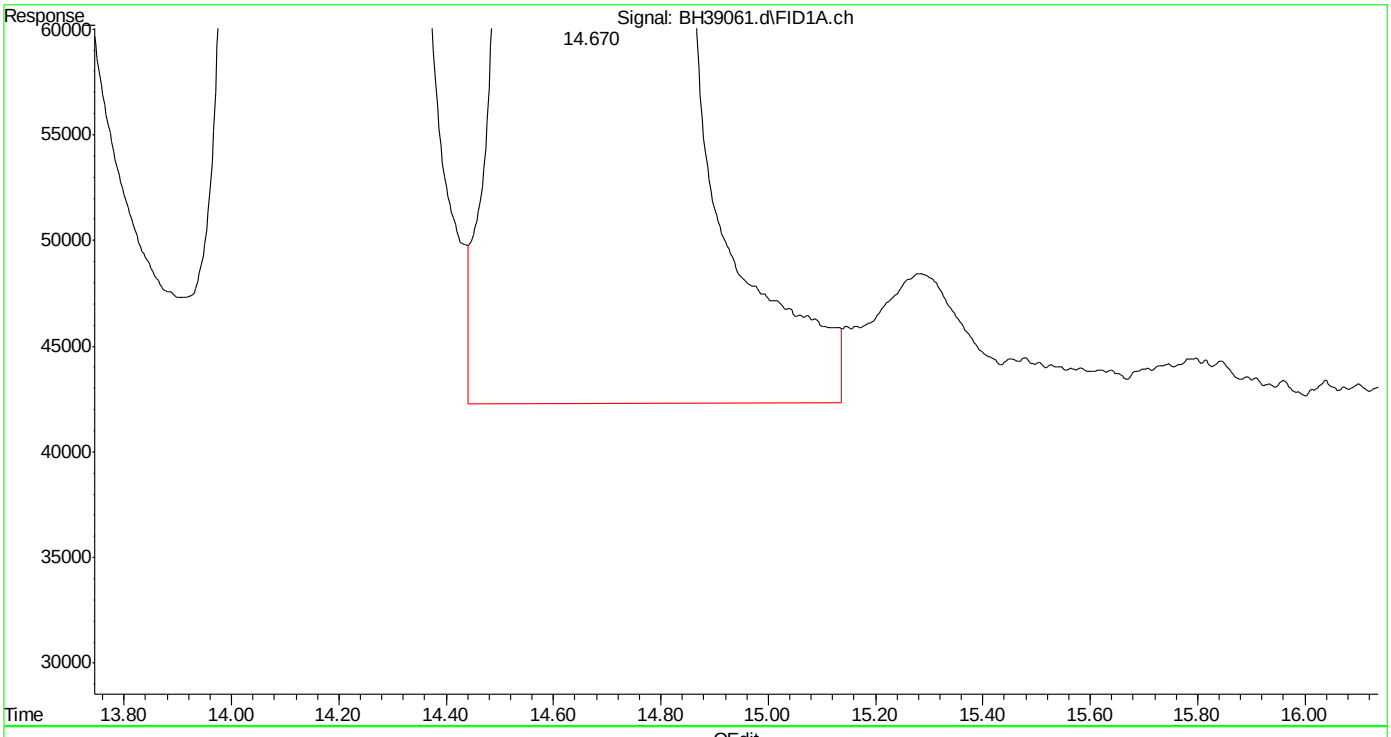
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:30:58 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.672min 237.934 ppb
response 225472377

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:18 2016 Page: 1

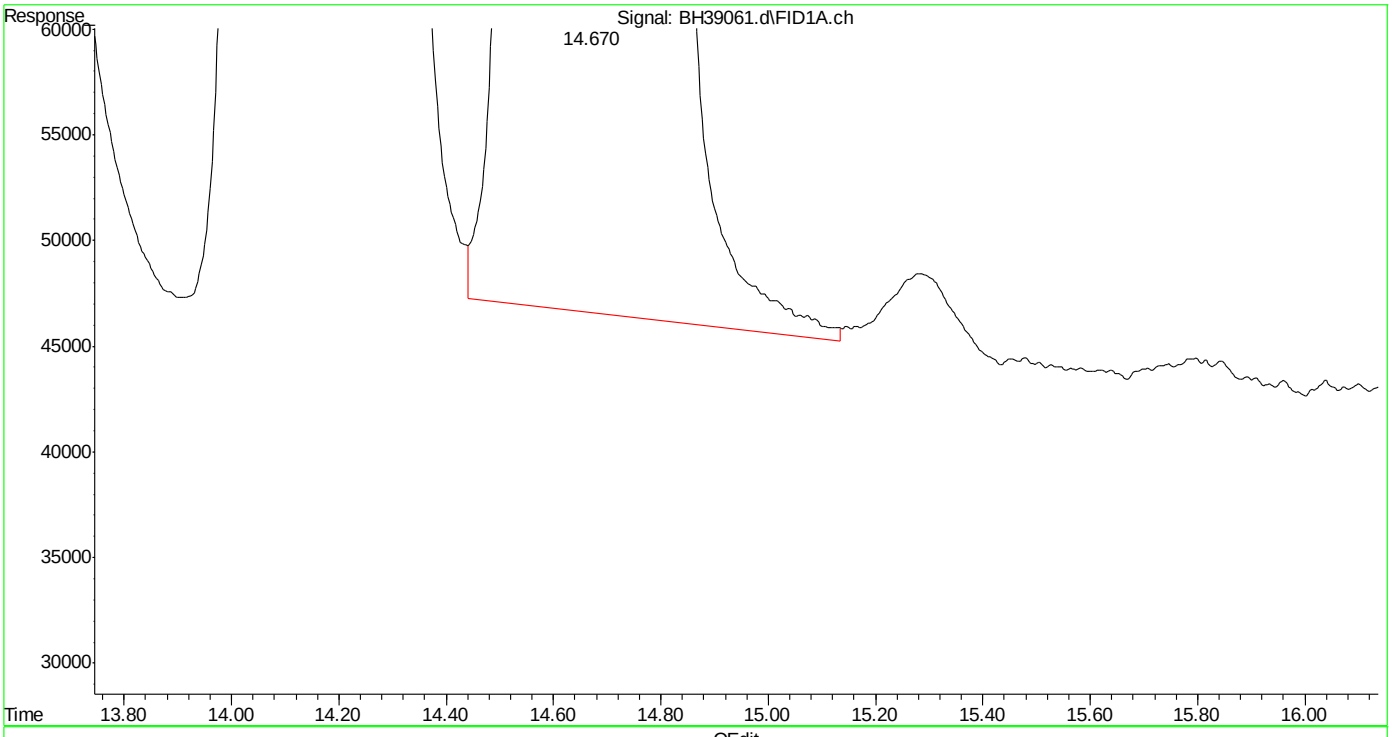
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.670min 236.180 ppb m
response 223809943

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:27 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(8) toluene (t)
18.667min 235.108 ppb
response 288301625

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:33 2016

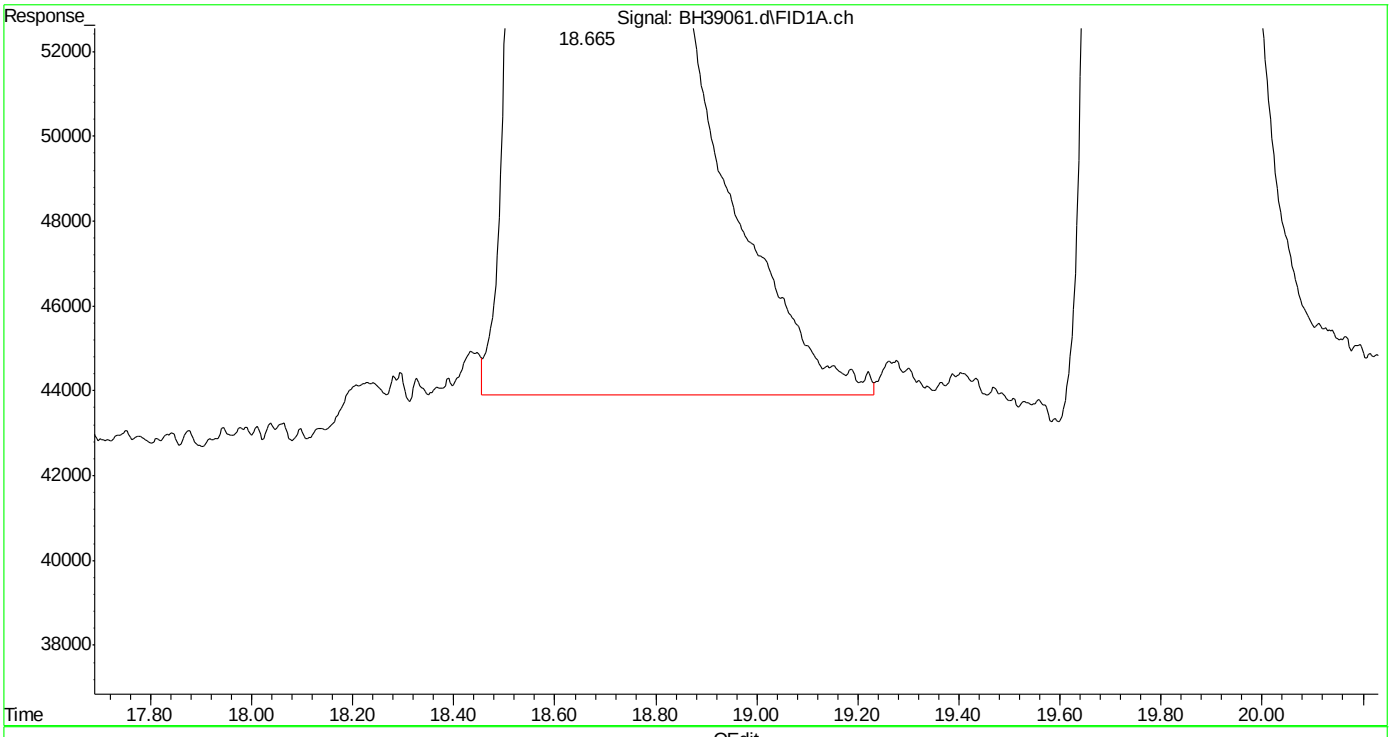
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.665min 234.574 ppb m
response 287647681

(+) = Expected Retention Time

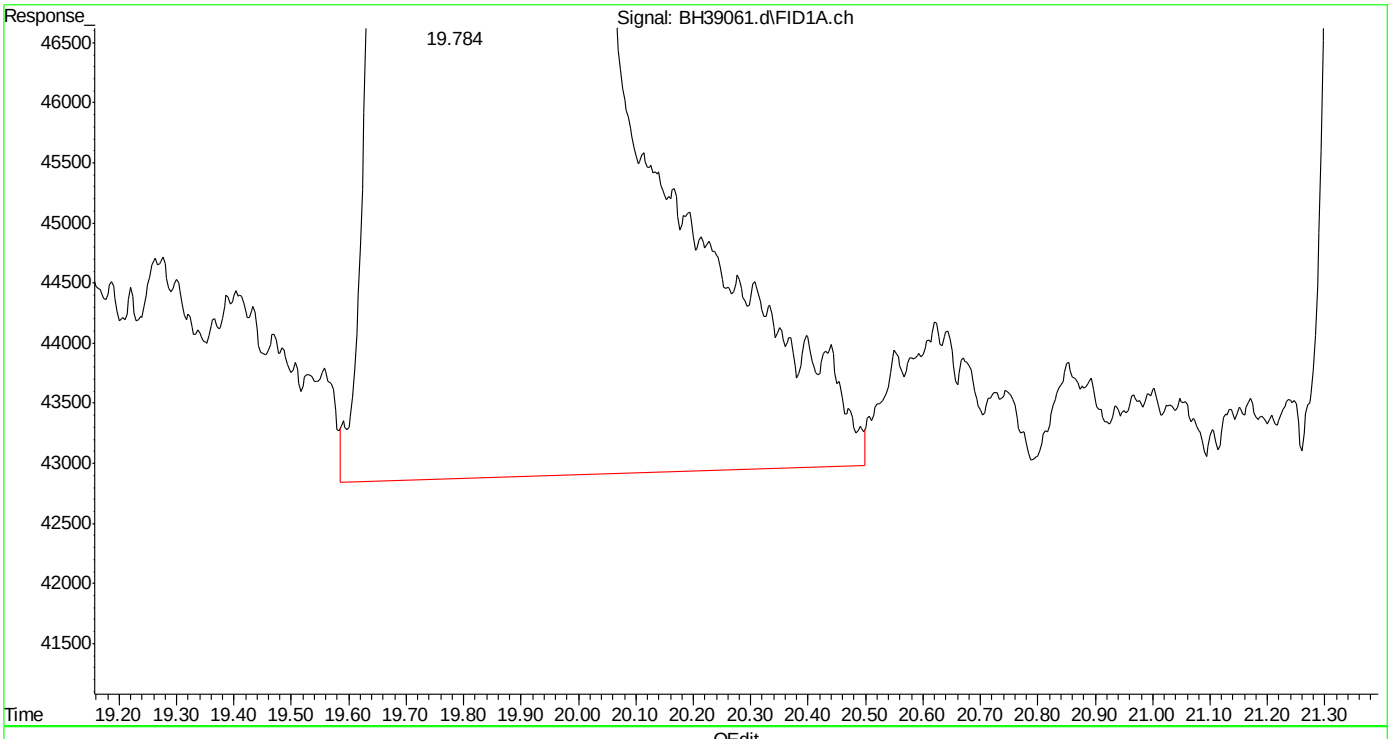
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.786min 228.296 ppb
response 188512699

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:45 2016 Page: 1

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(9) 2,3,4-trifluorotoluene (s)
19.784min 228.073 ppb m
response 188329255

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:51 2016

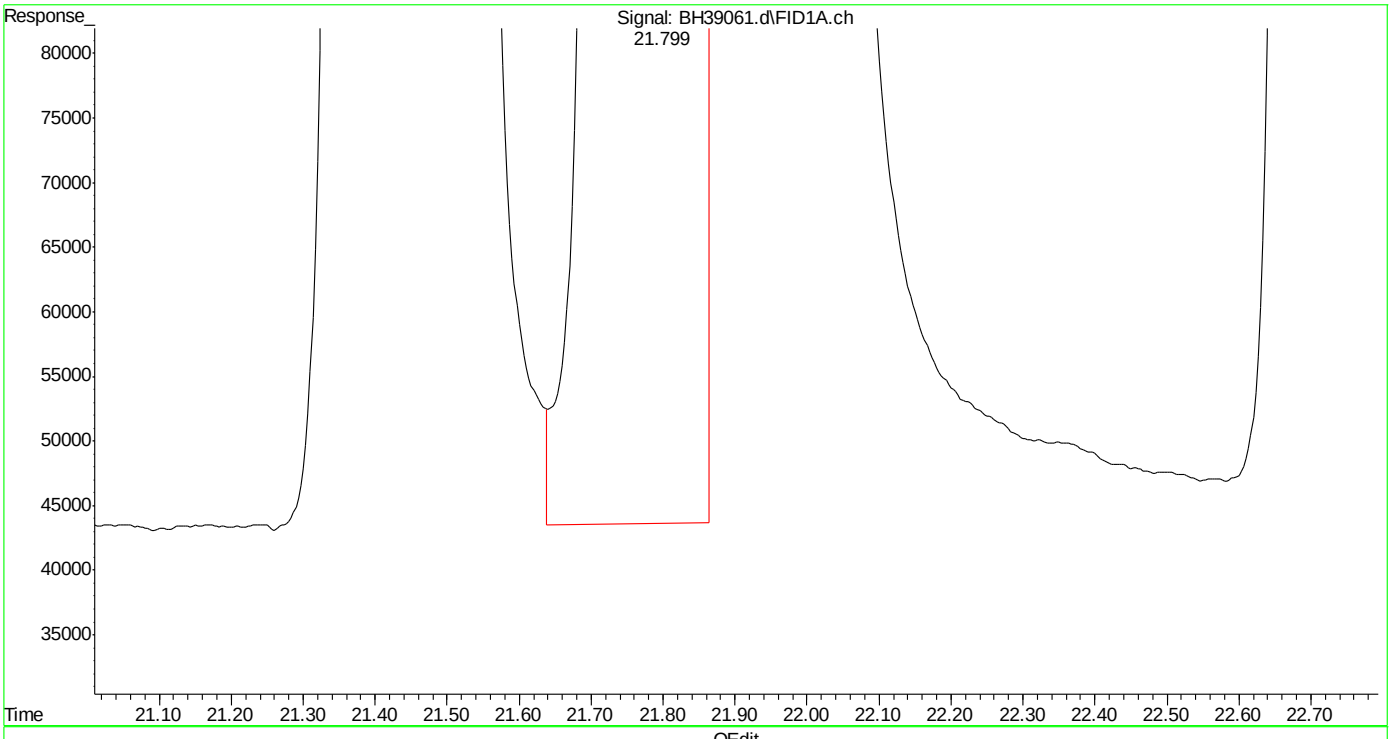
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.801min 239.492 ppb
response 288256369

(+) = Expected Retention Time

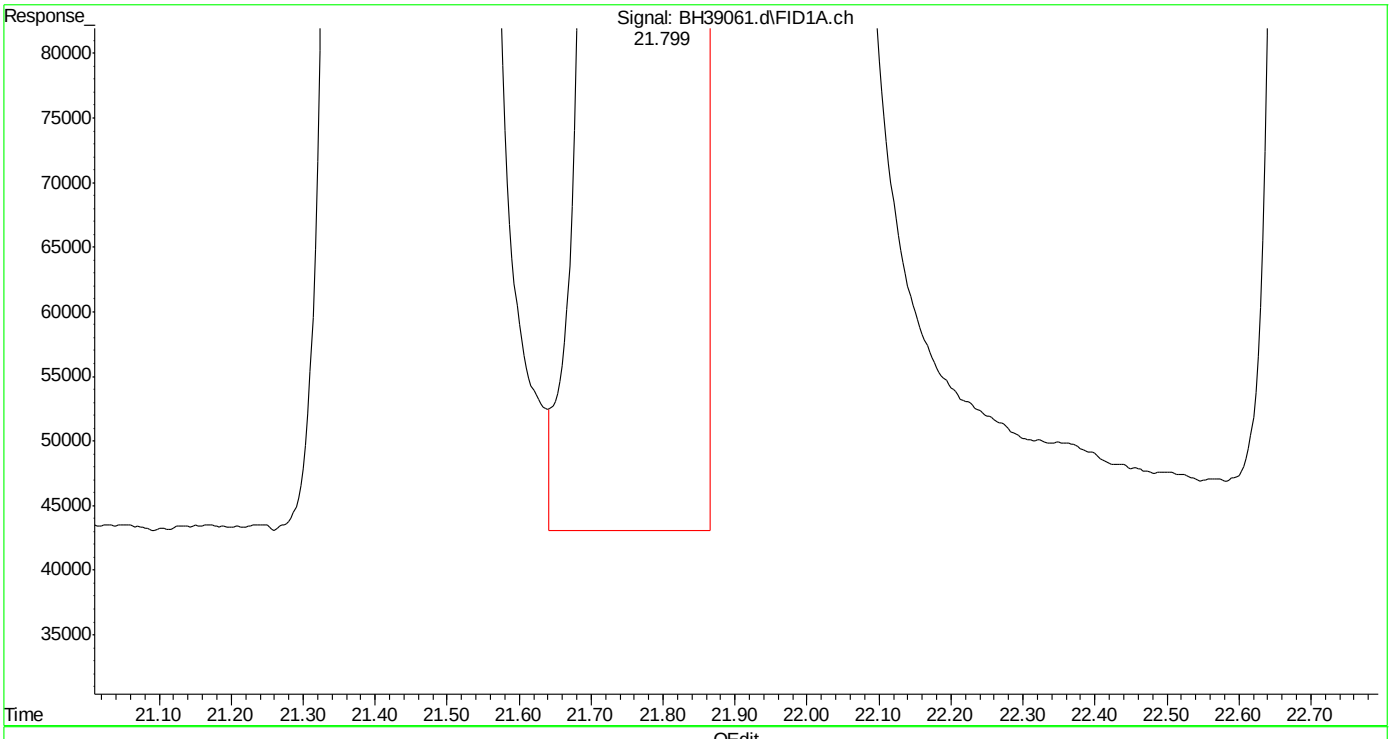
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 242.924 ppb m
response 292386841

(+) = Expected Retention Time

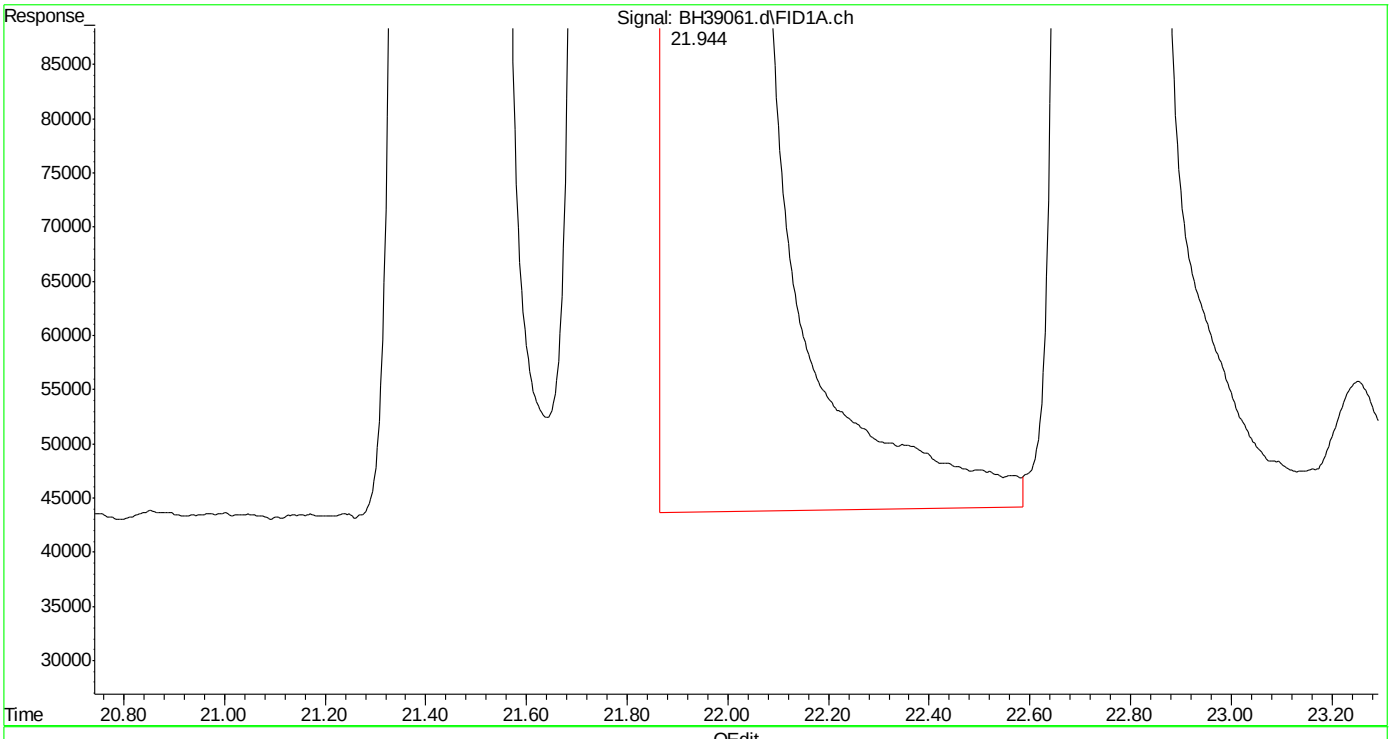
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.945min 480.222 ppb
response 607124903

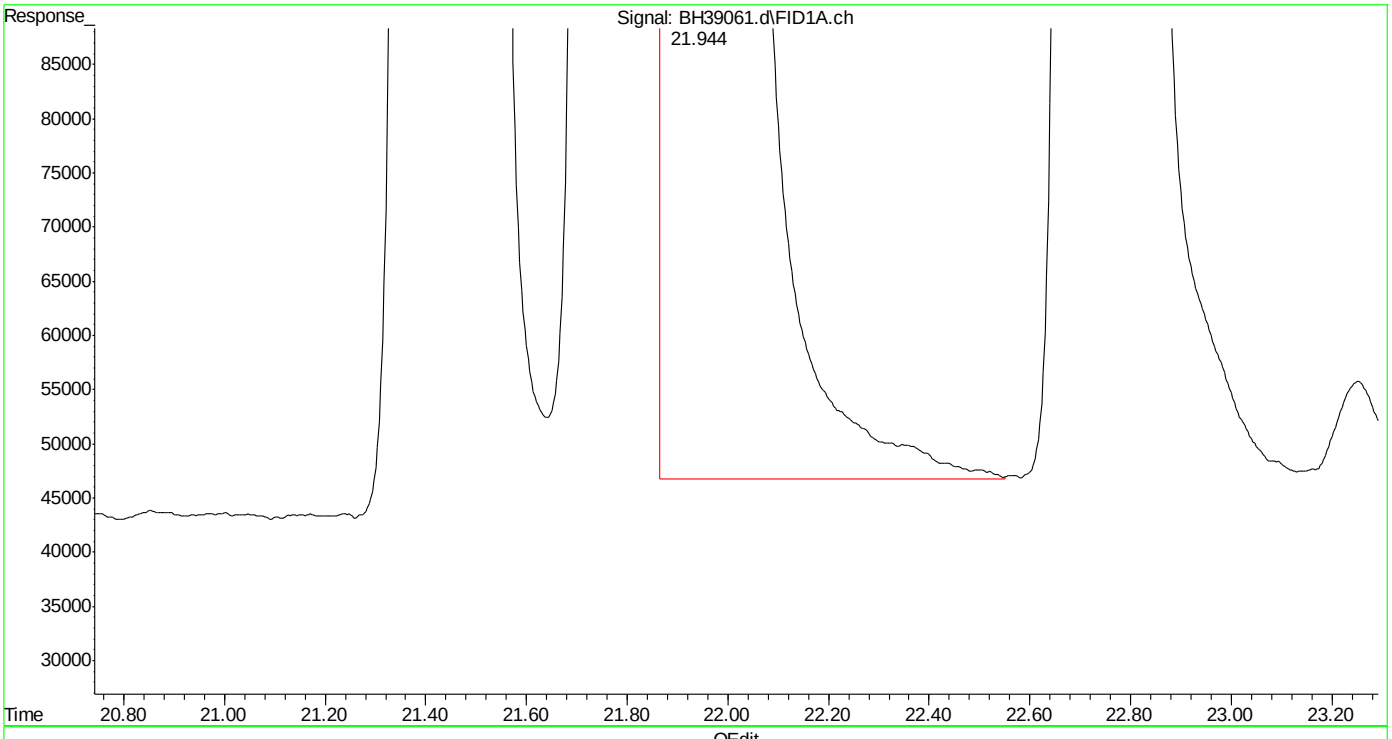
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.944min 478.023 ppb m
response 604345701

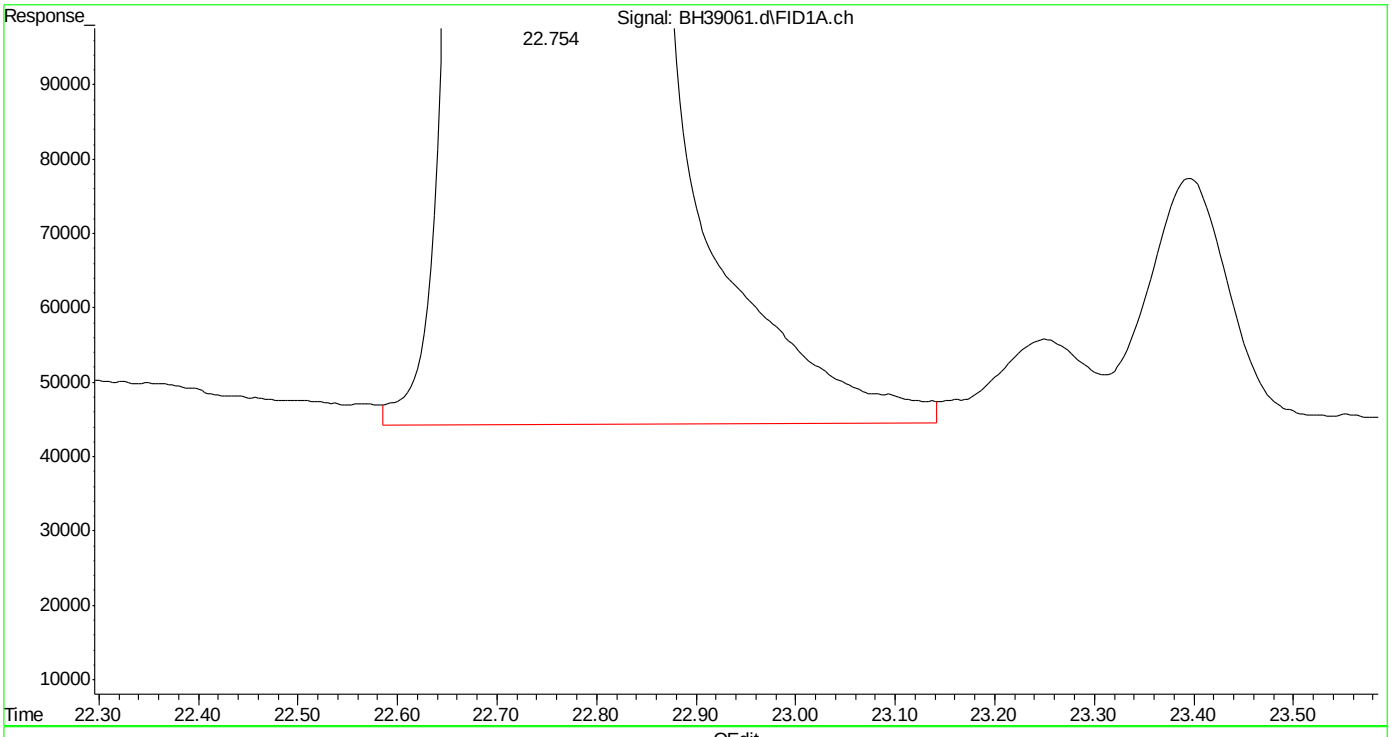
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.756min 236.164 ppb
response 305400217

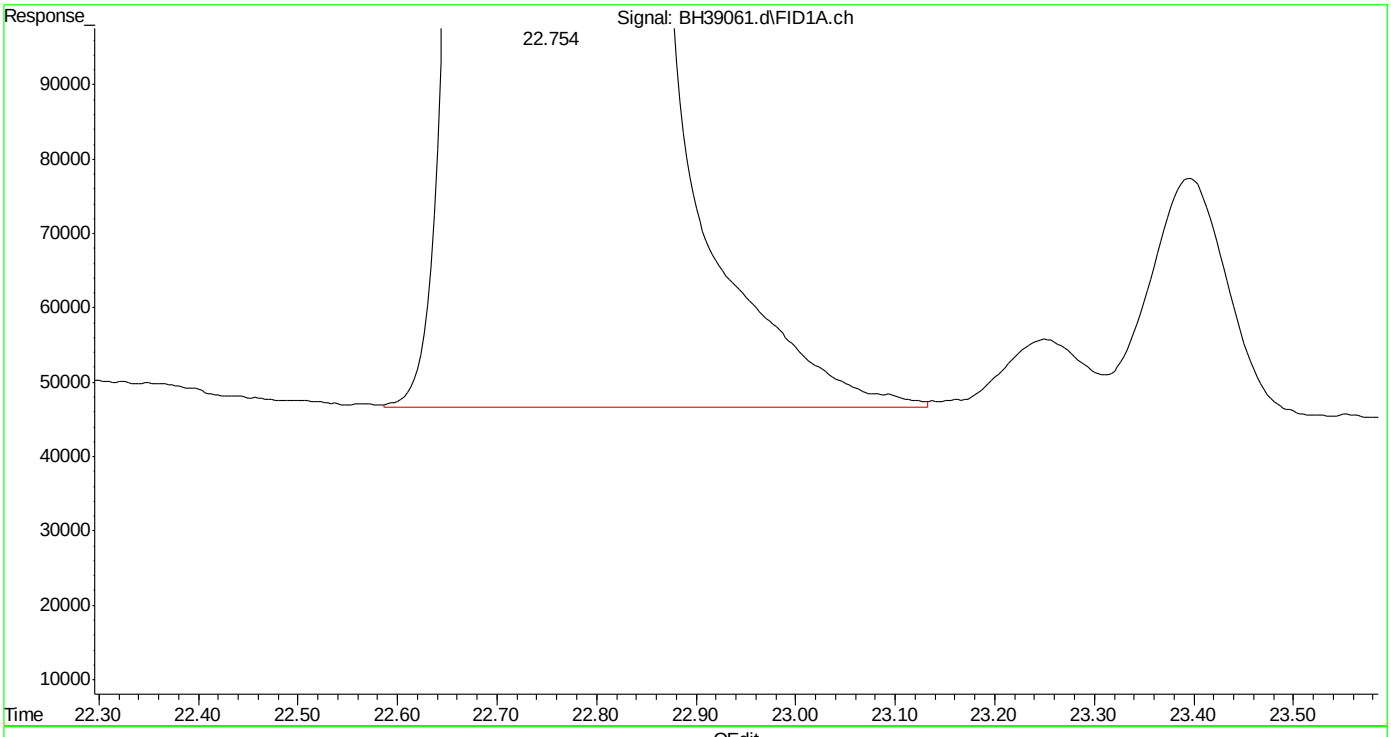
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:32:33 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.754min 235.568 ppb m
response 304628584

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:32:42 2016

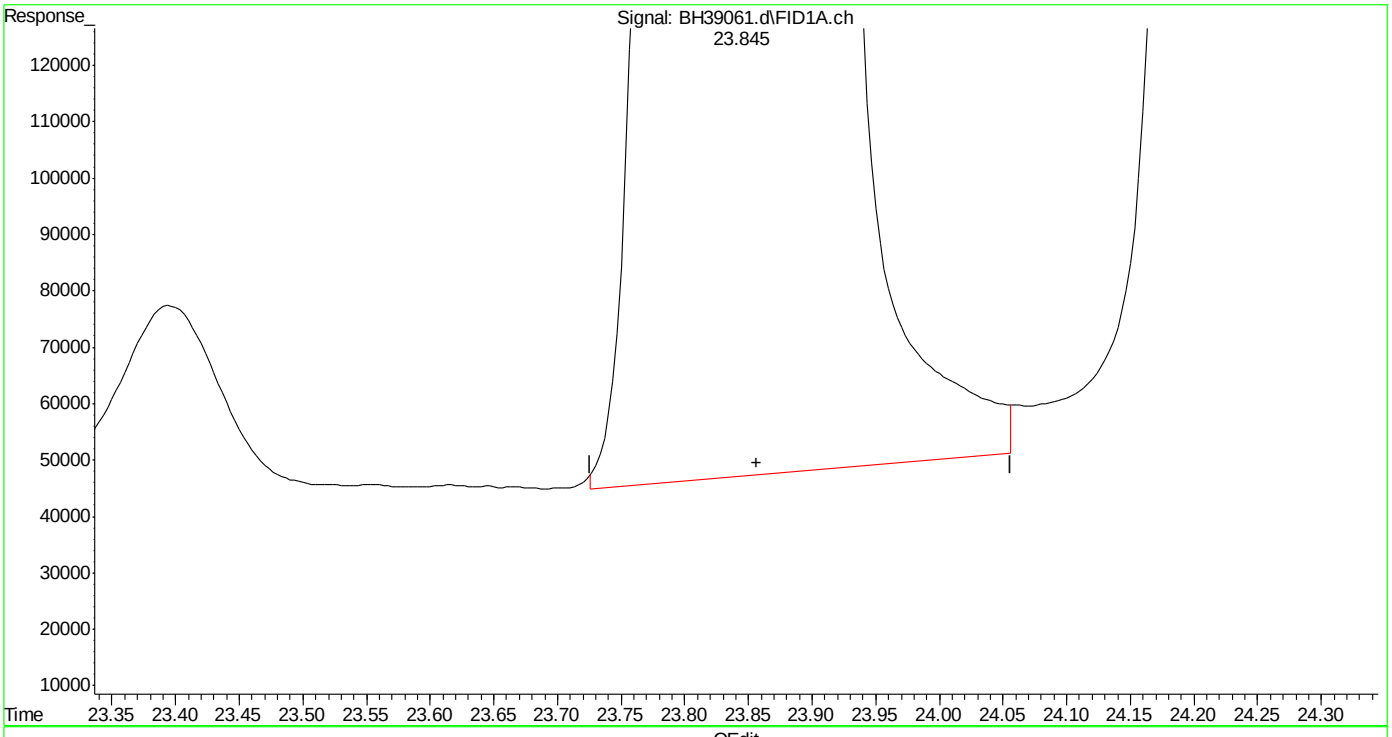
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 229.725 ppb
response 274366948

(+) = Expected Retention Time

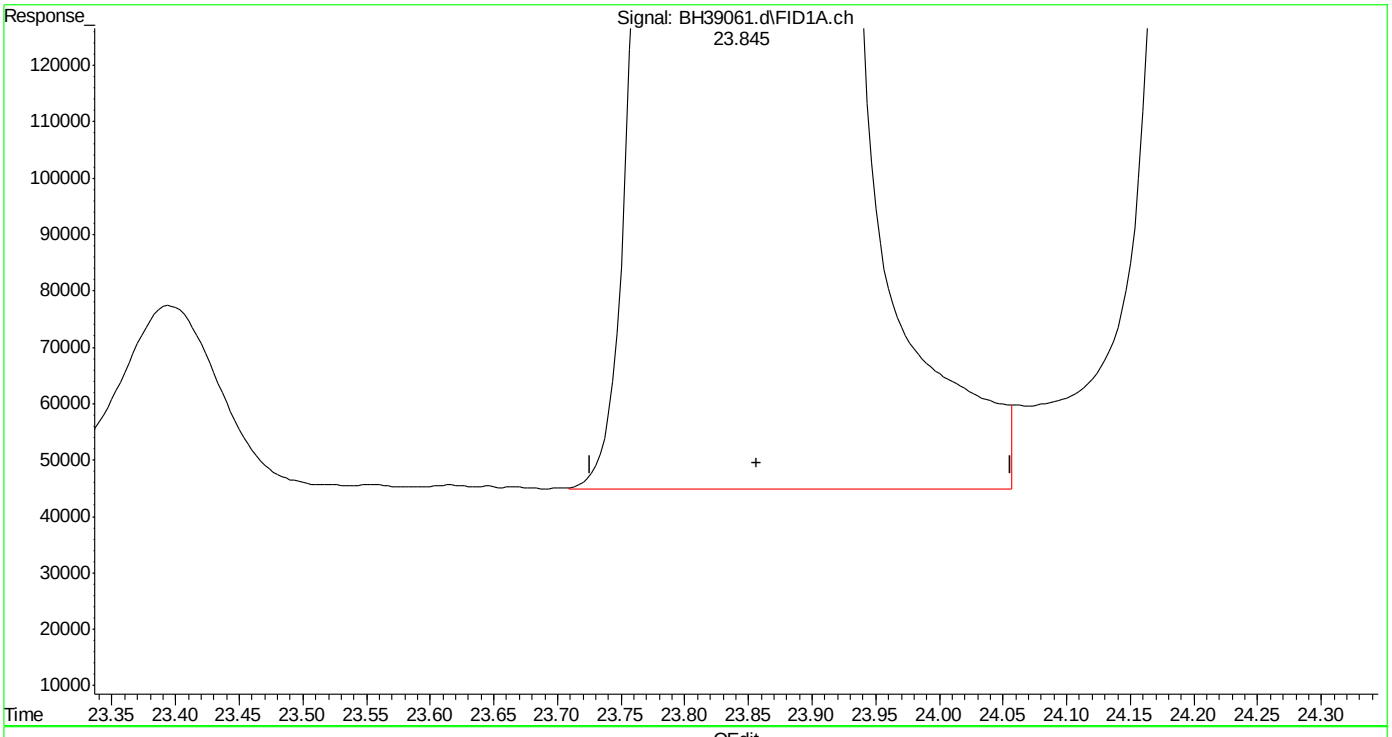
bh160420vphmaster.m Wed Apr 20 14:32:46 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 230.320 ppb m
response 275077235

(+) = Expected Retention Time

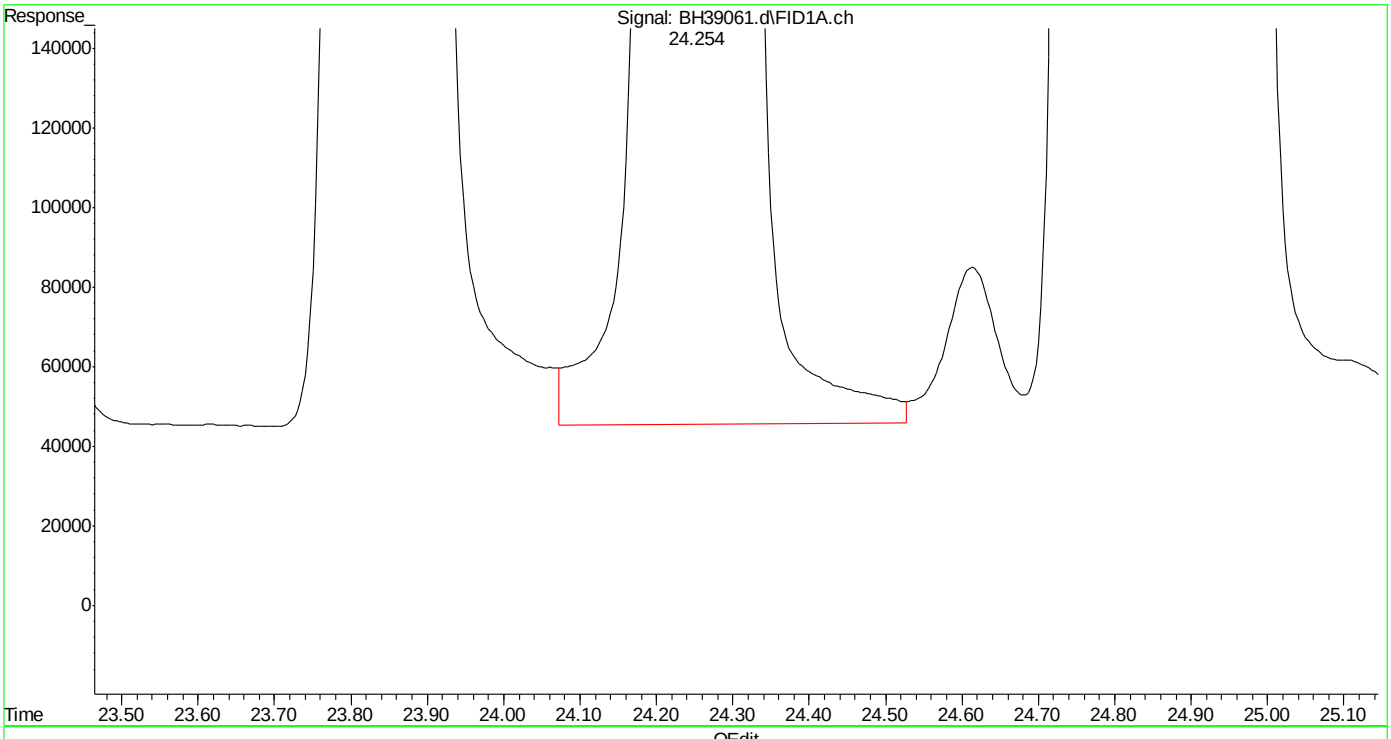
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.255min 230.979 ppb
response 315886254

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:32:55 2016

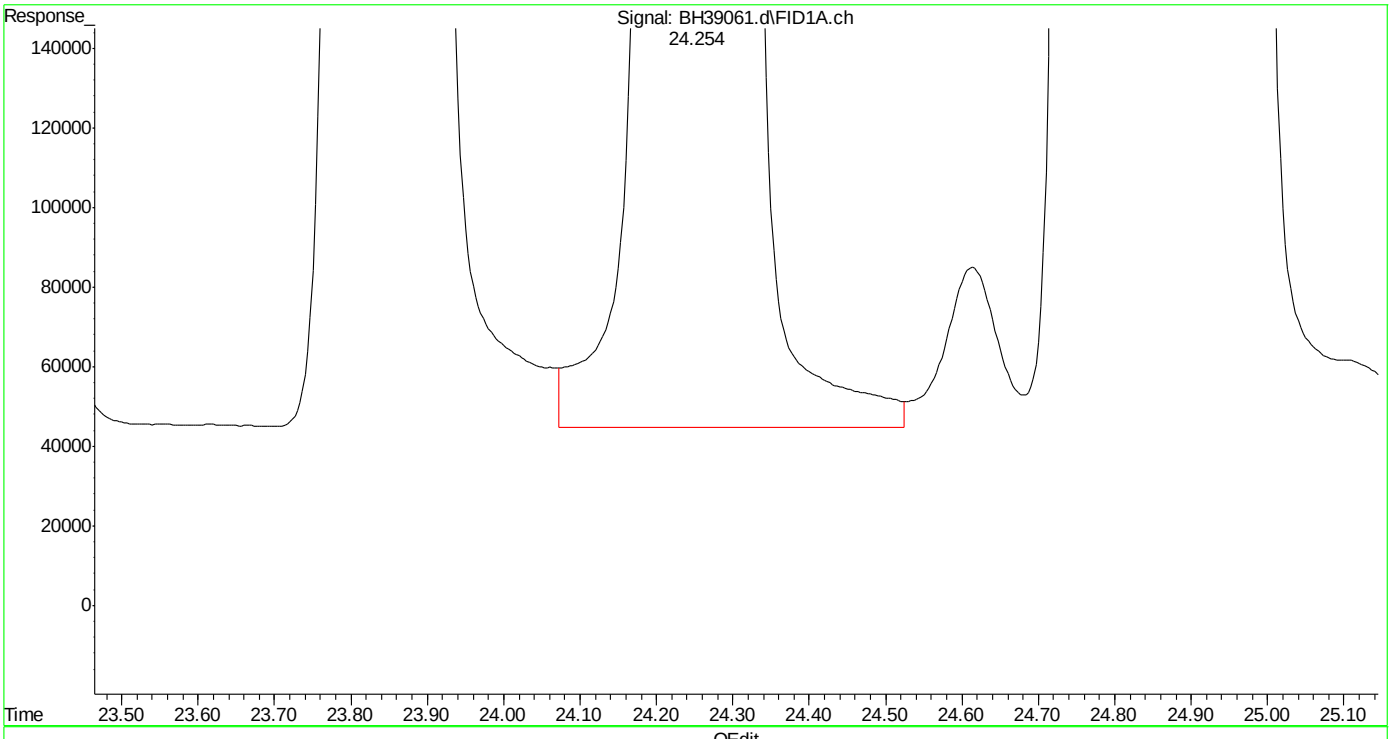
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 231.126 ppb m
response 316087614

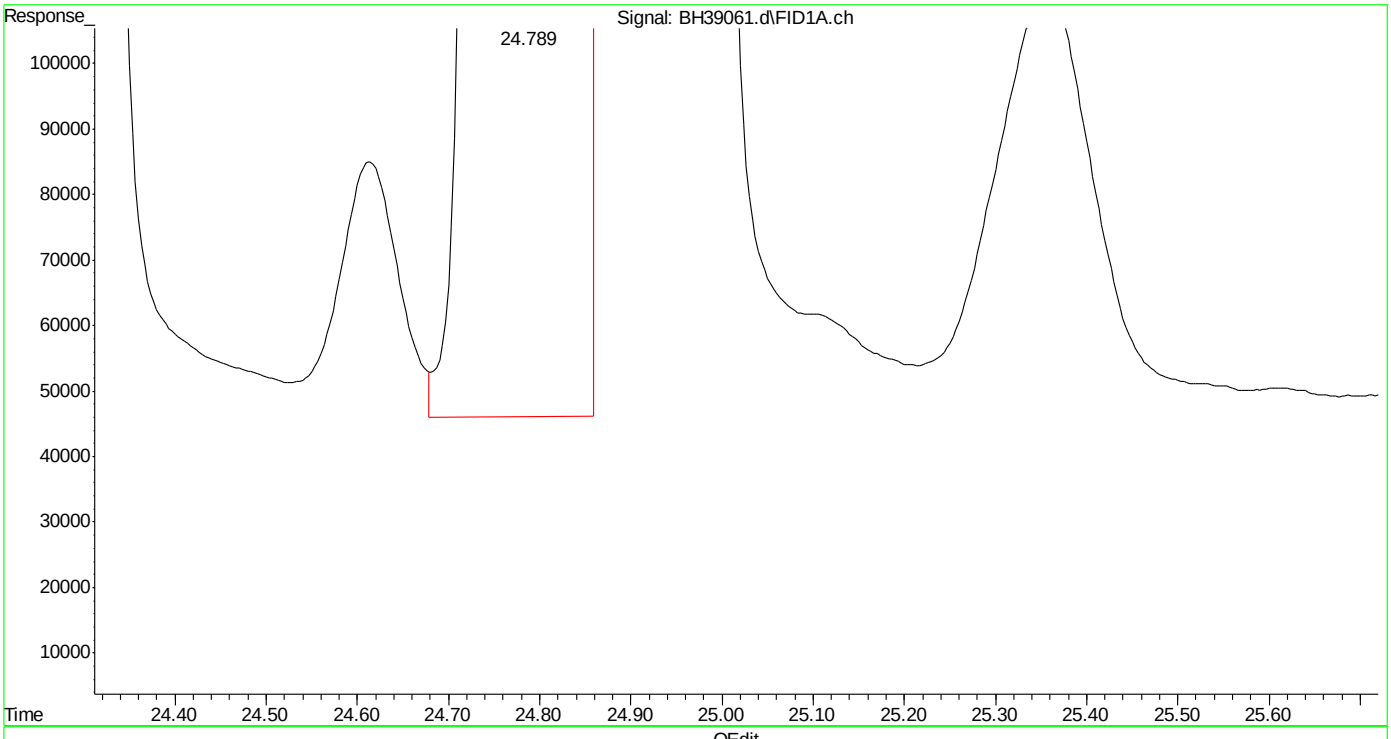
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:33:02 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.790min 223.999 ppb
response 312254823

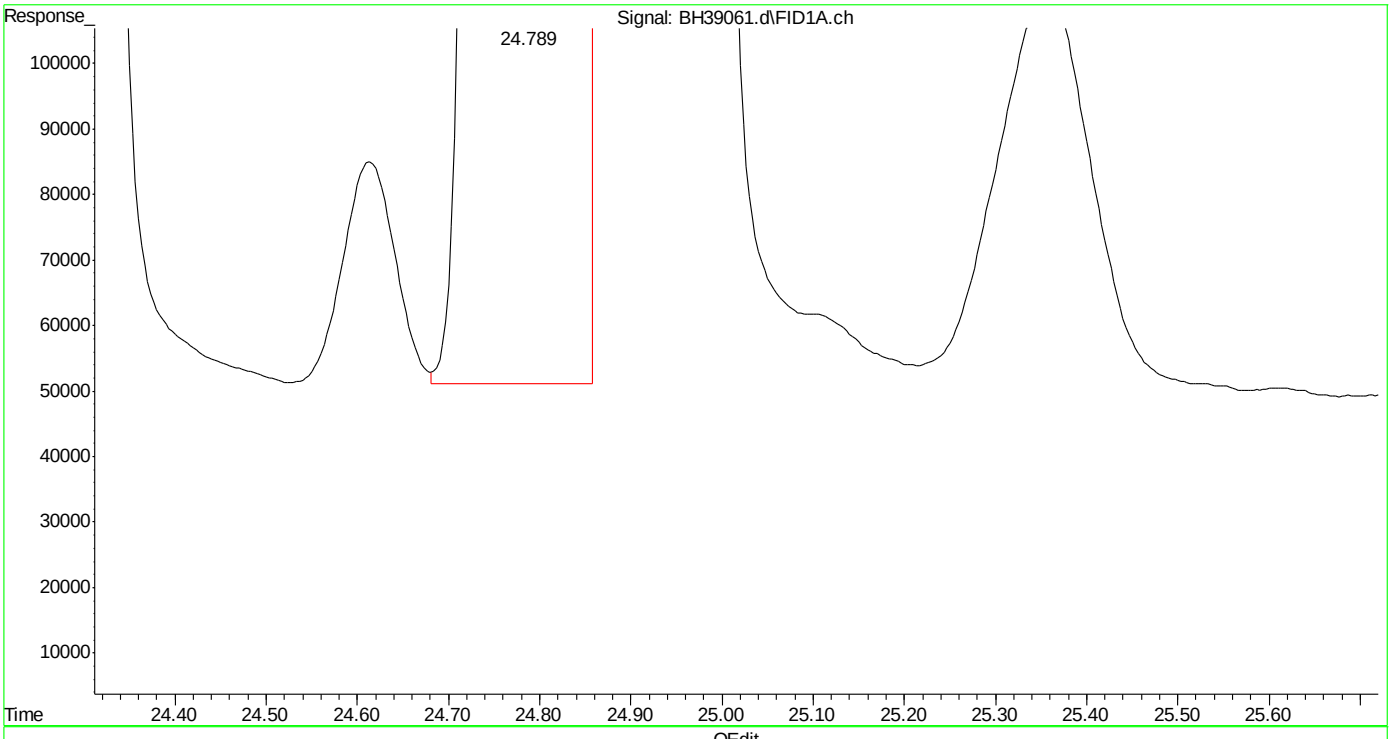
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.789min 224.082 ppb m
response 312370576

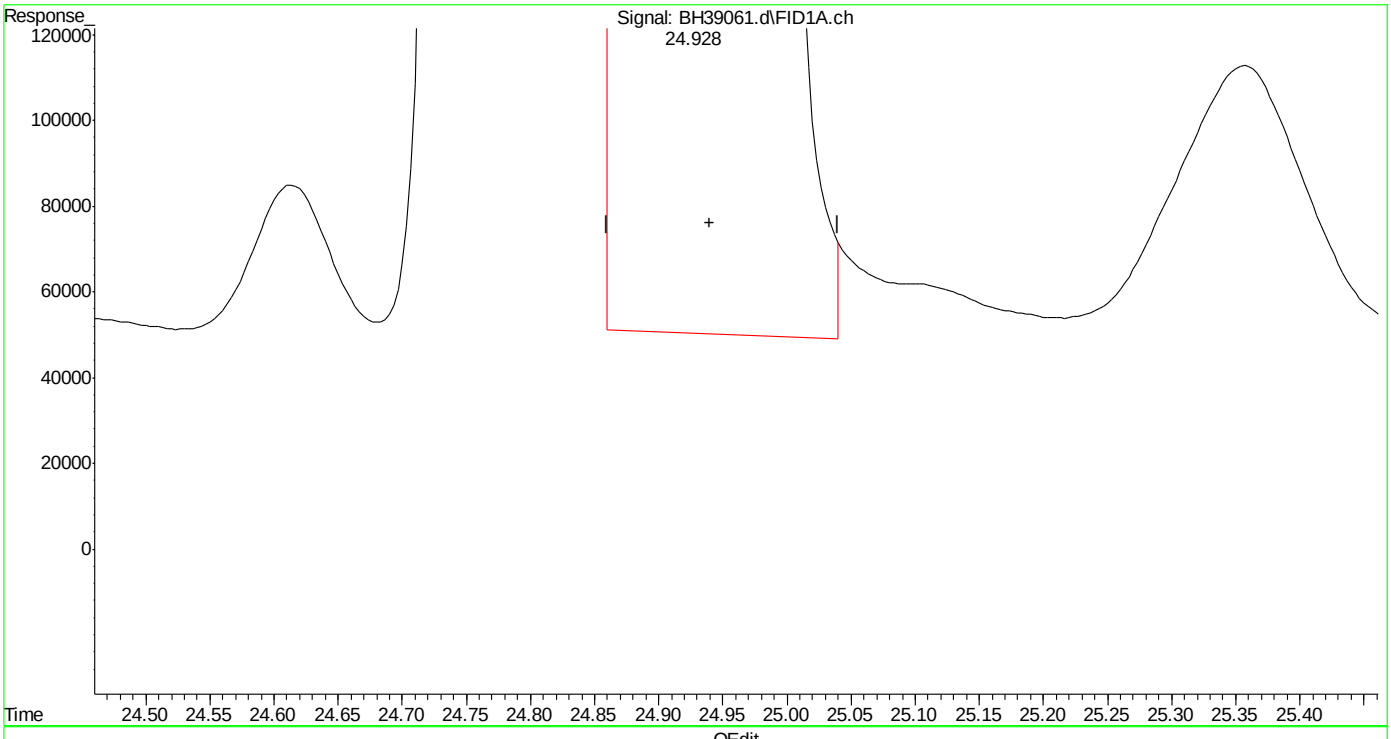
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 228.012 ppb
response 293392940

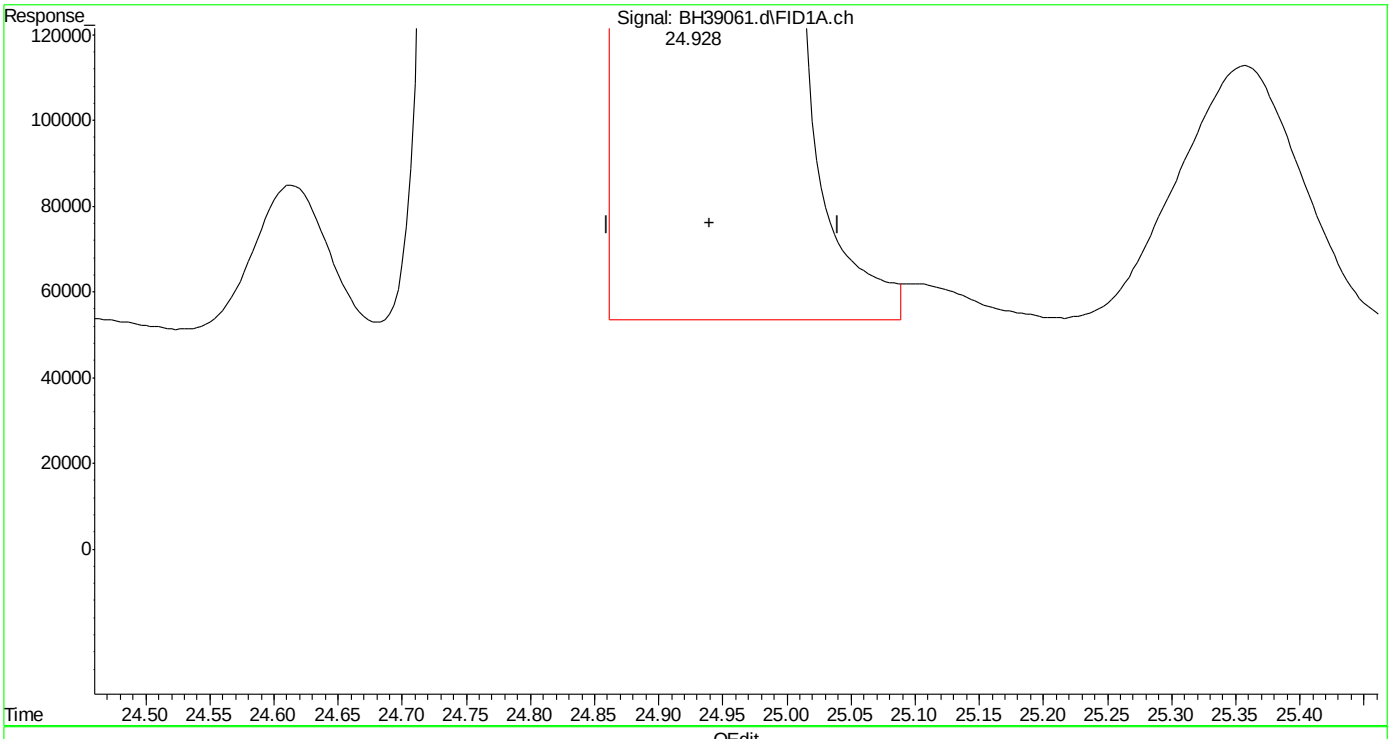
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:33:16 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 228.669 ppb m
response 294238593

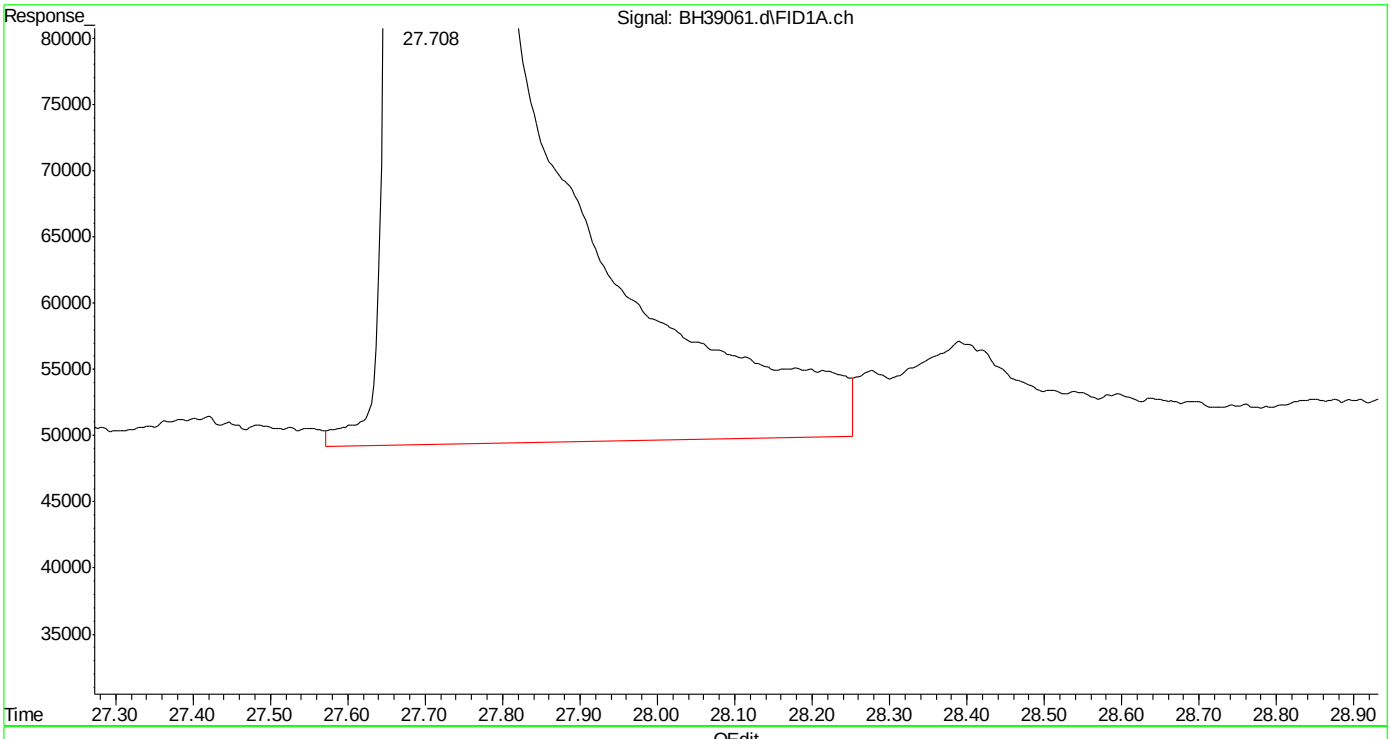
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:33:27 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 215.046 ppb
response 185750399

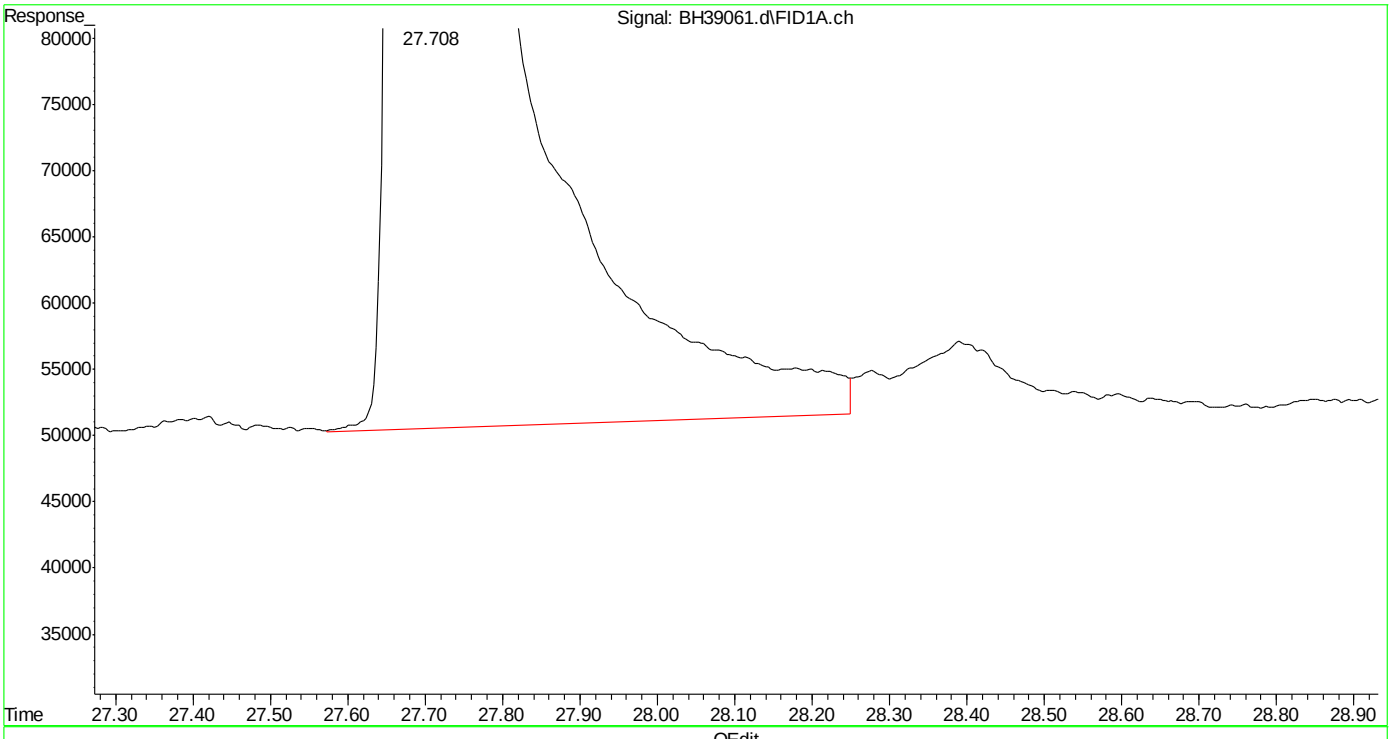
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.708min 214.383 ppb m
response 185177296

(+) = Expected Retention Time

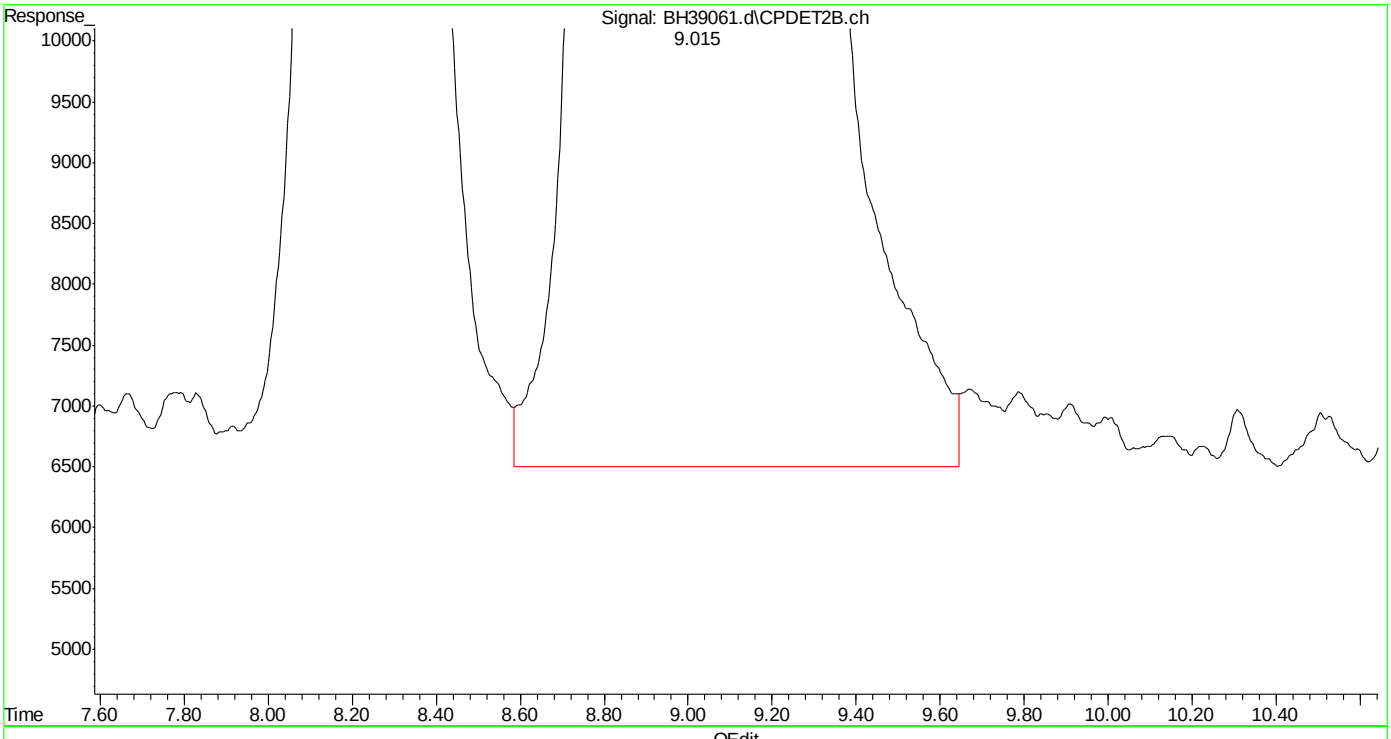
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.017min 241.325 ppb
response 69275197

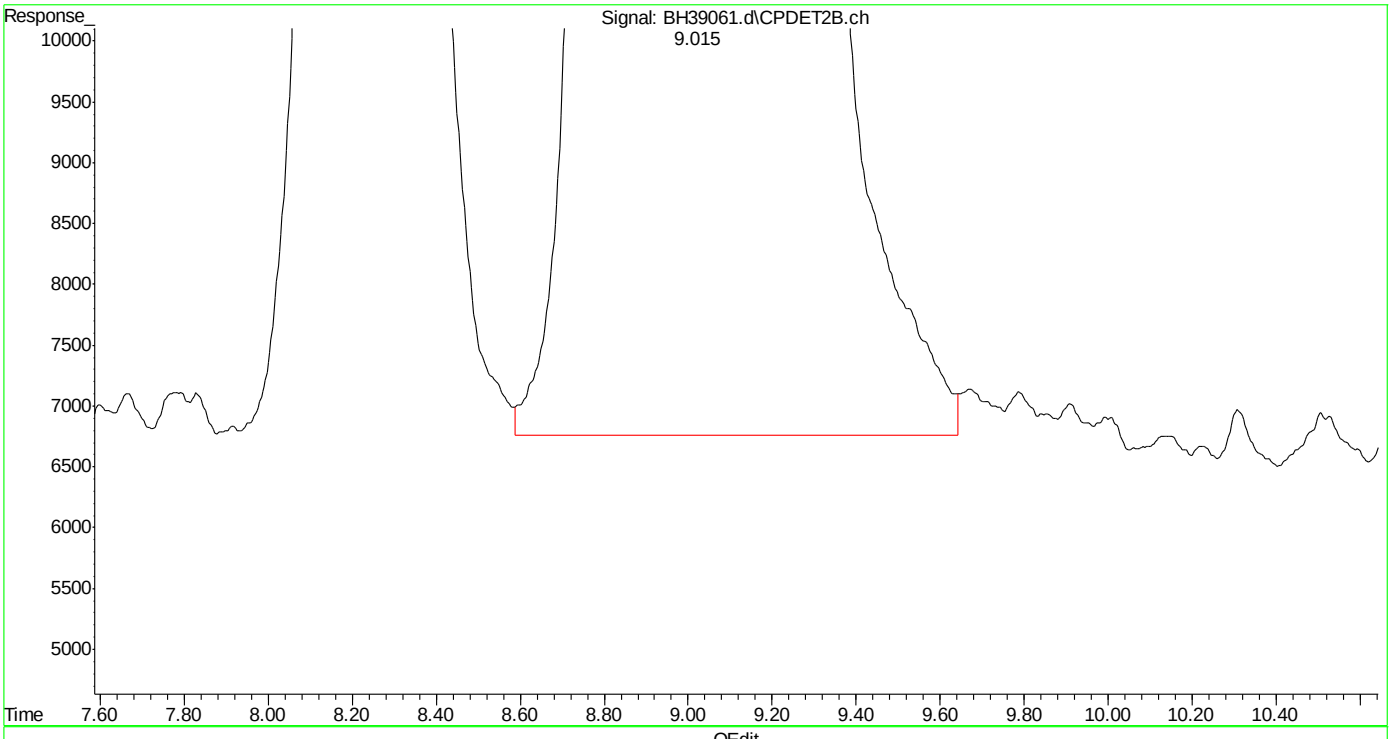
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.015min 240.742 ppb m
response 69107837

(+) = Expected Retention Time

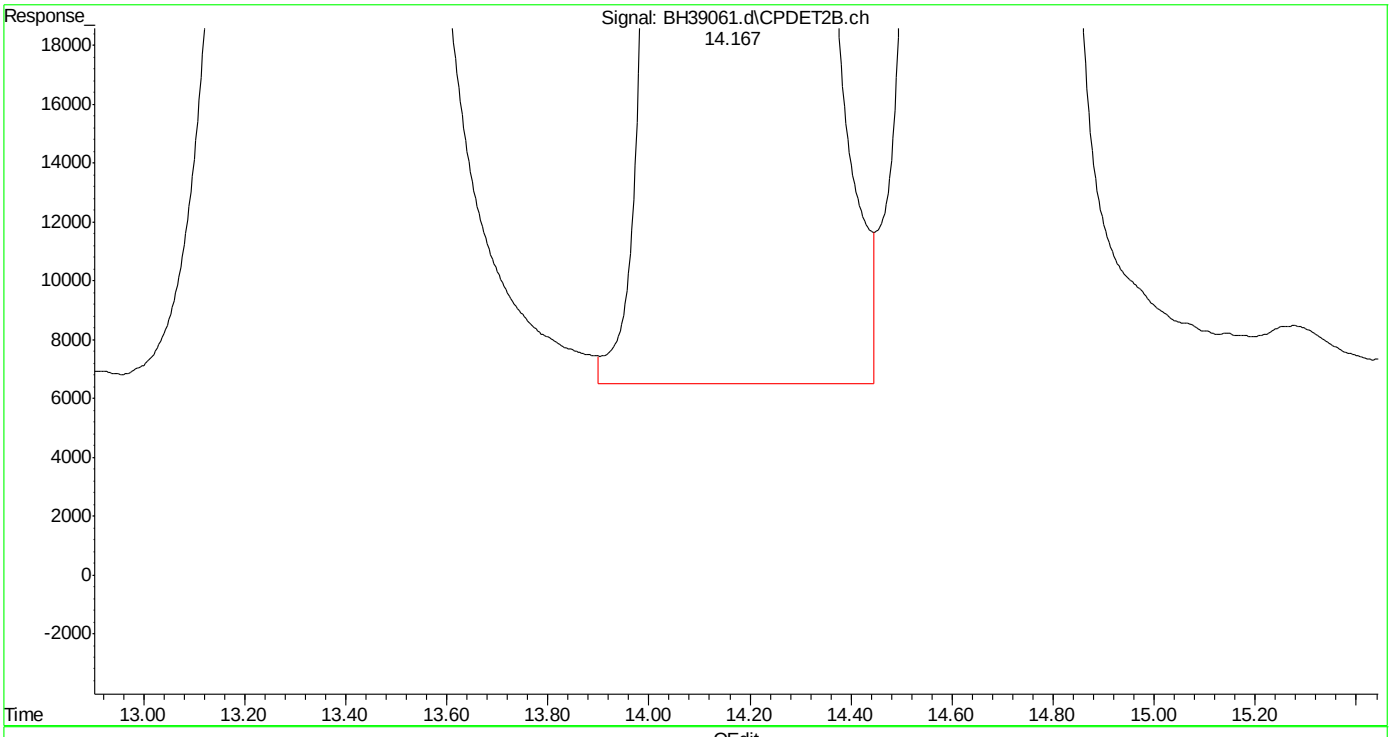
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 233.118 ppb
response 156543003

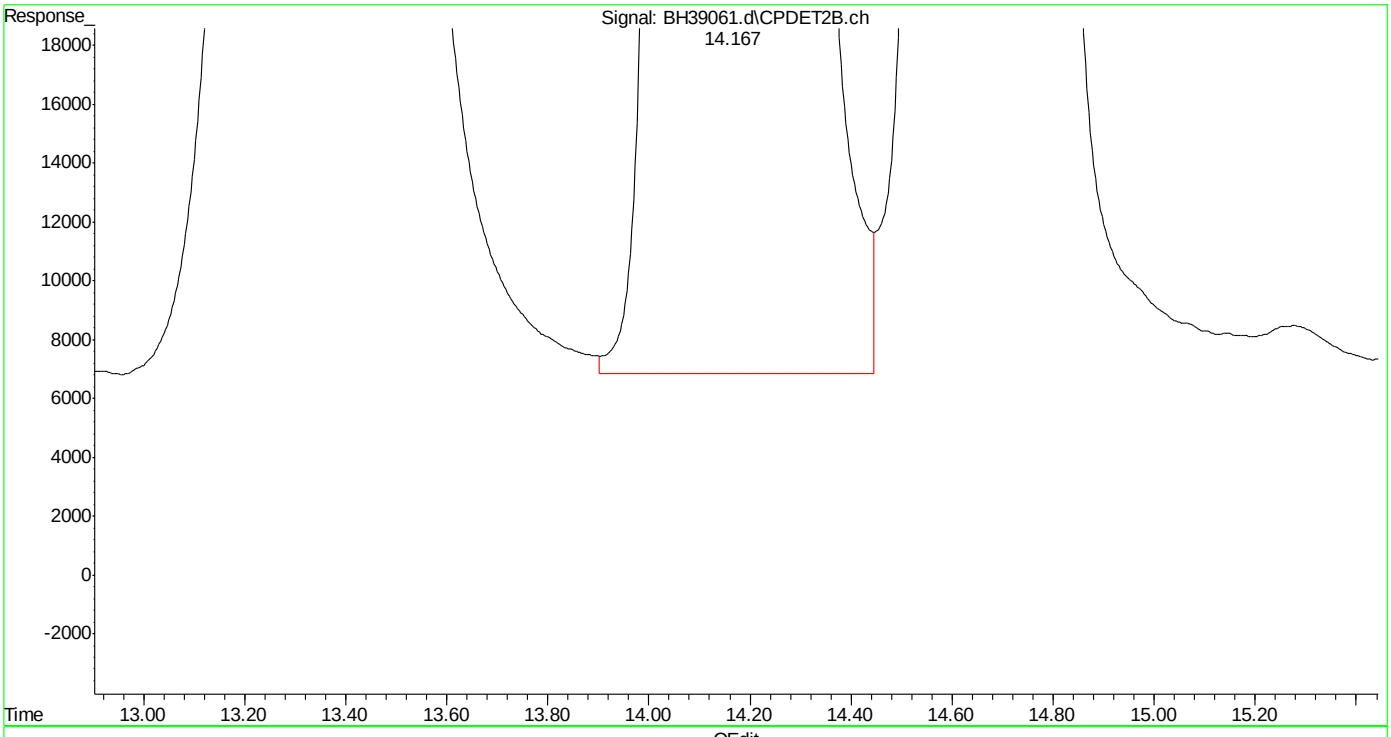
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.167min 232.950 ppb m
response 156430291

(+) = Expected Retention Time

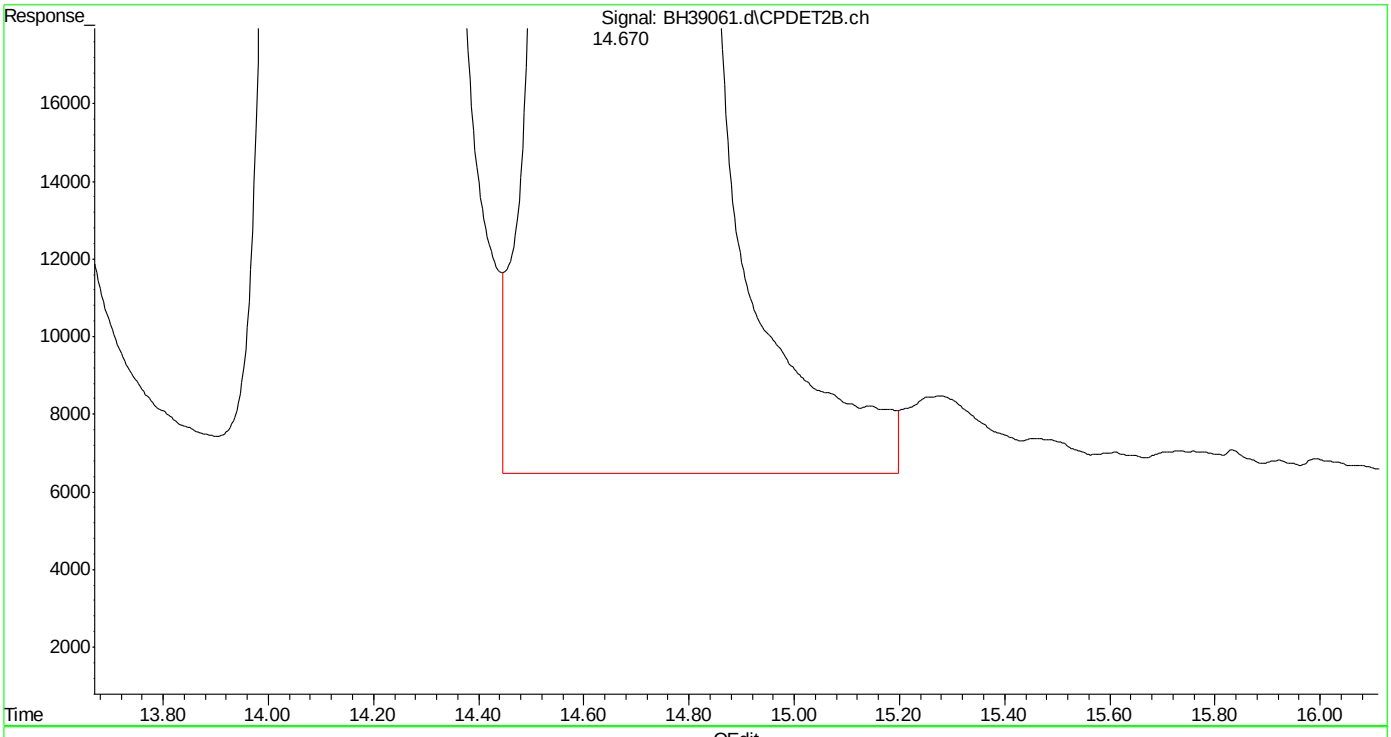
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.671min 241.574 ppb
response 99059077

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:12 2016

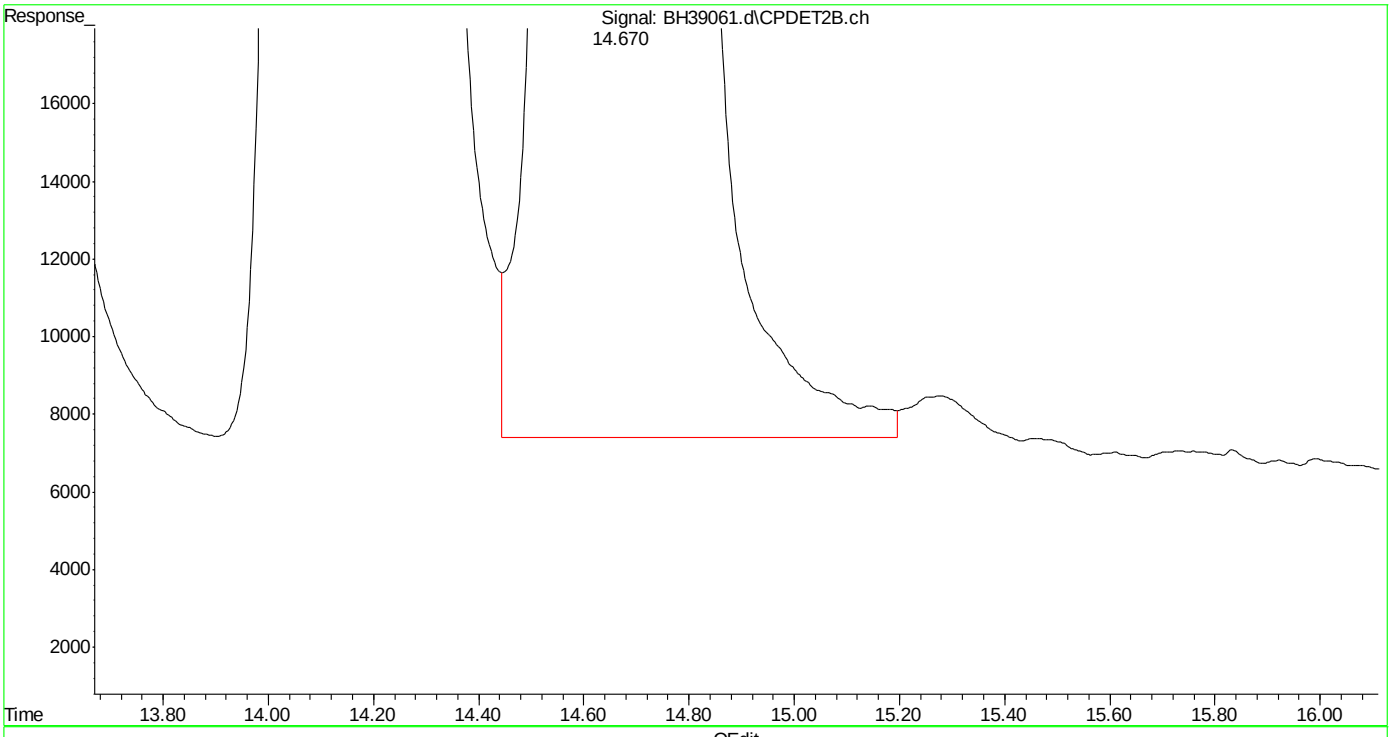
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 240.591 ppb m
response 98656019

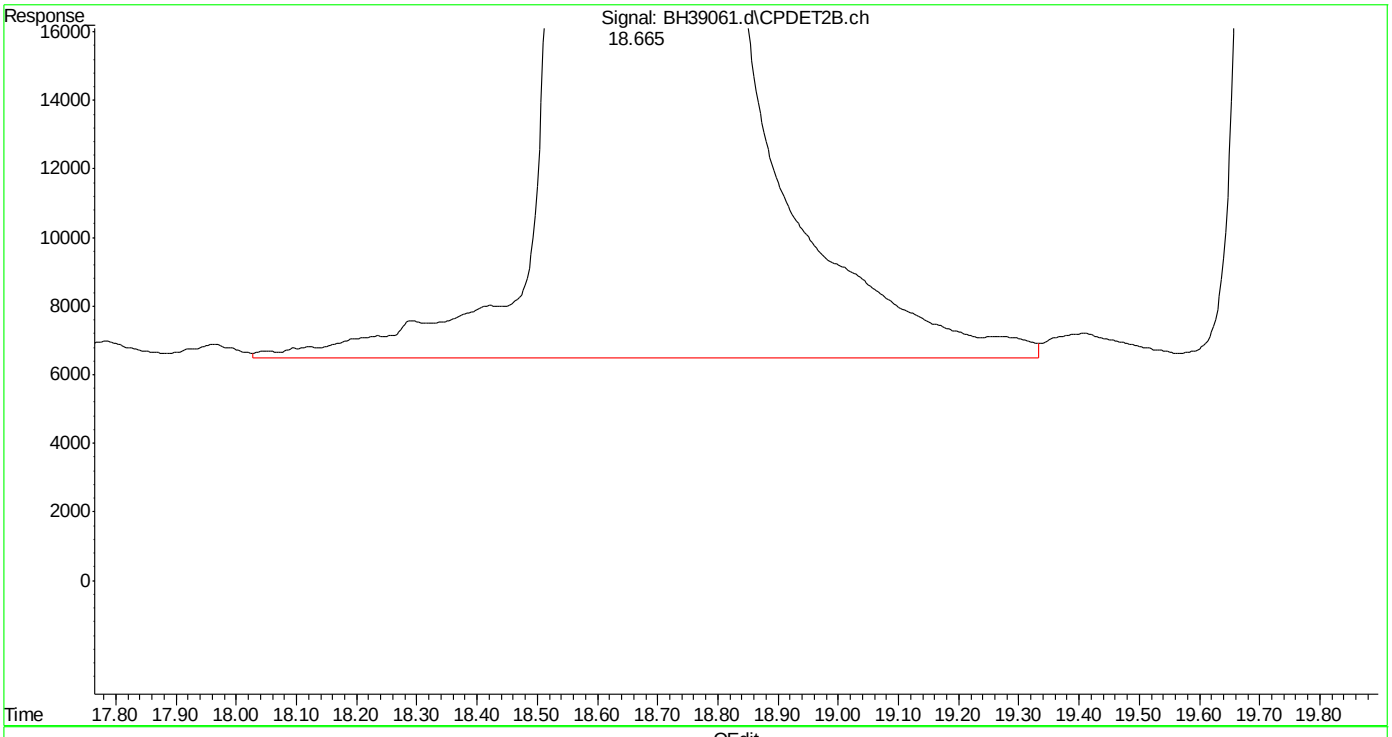
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:21 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 236.157 ppb
response 147672571

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:27 2016

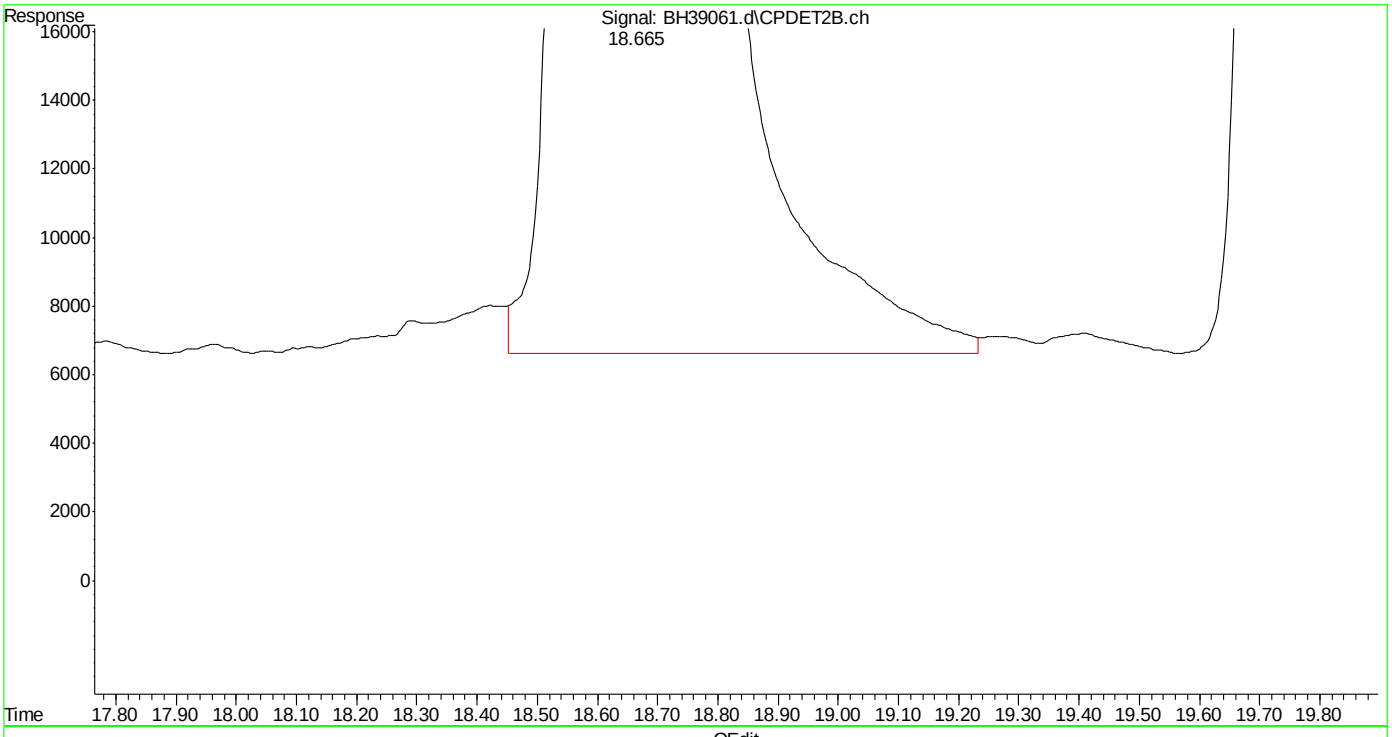
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.665min 235.714 ppb m
response 147395455

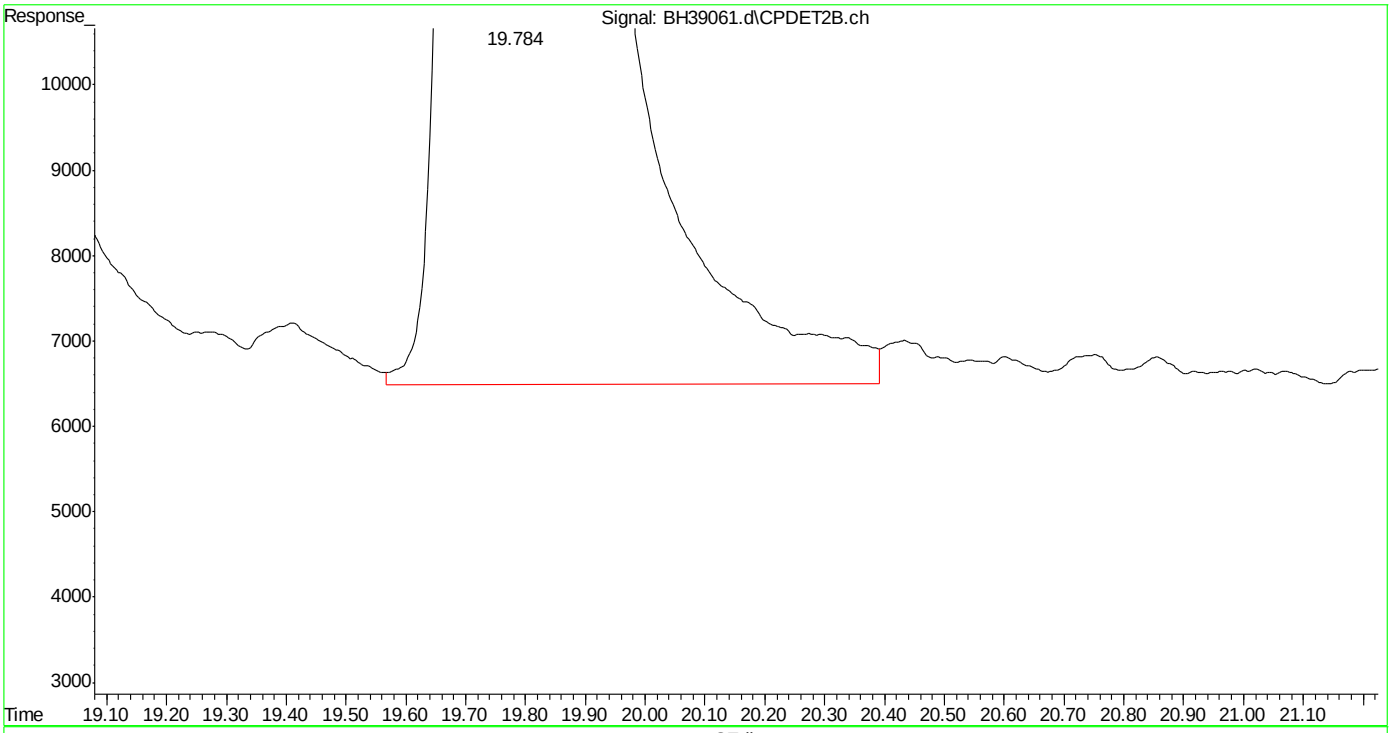
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:35 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.785min 232.677 ppb
response 59955552

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:40 2016

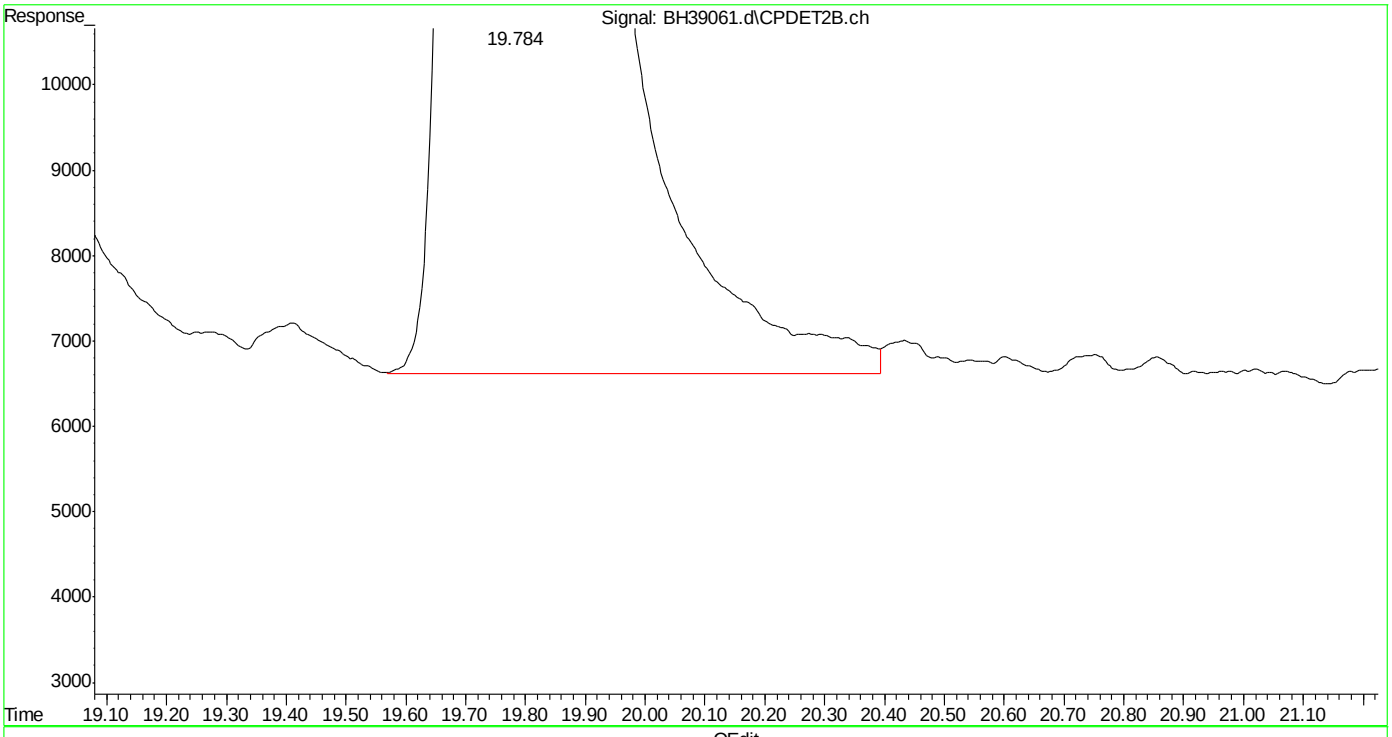
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 232.449 ppb m
response 59896935

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:46 2016

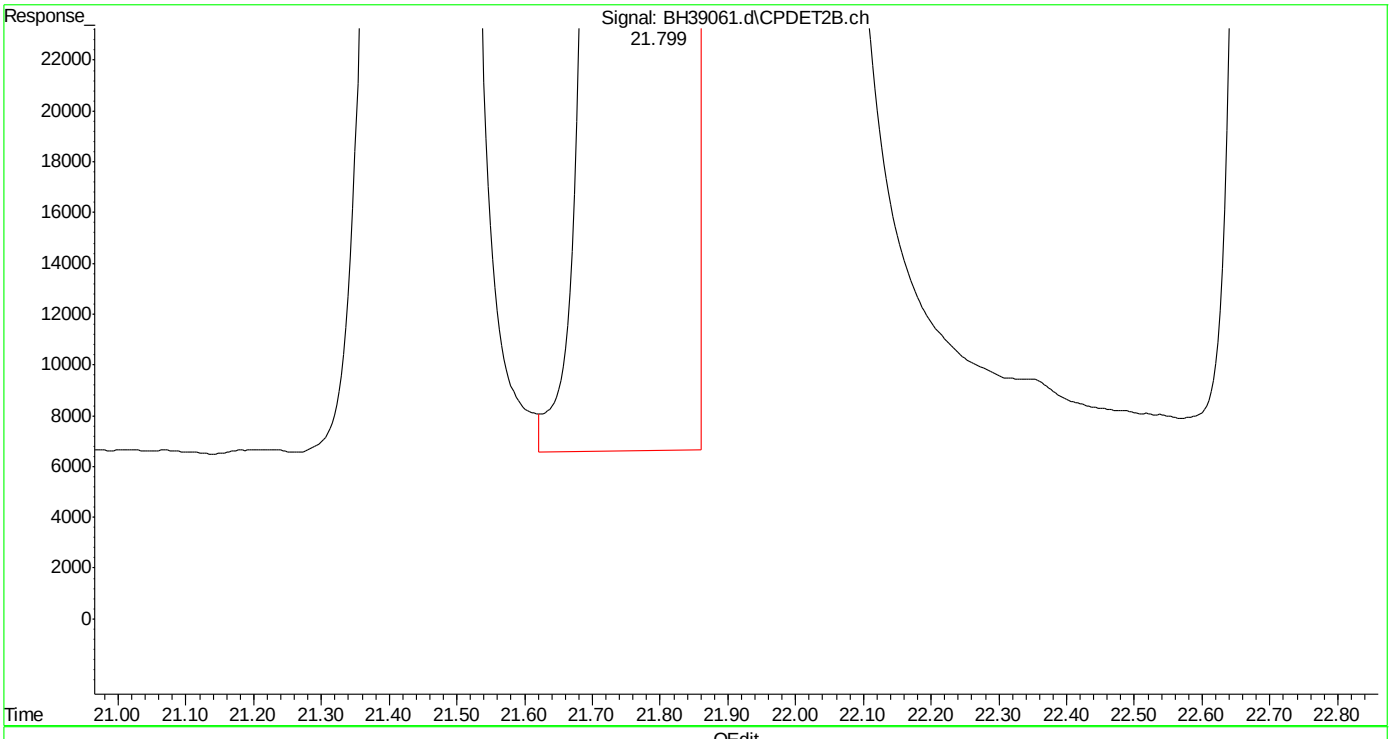
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.801min 241.481 ppb
response 132472992

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:50 2016

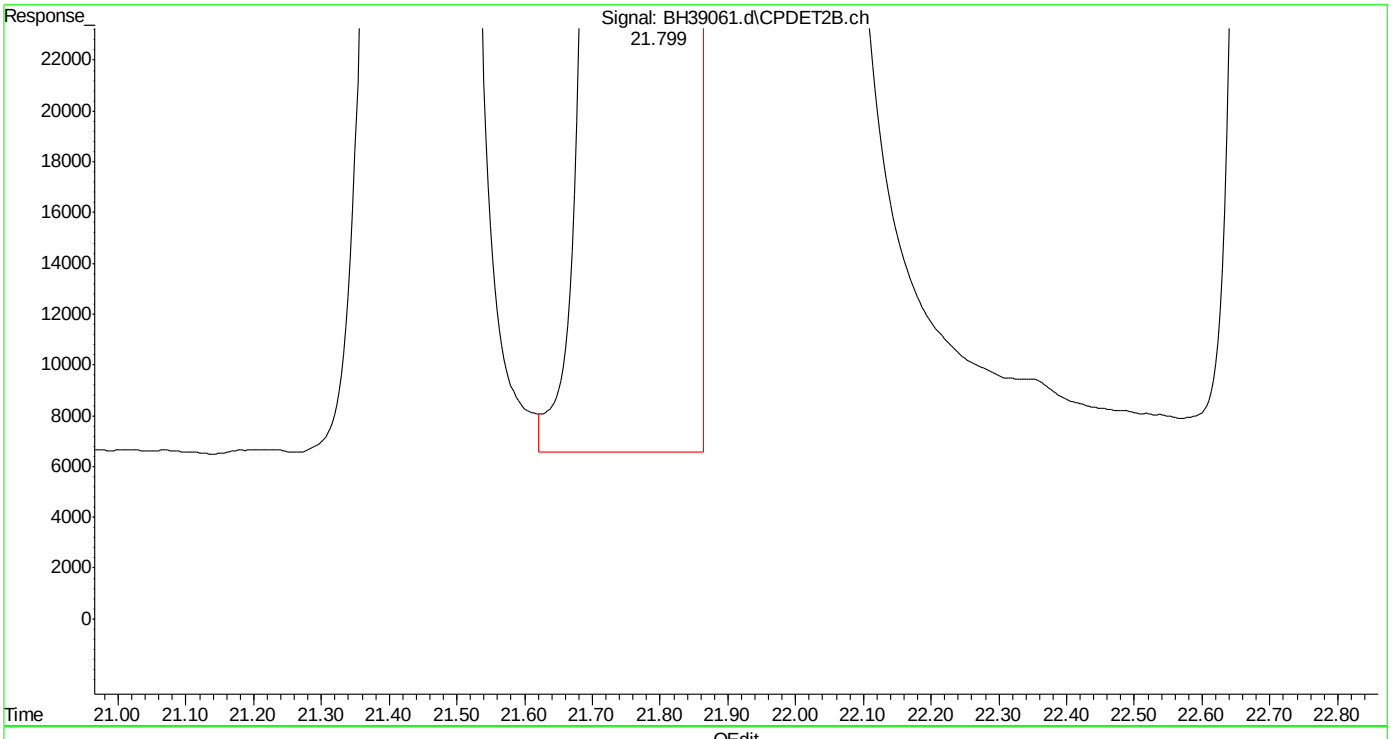
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.799min 242.226 ppb m
response 132881798

(+) = Expected Retention Time

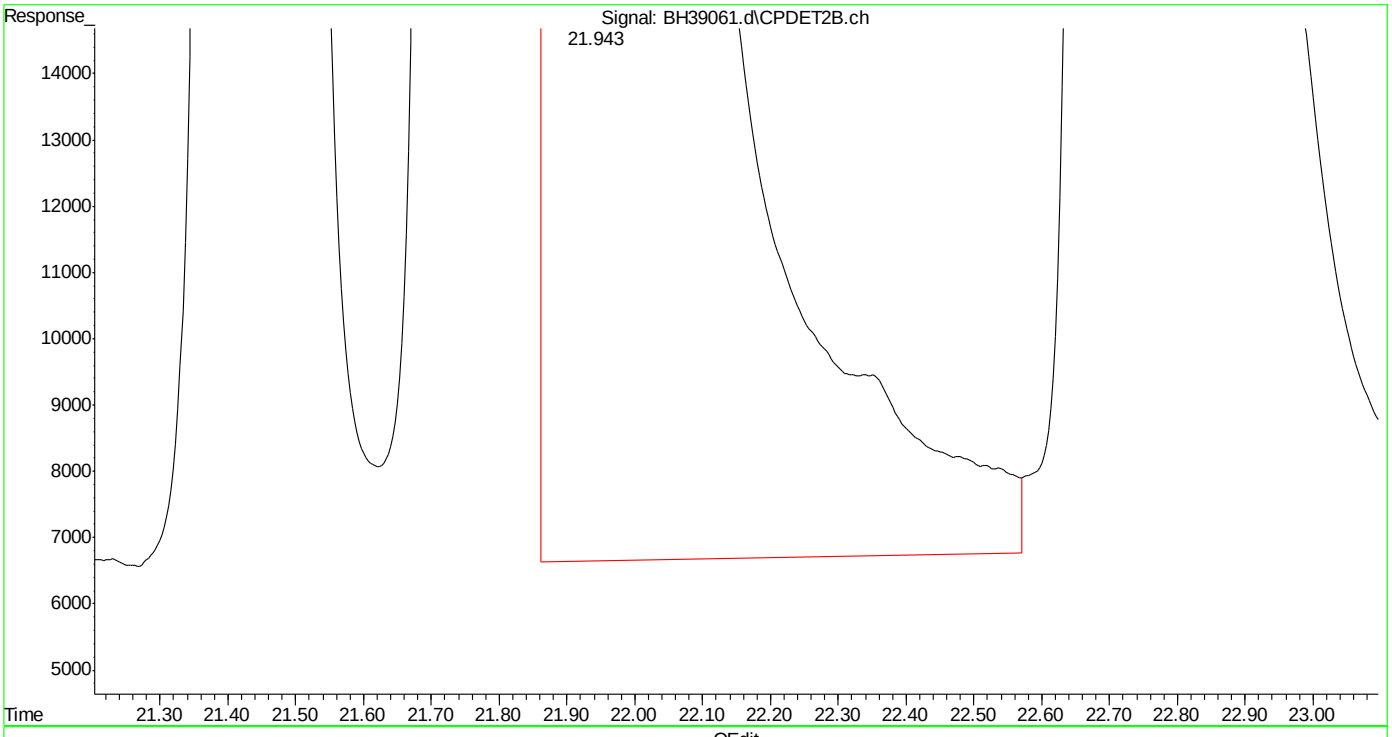
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.944min 473.480 ppb
response 320420981

(+) = Expected Retention Time

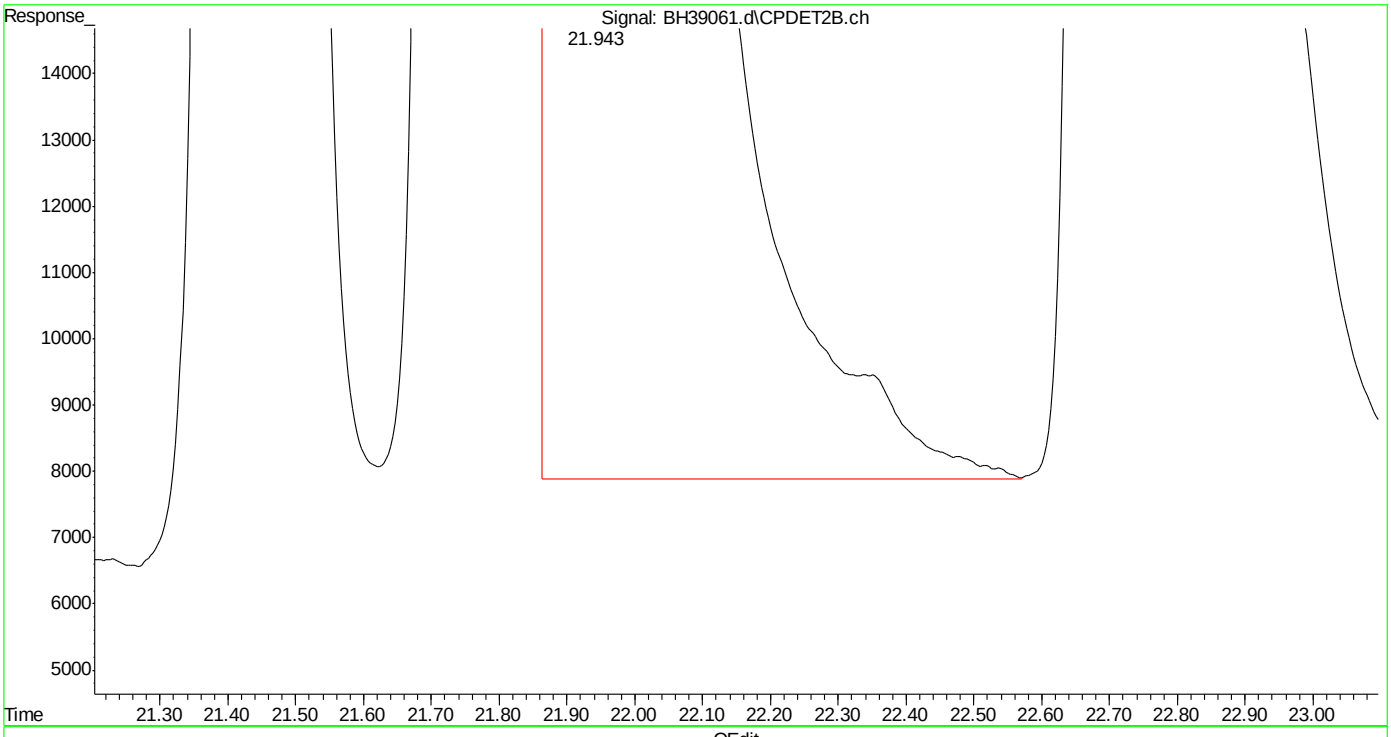
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 469.993 ppb m
response 318061300

(+) = Expected Retention Time

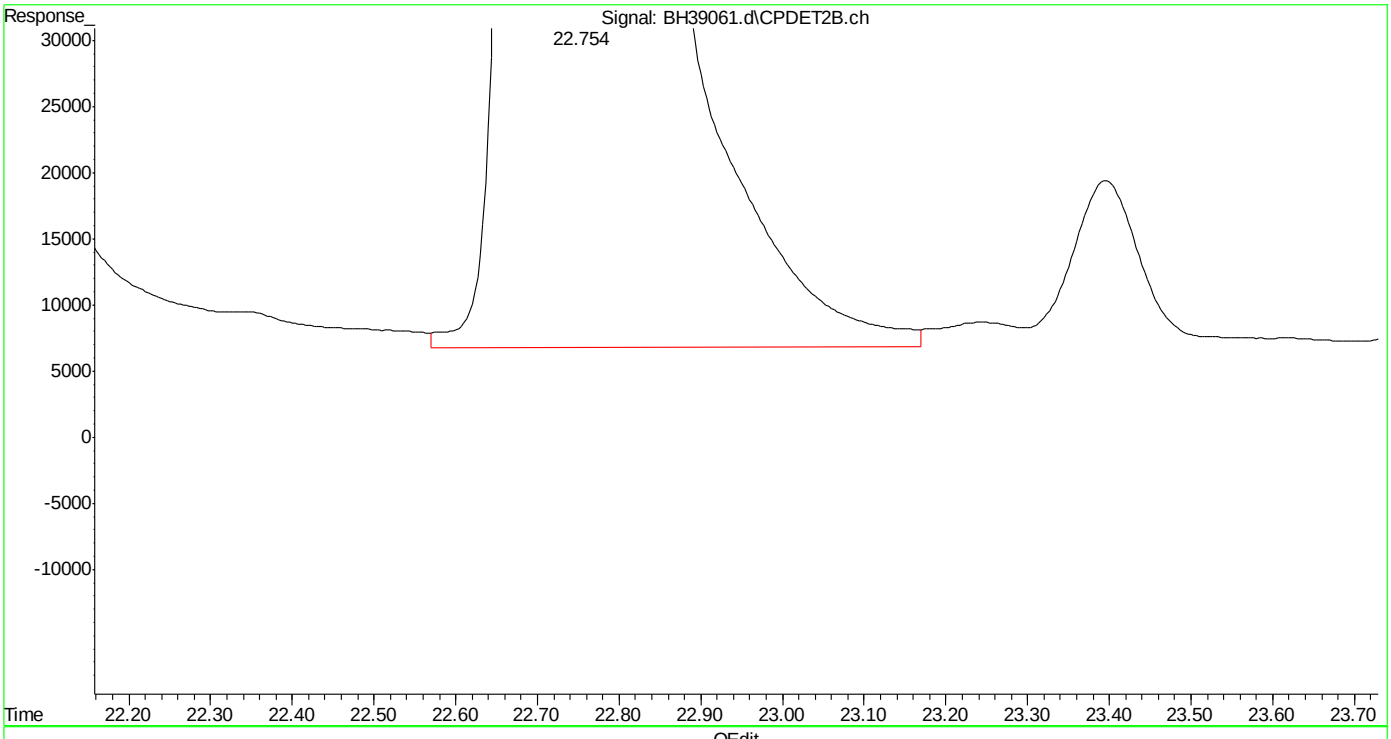
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 236.157 ppb
response 139220770

(+) = Expected Retention Time

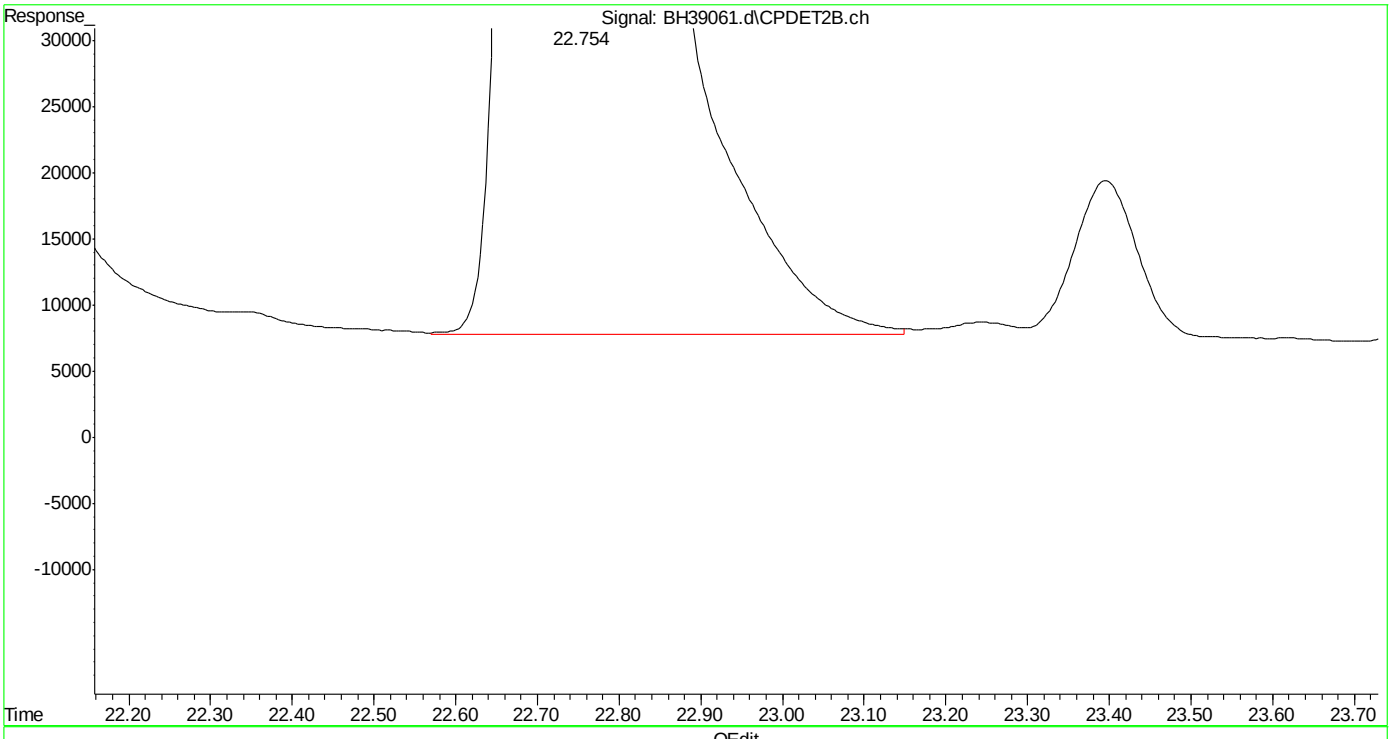
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.754min 235.556 ppb m
response 138866543

(+) = Expected Retention Time

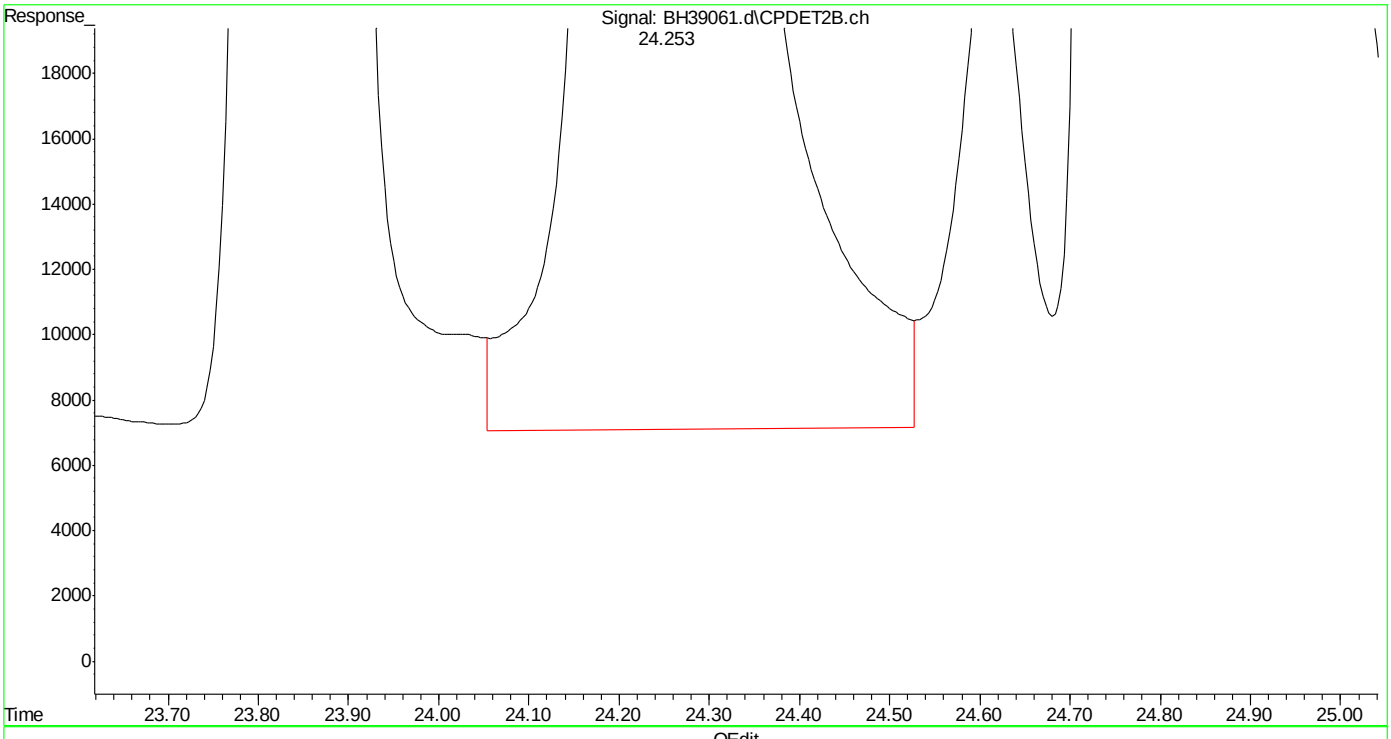
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.255min 231.097 ppb
response 197970471

(+) = Expected Retention Time

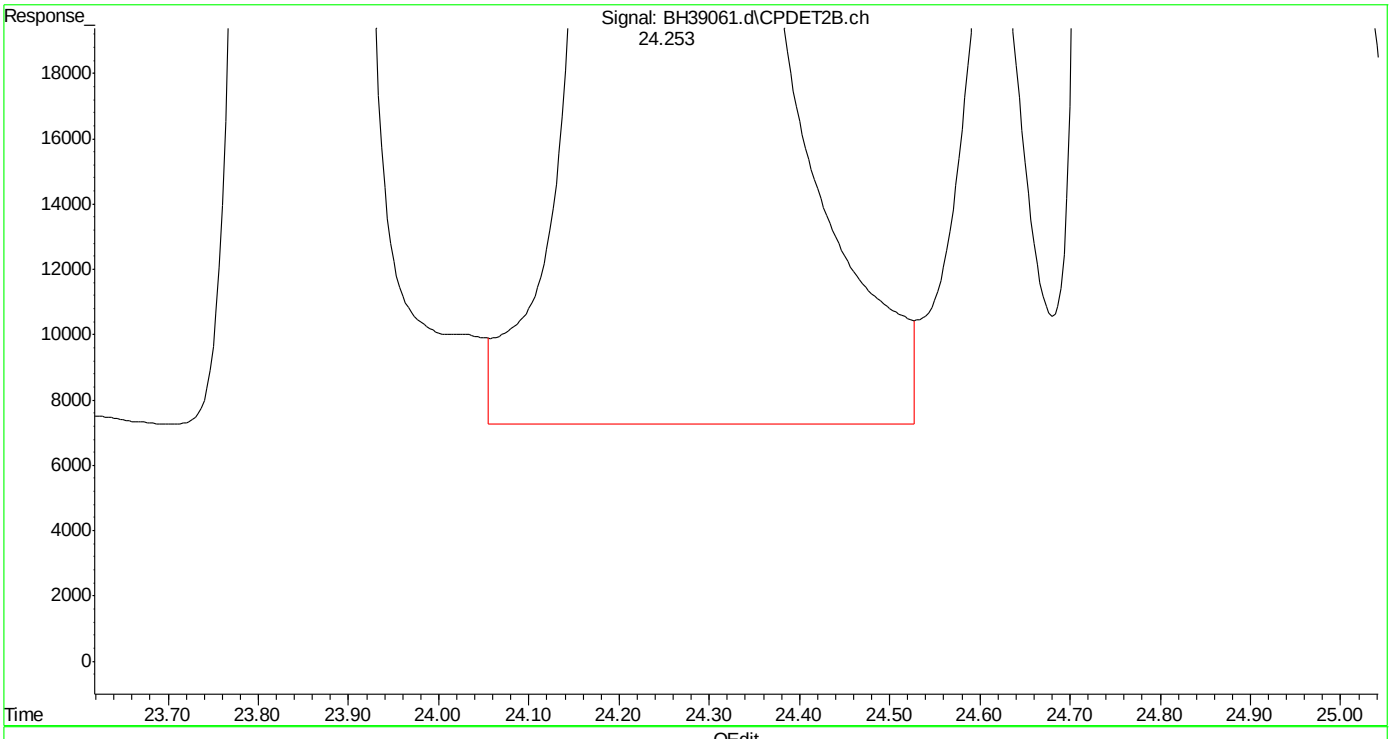
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.253min 231.055 ppb m
response 197934709

(+) = Expected Retention Time

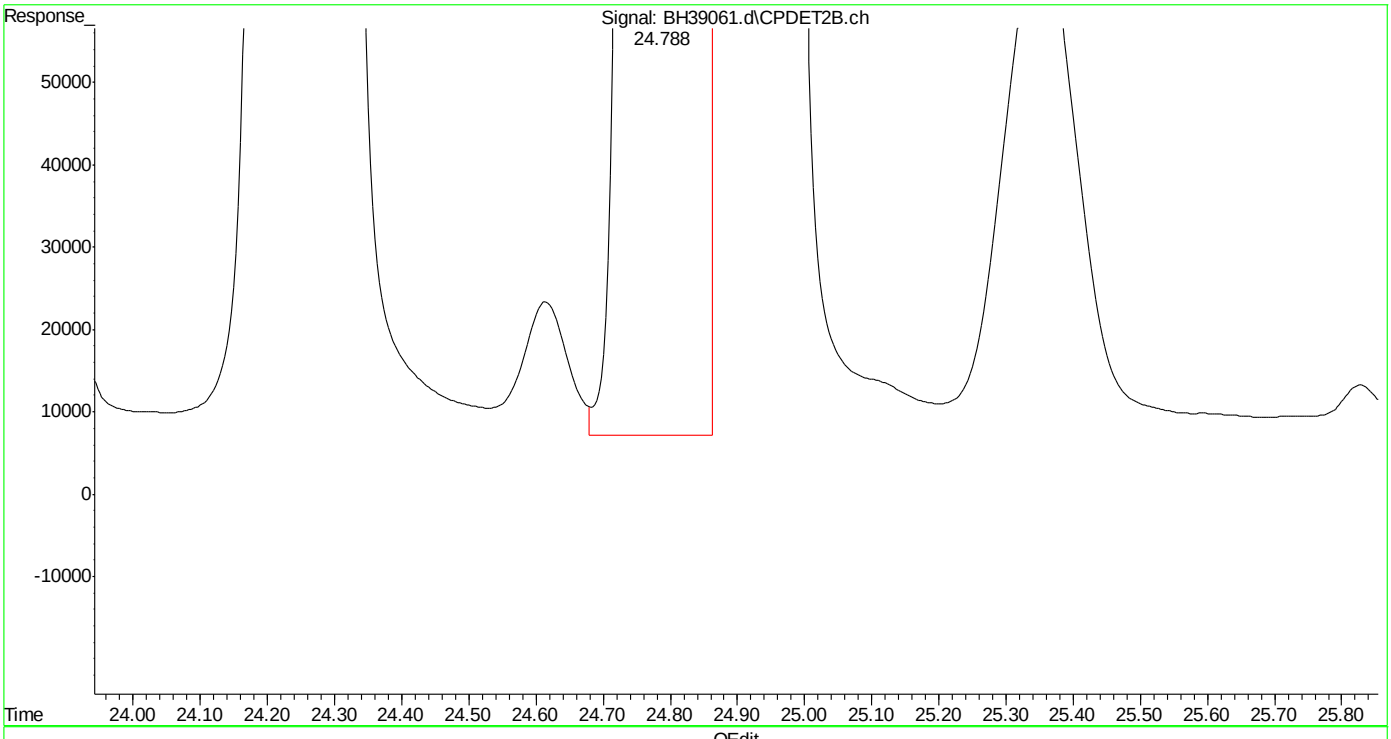
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.790min 227.464 ppb
response 150977704

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:35:34 2016

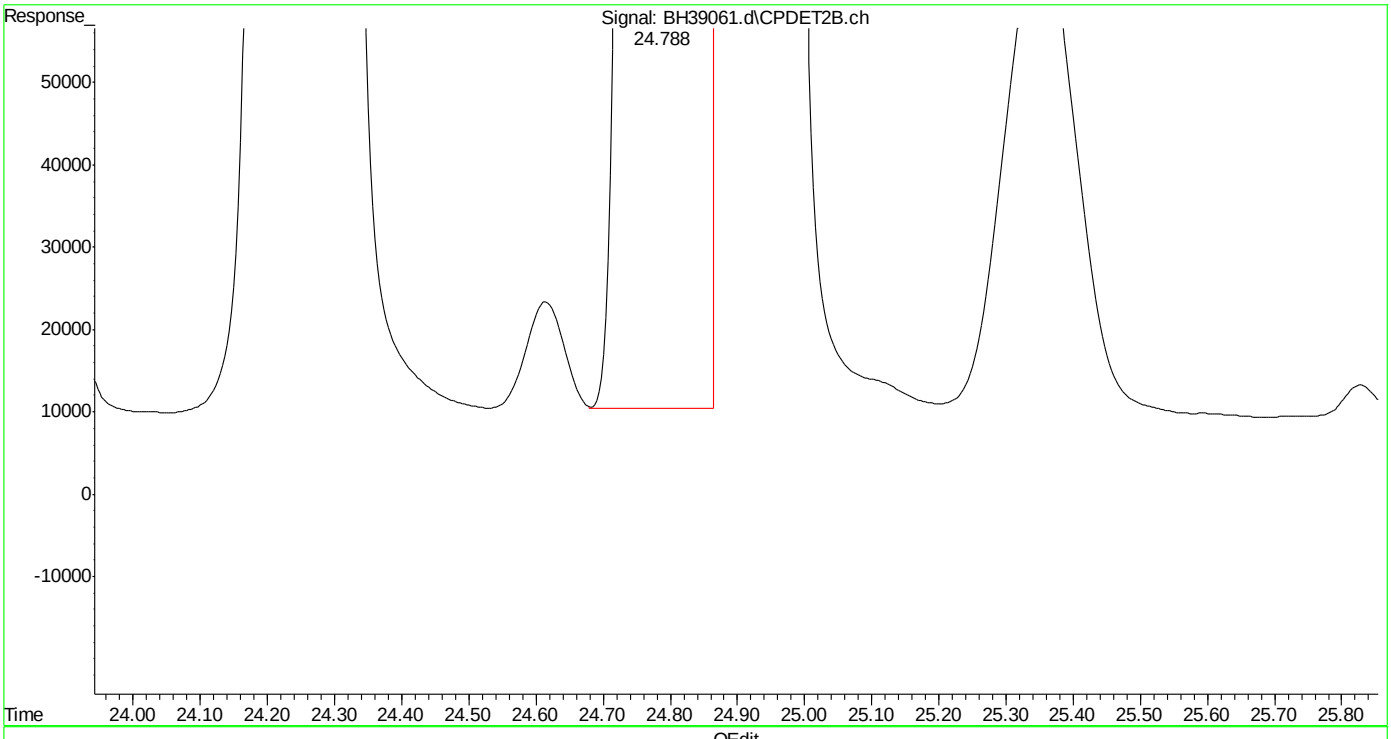
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 227.961 ppb m
response 151307419

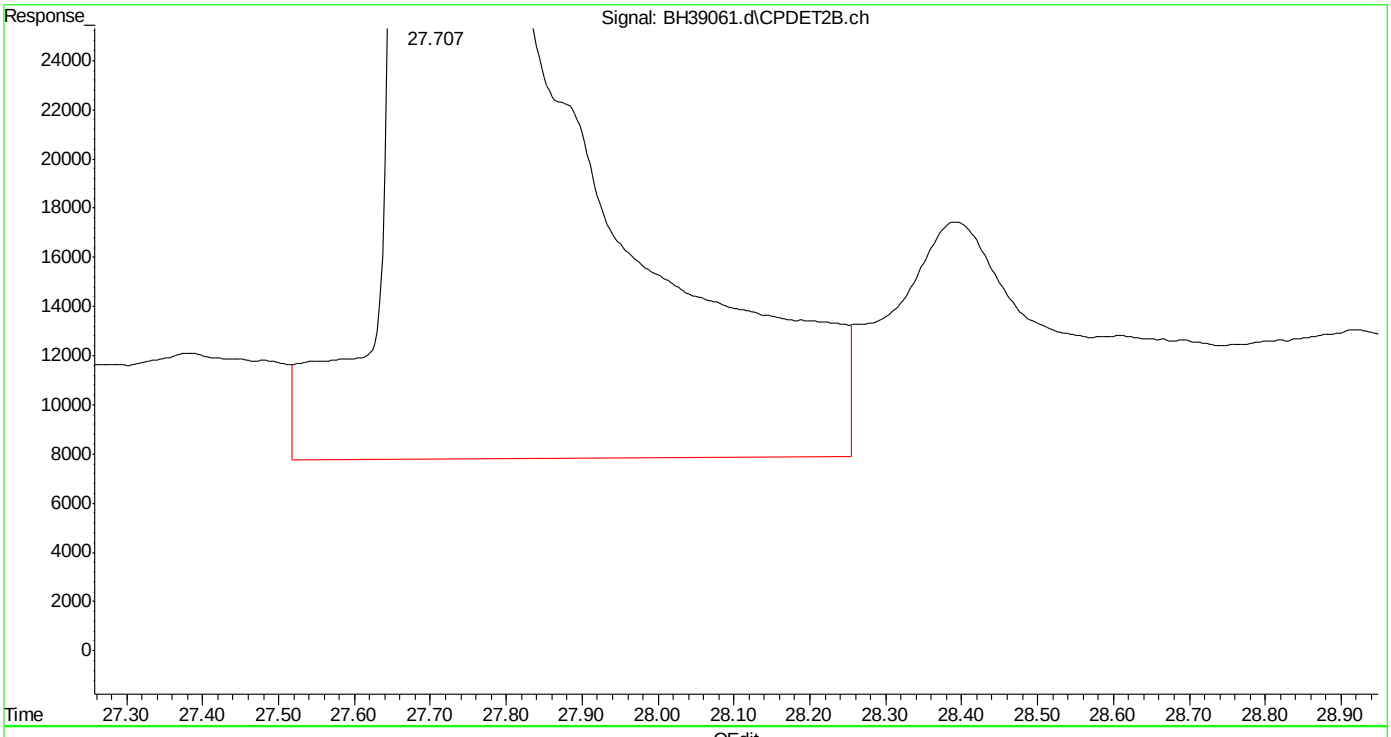
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:35:40 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.709min 213.546 ppb
response 125026985

(+) = Expected Retention Time

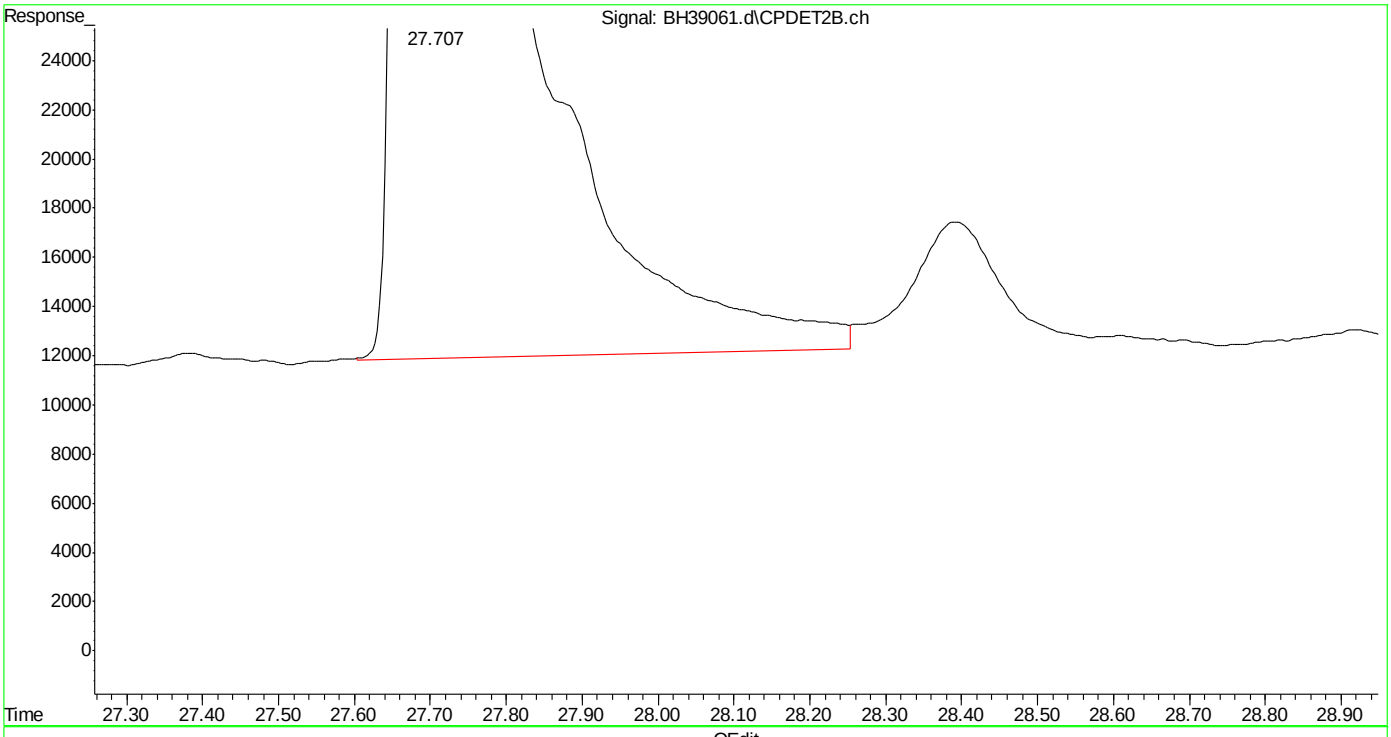
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 210.379 ppb m
response 123172740

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:27:38 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.669	90765234	94.980	ppb	m
Spiked Amount 50.000		Recovery = 189.96%			
9) s 2,3,4-trifluorotoluene	19.784	75839465	90.370	ppb	m
Spiked Amount 50.000		Recovery = 180.74%			
25) s fluorobenzene #2	14.670	39932324	96.875	ppb	m
Spiked Amount 50.000		Recovery = 193.75%			
27) s 2,3,4-trifluorotoluen...	19.784	24083903	92.259	ppb	m
Spiked Amount 50.000		Recovery = 184.52%			
Target Compounds					
1) h rt5.5-7	5.980	88006208	94.840	ppb	m
2) h rt7/10	8.250	98501845	94.329	ppb	m
3) t mtbe	9.013	61431151	96.594	ppb	m
4) h rt10/13	13.360	115530079	88.833	ppb	m
5) t benzene	14.167	114939363	92.831	ppb	m
8) t toluene	18.665	115659834	93.260	ppb	m
11) h rt20/25	21.460	104369658	86.406	ppb	m
13) t ethylbenzene	21.799	114887596	94.592	ppb	m
14) t m,p-xylene	21.943	240790244	188.659	ppb	m
15) t o-xylene	22.754	121140736	92.508	ppb	m
16) h decane	23.856	105281419	86.111	ppb	m
17) t 1,3,5-trimethylbenzene	24.253	127133133	91.670	ppb	m
18) t 1,2,4-trimethylbenzene	24.788	125753099	88.478	ppb	m
19) h butylcyclohexane	24.940	116336140	88.710	ppb	m
20) t naphthalene	27.708	80532183	91.988	ppb	m
23) t mtbe #2	9.011	28641380	99.729	ppb	m
24) t benzene #2	14.167	63717445	93.925	ppb	m
26) t toluene #2	18.665	59634760	94.492	ppb	m
28) t ethylbenzene #2	21.798	53836458	97.772	ppb	m
29) t m,p-xylene #2	21.942	129216067	189.226	ppb	m
30) t o-xylene #2	22.753	55746821	93.545	ppb	m
31) t 1,3,5-trimethylbenzen...	24.254	80495892	92.845	ppb	
32) t 1,2,4-trimethylbenzen...	24.788	61313205	90.987	ppb	m
33) t naphthalene #2	27.707	54237843	91.294	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	61406833	91.081	ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

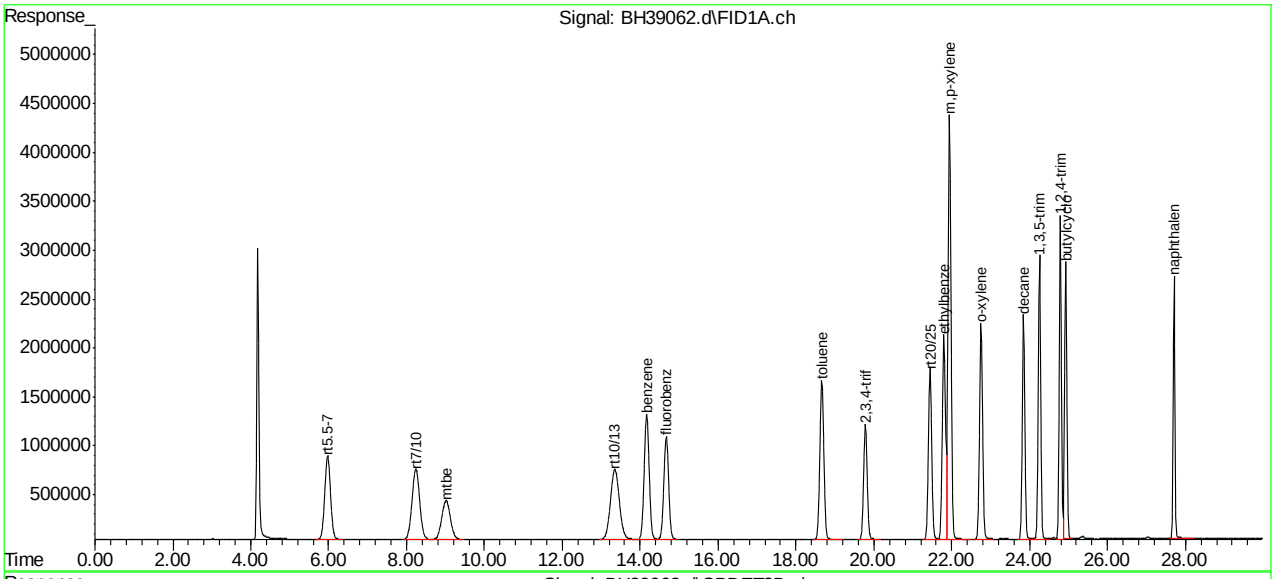
SGS ACCUTEST MC45754

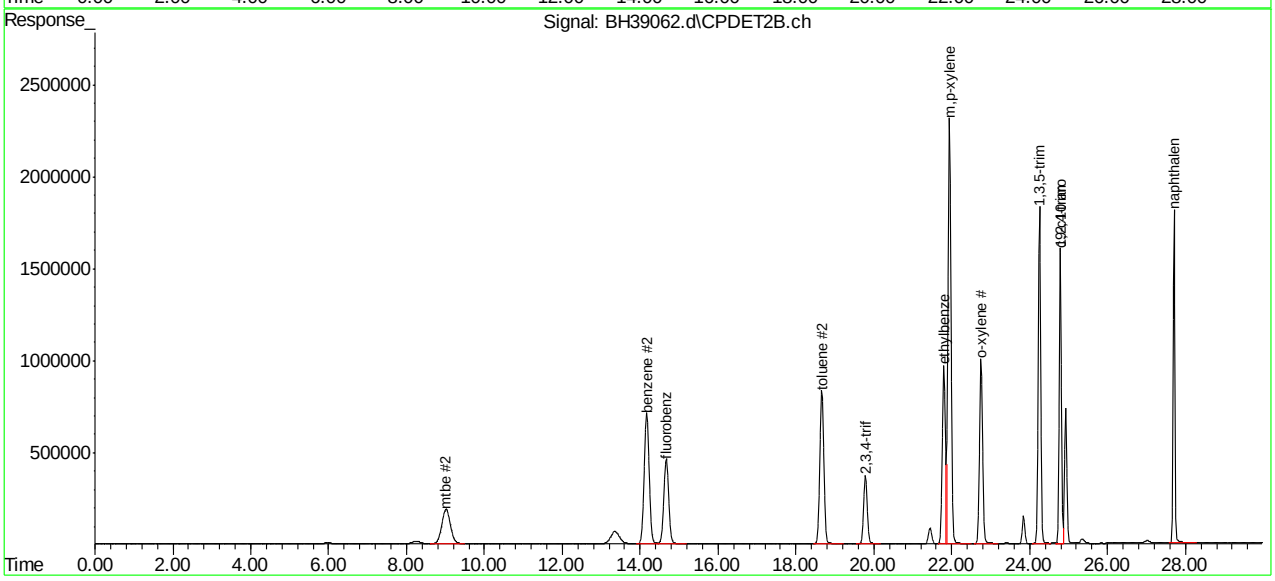
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

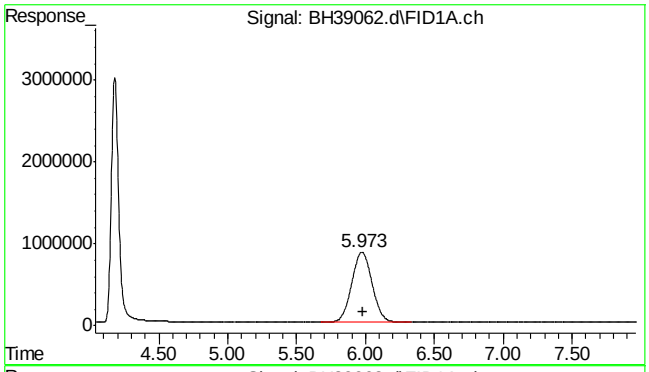
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:27:38 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



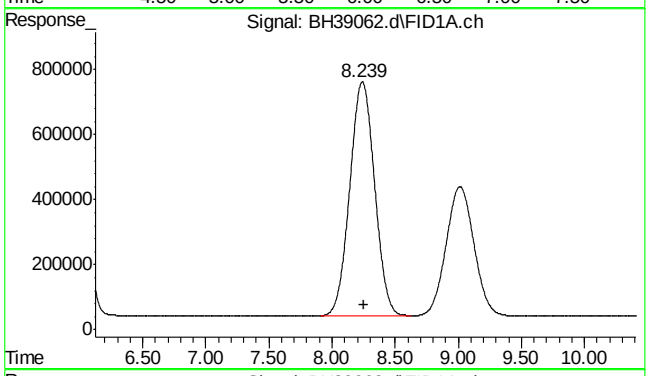


SGS ACCUTEST MC45754



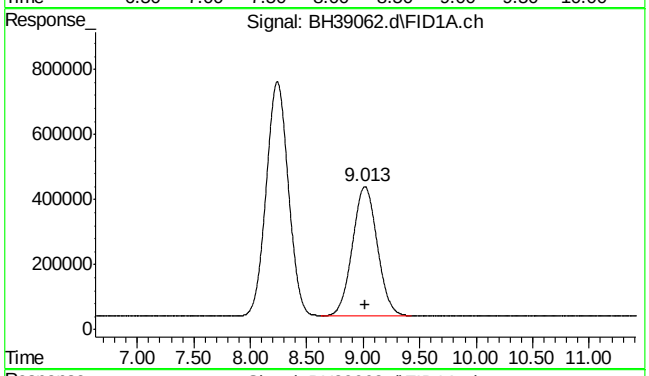
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 88006208
Conc: 94.84 ppb m



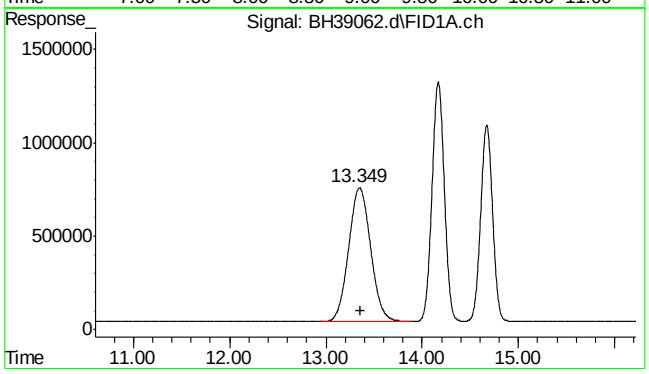
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 98501845
Conc: 94.33 ppb m



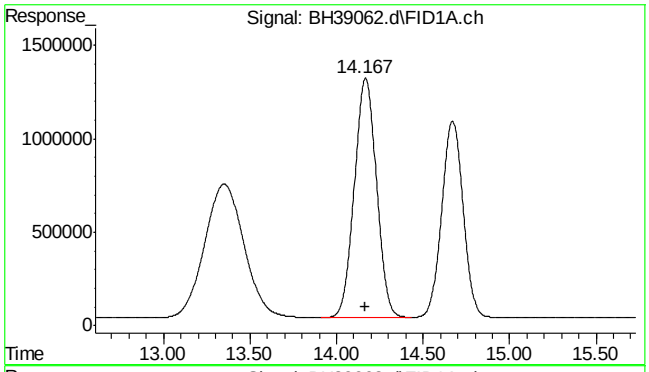
#3 mtbe

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 61431151
Conc: 96.59 ppb m



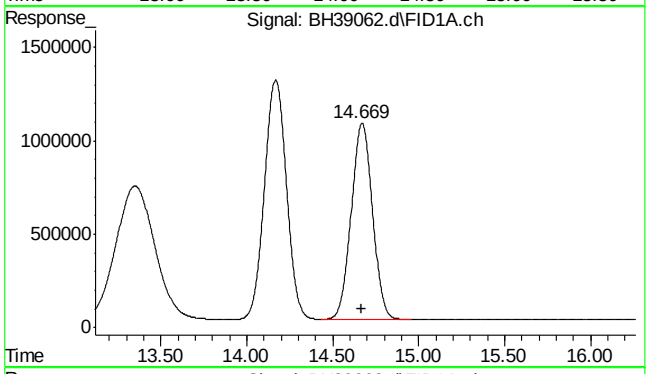
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 115530079
Conc: 88.83 ppb m



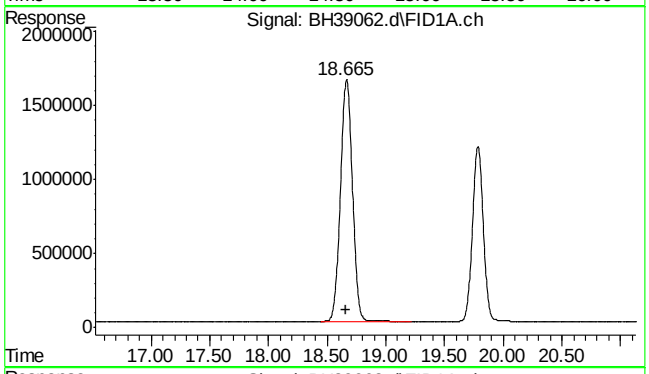
#5 benzene

R.T.: 14.167 min
Delta R.T.: 0.000 min
Response: 114939363
Conc: 92.83 ppb m



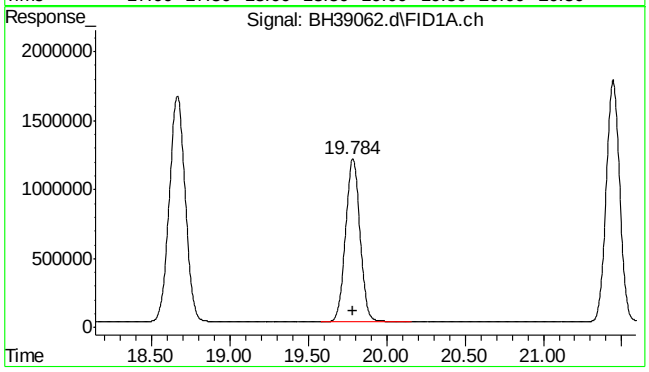
#6 fluorobenzene

R.T.: 14.669 min
Delta R.T.: 0.000 min
Response: 90765234
Conc: 94.98 ppb m



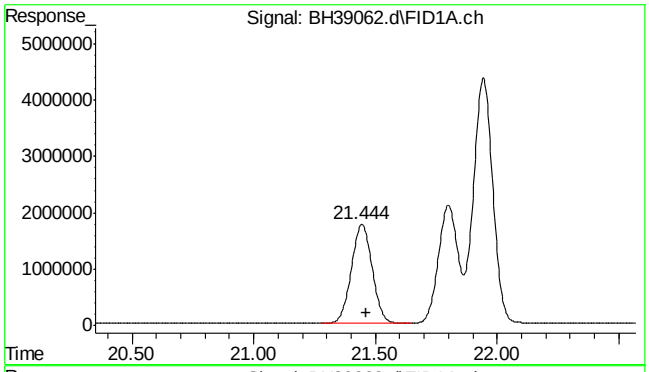
#8 toluene

R.T.: 18.665 min
Delta R.T.: 0.000 min
Response: 115659834
Conc: 93.26 ppb m



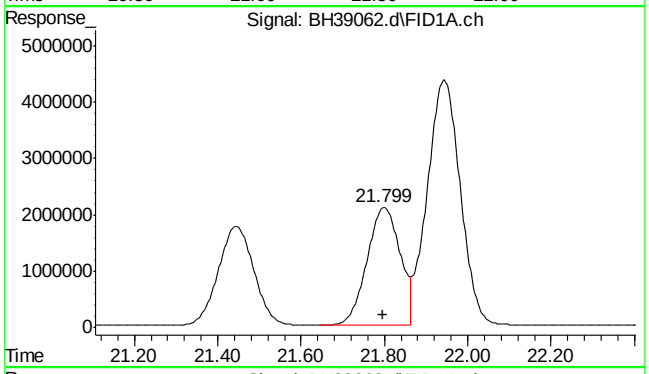
#9 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 75839465
Conc: 90.37 ppb m



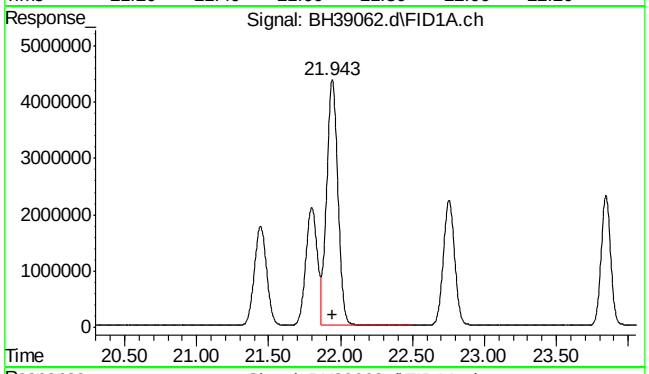
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 104369658
Conc: 86.41 ppb m



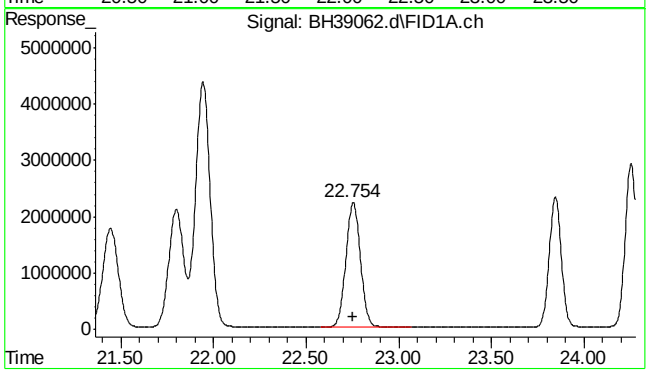
#13 ethylbenzene

R.T.: 21.799 min
Delta R.T.: 0.000 min
Response: 114887596
Conc: 94.59 ppb m



#14 m,p-xylene

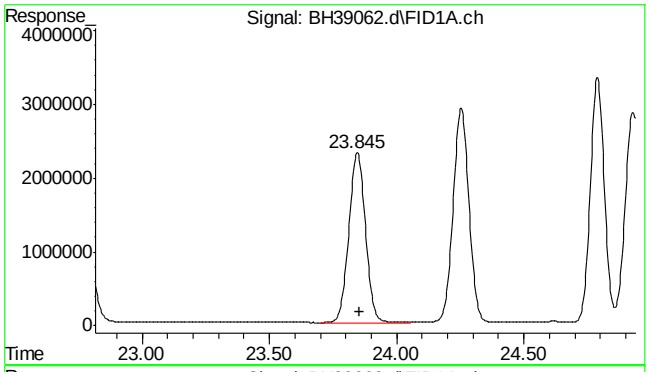
R.T.: 21.943 min
Delta R.T.: 0.000 min
Response: 240790244
Conc: 188.66 ppb m



#15 o-xylene

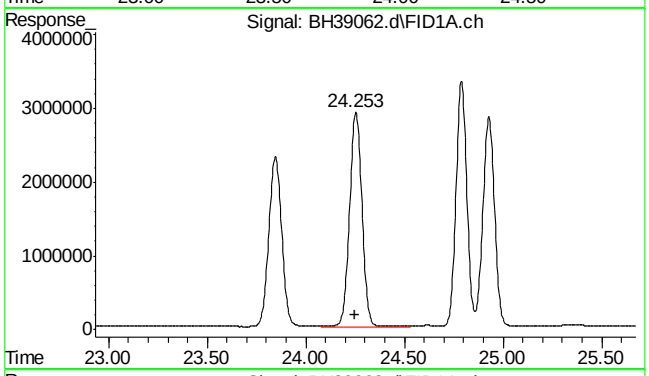
R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 121140736
Conc: 92.51 ppb m

SGS ACCUTEST MC45754



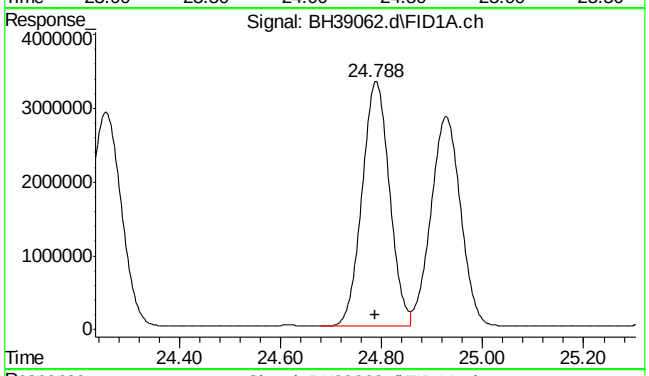
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 105281419
Conc: 86.11 ppb m



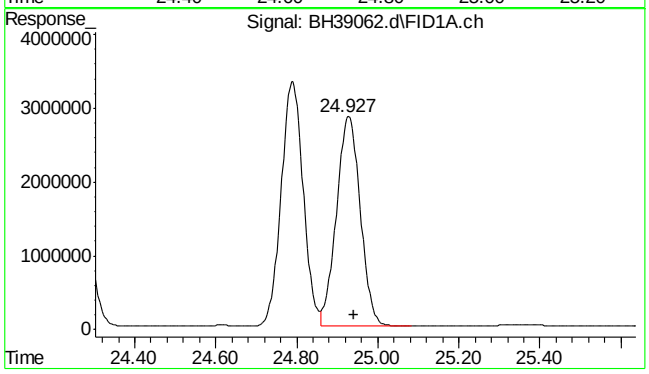
#17 1,3,5-trimethylbenzene

R.T.: 24.253 min
Delta R.T.: 0.001 min
Response: 127133133
Conc: 91.67 ppb m



#18 1,2,4-trimethylbenzene

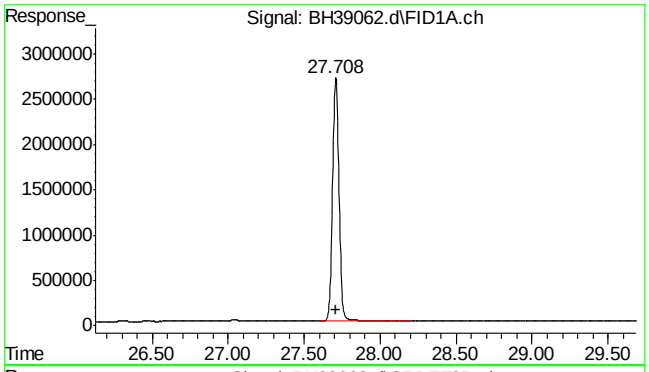
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 125753099
Conc: 88.48 ppb m



#19 butylcyclohexane

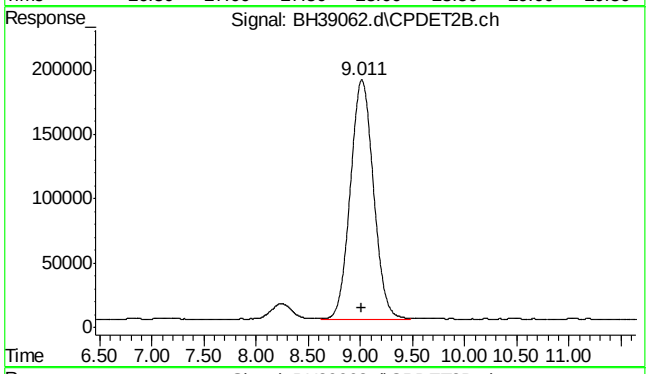
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 116336140
Conc: 88.71 ppb m

SGS ACCUTEST MC45754



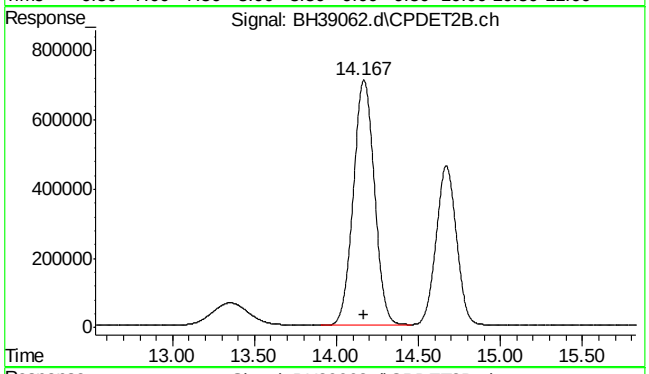
#20 naphthalene

R.T.: 27.708 min
Delta R.T.: 0.001 min
Response: 80532183
Conc: 91.99 ppb m



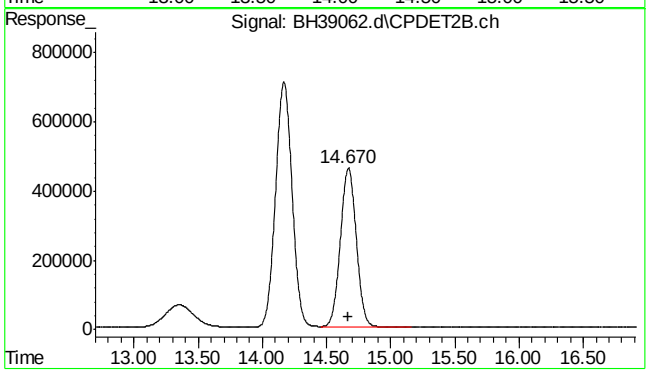
#23 mtbe #2

R.T.: 9.011 min
Delta R.T.: -0.002 min
Response: 28641380
Conc: 99.73 ppb m



#24 benzene #2

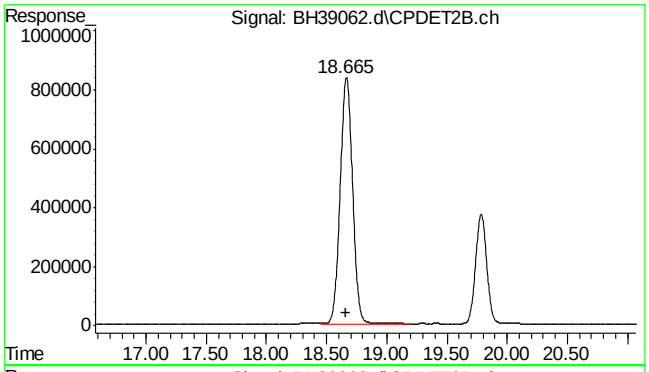
R.T.: 14.167 min
Delta R.T.: 0.001 min
Response: 63717445
Conc: 93.93 ppb m



#25 fluorobenzene #2

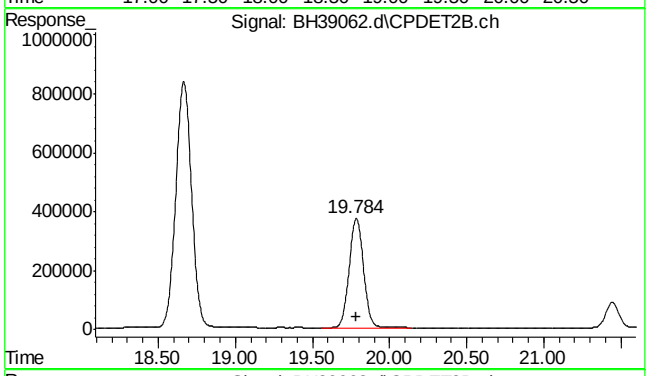
R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 39932324
Conc: 96.88 ppb m

SGS ACCUTEST MC45754



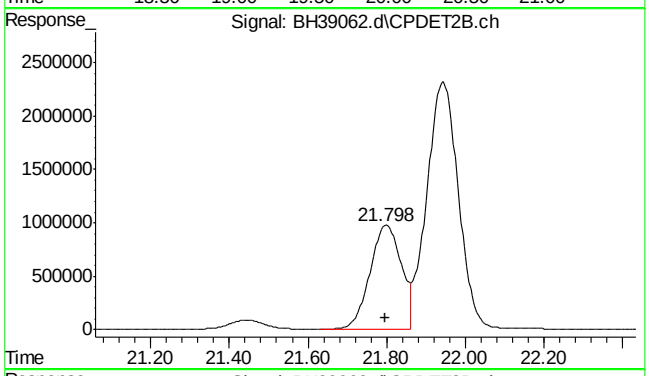
#26 toluene #2

R.T.: 18.665 min
Delta R.T.: 0.000 min
Response: 59634760
Conc: 94.49 ppb m



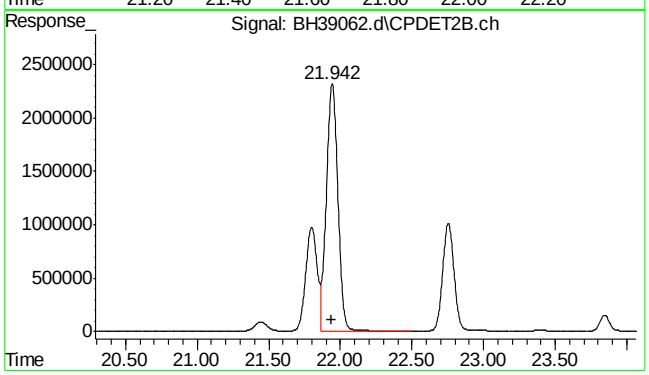
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 24083903
Conc: 92.26 ppb m



#28 ethylbenzene #2

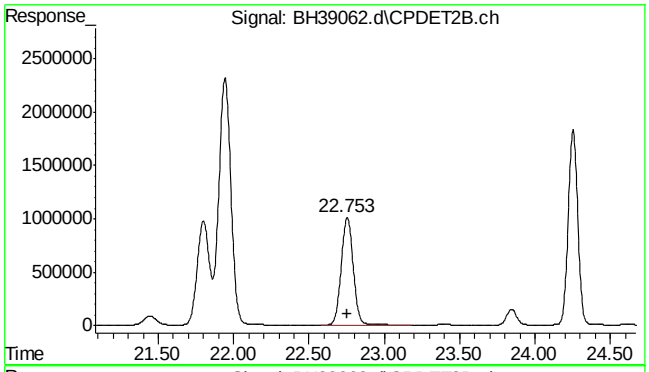
R.T.: 21.798 min
Delta R.T.: 0.001 min
Response: 53836458
Conc: 97.77 ppb m



#29 m,p-xylene #2

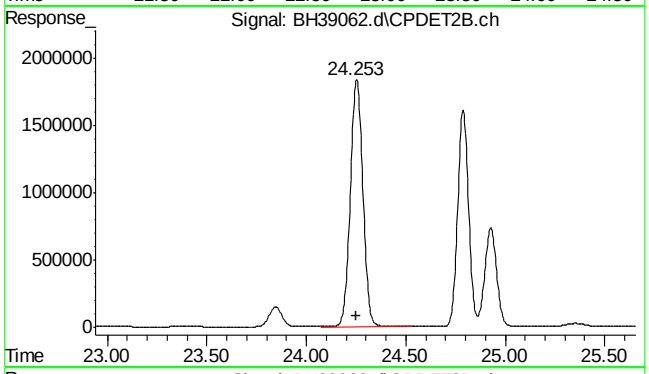
R.T.: 21.942 min
Delta R.T.: 0.001 min
Response: 129216067
Conc: 189.23 ppb m

SGS ACCUTEST MC45754



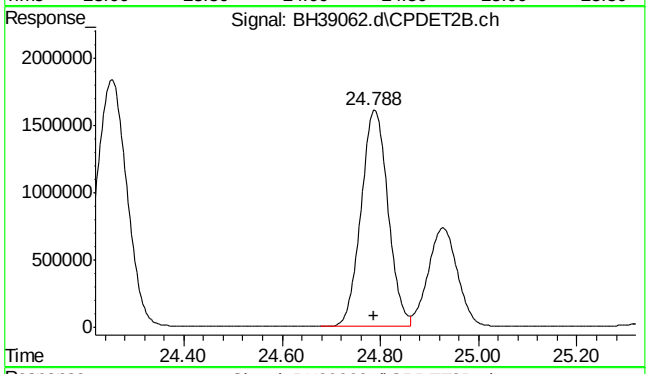
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 55746821
Conc: 93.54 ppb m



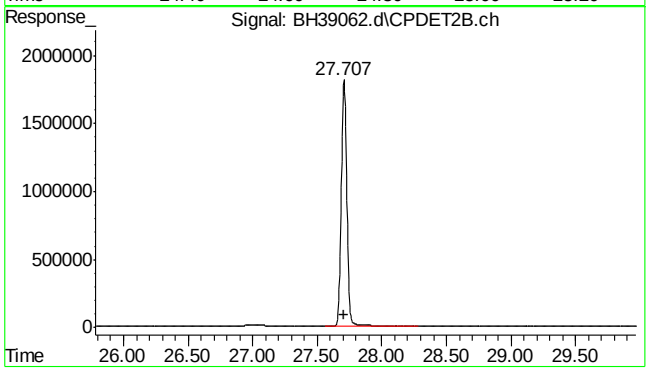
#31 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.002 min
Response: 80495892
Conc: 92.84 ppb



#32 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 61313205
Conc: 90.99 ppb m



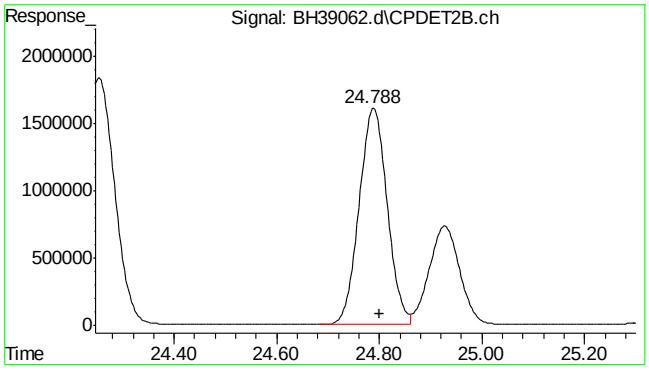
#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.001 min
Response: 54237843
Conc: 91.29 ppb m

7.5.4

7

SGS ACCUTEST MC45754



#34 c9-c10 arom as 1,2,4-tmb

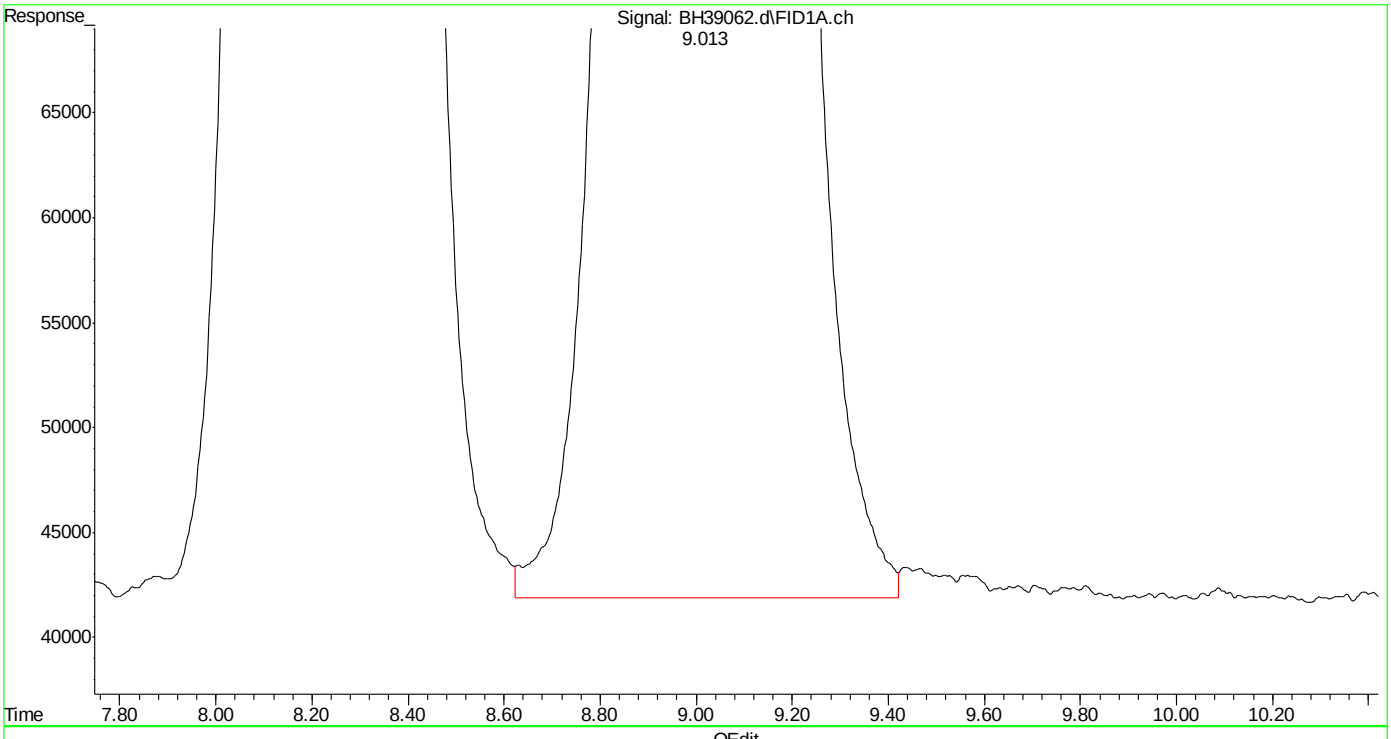
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 61406833
Conc: 91.08 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.014min 96.619 ppb
response 61447064

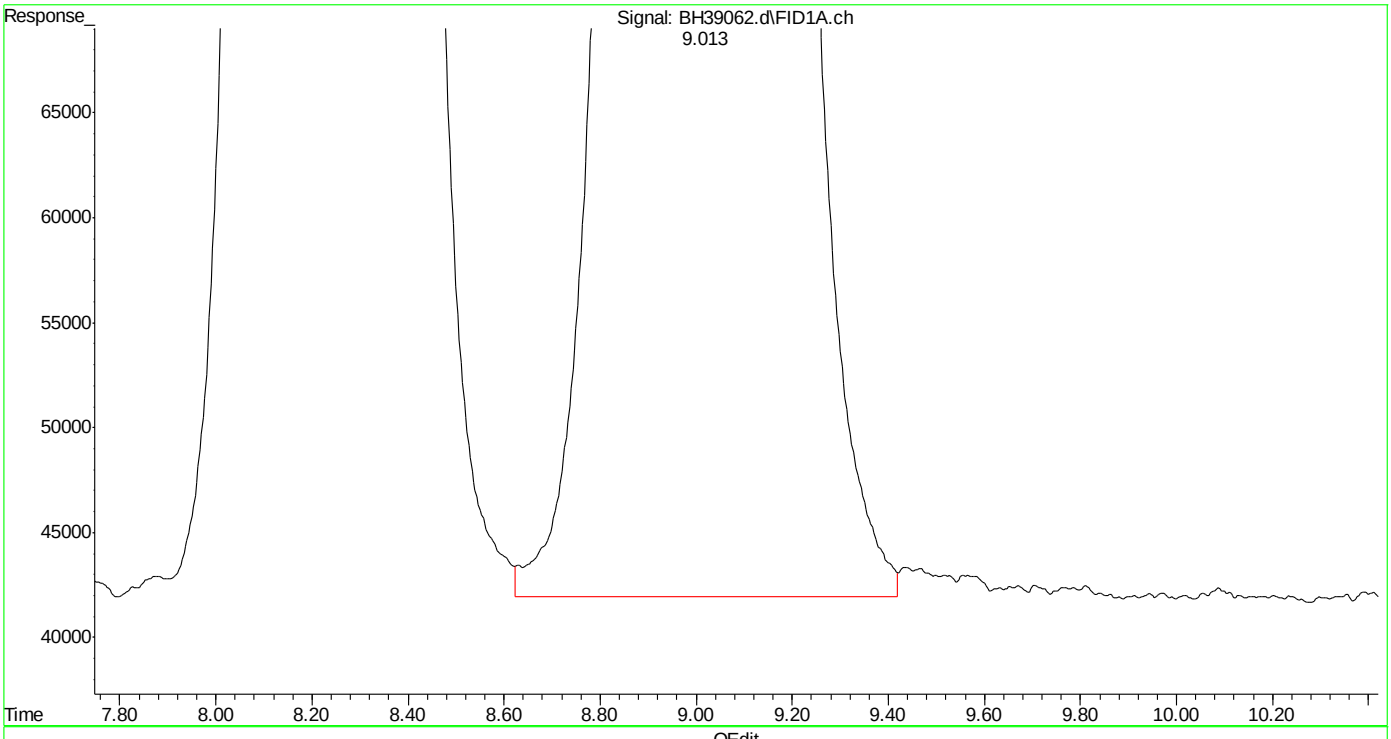
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:21:50 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.013min 96.594 ppb m
response 61431151

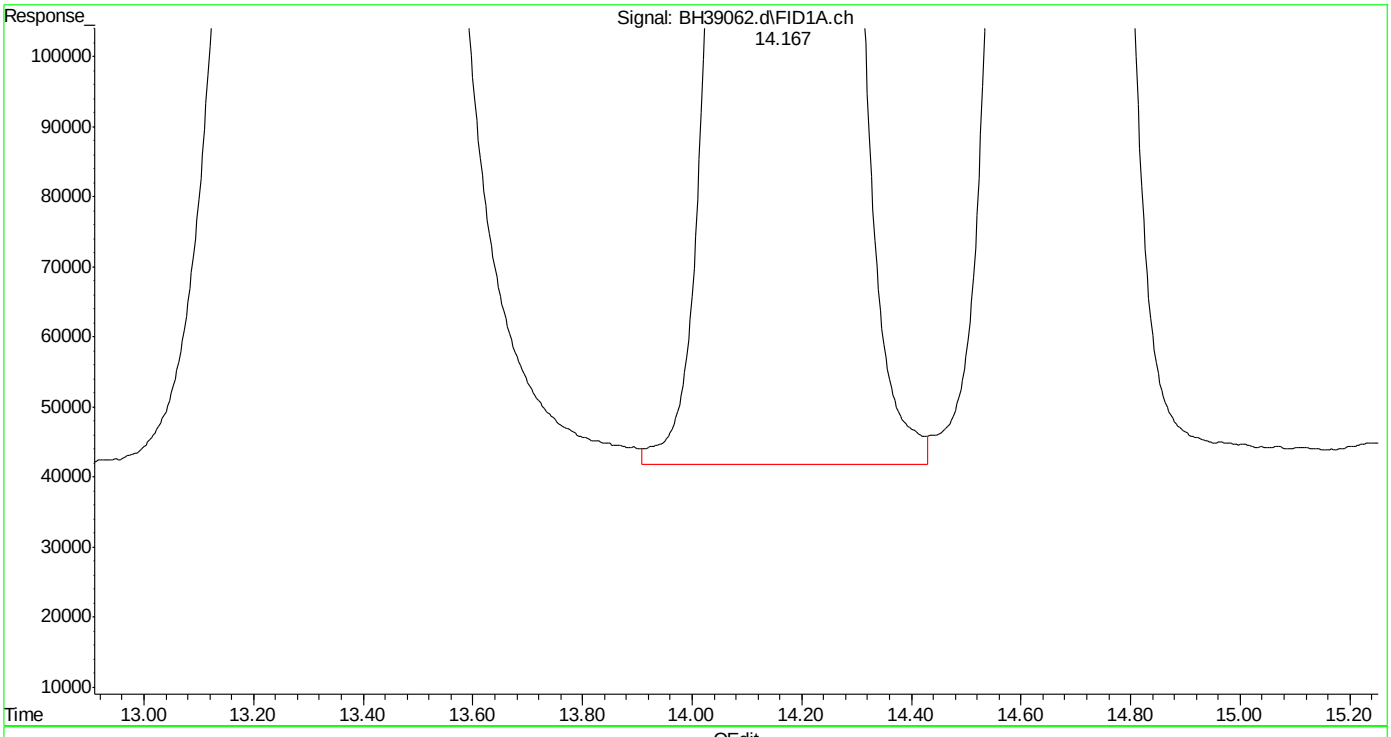
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:21:57 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.168min 92.937 ppb
response 115071123

(+) = Expected Retention Time

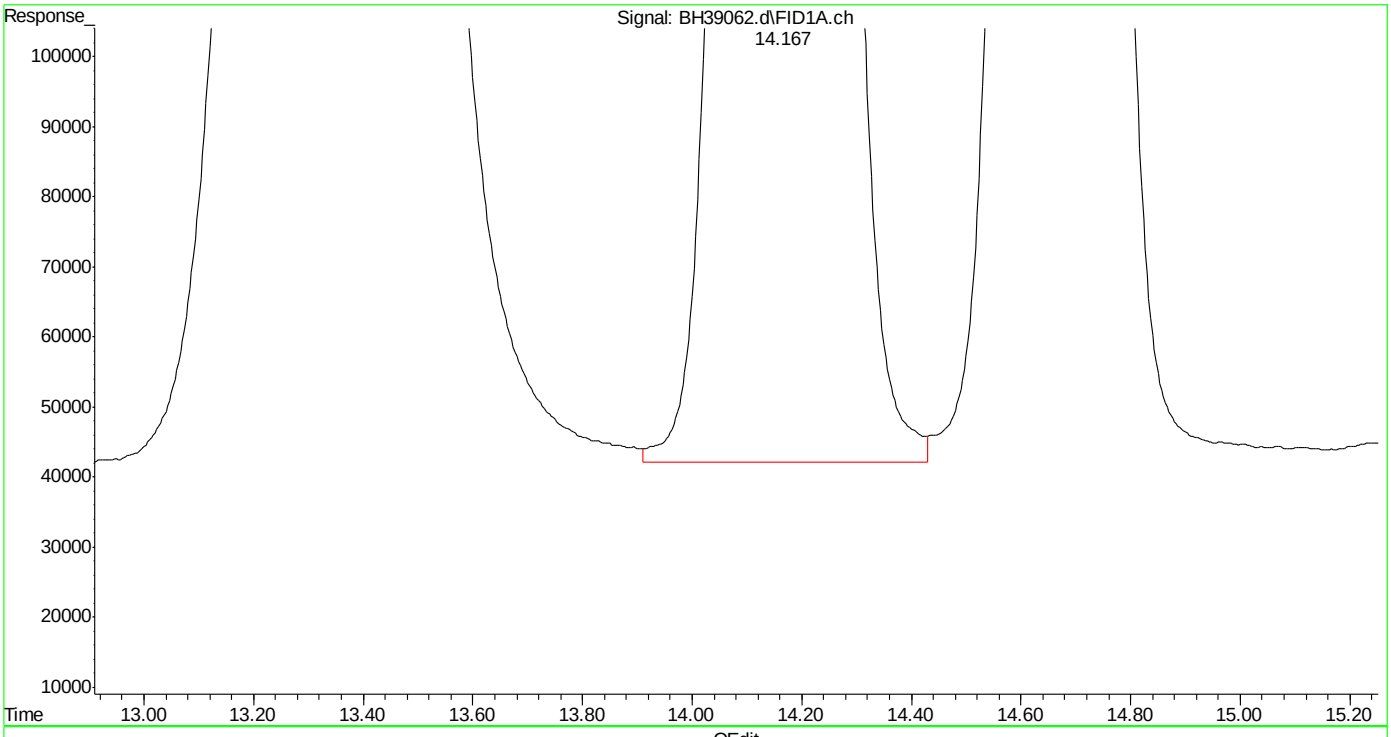
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.167min 92.831 ppb m
response 114939363

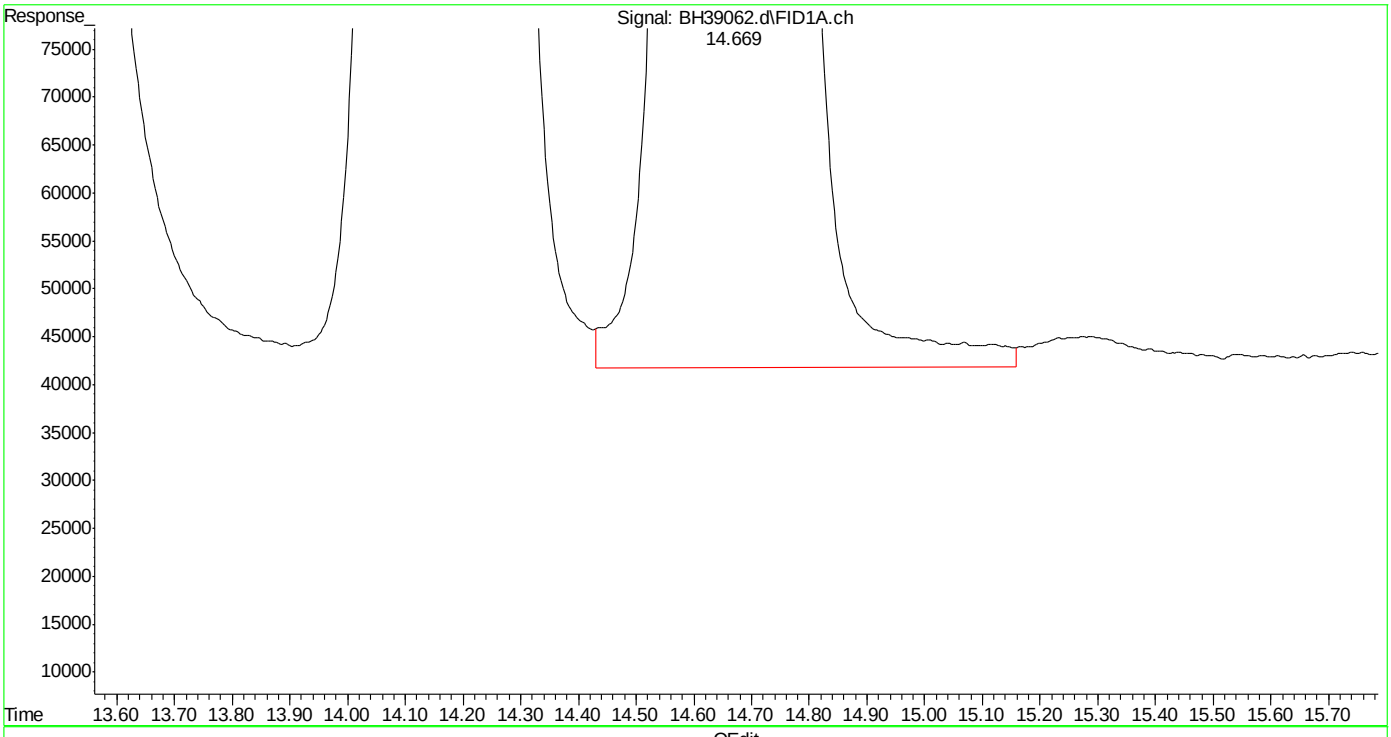
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.671min 96.006 ppb
response 91745451

(+) = Expected Retention Time

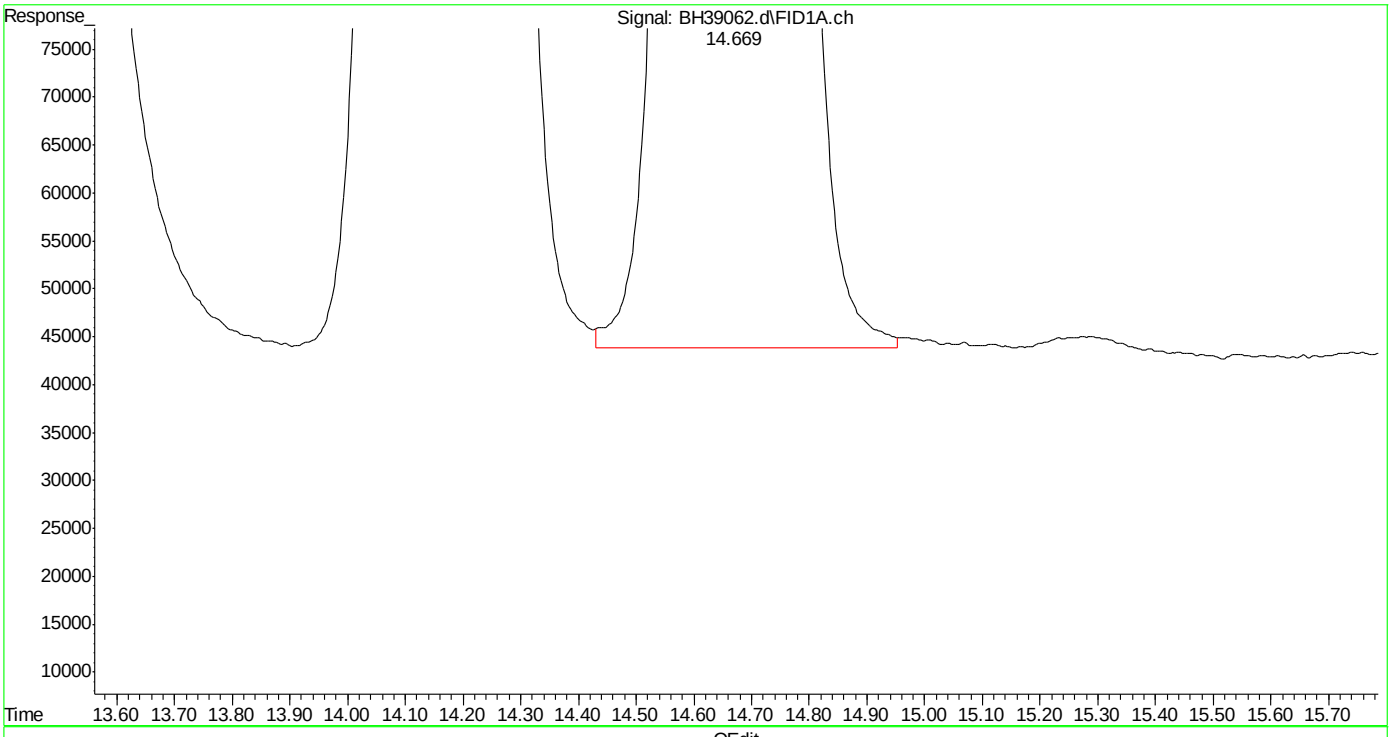
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.669min 94.980 ppb m
response 90765234

(+) = Expected Retention Time

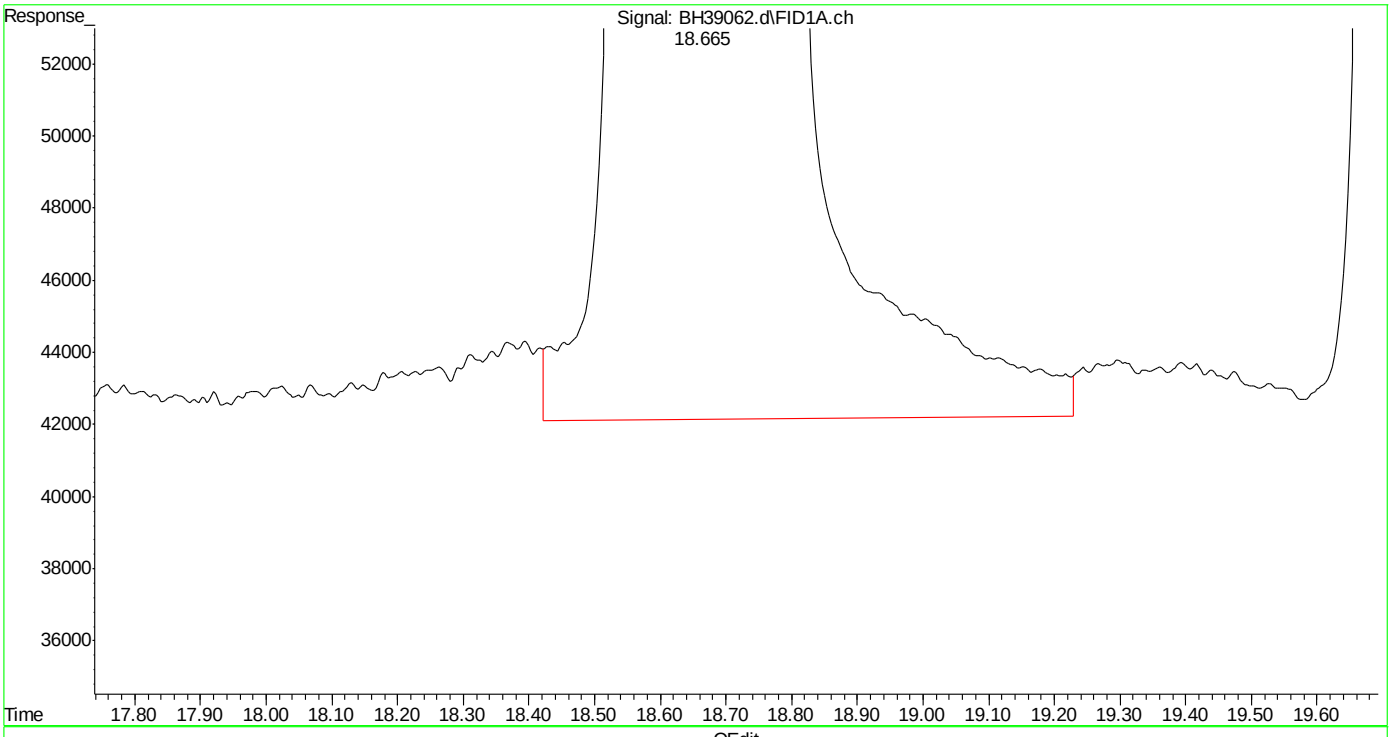
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.666min 93.708 ppb
response 116215260

(+) = Expected Retention Time

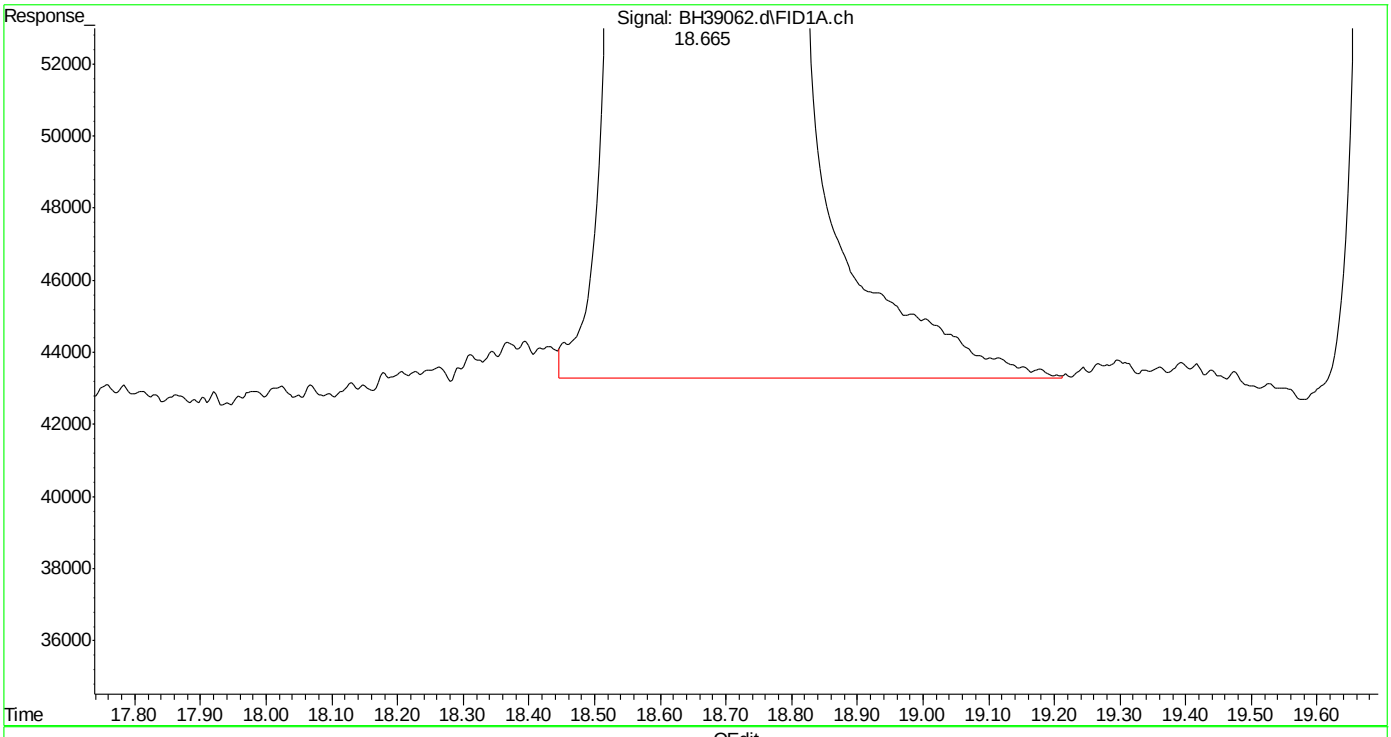
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.665min 93.260 ppb m
response 115659834

(+) = Expected Retention Time

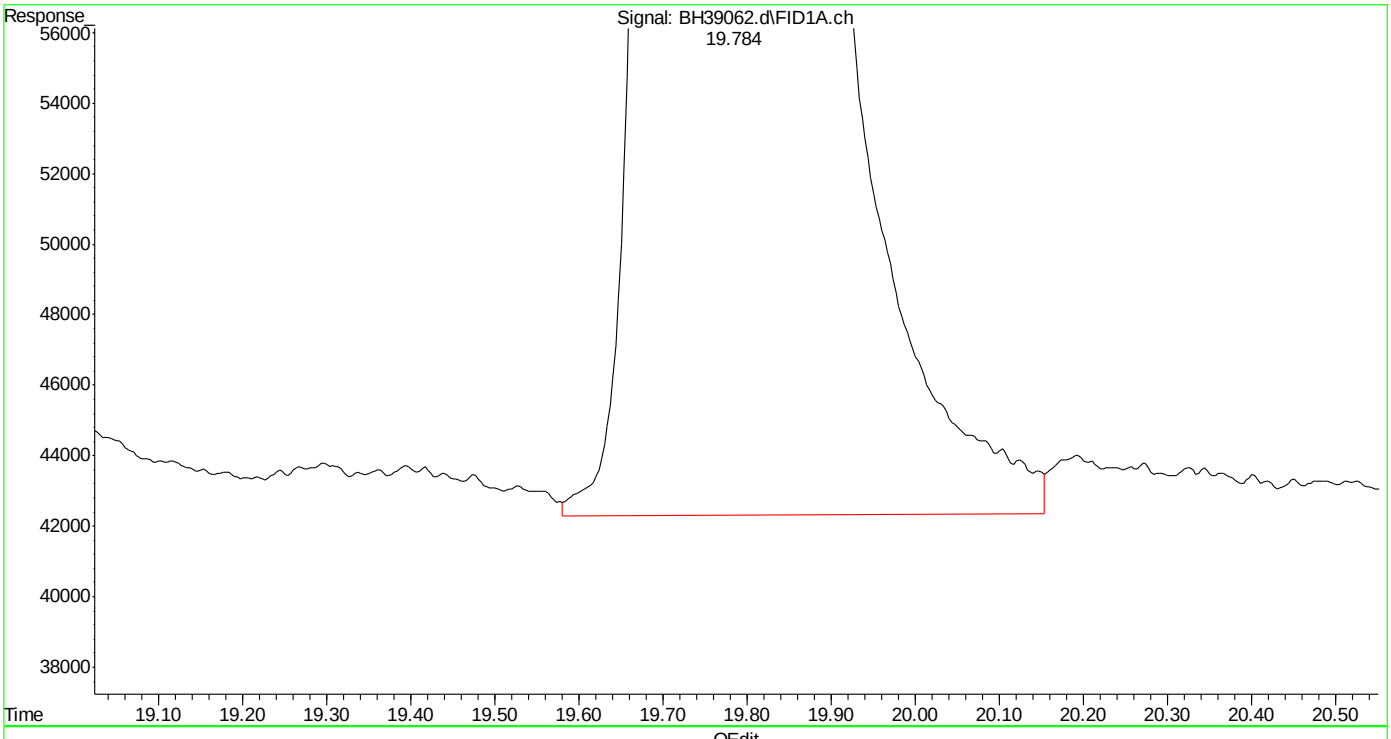
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.785min 90.510 ppb
response 75956747

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:22:51 2016 Page: 1

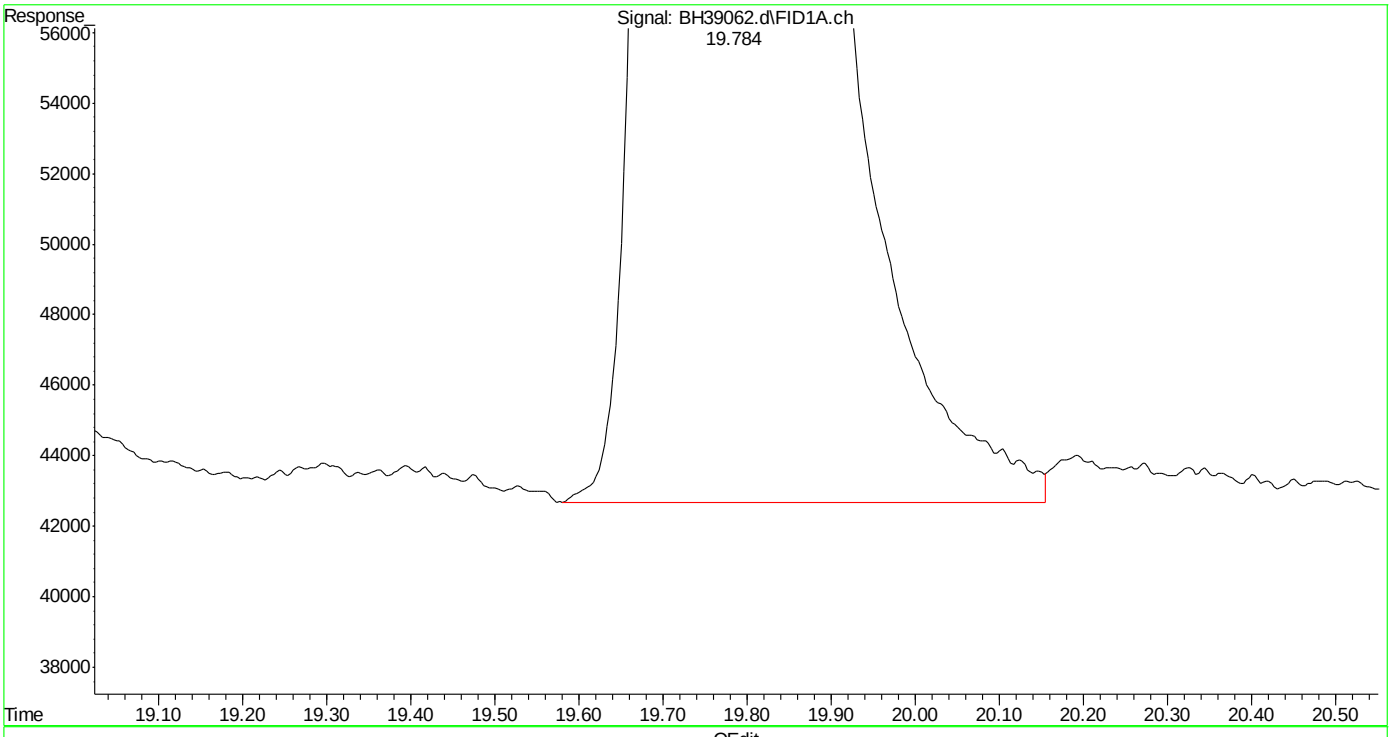
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.784min 90.370 ppb m
response 75839465

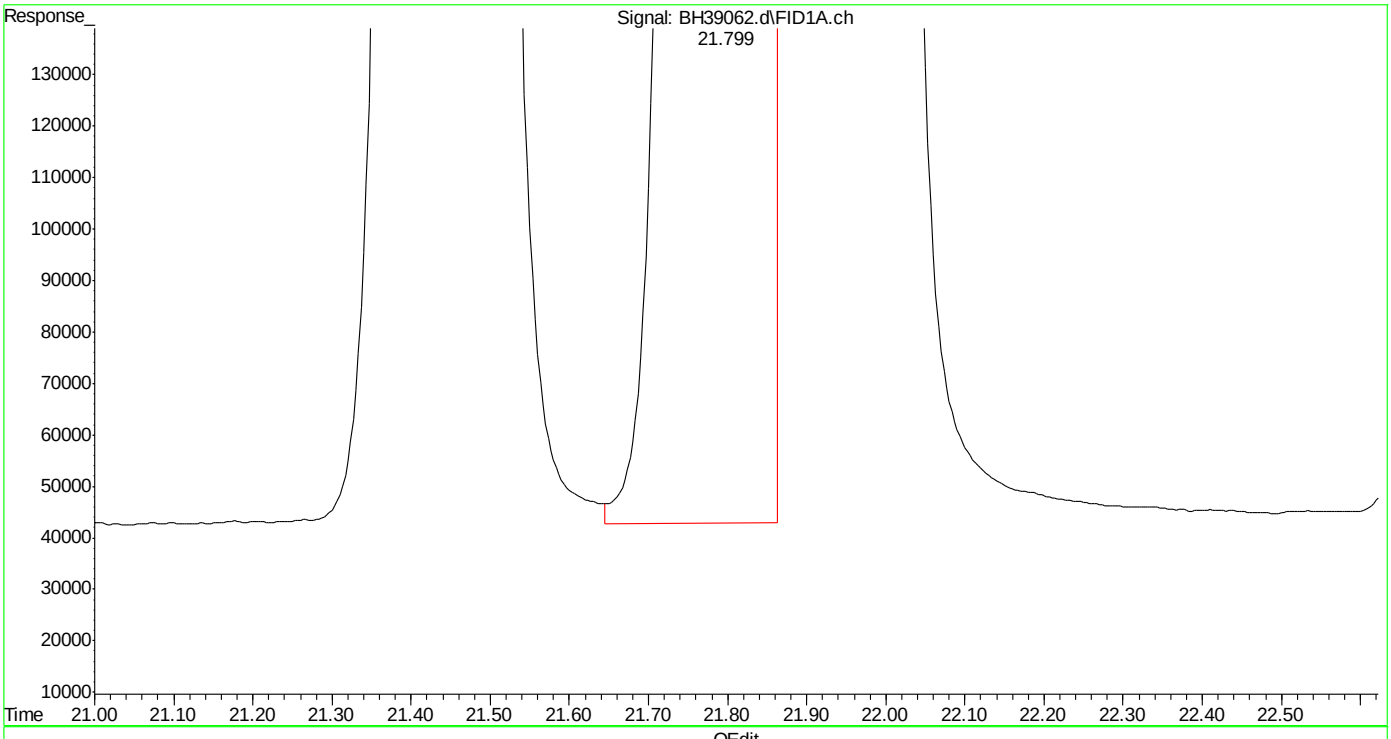
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:23:00 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.800min 94.719 ppb
response 115042660

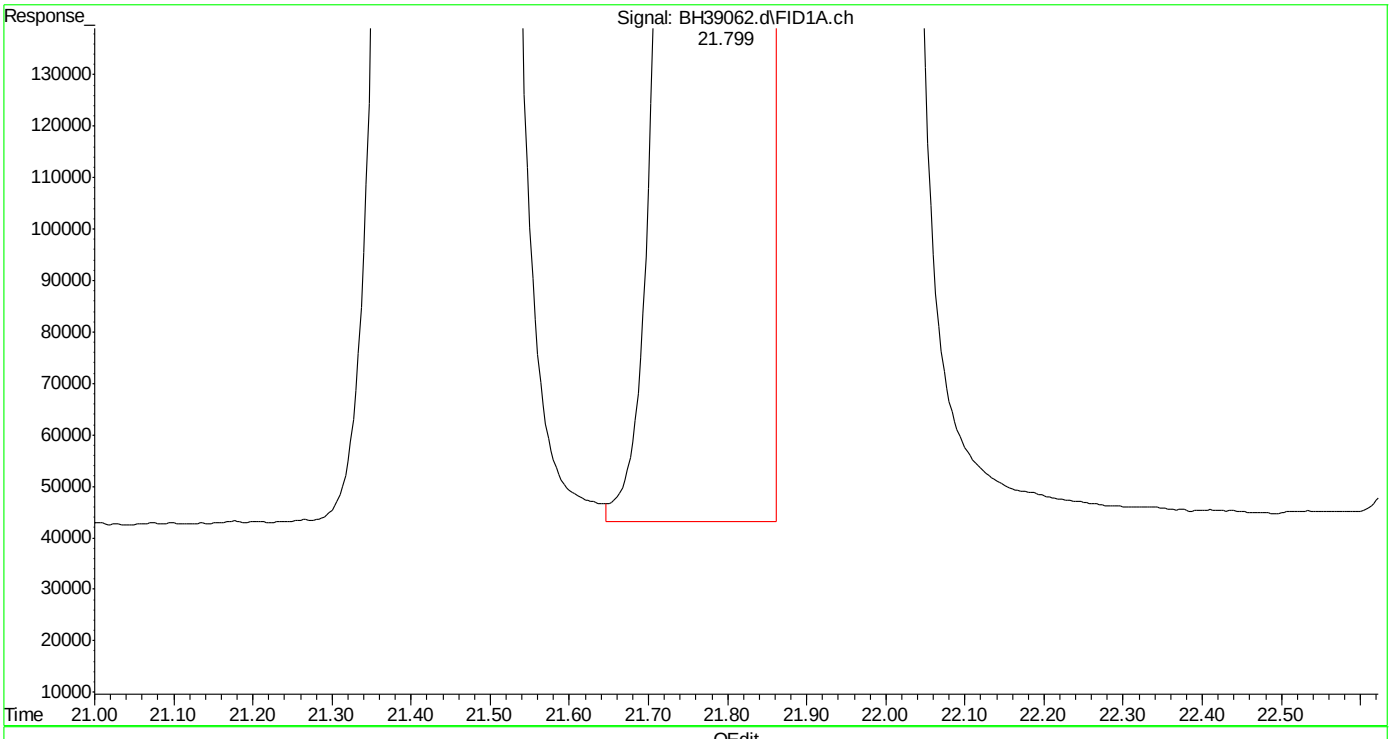
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 94.592 ppb m
response 114887596

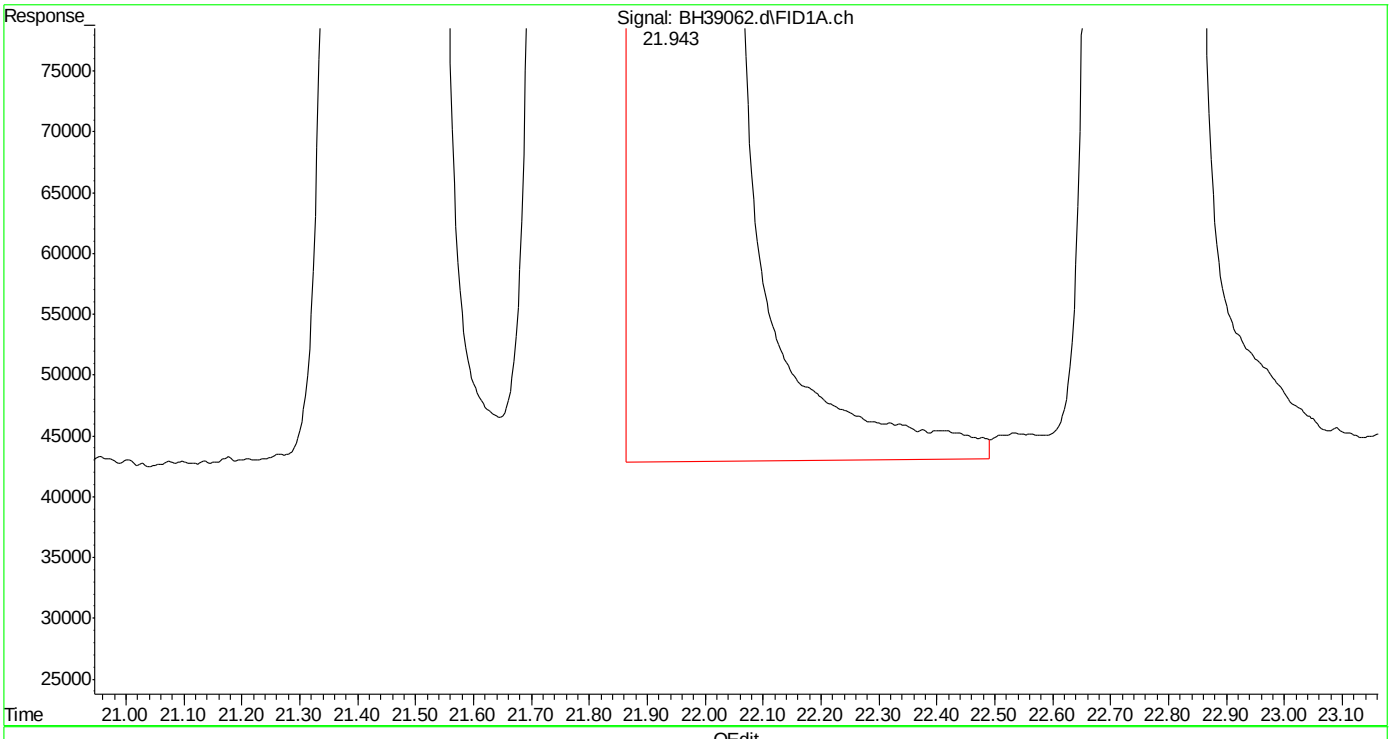
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.944min 189.607 ppb
response 241999930

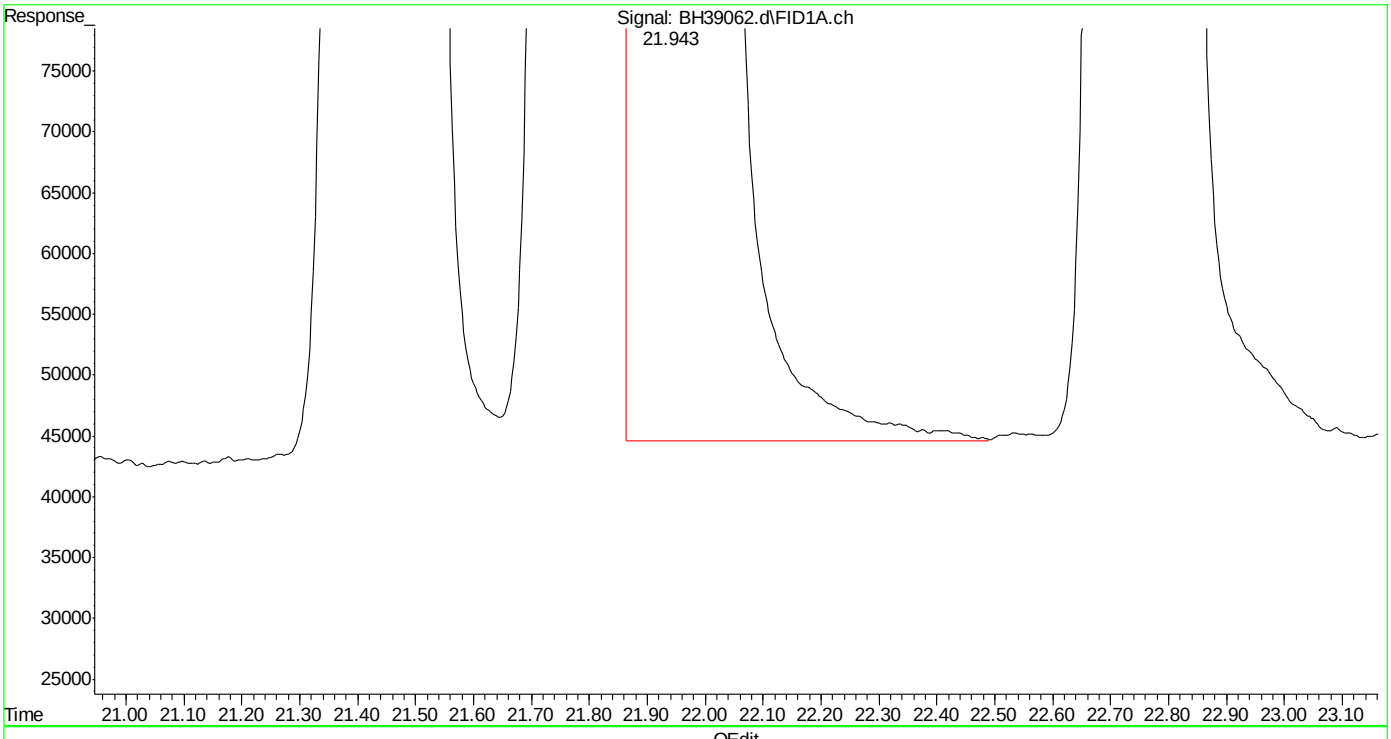
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 188.659 ppb m
response 240790244

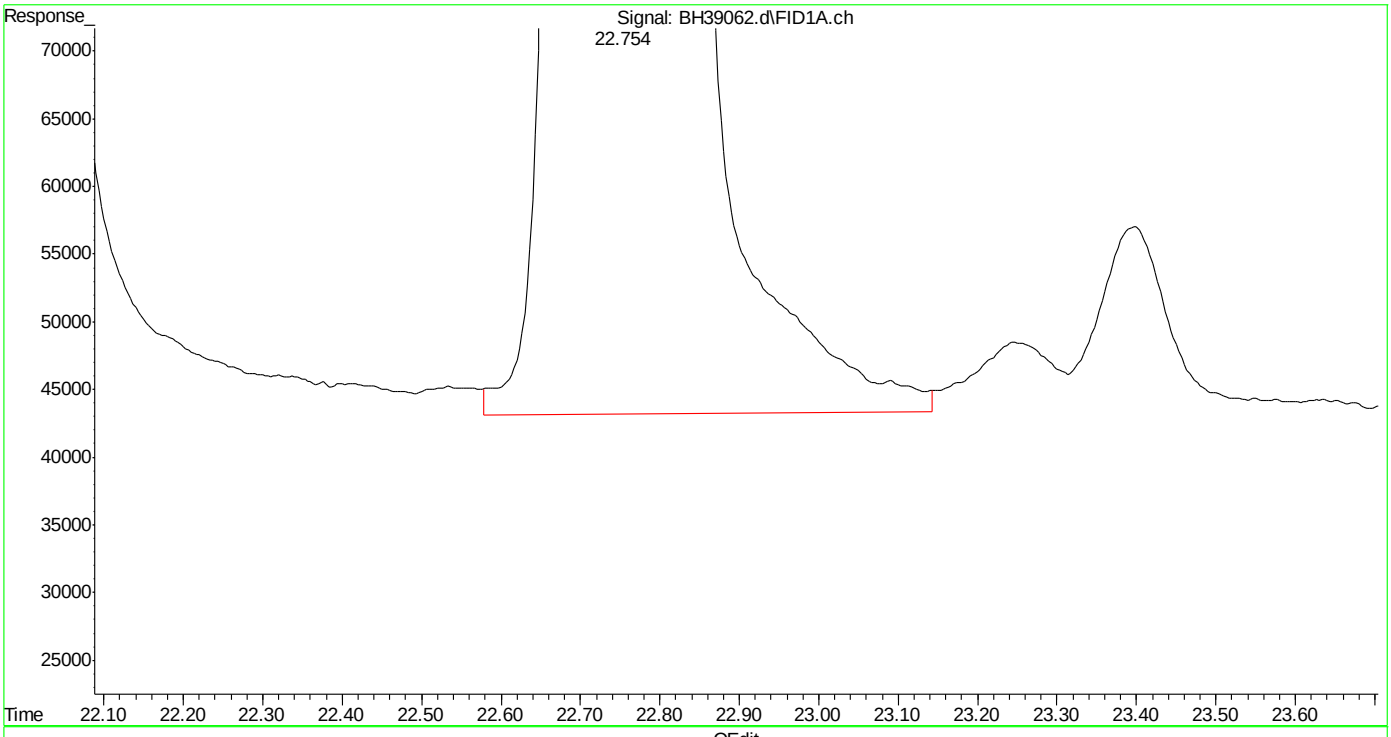
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:23:38 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.755min 92.872 ppb
response 121617308

(+) = Expected Retention Time

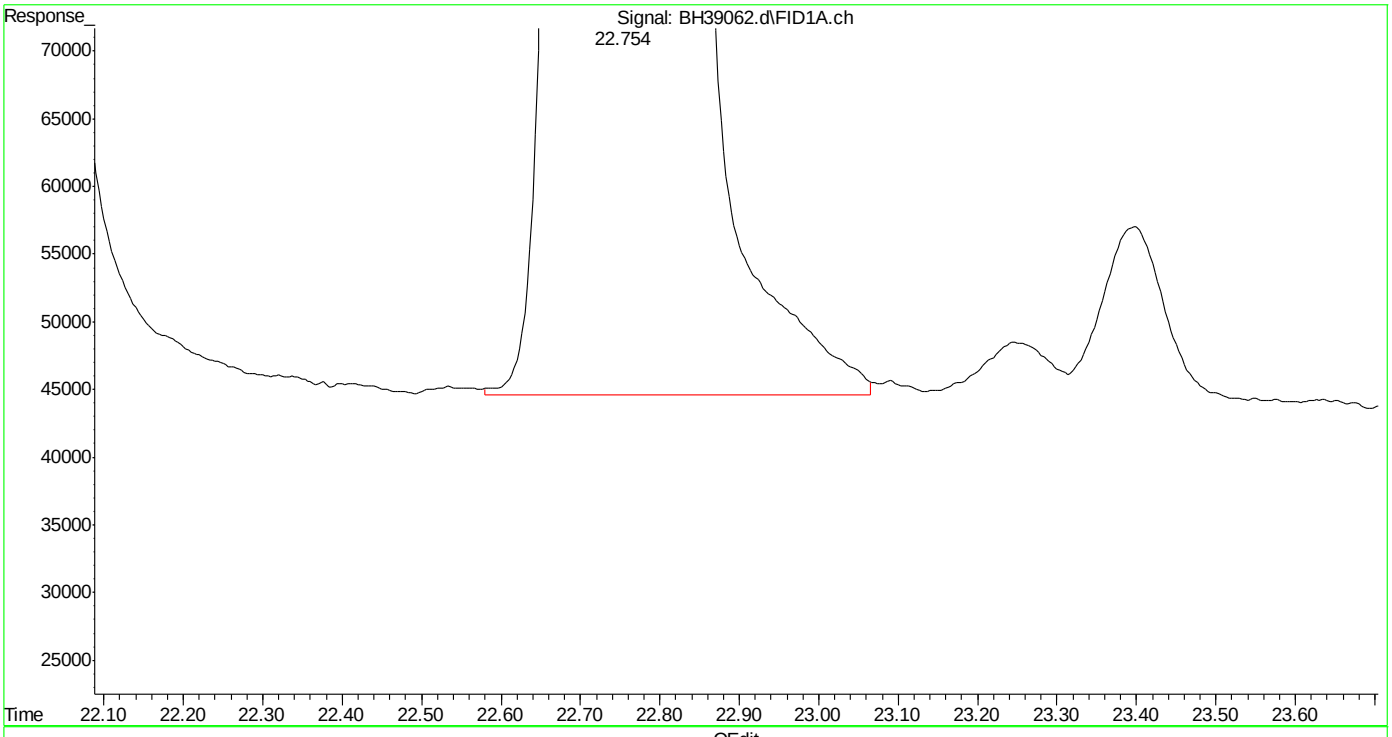
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.754min 92.508 ppb m
response 121140736

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:23:50 2016 Page: 1

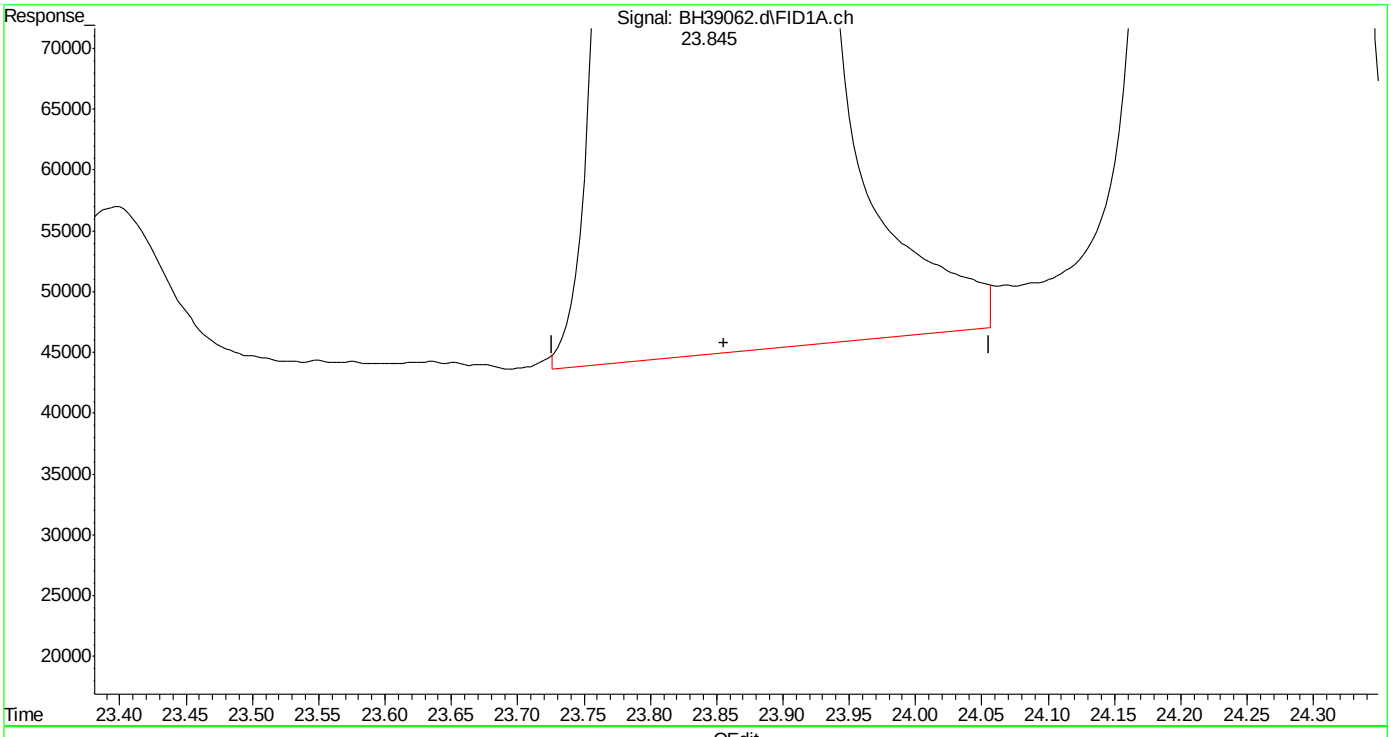
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 85.815 ppb
response 104920419

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:23:55 2016

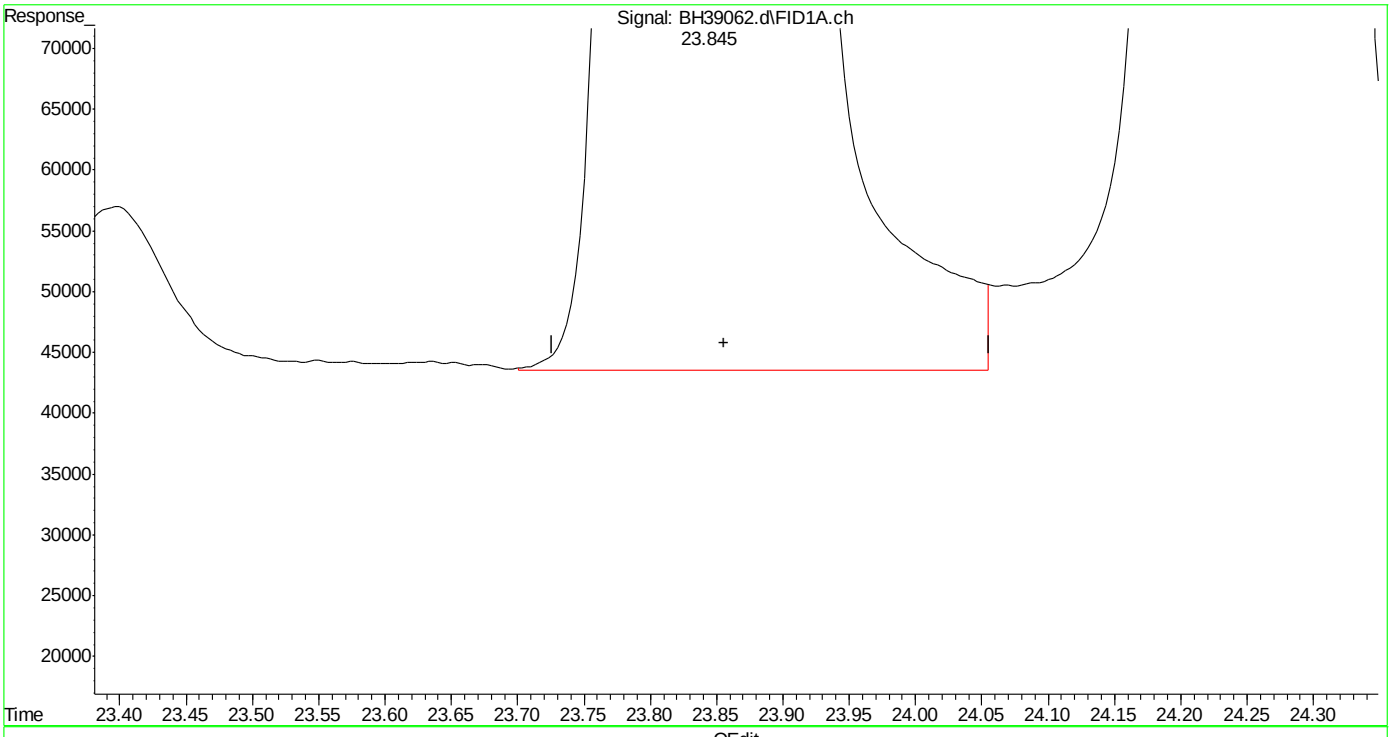
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 86.111 ppb m
response 105281419

(+) = Expected Retention Time

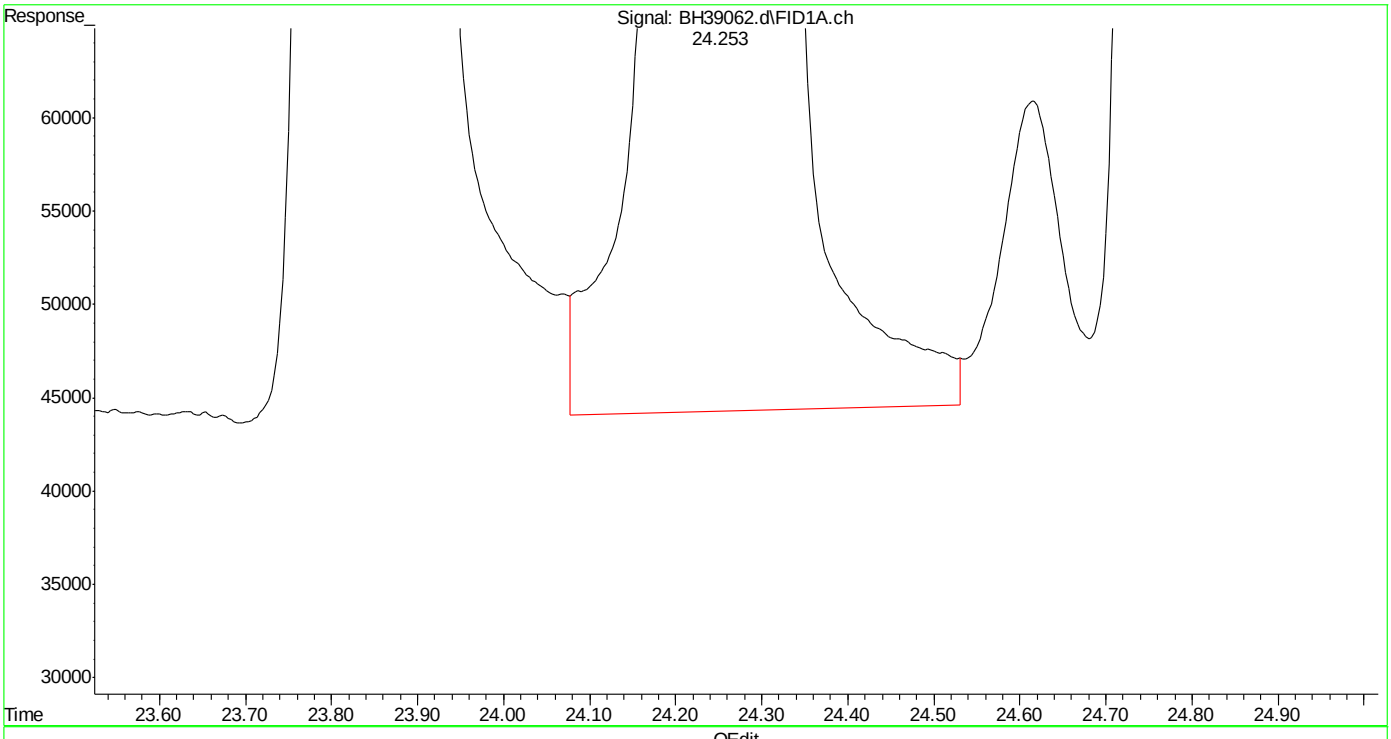
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 91.512 ppb
response 126913802

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:08 2016

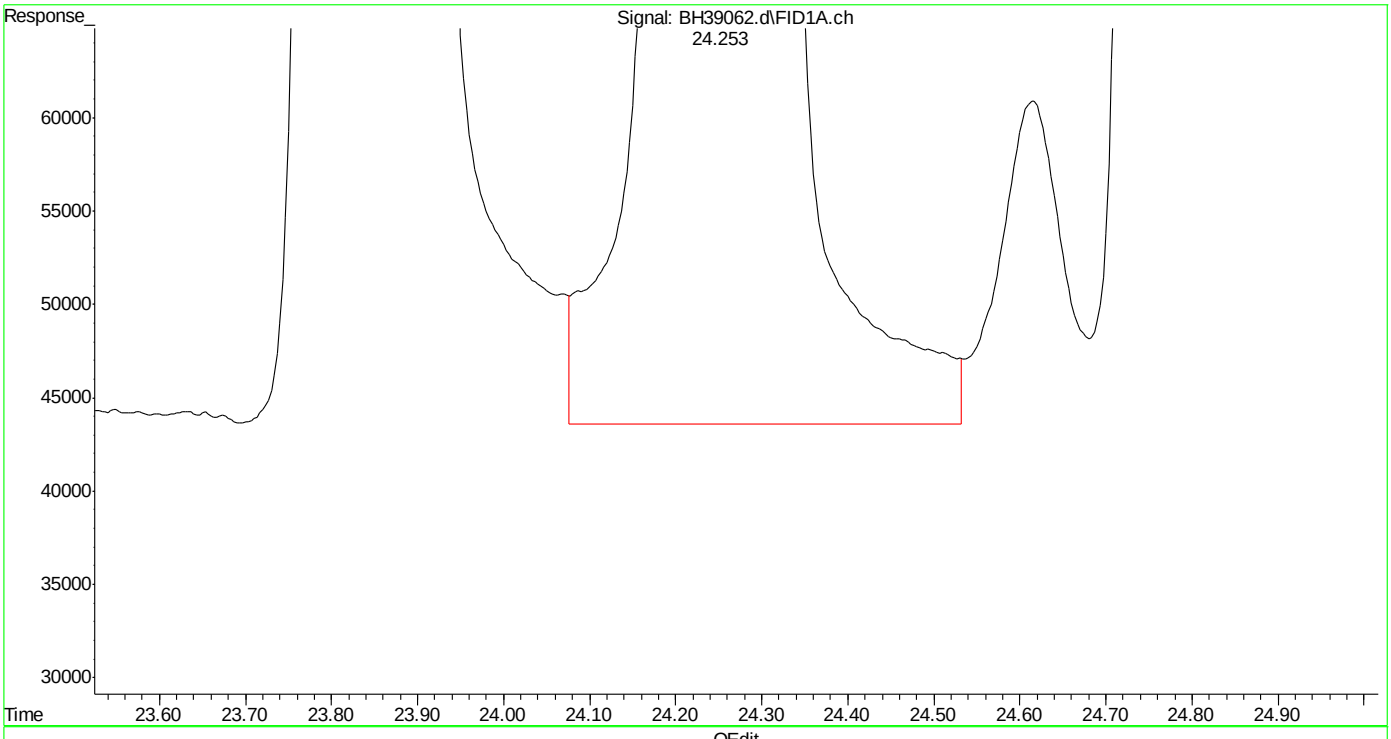
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.253min 91.670 ppb m
response 127133133

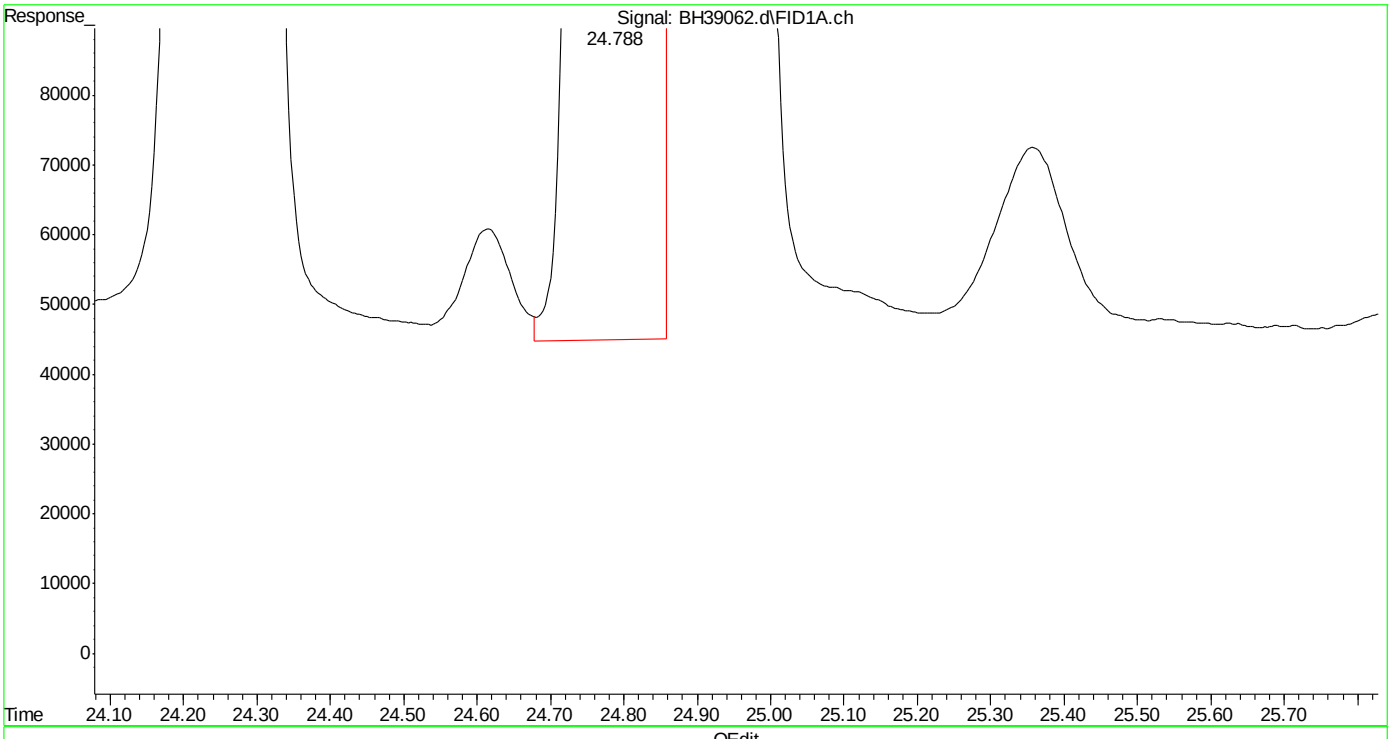
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:15 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.790min 88.432 ppb
response 125687956

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:19 2016 Page: 1

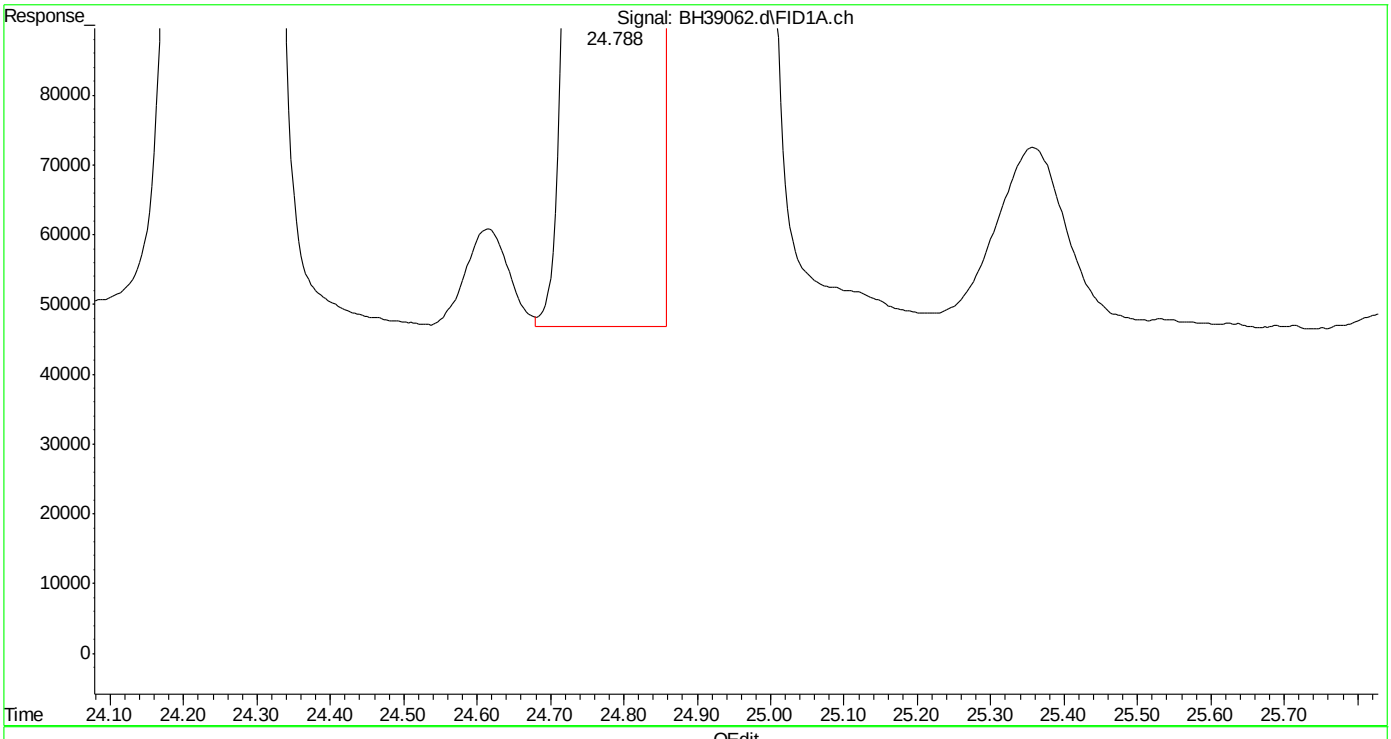
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 88.478 ppb m
response 125753099

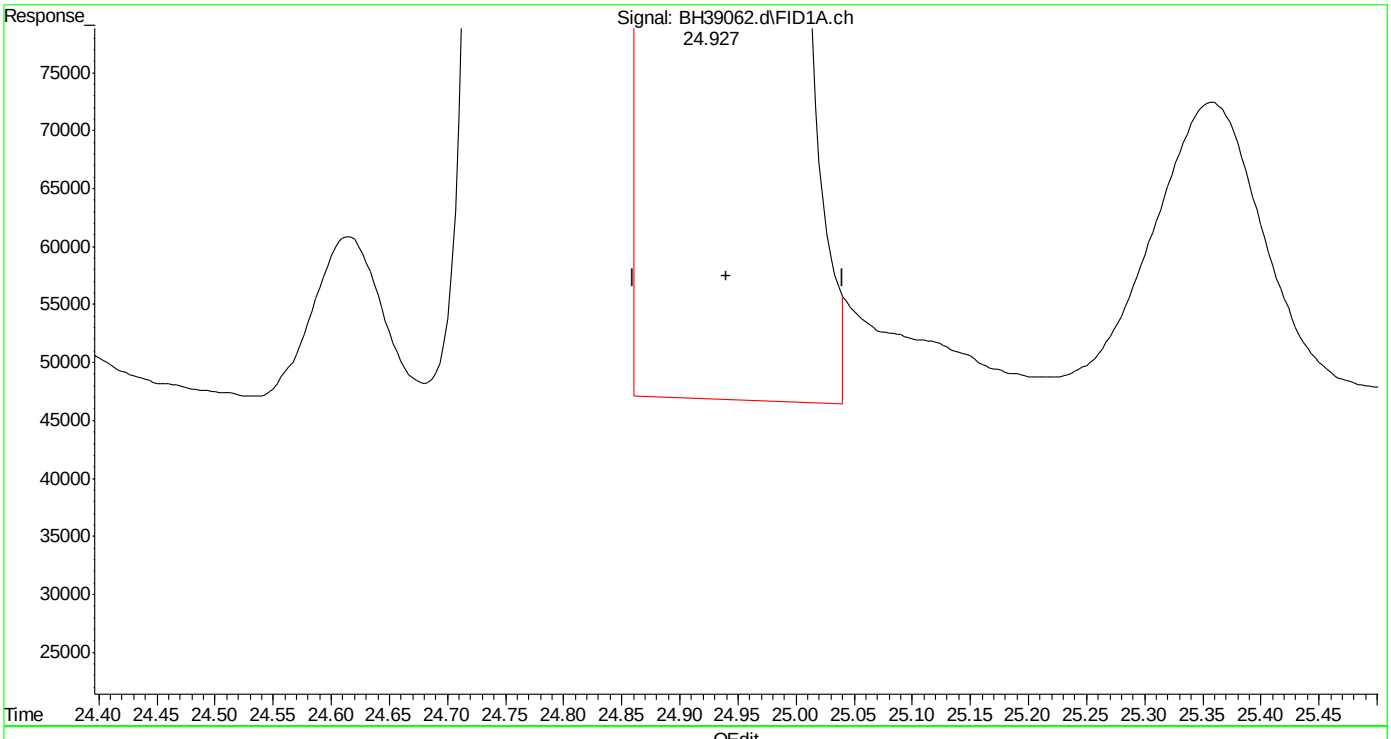
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:24 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 88.278 ppb
response 115769258

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:29 2016 Page: 1

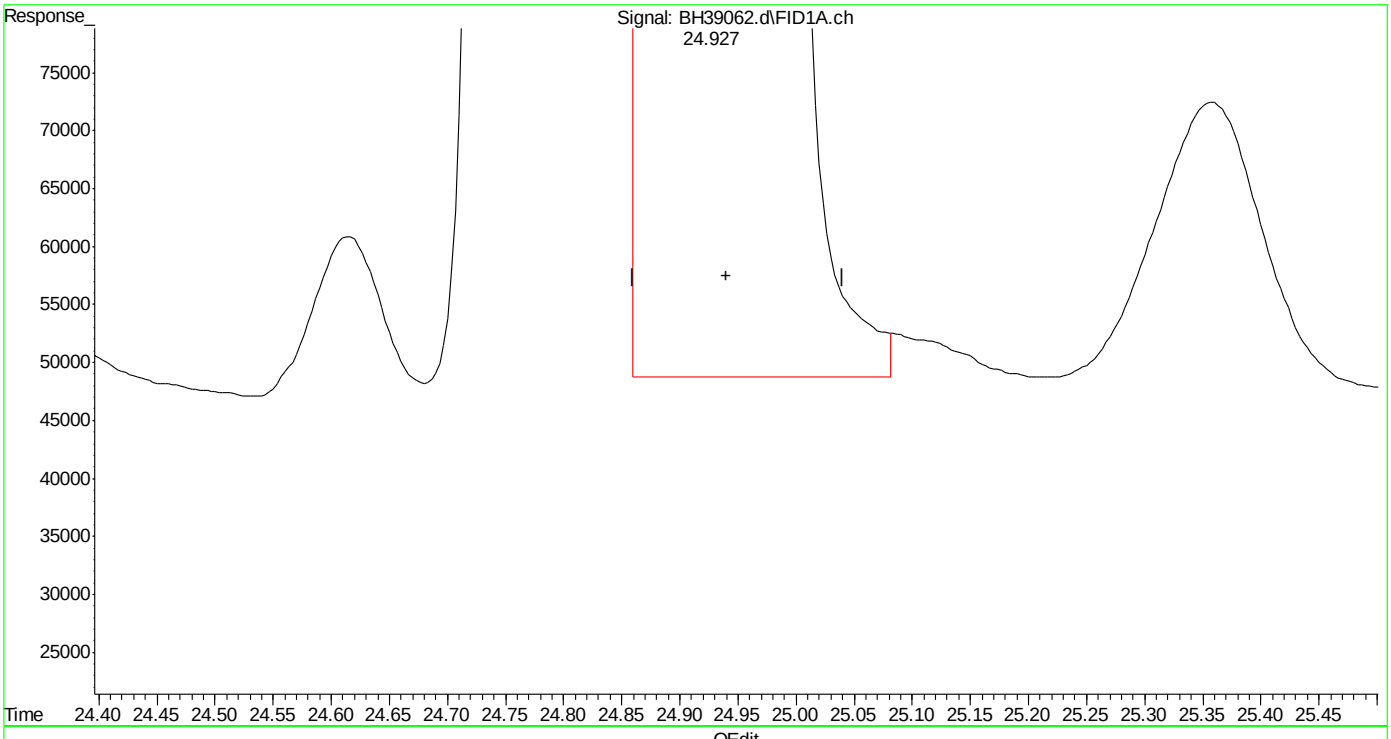
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 88.710 ppb m
response 116336140

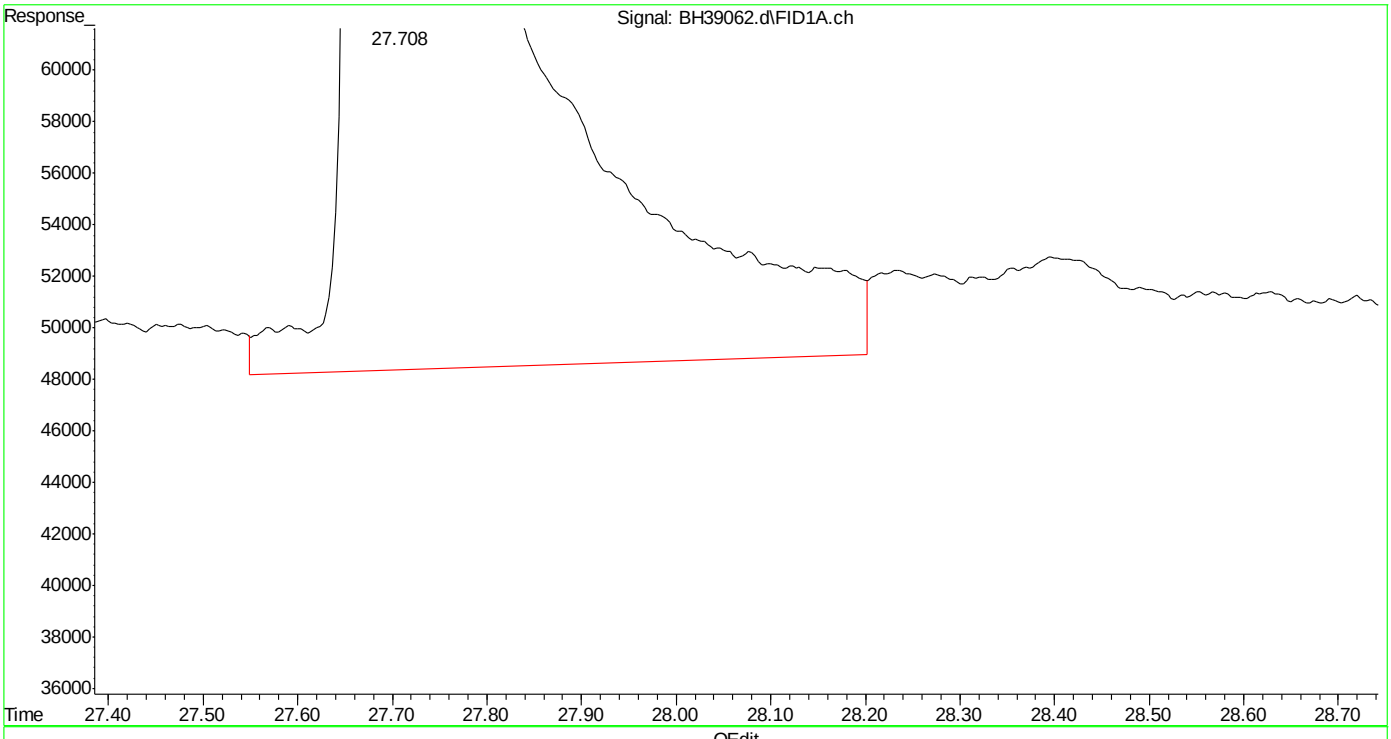
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:38 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.710min 92.708 ppb
response 81162300

(+) = Expected Retention Time

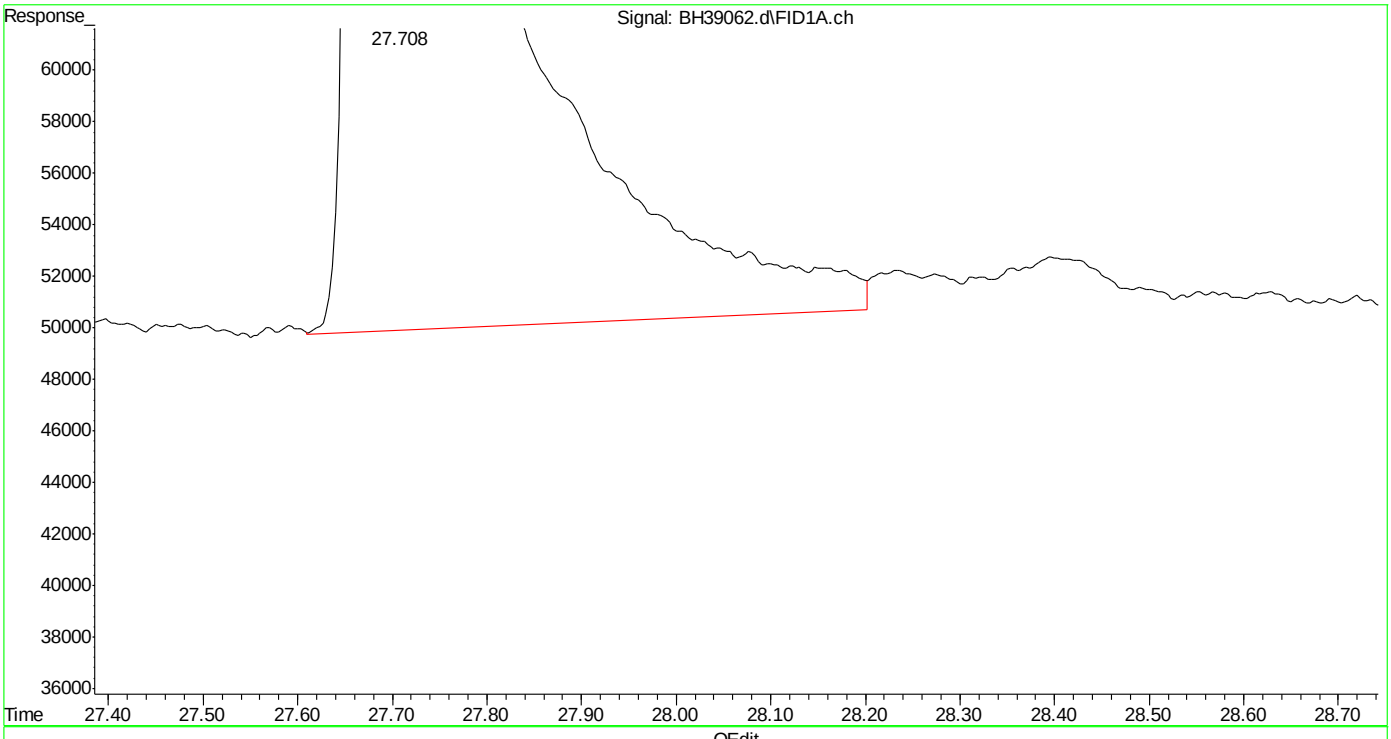
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.708min 91.988 ppb m
response 80532183

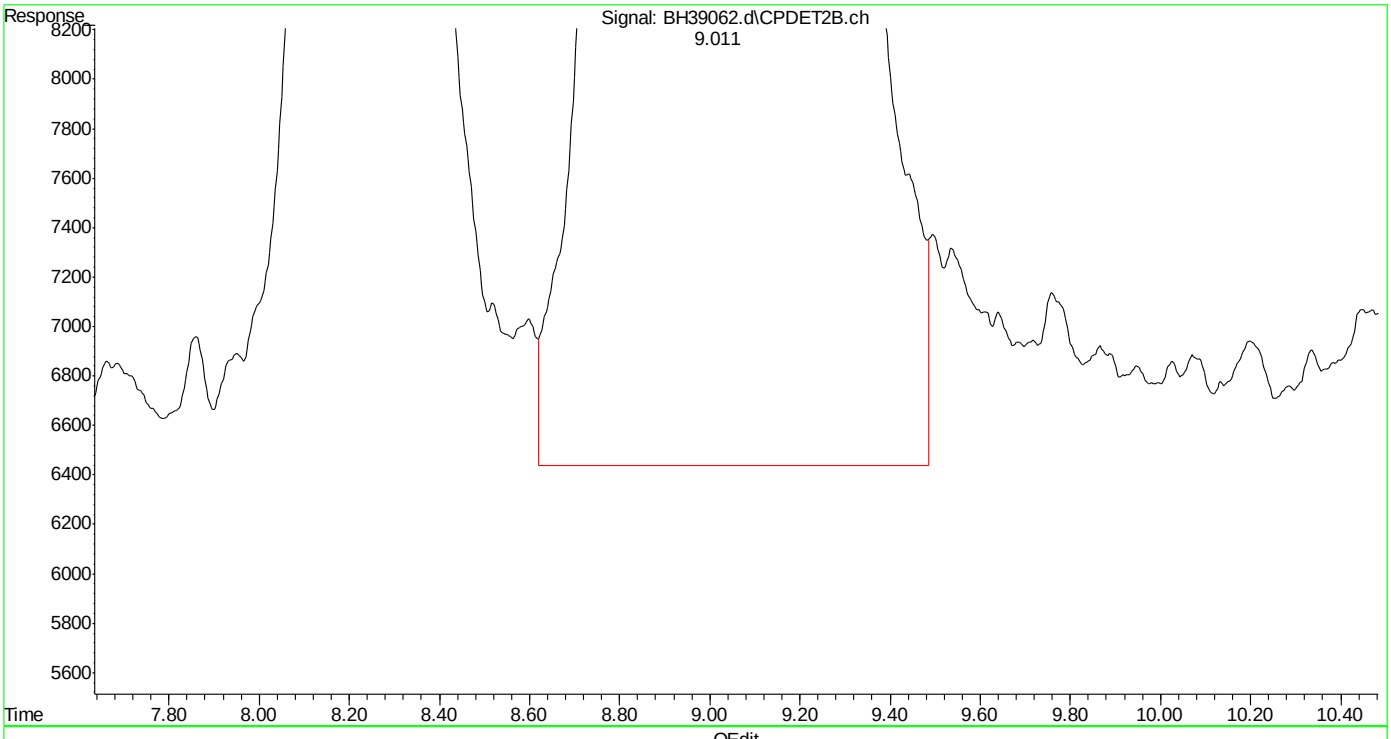
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.014min 100.132 ppb
response 28756903

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:58 2016

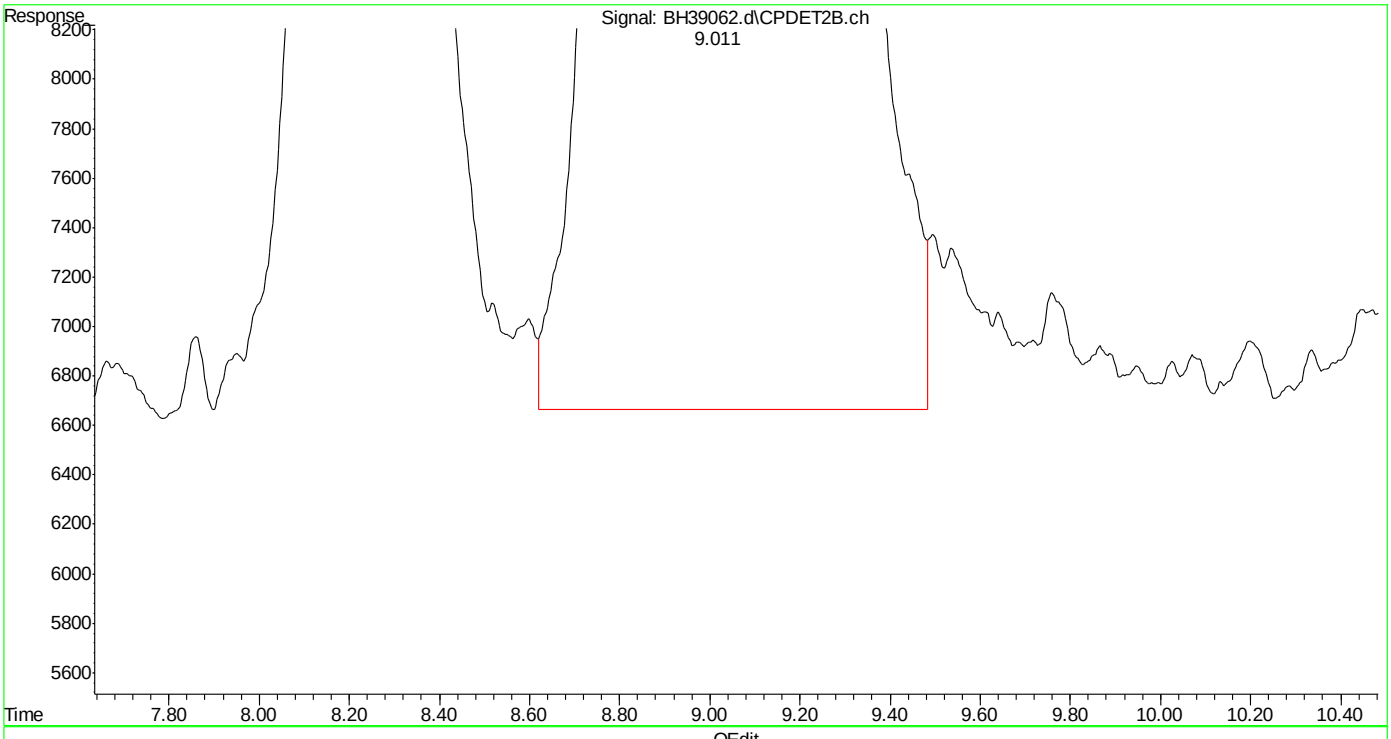
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.011min 99.729 ppb m
response 28641380

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:25:09 2016

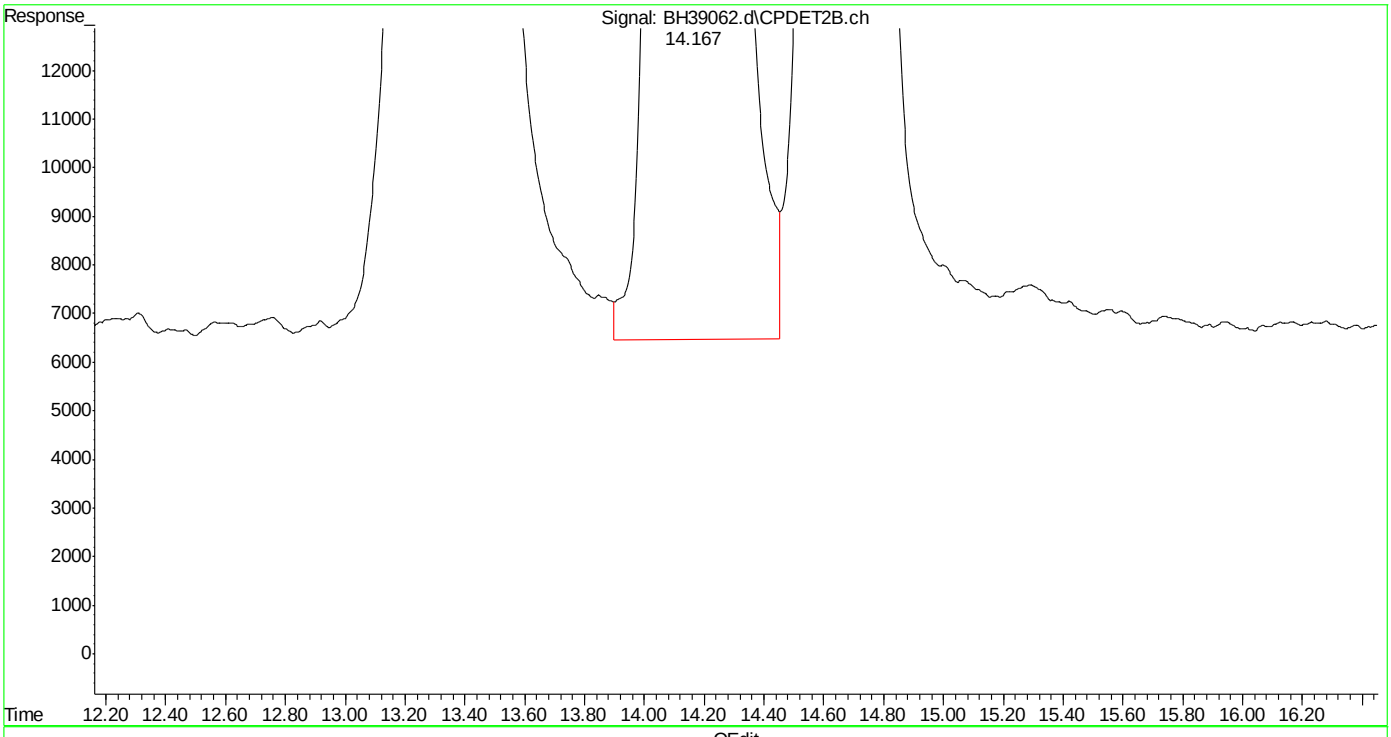
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 93.975 ppb
response 63751455

(+) = Expected Retention Time

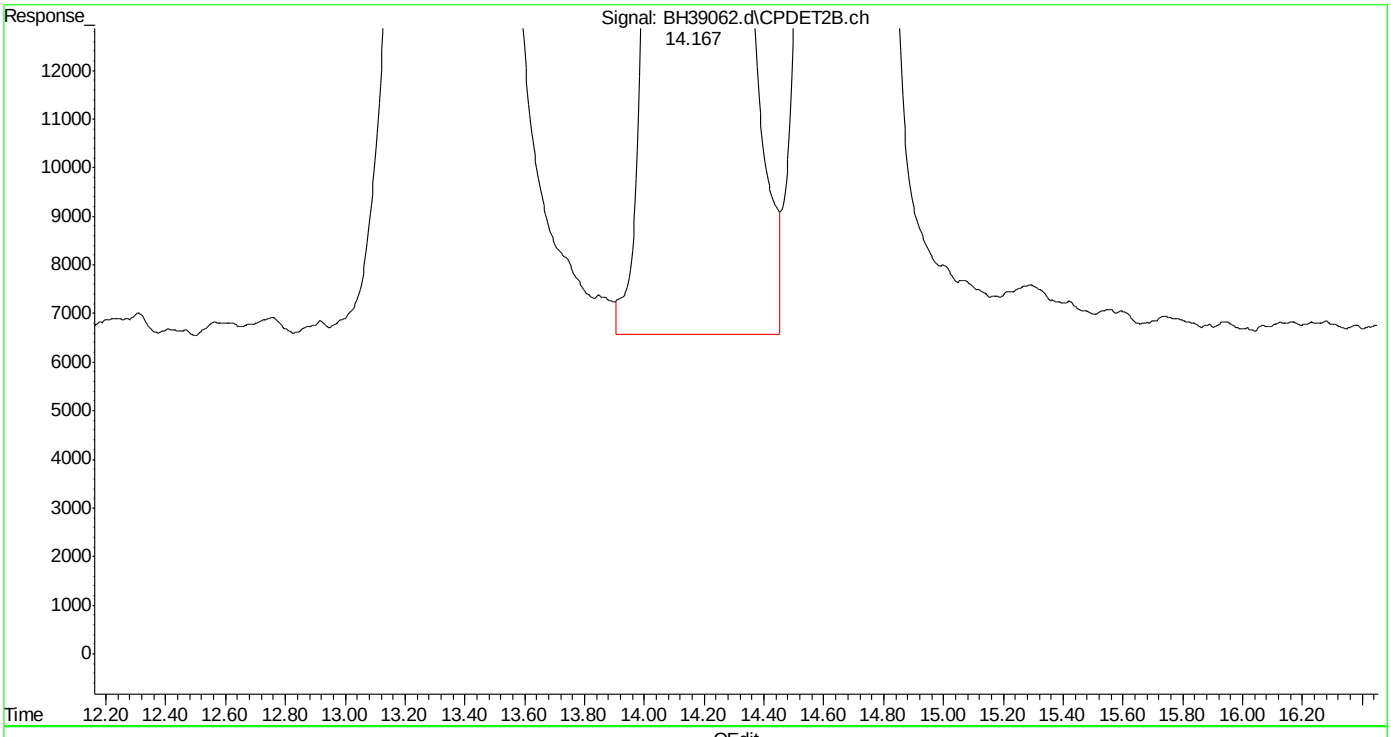
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.167min 93.925 ppb m
response 63717445

(+) = Expected Retention Time

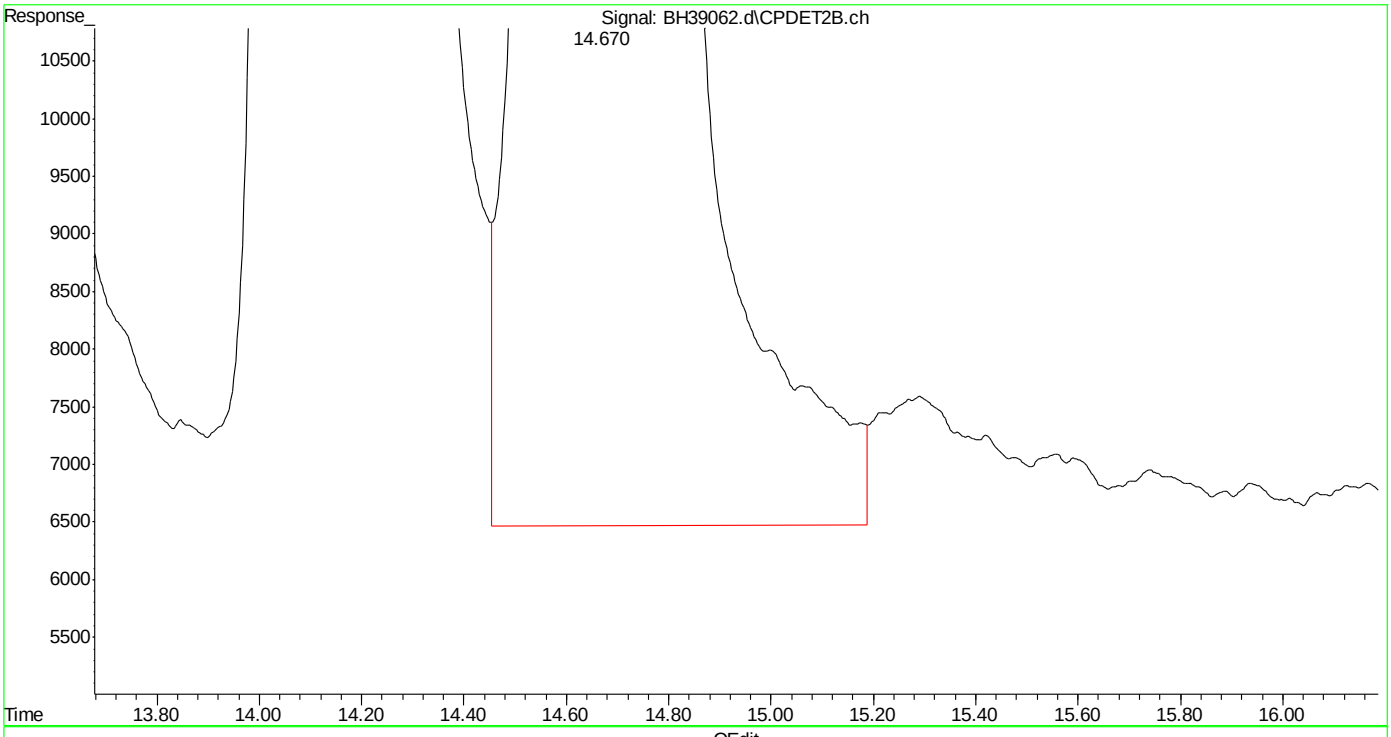
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.671min 97.680 ppb
response 40264168

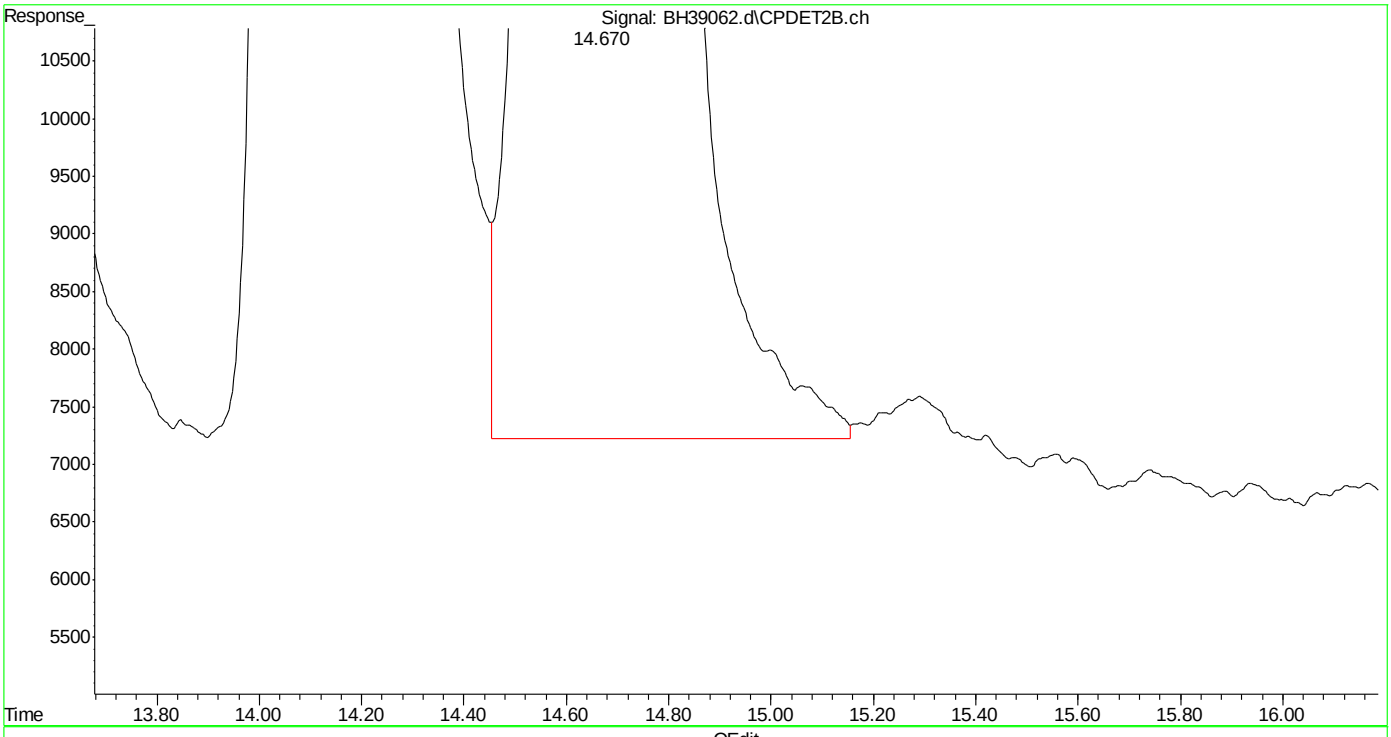
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 96.875 ppb m
response 39932324

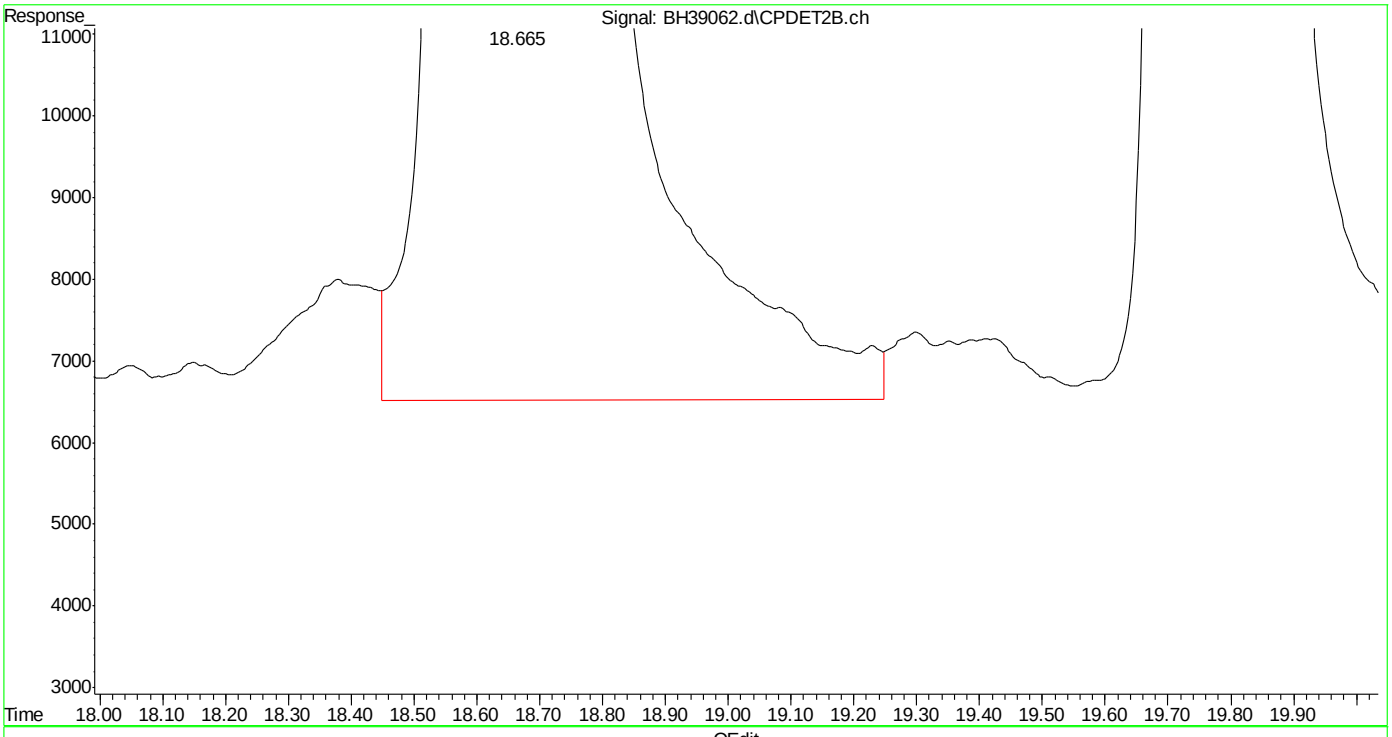
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:25:35 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 94.752 ppb
response 59798915

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:25:52 2016

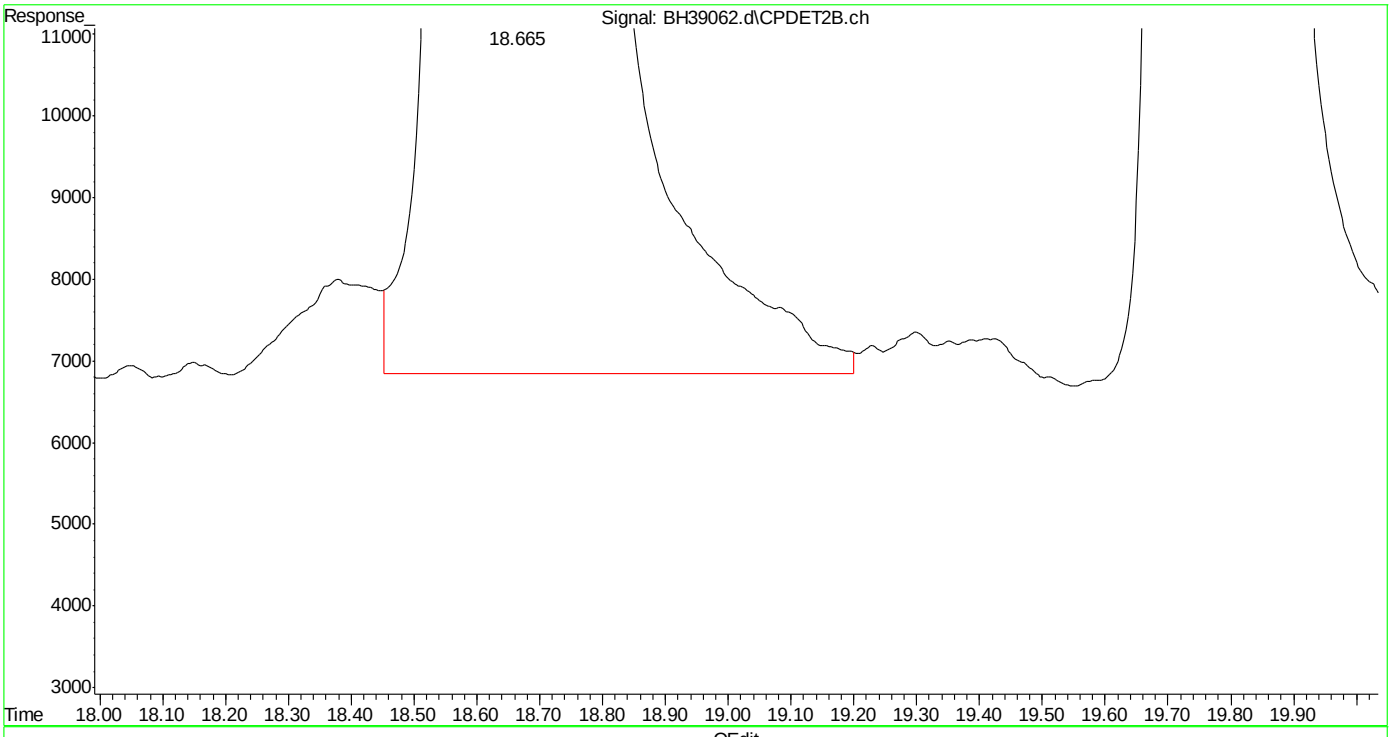
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.665min 94.492 ppb m
response 59634760

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:02 2016

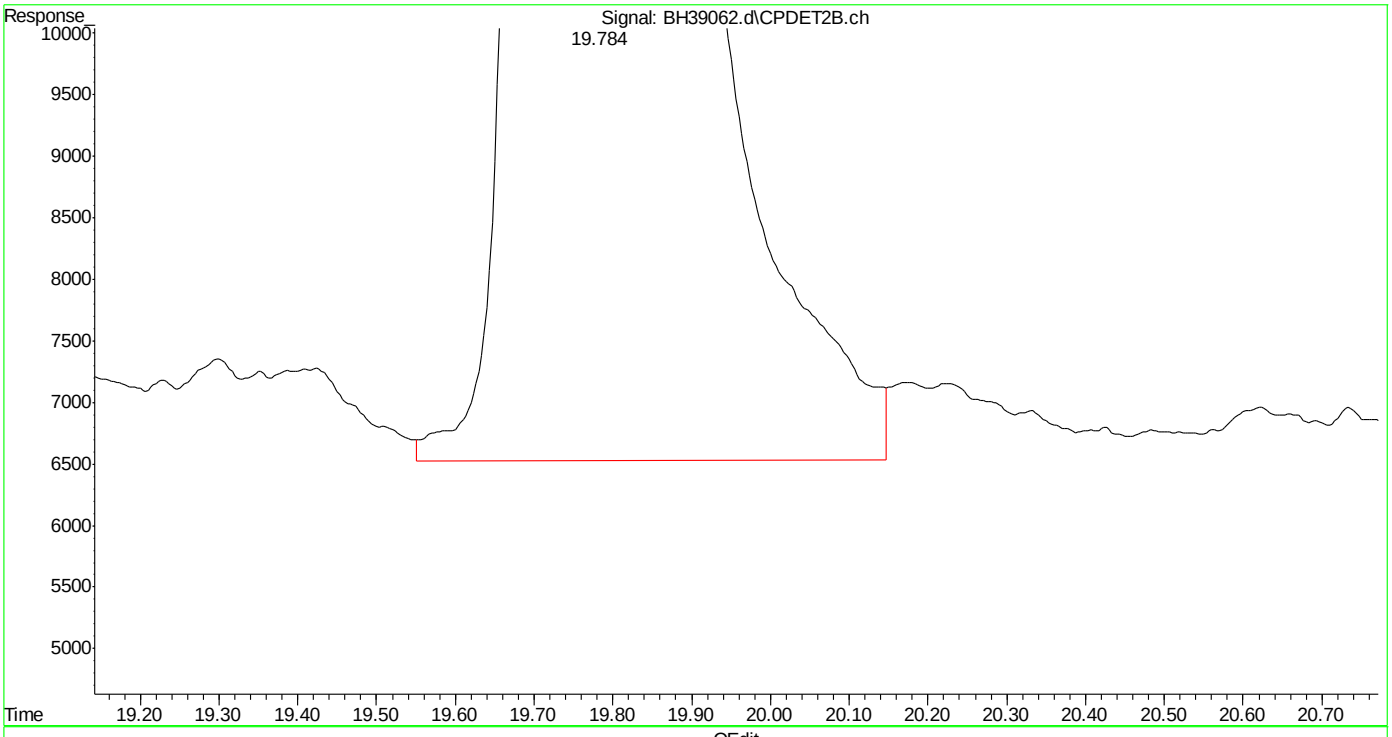
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.785min 92.476 ppb
response 24140322

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:07 2016

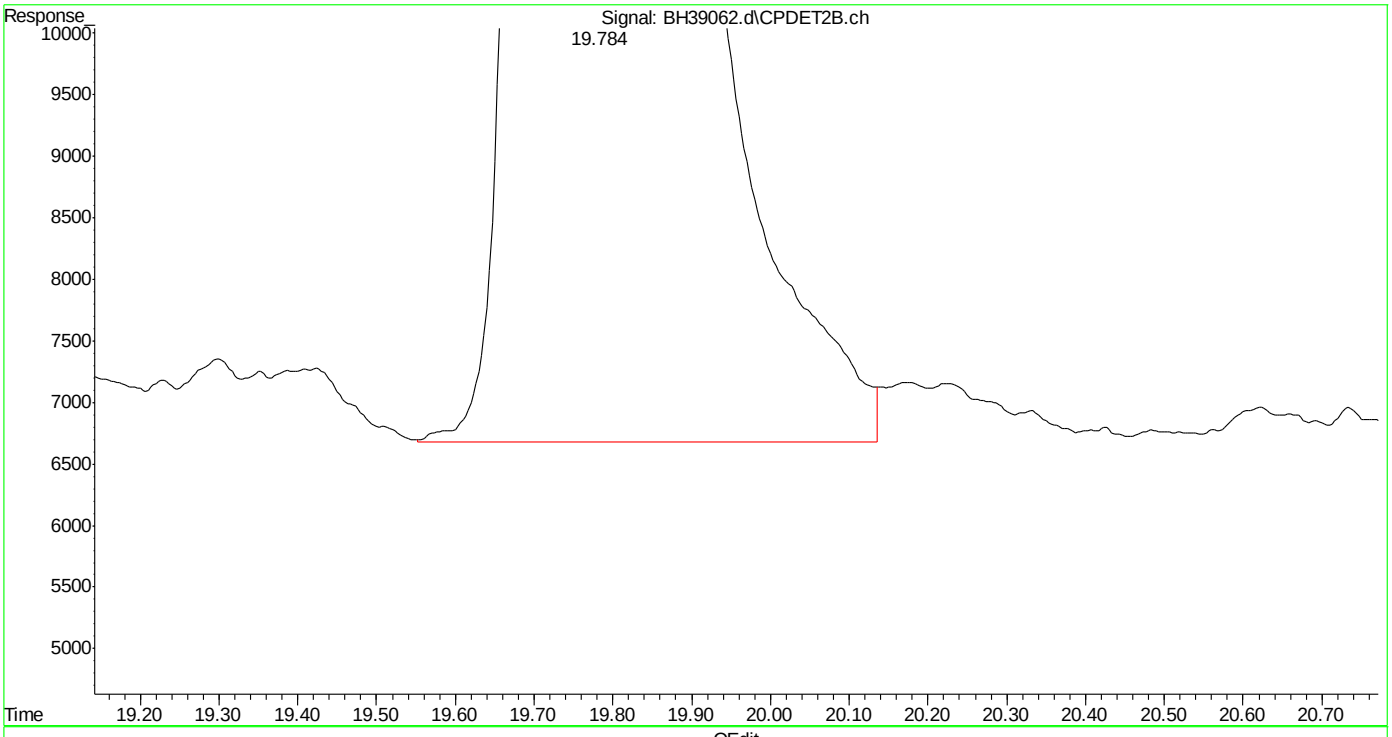
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 92.259 ppb m
response 24083903

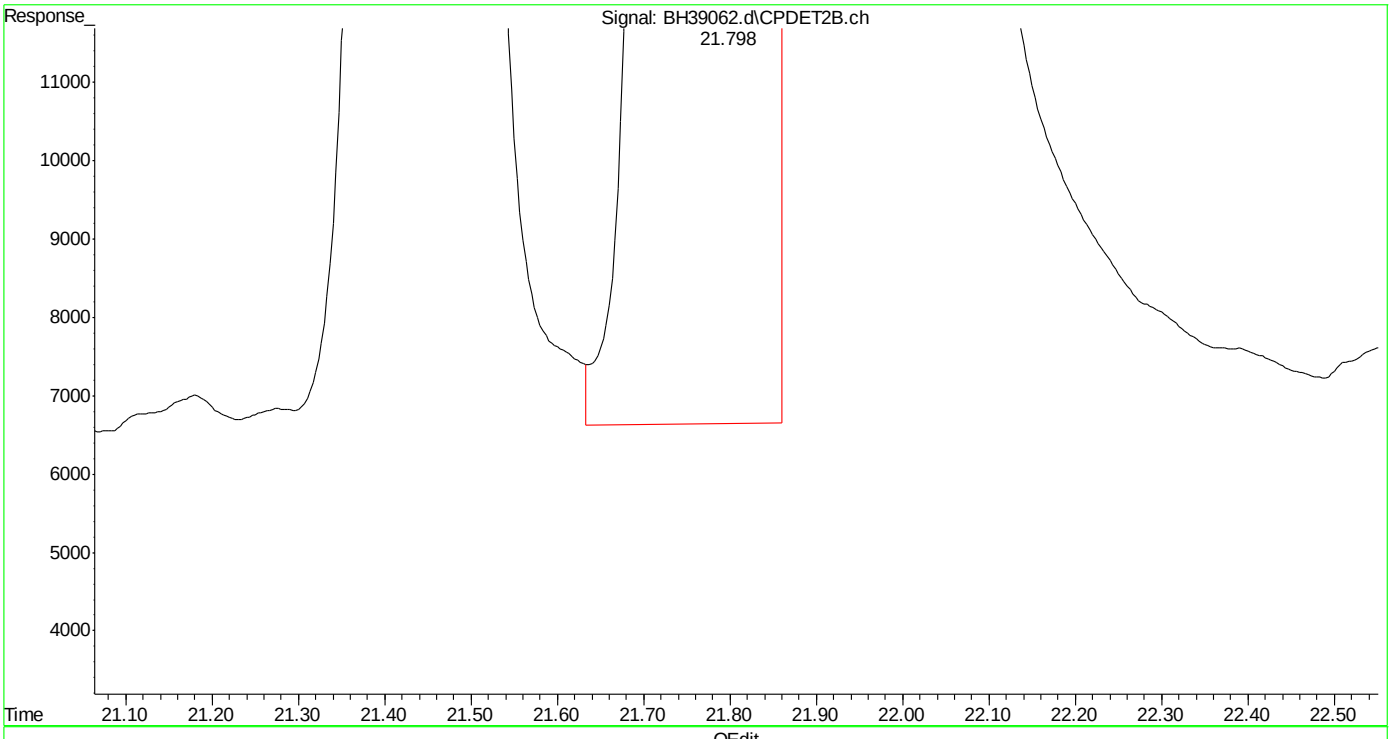
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:12 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.800min 96.602 ppb
response 53191998

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:17 2016

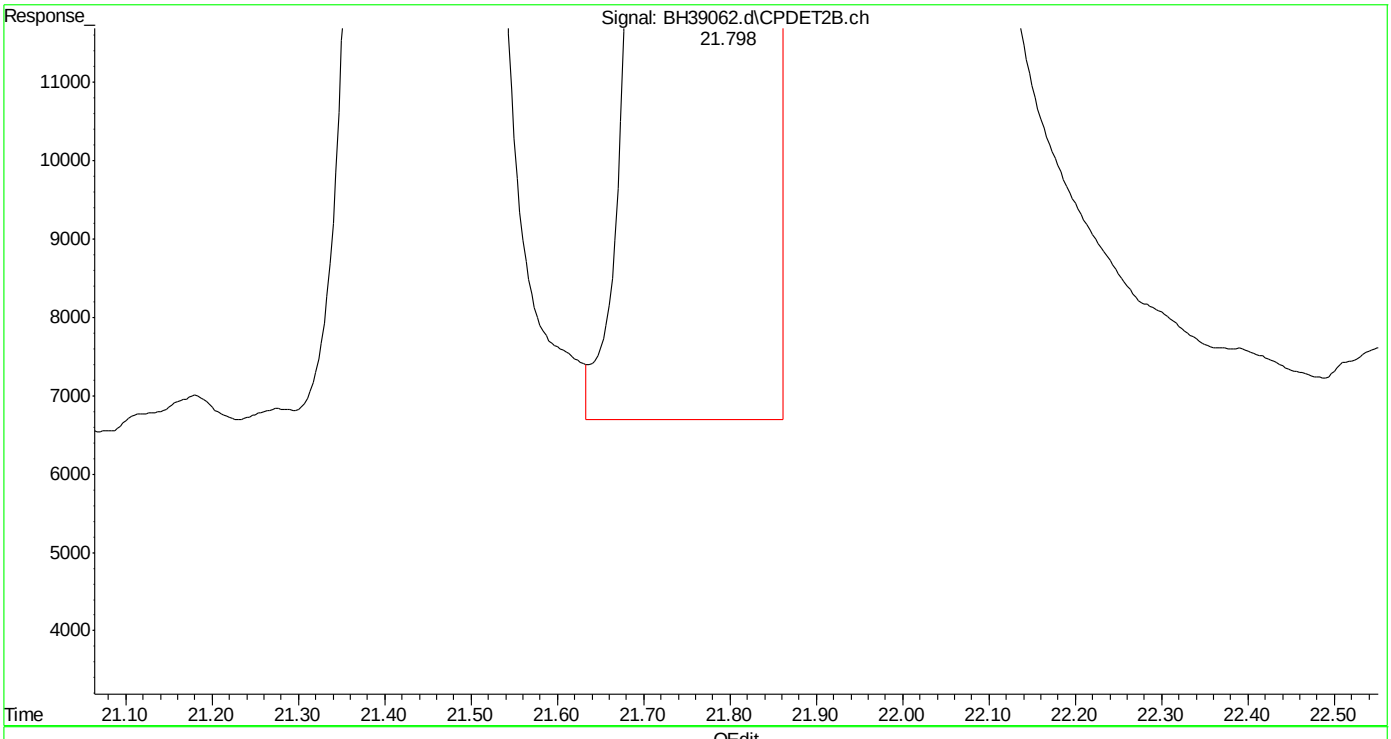
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.798min 97.772 ppb m
response 53836458

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:26 2016

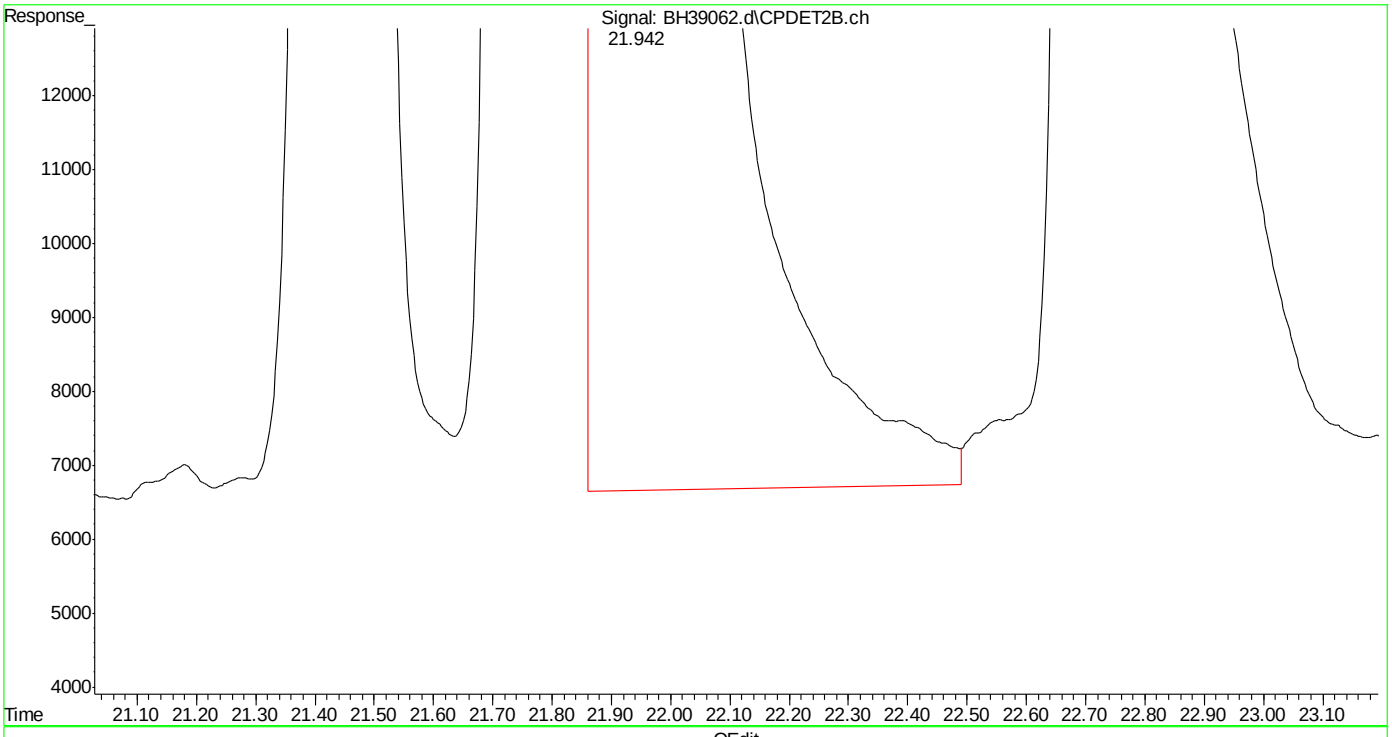
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 190.538 ppb
response 130112525

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:30 2016

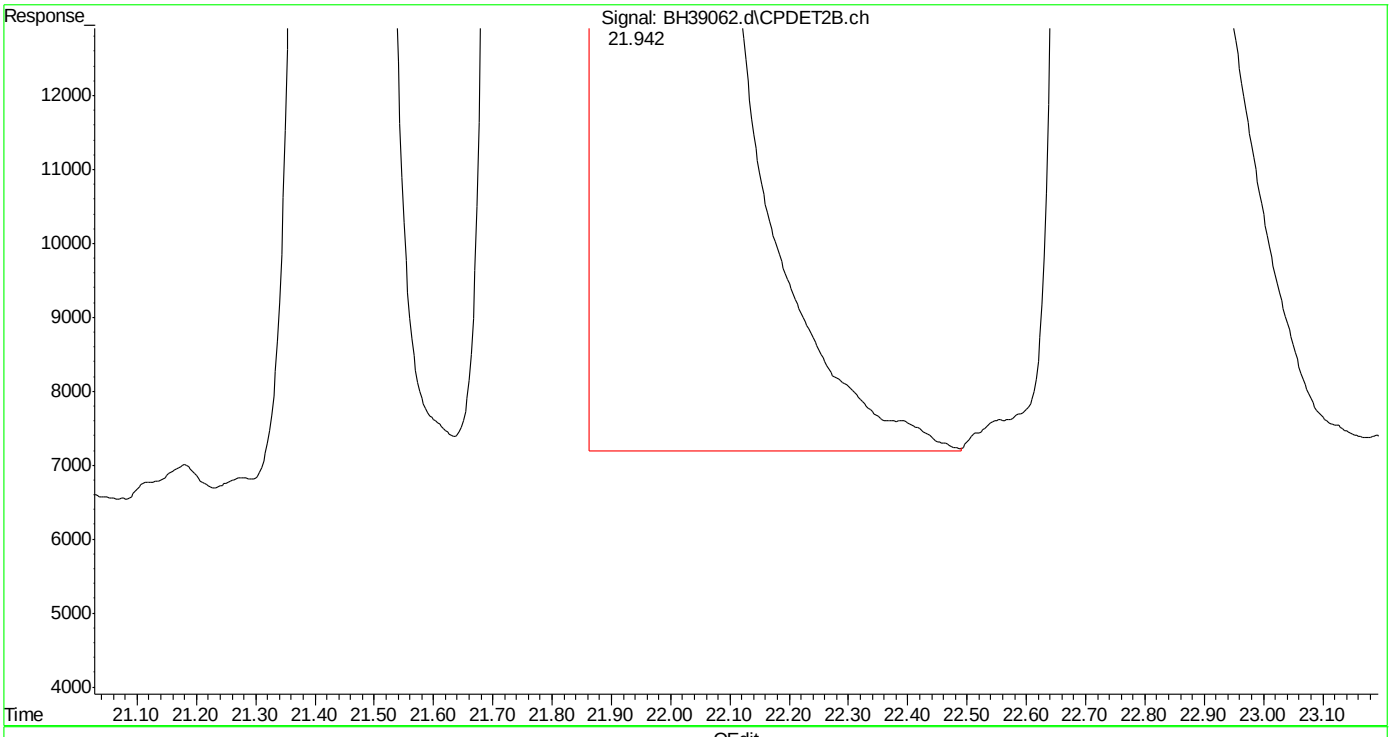
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.942min 189.226 ppb m
response 129216067

(+) = Expected Retention Time

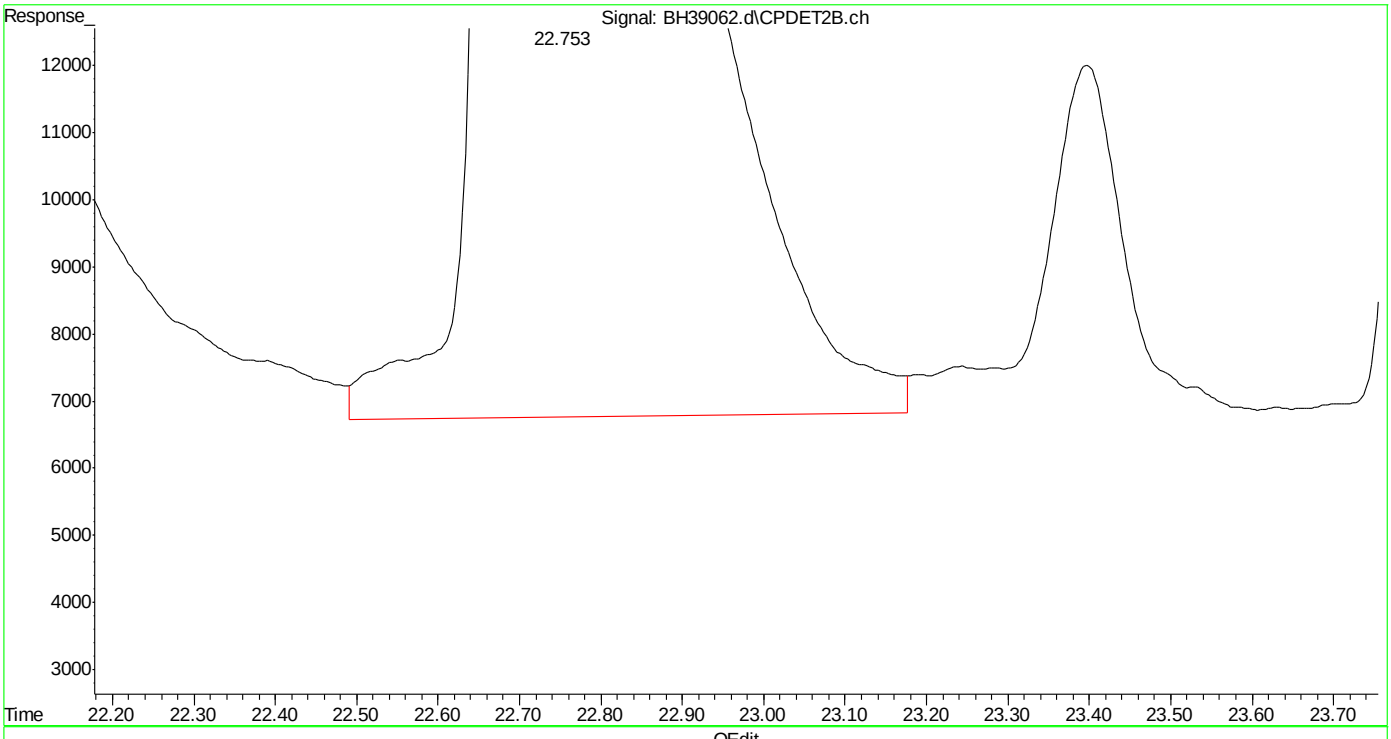
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 93.867 ppb
response 55938913

(+) = Expected Retention Time

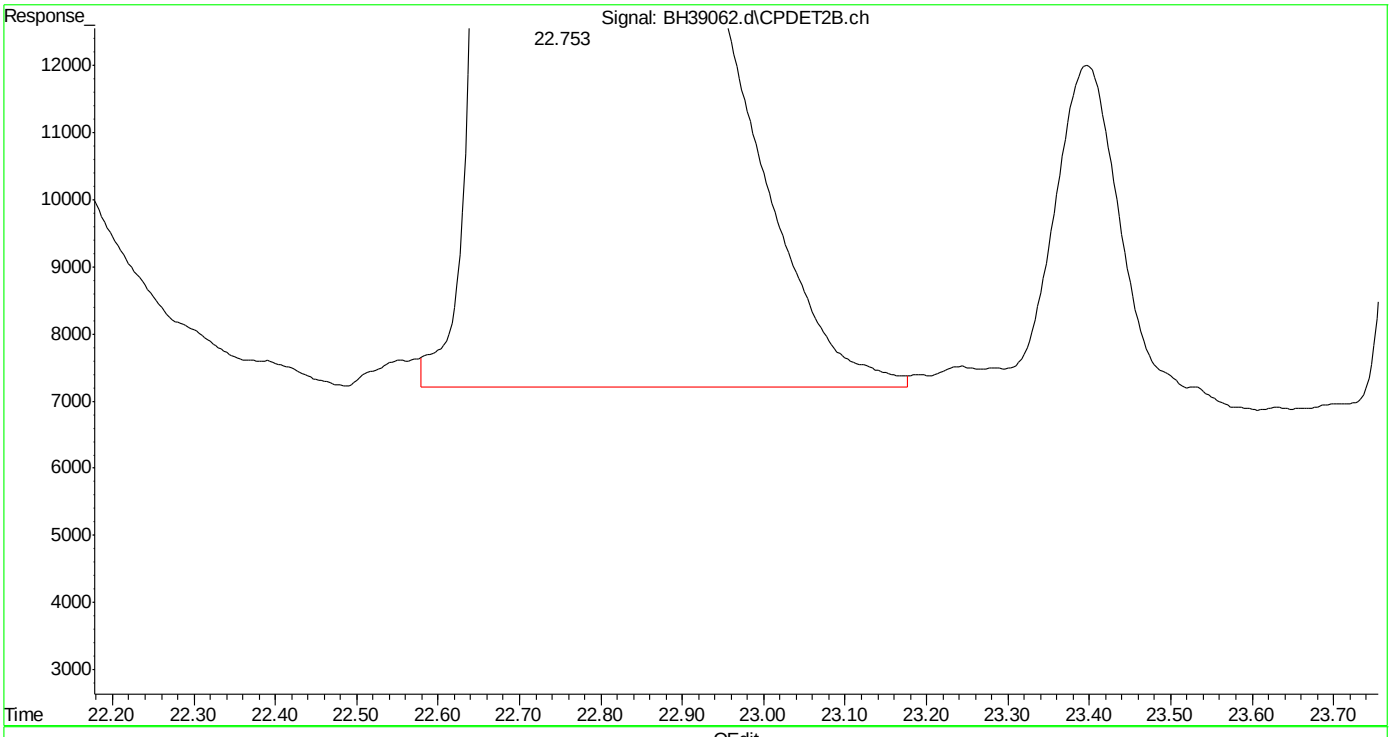
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 93.545 ppb m
response 55746821

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:45 2016 Page: 1

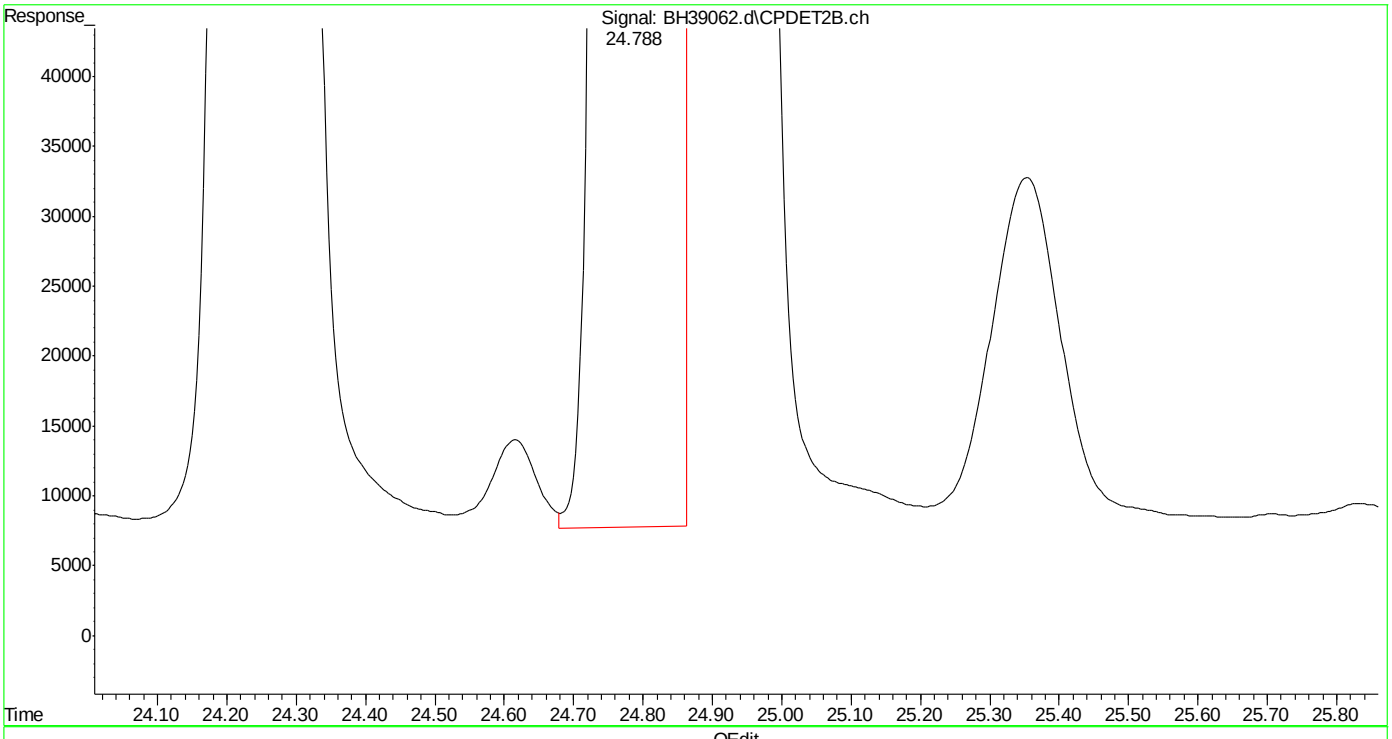
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 91.102 ppb
response 61390421

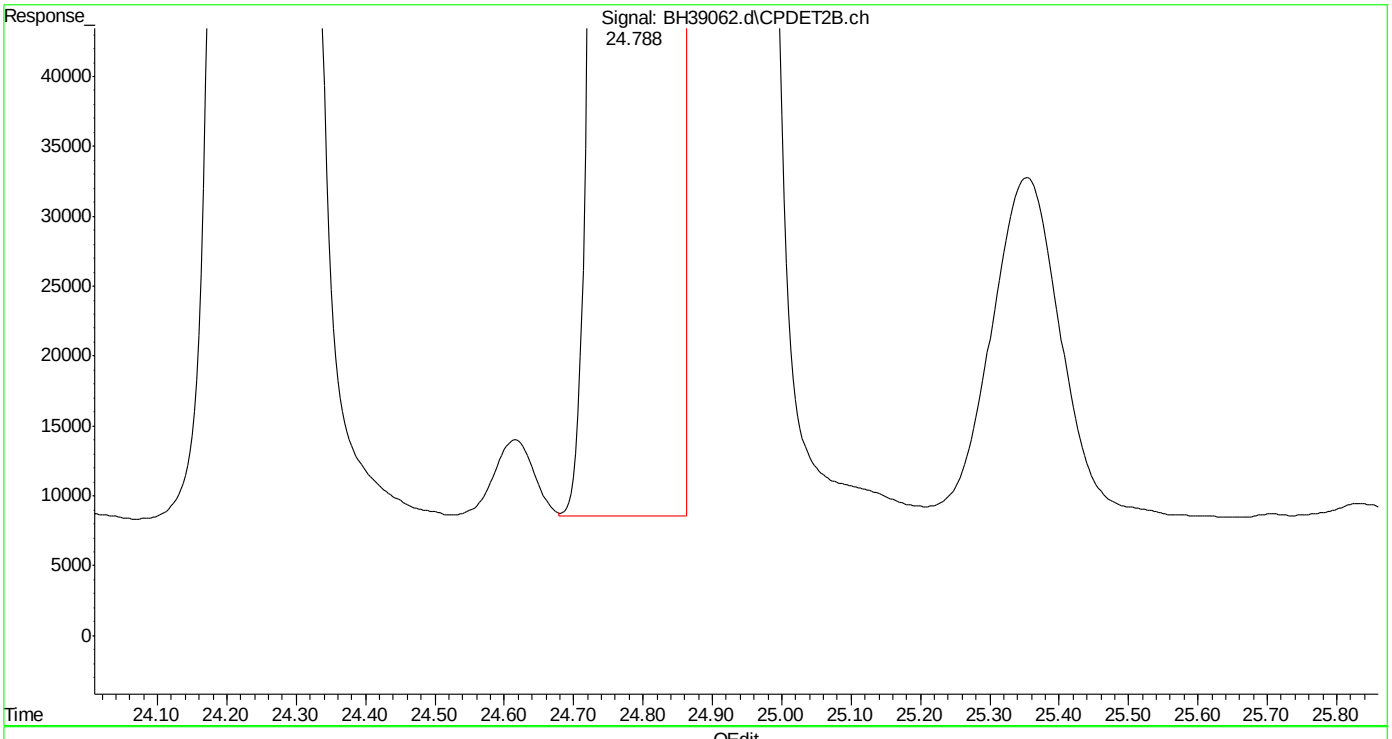
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:27:00 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 90.987 ppb m
response 61313205

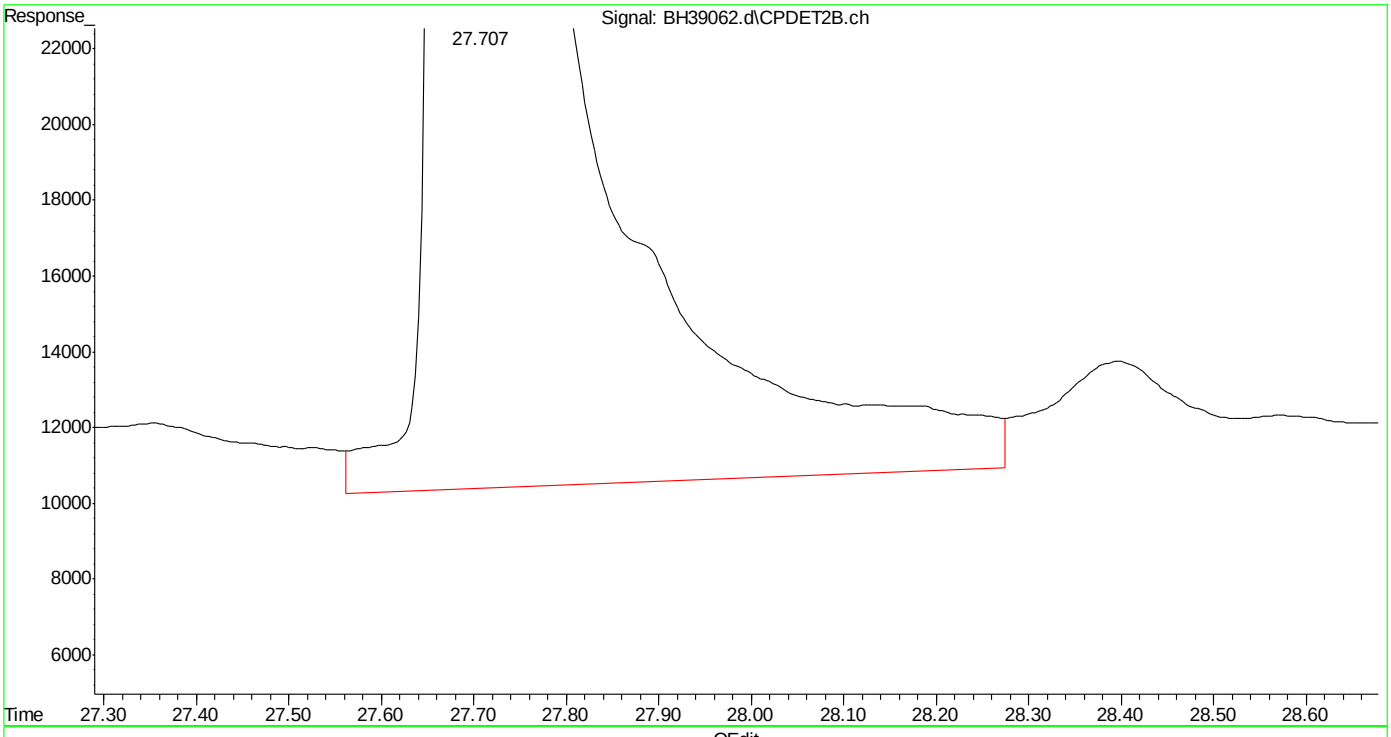
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:27:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.709min 92.062 ppb
response 54694492

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:27:11 2016

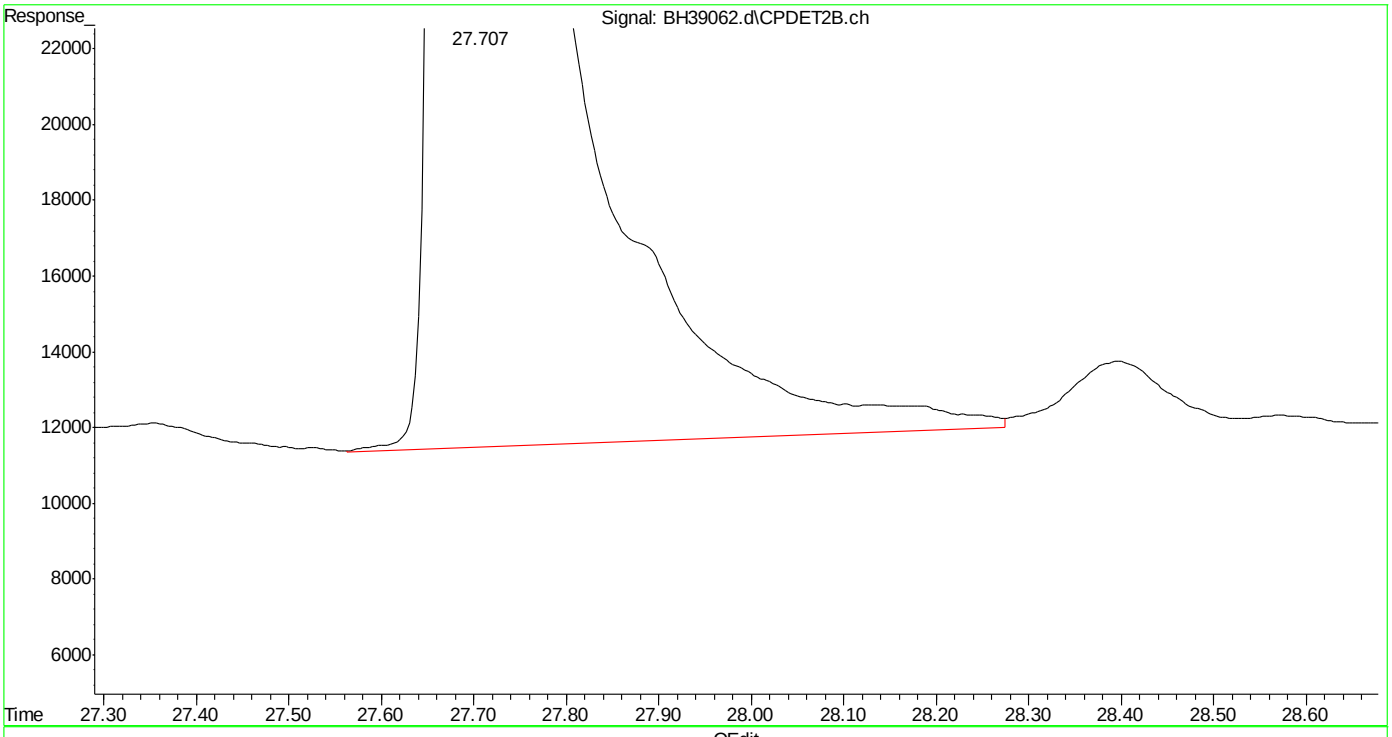
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 91.294 ppb m
response 54237843

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:27:23 2016

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:25:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
6) s fluorobenzene	14.669	44655889	49.998 ppb	m
Spiked Amount 50.000		Recovery	= 100.00%	
9) s 2,3,4-trifluorotoluene	19.784	36965520	49.996 ppb	m
Spiked Amount 50.000		Recovery	= 99.99%	
25) s fluorobenzene #2	14.668	19580490	50.005 ppb	m
Spiked Amount 50.000		Recovery	= 100.01%	
27) s 2,3,4-trifluorotoluen...	19.784	11722343	50.002 ppb	m
Spiked Amount 50.000		Recovery	= 100.00%	
Target Compounds				
1) h rt5.5-7	5.980	42374495	49.998 ppb	m
2) h rt7/10	8.250	47230822	49.997 ppb	m
3) t mtbe	9.013	29827413	50.002 ppb	m
4) h rt10/13	13.360	55161261	50.132 ppb	m
5) t benzene	14.166	56604825	49.998 ppb	m
8) t toluene	18.664	56594972	50.008 ppb	m
11) h rt20/25	21.460	49650458	49.997 ppb	m
13) t ethylbenzene	21.798	56104042	50.285 ppb	m
14) t m,p-xylene	21.942	117634266	99.718 ppb	m
15) t o-xylene	22.753	59242785	50.005 ppb	m
16) h decane	23.856	50197976	49.999 ppb	m
17) t 1,3,5-trimethylbenzene	24.252	62499529	50.004 ppb	m
18) t 1,2,4-trimethylbenzene	24.788	61935262	50.313 ppb	m
19) h butylcyclohexane	24.940	55557290	50.010 ppb	m
20) t naphthalene	27.707	39451306	50.000 ppb	m
23) t mtbe #2	9.013	13981996	50.011 ppb	m
24) t benzene #2	14.166	31119557	49.999 ppb	m
26) t toluene #2	18.664	29136833	50.010 ppb	m
28) t ethylbenzene #2	21.797	25834701	49.854 ppb	m
29) t m,p-xylene #2	21.941	63398610	99.388 ppb	m
30) t o-xylene #2	22.753	27195655	50.018 ppb	m
31) t 1,3,5-trimethylbenzen...	24.252	39805434	49.995 ppb	m
32) t 1,2,4-trimethylbenzen...	24.787	30104795	50.004 ppb	m
33) t naphthalene #2	27.706	26699144	49.999 ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	30253242	50.000 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

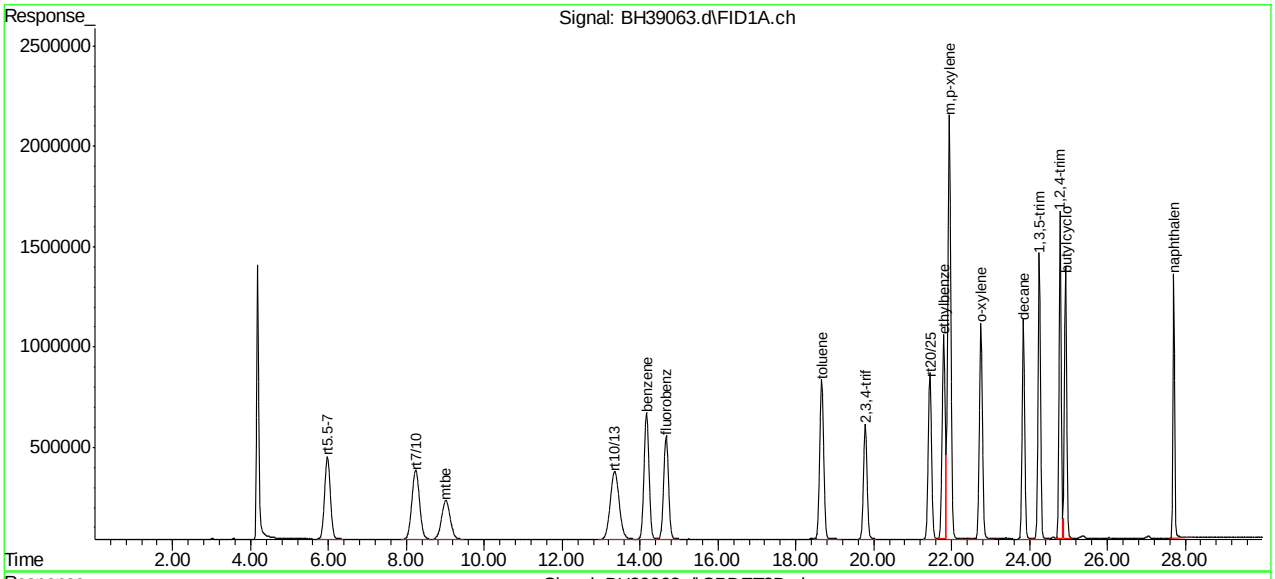
SGS ACCUTEST MC45754

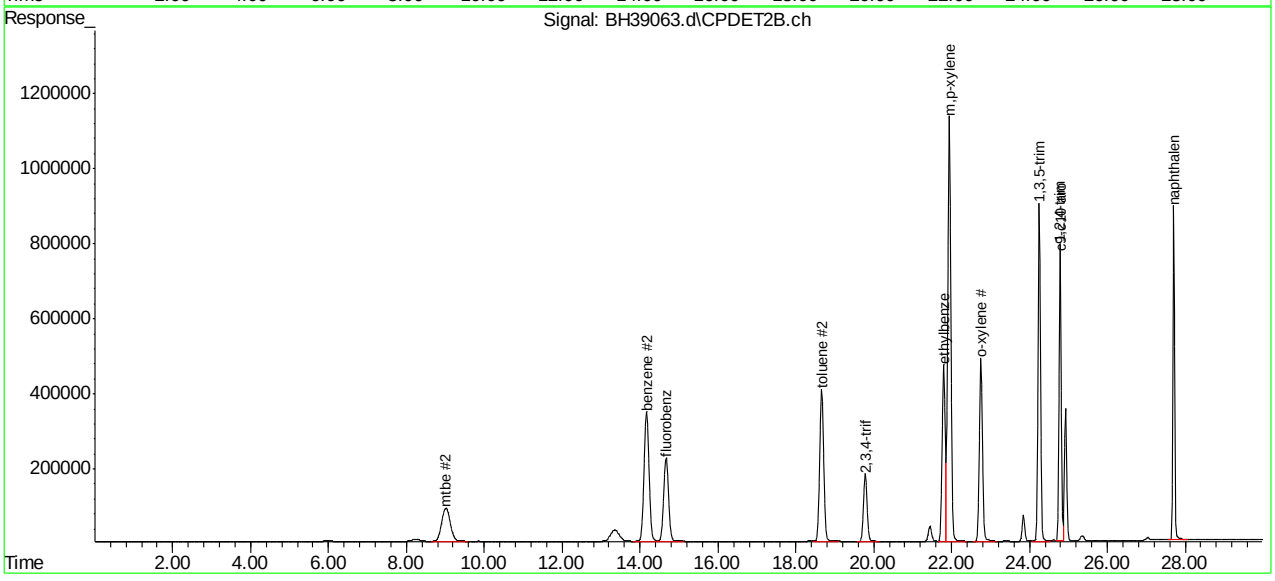
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

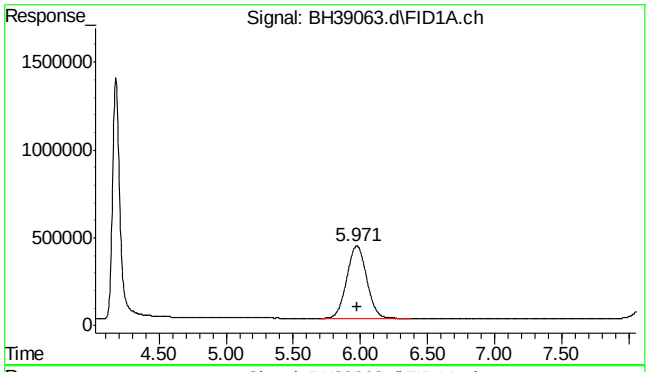
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:25:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



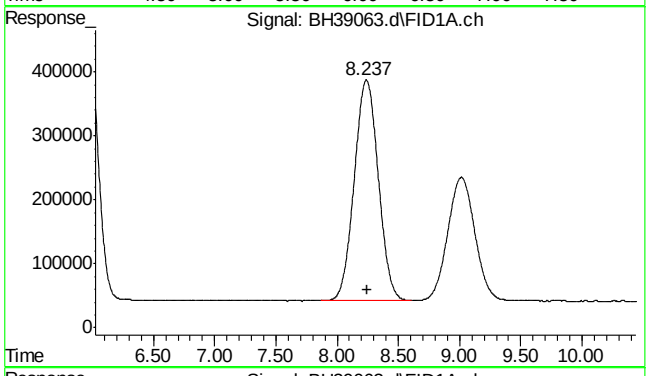


SGS ACCUTEST MC45754



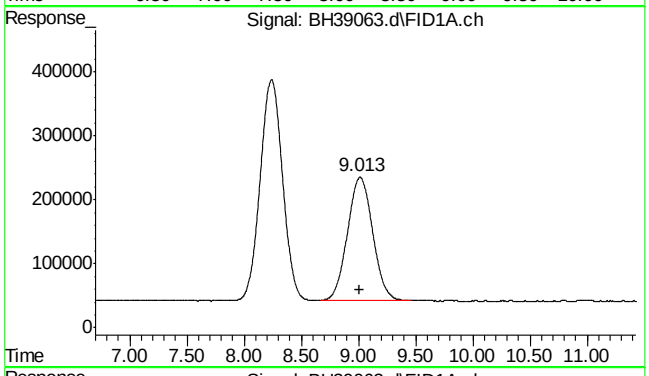
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 42374495
Conc: 50.00 ppb m



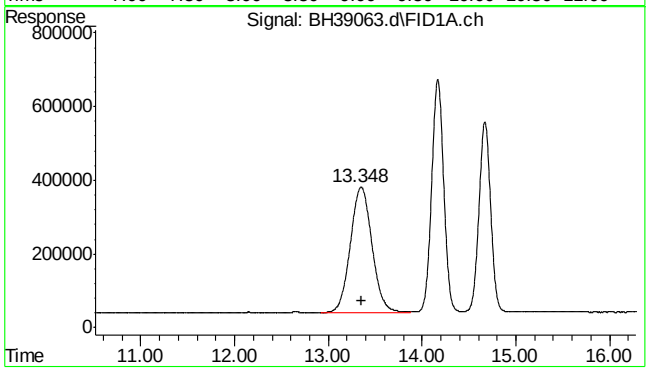
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 47230822
Conc: 50.00 ppb m



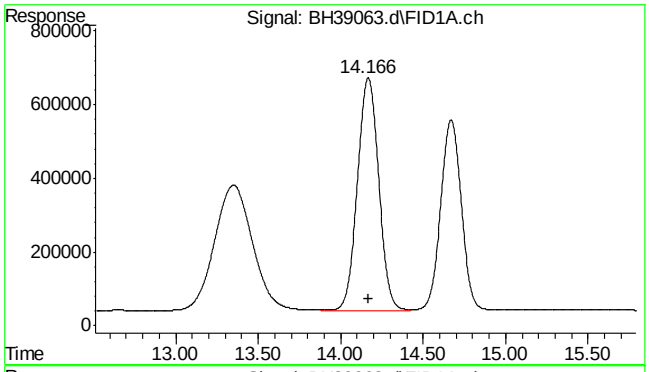
#3 mtbe

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 29827413
Conc: 50.00 ppb m



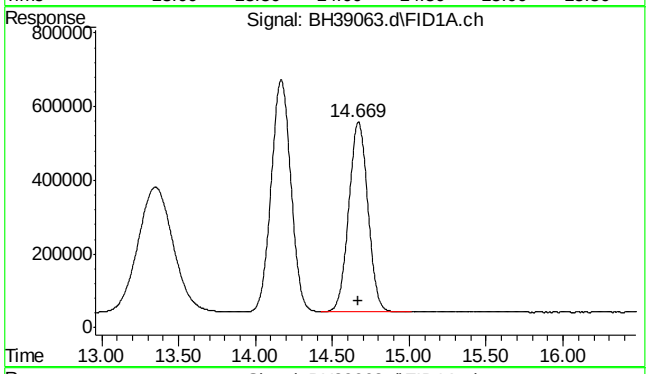
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 55161261
Conc: 50.13 ppb m



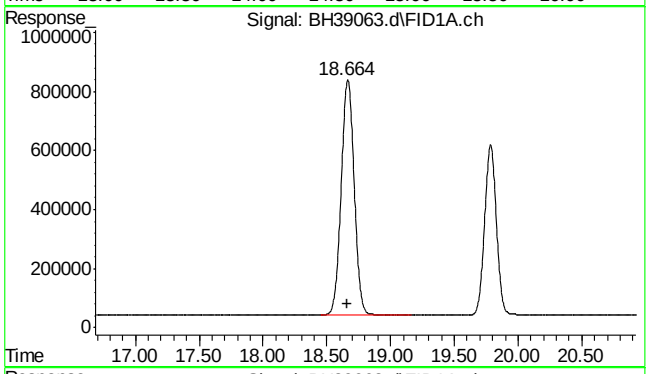
#5 benzene

R.T.: 14.166 min
Delta R.T.: 0.000 min
Response: 56604825
Conc: 50.00 ppb m



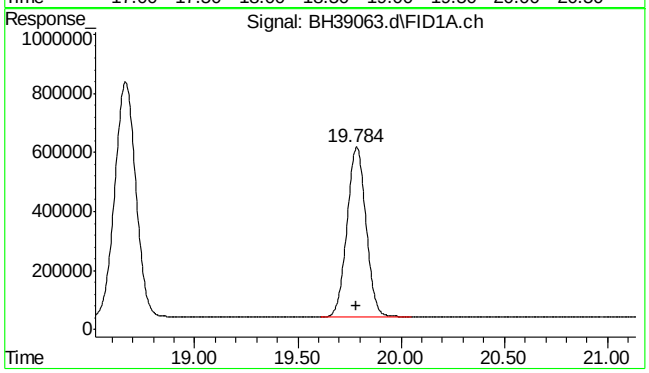
#6 fluorobenzene

R.T.: 14.669 min
Delta R.T.: 0.000 min
Response: 44655889
Conc: 50.00 ppb m



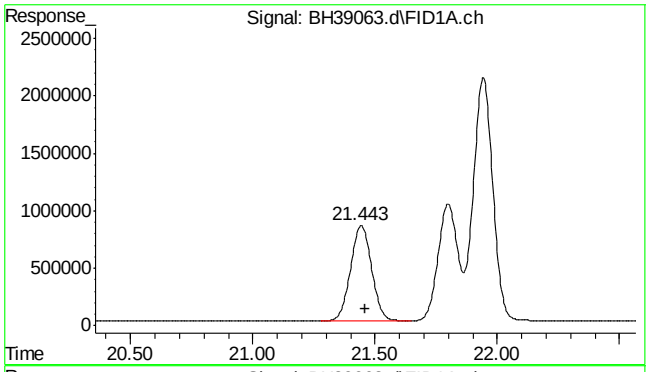
#8 toluene

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 56594972
Conc: 50.01 ppb m



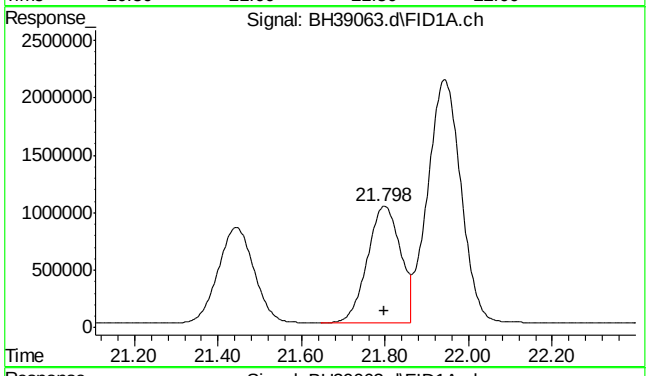
#9 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 36965520
Conc: 50.00 ppb m



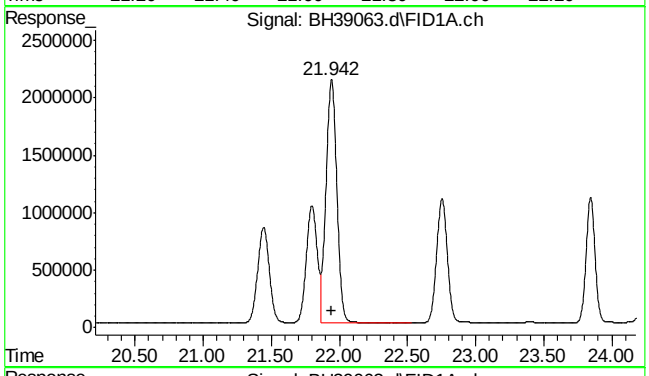
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 49650458
Conc: 50.00 ppb m



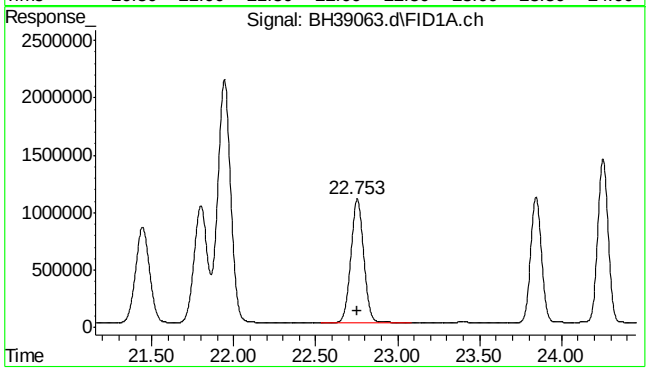
#13 ethylbenzene

R.T.: 21.798 min
Delta R.T.: 0.000 min
Response: 56104042
Conc: 50.28 ppb m



#14 m,p-xylene

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 117634266
Conc: 99.72 ppb m



#15 o-xylene

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 59242785
Conc: 50.00 ppb m

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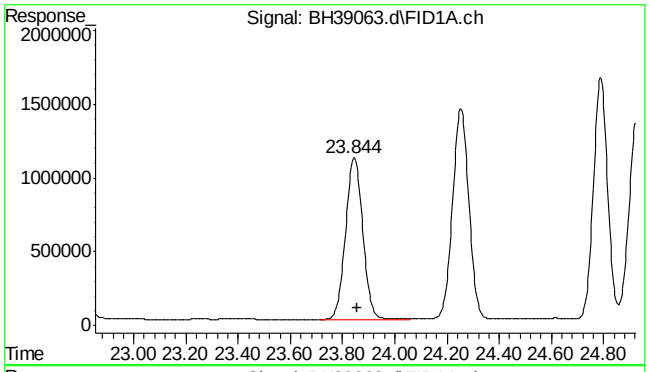
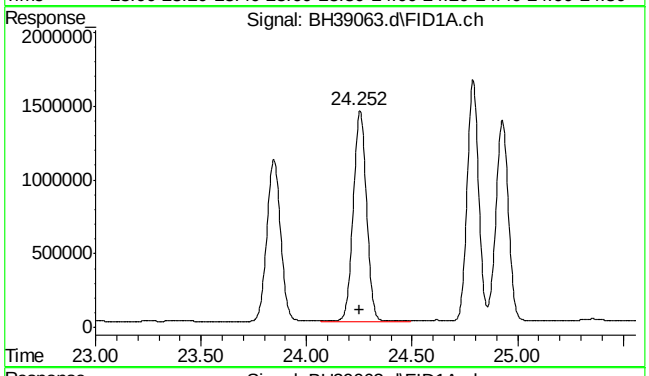


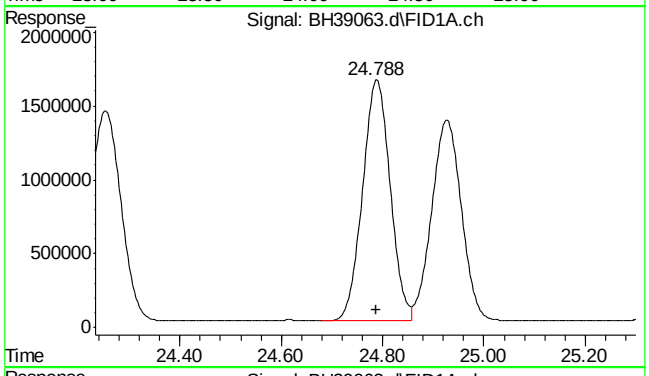
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 50197976
Conc: 50.00 ppb m



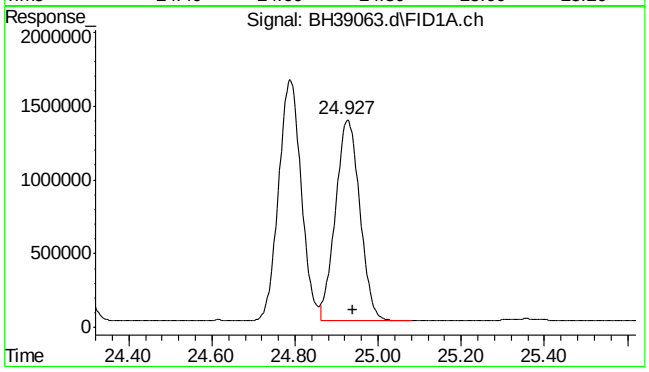
#17 1,3,5-trimethylbenzene

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 62499529
Conc: 50.00 ppb m



#18 1,2,4-trimethylbenzene

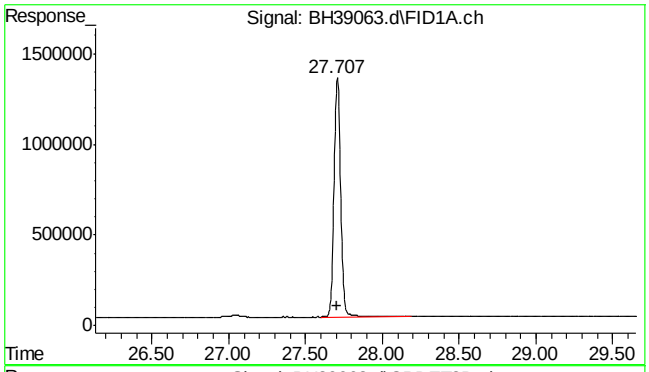
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 61935262
Conc: 50.31 ppb m



#19 butylcyclohexane

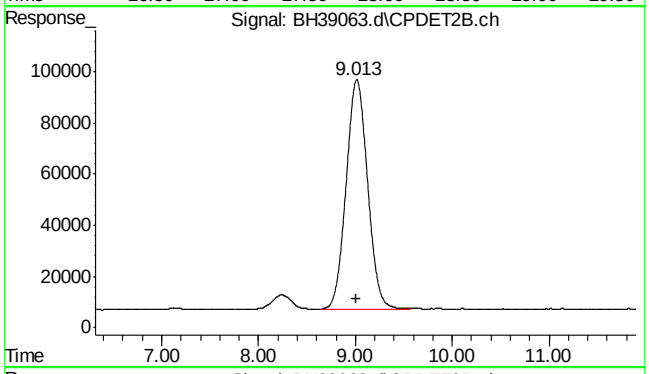
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 55557290
Conc: 50.01 ppb m

SGS ACCUTEST MC45754



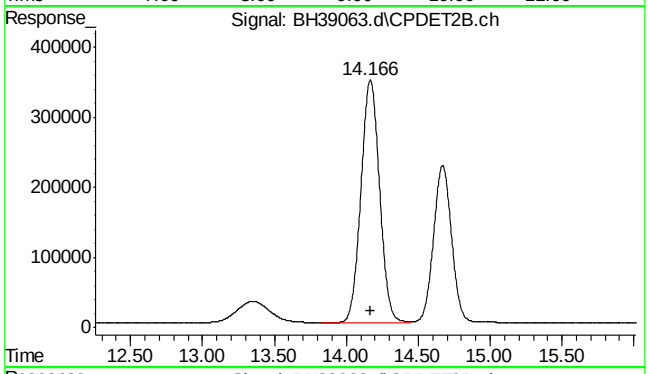
#20 naphthalene

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 39451306
Conc: 50.00 ppb m



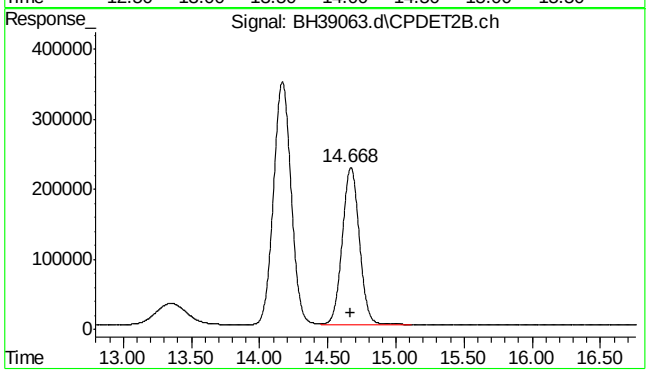
#23 mtbe #2

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 13981996
Conc: 50.01 ppb m



#24 benzene #2

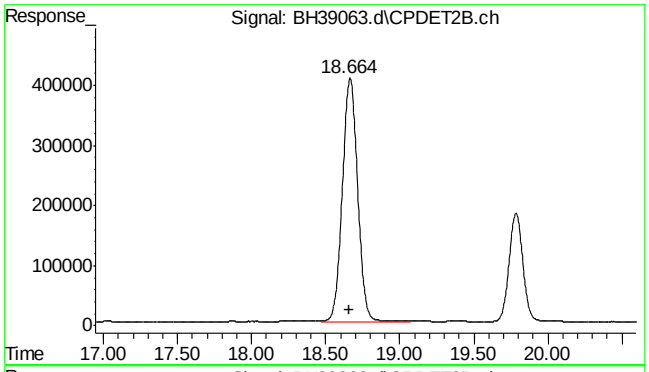
R.T.: 14.166 min
Delta R.T.: 0.000 min
Response: 31119557
Conc: 50.00 ppb m



#25 fluorobenzene #2

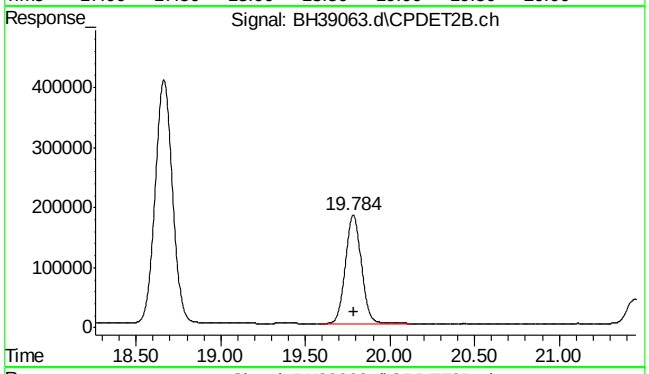
R.T.: 14.668 min
Delta R.T.: 0.000 min
Response: 19580490
Conc: 50.01 ppb m

SGS ACCUTEST MC45754



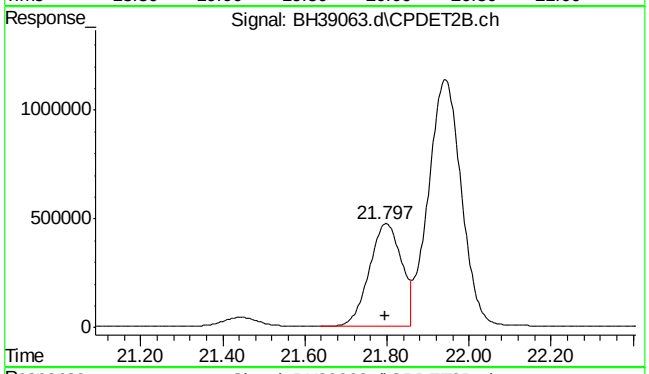
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 29136833
Conc: 50.01 ppb m



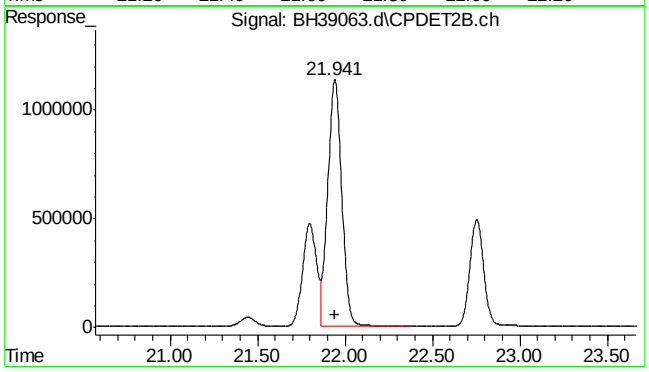
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 11722343
Conc: 50.00 ppb m



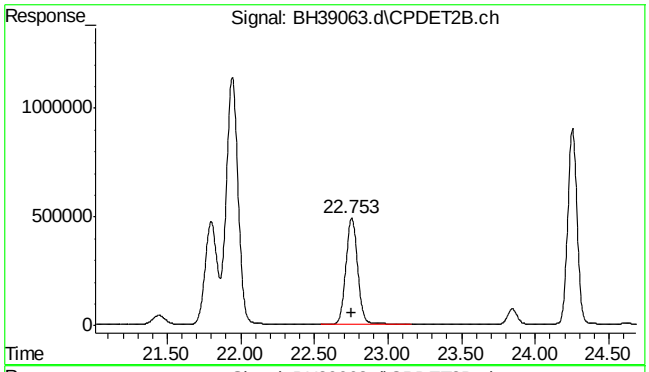
#28 ethylbenzene #2

R.T.: 21.797 min
Delta R.T.: 0.000 min
Response: 25834701
Conc: 49.85 ppb m



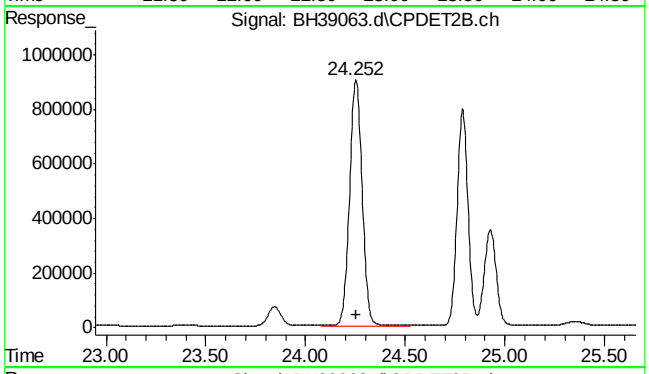
#29 m,p-xylene #2

R.T.: 21.941 min
Delta R.T.: 0.000 min
Response: 63398610
Conc: 99.39 ppb m



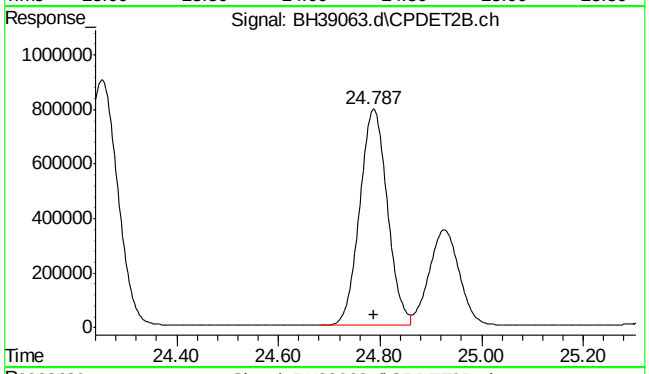
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 27195655
Conc: 50.02 ppb m



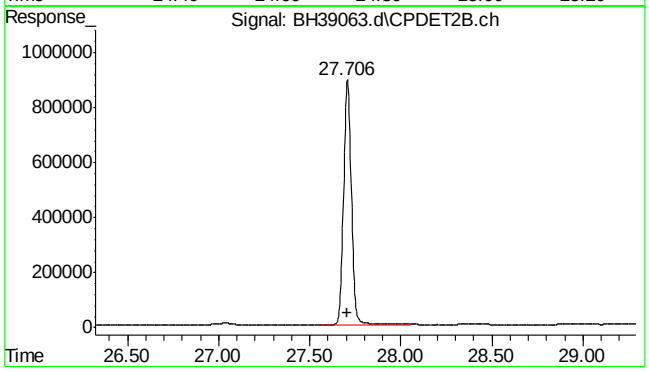
#31 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 39805434
Conc: 50.00 ppb m



#32 1,2,4-trimethylbenzene #2

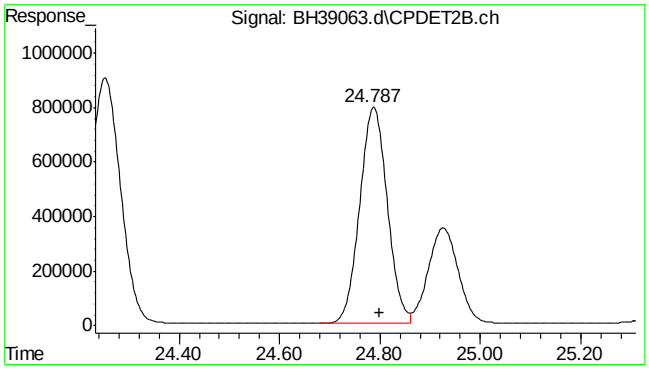
R.T.: 24.787 min
Delta R.T.: 0.000 min
Response: 30104795
Conc: 50.00 ppb m



#33 naphthalene #2

R.T.: 27.706 min
Delta R.T.: 0.000 min
Response: 26699144
Conc: 50.00 ppb m

SGS ACCUTEST MC45754



#34 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 30253242
Conc: 50.00 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(3) mtbe (t)
9.014min 50.202 ppb
response 29946396

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:02:34 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(3) mtbe (t)
9.013min 50.002 ppb m
response 29827413

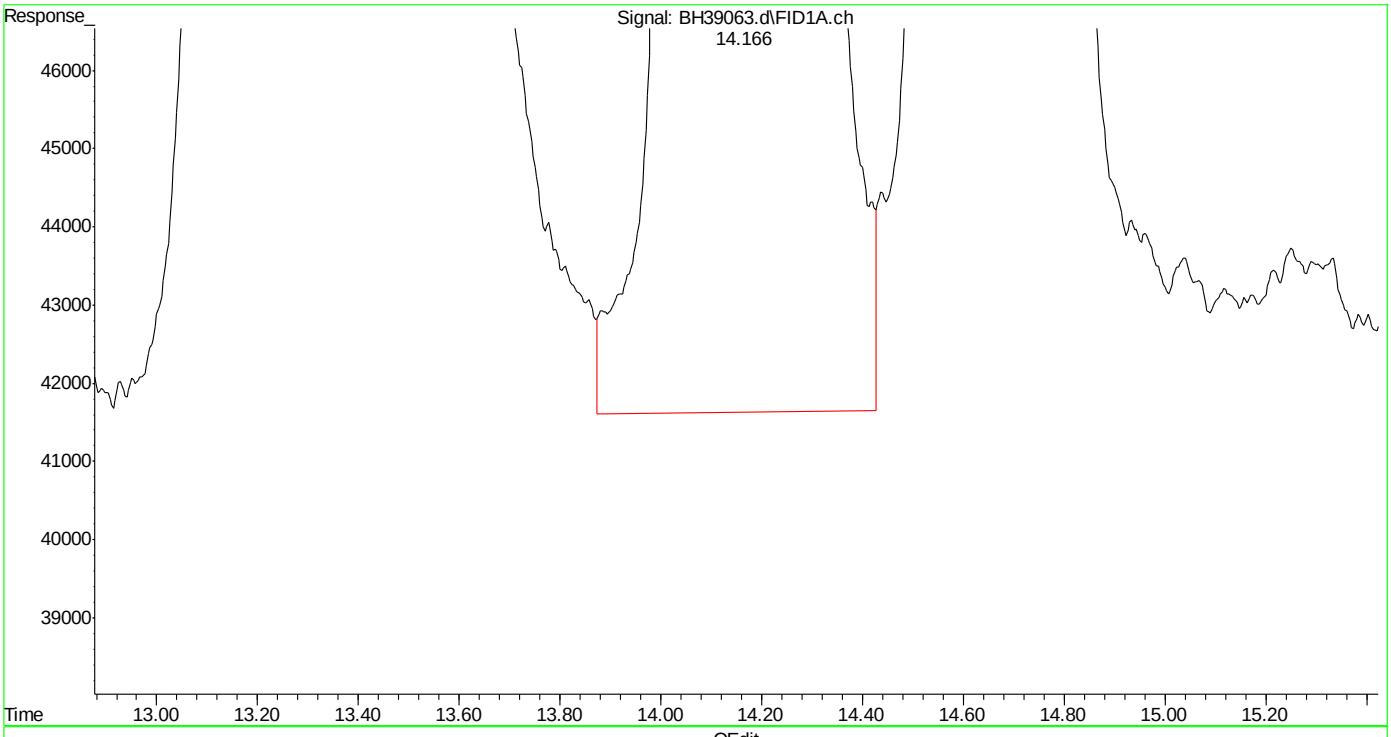
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:02:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.168min 50.036 ppb
response 56647396

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:03:38 2016 Page: 1

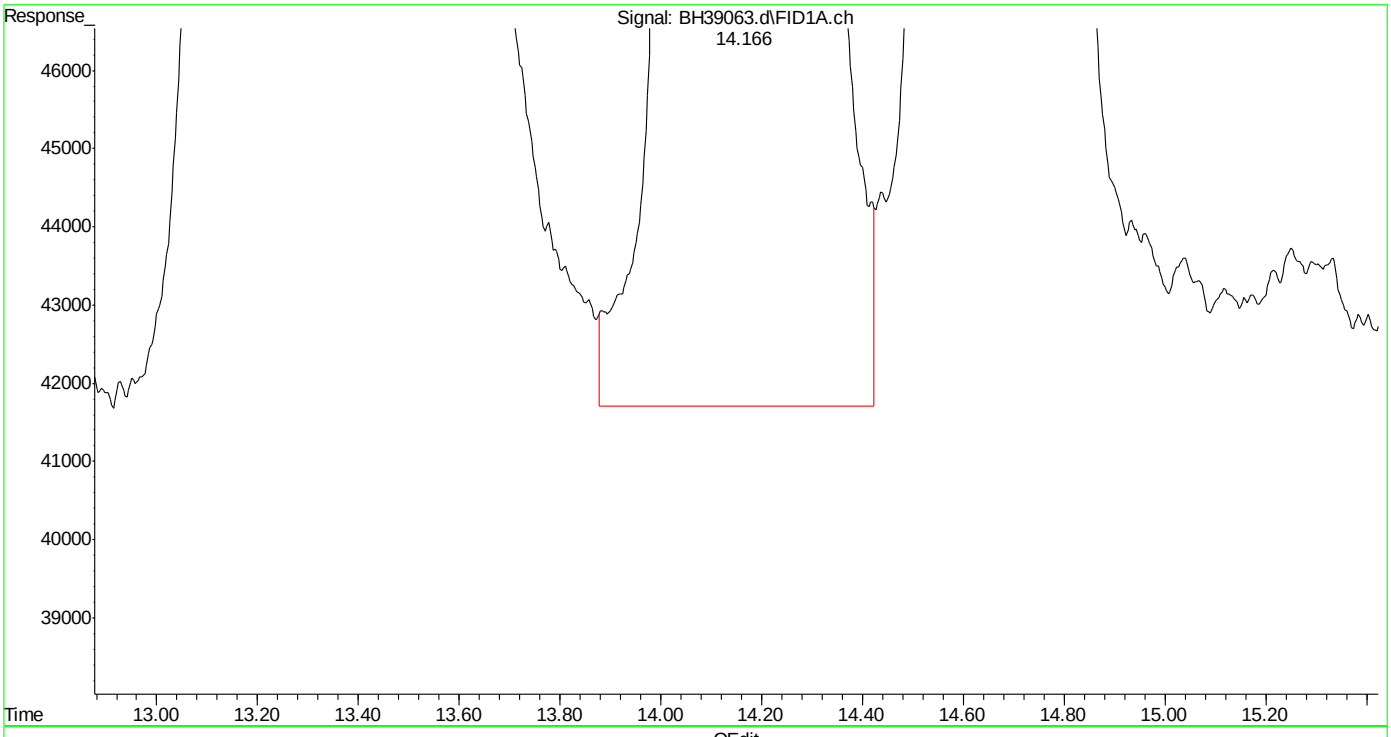
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.166min 49.998 ppb m
response 56604825

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:04:02 2016 Page: 1

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(6) fluorobenzene (s)
14.669min 49.998 ppb m
response 44655889

(+) = Expected Retention Time

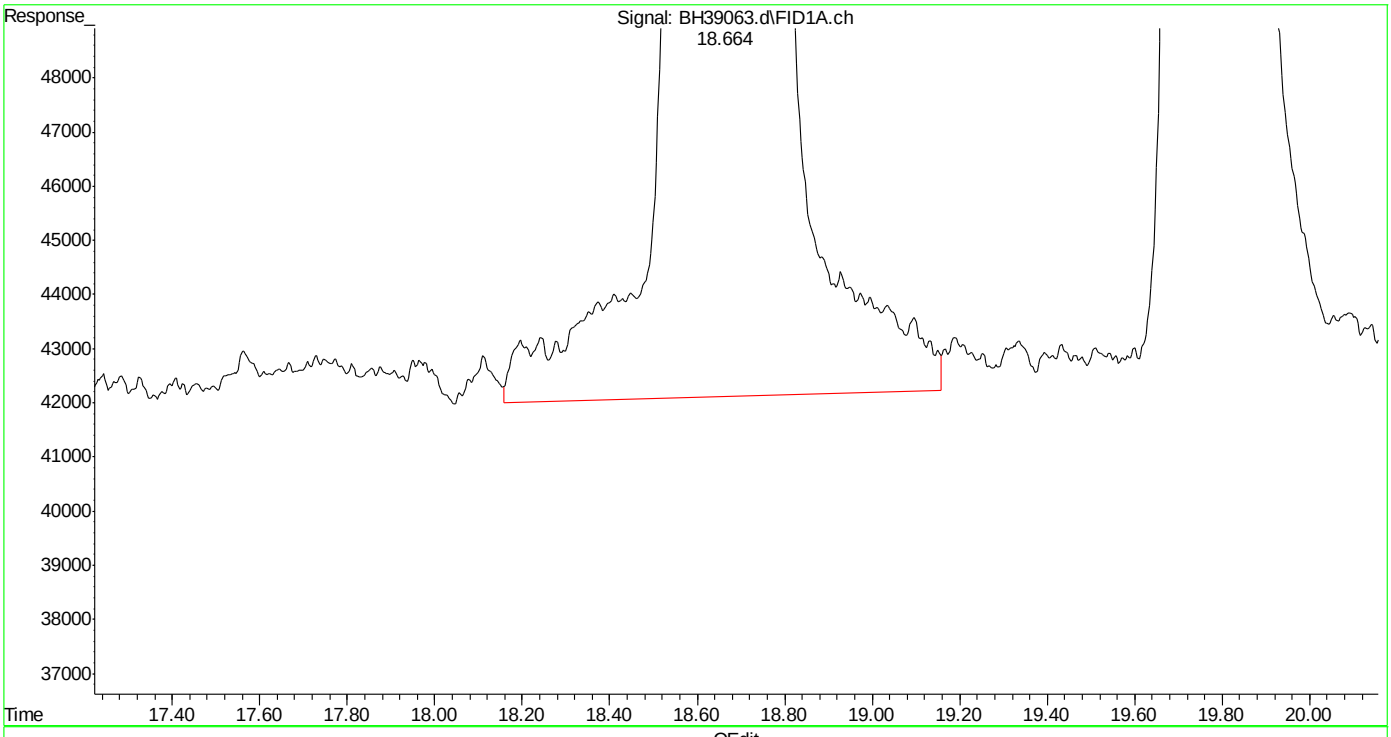
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.666min 50.454 ppb
response 57099358

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:04:30 2016

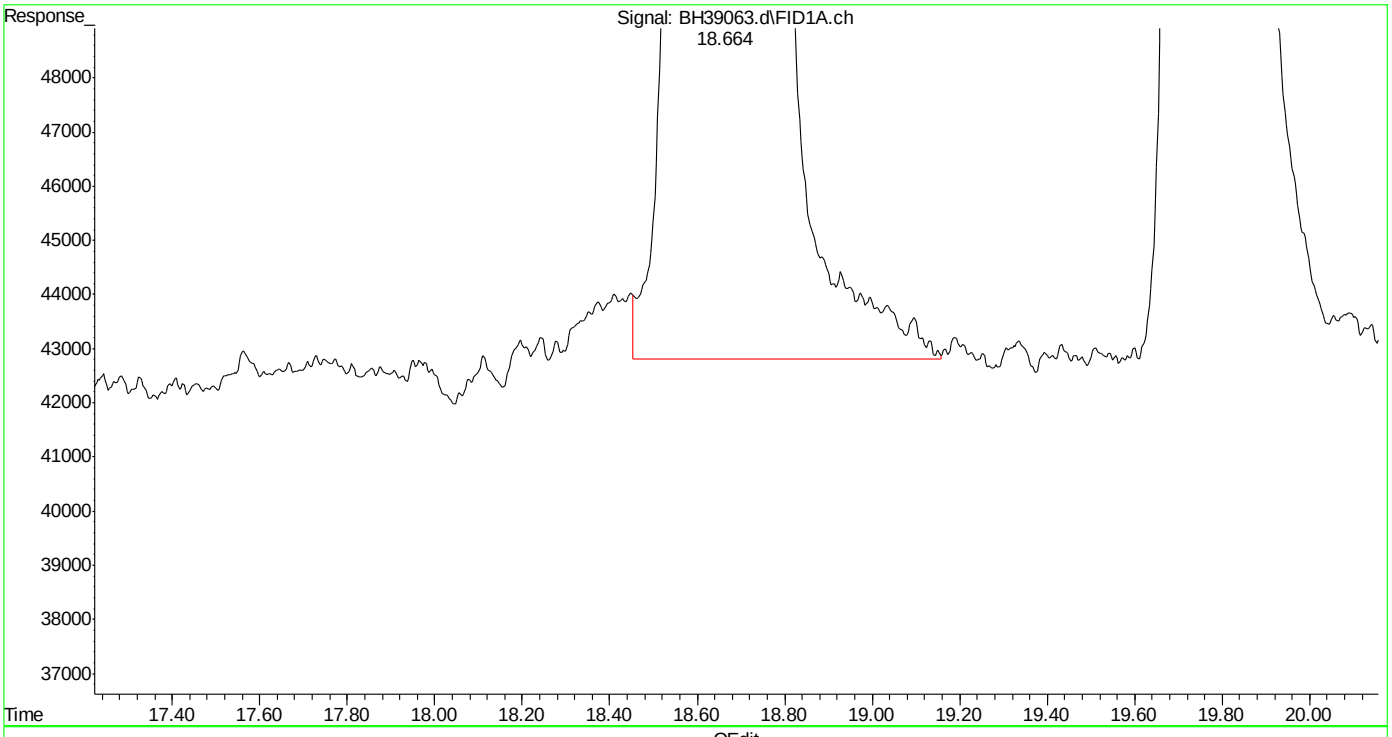
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.664min 50.008 ppb m
response 56594972

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:04:41 2016

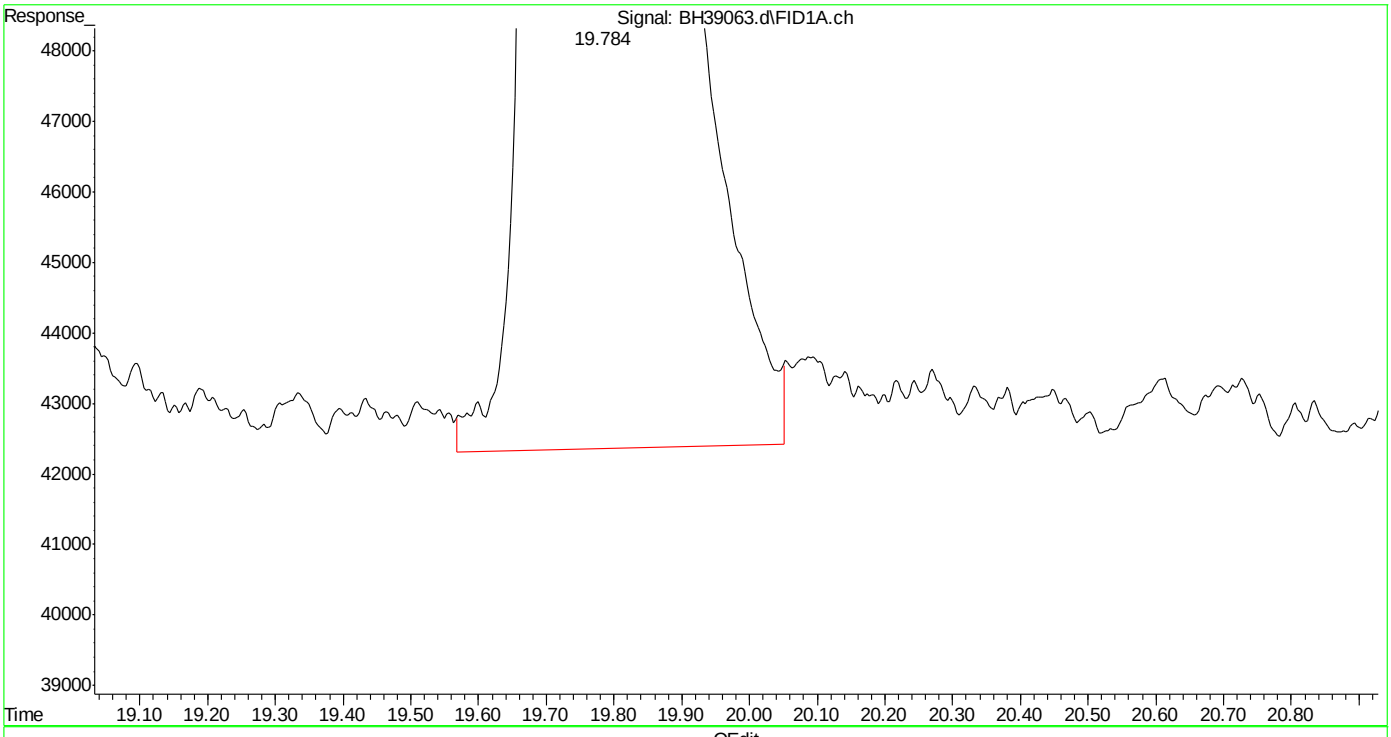
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.785min 50.169 ppb
response 37093386

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:04:45 2016 Page: 1

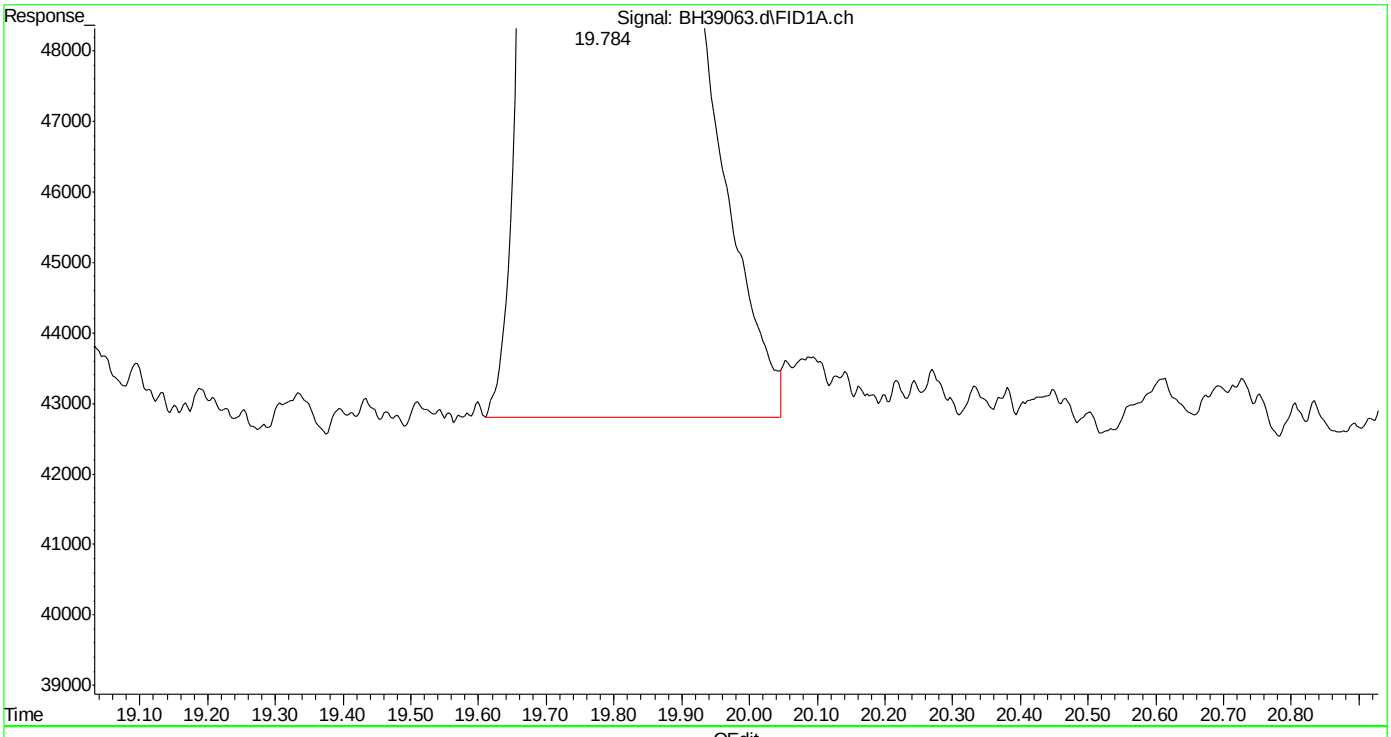
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.784min 49.996 ppb m
response 36965520

(+) = Expected Retention Time

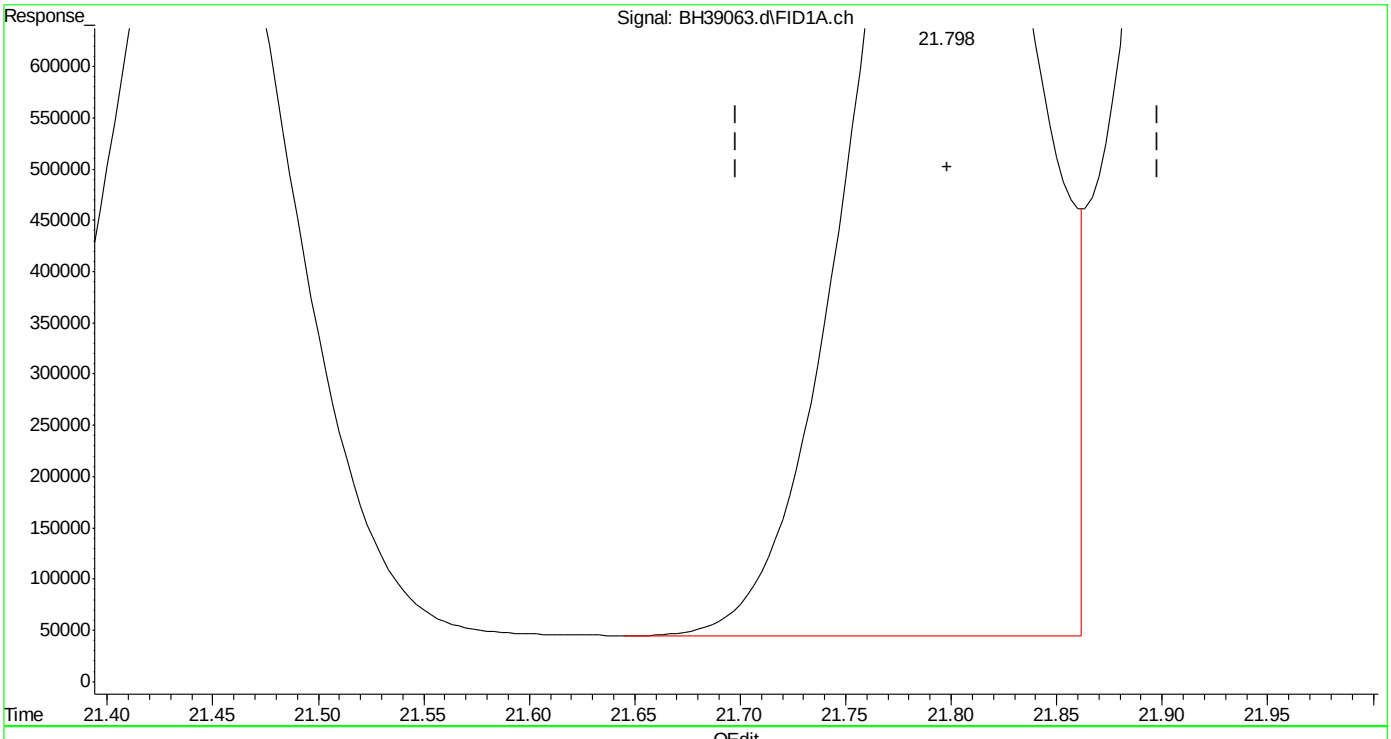
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.798min 50.285 ppb m
response 56104042

(+) = Expected Retention Time

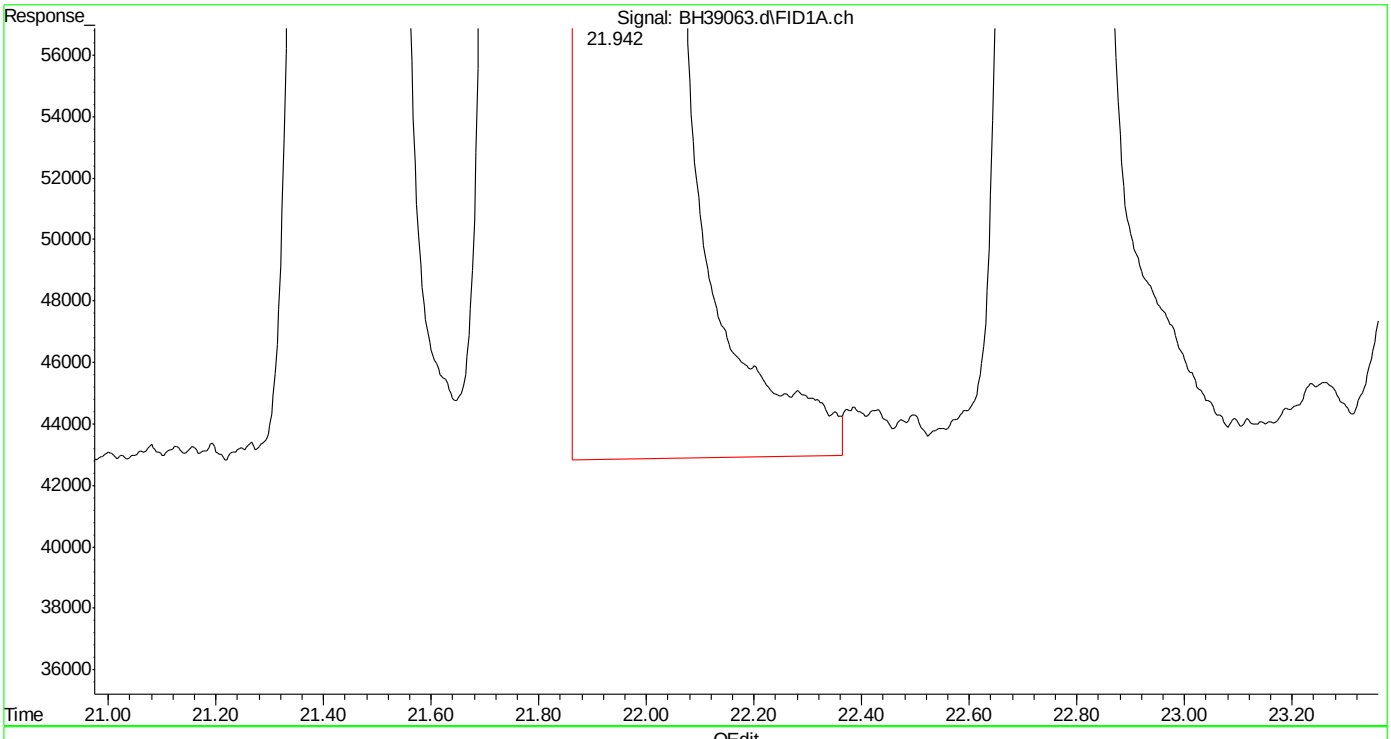
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 100.055 ppb
response 118032604

(+) = Expected Retention Time

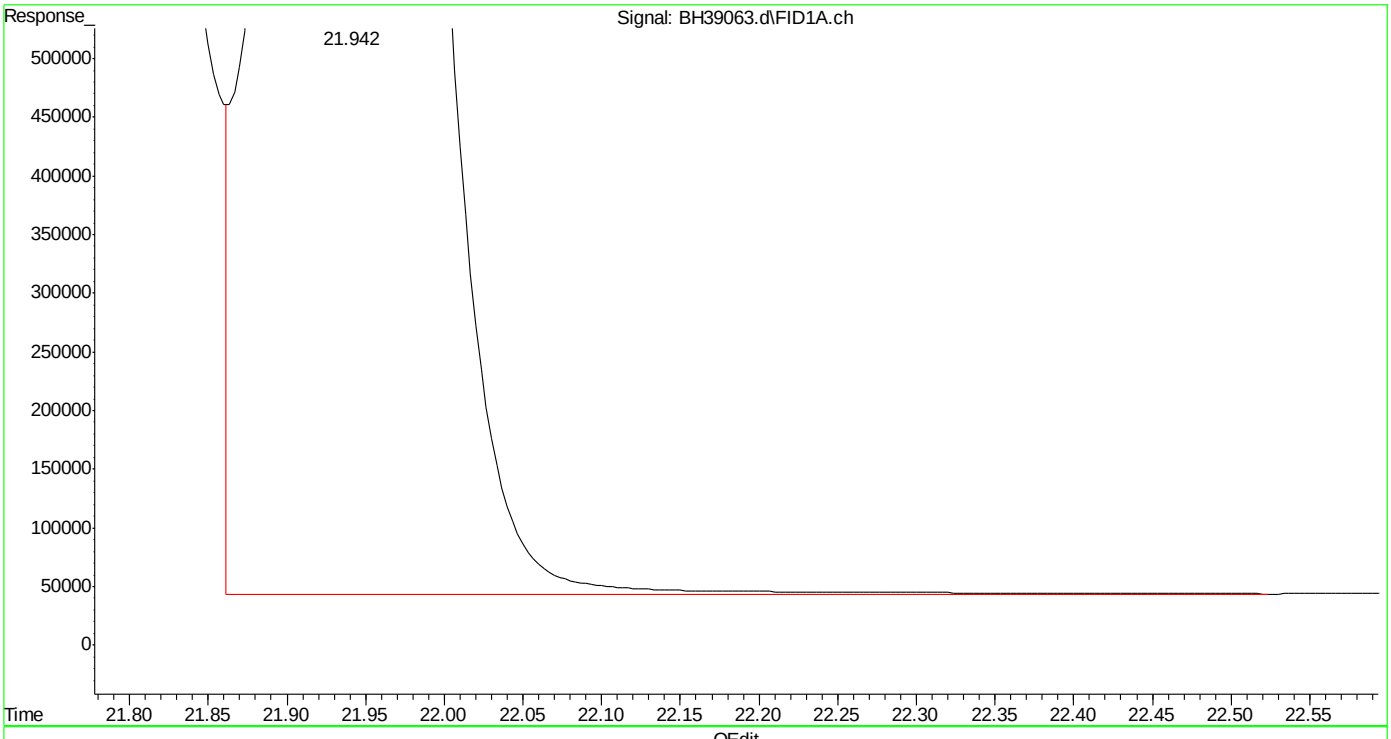
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.942min 99.718 ppb m
response 117634266

(+) = Expected Retention Time

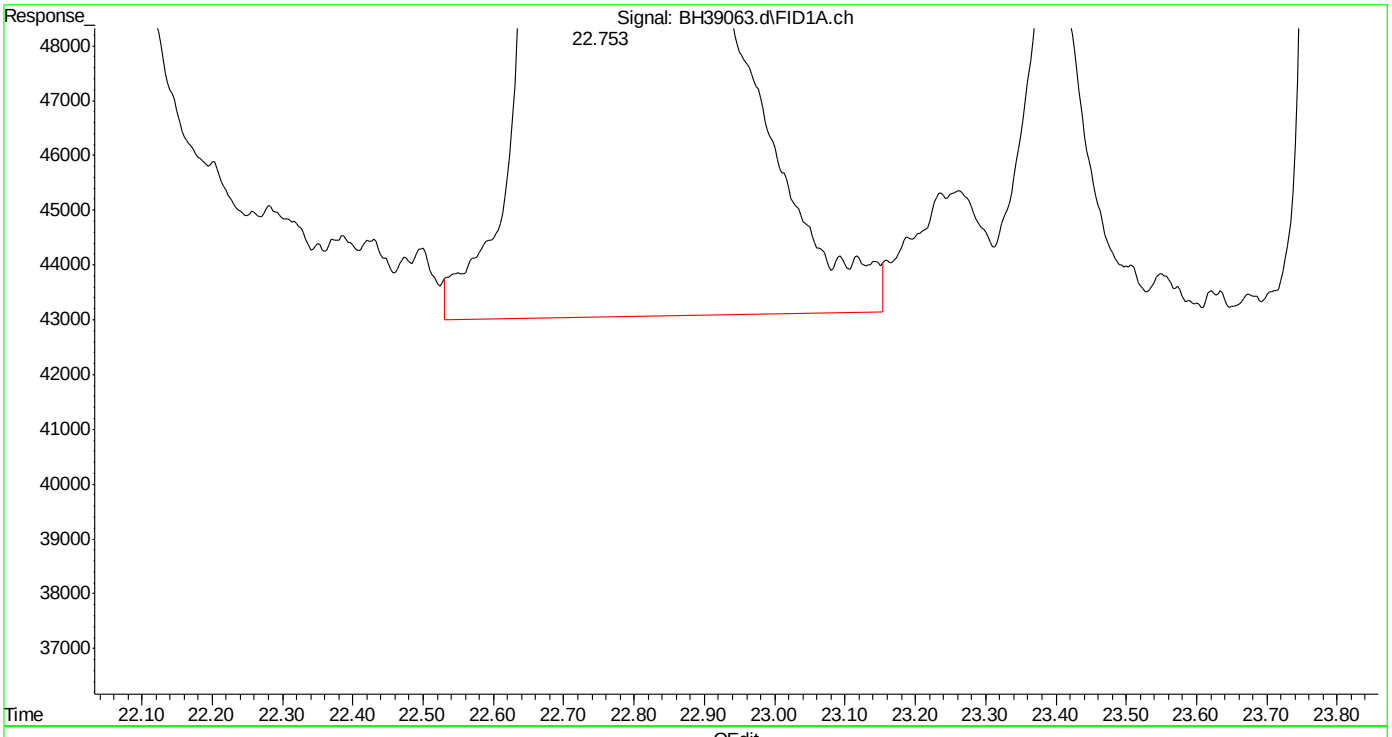
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.755min 50.184 ppb
response 59454955

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:06:24 2016

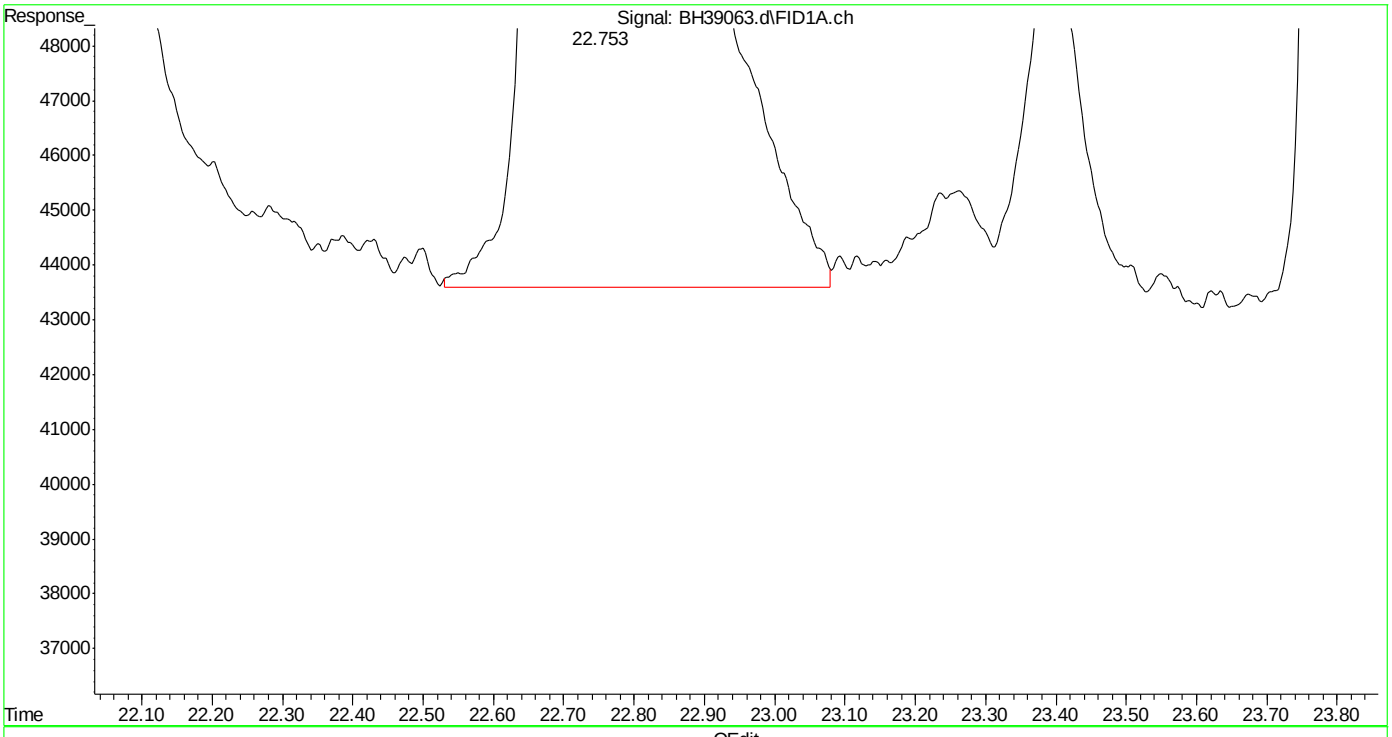
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.753min 50.005 ppb m
response 59242785

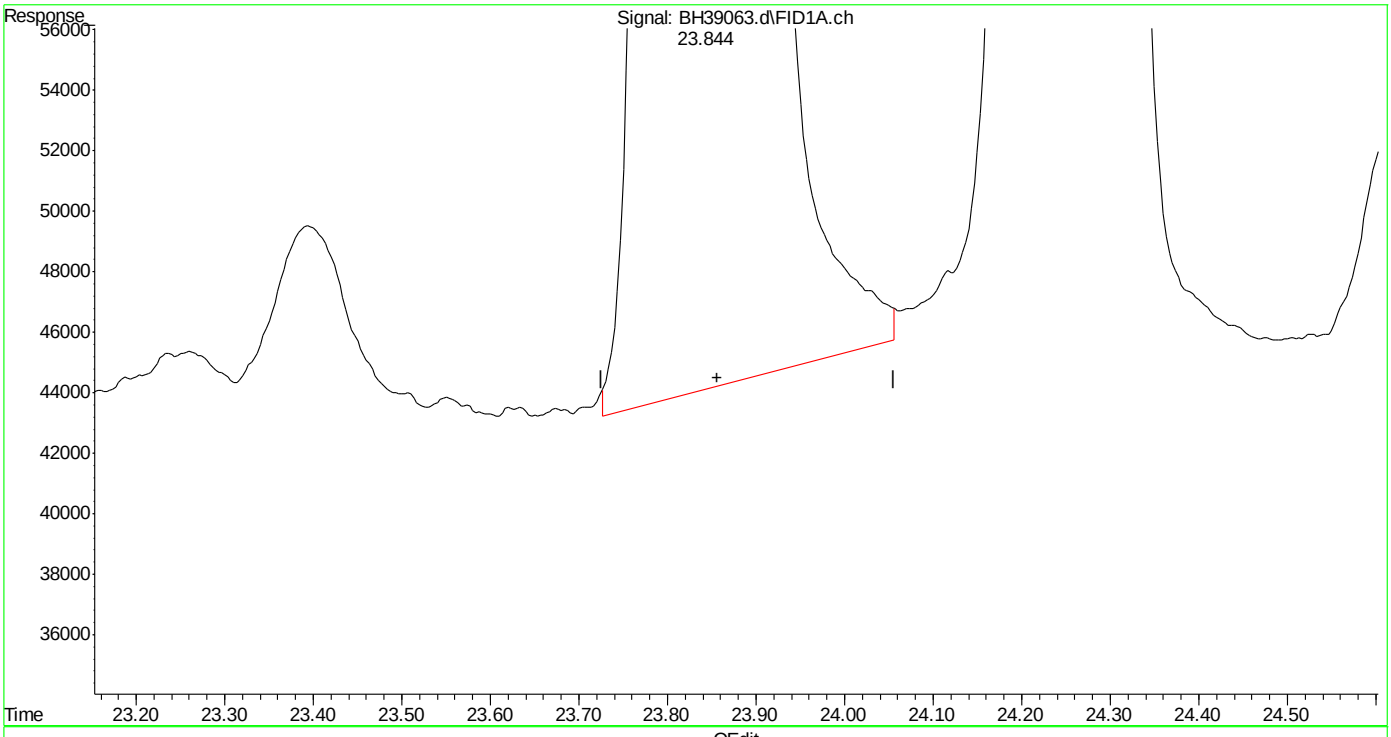
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:06:29 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 49.744 ppb
response 49941797

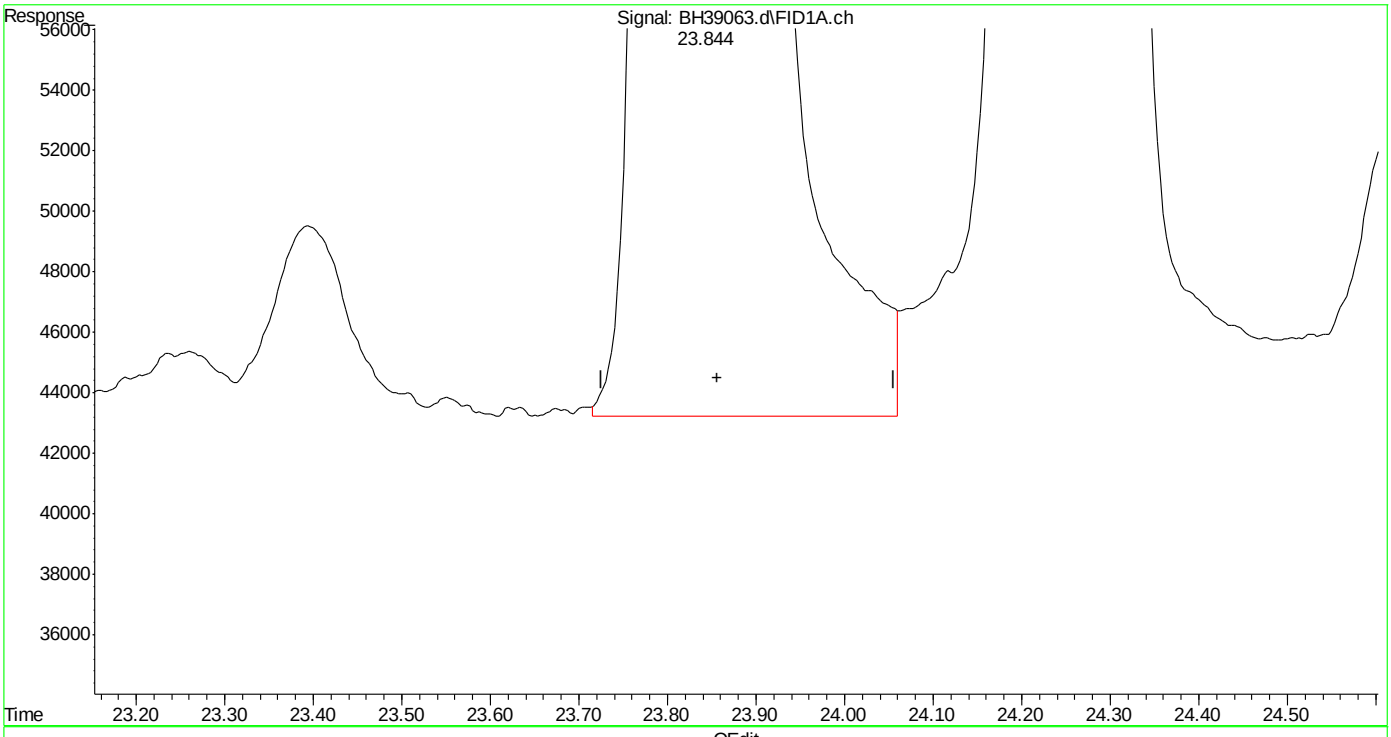
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:06:36 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 49.999 ppb m
response 50197976

(+) = Expected Retention Time

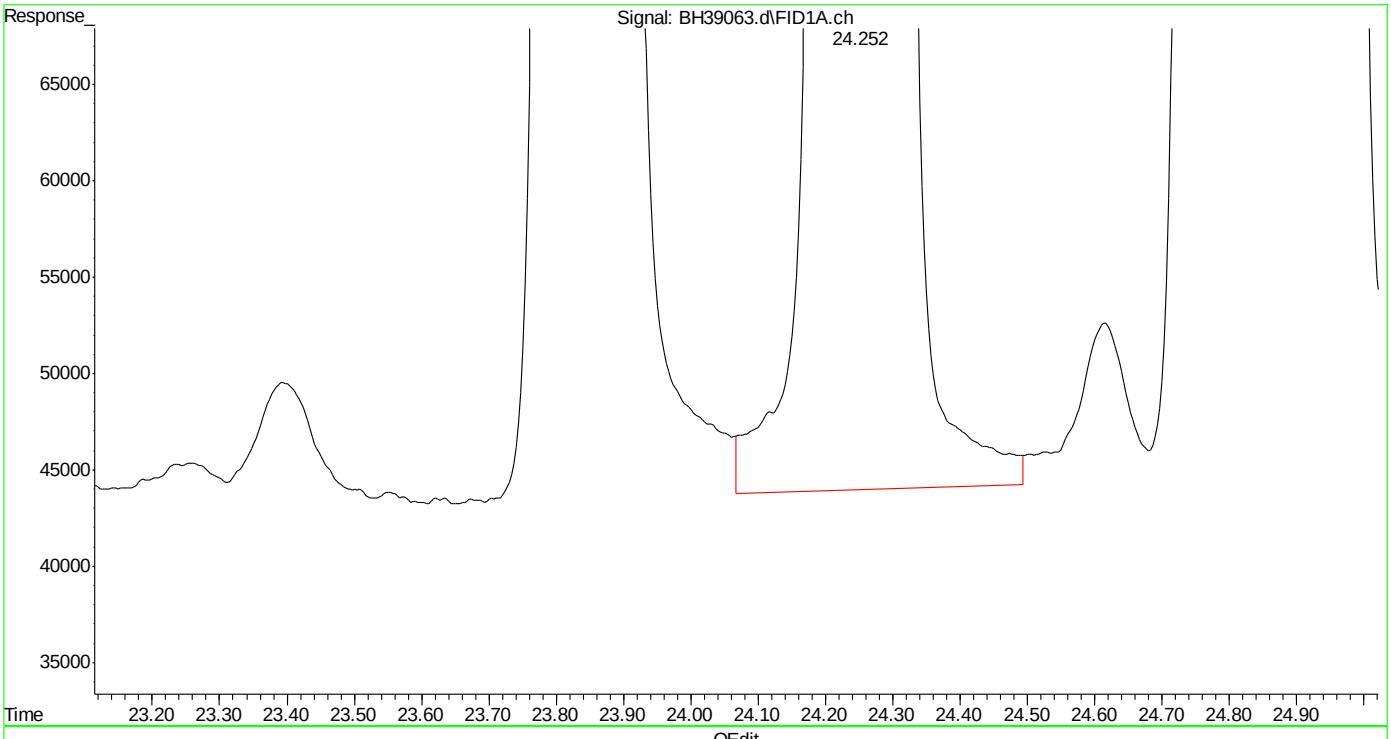
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 49.853 ppb
response 62310044

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:06:55 2016

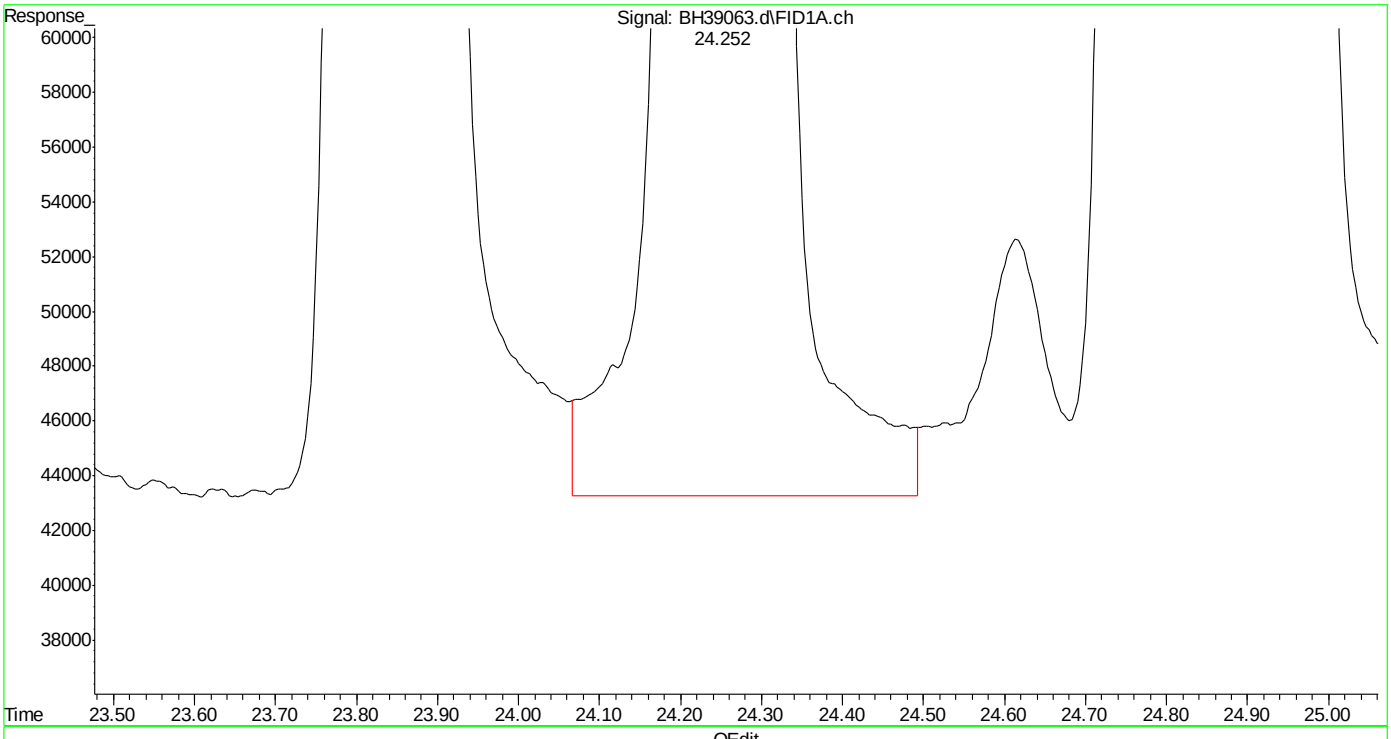
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.252min 50.004 ppb m
response 62499529

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:07:26 2016

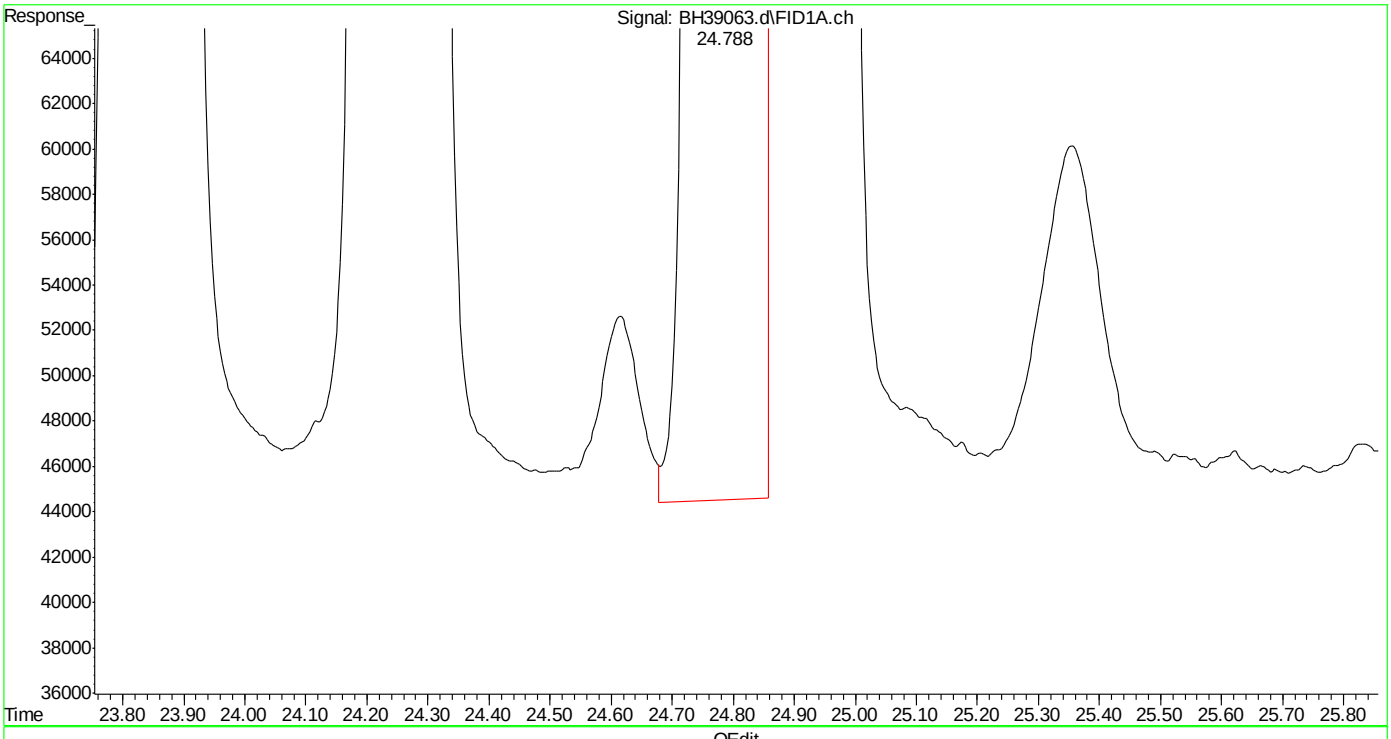
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.789min 50.253 ppb
response 61860378

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:07:32 2016

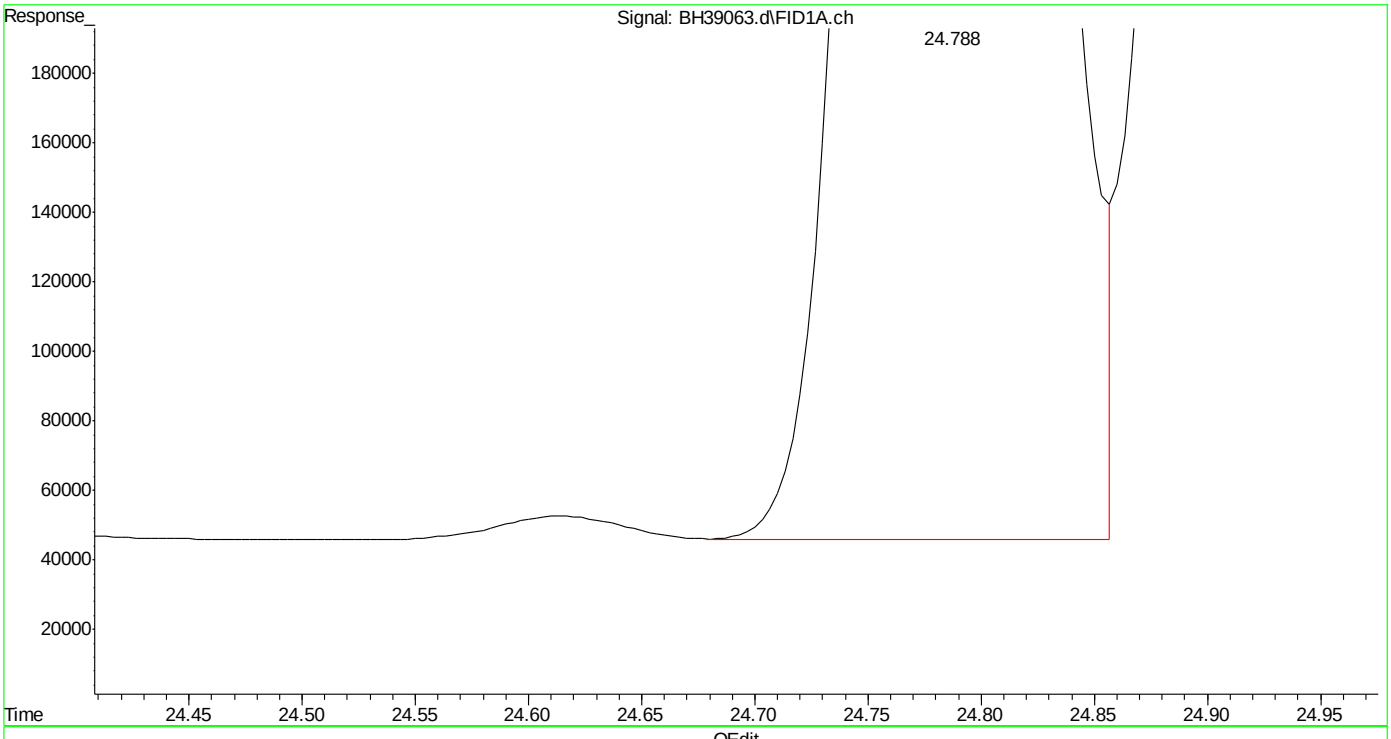
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 50.313 ppb m
response 61935262

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:07:48 2016

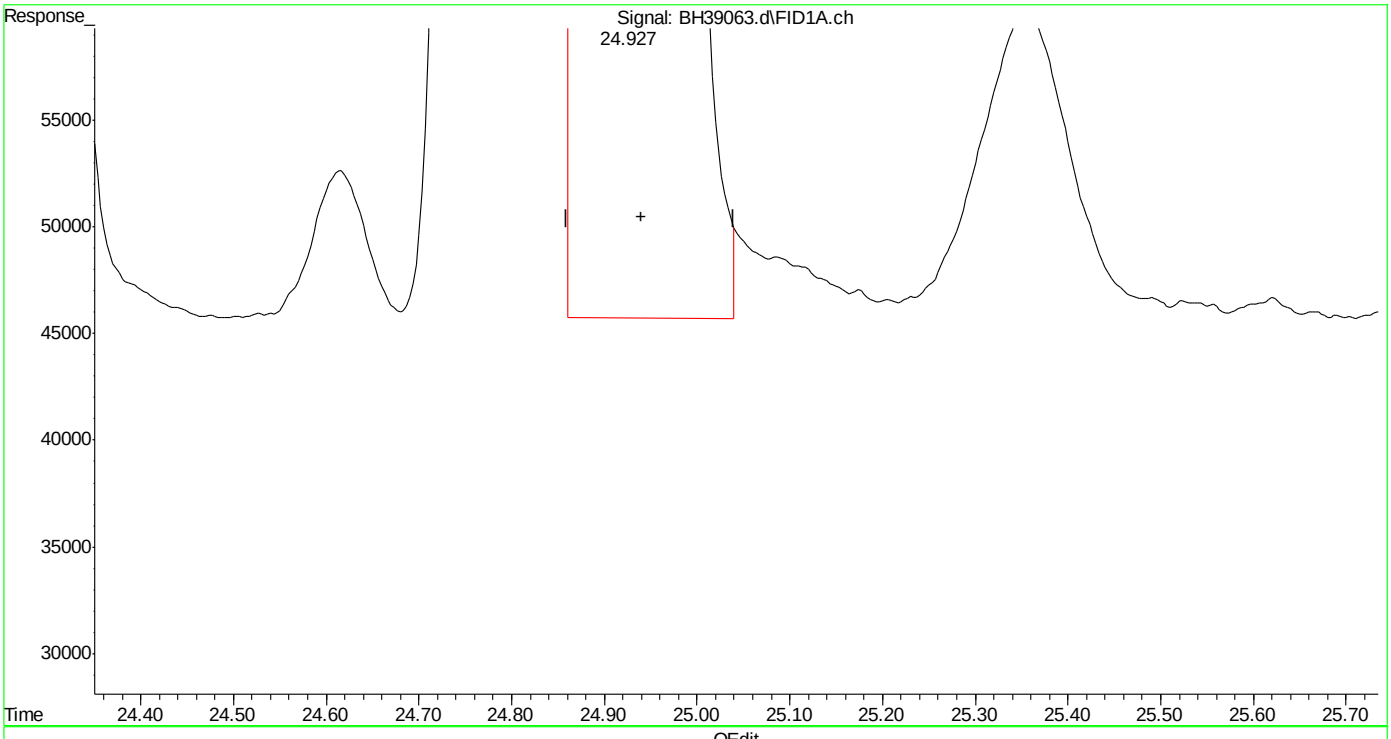
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 49.776 ppb
response 55297181

(+) = Expected Retention Time

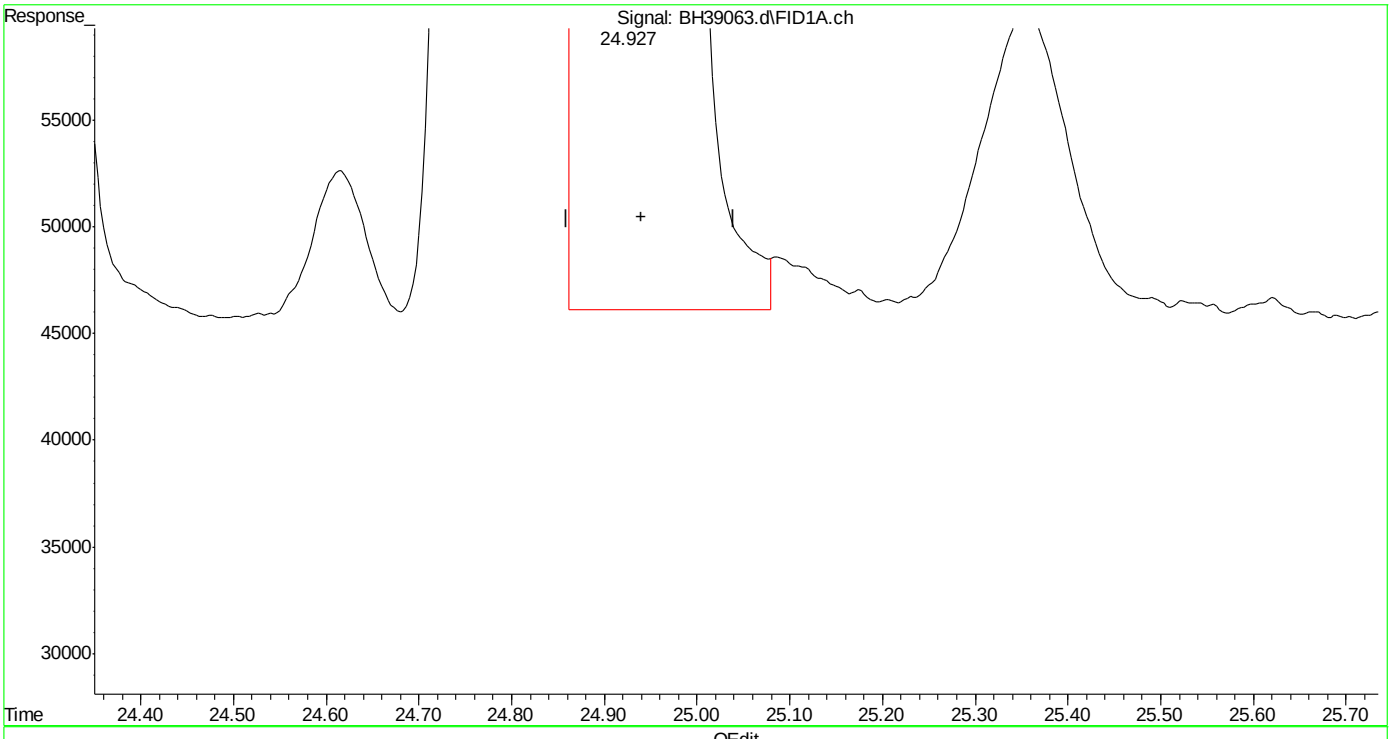
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 50.010 ppb m
response 55557290

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:08:14 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(20) naphthalene (t)
27.708min 50.689 ppb
response 39994849

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:08:20 2016 Page: 1

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(20) naphthalene (t)
27.707min 50.000 ppb m
response 39451306

(+) = Expected Retention Time

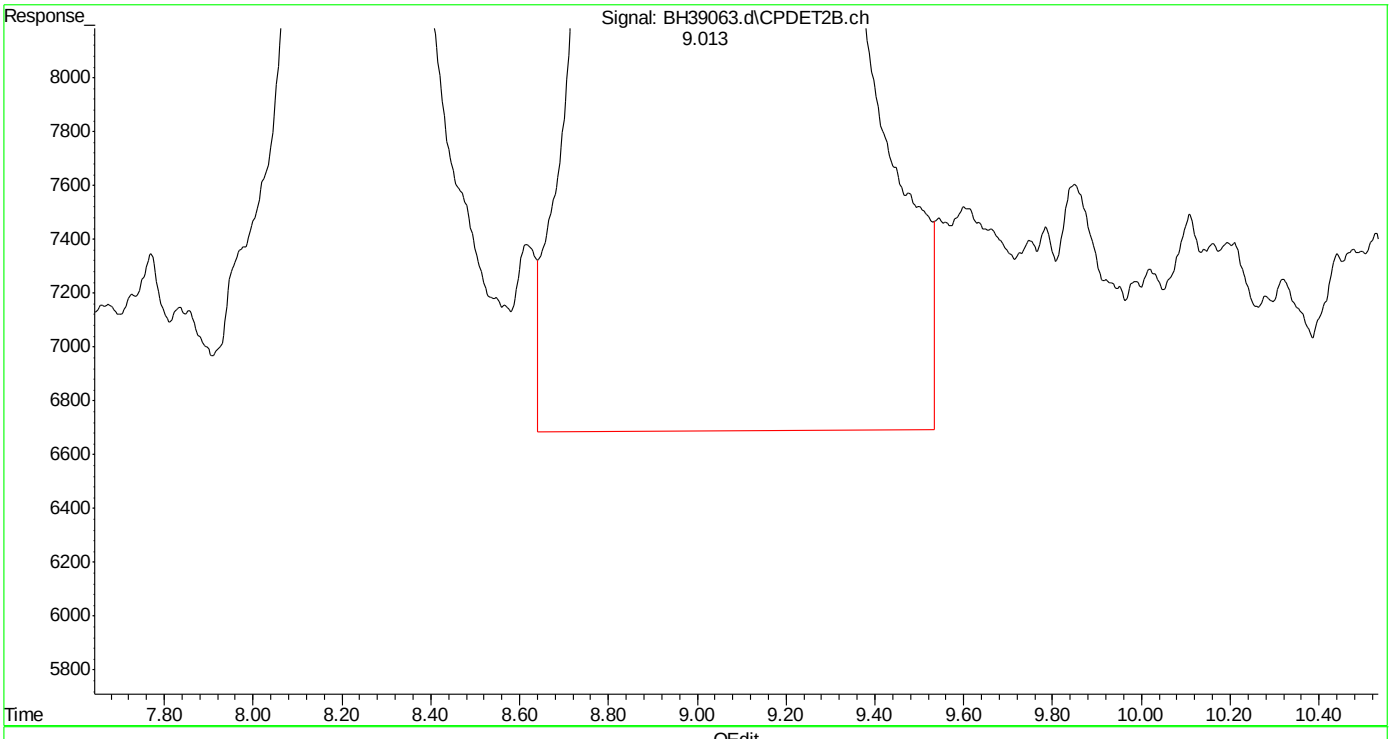
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.014min 50.534 ppb
response 14128265

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(23) mtbe #2 (t)
9.013min 50.011 ppb m
response 13981996

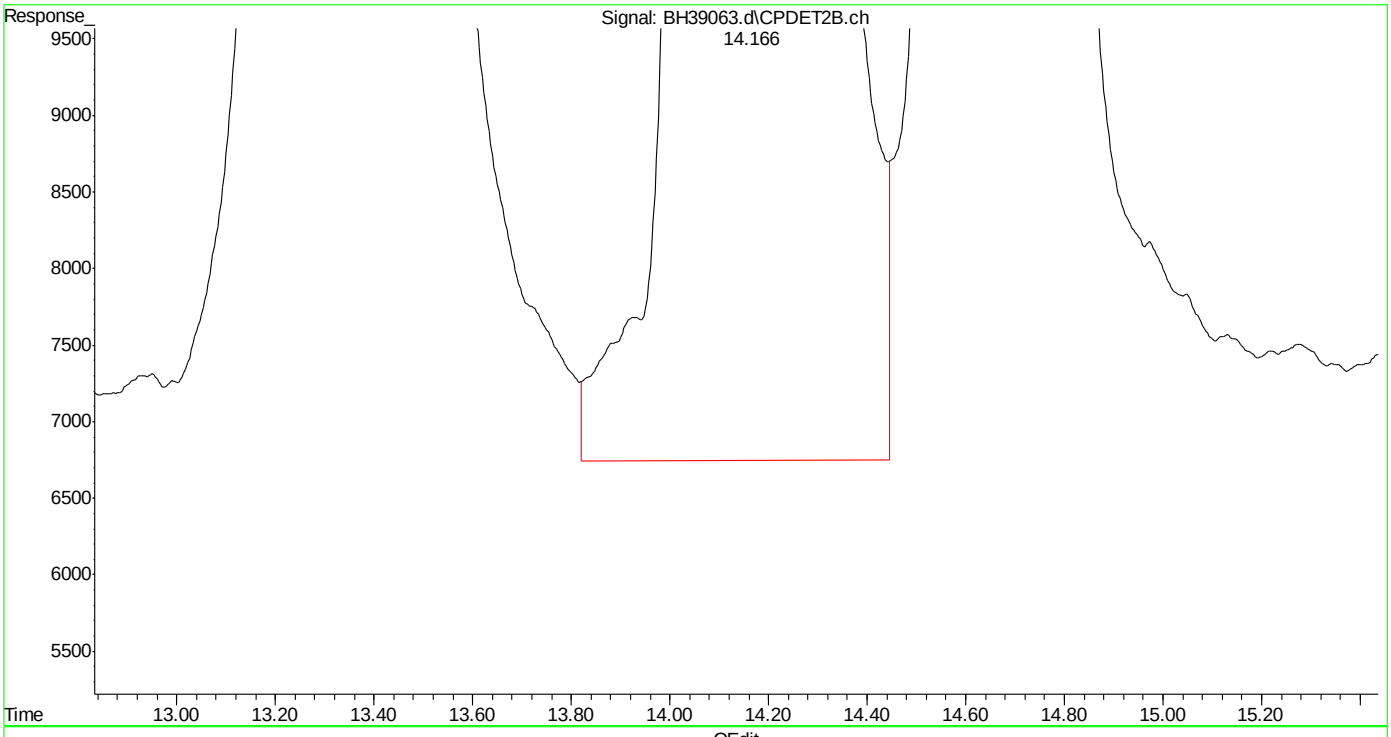
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:28 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.168min 50.291 ppb
response 31301411

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:33 2016 Page: 1

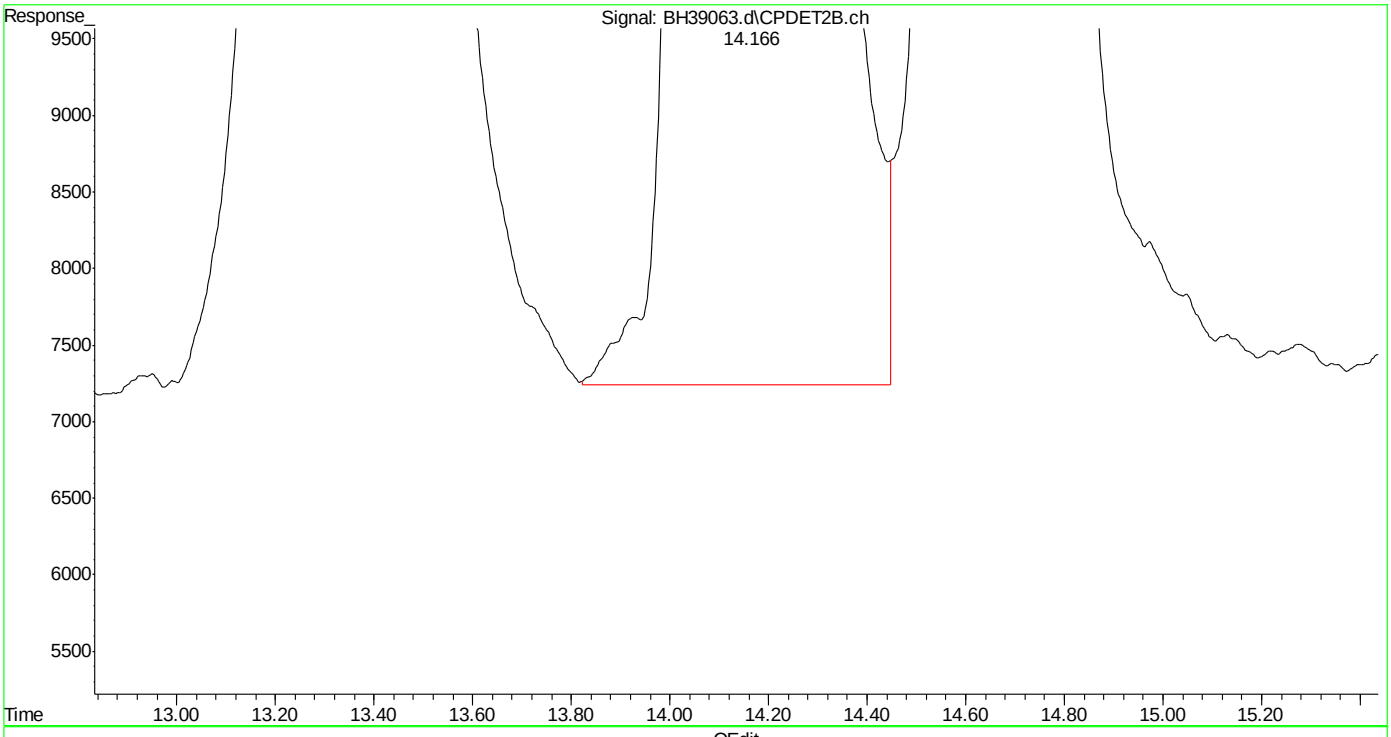
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.166min 49.999 ppb m
response 31119557

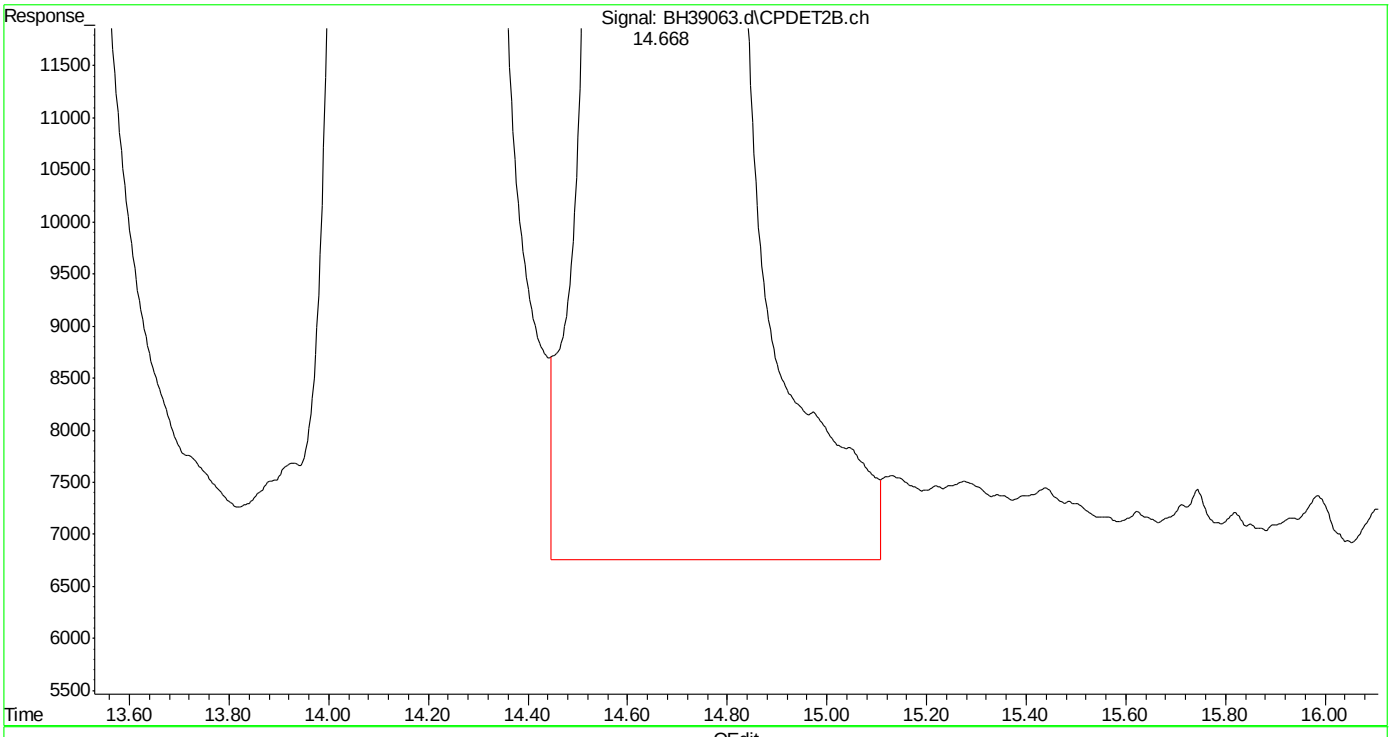
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:45 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 50.514 ppb
response 19779561

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:50 2016

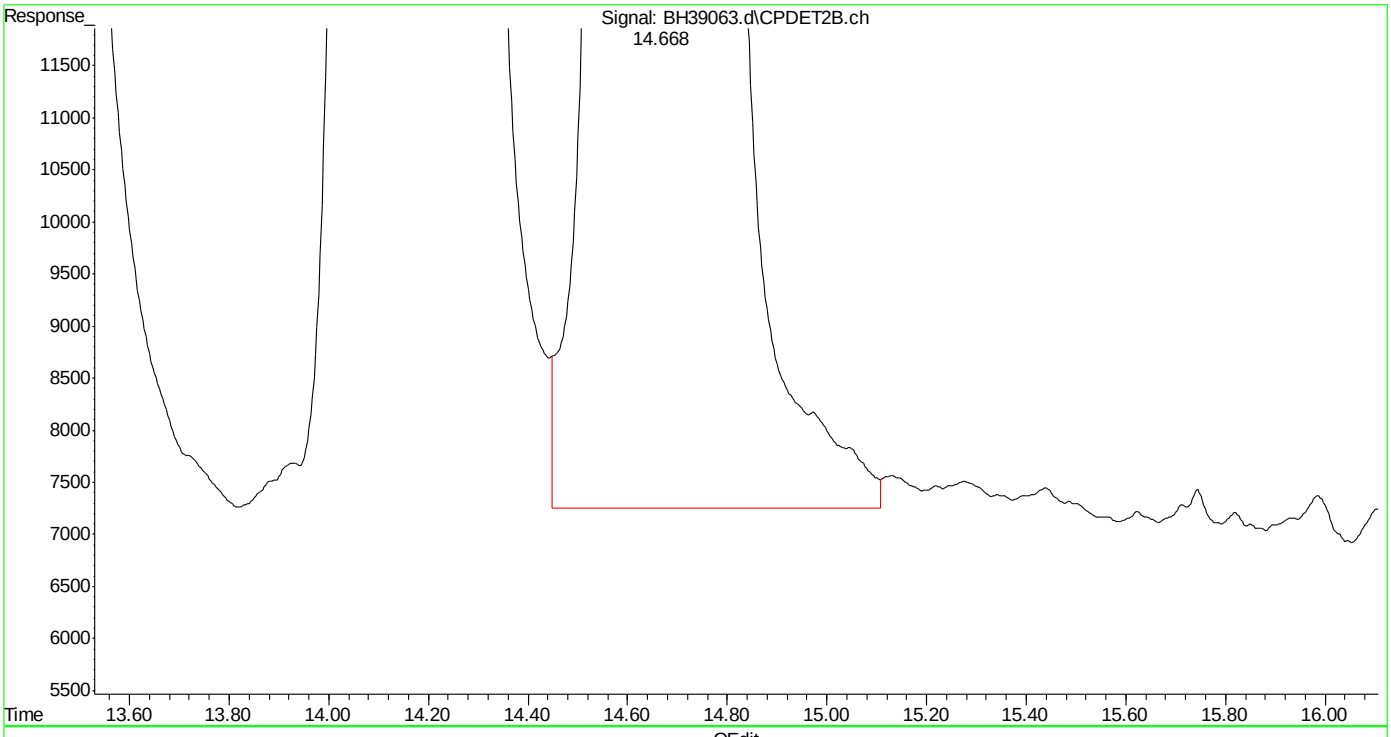
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.668min 50.005 ppb m
response 19580490

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:59 2016

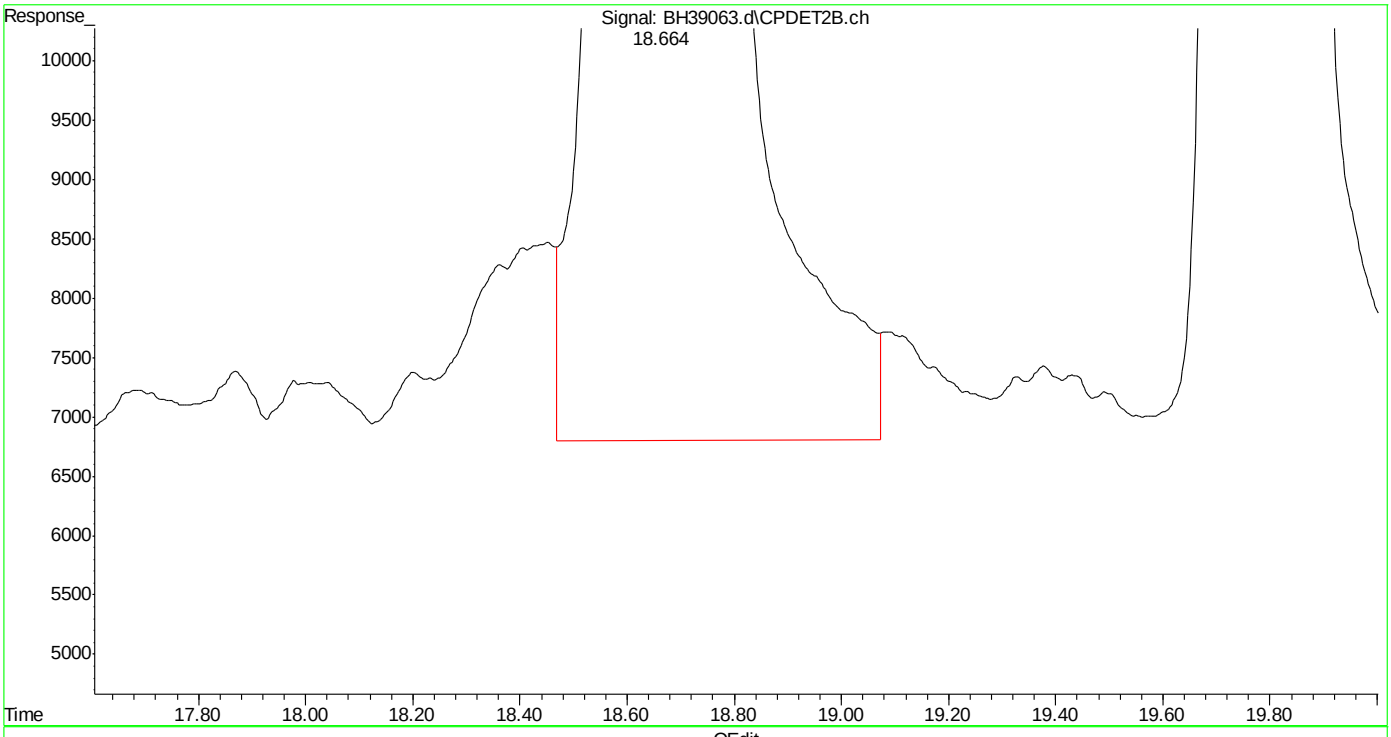
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.665min 50.096 ppb
response 29186617

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:05 2016

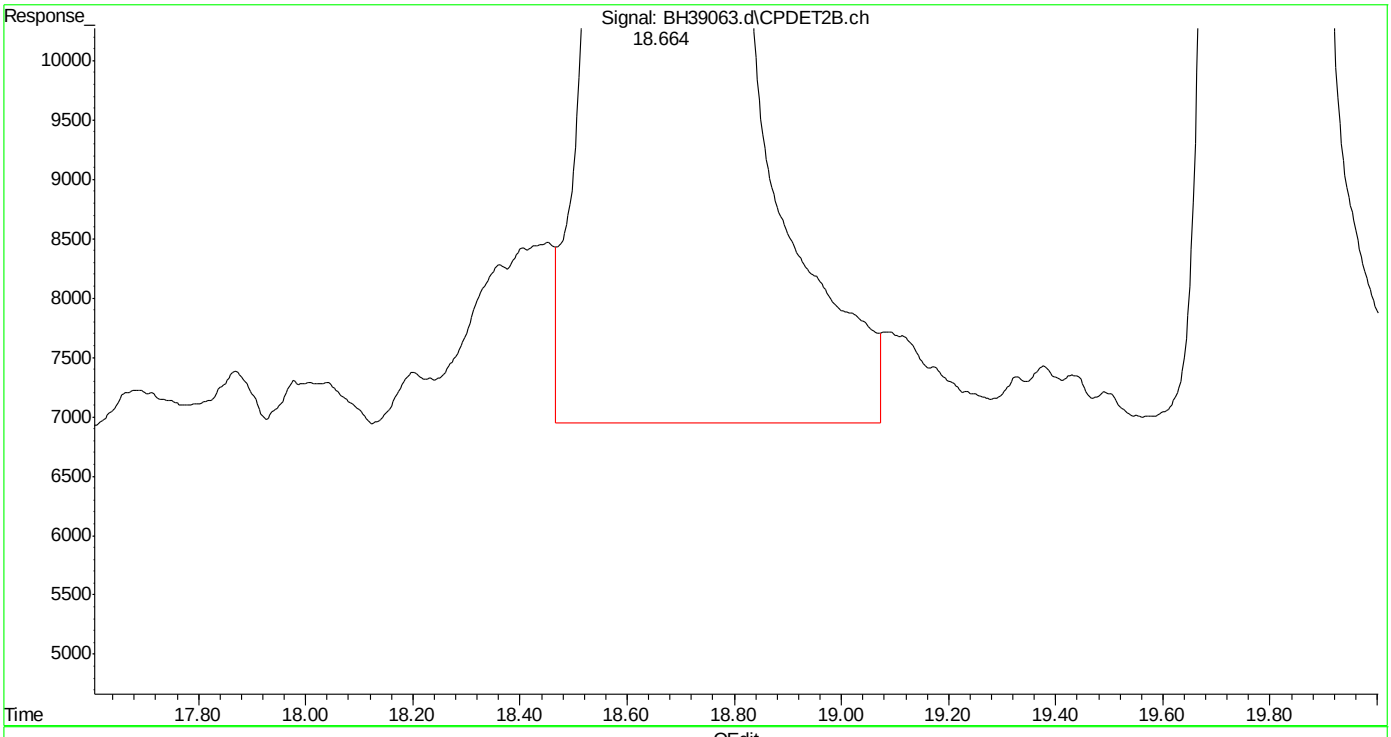
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 50.010 ppb m
response 29136833

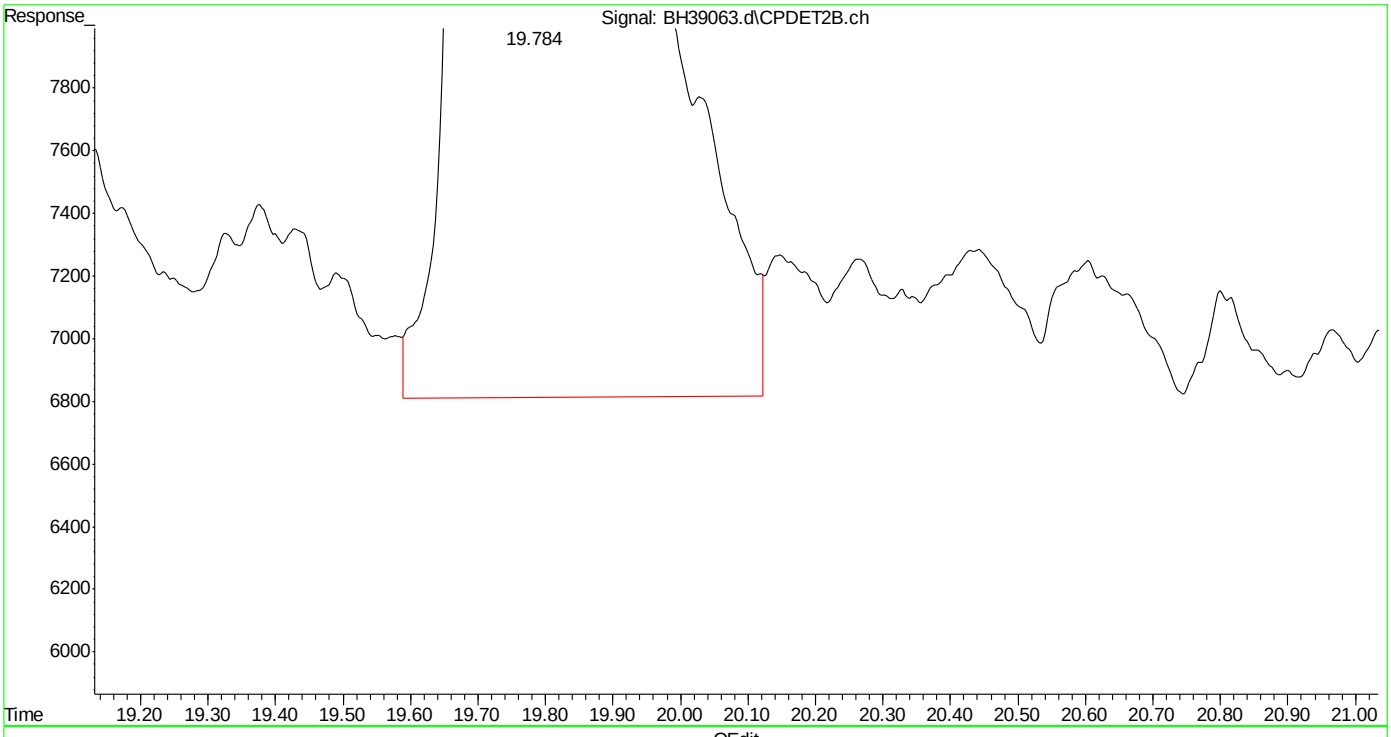
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:24 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.785min 50.253 ppb
response 11781153

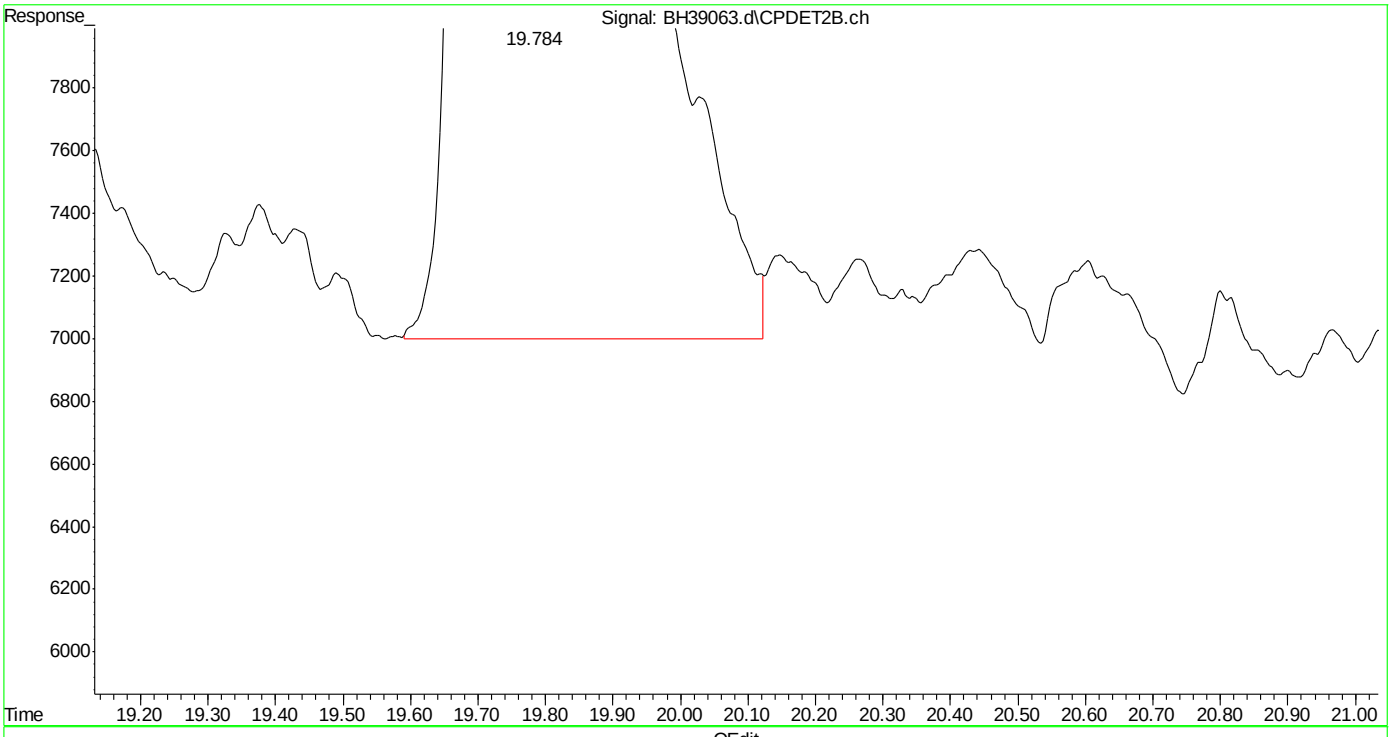
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:31 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 50.002 ppb m
response 11722343

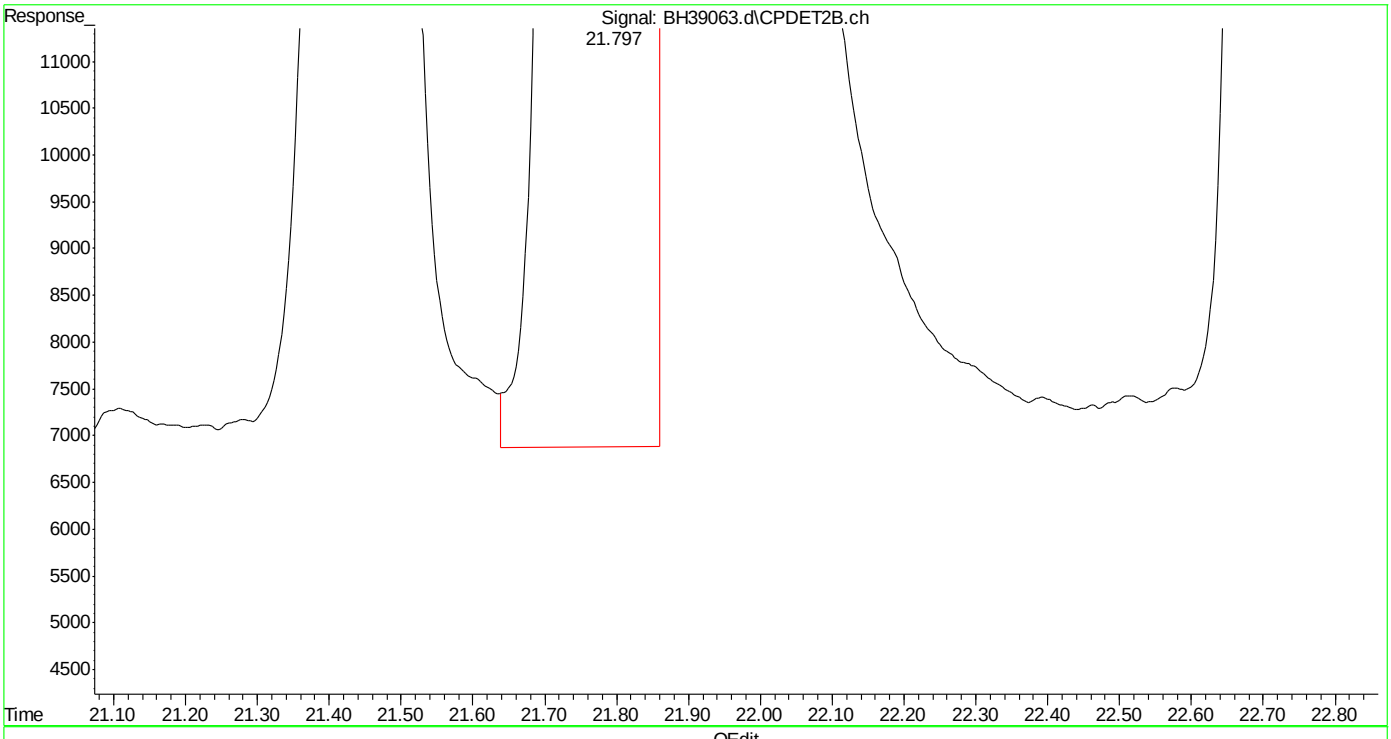
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:39 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.799min 50.028 ppb
response 25924513

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:48 2016

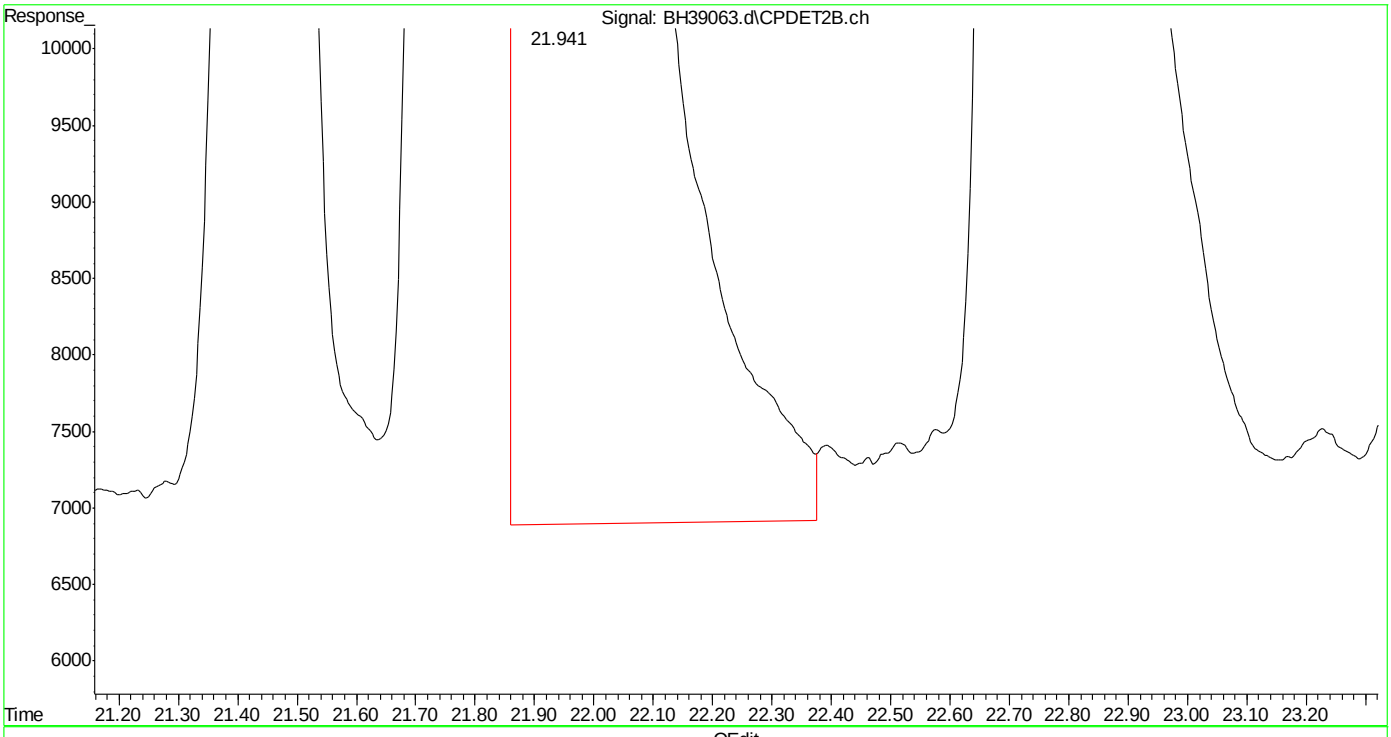
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 99.977 ppb
response 63774497

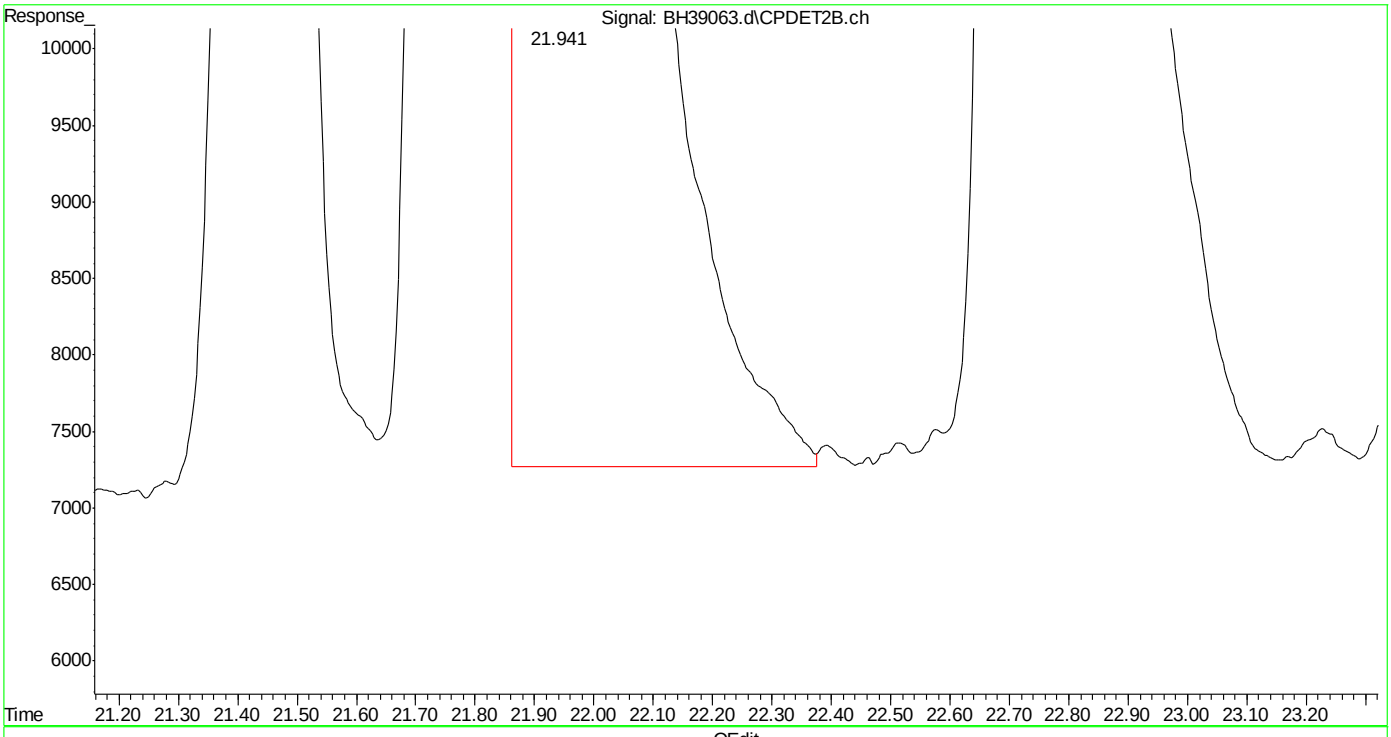
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:21:28 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.941min 99.388 ppb m
response 63398610

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:21:39 2016 Page: 1

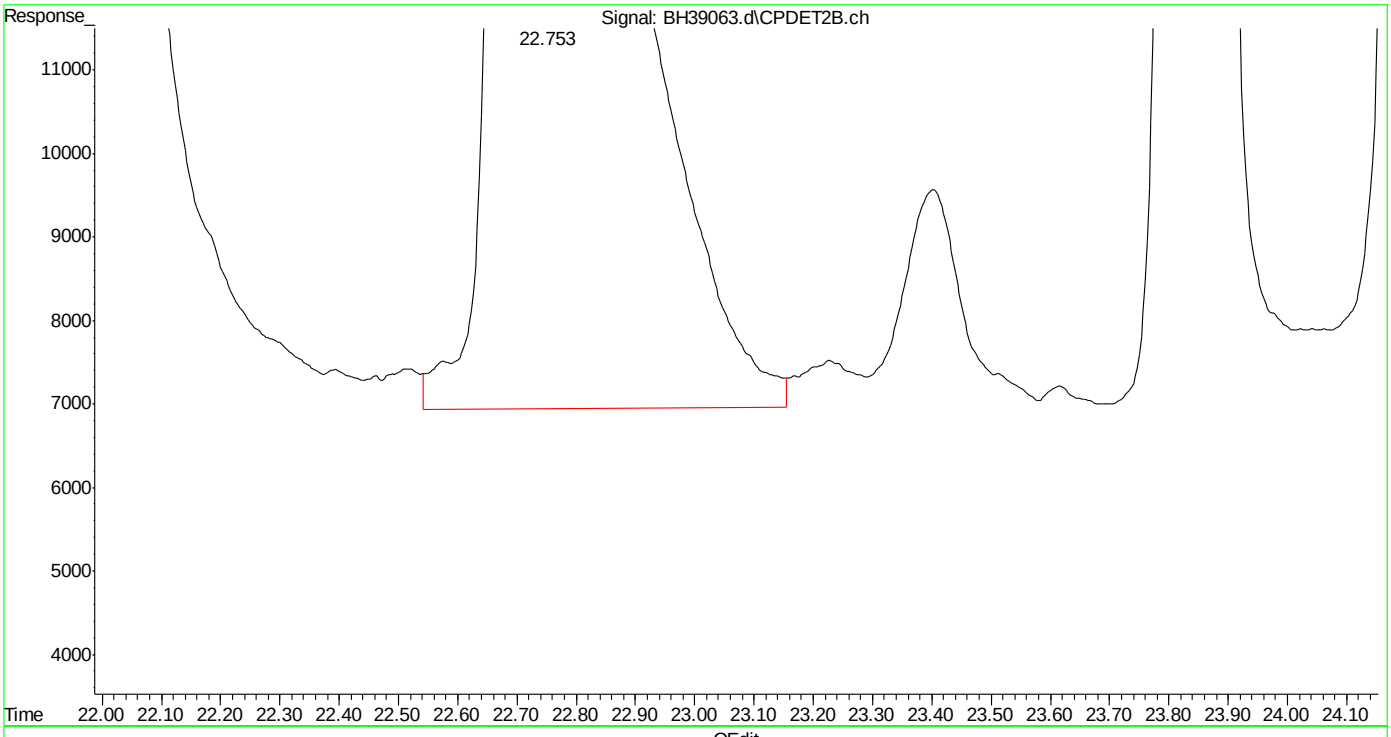
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.754min 50.244 ppb
response 27318522

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:21:46 2016

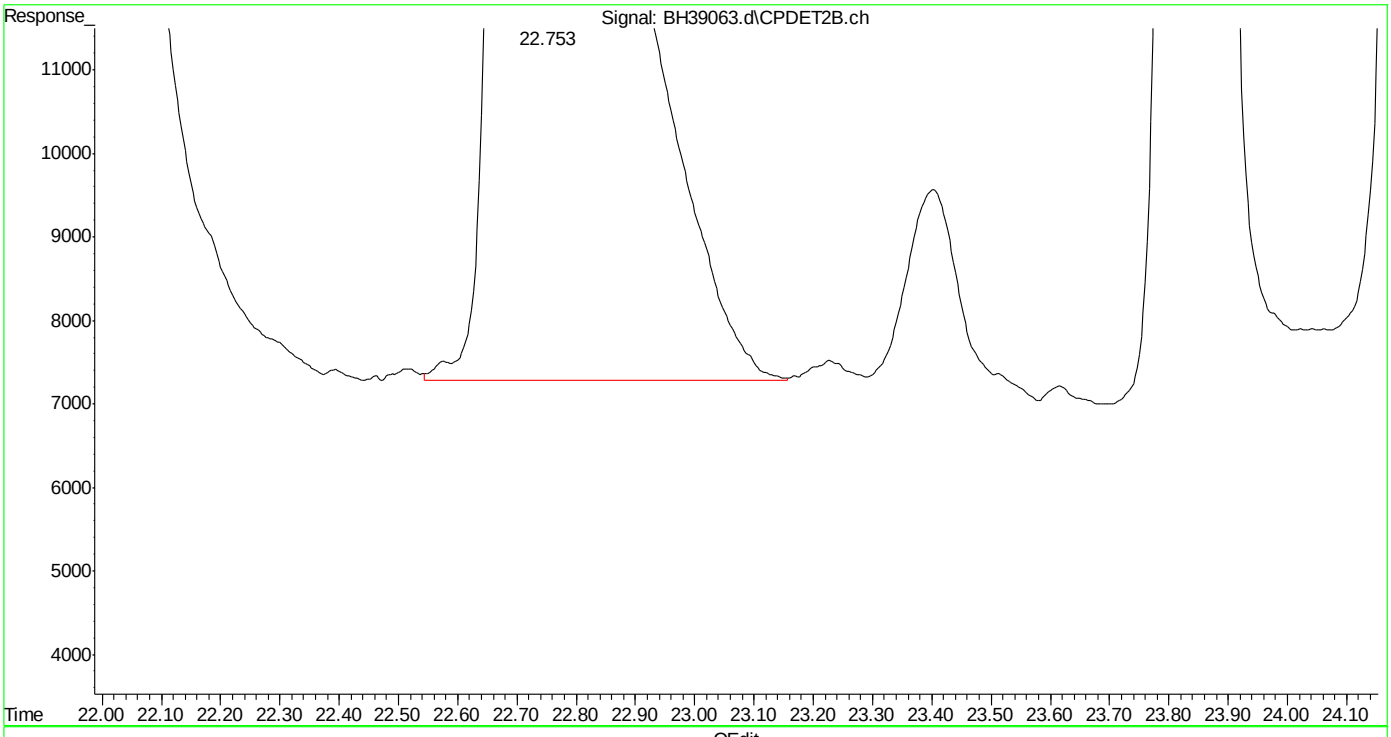
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 50.018 ppb m
response 27195655

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:21:54 2016

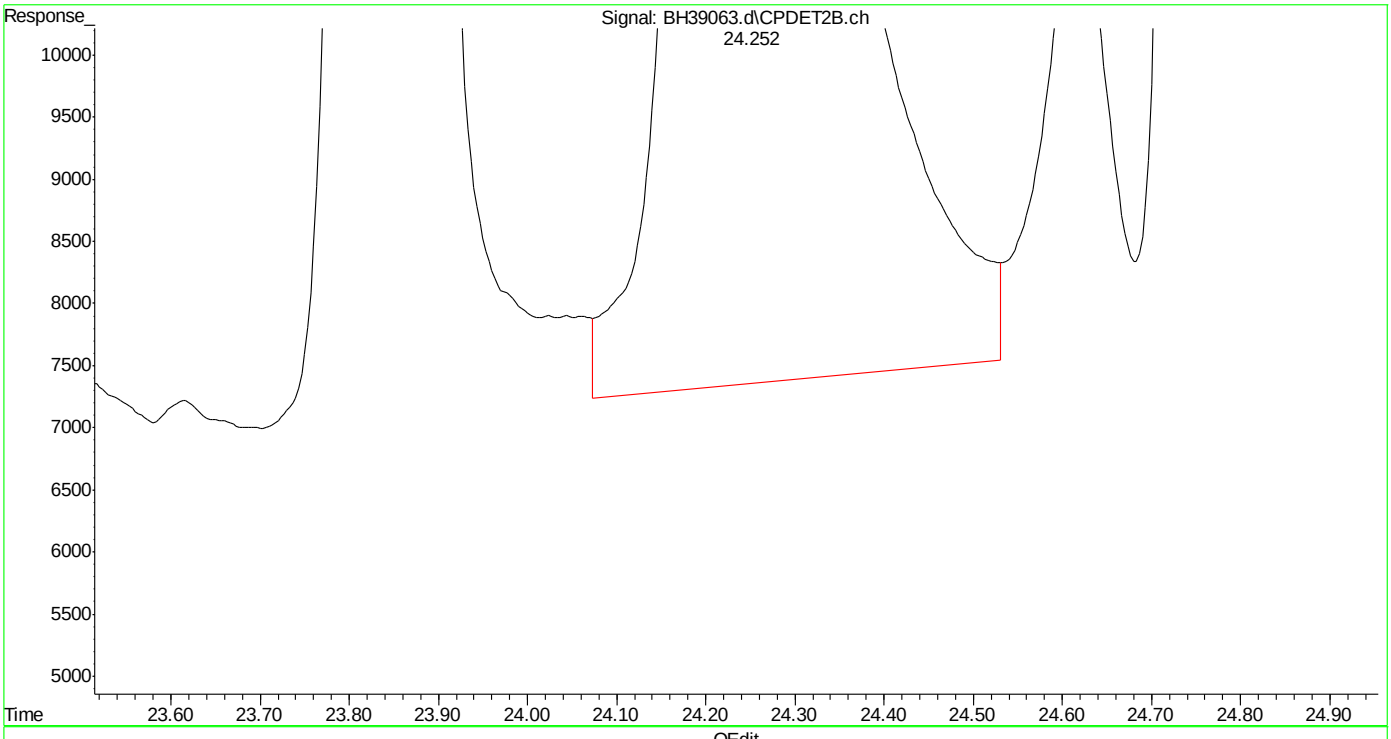
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.253min 49.862 ppb
response 39699525

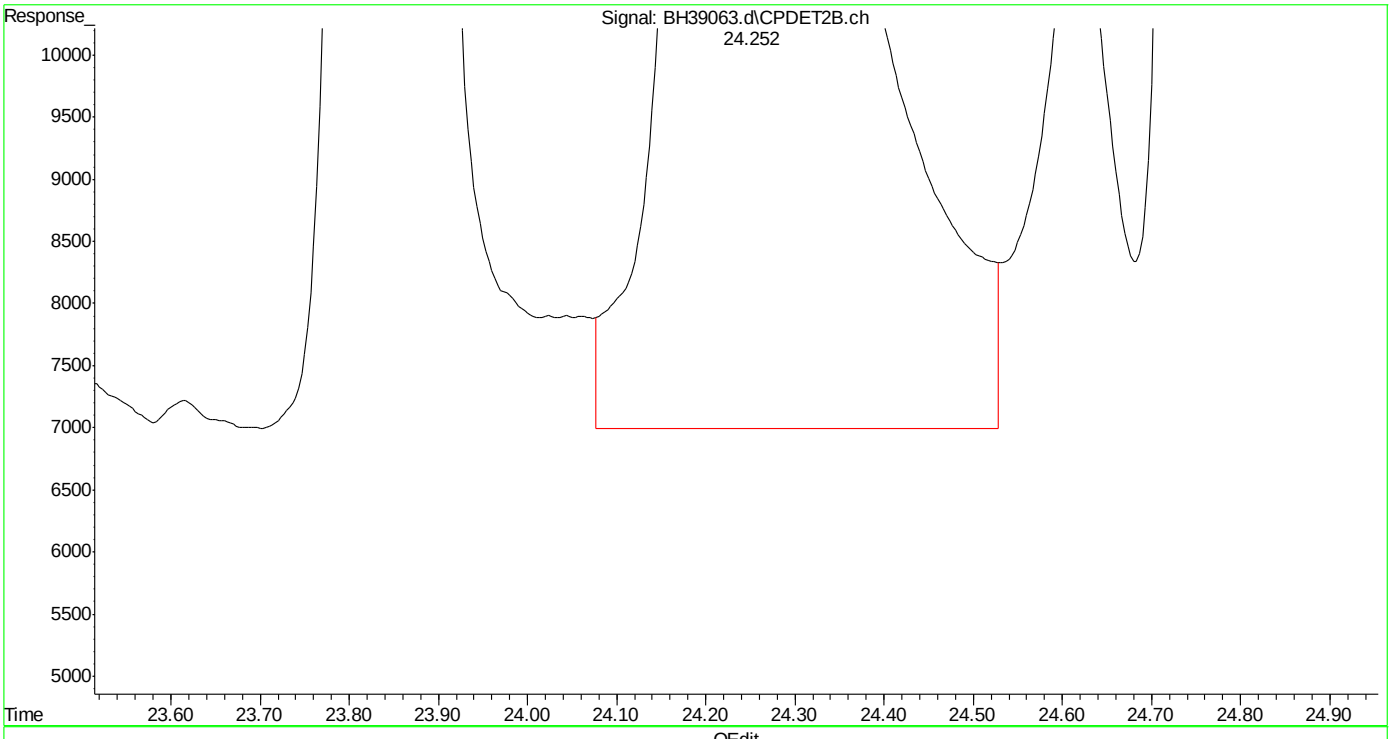
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.252min 49.995 ppb m
response 39805434

(+) = Expected Retention Time

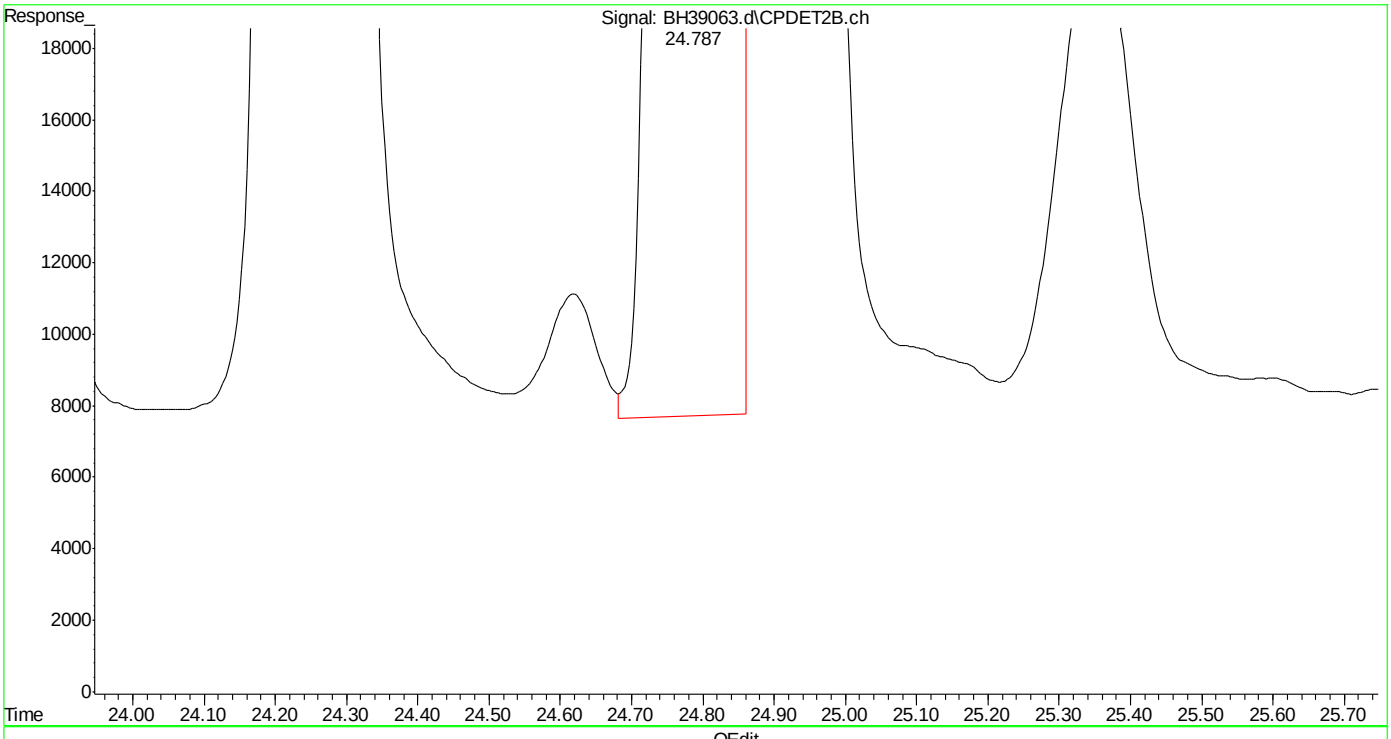
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 50.230 ppb
response 30241030

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:22:19 2016

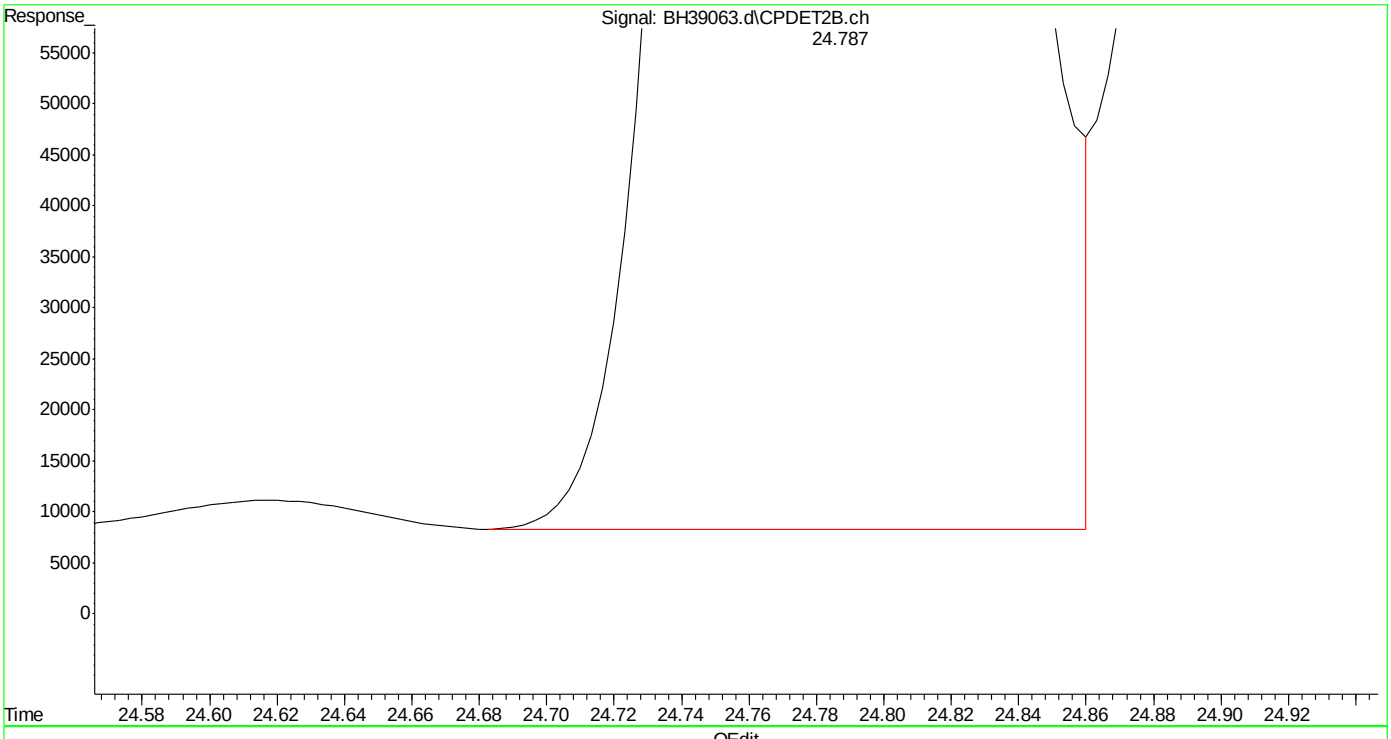
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.787min 50.004 ppb m
response 30104795

(+) = Expected Retention Time

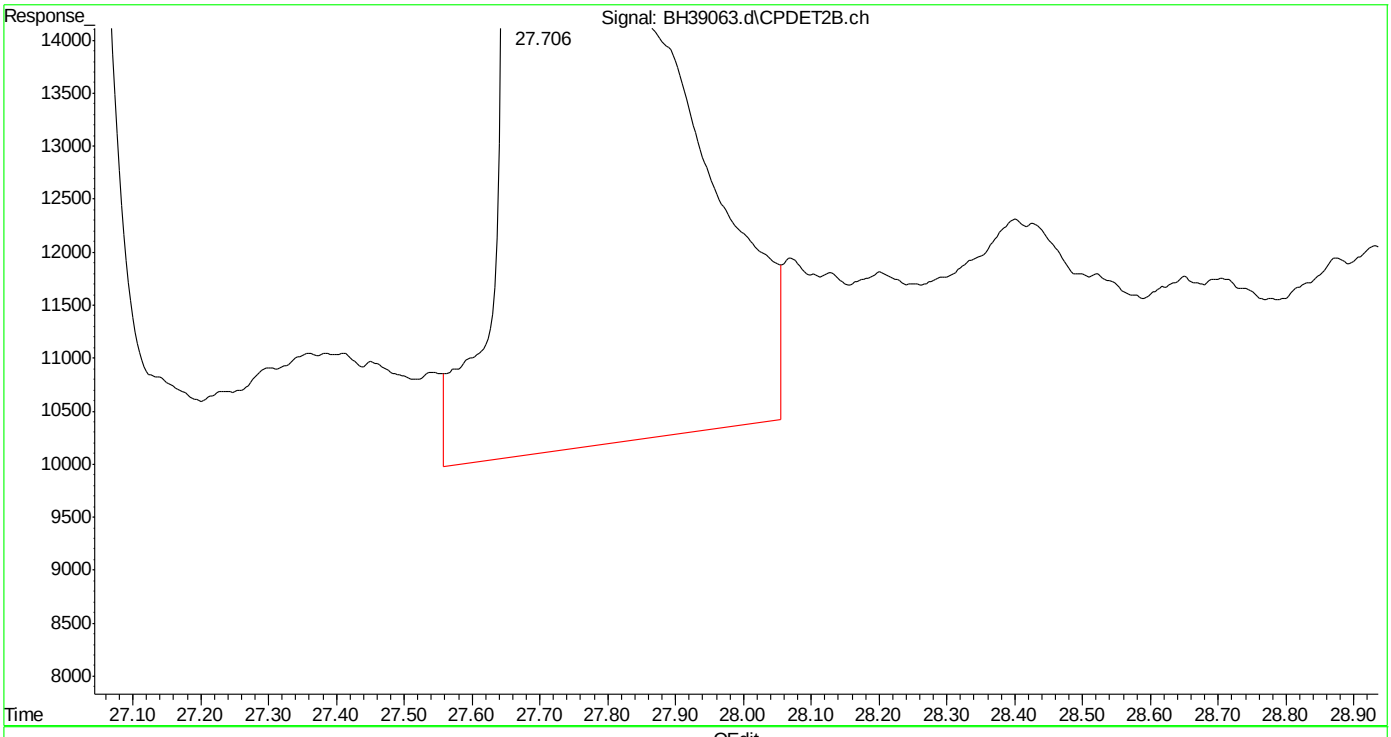
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 50.469 ppb
response 26949962

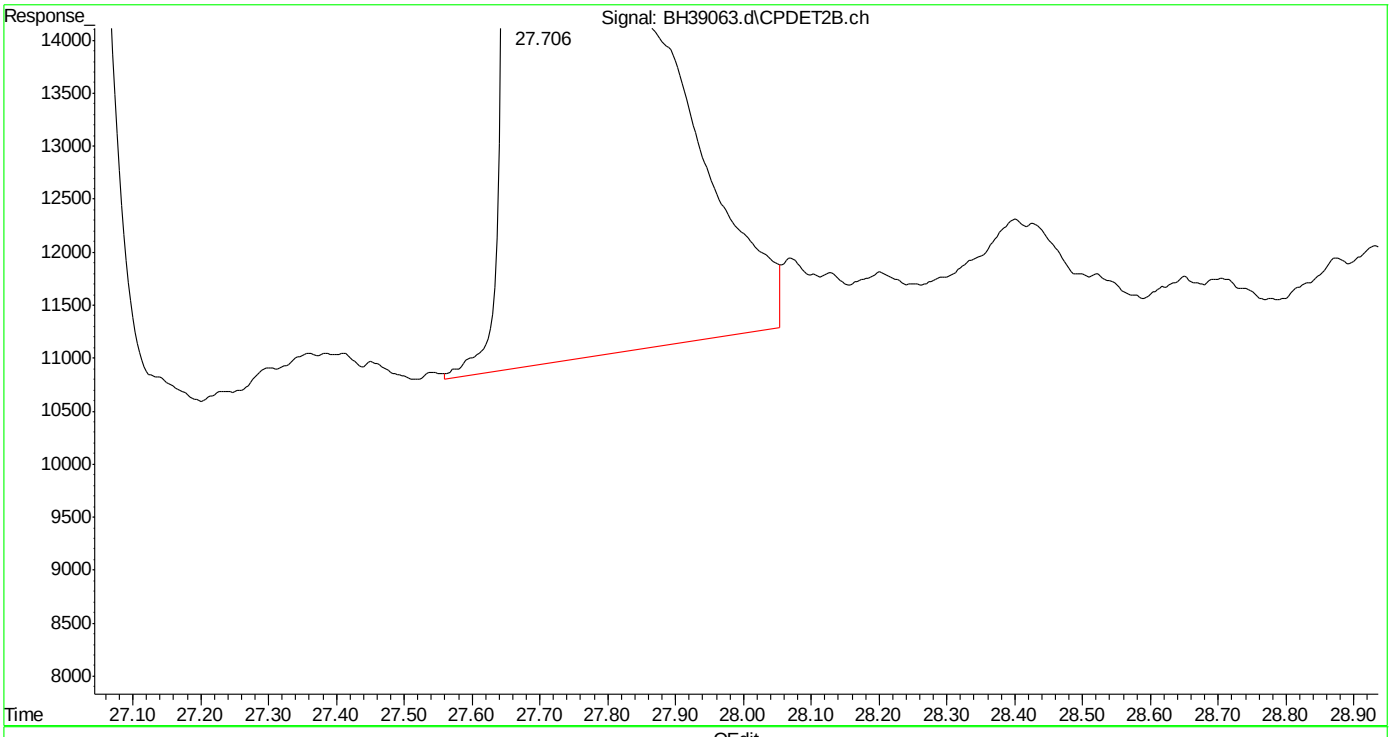
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:22:47 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.706min 49.999 ppb m
response 26699144

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:23:11 2016 Page: 1

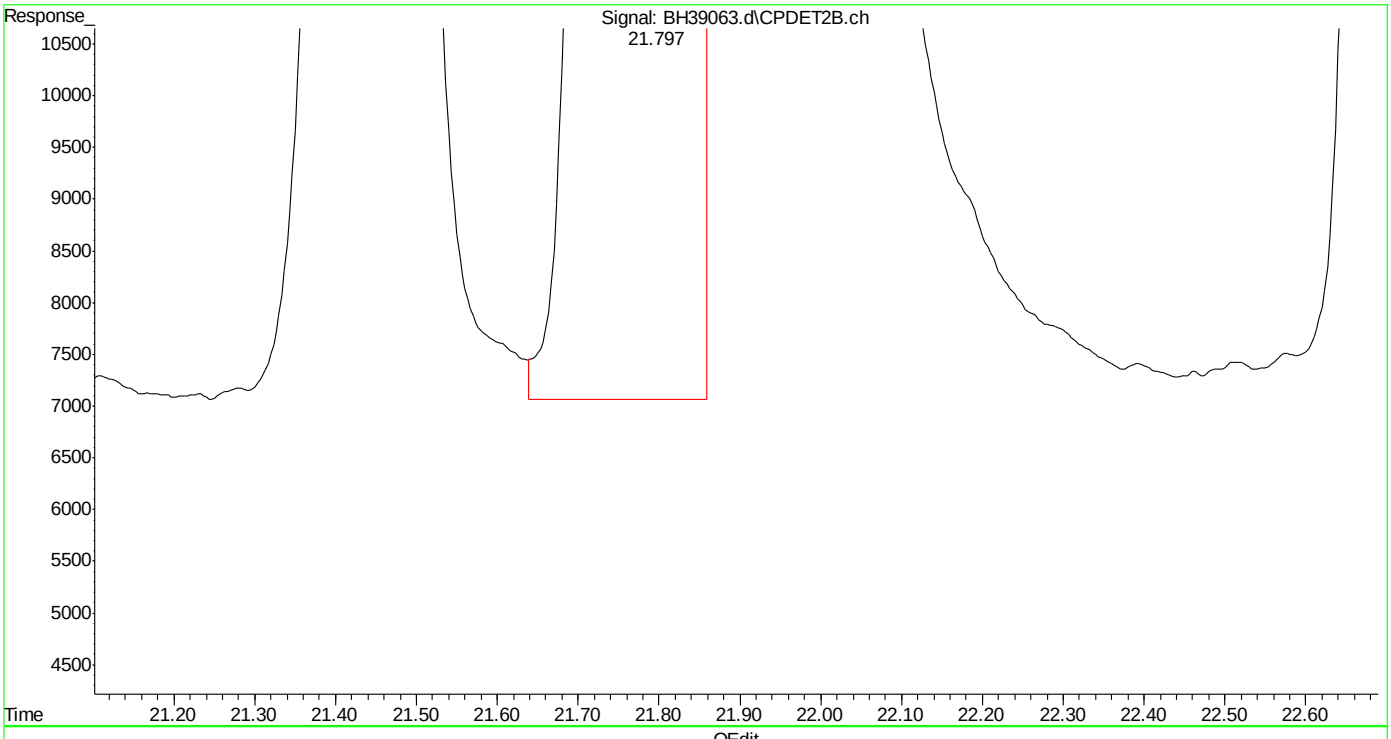
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:23:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.797min 49.854 ppb m
response 25834701

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:37:03 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
6) s fluorobenzene	14.670	9818624	10.994 ppb	m
Spiked Amount 50.000		Recovery =	21.99%	
9) s 2,3,4-trifluorotoluene	19.783	8236074	11.140 ppb	m
Spiked Amount 50.000		Recovery =	22.28%	
25) s fluorobenzene #2	14.670	4240734	10.829 ppb	m
Spiked Amount 50.000		Recovery =	21.66%	
27) s 2,3,4-trifluorotoluen...	19.784	2534967	10.813 ppb	m
Spiked Amount 50.000		Recovery =	21.63%	
Target Compounds				
1) h rt5.5-7	5.980	9581328	11.306 ppb	m
2) h rt7/10	8.250	10531625	11.149 ppb	m
3) t mtbe	9.010	6423291	10.767 ppb	m
4) h rt10/13	13.360	12363230	11.206 ppb	m
5) t benzene	14.167	12406302	10.959 ppb	m
8) t toluene	18.664	12421737	10.974 ppb	m
11) h rt20/25	21.460	11134229	11.213 ppb	m
13) t ethylbenzene	21.798	12163498	10.840 ppb	m
14) t m,p-xylene	21.942	25572956	21.739 ppb	m
15) t o-xylene	22.753	13053689	11.017 ppb	m
16) h decane	23.856	11243264	11.199 ppb	m
17) t 1,3,5-trimethylbenzene	24.253	13523826	10.819 ppb	
18) t 1,2,4-trimethylbenzene	24.788	13738220	11.091 ppb	m
19) h butylcyclohexane	24.940	12162000	10.945 ppb	m
20) t naphthalene	27.707	8733820	11.069 ppb	m
23) t mtbe #2	9.017	3033740	10.849 ppb	m
24) t benzene #2	14.168	6815412	10.950 ppb	m
26) t toluene #2	18.664	6393156	10.971 ppb	m
28) t ethylbenzene #2	21.798	5628408	10.893 ppb	m
29) t m,p-xylene #2	21.941	13891872	21.912 ppb	m
30) t o-xylene #2	22.753	6067007	11.154 ppb	m
31) t 1,3,5-trimethylbenzen...	24.252	8567921	10.762 ppb	m
32) t 1,2,4-trimethylbenzen...	24.787	6615296	10.987 ppb	m
33) t naphthalene #2	27.707	6062976	11.354 ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	6573216	10.864 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

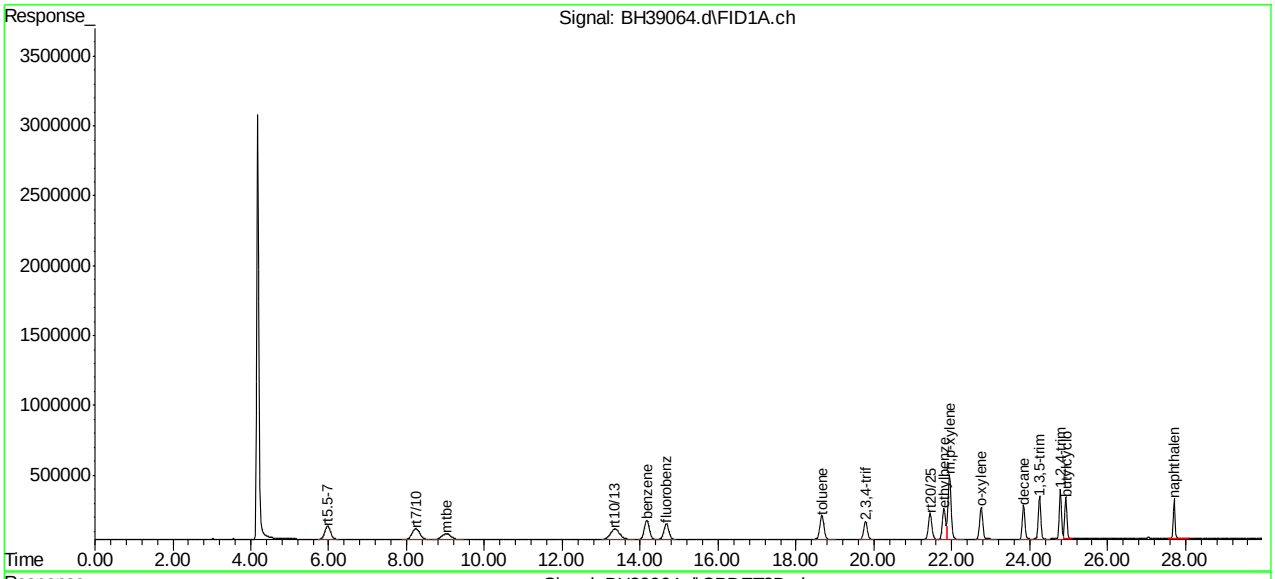
SGS ACCUTEST MC45754

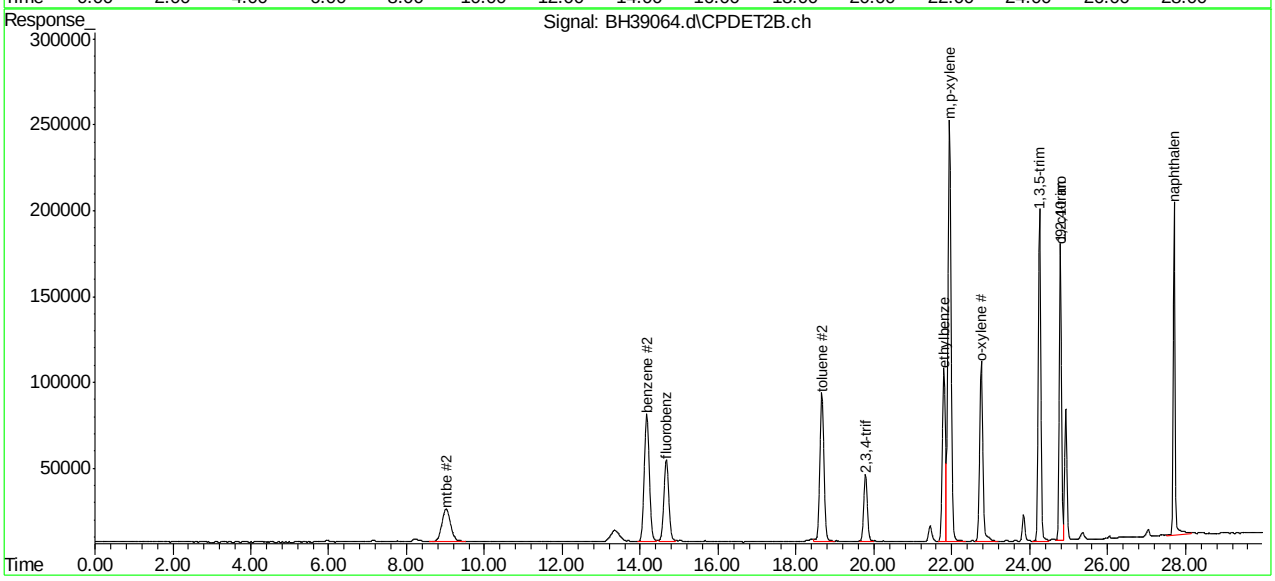
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

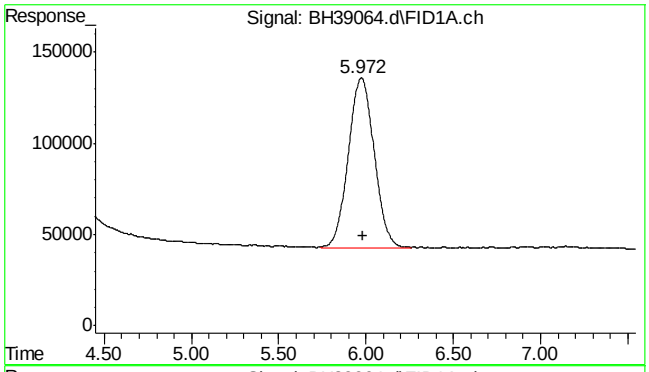
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:37:03 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



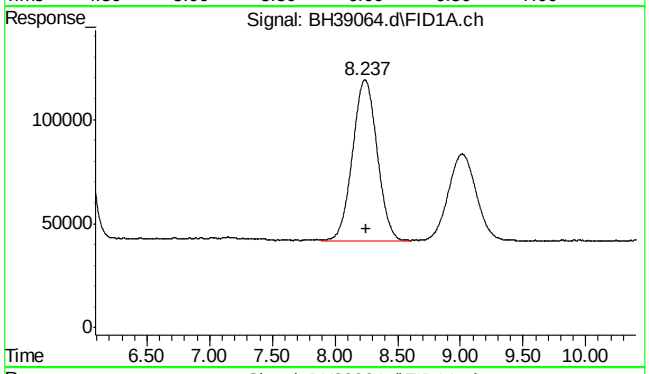


SGS ACCUTEST MC45754



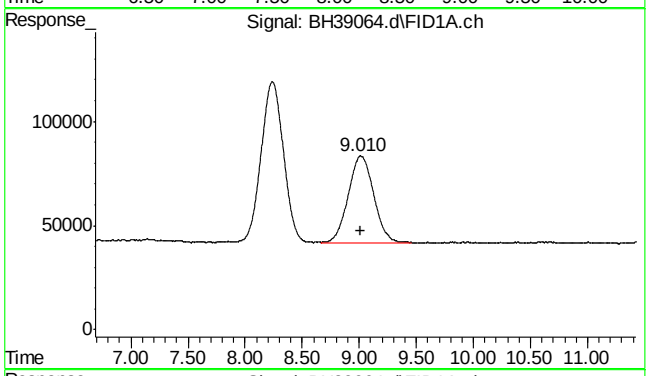
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 9581328
Conc: 11.31 ppb m



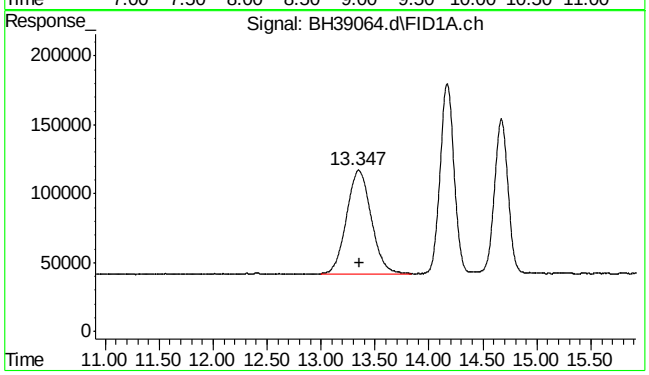
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 10531625
Conc: 11.15 ppb m



#3 mtbe

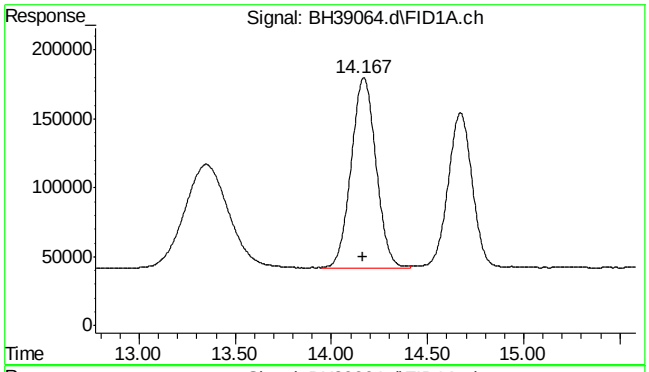
R.T.: 9.010 min
Delta R.T.: -0.003 min
Response: 6423291
Conc: 10.77 ppb m



#4 rt10/13

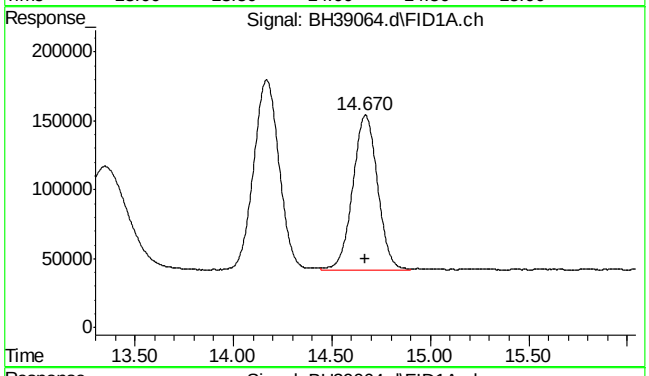
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 12363230
Conc: 11.21 ppb m

SGS ACCUTEST MC45754



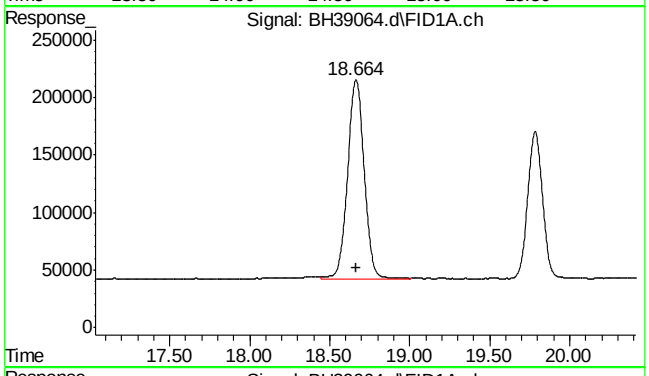
#5 benzene

R.T.: 14.167 min
Delta R.T.: 0.001 min
Response: 12406302
Conc: 10.96 ppb m



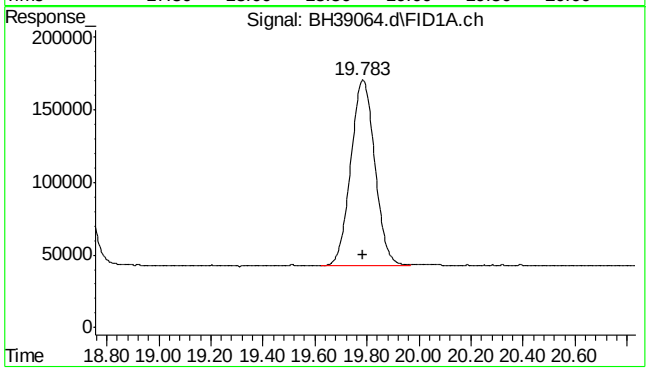
#6 fluorobenzene

R.T.: 14.670 min
Delta R.T.: 0.000 min
Response: 9818624
Conc: 10.99 ppb m



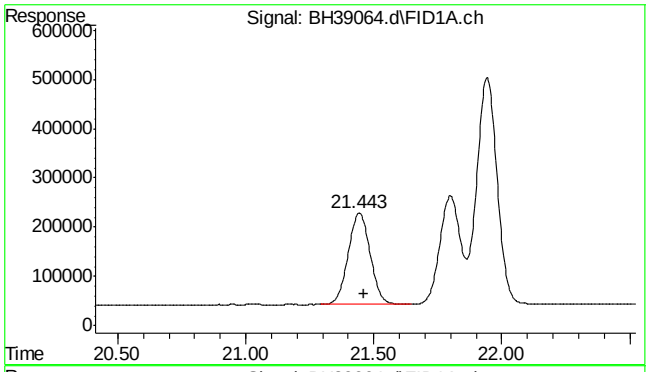
#8 toluene

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 12421737
Conc: 10.97 ppb m



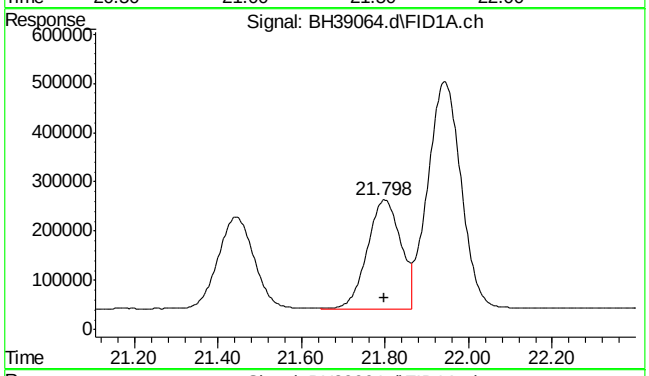
#9 2,3,4-trifluorotoluene

R.T.: 19.783 min
Delta R.T.: 0.000 min
Response: 8236074
Conc: 11.14 ppb m



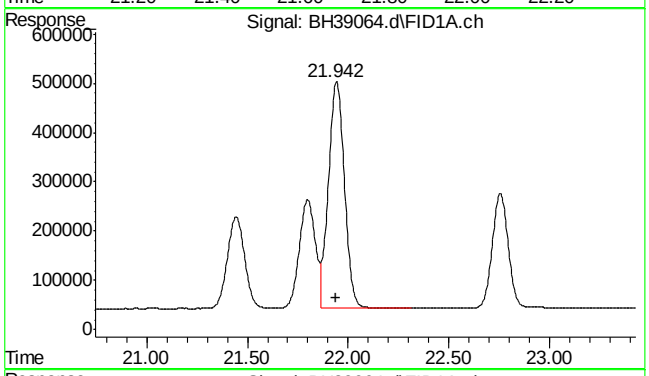
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 11134229
Conc: 11.21 ppb m



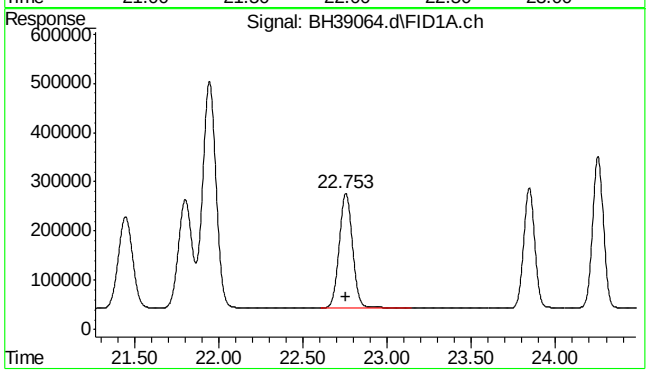
#13 ethylbenzene

R.T.: 21.798 min
Delta R.T.: 0.000 min
Response: 12163498
Conc: 10.84 ppb m



#14 m,p-xylene

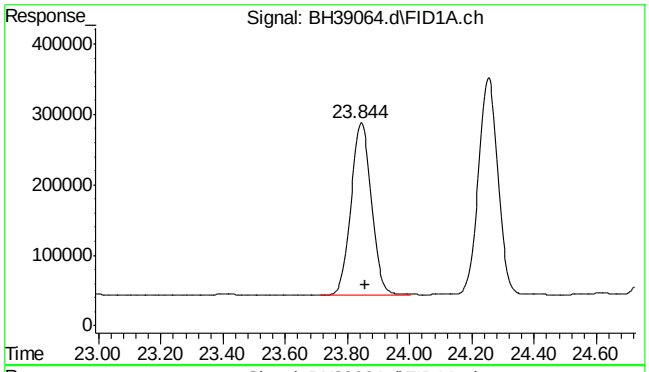
R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 25572956
Conc: 21.74 ppb m



#15 o-xylene

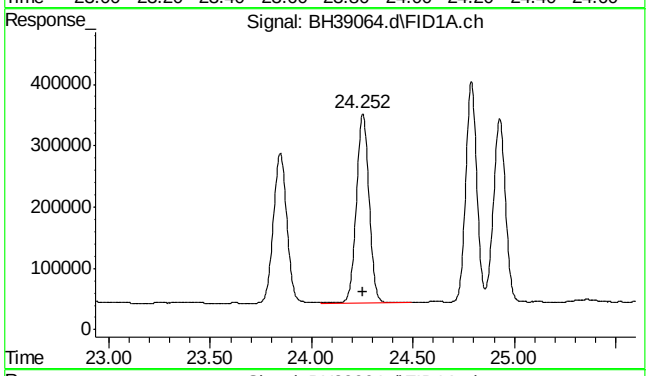
R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 13053689
Conc: 11.02 ppb m

SGS ACCUTEST MC45754



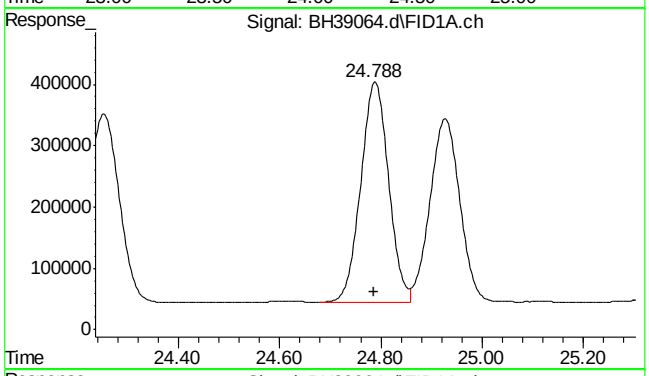
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 11243264
Conc: 11.20 ppb m



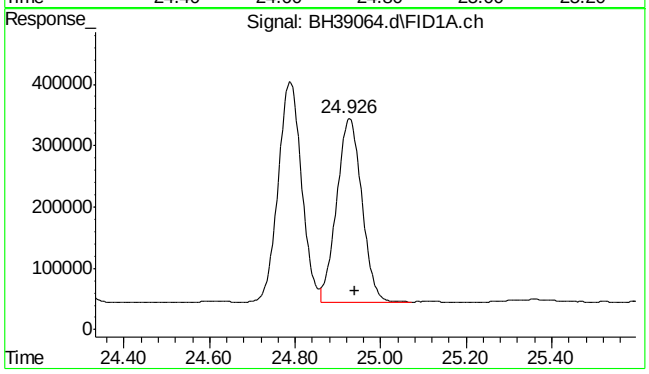
#17 1,3,5-trimethylbenzene

R.T.: 24.253 min
Delta R.T.: 0.001 min
Response: 13523826
Conc: 10.82 ppb



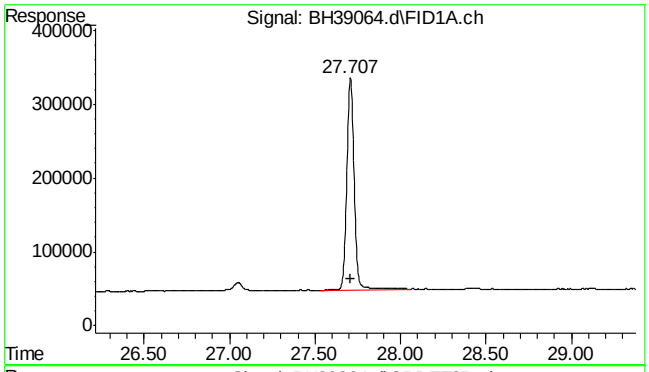
#18 1,2,4-trimethylbenzene

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 13738220
Conc: 11.09 ppb m



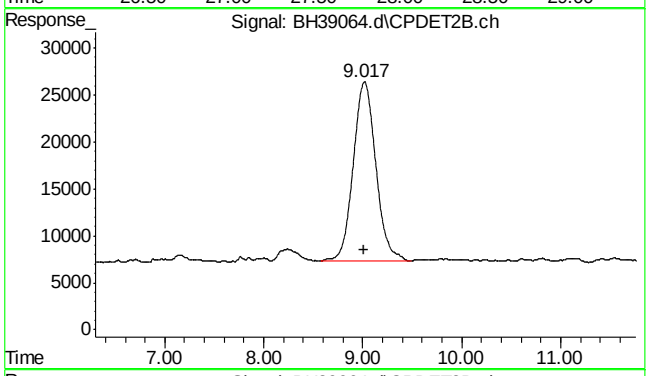
#19 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 12162000
Conc: 10.95 ppb m



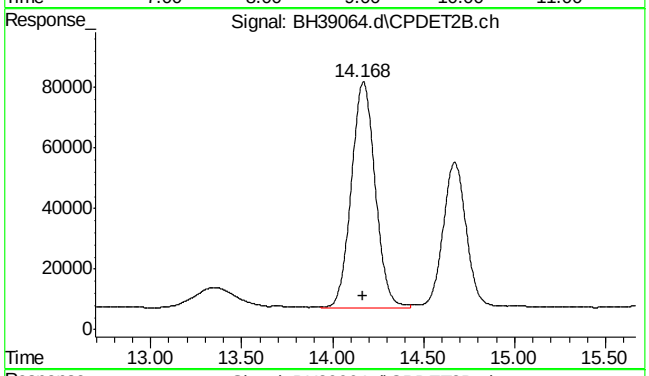
#20 naphthalene

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 8733820
Conc: 11.07 ppb m



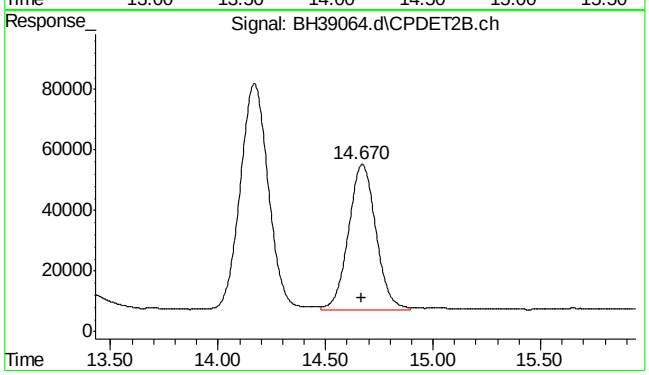
#23 mtbe #2

R.T.: 9.017 min
Delta R.T.: 0.004 min
Response: 3033740
Conc: 10.85 ppb m



#24 benzene #2

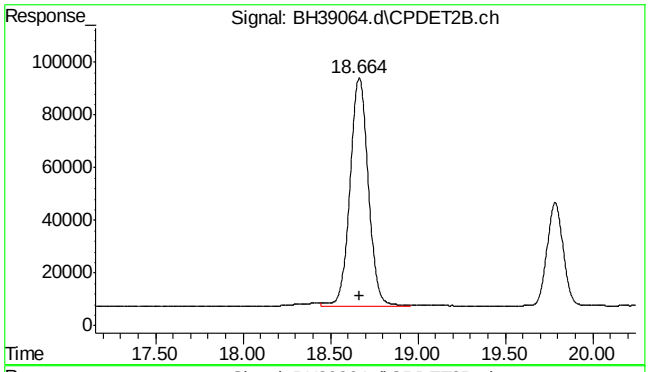
R.T.: 14.168 min
Delta R.T.: 0.001 min
Response: 6815412
Conc: 10.95 ppb m



#25 fluorobenzene #2

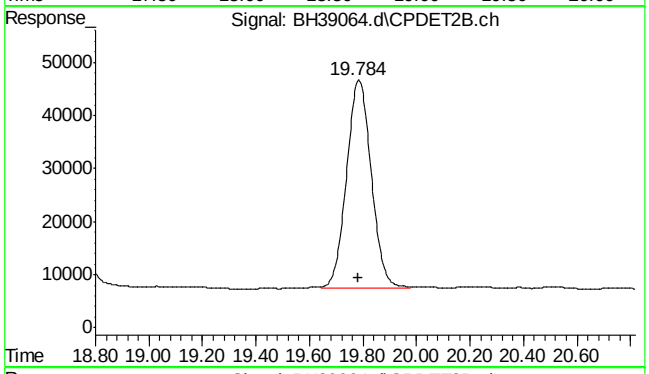
R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 4240734
Conc: 10.83 ppb m

SGS ACCUTEST MC45754



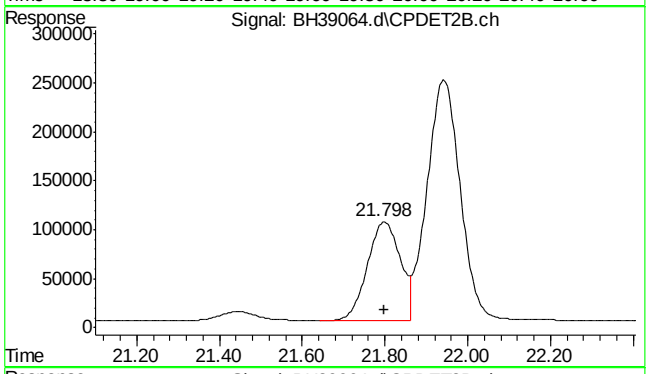
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 6393156
Conc: 10.97 ppb m



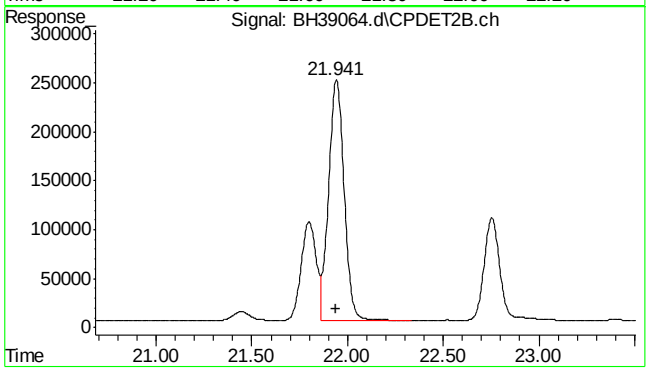
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 2534967
Conc: 10.81 ppb m



#28 ethylbenzene #2

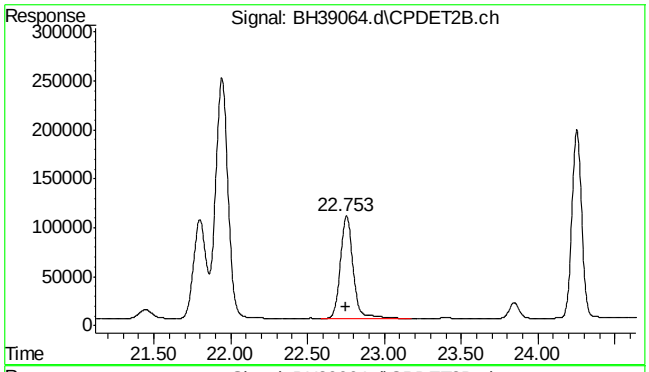
R.T.: 21.798 min
Delta R.T.: 0.000 min
Response: 5628408
Conc: 10.89 ppb m



#29 m,p-xylene #2

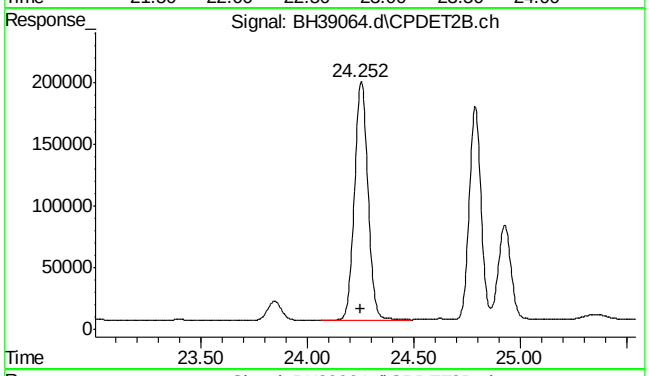
R.T.: 21.941 min
Delta R.T.: 0.000 min
Response: 13891872
Conc: 21.91 ppb m

SGS ACCUTEST MC45754



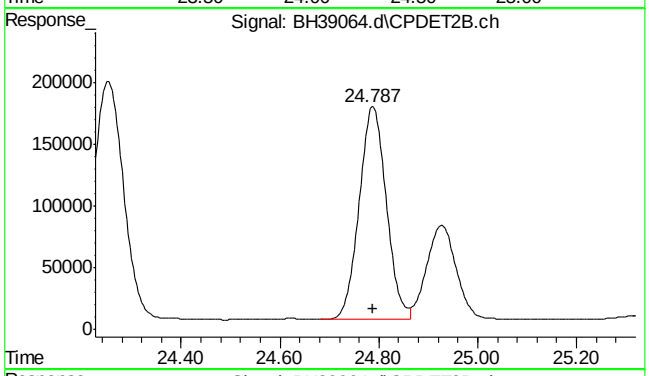
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 6067007
Conc: 11.15 ppb m



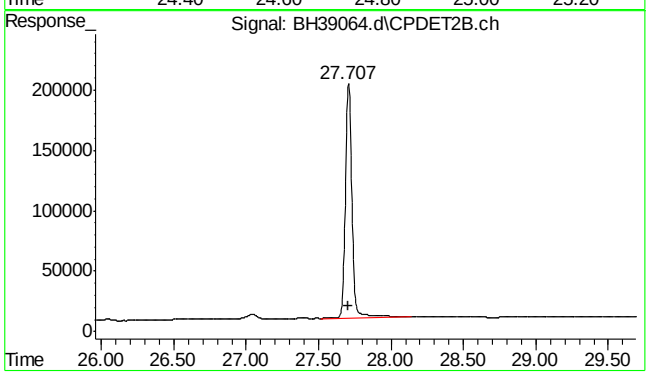
#31 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 8567921
Conc: 10.76 ppb m



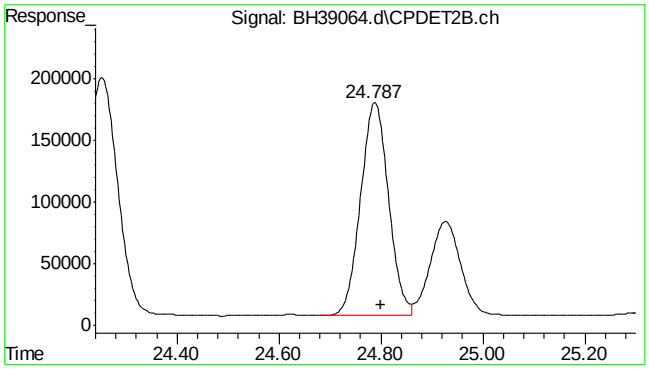
#32 1,2,4-trimethylbenzene #2

R.T.: 24.787 min
Delta R.T.: 0.000 min
Response: 6615296
Conc: 10.99 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 6062976
Conc: 11.35 ppb m



#34 c9-c10 arom as 1,2,4-tmb

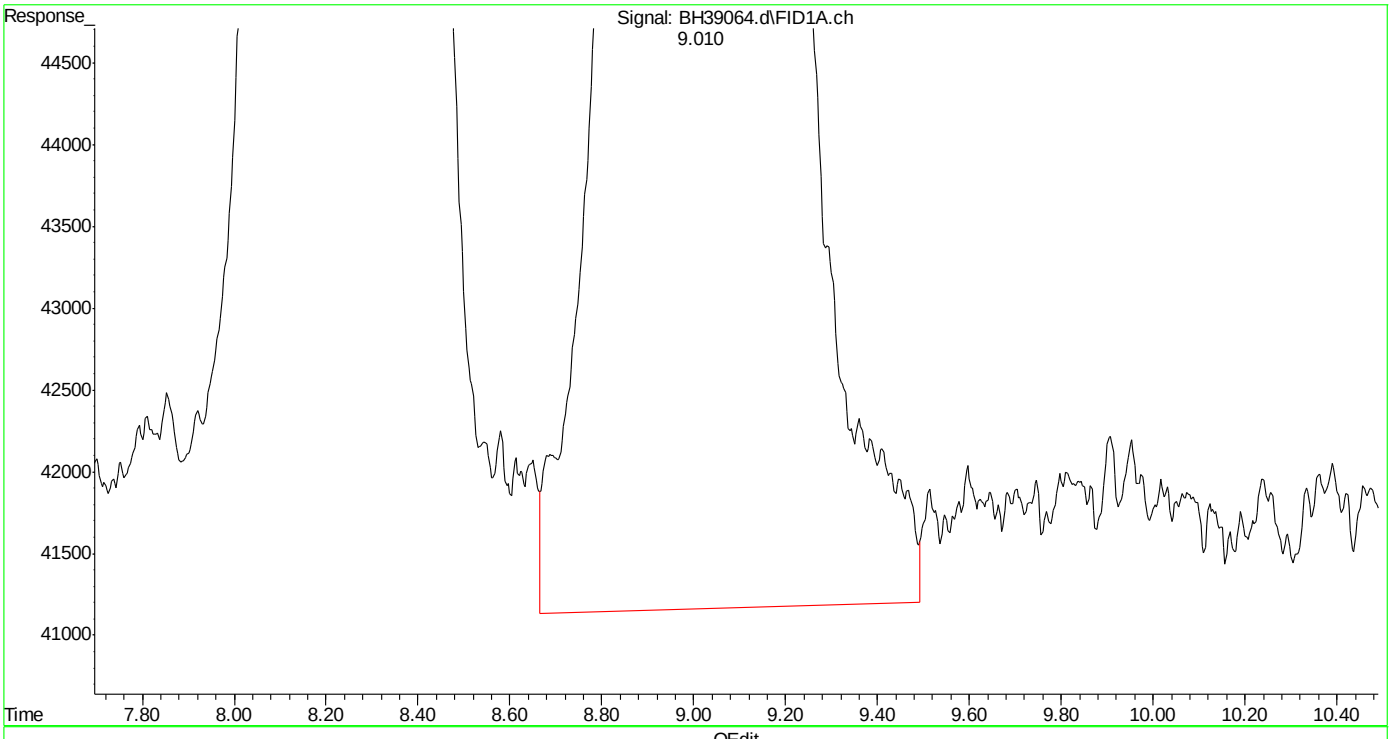
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 6573216
Conc: 10.86 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.013min 11.333 ppb
response 6760396

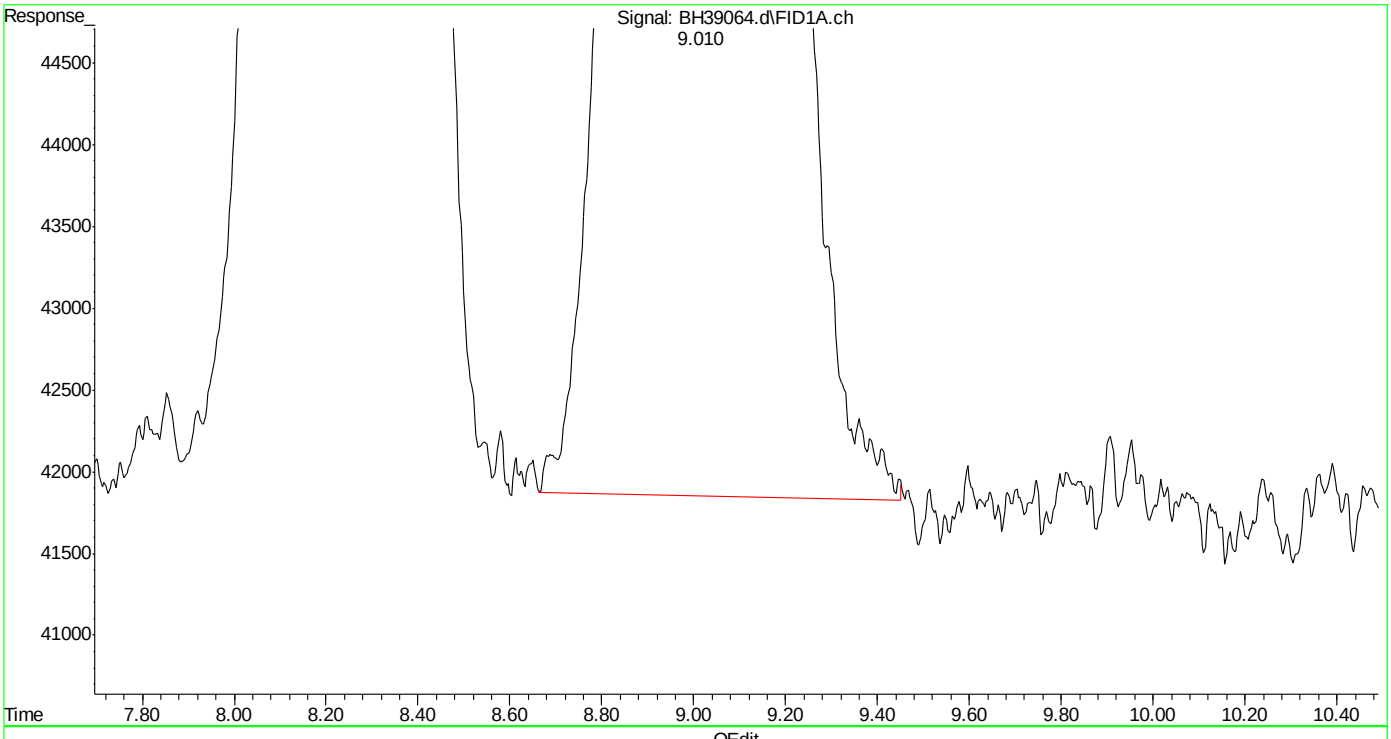
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:30:32 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.010min 10.767 ppb m
response 6423291

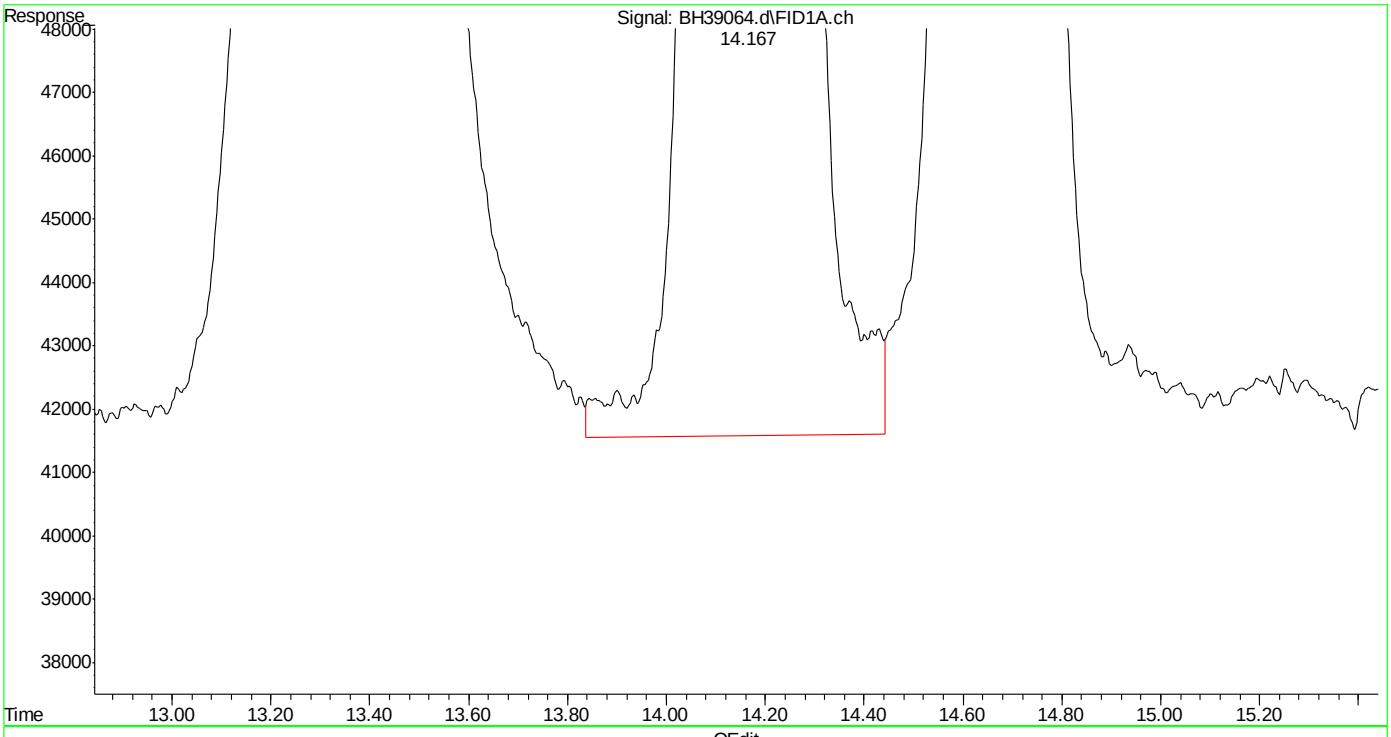
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:30:43 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.169min 11.120 ppb
response 12589346

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:30:54 2016 Page: 1

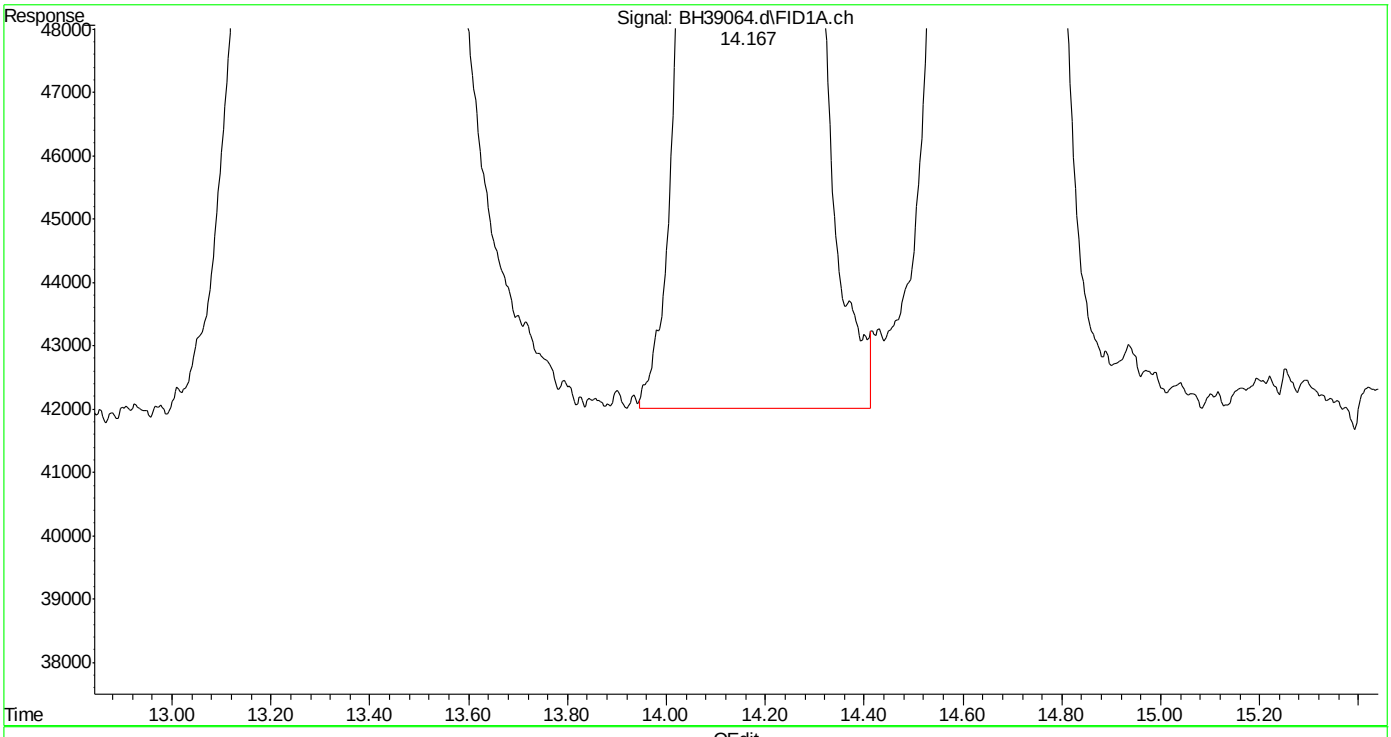
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.167min 10.959 ppb m
response 12406302

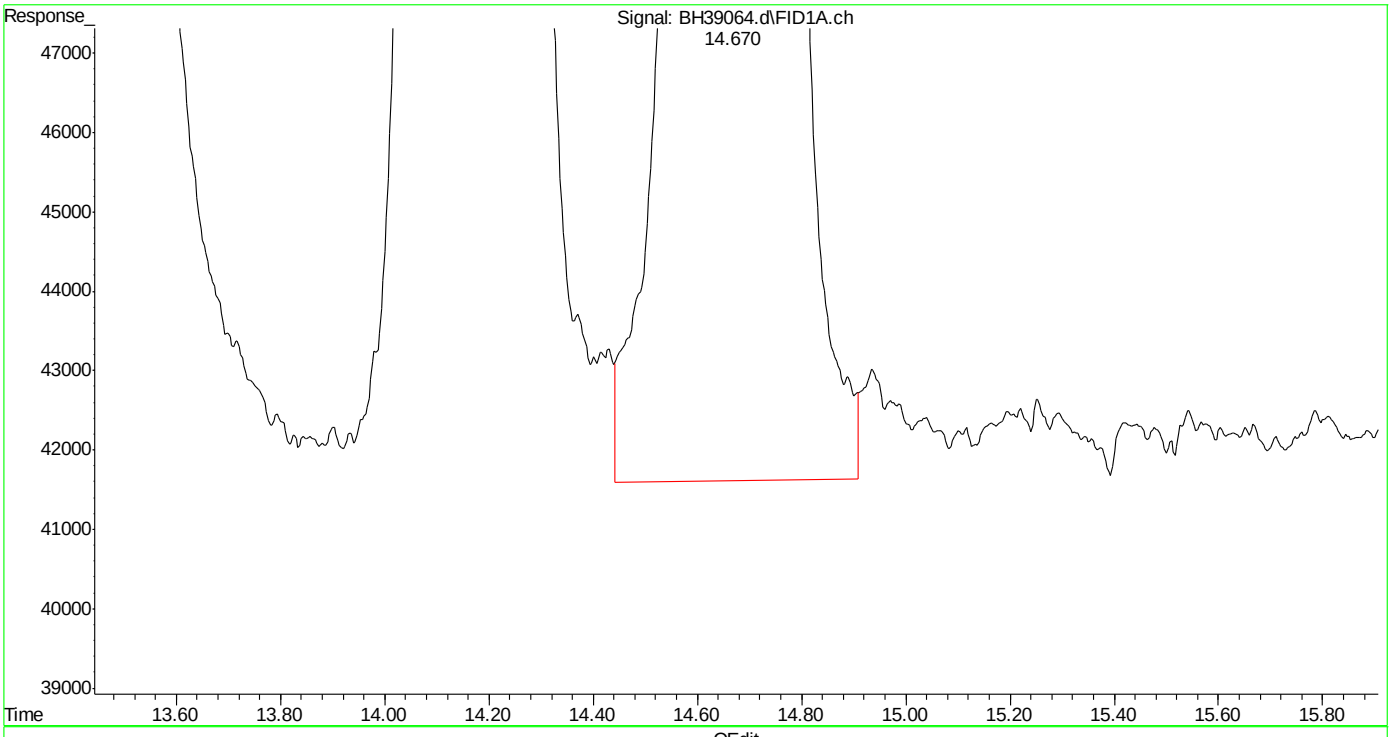
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:03 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.671min 11.125 ppb
response 9935535

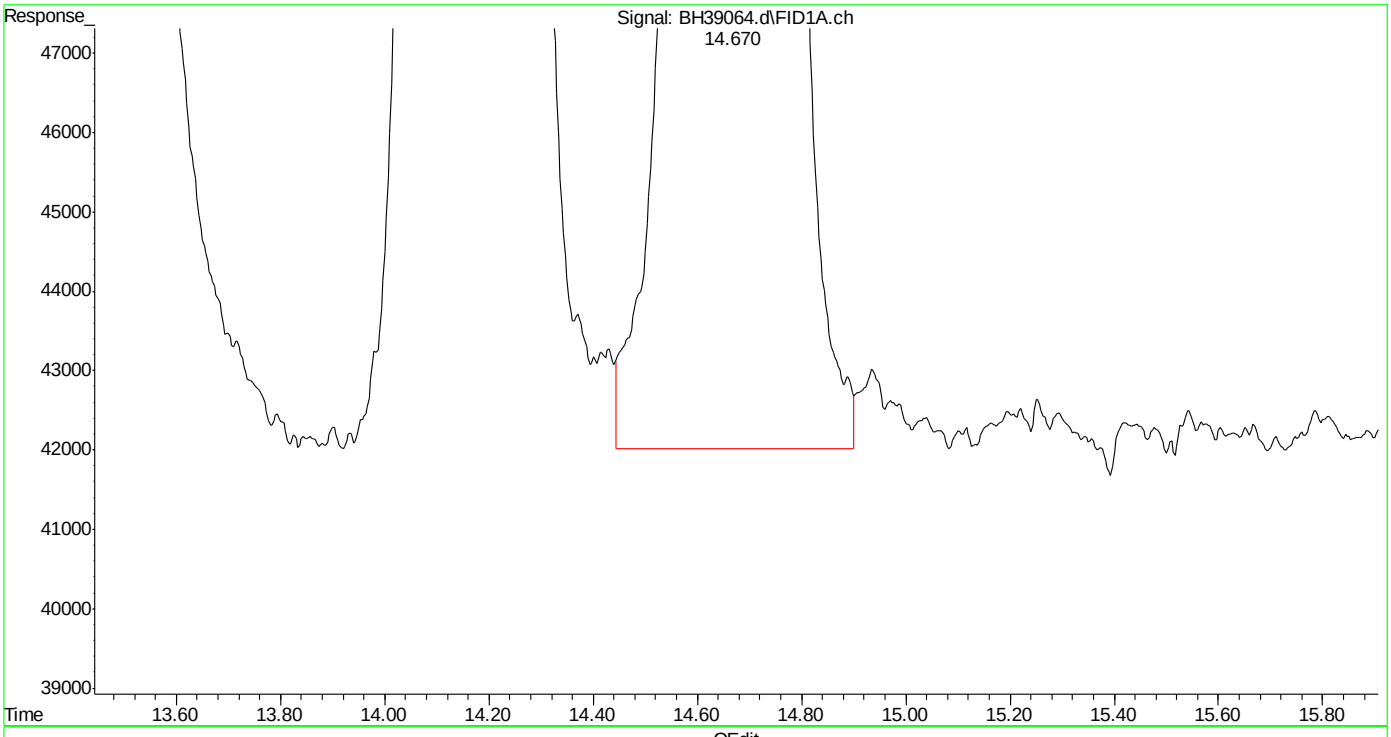
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:07 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.670min 10.994 ppb m
response 9818624

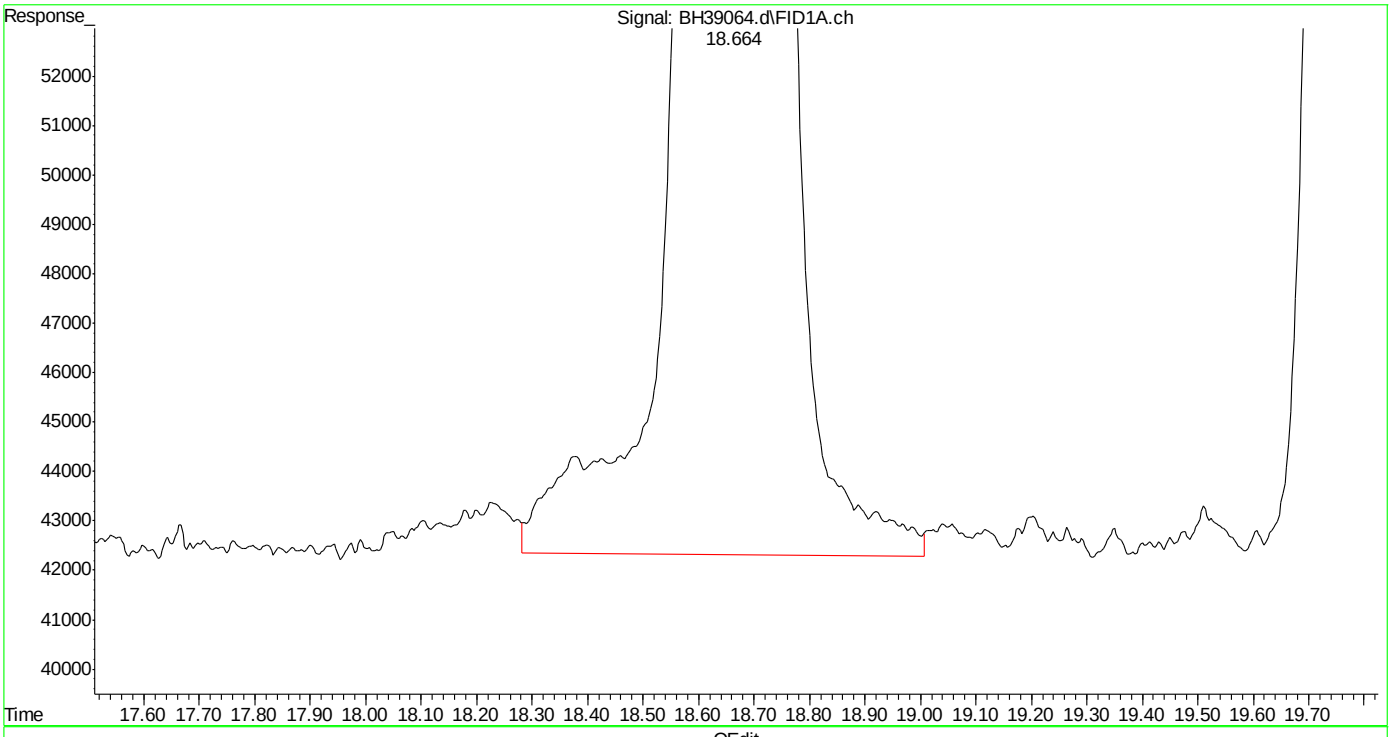
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:18 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.665min 11.207 ppb
response 12684894

(+) = Expected Retention Time

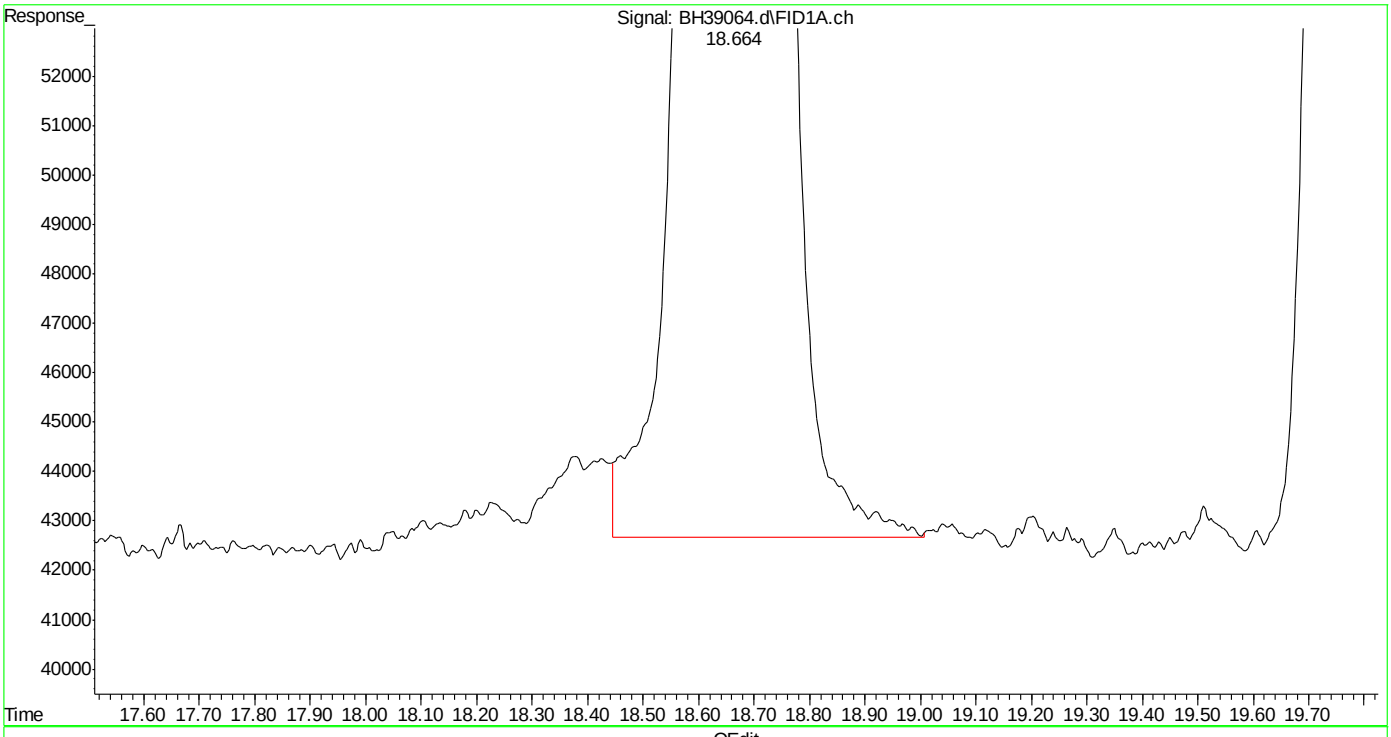
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.664min 10.974 ppb m
response 12421737

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:31 2016

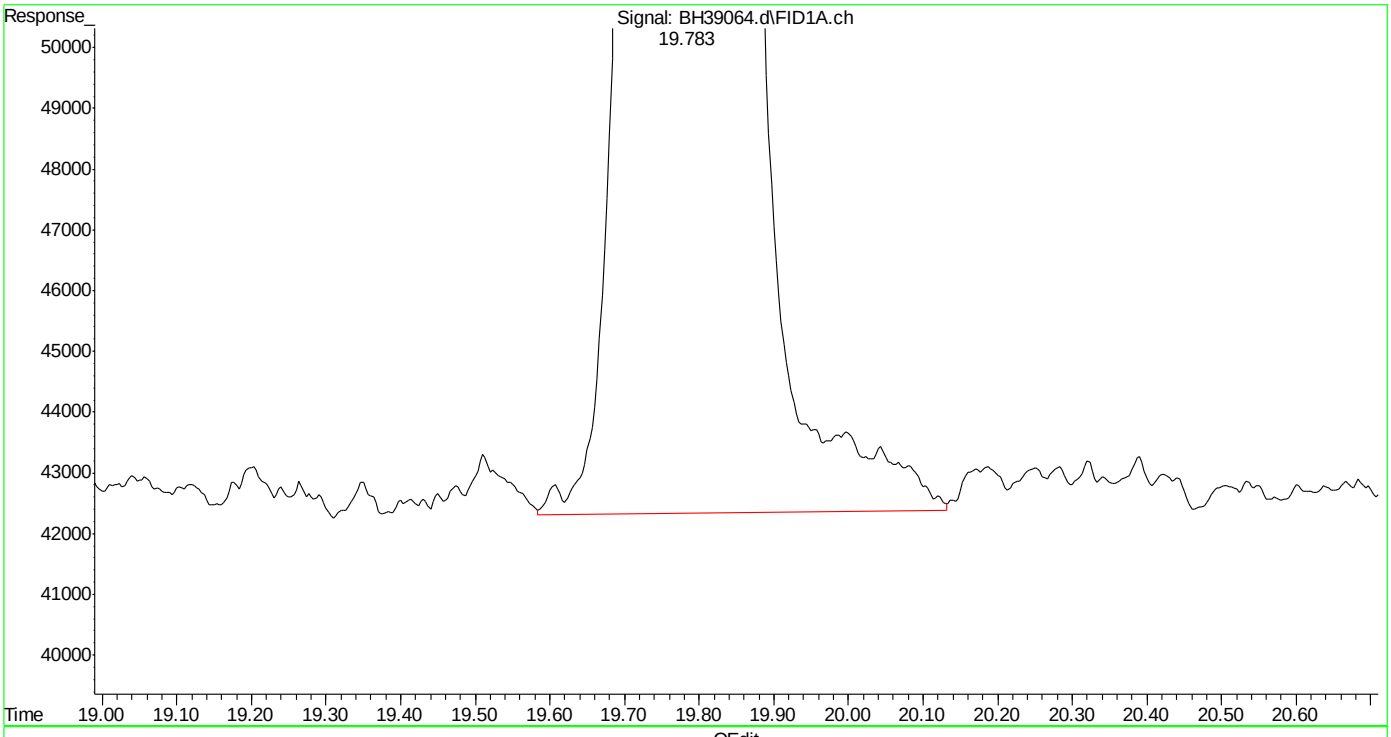
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.785min 11.297 ppb
response 8351733

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:36 2016 Page: 1

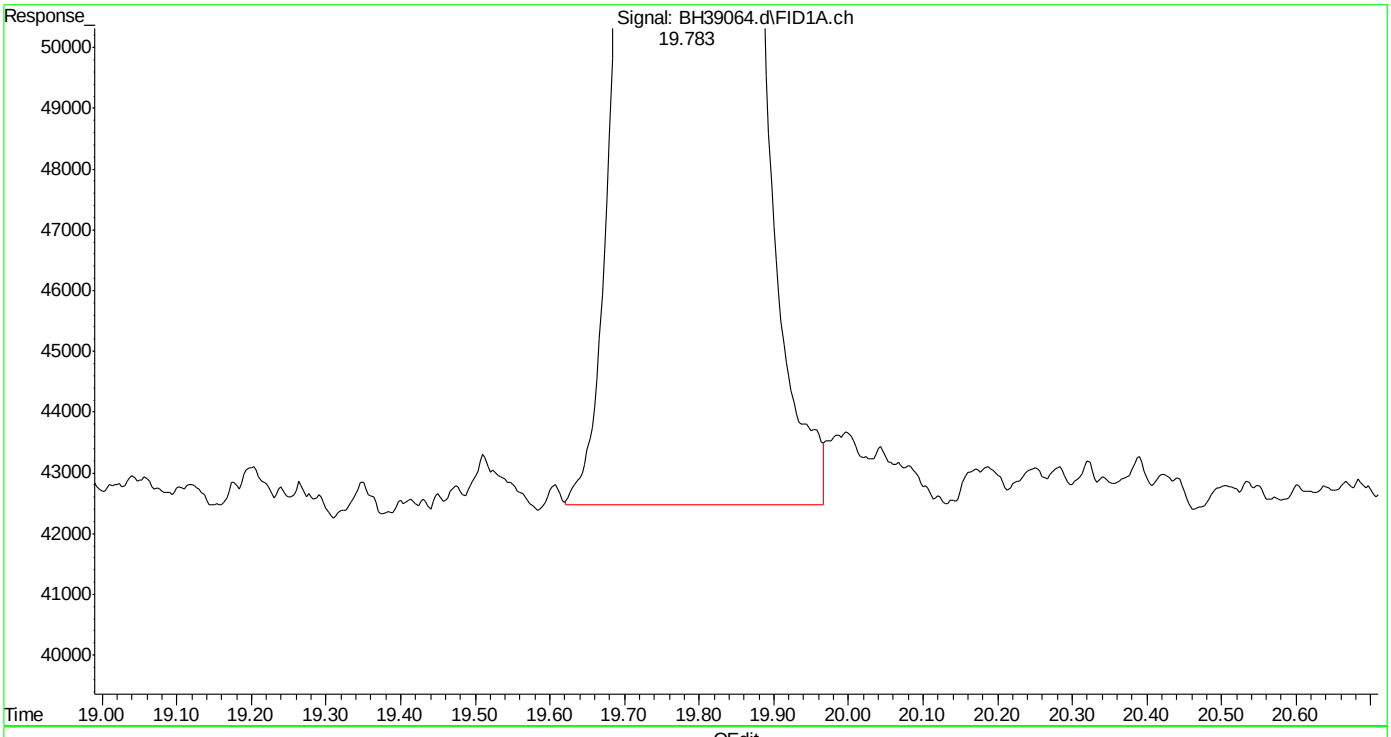
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.783min 11.140 ppb m
response 8236074

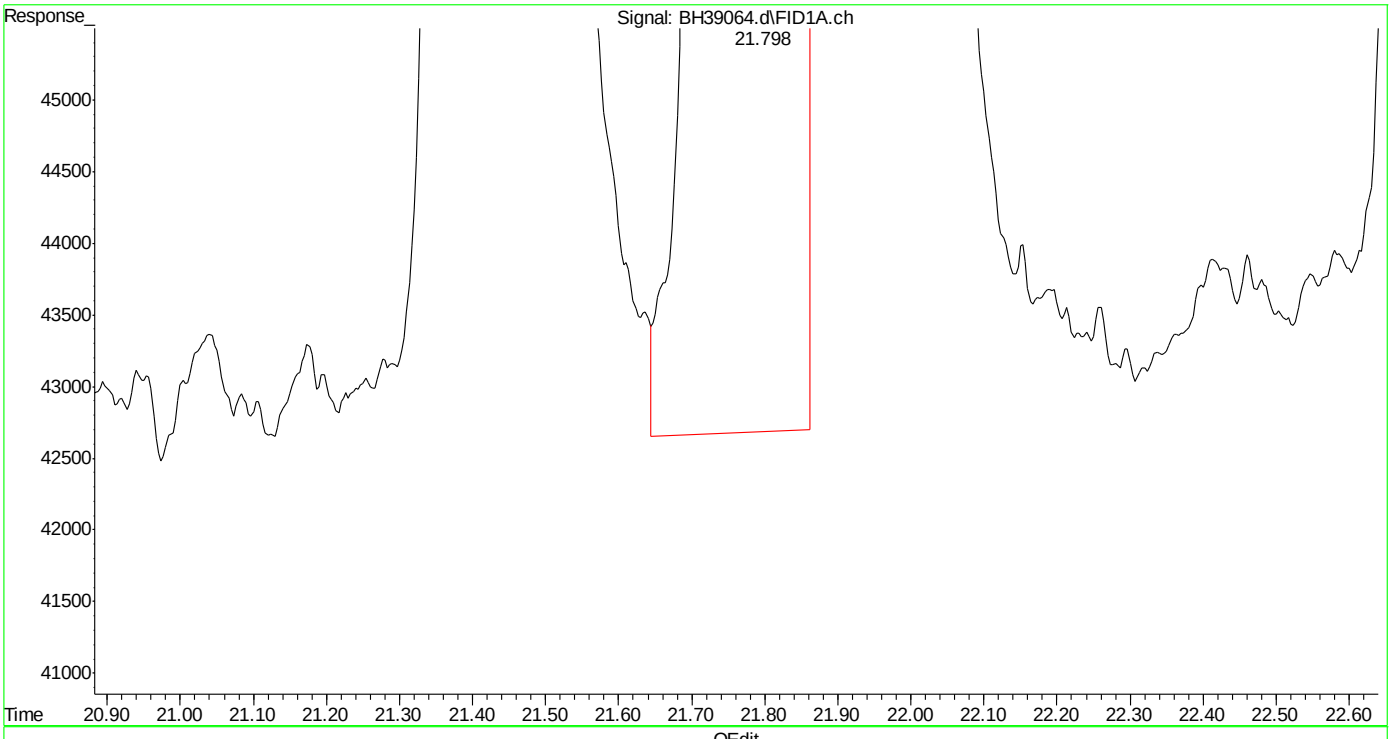
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:43 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 10.854 ppb
response 12179031

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:57 2016 Page: 1

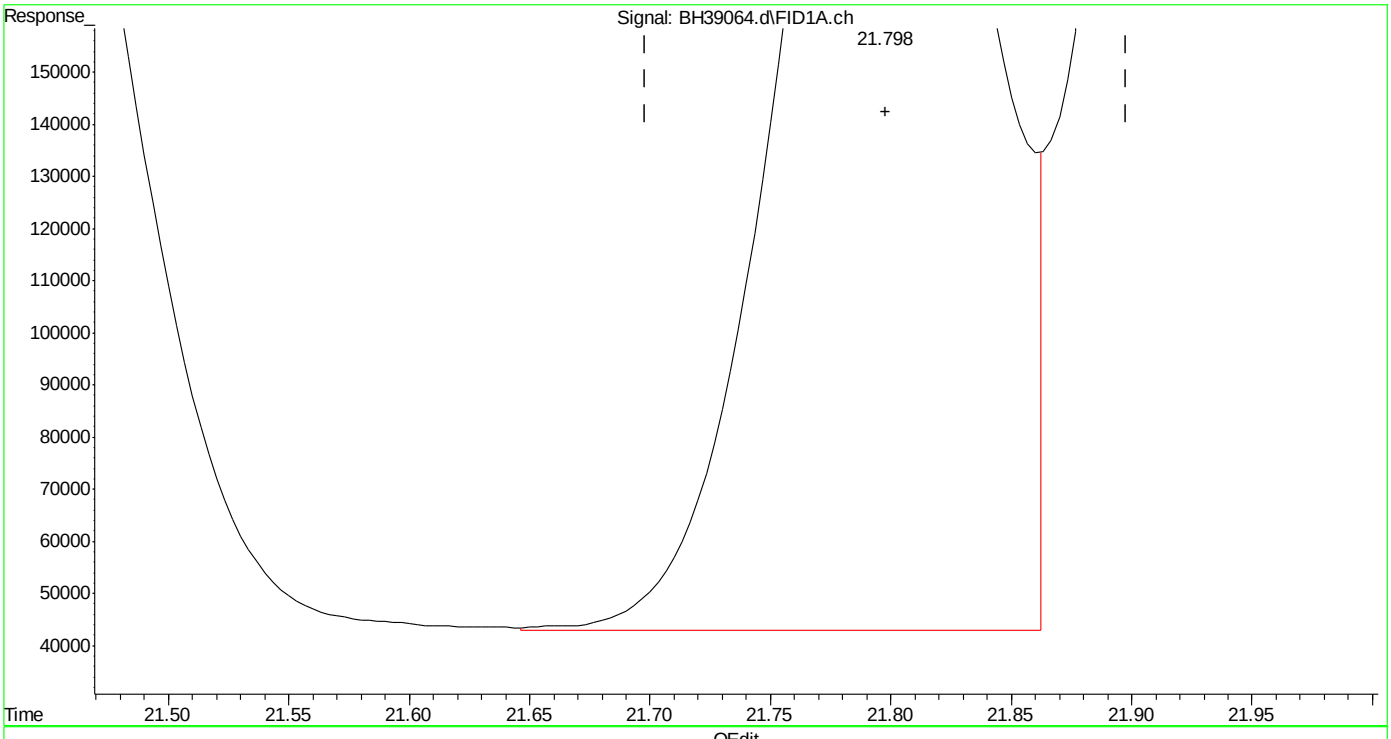
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.798min 10.840 ppb m
response 12163498

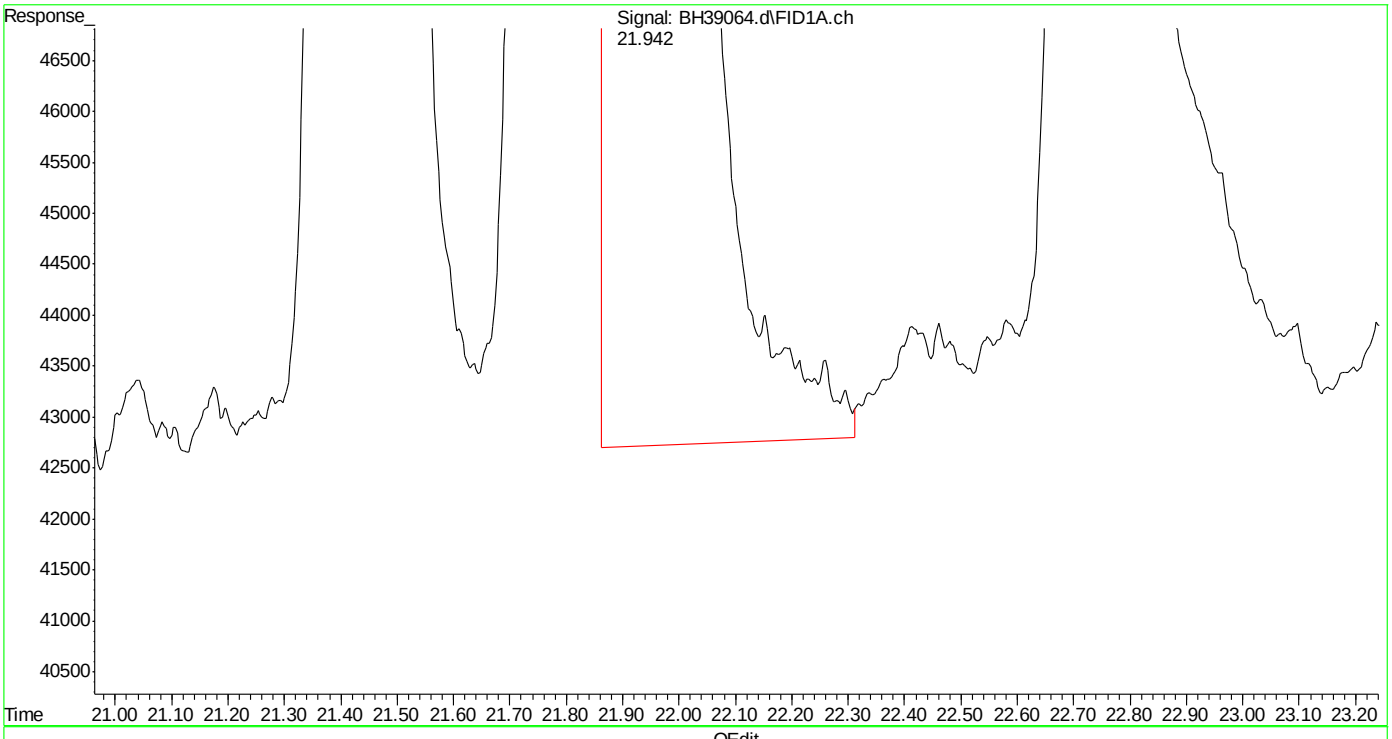
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 21.947 ppb
response 25817265

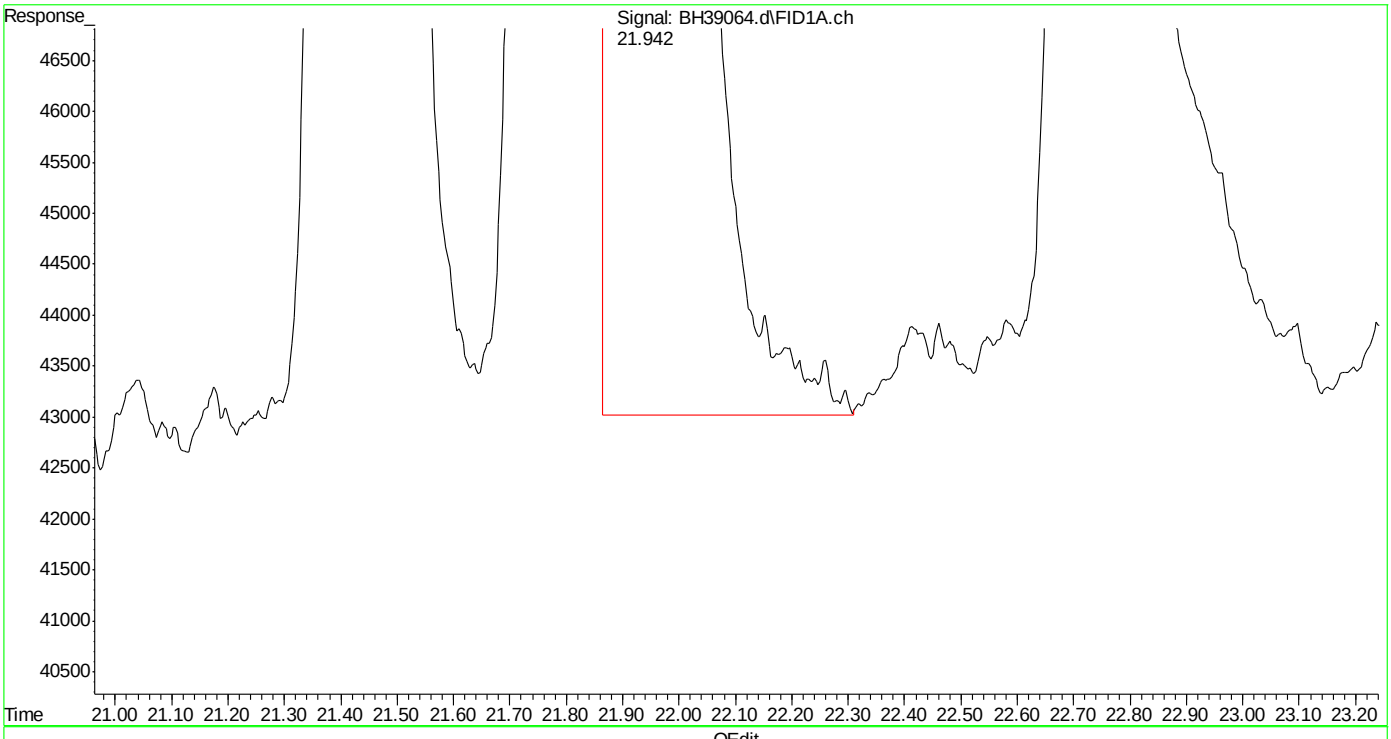
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.942min 21.739 ppb m
response 25572956

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.755min 11.138 ppb
response 13196735

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:32:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.753min 11.017 ppb m
response 13053689

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(16) decane (h)
23.856min 11.162 ppb
response 11206215

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:32:45 2016

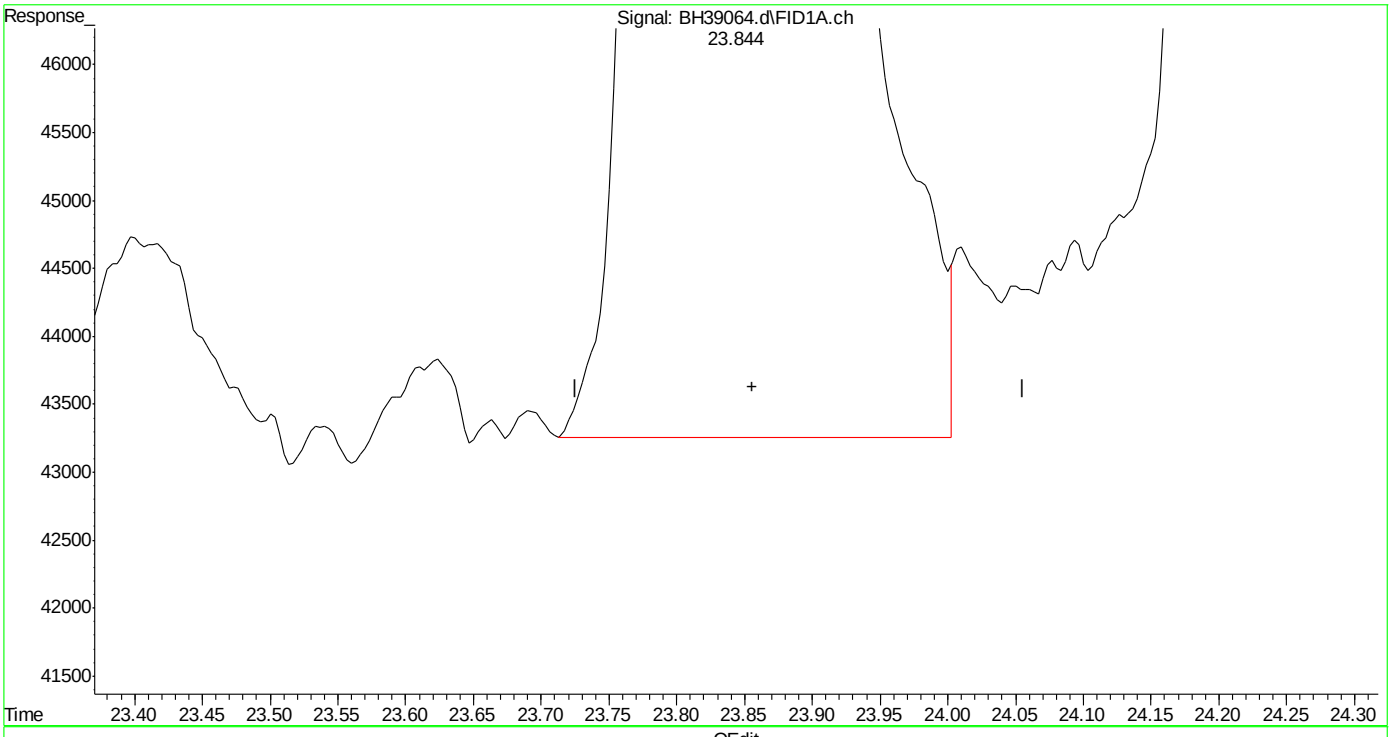
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 11.199 ppb m
response 11243264

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:32:59 2016

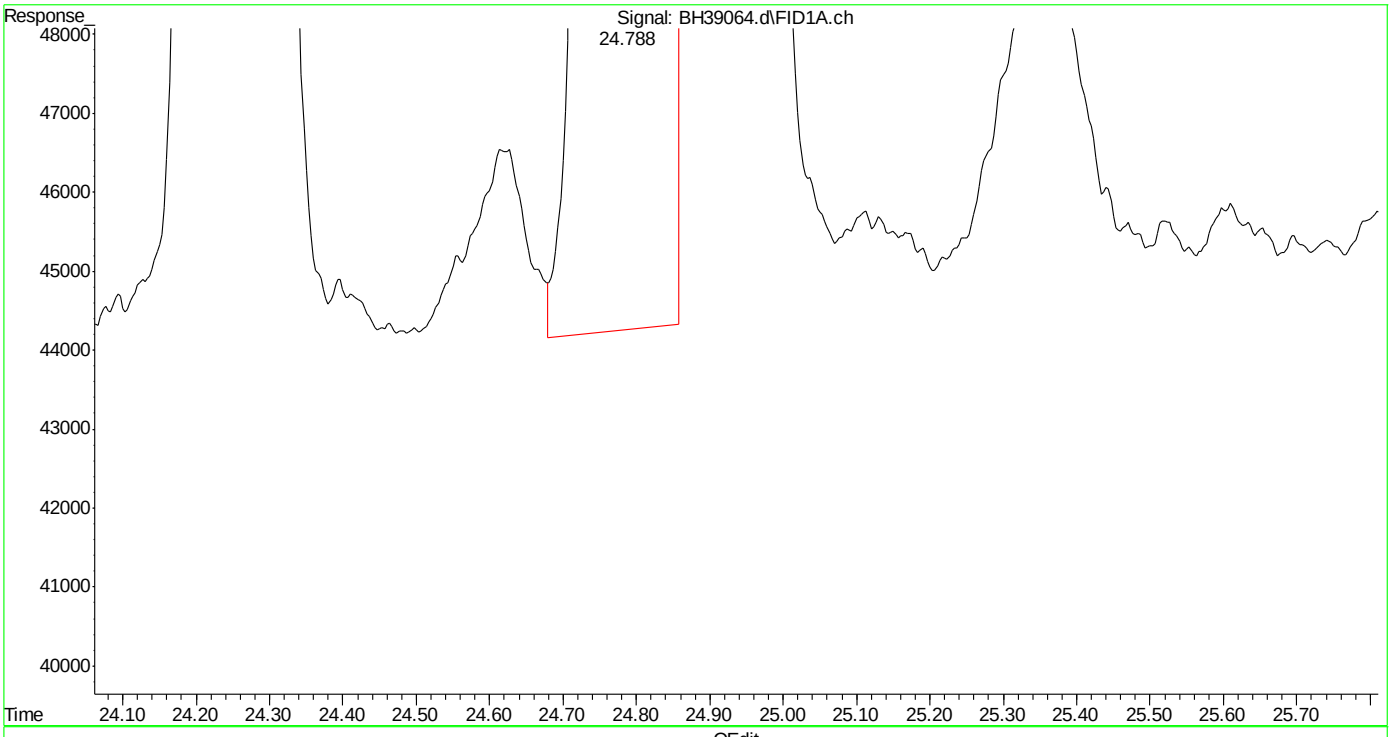
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.789min 11.070 ppb
response 13712529

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:33:20 2016

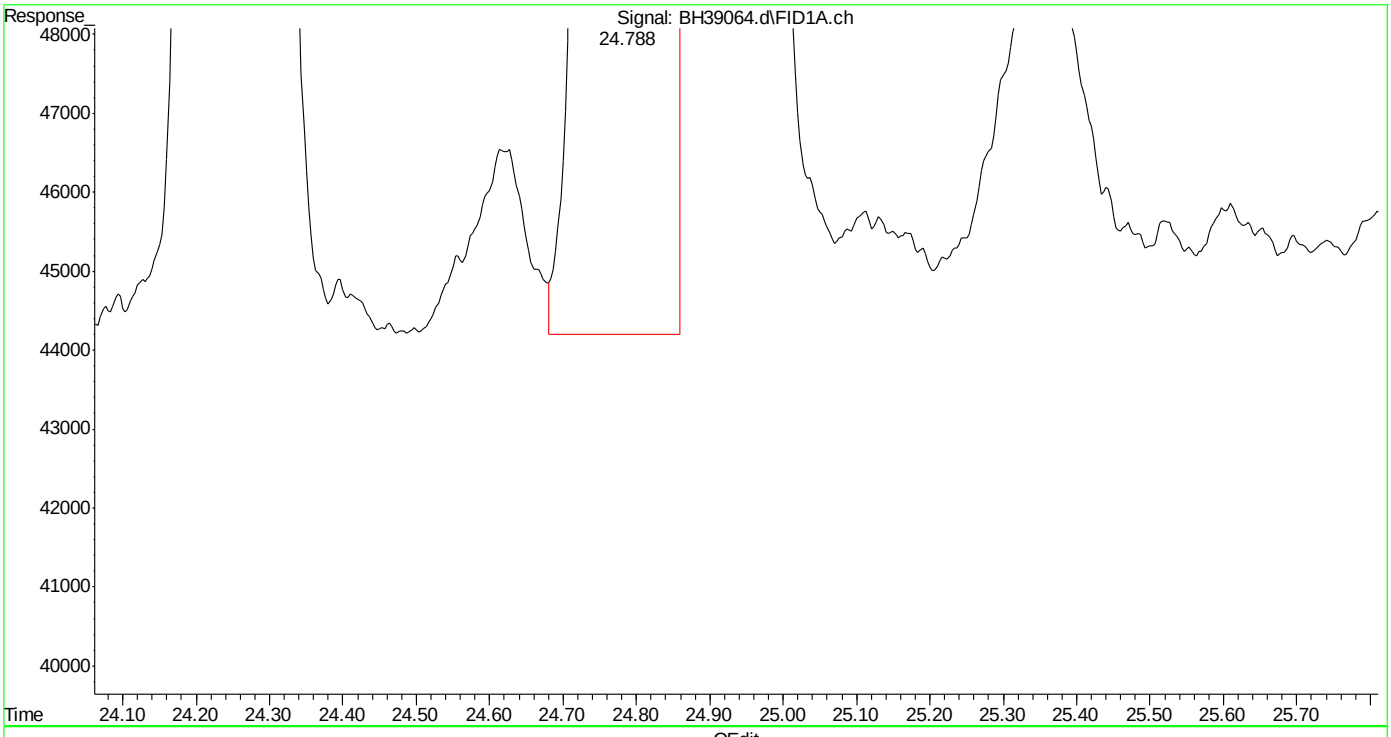
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 11.091 ppb m
response 13738220

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:33:28 2016

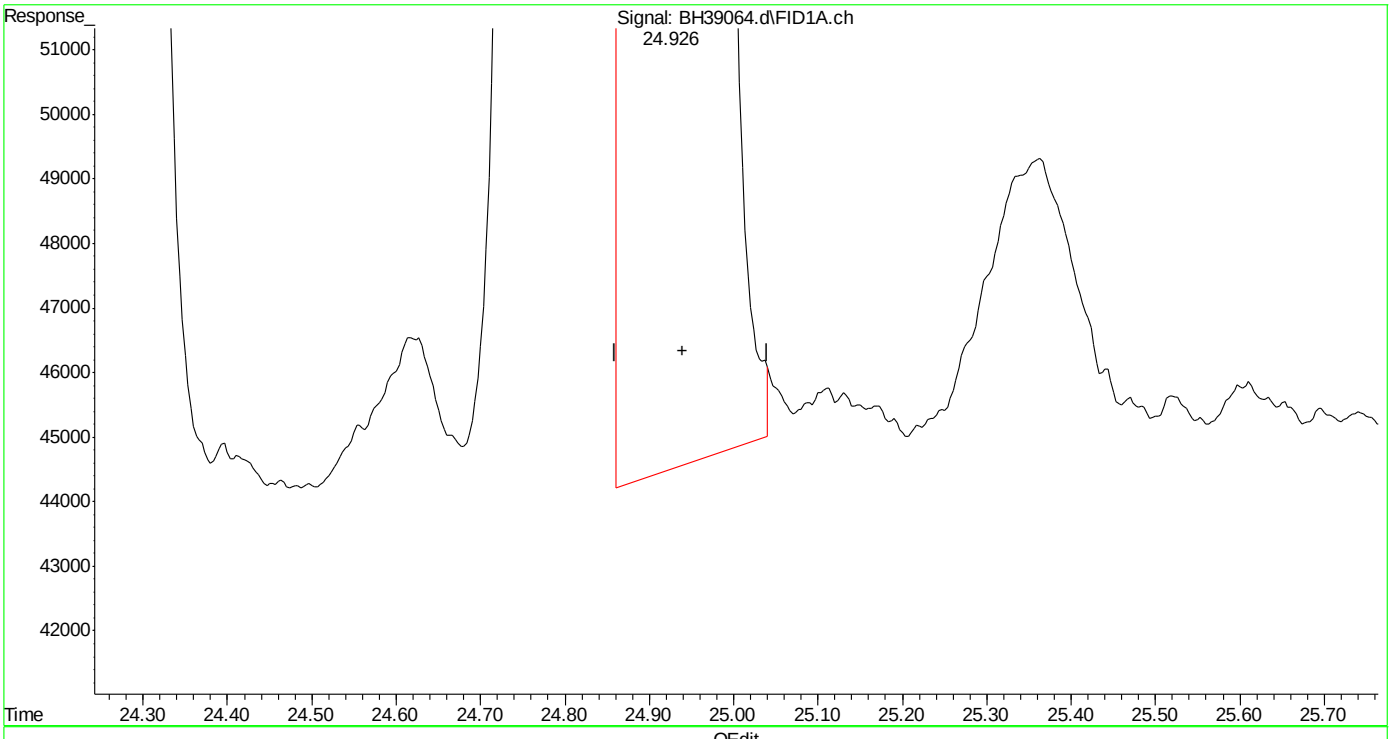
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 10.968 ppb
response 12187482

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:33:33 2016

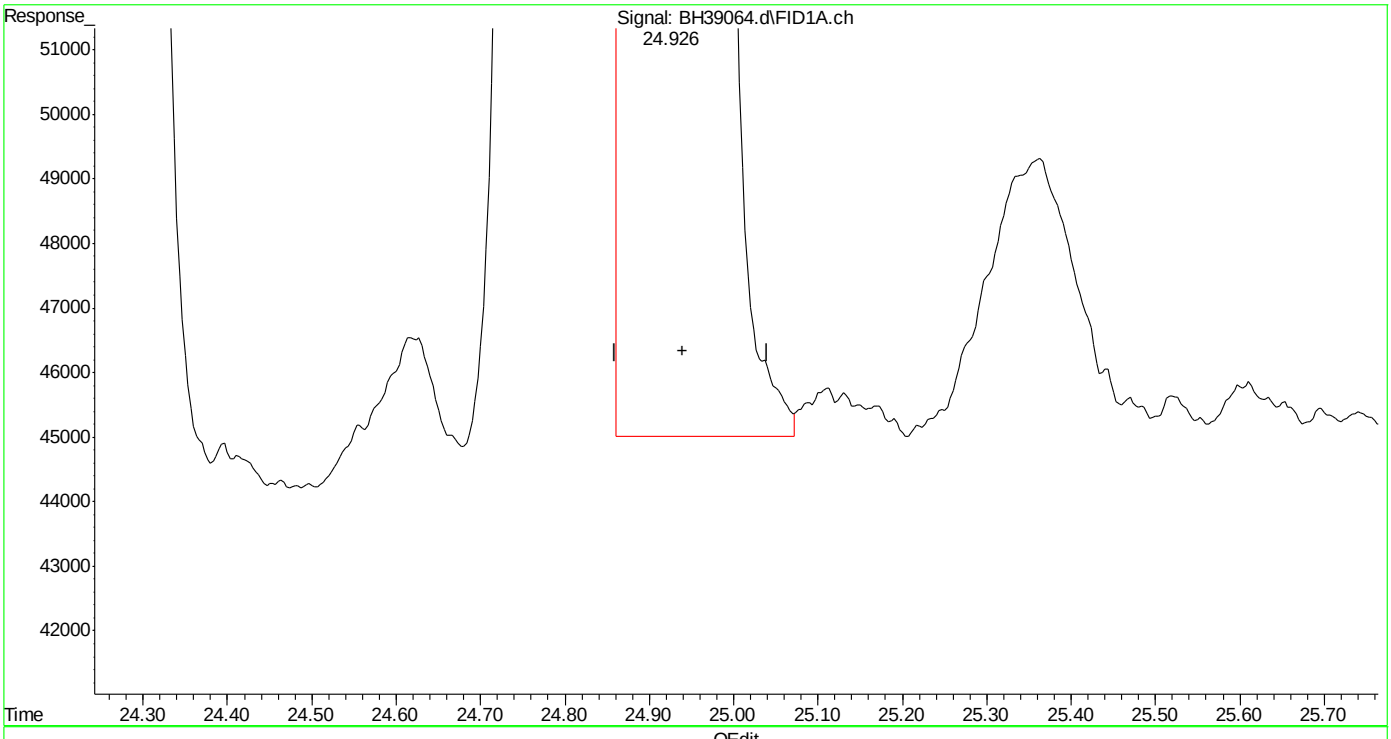
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 10.945 ppb m
response 12162000

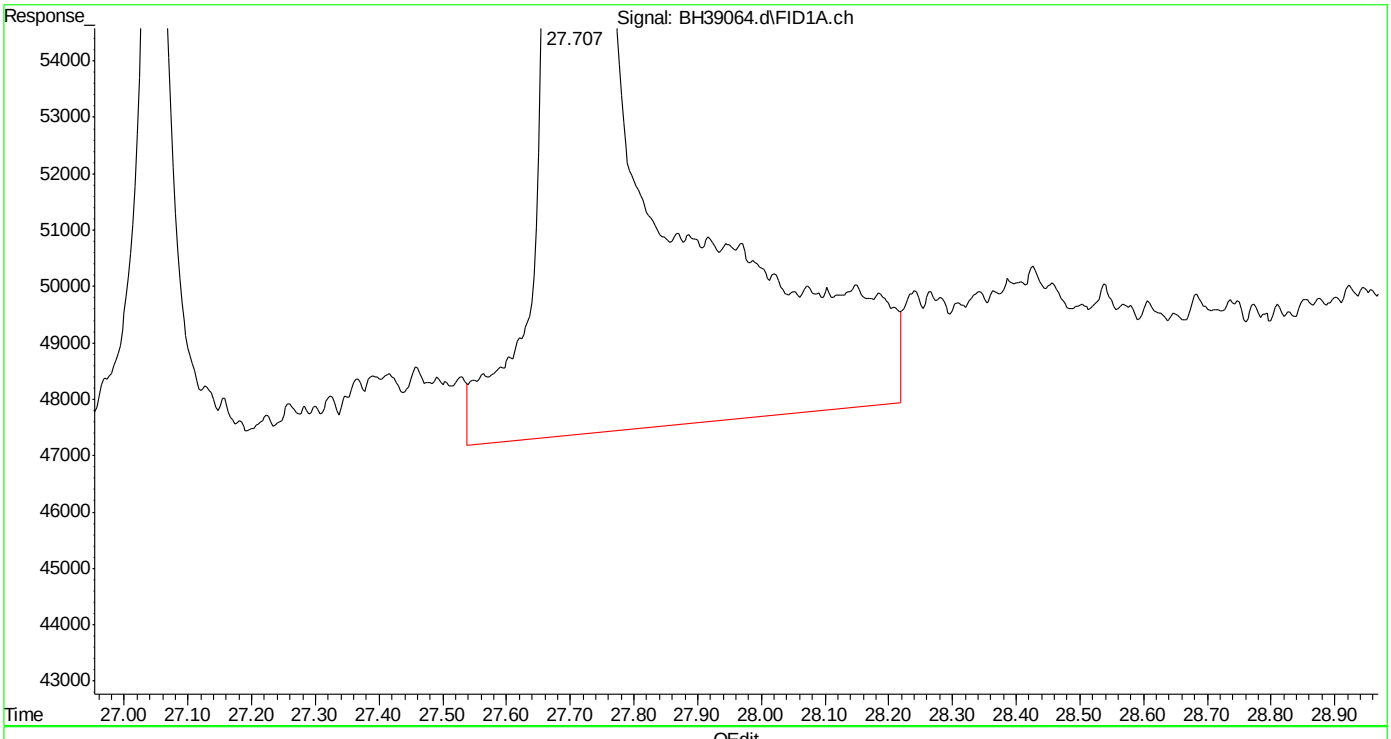
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 11.927 ppb
response 9410988

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:33:46 2016 Page: 1

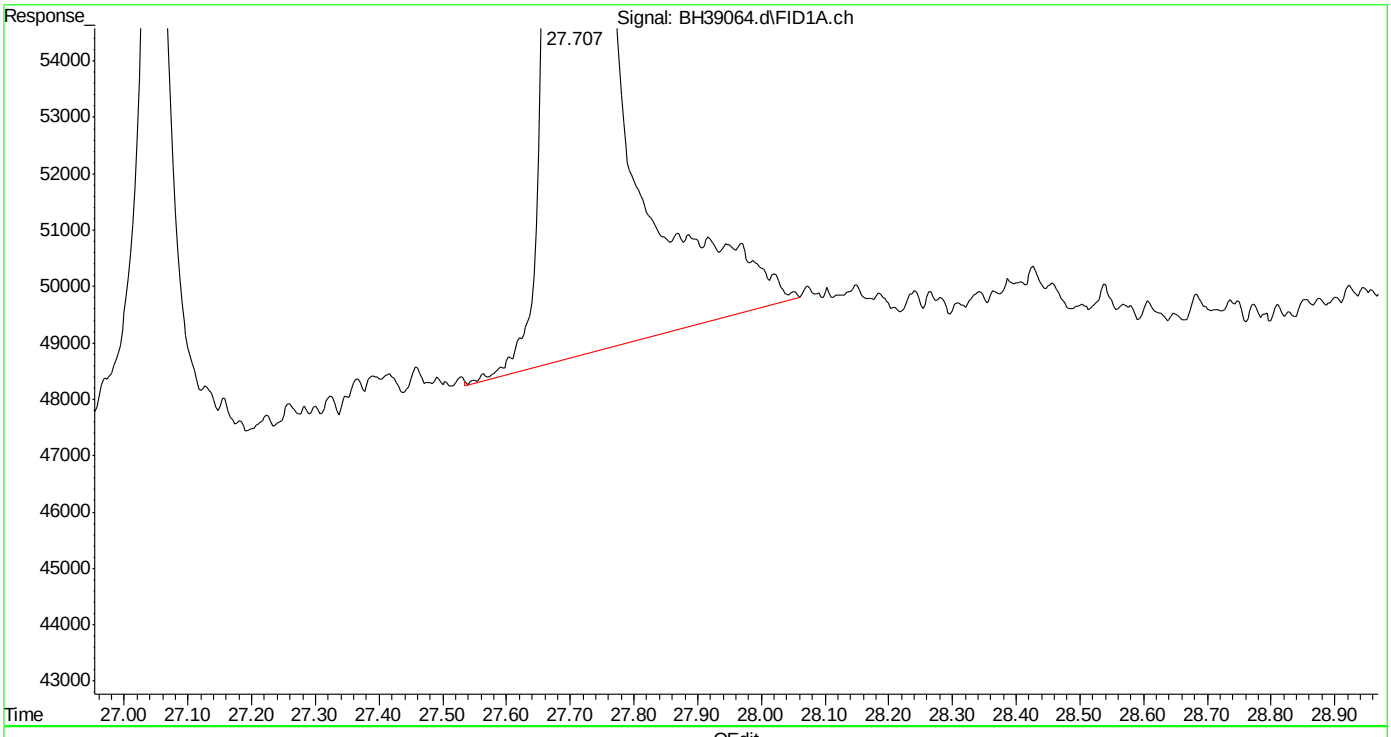
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.707min 11.069 ppb m
response 8733820

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:03 2016 Page: 1

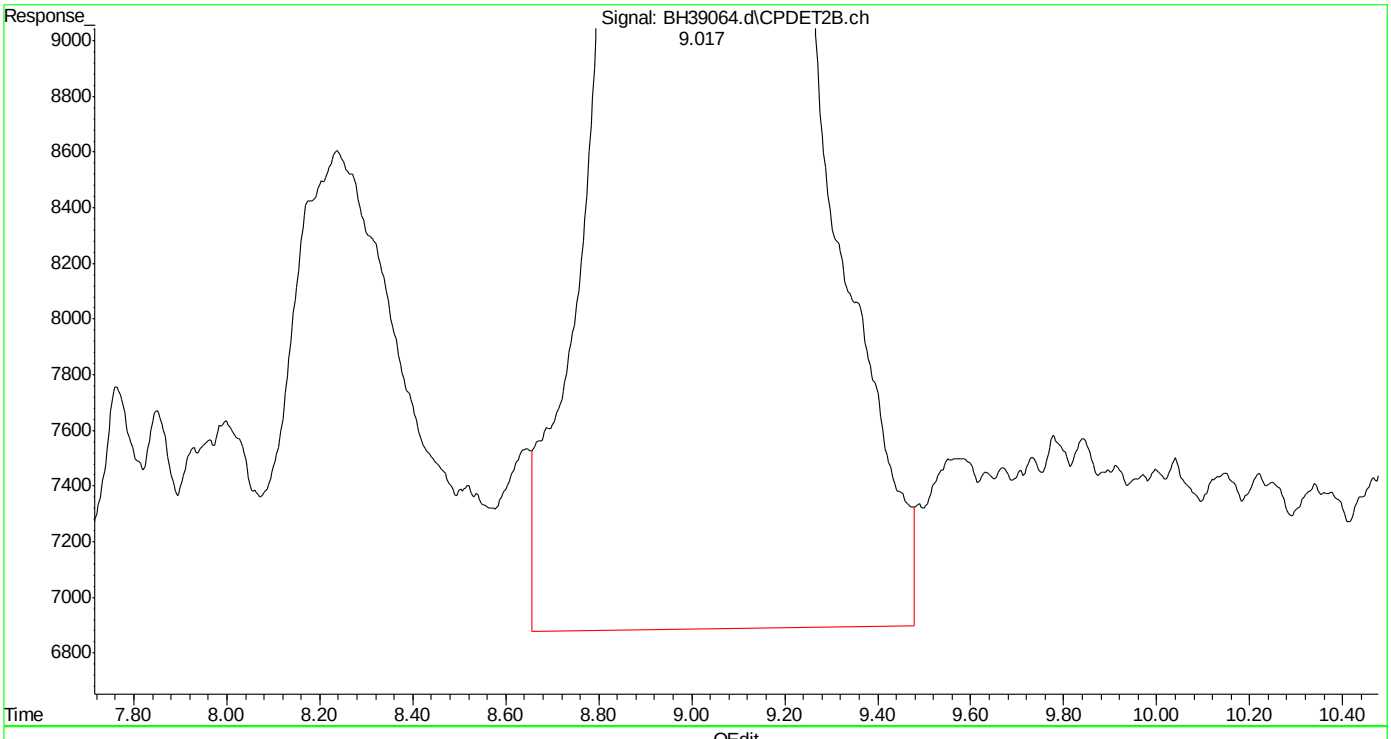
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.018min 11.573 ppb
response 3236211

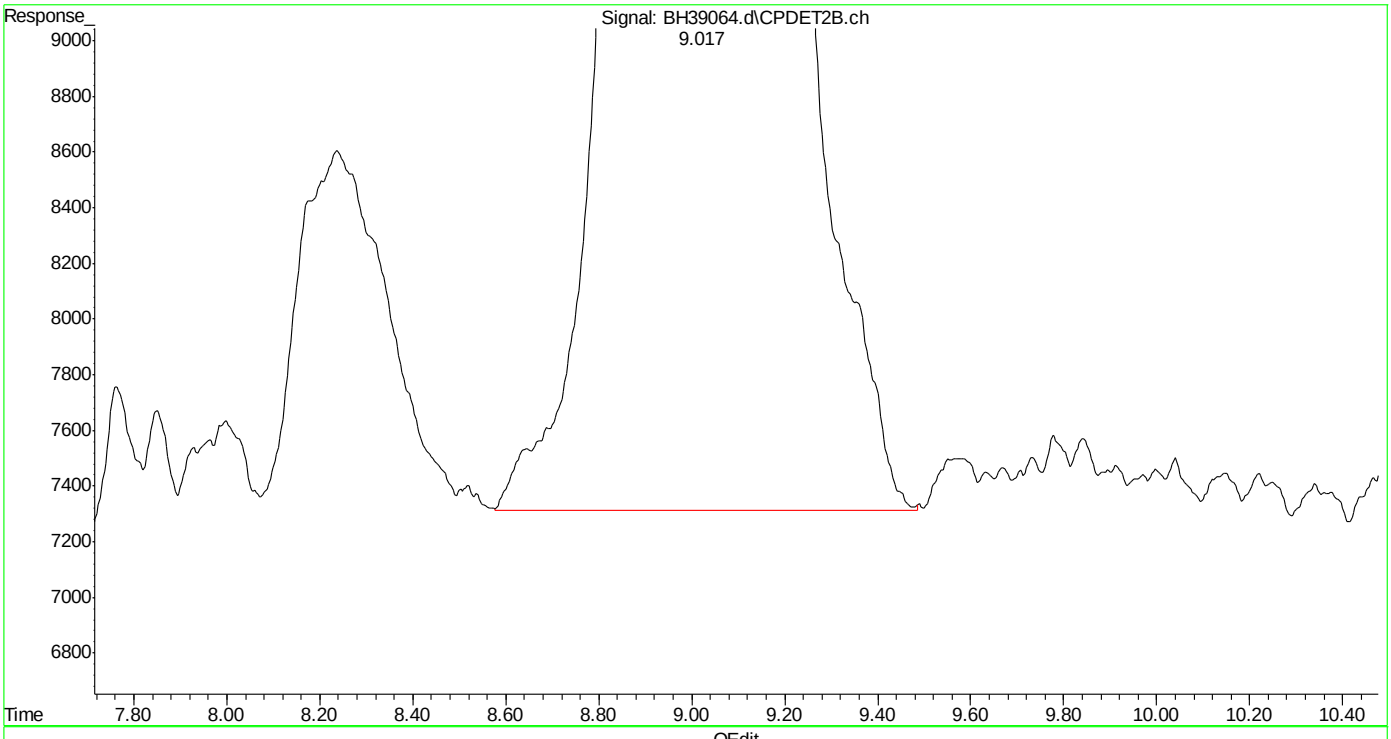
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:13 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.017min 10.849 ppb m
response 3033740

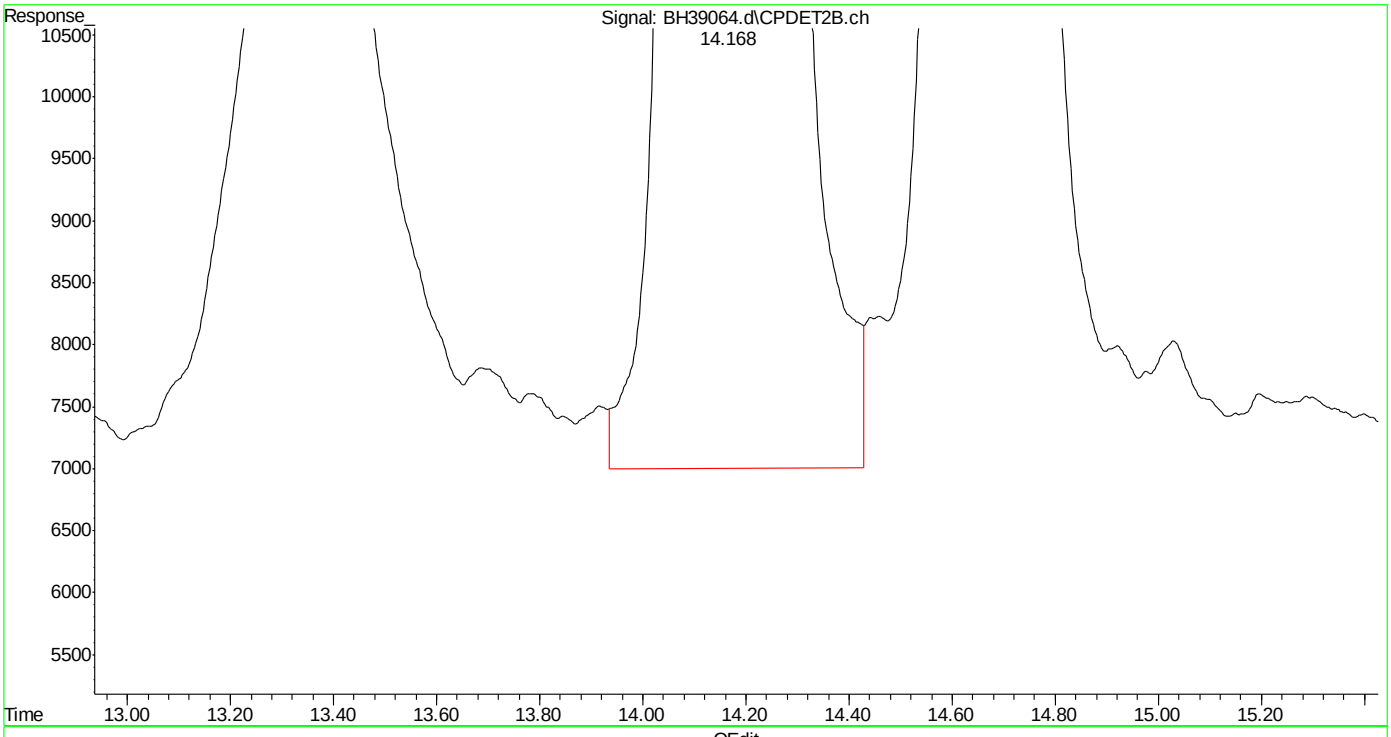
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:25 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 11.062 ppb
response 6885057

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:28 2016 Page: 1

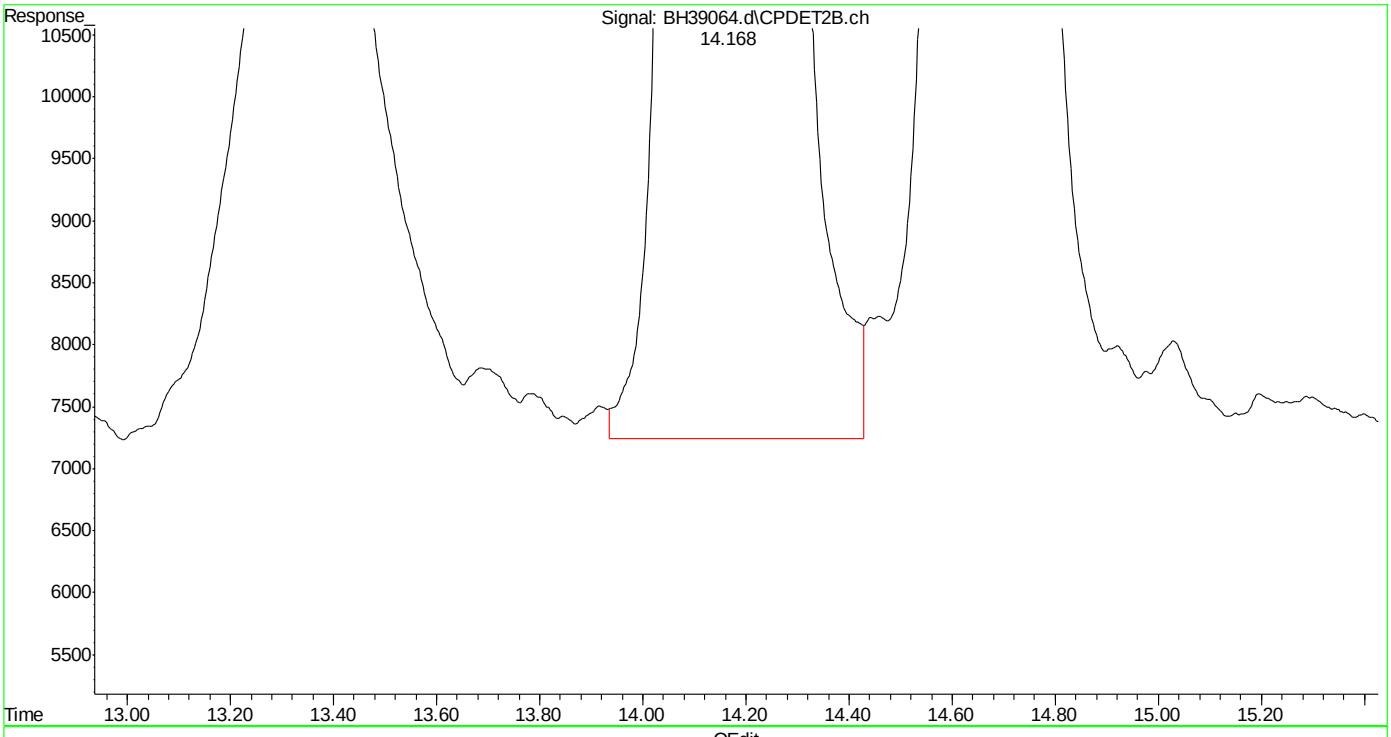
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.168min 10.950 ppb m
response 6815412

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:37 2016 Page: 1

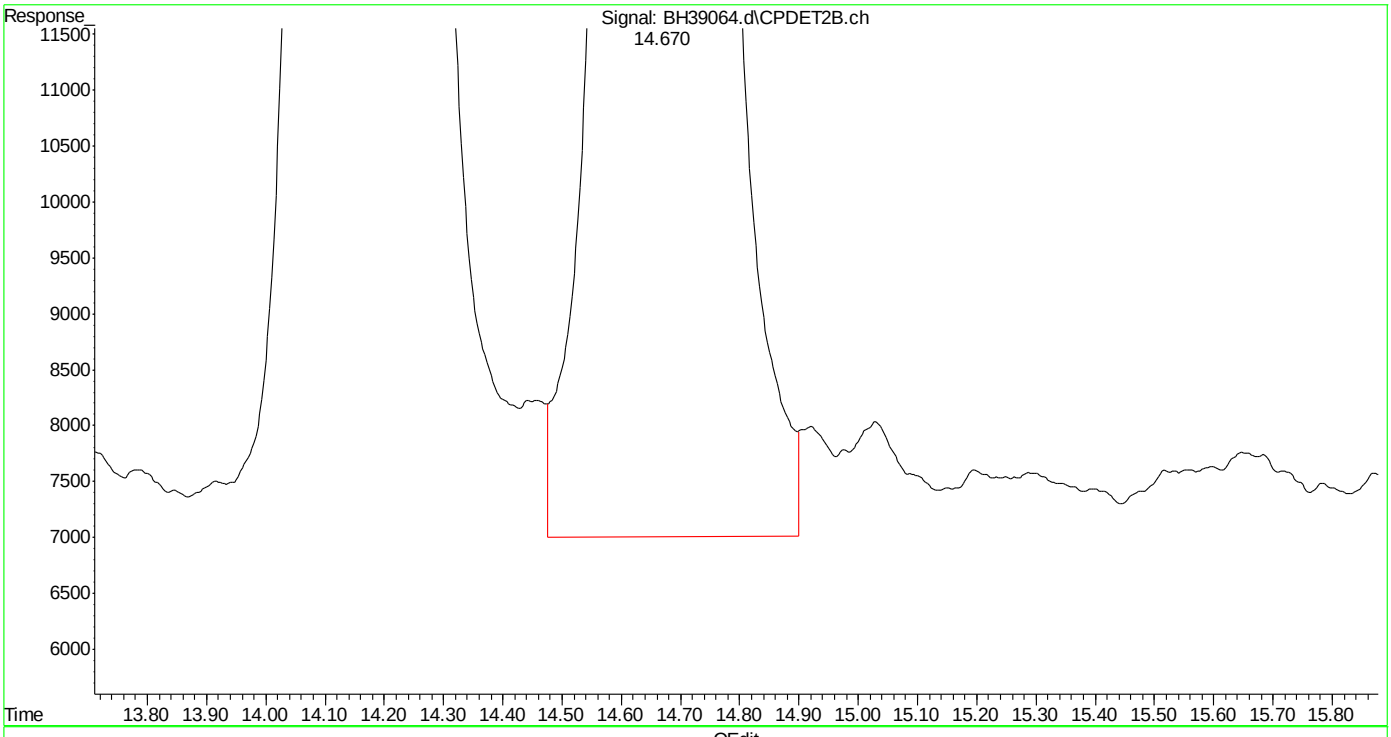
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.671min 11.052 ppb
response 4328050

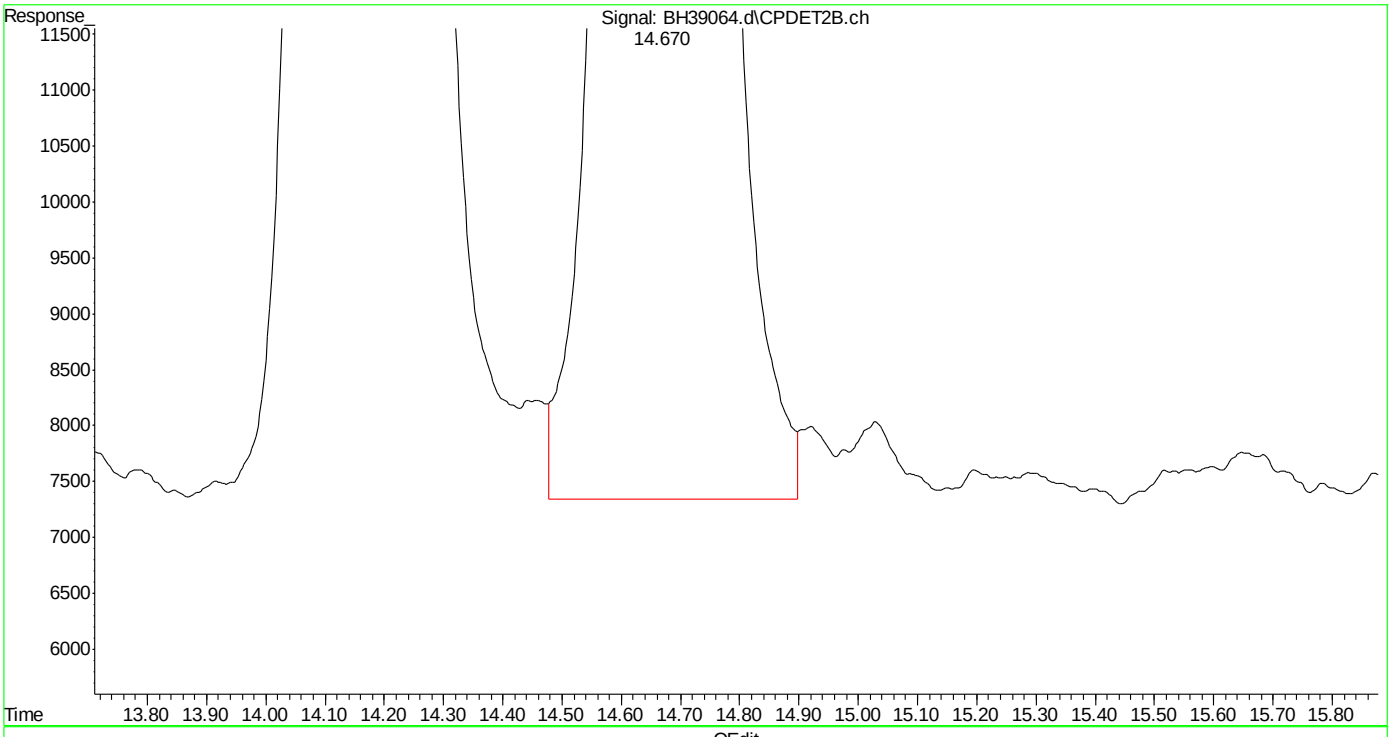
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 10.829 ppb m
response 4240734

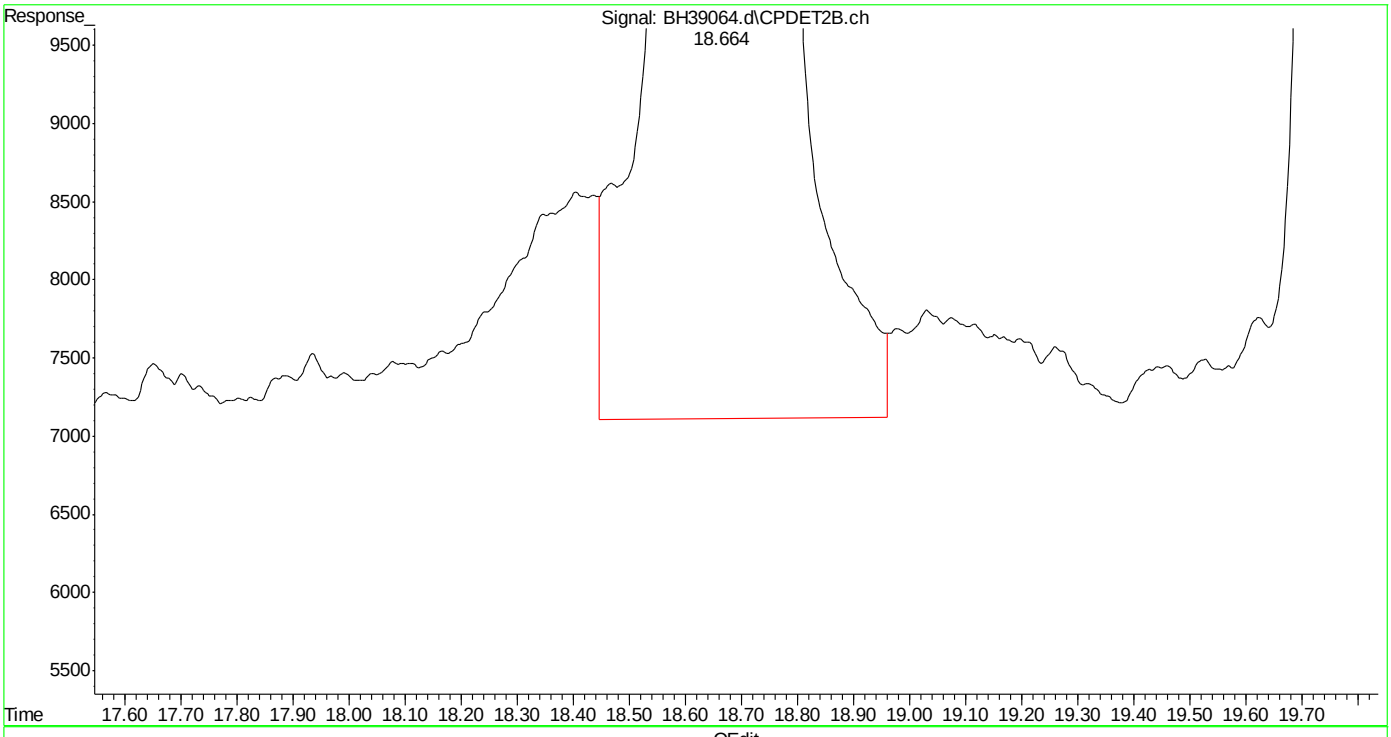
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:50 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.665min 11.020 ppb
response 6421734

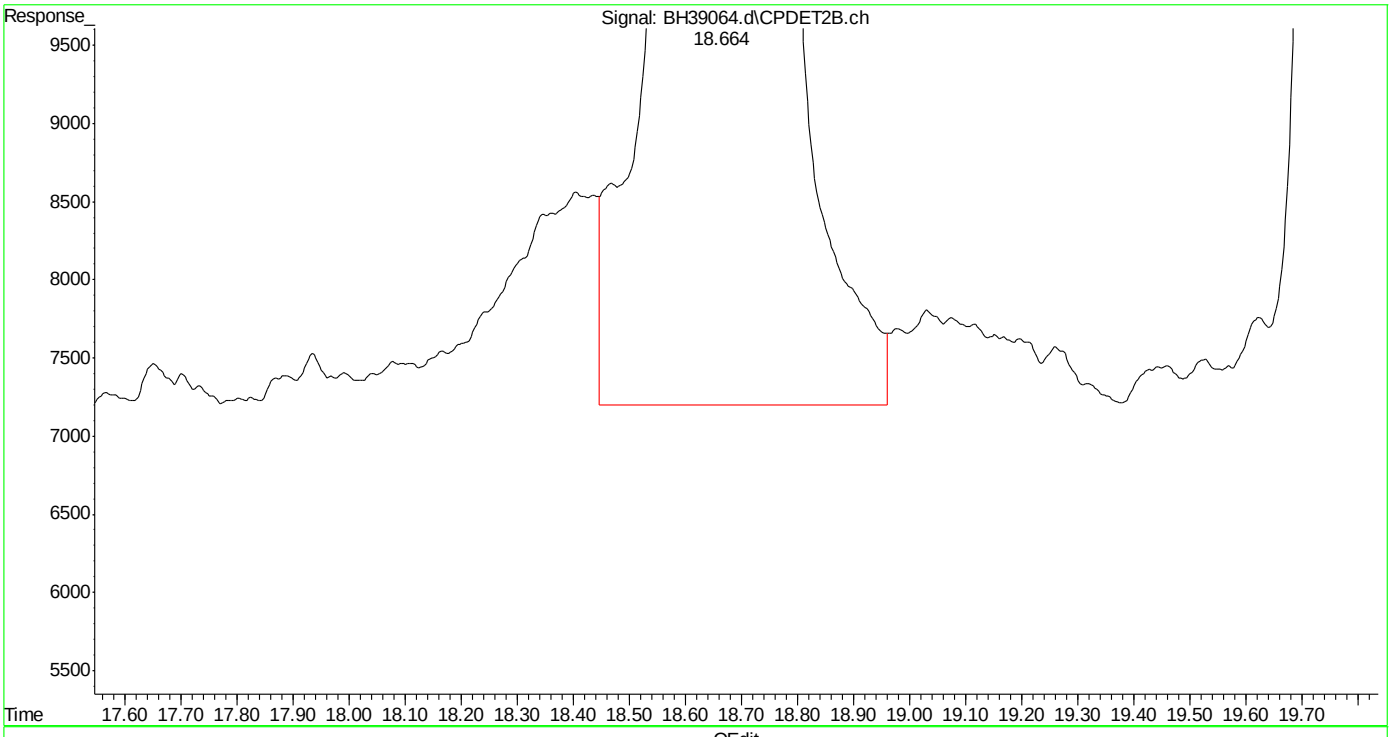
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:03 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 10.971 ppb m
response 6393156

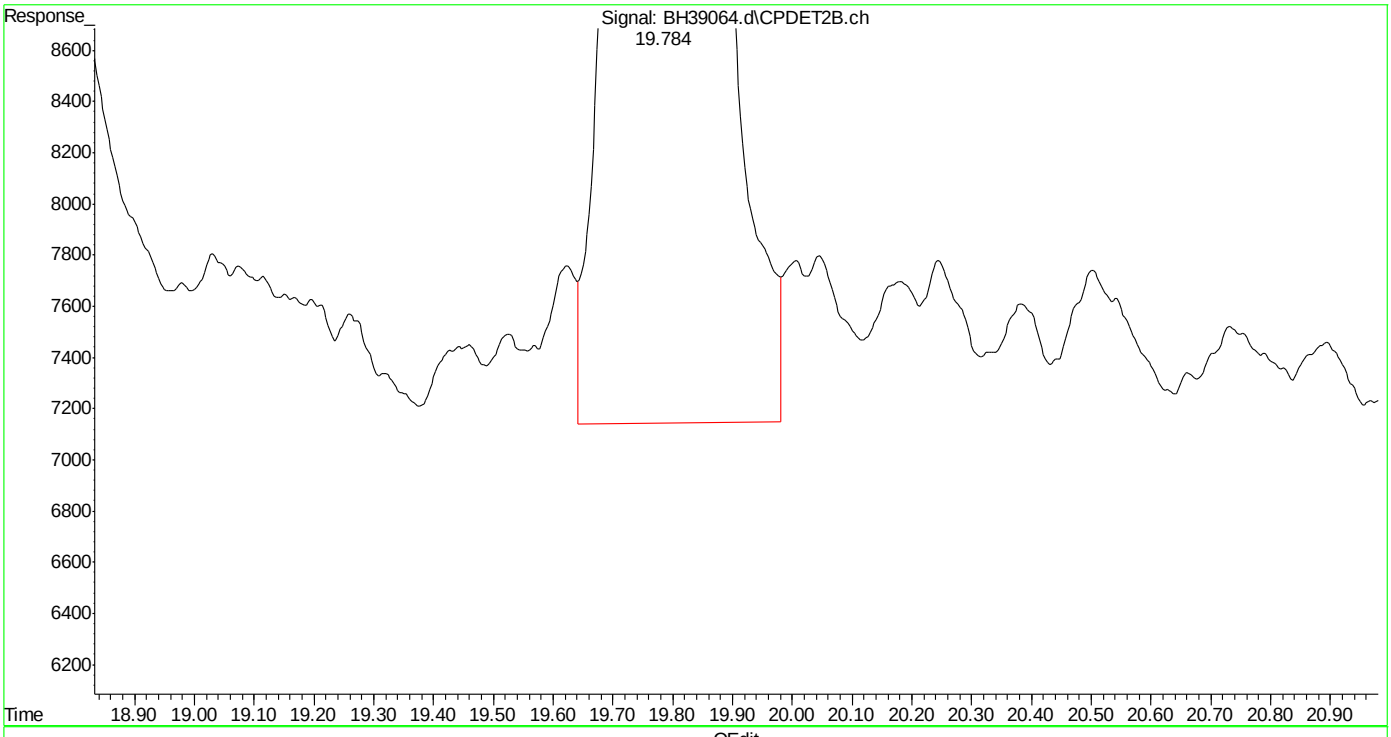
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:11 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 11.055 ppb
response 2591728

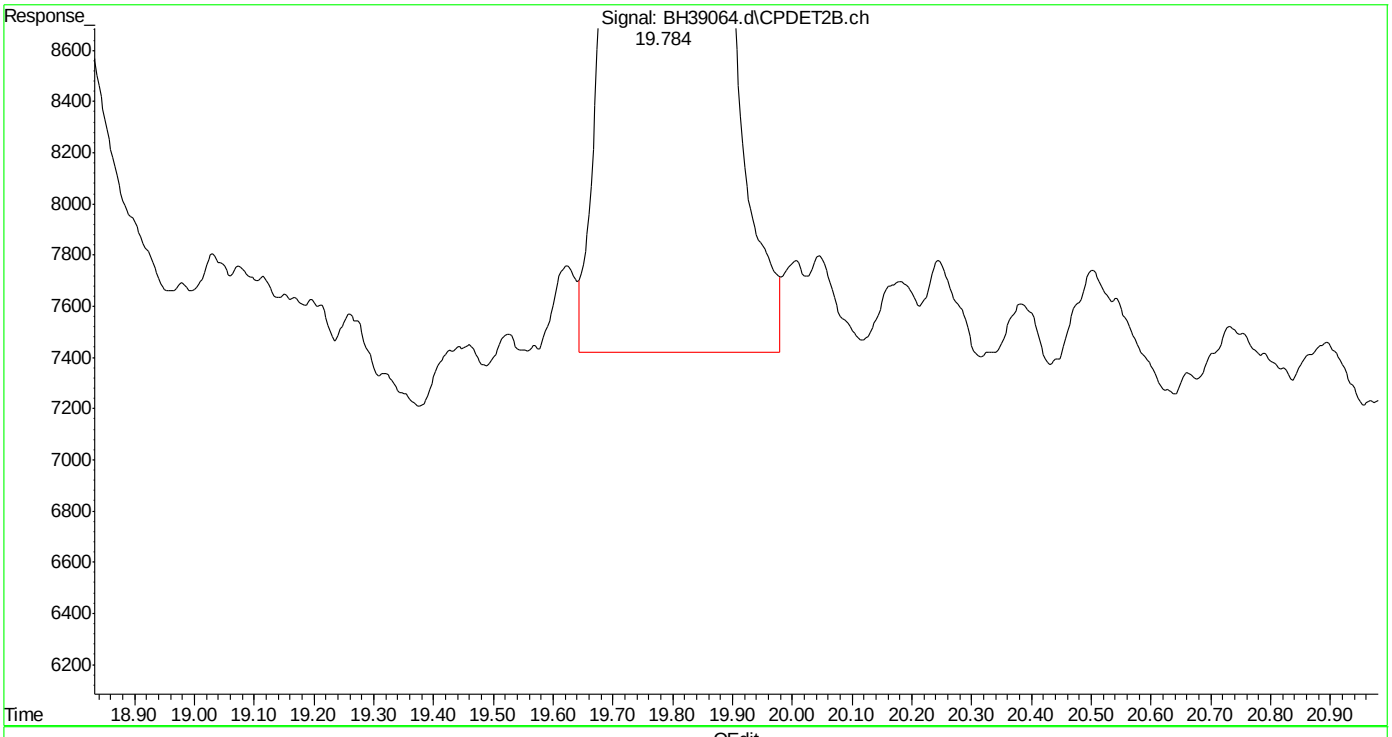
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 10.813 ppb m
response 2534967

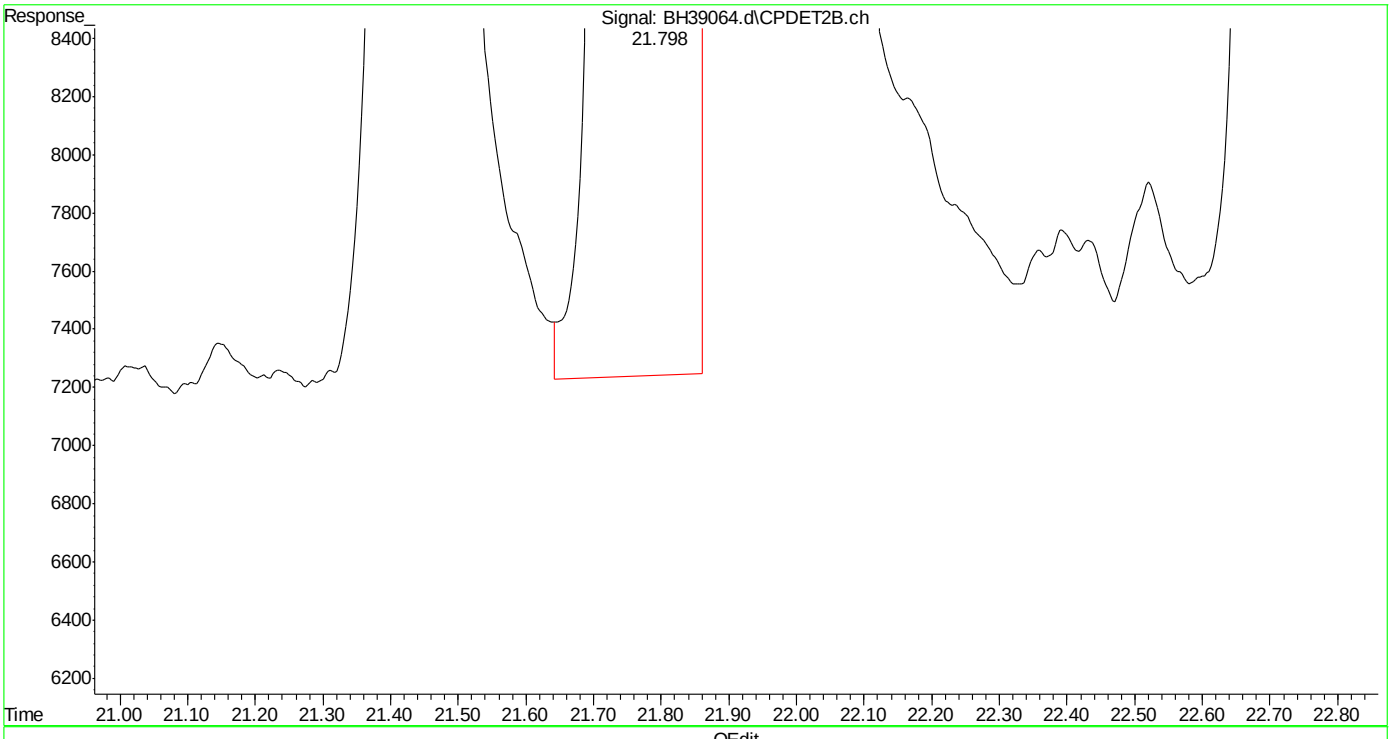
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:22 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.799min 10.741 ppb
response 5549767

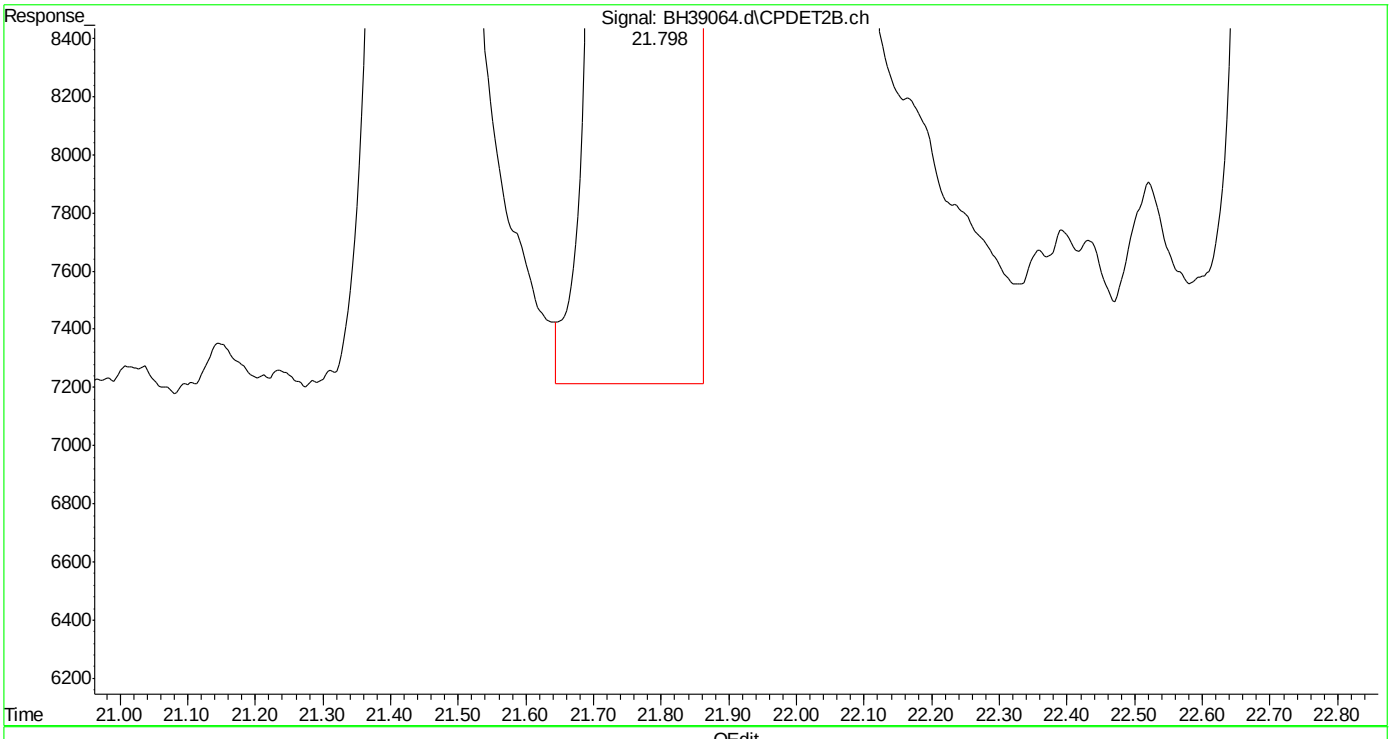
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:32 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.798min 10.893 ppb m
response 5628408

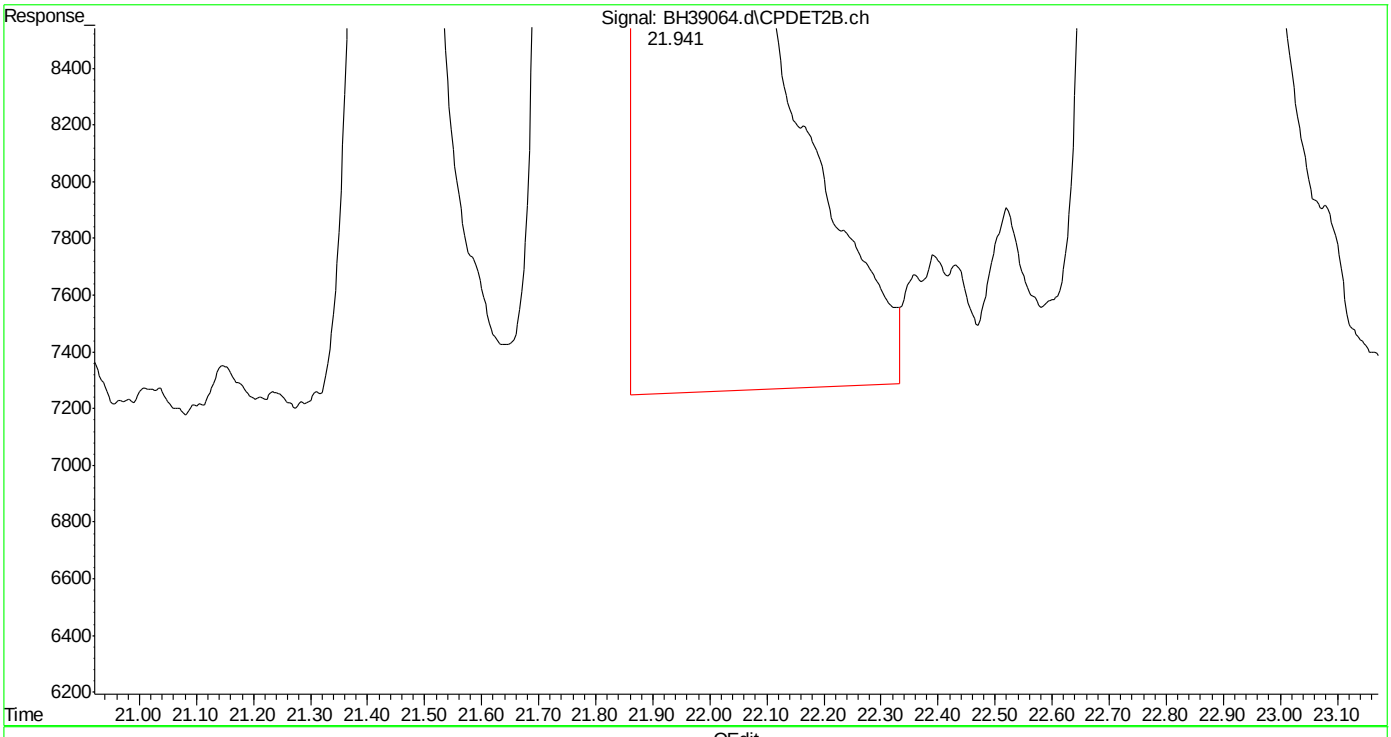
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:38 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 21.945 ppb
response 13912519

(+) = Expected Retention Time

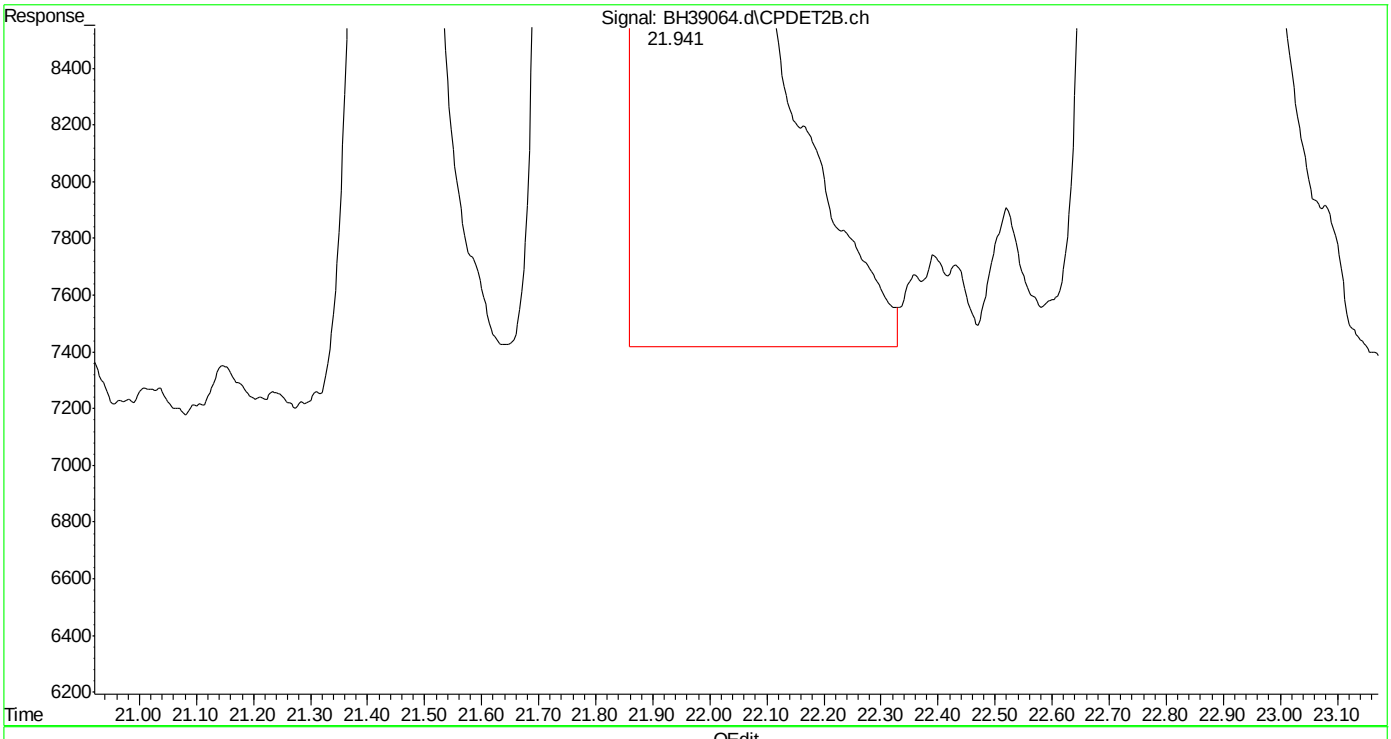
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.941min 21.912 ppb m
response 13891872

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(30) o-xylene #2 (t)
22.754min 11.186 ppb
response 6084121

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:54 2016

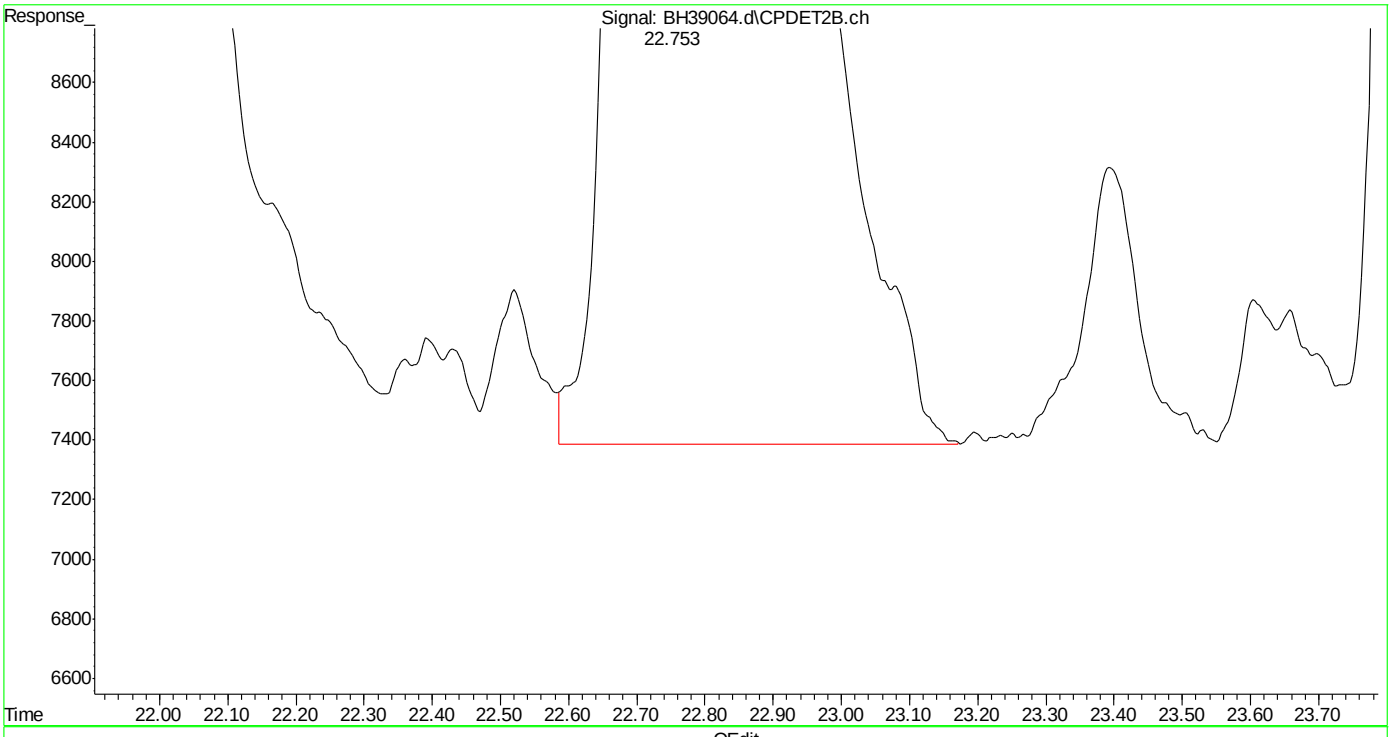
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 11.154 ppb m
response 6067007

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:01 2016

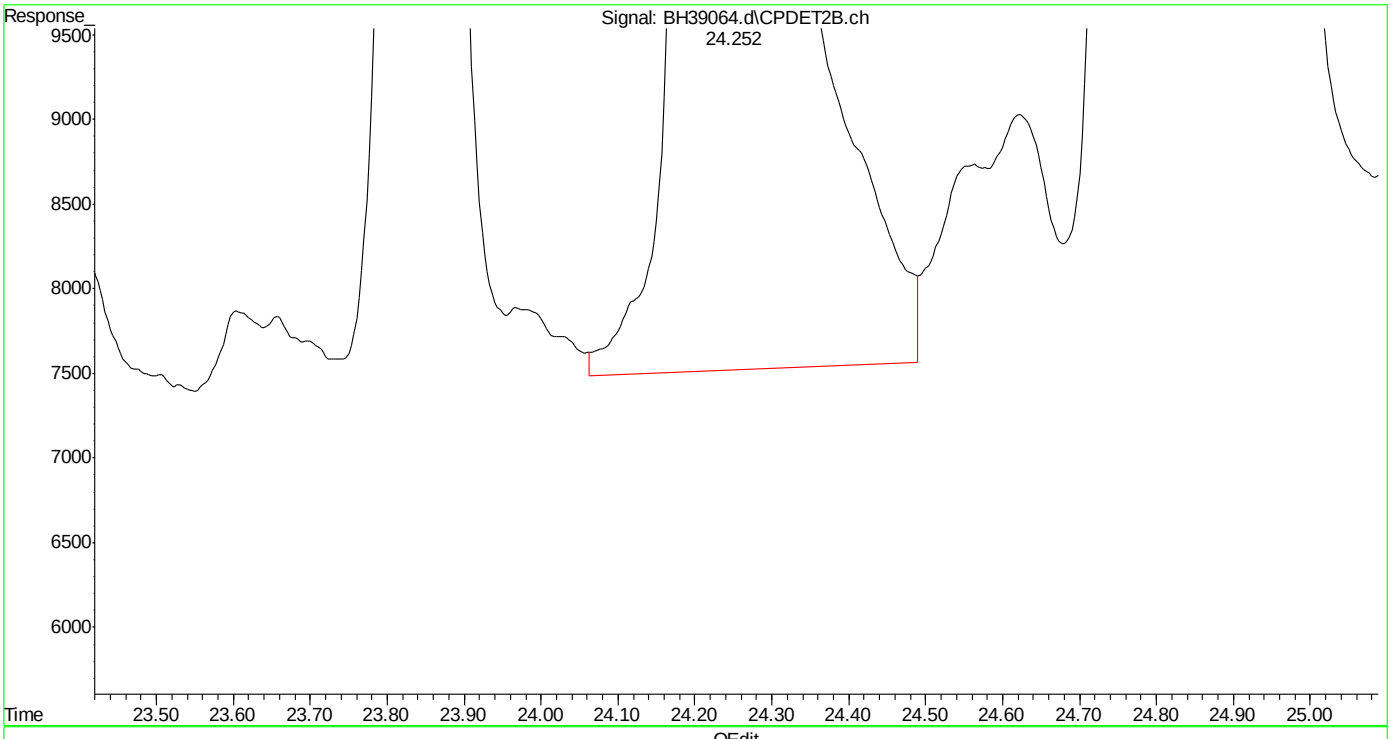
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.253min 10.793 ppb
response 8592010

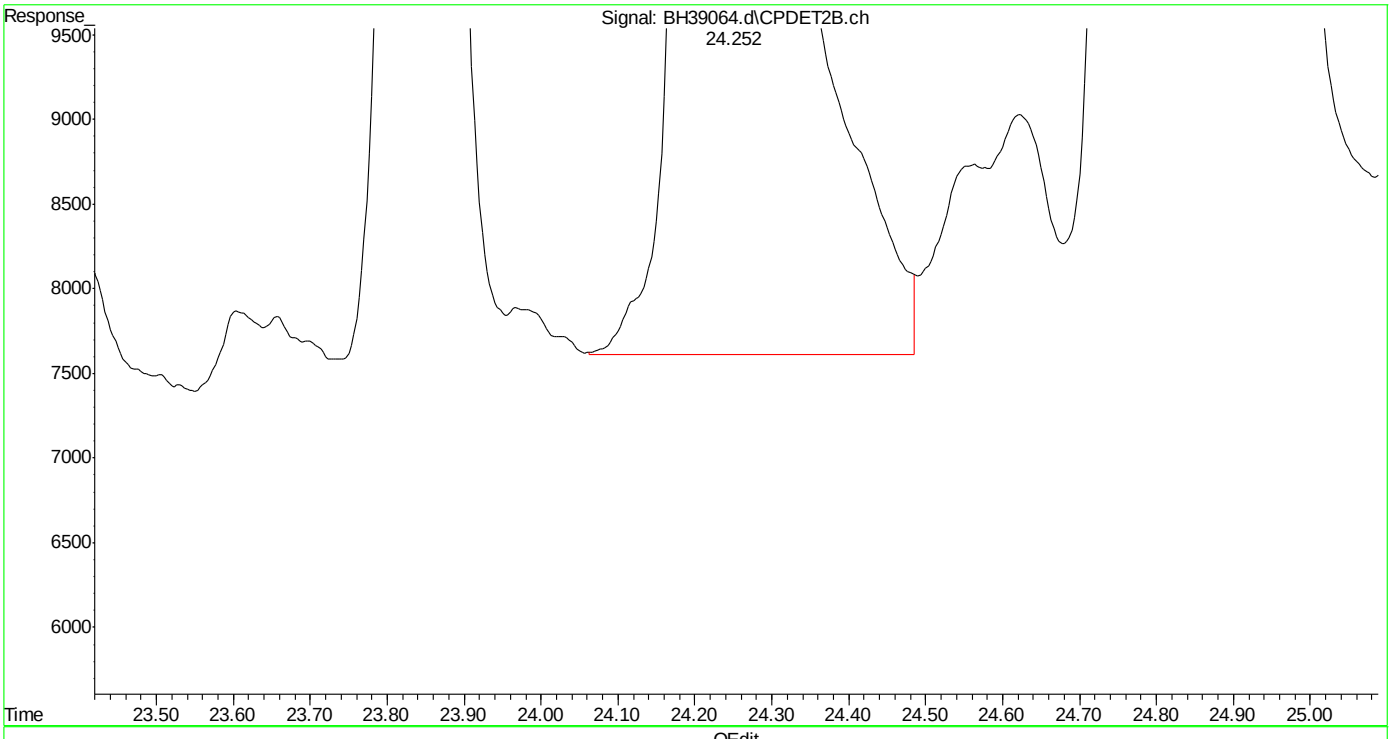
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.252min 10.762 ppb m
response 8567921

(+) = Expected Retention Time

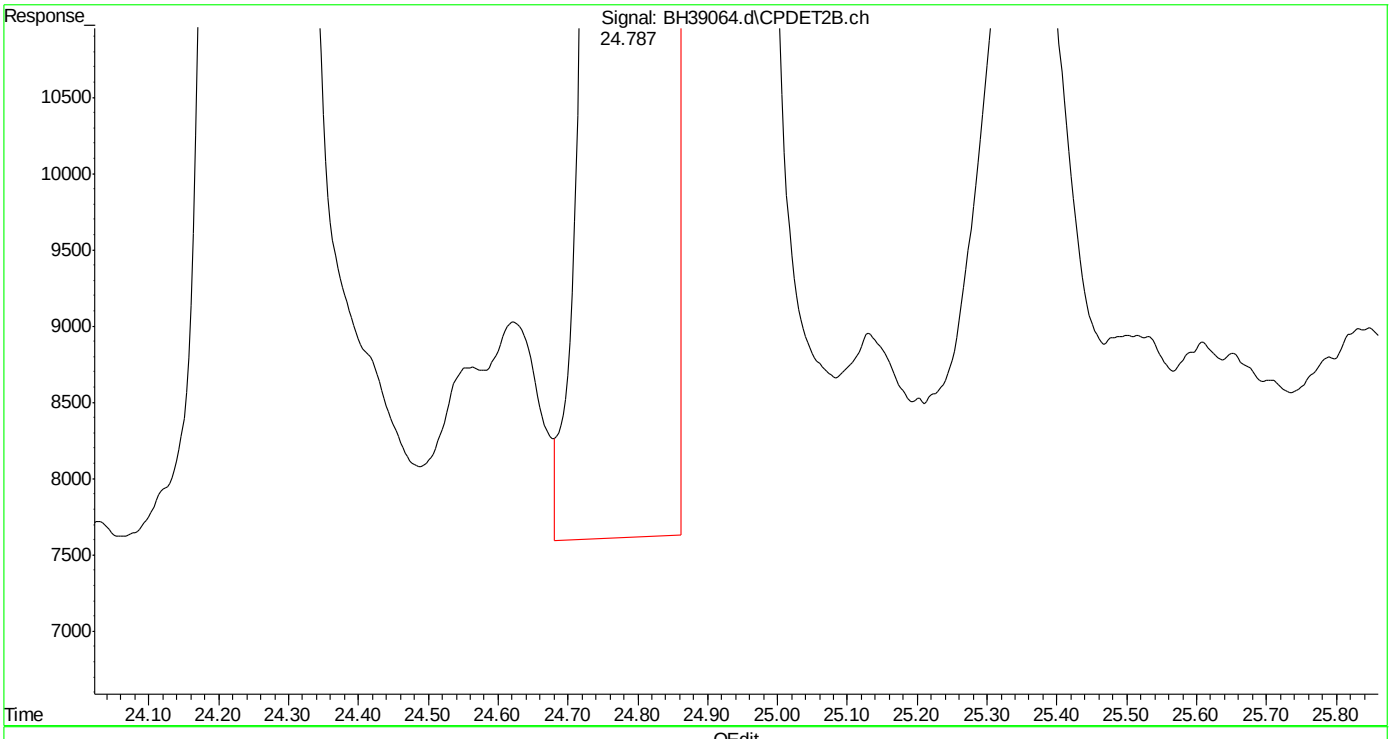
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 11.056 ppb
response 6656713

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:27 2016

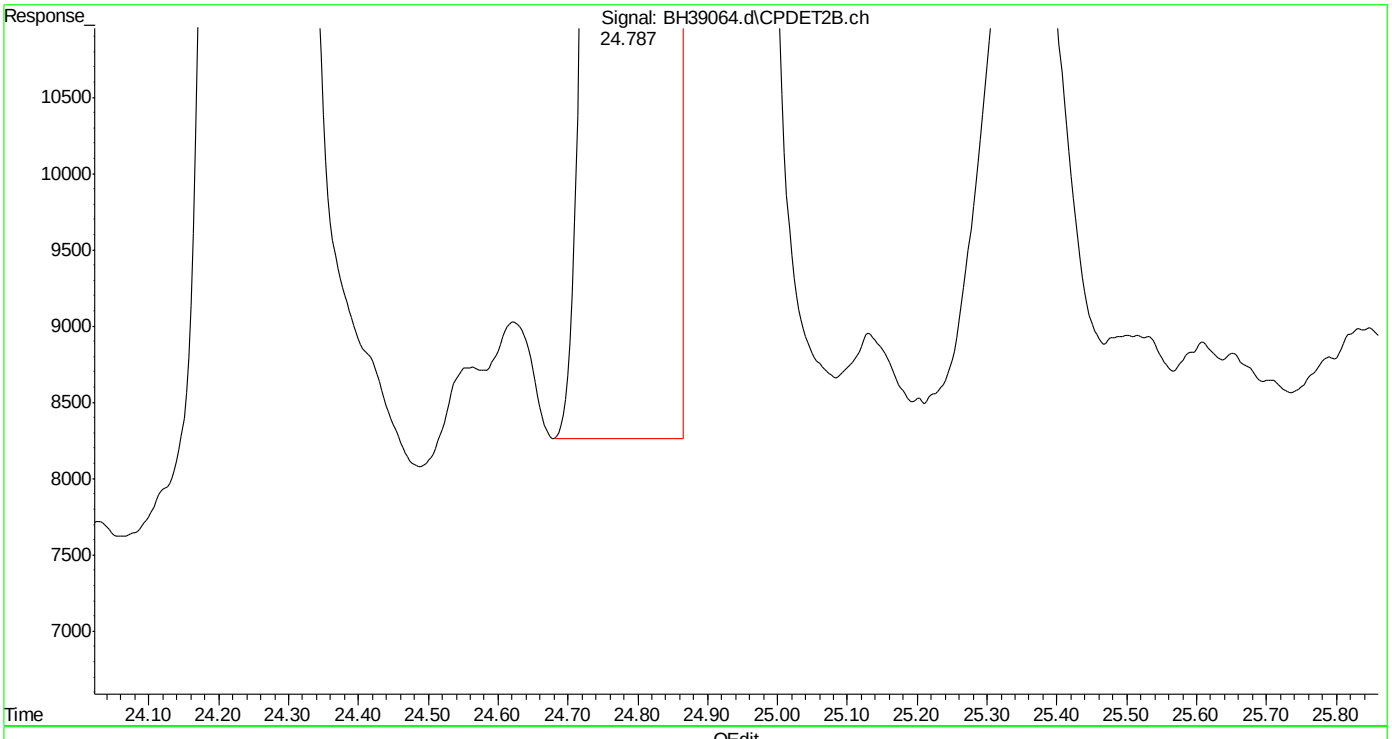
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.787min 10.987 ppb m
response 6615296

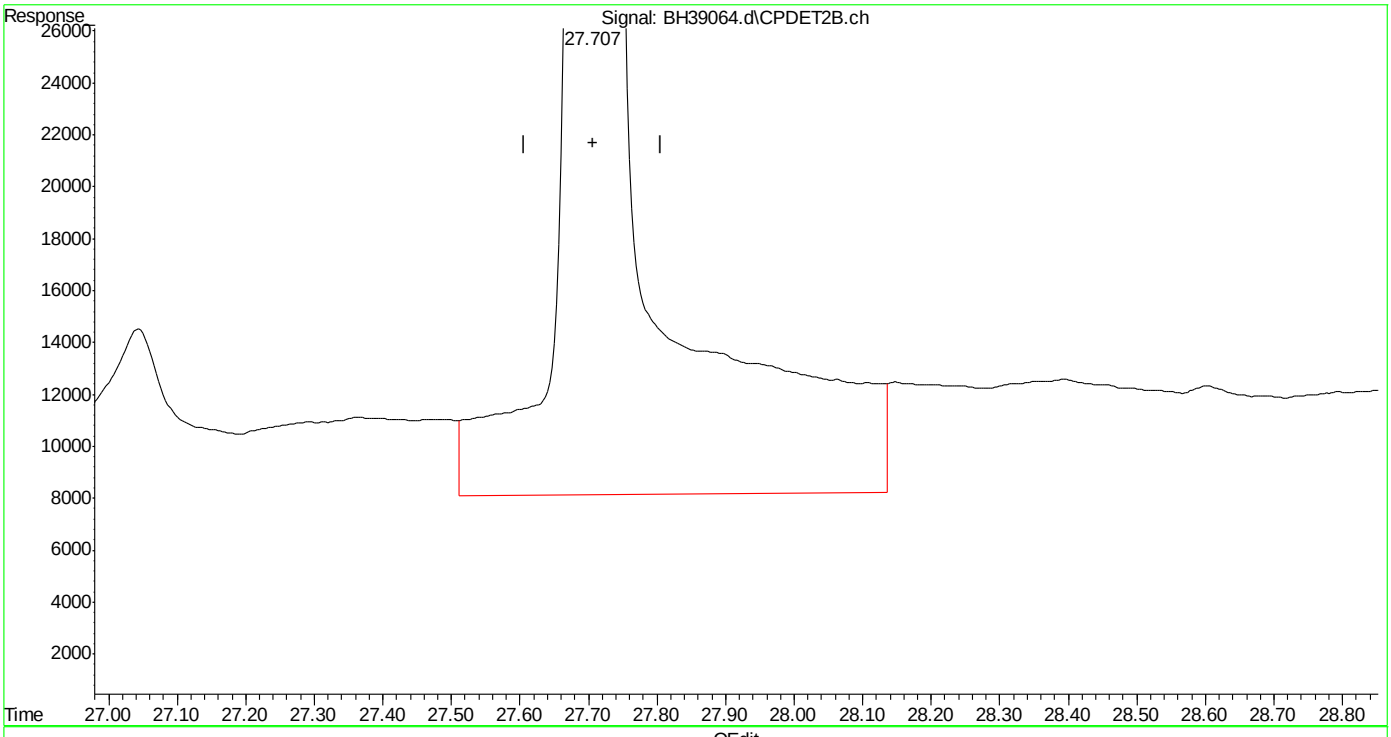
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:35 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 13.776 ppb
response 7356240

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 12:36:41 2016

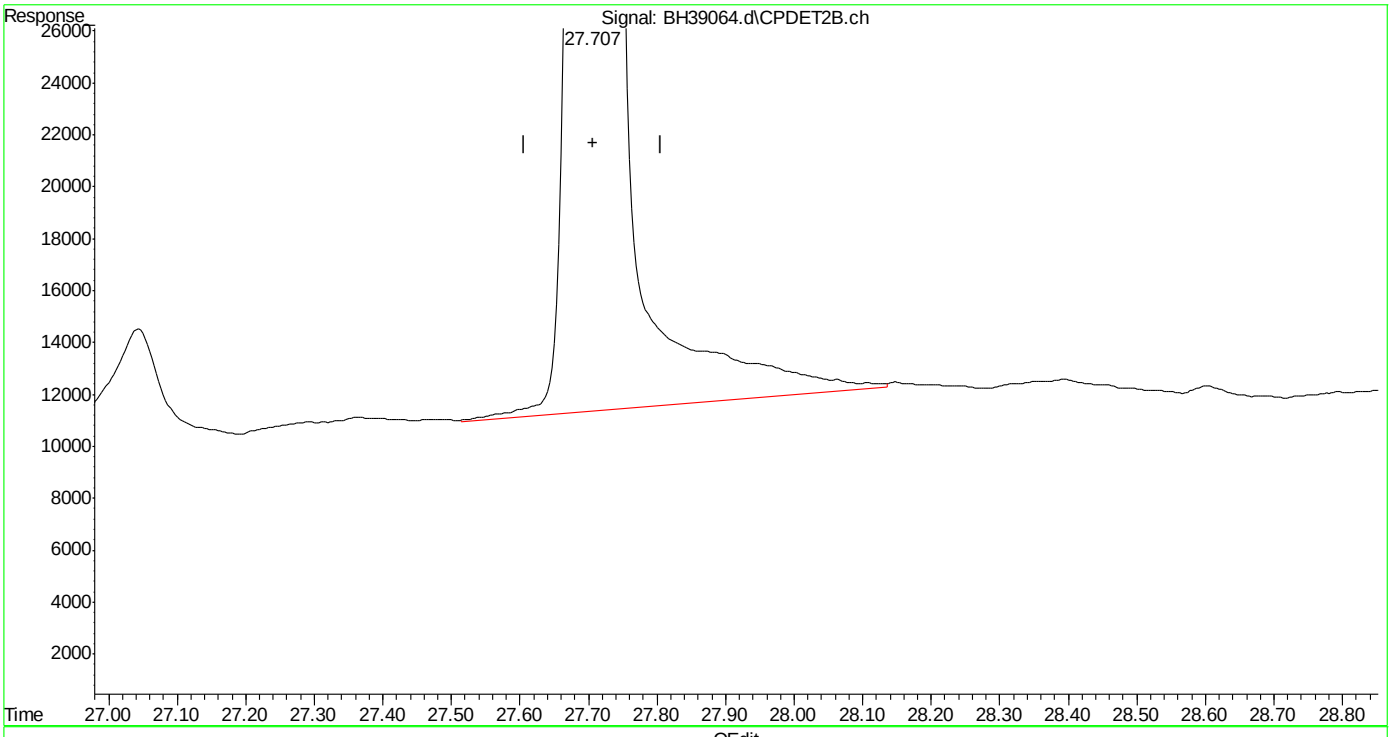
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 11.354 ppb m
response 6062976

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:50 2016

SGS ACCUTEST MC45754

BH39065.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:28:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.670	4828952	5.151	ppb	m
Spiked Amount 50.000		Recovery = 10.30%			
9) s 2,3,4-trifluorotoluene	19.784	4070940	5.209	ppb	m
Spiked Amount 50.000		Recovery = 10.42%			
25) s fluorobenzene #2	14.671	2082667	5.107	ppb	m
Spiked Amount 50.000		Recovery = 10.21%			
27) s 2,3,4-trifluorotoluen...	19.784	1289798	5.287	ppb	m
Spiked Amount 50.000		Recovery = 10.57%			
Target Compounds					
1) h rt5.5-7	5.980	4708224	5.215	ppb	m
2) h rt7/10	8.250	5141995	5.148	ppb	m
3) t mtbe	9.019	3133963	5.059	ppb	
4) h rt10/13	13.360	6233361	5.329	ppb	m
5) t benzene	14.169	6043796	5.094	ppb	m
8) t toluene	18.664	6006535	5.060	ppb	m
11) h rt20/25	21.460	5550516	5.270	ppb	m
13) t ethylbenzene	21.798	5965775	5.102	ppb	m
14) t m,p-xylene	21.942	12577792	10.247	ppb	m
15) t o-xylene	22.754	6518681	5.235	ppb	m
16) h decane	23.856	5652381	5.312	ppb	m
17) t 1,3,5-trimethylbenzene	24.253	6737462	5.178	ppb	m
18) t 1,2,4-trimethylbenzene	24.788	6872063	5.261	ppb	m
19) h butylcyclohexane	24.940	6161527	5.295	ppb	m
20) t naphthalene	27.707	4176458	5.025	ppb	m
23) t mtbe #2	9.020	1390628	4.770	ppb	m
24) t benzene #2	14.168	3298796	5.060	ppb	m
26) t toluene #2	18.664	3105756	5.083	ppb	m
28) t ethylbenzene #2	21.799	2697842	4.998	ppb	
29) t m,p-xylene #2	21.942	6728081	10.128	ppb	m
30) t o-xylene #2	22.753	2982162	5.184	ppb	m
31) t 1,3,5-trimethylbenzen...	24.254	4215296	5.100	ppb	
32) t 1,2,4-trimethylbenzen...	24.788	3241720	5.131	ppb	m
33) t naphthalene #2	27.707	2822866	4.951	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	3252659	5.153	ppb	m

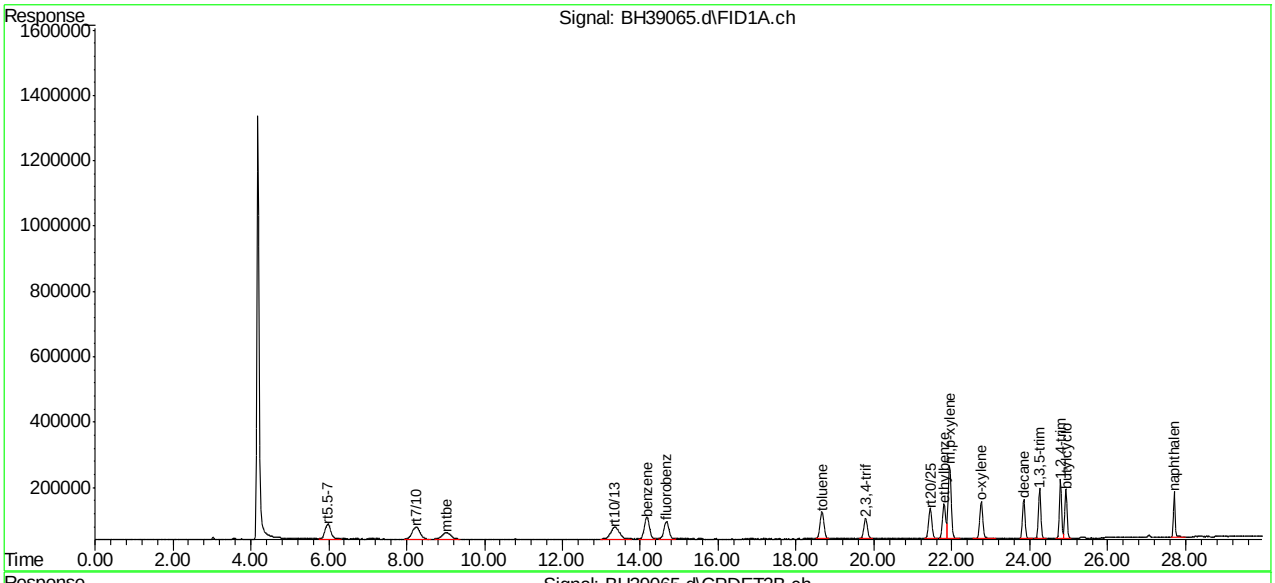
(f)=RT Delta > 1/2 Window (m)=manual int.

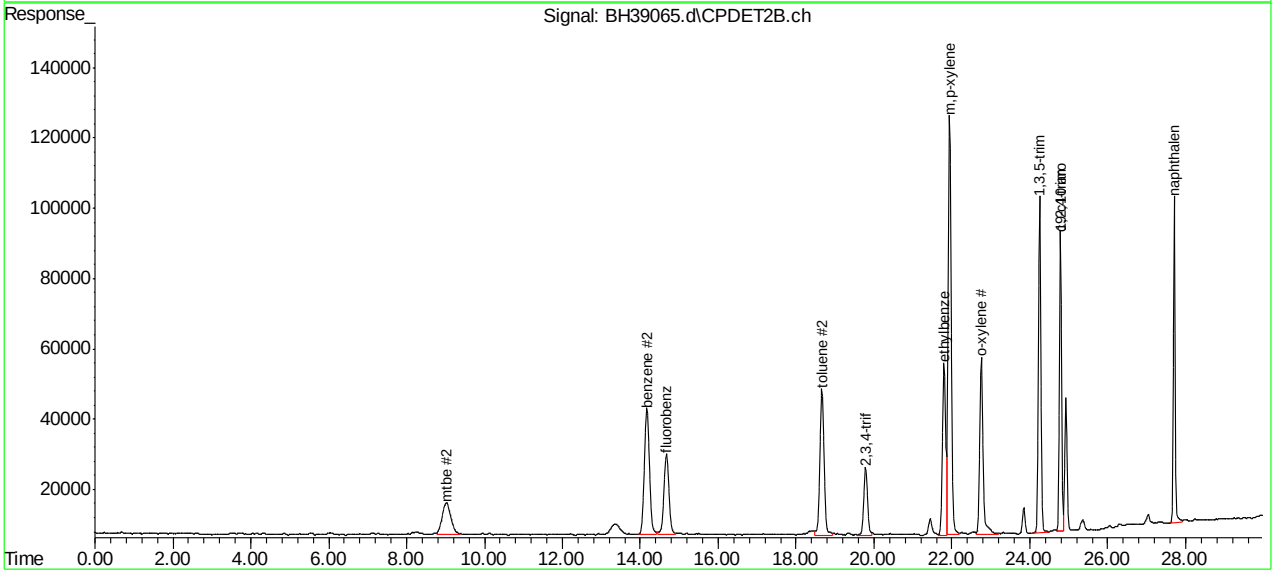
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

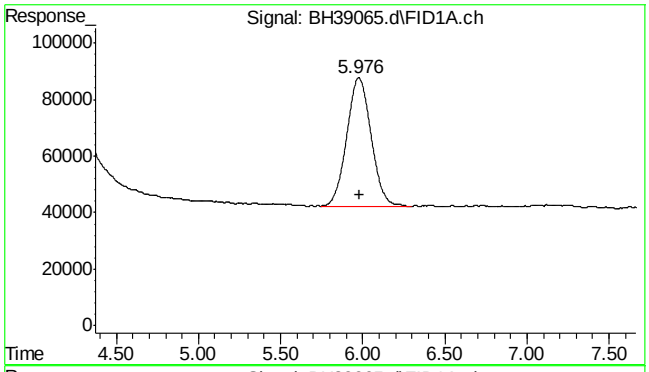
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:28:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



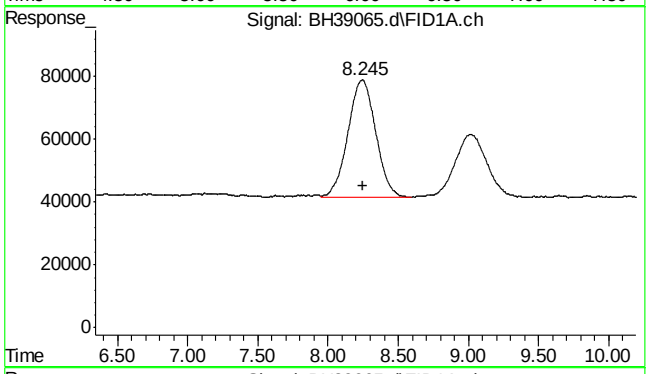


SGS ACCUTEST MC45754



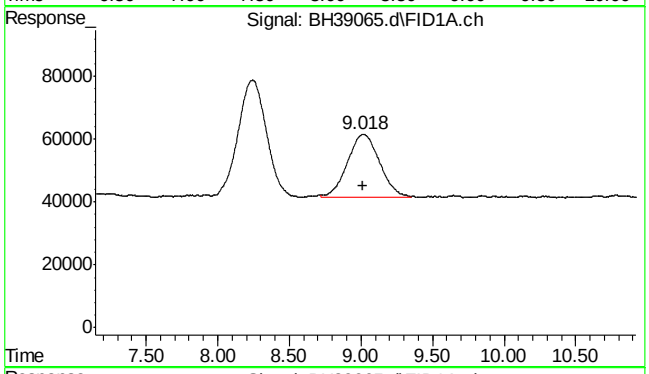
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 4708224
Conc: 5.22 ppb m



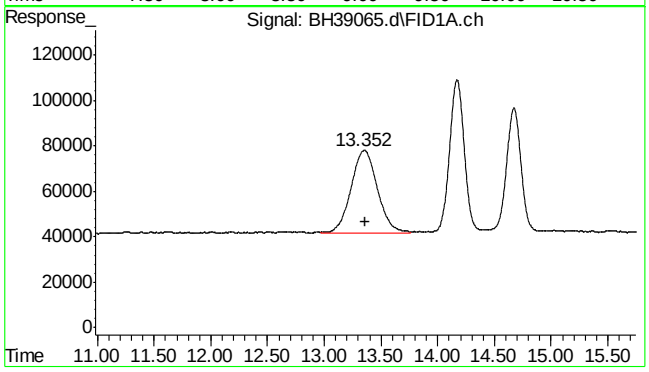
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 5141995
Conc: 5.15 ppb m



#3 mtbe

R.T.: 9.019 min
Delta R.T.: 0.006 min
Response: 3133963
Conc: 5.06 ppb



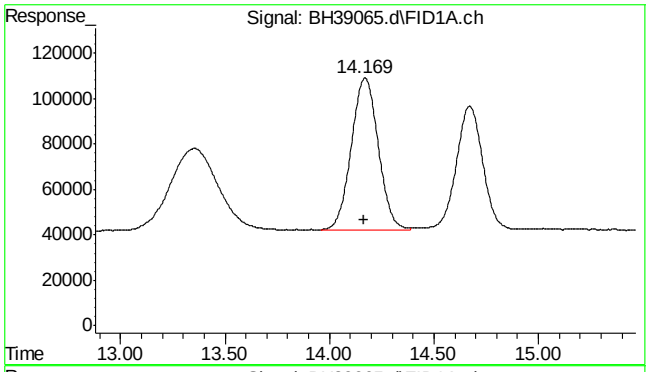
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 6233361
Conc: 5.33 ppb m

7.5.7

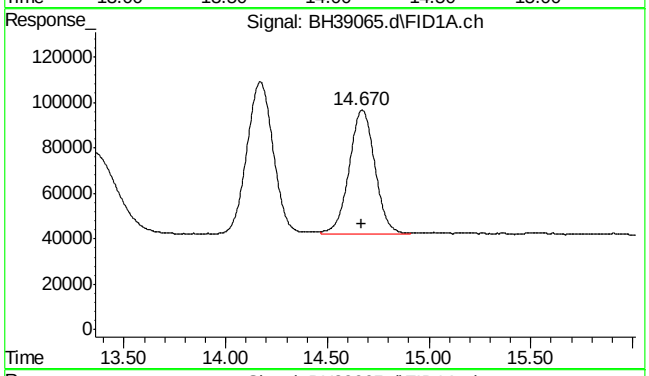
7

SGS ACCUTEST MC45754



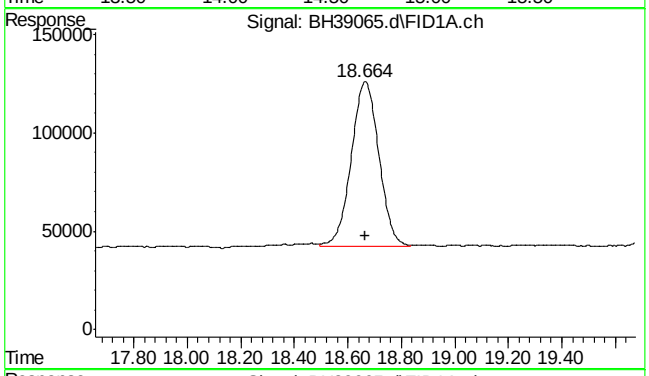
#5 benzene

R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 6043796
Conc: 5.09 ppb m



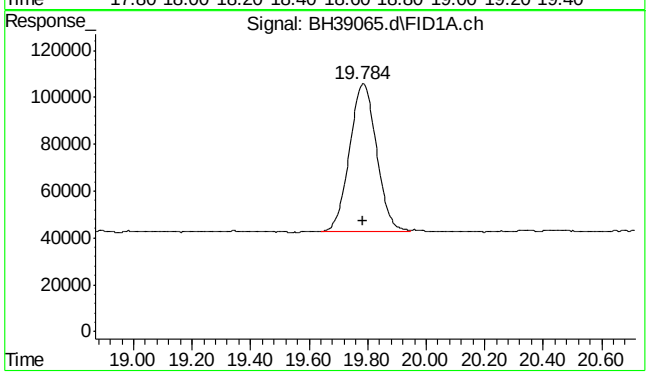
#6 fluorobenzene

R.T.: 14.670 min
Delta R.T.: 0.001 min
Response: 4828952
Conc: 5.15 ppb m



#8 toluene

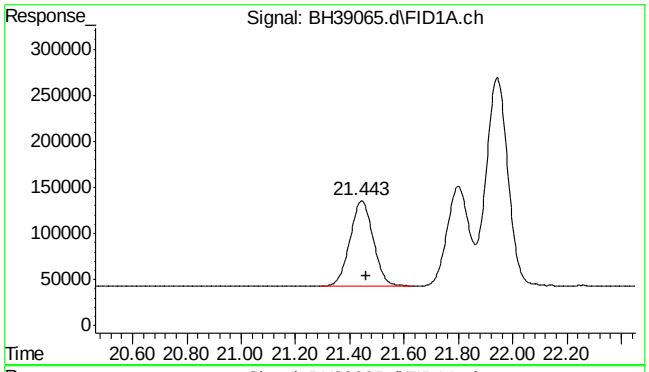
R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 6006535
Conc: 5.06 ppb m



#9 2,3,4-trifluorotoluene

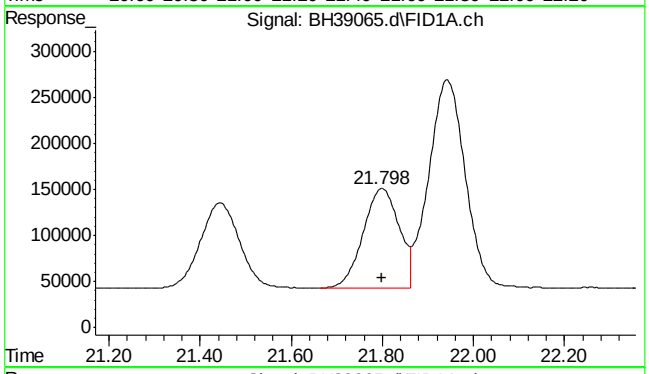
R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 4070940
Conc: 5.21 ppb m

SGS ACCUTEST MC45754



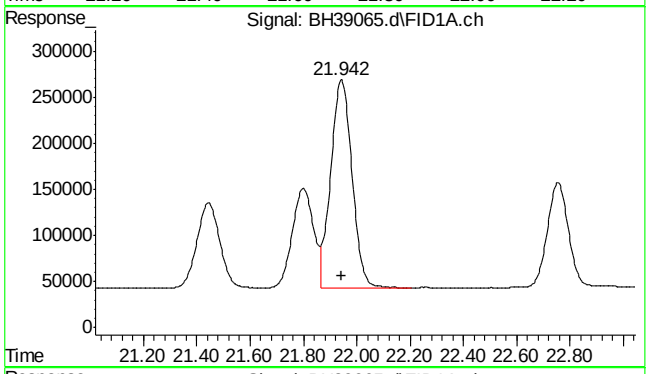
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 5550516
Conc: 5.27 ppb m



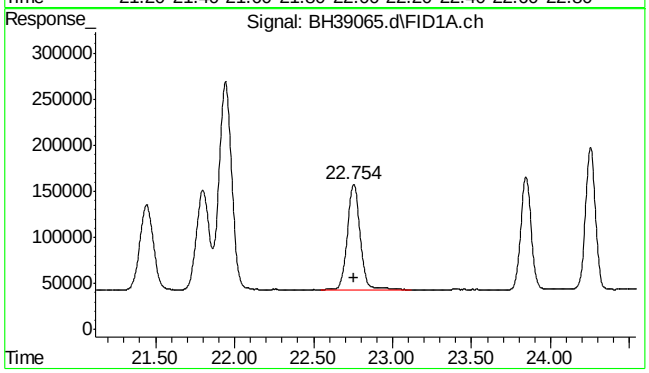
#13 ethylbenzene

R.T.: 21.798 min
Delta R.T.: 0.000 min
Response: 5965775
Conc: 5.10 ppb m



#14 m,p-xylene

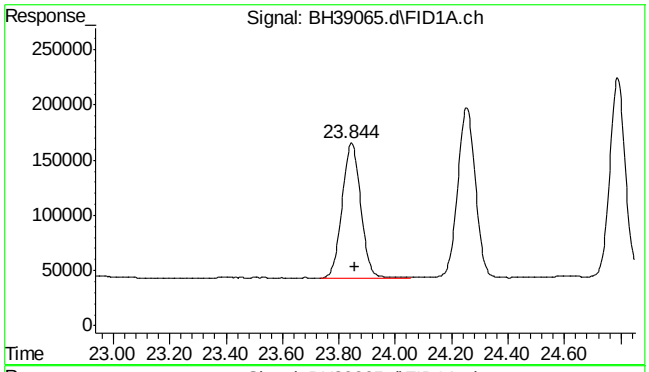
R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 12577792
Conc: 10.25 ppb m



#15 o-xylene

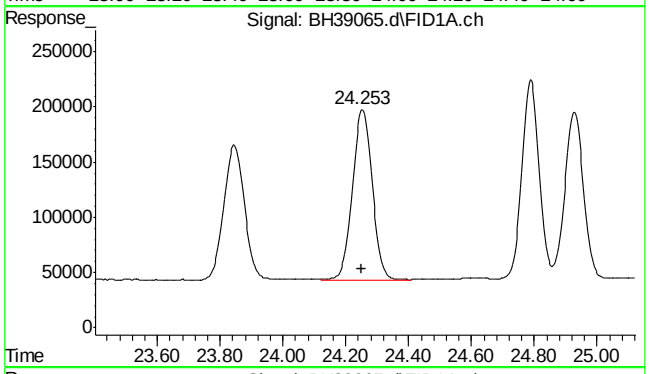
R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 6518681
Conc: 5.24 ppb m

SGS ACCUTEST MC45754



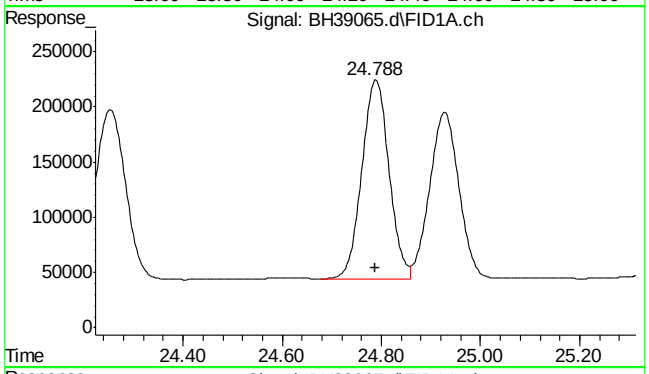
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 5652381
Conc: 5.31 ppb m



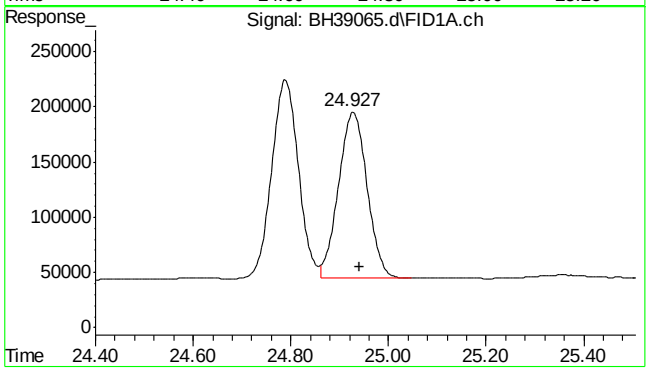
#17 1,3,5-trimethylbenzene

R.T.: 24.253 min
Delta R.T.: 0.000 min
Response: 6737462
Conc: 5.18 ppb m



#18 1,2,4-trimethylbenzene

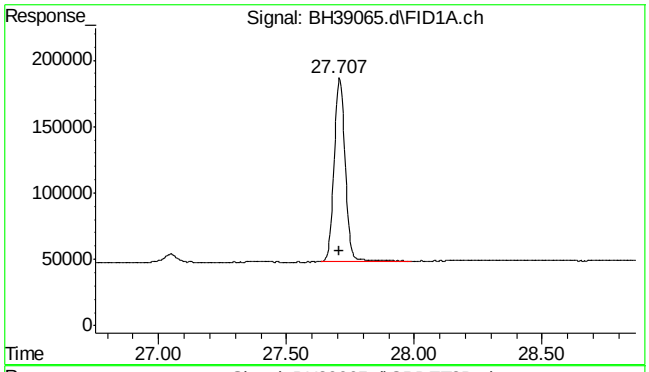
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 6872063
Conc: 5.26 ppb m



#19 butylcyclohexane

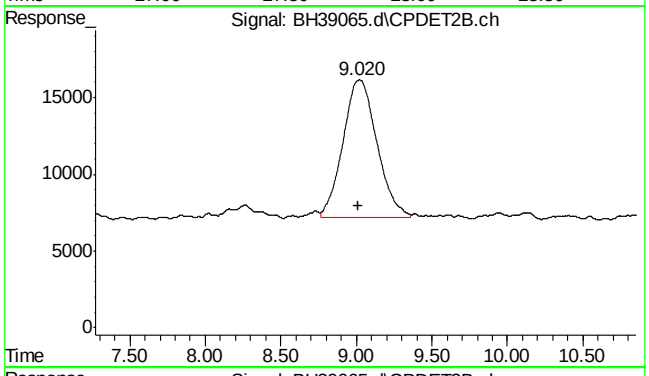
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 6161527
Conc: 5.29 ppb m

SGS ACCUTEST MC45754



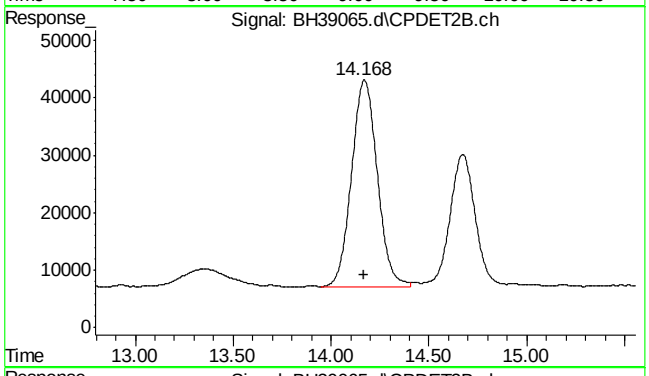
#20 naphthalene

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 4176458
Conc: 5.02 ppb m



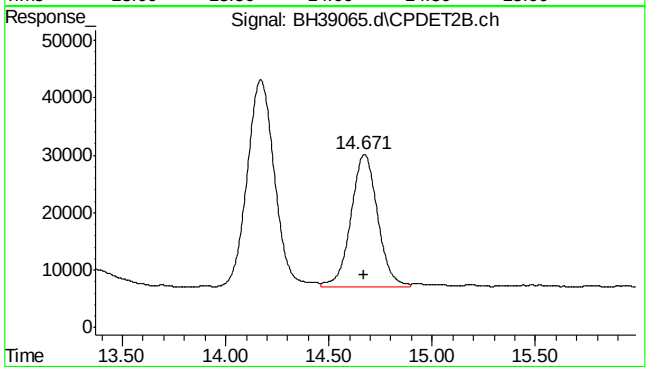
#23 mtbe #2

R.T.: 9.020 min
Delta R.T.: 0.007 min
Response: 1390628
Conc: 4.77 ppb m



#24 benzene #2

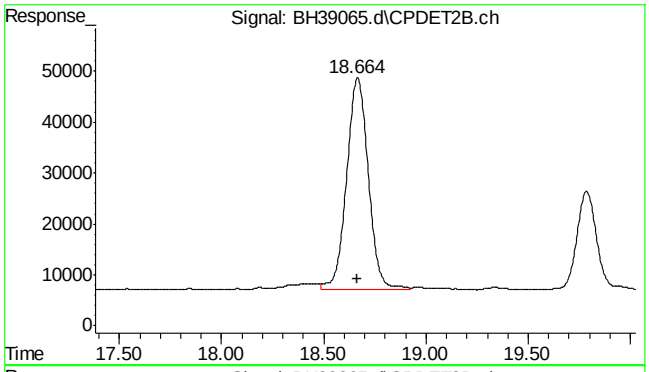
R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 3298796
Conc: 5.06 ppb m



#25 fluorobenzene #2

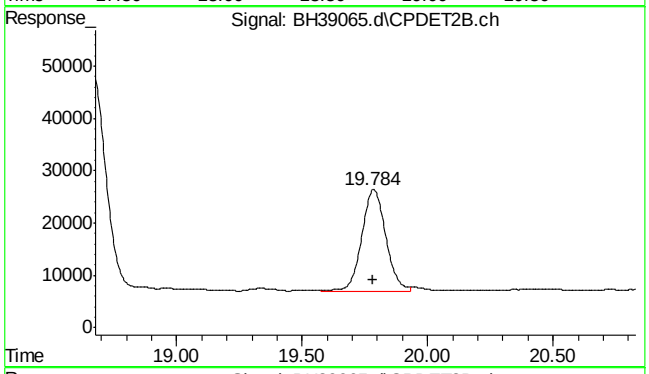
R.T.: 14.671 min
Delta R.T.: 0.003 min
Response: 2082667
Conc: 5.11 ppb m

SGS ACCUTEST MC45754



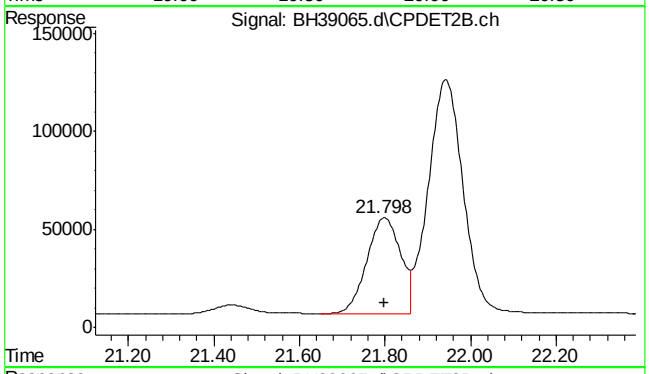
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 3105756
Conc: 5.08 ppb m



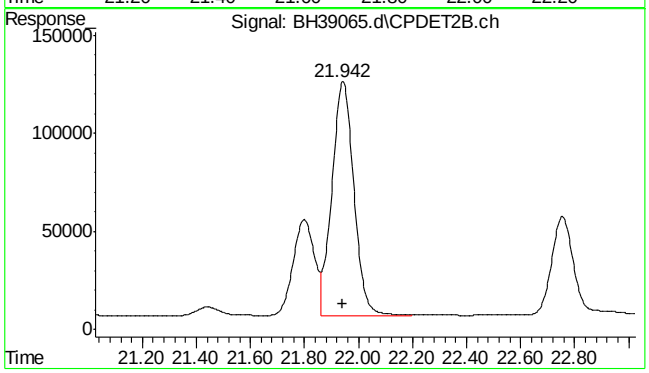
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 1289798
Conc: 5.29 ppb m



#28 ethylbenzene #2

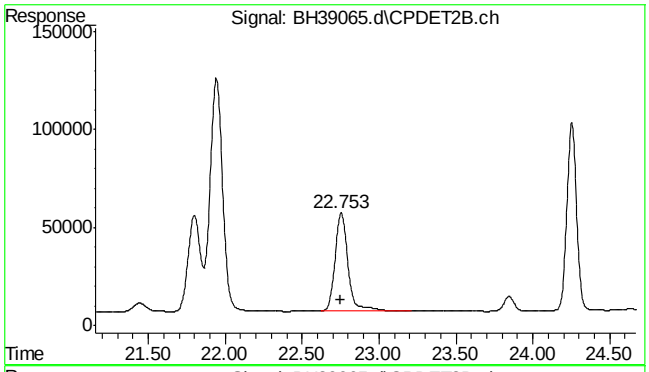
R.T.: 21.799 min
Delta R.T.: 0.002 min
Response: 2697842
Conc: 5.00 ppb



#29 m,p-xylene #2

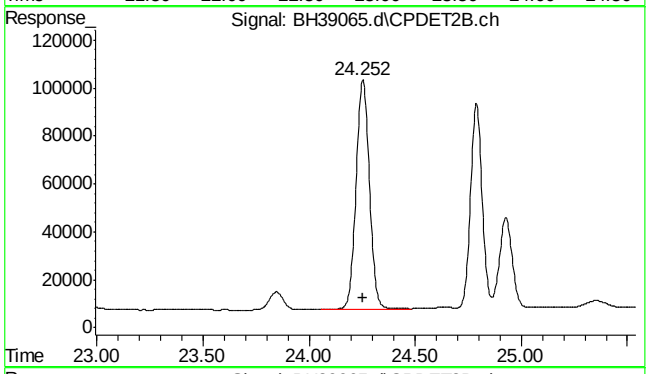
R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 6728081
Conc: 10.13 ppb m

SGS ACCUTEST MC45754



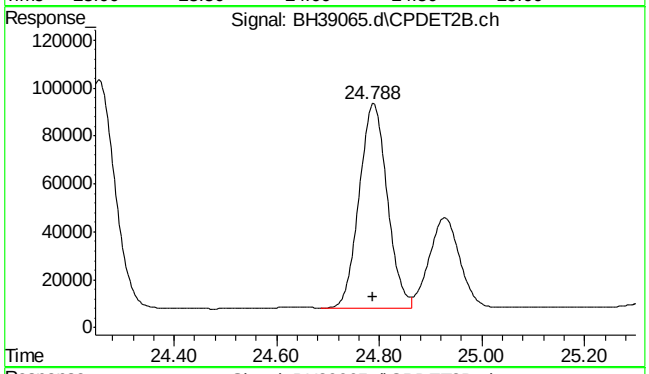
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 2982162
Conc: 5.18 ppb m



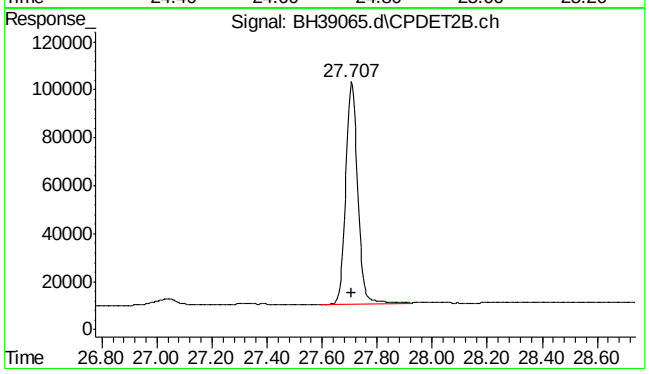
#31 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.002 min
Response: 4215296
Conc: 5.10 ppb



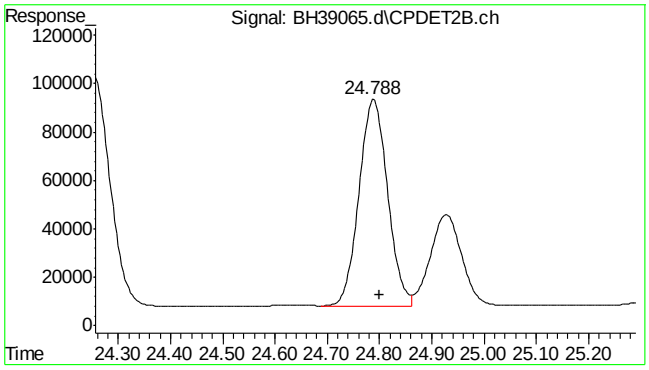
#32 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 3241720
Conc: 5.13 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 2822866
Conc: 4.95 ppb m



#34 c9-c10 arom as 1,2,4-tmb

R.T.:	24.800 min
Delta R.T.:	0.000 min
Response:	3252659
Conc:	5.15 ppb m

7.5.7

7

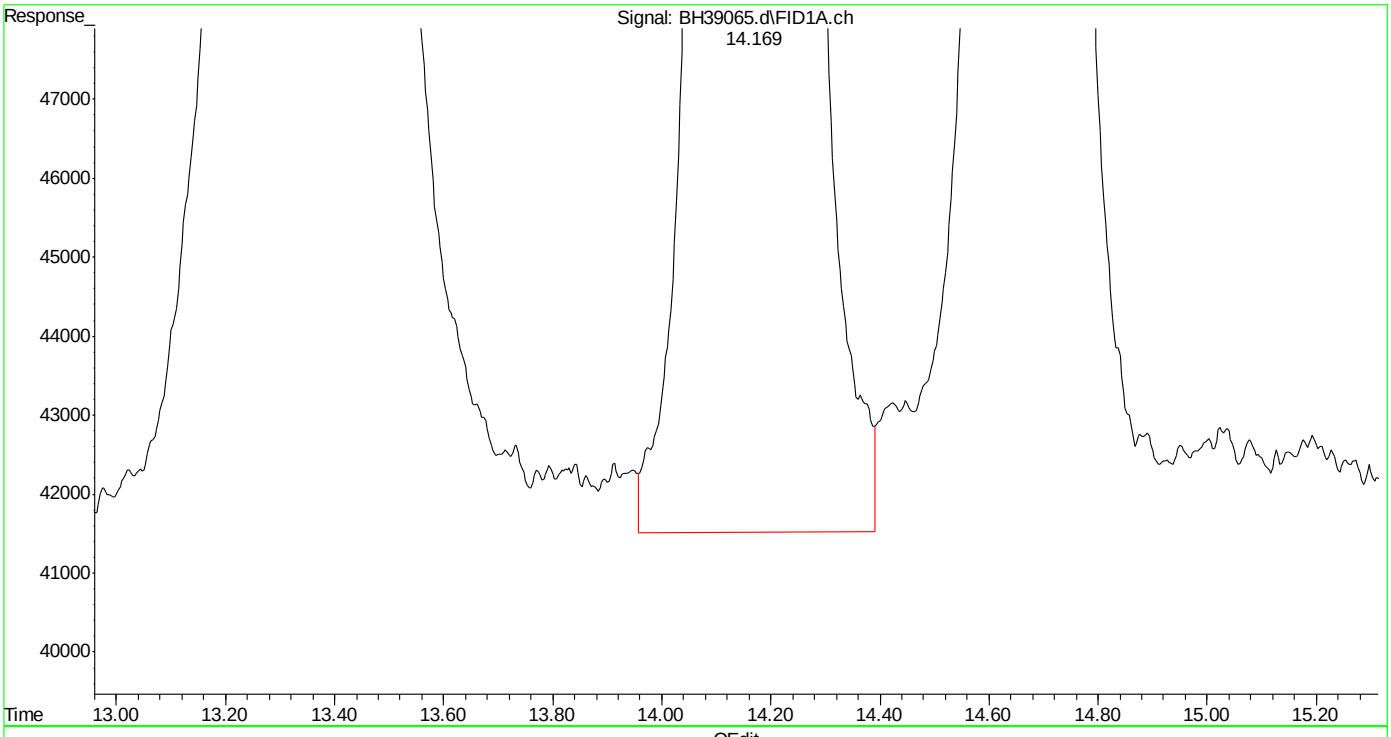
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.170min 5.210 ppb
response 6180767

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:22 2016 Page: 1

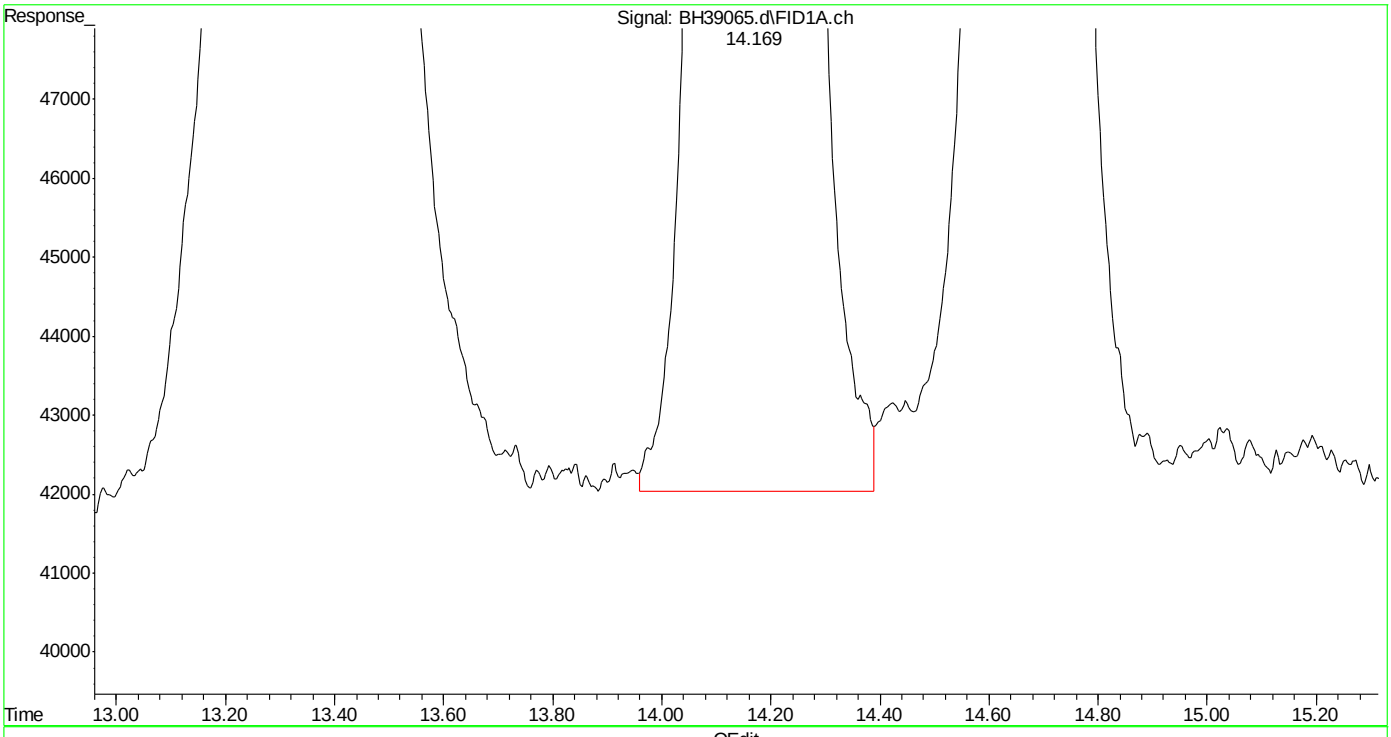
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.169min 5.094 ppb m
response 6043796

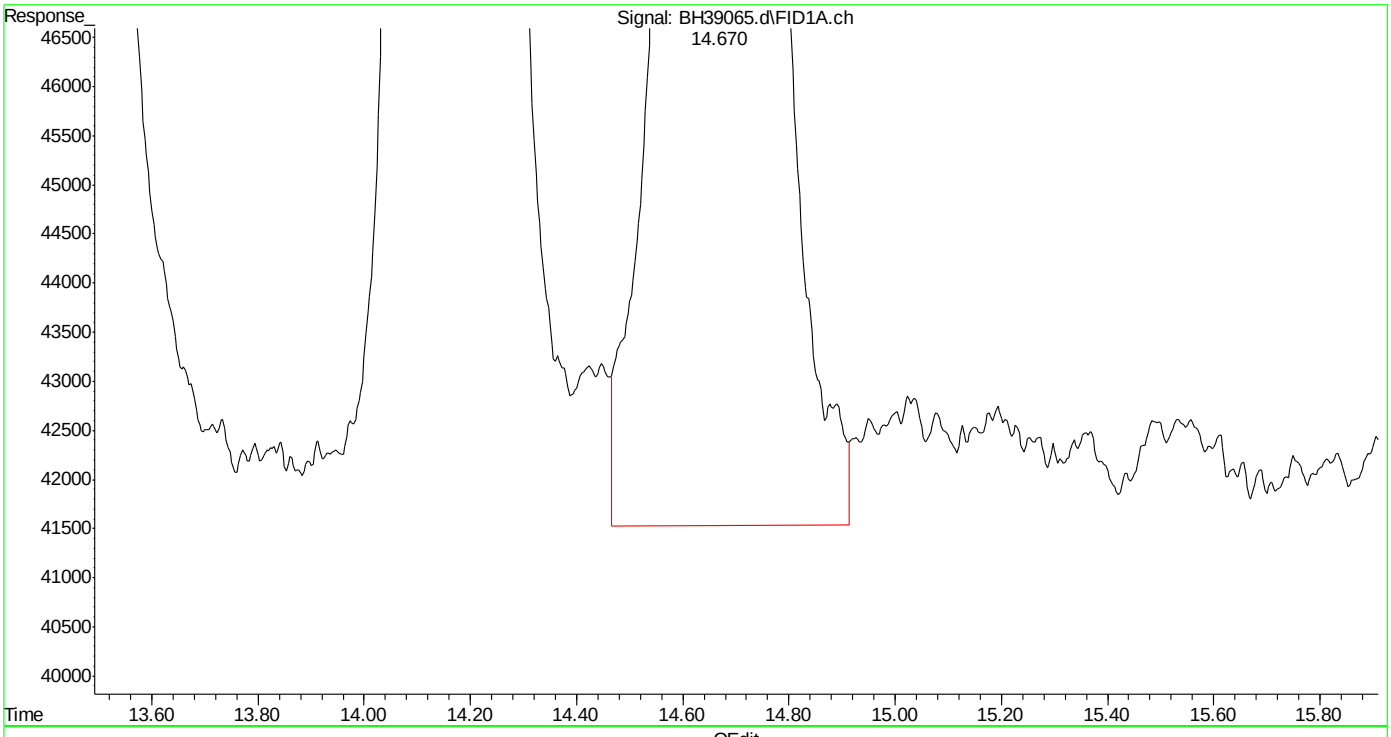
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.671min 5.302 ppb
response 4970242

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:33 2016 Page: 1

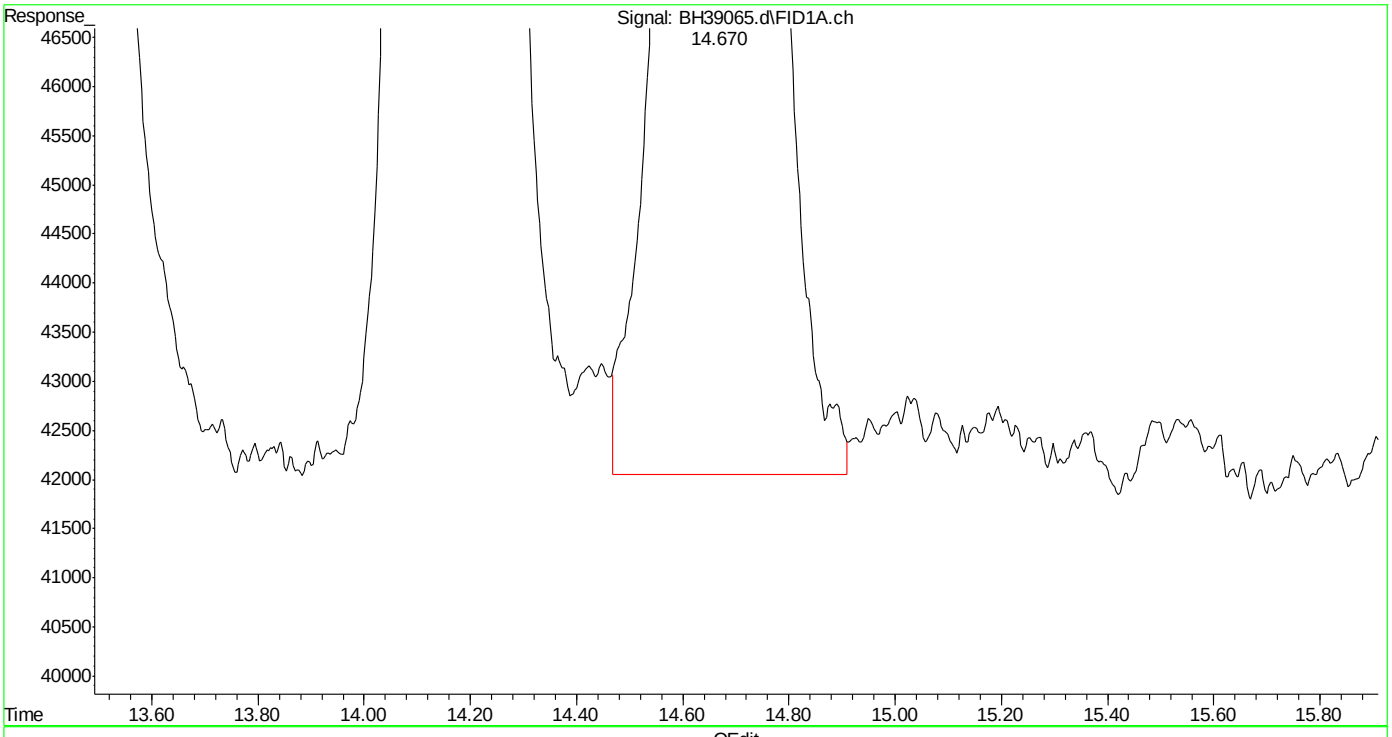
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.670min 5.151 ppb m
response 4828952

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:43 2016 Page: 1

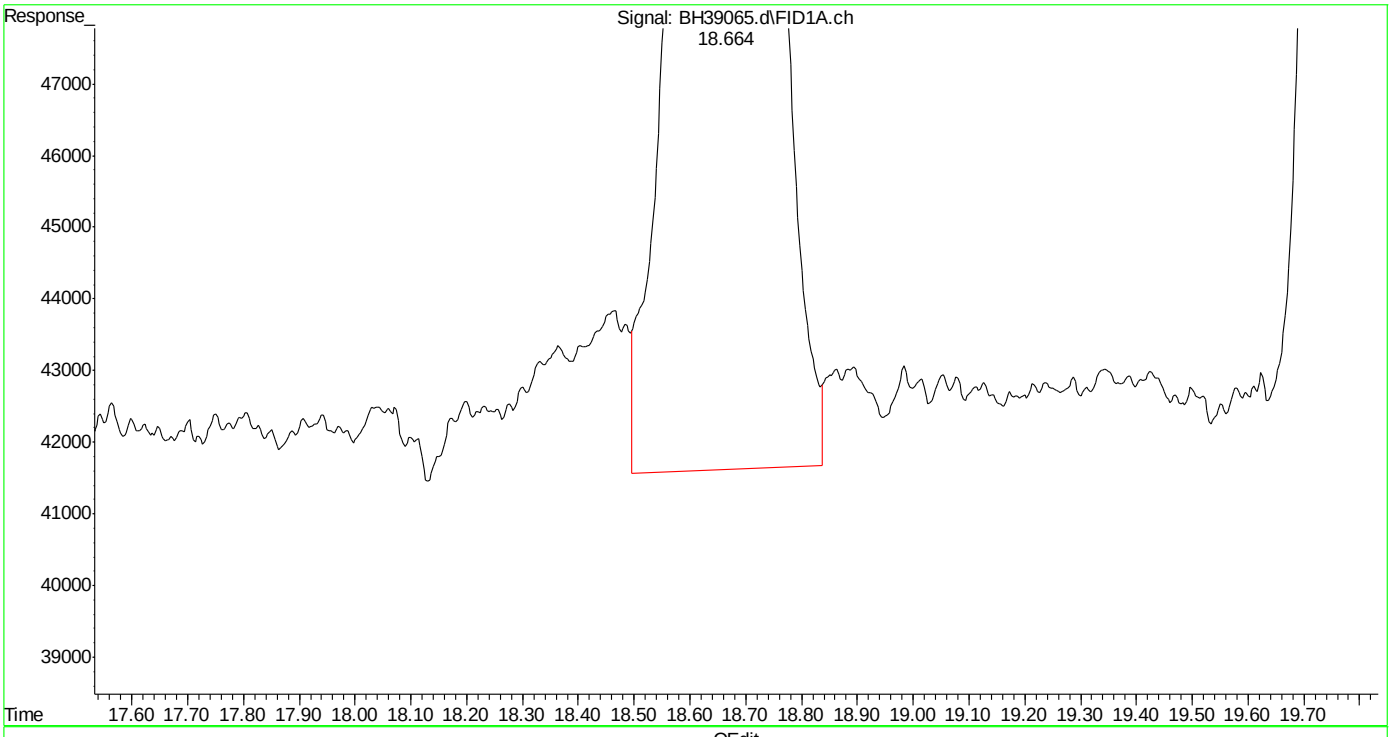
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.666min 5.191 ppb
response 6161338

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:48 2016

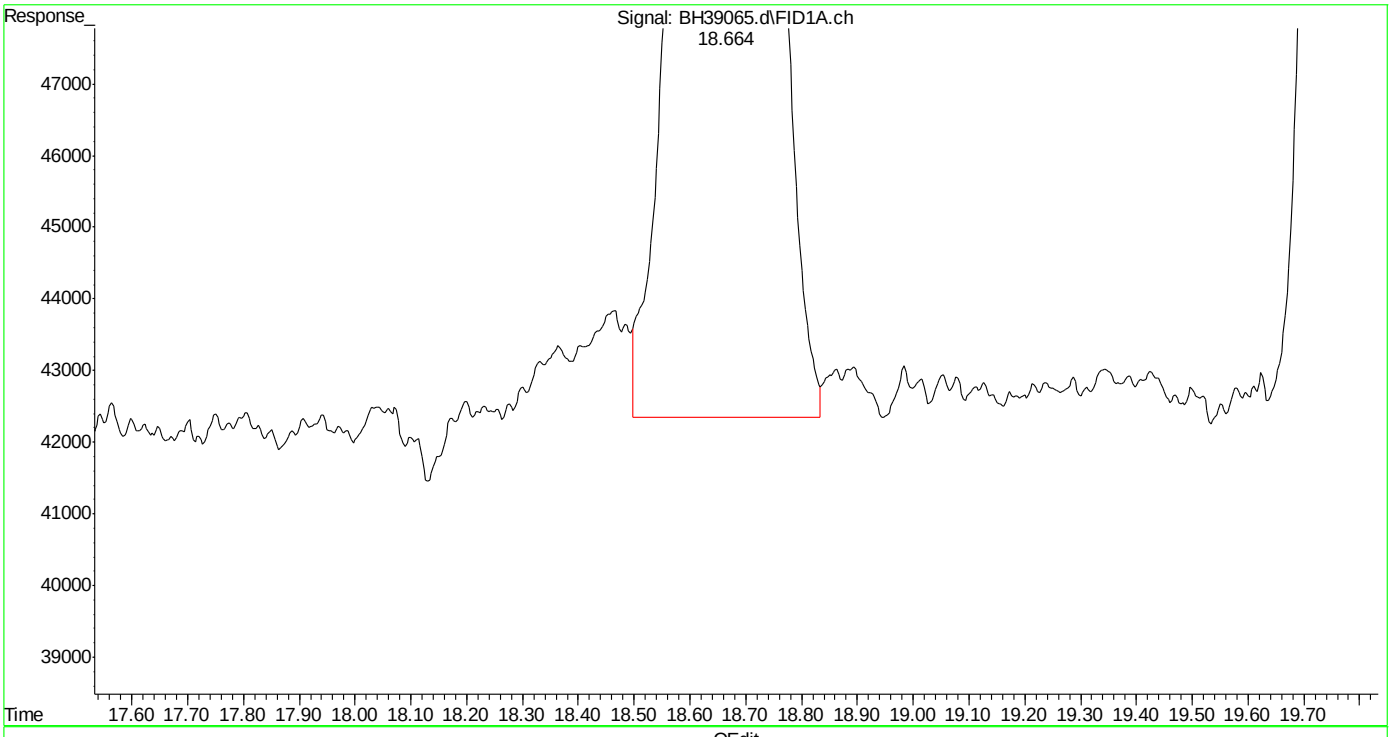
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.664min 5.060 ppb m
response 6006535

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:56 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(9) 2,3,4-trifluorotoluene (s)
19.785min 5.453 ppb
response 4261419

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:01 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(9) 2,3,4-trifluorotoluene (s)
19.784min 5.209 ppb m
response 4070940

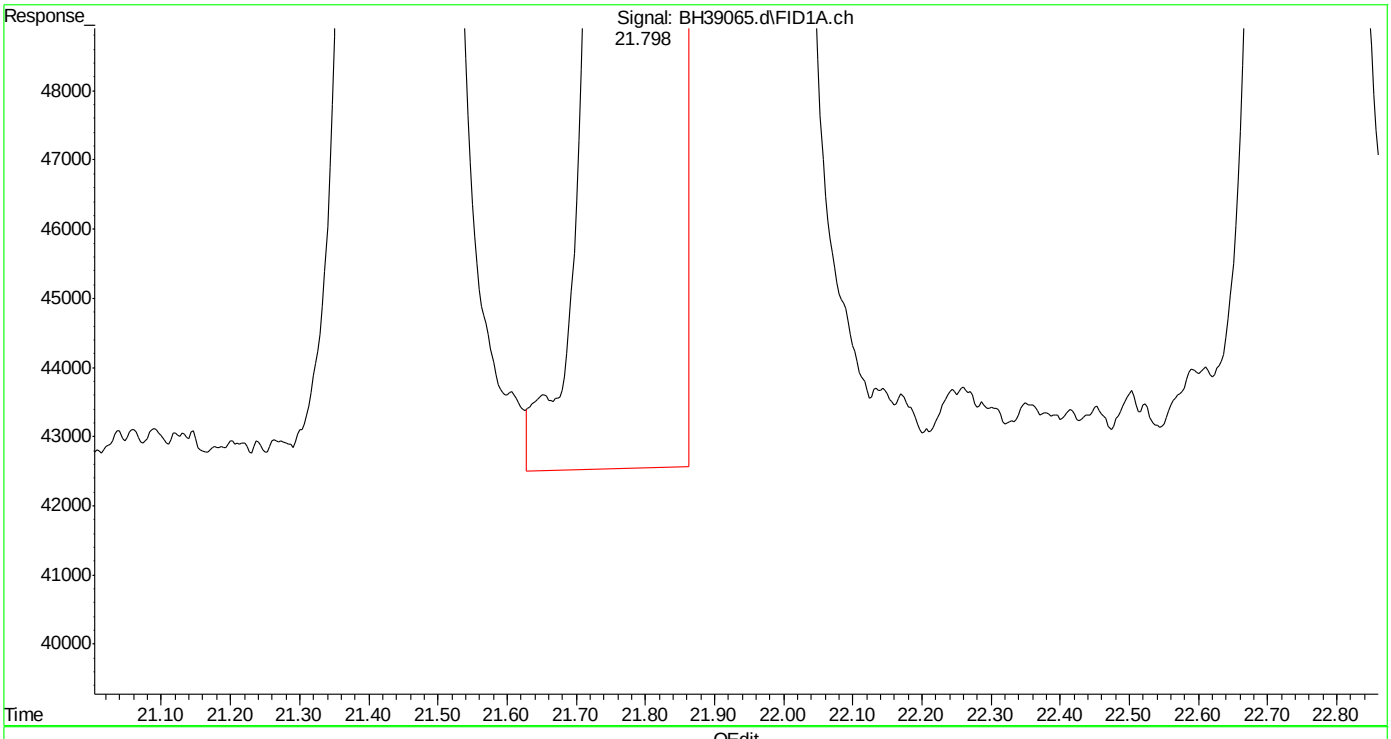
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.800min 5.151 ppb
response 6022462

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:32 2016

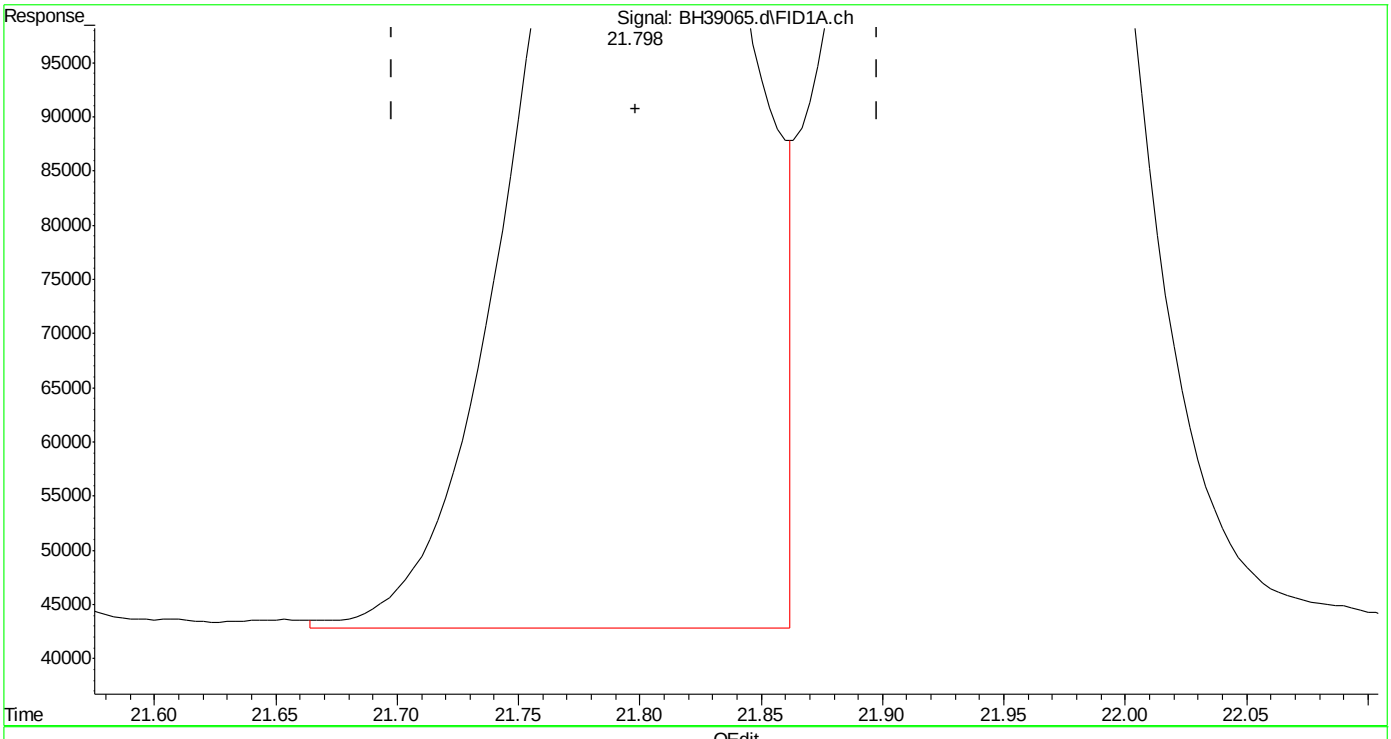
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.798min 5.102 ppb m
response 5965775

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:51 2016 Page: 1

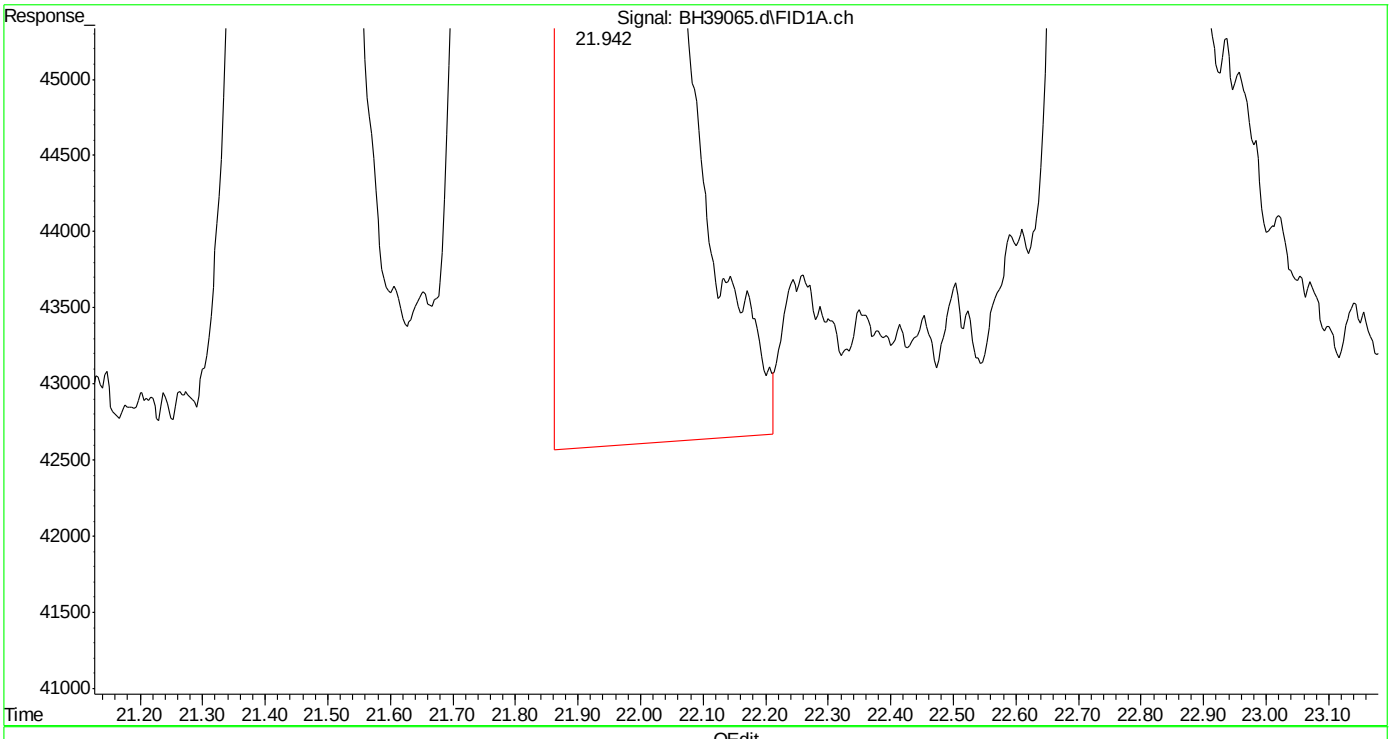
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 10.364 ppb
response 12721518

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:56 2016

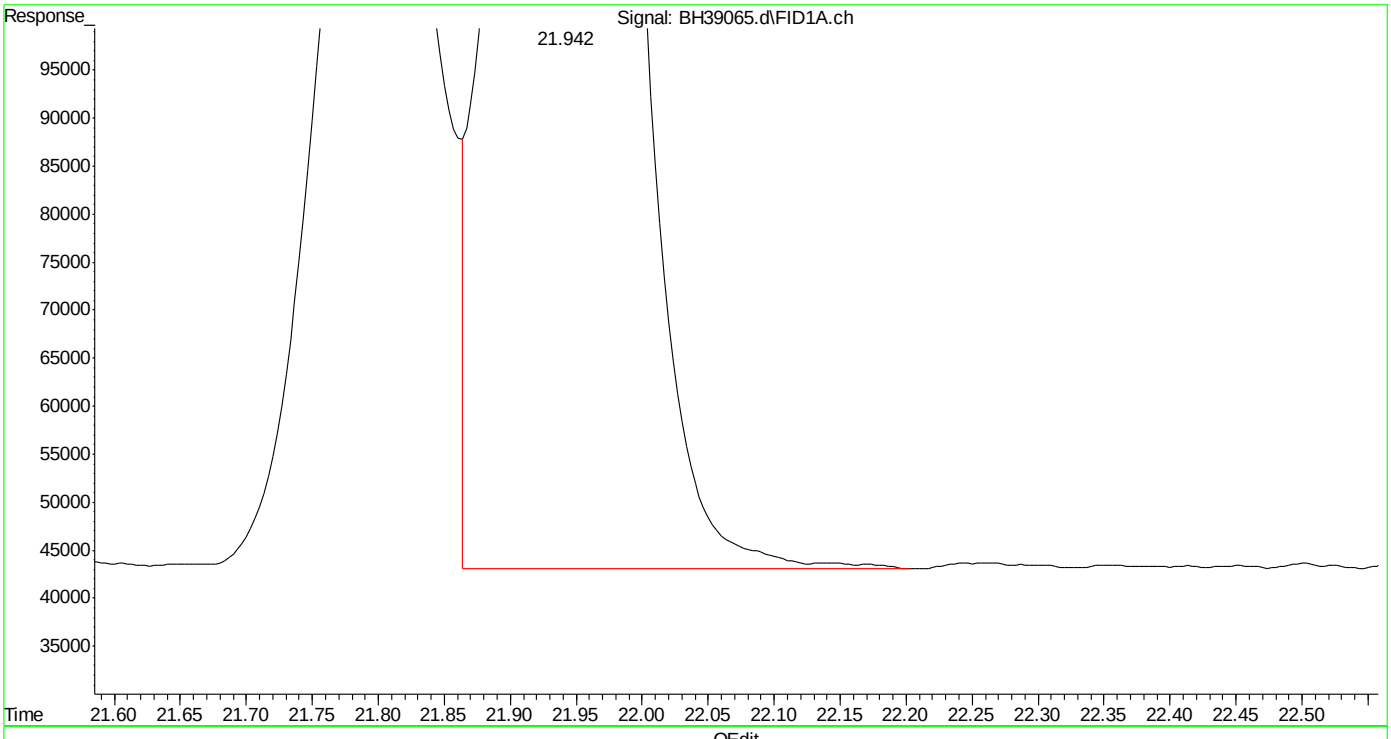
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.942min 10.247 ppb m
response 12577792

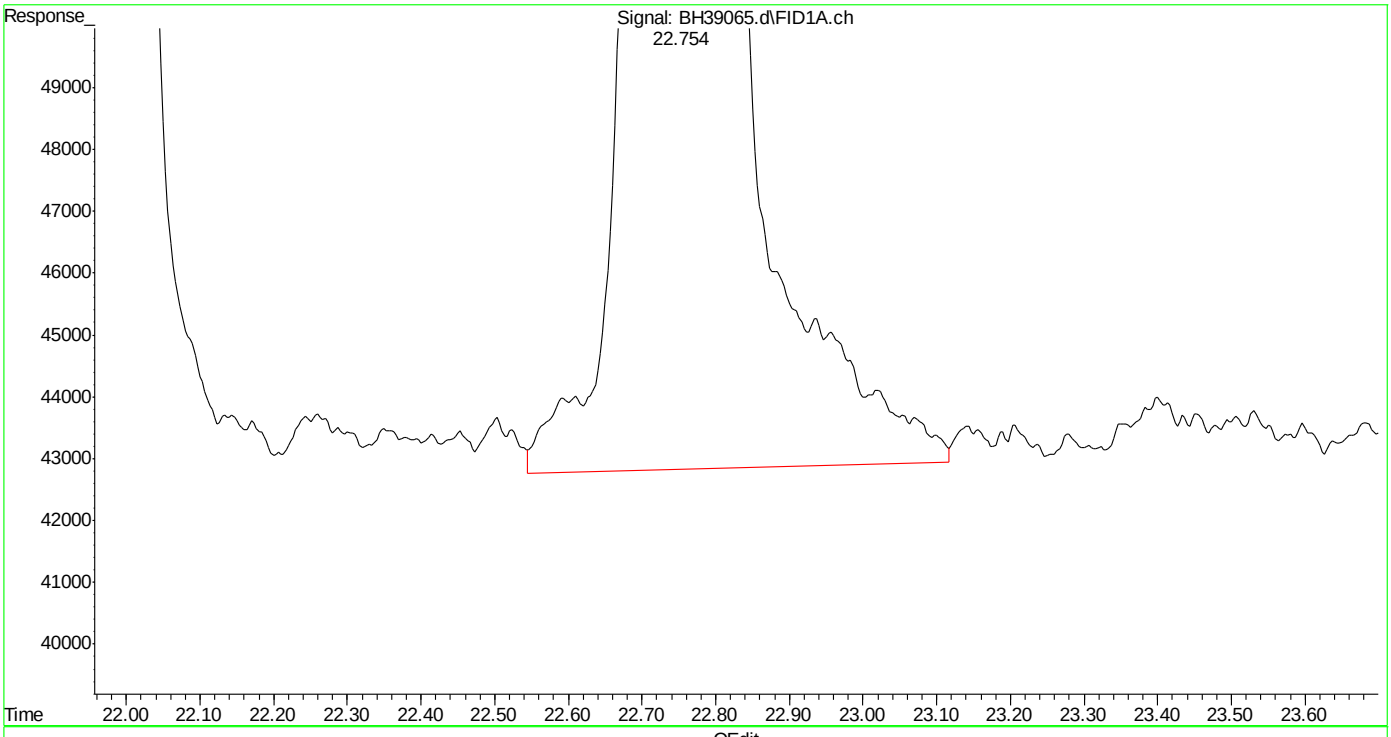
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:05 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.755min 5.310 ppb
response 6611096

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:20 2016

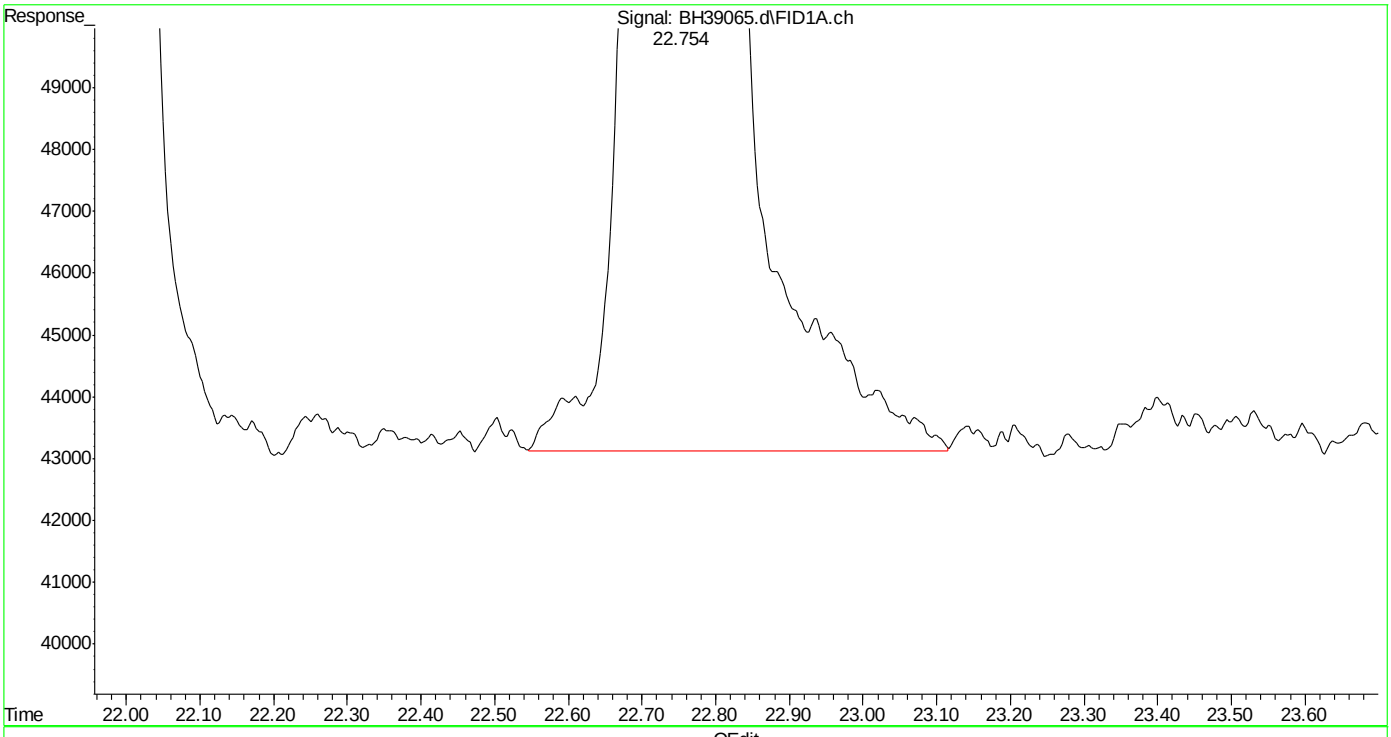
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.754min 5.235 ppb m
response 6518681

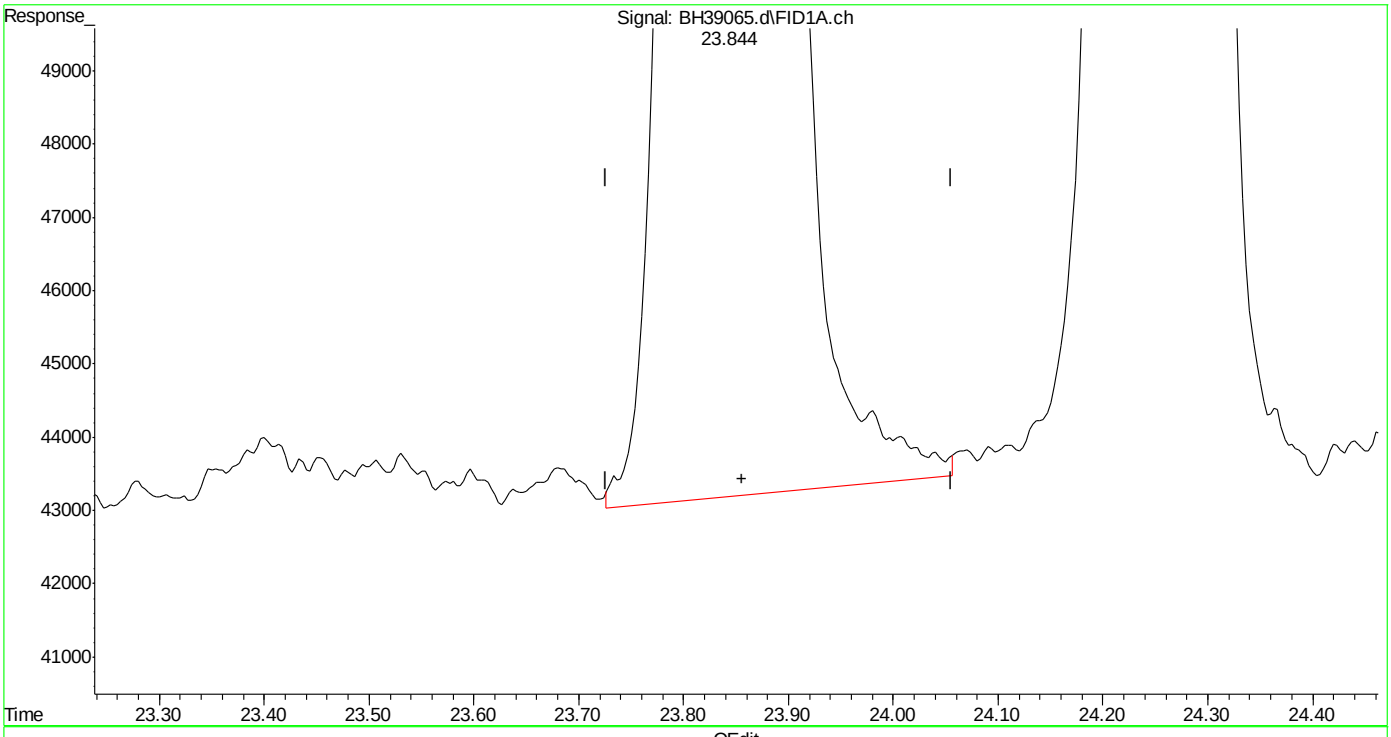
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 5.291 ppb
response 5630528

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:34 2016

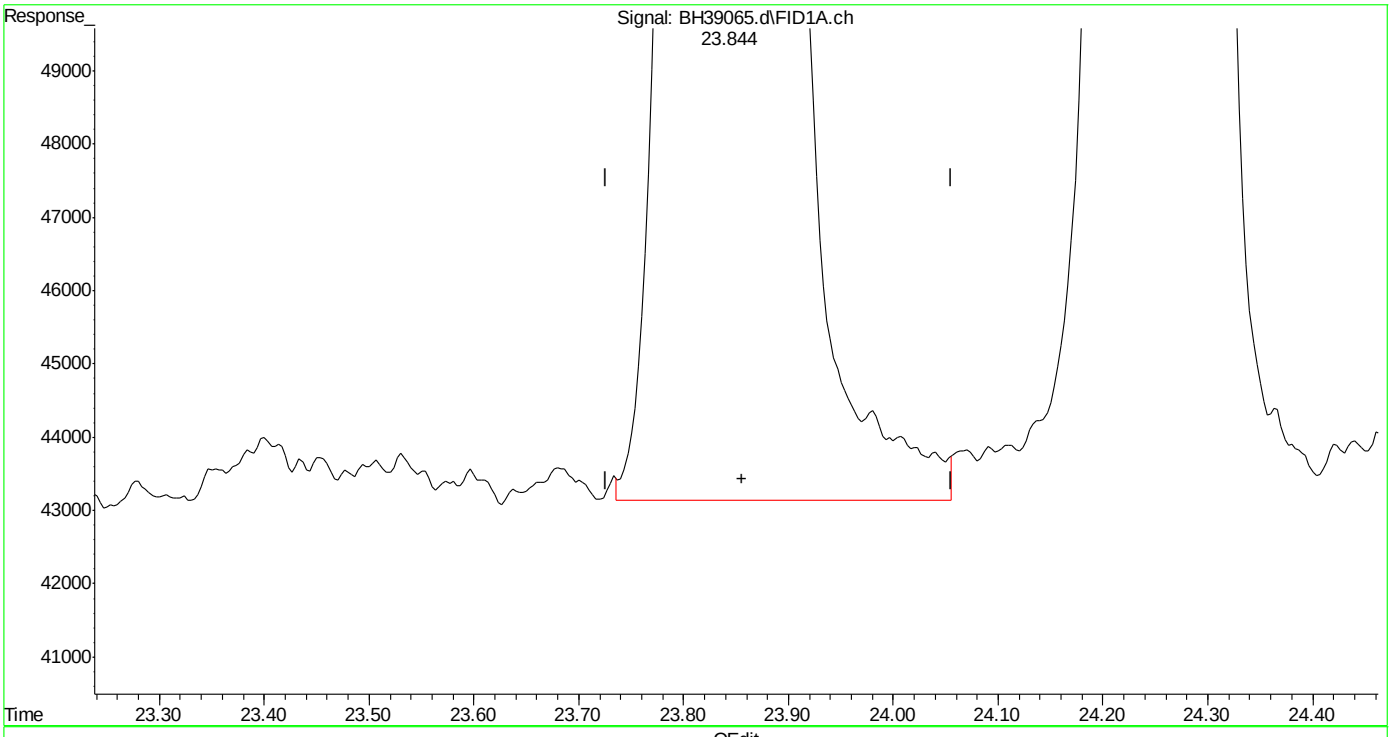
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 5.312 ppb m
response 5652381

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:39 2016

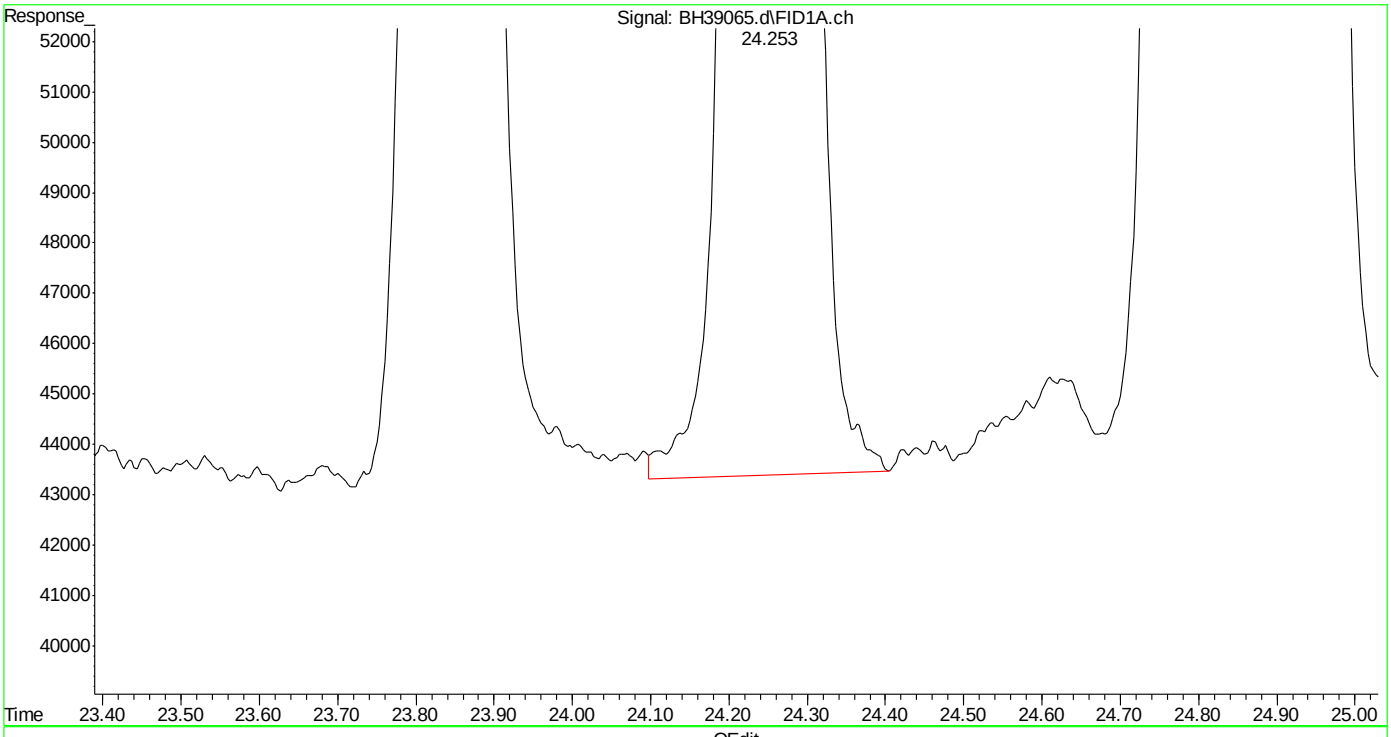
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 5.189 ppb
response 6751596

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:45 2016

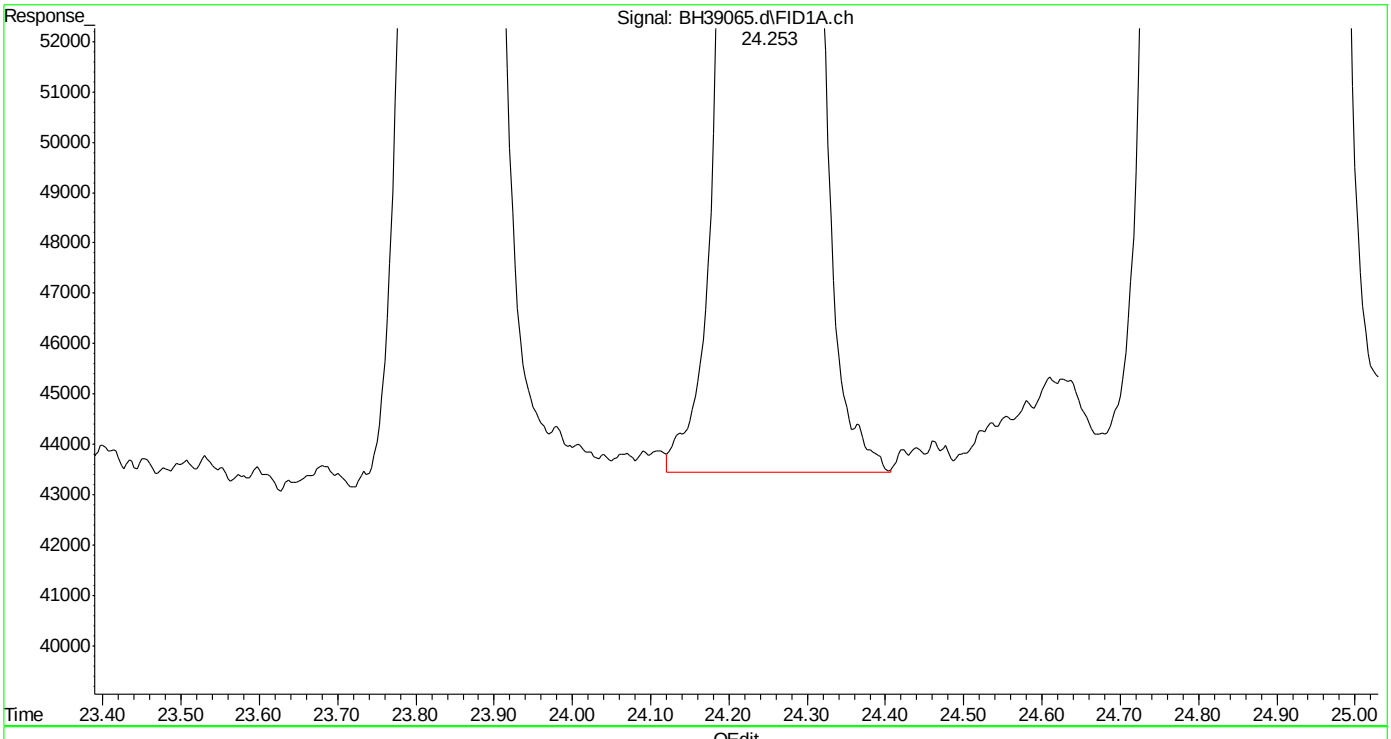
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.253min 5.178 ppb m
response 6737462

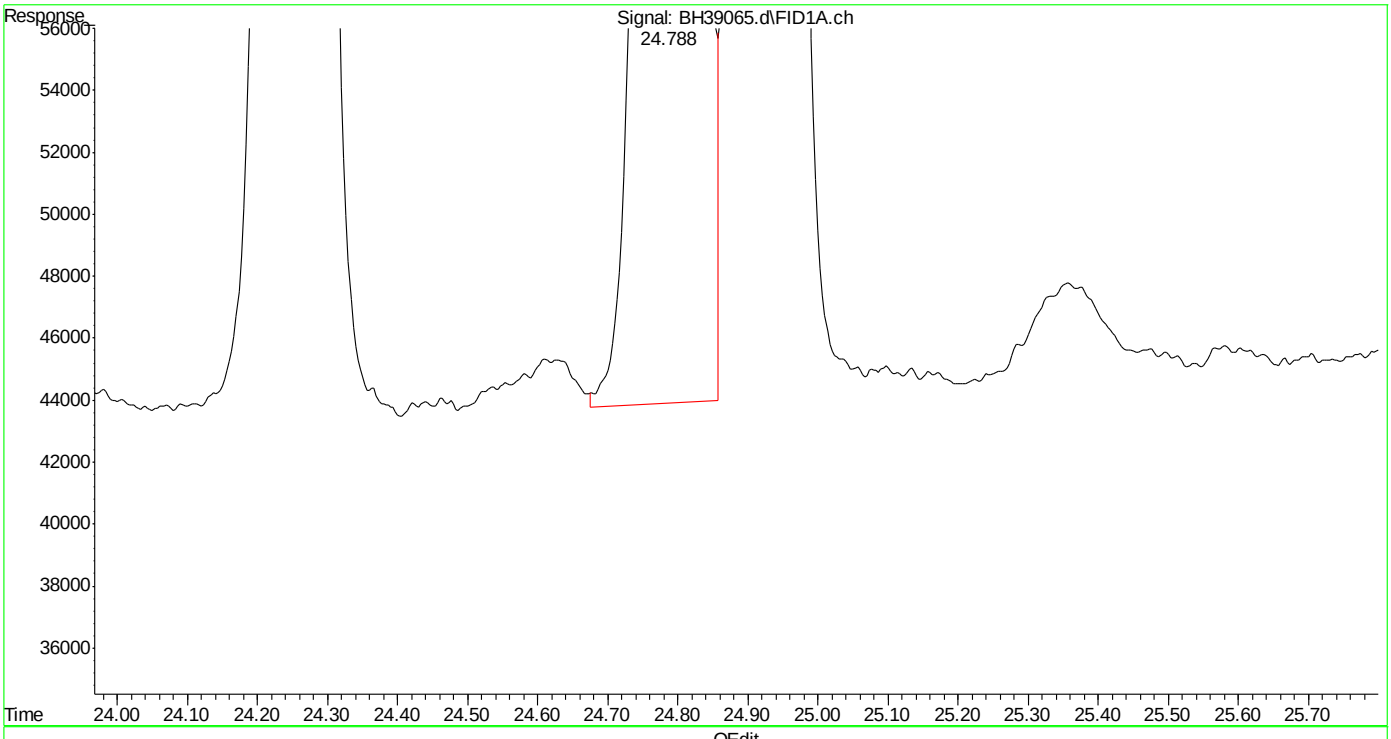
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:51 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.789min 5.282 ppb
response 6899255

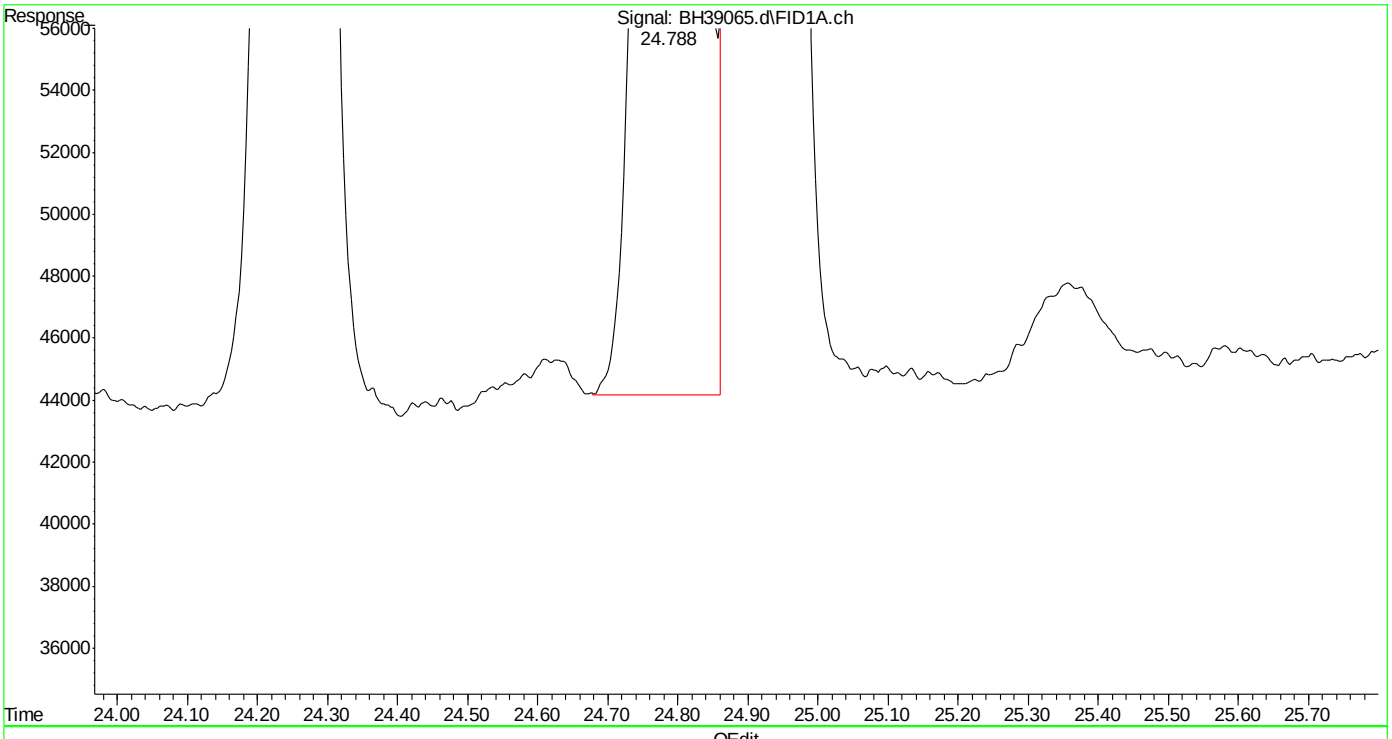
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:56 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 5.261 ppb m
response 6872063

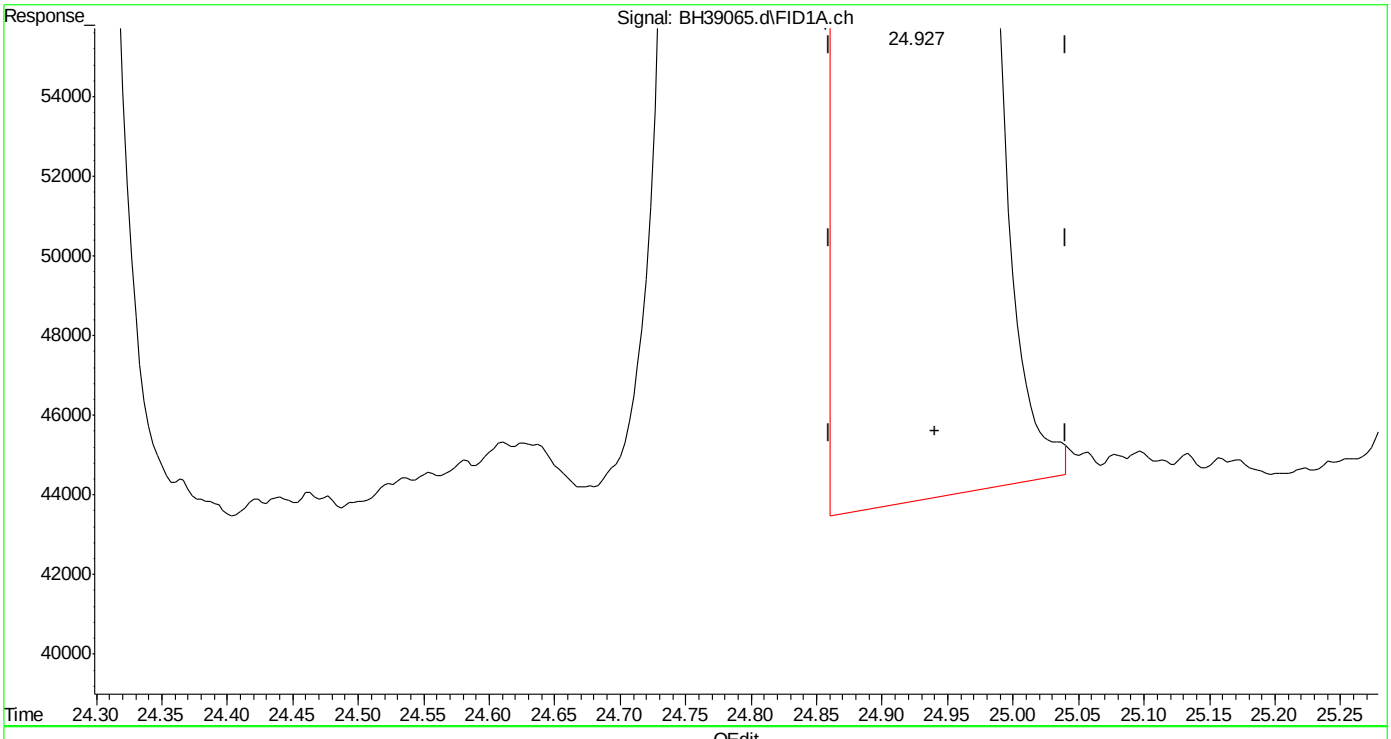
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 5.313 ppb
response 6182541

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:07 2016

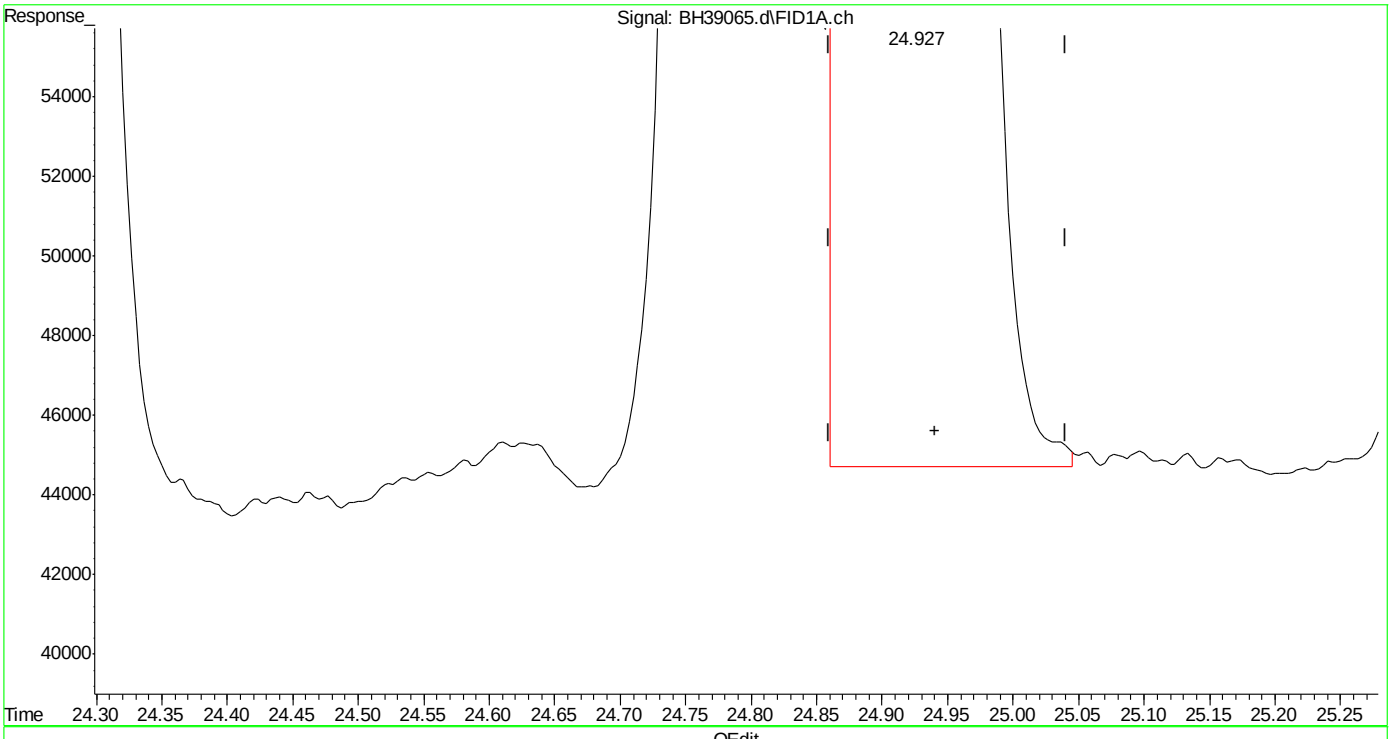
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 5.295 ppb m
response 6161527

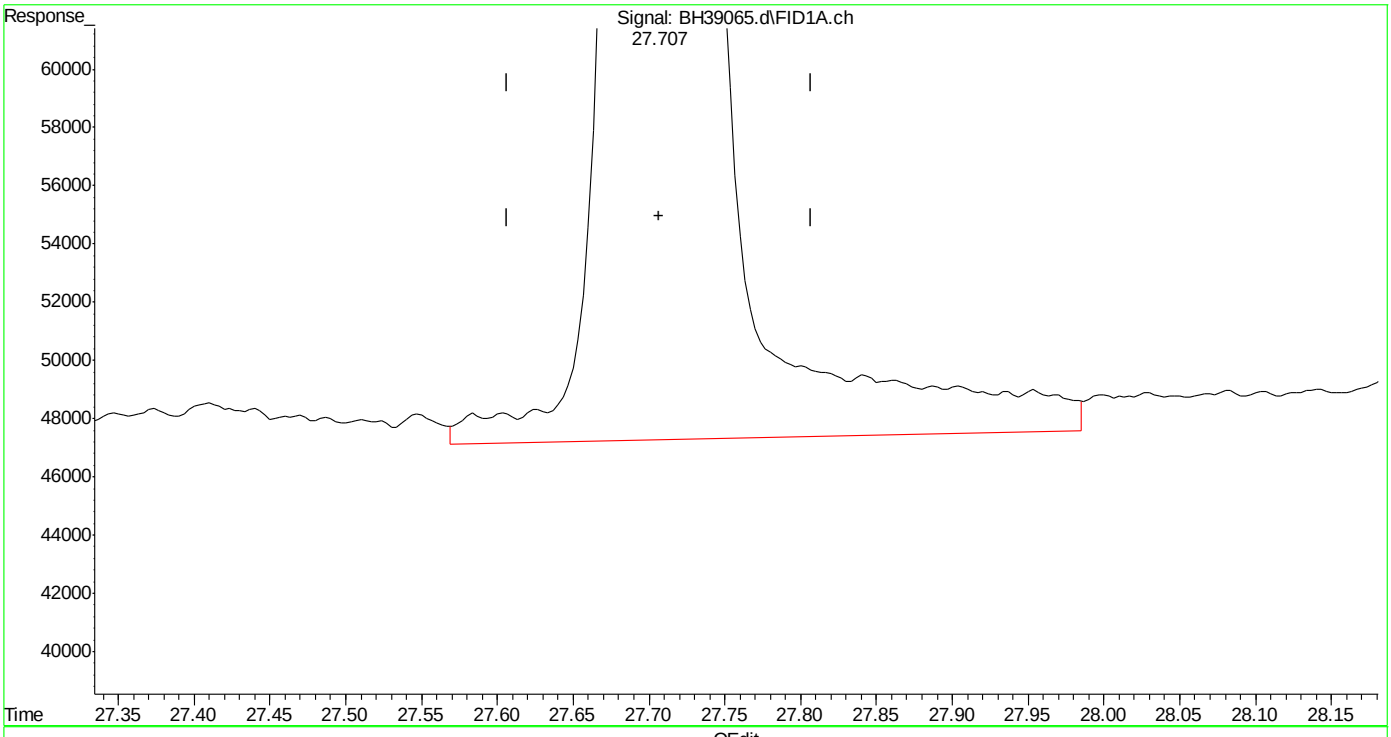
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 5.312 ppb
response 4415202

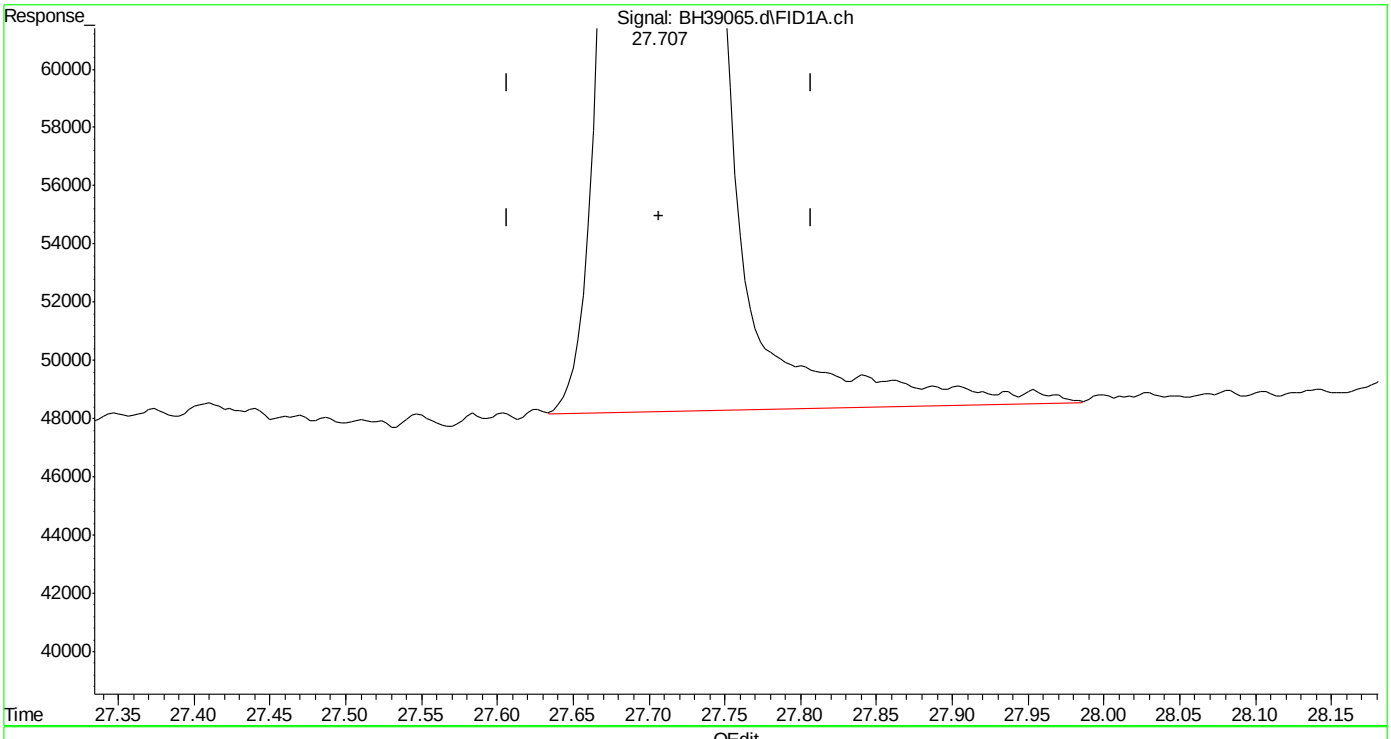
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.707min 5.025 ppb m
response 4176458

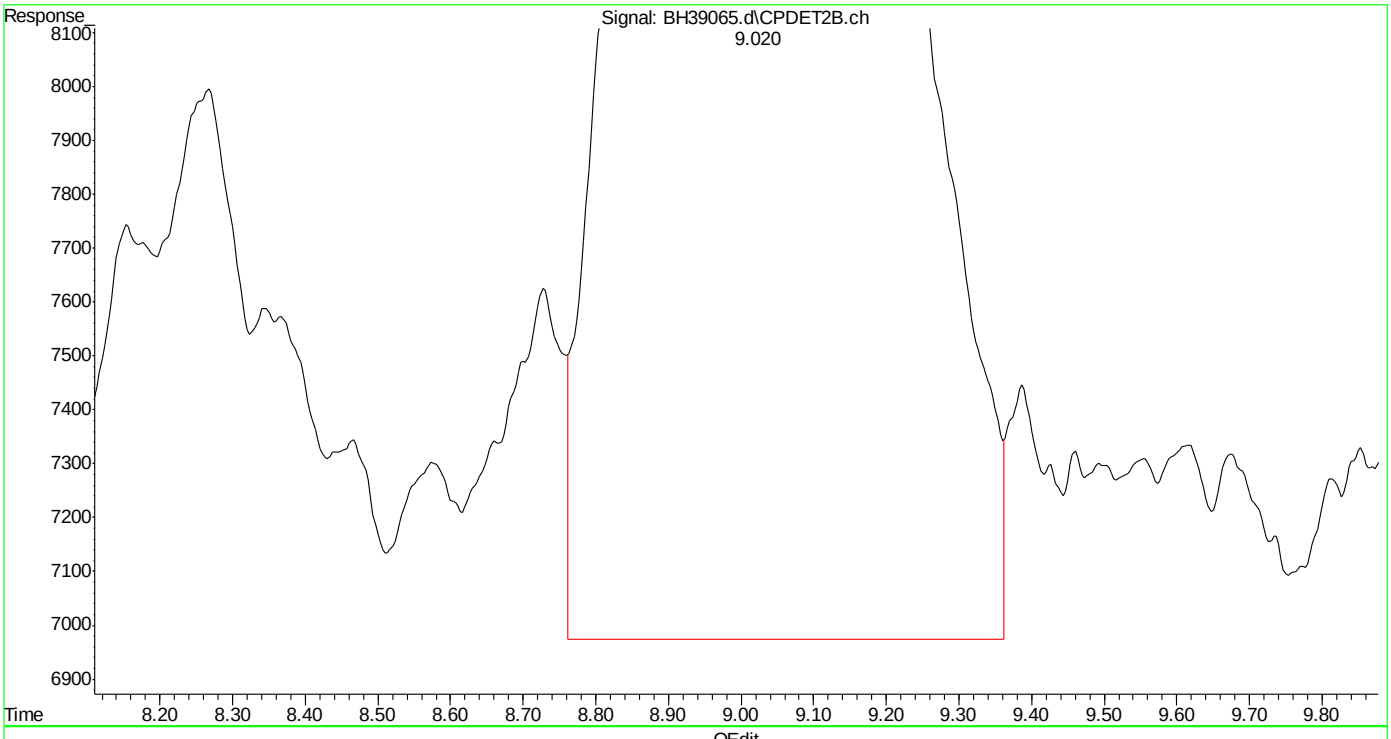
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:28 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.021min 5.079 ppb
response 1480451

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:33 2016 Page: 1

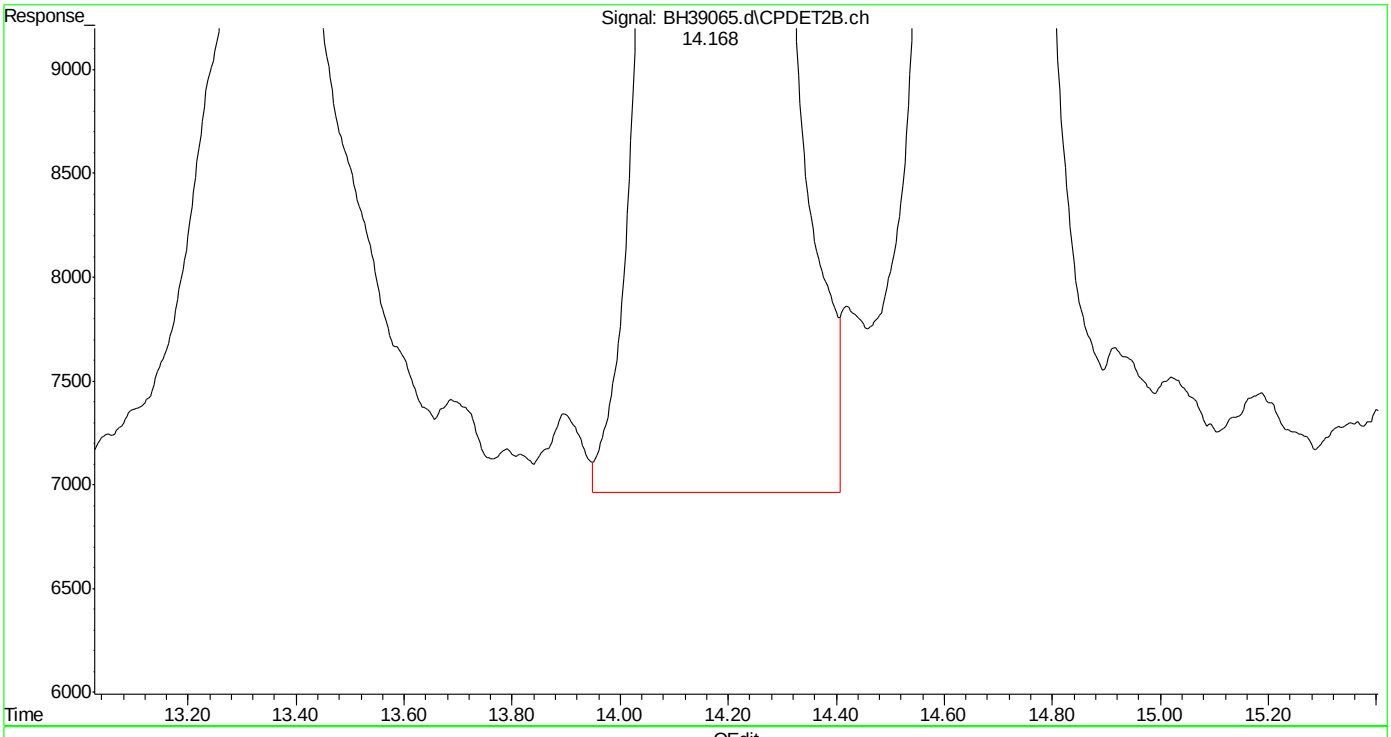
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.170min 5.113 ppb
response 3333790

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:05 2016

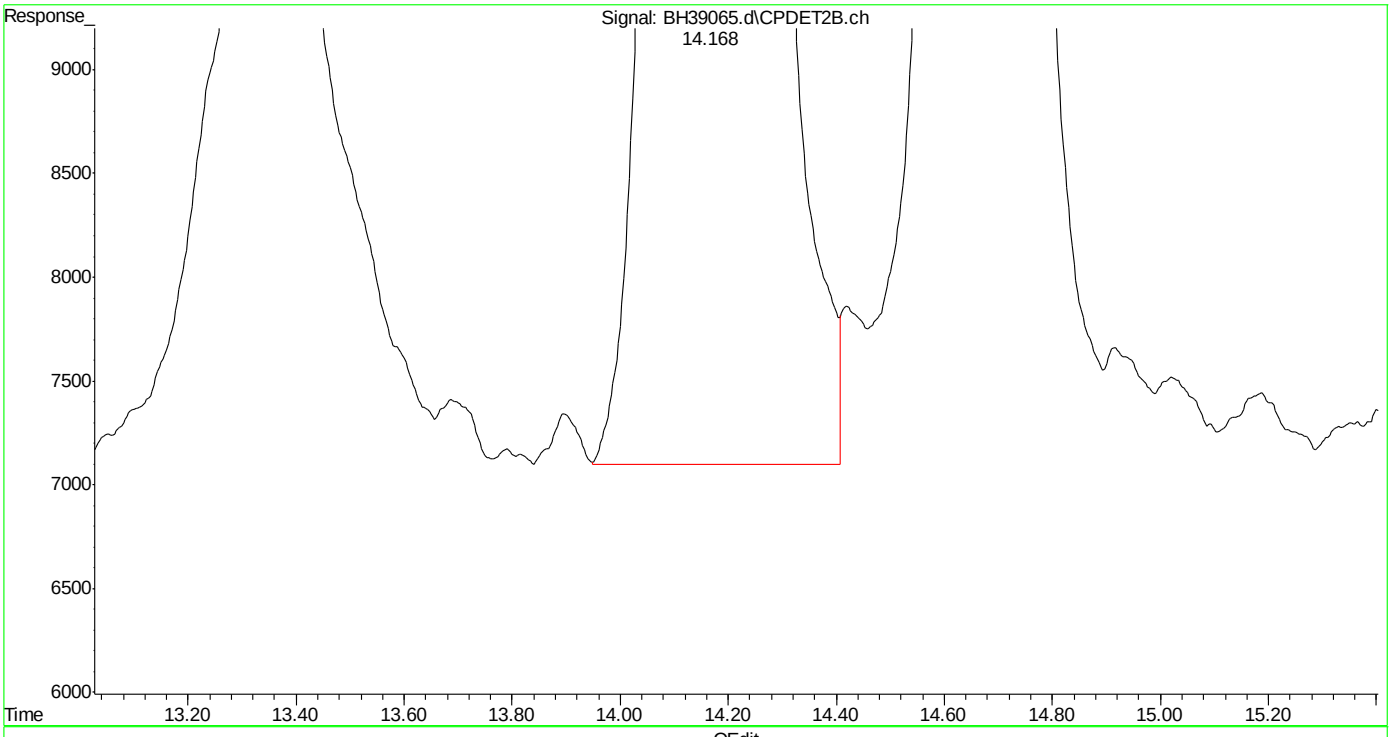
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.168min 5.060 ppb m
response 3298796

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:10 2016

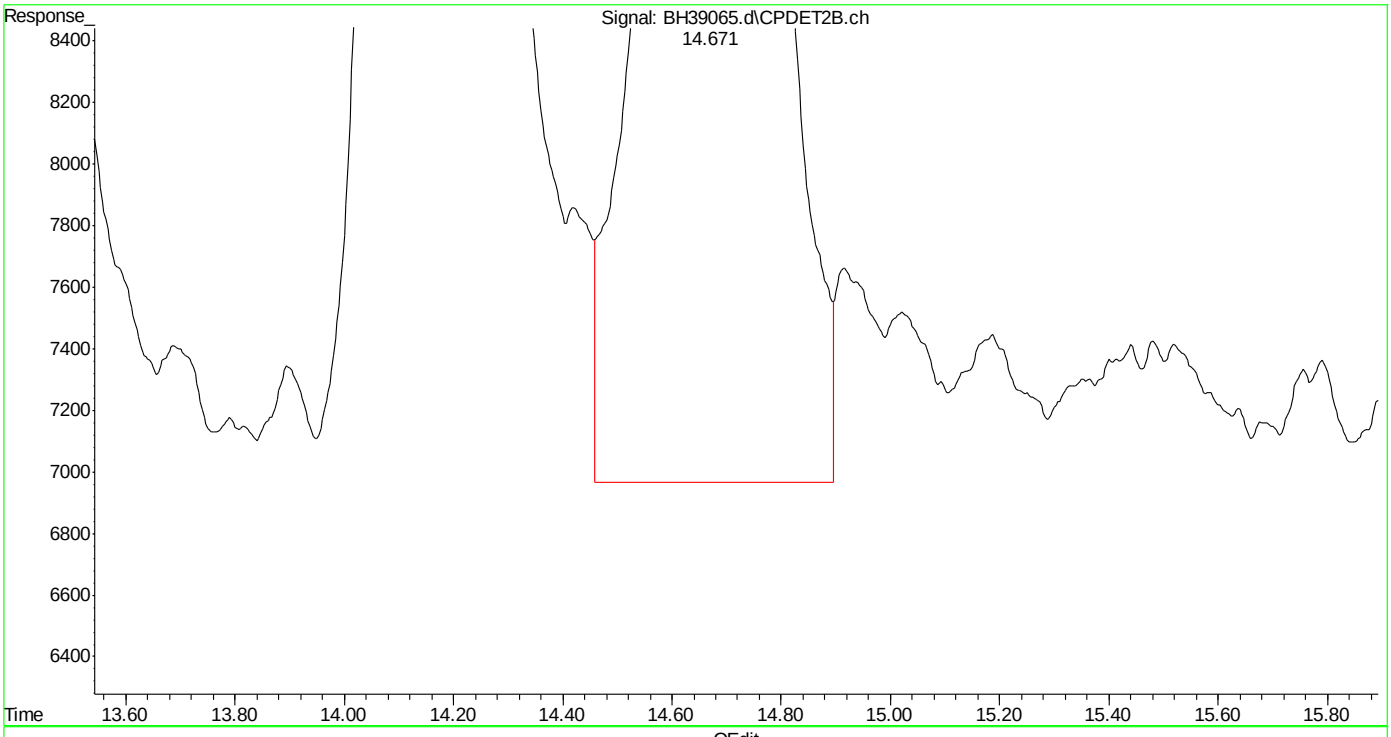
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.672min 5.196 ppb
response 2119025

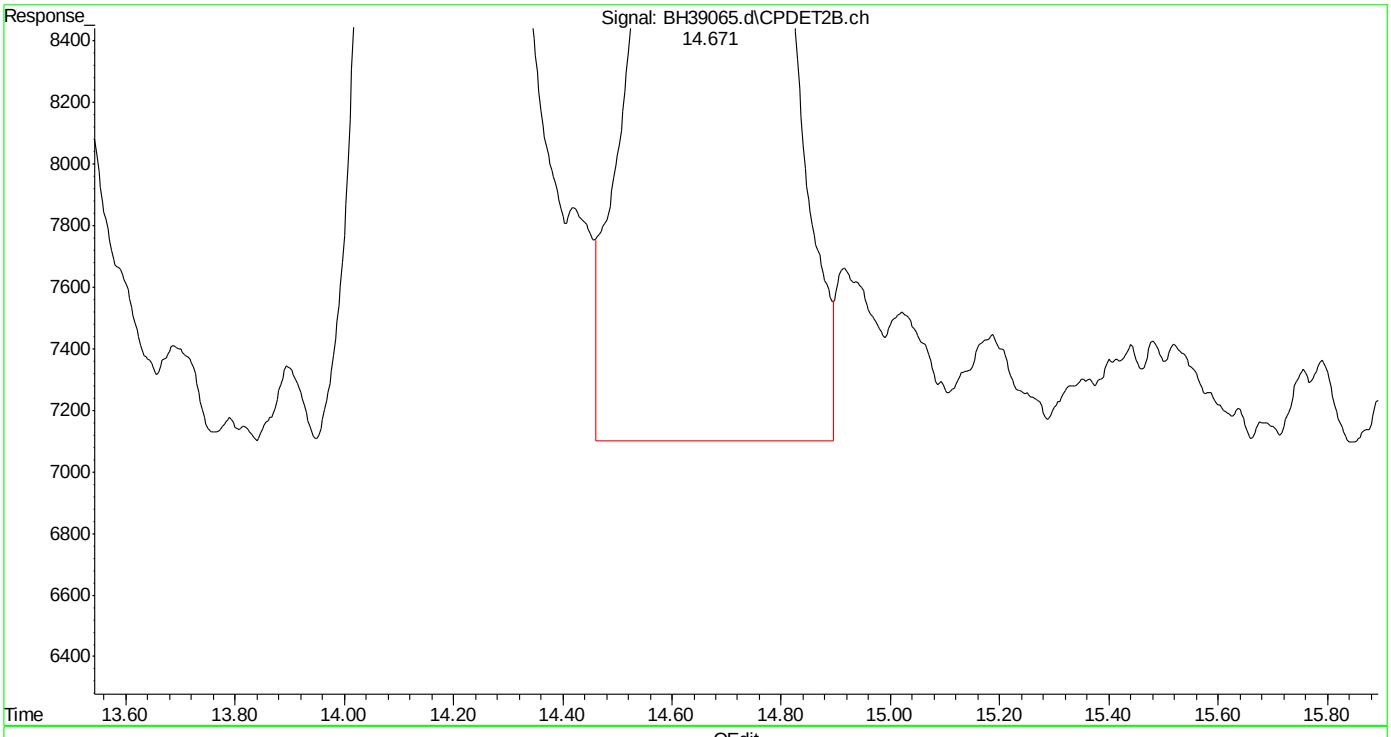
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.671min 5.107 ppb m
response 2082667

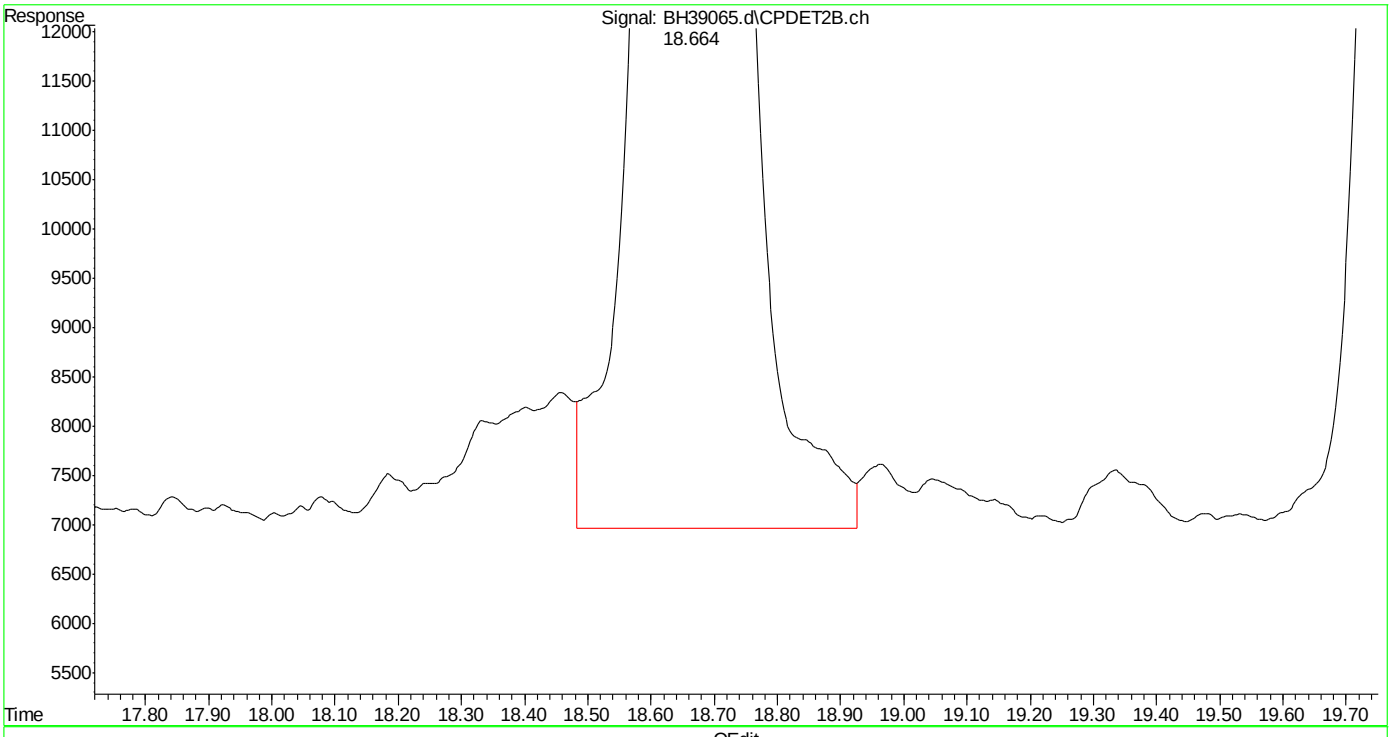
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:22 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 5.118 ppb
response 3127342

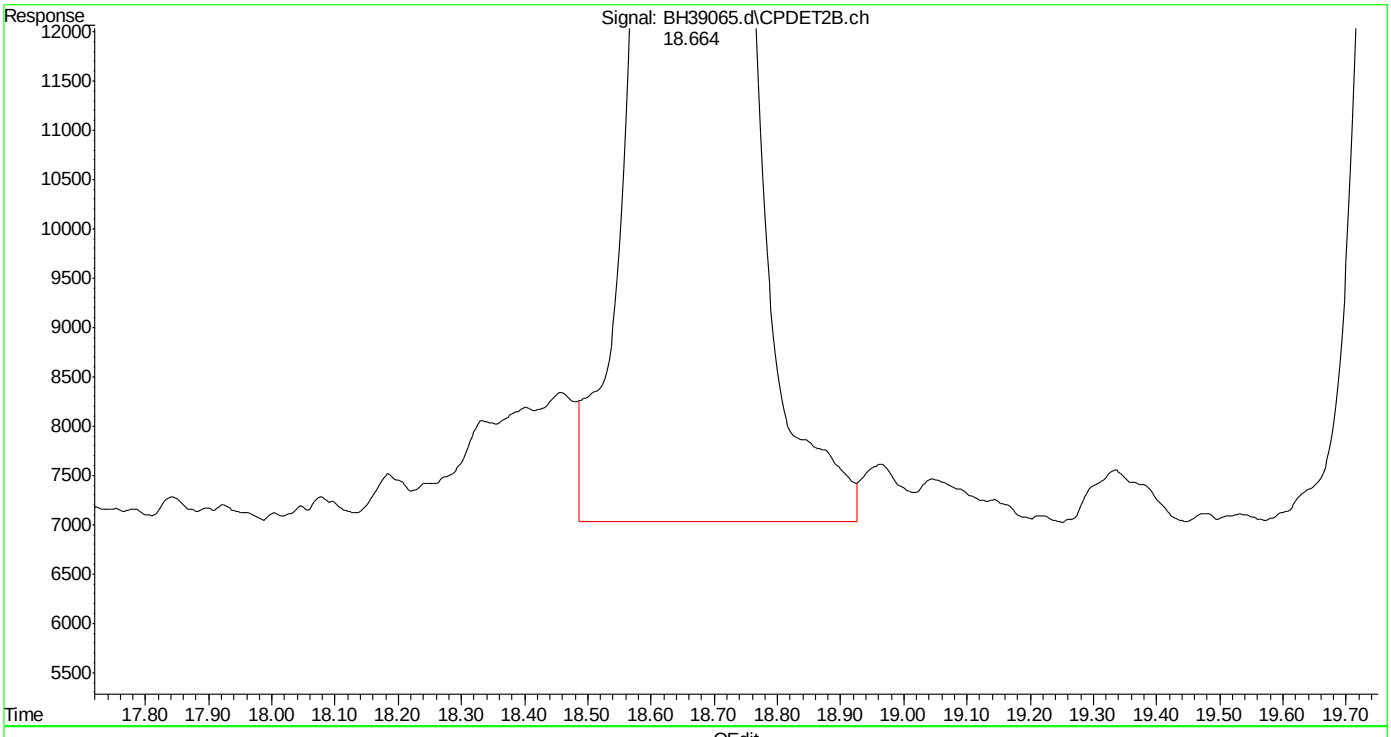
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 5.083 ppb m
response 3105756

(+) = Expected Retention Time

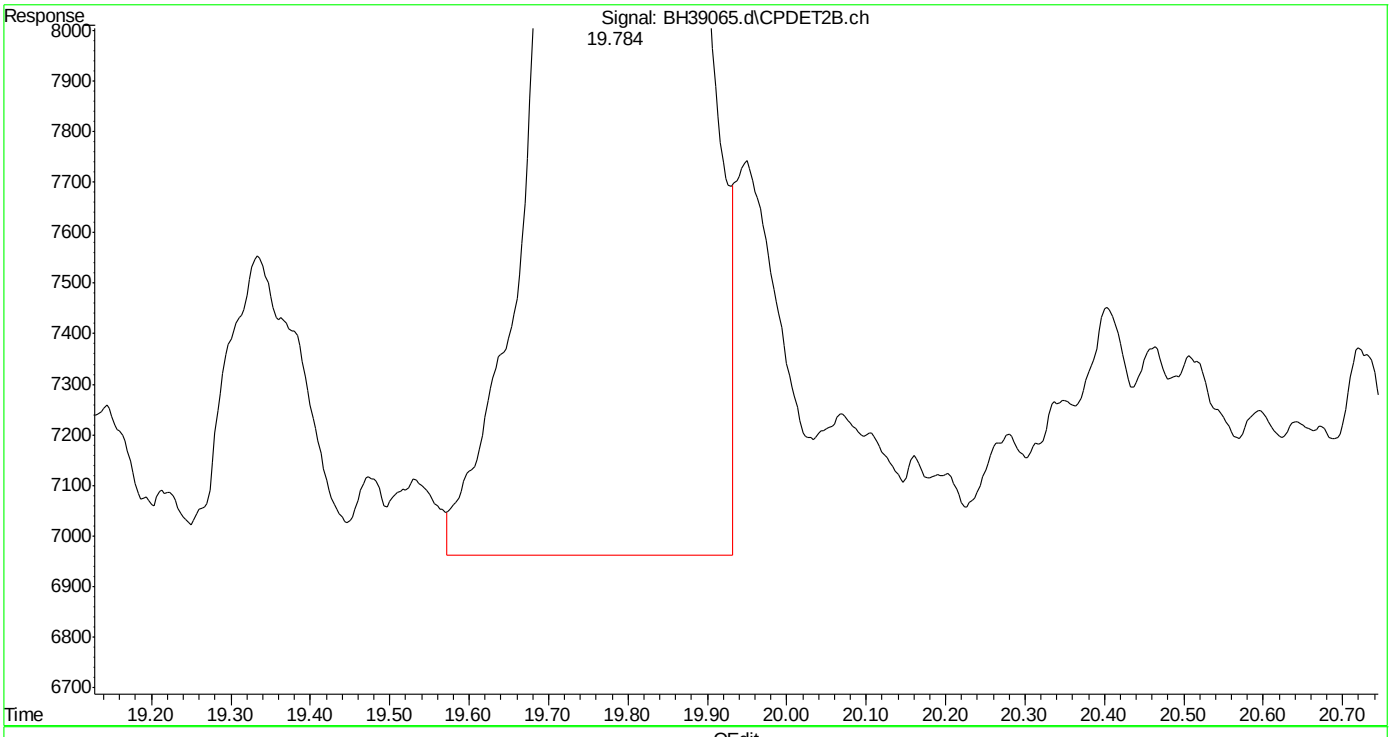
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 5.359 ppb
response 1307340

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:38 2016

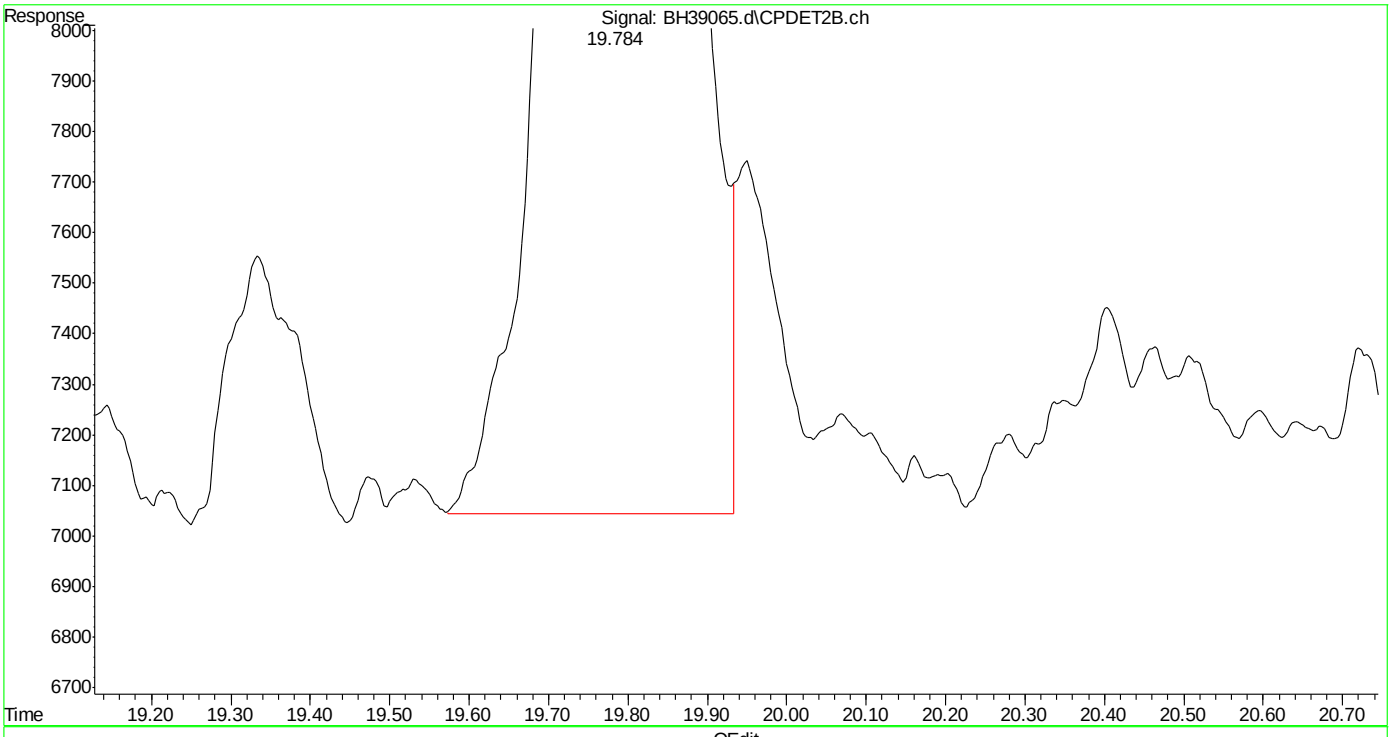
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 5.287 ppb m
response 1289798

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:43 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(29) m,p-xylene #2 (t)
21.943min 10.227 ppb
response 6793634

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:05 2016

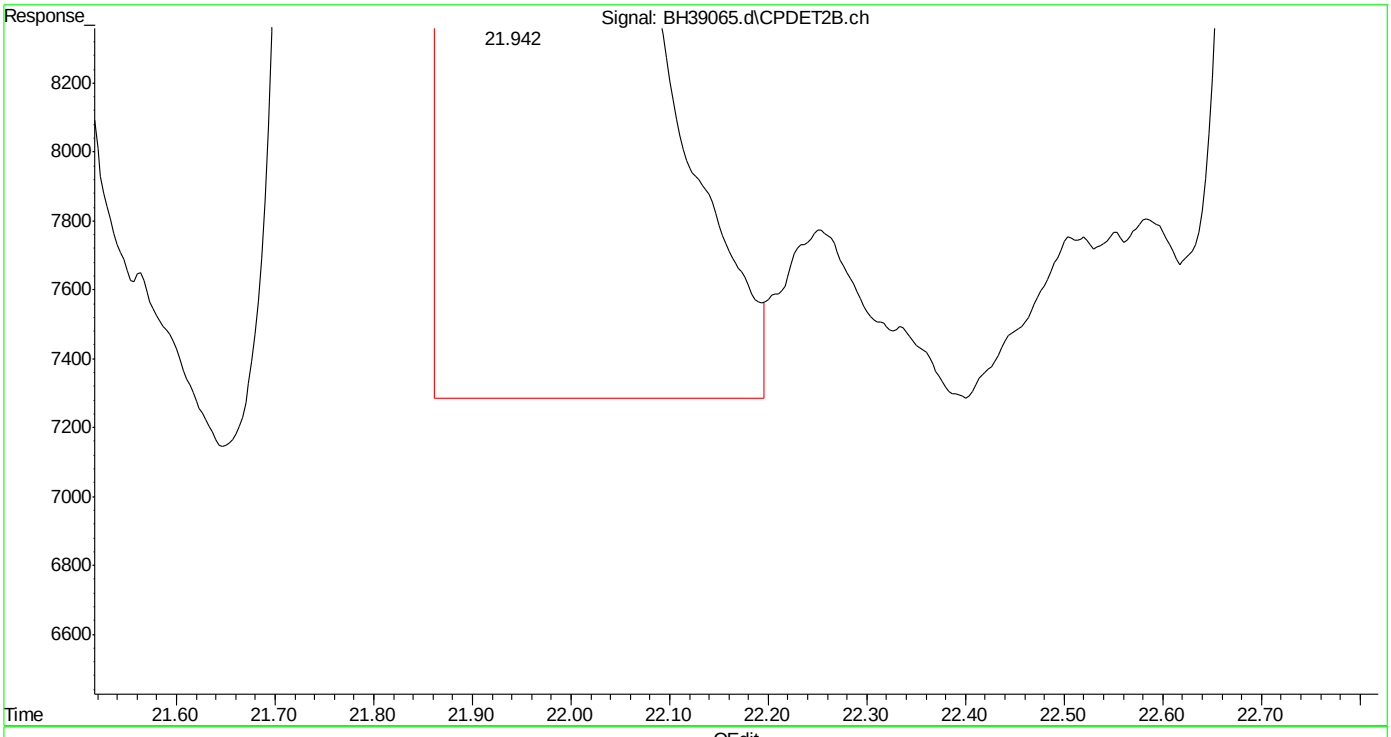
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.942min 10.128 ppb m
response 6728081

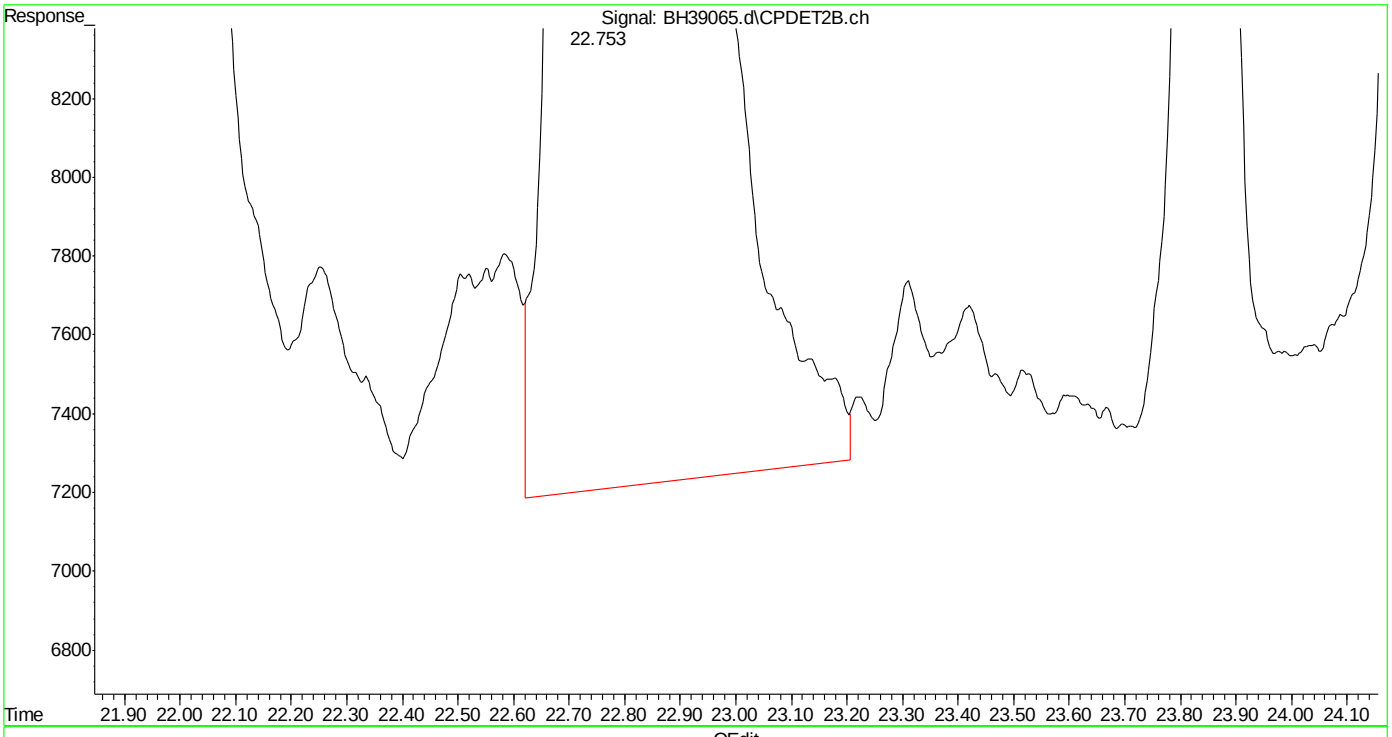
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 5.272 ppb
response 3033251

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:21 2016

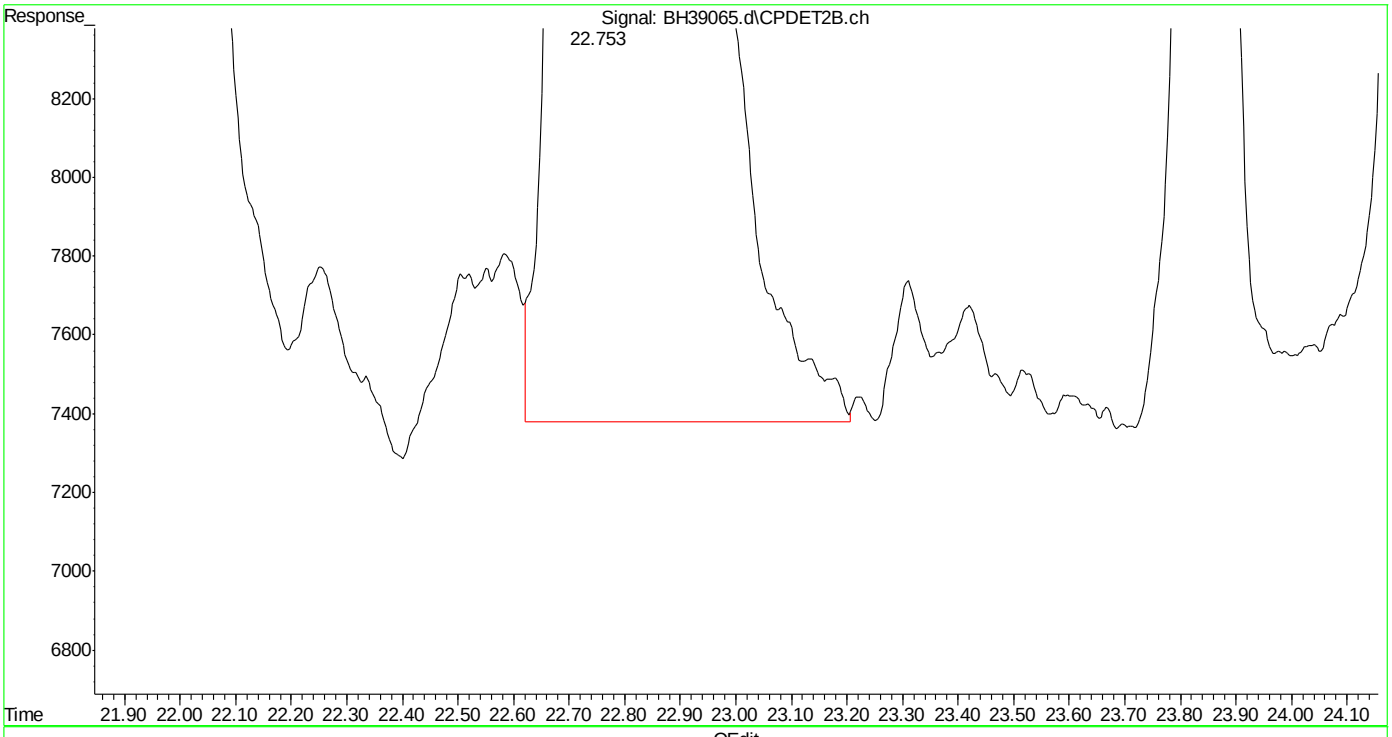
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 5.184 ppb m
response 2982162

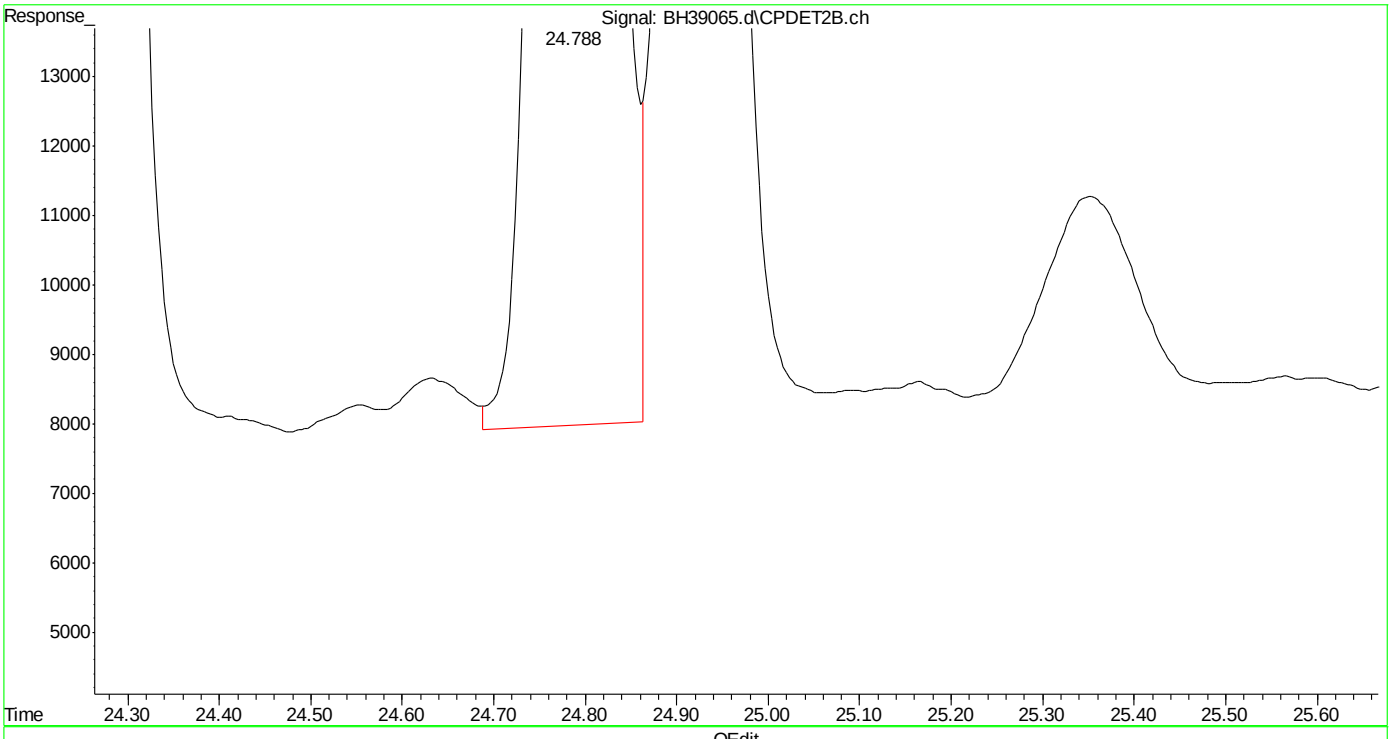
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:31 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 5.177 ppb
response 3270607

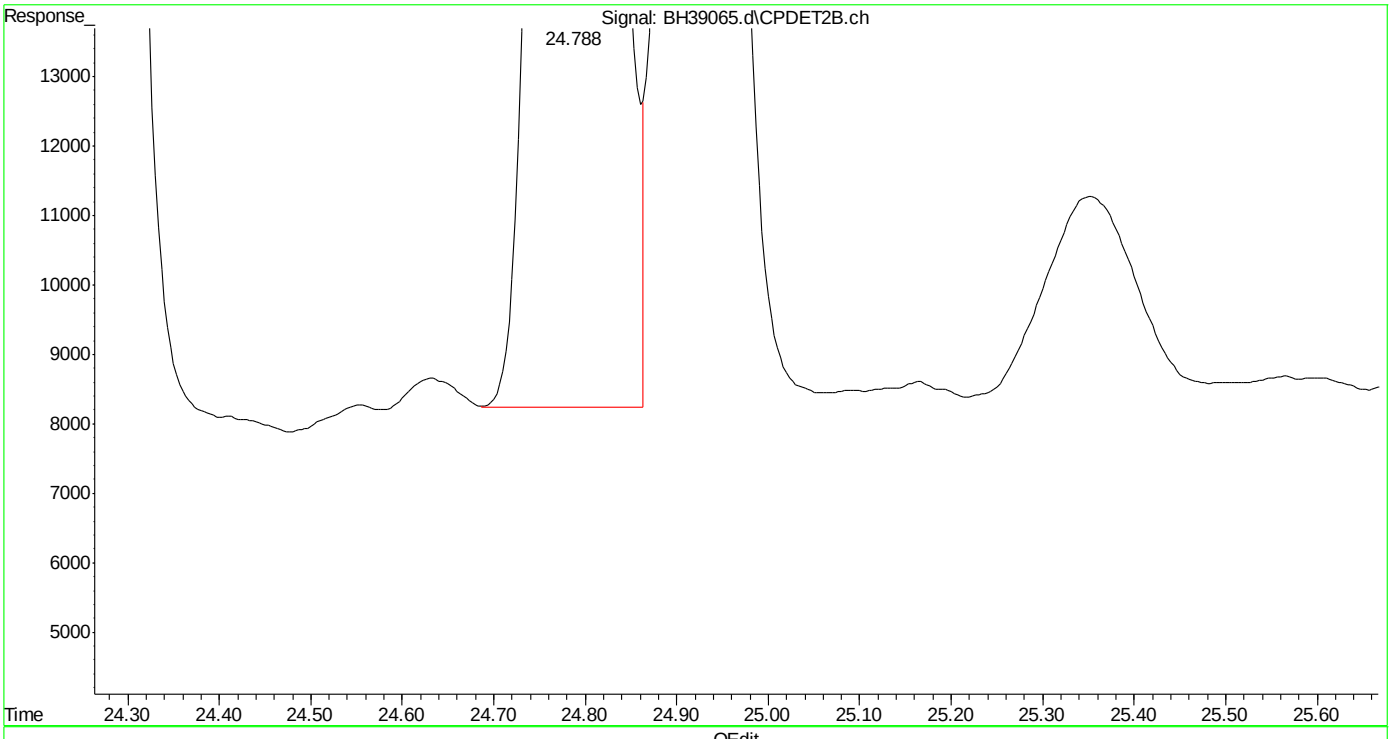
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:45 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 5.131 ppb m
response 3241720

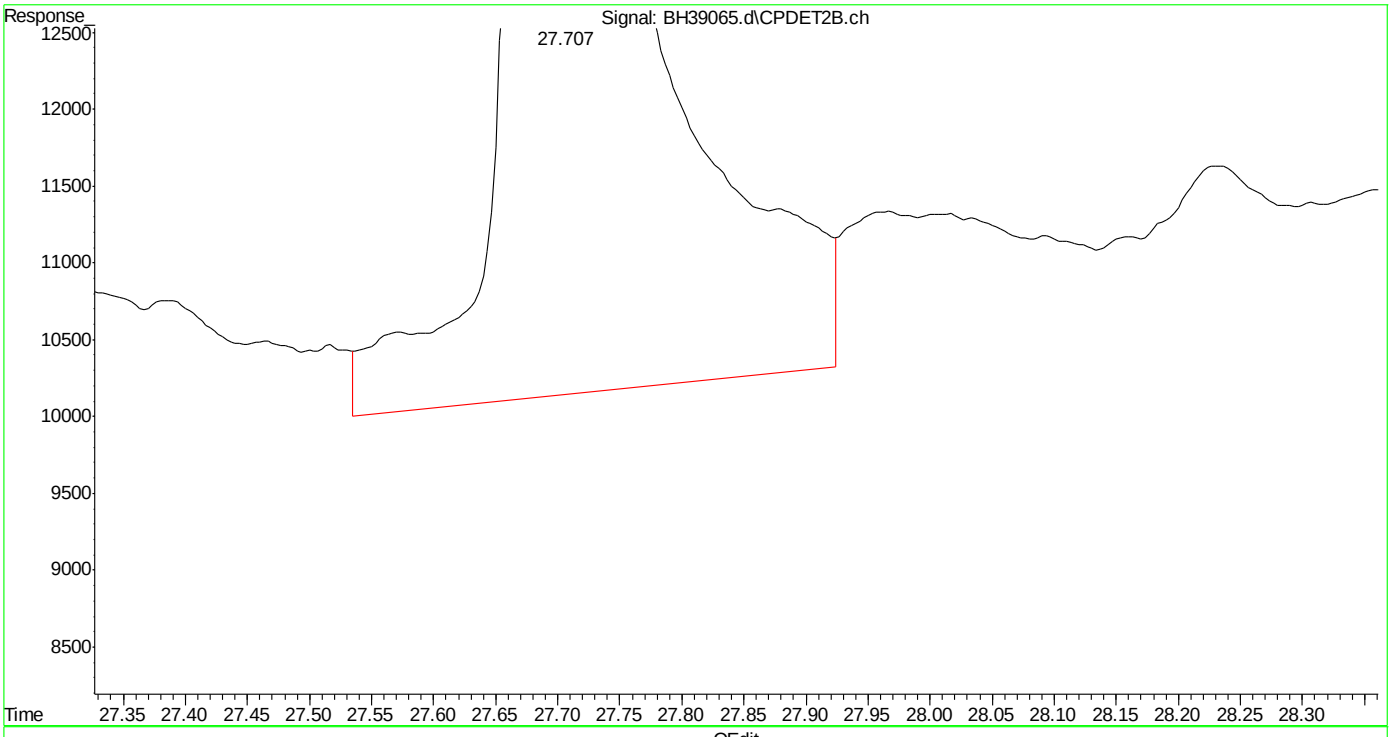
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 5.159 ppb
response 2941267

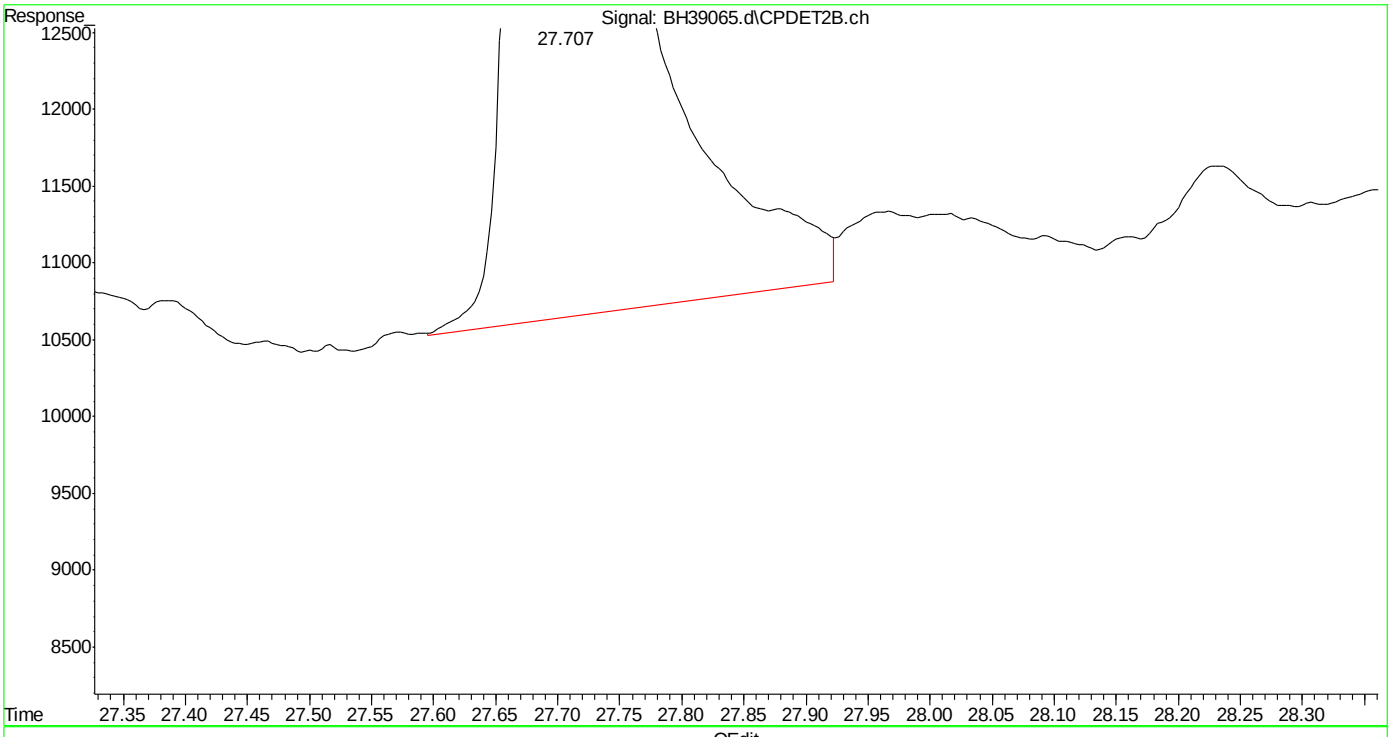
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 4.951 ppb m
response 2822866

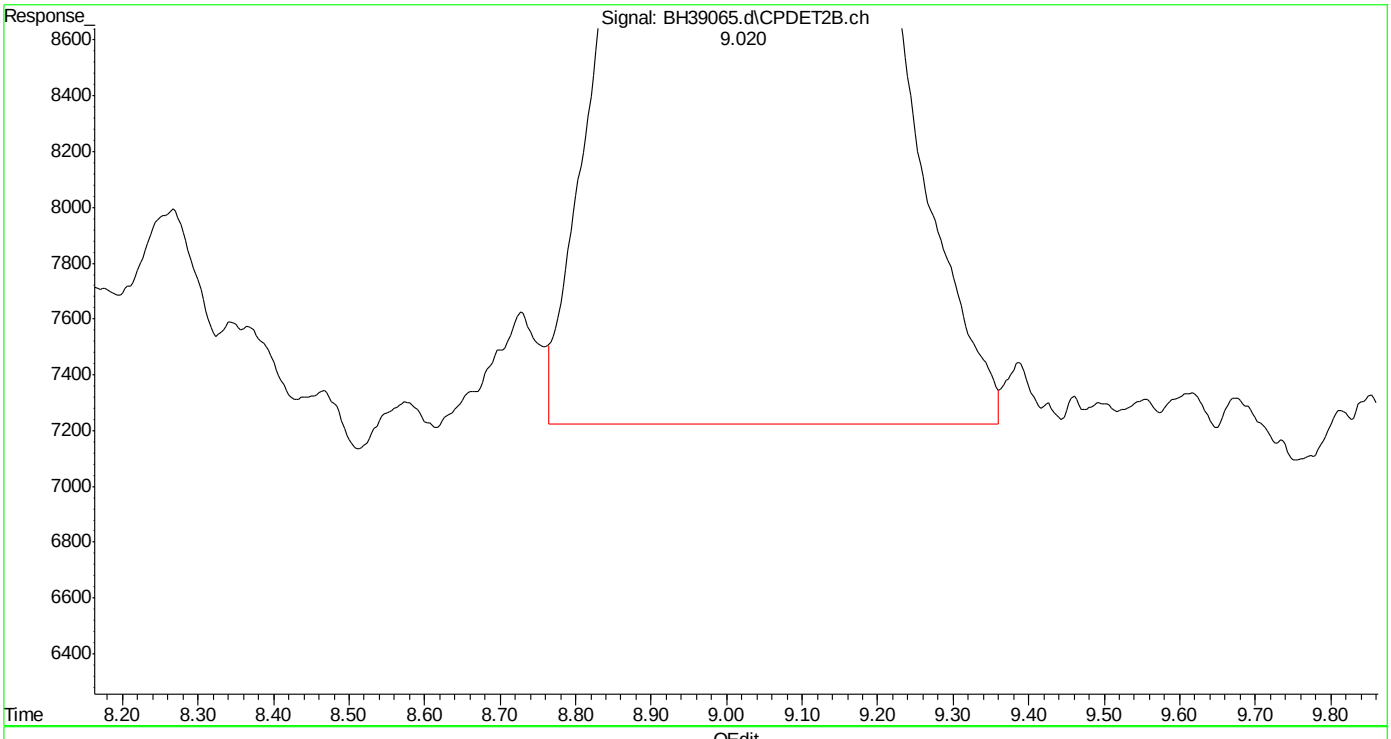
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:22:12 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:22:23 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.020min 4.770 ppb m
response 1390628

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:28:55 2016 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:46:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
6) s fluorobenzene	14.666	2025236	2.139 ppb	m
Spiked Amount 50.000		Recovery =	4.28%	
9) s 2,3,4-trifluorotoluene	19.784	1769458	2.233 ppb	m
Spiked Amount 50.000		Recovery =	4.47%	
25) s fluorobenzene #2	14.670	847261	2.063 ppb	m
Spiked Amount 50.000		Recovery =	4.13%	
27) s 2,3,4-trifluorotoluen...	19.786	534013	2.148 ppb	m
Spiked Amount 50.000		Recovery =	4.30%	
Target Compounds				
1) h rt5.5-7	5.980	1982006	2.164 ppb	m
2) h rt7/10	8.250	2292160	2.272 ppb	m
3) t mtbe	9.005	1295724	2.084 ppb	m
4) h rt10/13	13.360	2770822	2.318 ppb	m
5) t benzene	14.168	2531923	2.121 ppb	m
8) t toluene	18.665	2582770	2.167 ppb	m
11) h rt20/25	21.460	2657203	2.478 ppb	m
13) t ethylbenzene	21.797	2534836	2.153 ppb	m
14) t m,p-xylene	21.942	5284149	4.270 ppb	m
15) t o-xylene	22.753	2701691	2.136 ppb	m
16) h decane	23.856	2533298	2.332 ppb	m
17) t 1,3,5-trimethylbenzene	24.252	2955201	2.245 ppb	m
18) t 1,2,4-trimethylbenzene	24.788	3004972	2.261 ppb	m
19) h butylcyclohexane	24.940	2820356	2.377 ppb	m
20) t naphthalene	27.708	1793508	2.154 ppb	m
23) t mtbe #2	9.014	590163	2.056 ppb	m
24) t benzene #2	14.169	1399084	2.137 ppb	m
26) t toluene #2	18.664	1277211	2.079 ppb	m
28) t ethylbenzene #2	21.798	1125648	2.086 ppb	m
29) t m,p-xylene #2	21.942	2822666	4.231 ppb	m
30) t o-xylene #2	22.753	1213238	2.083 ppb	m
31) t 1,3,5-trimethylbenzen...	24.252	1811556	2.177 ppb	m
32) t 1,2,4-trimethylbenzen...	24.788	1420042	2.228 ppb	m
33) t naphthalene #2	27.707	1229604	2.164 ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	1420112	2.227 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

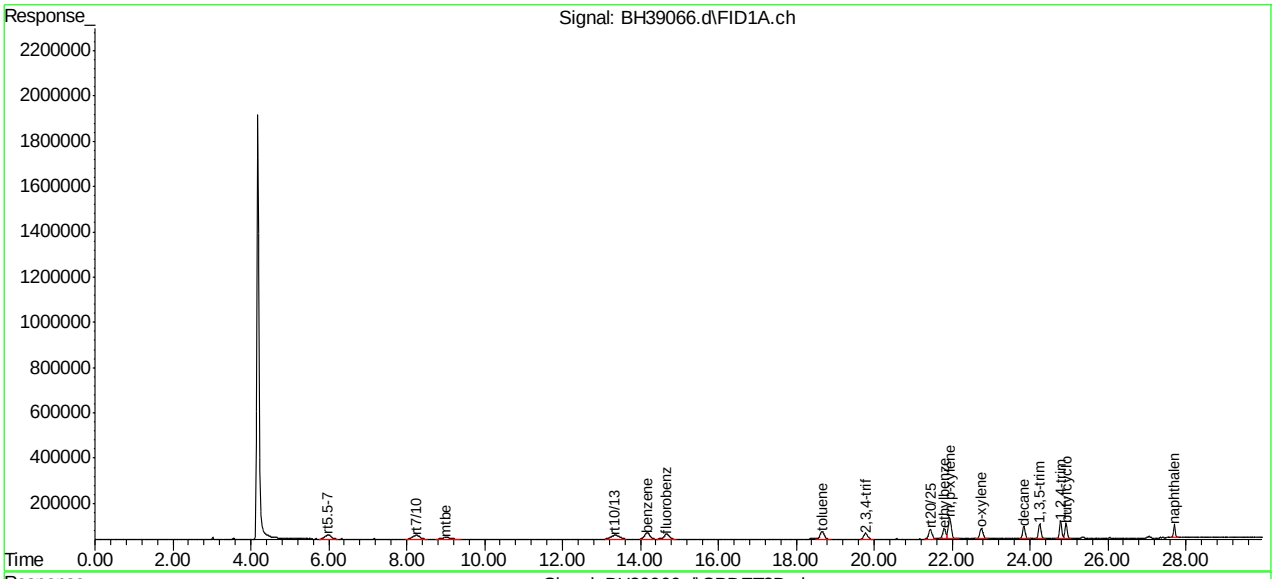
SGS ACCUTEST MC45754

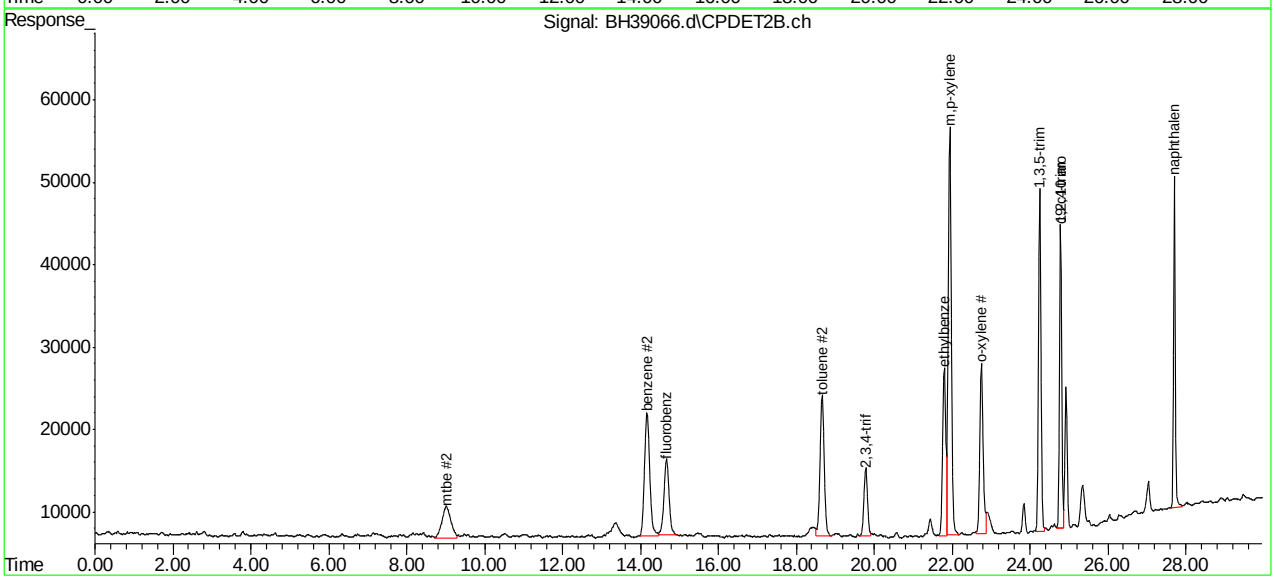
Quantitation Report (QT Reviewed)

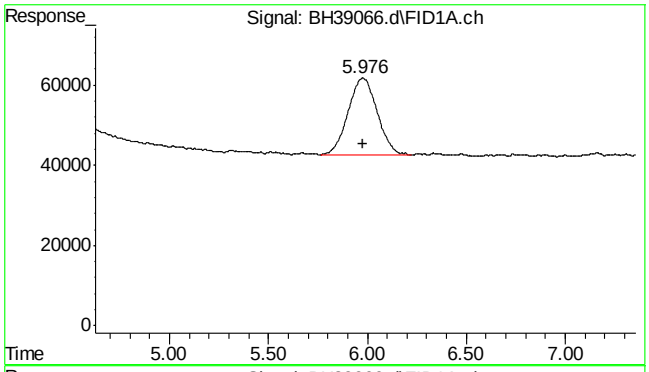
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:46:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

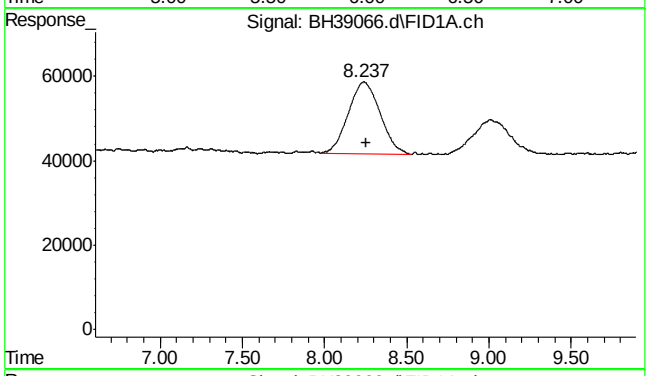






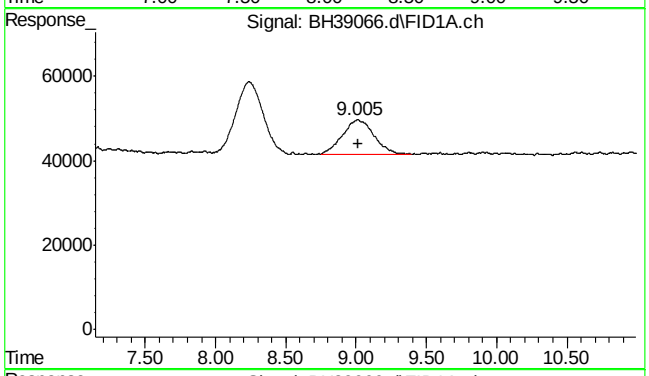
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 1982006
Conc: 2.16 ppb m



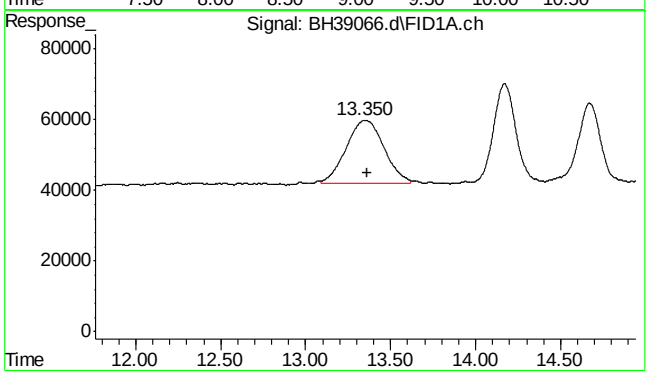
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 2292160
Conc: 2.27 ppb m



#3 mtbe

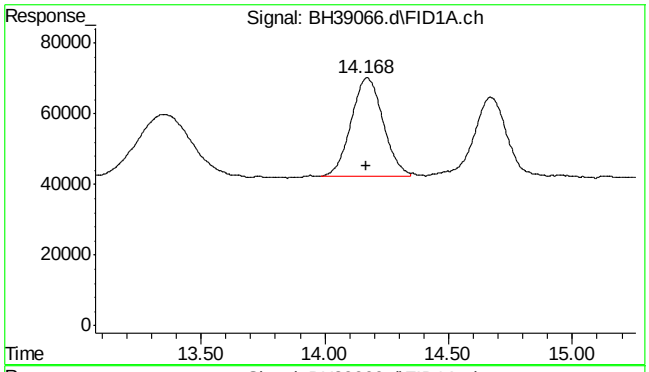
R.T.: 9.005 min
Delta R.T.: -0.008 min
Response: 1295724
Conc: 2.08 ppb m



#4 rt10/13

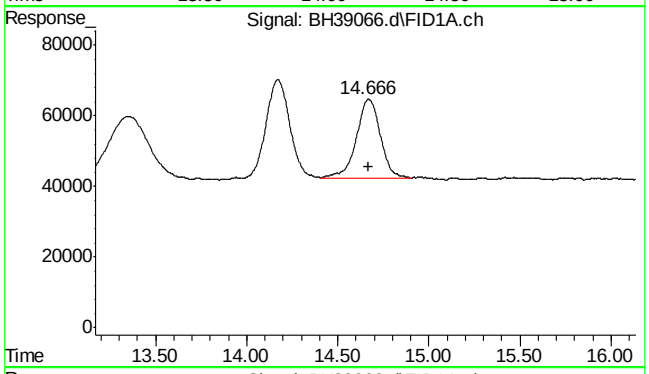
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 2770822
Conc: 2.32 ppb m

SGS ACCUTEST MC45754



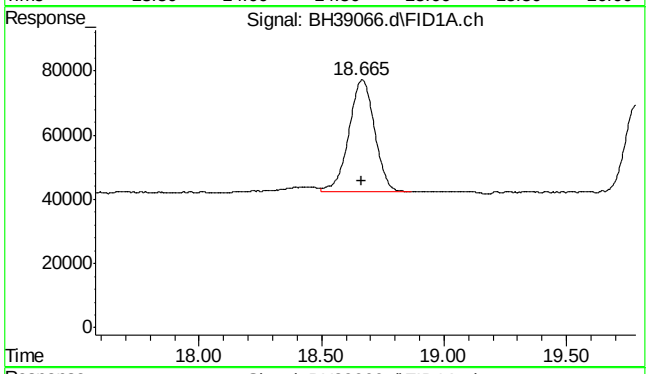
#5 benzene

R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 2531923
Conc: 2.12 ppb m



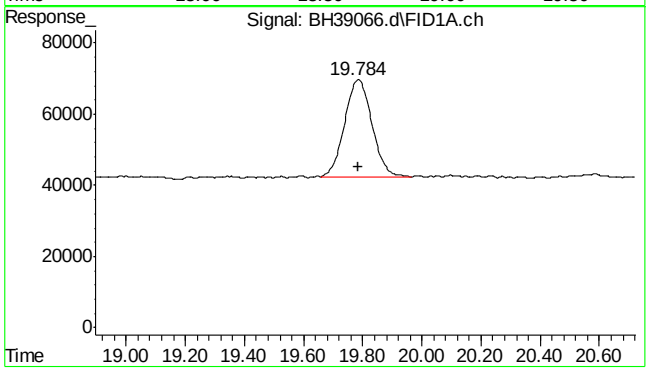
#6 fluorobenzene

R.T.: 14.666 min
Delta R.T.: -0.003 min
Response: 2025236
Conc: 2.14 ppb m



#8 toluene

R.T.: 18.665 min
Delta R.T.: 0.001 min
Response: 2582770
Conc: 2.17 ppb m



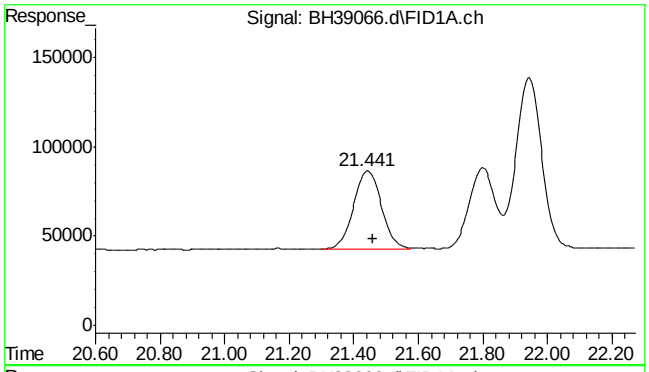
#9 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 1769458
Conc: 2.23 ppb m

7.5.8

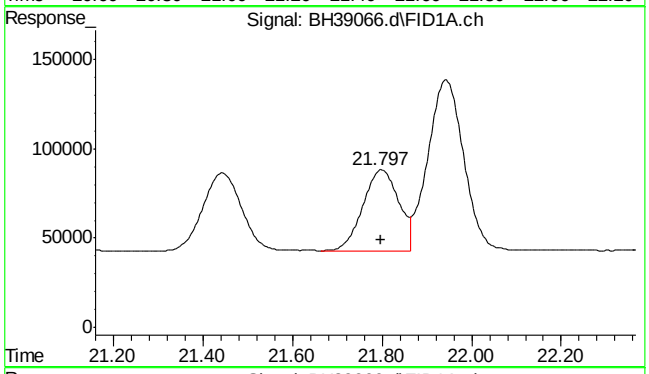
7

SGS ACCUTEST MC45754



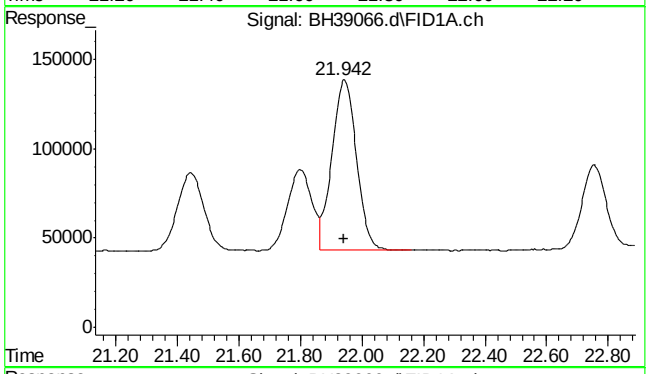
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 2657203
Conc: 2.48 ppb m



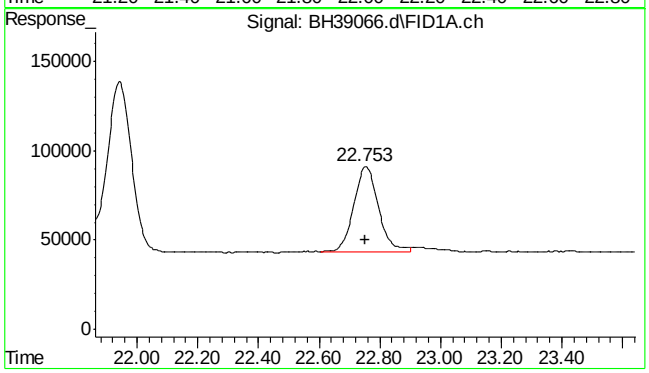
#13 ethylbenzene

R.T.: 21.797 min
Delta R.T.: 0.000 min
Response: 2534836
Conc: 2.15 ppb m



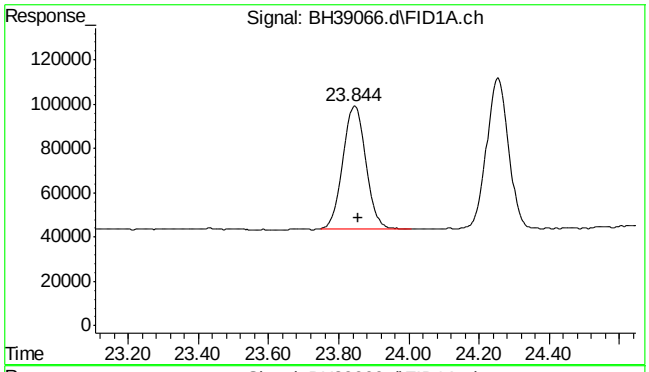
#14 m,p-xylene

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 5284149
Conc: 4.27 ppb m



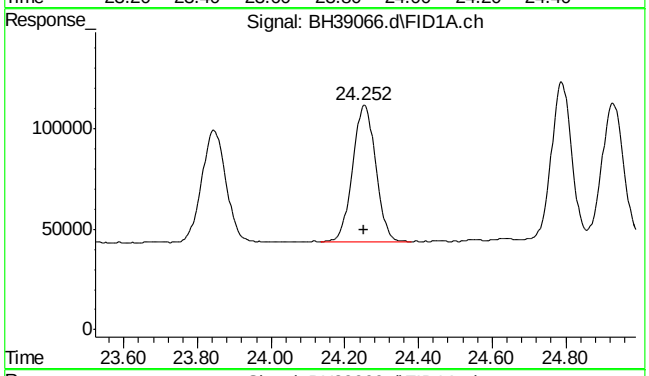
#15 o-xylene

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 2701691
Conc: 2.14 ppb m



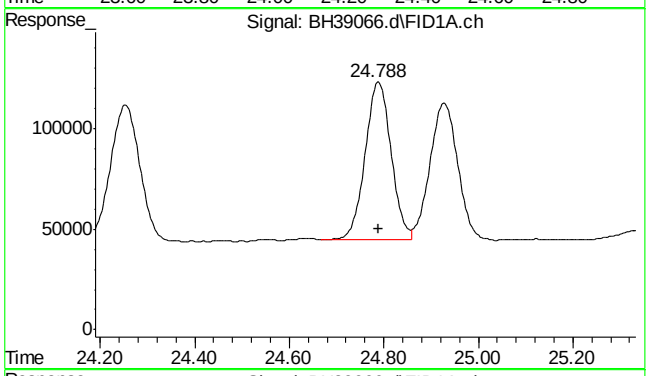
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 2533298
Conc: 2.33 ppb m



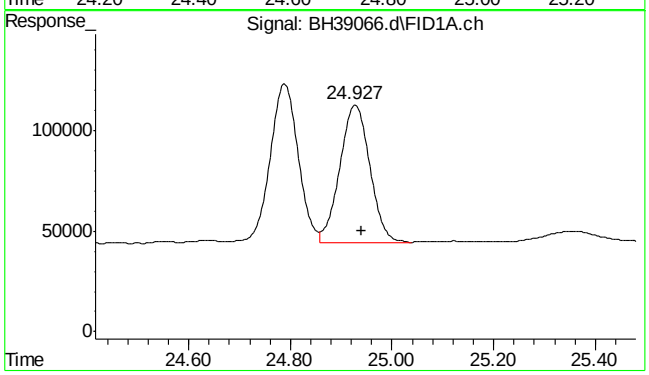
#17 1,3,5-trimethylbenzene

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 2955201
Conc: 2.24 ppb m



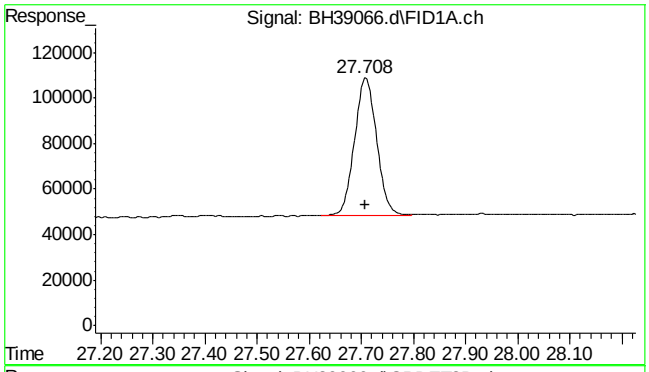
#18 1,2,4-trimethylbenzene

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 3004972
Conc: 2.26 ppb m



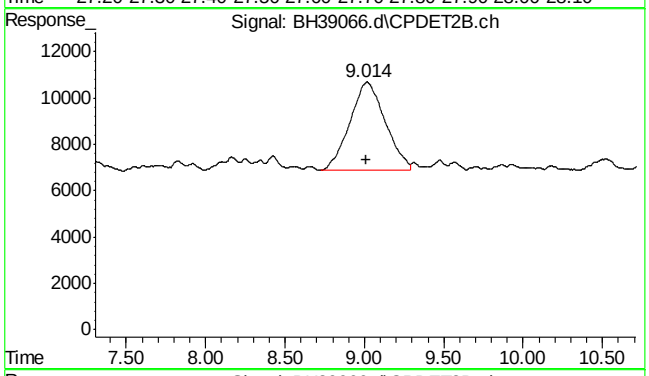
#19 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 2820356
Conc: 2.38 ppb m



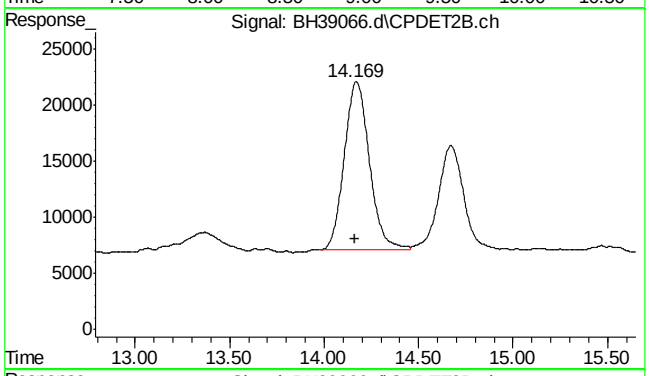
#20 naphthalene

R.T.: 27.708 min
Delta R.T.: 0.000 min
Response: 1793508
Conc: 2.15 ppb m



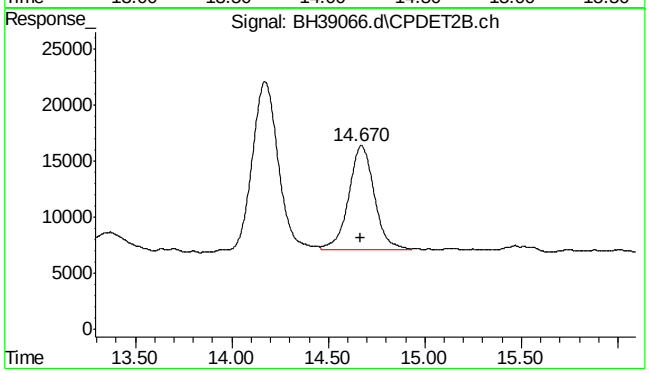
#23 mtbe #2

R.T.: 9.014 min
Delta R.T.: 0.001 min
Response: 590163
Conc: 2.06 ppb m



#24 benzene #2

R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 1399084
Conc: 2.14 ppb m



#25 fluorobenzene #2

R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 847261
Conc: 2.06 ppb m

7.5.8

7

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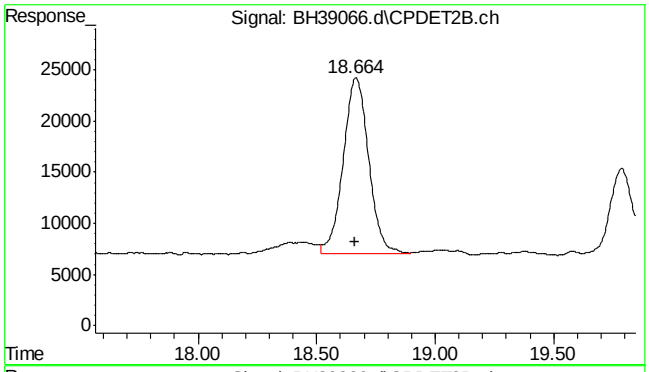
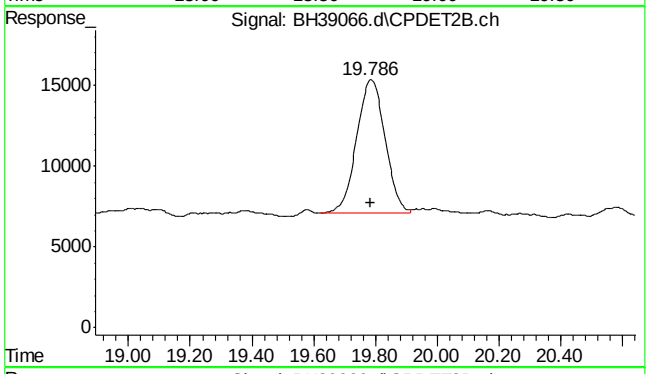


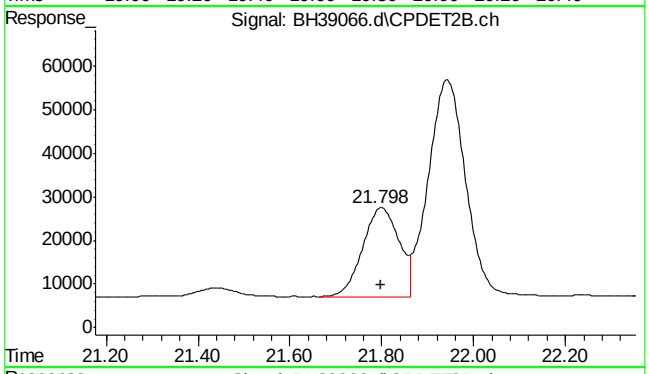
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 1277211
Conc: 2.08 ppb m



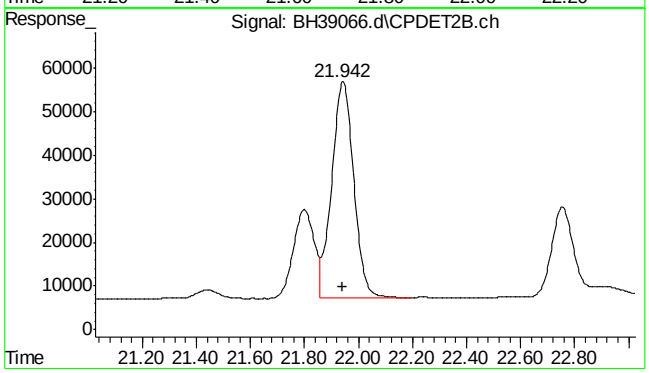
#27 2,3,4-trifluorotoluene #2

R.T.: 19.786 min
Delta R.T.: 0.002 min
Response: 534013
Conc: 2.15 ppb m



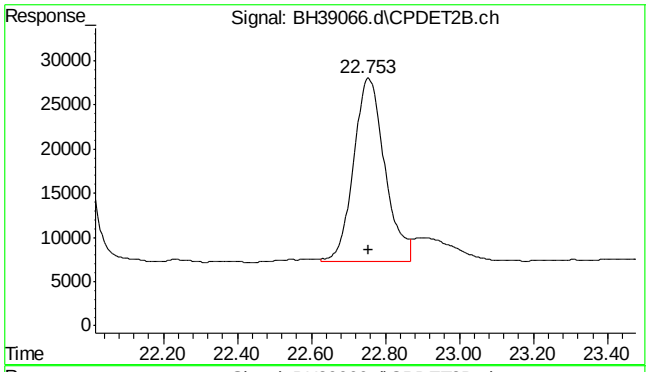
#28 ethylbenzene #2

R.T.: 21.798 min
Delta R.T.: 0.001 min
Response: 1125648
Conc: 2.09 ppb m



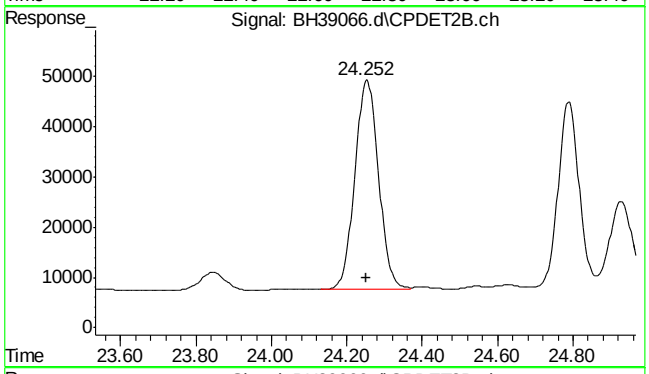
#29 m,p-xylene #2

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 2822666
Conc: 4.23 ppb m



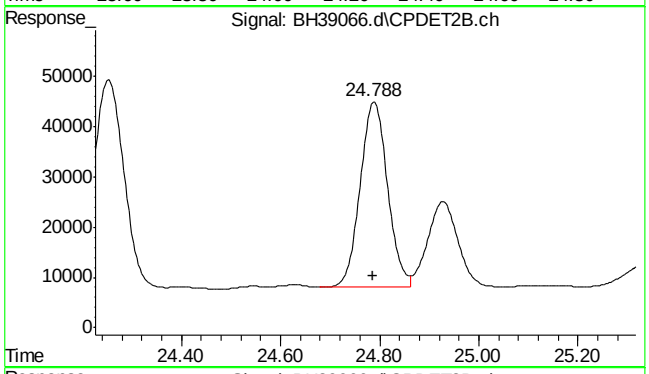
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 1213238
Conc: 2.08 ppb m



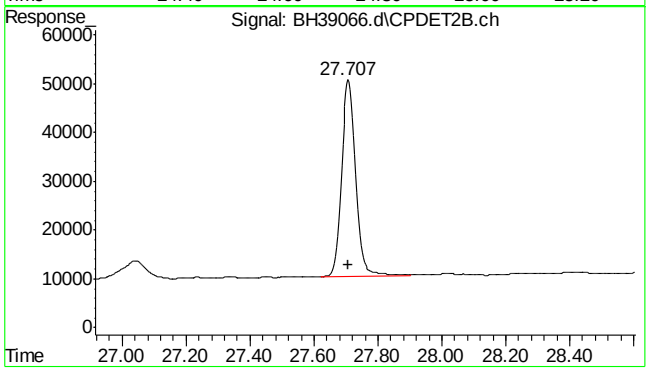
#31 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 1811556
Conc: 2.18 ppb m



#32 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 1420042
Conc: 2.23 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.001 min
Response: 1229604
Conc: 2.16 ppb m

7.5.8

7

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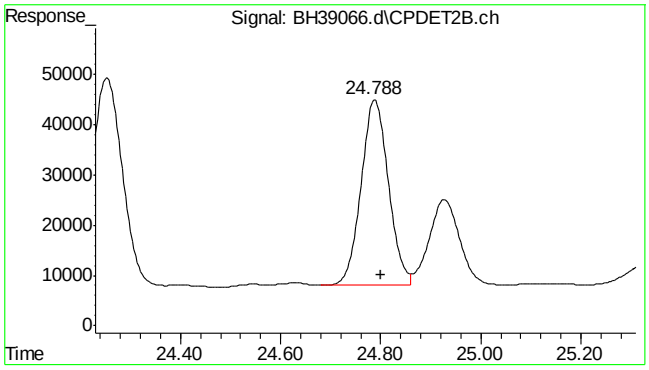


#34 c9-c10 arom as 1,2,4-tmb

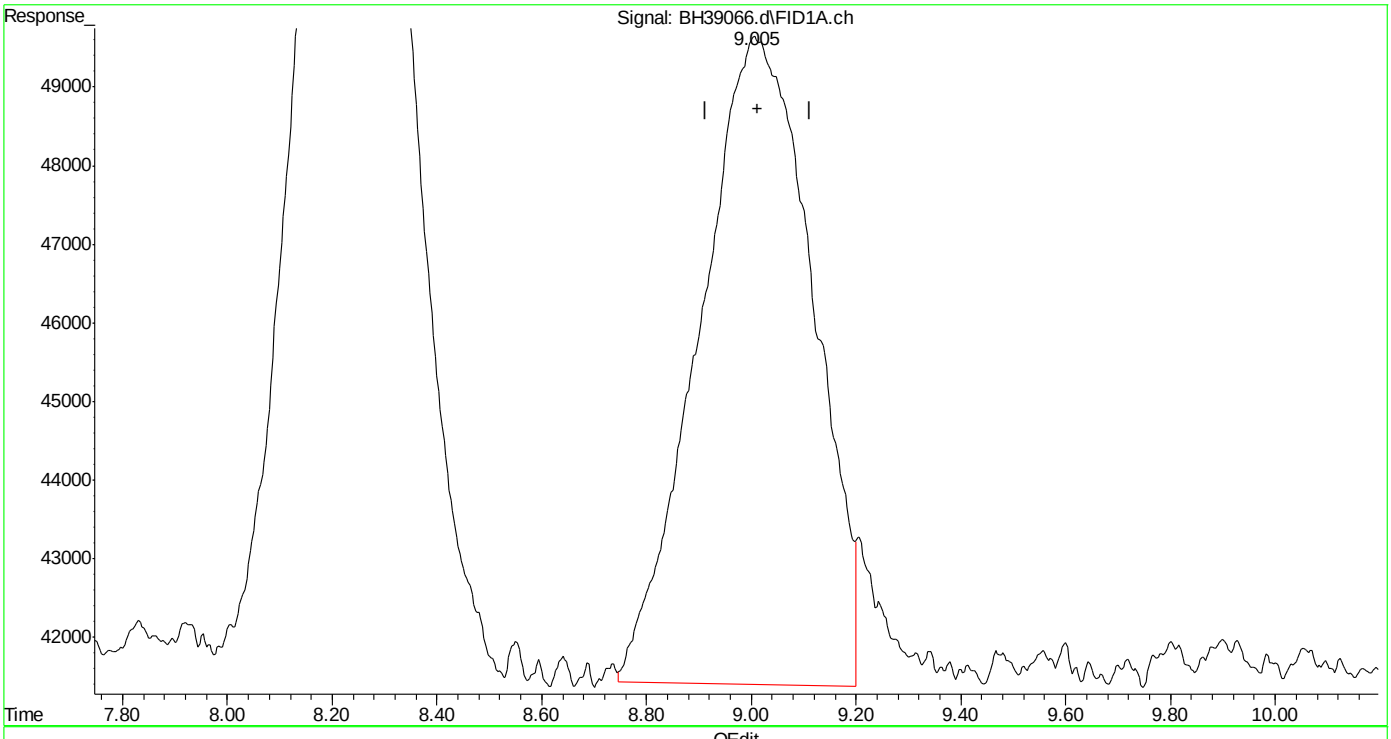
R.T.:	24.800 min
Delta R.T.:	0.000 min
Response:	1420112
Conc:	2.23 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.007min 1.984 ppb
response 1234027

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:39:32 2016

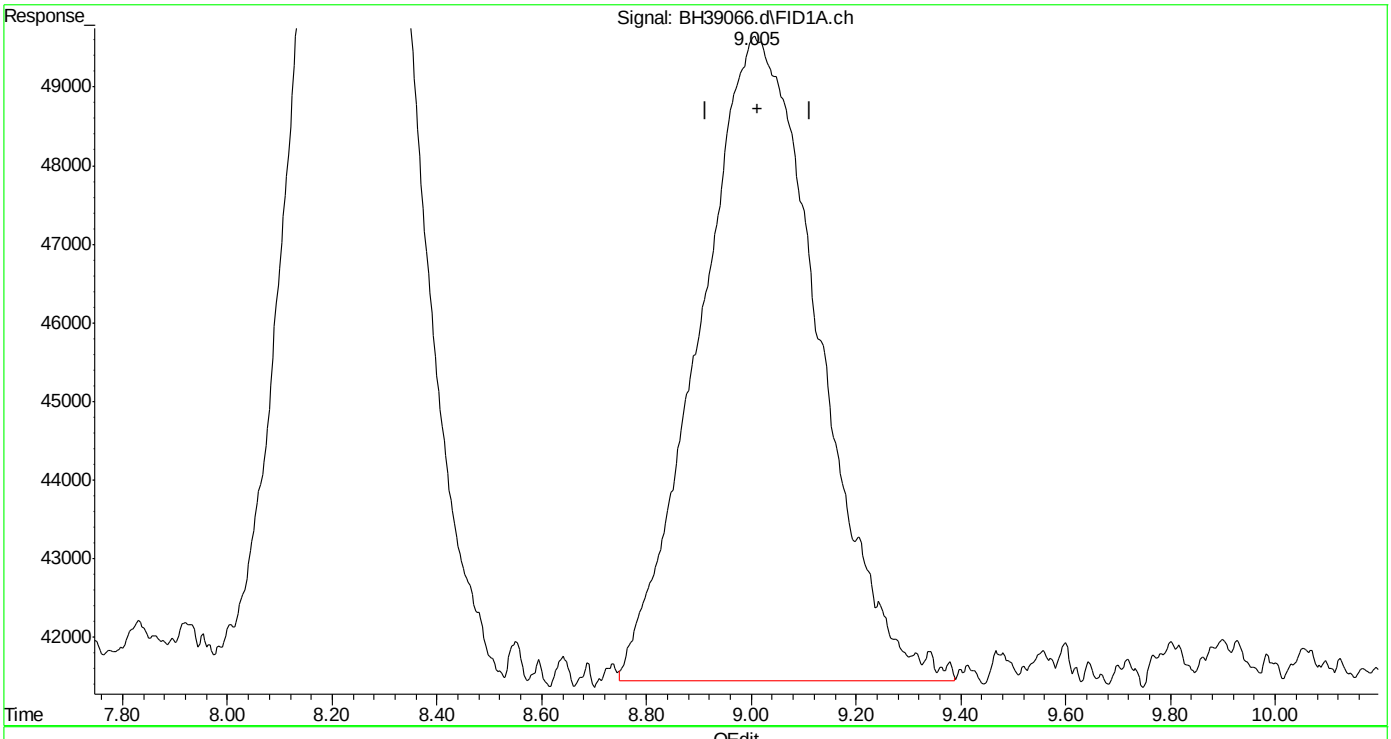
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.005min 2.084 ppb m
response 1295724

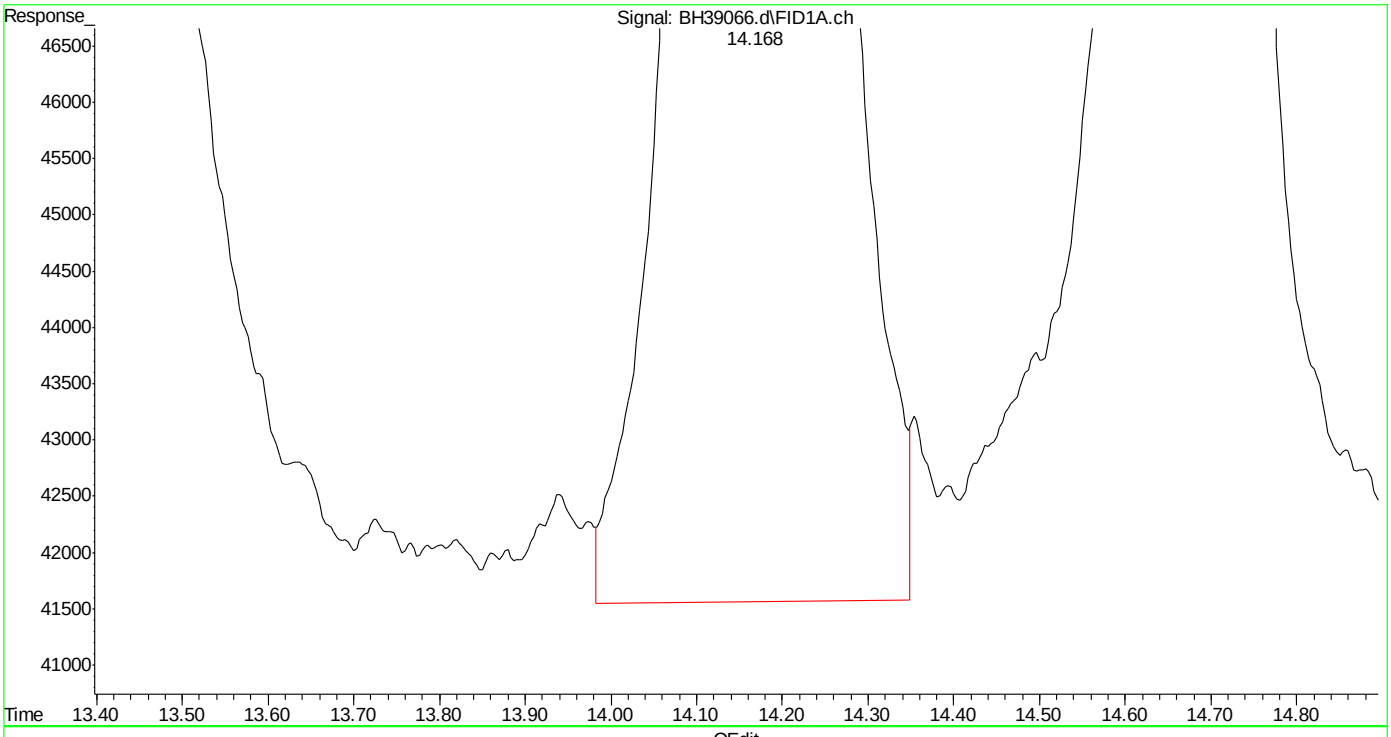
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:39:40 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.170min 2.243 ppb
response 2677253

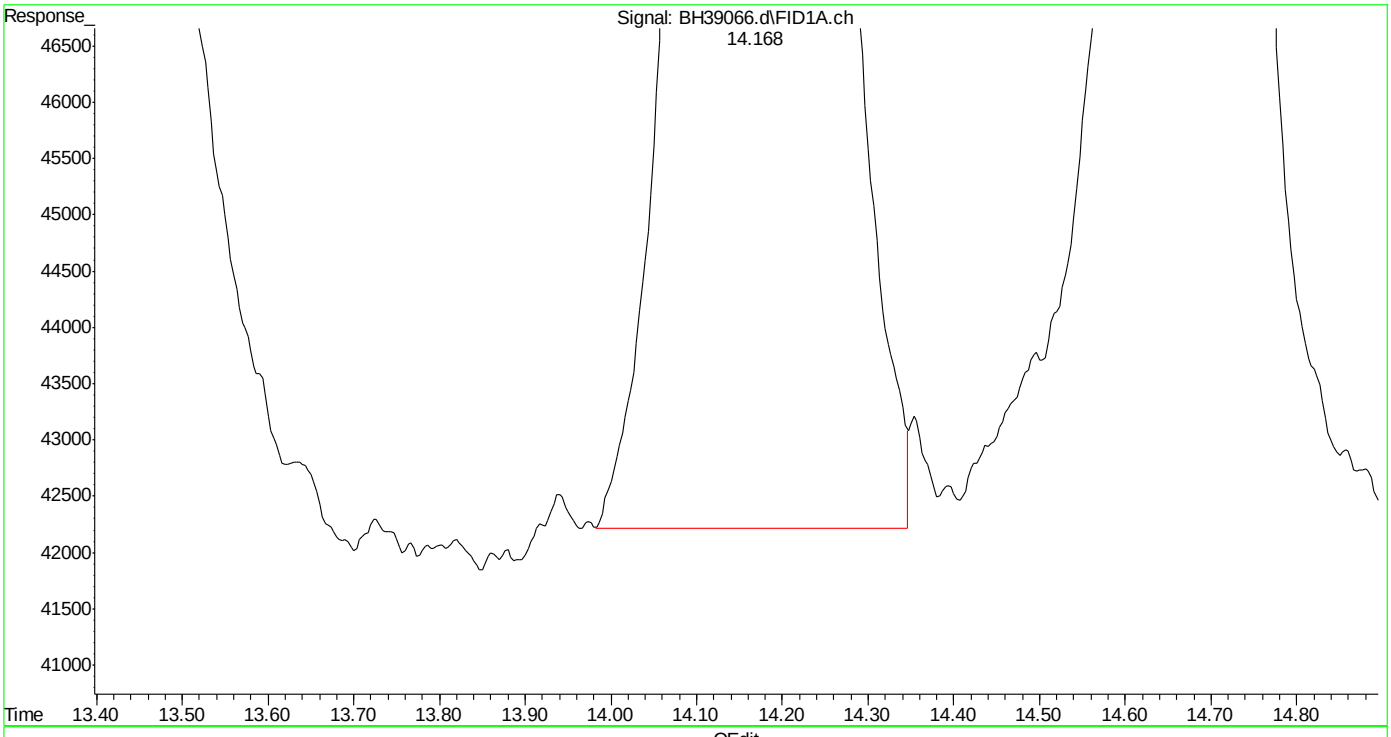
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:06 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.168min 2.121 ppb m
response 2531923

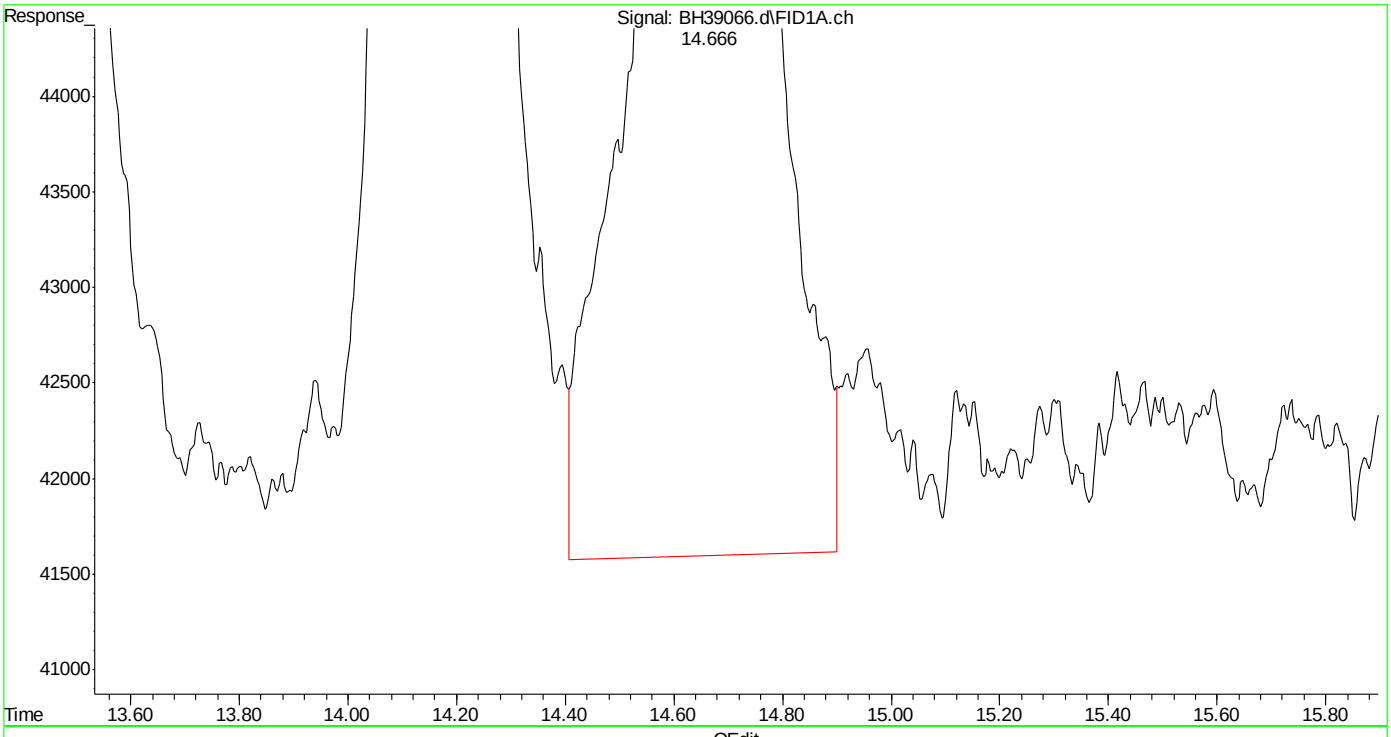
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.668min 2.406 ppb
response 2278365

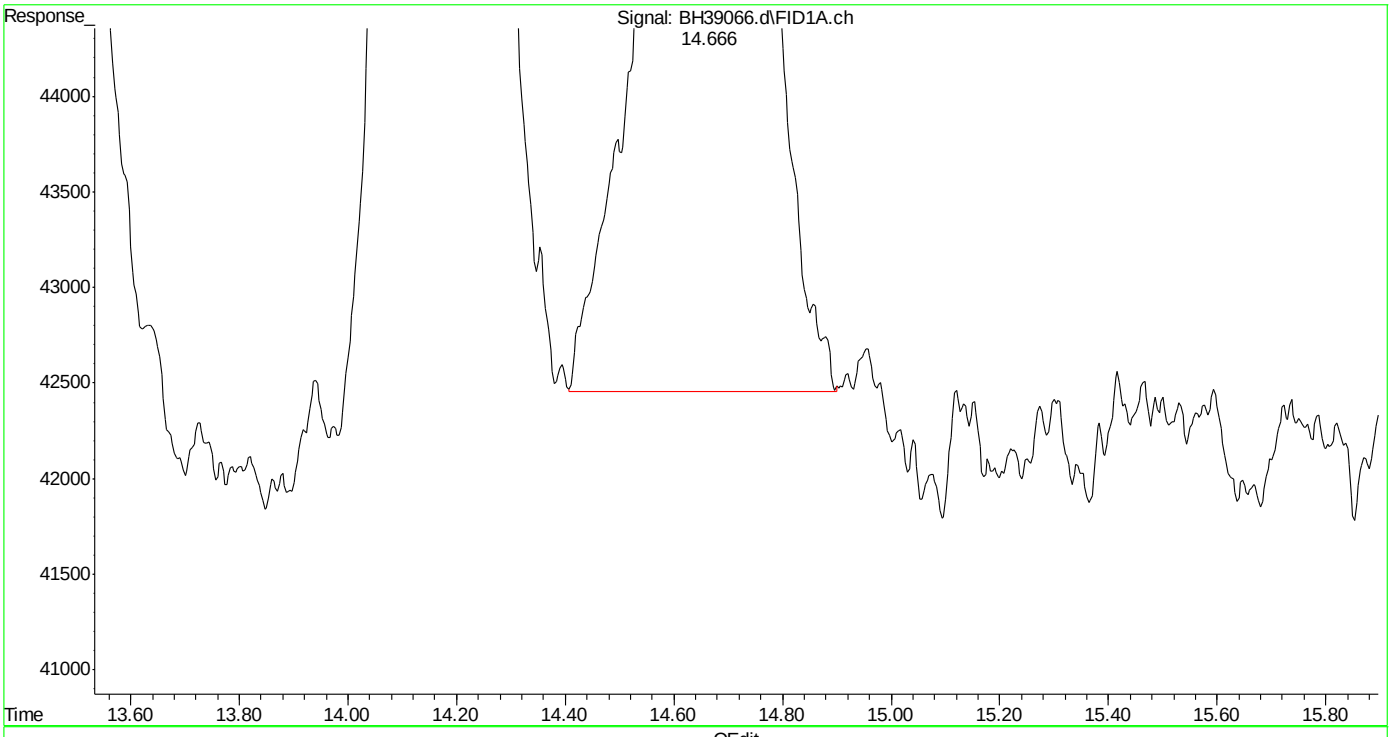
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:19 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.666min 2.139 ppb m
response 2025236

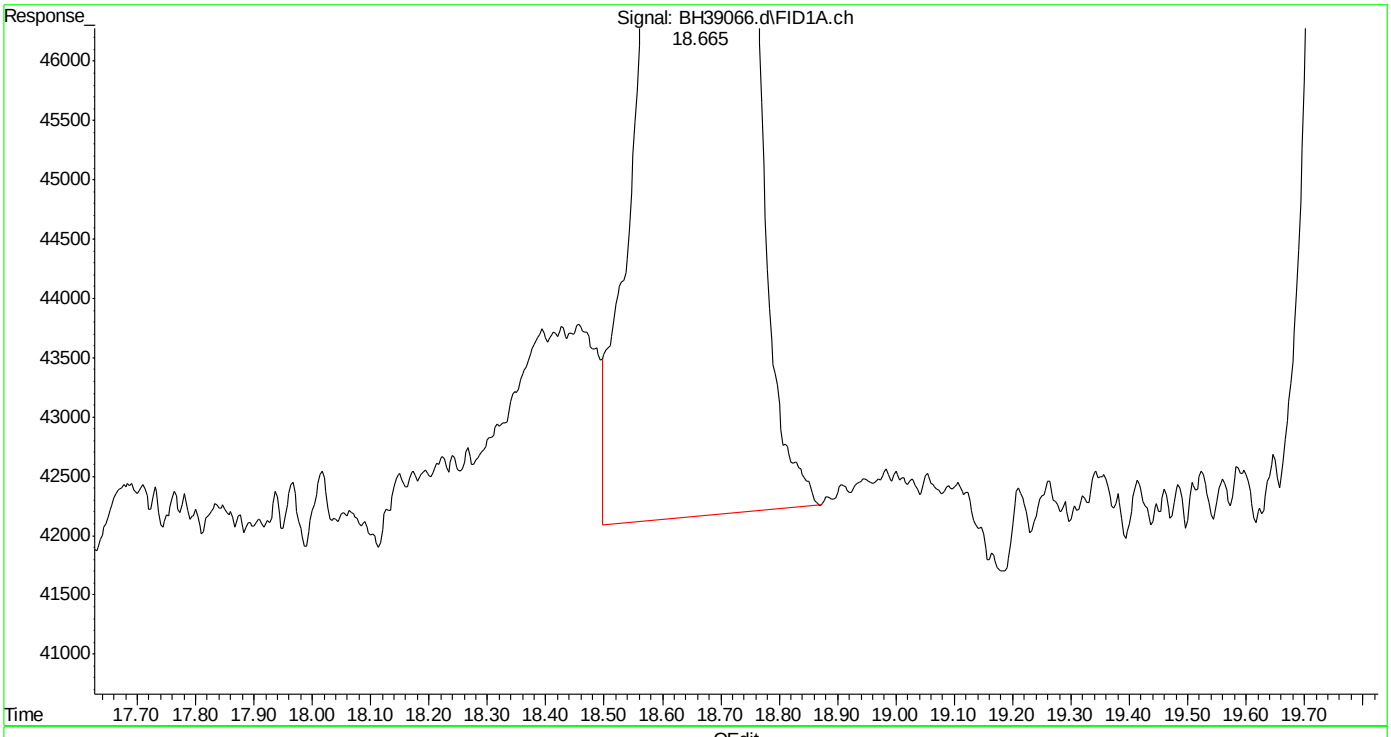
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.667min 2.181 ppb
response 2599607

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:35 2016

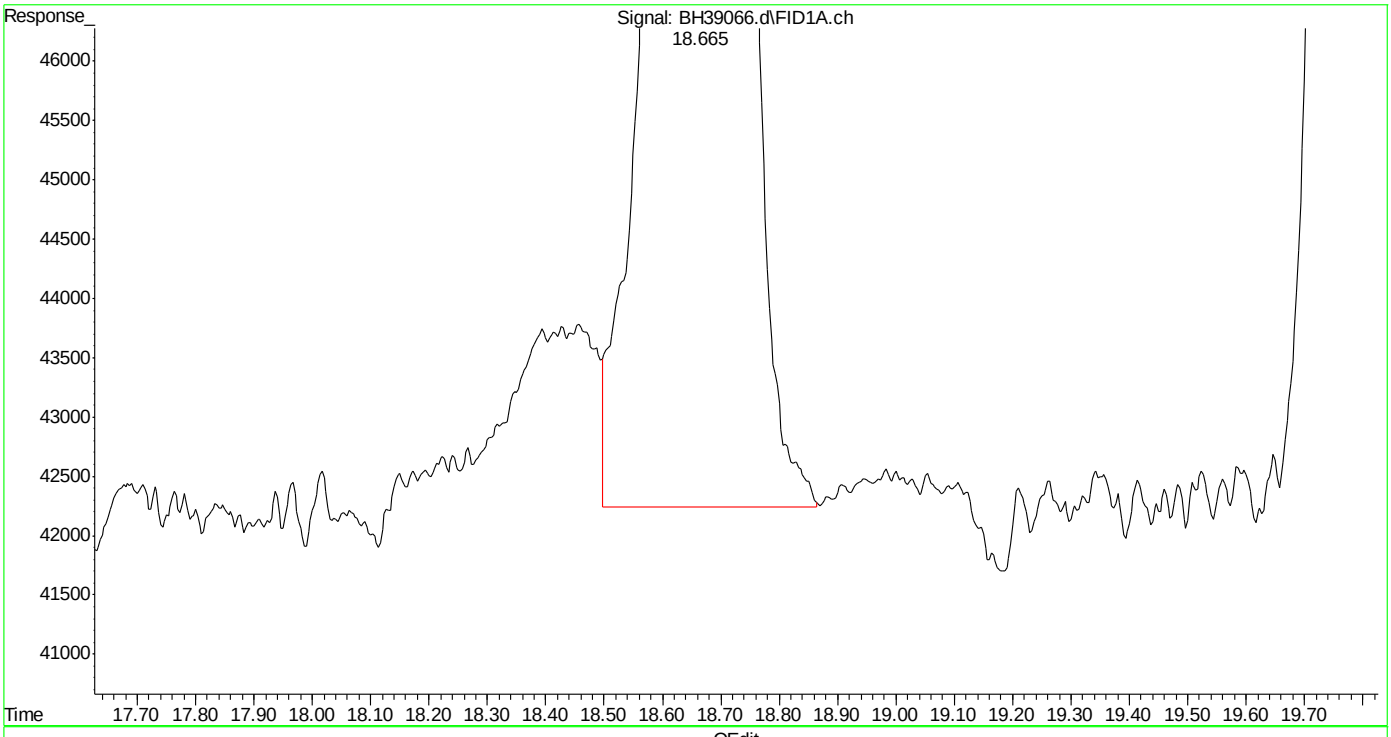
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.665min 2.167 ppb m
response 2582770

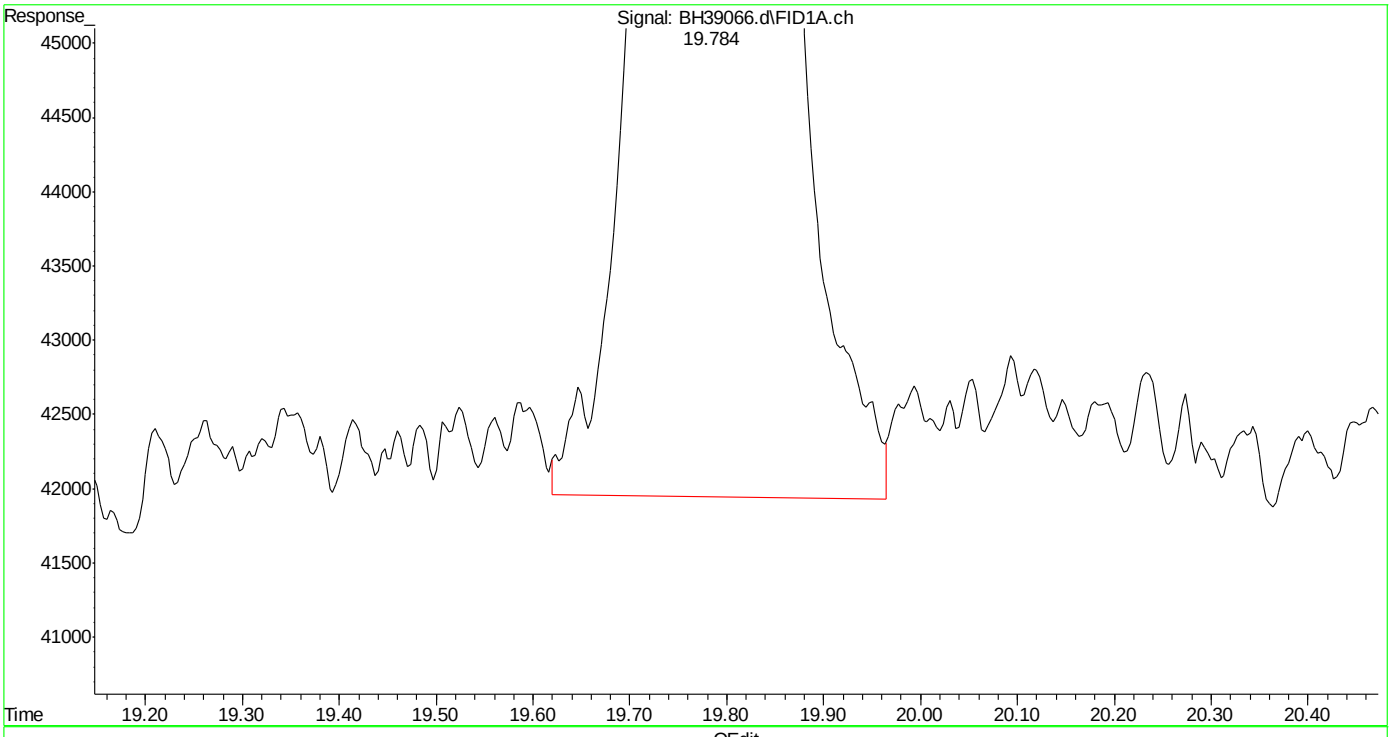
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:41 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.786min 2.329 ppb
response 1845076

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:46 2016 Page: 1

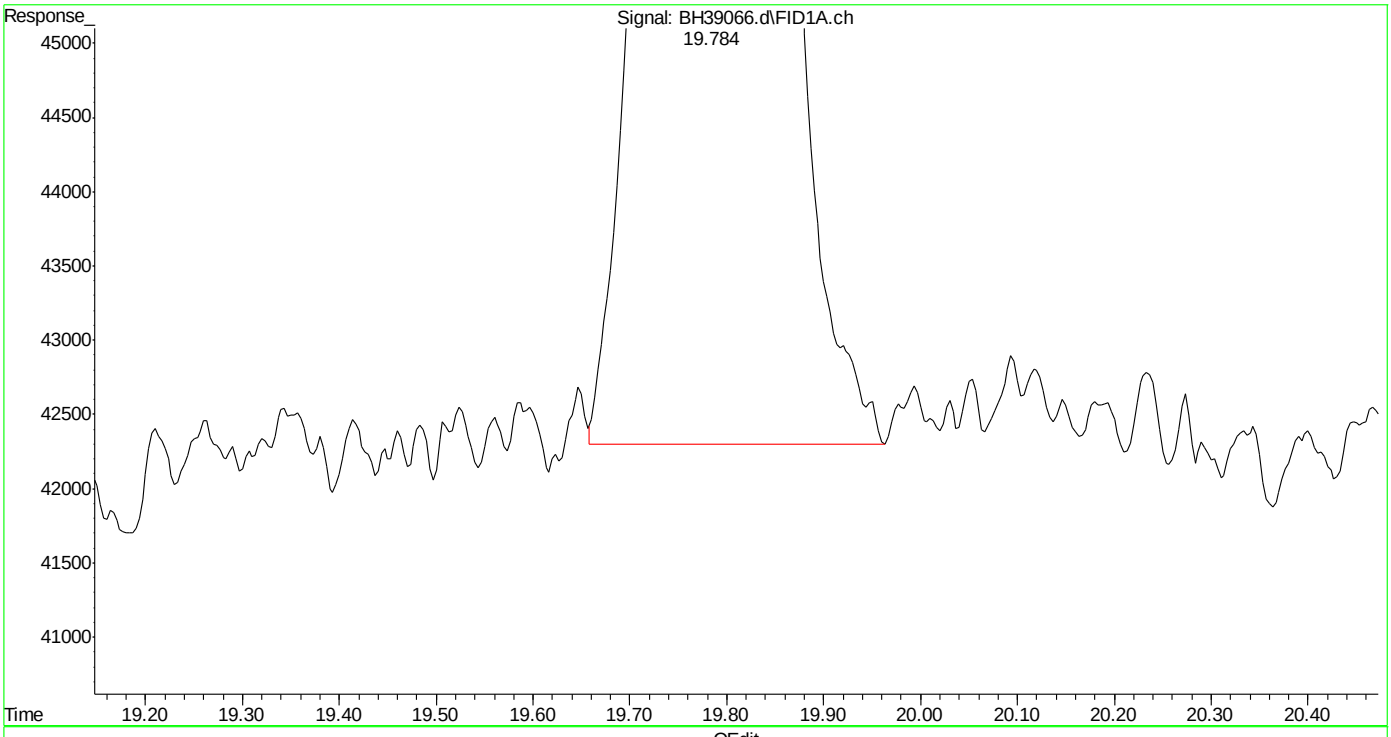
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.784min 2.233 ppb m
response 1769458

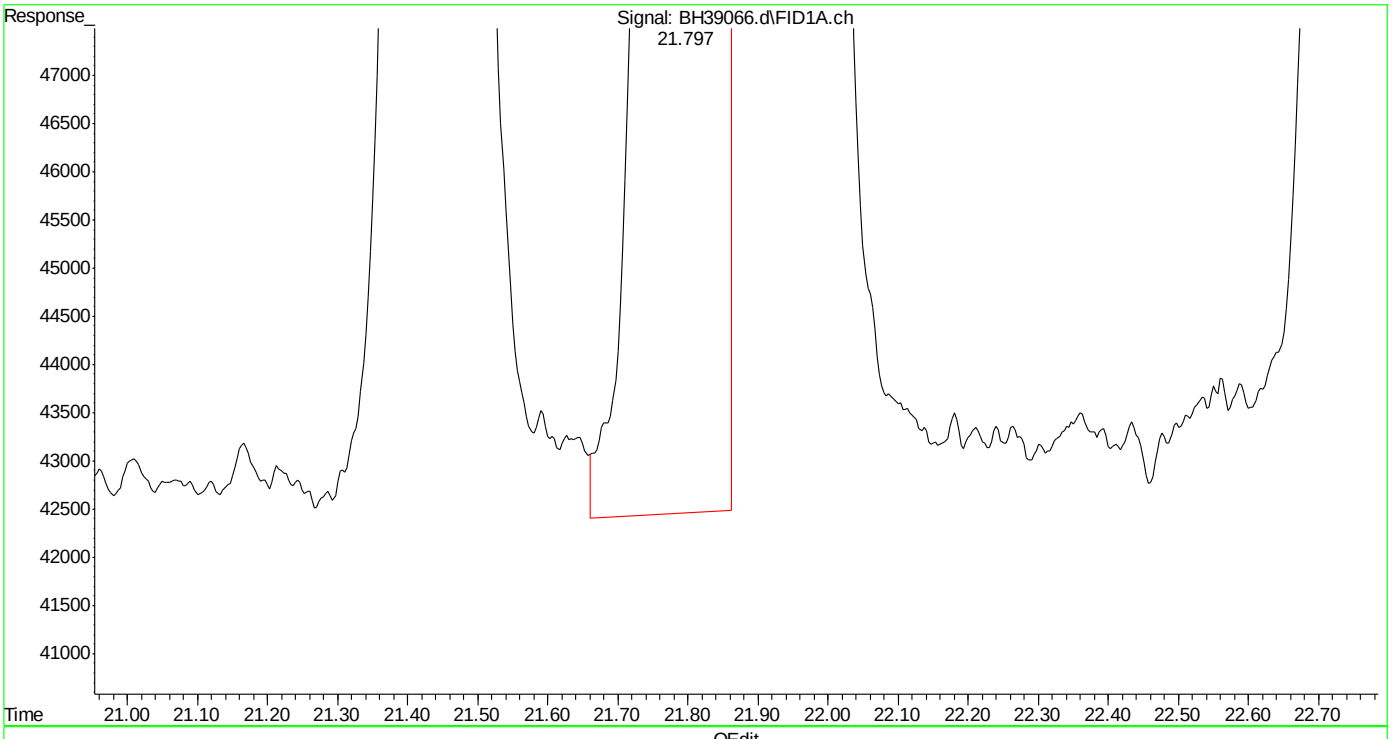
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 2.174 ppb
response 2558659

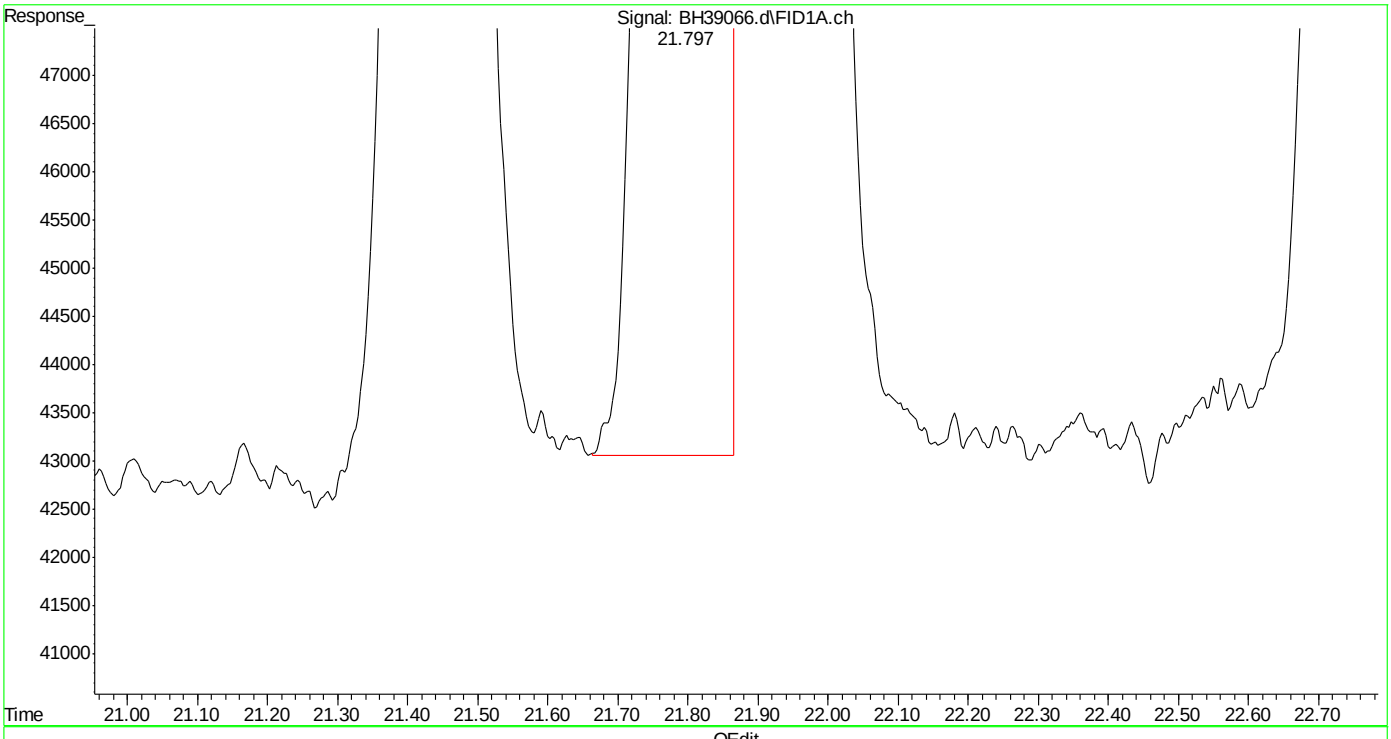
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:09 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.797min 2.153 ppb m
response 2534836

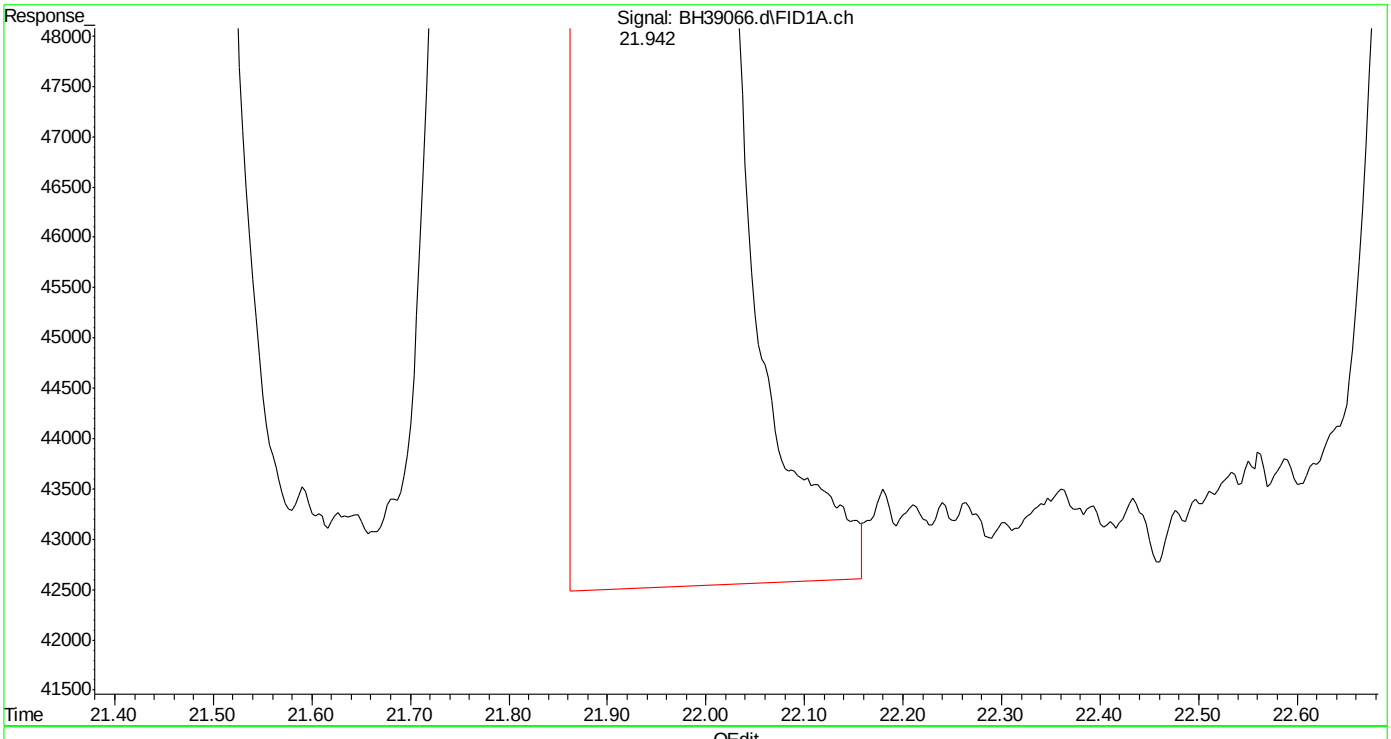
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:15 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 4.382 ppb
response 5423328

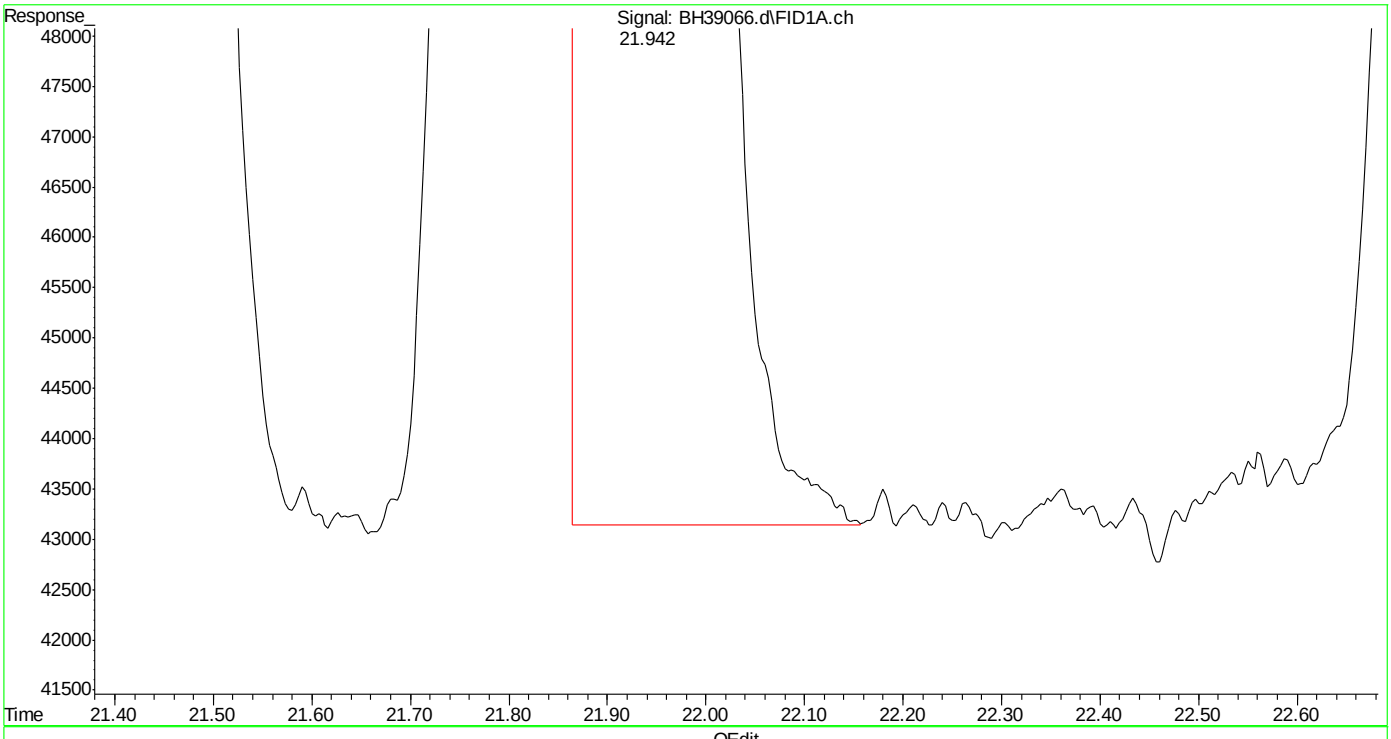
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:18 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.942min 4.270 ppb m
response 5284149

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:23 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.755min 2.227 ppb
response 2816880

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:27 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.753min 2.136 ppb m
response 2701691

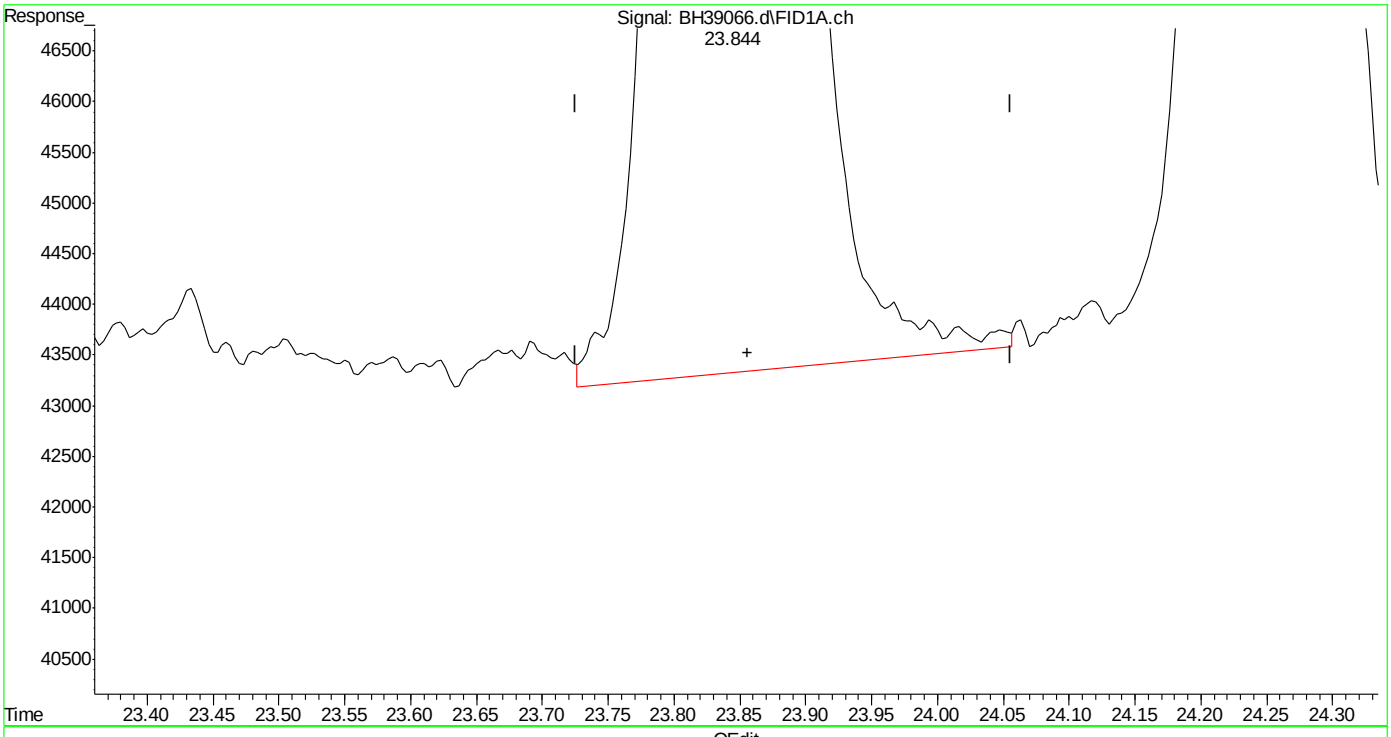
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:33 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 2.382 ppb
response 2587480

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:37 2016 Page: 1

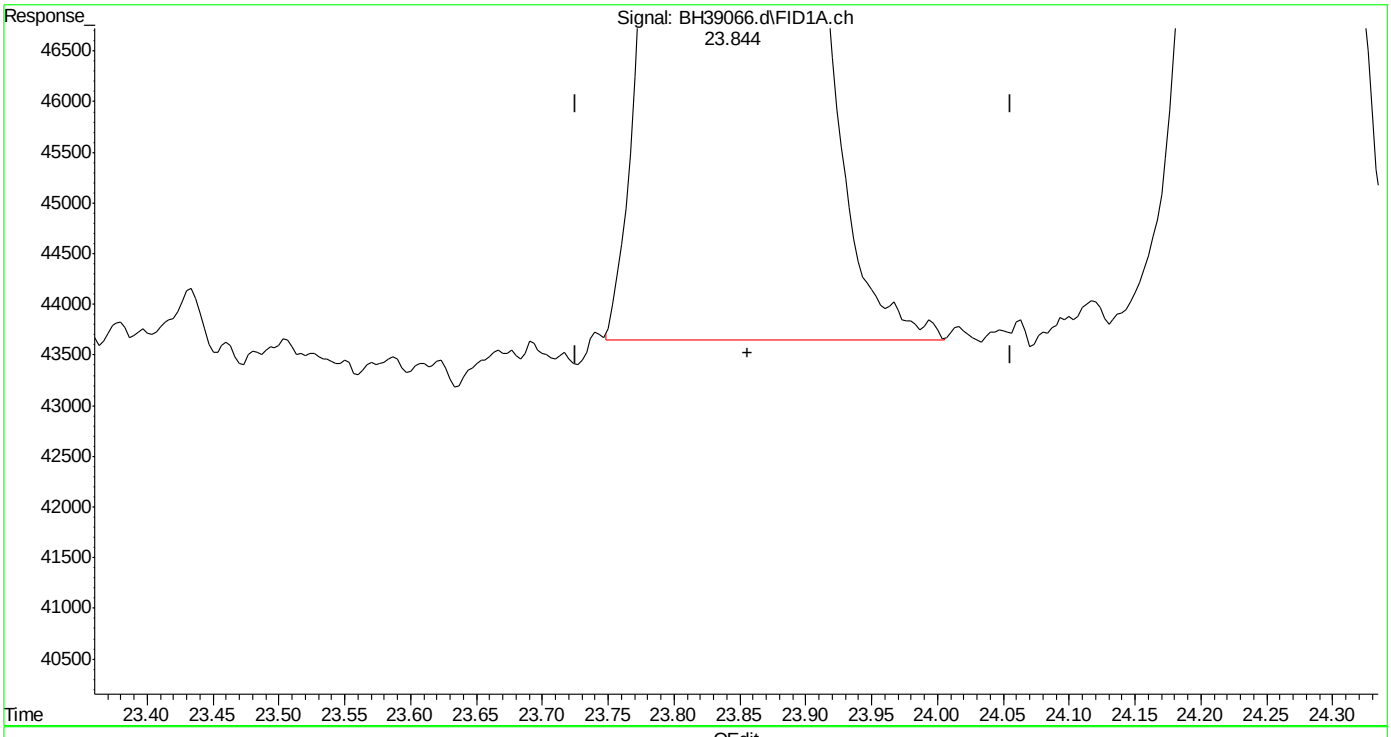
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 2.332 ppb m
response 2533298

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:46 2016

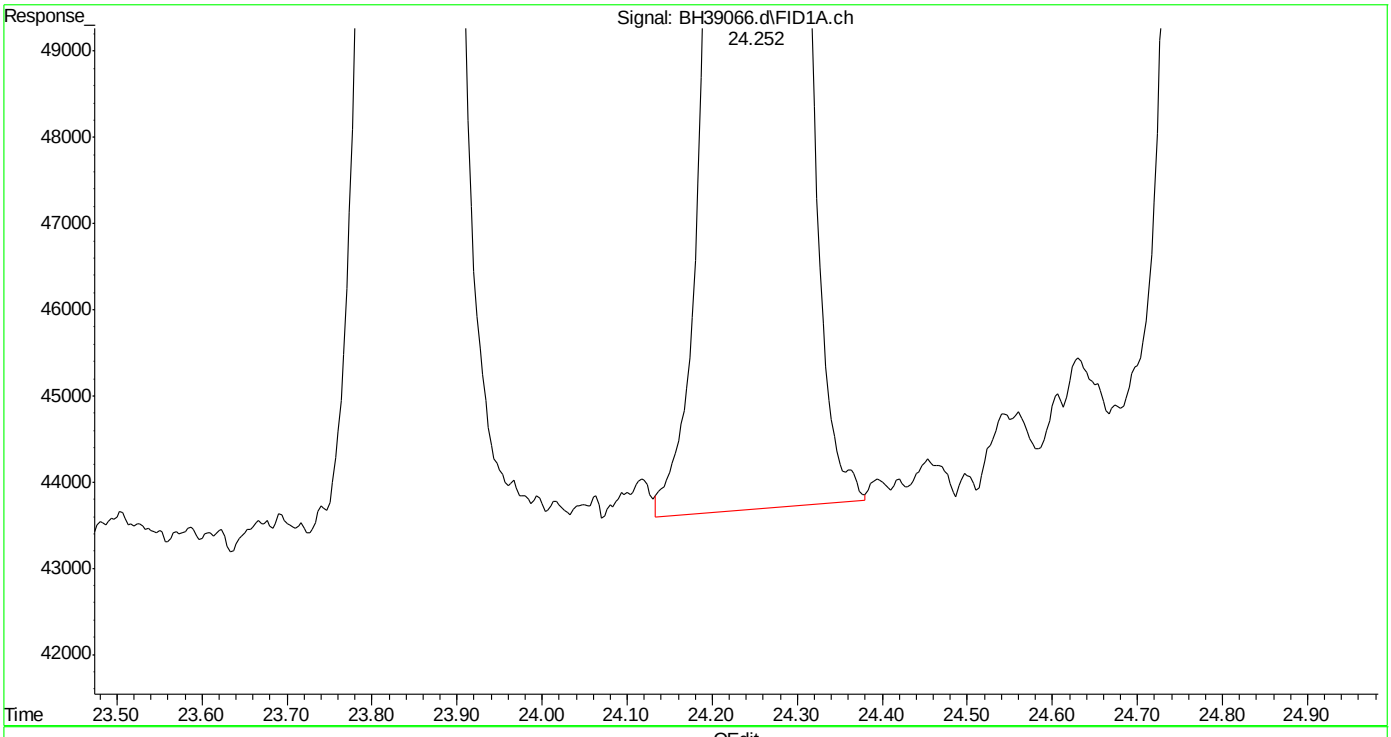
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)

24.254min 2.258 ppb

response 2972486

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 13:41:51 2016 Page: 1

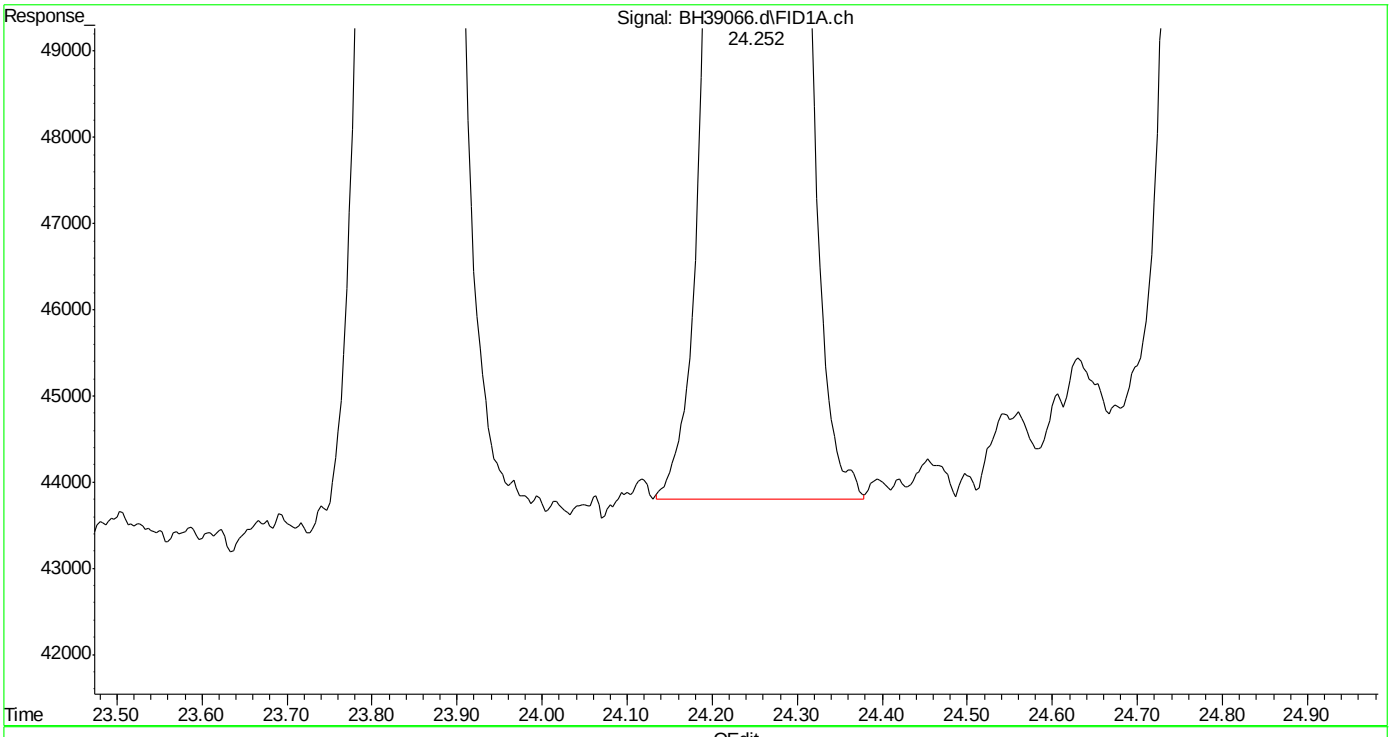
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.252min 2.245 ppb m
response 2955201

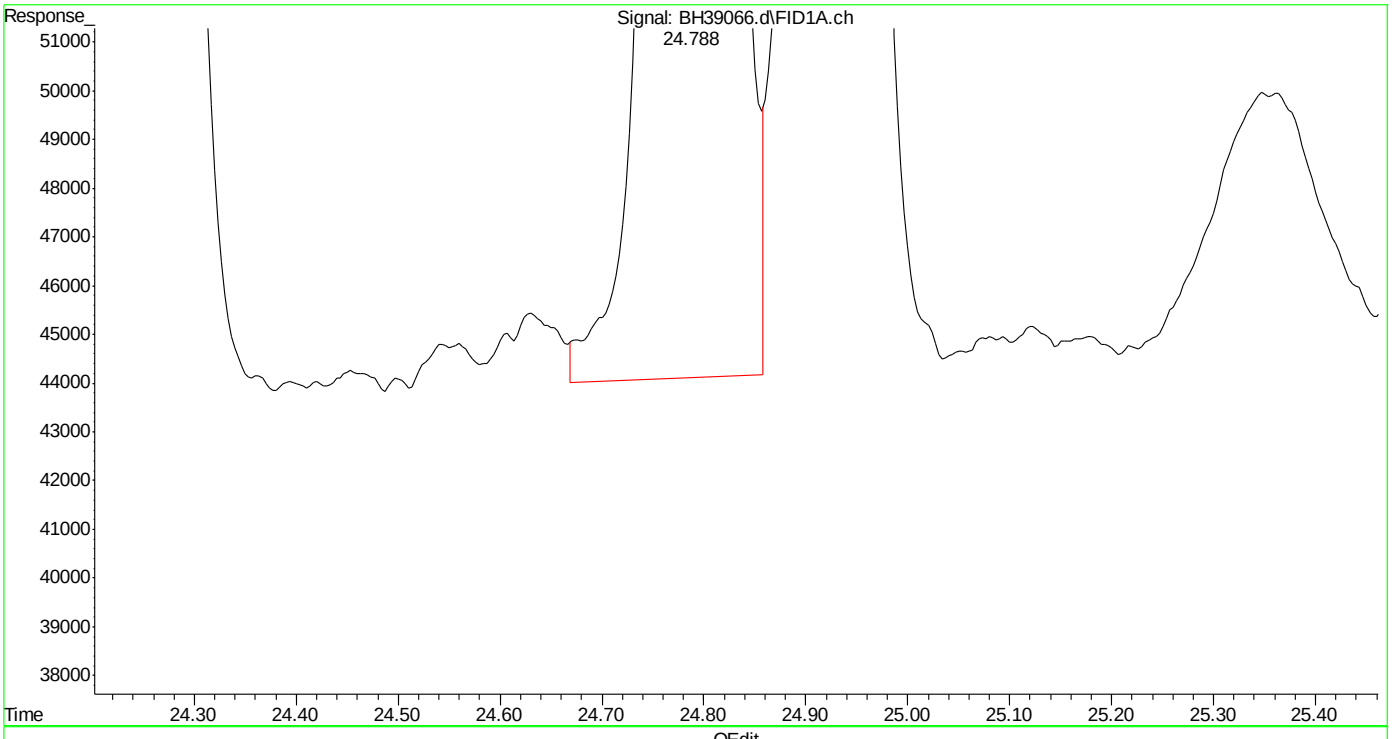
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:56 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.789min 2.315 ppb

response 3076177

(+) = Expected Retention Time

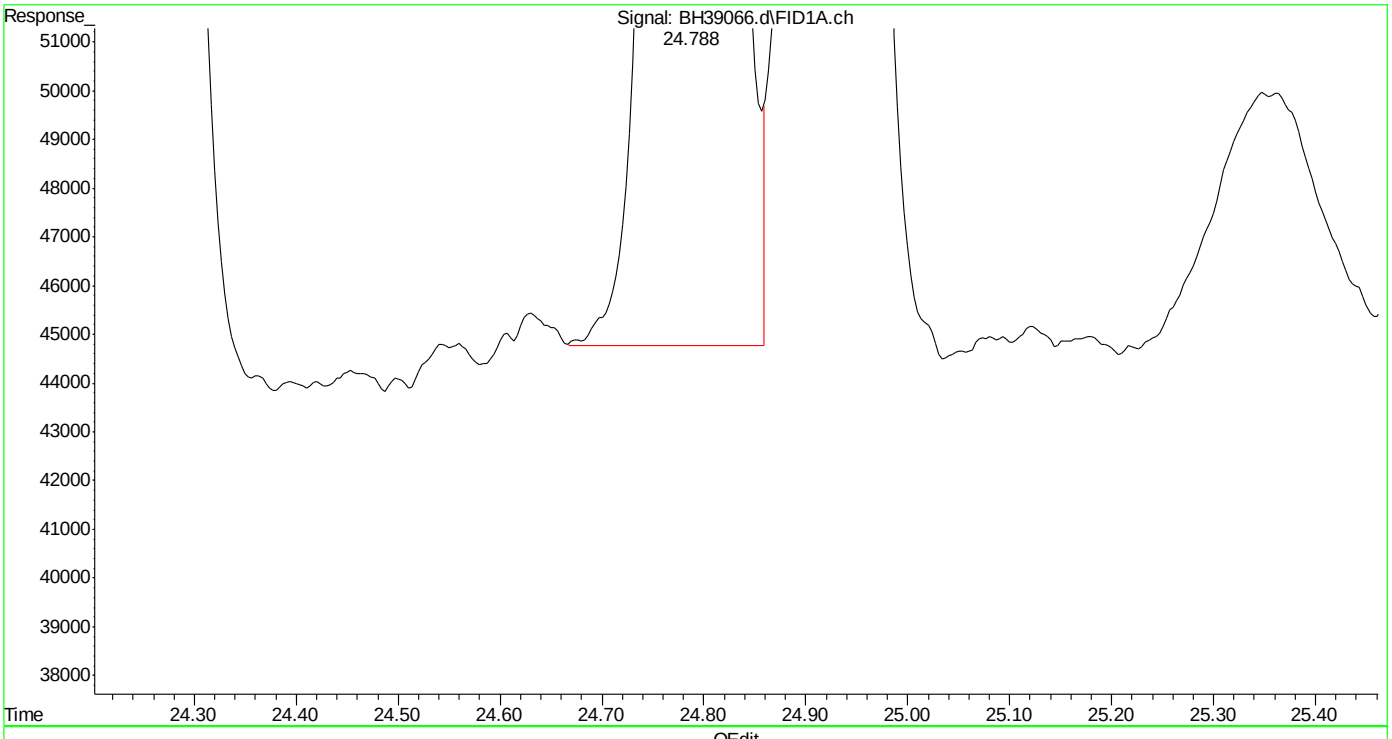
bh160420vphmaster.m Wed Apr 20 13:42:01 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 2.261 ppb m
response 3004972

(+) = Expected Retention Time

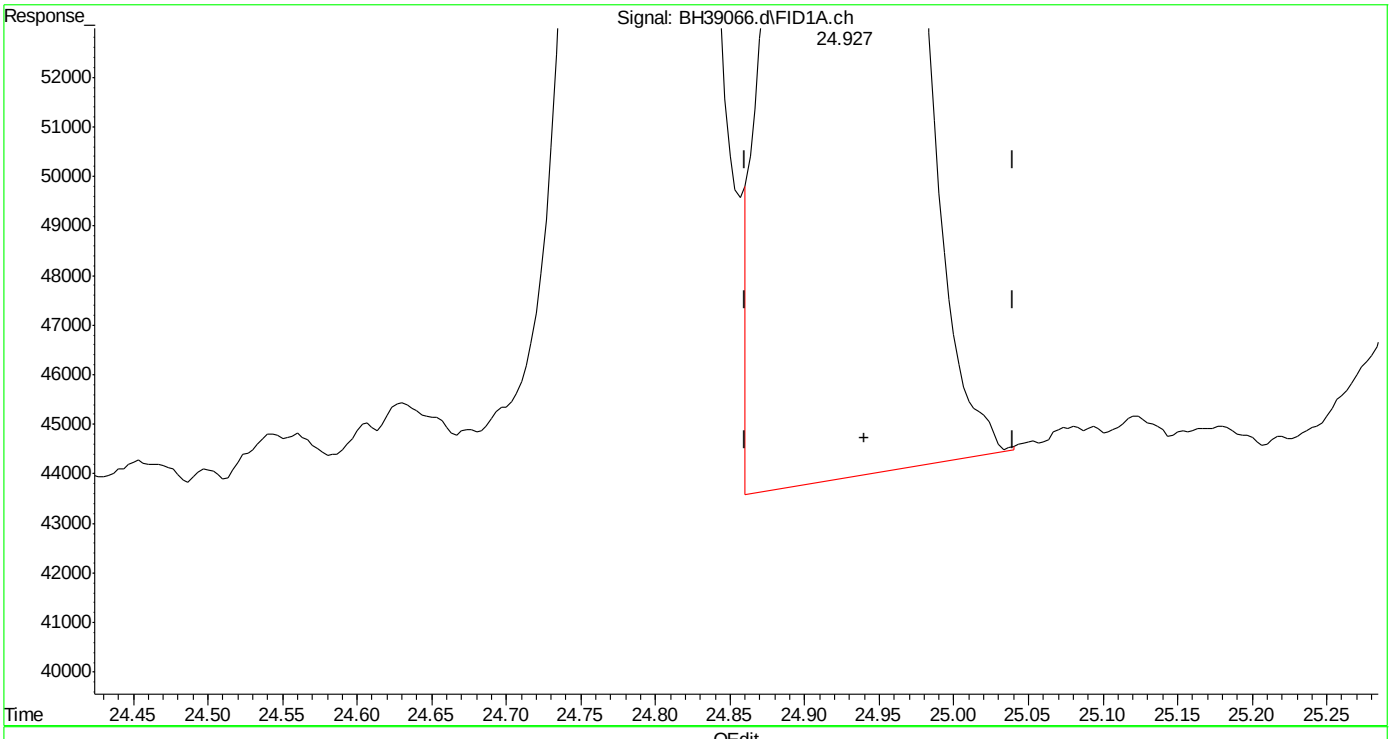
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 2.386 ppb
response 2831543

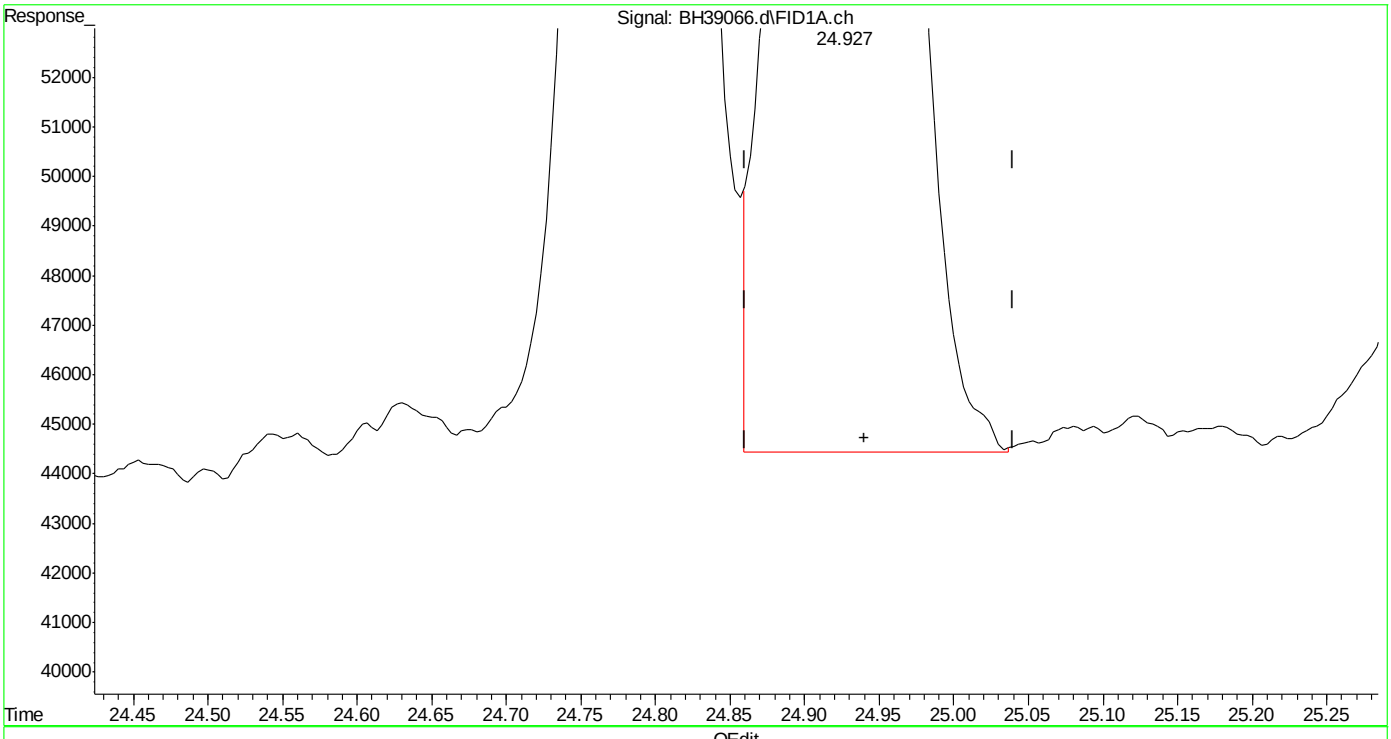
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 2.377 ppb m
response 2820356

(+) = Expected Retention Time

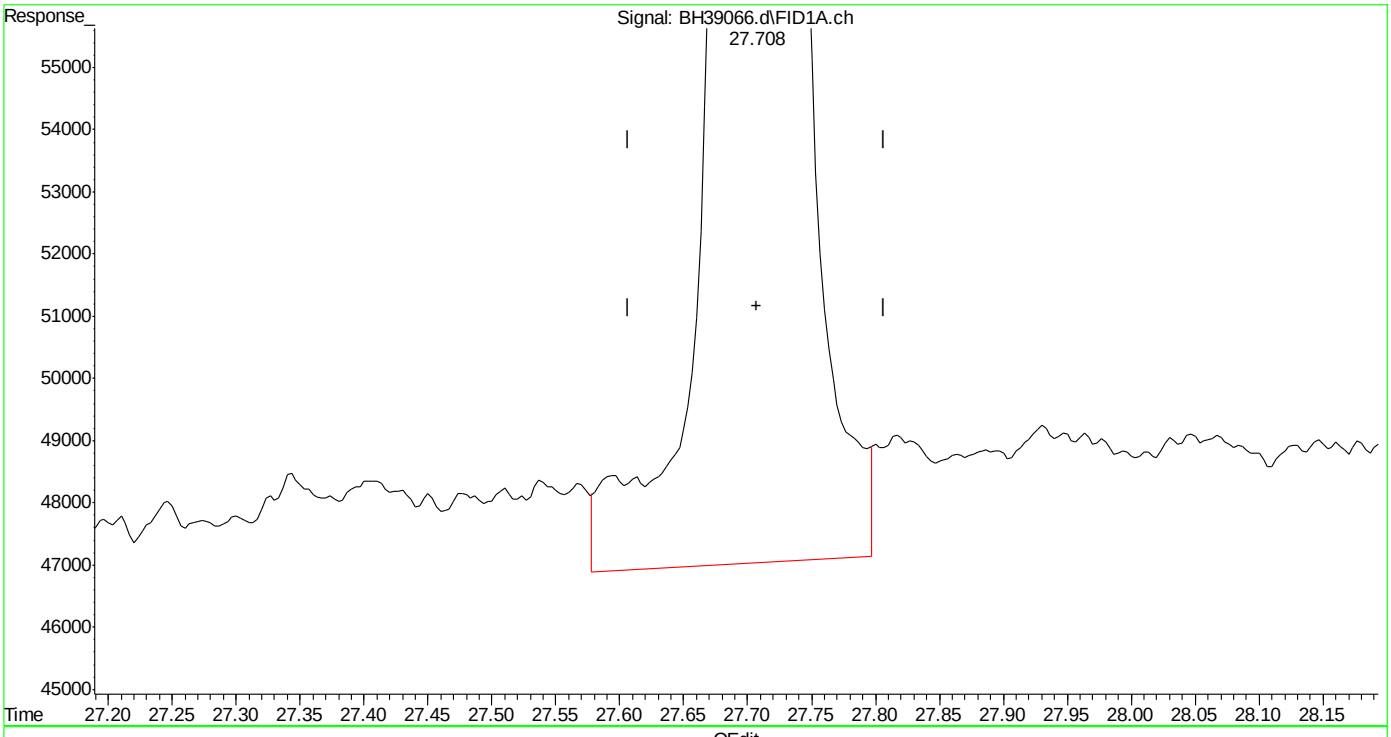
bh160420vphmaster.m Wed Apr 20 13:42:23 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 2.369 ppb
response 1972489

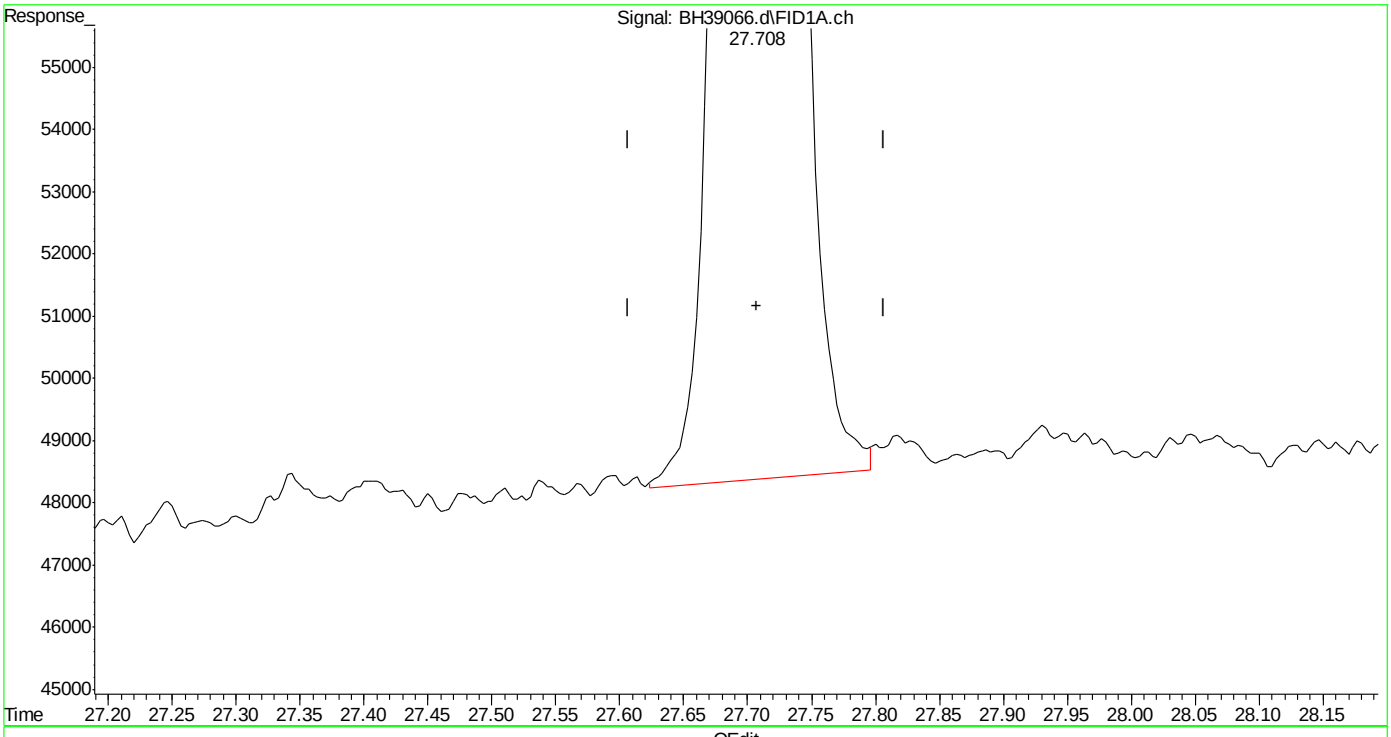
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.708min 2.154 ppb m
response 1793508

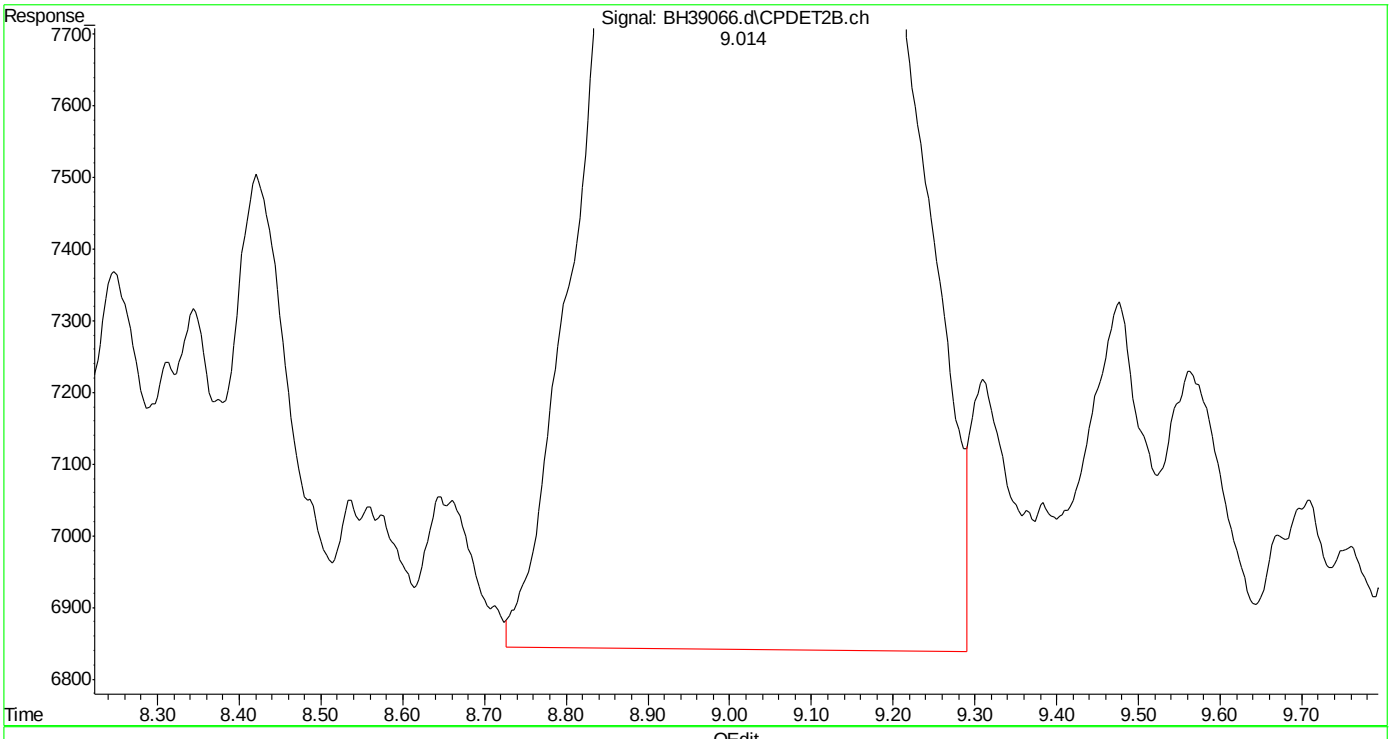
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.016min 2.101 ppb
response 603062

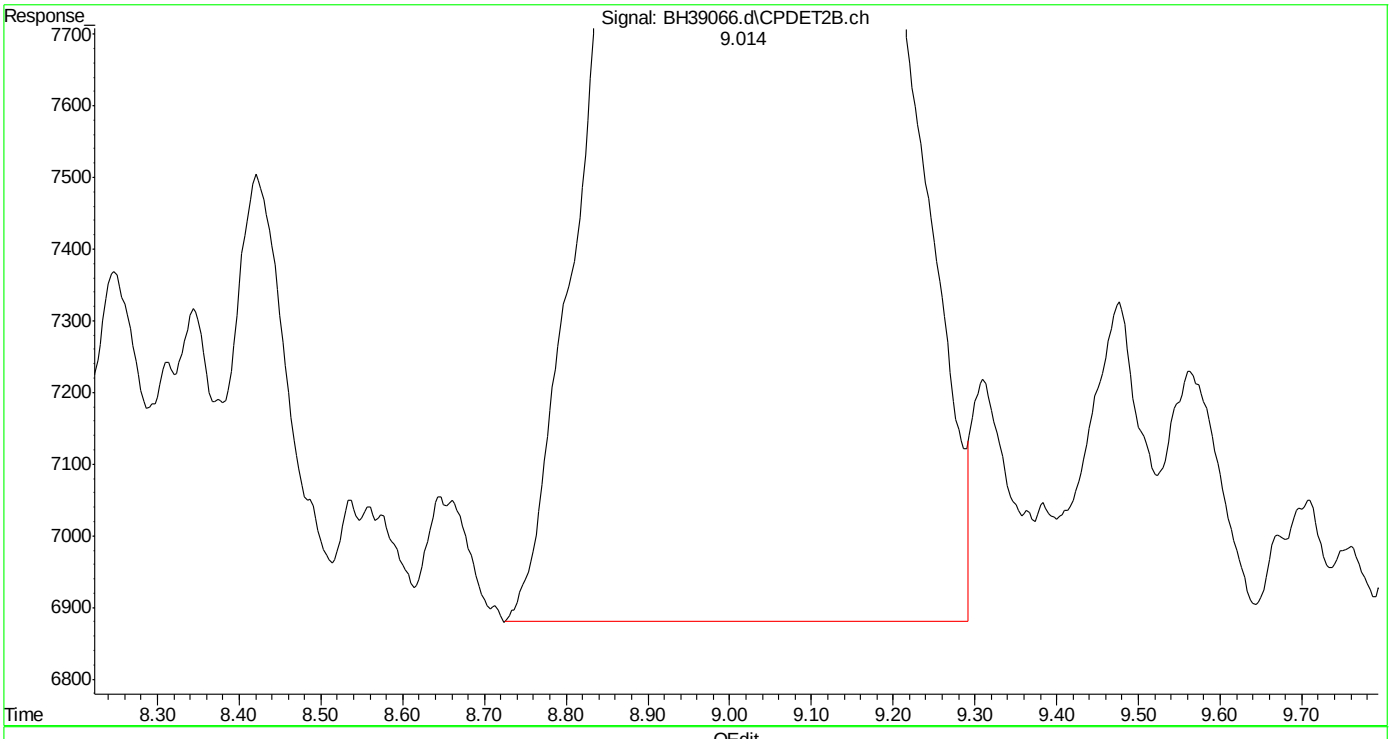
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:39 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.014min 2.056 ppb m
response 590163

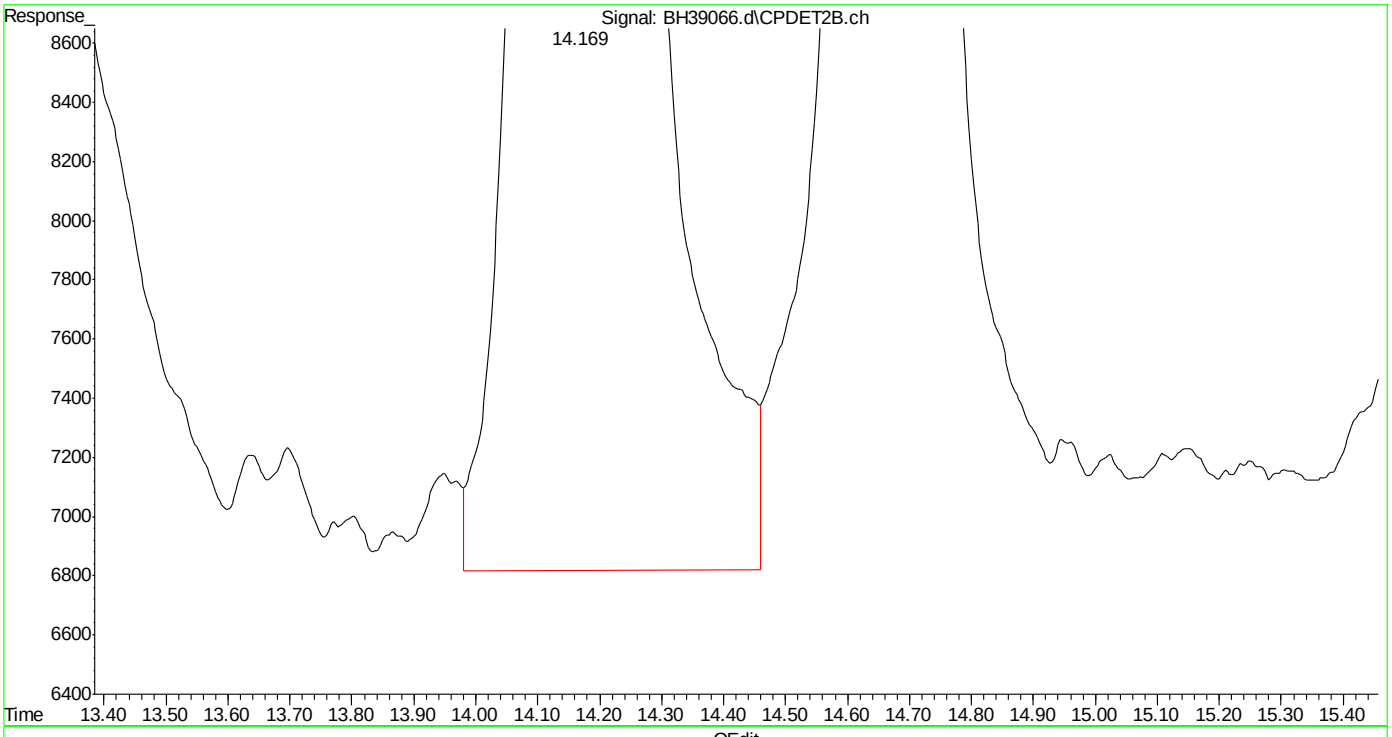
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:46 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.171min 2.257 ppb
response 1477337

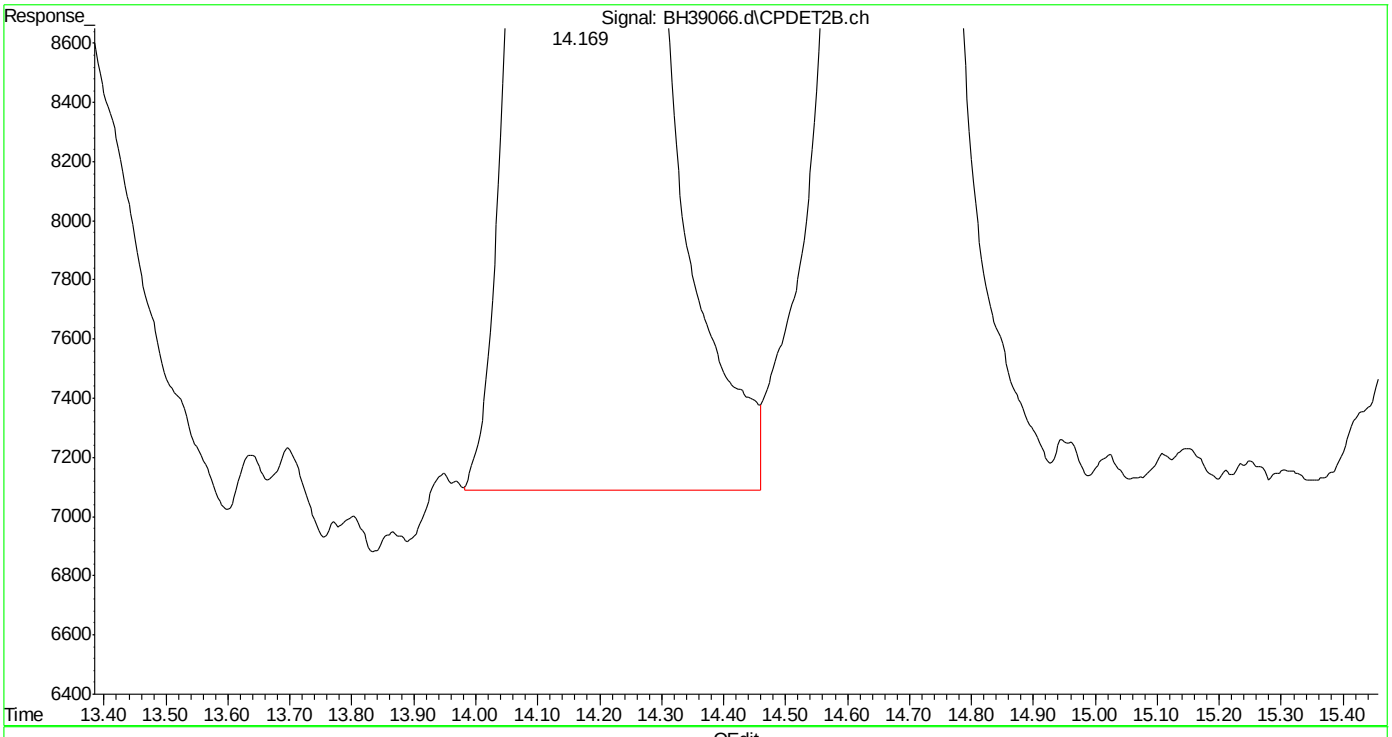
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 2.137 ppb m
response 1399084

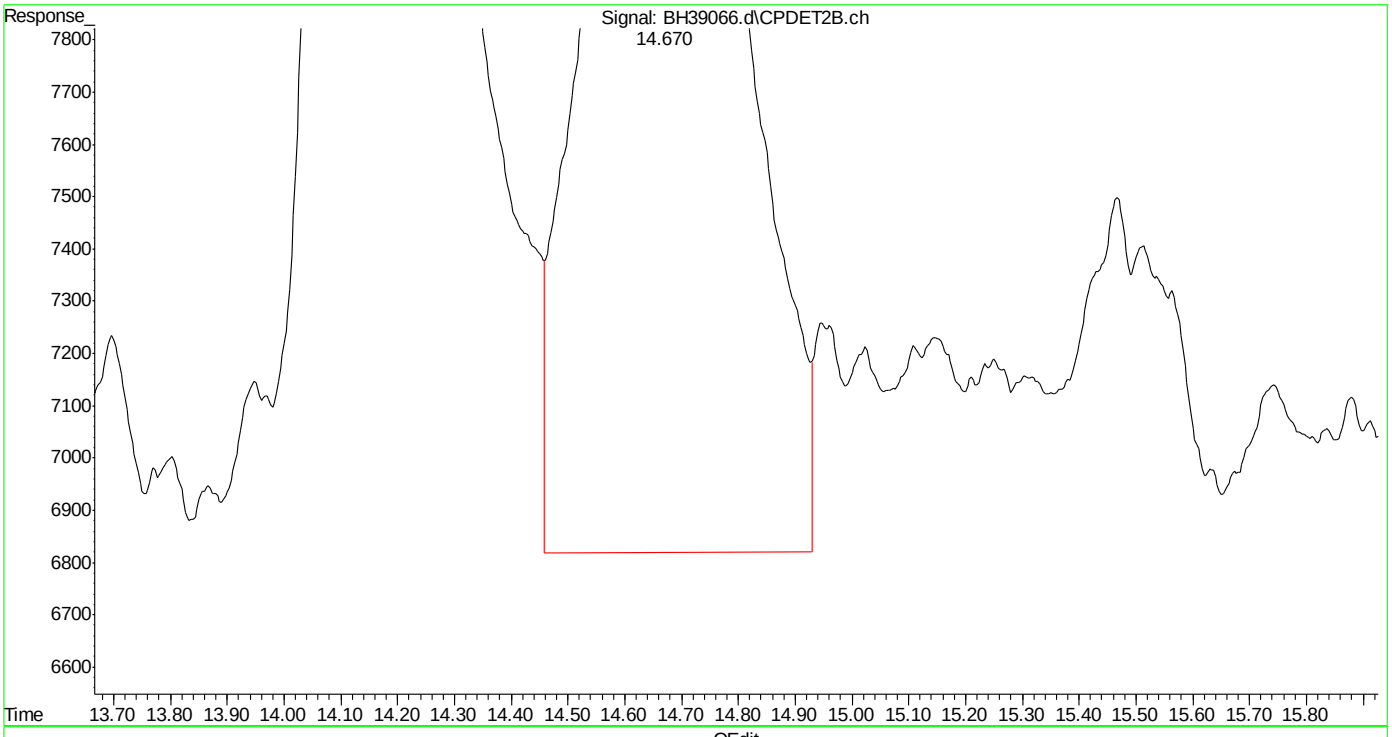
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:59 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.672min 2.305 ppb
response 946722

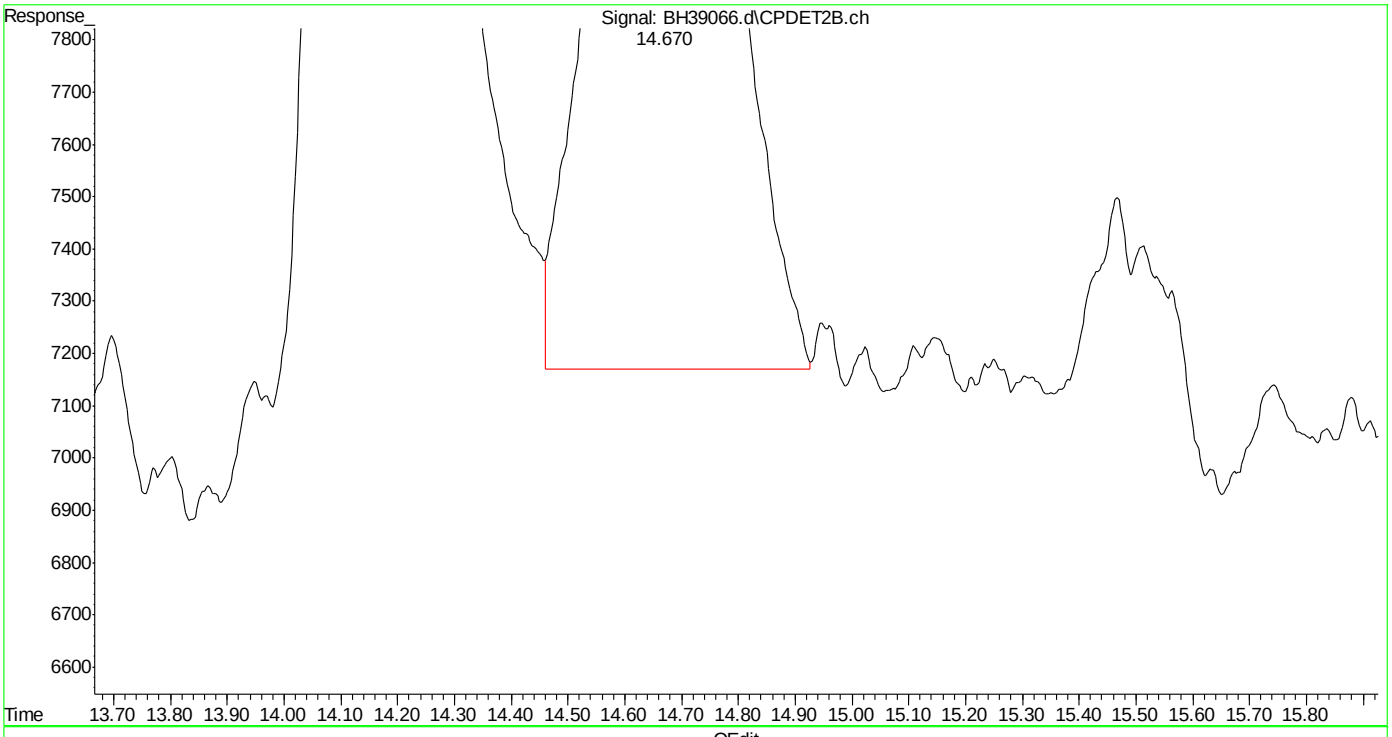
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:03 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 2.063 ppb m
response 847261

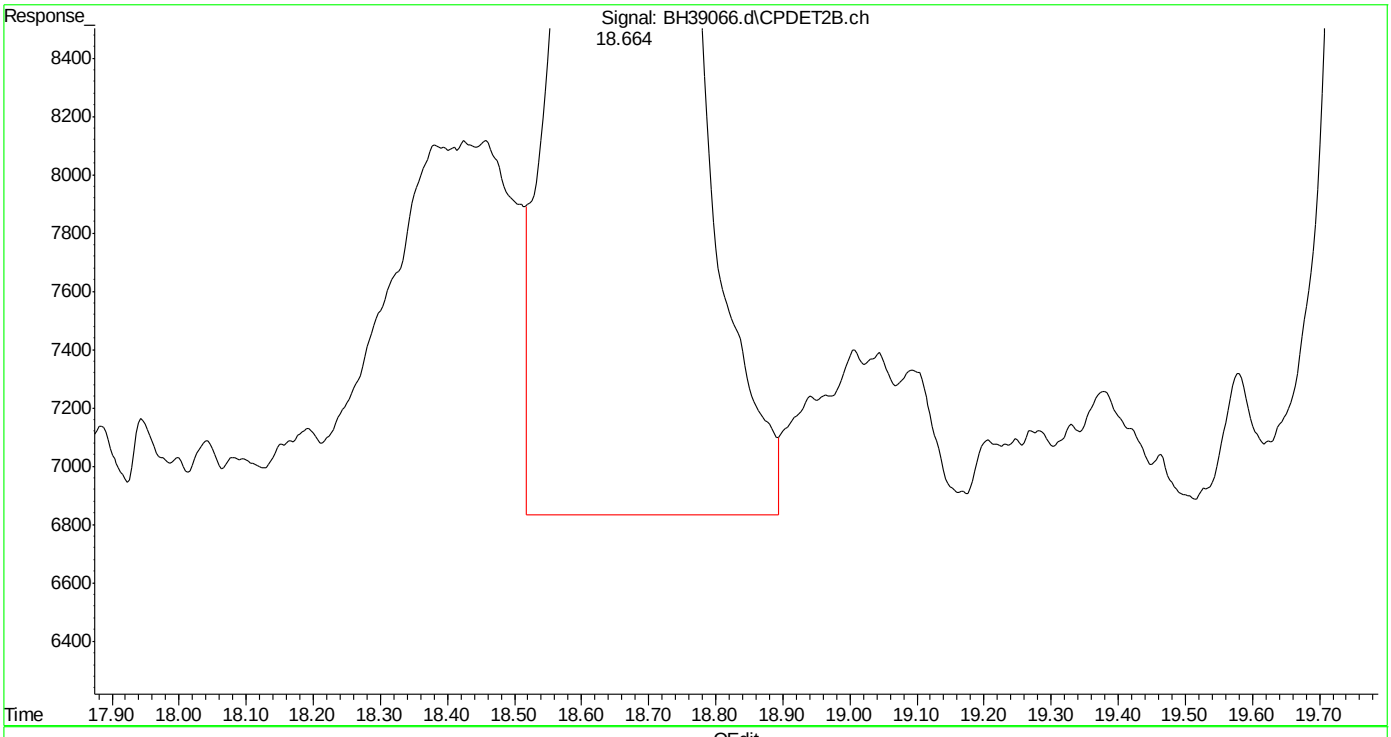
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:10 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 2.172 ppb
response 1334473

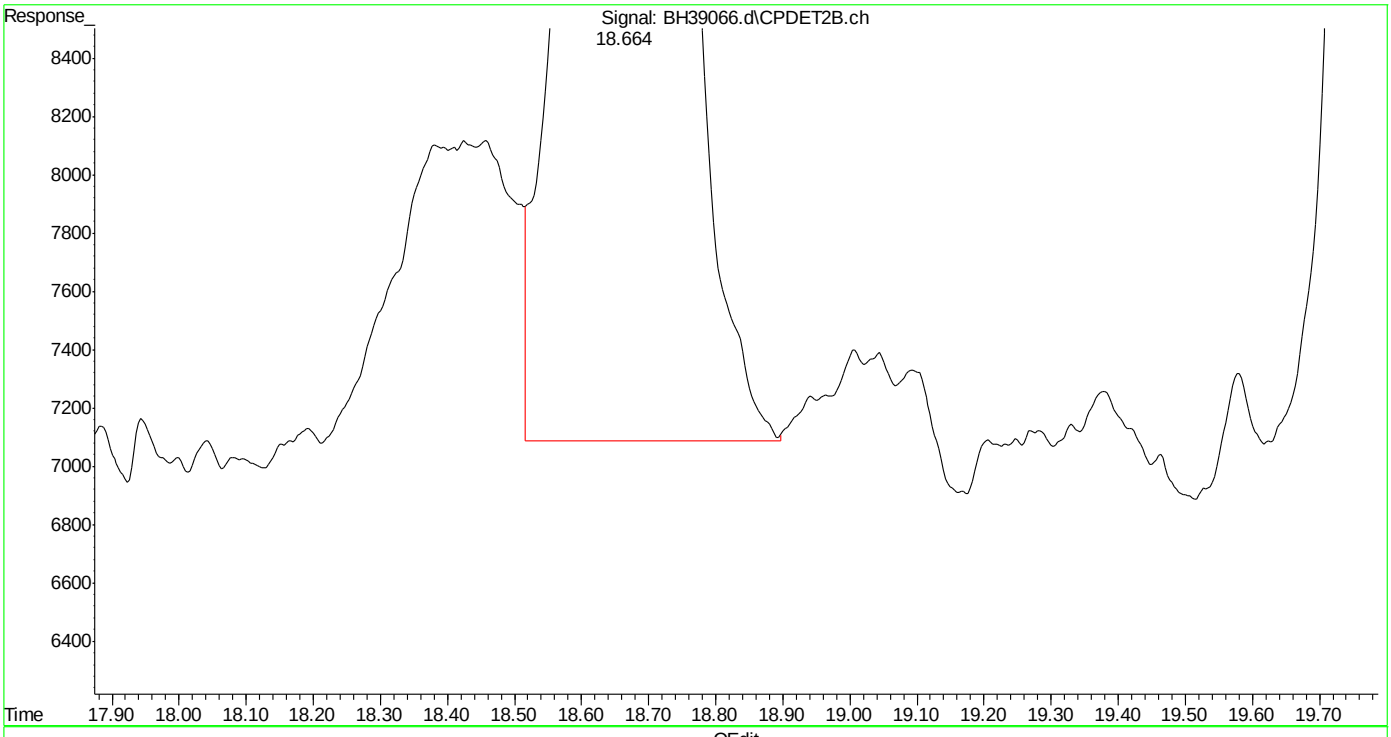
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 2.079 ppb m
response 1277211

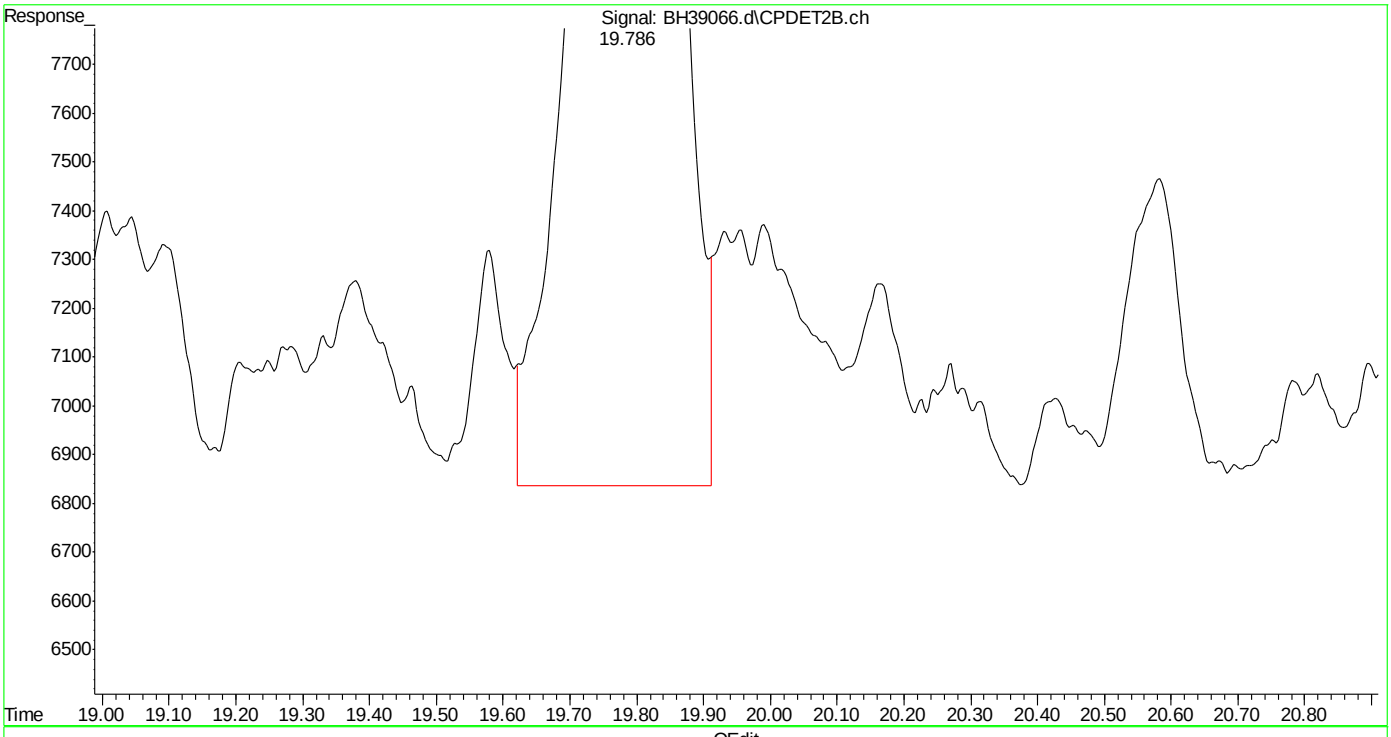
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:19 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.787min 2.312 ppb
response 574736

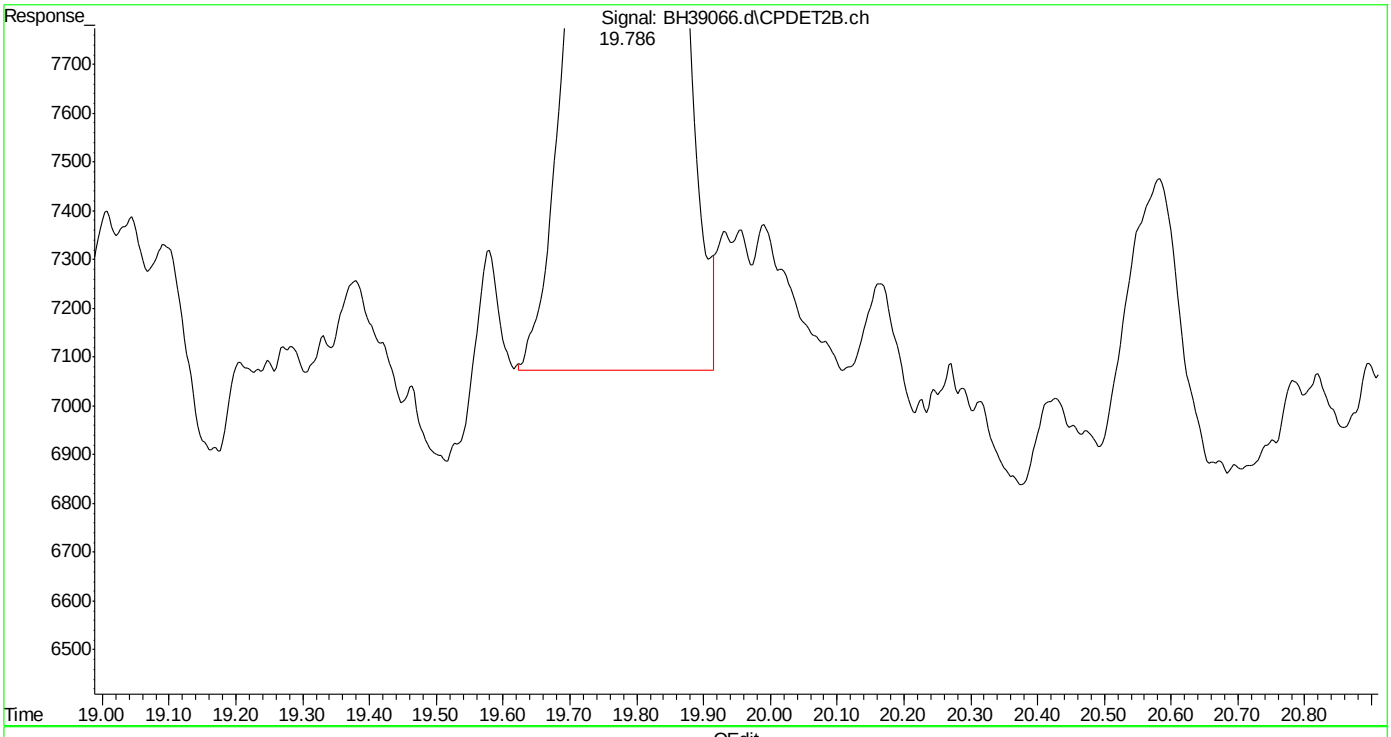
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:24 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 2.148 ppb m
response 534013

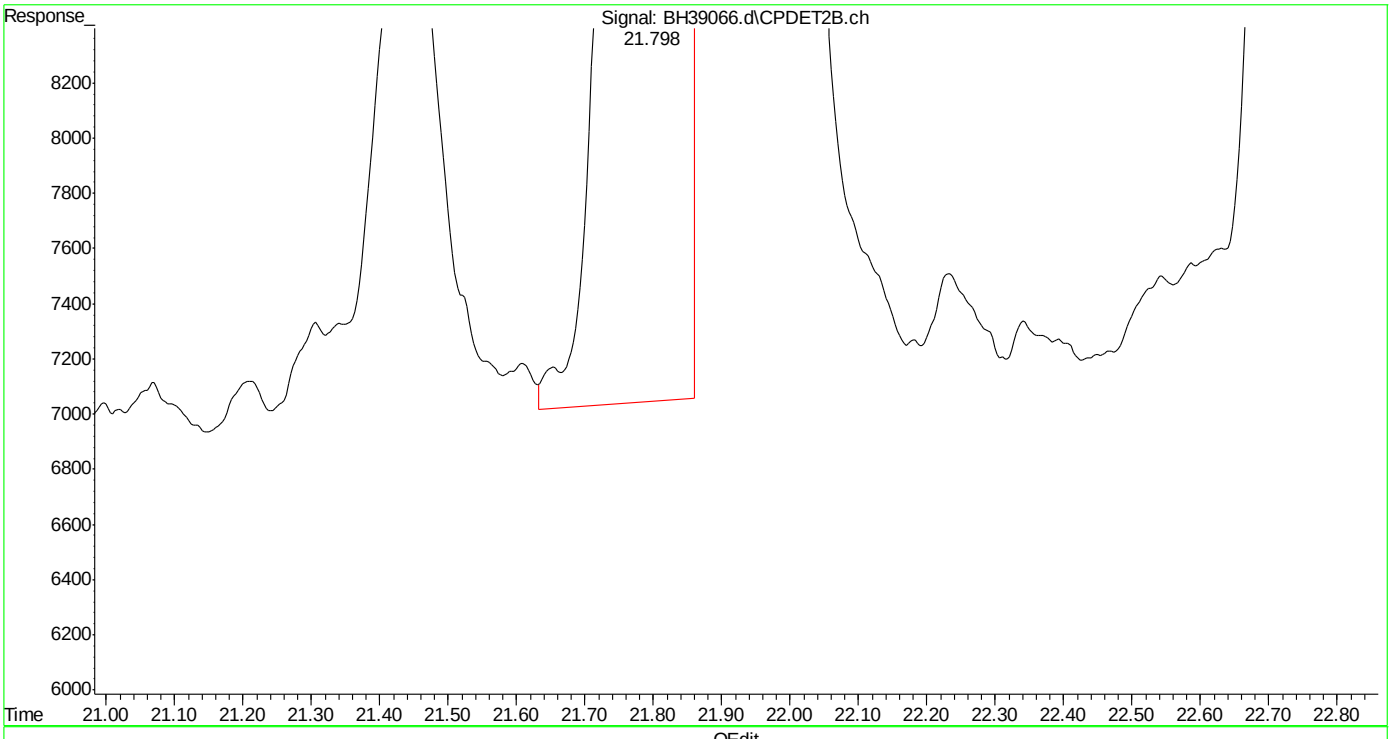
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:30 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.800min 2.085 ppb
response 1125341

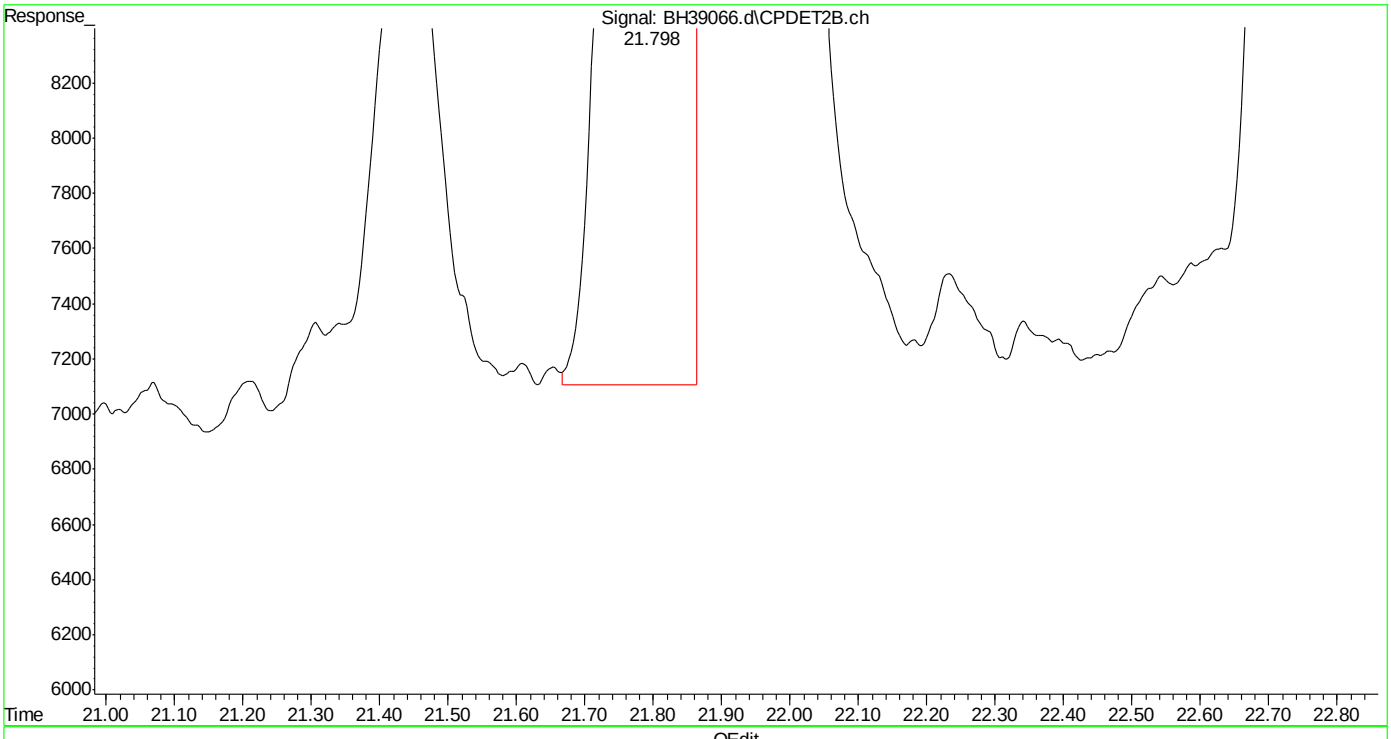
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.798min 2.086 ppb m
response 1125648

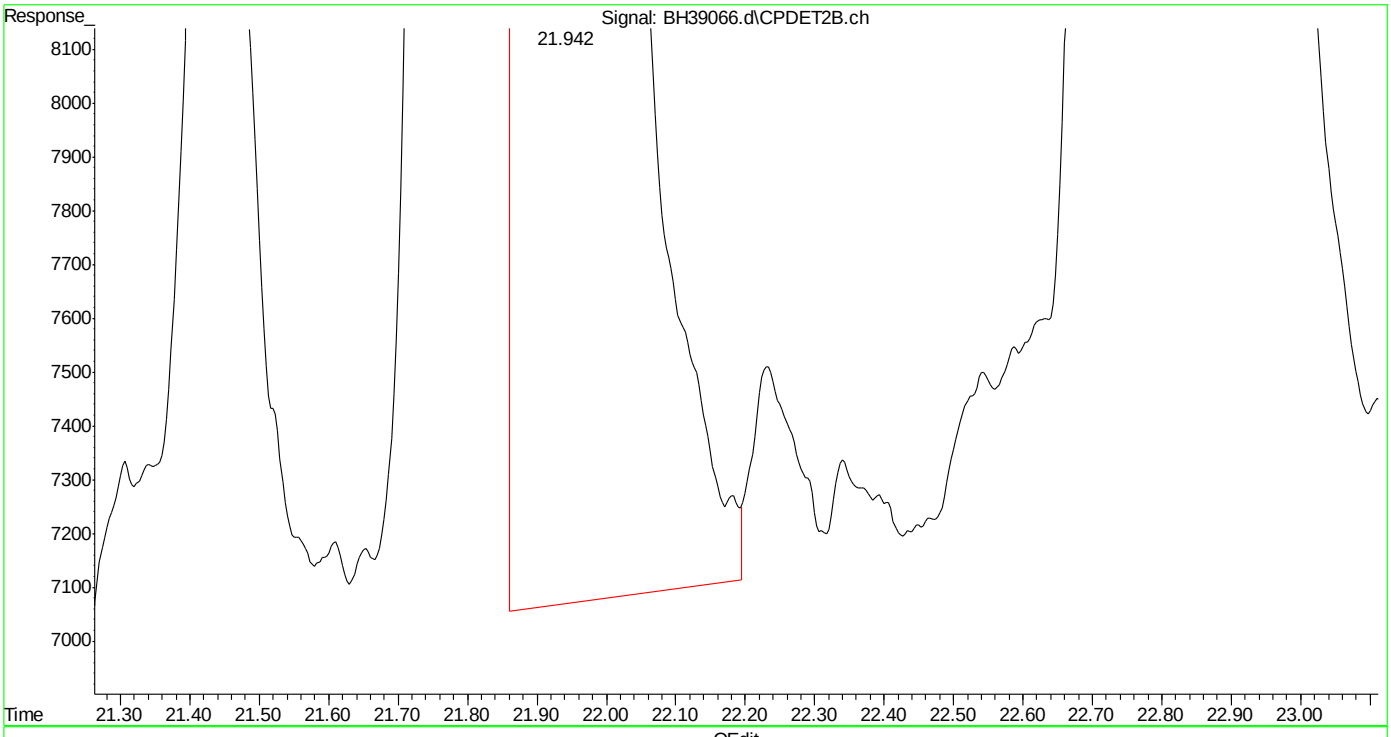
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 4.261 ppb
response 2842454

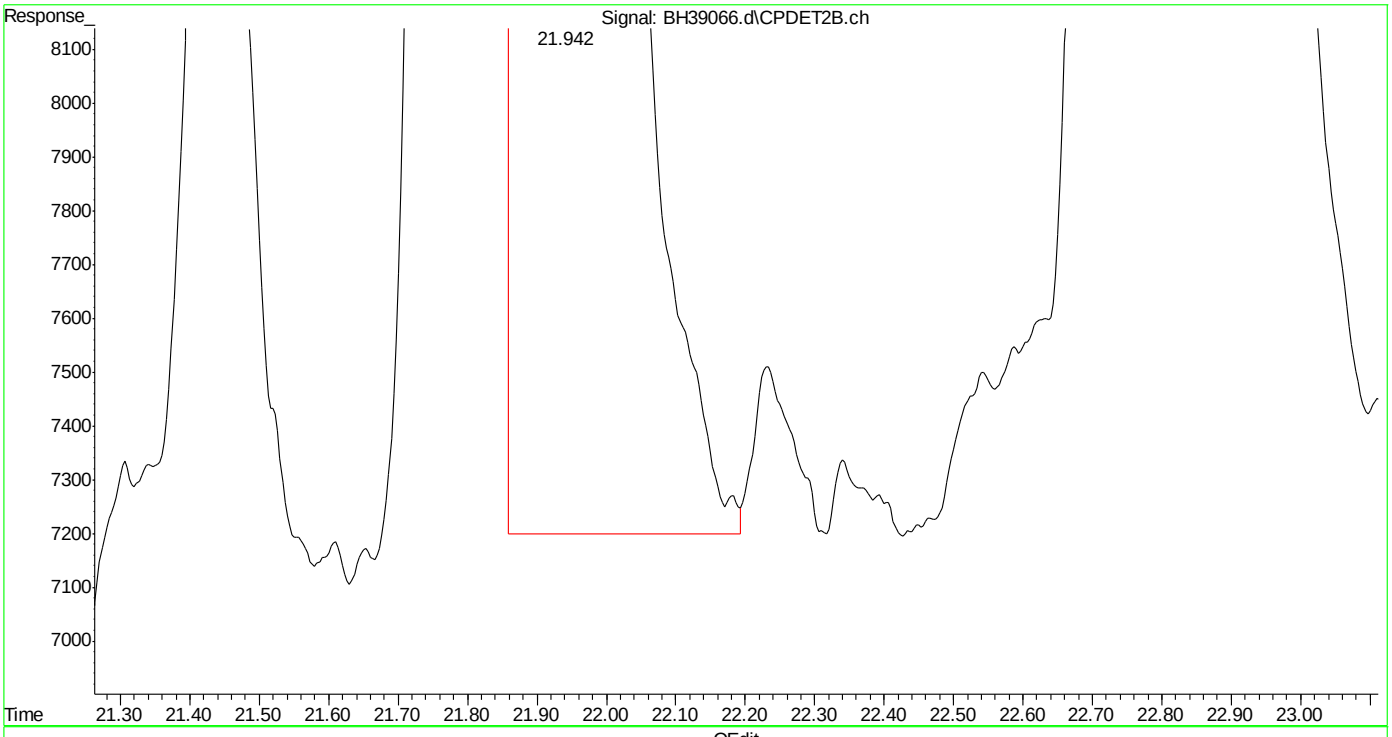
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.942min 4.231 ppb m
response 2822666

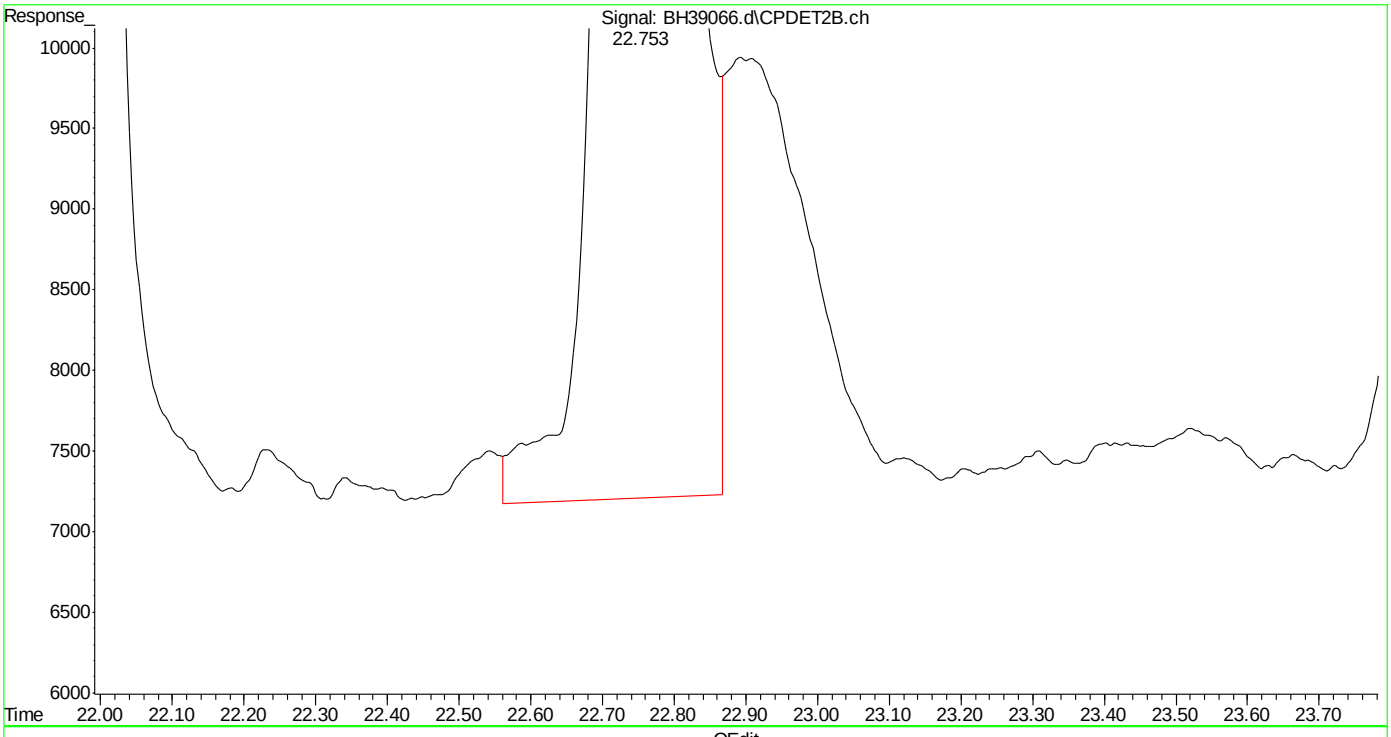
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 2.127 ppb
response 1238755

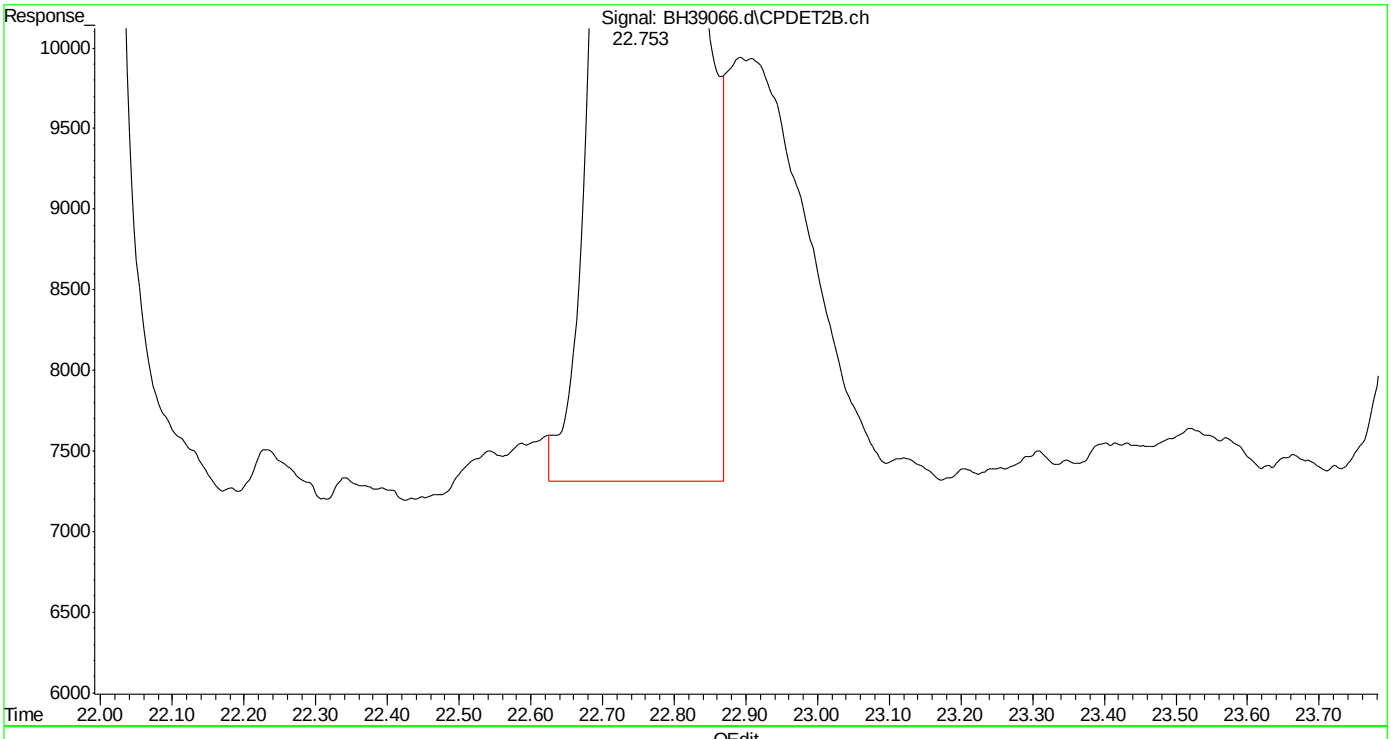
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:59 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 2.083 ppb m
response 1213238

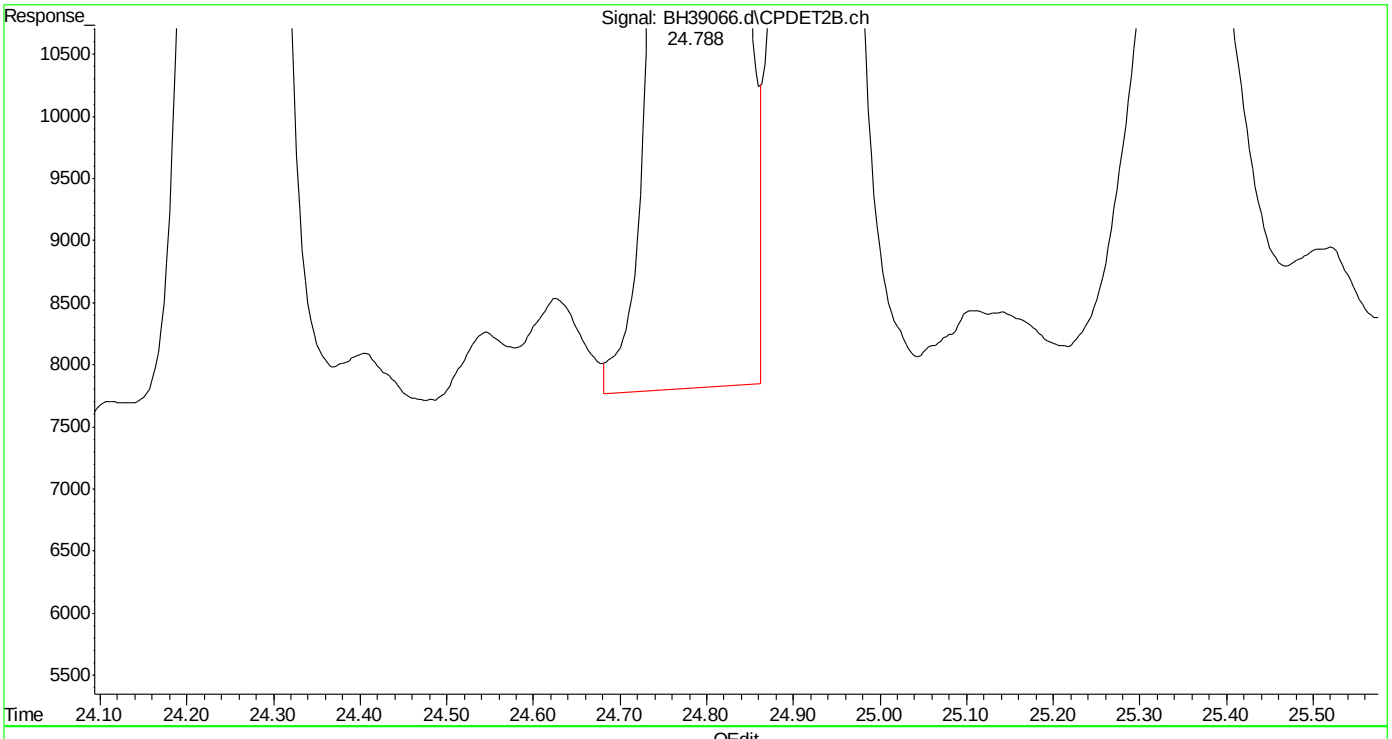
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:06 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 2.260 ppb
response 1440258

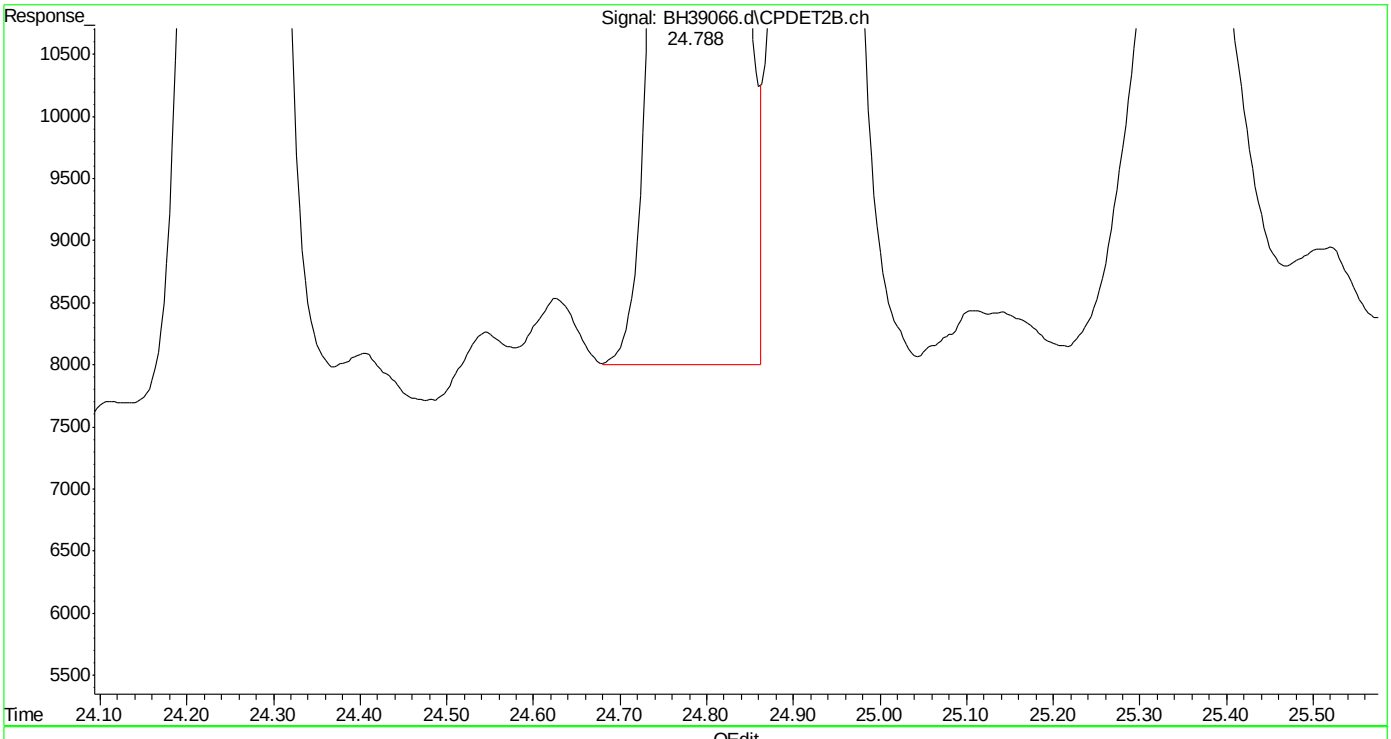
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:13 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 2.228 ppb m
response 1420042

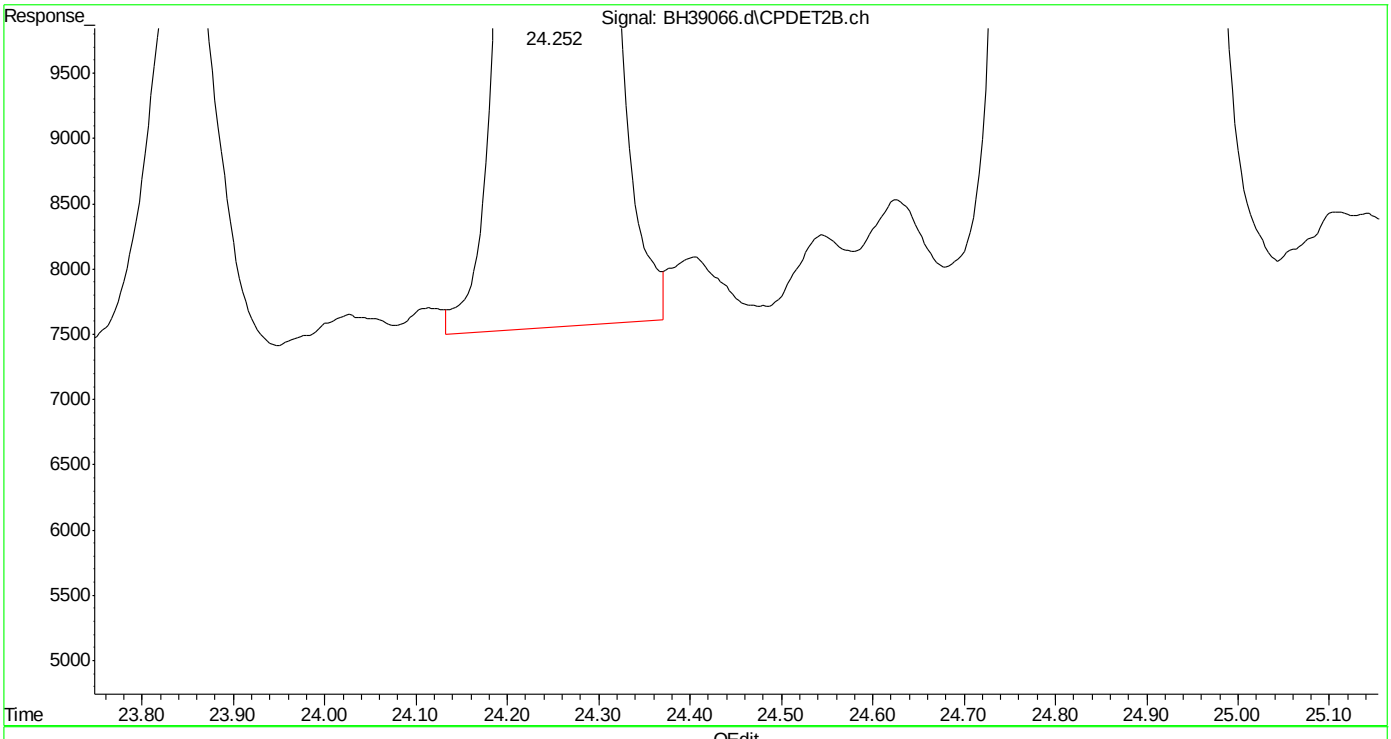
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:20 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.254min 2.198 ppb
response 1828743

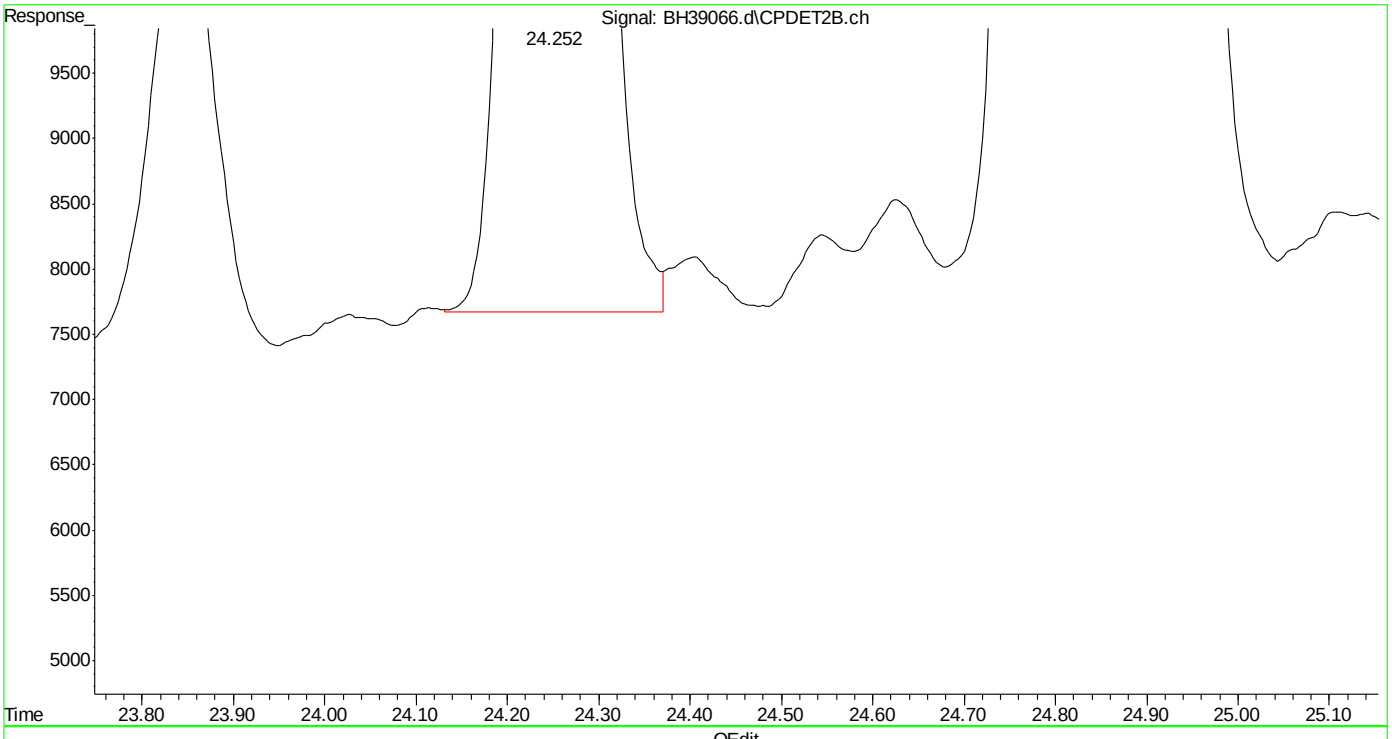
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:30 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.252min 2.177 ppb m
response 1811556

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:36 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(33) naphthalene #2 (t)
27.709min 2.368 ppb
response 1345591

(+) = Expected Retention Time

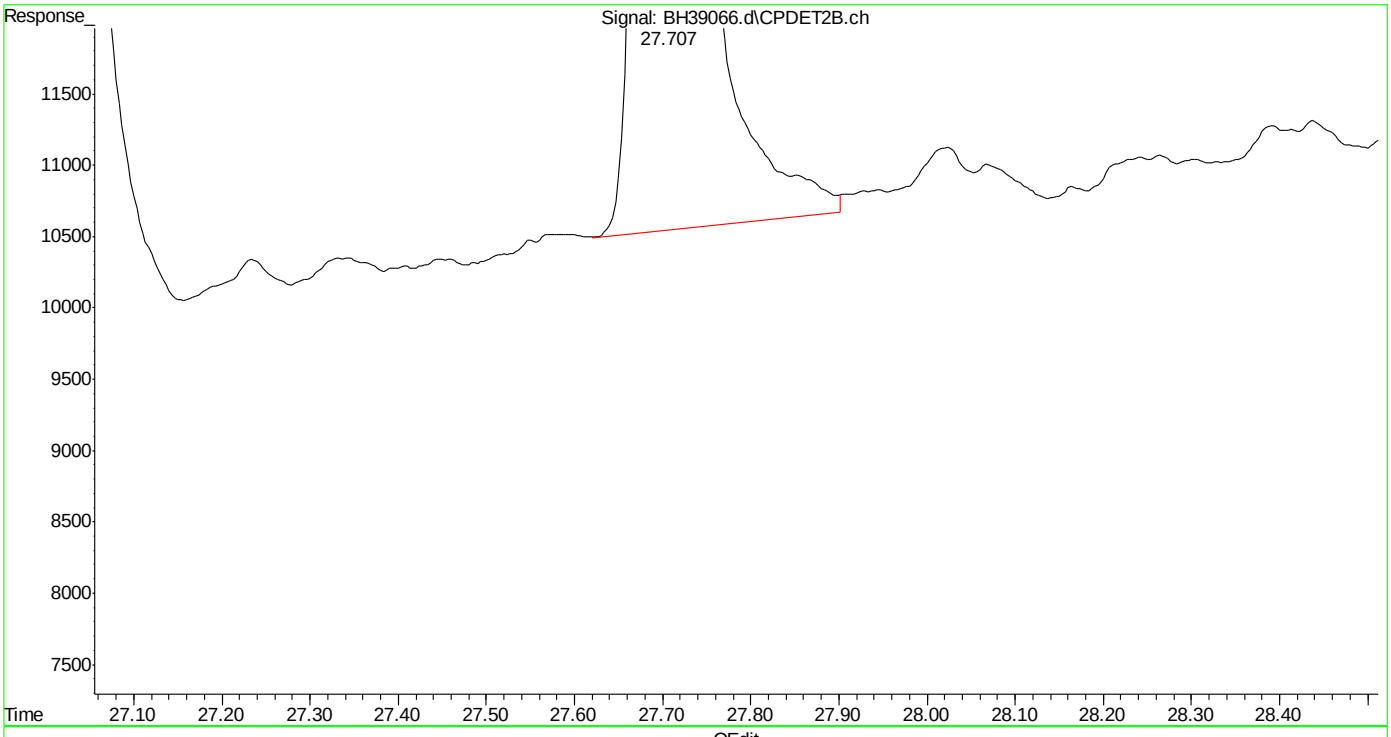
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 2.164 ppb m
response 1229604

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:50 2016 Page: 1

SGS ACCUTEST MC45754

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:20:18 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.672	924717	0.960	ppb	m
Spiked Amount 50.000		Recovery =	1.92%		
9) s 2,3,4-trifluorotoluene	19.787	934208	1.146	ppb	m
Spiked Amount 50.000		Recovery =	2.29%		
25) s fluorobenzene #2	14.673	405168	0.979	ppb	m
Spiked Amount 50.000		Recovery =	1.96%		
27) s 2,3,4-trifluorotoluen...	19.786	292316	1.154	ppb	m
Spiked Amount 50.000		Recovery =	2.31%		
Target Compounds					
1) h rt5.5-7	5.980	901428	0.965	ppb	m
2) h rt7/10	8.250	1048953	1.006	ppb	m
3) t mtbe	9.029	666326	1.060	ppb	m
4) h rt10/13	13.360	1531015	1.232	ppb	m
5) t benzene	14.168	1343339	1.108	ppb	m
8) t toluene	18.663	1334159	1.097	ppb	m
11) h rt20/25	21.460	1494365	1.315	ppb	m
13) t ethylbenzene	21.799	1273810	1.062	ppb	m
14) t m,p-xylene	21.941	2695605	2.142	ppb	m
15) t o-xylene	22.753	1402799	1.091	ppb	m
16) h decane	23.856	1587731	1.403	ppb	m
17) t 1,3,5-trimethylbenzene	24.252	1506800	1.110	ppb	m
18) t 1,2,4-trimethylbenzene	24.788	1617043	1.178	ppb	m
19) h butylcyclohexane	24.940	1587278	1.278	ppb	m
20) t naphthalene	27.707	982848	1.158	ppb	m
23) t mtbe #2	9.013	279735	0.968	ppb	m
24) t benzene #2	14.170	728697	1.094	ppb	m
26) t toluene #2	18.664	673731	1.086	ppb	m
28) t ethylbenzene #2	21.799	571223	1.047	ppb	m
29) t m,p-xylene #2	21.942	1414571	2.090	ppb	m
30) t o-xylene #2	22.755	626025	1.064	ppb	m
31) t 1,3,5-trimethylbenzen...	24.252	933232	1.097	ppb	m
32) t 1,2,4-trimethylbenzen...	24.788	747337	1.140	ppb	m
33) t naphthalene #2	27.707	650855	1.122	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	748012	1.141	ppb	m

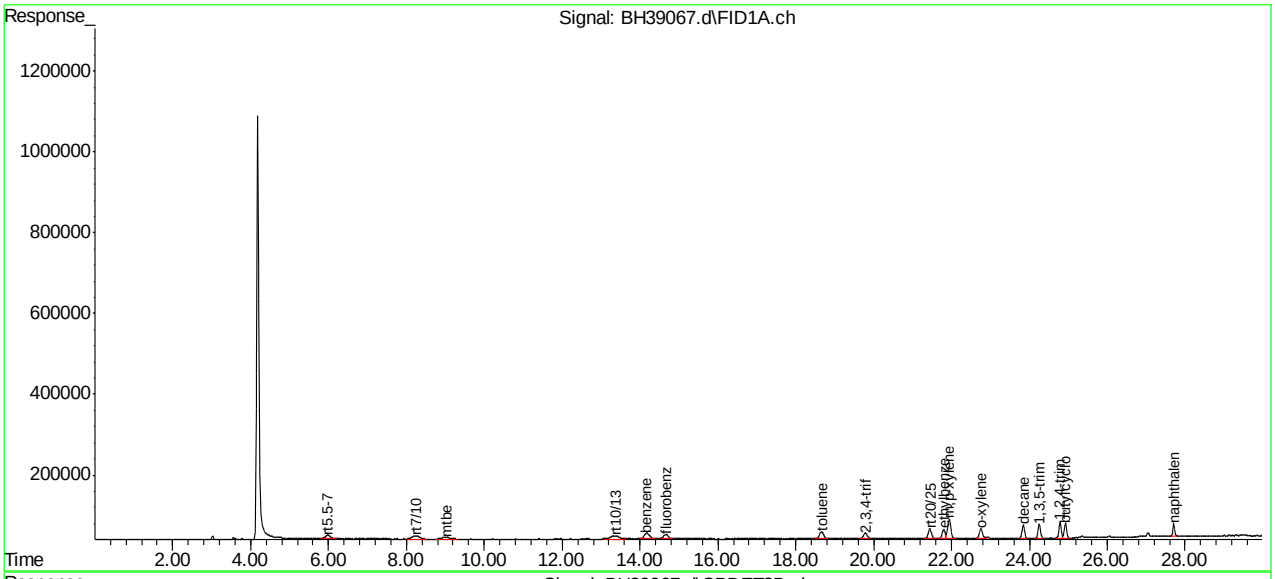
(f)=RT Delta > 1/2 Window (m)=manual int.

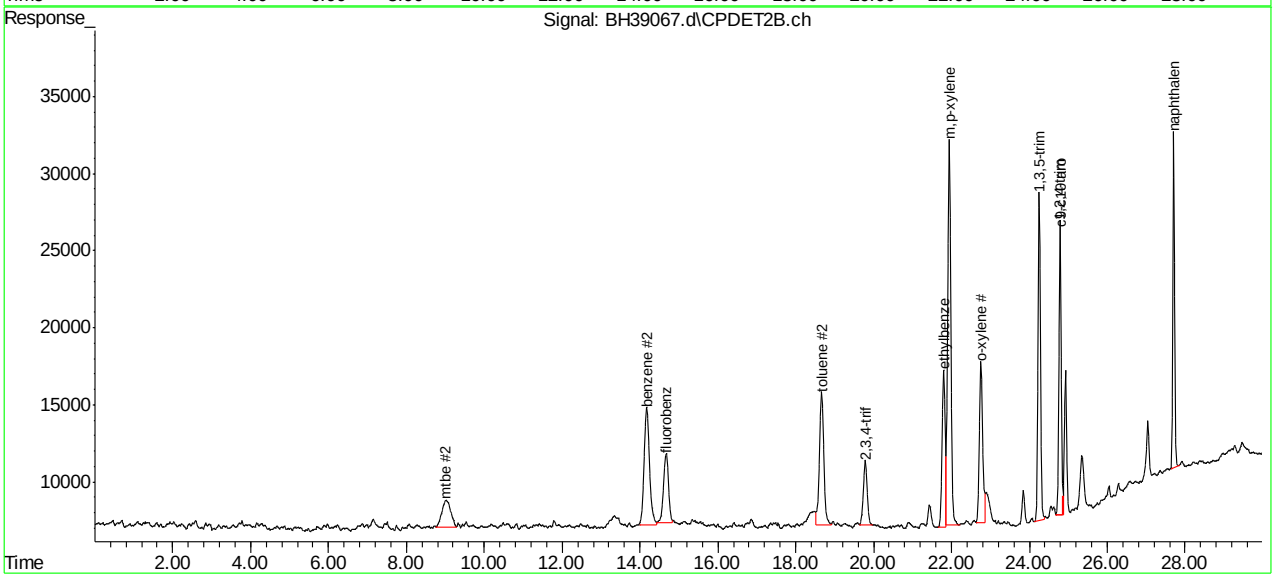
Quantitation Report (QT Reviewed)

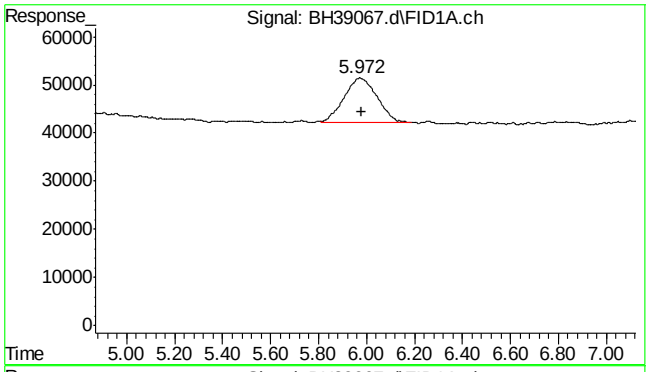
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:20:18 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

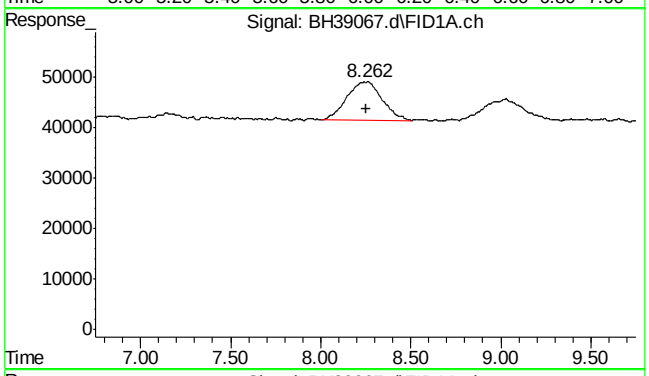






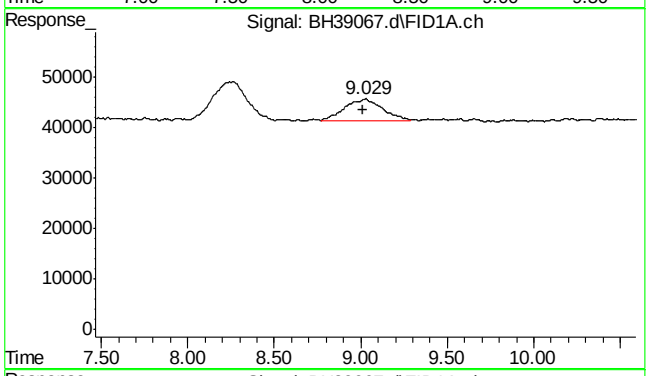
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 901428
Conc: 0.96 ppb m



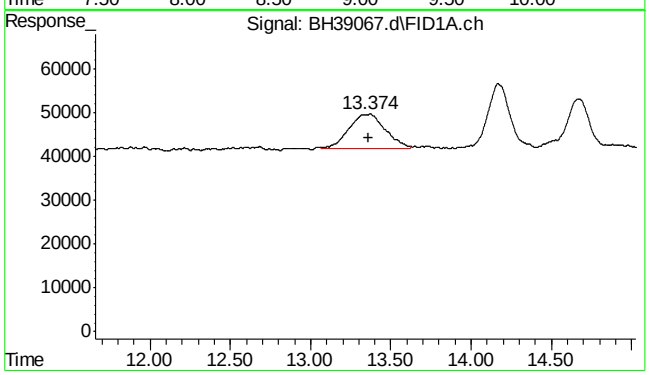
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 1048953
Conc: 1.01 ppb m



#3 mtbe

R.T.: 9.029 min
Delta R.T.: 0.016 min
Response: 666326
Conc: 1.06 ppb m



#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 1531015
Conc: 1.23 ppb m

7.5.9

7

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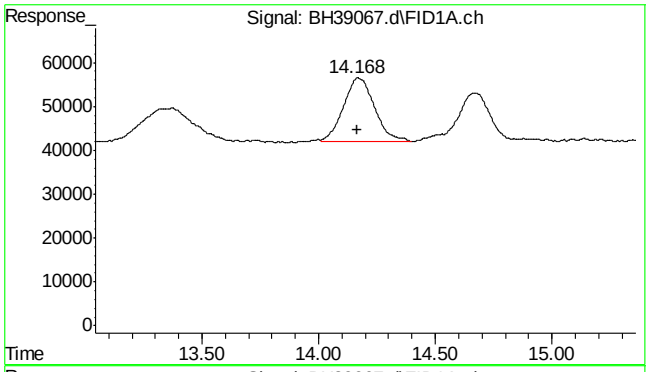
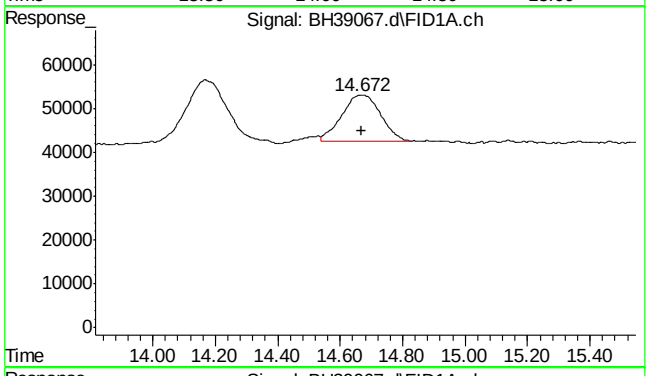


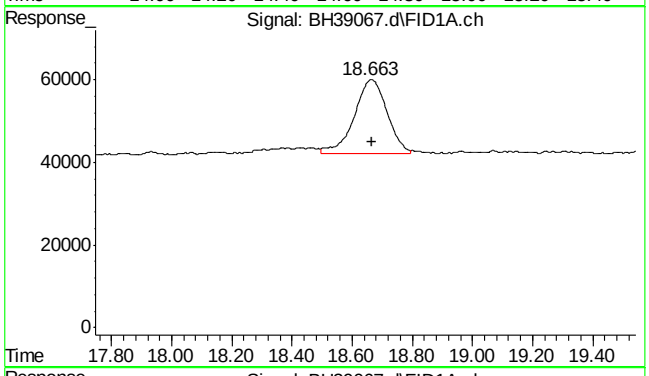
#5 benzene

R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 1343339
Conc: 1.11 ppb m



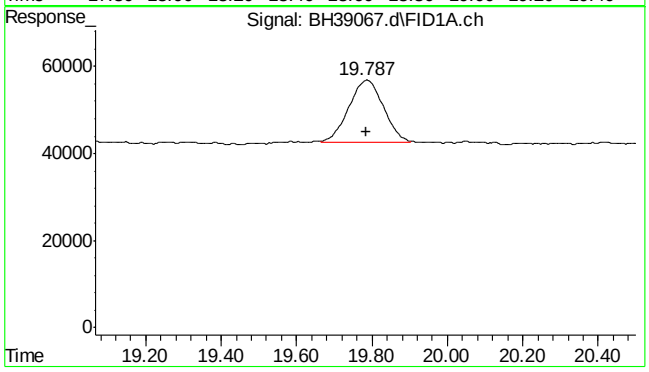
#6 fluorobenzene

R.T.: 14.672 min
Delta R.T.: 0.003 min
Response: 924717
Conc: 0.96 ppb m



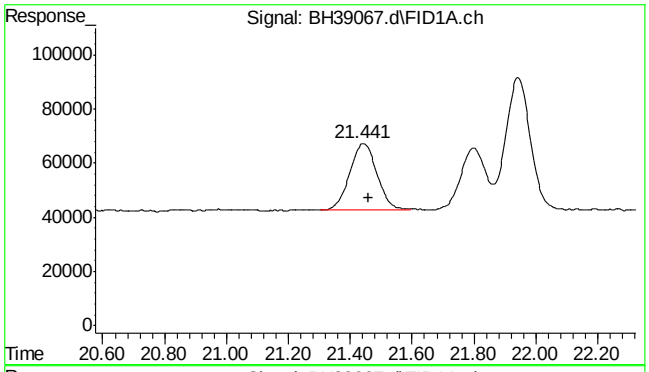
#8 toluene

R.T.: 18.663 min
Delta R.T.: -0.001 min
Response: 1334159
Conc: 1.10 ppb m



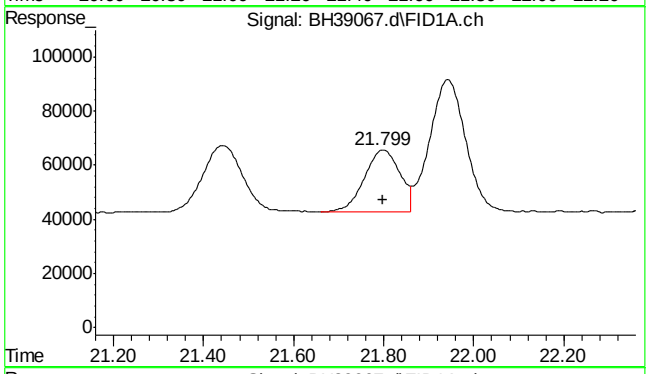
#9 2,3,4-trifluorotoluene

R.T.: 19.787 min
Delta R.T.: 0.003 min
Response: 934208
Conc: 1.15 ppb m



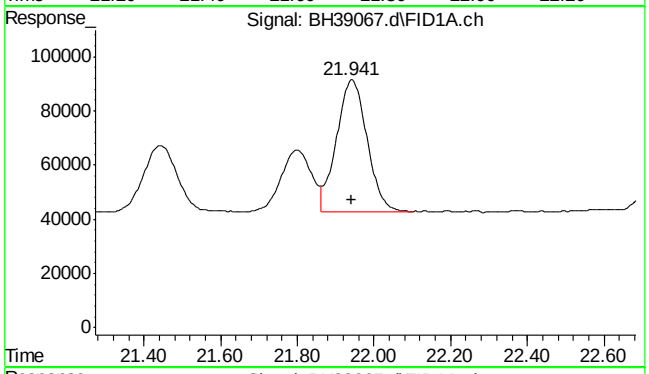
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 1494365
Conc: 1.32 ppb m



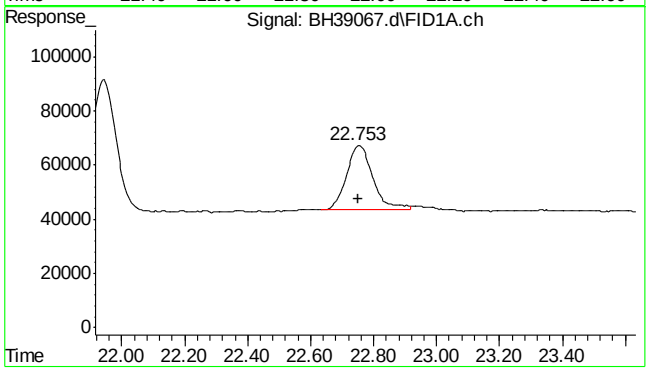
#13 ethylbenzene

R.T.: 21.799 min
Delta R.T.: 0.001 min
Response: 1273810
Conc: 1.06 ppb m



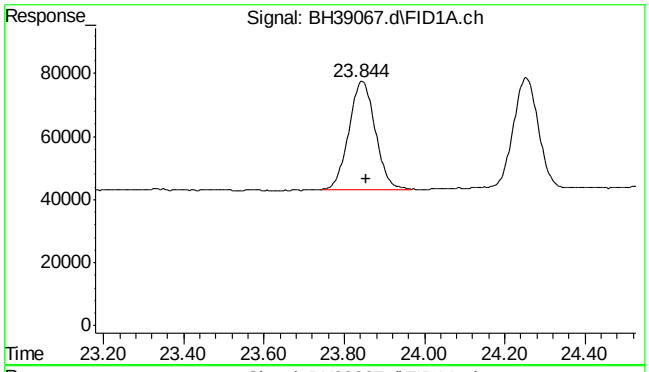
#14 m,p-xylene

R.T.: 21.941 min
Delta R.T.: 0.000 min
Response: 2695605
Conc: 2.14 ppb m



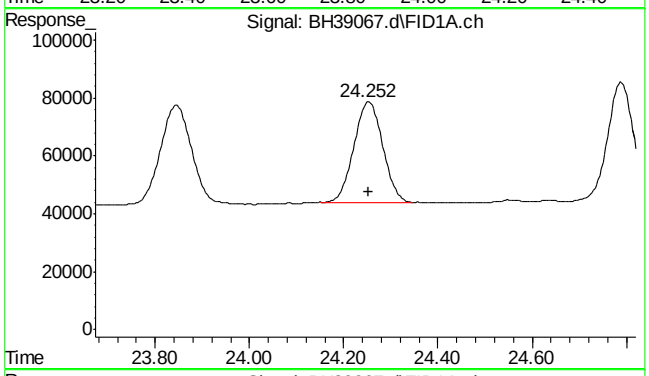
#15 o-xylene

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 1402799
Conc: 1.09 ppb m



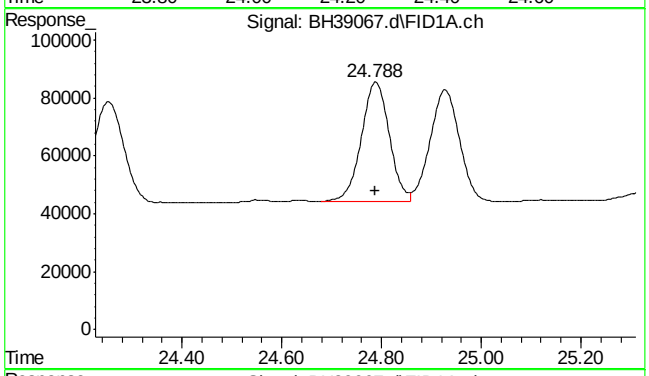
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 1587731
Conc: 1.40 ppb m



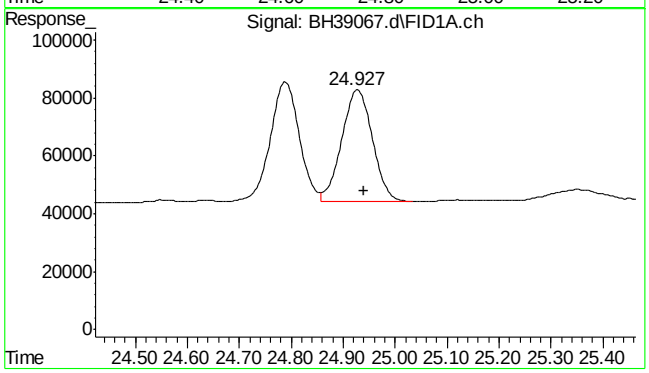
#17 1,3,5-trimethylbenzene

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 1506800
Conc: 1.11 ppb m



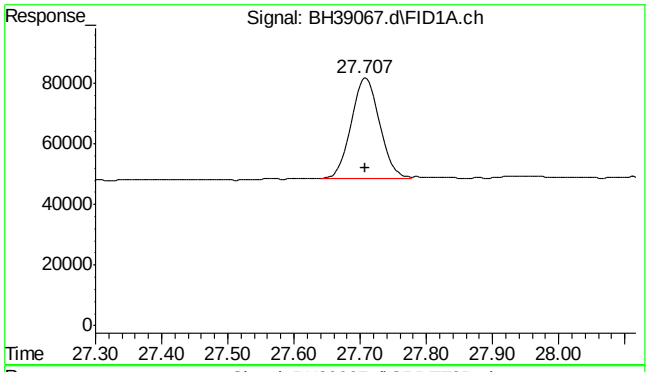
#18 1,2,4-trimethylbenzene

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 1617043
Conc: 1.18 ppb m



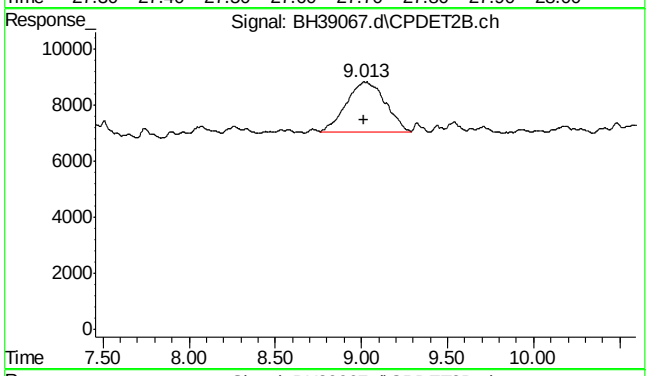
#19 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 1587278
Conc: 1.28 ppb m



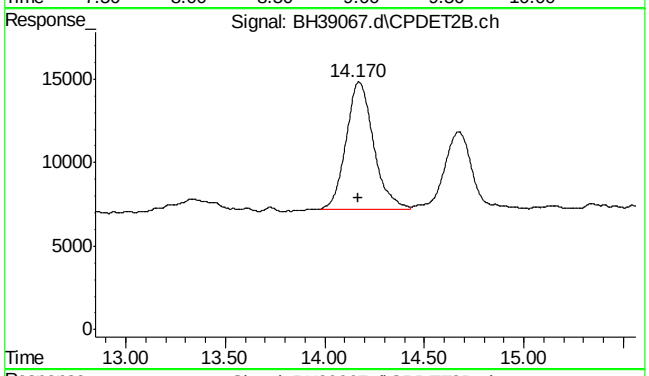
#20 naphthalene

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 982848
Conc: 1.16 ppb m



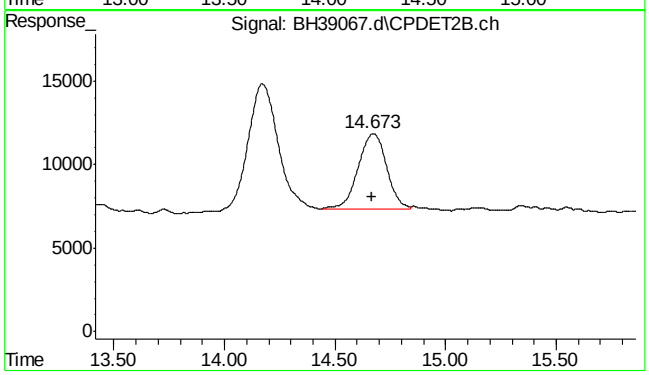
#23 mtbe #2

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 279735
Conc: 0.97 ppb m



#24 benzene #2

R.T.: 14.170 min
Delta R.T.: 0.004 min
Response: 728697
Conc: 1.09 ppb m



#25 fluorobenzene #2

R.T.: 14.673 min
Delta R.T.: 0.005 min
Response: 405168
Conc: 0.98 ppb m

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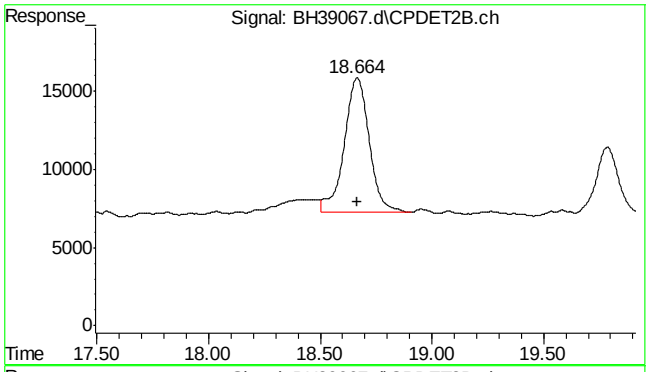
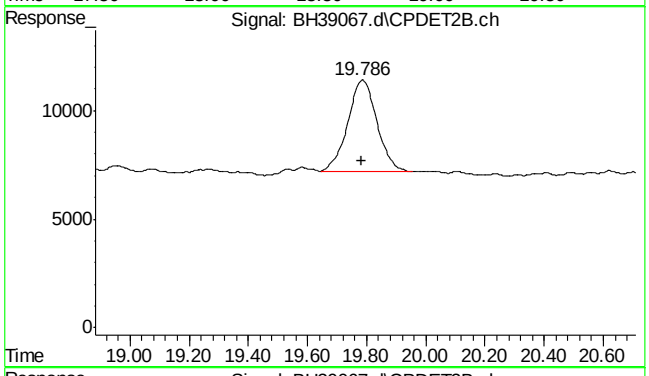


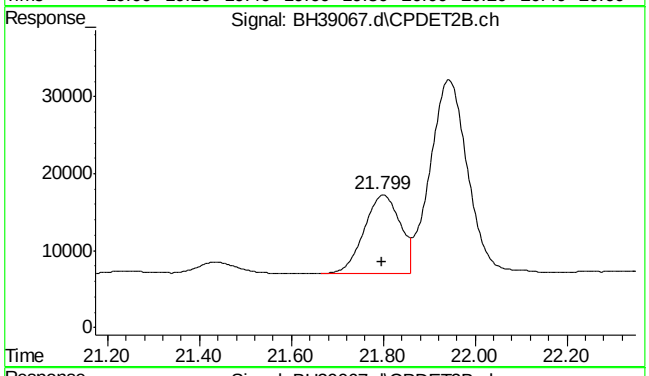
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 673731
Conc: 1.09 ppb m



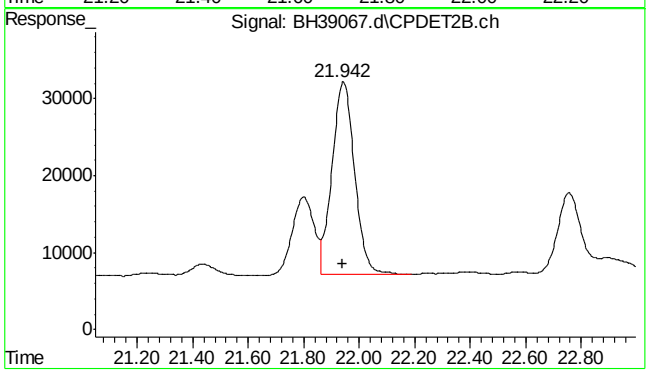
#27 2,3,4-trifluorotoluene #2

R.T.: 19.786 min
Delta R.T.: 0.002 min
Response: 292316
Conc: 1.15 ppb m



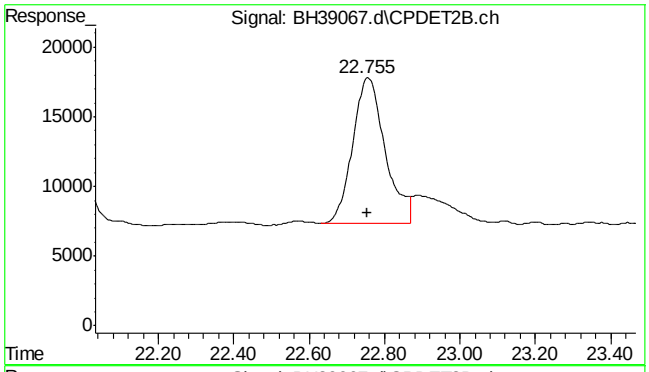
#28 ethylbenzene #2

R.T.: 21.799 min
Delta R.T.: 0.002 min
Response: 571223
Conc: 1.05 ppb m



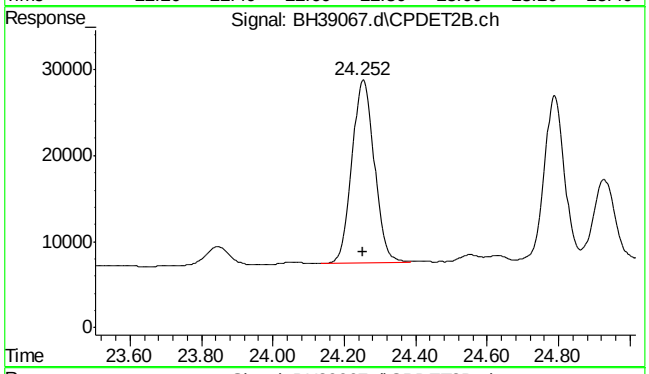
#29 m,p-xylene #2

R.T.: 21.942 min
Delta R.T.: 0.001 min
Response: 1414571
Conc: 2.09 ppb m



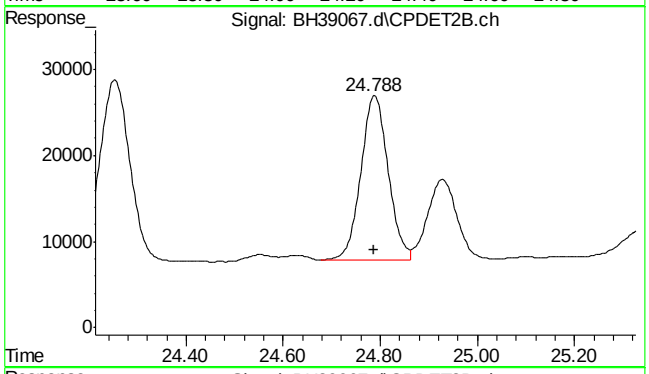
#30 o-xylene #2

R.T.: 22.755 min
Delta R.T.: 0.002 min
Response: 626025
Conc: 1.06 ppb m



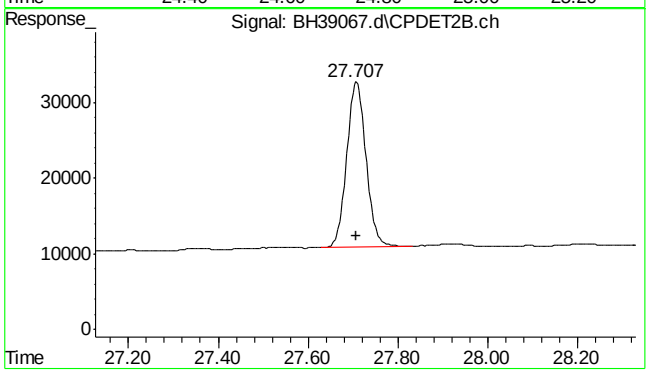
#31 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 933232
Conc: 1.10 ppb m



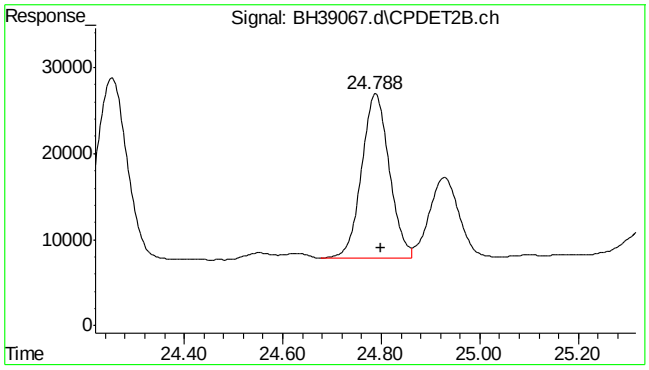
#32 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 747337
Conc: 1.14 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 650855
Conc: 1.12 ppb m



#34 c9-c10 arom as 1,2,4-tmb

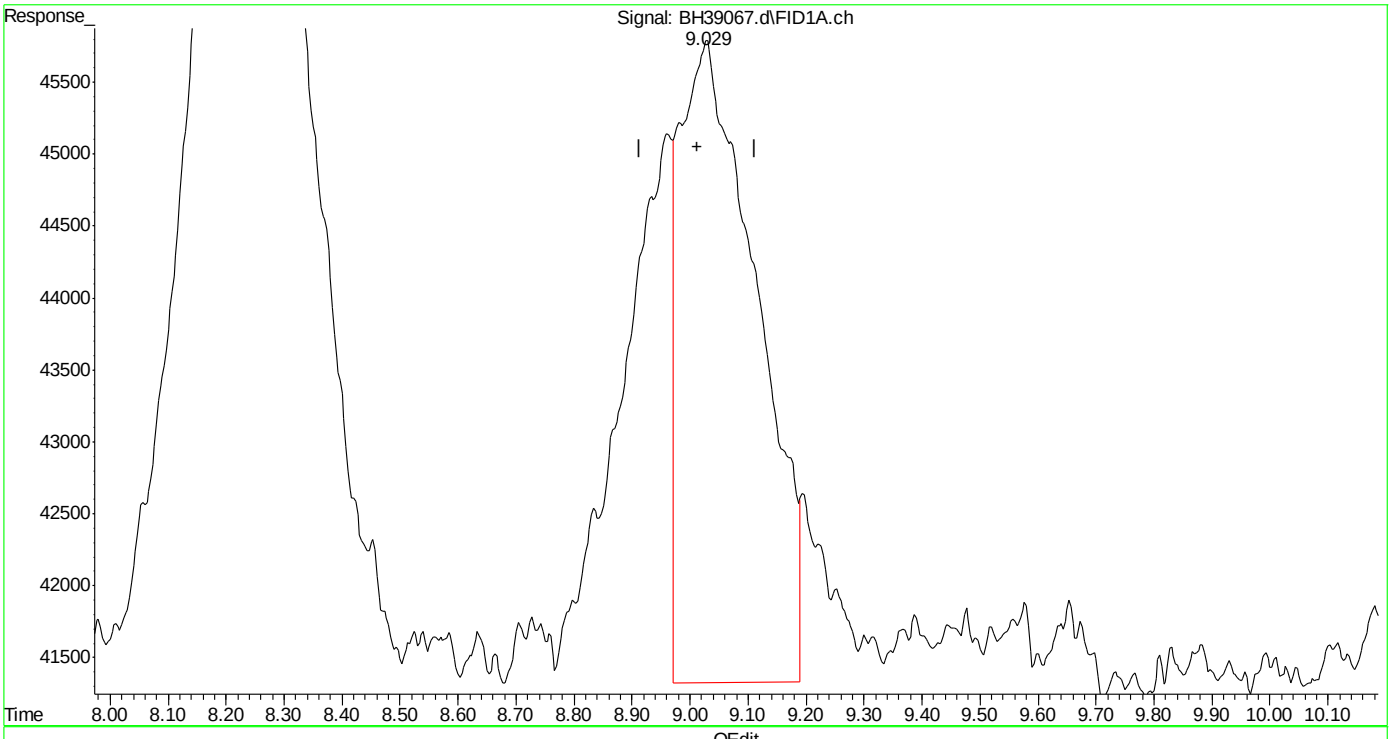
R.T.:	24.800 min
Delta R.T.:	0.000 min
Response:	748012
Conc:	1.14 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.030min 0.659 ppb
response 414186

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:13:14 2016 Page: 1

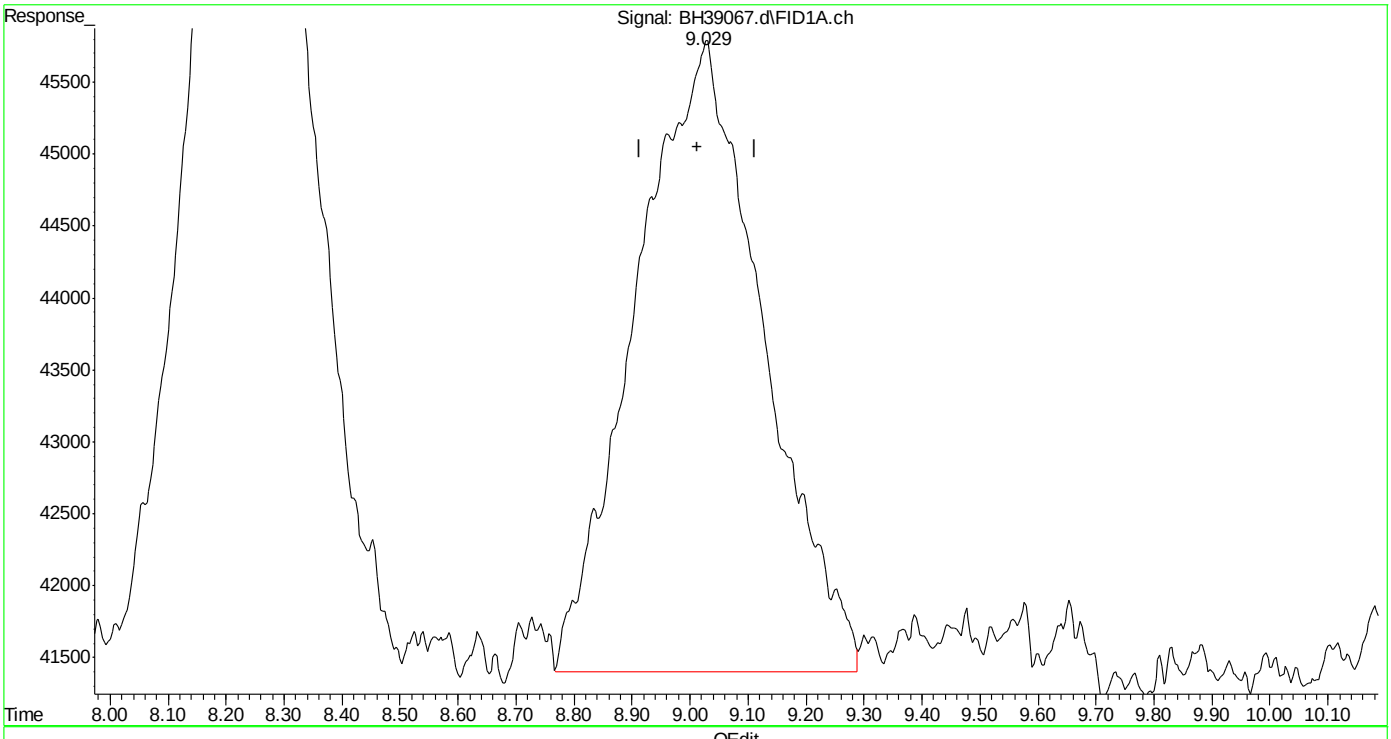
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.029min 1.060 ppb m
response 666326

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:13:25 2016

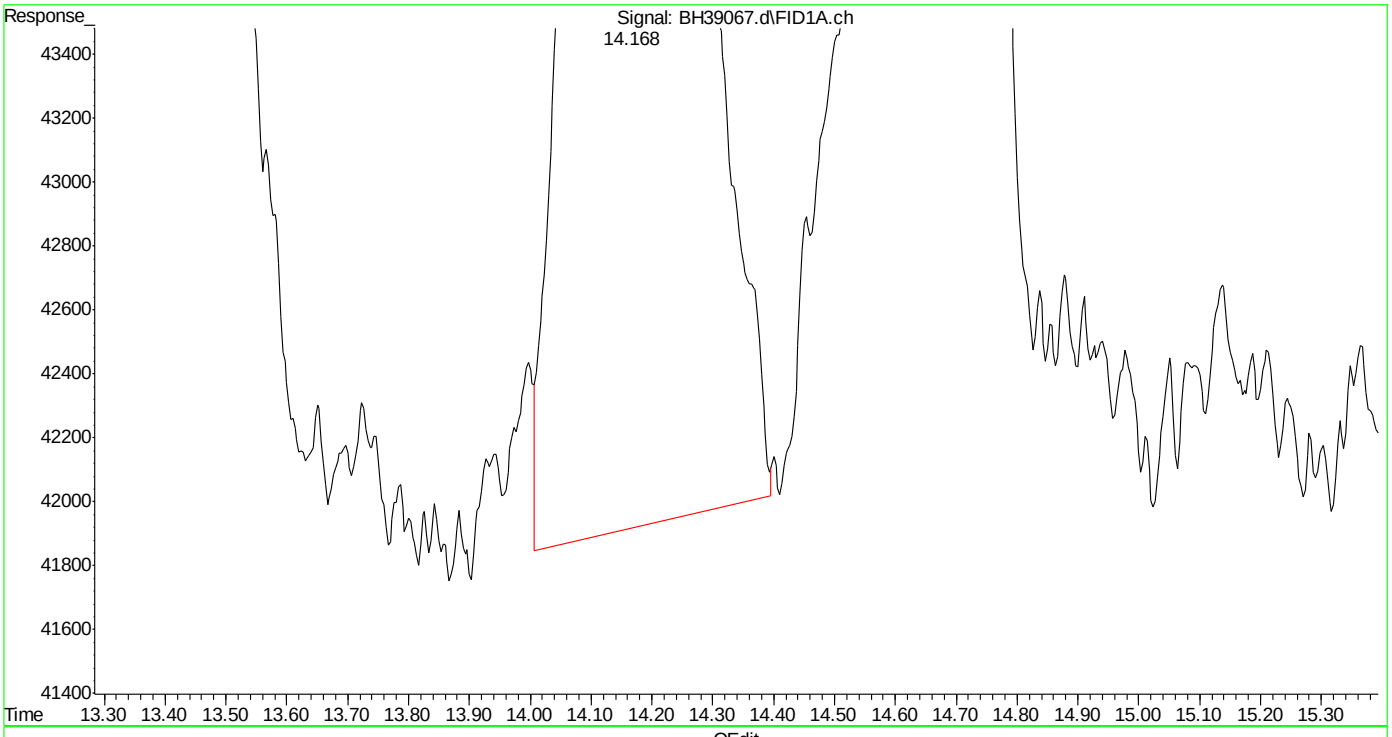
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.169min 1.125 ppb
response 1362981

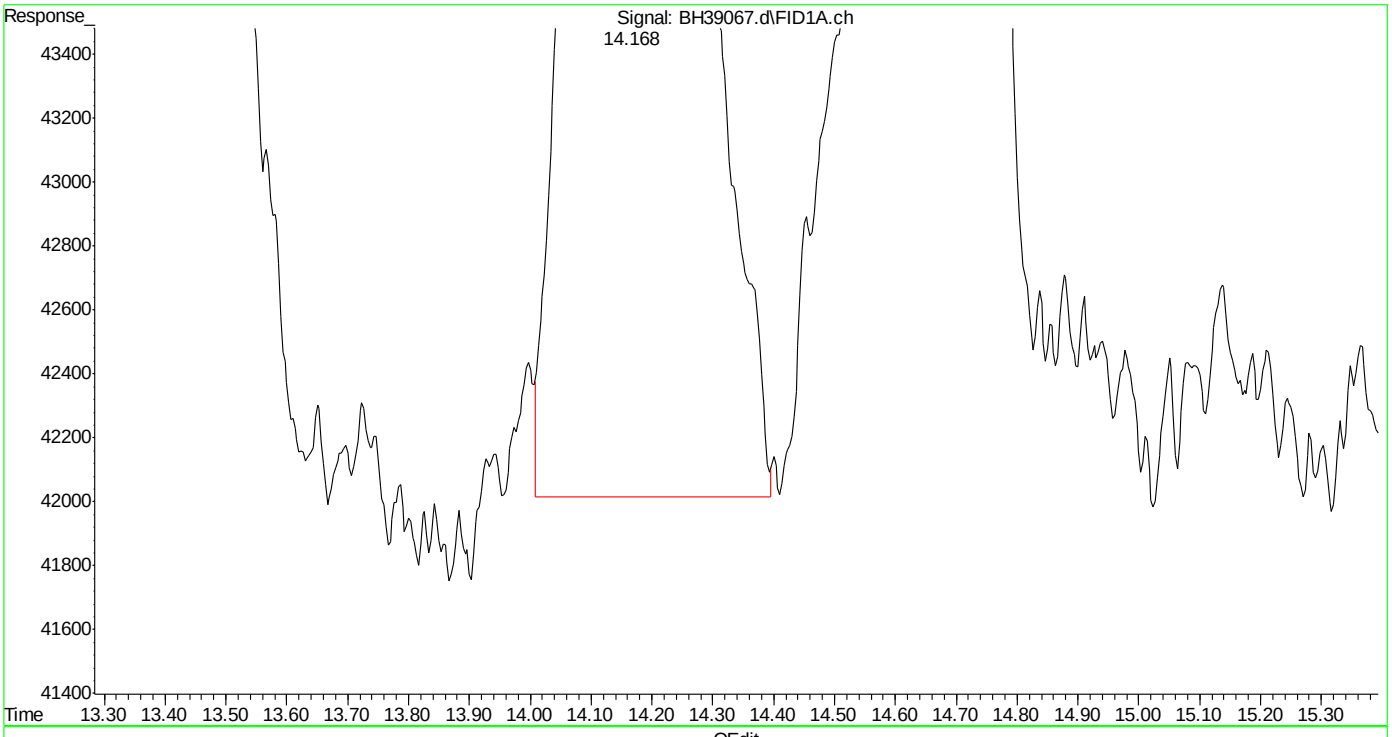
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.168min 1.108 ppb m
response 1343339

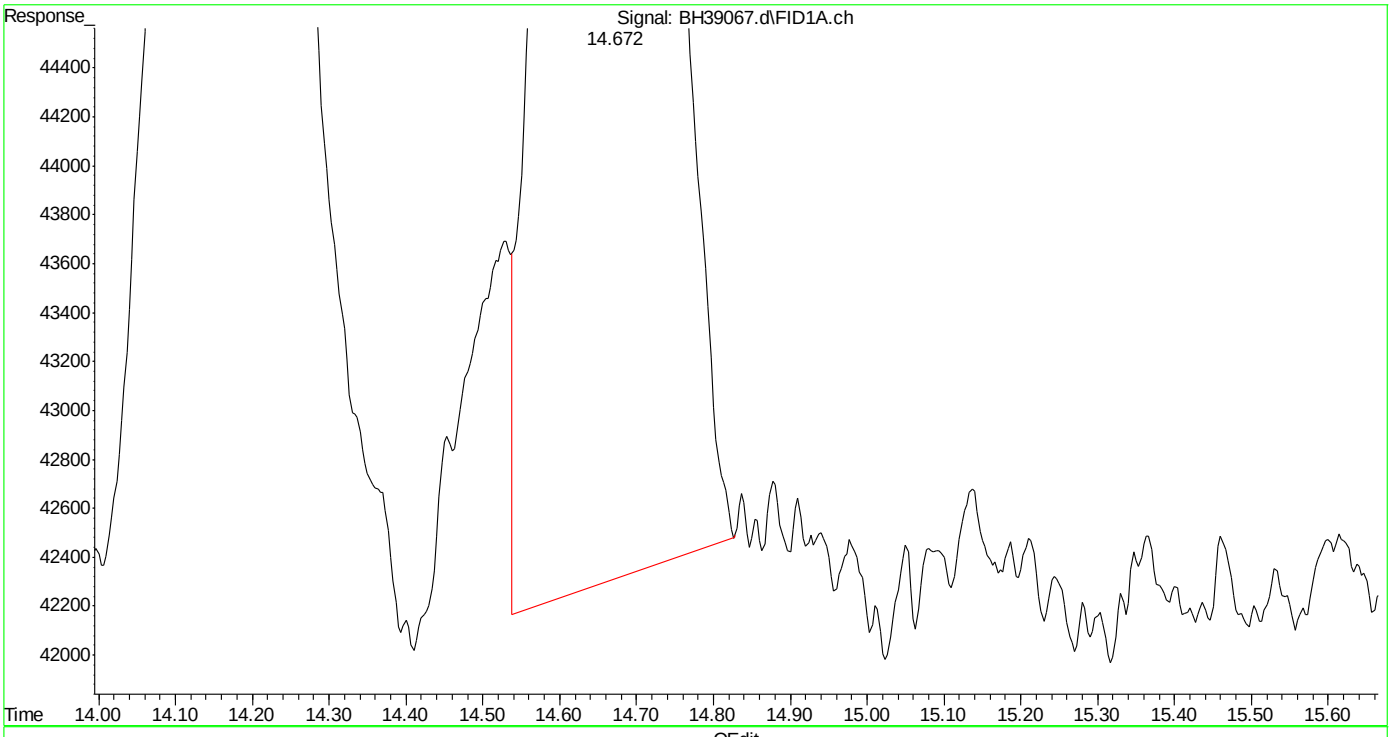
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.673min 0.982 ppb
response 945765

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:22 2016

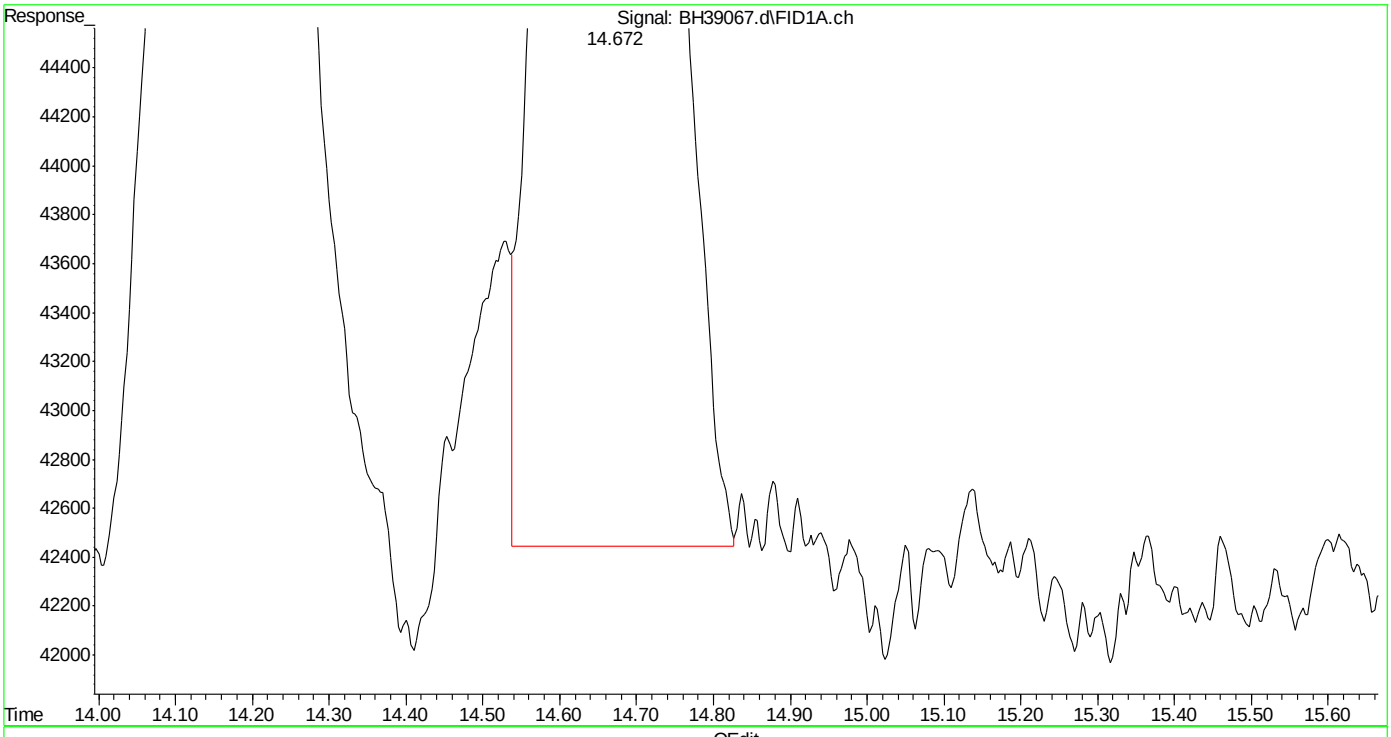
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.672min 0.960 ppb m
response 924717

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:29 2016 Page: 1

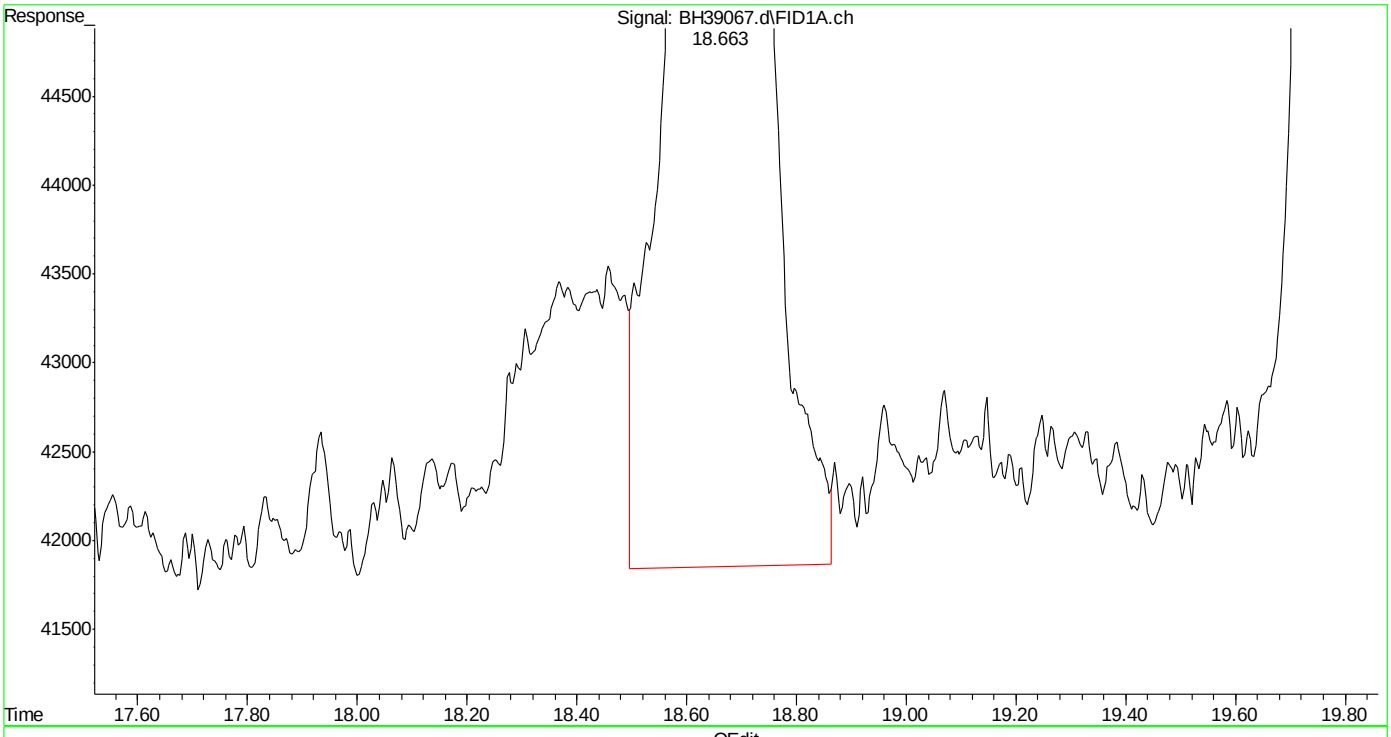
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.664min 1.183 ppb
response 1439351

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:36 2016

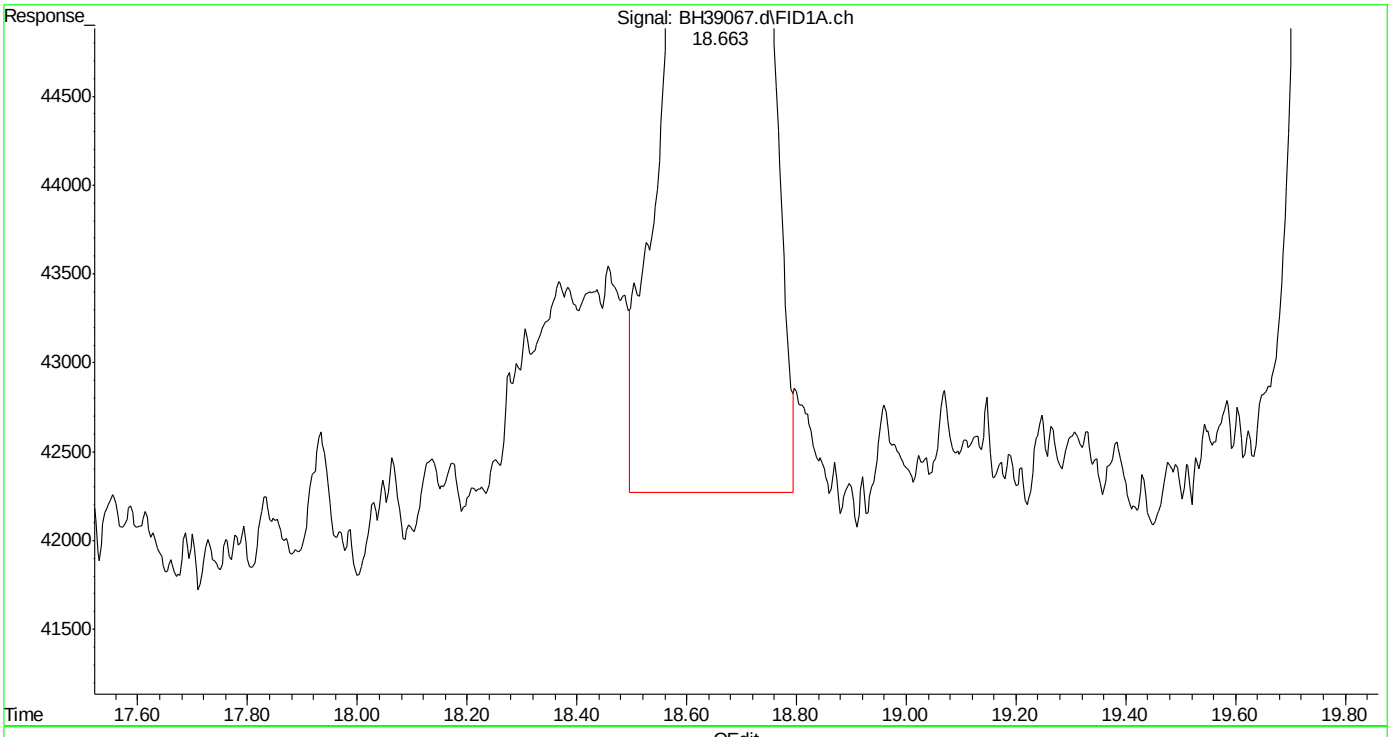
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.663min 1.097 ppb m
response 1334159

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:51 2016

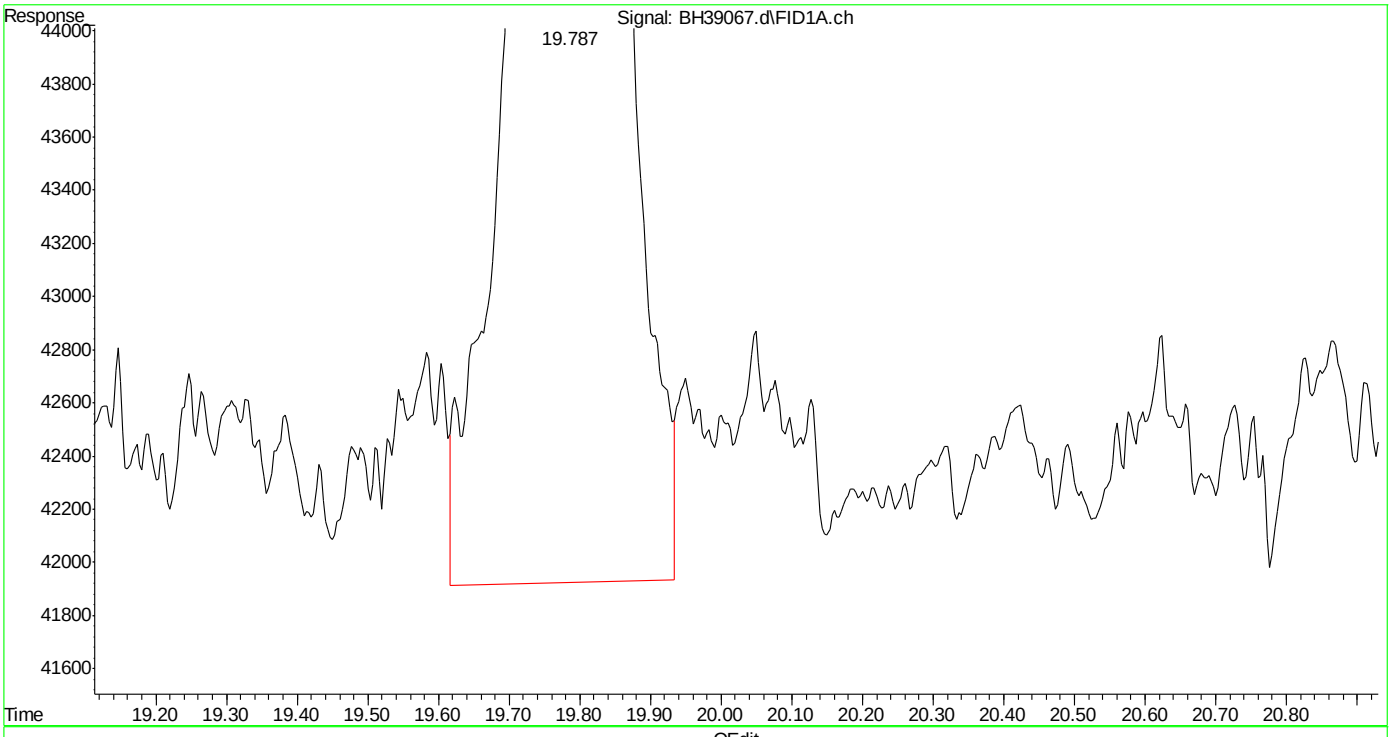
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.788min 1.283 ppb
response 1046605

(+) = Expected Retention Time

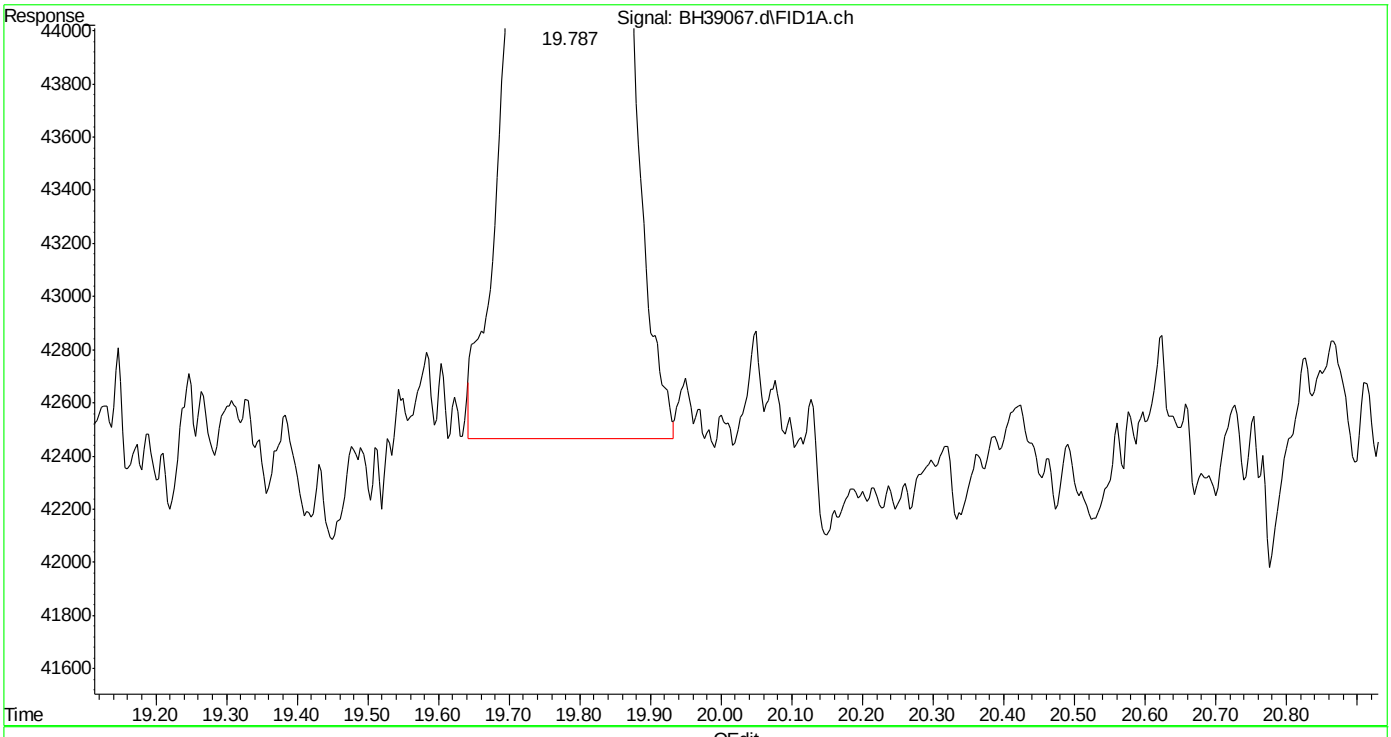
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.787min 1.156 ppb m
response 942696

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:15:07 2016

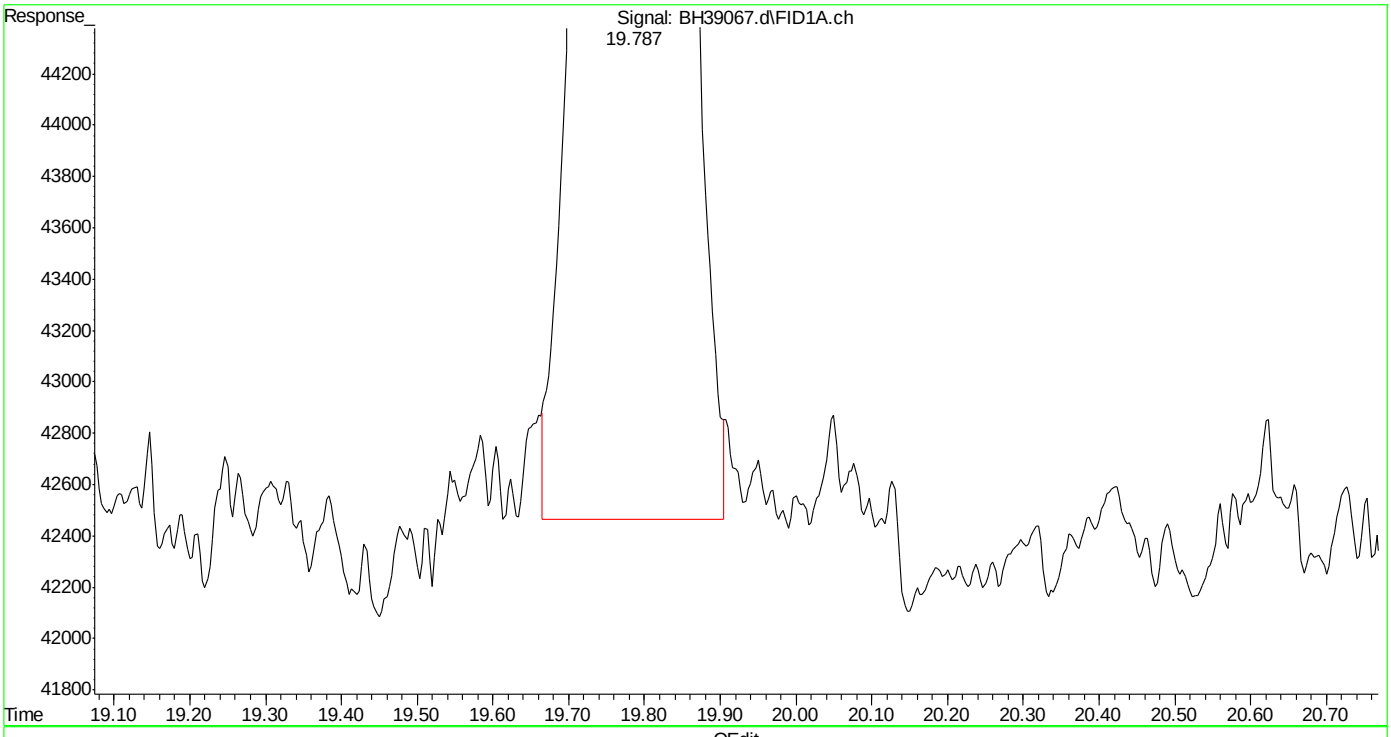
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.787min 1.146 ppb m
response 934208

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:15:36 2016

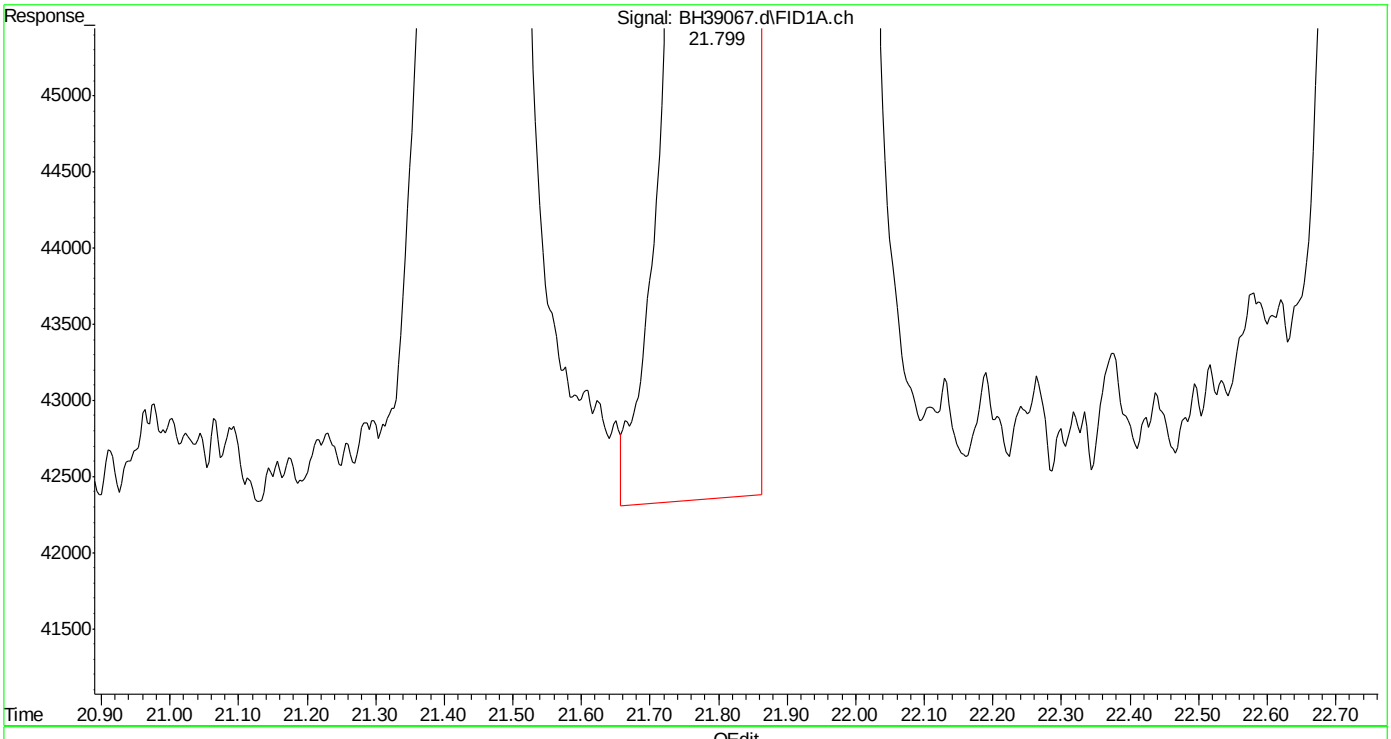
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.800min 1.096 ppb
response 1314913

(+) = Expected Retention Time

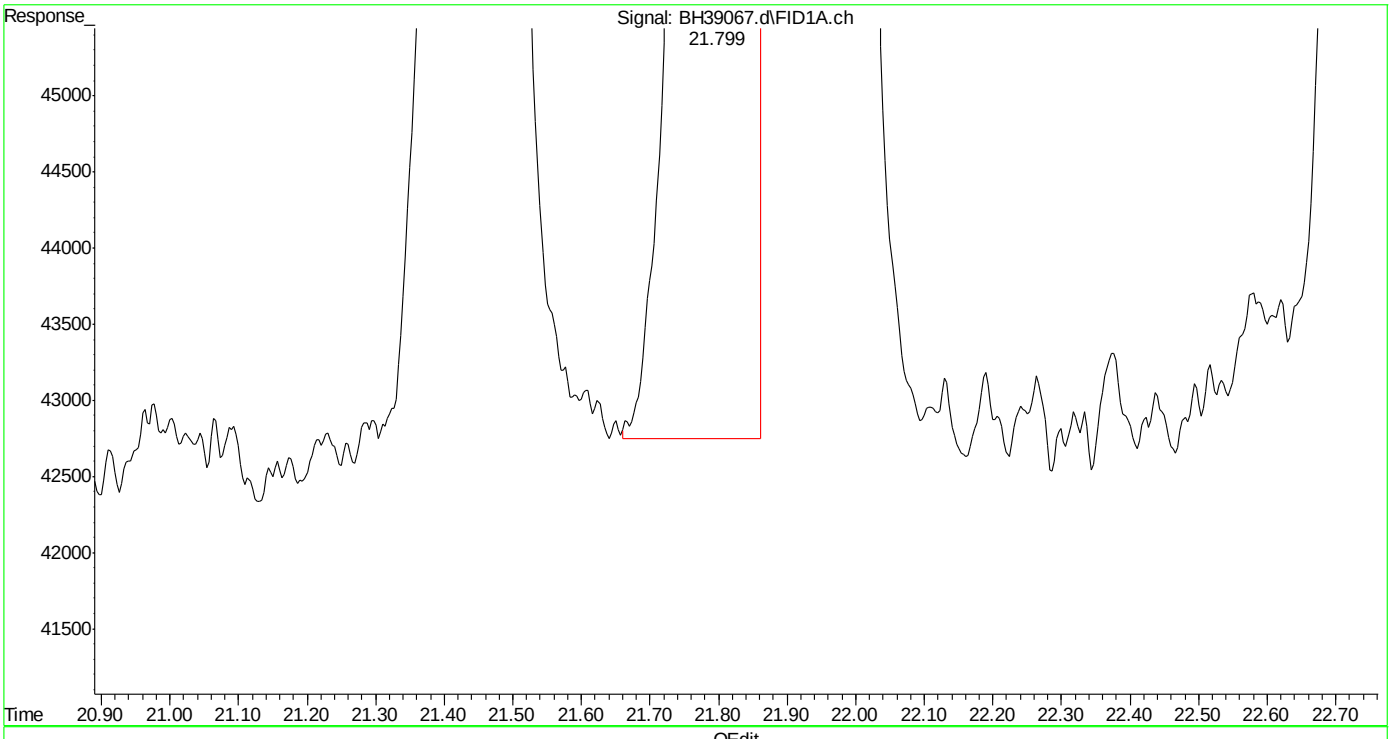
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 1.062 ppb m
response 1273810

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:19 2016

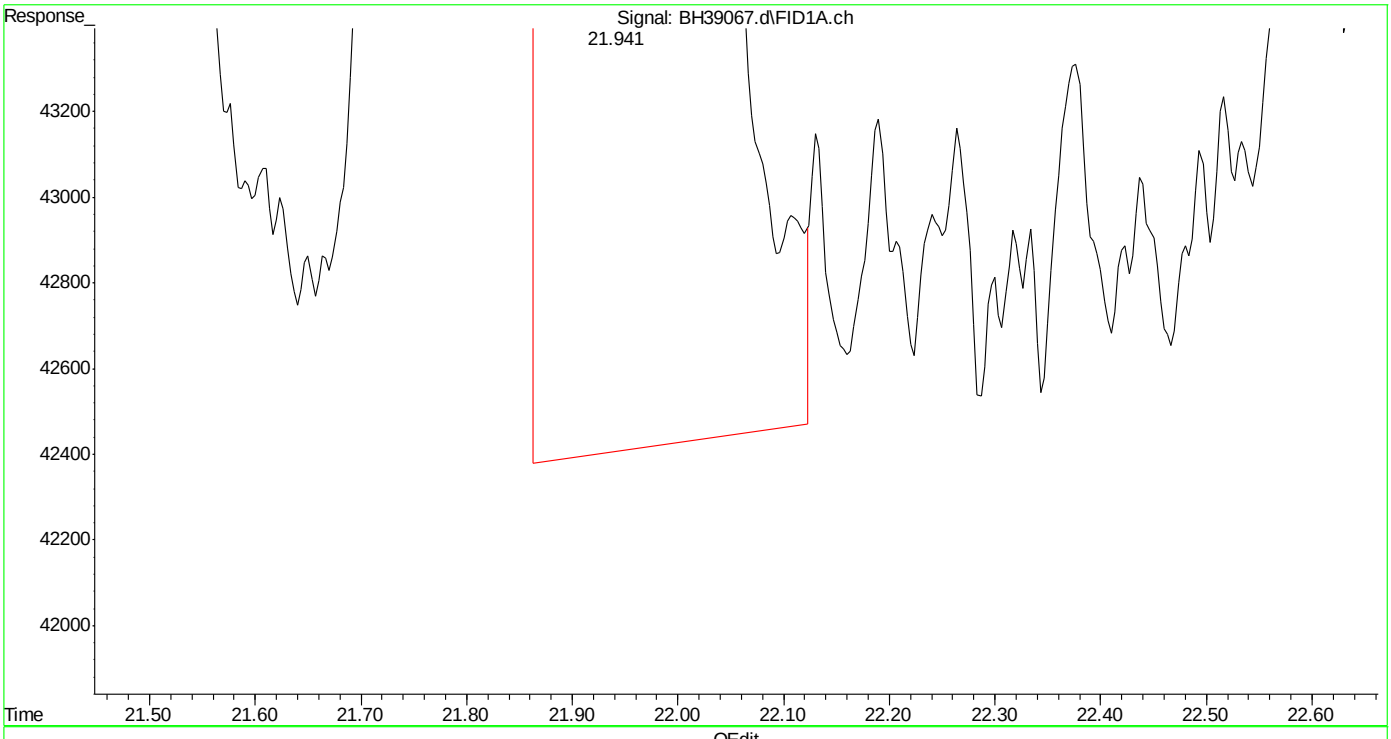
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 2.197 ppb
response 2765222

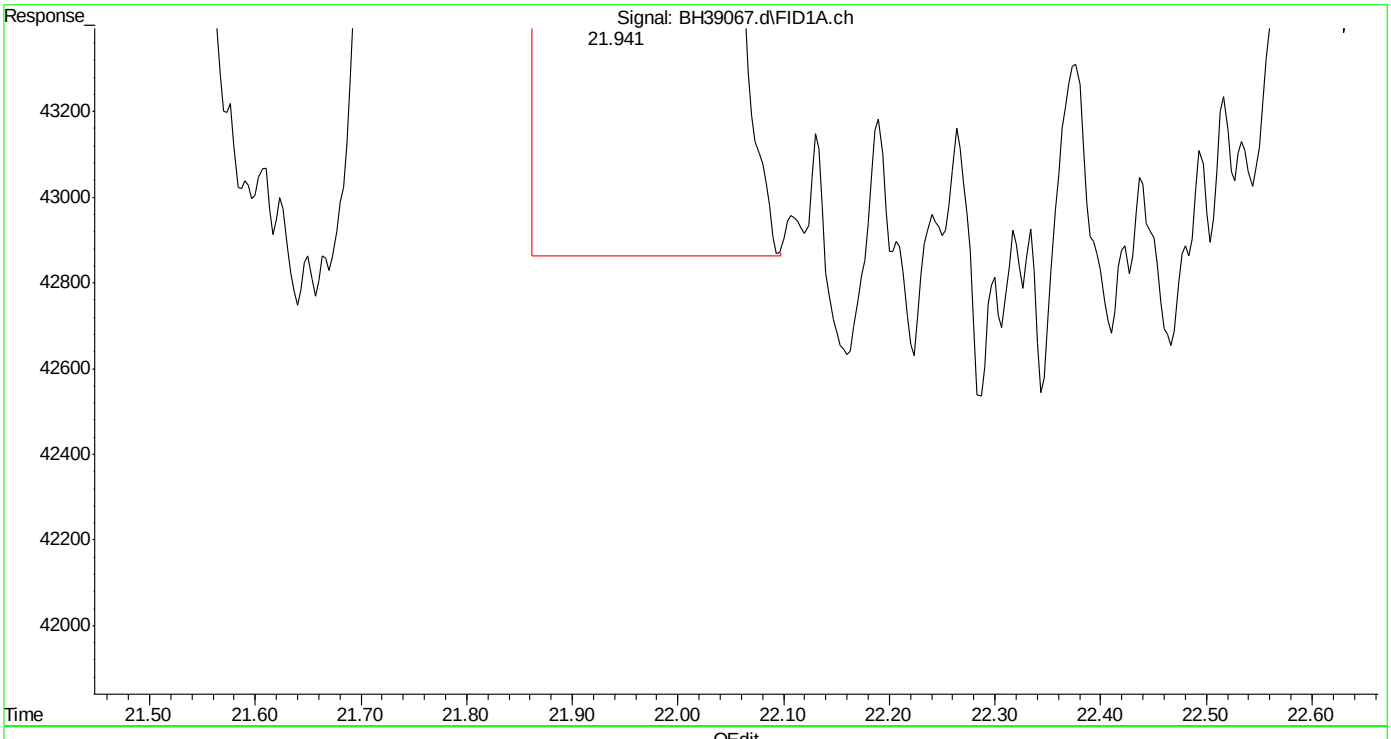
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:24 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.941min 2.142 ppb m
response 2695605

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:36 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.755min 1.274 ppb
response 1638379

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:43 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.753min 1.091 ppb m
response 1402799

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:54 2016

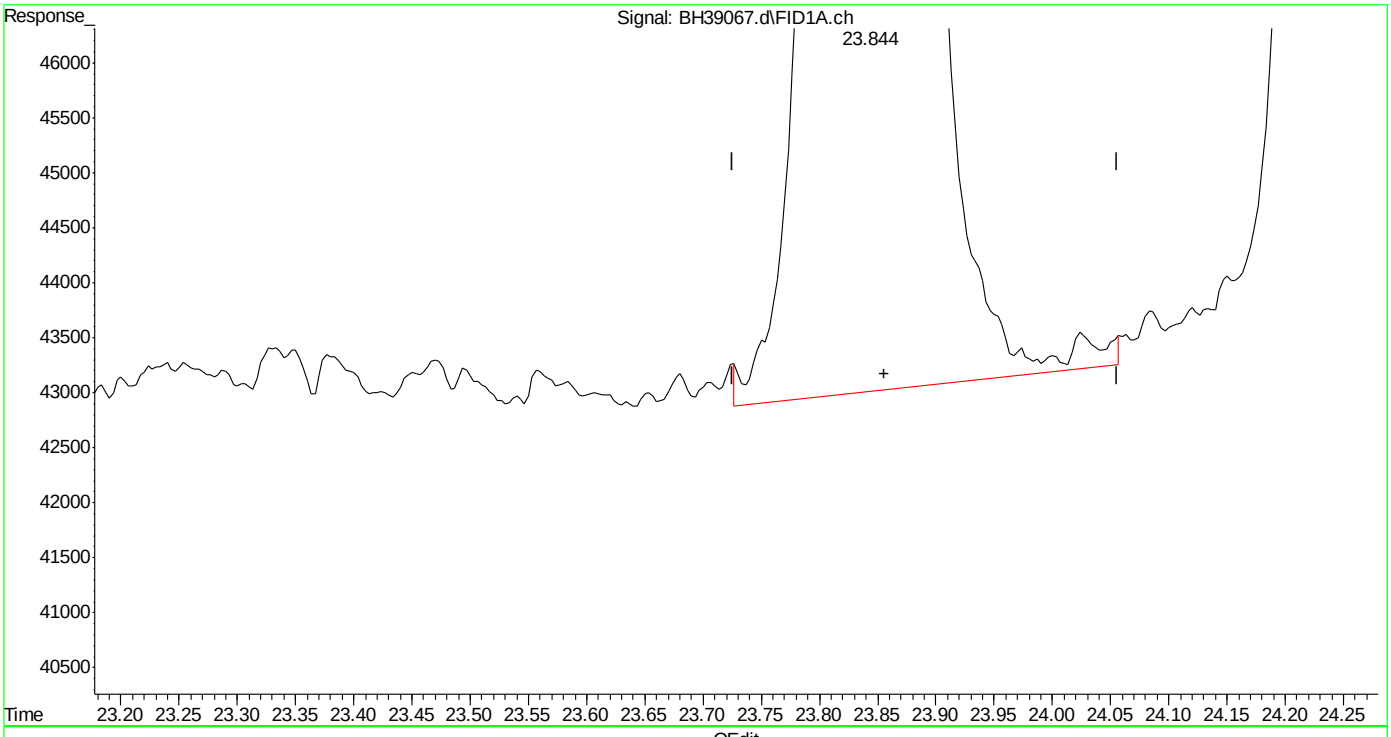
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 1.420 ppb
response 1606277

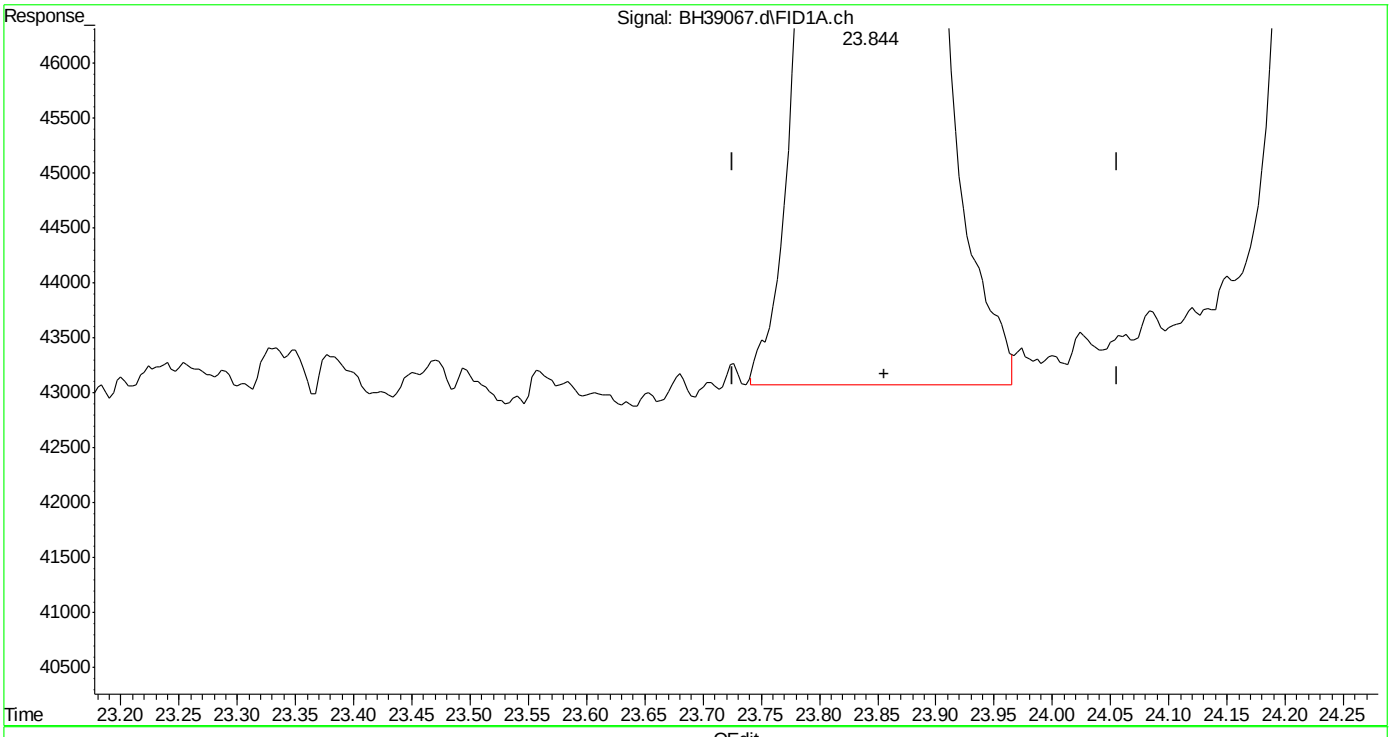
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:00 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 1.403 ppb m
response 1587731

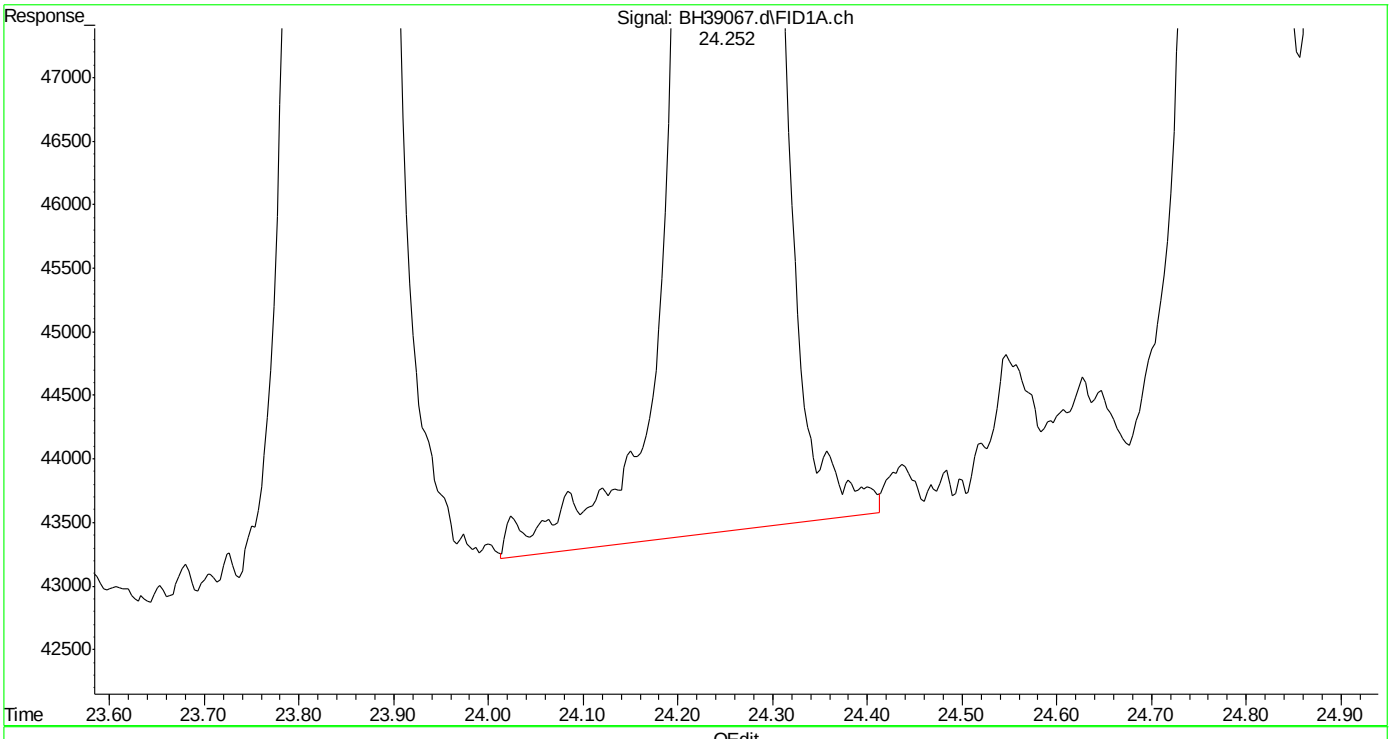
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 1.162 ppb
response 1577154

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:18 2016

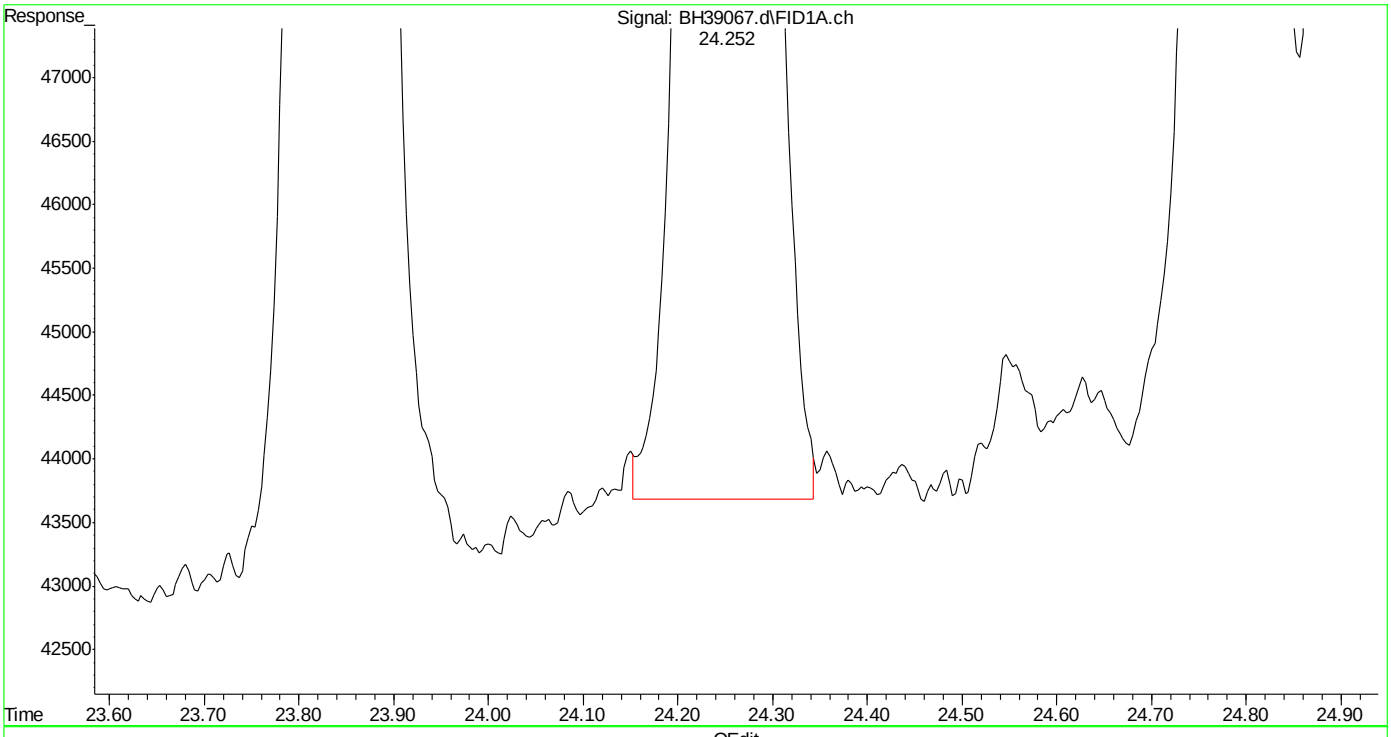
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.252min 1.110 ppb m
response 1506800

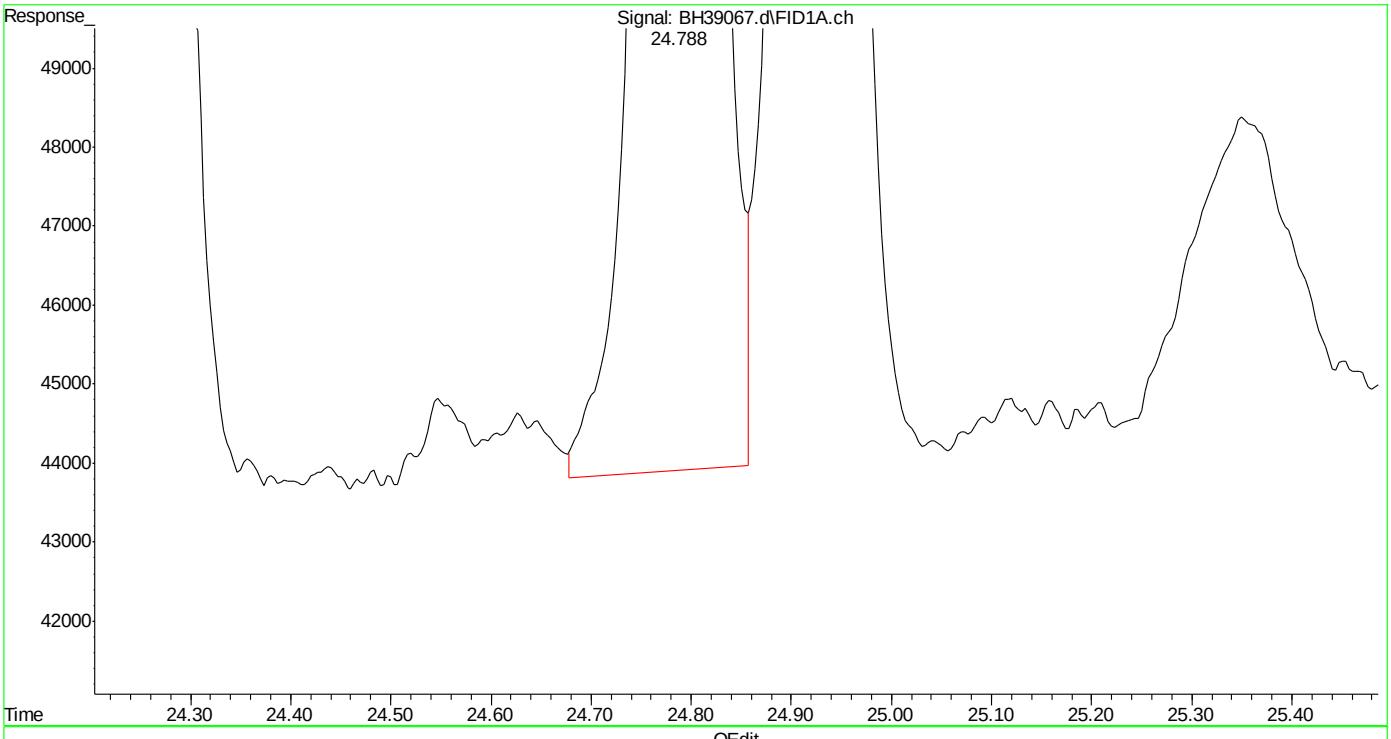
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:24 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.789min 1.190 ppb

response 1633591

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:17:30 2016

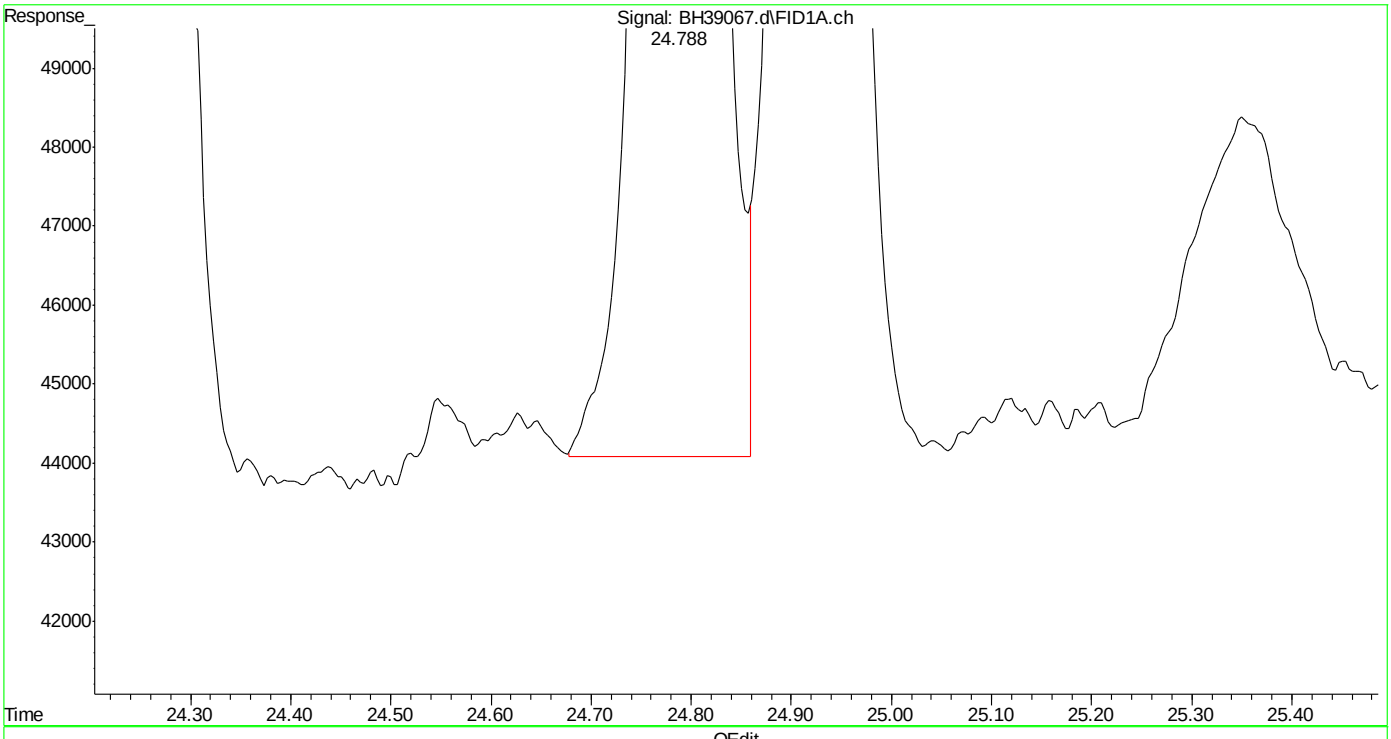
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 1.178 ppb m
response 1617043

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:38 2016

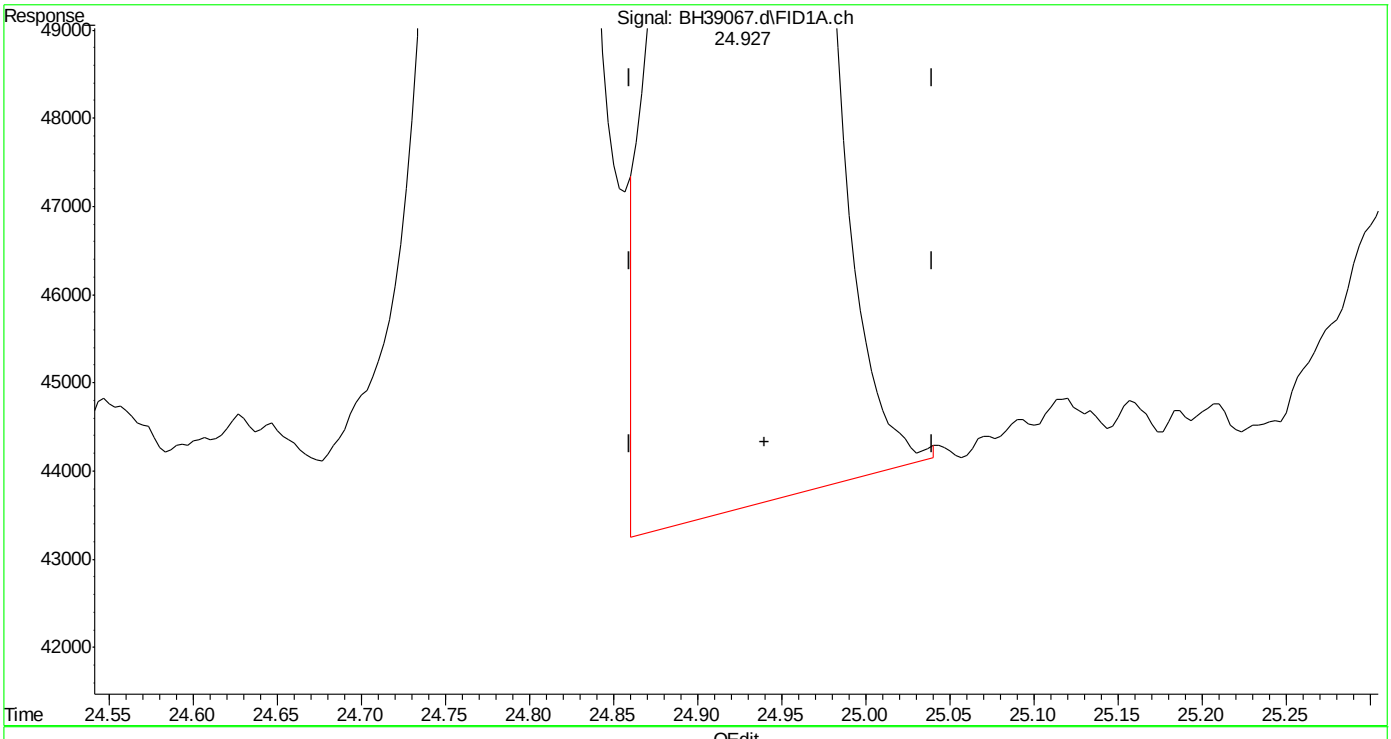
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 1.302 ppb
response 1617660

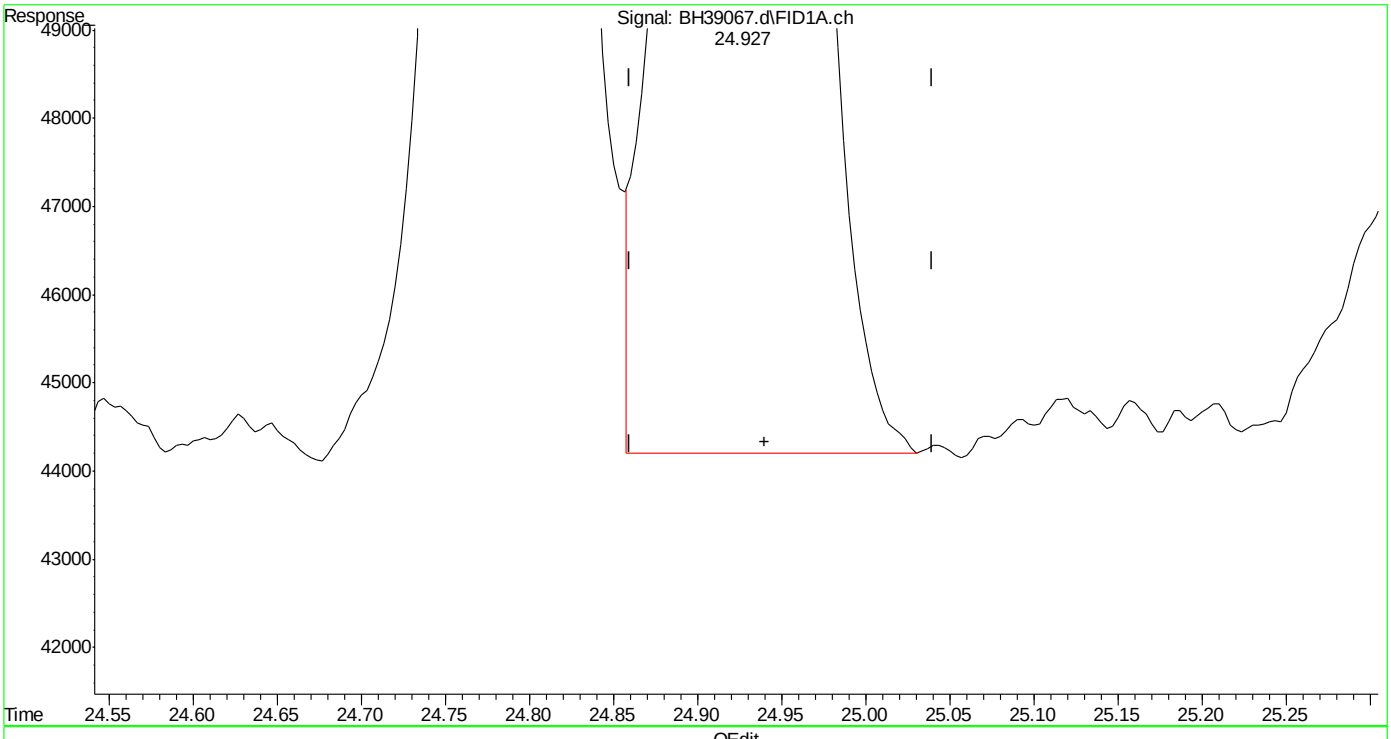
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 1.278 ppb m
response 1587278

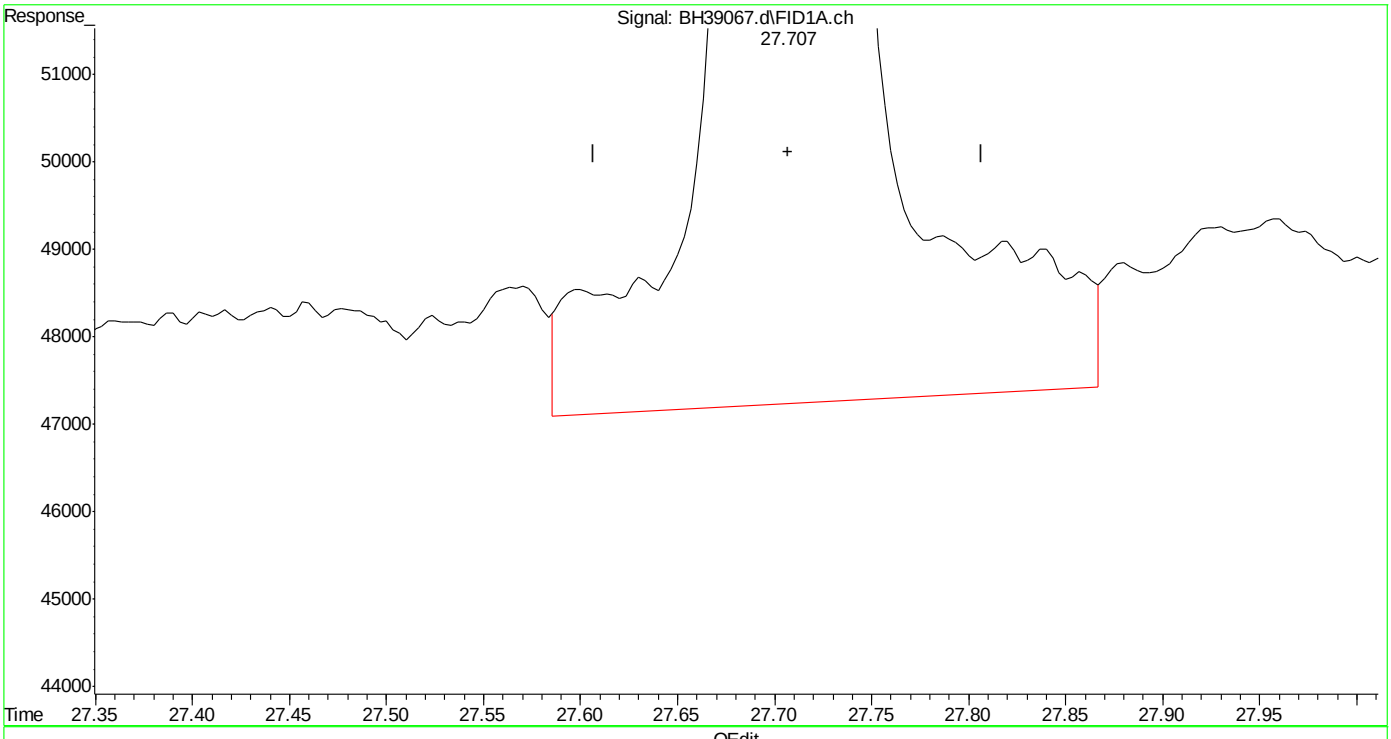
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 1.433 ppb
response 1216383

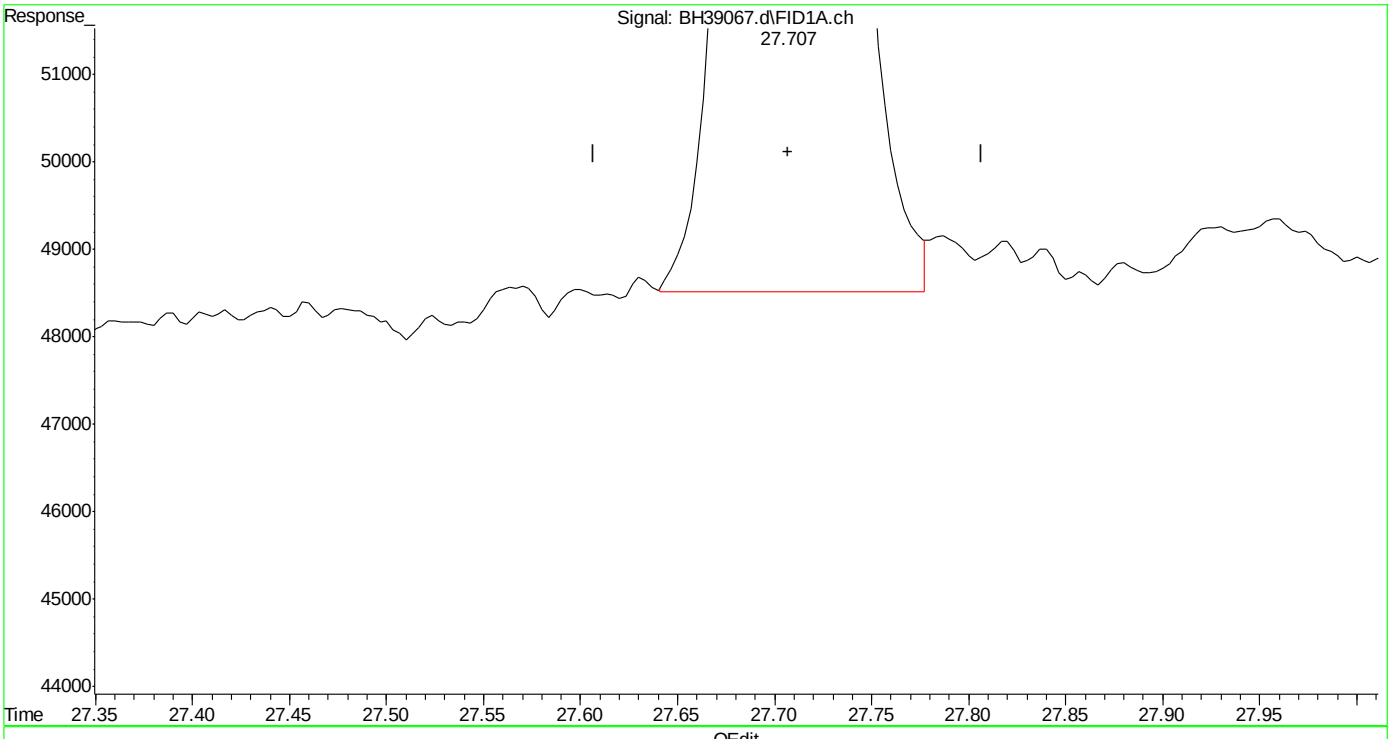
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.707min 1.158 ppb m
response 982848

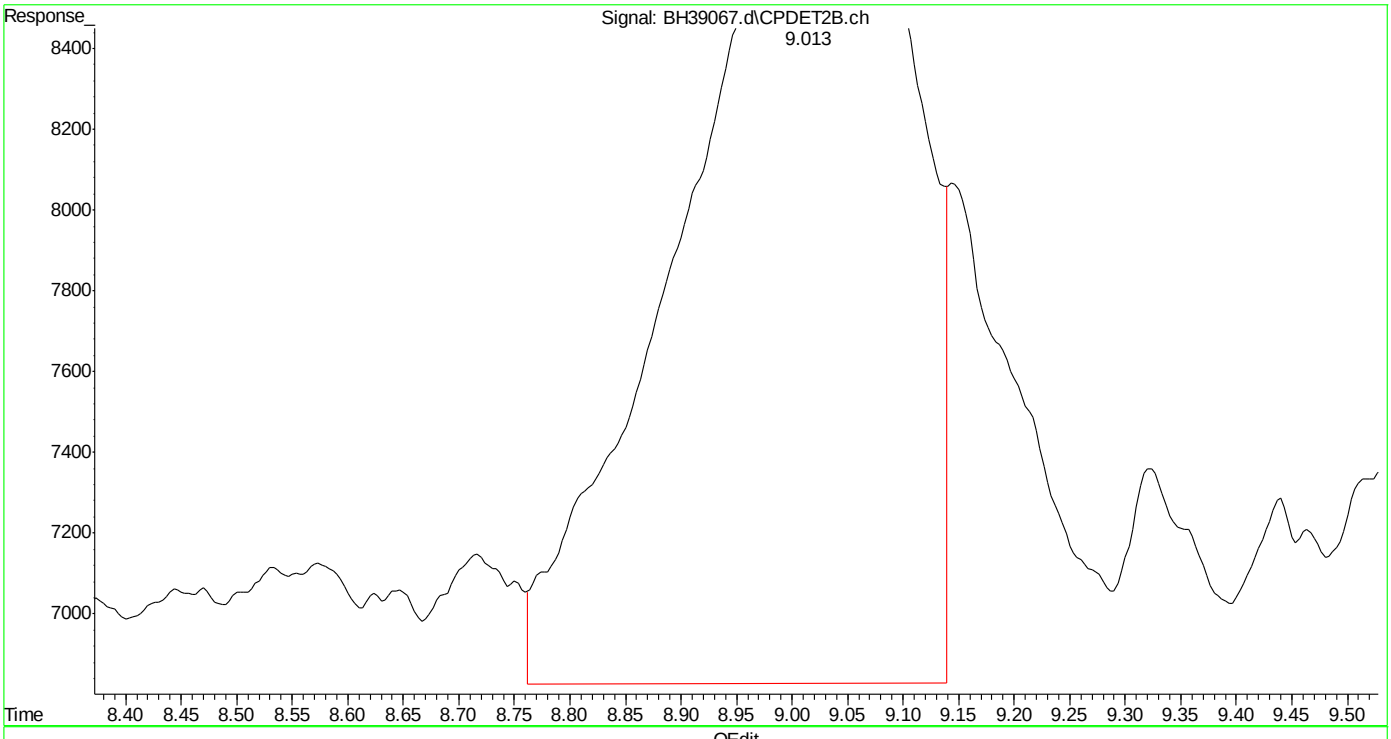
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:58 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.015min 0.999 ppb
response 288777

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:04 2016

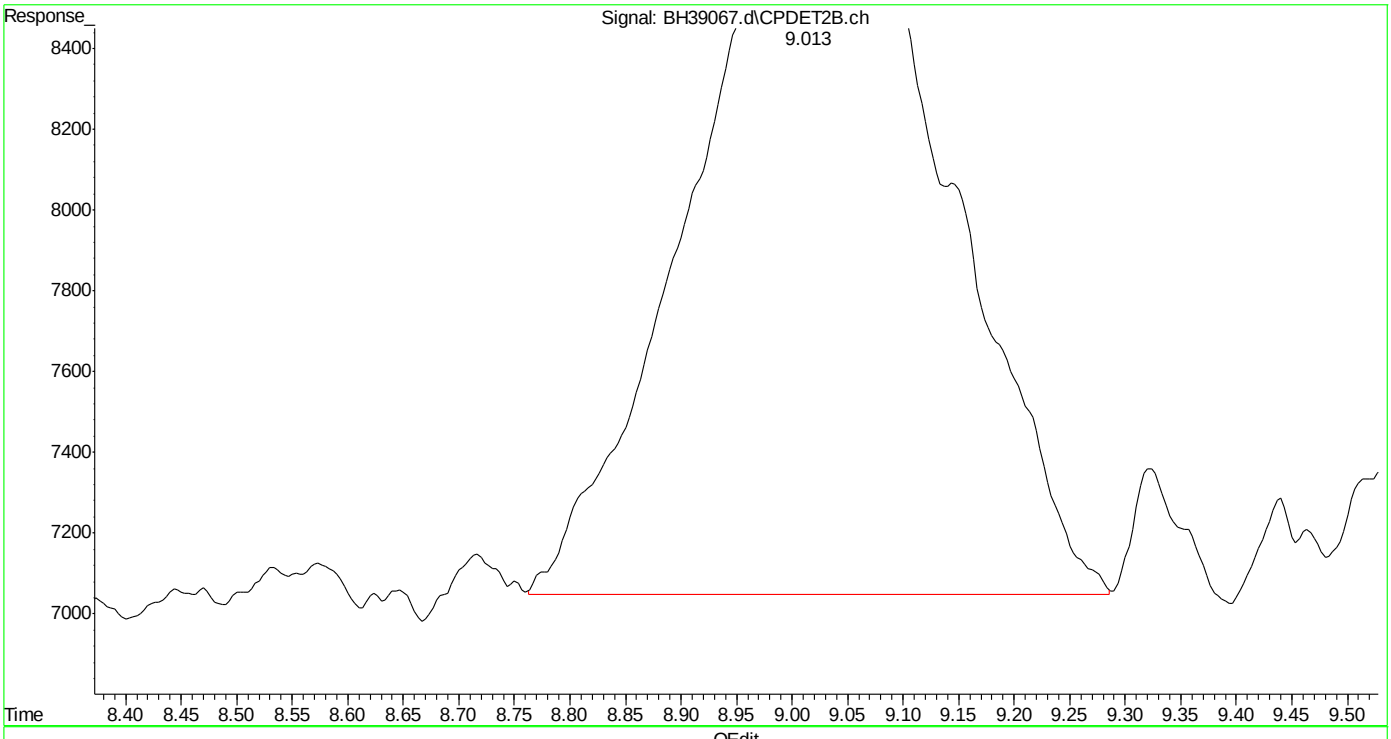
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.013min 0.968 ppb m
response 279735

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:13 2016

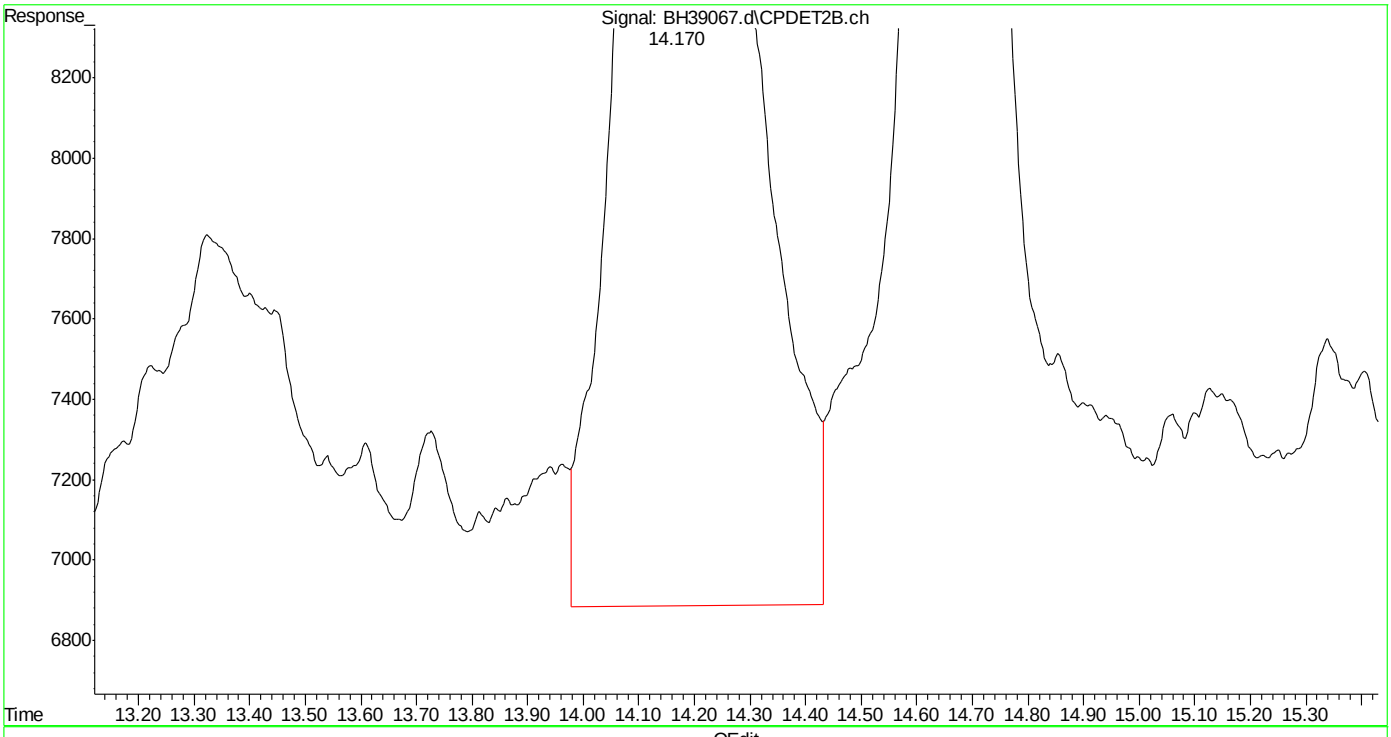
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.171min 1.231 ppb
response 819613

(+) = Expected Retention Time

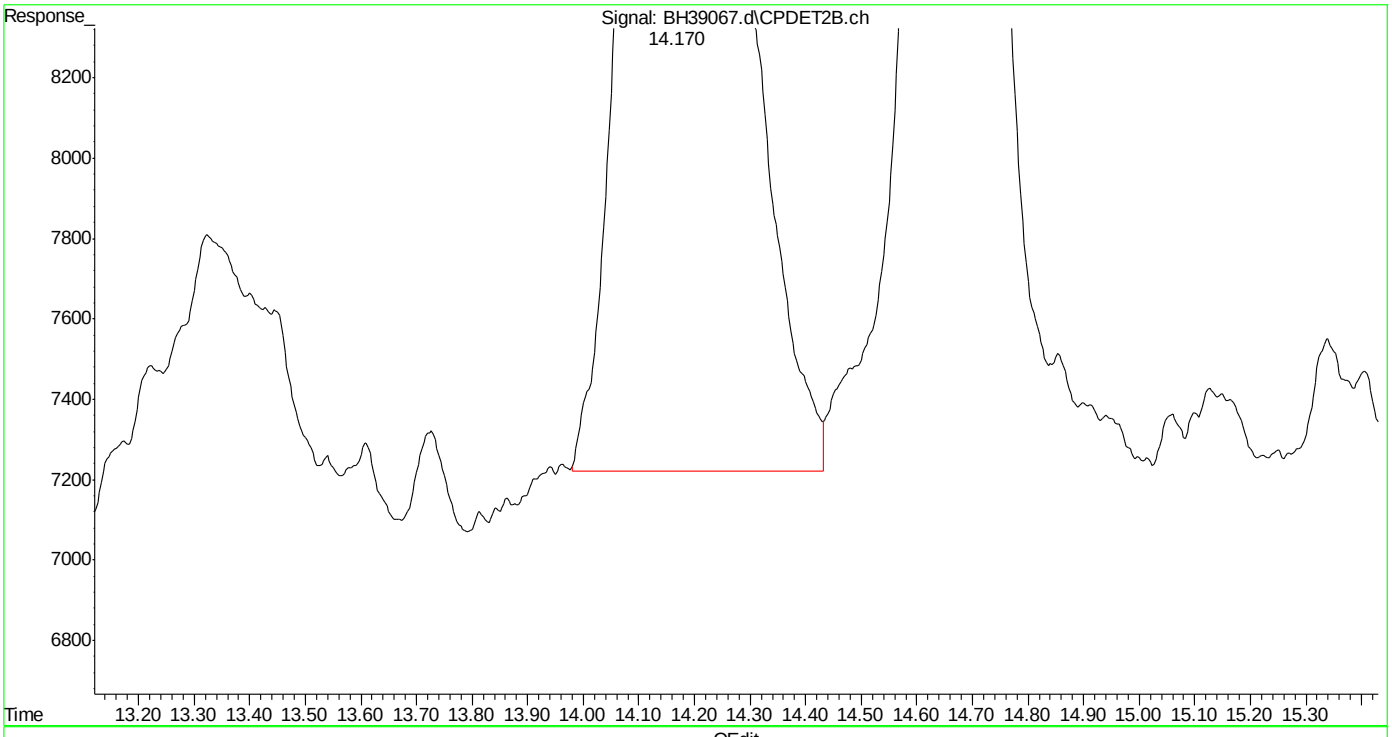
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.170min 1.094 ppb m
response 728697

(+) = Expected Retention Time

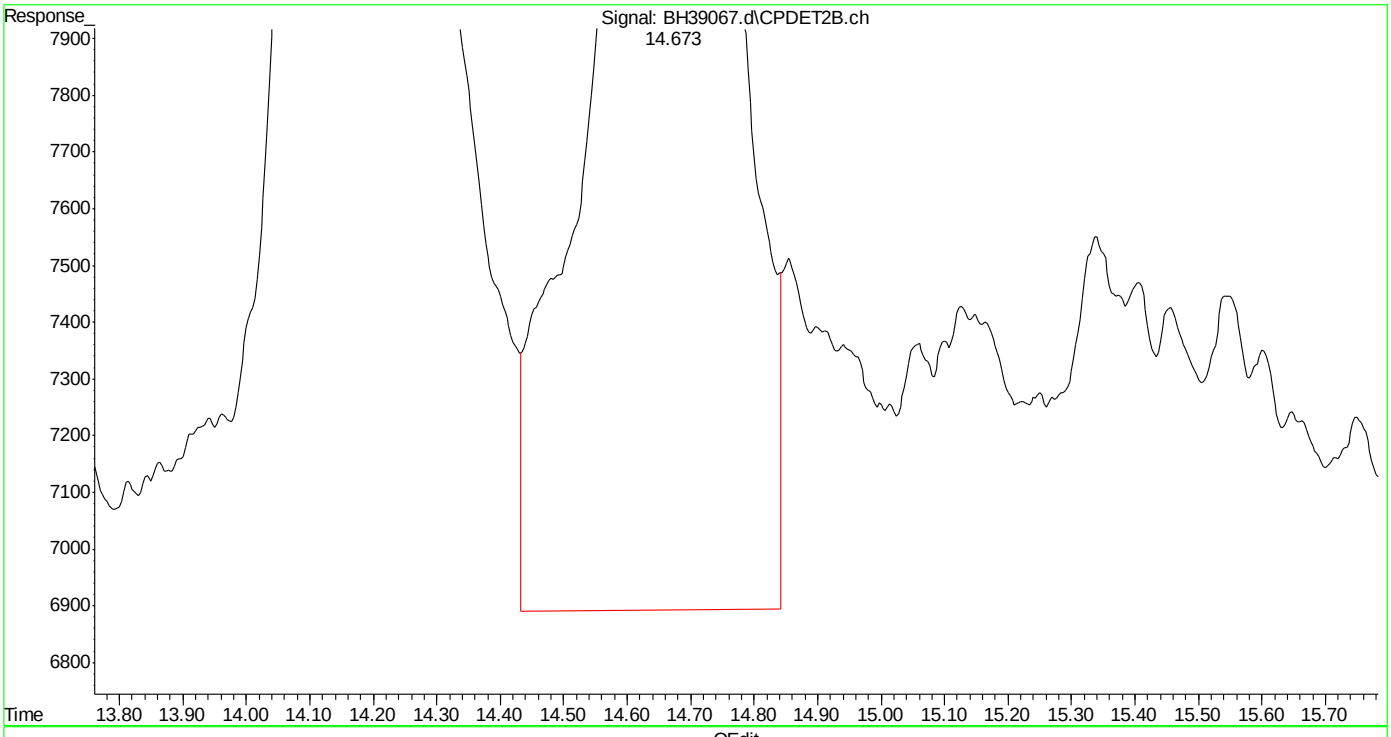
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.674min 1.244 ppb
response 514956

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:28 2016

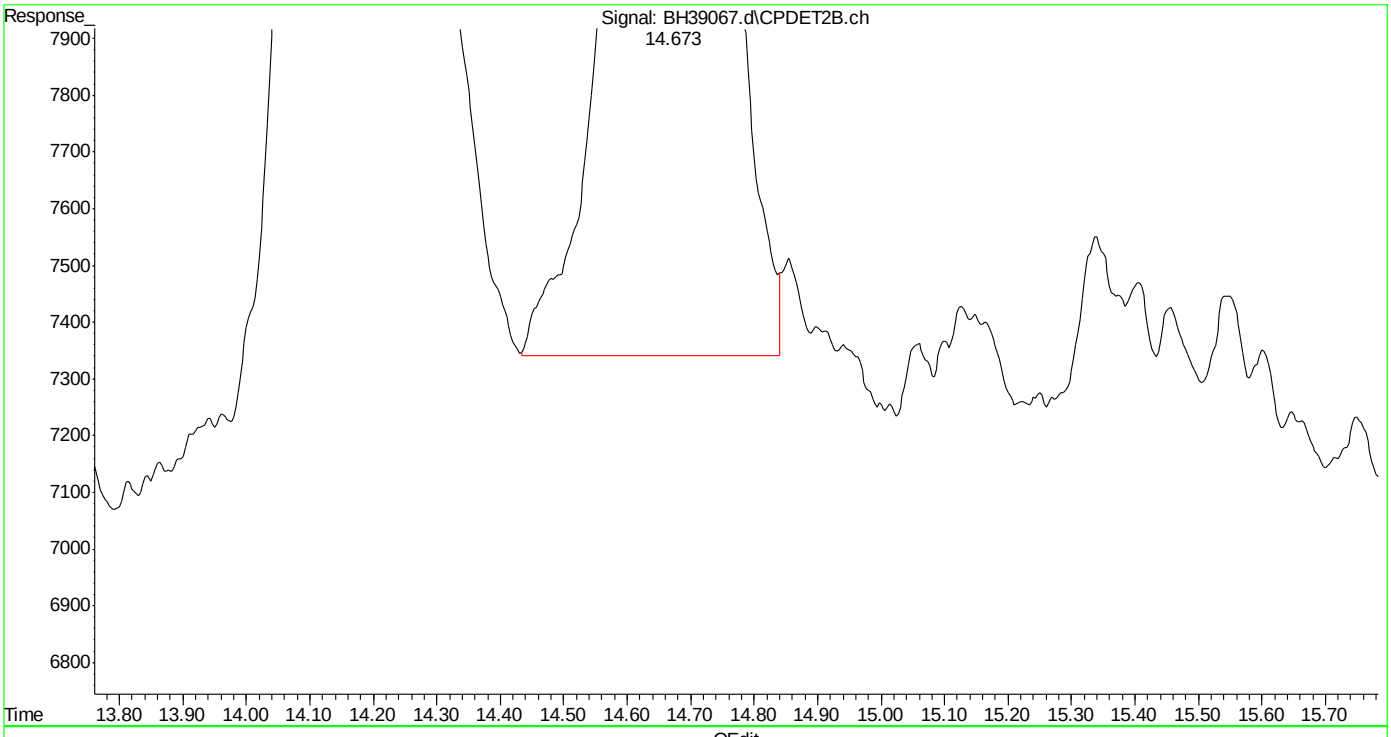
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.673min 0.979 ppb m
response 405168

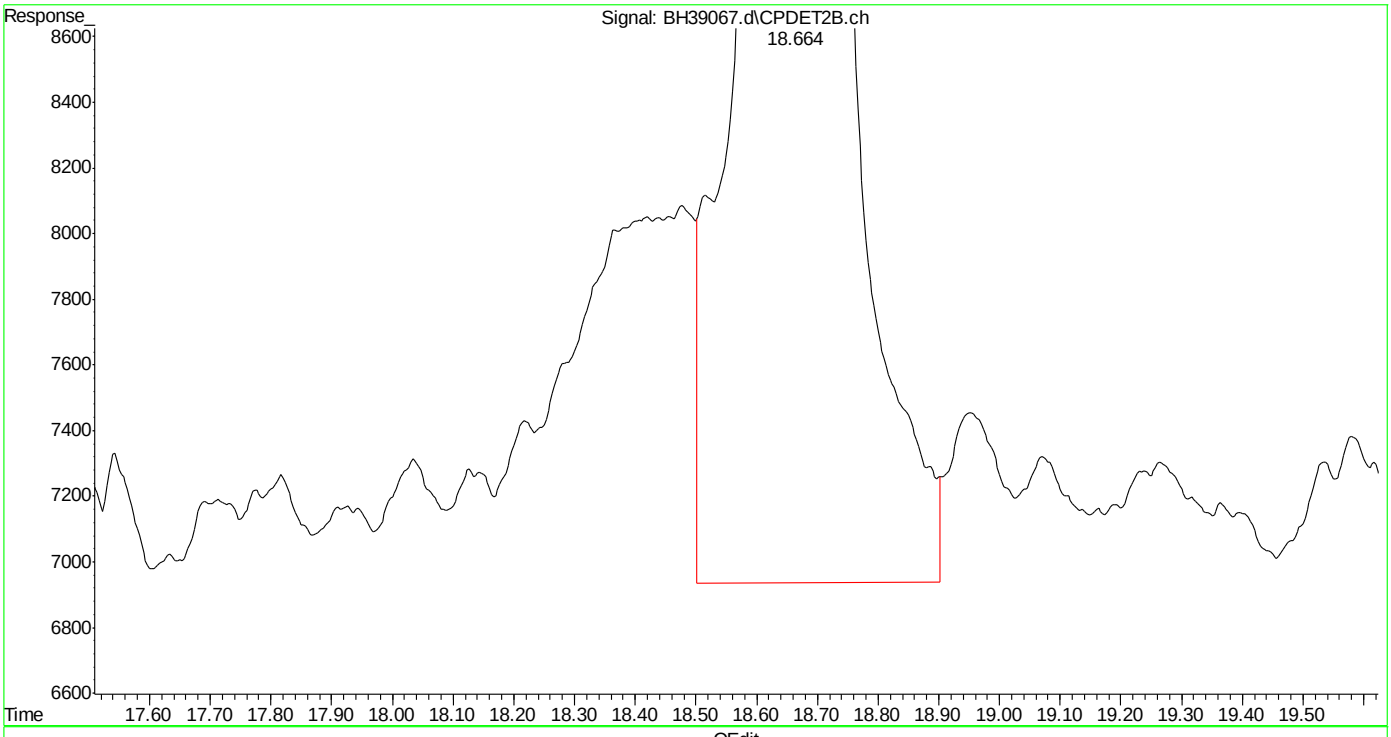
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:34 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 1.205 ppb
response 747439

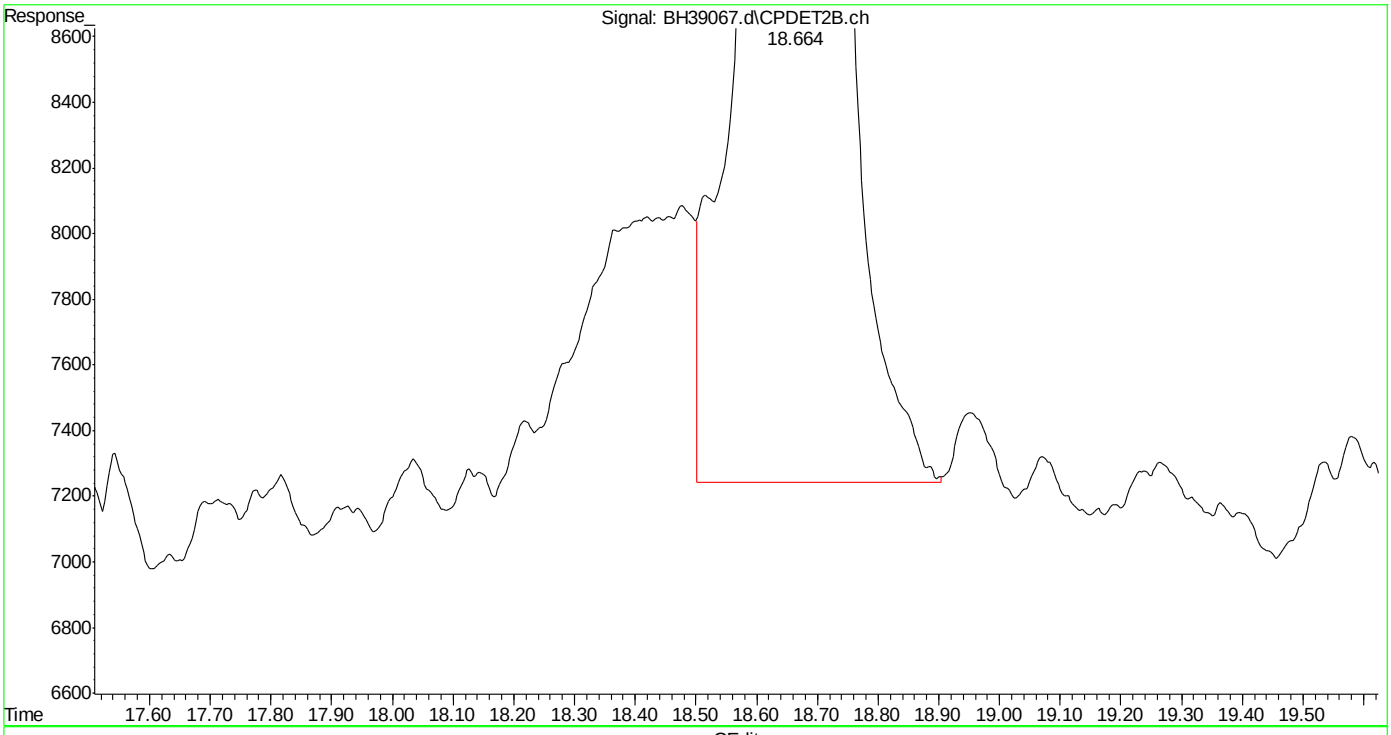
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:38 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 1.086 ppb m
response 673731

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:44 2016

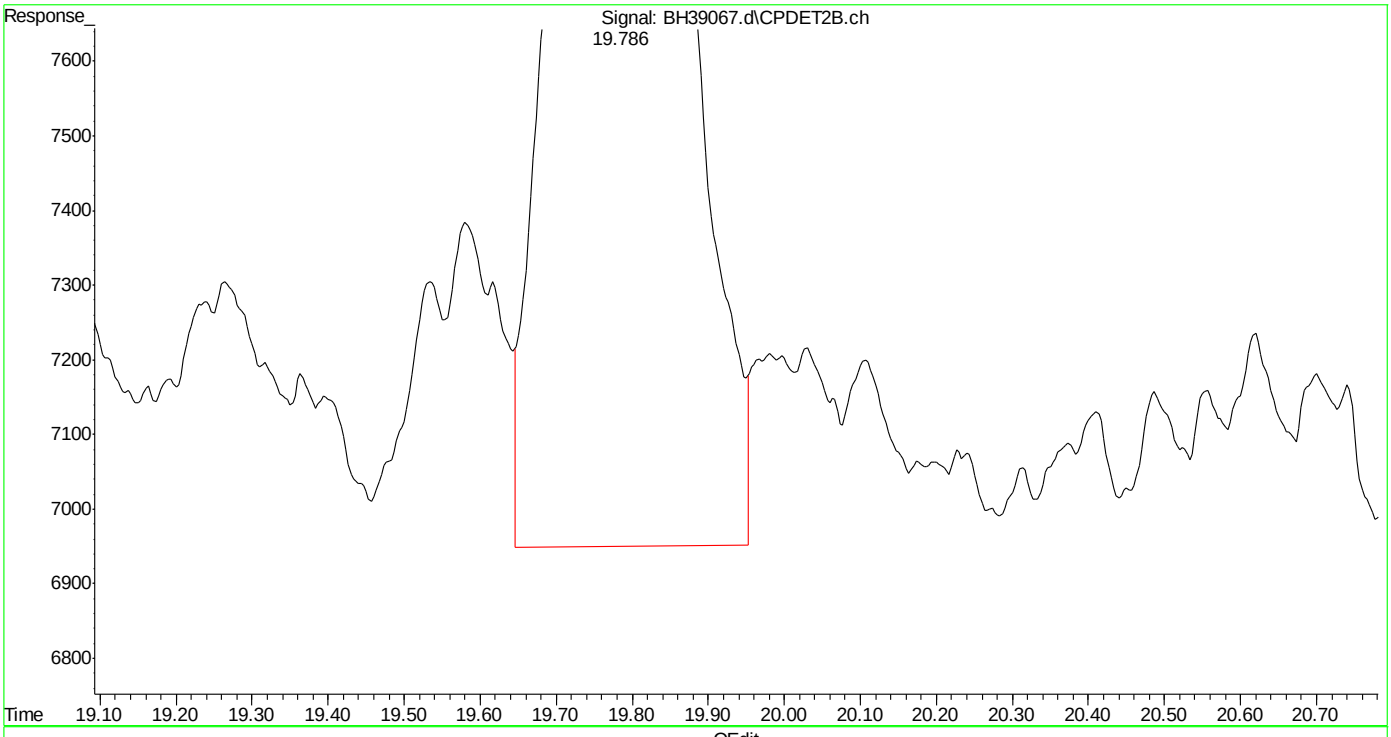
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.787min 1.318 ppb
response 333680

(+) = Expected Retention Time

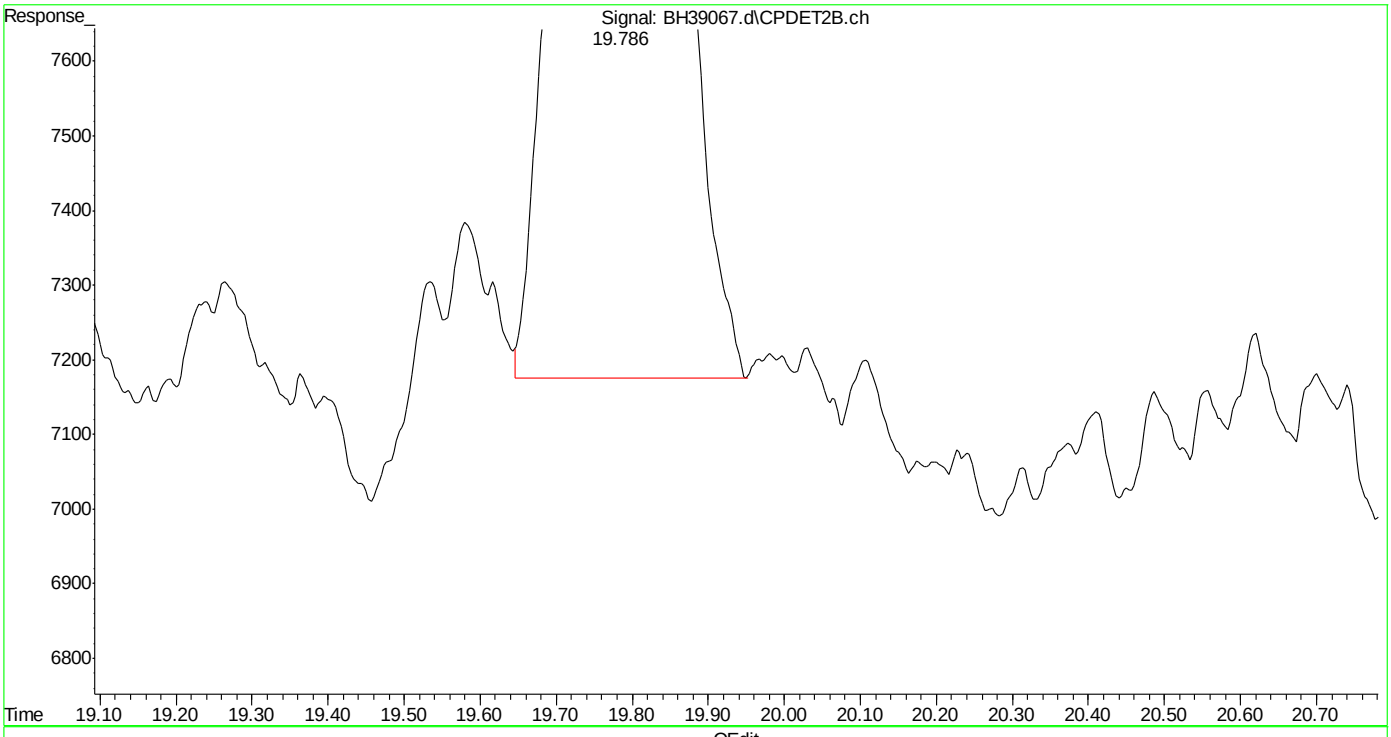
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 1.154 ppb m
response 292316

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:56 2016

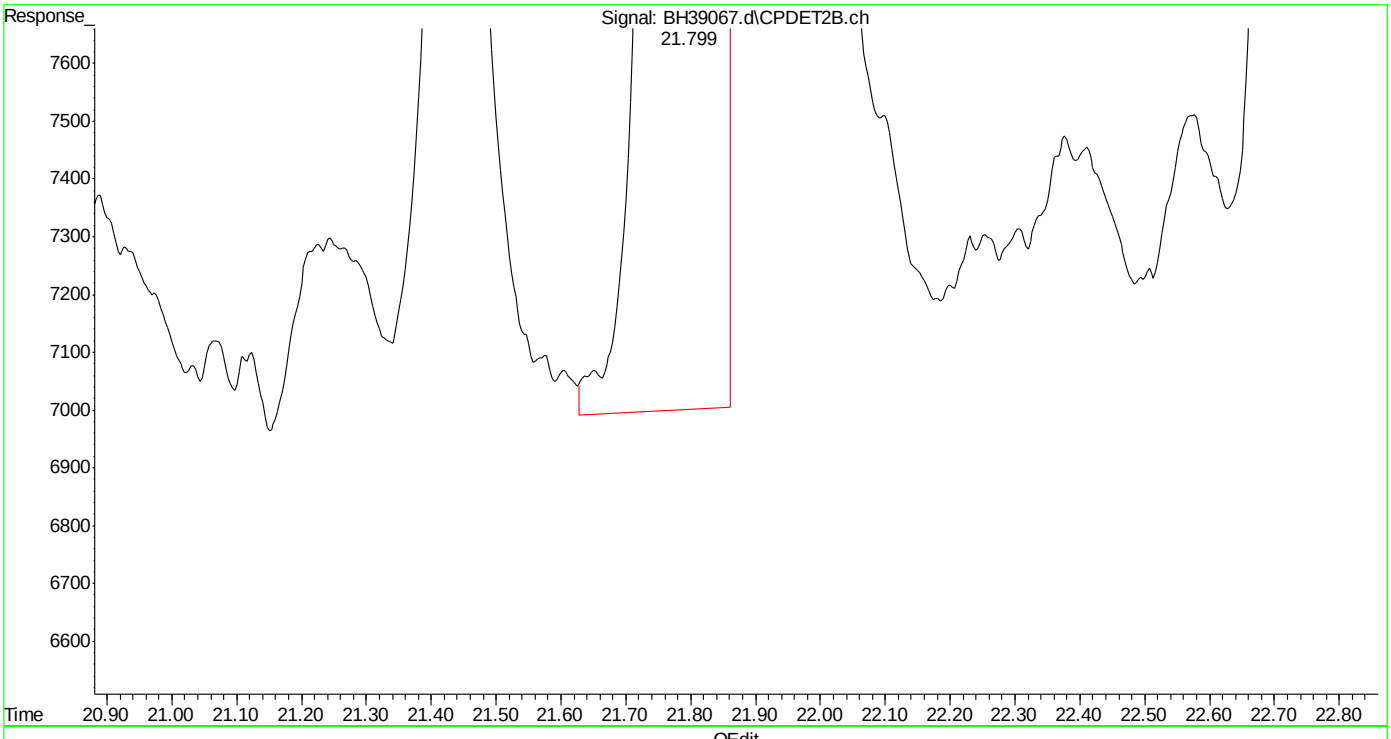
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.800min 1.041 ppb
response 567637

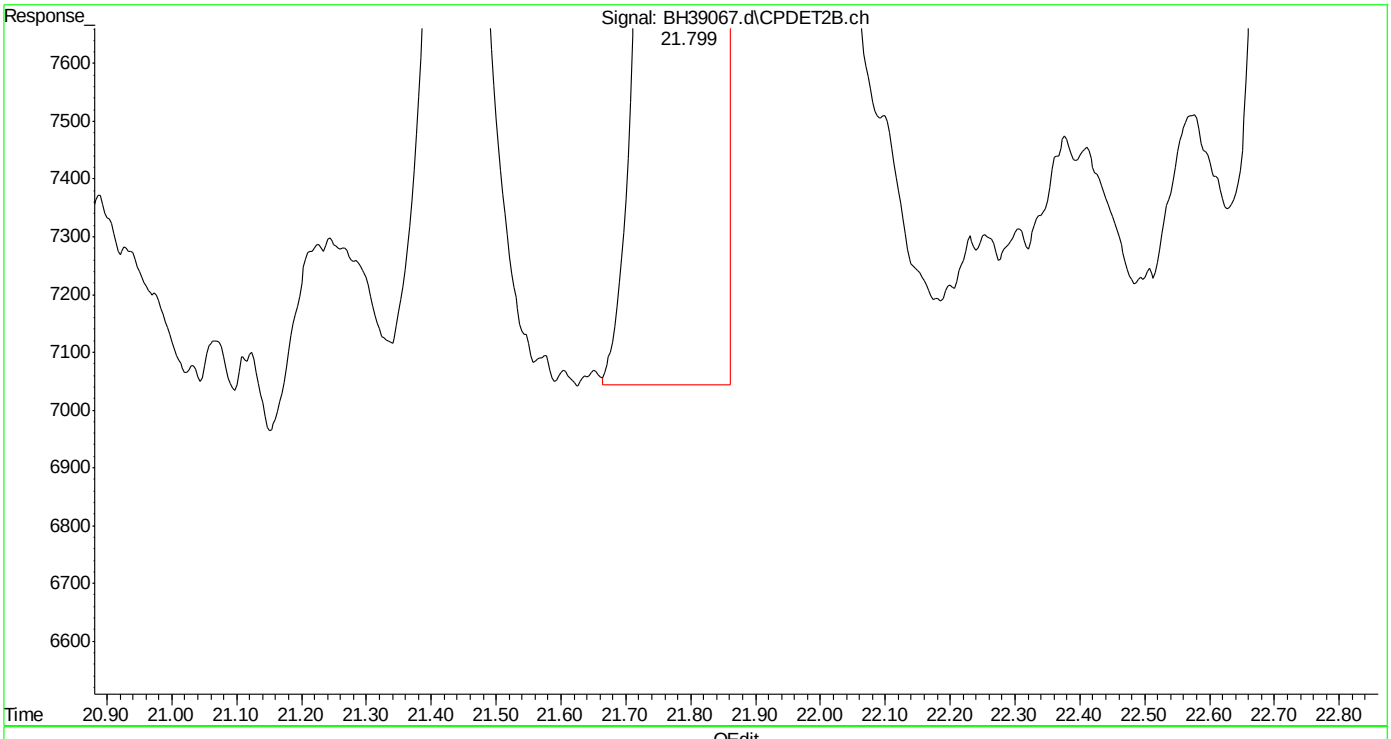
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:01 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.799min 1.047 ppb m
response 571223

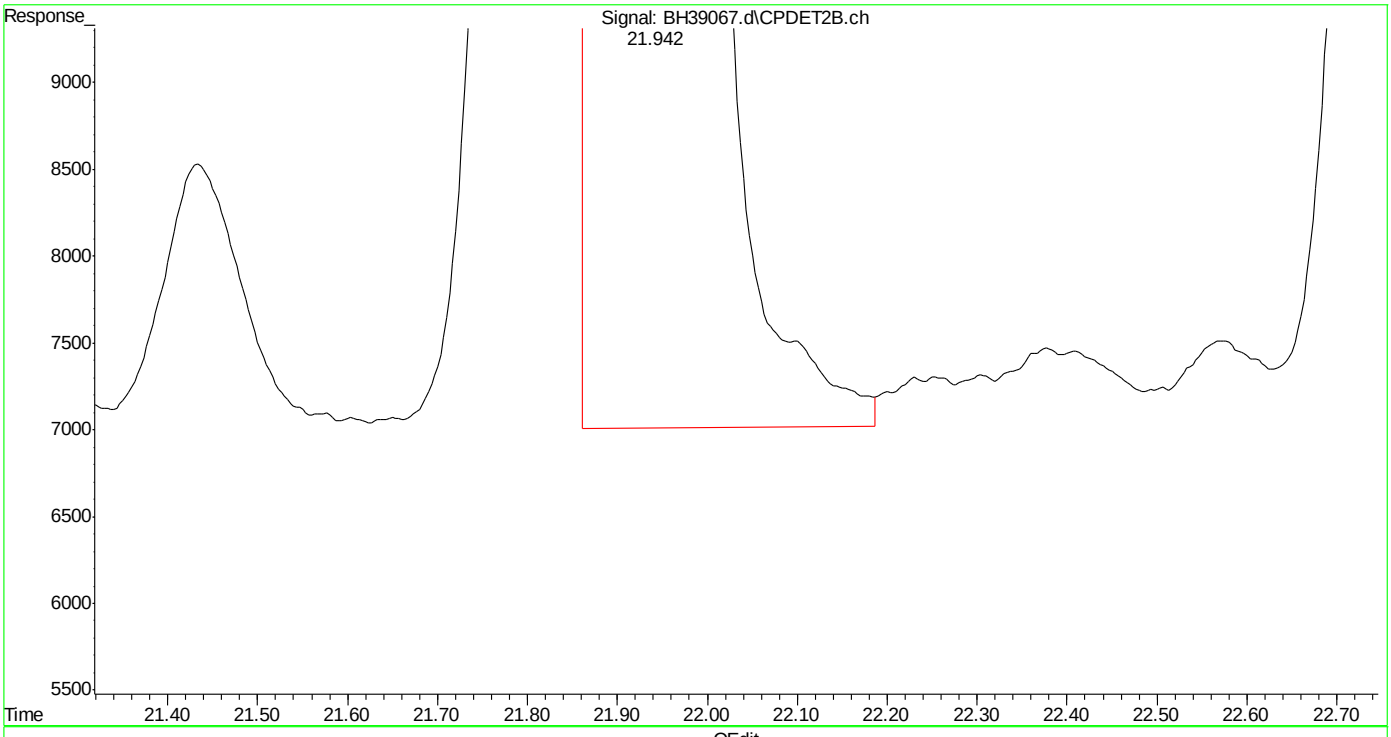
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:10 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 2.143 ppb
response 1450564

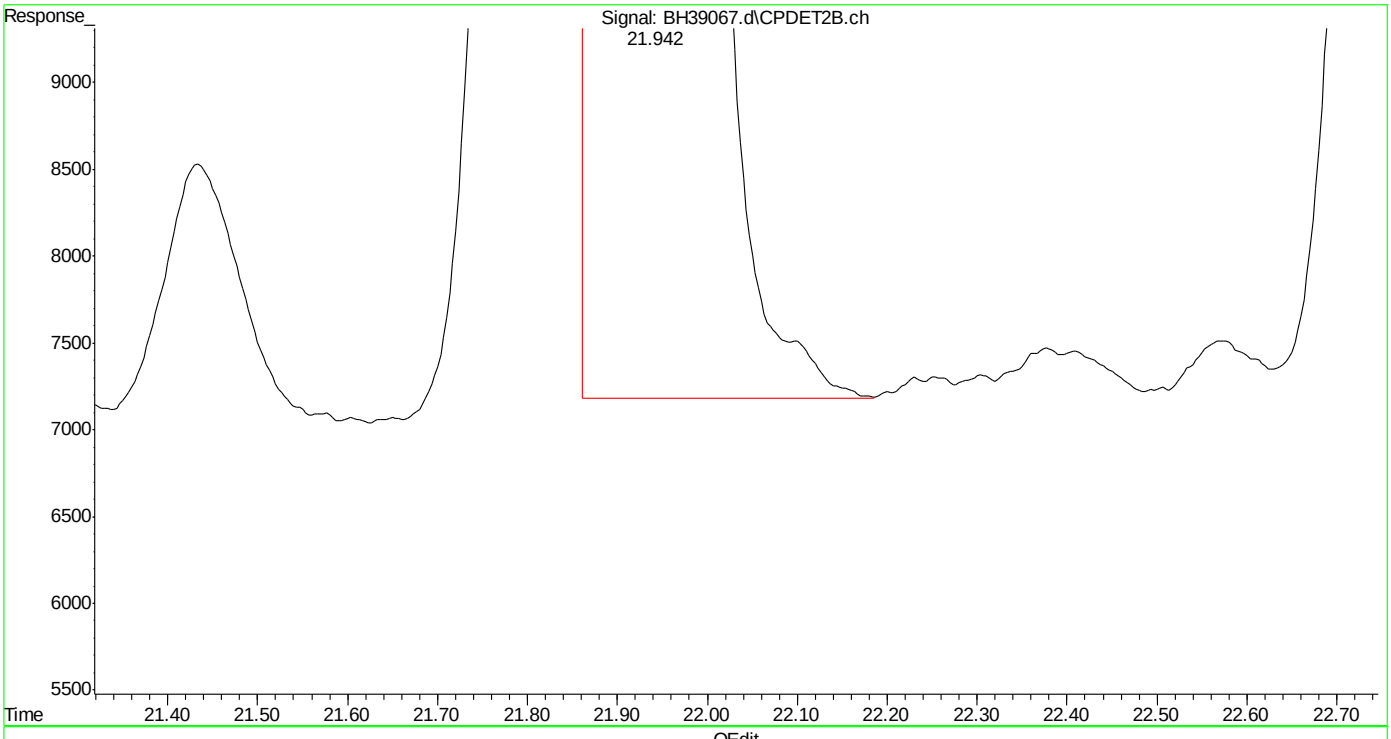
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:17 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.942min 2.090 ppb m
response 1414571

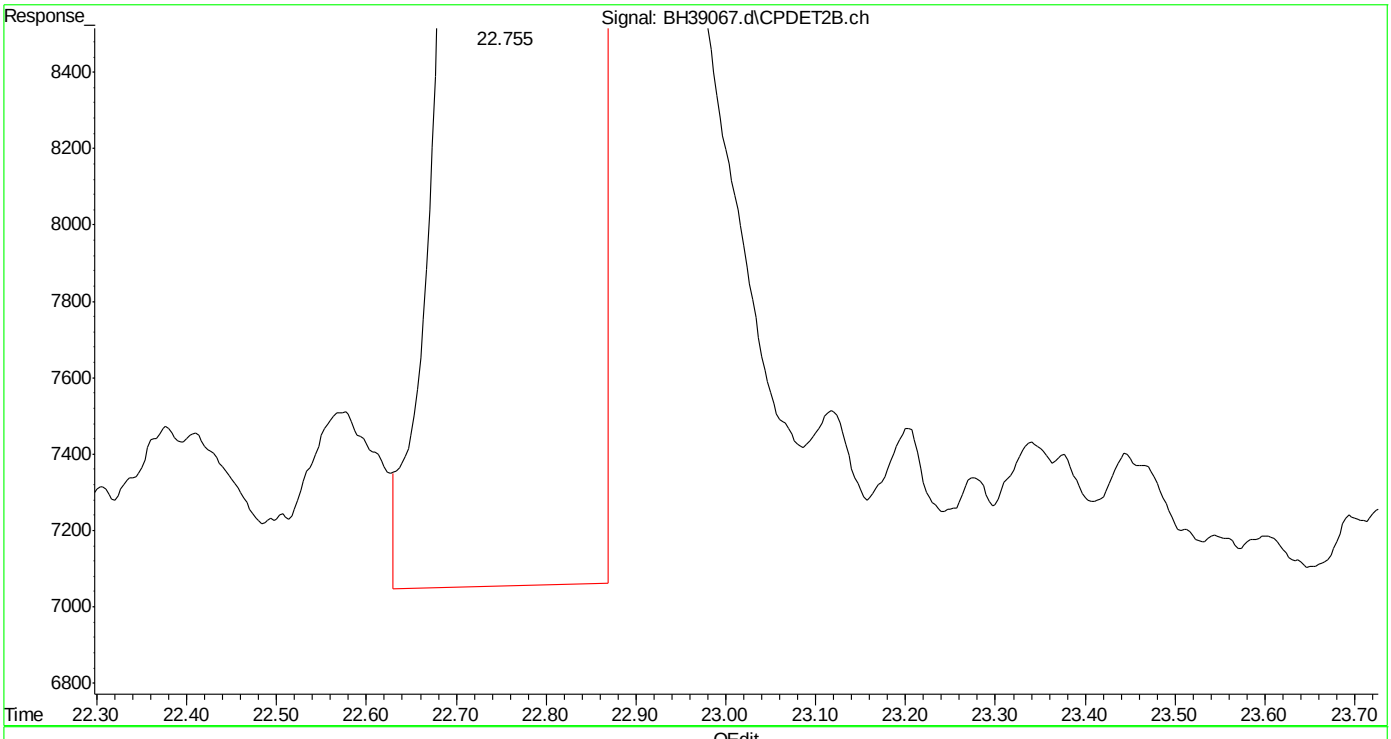
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:23 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.756min 1.135 ppb
response 668095

(+) = Expected Retention Time

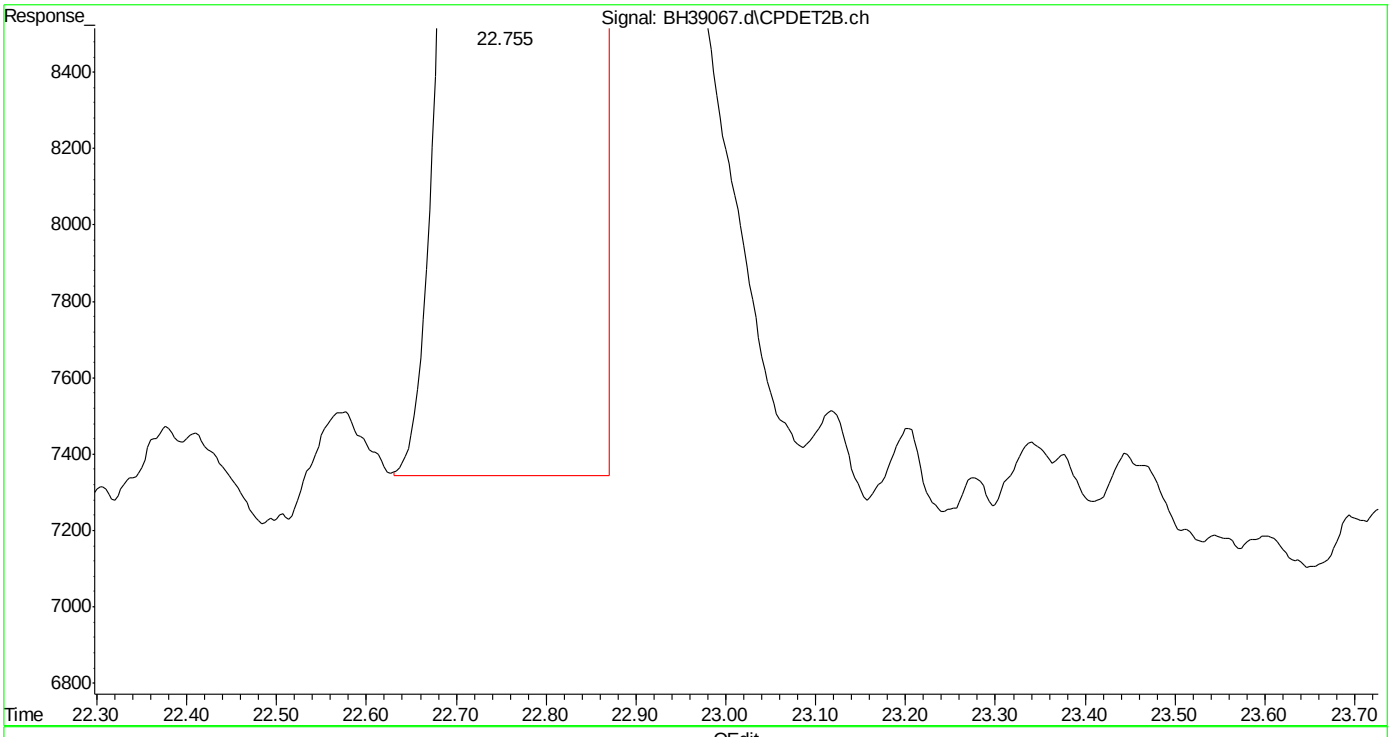
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 1.064 ppb m
response 626025

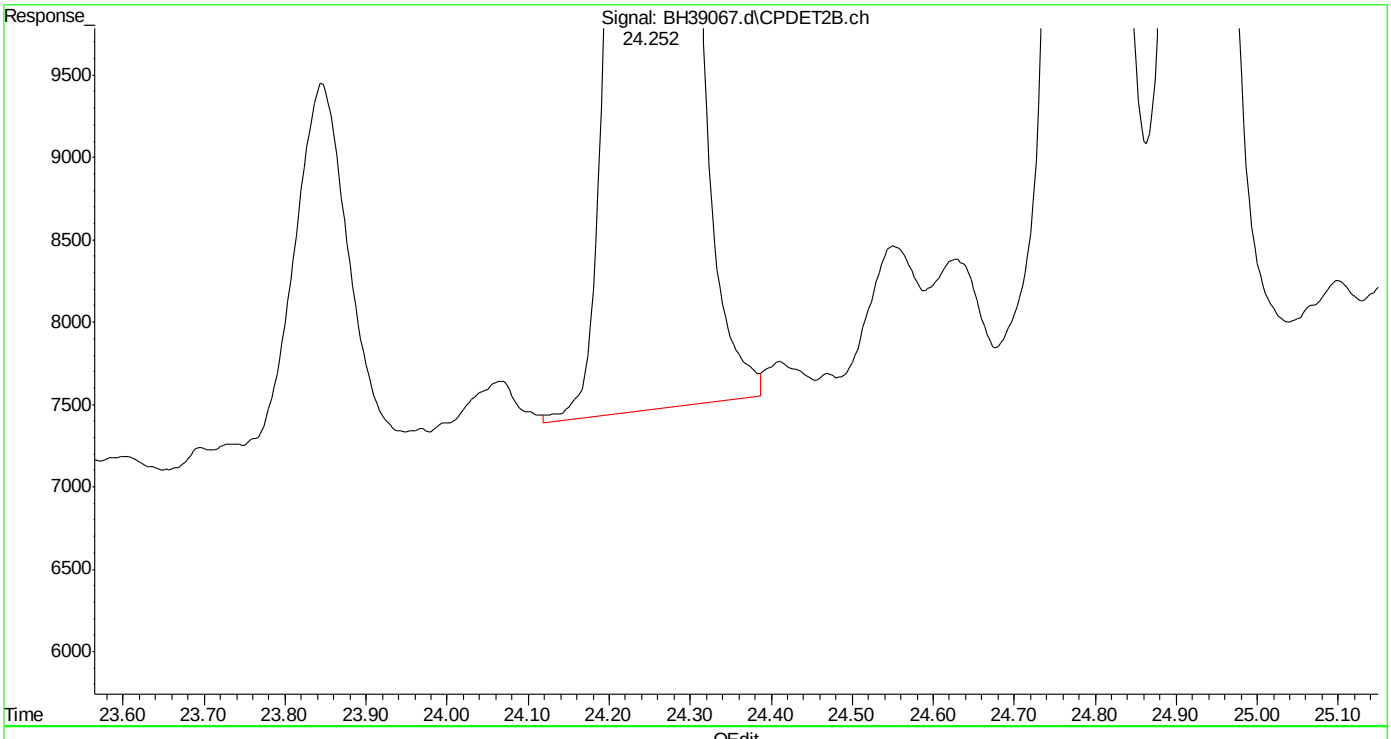
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)

24.254min 1.104 ppb

response 938781

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:19:40 2016 Page: 1

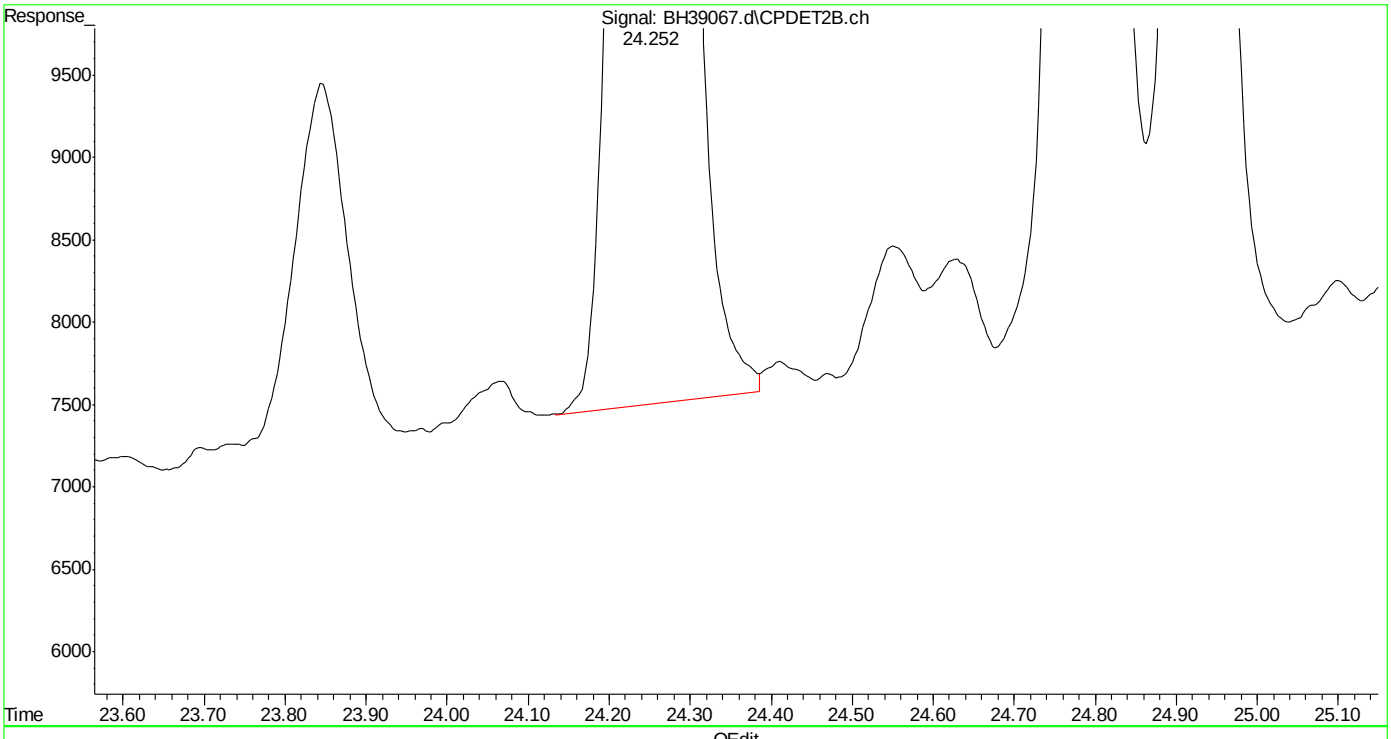
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.252min 1.097 ppb m
response 933232

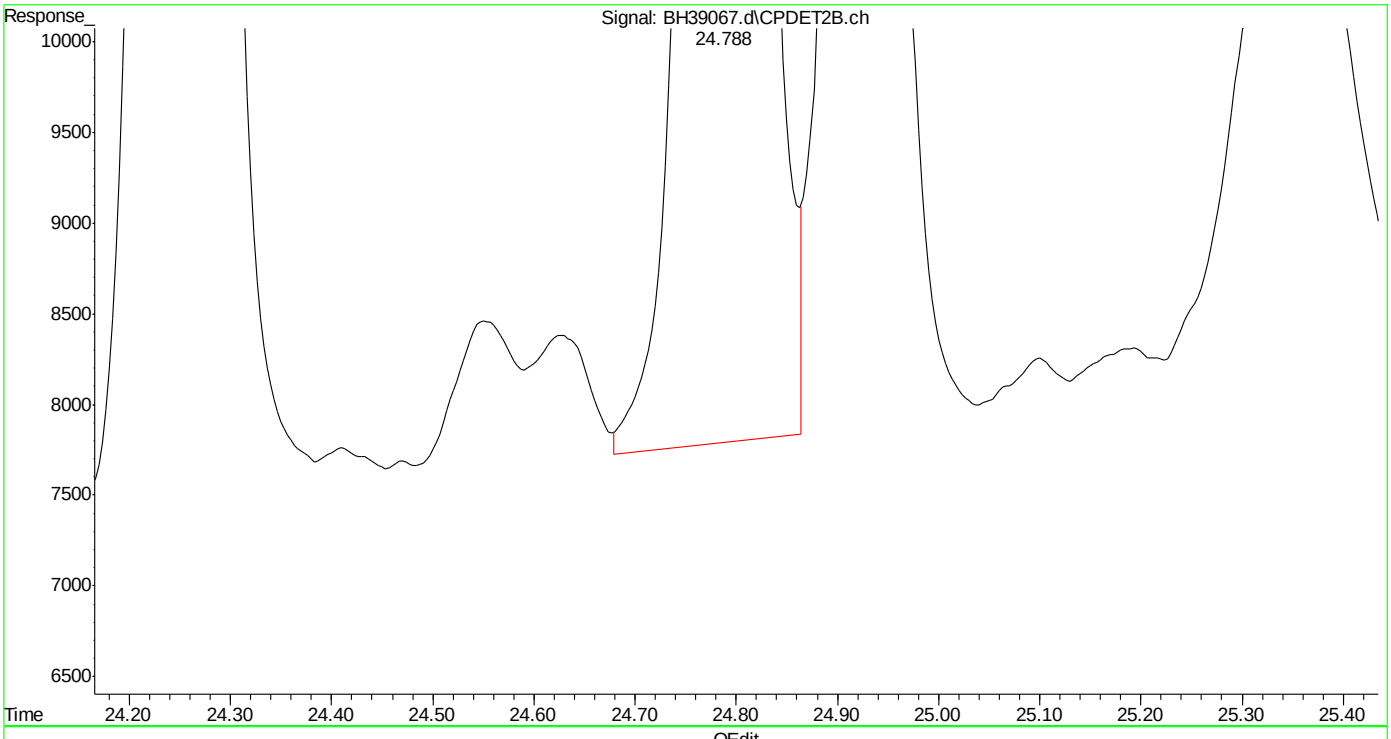
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:55 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 1.152 ppb
response 755144

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:20:00 2016

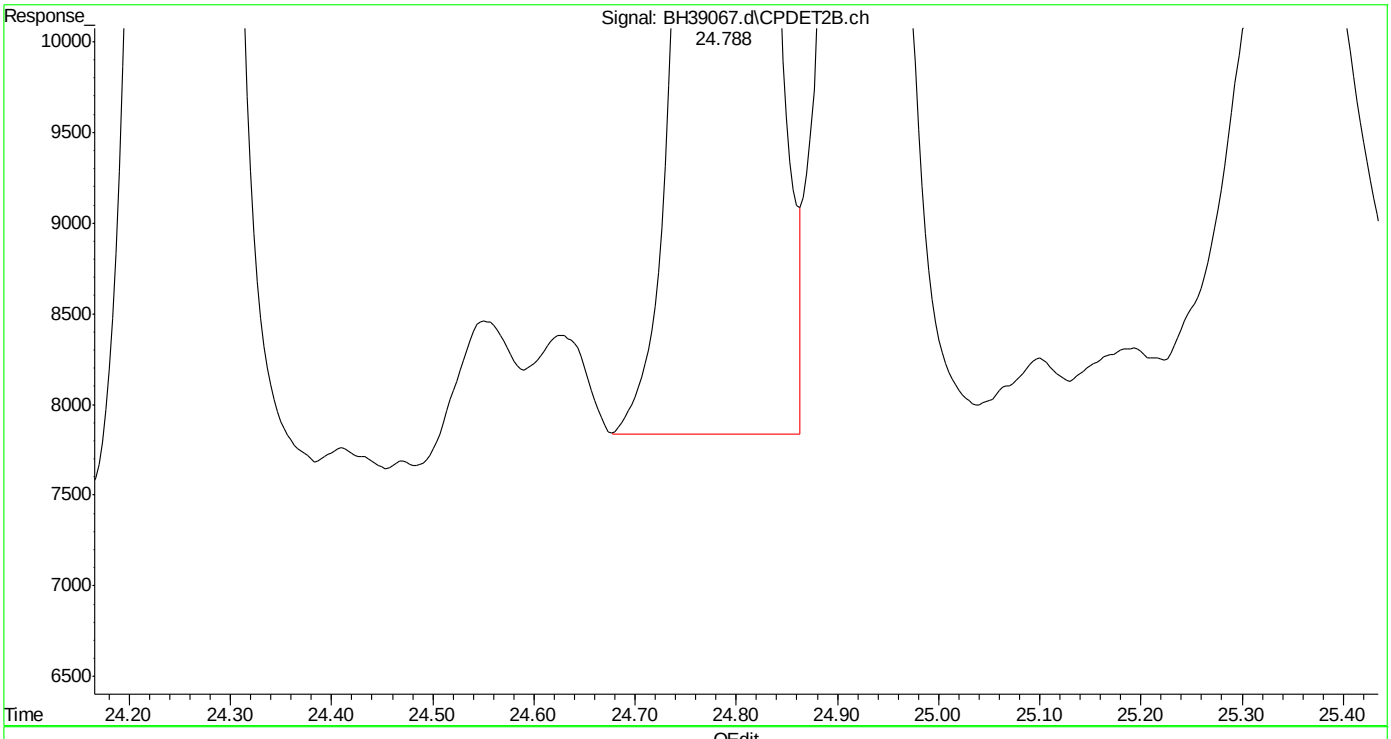
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 1.140 ppb m
response 747337

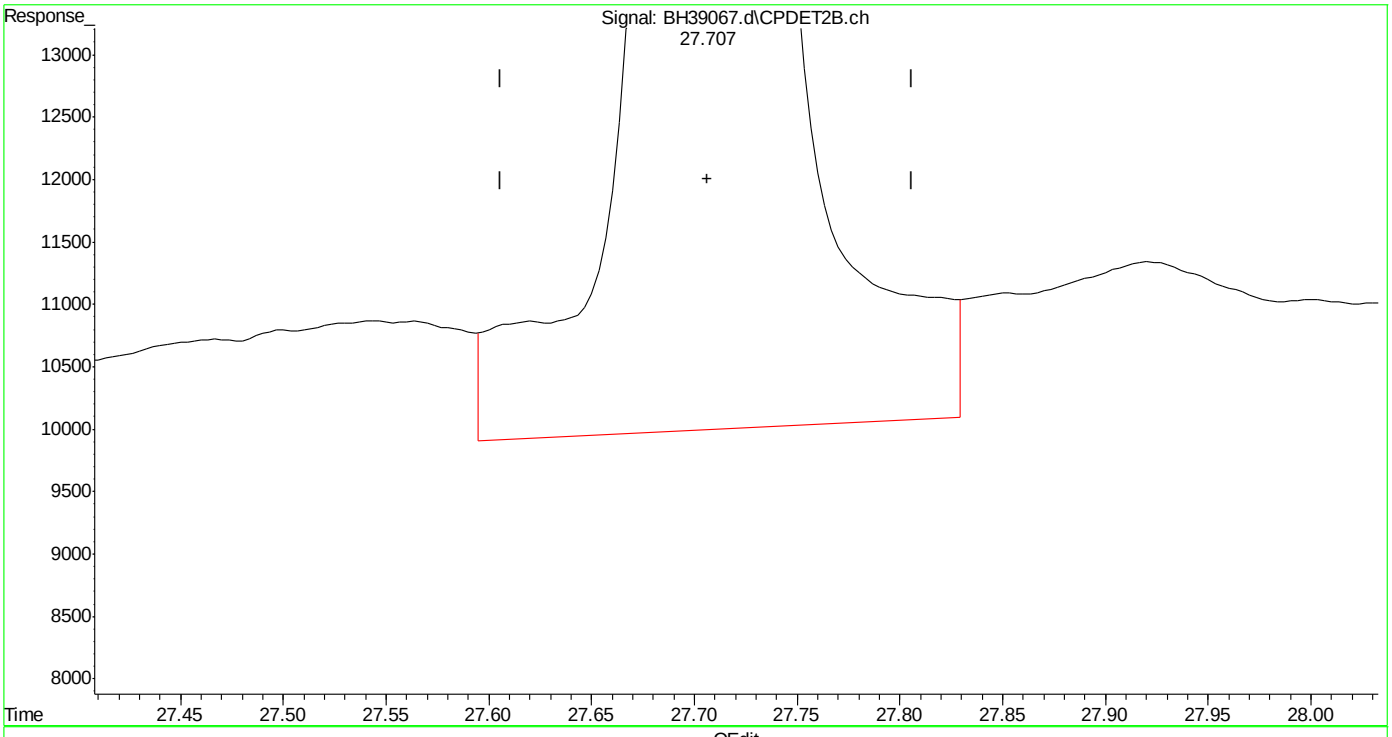
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 1.345 ppb
response 779757

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:20:09 2016

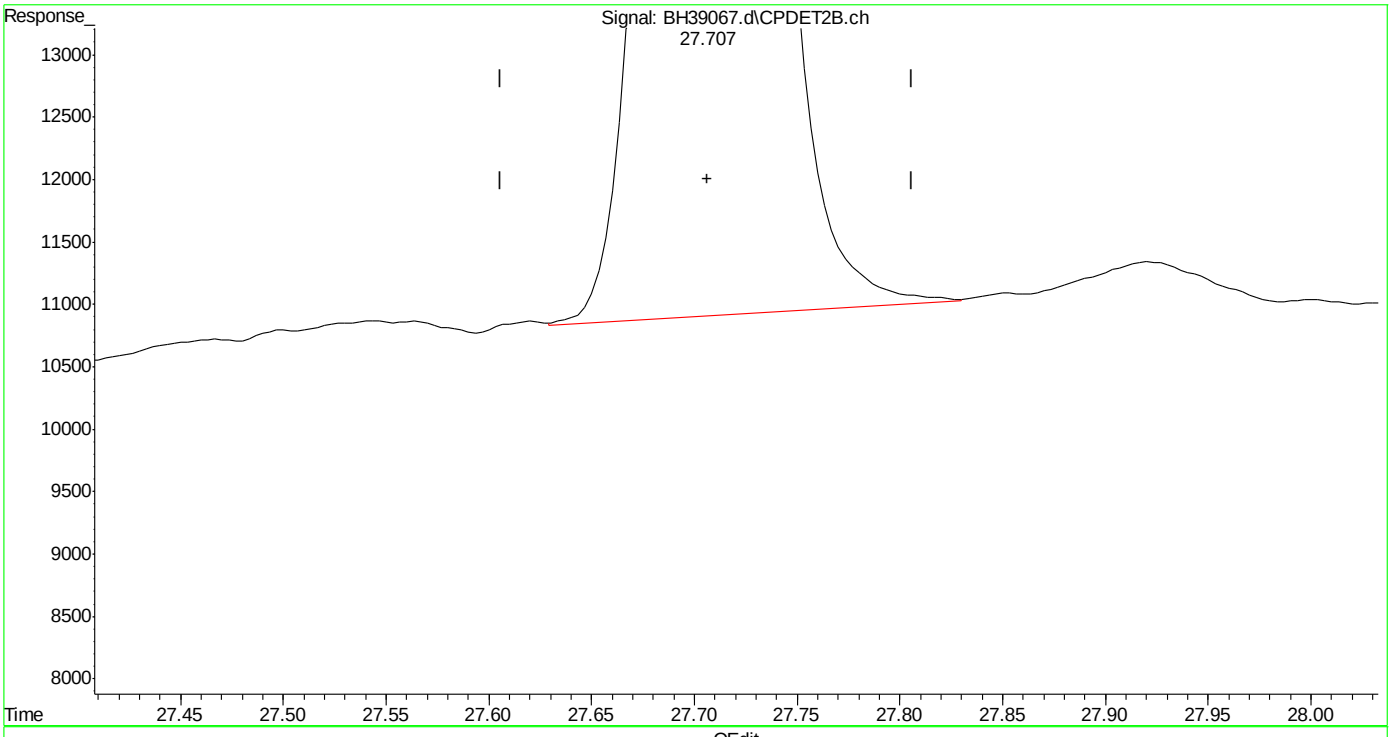
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 1.122 ppb m
response 650855

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 15:04:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.669	44614983	47.515 ppb	m
Spiked Amount 50.000		Recovery =	95.03%	
6) s 2,3,4-trifluorotoluene	19.783	36893456	45.386 ppb	m
Spiked Amount 50.000		Recovery =	90.77%	
16) s fluorobenzene #2	14.669	19094327	46.982 ppb	m
Spiked Amount 50.000		Recovery =	93.96%	
18) s 2,3,4-trifluorotoluen...	19.783	11394429	44.864 ppb	m
Spiked Amount 50.000		Recovery =	89.73%	
Target Compounds				
1) h rt5.5-7	5.980	43811706	42.422 ppb	m
2) h rt7/10	8.250	47891443	46.373 ppb	m
3) h rt10/13	13.360	55554306	53.792 ppb	m
8) h rt20/25	21.460	50846882	42.275 ppb	m
10) h decane	23.856	50462628	41.956 ppb	m
11) h butylcyclohexane	24.940	56304959	46.813 ppb	m
14) t mtbe #2	9.014	13367156	47.536 ppb	m
15) t benzene #2	14.167	30424393	46.260 ppb	m
17) t toluene #2	18.664	28373340	46.009 ppb	m
19) t ethylbenzene #2	21.797	25470023	46.549 ppb	m
20) t m,p-xylene #2	21.941	61648428	92.421 ppb	m
21) t o-xylene #2	22.753	26324995	45.221 ppb	m
22) t 1,3,5-trimethylbenzen...	24.252	38855573	46.498 ppb	m
23) t 1,2,4-trimethylbenzen...	24.787	29522286	45.833 ppb	m
24) t naphthalene #2	27.707	26050435	47.650 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	29530406	45.852 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

7.5.10
7

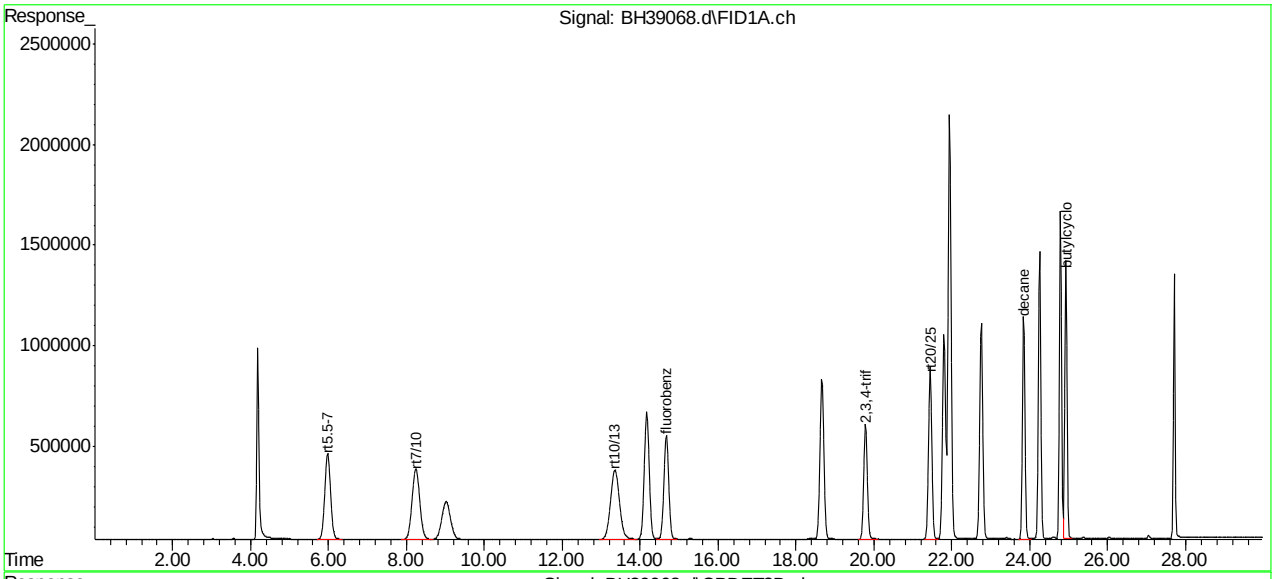
SGS ACCUTEST MC45754

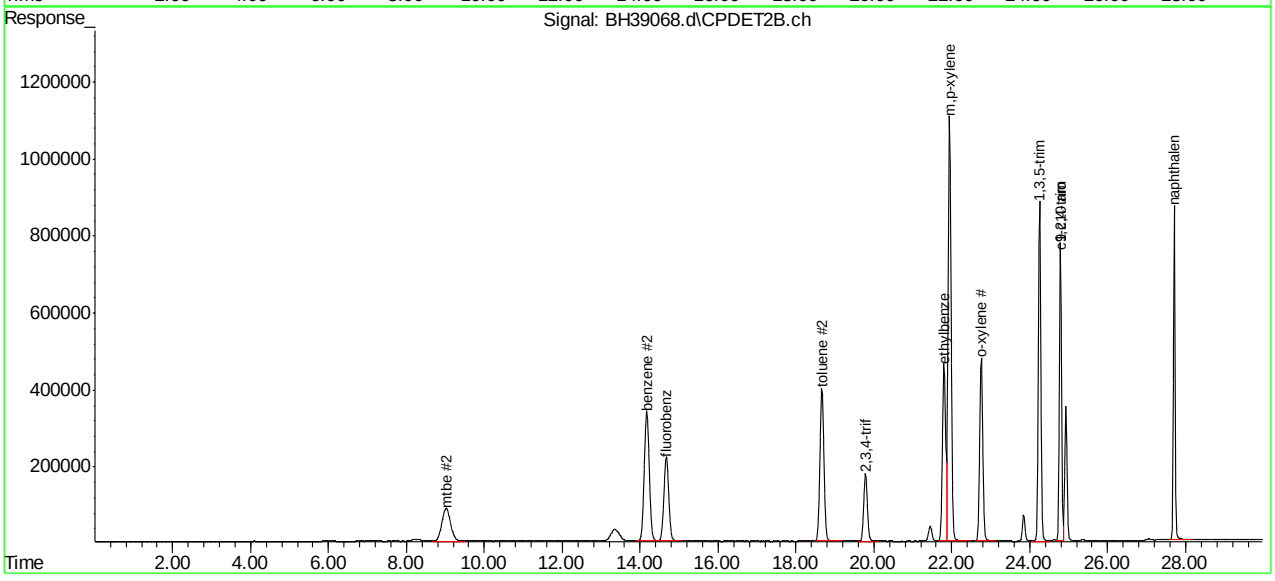
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

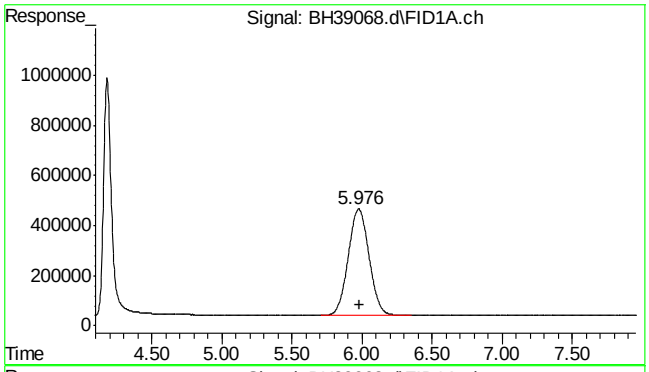
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 15:04:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



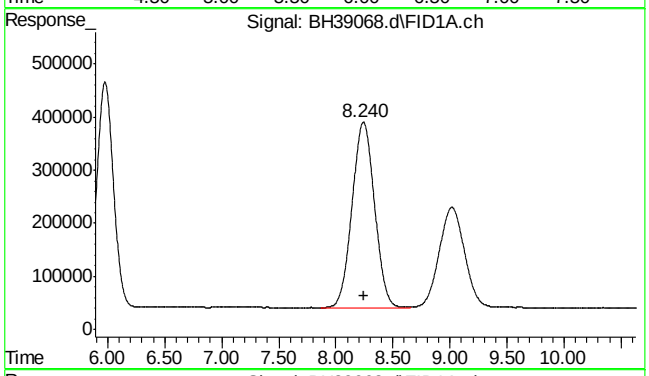


SGS ACCUTEST MC45754



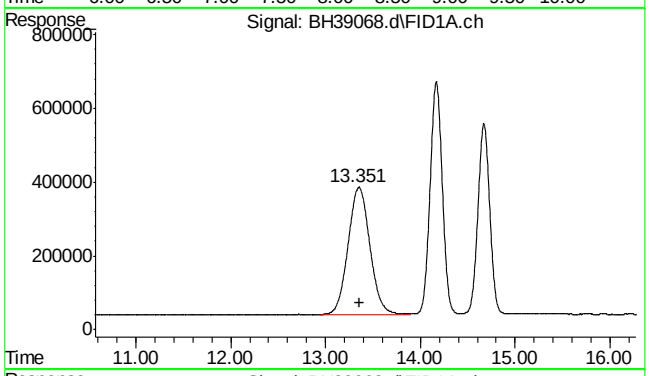
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 43811706
Conc: 42.42 ppb m



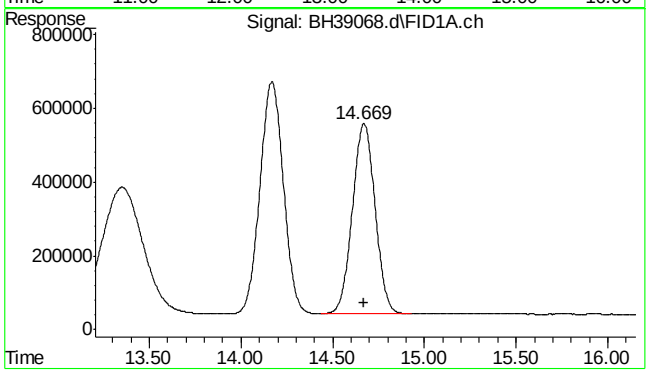
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 47891443
Conc: 46.37 ppb m



#3 rt10/13

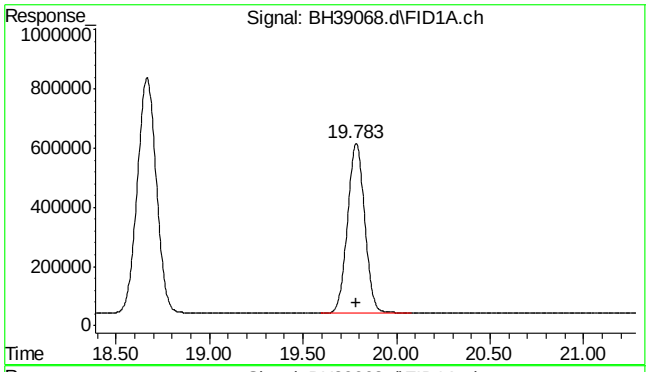
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 55554306
Conc: 53.79 ppb m



#4 fluorobenzene

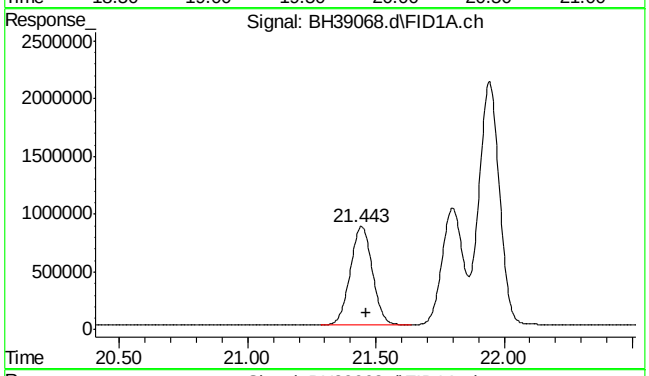
R.T.: 14.669 min
Delta R.T.: 0.000 min
Response: 44614983
Conc: 47.51 ppb m

SGS ACCUTEST MC45754



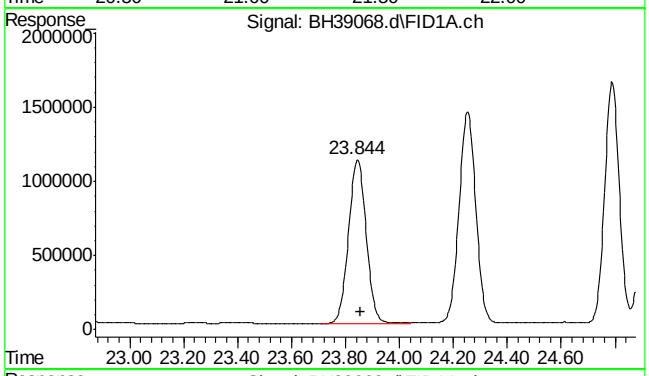
#6 2,3,4-trifluorotoluene

R.T.: 19.783 min
Delta R.T.: 0.000 min
Response: 36893456
Conc: 45.39 ppb m



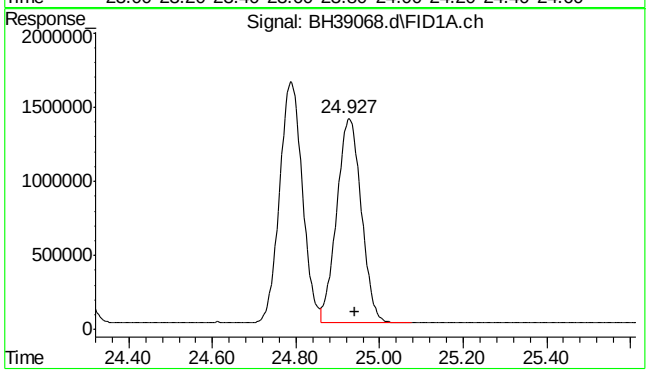
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 50846882
Conc: 42.27 ppb m



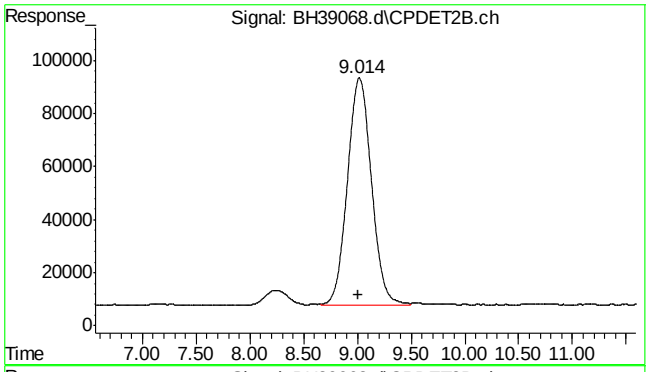
#10 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 50462628
Conc: 41.96 ppb m



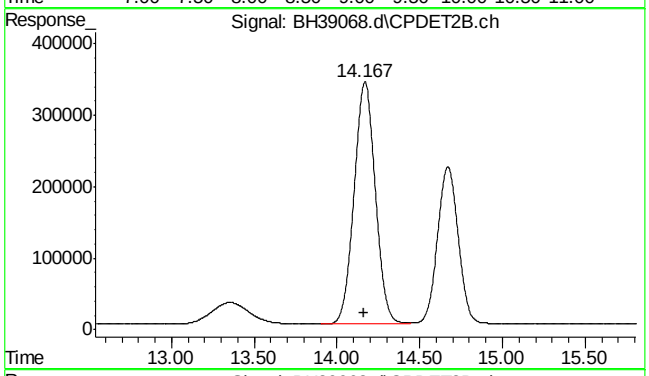
#11 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 56304959
Conc: 46.81 ppb m



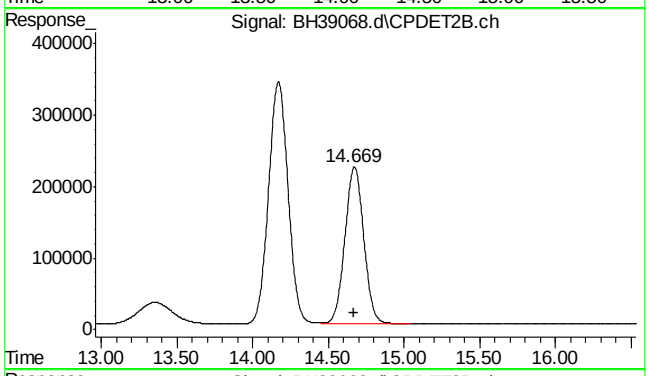
#14 mtbe #2

R.T.: 9.014 min
Delta R.T.: 0.001 min
Response: 13367156
Conc: 47.54 ppb m



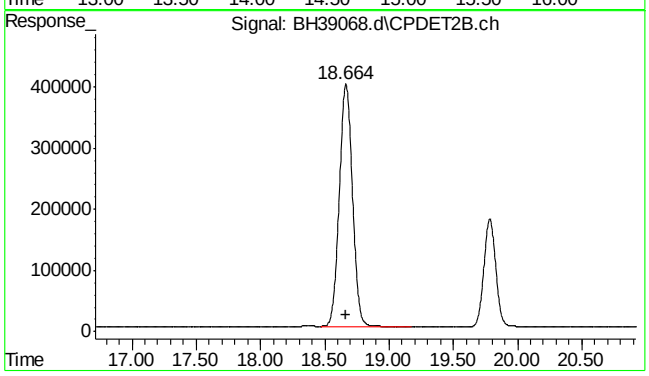
#15 benzene #2

R.T.: 14.167 min
Delta R.T.: 0.001 min
Response: 30424393
Conc: 46.26 ppb m



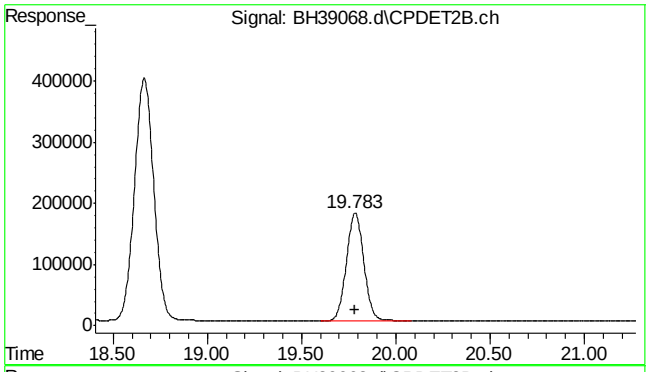
#16 fluorobenzene #2

R.T.: 14.669 min
Delta R.T.: 0.001 min
Response: 19094327
Conc: 46.98 ppb m



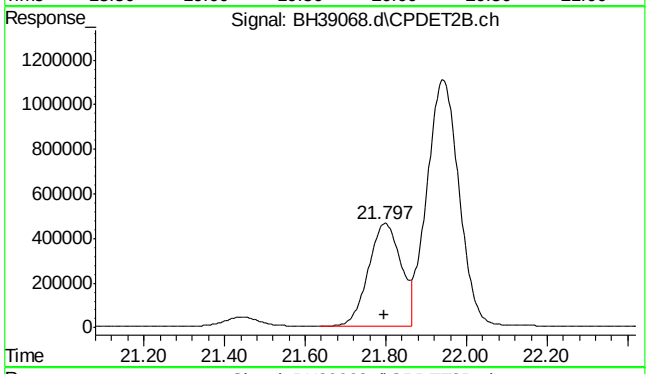
#17 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 28373340
Conc: 46.01 ppb m



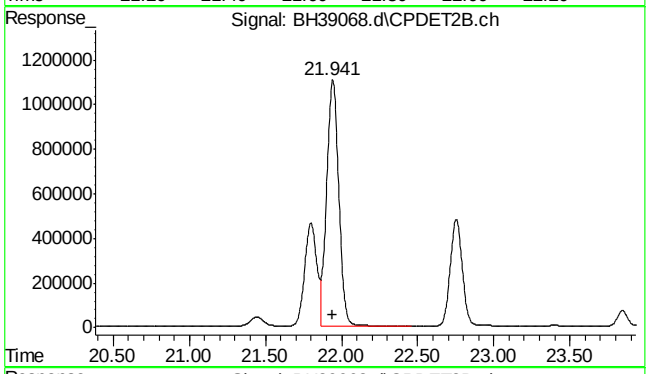
#18 2,3,4-trifluorotoluene #2

R.T.: 19.783 min
Delta R.T.: 0.000 min
Response: 11394429
Conc: 44.86 ppb m



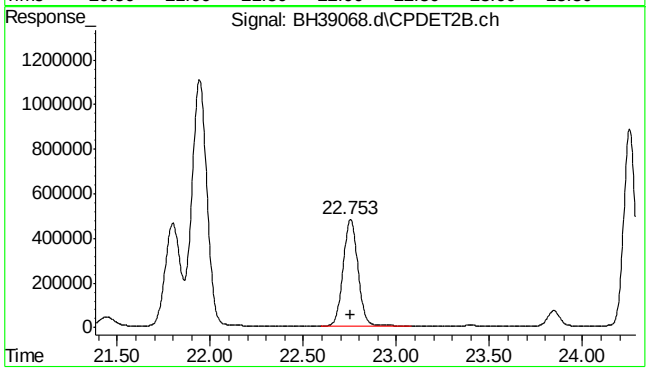
#19 ethylbenzene #2

R.T.: 21.797 min
Delta R.T.: 0.000 min
Response: 25470023
Conc: 46.55 ppb m



#20 m,p-xylene #2

R.T.: 21.941 min
Delta R.T.: 0.000 min
Response: 61648428
Conc: 92.42 ppb m



#21 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 26324995
Conc: 45.22 ppb m

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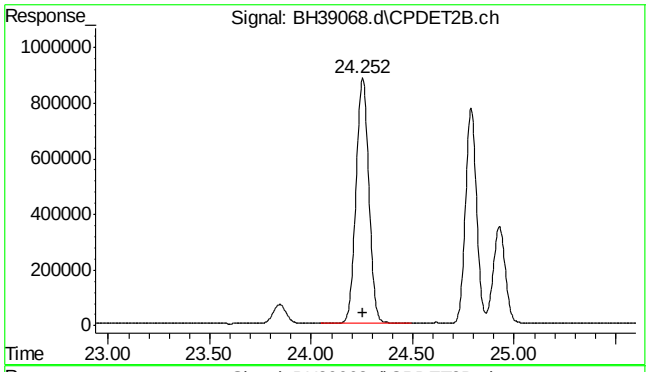
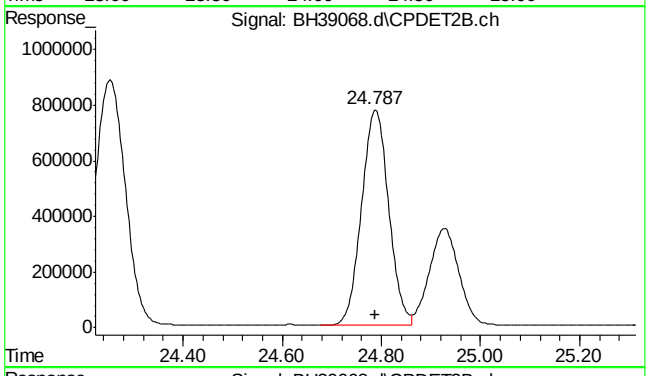


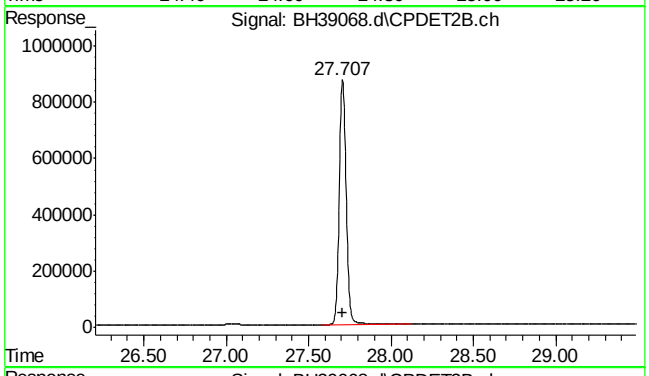
#22 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 38855573
Conc: 46.50 ppb m



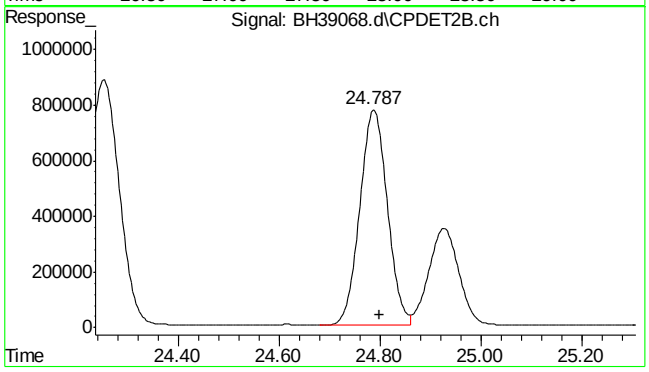
#23 1,2,4-trimethylbenzene #2

R.T.: 24.787 min
Delta R.T.: 0.000 min
Response: 29522286
Conc: 45.83 ppb m



#24 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.001 min
Response: 26050435
Conc: 47.65 ppb m



#25 c9-c10 arom as 1,2,4-tmb

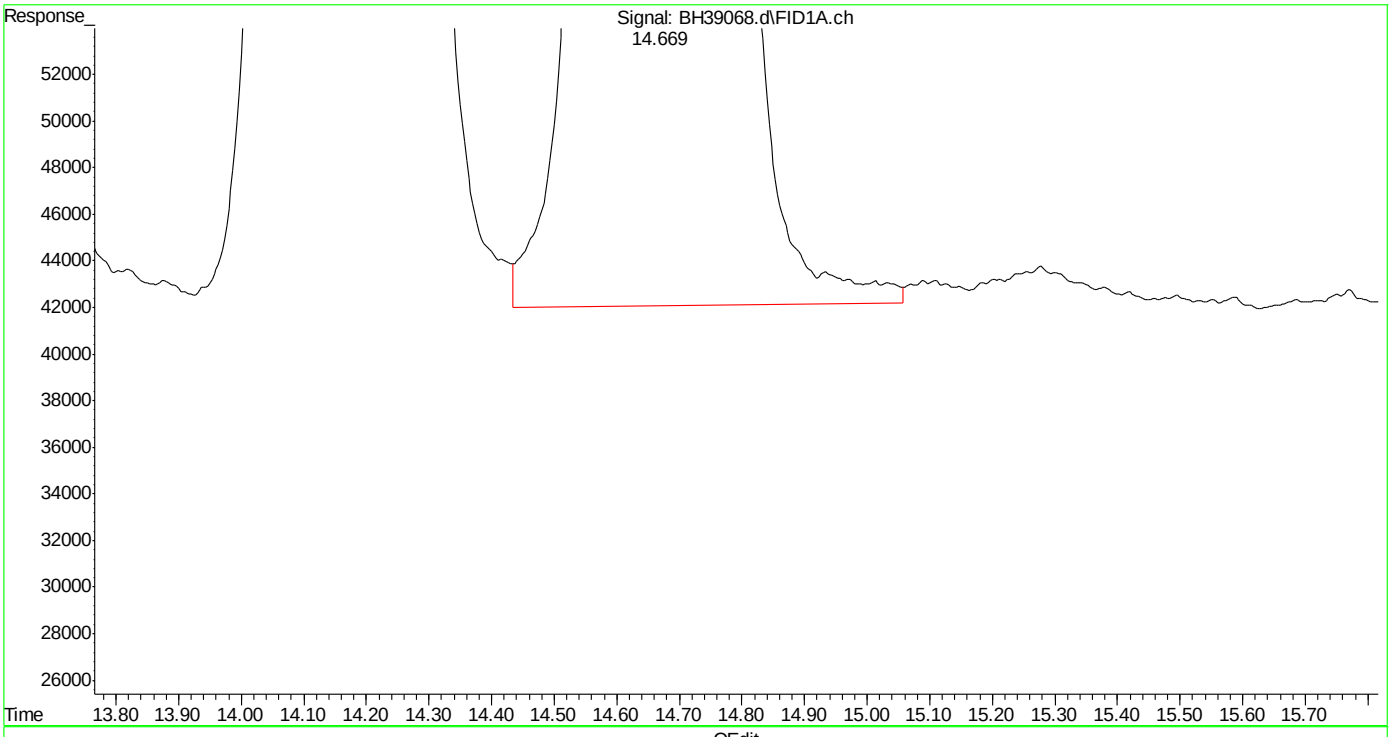
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 29530406
Conc: 45.85 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 47.740 ppb
response 44826212

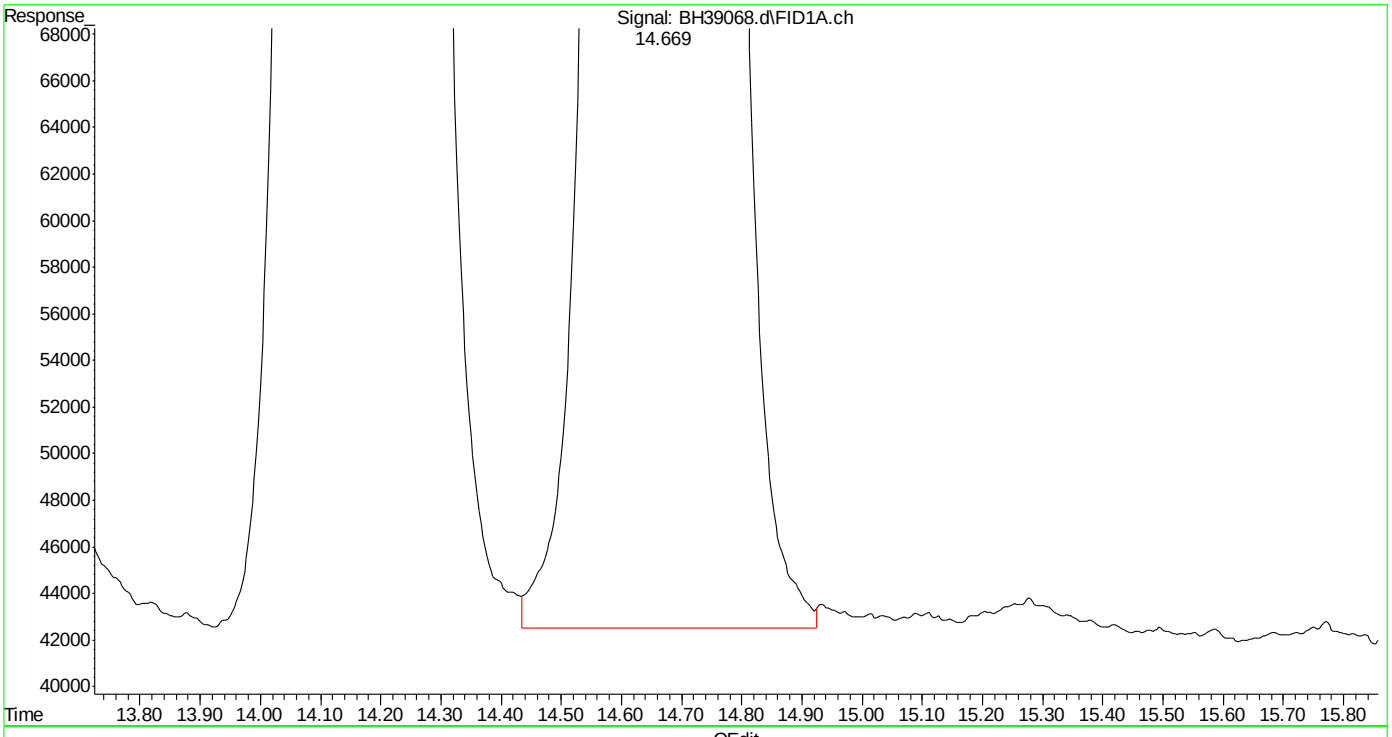
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.669min 47.515 ppb m
response 44614983

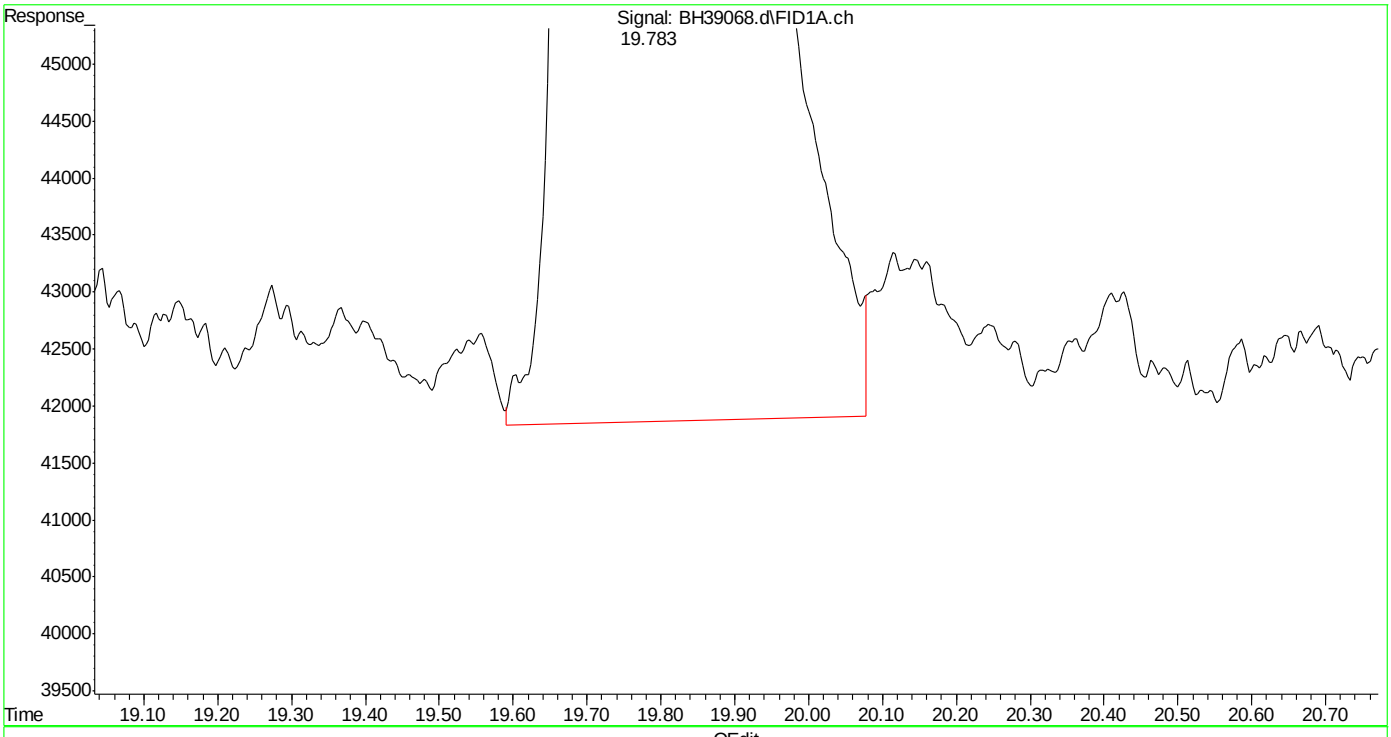
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:23 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 45.417 ppb
response 36918709

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:29 2016

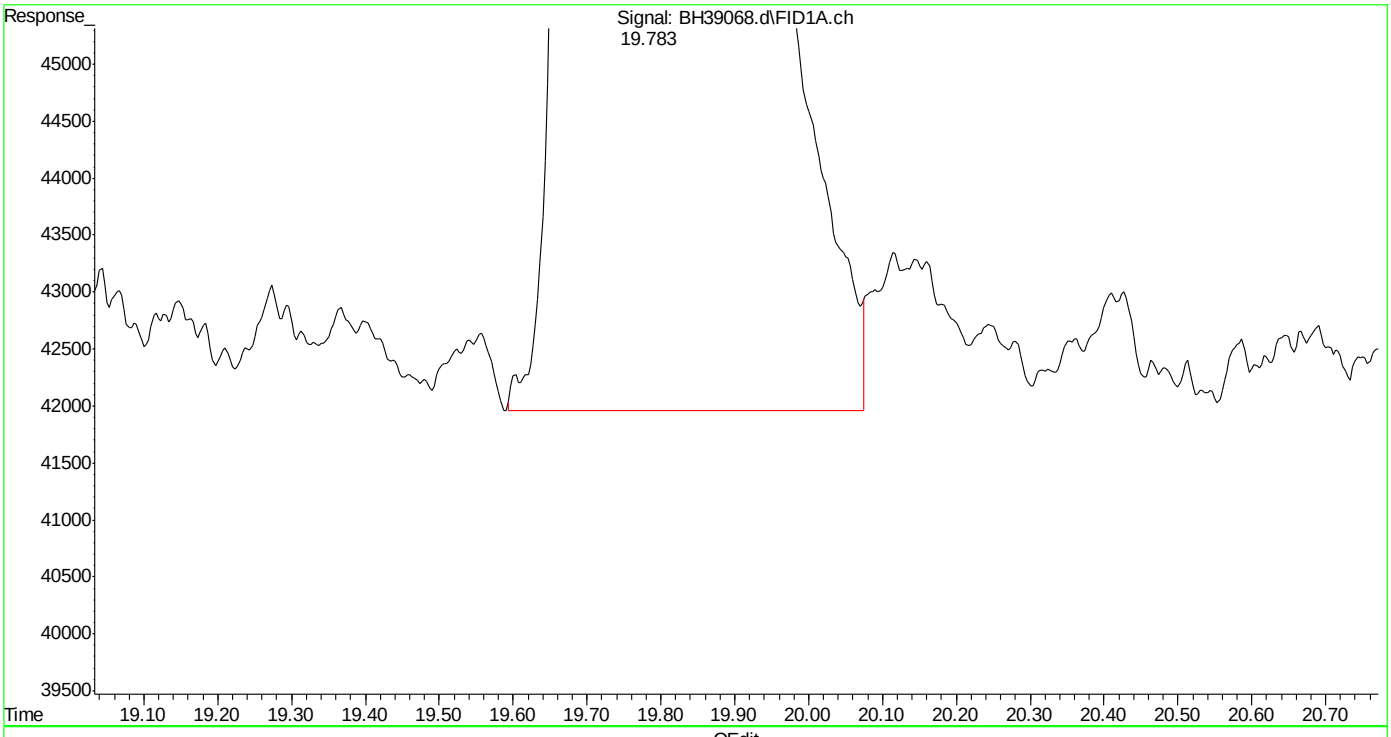
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.783min 45.386 ppb m
response 36893456

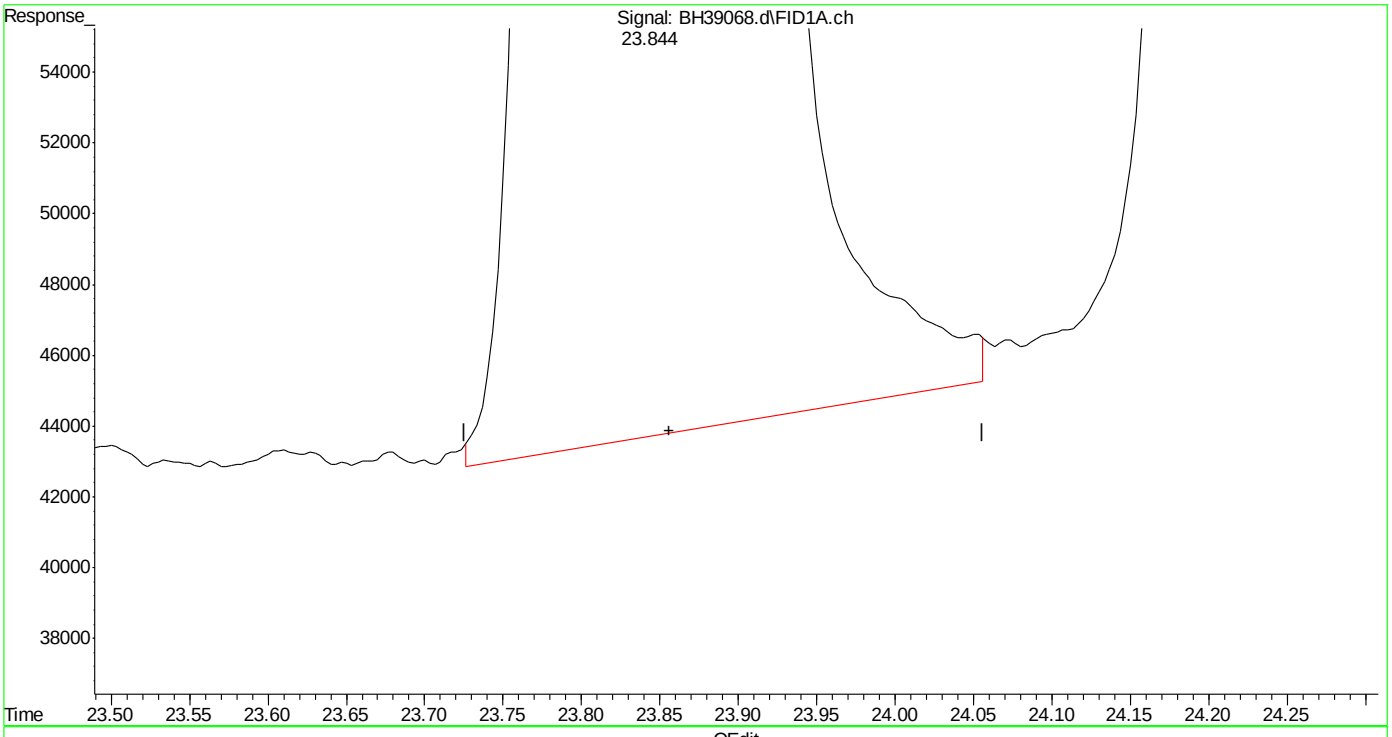
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:35 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 41.791 ppb
response 50264773

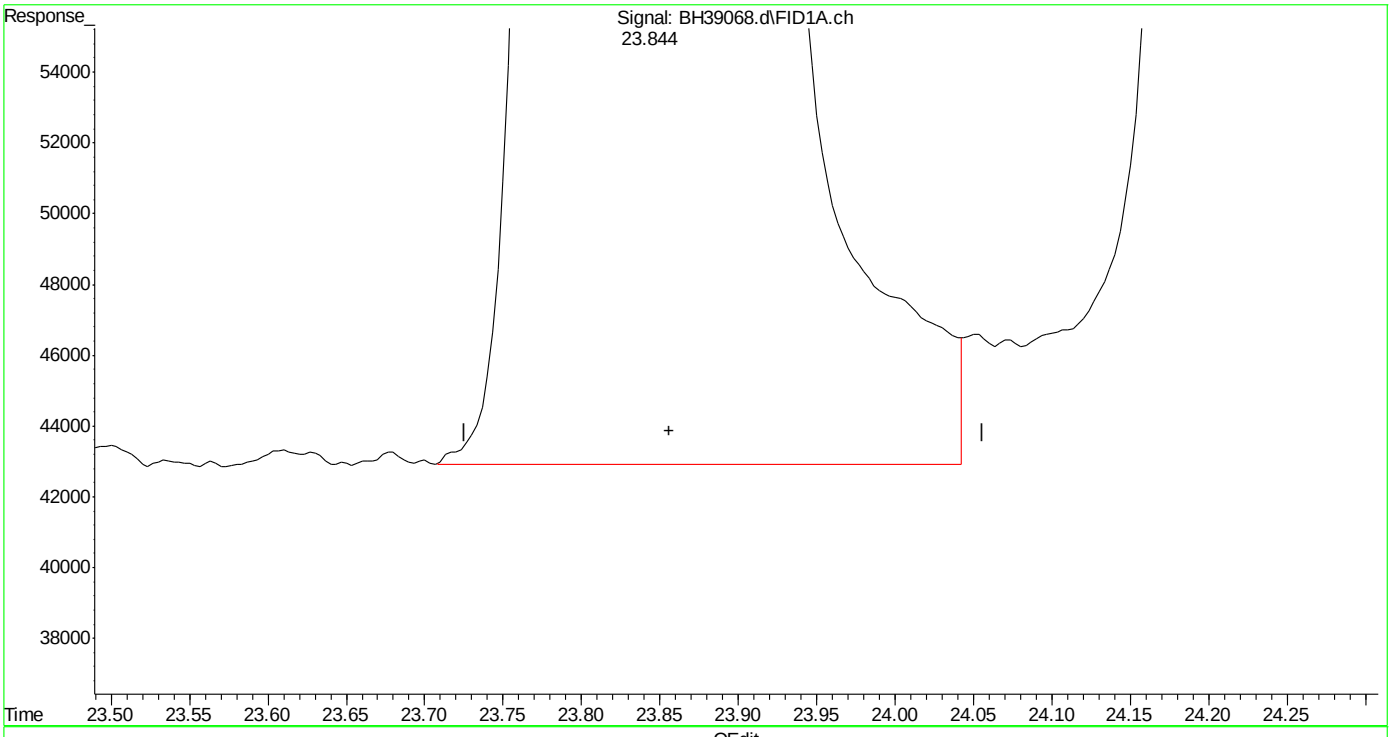
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 41.956 ppb m
response 50462628

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:56 2016

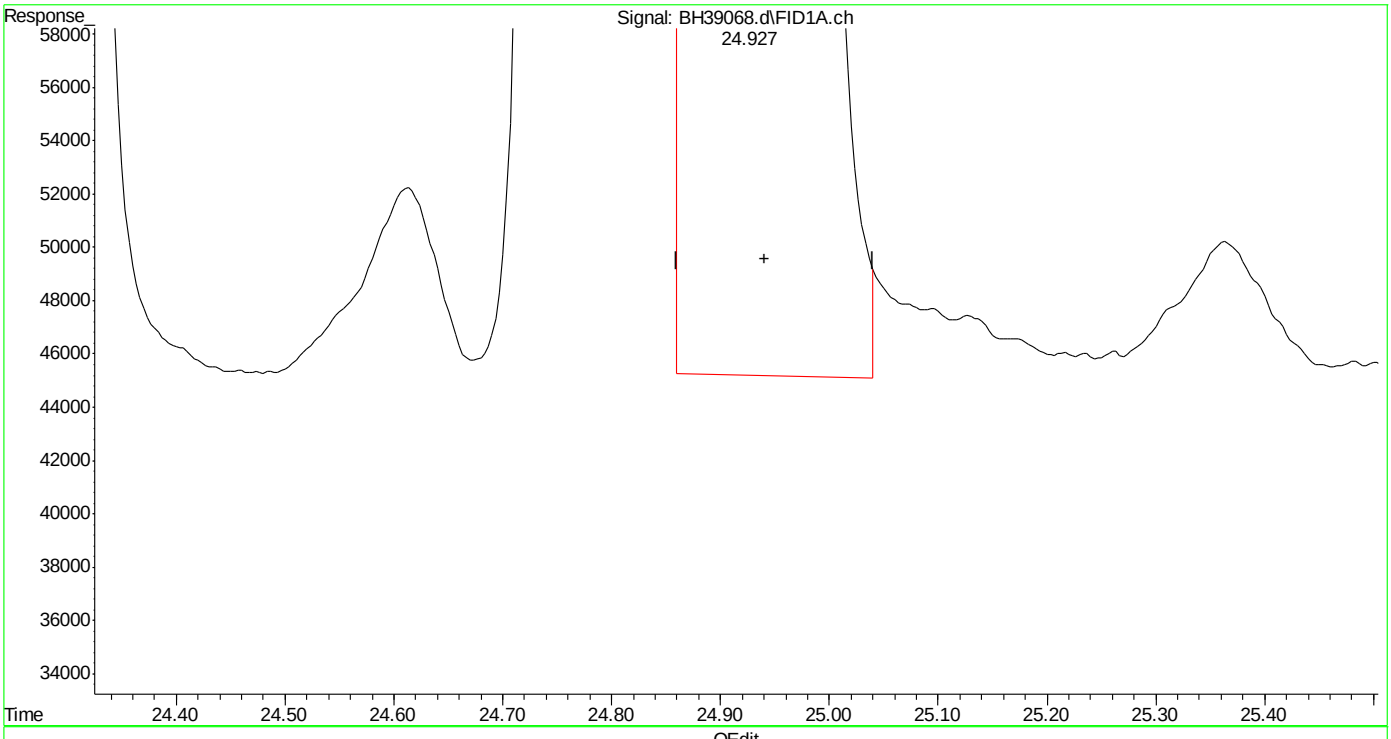
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 46.528 ppb
response 55961817

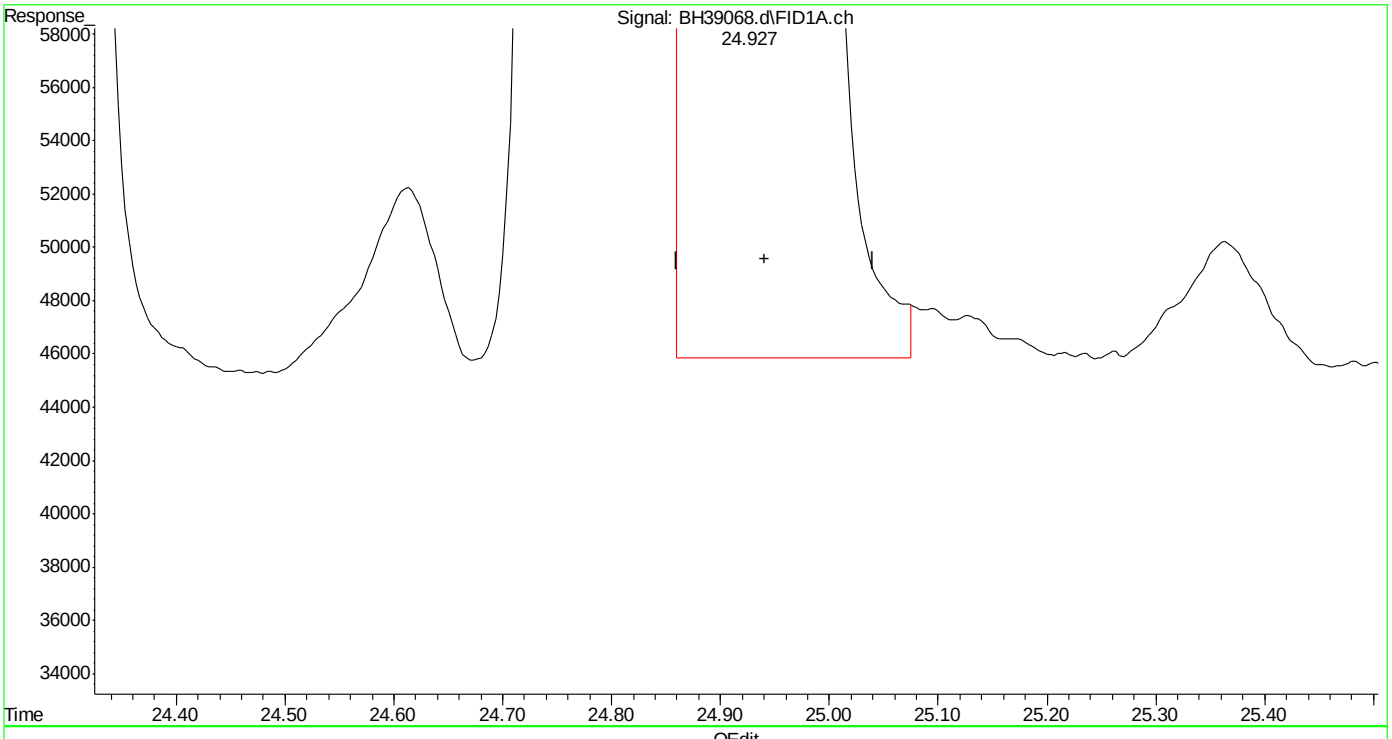
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 46.813 ppb m
response 56304959

(+) = Expected Retention Time

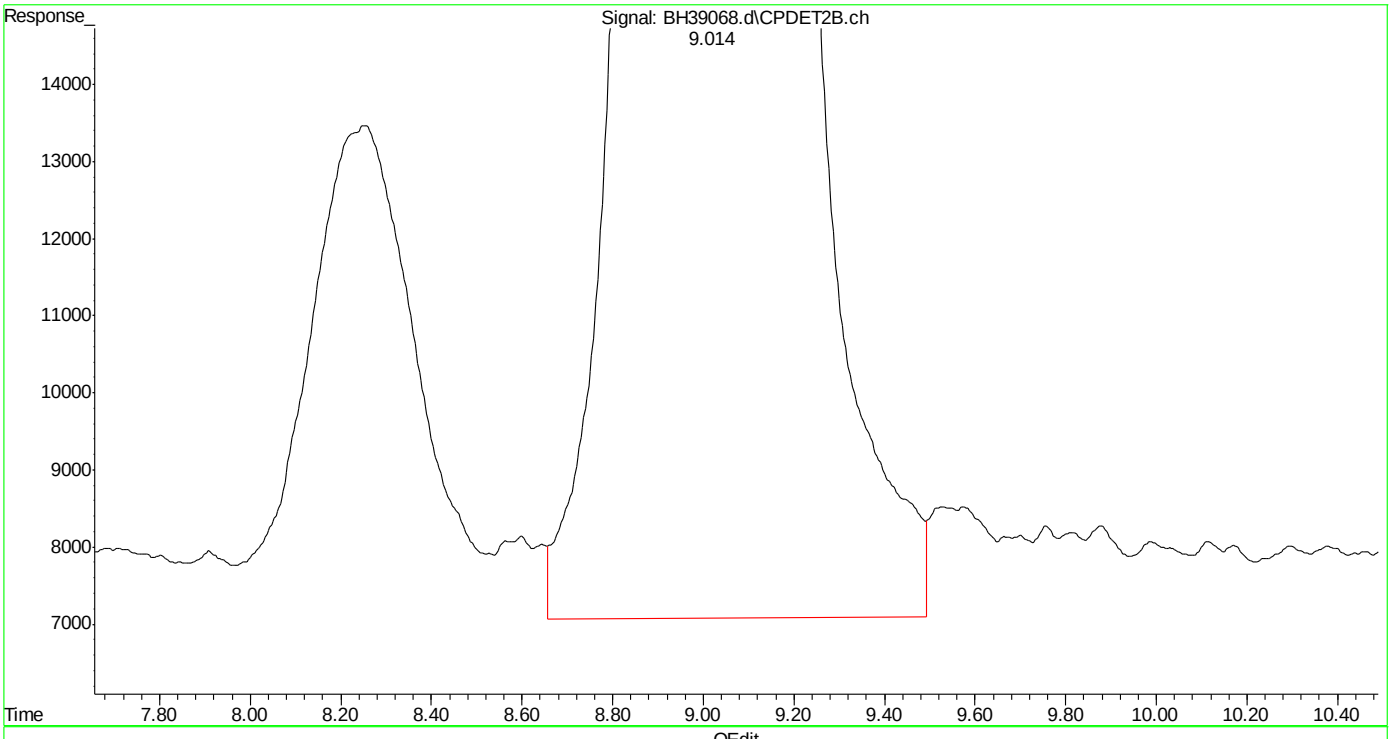
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.016min 48.715 ppb
response 13698579

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:13 2016

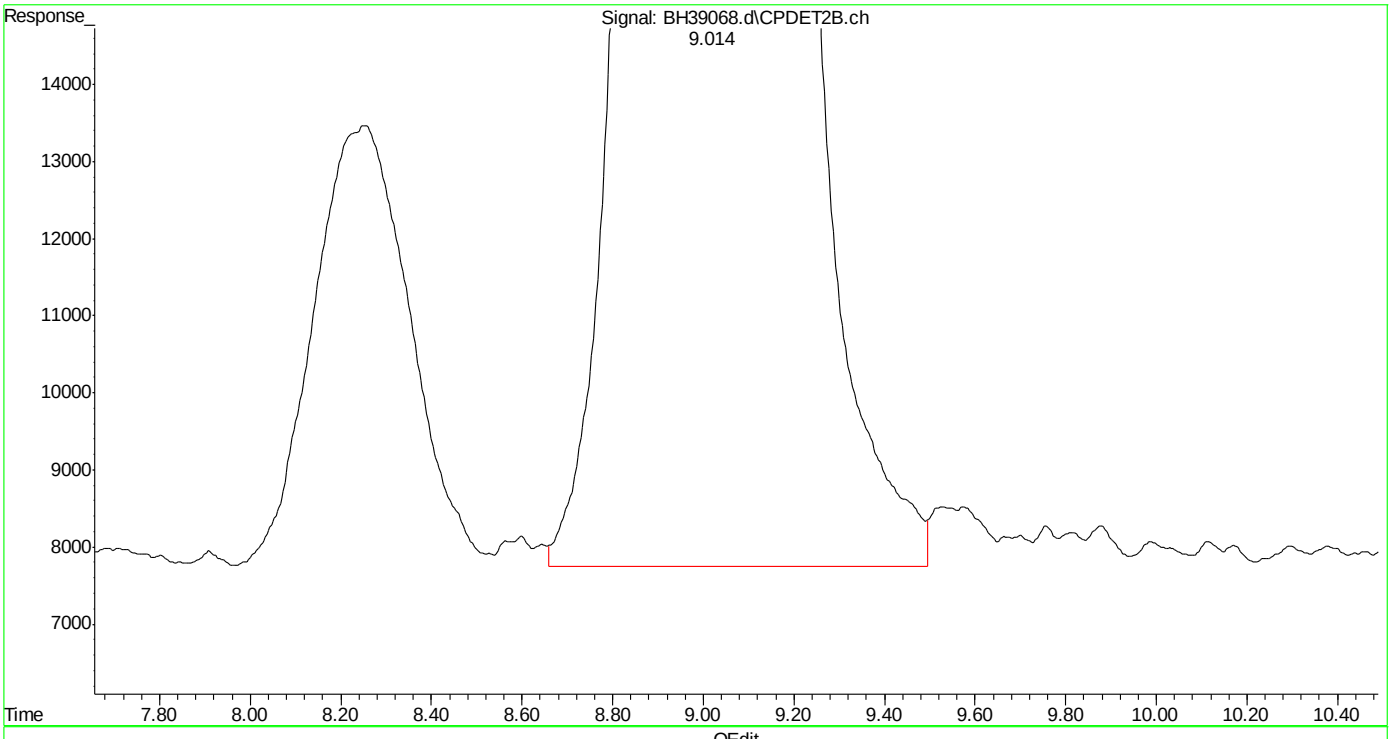
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.014min 47.536 ppb m
response 13367156

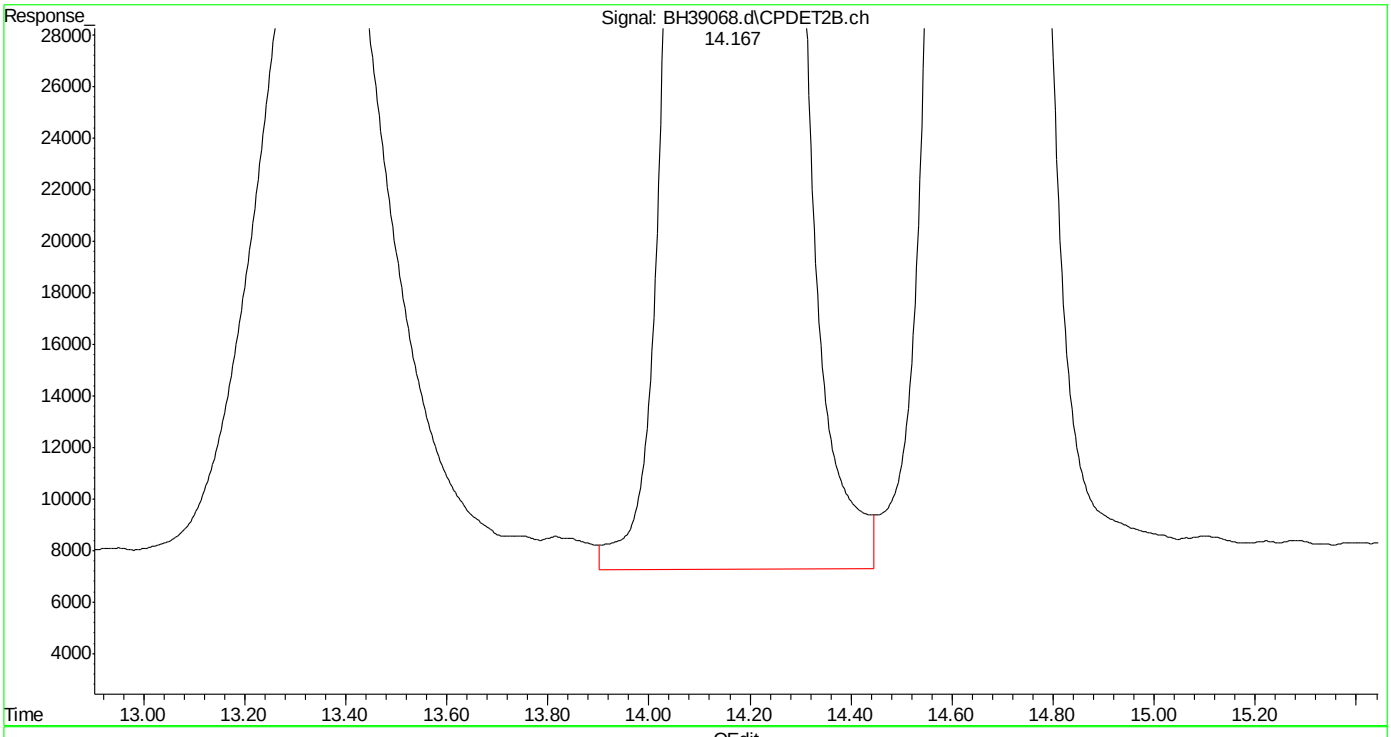
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:20 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.169min 46.611 ppb
response 30655000

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:24 2016

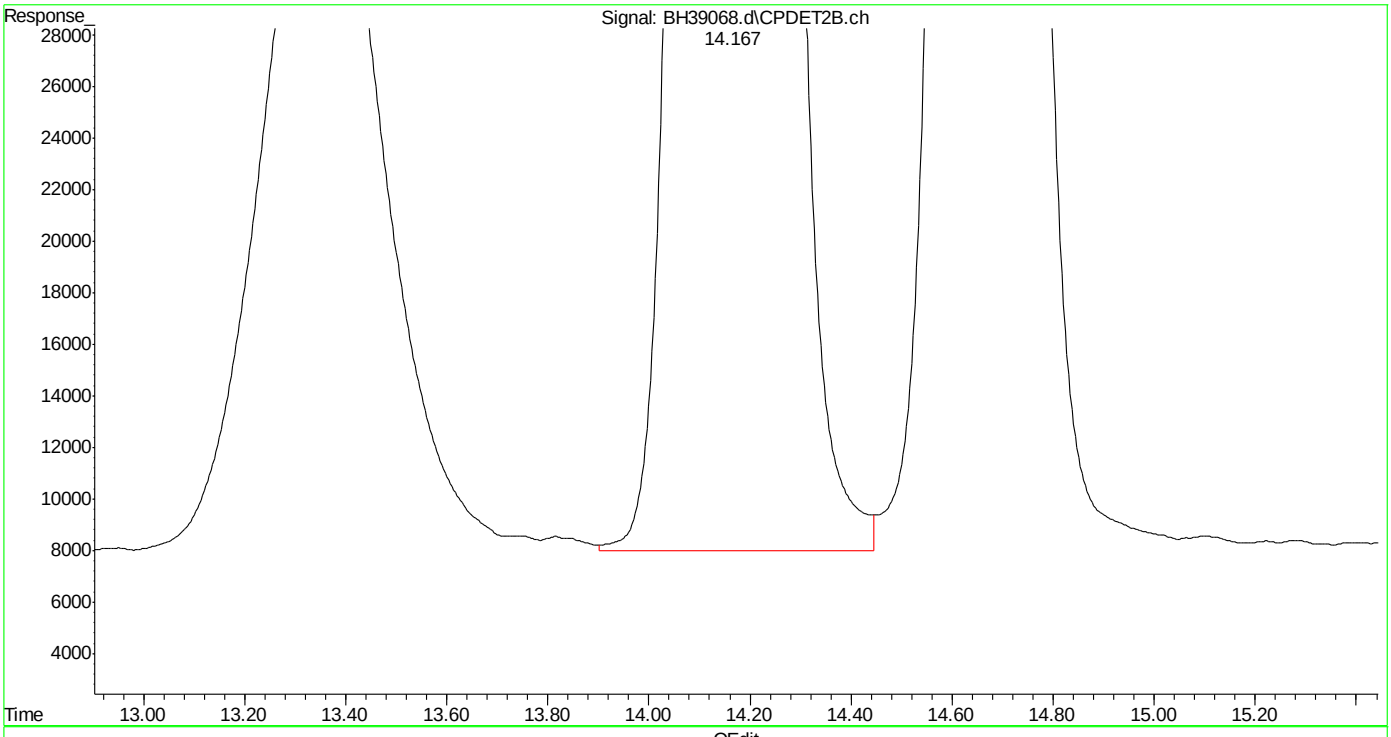
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   2:17 pm
Operator  : danielf
Sample    : icv2295-50
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 10   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title  : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(15) benzene #2 (t)

14.167min 46.260 ppb m

response 30424393

(+) = Expected Retention Time

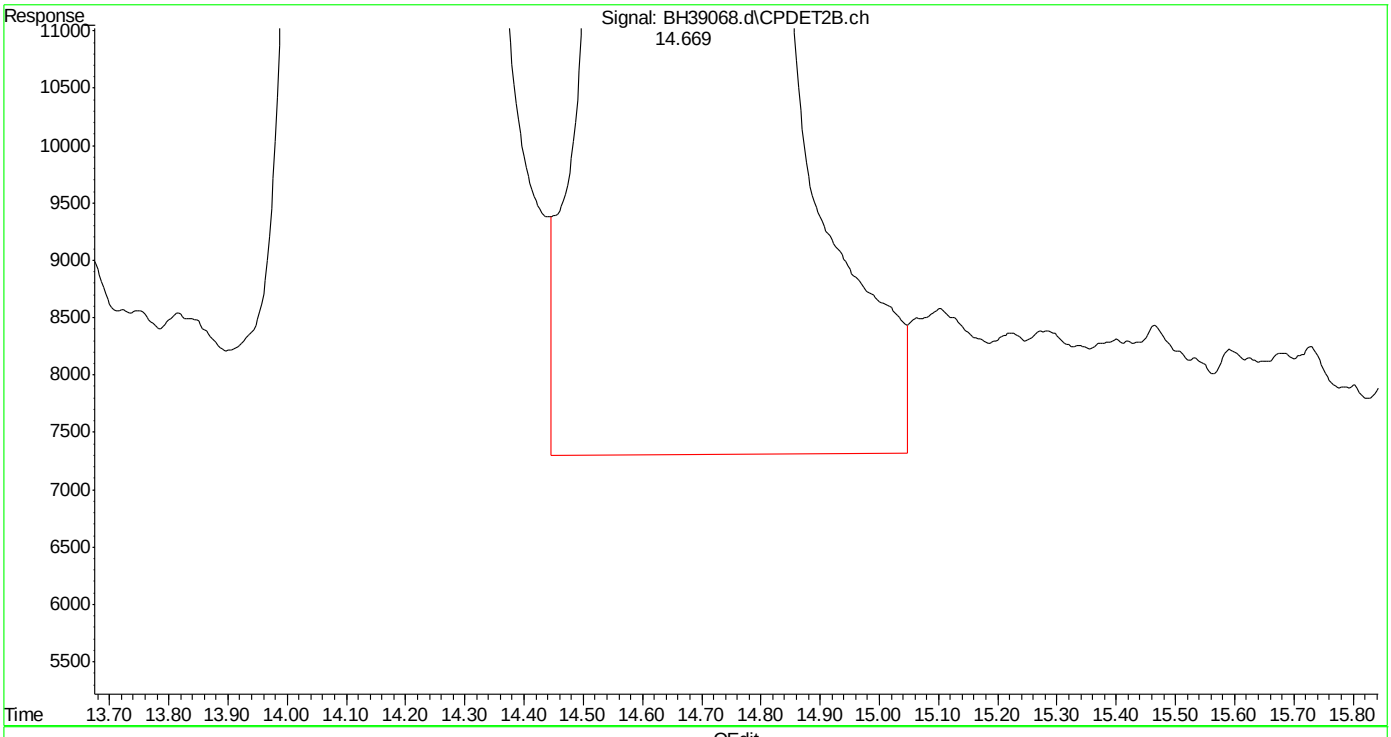
bh160420vph.m Wed Apr 20 15:02:34 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 47.800 ppb
response 19426568

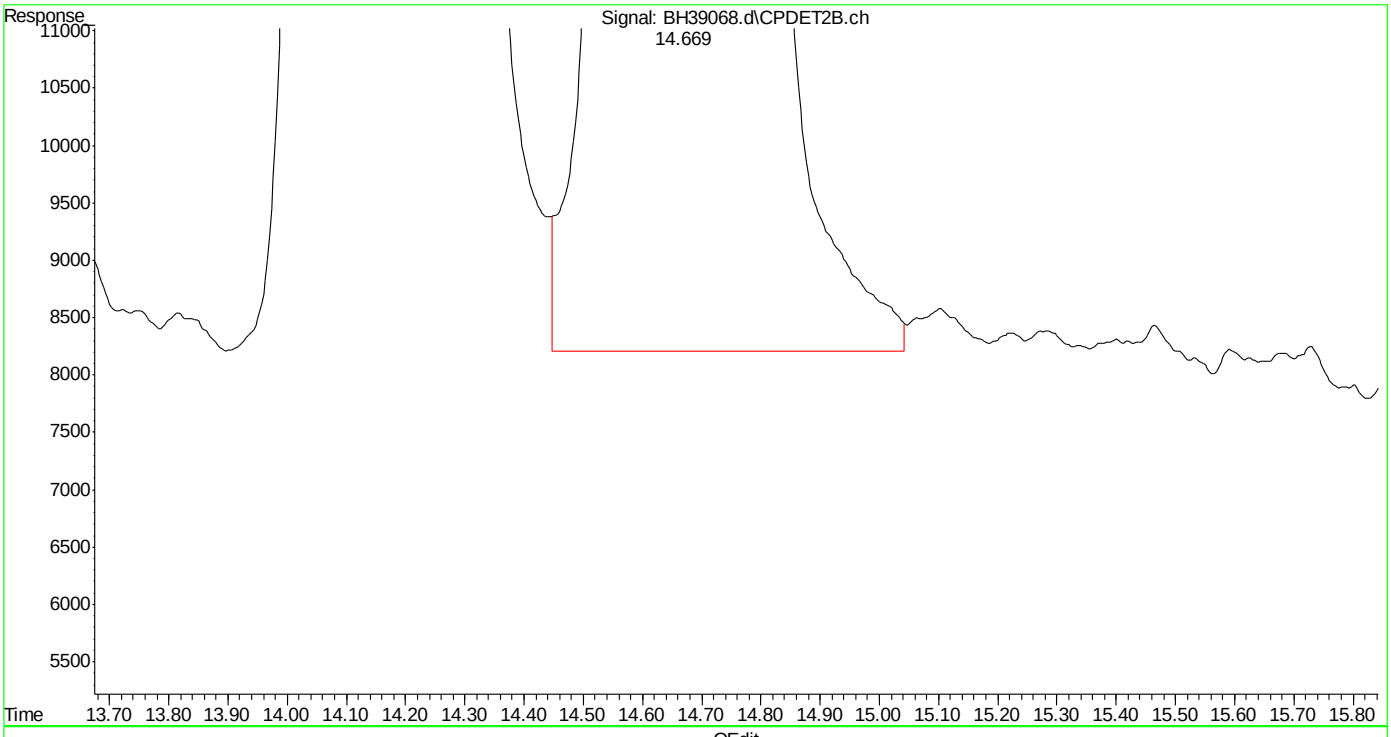
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:39 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.669min 46.982 ppb m
response 19094327

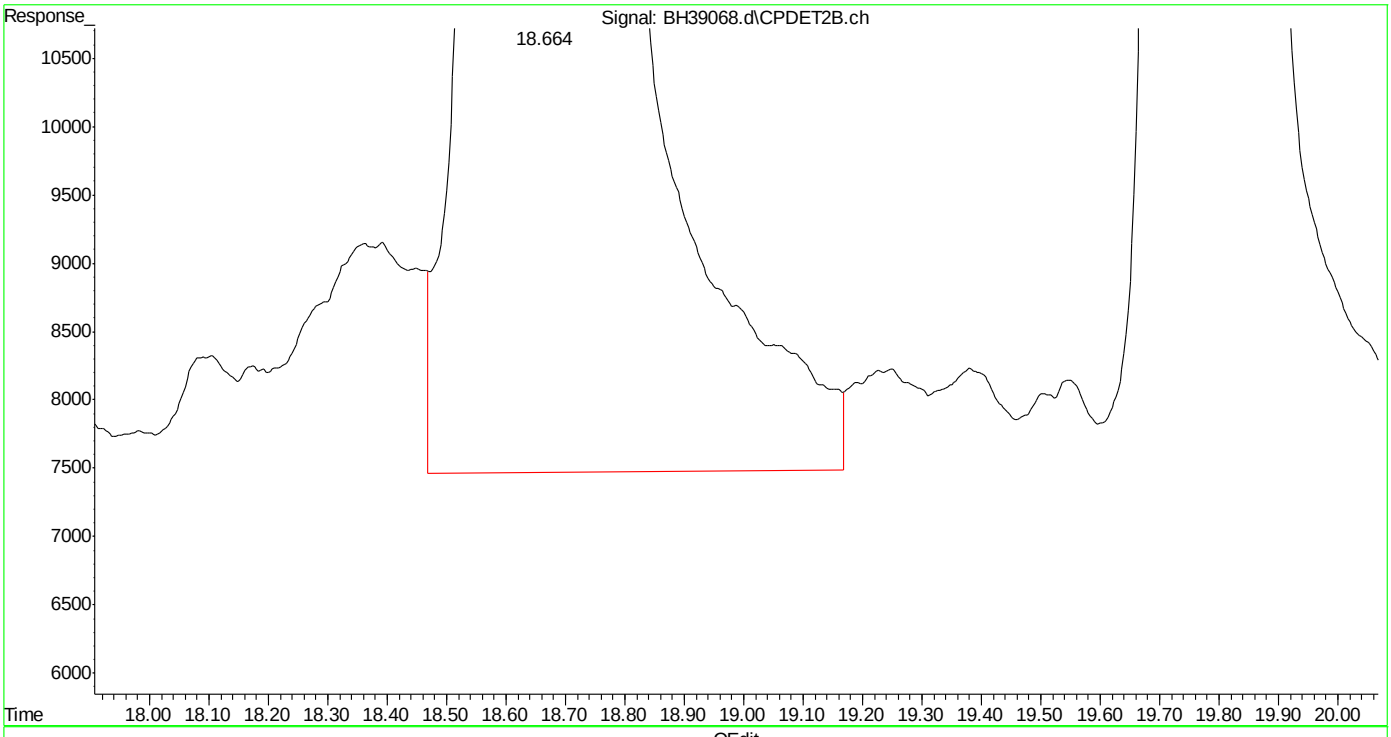
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 46.392 ppb
response 28609152

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:50 2016

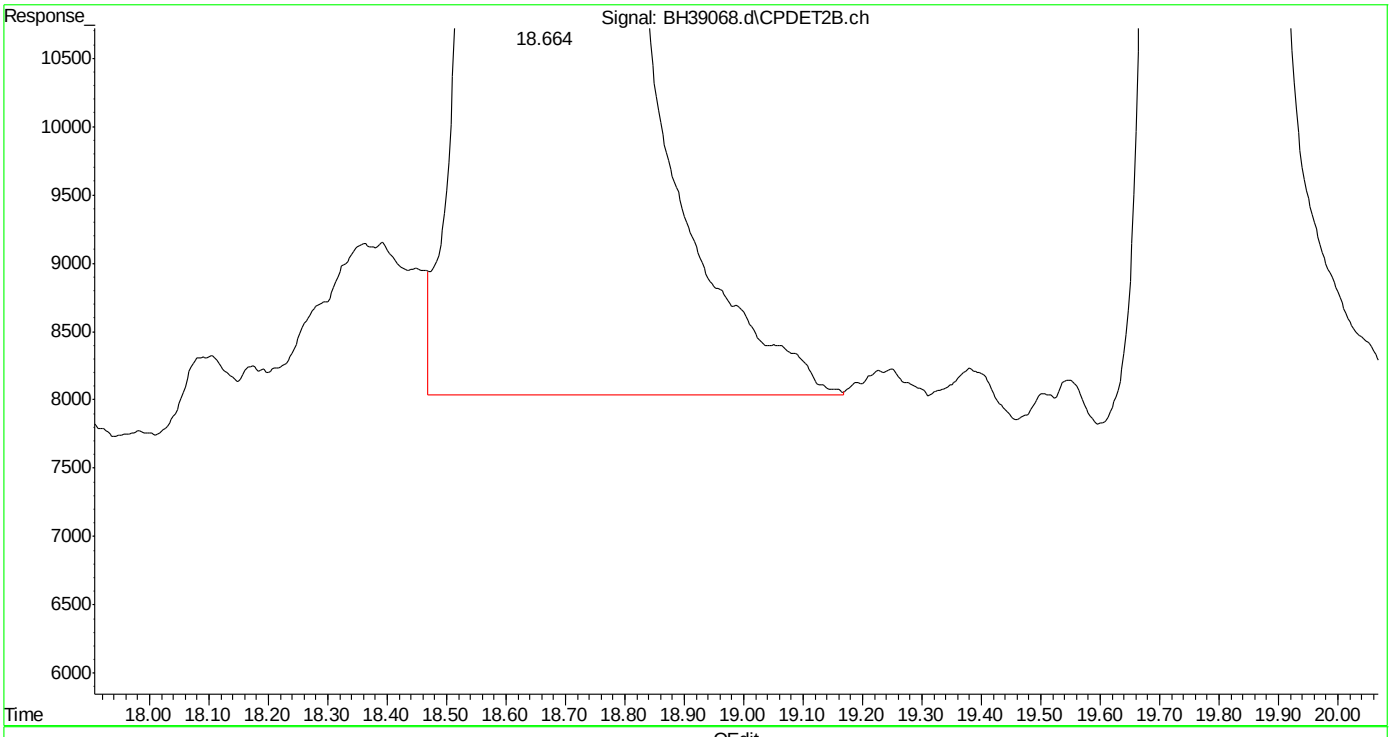
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 46.009 ppb m
response 28373340

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:56 2016

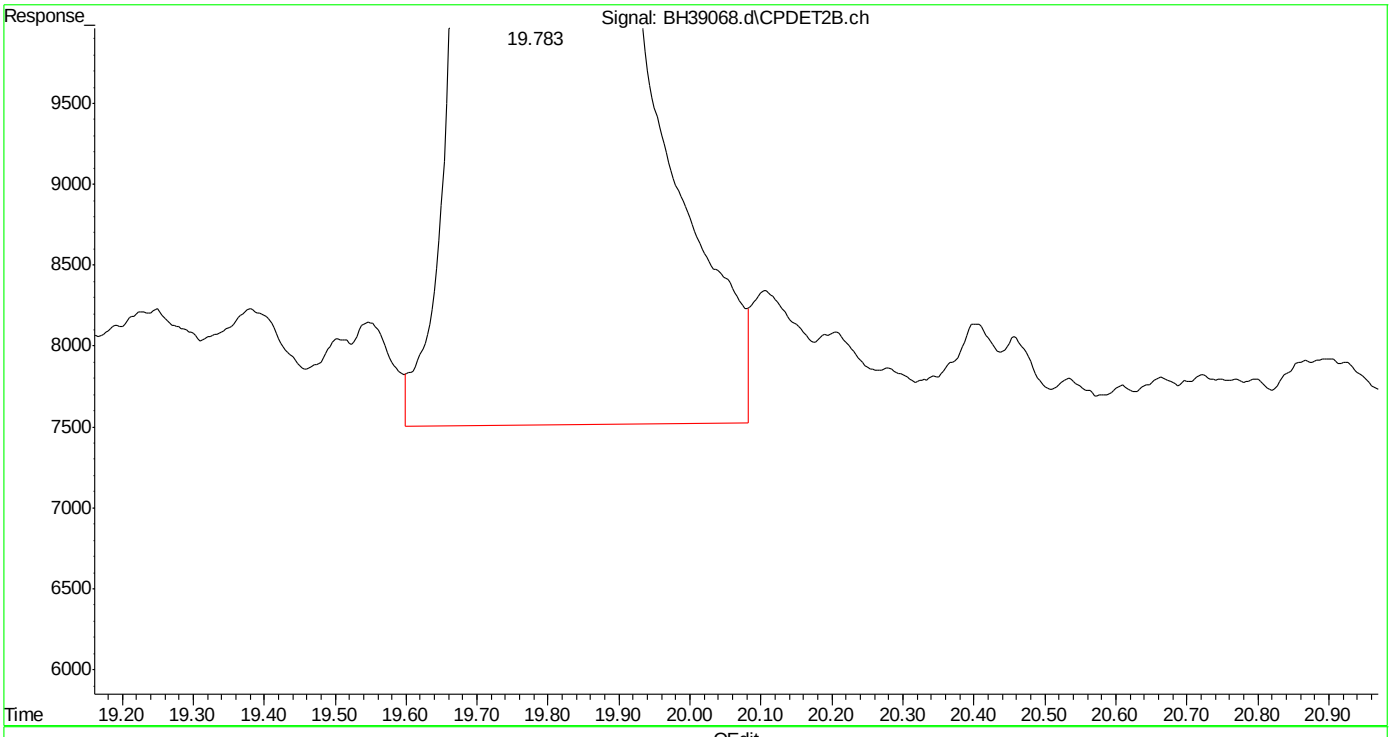
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 45.215 ppb
response 11483572

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:00 2016

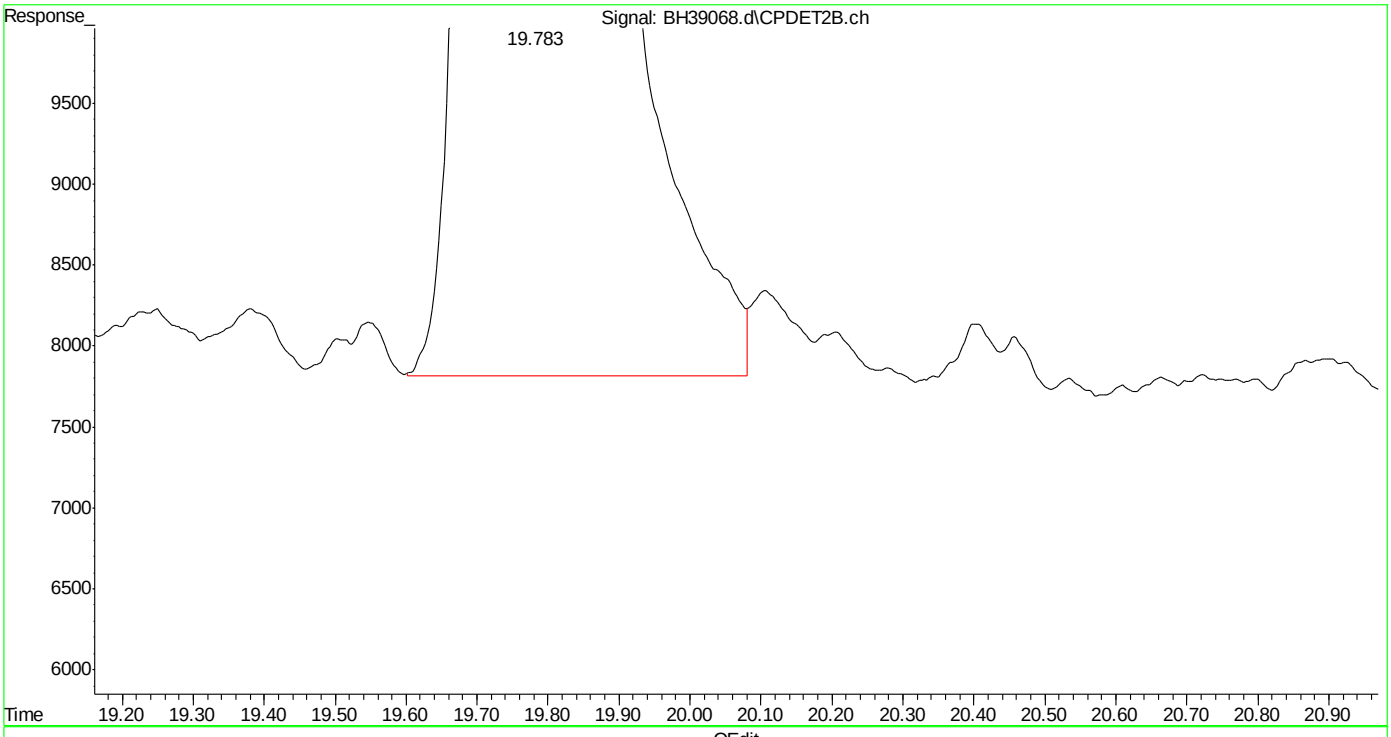
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.783min 44.864 ppb m
response 11394429

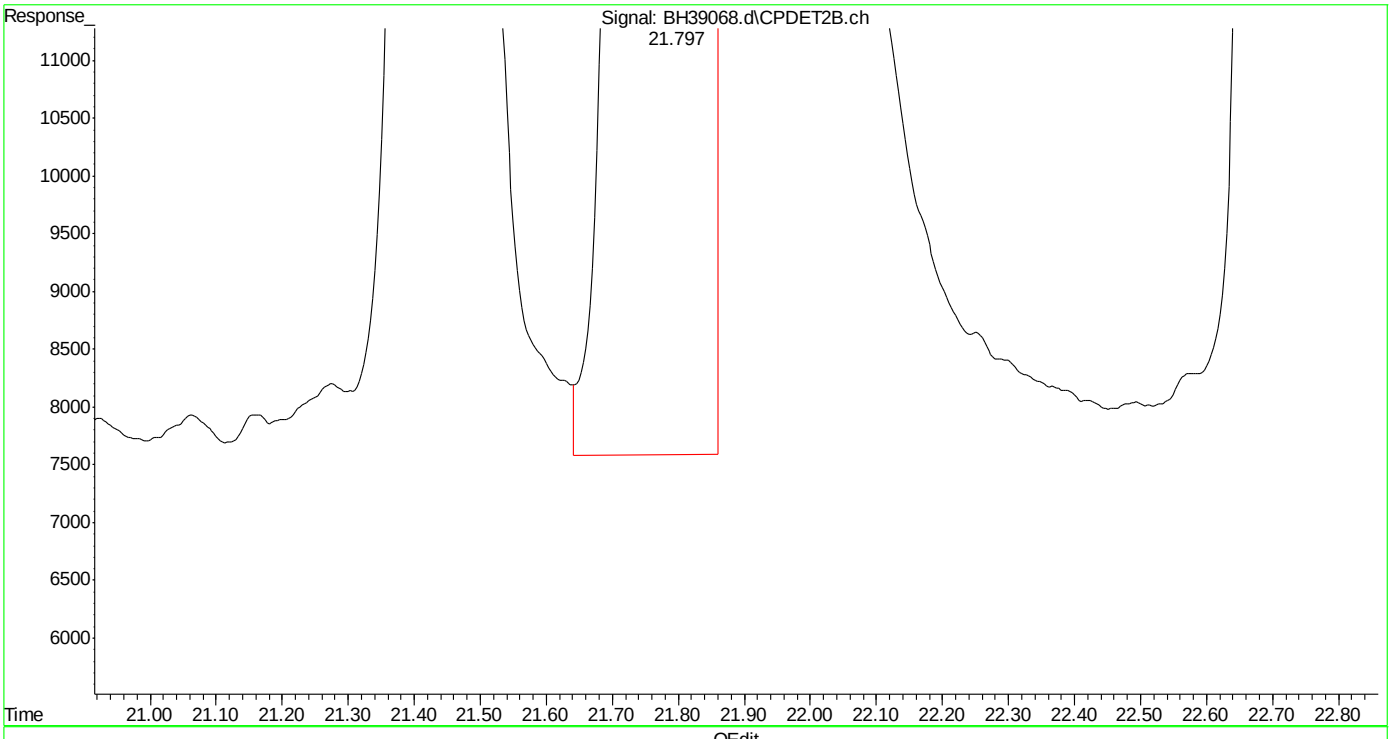
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) ethylbenzene #2 (t)
21.799min 46.178 ppb
response 25266958

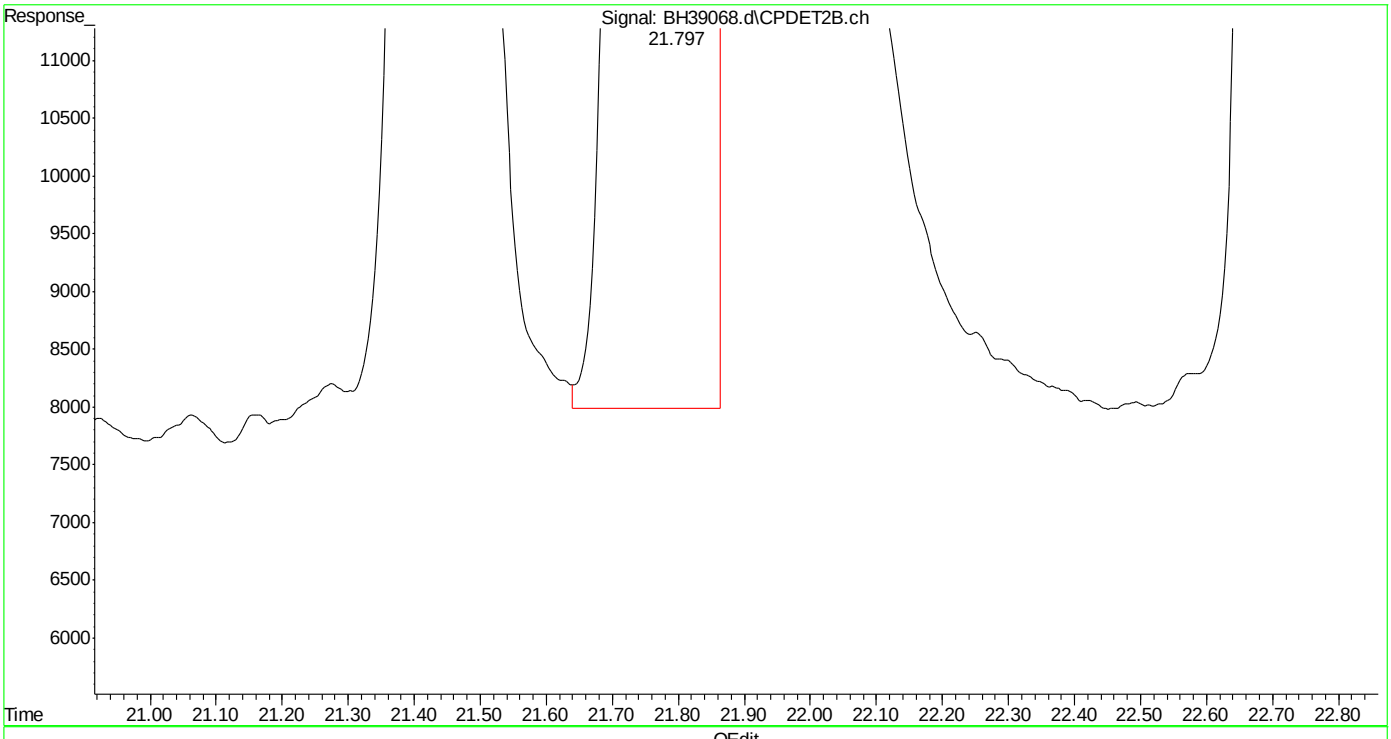
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) ethylbenzene #2 (t)
21.797min 46.549 ppb m
response 25470023

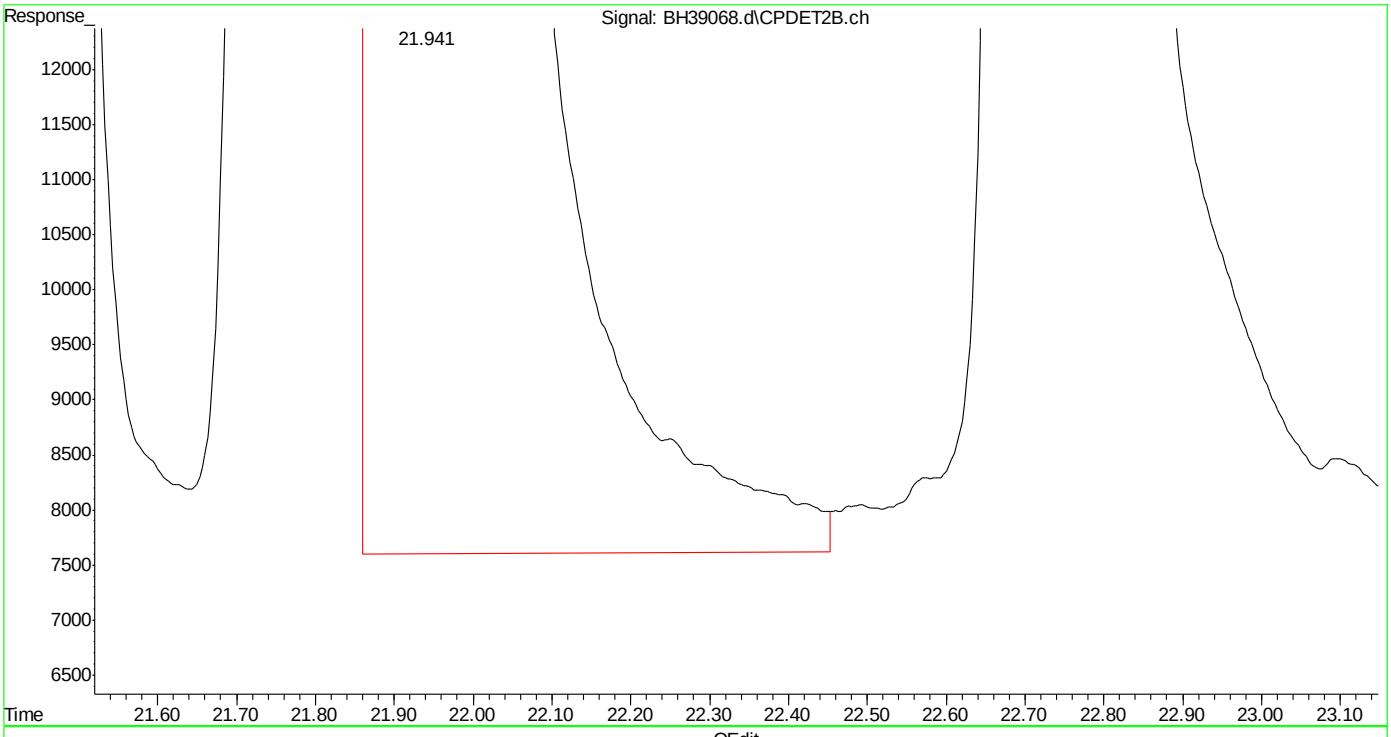
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:19 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.943min 93.057 ppb
response 62072715

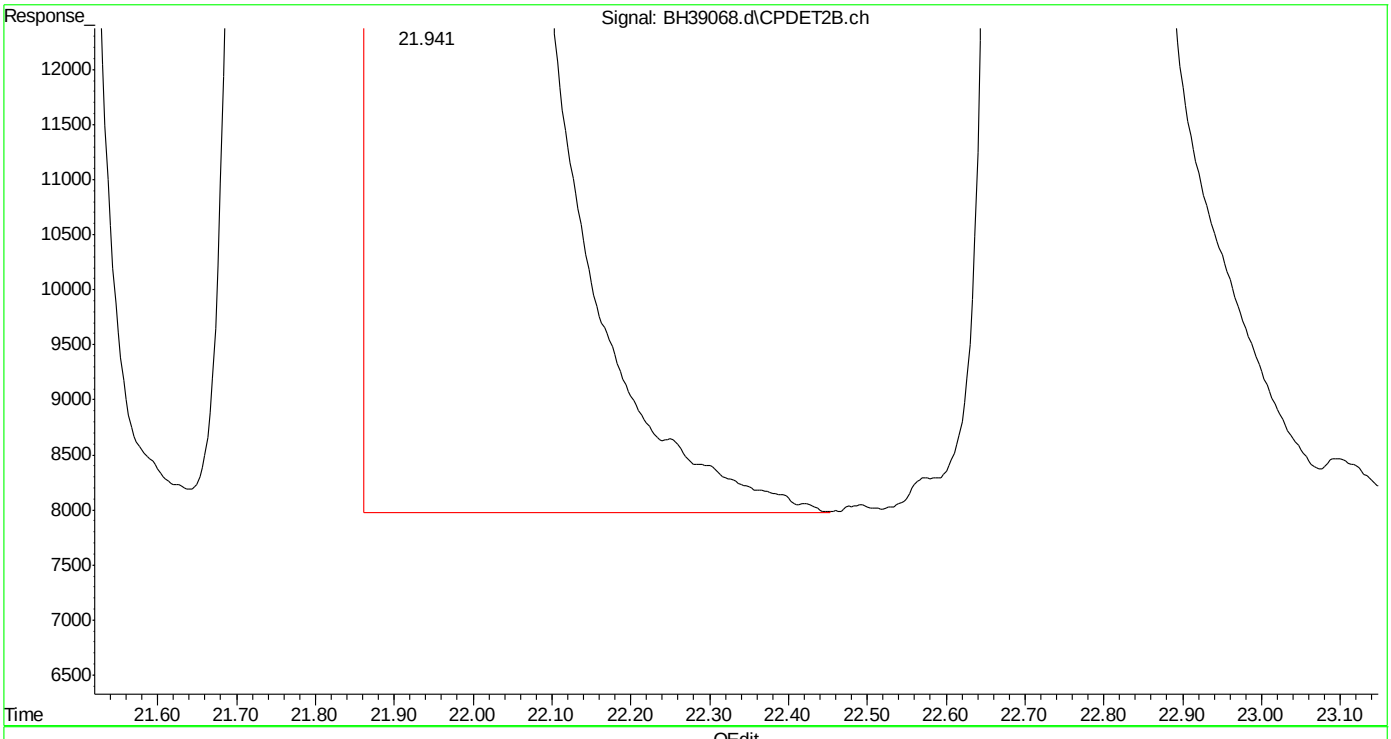
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:24 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.941min 92.421 ppb m
response 61648428

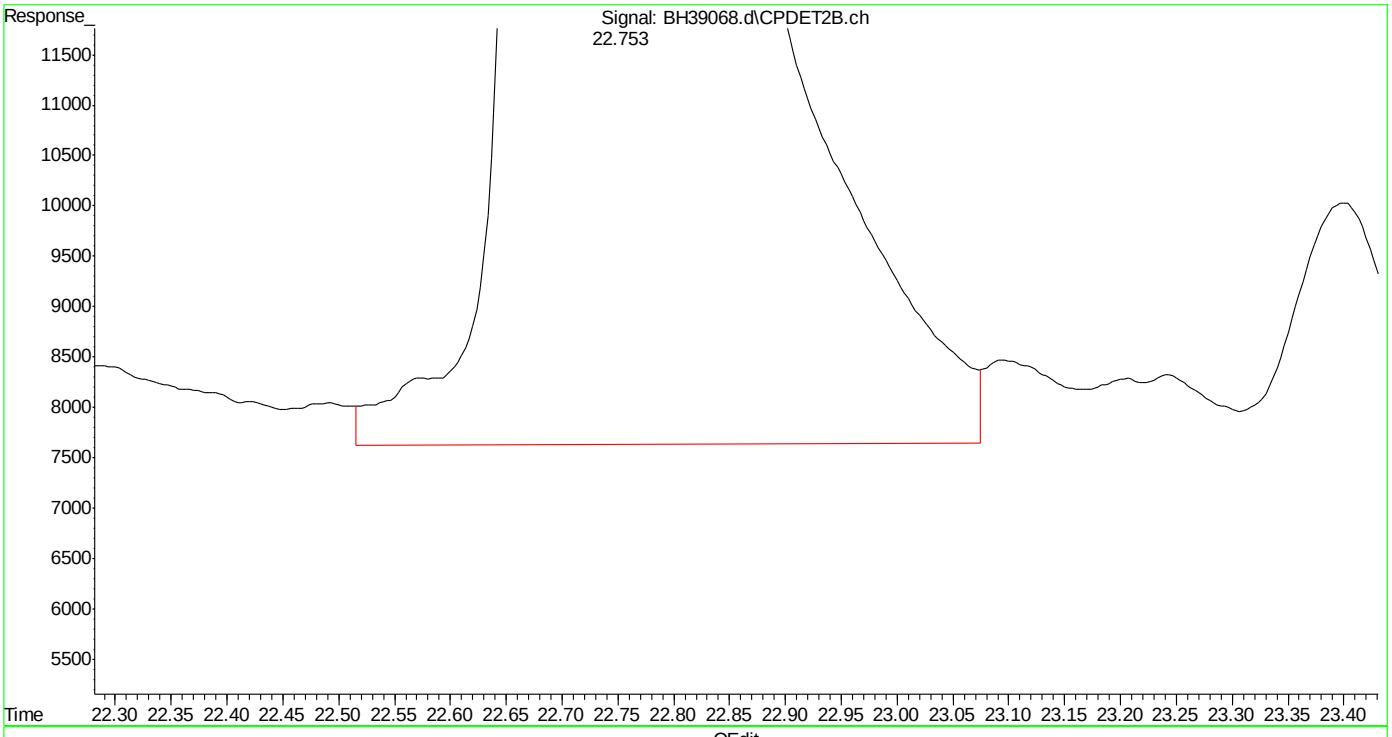
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 45.447 ppb
response 26456559

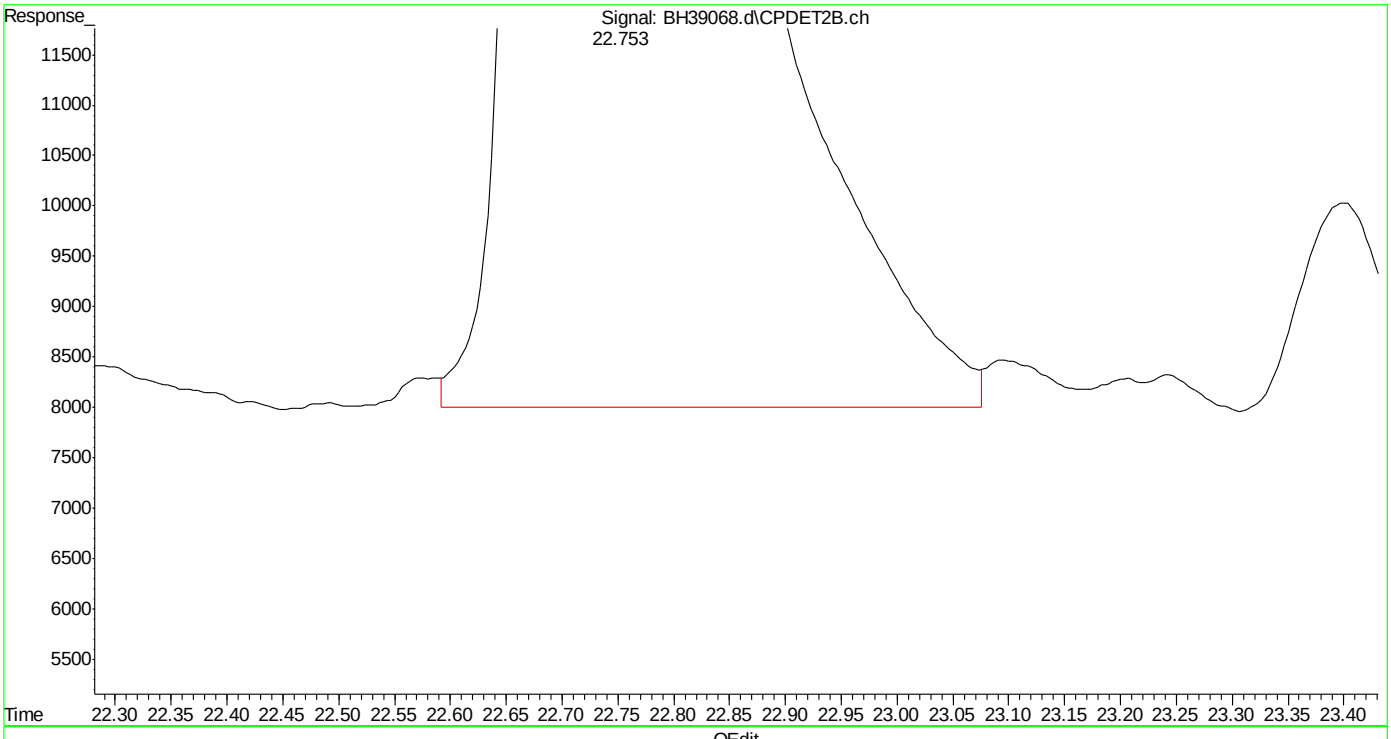
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:35 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.753min 45.221 ppb m
response 26324995

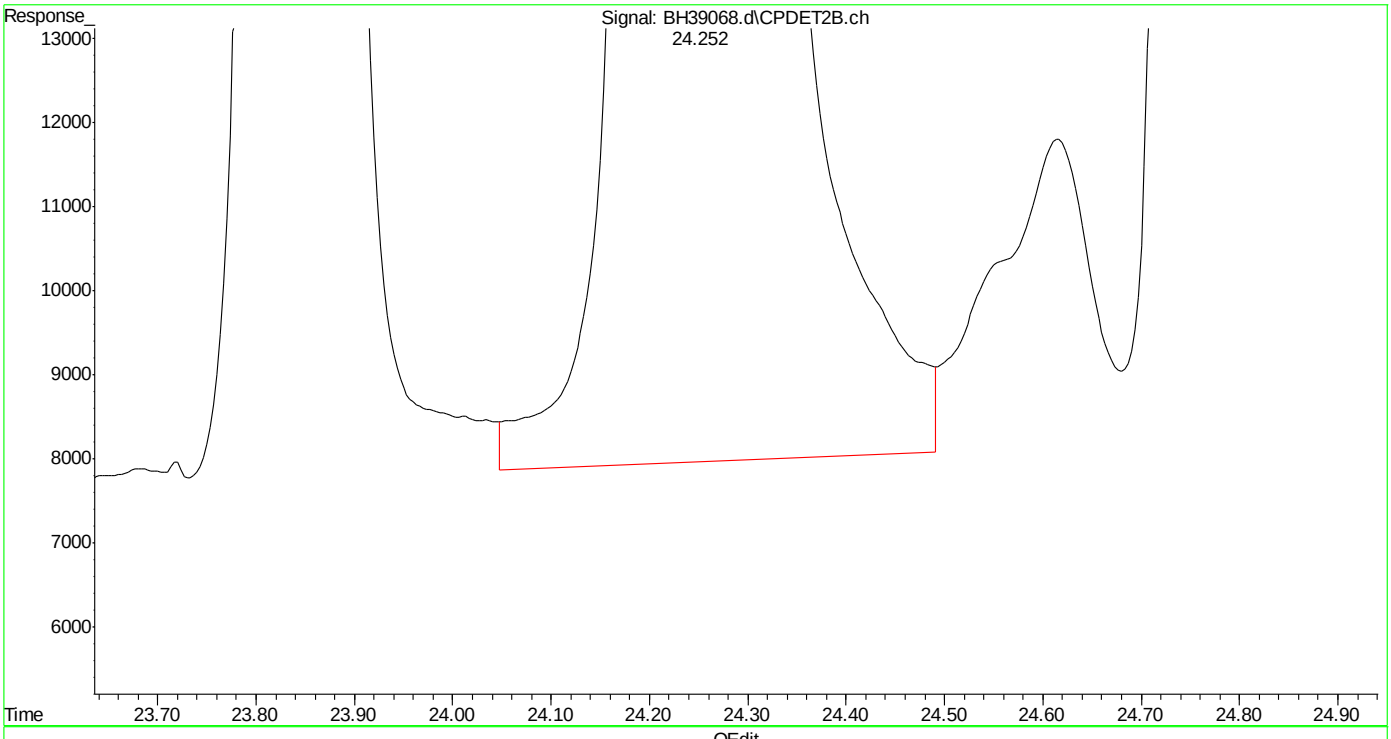
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)
24.253min 46.431 ppb
response 38799620

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:49 2016

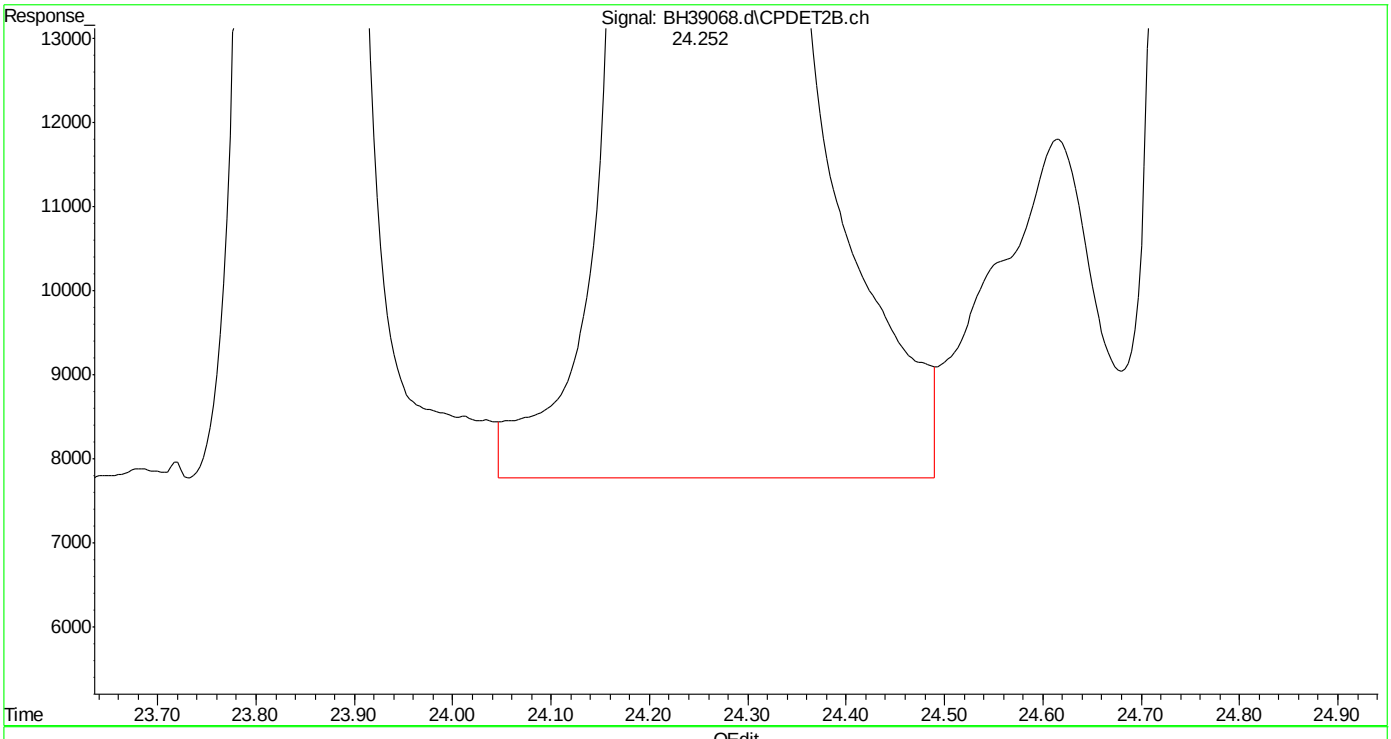
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)
24.252min 46.498 ppb m
response 38855573

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:57 2016

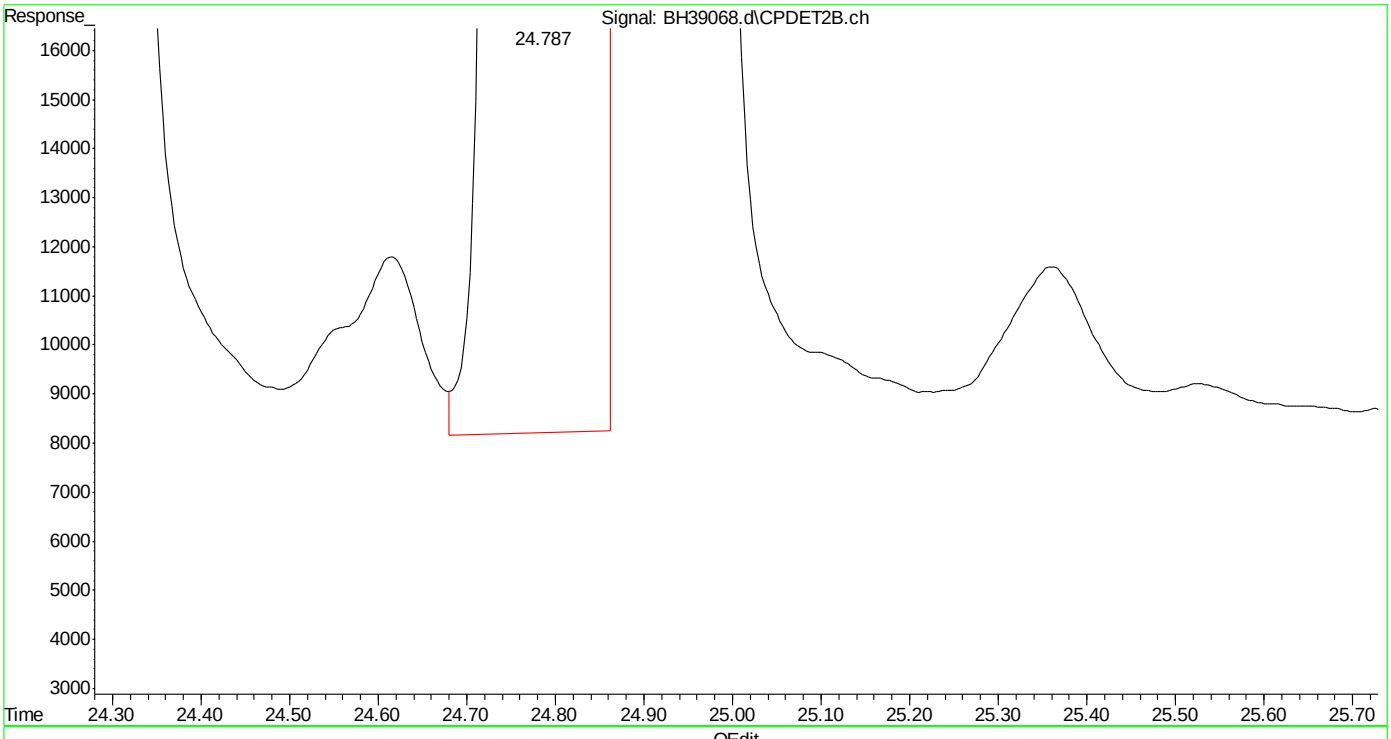
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.789min 45.864 ppb
response 29541781

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:04:02 2016

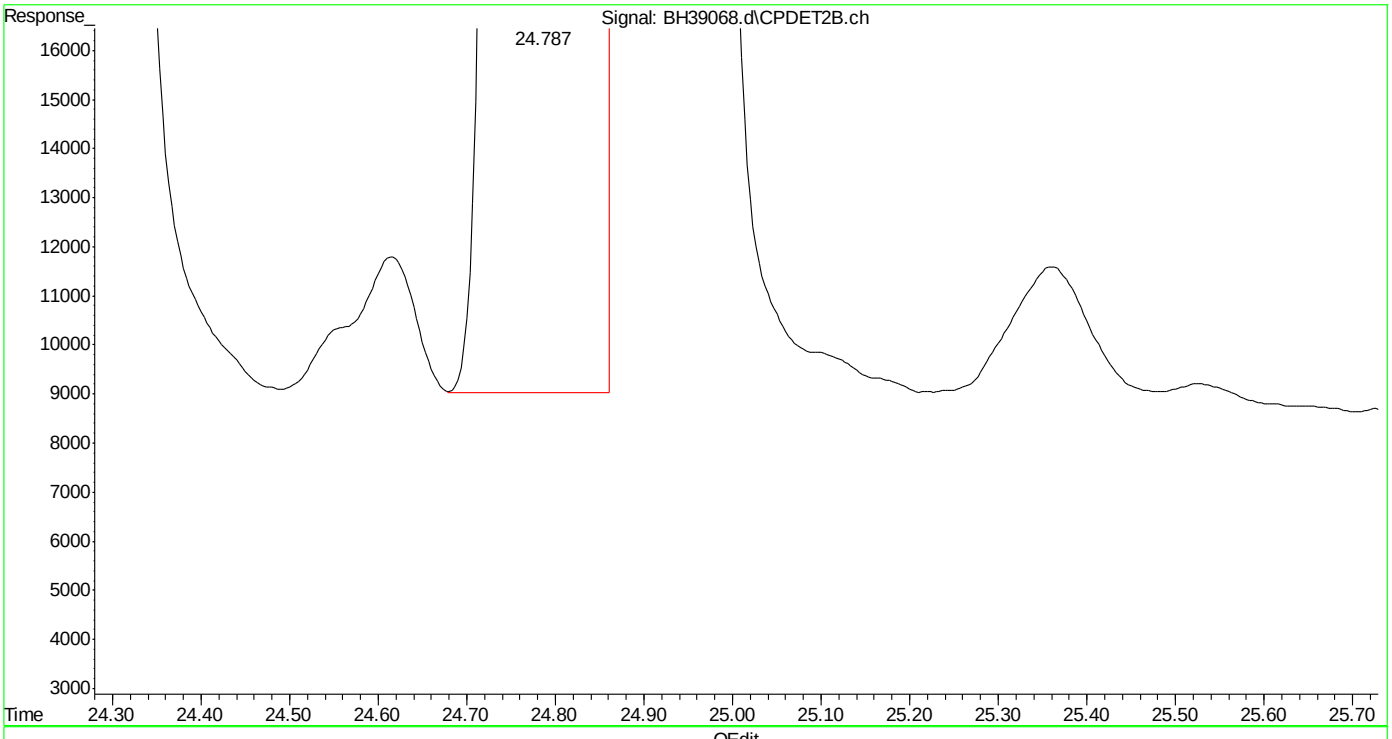
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.787min 45.833 ppb m
response 29522286

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:04:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(24) naphthalene #2 (t)
27.708min 48.131 ppb
response 26313262

(+) = Expected Retention Time

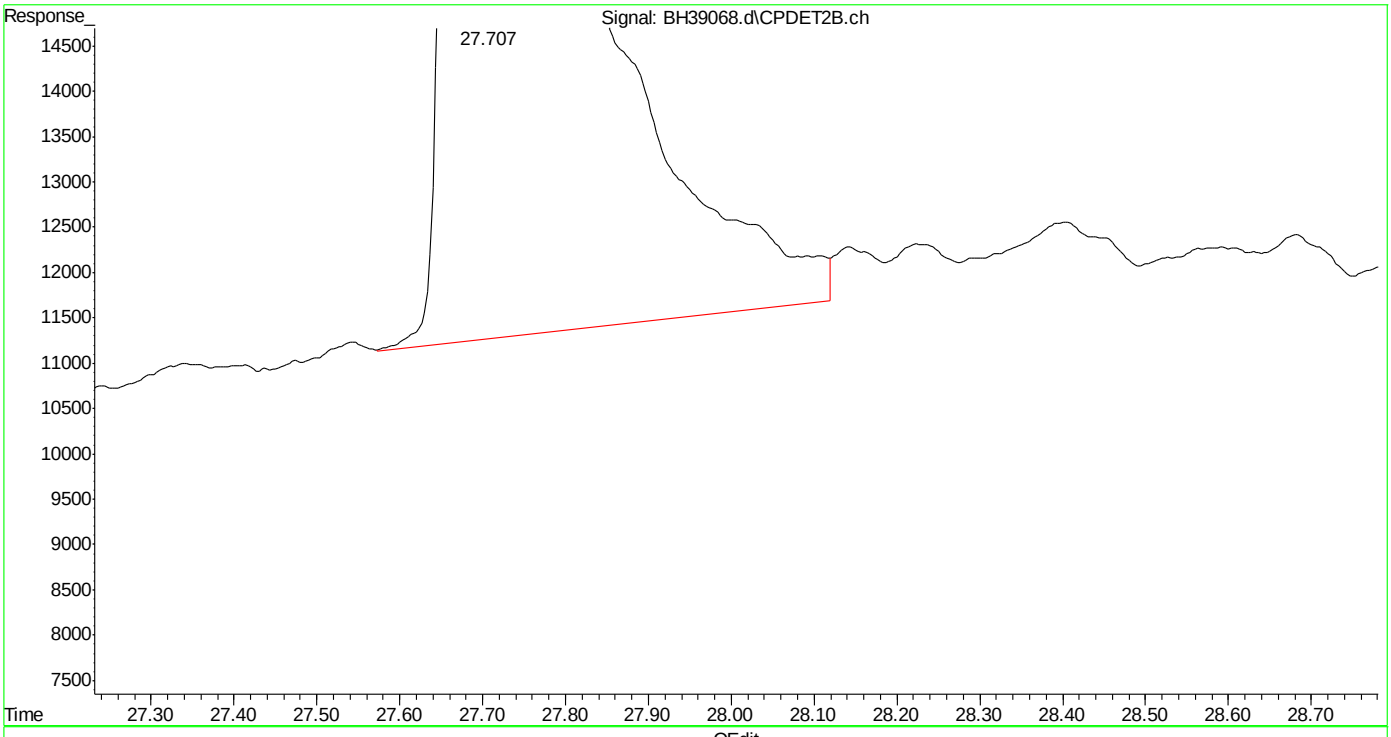
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.707min 47.650 ppb m
response 26050435

(+) = Expected Retention Time

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/09/16 09:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:07:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.672	42316608	45.067 ppb	m
Spiked Amount 50.000		Recovery	= 90.13%	
6) s 2,3,4-trifluorotoluene	19.786	34957697	43.005 ppb	m
Spiked Amount 50.000		Recovery	= 86.01%	
16) s fluorobenzene #2	14.672	18731001	46.088 ppb	m
Spiked Amount 50.000		Recovery	= 92.18%	
18) s 2,3,4-trifluorotoluen...	19.786	11124473	43.801 ppb	m
Spiked Amount 50.000		Recovery	= 87.60%	
Target Compounds				
1) h rt5.5-7	5.980	34433304	33.341 ppb	m
2) h rt7/10	8.250	40902091	39.605 ppb	m
3) h rt10/13	13.360	49073194	47.517 ppb	m
8) h rt20/25	21.460	45291185	37.656 ppb	m
10) h decane	23.856	47304218	39.330 ppb	m
11) h butylcyclohexane	24.940	51662418	42.953 ppb	m
14) t mtbe #2	9.021	13288139	47.255 ppb	m
15) t benzene #2	14.172	28624528	43.524 ppb	
17) t toluene #2	18.666	26772344	43.413 ppb	m
19) t ethylbenzene #2	21.801	23743909	43.395 ppb	
20) t m,p-xylene #2	21.943	58143639	87.167 ppb	m
21) t o-xylene #2	22.754	24956889	42.871 ppb	m
22) t 1,3,5-trimethylbenzen...	24.254	36499397	43.678 ppb	m
23) t 1,2,4-trimethylbenzen...	24.789	28064967	43.571 ppb	m
24) t naphthalene #2	27.709	25602027	46.830 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	28000139	43.476 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

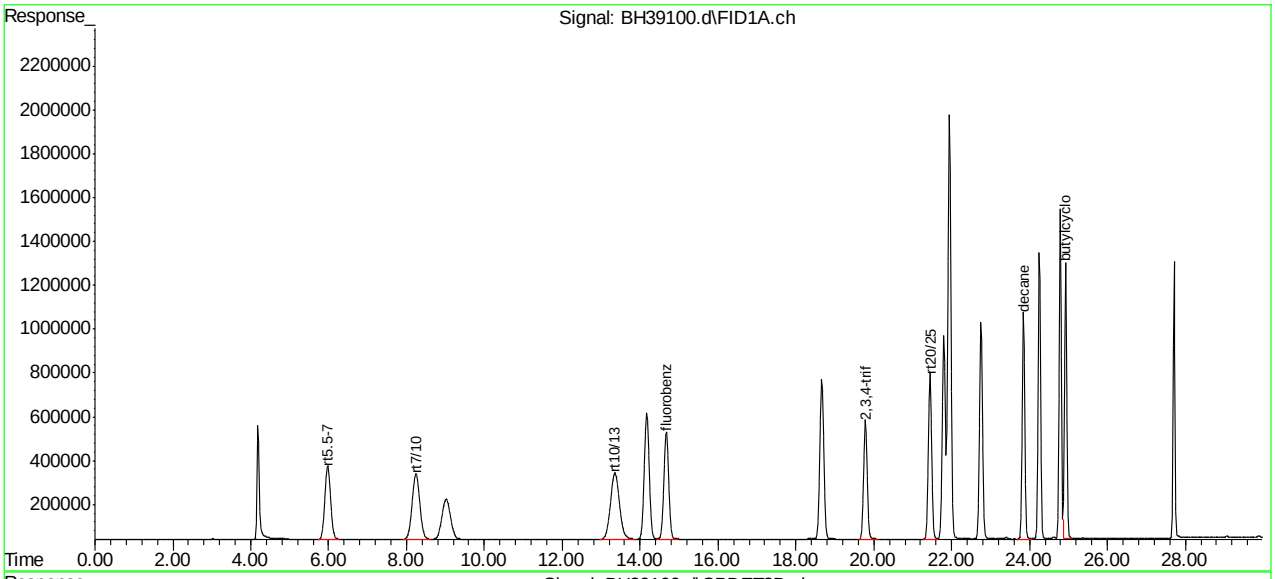
7.5.11
7

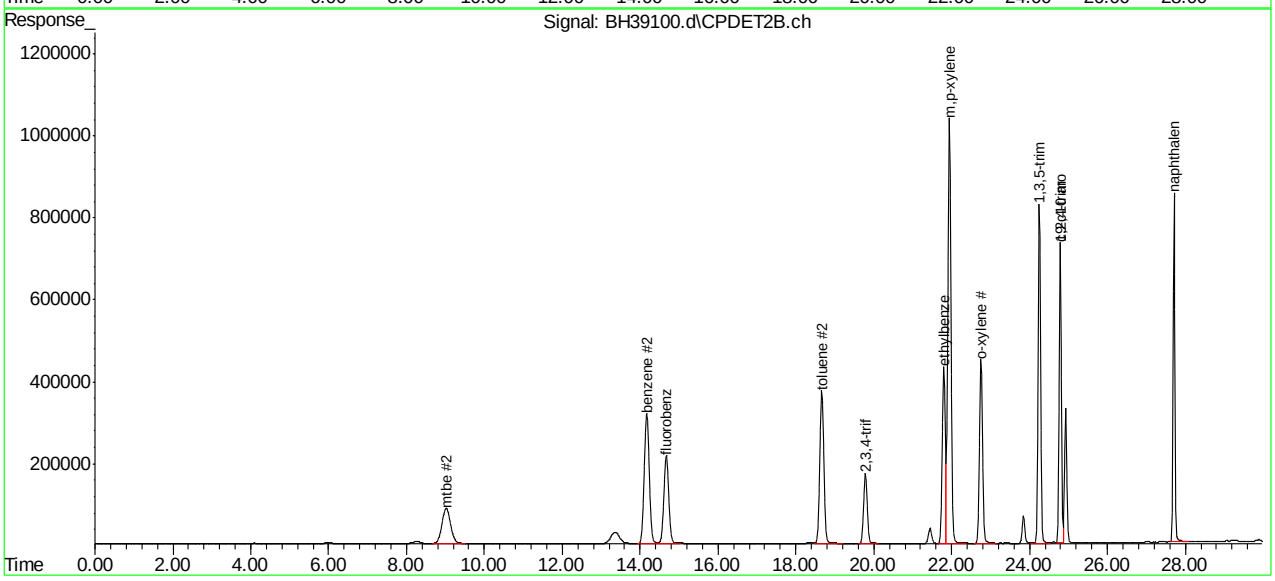
Quantitation Report (QT Reviewed)

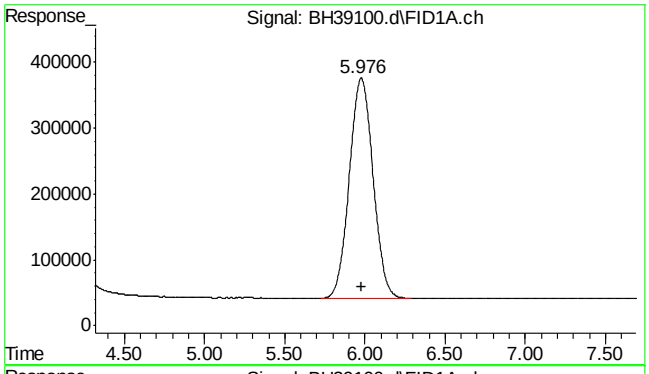
Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:07:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

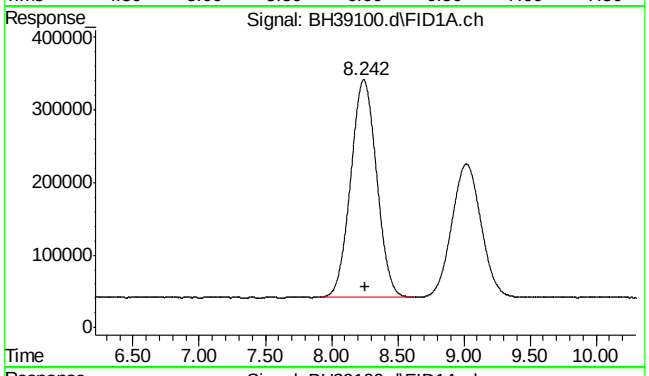






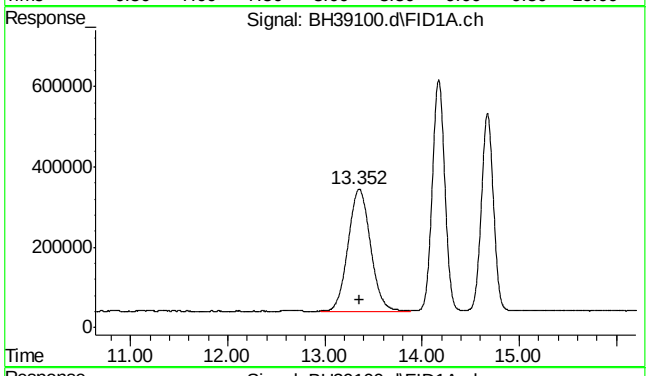
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 34433304
Conc: 33.34 ppb m



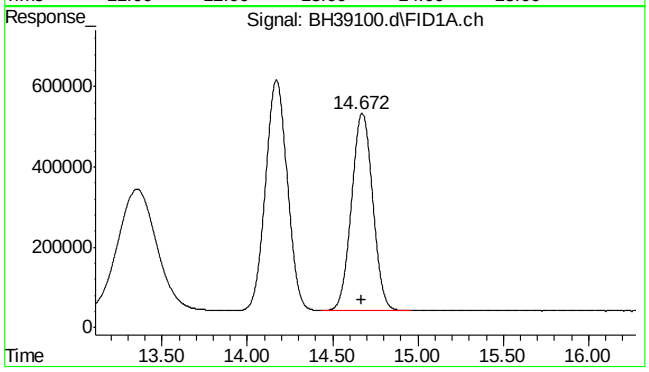
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 40902091
Conc: 39.60 ppb m



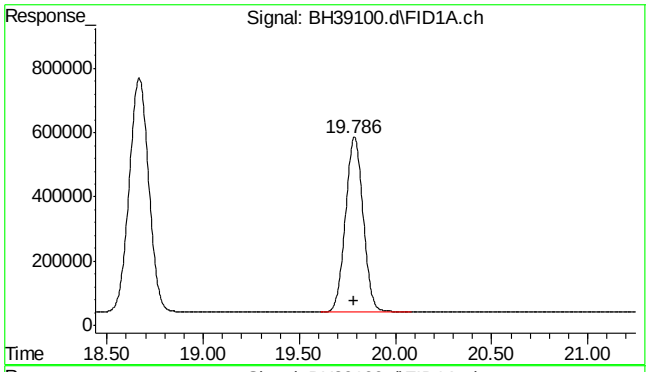
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 49073194
Conc: 47.52 ppb m



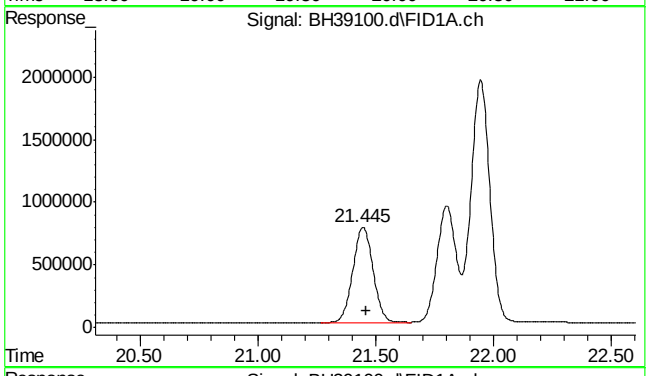
#4 fluorobenzene

R.T.: 14.672 min
Delta R.T.: 0.000 min
Response: 42316608
Conc: 45.07 ppb m



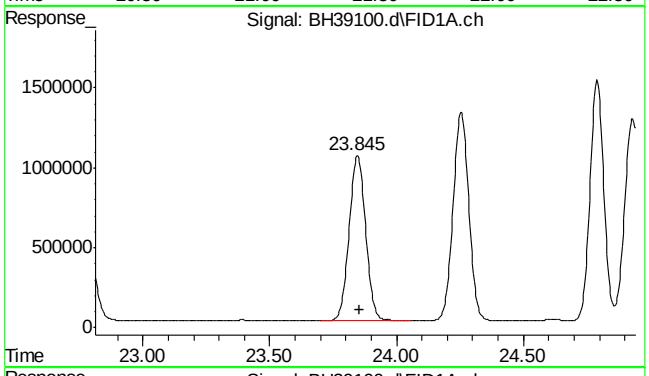
#6 2,3,4-trifluorotoluene

R.T.: 19.786 min
Delta R.T.: 0.000 min
Response: 34957697
Conc: 43.00 ppb m



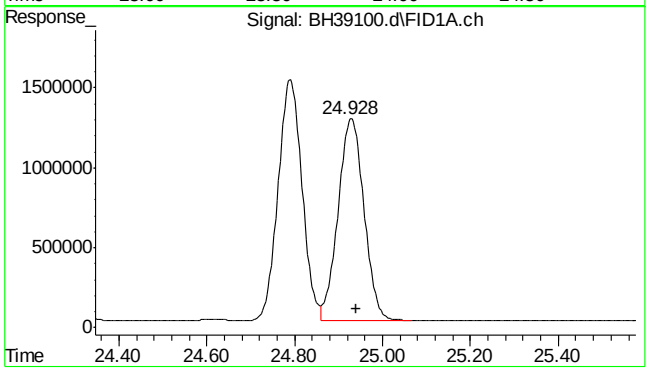
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 45291185
Conc: 37.66 ppb m



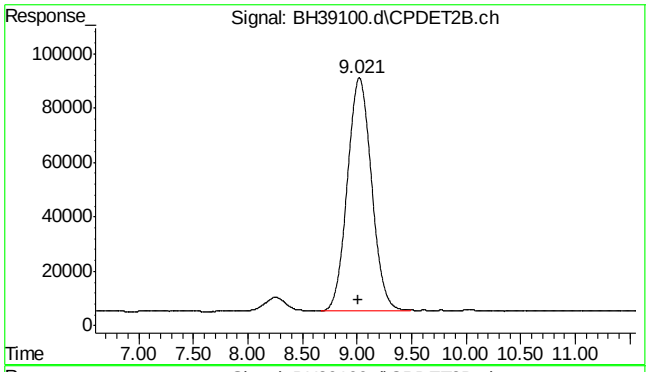
#10 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 47304218
Conc: 39.33 ppb m



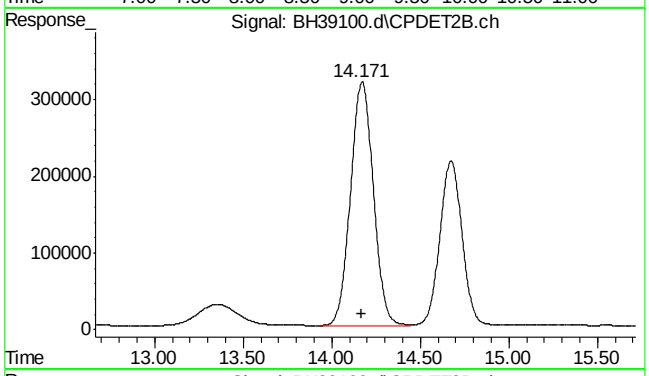
#11 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 51662418
Conc: 42.95 ppb m



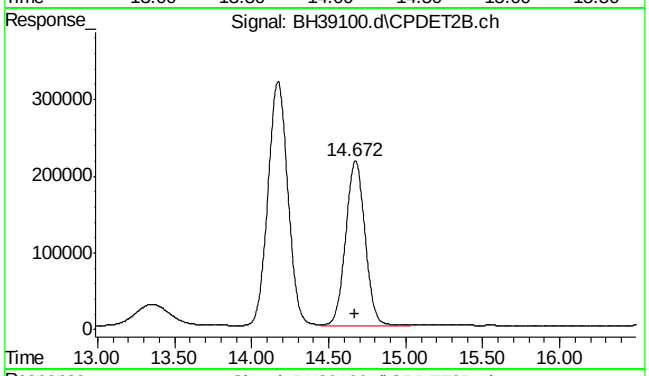
#14 mtbe #2

R.T.: 9.021 min
Delta R.T.: 0.005 min
Response: 13288139
Conc: 47.26 ppb m



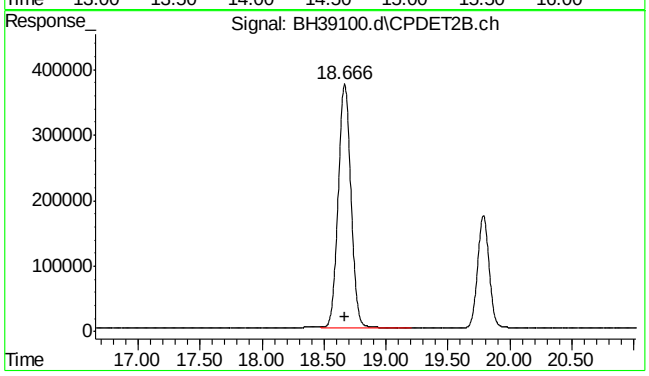
#15 benzene #2

R.T.: 14.172 min
Delta R.T.: 0.002 min
Response: 28624528
Conc: 43.52 ppb



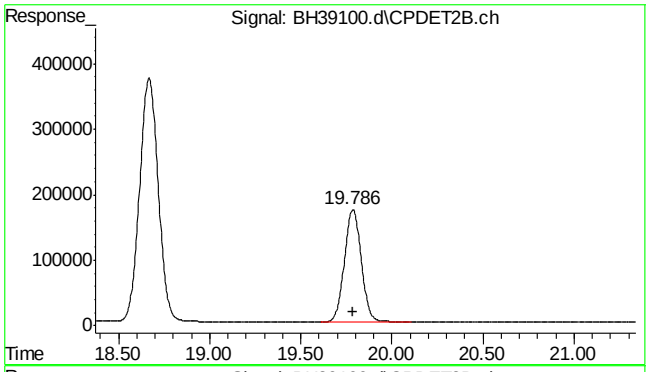
#16 fluorobenzene #2

R.T.: 14.672 min
Delta R.T.: 0.000 min
Response: 18731001
Conc: 46.09 ppb m



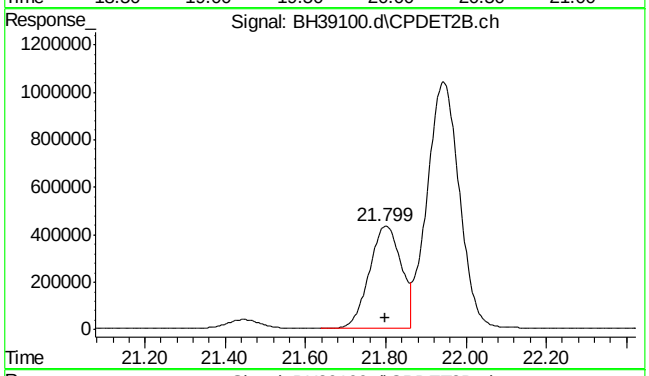
#17 toluene #2

R.T.: 18.666 min
Delta R.T.: 0.000 min
Response: 26772344
Conc: 43.41 ppb m



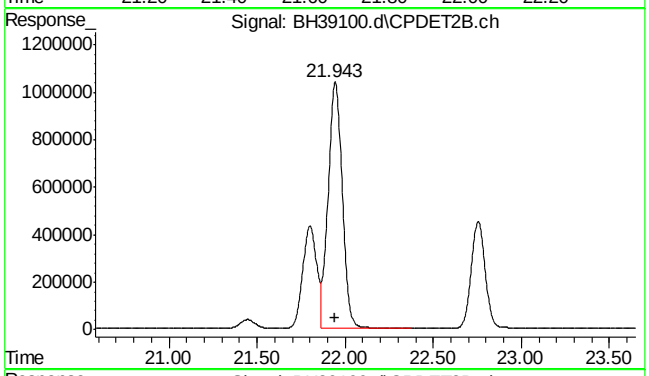
#18 2,3,4-trifluorotoluene #2

R.T.: 19.786 min
Delta R.T.: 0.000 min
Response: 11124473
Conc: 43.80 ppb m



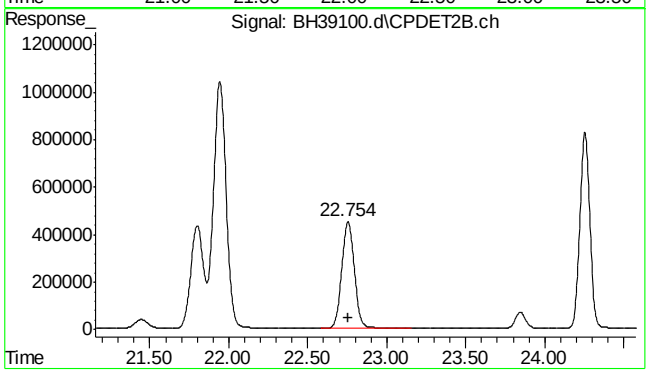
#19 ethylbenzene #2

R.T.: 21.801 min
Delta R.T.: 0.001 min
Response: 23743909
Conc: 43.39 ppb



#20 m,p-xylene #2

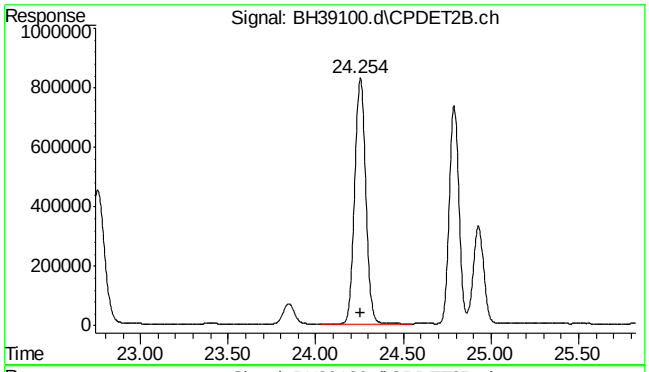
R.T.: 21.943 min
Delta R.T.: 0.000 min
Response: 58143639
Conc: 87.17 ppb m



#21 o-xylene #2

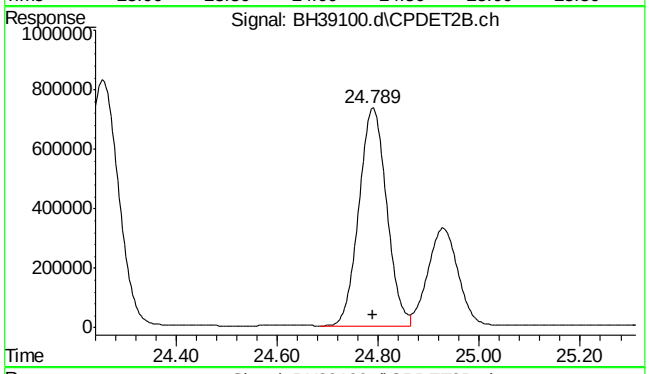
R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 24956889
Conc: 42.87 ppb m

SGS ACCUTEST MC45754



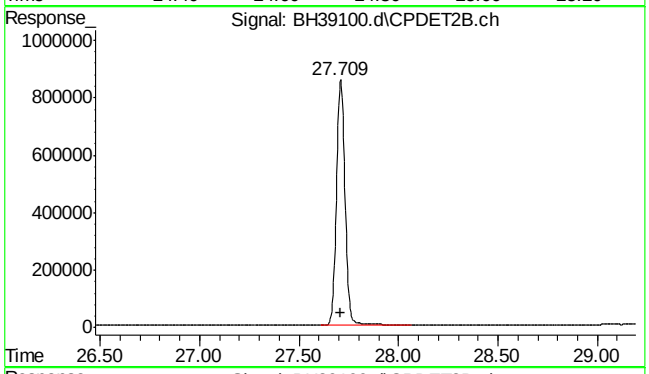
#22 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.000 min
Response: 36499397
Conc: 43.68 ppb m



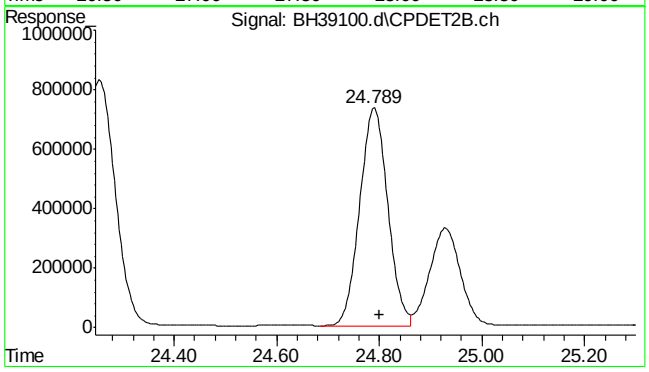
#23 1,2,4-trimethylbenzene #2

R.T.: 24.789 min
Delta R.T.: 0.000 min
Response: 28064967
Conc: 43.57 ppb m



#24 naphthalene #2

R.T.: 27.709 min
Delta R.T.: 0.000 min
Response: 25602027
Conc: 46.83 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 28000139
Conc: 43.48 ppb m

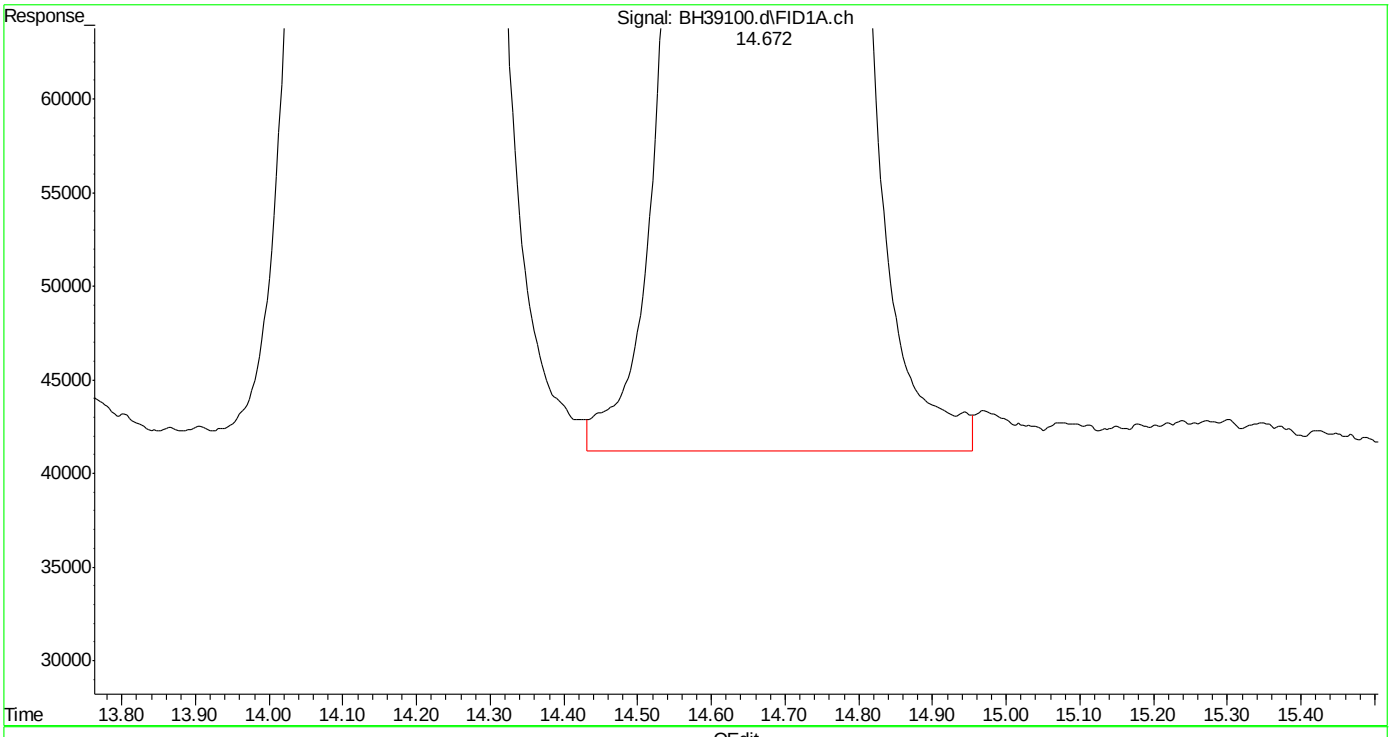
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.674min 45.396 ppb
response 42625502

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:04:49 2016

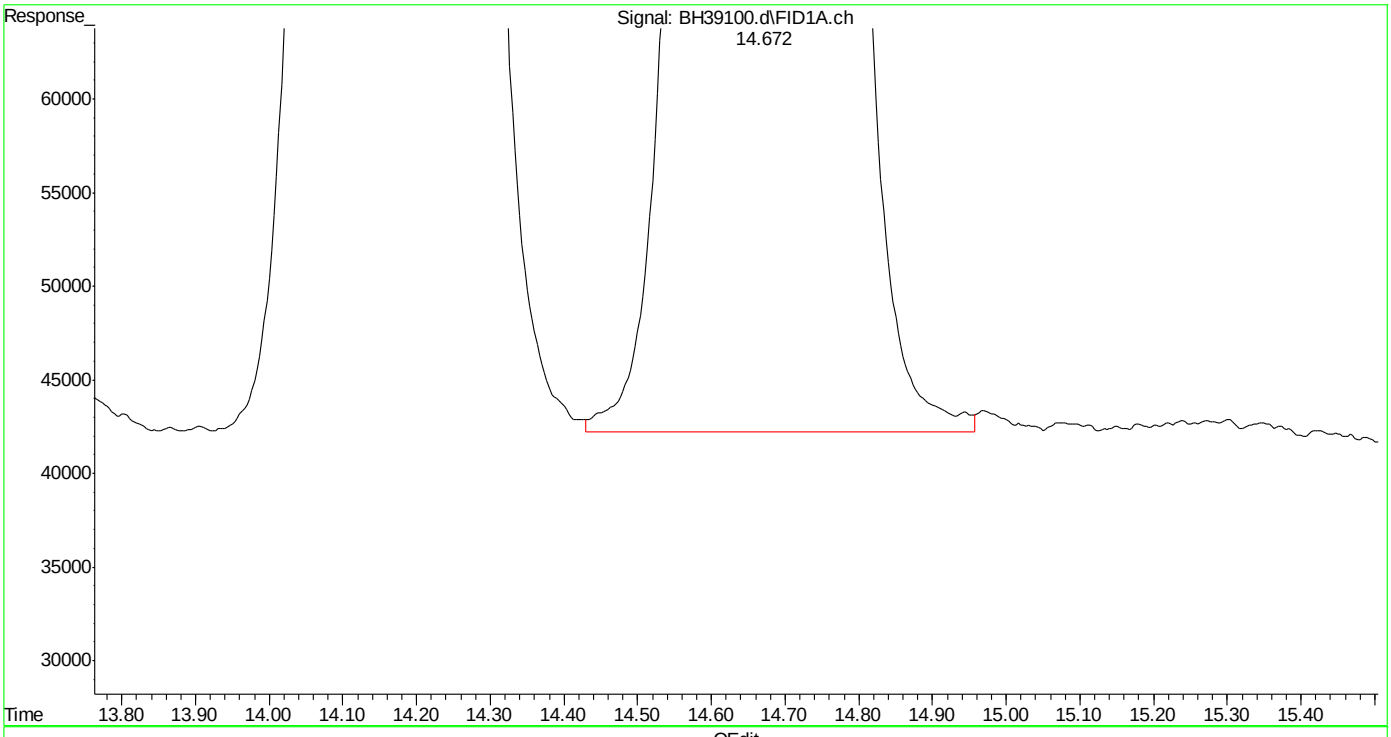
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.672min 45.067 ppb m
response 42316608

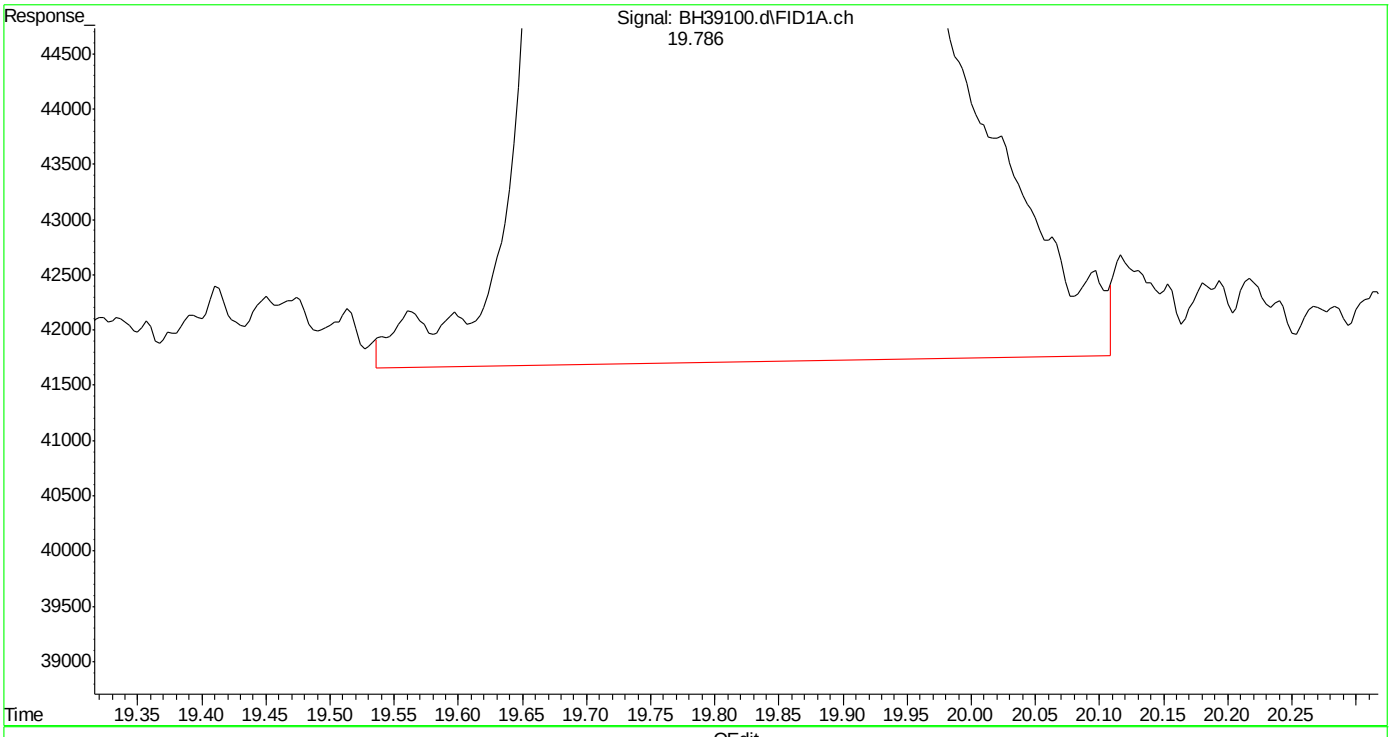
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:04:56 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.787min 43.145 ppb
response 35071415

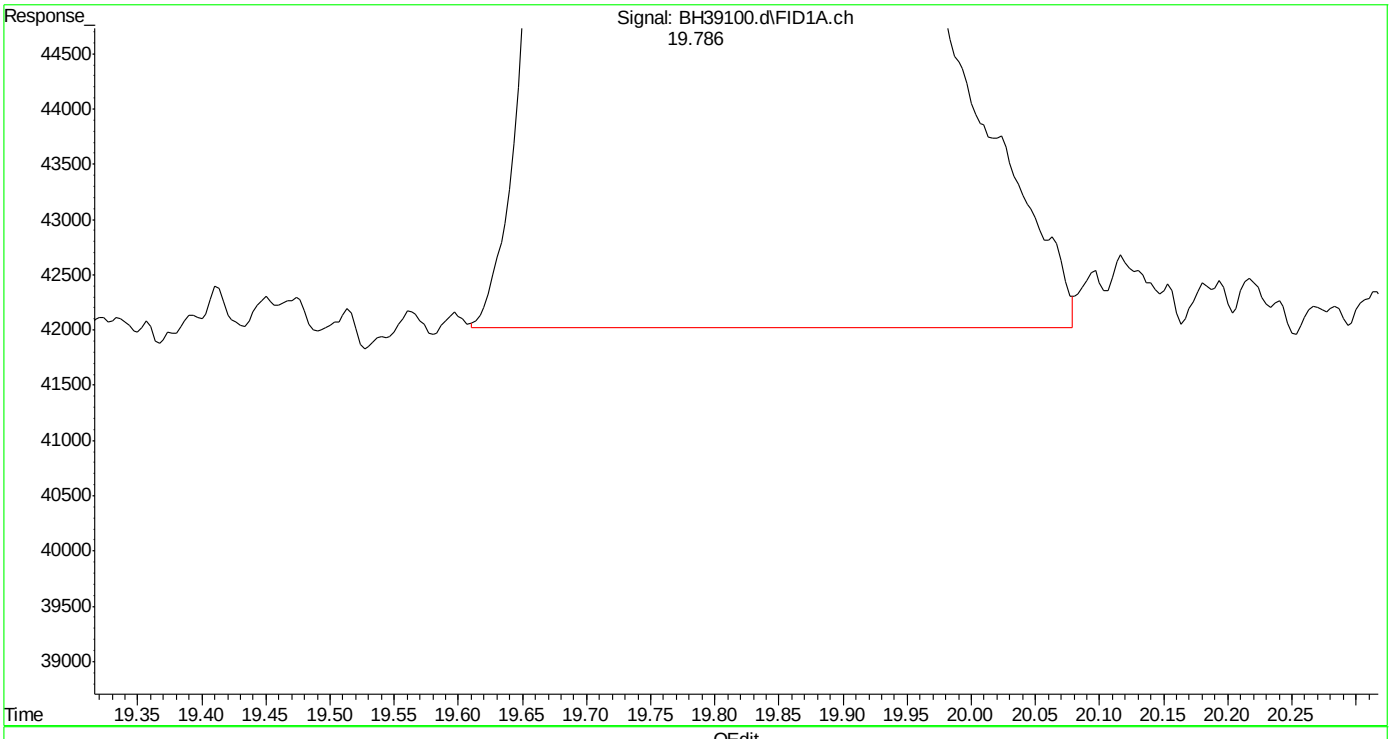
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:05:01 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.786min 43.005 ppb m
response 34957697

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:05:07 2016

SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
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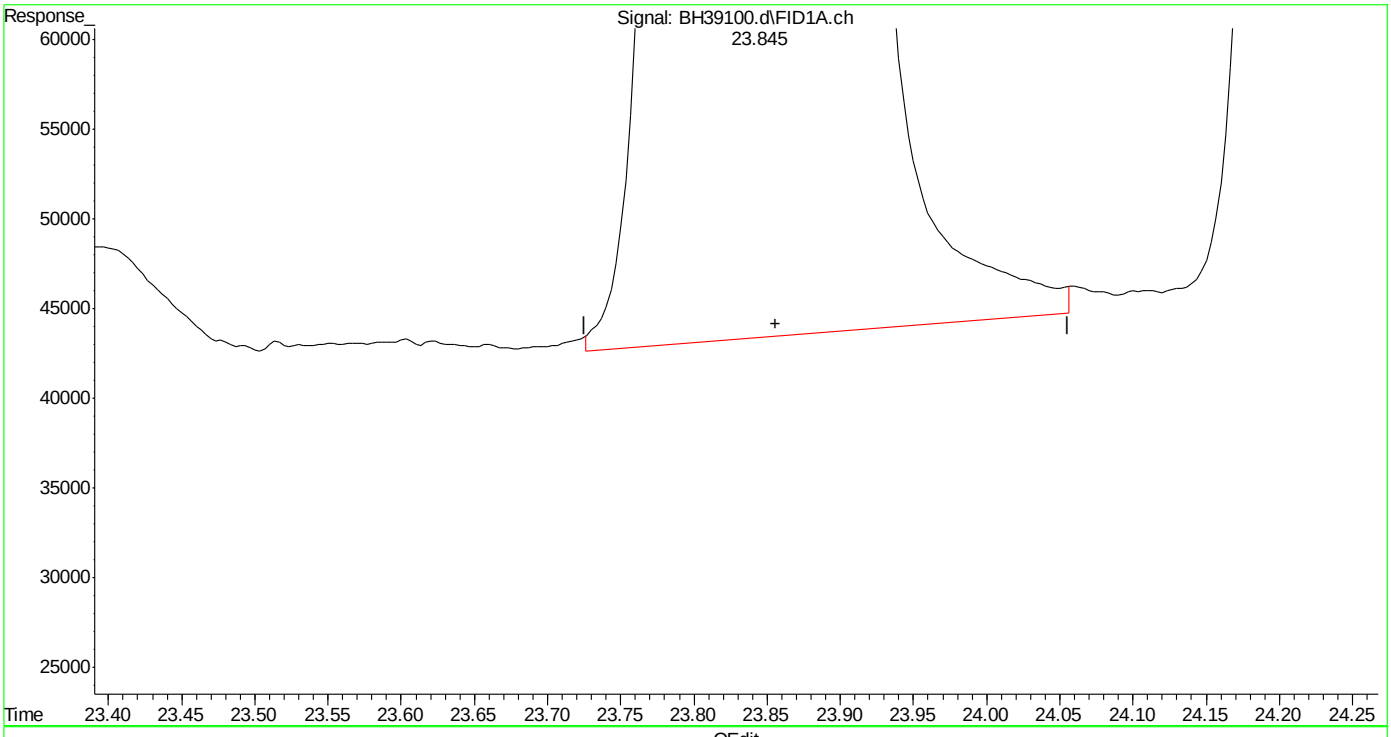
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 39.191 ppb
response 47138010

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:05:19 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
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Quant Time: May 06 09:04:09 2016
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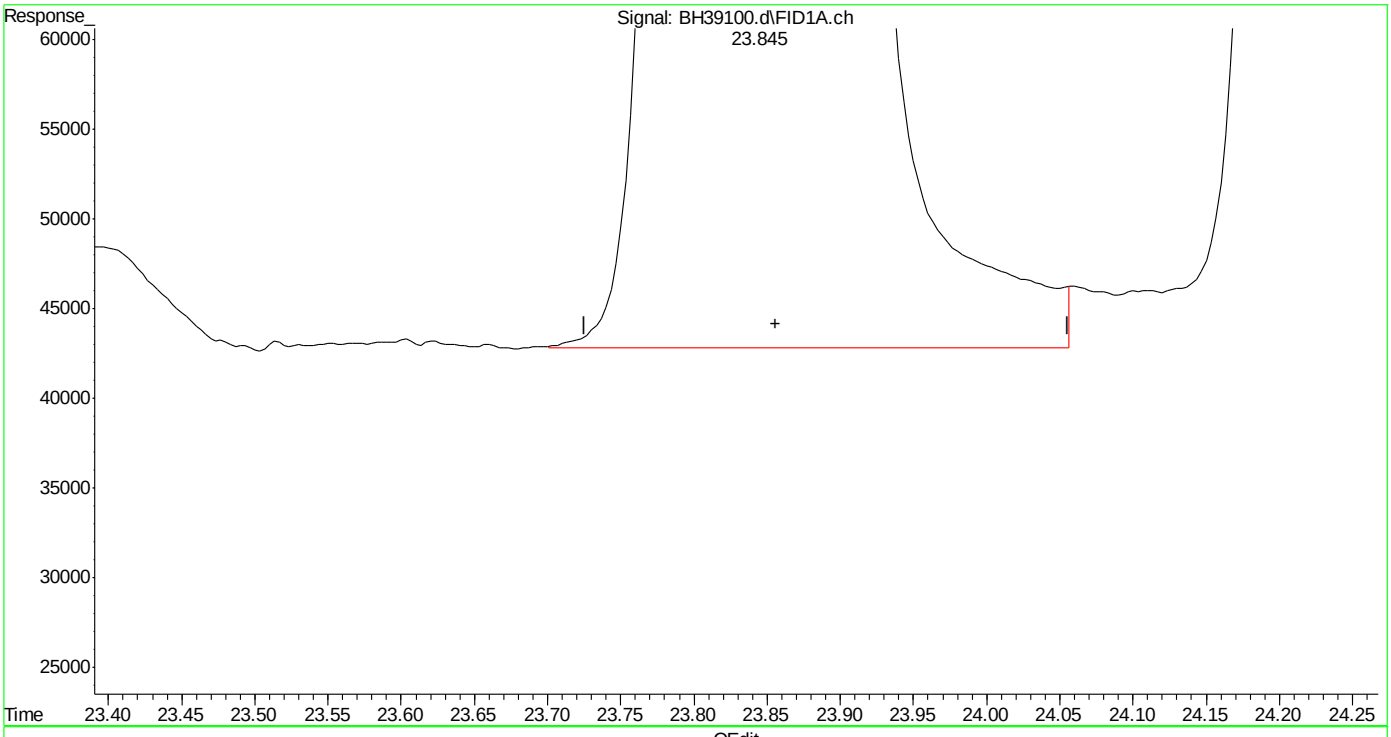
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 39.330 ppb m
response 47304218

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:05:25 2016

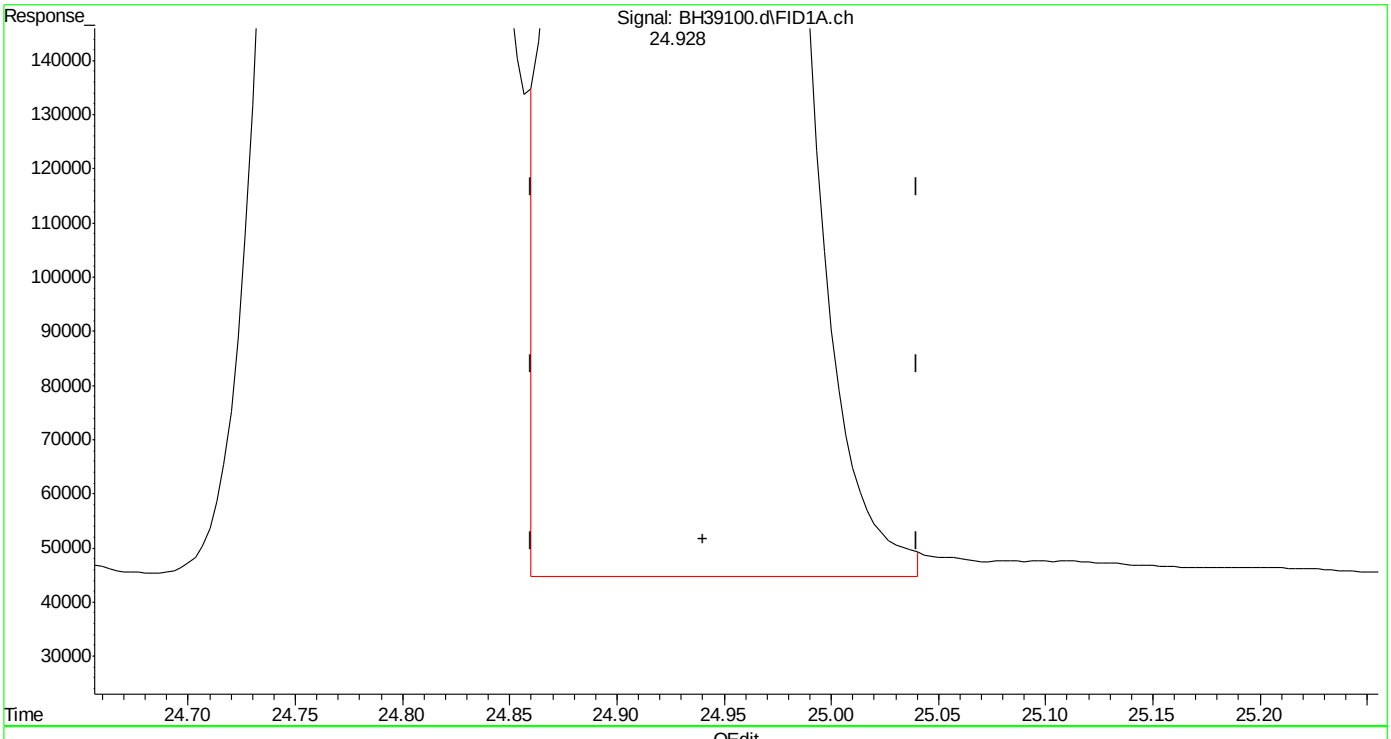
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 42.737 ppb
response 51402755

(+) = Expected Retention Time

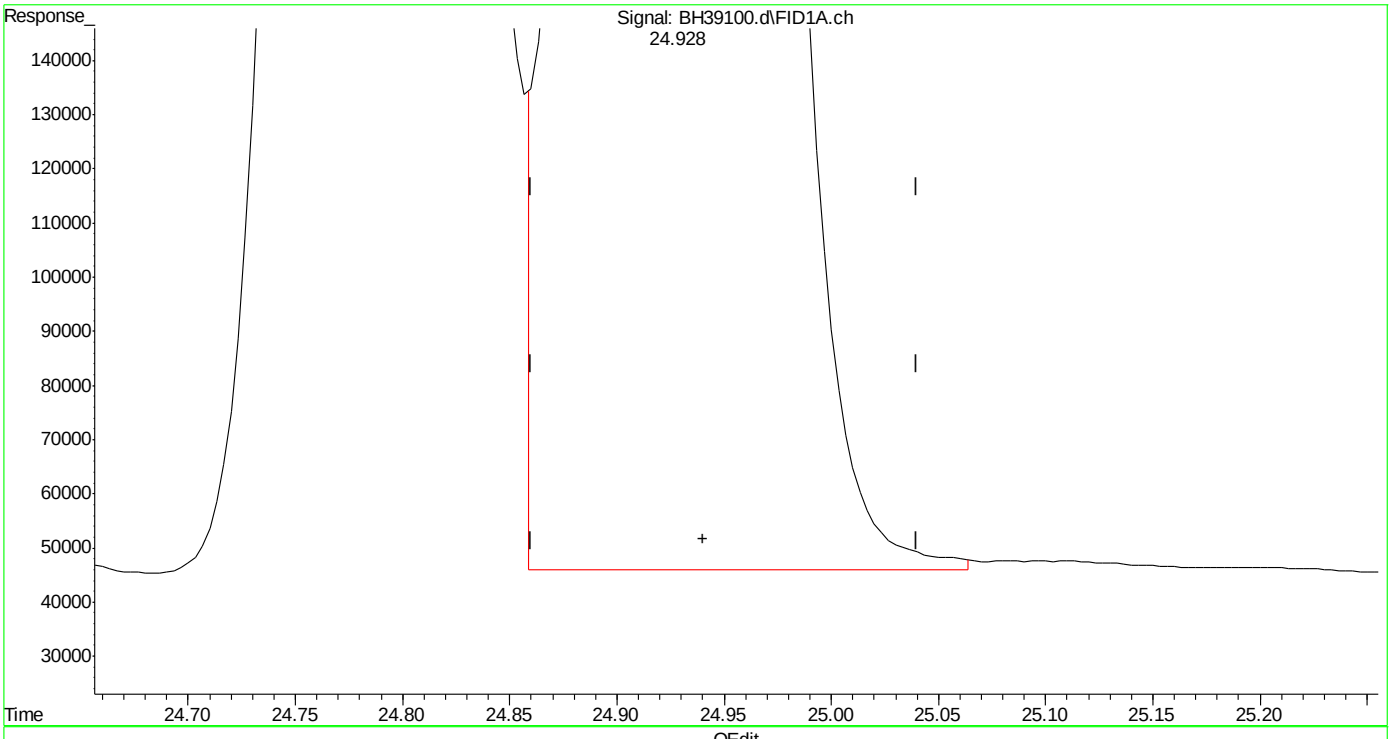
bh160506vph.m Fri May 06 09:05:30 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 42.953 ppb m
response 51662418

(+) = Expected Retention Time

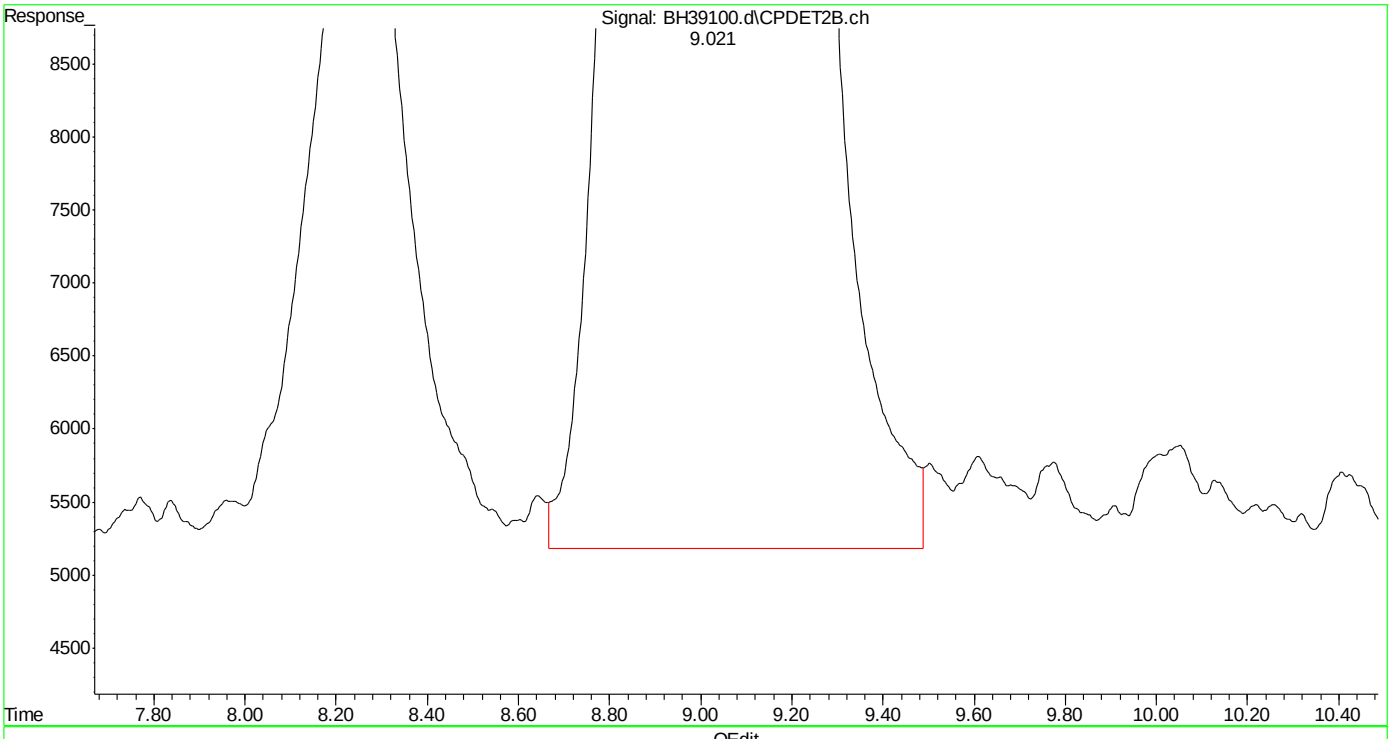
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.021min 47.477 ppb
response 13350636

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:05:44 2016 Page: 1

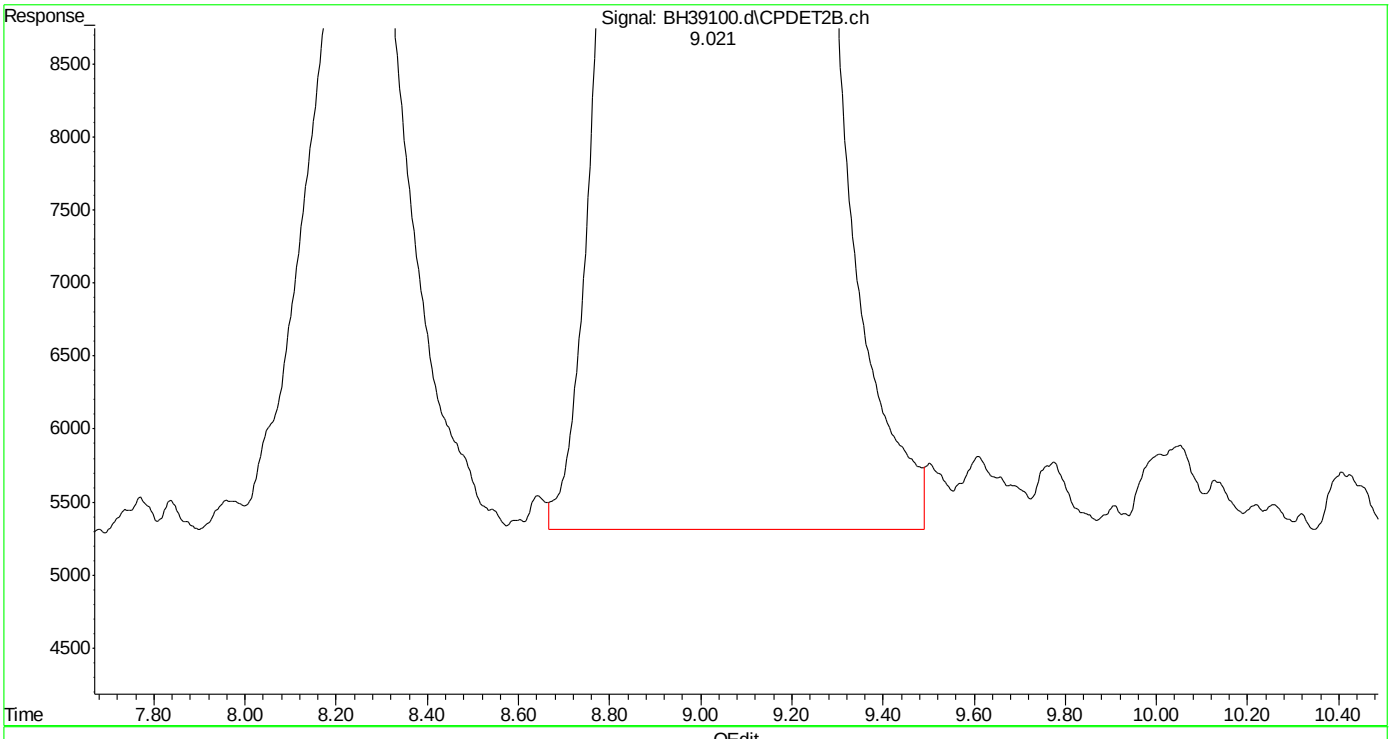
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.021min 47.255 ppb m
response 13288139

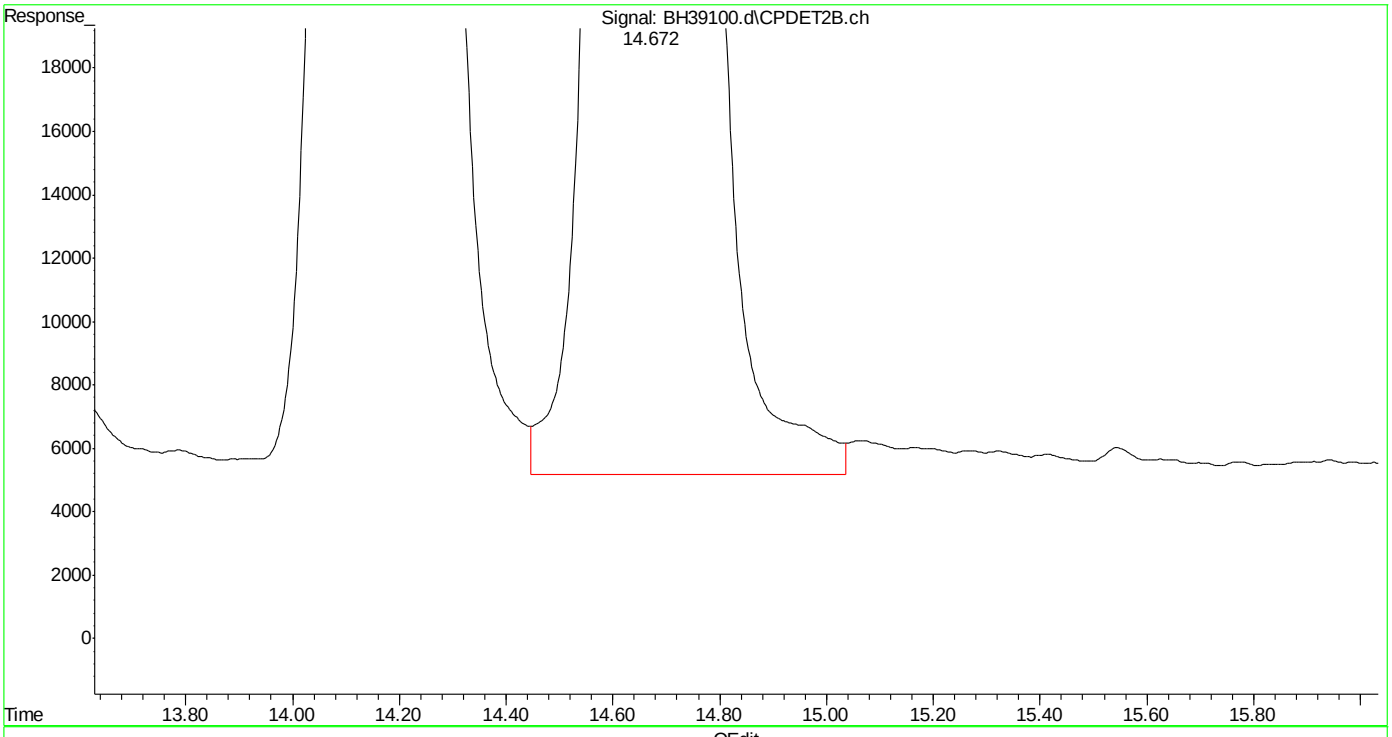
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:05:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.674min 46.514 ppb
response 18904133

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:06:00 2016

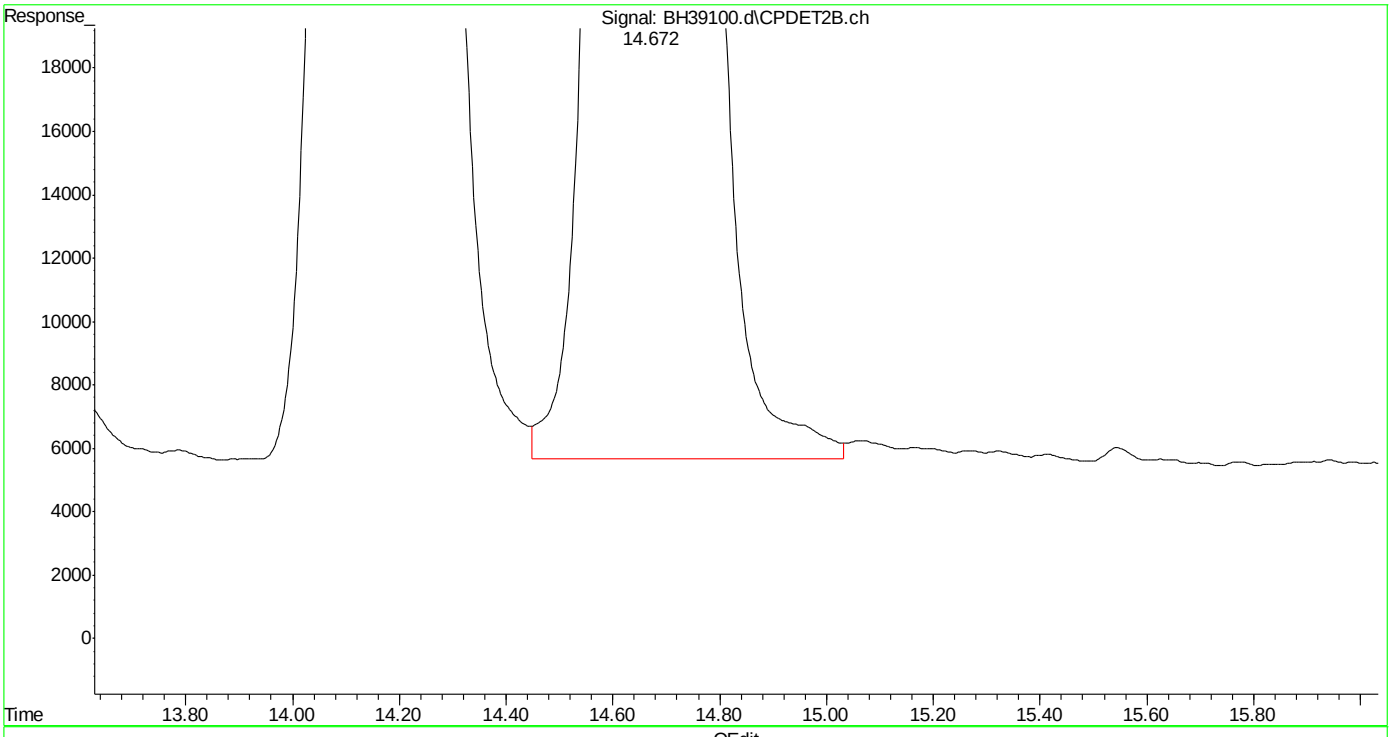
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.672min 46.088 ppb m
response 18731001

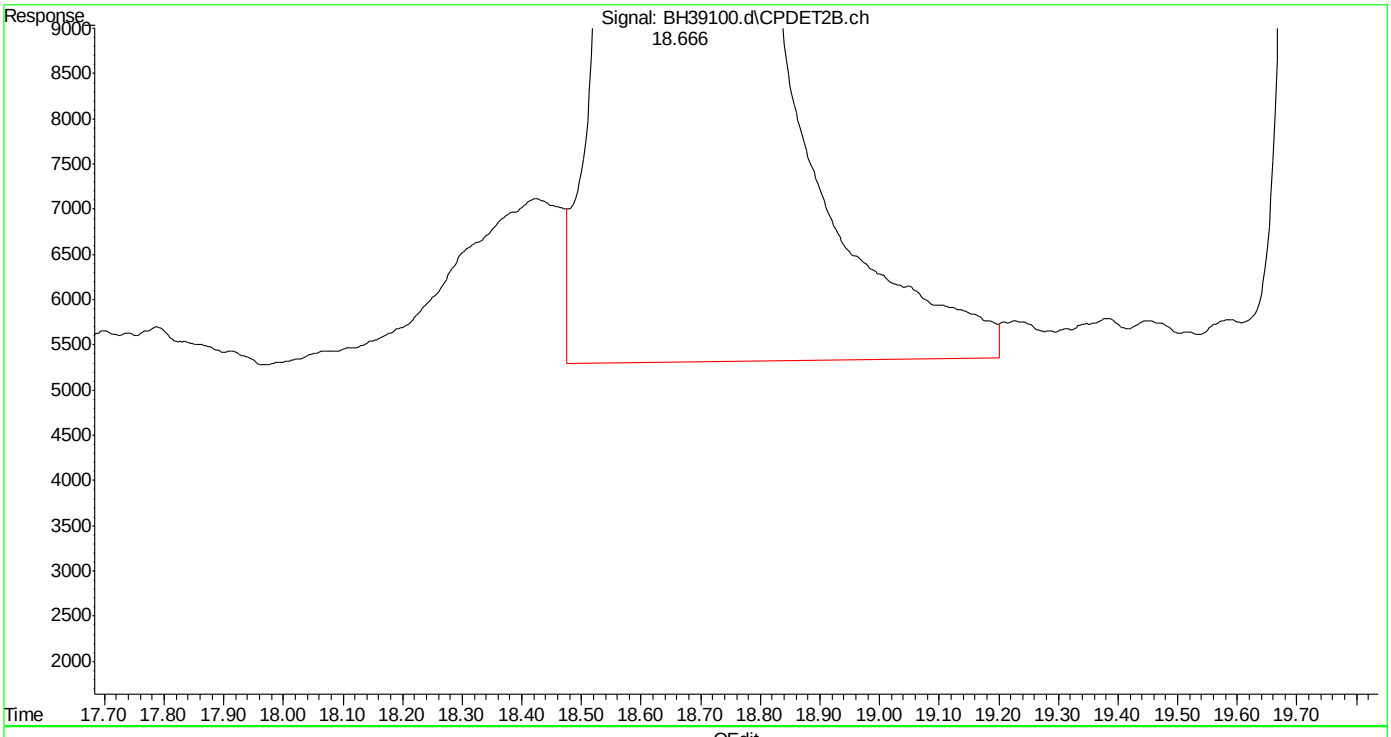
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:06:06 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.668min 43.641 ppb
response 26912873

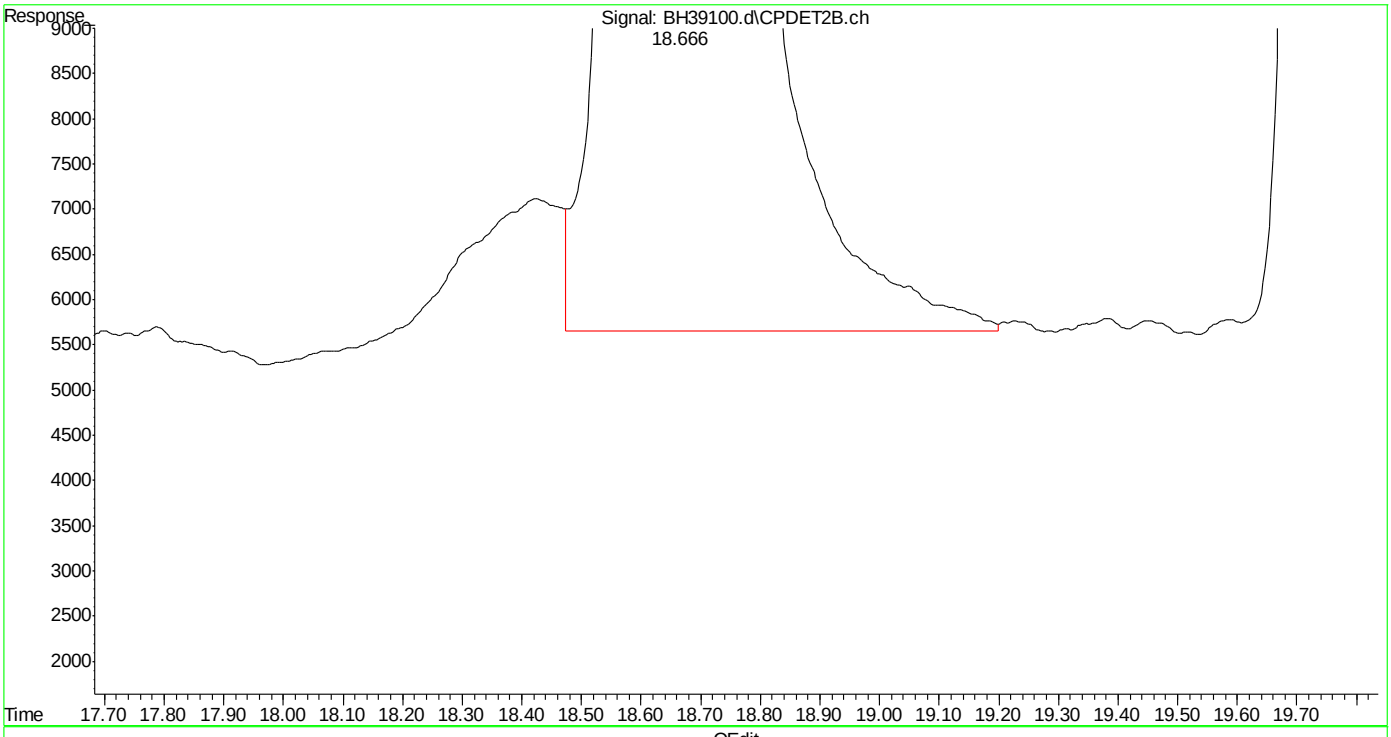
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 43.413 ppb m
response 26772344

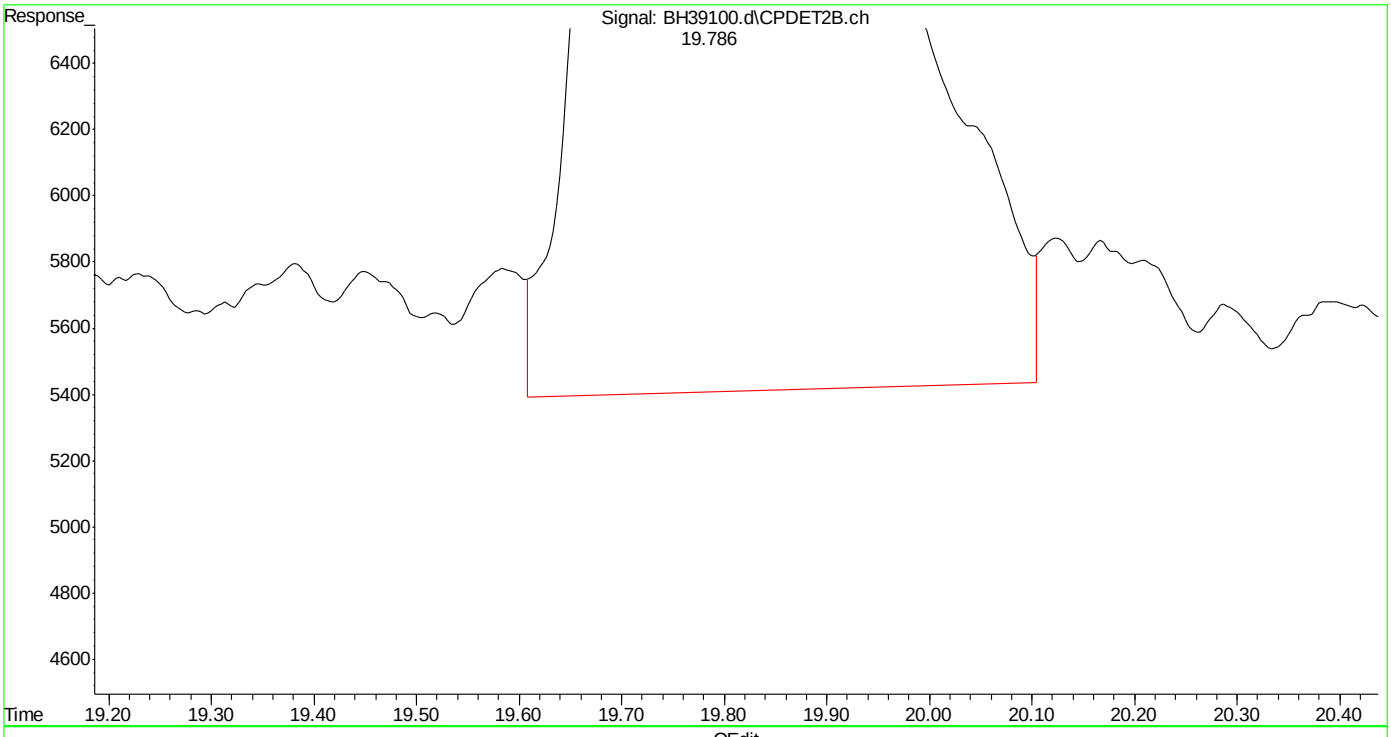
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:06:17 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.787min 44.030 ppb
response 11182656

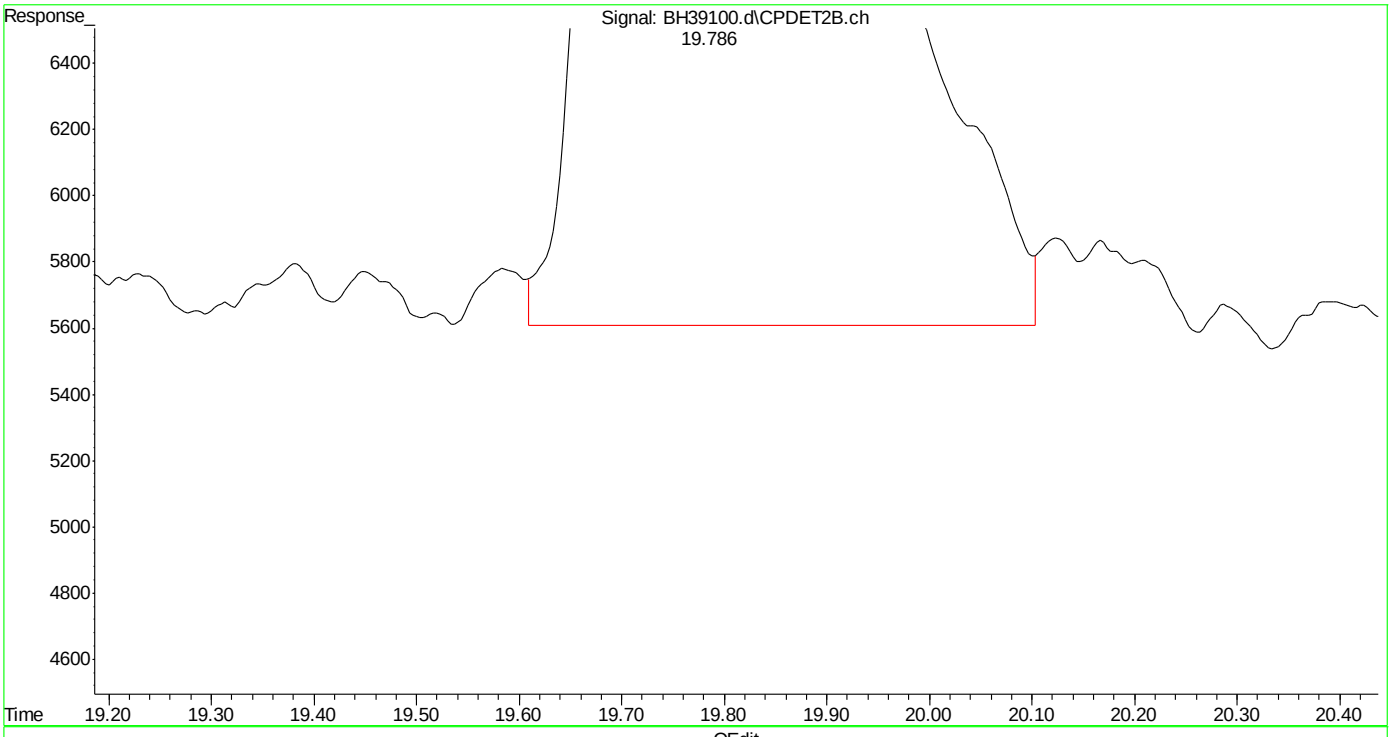
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:06:21 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 43.801 ppb m
response 11124473

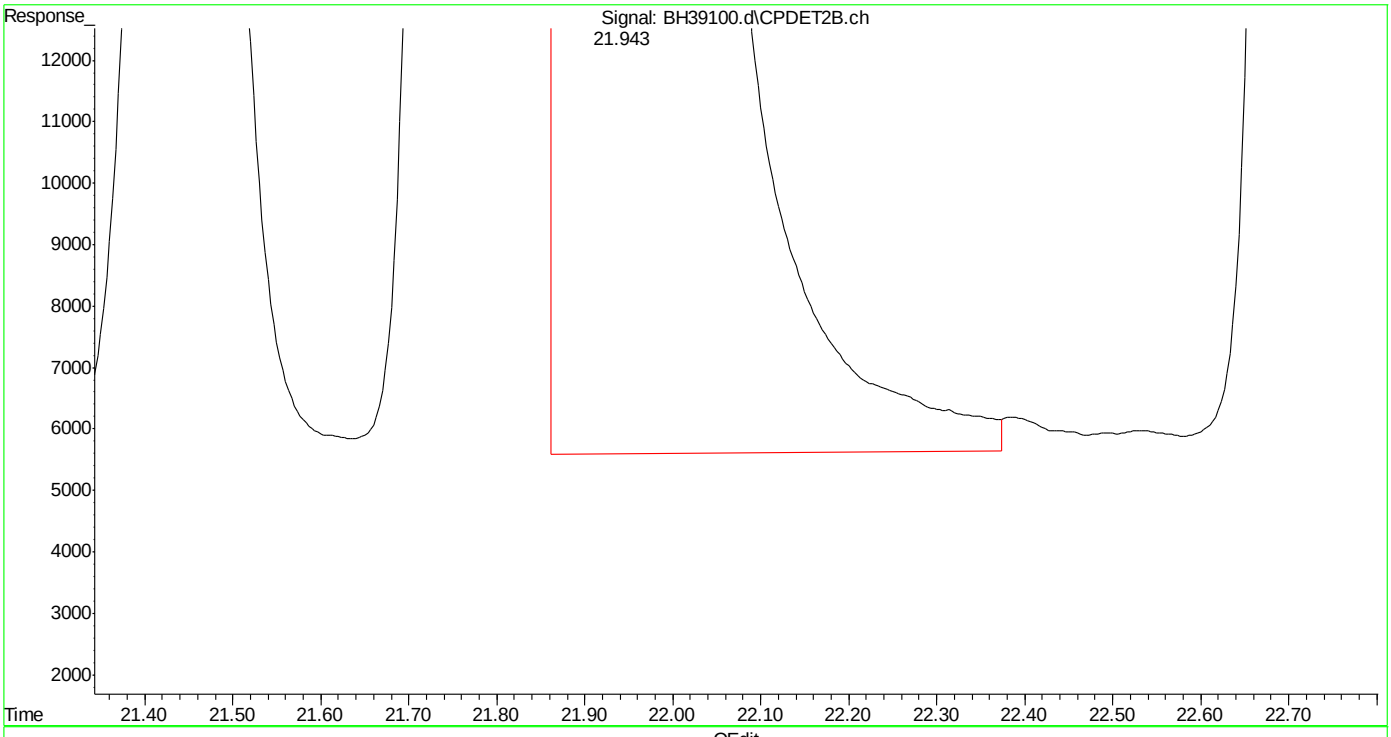
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:06:28 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.945min 87.600 ppb
response 58432661

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:06:36 2016 Page: 1

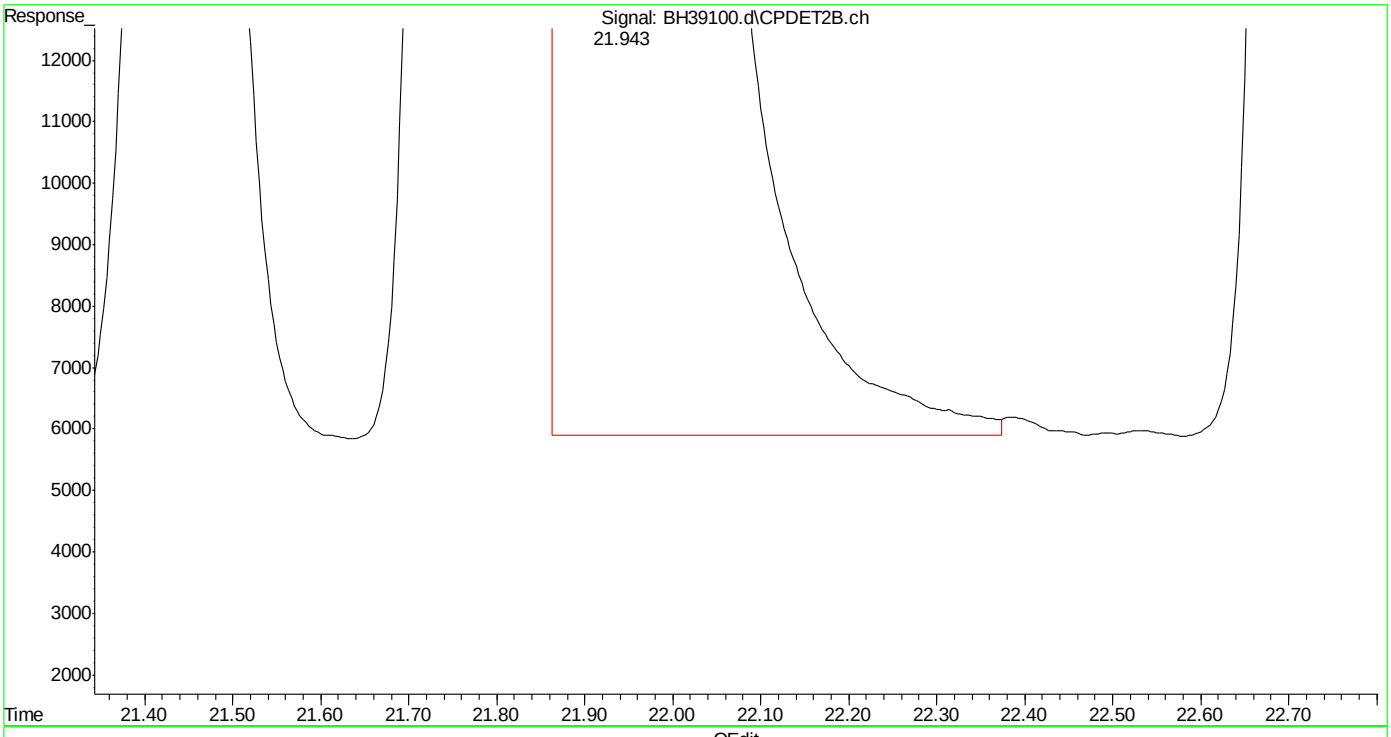
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.943min 87.167 ppb m
response 58143639

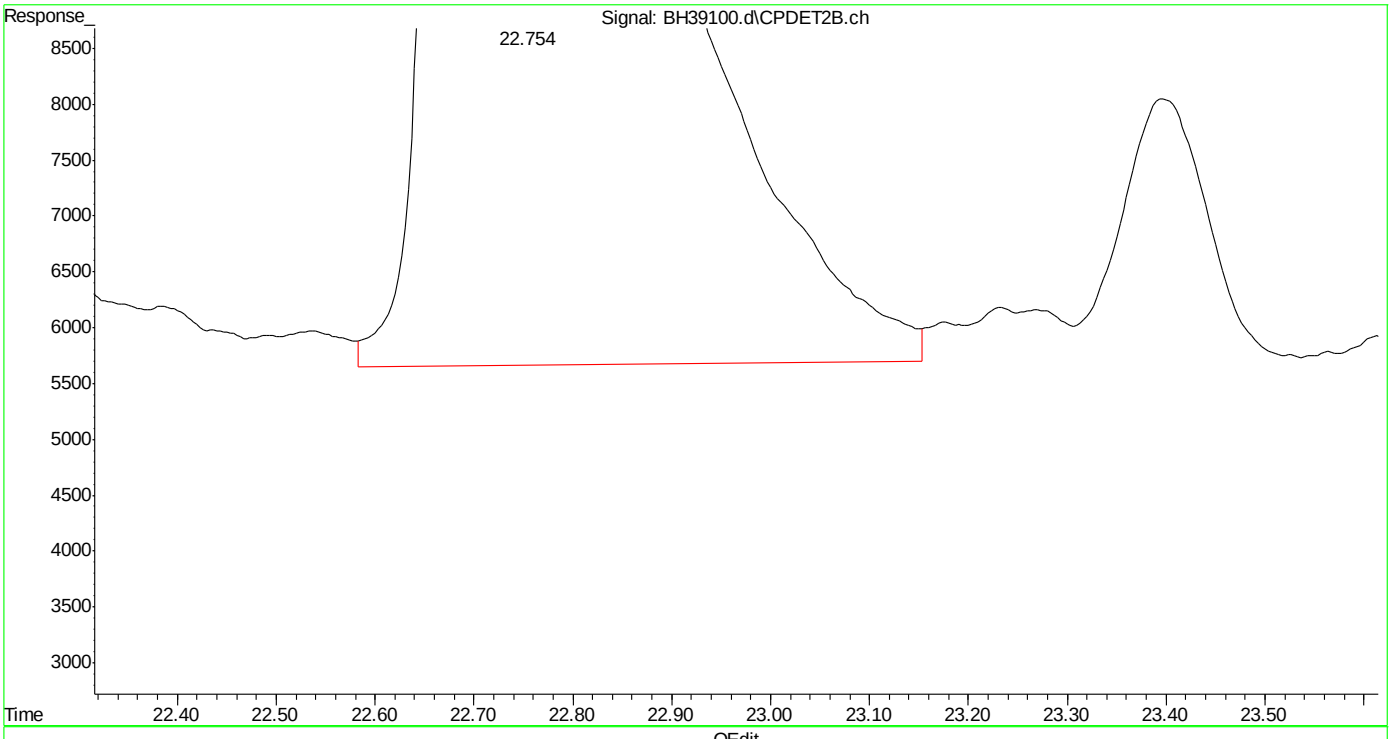
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:06:44 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.756min 42.985 ppb
response 25023728

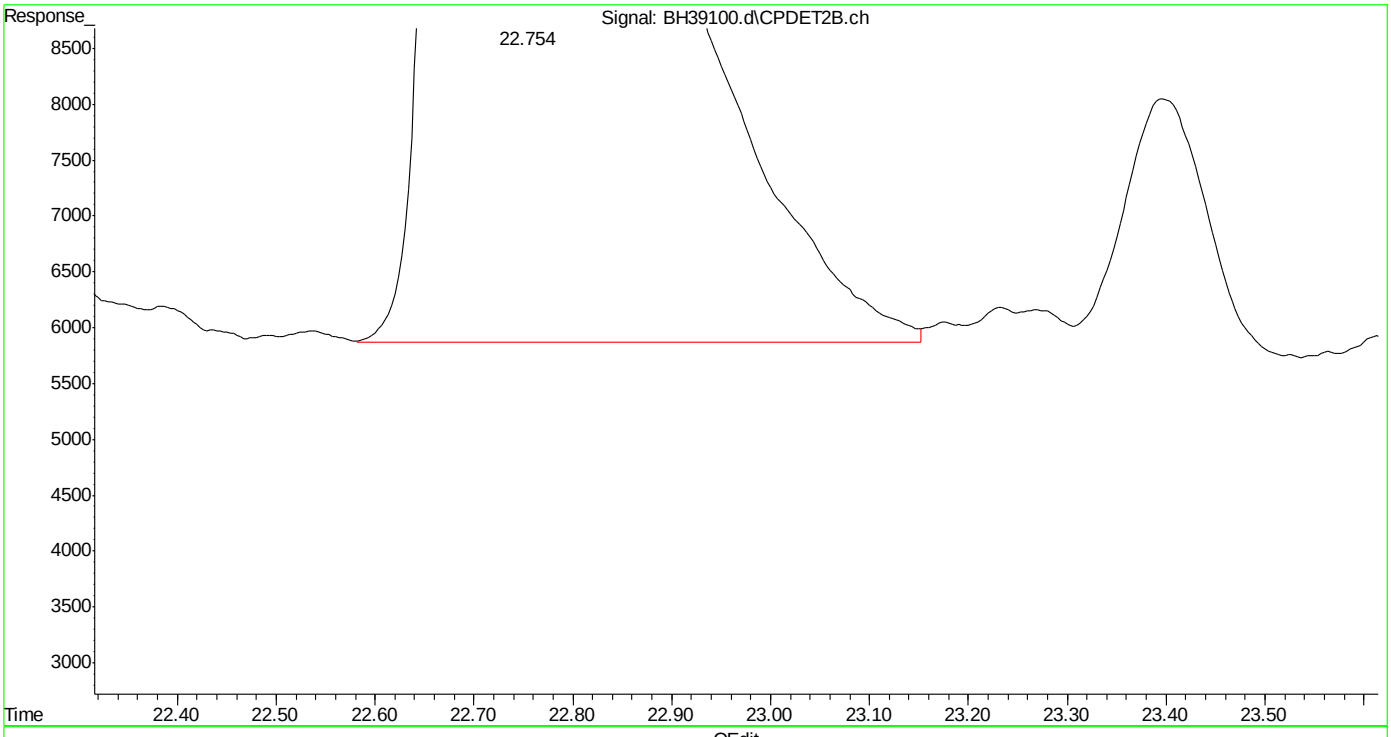
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 42.871 ppb m
response 24956889

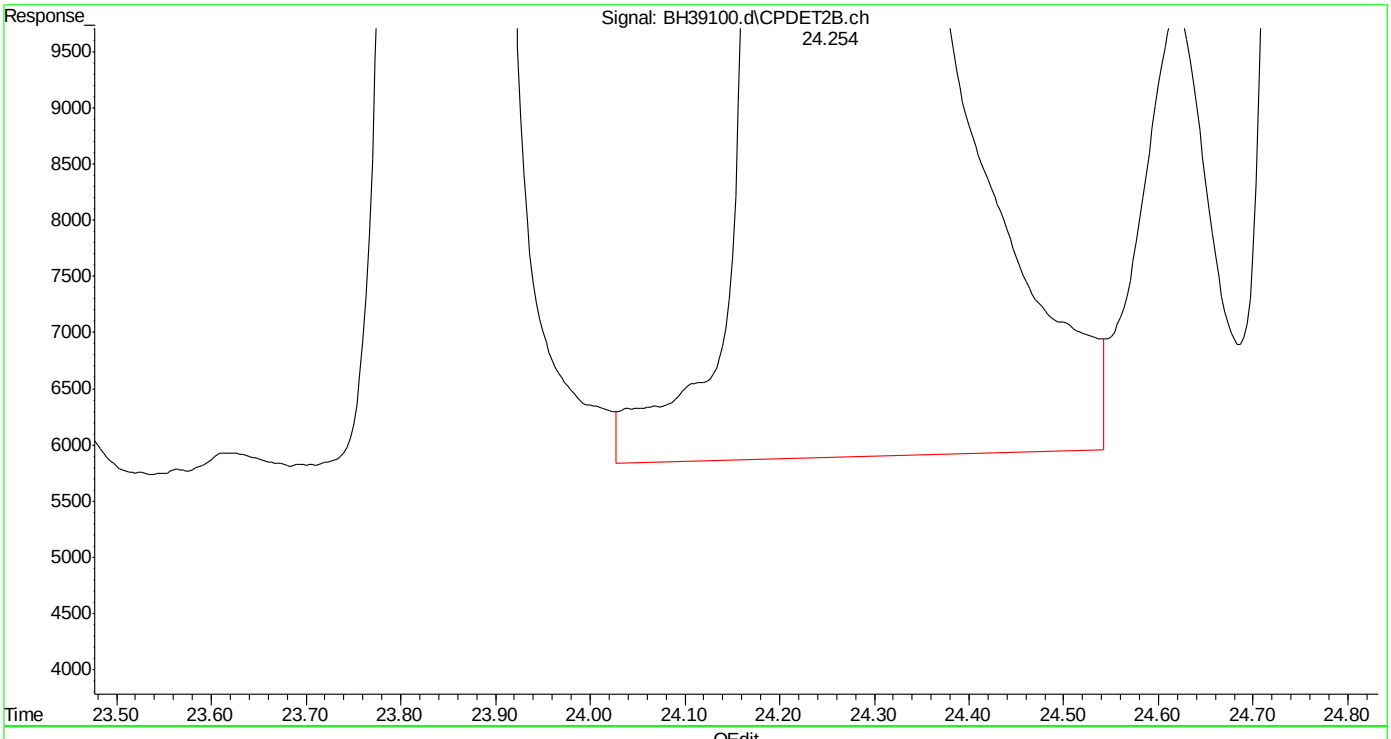
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:06:53 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)

24.255min 43.647 ppb

response 36473481

(+) = Expected Retention Time

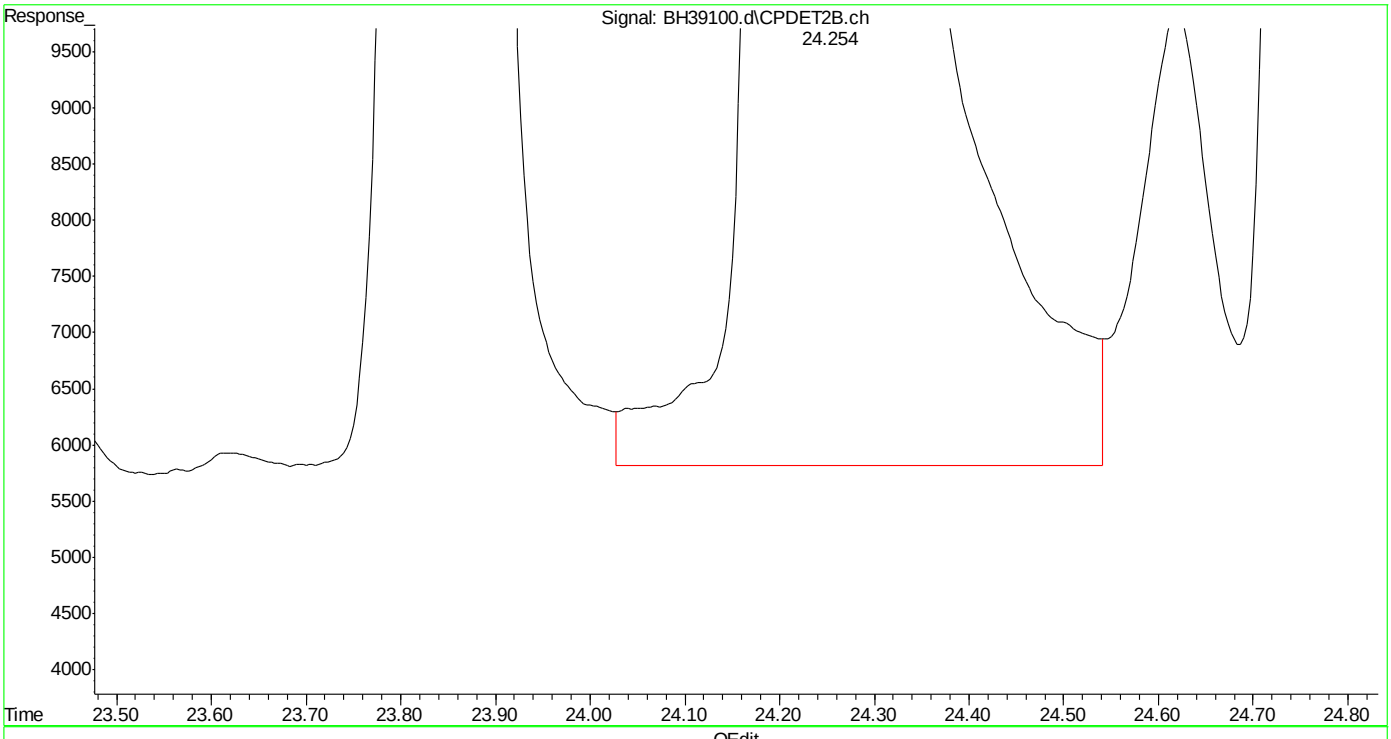
bh160506vph.m Fri May 06 09:06:57 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)

24.254min 43.678 ppb m

response 36499397

(+) = Expected Retention Time

bh160506vph.m Fri May 06 09:07:03 2016

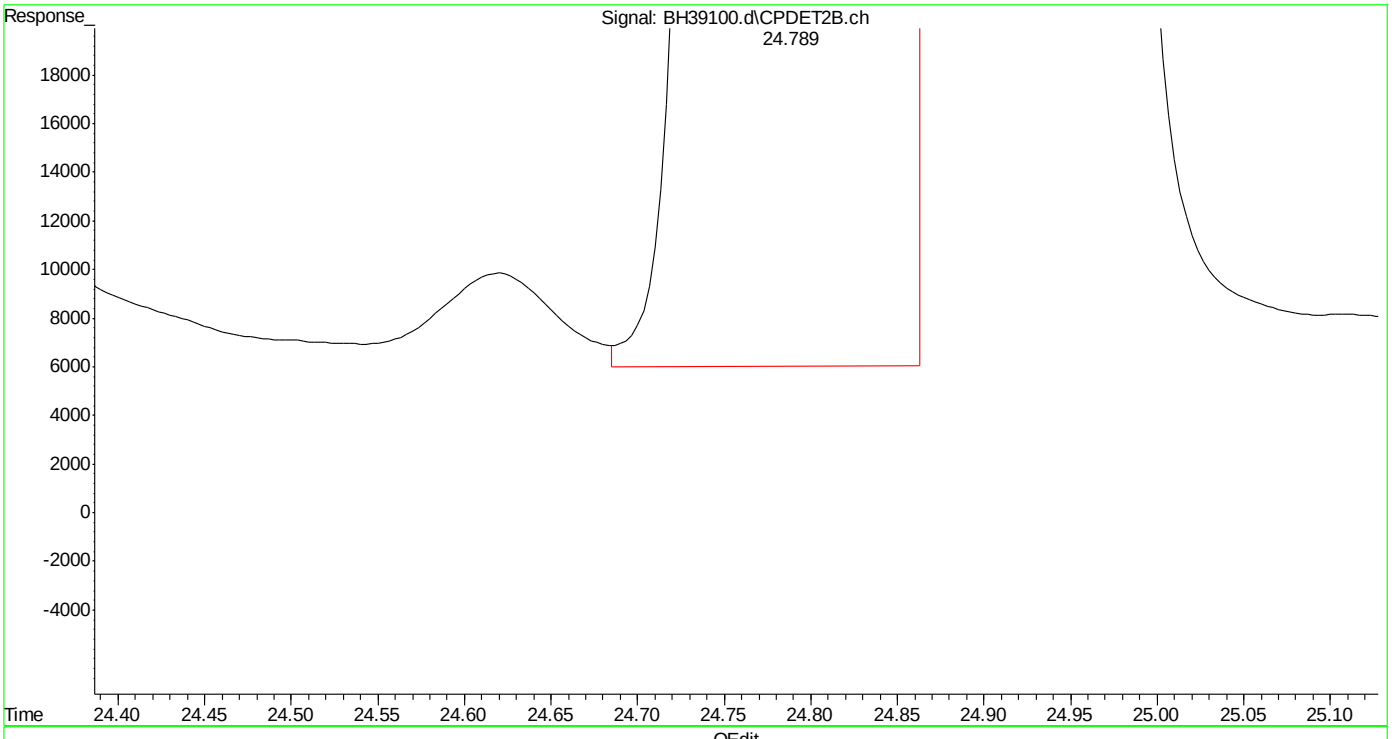
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.790min 43.548 ppb
response 28050399

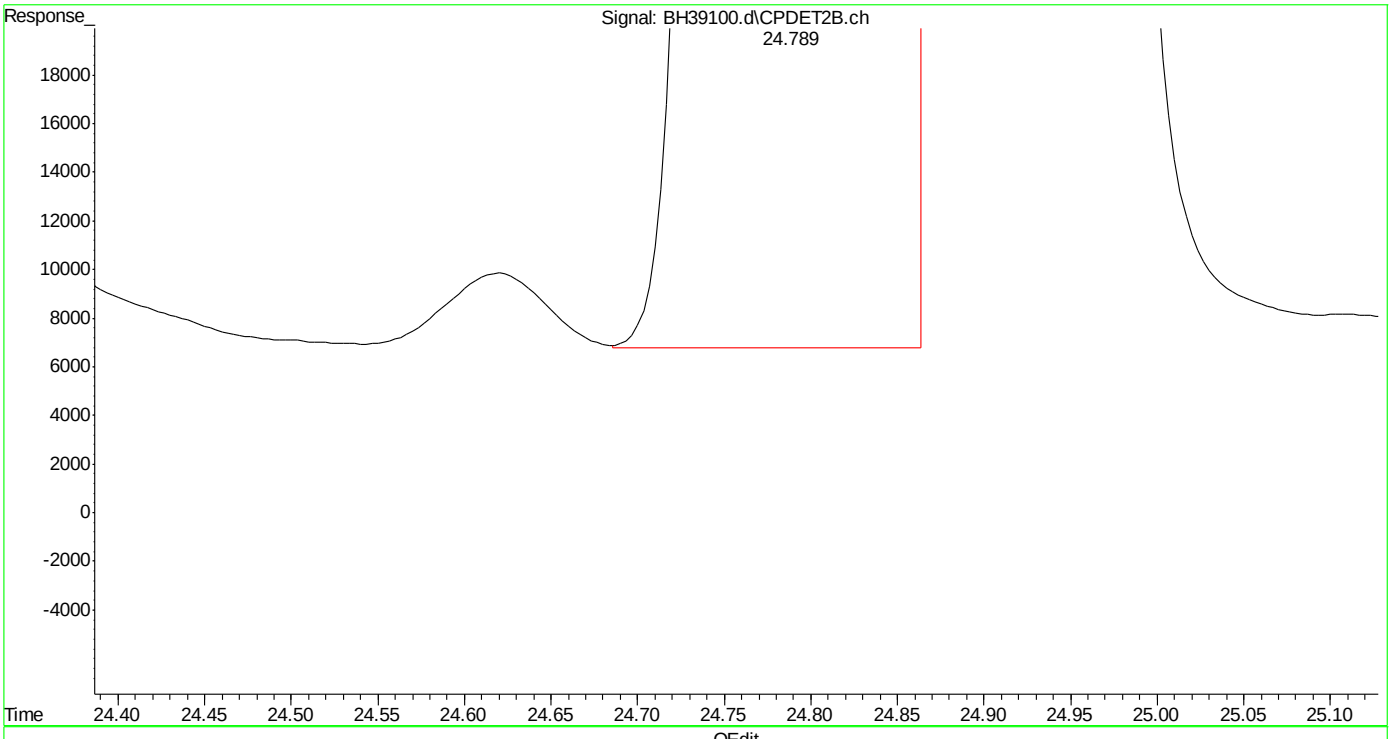
(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:07:10 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)

24.789min 43.571 ppb m

response 28064967

(+) = Expected Retention Time

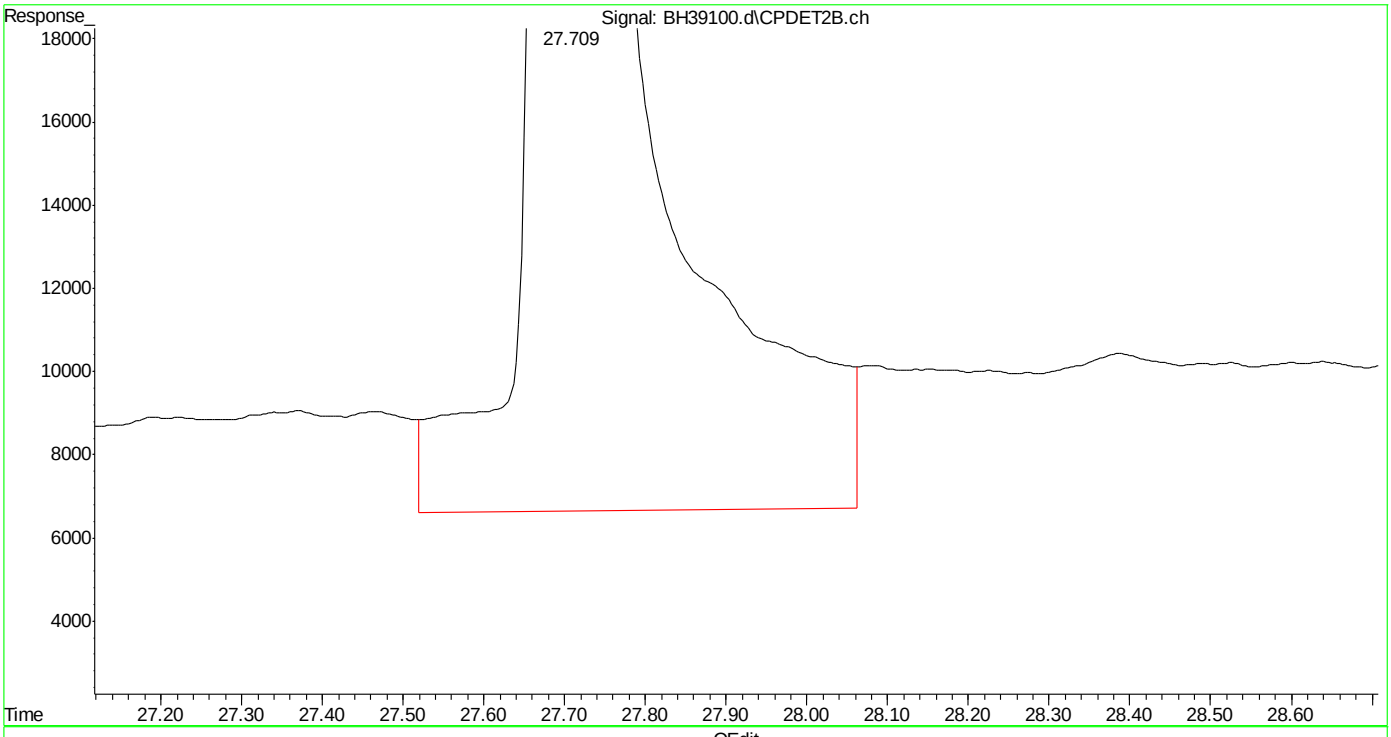
bh160506vph.m Fri May 06 09:07:19 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 48.403 ppb
response 26461742

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:07:23 2016

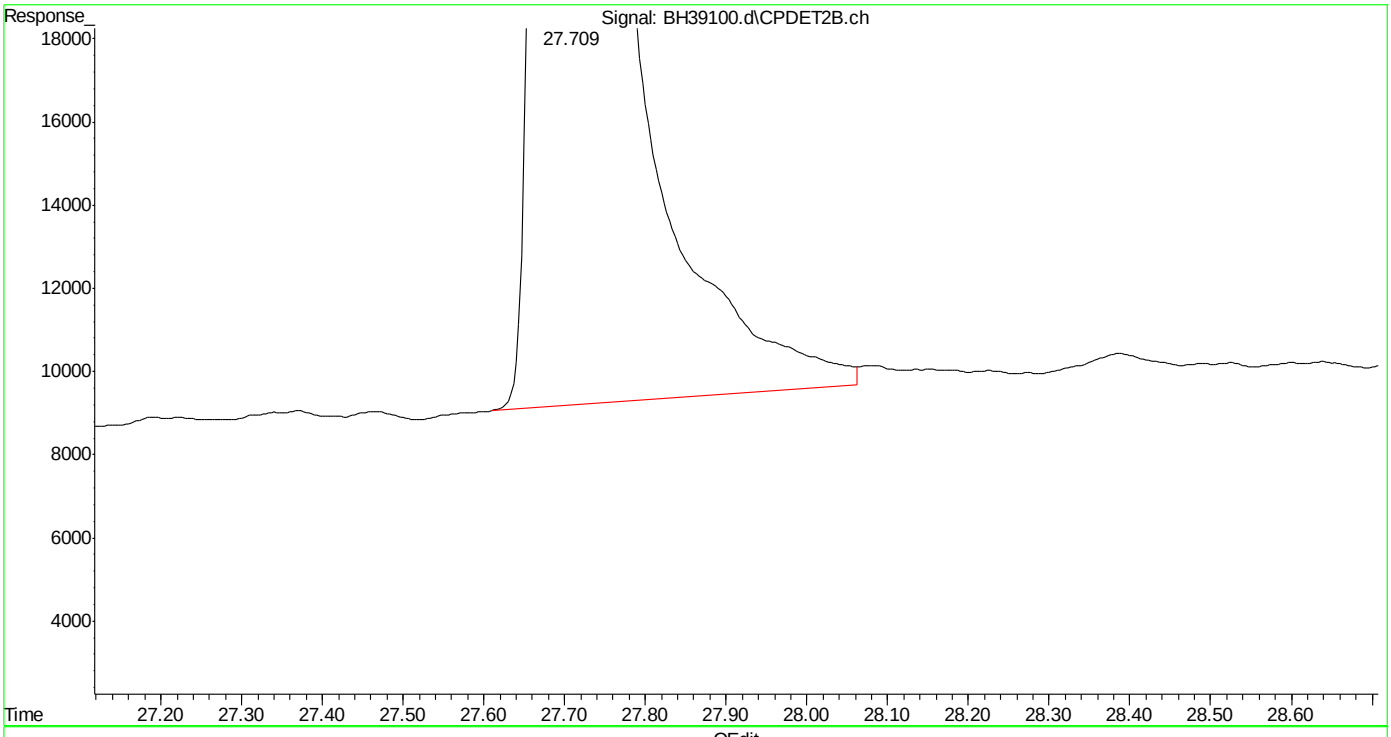
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39100.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 8:27 am
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 09:04:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.709min 46.830 ppb m
response 25602027

(+) = Expected Retention Time
bh160506vph.m Fri May 06 09:07:30 2016 Page: 1

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/09/16 11:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:10:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.670	41852120	44.572	ppb	m
Spiked Amount 50.000		Recovery = 89.14%			
6) s 2,3,4-trifluorotoluene	19.785	34572420	42.531	ppb	
Spiked Amount 50.000		Recovery = 85.06%			
16) s fluorobenzene #2	14.670	19142283	47.100	ppb	m
Spiked Amount 50.000		Recovery = 94.20%			
18) s 2,3,4-trifluorotoluen...	19.784	11291199	44.457	ppb	m
Spiked Amount 50.000		Recovery = 88.91%			
Target Compounds					
1) h rt5.5-7	5.980	34337537	33.249	ppb	m
2) h rt7/10	8.250	40683621	39.393	ppb	m
3) h rt10/13	13.360	49144676	47.586	ppb	m
8) h rt20/25	21.460	45176242	37.560	ppb	m
10) h decane	23.856	45513174	37.840	ppb	m
11) h butylcyclohexane	24.940	50509041	41.994	ppb	m
14) t mtbe #2	9.017	13606993	48.389	ppb	
15) t benzene #2	14.167	29205347	44.407	ppb	m
17) t toluene #2	18.664	27389787	44.414	ppb	m
19) t ethylbenzene #2	21.799	24324418	44.456	ppb	
20) t m,p-xylene #2	21.941	59423348	89.085	ppb	m
21) t o-xylene #2	22.753	25380924	43.599	ppb	m
22) t 1,3,5-trimethylbenzen...	24.254	37165374	44.475	ppb	
23) t 1,2,4-trimethylbenzen...	24.788	28499654	44.246	ppb	m
24) t naphthalene #2	27.707	25569599	46.771	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	28548009	44.327	ppb	m

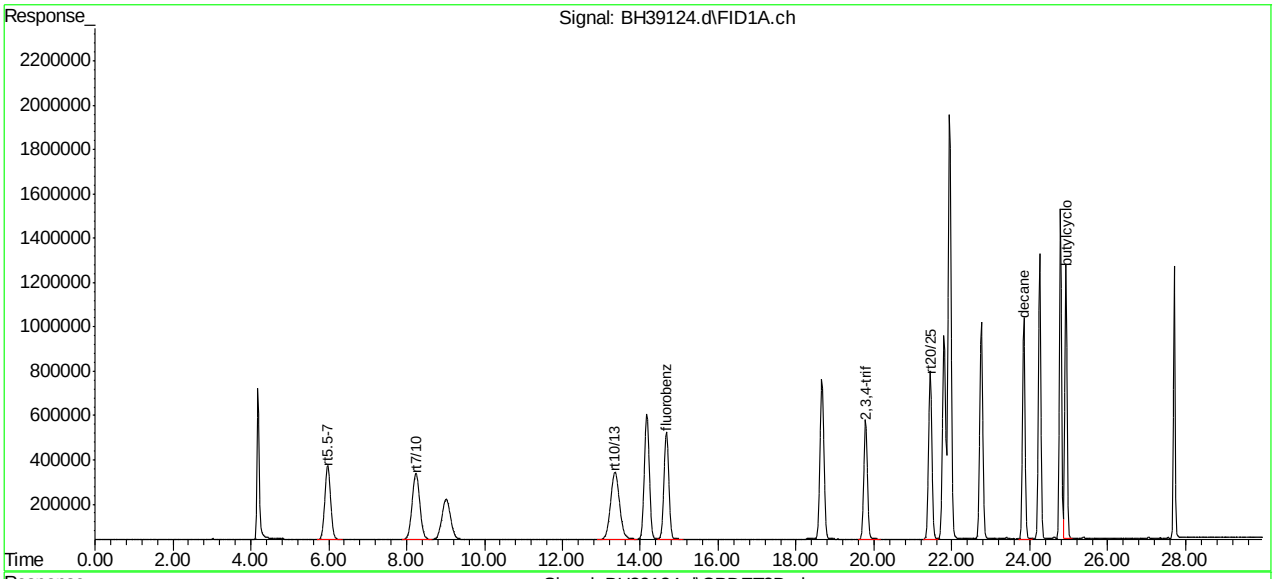
(f)=RT Delta > 1/2 Window (m)=manual int.

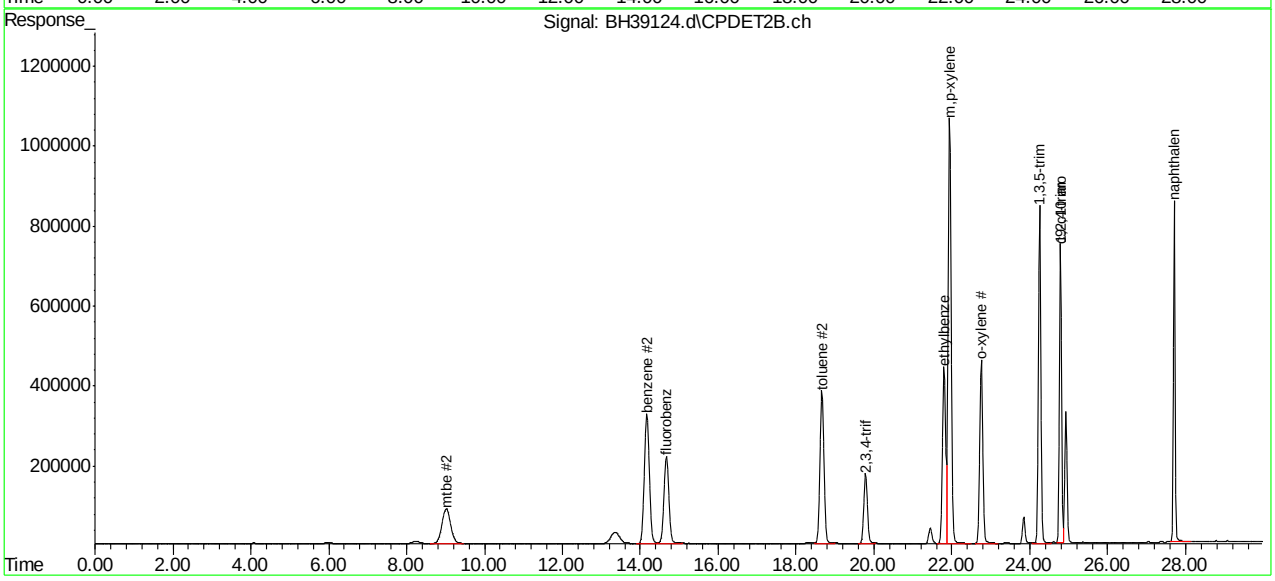
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

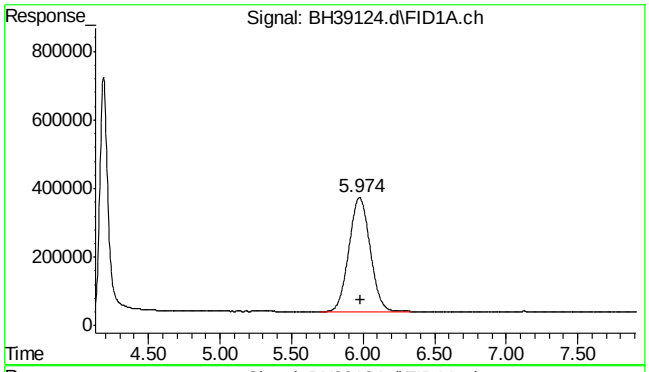
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:10:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



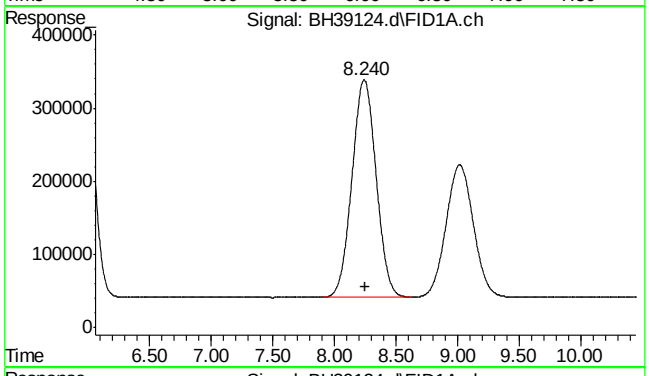


SGS ACCUTEST MC45754



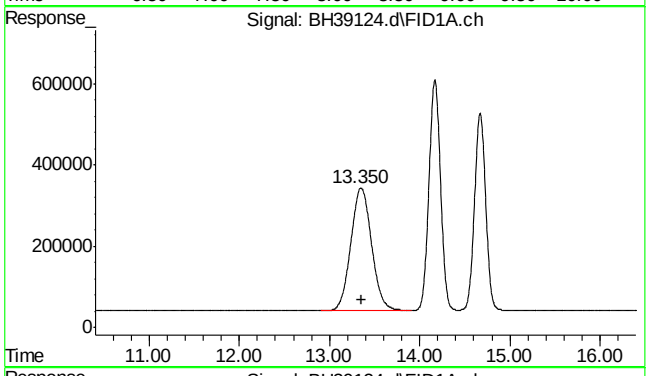
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 34337537
Conc: 33.25 ppb m



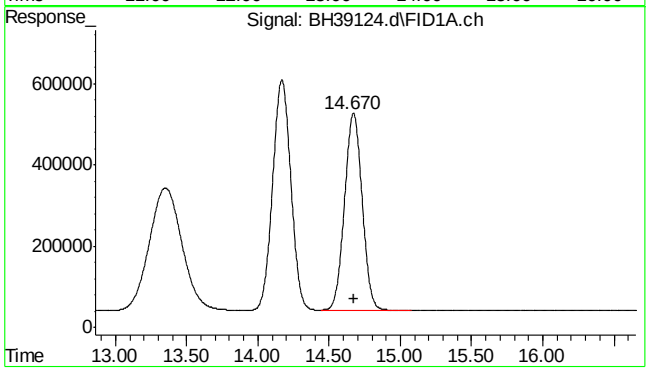
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 40683621
Conc: 39.39 ppb m



#3 rt10/13

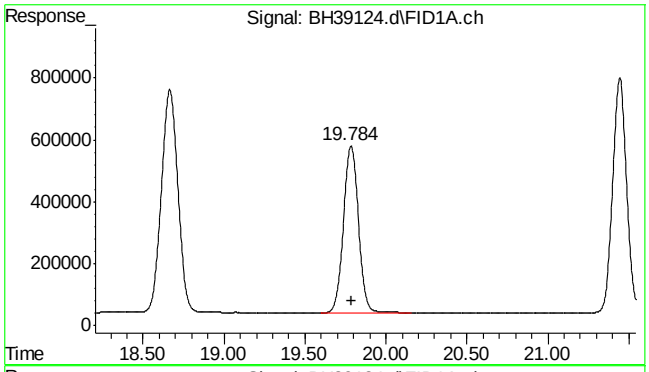
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 49144676
Conc: 47.59 ppb m



#4 fluorobenzene

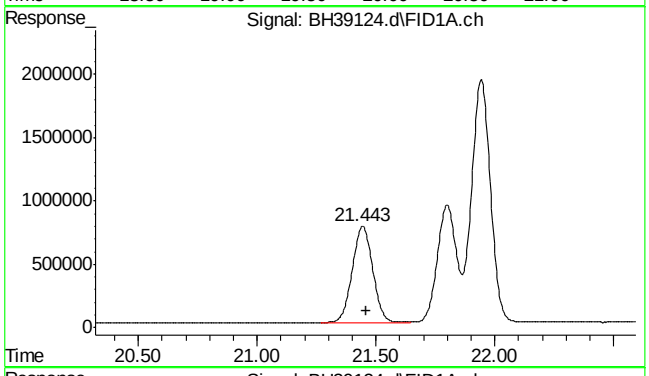
R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 41852120
Conc: 44.57 ppb m

SGS ACCUTEST MC45754



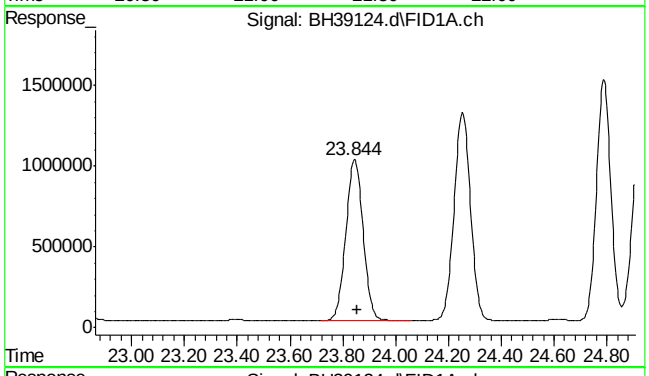
#6 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 34572420
Conc: 42.53 ppb



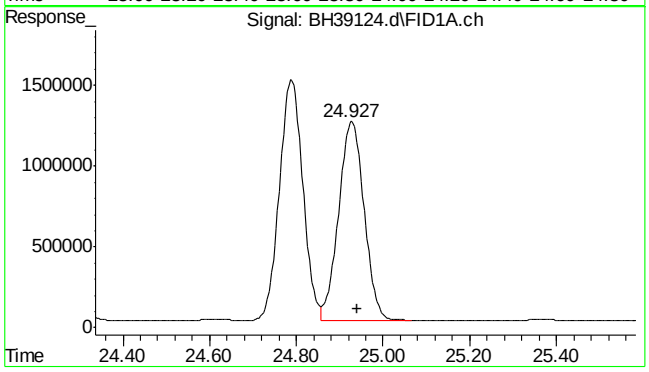
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 45176242
Conc: 37.56 ppb m



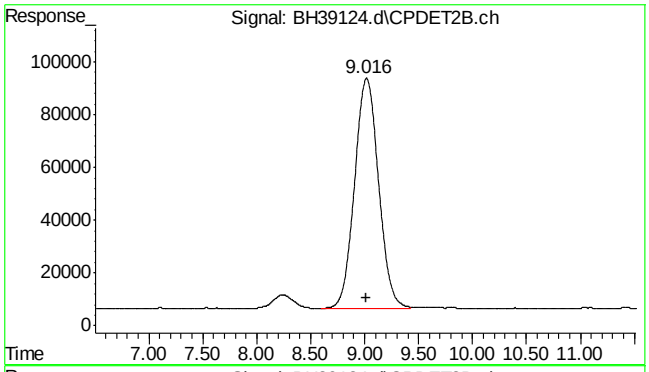
#10 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 45513174
Conc: 37.84 ppb m



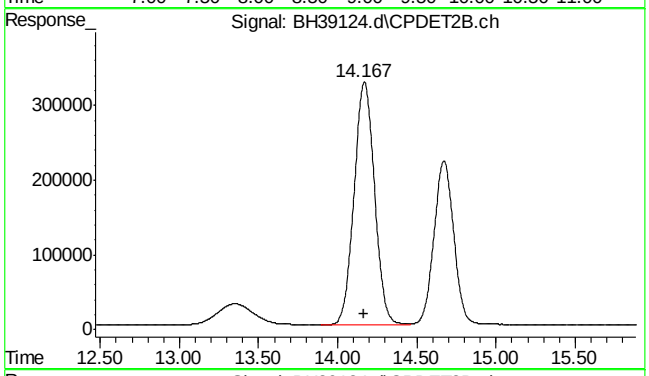
#11 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 50509041
Conc: 41.99 ppb m



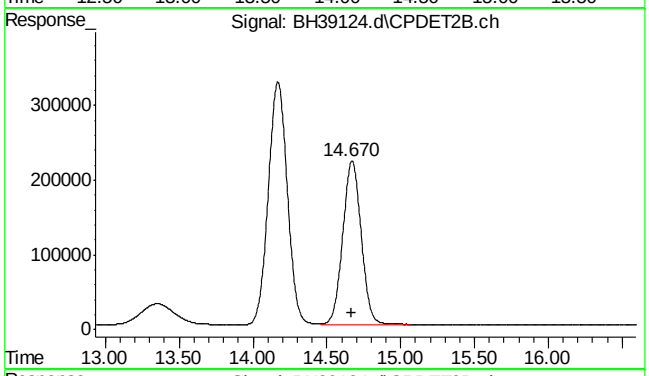
#14 mtbe #2

R.T.: 9.017 min
Delta R.T.: 0.001 min
Response: 13606993
Conc: 48.39 ppb



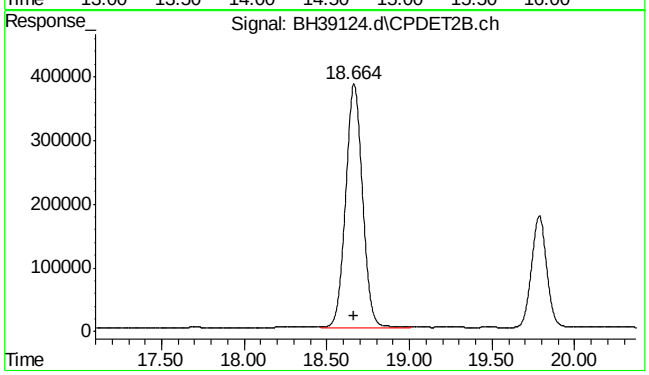
#15 benzene #2

R.T.: 14.167 min
Delta R.T.: -0.003 min
Response: 29205347
Conc: 44.41 ppb m



#16 fluorobenzene #2

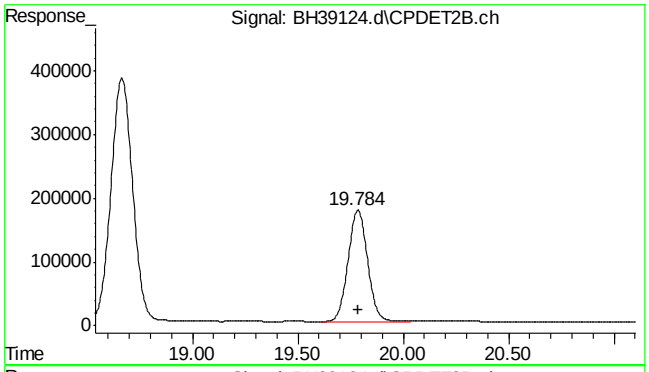
R.T.: 14.670 min
Delta R.T.: -0.001 min
Response: 19142283
Conc: 47.10 ppb m



#17 toluene #2

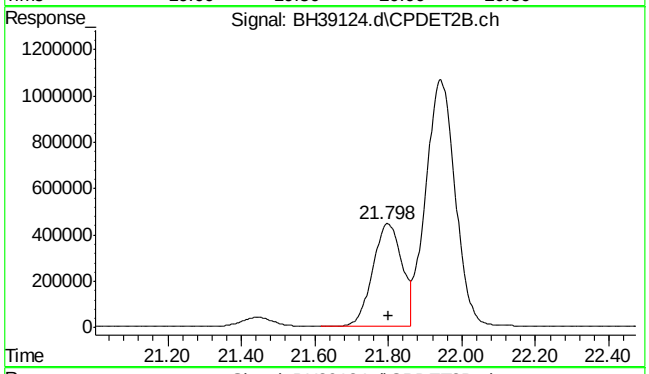
R.T.: 18.664 min
Delta R.T.: -0.002 min
Response: 27389787
Conc: 44.41 ppb m

SGS ACCUTEST MC45754



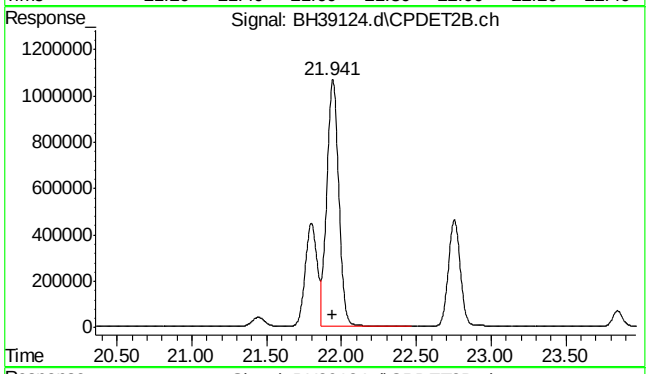
#18 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: -0.001 min
Response: 11291199
Conc: 44.46 ppb m



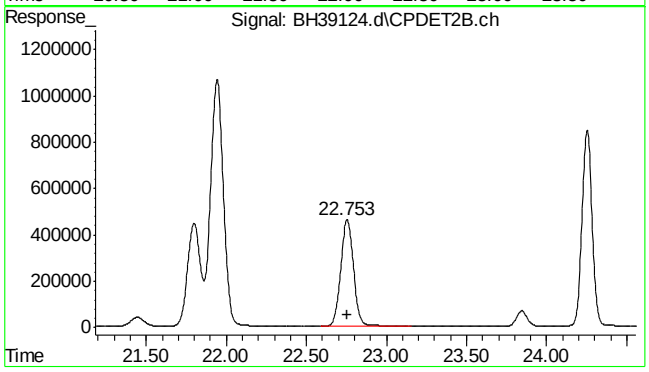
#19 ethylbenzene #2

R.T.: 21.799 min
Delta R.T.: 0.000 min
Response: 24324418
Conc: 44.46 ppb



#20 m,p-xylene #2

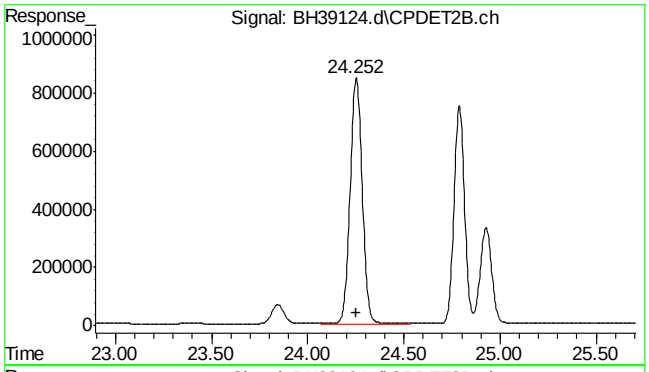
R.T.: 21.941 min
Delta R.T.: -0.002 min
Response: 59423348
Conc: 89.09 ppb m



#21 o-xylene #2

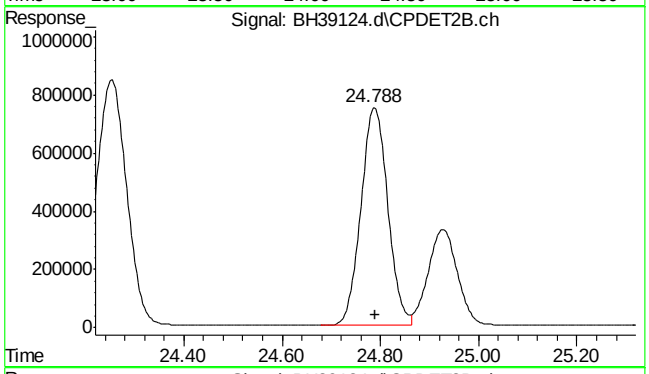
R.T.: 22.753 min
Delta R.T.: -0.002 min
Response: 25380924
Conc: 43.60 ppb m

SGS ACCUTEST MC45754



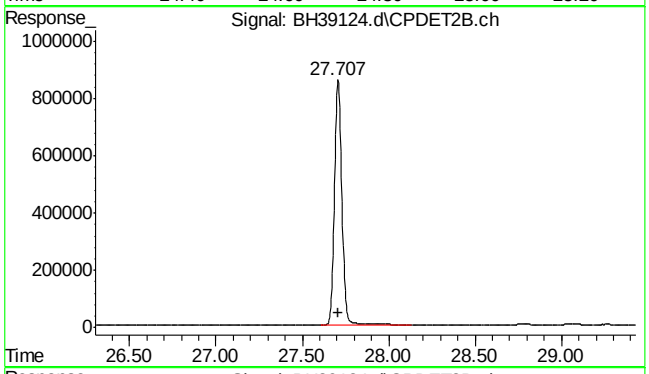
#22 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.000 min
Response: 37165374
Conc: 44.48 ppb



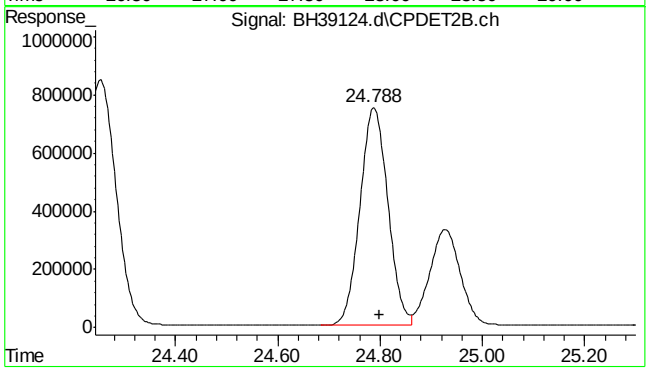
#23 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: -0.002 min
Response: 28499654
Conc: 44.25 ppb m



#24 naphthalene #2

R.T.: 27.707 min
Delta R.T.: -0.002 min
Response: 25569599
Conc: 46.77 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 28548009
Conc: 44.33 ppb m

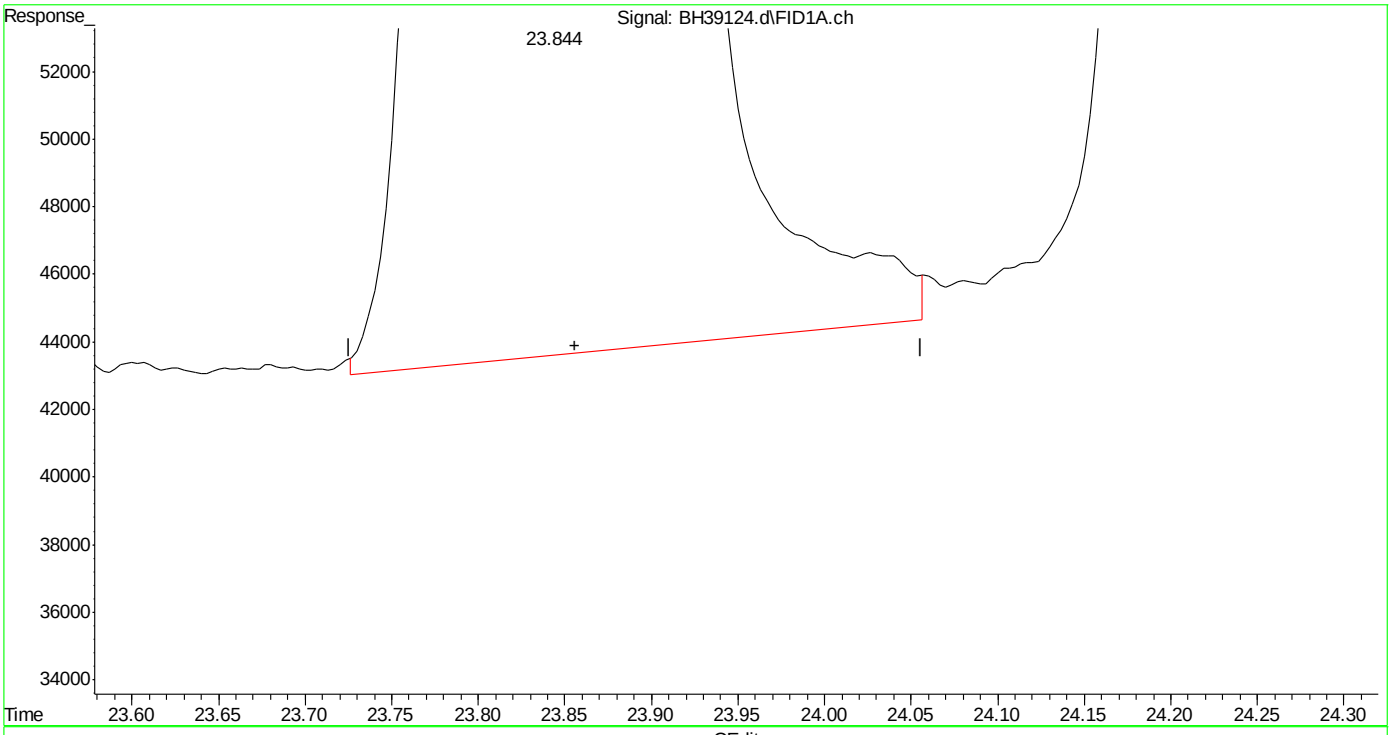
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 37.710 ppb
response 45356092

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:06:30 2016

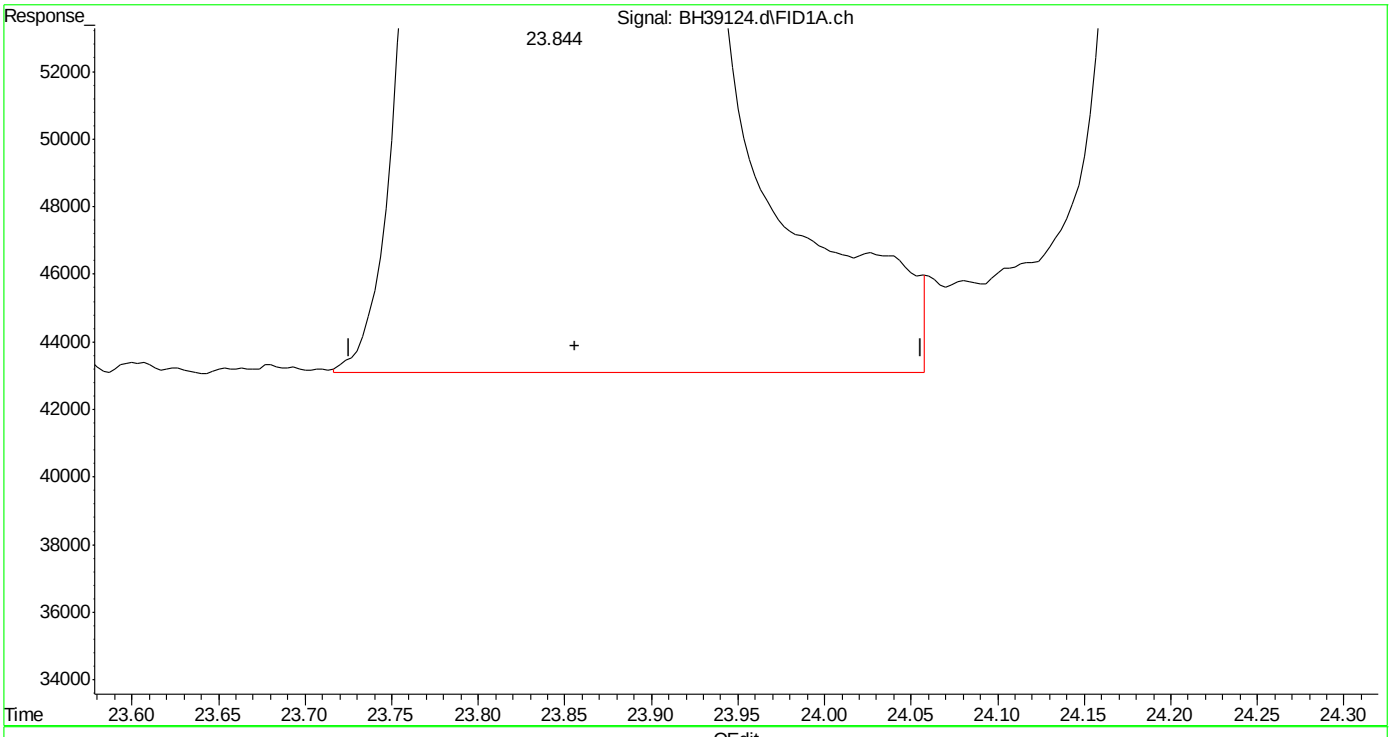
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 37.840 ppb m
response 45513174

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:06:38 2016

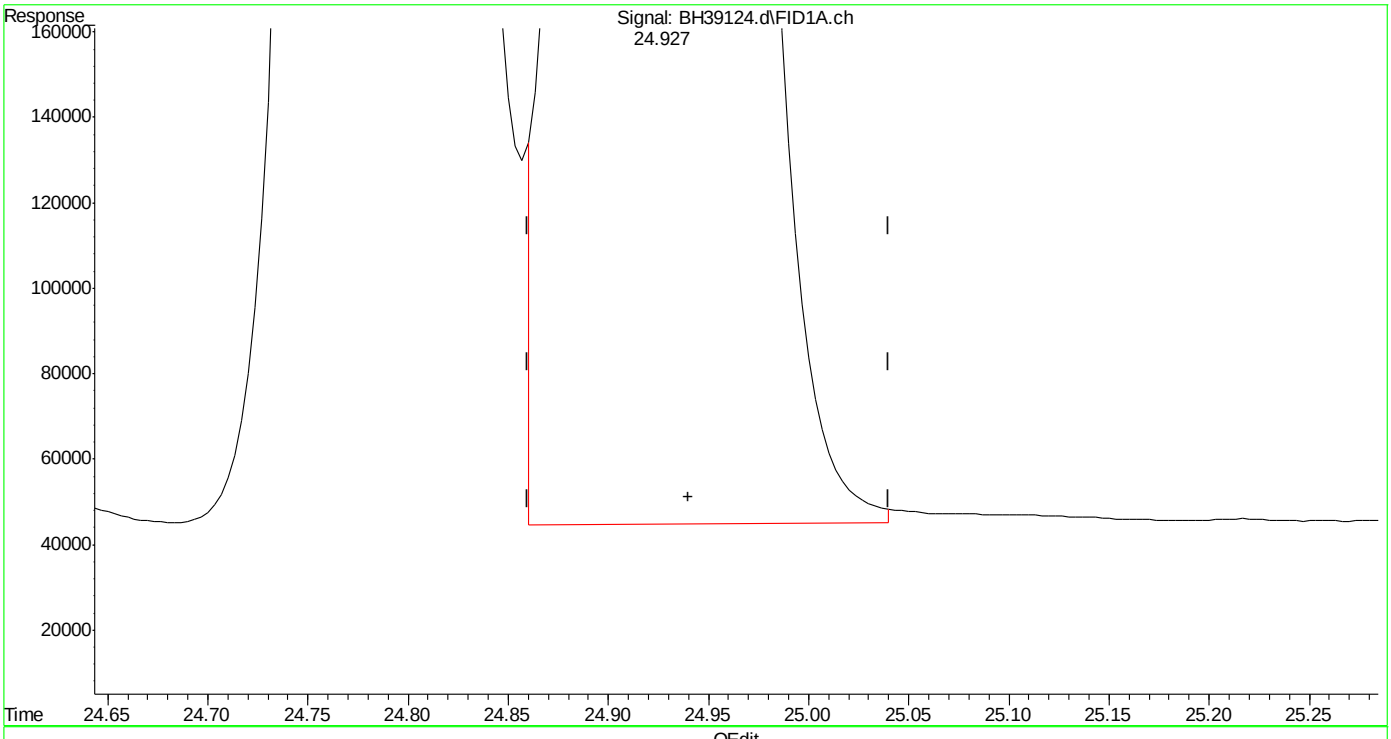
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 41.655 ppb
response 50100634

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:06:42 2016

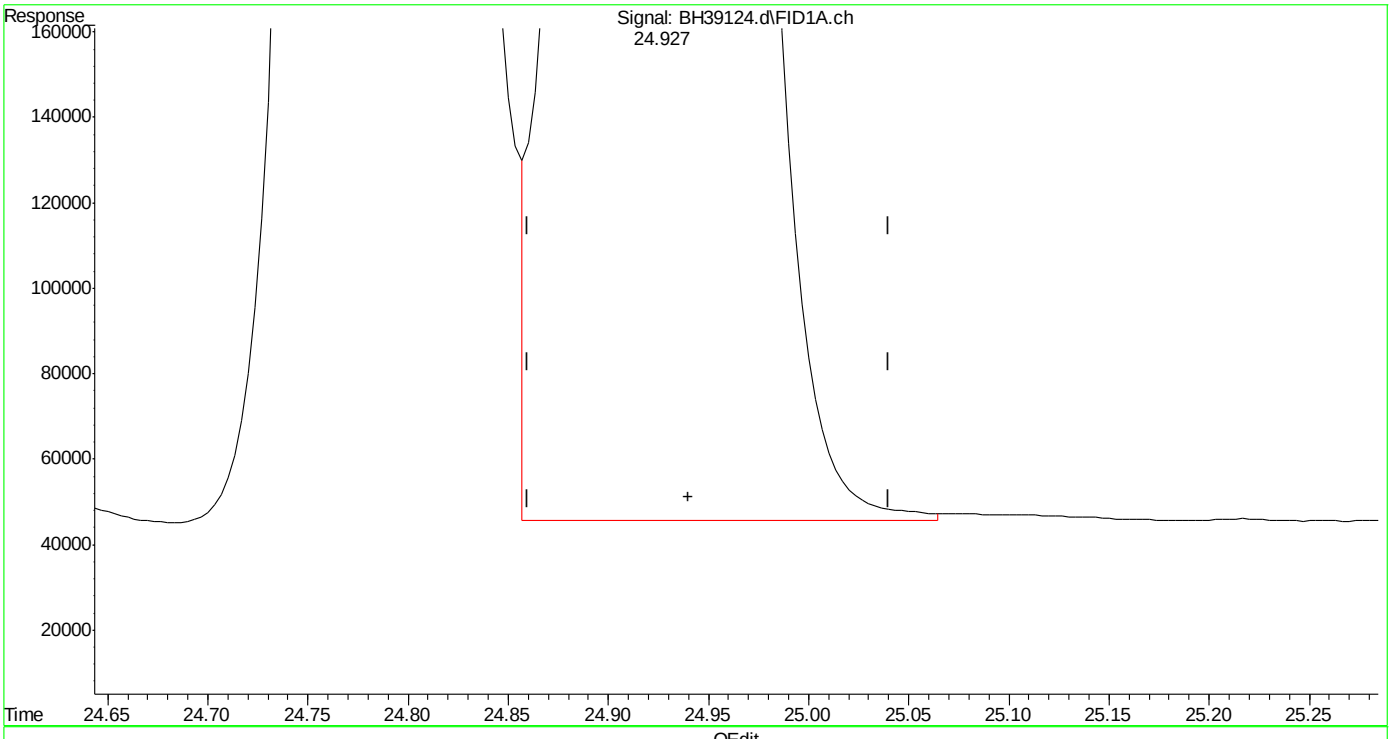
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:05:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 41.994 ppb m
response 50509041

(+) = Expected Retention Time

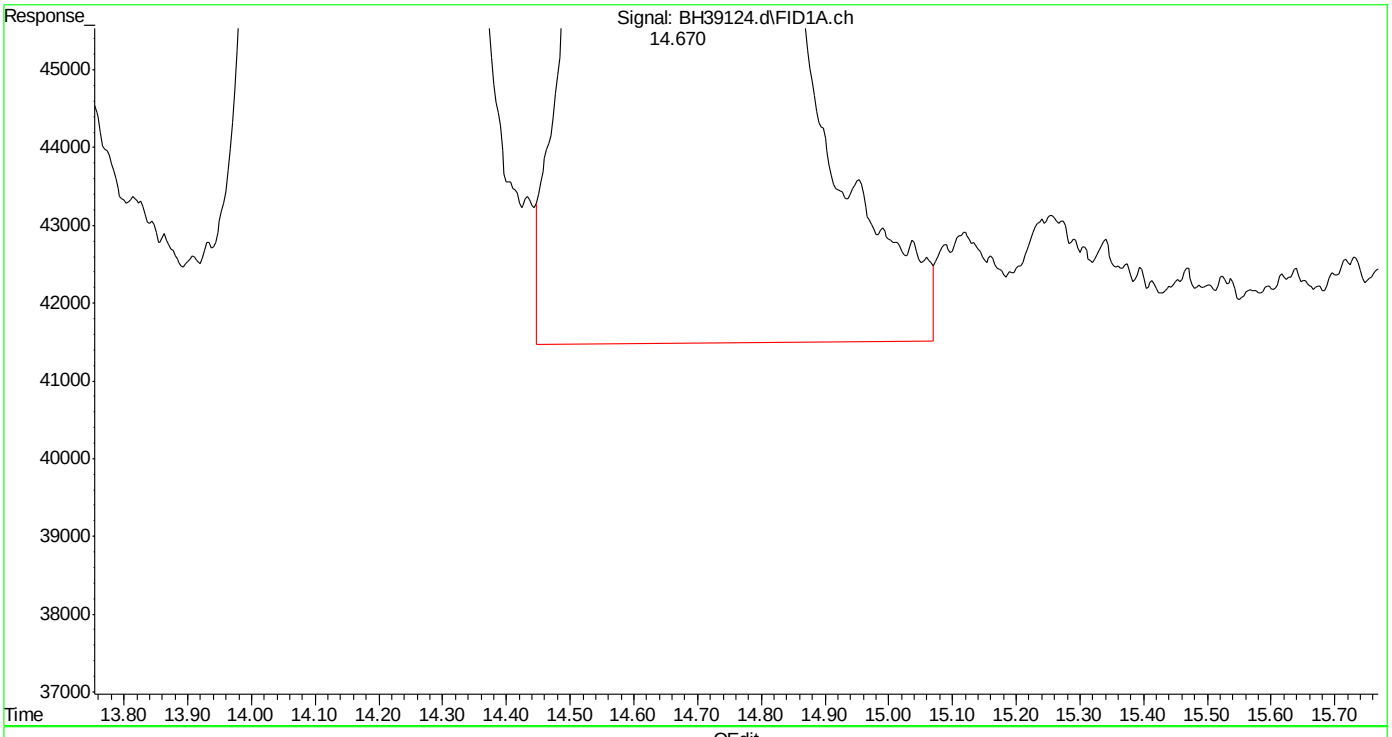
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 44.955 ppb
response 42211288

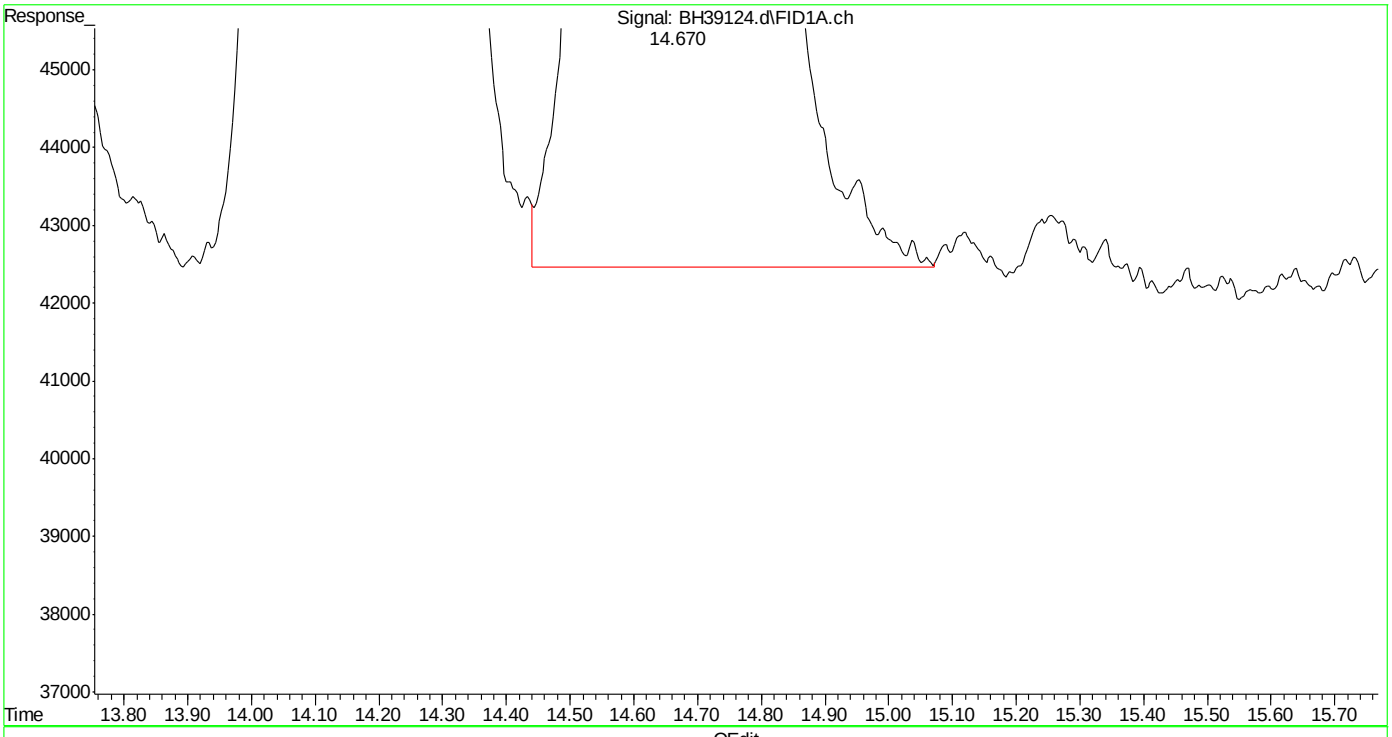
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:07:40 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 44.572 ppb m
response 41852120

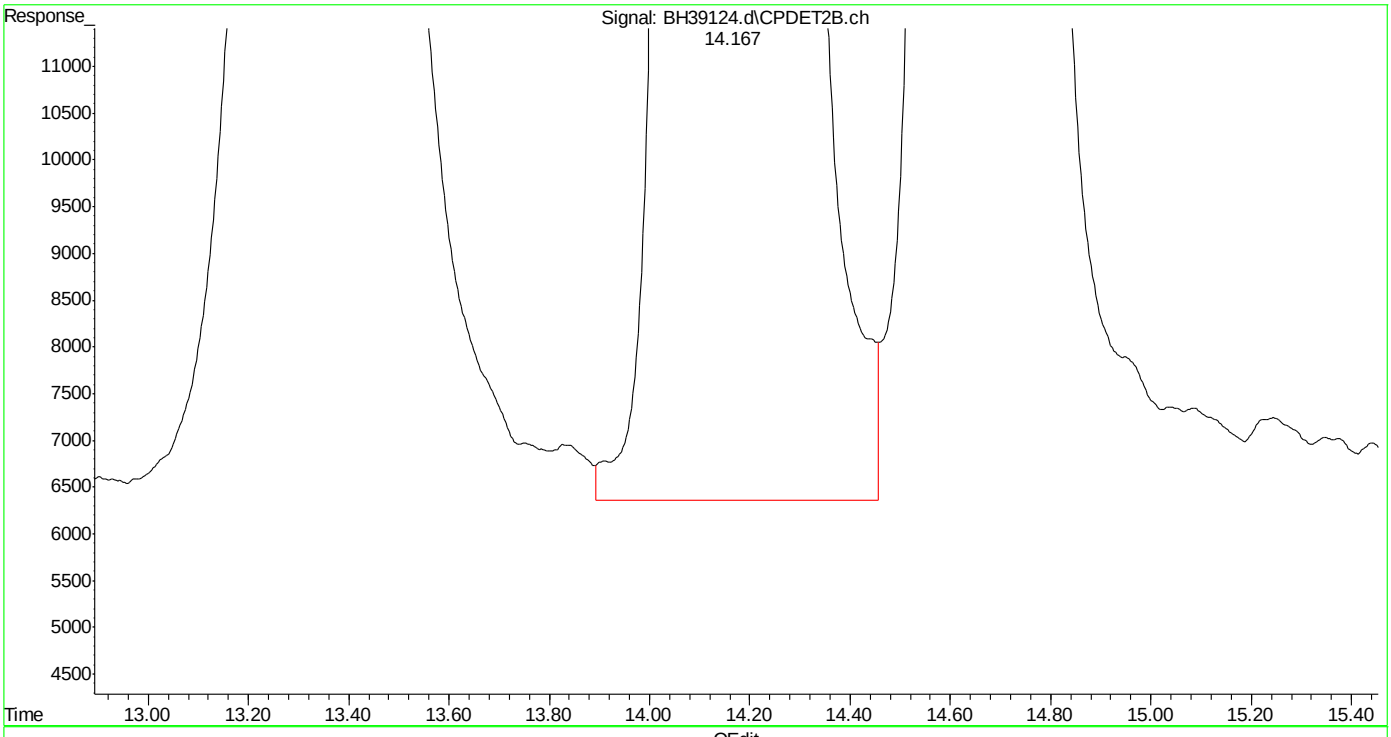
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:07:47 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.169min 44.492 ppb
response 29261729

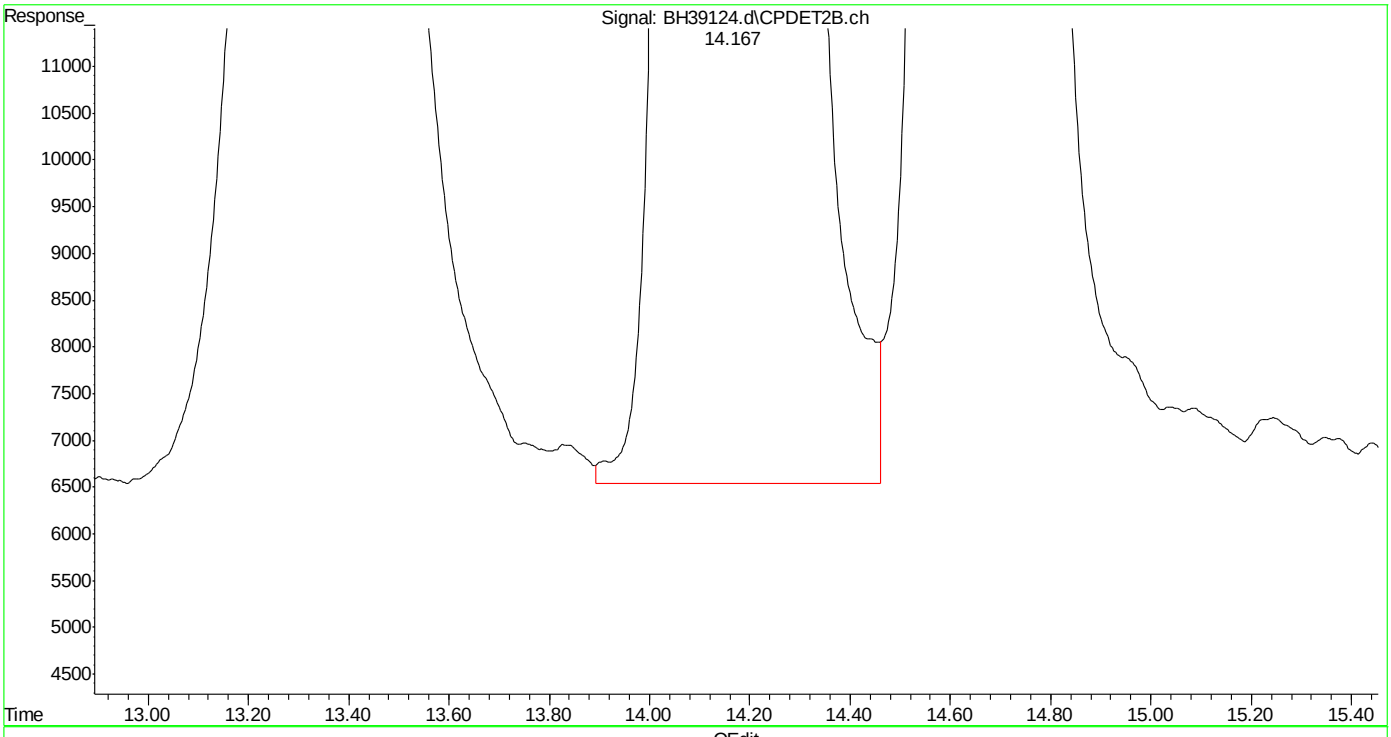
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:08:56 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.167min 44.407 ppb m
response 29205347

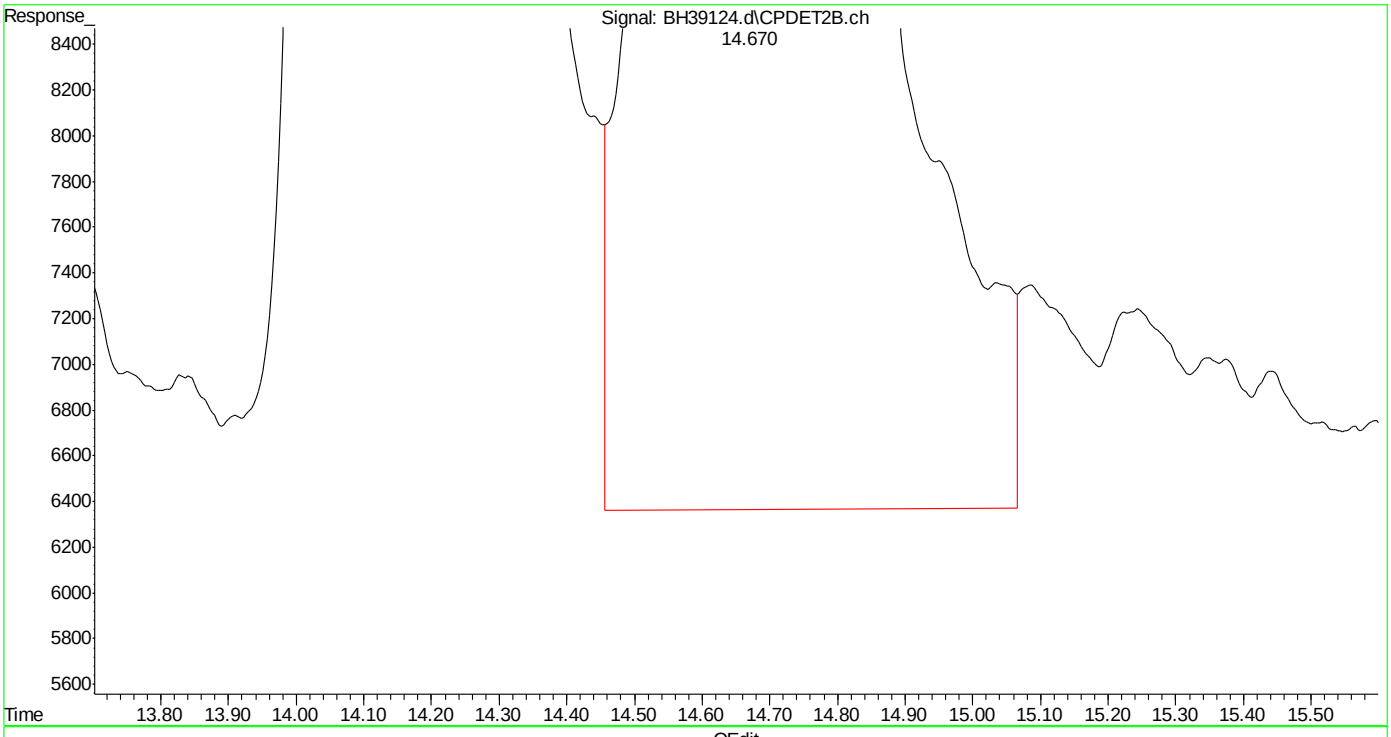
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:06 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 47.424 ppb
response 19273697

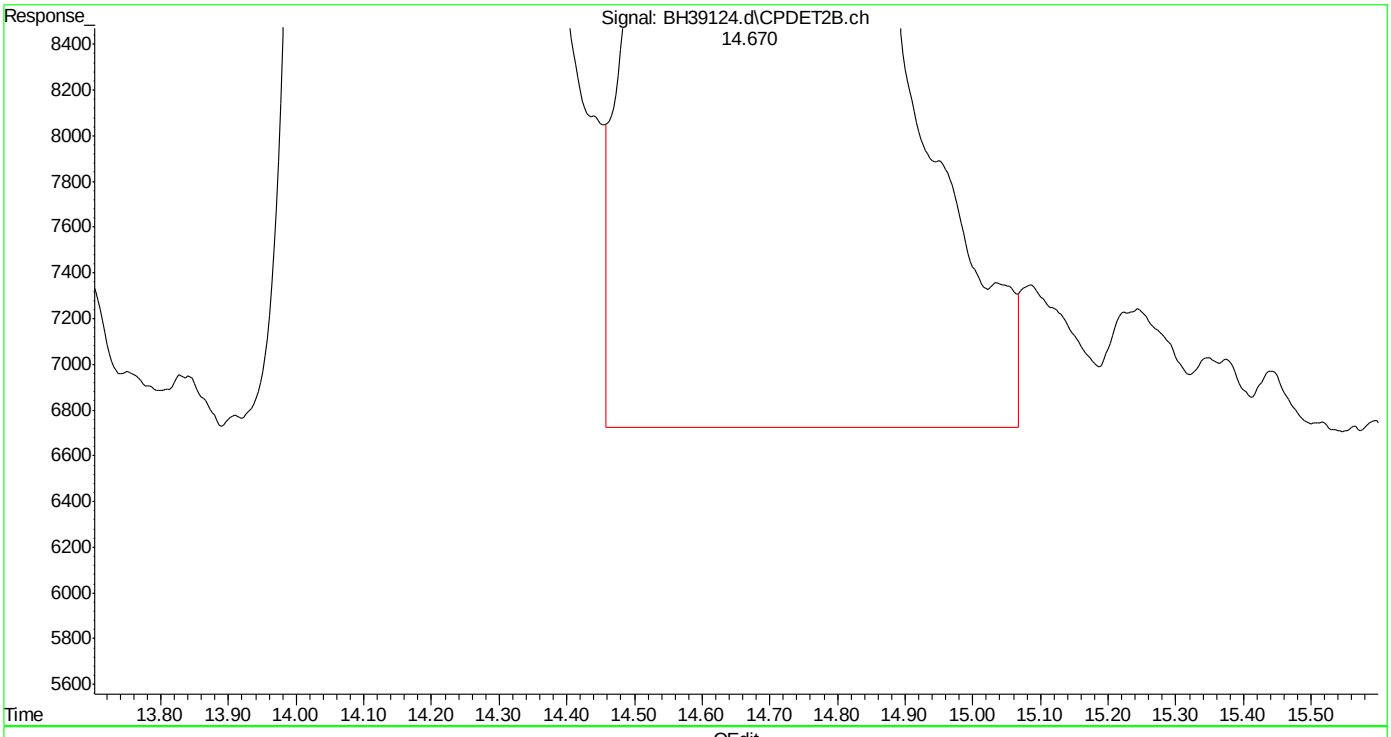
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:11 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 47.100 ppb m
response 19142283

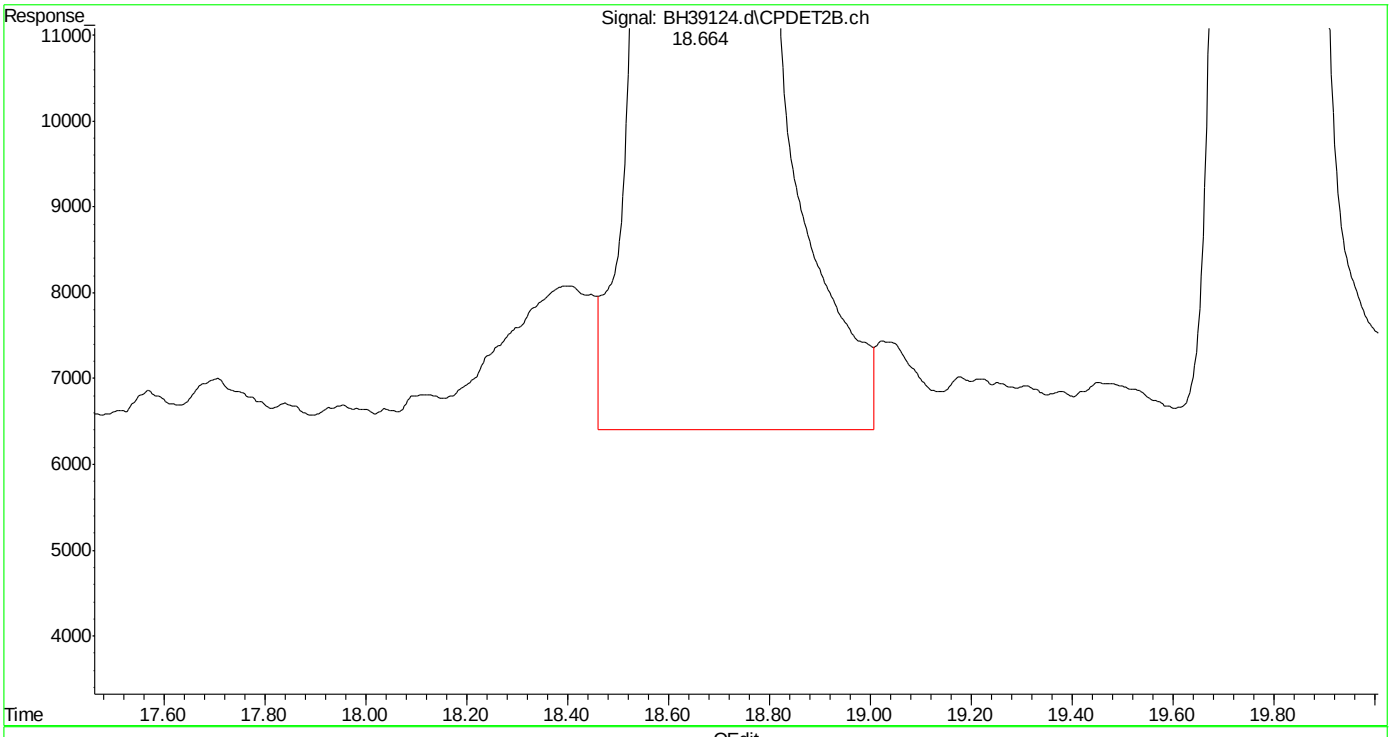
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:18 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 44.522 ppb
response 27456465

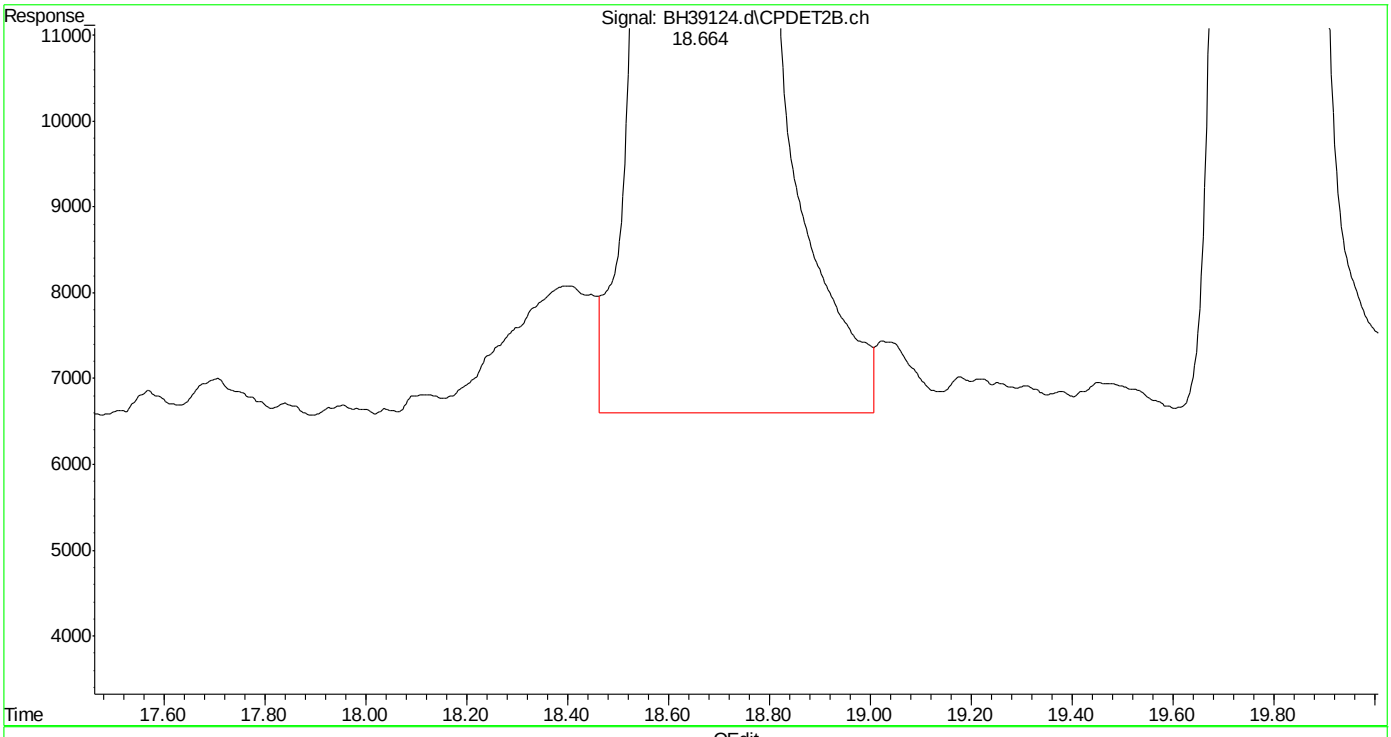
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:23 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 44.414 ppb m
response 27389787

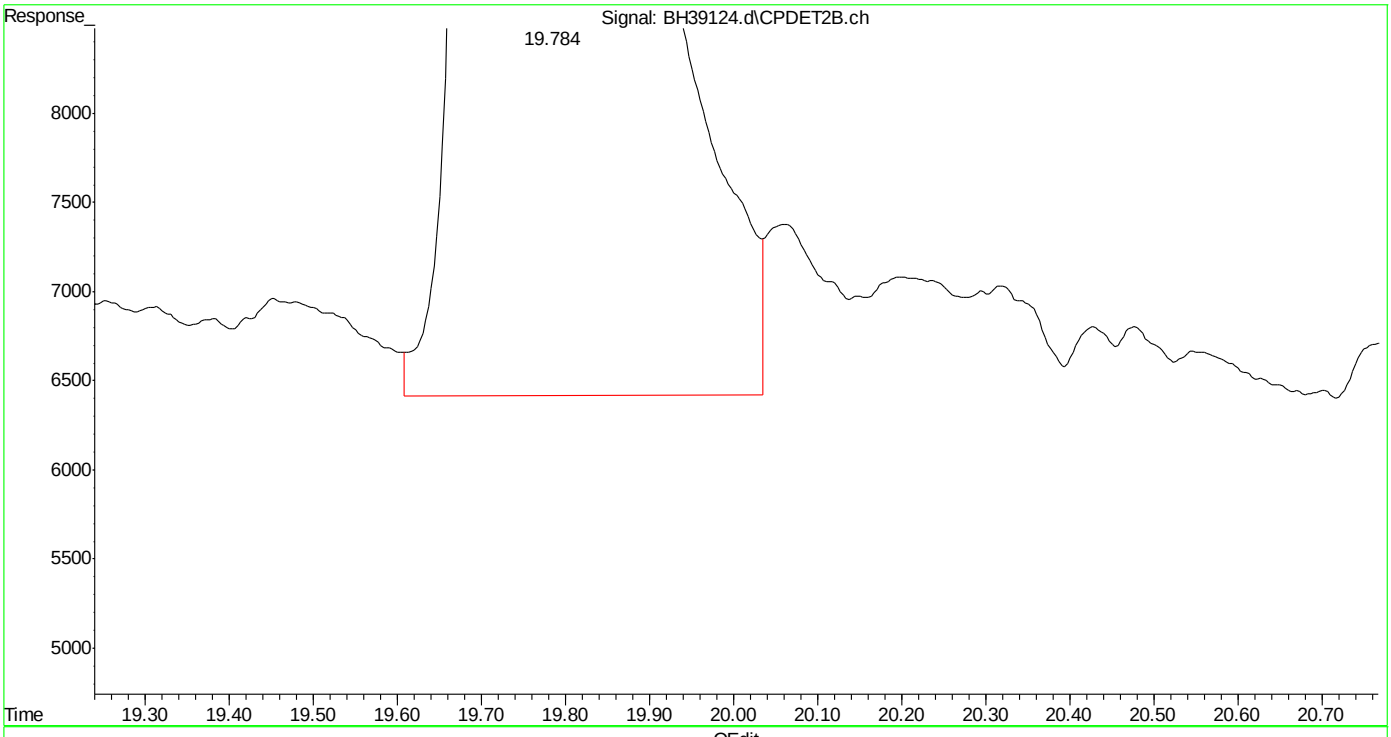
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:30 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 44.692 ppb
response 11350827

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:35 2016

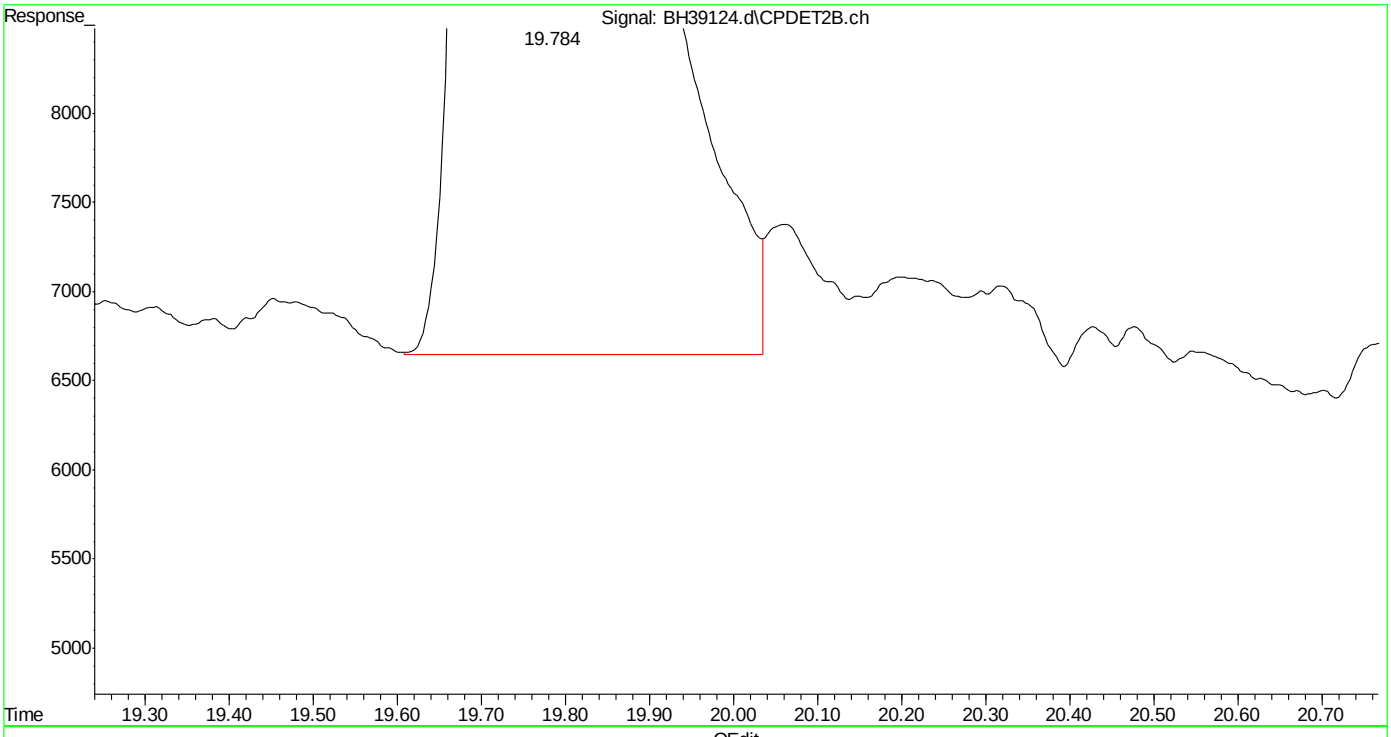
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.784min 44.457 ppb m
response 11291199

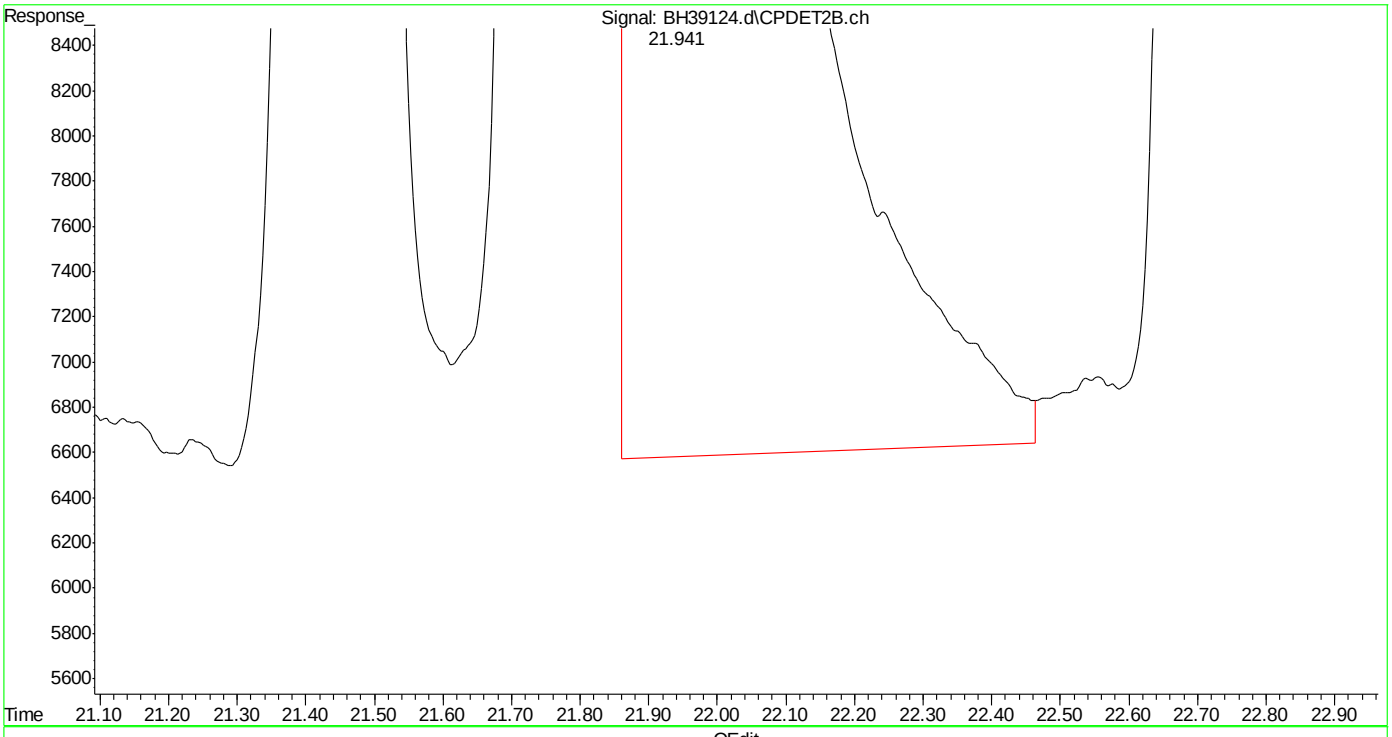
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:42 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.943min 89.589 ppb
response 59759246

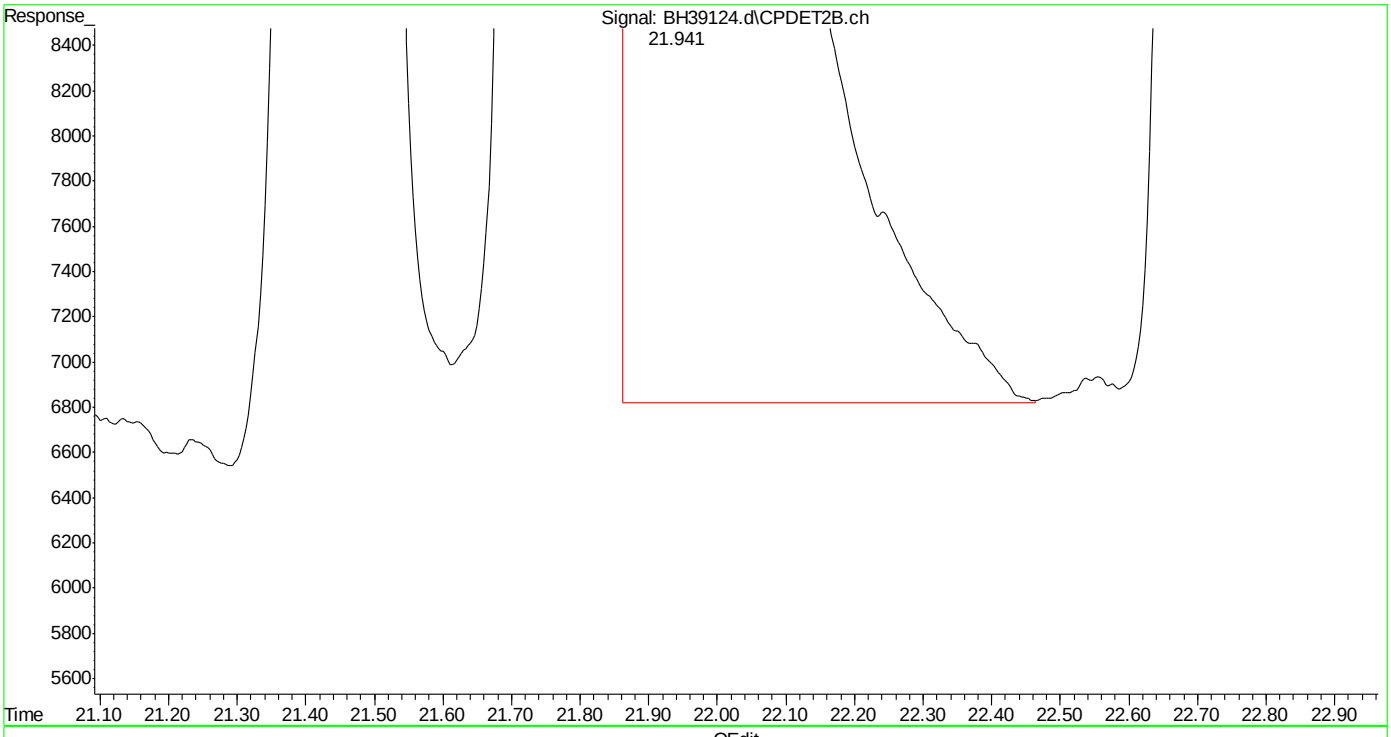
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:52 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.941min 89.085 ppb m
response 59423348

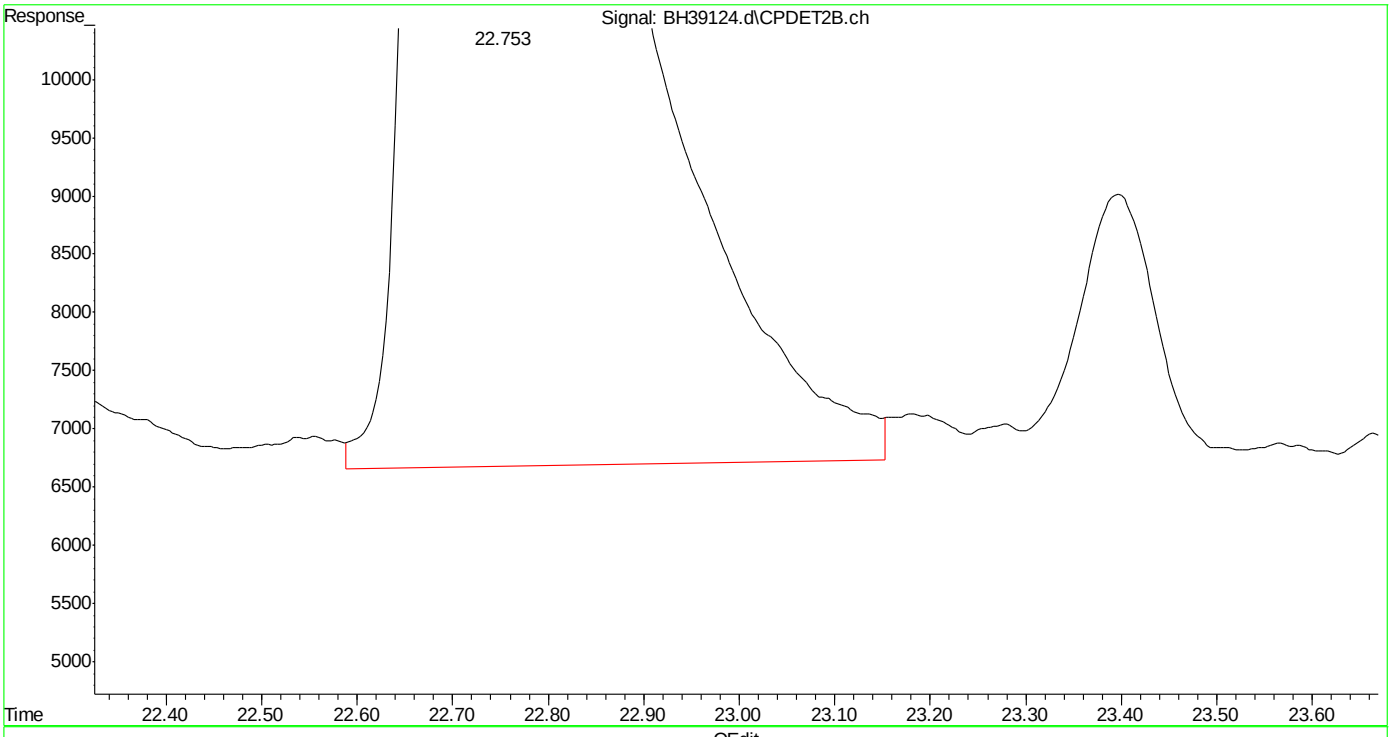
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:09:58 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.755min 43.680 ppb
response 25427948

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:10:03 2016

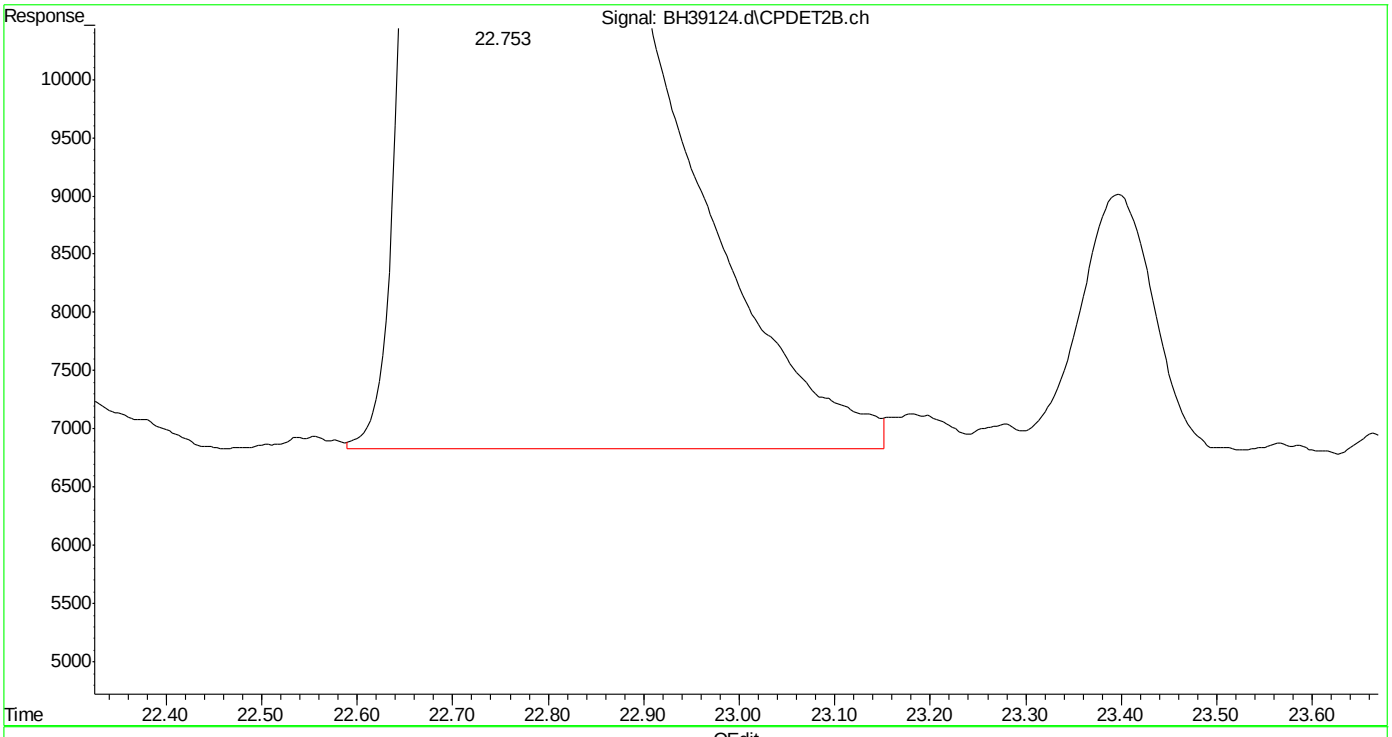
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.753min 43.599 ppb m
response 25380924

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:10:10 2016

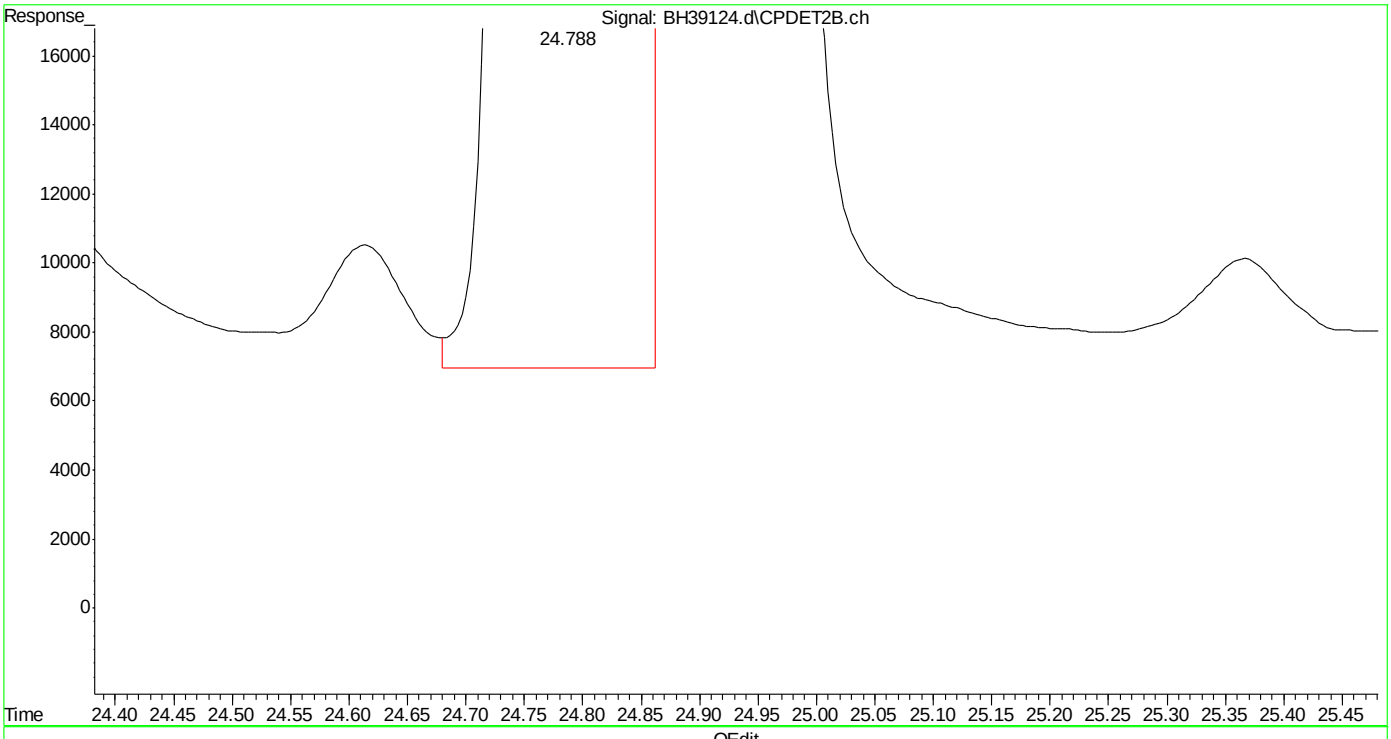
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.789min 44.367 ppb
response 28577940

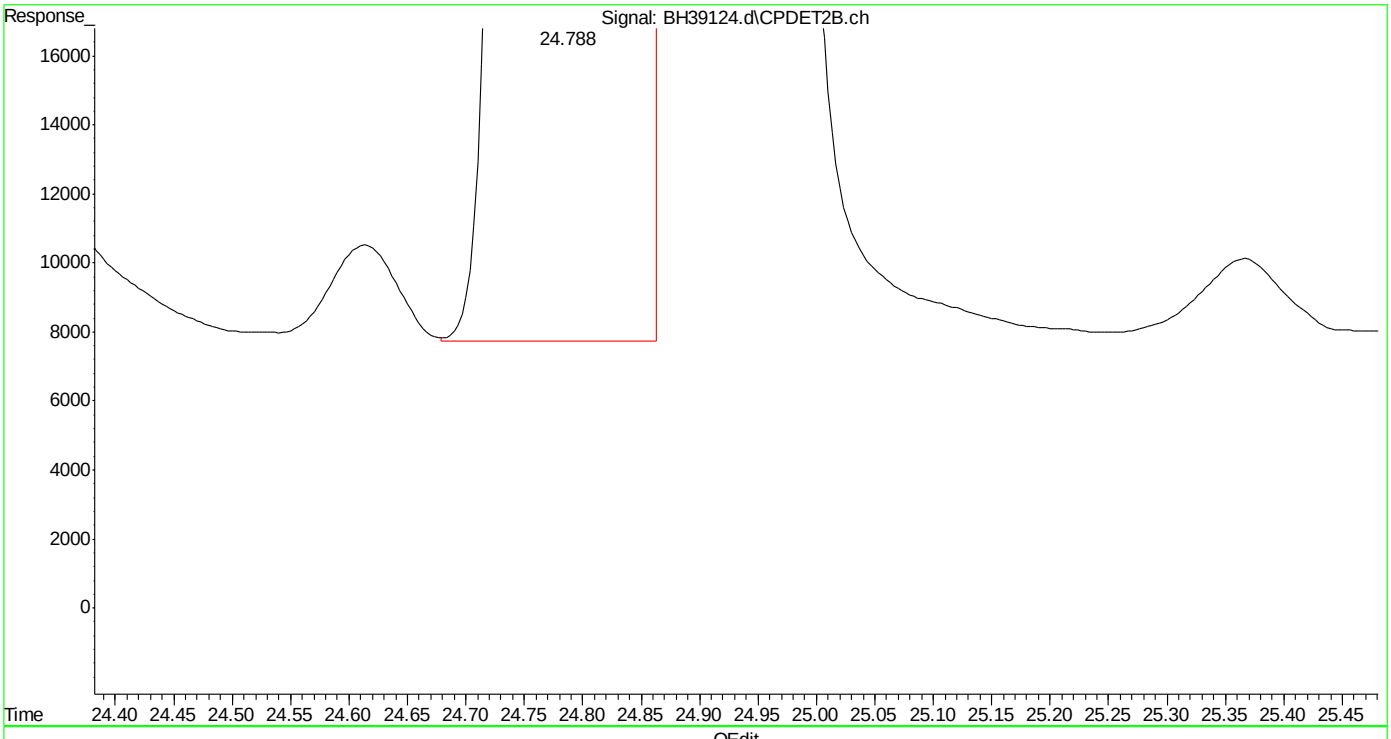
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:10:20 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.788min 44.246 ppb m
response 28499654

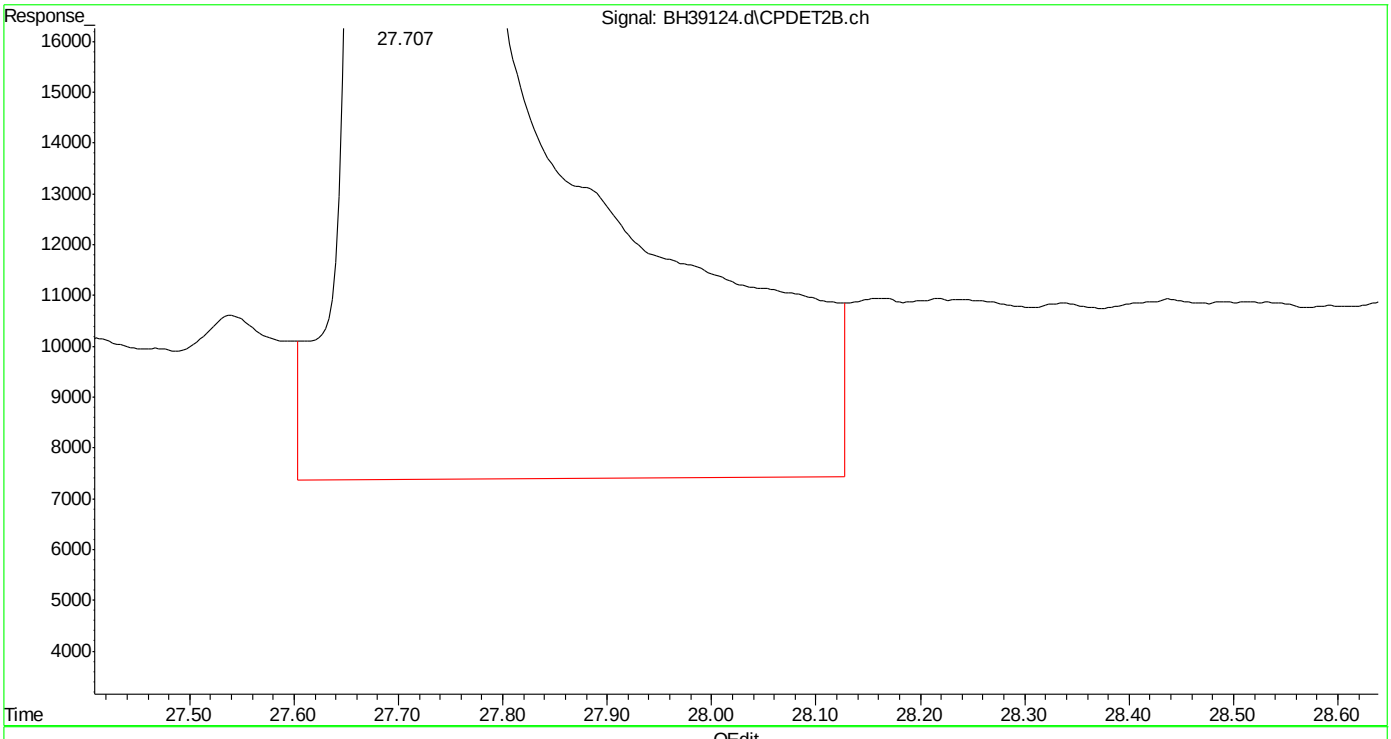
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:10:28 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.708min 48.514 ppb
response 26522270

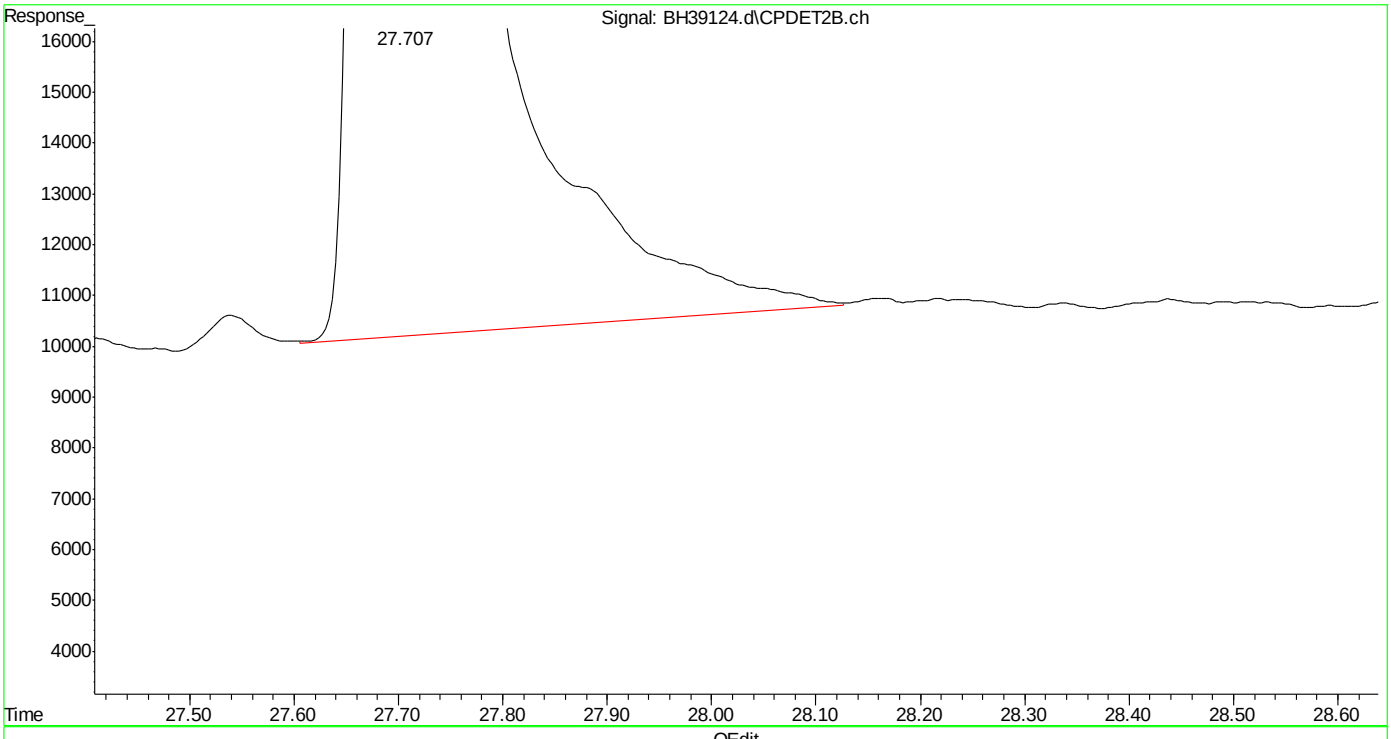
(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:10:33 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160506\
Data File : BH39124.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 6 May 2016 10:25 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26216,gbh2299,,,,5,5
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 08:07:12 2016
Quant Method : C:\msdchem\1\METHODS\bh160506vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.707min 46.771 ppb m
response 25569599

(+) = Expected Retention Time
bh160506vph.m Sat May 07 08:10:41 2016 Page: 1

ACCUTEST LABORATORIES

Instrument: GC 28 (BH)

VOLATILE ORGANICS BY GC ANALYSIS LOG

Date: 4/20/16 Analyst Signature: DJF

Standards Data

Lot #	Description	Conc
VMAVPH AQ	GC26155	gbh2295
gv16372	VPH Surr	250µg/mL 5/20/16

Standards Data

Lot #	Description	Conc
gv16363	VPH Std 50µg/mL	5/19/16
gv16364	5 µg/mL	
gv16365	1 µg/mL	
gv16366	VPH 2nd source 50µg/mL	
gv16371	VPH CC/bsp 250µg/mL	5/20/16

Column: mtx502.2
Method: BHVPH1
GC Seq. File: BH160420.S
Method Files:
BH160420VPH cc2295-50
BH160420VPH MASTER
AS Seq. File: 1-1, 2-2, 3-4

Date of ICAL: 4/20/16 ICAL Verified: Seq. Verification: DJF

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% SOL	Dil. Fact.	pH	Comments
BH39059 ·	ic2295-1000	N/A	GC26155	VMAVPH	N/A	W	100µL gv	16363	5mL FVDI	N/A	50µg/mL Std
60 ·	ic2295-500						50 µL gv	16363	5mL FVDI		
61 ·	ic2295-250						25 µL gv	16363	5mL FVDI		
62 ·	ic2295-100						10 µL gv	16363	5mL FVDI		
63 ·	icc2295-50						5µL gv	16363	5mL FVDI		
64 ·	ic2295-10						10µL gv	16364	5mL FVDI		5µg/mL Std
65 ·	ic2295-5						5µL gv	16364	5mL FVDI		
66 ·	ic2295-2						10µL gv	16365	5mL FVDI		1µg/mL Std
67 ·	ic2295-1						5µL gv	16365	5mL FVDI		
68 ·	icv2295-50						5µL gv	16366	5mL FVDI		50µg/mL Std
69, a	mb				1,2		1µL gv16372	N/A	N/A		
70	bsp				~~2~~ 3		1µL gv16371				
71	bsd				~~3~~ 4						

DJF 4/20/16

DJF 4/20/16

GC001-06 Date: 1/02/15 Dilution Solvent:_____ Lot Number:_____ pH Paper Lot:_____ Review:_____

MTX = Matrix: Designate W for water, S for soil, O for oil. *Note: If sample matrix is soil - method SW846 5035 used for preparation SW846 5030 for water/soil P&T. Sample amount is reported in grams (wet) for soil and oil, mls for water.

40

Data File Name	BH39068.d
Operator	danielf
Date Acquired	4/20/2016 14:17
Sample Name	**icv2295-50**
Sample Multiplier	1

Name FID	Target Response		Continuing CF	Initial CF	Percent Difference	Out of Criteria
rt5.5-7	43811706	C5 - C8 area	CF	CF		
rt7/10	47891443	147257454	981716	1032754	**4.94**	
rt10/13	55554306					
rt20/25	50846882					
decane	50462628	C9-C12 area				
butylcyclohexane	56304959	157614469	1050763	1202765	**12.64**	

jfh 04/23/02
edited for decane butylcylclohexane 02/18/08 andrip
edited for 50ppb ck 072104 aa
Analyst/date: DJF / 4-20-16

Edit: Methylpentane, Iso-octane to 50.
ZM April 14,2005
aromatic format edit jfh 083005
%drift jfh 10/04/05

SGS ACCUTEST MC45754

Data File Name	BH39068.d
Operator	danielf
Date Acquired	4/20/2016 14:17
Sample Name	icv2295-50
Misc Info	26155,gbh2295,,,,5,1
Sample Multiplier	1

	BH39059.d	BH39060.d	BH39062.d	BH39063.d	BH39064.d	BH39065.d	BH39067.d	BH39061.d	BH39066.d
	1000.00	500.00	100.00	50.00	10.00	5.00	1.00	250.00	2
rt5.5-7	910851885.18	439813710.36	88006208.02	42374495.31	9581328.33	4708223.95	901428.39	213573031.11	1982006
rt7/10	1007950322.28	488286377.42	98501844.62	47230821.56	10531624.61	5141995.33	1048952.75	237789719.65	2292160
rt10/13	809408184.08	504235971.99	115530078.90	55161260.81	12363229.81	6233360.84	1531015.27	275524064.17	2770822
rt20/25	1187265878.98	564756694.32	104369658.12	49650457.81	11134229.20	5550515.57	1494364.52	263984486.33	2657203
decane	1200820064.76	589235505.19	105281418.74	50197975.96	11243264.31	5652381.40	1587730.70	275077235.44	2533298
butylcyclohexane	1248984615.27	613389026.12	116336139.57	55557289.71	12161999.62	6161526.50	1587277.53	294238592.66	2820356

vph pentane,2-methylpentane,icooctane

Total area	2728210391.55	1432336059.77	302038131.54	144766577.68	32476182.74	16083580.12	3481396.42	726886814.94	7044987.53
Total mass	3000.00	1500.00	300.00	150.00	30.00	15.00	3.00	750.00	6.00
RF	909403.46	954890.71	1006793.77	965110.52	1082539.42	1072238.67	1160465.47	969182.42	1174164.59

	Average RF	Area 1000	Area 50
	1032754.34	1032754337.65	51637716.88
%RSD	**9.12**		

noname,butylcyclohexane,decane

Total area	3637070559.01	1767381225.64	325987216.43	155405723.48	34539493.13	17364423.47	4669372.75	833300314.43	8010856.82
Total mass	3000.00	1500.00	300.00	150.00	30.00	15.00	3.00	750.00	6.00
RF	1212356.85	1178254.15	1086624.05	1036038.16	1151316.44	1157628.23	1556457.58	1111067.09	1335142.80

	Average RF	Area 1000	Area 50
	1202765.04	1202765039.48	60138251.97
%RSD	**13.07**		

Created by Andrip 07/01/08

DJF 4/20/16

original curve

Response Factor Report GCBH

Method : C:\msdchem\1\MET...60420vphmaster.m (ChemStation Integrator)
Title : vph - master
Last Update : Wed Apr 20 14:50:31 2016
Response via : Initial Calibration

Calibration Files
7 =BH39059.d 6 =BH39060.d 5 =BH39062.d 4 =BH39063.d
3 =BH39064.d 2 =BH39065.d 1 =BH39067.d 8 =BH39061.d
9 =BH39066.d =

Compound	7	6	5	4	3	2	1	8	9	Avg	% RSD
1) rt5.5-7	9.109	8.796	8.801	8.475	9.581	9.416	9.014	8.543	9.910	9.072 E5	5.33
2) rt7/10	1.008	0.977	0.985	0.945	1.053	1.028	1.049	0.951	1.146	1.016 E6	6.17
3) mtbe	5.743	5.937	6.143	5.965	6.423	6.268	6.663	5.929	6.479	6.172 E5	4.96
4) rt10/13	0.809	1.008	1.155	1.103	1.236	1.247	1.531	1.102	1.385	1.175 E6	17.85
5) benzene	1.197	1.170	1.149	1.132	1.241	1.209	1.343	1.136	1.266	1.205 E6	5.77
6) fluorobenzene	0.946	0.923	0.908	0.893	0.982	0.966	0.925	0.895	1.013	0.939 E6	4.37
7) rt13/16										0.000 -	1.00
8) toluene	1.240	1.197	1.157	1.132	1.242	1.201	1.334	1.151	1.291	1.216 E6	5.54
9) 2,3,4-trifluorotoluene	8.218	7.863	7.584	7.393	8.236	8.142	9.342	7.533	8.847	8.129 E5	7.87
10) rt16/20										0.000 -	1.00
11) rt20/25	1.187	1.130	1.044	0.993	1.113	1.110	1.494	1.056	1.329	1.162 E6	13.57
12) rt25/29										0.000 -	1.00
13) ethylbenzene	1.261	1.212	1.149	1.122	1.216	1.193	1.274	1.170	1.267	1.207 E6	4.47
14) m,p-xylene	1.317	1.268	1.204	1.176	1.279	1.258	1.348	1.209	1.321	1.264 E6	

7.6.1

7

4.65
15) o-xylene
1.318 1.280 1.211 1.185 1.305 1.304 1.403 1.219 1.351 1.286 E6
5.49
16) decane
1.201 1.178 1.053 1.004 1.124 1.130 1.588 1.100 1.267 1.183 E6
14.43
17) 1,3,5-trimethylbenzene
1.330 1.301 1.271 1.250 1.352 1.347 1.507 1.264 1.478 1.345 E6
6.80
18) 1,2,4-trimethylbenzene
1.309 1.276 1.258 1.239 1.374 1.374 1.617 1.249 1.502 1.355 E6
9.54
19) butylcyclohexane
1.249 1.227 1.163 1.111 1.216 1.232 1.587 1.177 1.410 1.264 E6
11.60
20) naphthalene
7.057 7.057 8.053 7.890 8.734 8.353 9.828 7.407 8.968 8.150 E5
11.38
21) 2,5-dibromotoluene
0.000 -
1.00

Signal #2

23) mtbe #2
2.568 2.752 2.864 2.796 3.034 2.781 2.797 2.764 2.951 2.812 E5
4.67
24) benzene #2
6.275 6.367 6.372 6.224 6.815 6.598 7.287 6.257 6.995 6.577 E5
5.74
25) fluorobenzene #2
3.995 4.033 3.993 3.916 4.241 4.165 4.052 3.946 4.236 4.064 E5
2.99
26) toluene #2
6.047 6.041 5.963 5.827 6.393 6.212 6.737 5.896 6.386 6.167 E5
4.75
27) 2,3,4-trifluorotoluene #2
2.520 2.482 2.408 2.344 2.535 2.580 2.923 2.396 2.670 2.540 E5
6.90
28) ethylbenzene #2
5.521 5.493 5.384 5.167 5.628 5.396 5.712 5.315 5.628 5.472 E5
3.17
29) m,p-xylene #2
6.510 6.558 6.461 6.340 6.946 6.728 7.073 6.361 7.057 6.670 E5
4.36
30) o-xylene #2
5.737 5.730 5.575 5.439 6.067 5.964 6.260 5.555 6.066 5.821 E5
4.81
31) 1,3,5-trimethylbenzene #2
7.906 7.985 8.050 7.961 8.568 8.431 9.332 7.917 9.058 8.356 E5
6.39
32) 1,2,4-trimethylbenzene #2
6.025 6.069 6.131 6.021 6.615 6.483 7.473 6.052 7.100 6.441 E5
8.27
33) naphthalene #2
4.522 4.625 5.424 5.340 6.063 5.646 6.509 4.927 6.148 5.467 E5

```
12.69
 34)  c9-c10 arom as 1,2,4-tmb
            6.029 6.047 6.141 6.051 6.573 6.505 7.480 6.036 7.101   6.440 E5
8.27
 35)  2,5-dibromotoluene #2
                                                                    0.000   -
1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          bh160420vphmaster.m       Wed Apr 20 14:51:26 2016
```

7.6.1

7

SGS ACCUTEST MC45754

Working curve

Response Factor Report GCBH

Method : C:\msdchem\1\METHODS\bh160420vph.m (ChemStation Integrator)
Title : vph
Last Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration

Calibration Files
7 =BH39059.d 6 =BH39060.d 5 =BH39062.d 4 =BH39063.d
3 =BH39064.d 2 =BH39065.d 1 =BH39067.d 8 =BH39061.d
9 =BH39066.d =

Compound	7	6	5	4	3	2	1	8	9	Avg	% RSD
1) rt5.5-7	1.033			1.033						1.033 E6	0.00
2) rt7/10	1.033			1.033						1.033 E6	0.00
3) rt10/13	1.033			1.033						1.033 E6	0.00
4) fluorobenzene	0.946	0.923	0.908	0.893	0.982	0.966	0.925	0.895	1.013	0.939 E6	4.37
5) rt13/16										0.000	- 1.00
6) 2,3,4-trifluorotoluene	8.218	7.863	7.584	7.393	8.236	8.142	9.342	7.533	8.847	8.129 E5	7.87
7) rt16/20										0.000	- 1.00
8) rt20/25	1.203			1.203						1.203 E6	0.00
9) rt25/29										0.000	- 1.00
10) decane	1.203			1.203						1.203 E6	0.00
11) butylcyclohexane	1.203			1.203						1.203 E6	0.00
12) 2,5-dibromotoluene										0.000	- 1.00

Signal #2

14) mtbe #2	2.568	2.752	2.864	2.796	3.034	2.781	2.797	2.764	2.951	2.812 E5	

7.6.1

7

```
4.67
 15)  benzene #2
            6.275 6.367 6.372 6.224 6.815 6.598 7.287 6.257 6.995   6.577 E5
5.74
 16)  fluorobenzene #2
            3.995 4.033 3.993 3.916 4.241 4.165 4.052 3.946 4.236   4.064 E5
2.99
 17)  toluene #2
            6.047 6.041 5.963 5.827 6.393 6.212 6.737 5.896 6.386   6.167 E5
4.75
 18)  2,3,4-trifluorotoluene #2
            2.520 2.482 2.408 2.344 2.535 2.580 2.923 2.396 2.670   2.540 E5
6.90
 19)  ethylbenzene #2
            5.521 5.493 5.384 5.167 5.628 5.396 5.712 5.315 5.628   5.472 E5
3.17
 20)  m,p-xylene #2
            6.510 6.558 6.461 6.340 6.946 6.728 7.073 6.361 7.057   6.670 E5
4.36
 21)  o-xylene #2
            5.737 5.730 5.575 5.439 6.067 5.964 6.260 5.555 6.066   5.821 E5
4.81
 22)  1,3,5-trimethylbenzene #2
            7.906 7.985 8.050 7.961 8.568 8.431 9.332 7.917 9.058   8.356 E5
6.39
 23)  1,2,4-trimethylbenzene #2
            6.025 6.069 6.131 6.021 6.615 6.483 7.473 6.052 7.100   6.441 E5
8.27
 24)  naphthalene #2
            4.522 4.625 5.424 5.340 6.063 5.646 6.509 4.927 6.148   5.467 E5
12.69
 25)  c9-c10 arom as 1,2,4-tmb
            6.029 6.047 6.141 6.051 6.573 6.505 7.480 6.036 7.101   6.440 E5
8.27
 26)  2,5-dibromotoluene #2
                                                                    0.000   -
1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range   ###  Number of calibration levels exceeded format  ###

          bh160420vph.m        Wed Apr 20 15:05:22 2016
```

7.6.1

7

SGS ACCUTEST MC45754

ACCUTEST LABORATORIES

Instrument: GC 28 (BH)

VOLATILE ORGANICS BY GC ANALYSIS LOG

Date: 5/6/16 Analyst Signature: DJF

Standards Data

Lot #	Description	Conc
VMAVPH AQ	GC262216	gbh2299

Standards Data

Lot #	Description	Conc
gv16371	cc/bsp 250µg/mL	5/20/16
gv16372	Surr ↓	↓

Column: mtx502.2
Method: BHVPH1
GC Seq. File: BH160506.S
Method Files:
BHK0506VPH CC2295-50
1-1, 2-2, 3-4, 5-11,
AS Seq. File: 12-13, 14-24

Date of ICAL: 4-20-16 ICAL Verified: Seq. Verification: 25-25 DJF

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% SOL	Dil. Fact.	pH	Comments
BH39100 •	concal 50	N/A	GC262216	VMAVPH	1	W	1µL gv16371	N/A	N/A	N/A	
1 •	mb				2		1µL gv16372				
2 •	bsp				3		1µL gv16371				
3 •	bsd	↓			4		↓			↓	
4 •	MC45745-3	1			5		5mL			<2	overcal, RR 1:10
5 •	-4	1			6		↓	↓	↓	↓	overcal, RR 1:5
6 •	-2	1			7		5mL of 2mL/50mL FV DI		1:25	<2	
7 •	-1	1			8		↓	↓	1:25	↓	
8 •	-7	1			9		5mL	N/A	N/A	<2	overcal, RR 1:2
9 •	-5	1			10						
10 •	MC45754-3	1			11						
11 •	-3ms	1			12		+ 1µL gv16371				
12 •	-3msd	2			13		↓				
13 •	-4	1			14						
14 •	-5	1			15						
15 •	-6	1			16						
16 •	-1	1			17						
17 •	-2	1			18						
18 •	MC45745-6	1			19						
19 •	-8	1			20						
20 •	-9	1			21		↓	↓	↓	↓	
21 •	-3	2			22		5mL of 5mL/50mL FV DI		1:10	<2	
22 •	-4	2			23		5mL of 10mL/50mL FV DI		1:5		
23 •	-7	2			24		5mL of 25mL/50mL FV DI		1:2	↓	
24 •	concal 50	N/A	↓	↓	25	↓	1µL gv16371	N/A	N/A	N/A	

DJF 5/7/16

GC001-06 Date: 1/02/15 Dilution Solvent:_____ Lot Number:_____ pH Paper Lot:_____ Review:_____

MTX = Matrix: Designate W for water, S for soil, O for oil. *Note: If sample matrix is soil - method SW846 5035 used for preparation SW846 5030 for water/soil P&T. Sample amount is reported in grams (wet) for soil and oil, mL for water.

SGS ACCUTEST MC45754

C:\msdchem\1\DATA\bh160506\BH39108.d

Data File Name	BH39108.d	
Operator	danielf	
Date Acquired	5/6/2016 13:07	
Method File	BHVPH1.M	Enter Dilution mult.(F6)
Sample Name	mc45745-7,w,vmavph,00	2.00
Sample Multiplier	1.00	From BH39123

Name	Amount		% Recovery
FID		enter y	
2,5-dibromotoluene	0.00		0.00%
rt5.5-7	568.21		568.21
rt7/10	1621.20		1621.20
rt10/13	623.50		623.50
rt20/25	6157.08		
		%recovery	
fluorobenzene	70.15	140.31	
2,3,4-trifluorotoluene	42.40	84.80	

C5 - C8 HYDROCARBONS		CORRECTED VALUE
UNCORRECTED		
2812.91	-8.30	2804.61

C9 - C12 HYDROCARBONS		
UNCORRECTED		
6157.08	-4695.47	1461.61

PID

SIGNAL #2		corrected	enter y		
mtbe #2	0.00	0.00		0.00	50.00
benzene #2	0.00	0.00		0.00	50.00
toluene #2	8.30	8.30		8.30	50.00
2,3,4-trifluorotoluene #2	43.24	43.24		43.24	112.50
ethylbenzene #2	553.97	553.97		553.97	50.00
m,p-xylene #2	862.98	862.98		862.98	100.00
o-xylene #2	7.73	7.73		7.73	50.00
1,3,5-trimethylbenzene #2	0.00	0.00		0.00	50.00
1,2,4-trimethylbenzene #2	495.85	495.85	y	991.70	50.00
naphthalene #2	73.74	73.74		73.74	50.00
c9-c10 arom as 1,2,4-tmb	1635.39	1635.39	y	3270.78	50.00
			%reccovery		
fluorobenzene #2	68.59		137.17		
2,3,4-trifluorotoluene #2	43.24		86.49		

DJF 5/7/16

surrogate recovery 50 aef 051515
Created by andrip 08/05/08

C:\msdchem\custrpt\VPHRPT.CRT

5/7/2016 9:28 AM

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP47379-MB	DE14059.D	1	05/10/16	TA	05/05/16	OP47379	GDE788

The QC reported here applies to the following samples: **Method:** MADEP EPH REV 1.1

MC45754-1A, MC45754-2A, MC45754-3A, MC45754-4A, MC45754-5A, MC45754-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	100	70	ug/l	
	C9-C18 Aliphatics	ND	100	70	ug/l	
	C19-C36 Aliphatics	ND	100	70	ug/l	
	C11-C22 Aromatics	ND	100	70	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	94%	40-140%
321-60-8	2-Fluorobiphenyl	92%	40-140%
3386-33-2	1-Chlorooctadecane	63%	40-140%
580-13-2	2-Bromonaphthalene	97%	40-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP47379-BS	DE14057.D	1	05/10/16	TA	05/05/16	OP47379	GDE788
OP47379-BSD	DE14058.D	1	05/10/16	TA	05/05/16	OP47379	GDE788

The QC reported here applies to the following samples: **Method:** MADEP EPH REV 1.1

MC45754-1A, MC45754-2A, MC45754-3A, MC45754-4A, MC45754-5A, MC45754-6A

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	C11-C22 Aromatics (Unadj.)	800	695	87	897	112	25	40-140/25
	C9-C18 Aliphatics	300	182	61	141	47	25	40-140/25
	C19-C36 Aliphatics	400	299	75	263	66	13	40-140/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	78%	103%	40-140%
321-60-8	2-Fluorobiphenyl	84%	115%	40-140%
3386-33-2	1-Chlorooctadecane	50%	58%	40-140%
580-13-2	2-Bromonaphthalene	77%	105%	40-140%

Sample	Compound	Col #1	Col #2	Breakthrough	Limit
OP47379-BS	2-Methylnaphthalene	31.0	0.11	0.4%	5.0
OP47379-BS	Naphthalene	30.2	0.11	0.4%	5.0
OP47379-BSD	2-Methylnaphthalene	36.4	0.12	0.3%	5.0
OP47379-BSD	Naphthalene	35.2	0.13	0.4%	5.0

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Method: MADEP EPH REV 1.1 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [b]	S4 [a]
MC45754-1A	DE14070.D	92	98	46	92
MC45754-2A	DE14071.D	90	94	55	98
MC45754-3A	DE14072.D	99	103	56	105
MC45754-4A	DE14073.D	81	93	53	94
MC45754-5A	DE14074.D	88	94	60	97
MC45754-6A	DE14075.D	86	95	62	91
OP47379-BS	DE14057.D	78	84	50	77
OP47379-BSD	DE14058.D	103	115	58	105
OP47379-MB	DE14059.D	94	92	63	97

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	40-140%
S2 = 2-Fluorobiphenyl	40-140%
S3 = 1-Chlorooctadecane	40-140%
S4 = 2-Bromonaphthalene	40-140%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Check Std:	GDE788-CC735	**Injection Date:**	05/10/16
Lab File ID:	DE14056.D	**Injection Time:**	12:10
Instrument ID:	GCDE	**Method:**	MADEP EPH REV 1.1

	S1 [a] RT	S2 [a] RT	S3 [b] RT	S4 [a] RT
Check Std	9.93	6.66	11.23	7.39

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT	S3 [b] RT	S4 [a] RT
OP47379-BS	DE14057.D	05/10/16	12:56	9.93	6.66	11.23	7.39
OP47379-BSD	DE14058.D	05/10/16	13:23	9.93	6.66	11.23	7.39
OP47379-MB	DE14059.D	05/10/16	13:51	9.93	6.66	11.23	7.39
ZZZZZZ	DE14060.D	05/10/16	14:19	9.93	6.66	11.23	7.39
ZZZZZZ	DE14061.D	05/10/16	14:47	9.93	6.66	11.23	7.39
ZZZZZZ	DE14062.D	05/10/16	15:15	9.93	6.66	11.23	7.39

Surrogate Compounds

S1 = o-Terphenyl
S2 = 2-Fluorobiphenyl
S3 = 1-Chlorooctadecane
S4 = 2-Bromonaphthalene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Check Std:	GDE788-CC735	**Injection Date:**	05/10/16
Lab File ID:	DE14063.D	**Injection Time:**	15:43
Instrument ID:	GCDE	**Method:**	MADEP EPH REV 1.1

	S1 [a] RT	S2 [a] RT	S3 [a] RT	S4 [b] RT
Check Std	9.93	6.66	7.39	11.23

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT	S3 [a] RT	S4 [b] RT
ZZZZZZ	DE14066.D	05/10/16	18:02	9.87	6.60	7.33	11.23
ZZZZZZ	DE14067.D	05/10/16	18:29	9.87	6.60	7.33	11.23
ZZZZZZ	DE14068.D	05/10/16	18:57	9.87	6.60	7.33	11.23
ZZZZZZ	DE14069.D	05/10/16	19:25	9.87	6.60	7.33	11.23
MC45754-1A	DE14070.D	05/10/16	19:52	9.87	6.60	7.33	11.23
MC45754-2A	DE14071.D	05/10/16	20:20	9.87	6.60	7.33	11.23
MC45754-3A	DE14072.D	05/10/16	20:48	9.87	6.60	7.33	11.23
MC45754-4A	DE14073.D	05/10/16	21:16	9.87	6.61	7.33	11.23
MC45754-5A	DE14074.D	05/10/16	21:44	9.87	6.60	7.33	11.23
MC45754-6A	DE14075.D	05/10/16	22:12	9.87	6.61	7.33	11.23
GDE789-ECC735	DE14076.D	05/10/16	22:40	9.87	6.60	7.33	11.23

Surrogate Compounds

S1 = o-Terphenyl
S2 = 2-Fluorobiphenyl
S3 = 2-Bromonaphthalene
S4 = 1-Chlorooctadecane

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GDE735-ICC735
Lab FileID: DE13195.D

Response Factor Report GCDE

Method : C:\msdchem\1\METHODS\EPH160204W.M (RTE Integrator)
Title : BMAEPH-working method
Last Update : Fri Feb 05 13:21:12 2016
Response via : Initial Calibration

Calibration Files
1 =de13197.d 2 =de13196.d 3 =de13195.d 4 =de13194.d
5 =de13193.d 6 =de13192.d 7 =de13191.d

Compound	1	2	3	4	5	6	7	Avg	%RSD
1)h c11-c22 Aromatics	9.820							9.820 E4	0.00
2) naphthalene	0.973	1.014	1.069	1.081	1.046	1.028	1.009	1.031 E5	3.63
3) 2-methylnaphthale	0.957	1.000	1.057	1.068	1.037	1.025	1.030	1.025 E5	3.65
4)s 2-fluorobiphenyl	8.586	8.981	9.512	9.617	9.324	9.238	9.302	9.223 E4	3.76
5) acenaphthylene	0.934	0.978	1.038	1.053	1.027	1.012	0.999	1.006 E5	4.00
6)s 2-bromonaphthalen	5.855	6.121	6.501	6.591	6.368	6.298	6.194	6.275 E4	3.94
7) acenaphthene	0.966	1.010	1.071	1.085	1.050	1.037	1.018	1.034 E5	3.90
8) fluorene	0.946	0.989	1.049	1.065	1.031	1.023	1.007	1.016 E5	3.92
9) phenanthrene	0.945	0.988	1.045	1.065	1.029	1.035	1.018	1.018 E5	3.92
10) anthracene	0.897	0.938	0.994	1.019	0.984	0.996	0.962	0.970 E5	4.26
11)s o-terphenyl	0.950	0.994	1.052	1.072	1.032	1.040	1.030	1.024 E5	3.96
12) fluoranthene	0.923	0.963	1.016	1.039	1.003	1.017	1.035	0.999 E5	4.21
13) pyrene	0.947	0.988	1.025	1.045	1.012	1.031	1.055	1.015 E5	3.67
14) benzo(a)anthracen	0.894	0.932	0.977	1.001	0.969	0.989	1.005	0.967 E5	4.18
15) chrysene	0.903	0.939	0.990	1.011	0.978	0.990	1.003	0.973 E5	3.97
16) benzo(B)fluoranth	0.945	0.946	0.996	1.047	1.000	0.988	1.008	0.990 E5	3.63
17) benzo(k)fluoranth	8.430	9.345	9.845	9.766	9.489	9.693	9.583	9.450 E4	5.09
18) benzo(a)pyrene	8.660	8.965	9.450	9.638	9.284	9.234	9.474	9.244 E4	3.62
19) indeno(1,2,3-cd)p	9.335	9.241	9.709	9.741	9.445	9.341	9.448	9.466 E4	2.02
20) dibenzo(ah)anthra	8.305	8.727	9.371	9.666	9.332	9.299	9.278	9.140 E4	5.05
21) benzo(ghi)perylen	8.762	8.870	9.410	9.580	9.273	9.246	9.345	9.212 E4	3.19
22)s bht								0.000	-1.00
23) bht								0.000	-1.00

Signal #2

25)h c-9	7.387							7.387 E4	0.00
26)h c-10	7.387							7.387 E4	0.00
27) naphthalene #2	7.003	7.593	7.611	8.507	8.544	8.454	8.198	7.987 E4	7.42
28) c-12	7.387							7.387 E4	0.00
29) 2-methylnaphthale	6.966	7.565	7.607	8.491	8.598	8.600	8.570	8.057 E4	8.29
30) c-14	7.387							7.387 E4	0.00
31) c-16	7.387							7.387 E4	0.00
32) c-18	7.387							7.387 E4	0.00
33) c-19	6.681							6.681 E4	0.00
34) c-20	6.681							6.681 E4	0.00
35)s 1-chlorooctadecan	4.935	5.338	5.360	5.912	5.965	5.976	6.118	5.657 E4	7.85
36) c-22	6.681							6.681 E4	0.00
37) c-24	6.681							6.681 E4	0.00
38) c-26	6.681							6.681 E4	0.00
39) c-28	6.681							6.681 E4	0.00
40)h c-30	6.681							6.681 E4	0.00
41)h c-36	6.681							6.681 E4	0.00
42)s bht								0.000	-1.00
43)s bht								0.000	-1.00
44)s bht								0.000	-1.00
45)s bht								0.000	-1.00

Initial Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GDE735-ICC735
Lab FileID: DE13195.D

(#) = Out of Range

EPH160204W.M Fri Feb 05 14:30:17 2016

Initial Calibration Verification

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GDE735-ICV735
Lab FileID: DE13198.D

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    :  4 Feb 2016   7:21 pm
Operator  : thomasa
Sample    : icv735-50
Misc      : op46167,gde735,1000,,,2,,w
ALS Vial  : 16   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:53:41 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title  : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 120%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	106.426 E3	-3.2	100	0.00
3		2-methylnaphthalene	102.482	104.515 E3	-2.0	99	0.00
4	s	2-fluorobiphenyl	92.230	95.715 E3	-3.8	101	0.00
5		acenaphthylene	100.602	103.788 E3	-3.2	100	0.00
6	s	2-bromonaphthalene	62.755	65.224 E3	-3.9	100	0.00
7		acenaphthene	103.376	106.000 E3	-2.5	99	0.00
8		fluorene	101.567	104.339 E3	-2.7	100	0.00
9		phenanthrene	101.763	103.522 E3	-1.7	99	0.00
10		anthracene	97.008	103.269 E3	-6.5	104	0.00
11	s	o-terphenyl	102.427	104.556 E3	-2.1	99	0.00
12		fluoranthene	99.941	102.944 E3	-3.0	101	0.00
13		pyrene	101.462	101.540 E3	-0.1	99	0.00
14		benzo(a)anthracene	96.675	100.212 E3	-3.7	103	0.00
15		chrysene	97.341	96.368 E3	1.0	97	0.00
16		benzo(B)fluoranthene	99.002	102.523 E3	-3.6	103	0.00
17		benzo(k)fluoranthene	94.503	96.169 E3	-1.8	98	0.00
18		benzo(a)pyrene	92.435	89.726 E3	2.9	95	0.00
19		indeno(1,2,3-cd)pyrene	94.658	96.506 E3	-2.0	99	0.00
20		dibenzo(ah)anthracene	91.399	94.300 E3	-3.2	101	0.00
21		benzo(ghi)perylene	92.123	95.320 E3	-3.5	101	0.00
Signal #2							
25	h	c-9	73.872	73.397 E3	0.6	0#	0.00
26	h	c-10	73.872	73.642 E3	0.3	0#	0.00
27		naphthalene #2	79.872	80.719 E3	-1.1	106	0.00
28		c-12	73.872	72.503 E3	1.9	0#	0.00
29		2-methylnaphthalene #2	80.566	79.084 E3	1.8	104	0.00
30		c-14	73.872	72.105 E3	2.4	0#	0.00
31		c-16	73.872	70.770 E3	4.2	0#	0.00

Initial Calibration Verification

Job Number: MC45754 **Sample:** GDE735-ICV735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE13198.D
Project: BMSMC, Building 5 Area, Puerto Rico

32		c-18	73.872	69.894	E3	5.4	0#	0.00
33		c-19	66.806	68.487	E3	-2.5	0#	0.00
34		c-20	66.806	67.817	E3	-1.5	0#	0.00
35	s	1-chlorooctadecane	56.575	59.379	E3	-5.0	111	0.00
36		c-22	66.806	66.707	E3	0.1	0#	0.00
37		c-24	66.806	65.519	E3	1.9	0#	0.00
38		c-26	66.806	65.031	E3	2.7	0#	0.00
39		c-28	66.806	64.086	E3	4.1	0#	0.00
40	h	c-30	66.806	62.872	E3	5.9	0#	0.00
41	h	c-36	66.806	58.670	E3	12.2	0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#	0#	-5.35#
22	s	bht	0.000	0.000		0.0	0#	-15.69#
23		bht	0.000	0.000		0.0	0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0	0#	-23.00#
43	s	bht	0.000	0.000		0.0	0#	-23.00#
44	s	bht	0.000	0.000		0.0	0#	-23.00#
45	s	bht	0.000	0.000		0.0	0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160204W.M Fri Feb 05 14:30:12 2016

8.5.2

8

Continuing Calibration Summary

Job Number: MC45754 **Sample:** GDE788-CC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14056.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14056.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 10 May 2016  12:10 pm
Operator  : thomasa
Sample    : cc735-50, gde788 (Sig #1); cc735-50, after maint. gde788 (Sig #2)
Misc      : op47259,gde788,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 12:46:15 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title  : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	116.370 E3	-12.8	109	0.00
3		2-methylnaphthalene	102.482	113.594 E3	-10.8	107	0.00
4	s	2-fluorobiphenyl	92.230	103.438 E3	-12.2	109	0.00
5		acenaphthylene	100.602	113.094 E3	-12.4	109	0.00
6	s	2-bromonaphthalene	62.755	68.731 E3	-9.5	106	0.00
7		acenaphthene	103.376	117.135 E3	-13.3	109	0.00
8		fluorene	101.567	113.215 E3	-11.5	108	0.00
9		phenanthrene	101.763	109.727 E3	-7.8	105	0.00
10		anthracene	97.008	106.109 E3	-9.4	107	0.00
11	s	o-terphenyl	102.427	110.613 E3	-8.0	105	0.00
12		fluoranthene	99.941	105.871 E3	-5.9	104	0.00
13		pyrene	101.462	108.269 E3	-6.7	106	0.00
14		benzo(a)anthracene	96.675	100.552 E3	-4.0	103	0.00
15		chrysene	97.341	101.454 E3	-4.2	102	0.00
16		benzo(B)fluoranthene	99.002	105.574 E3	-6.6	106	0.00
17		benzo(k)fluoranthene	94.503	97.047 E3	-2.7	99	0.00
18		benzo(a)pyrene	92.435	96.179 E3	-4.1	102	0.00
19		indeno(1,2,3-cd)pyrene	94.658	98.750 E3	-4.3	102	0.00
20		dibenzo(ah)anthracene	91.399	93.134 E3	-1.9	99	0.00
21		benzo(ghi)perylene	92.123	94.594 E3	-2.7	101	0.00
Signal #2							
25	h	c-9	73.872	73.226 E3	0.9	0#	0.00
26	h	c-10	73.872	74.049 E3	-0.2	0#	0.00
27		naphthalene #2	79.872	79.111 E3	1.0	104	0.00
28		c-12	73.872	73.699 E3	0.2	0#	0.00
29		2-methylnaphthalene #2	80.566	78.964 E3	2.0	104	0.00
30		c-14	73.872	73.240 E3	0.9	0#	0.00
31		c-16	73.872	72.580 E3	1.7	0#	0.00

Continuing Calibration Summary

Job Number: MC45754 **Sample:** GDE788-CC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14056.D
Project: BMSMC, Building 5 Area, Puerto Rico

32		c-18	73.872	72.883	E3	1.3	0#	0.00
33		c-19	66.806	72.170	E3	-8.0	0#	0.00
34		c-20	66.806	70.670	E3	-5.8	0#	0.00
35	s	1-chlorooctadecane	56.575	56.783	E3	-0.4	106	0.00
36		c-22	66.806	70.233	E3	-5.1	0#	0.00
37		c-24	66.806	65.655	E3	1.7	0#	0.00
38		c-26	66.806	69.601	E3	-4.2	0#	0.00
39		c-28	66.806	67.124	E3	-0.5	0#	0.00
40	h	c-30	66.806	66.741	E3	0.1	0#	0.00
41	h	c-36	66.806	59.942	E3	10.3	0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#	0#	-5.20#
22	s	bht	0.000	0.000		0.0	0#	-15.67#
23		bht	0.000	0.000		0.0	0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0	0#	-23.00#
43	s	bht	0.000	0.000		0.0	0#	-23.00#
44	s	bht	0.000	0.000		0.0	0#	-23.00#
45	s	bht	0.000	0.000		0.0	0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160510W.M Tue May 10 16:15:07 2016

8.5.3

8

Continuing Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GDE788-CC735
Lab FileID: DE14063.D

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14063.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 10 May 2016   3:43 pm
Operator  : thomasa
Sample    : cc735-50,gde788
Misc      : op47259,gde788,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 16:10:52 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title  : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	131.672 E3	-27.7#	123	0.00
3		2-methylnaphthalene	102.482	128.689 E3	-25.6#	122	0.00
4	s	2-fluorobiphenyl	92.230	116.942 E3	-26.8#	123	0.00
5		acenaphthylene	100.602	127.630 E3	-26.9#	123	0.00
6	s	2-bromonaphthalene	62.755	77.631 E3	-23.7	119	0.00
7		acenaphthene	103.376	130.862 E3	-26.6#	122	0.00
8		fluorene	101.567	127.838 E3	-25.9#	122	0.00
9		phenanthrene	101.763	125.206 E3	-23.0	120	0.00
10		anthracene	97.008	120.260 E3	-24.0	121	0.00
11	s	o-terphenyl	102.427	125.703 E3	-22.7	120	0.00
12		fluoranthene	99.941	120.872 E3	-20.9	119	0.00
13		pyrene	101.462	123.580 E3	-21.8	121	0.00
14		benzo(a)anthracene	96.675	113.827 E3	-17.7	117	0.00
15		chrysene	97.341	116.061 E3	-19.2	117	0.00
16		benzo(B)fluoranthene	99.002	116.317 E3	-17.5	117	0.00
17		benzo(k)fluoranthene	94.503	112.364 E3	-18.9	114	0.00
18		benzo(a)pyrene	92.435	108.628 E3	-17.5	115	0.00
19		indeno(1,2,3-cd)pyrene	94.658	111.383 E3	-17.7	115	0.00
20		dibenzo(ah)anthracene	91.399	104.664 E3	-14.5	112	0.00
21		benzo(ghi)perylene	92.123	106.245 E3	-15.3	113	0.00
Signal #2							
25	h	c-9	73.872	75.465 E3	-2.2	0#	0.00
26	h	c-10	73.872	76.226 E3	-3.2	0#	0.00
27		naphthalene #2	79.872	81.293 E3	-1.8	107	0.00
28		c-12	73.872	75.513 E3	-2.2	0#	0.00
29		2-methylnaphthalene #2	80.566	81.054 E3	-0.6	107	0.00
30		c-14	73.872	74.905 E3	-1.4	0#	0.00
31		c-16	73.872	74.038 E3	-0.2	0#	0.00

Continuing Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GDE788-CC735
Lab FileID: DE14063.D

32		c-18	73.872	74.156	E3	-0.4		0#	0.00
33		c-19	66.806	73.488	E3	-10.0		0#	0.00
34		c-20	66.806	72.233	E3	-8.1		0#	0.00
35	s	1-chlorooctadecane	56.575	58.182	E3	-2.8		109	0.00
36		c-22	66.806	71.862	E3	-7.6		0#	0.00
37		c-24	66.806	67.237	E3	-0.6		0#	0.00
38		c-26	66.806	71.599	E3	-7.2		0#	0.00
39		c-28	66.806	69.203	E3	-3.6		0#	0.00
40	h	c-30	66.806	69.270	E3	-3.7		0#	0.00
41	h	c-36	66.806	63.192	E3	5.4		0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#		0#	-5.20#
22	s	bht	0.000	0.000		0.0		0#	-15.67#
23		bht	0.000	0.000		0.0		0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0		0#	-23.00#
43	s	bht	0.000	0.000		0.0		0#	-23.00#
44	s	bht	0.000	0.000		0.0		0#	-23.00#
45	s	bht	0.000	0.000		0.0		0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160510W.M Tue May 10 16:15:00 2016

Continuing Calibration Summary

Job Number: MC45754
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GDE789-CC735
Lab FileID: DE14065.D

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14065.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 10 May 2016   5:33 pm
Operator  : thomasa
Sample    : cc735-50,gde789
Misc      : op47259,gde789,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:11:21 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title  : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	124.976 E3	-21.2	117	0.00
3		2-methylnaphthalene	102.482	124.120 E3	-21.1	117	0.00
4	s	2-fluorobiphenyl	92.230	112.625 E3	-22.1	118	0.00
5		acenaphthylene	100.602	123.557 E3	-22.8	119	0.00
6	s	2-bromonaphthalene	62.755	76.034 E3	-21.2	117	0.00
7		acenaphthene	103.376	127.842 E3	-23.7	119	0.00
8		fluorene	101.567	124.071 E3	-22.2	118	0.00
9		phenanthrene	101.763	122.323 E3	-20.2	117	0.00
10		anthracene	97.008	118.223 E3	-21.9	119	0.00
11	s	o-terphenyl	102.427	123.271 E3	-20.4	117	0.00
12		fluoranthene	99.941	117.853 E3	-17.9	116	0.00
13		pyrene	101.462	120.488 E3	-18.8	118	0.00
14		benzo(a)anthracene	96.675	112.214 E3	-16.1	115	0.00
15		chrysene	97.341	111.447 E3	-14.5	113	0.00
16		benzo(B)fluoranthene	99.002	112.472 E3	-13.6	113	0.00
17		benzo(k)fluoranthene	94.503	109.565 E3	-15.9	111	0.00
18		benzo(a)pyrene	92.435	105.057 E3	-13.7	111	0.00
19		indeno(1,2,3-cd)pyrene	94.658	105.659 E3	-11.6	109	0.00
20		dibenzo(ah)anthracene	91.399	103.069 E3	-12.8	110	0.00
21		benzo(ghi)perylene	92.123	102.759 E3	-11.5	109	0.00

Signal #2

25	h	c-9	73.872	81.677 E3	-10.6	0#	0.00
26	h	c-10	73.872	82.447 E3	-11.6	0#	0.00
27		naphthalene #2	79.872	87.740 E3	-9.9	115	0.00
28		c-12	73.872	81.523 E3	-10.4	0#	0.00
29		2-methylnaphthalene #2	80.566	87.513 E3	-8.6	115	0.00
30		c-14	73.872	80.916 E3	-9.5	0#	0.00
31		c-16	73.872	80.033 E3	-8.3	0#	0.00

Continuing Calibration Summary

Job Number: MC45754 **Sample:** GDE789-CC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14065.D
Project: BMSMC, Building 5 Area, Puerto Rico

32		c-18	73.872	80.136	E3	-8.5	0#	0.00
33		c-19	66.806	79.534	E3	-19.1	0#	0.00
34		c-20	66.806	78.009	E3	-16.8	0#	0.00
35	s	1-chlorooctadecane	56.575	62.829	E3	-11.1	117	0.00
36		c-22	66.806	77.490	E3	-16.0	0#	0.00
37		c-24	66.806	72.373	E3	-8.3	0#	0.00
38		c-26	66.806	76.826	E3	-15.0	0#	0.00
39		c-28	66.806	73.827	E3	-10.5	0#	0.00
40	h	c-30	66.806	73.569	E3	-10.1	0#	0.00
41	h	c-36	66.806	65.249	E3	2.3	0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#	0#	-5.20#
22	s	bht	0.000	0.000		0.0	0#	-15.67#
23		bht	0.000	0.000		0.0	0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0	0#	-23.00#
43	s	bht	0.000	0.000		0.0	0#	-23.00#
44	s	bht	0.000	0.000		0.0	0#	-23.00#
45	s	bht	0.000	0.000		0.0	0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160510aW.M Wed May 11 09:32:15 2016

8.5.5

8

Continuing Calibration Summary

Job Number: MC45754 **Sample:** GDE789-ECC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14076.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14076.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 10 May 2016  10:40 pm
Operator  : thomasa
Sample    : ecc735-50,gde789
Misc      : op47259,gde789,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:13:09 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title  : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	122.441 E3	-18.7	115	0.00
3		2-methylnaphthalene	102.482	120.796 E3	-17.9	114	0.00
4	s	2-fluorobiphenyl	92.230	109.676 E3	-18.9	115	0.00
5		acenaphthylene	100.602	120.408 E3	-19.7	116	0.00
6	s	2-bromonaphthalene	62.755	73.896 E3	-17.8	114	0.00
7		acenaphthene	103.376	124.608 E3	-20.5	116	0.00
8		fluorene	101.567	120.434 E3	-18.6	115	0.00
9		phenanthrene	101.763	118.686 E3	-16.6	114	0.00
10		anthracene	97.008	113.525 E3	-17.0	114	0.00
11	s	o-terphenyl	102.427	119.221 E3	-16.4	113	0.00
12		fluoranthene	99.941	114.276 E3	-14.3	112	0.00
13		pyrene	101.462	116.982 E3	-15.3	114	0.00
14		benzo(a)anthracene	96.675	108.907 E3	-12.7	112	0.00
15		chrysene	97.341	109.315 E3	-12.3	110	0.00
16		benzo(B)fluoranthene	99.002	113.914 E3	-15.1	114	0.00
17		benzo(k)fluoranthene	94.503	104.176 E3	-10.2	106	0.00
18		benzo(a)pyrene	92.435	103.672 E3	-12.2	110	0.00
19		indeno(1,2,3-cd)pyrene	94.658	106.916 E3	-12.9	110	0.00
20		dibenzo(ah)anthracene	91.399	100.755 E3	-10.2	108	0.00
21		benzo(ghi)perylene	92.123	102.585 E3	-11.4	109	0.00

Signal #2

25	h	c-9	73.872	82.991 E3	-12.3	0#	0.00
26	h	c-10	73.872	83.471 E3	-13.0	0#	0.00
27		naphthalene #2	79.872	88.725 E3	-11.1	117	0.00
28		c-12	73.872	82.456 E3	-11.6	0#	0.00
29		2-methylnaphthalene #2	80.566	88.373 E3	-9.7	116	0.00
30		c-14	73.872	81.680 E3	-10.6	0#	0.00
31		c-16	73.872	80.507 E3	-9.0	0#	0.00

Continuing Calibration Summary

Job Number: MC45754 **Sample:** GDE789-ECC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14076.D
Project: BMSMC, Building 5 Area, Puerto Rico

32		c-18	73.872	80.285	E3	-8.7	0#	0.00
33		c-19	66.806	79.479	E3	-19.0	0#	0.00
34		c-20	66.806	77.800	E3	-16.5	0#	0.00
35	s	1-chlorooctadecane	56.575	62.599	E3	-10.6	117	0.00
36		c-22	66.806	77.046	E3	-15.3	0#	0.00
37		c-24	66.806	71.734	E3	-7.4	0#	0.00
38		c-26	66.806	75.907	E3	-13.6	0#	0.00
39		c-28	66.806	72.856	E3	-9.1	0#	0.00
40	h	c-30	66.806	72.426	E3	-8.4	0#	0.00
41	h	c-36	66.806	64.755	E3	3.1	0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#	0#	-5.20#
22	s	bht	0.000	0.000		0.0	0#	-15.67#
23		bht	0.000	0.000		0.0	0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0	0#	-23.00#
43	s	bht	0.000	0.000		0.0	0#	-23.00#
44	s	bht	0.000	0.000		0.0	0#	-23.00#
45	s	bht	0.000	0.000		0.0	0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160510aW.M Wed May 11 09:32:00 2016

8.5.6

8

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14070.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 7:52 pm
Operator : thomasa
Sample : mc45754-1a,op47259
Misc : op47379,gde789,920,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:16:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.603	1806017	19.582 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 97.91%#	
6) s 2-bromonaphthalene	7.330	1156448	18.428 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 92.14%#	
11) s o-terphenyl	9.870	1878416	18.339 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 91.69%#	
35) s 1-chlorooctadecane	11.225	522615	9.238 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 46.19%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	3625233	36.915 µg/mlm
25) h c-9	2.648	884723	11.976 µg/mlm
41) h c-36	17.008	740015	11.077 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

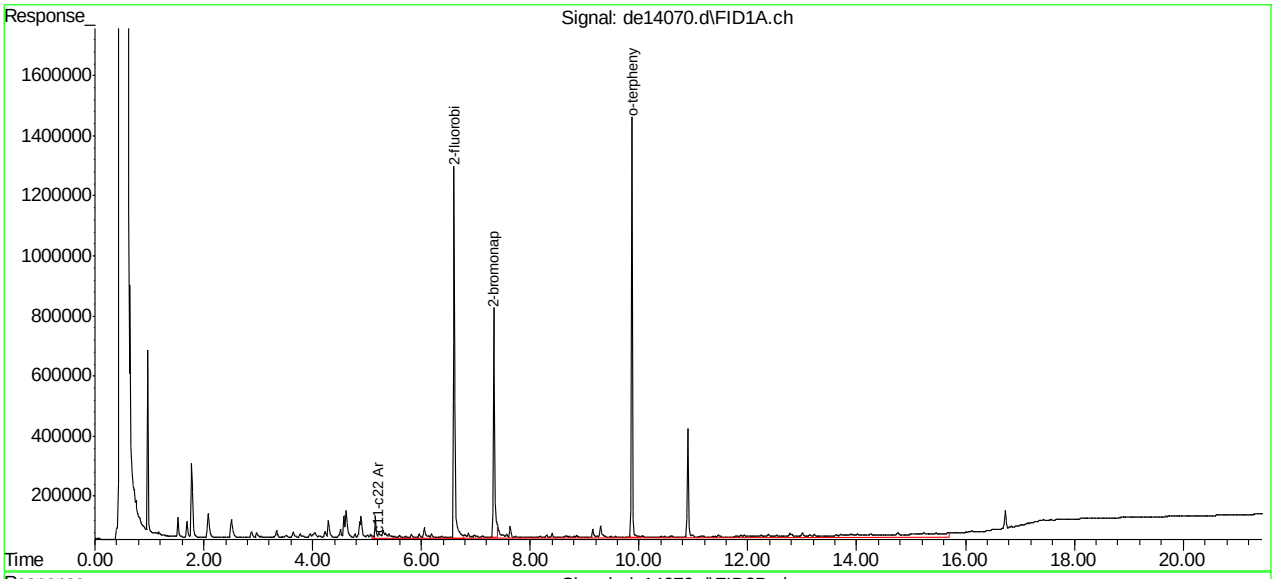
SGS ACCUTEST MC45754

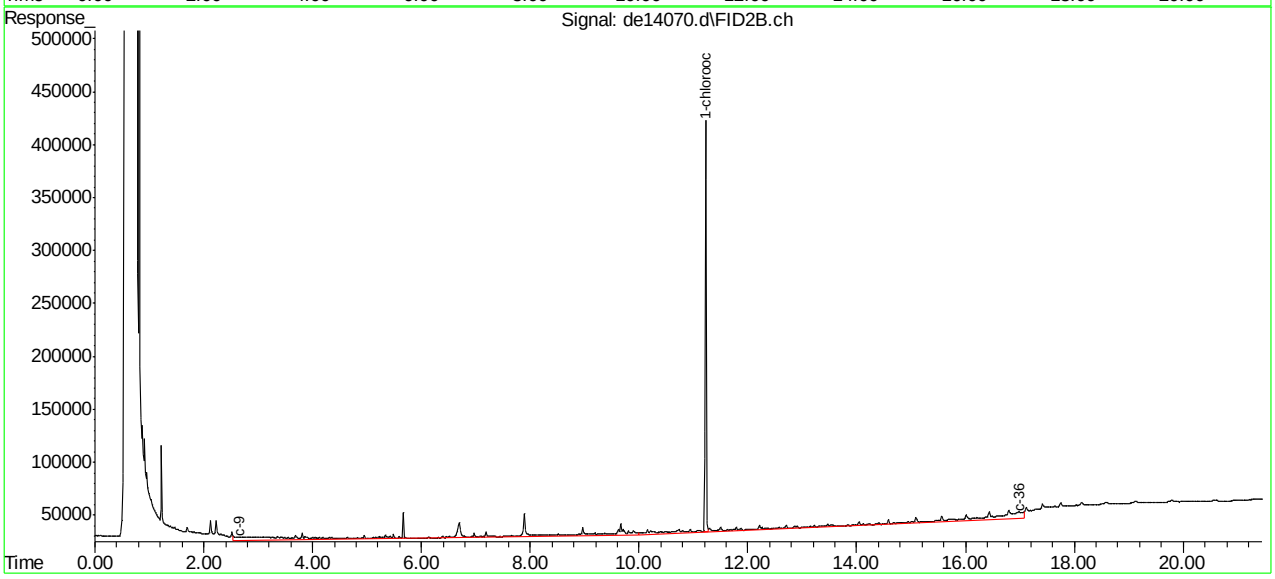
Quantitation Report (QT Reviewed)

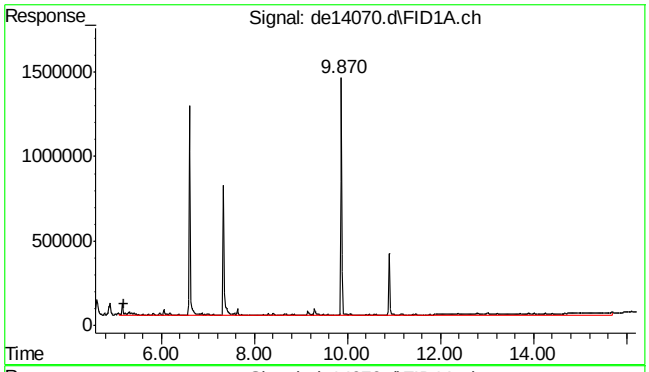
Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14070.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 7:52 pm
Operator : thomasa
Sample : mc45754-1a,op47259
Misc : op47379,gde789,920,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:16:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

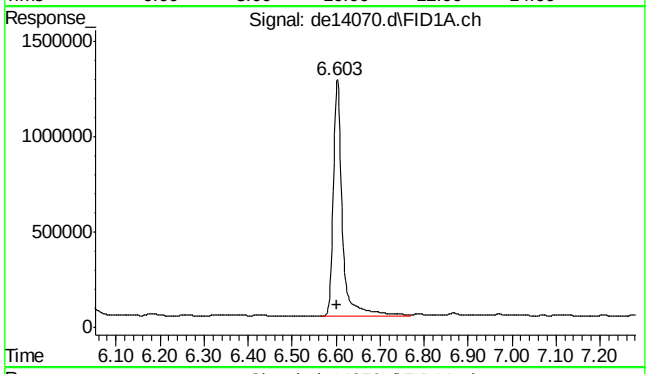






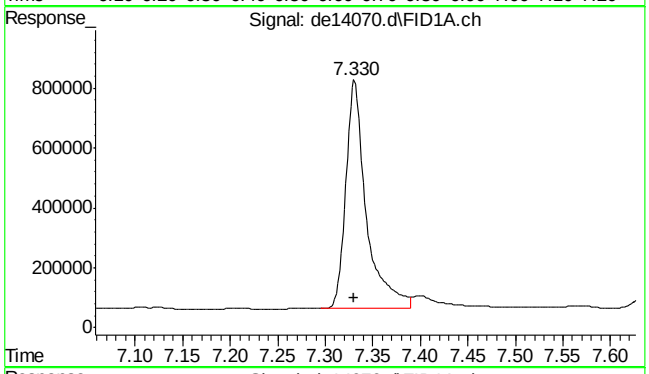
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 3625233
Conc: 36.92 µg/ml m



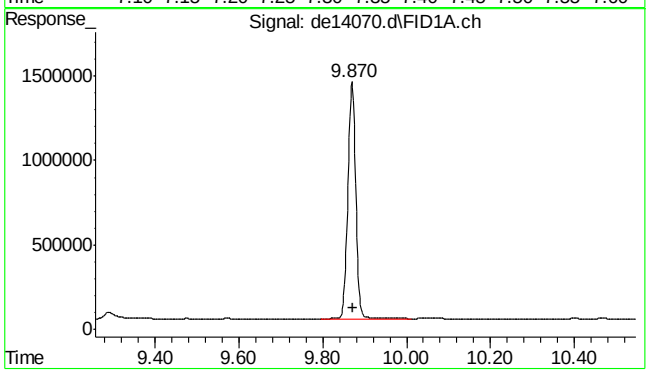
#4 2-fluorobiphenyl

R.T.: 6.603 min
Delta R.T.: 0.002 min
Response: 1806017
Conc: 19.58 µg/ml



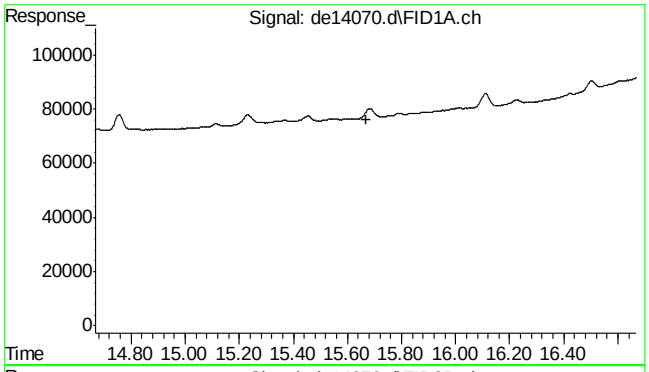
#6 2-bromonaphthalene

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 1156448
Conc: 18.43 µg/ml



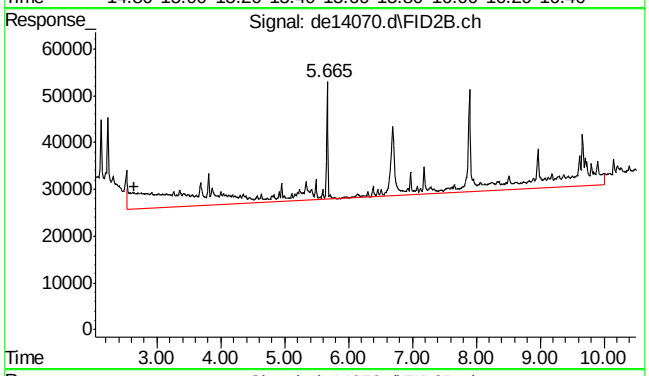
#11 o-terphenyl

R.T.: 9.870 min
Delta R.T.: -0.002 min
Response: 1878416
Conc: 18.34 µg/ml



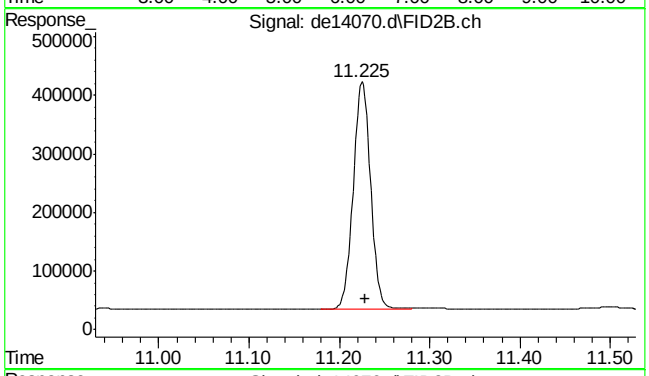
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



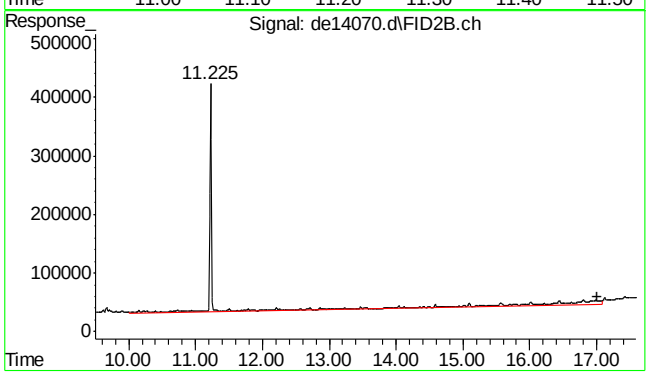
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 884723
Conc: 11.98 µg/ml m



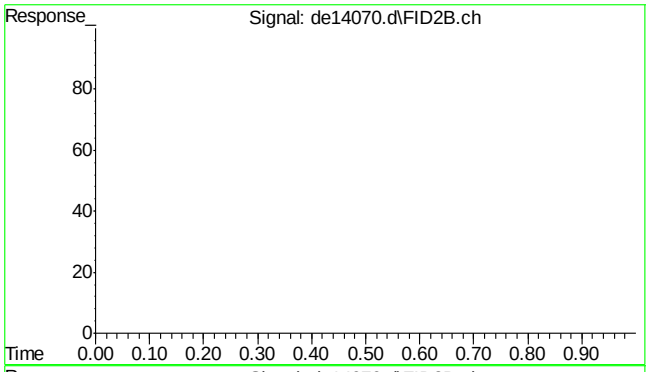
#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.003 min
Response: 522615
Conc: 9.24 µg/ml



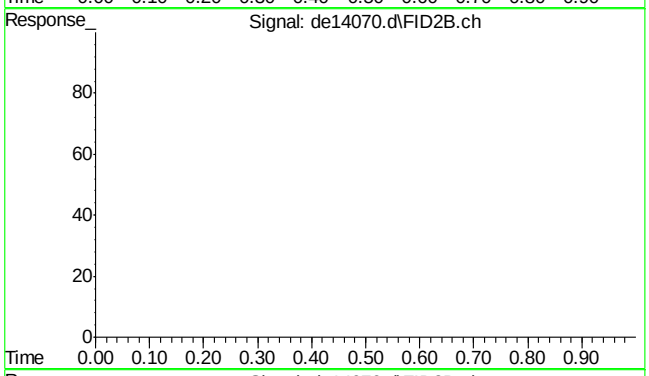
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 740015
Conc: 11.08 µg/ml m



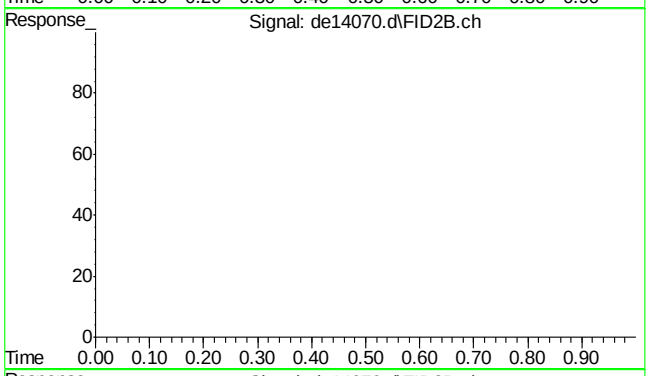
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



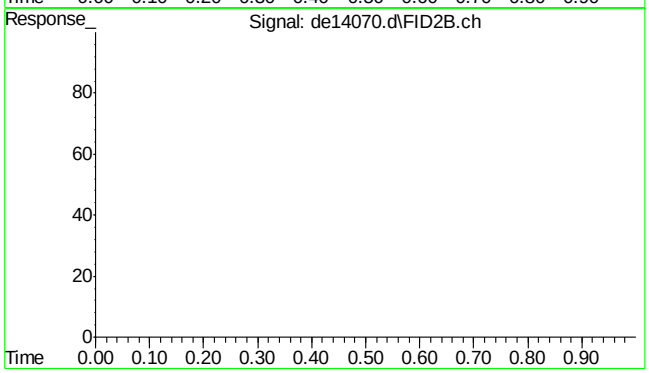
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14071.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 8:20 pm
Operator : thomasa
Sample : mc45754-2a,op47259
Misc : op47379,gde789,880,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:18:31 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.603	1732607	18.786 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	93.93%#
6) s 2-bromonaphthalene	7.330	1231619	19.626 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	98.13%#
11) s o-terphenyl	9.868	1835579	17.921 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	89.61%#
35) s 1-chlorooctadecane	11.225	618078	10.925 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	54.63%#
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	2725339	27.752 µg/mlm
25) h c-9	2.648	888930	12.033 µg/mlm
41) h c-36	17.008	808552	12.103 µg/mlm

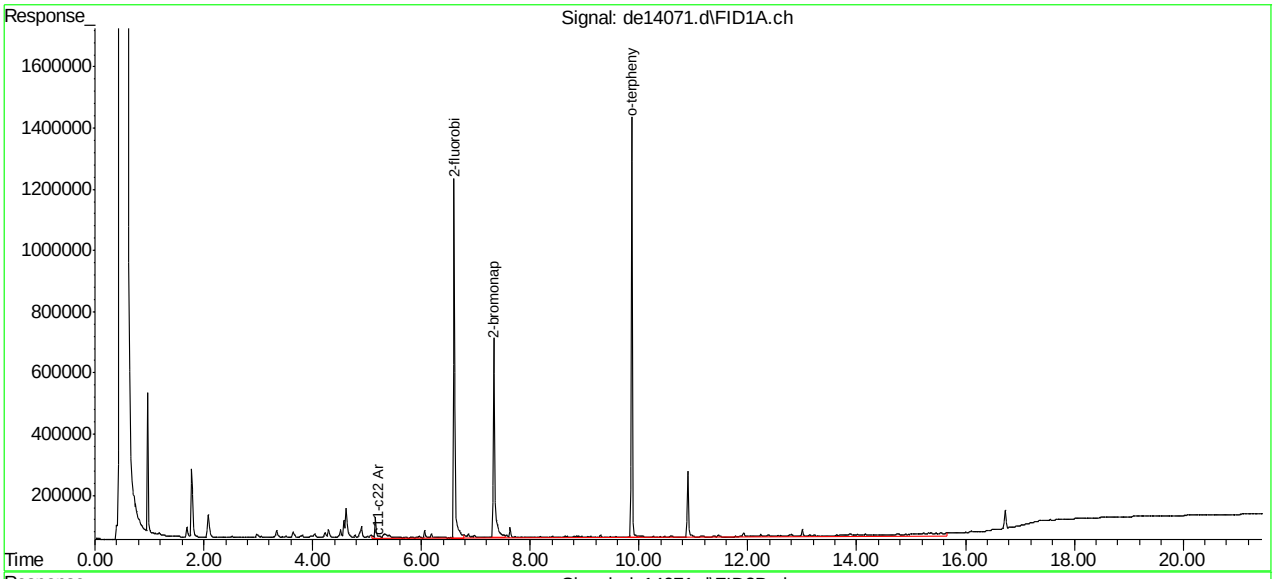
(f)=RT Delta > 1/2 Window (m)=manual int.

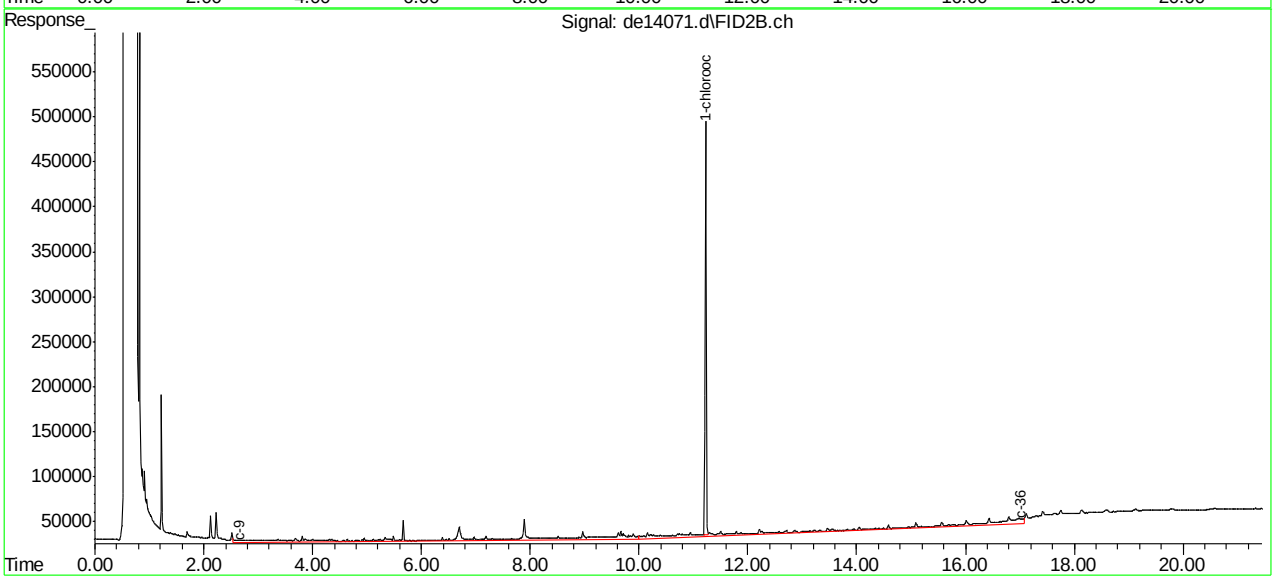
Quantitation Report (QT Reviewed)

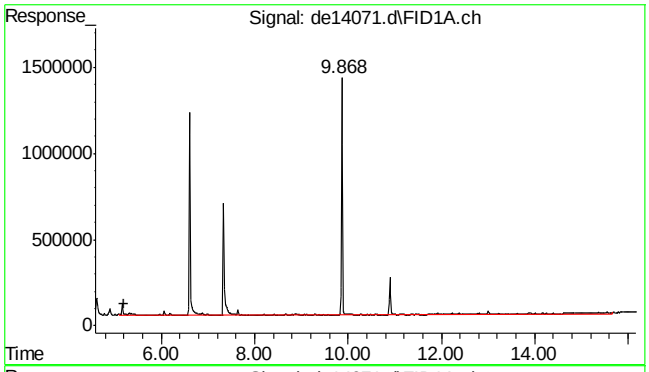
Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14071.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 8:20 pm
Operator : thomasa
Sample : mc45754-2a,op47259
Misc : op47379,gde789,880,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:18:31 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

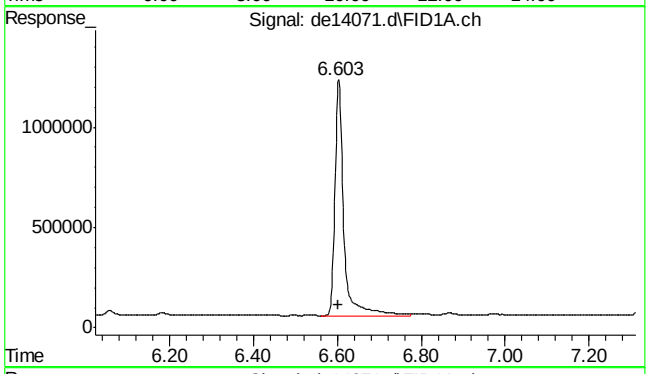






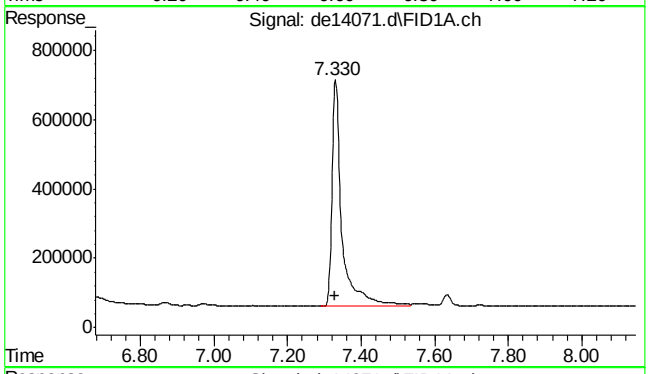
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 2725339
Conc: 27.75 µg/ml m



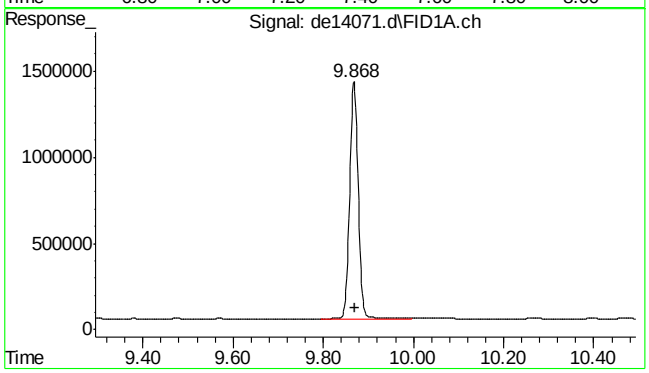
#4 2-fluorobiphenyl

R.T.: 6.603 min
Delta R.T.: 0.002 min
Response: 1732607
Conc: 18.79 µg/ml



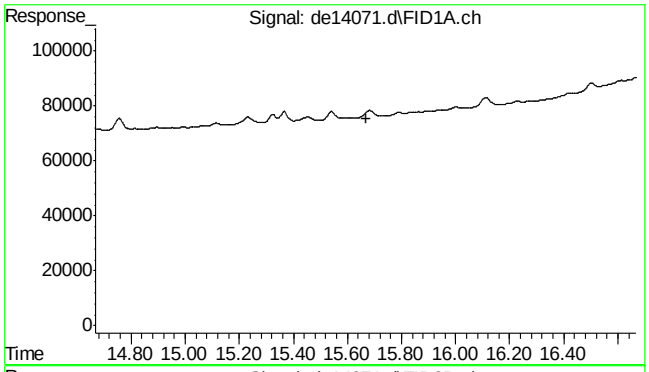
#6 2-bromonaphthalene

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 1231619
Conc: 19.63 µg/ml



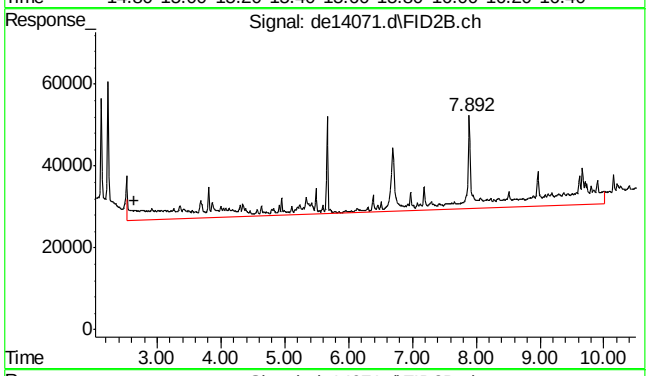
#11 o-terphenyl

R.T.: 9.868 min
Delta R.T.: -0.003 min
Response: 1835579
Conc: 17.92 µg/ml



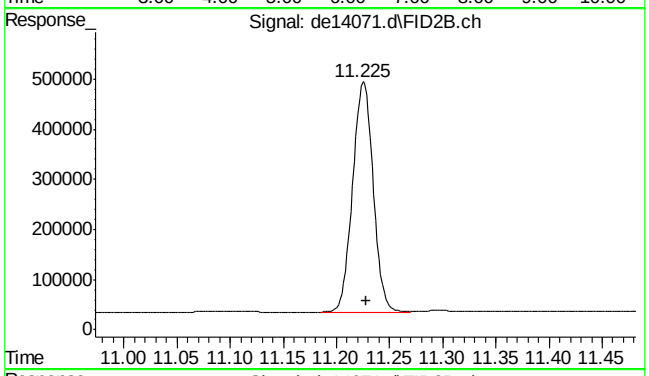
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



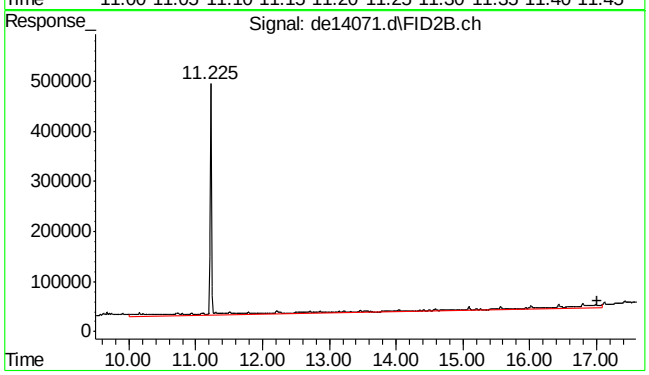
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 888930
Conc: 12.03 µg/ml m



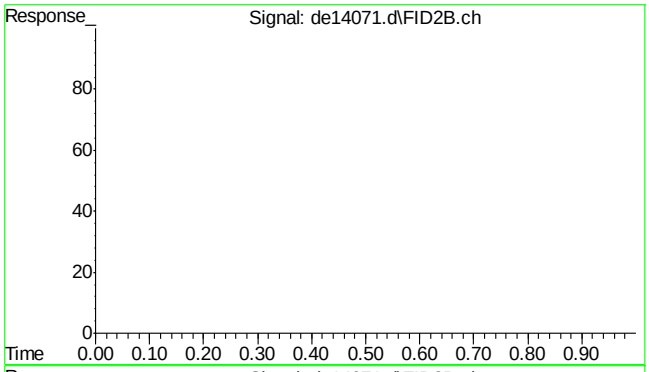
#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.003 min
Response: 618078
Conc: 10.92 µg/ml



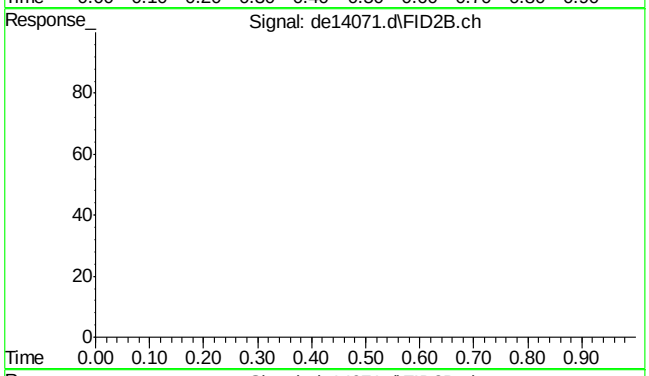
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 808552
Conc: 12.10 µg/ml m



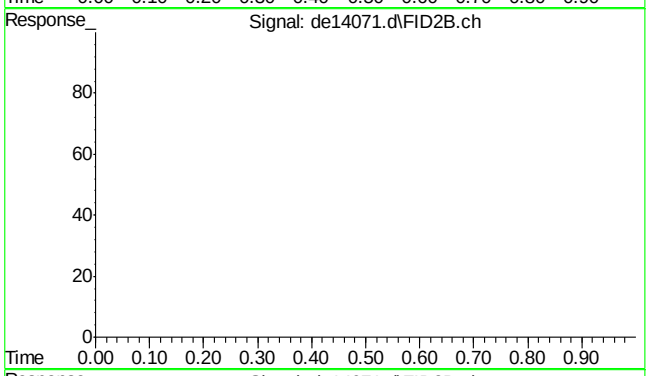
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



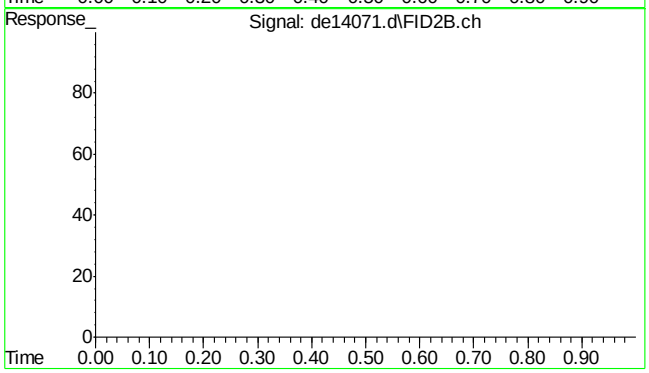
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14072.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 8:48 pm
Operator : thomasa
Sample : mc45754-3a,op47259
Misc : op47379,gde789,970,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:20:58 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.603	1896956	20.568 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 102.84%#	
6) s 2-bromonaphthalene	7.332	1321107	21.052 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 105.26%#	
11) s o-terphenyl	9.870	2028407	19.804 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 99.02%#	
35) s 1-chlorooctadecane	11.225	630588	11.146 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 55.73%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	4477207	45.591 µg/mlm
25) h c-9	2.648	944405	12.784 µg/mlm
41) h c-36	17.008	948903	14.204 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

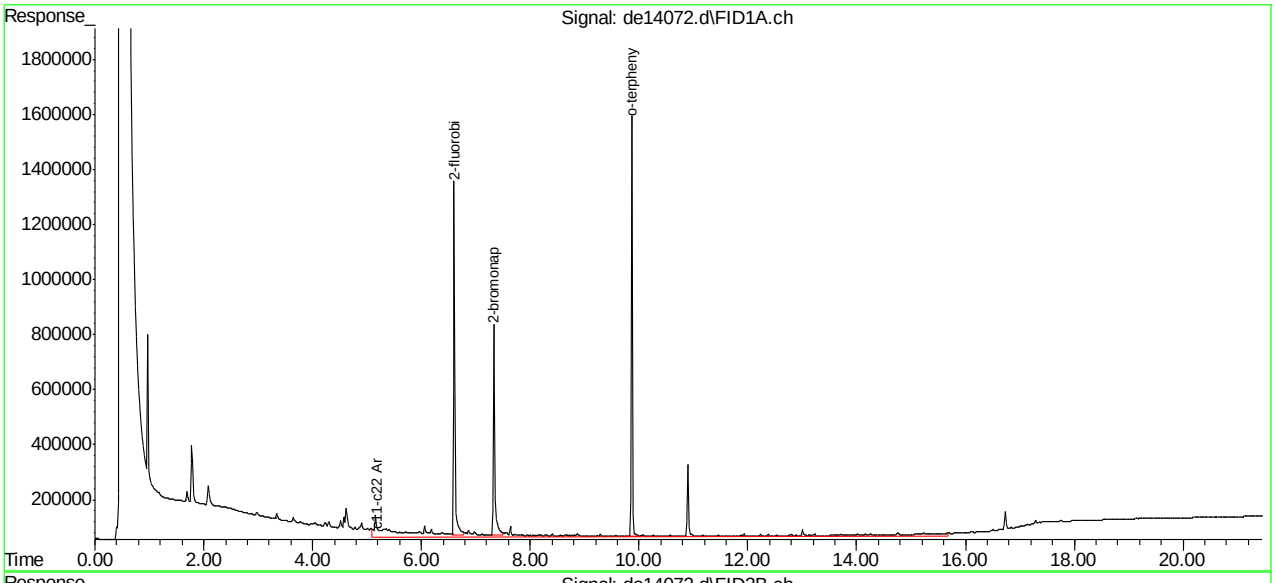
SGS ACCUTEST MC45754

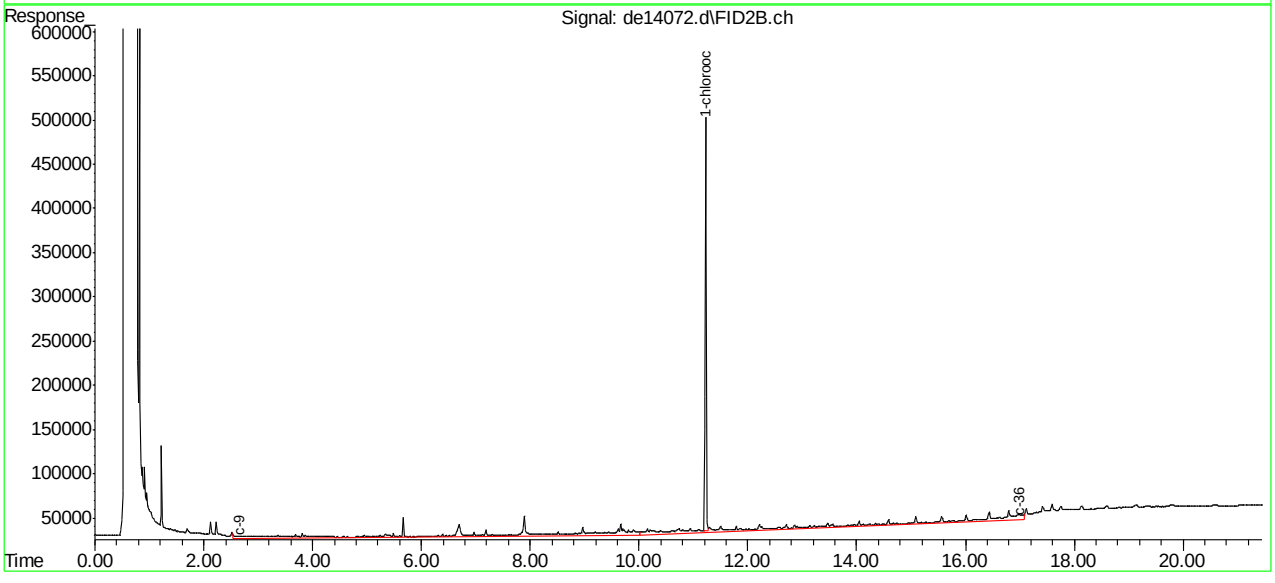
Quantitation Report (QT Reviewed)

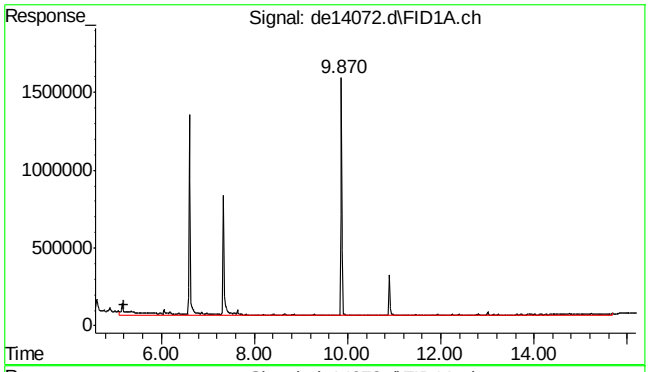
Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14072.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 8:48 pm
Operator : thomasa
Sample : mc45754-3a,op47259
Misc : op47379,gde789,970,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:20:58 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

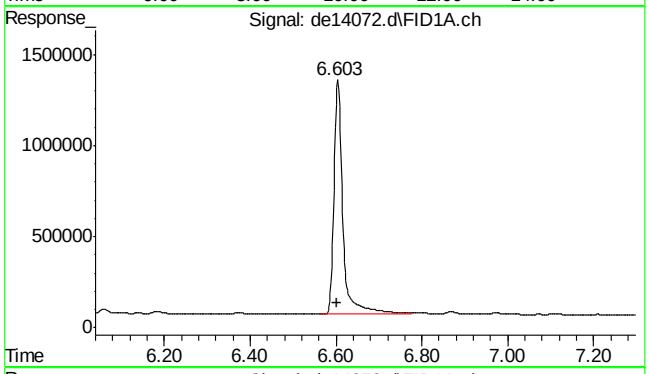






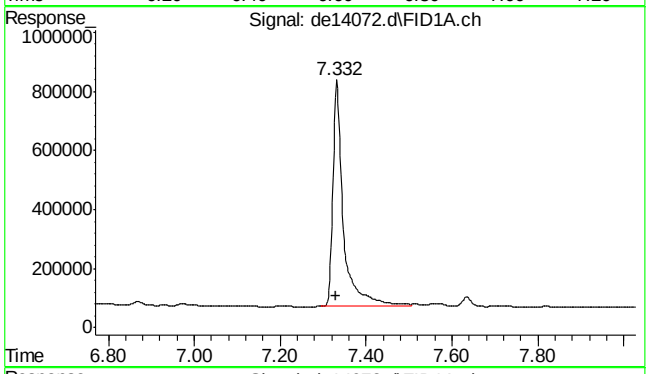
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 4477207
Conc: 45.59 µg/ml m



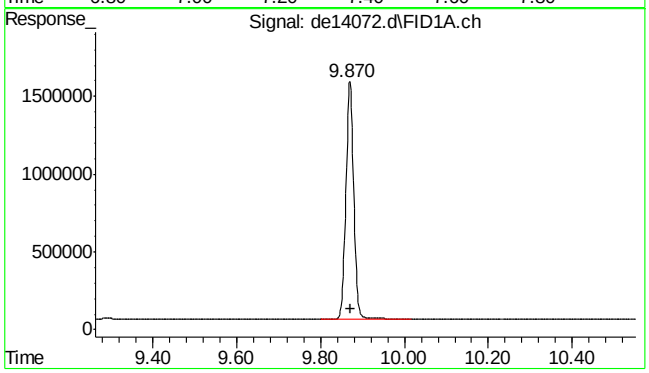
#4 2-fluorobiphenyl

R.T.: 6.603 min
Delta R.T.: 0.002 min
Response: 1896956
Conc: 20.57 µg/ml



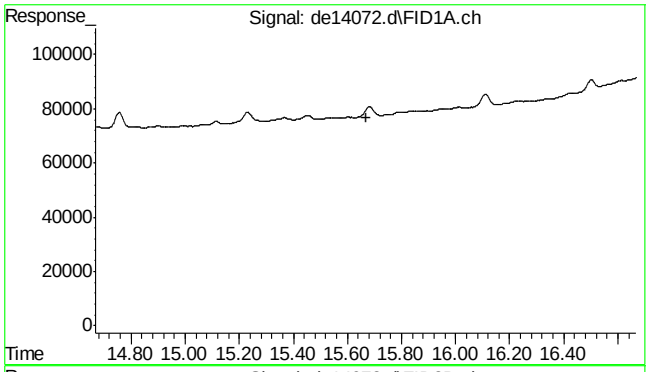
#6 2-bromonaphthalene

R.T.: 7.332 min
Delta R.T.: 0.002 min
Response: 1321107
Conc: 21.05 µg/ml



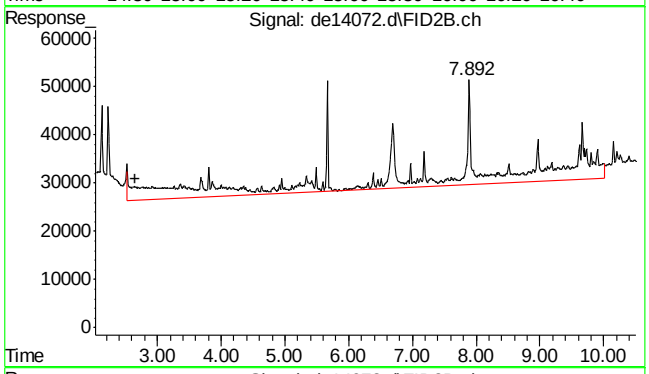
#11 o-terphenyl

R.T.: 9.870 min
Delta R.T.: -0.002 min
Response: 2028407
Conc: 19.80 µg/ml



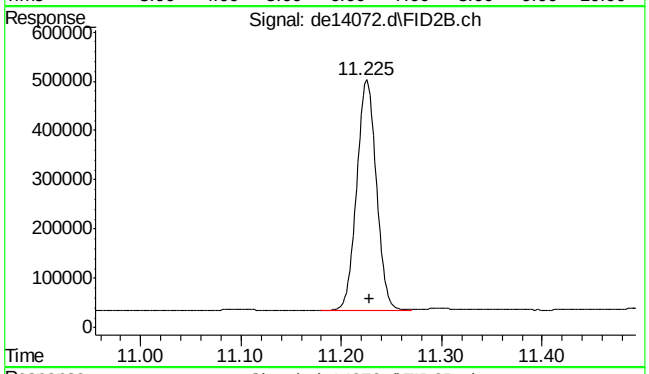
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



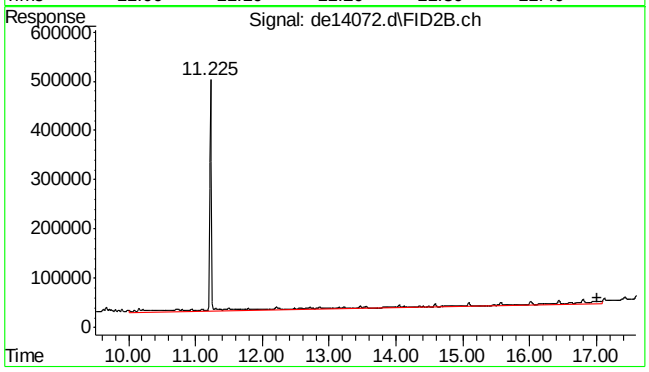
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 944405
Conc: 12.78 µg/ml m



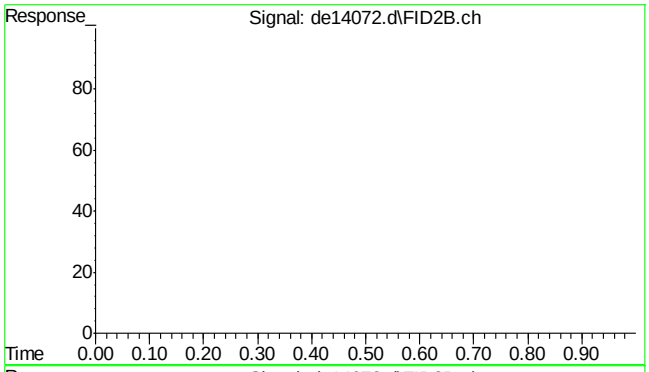
#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.003 min
Response: 630588
Conc: 11.15 µg/ml



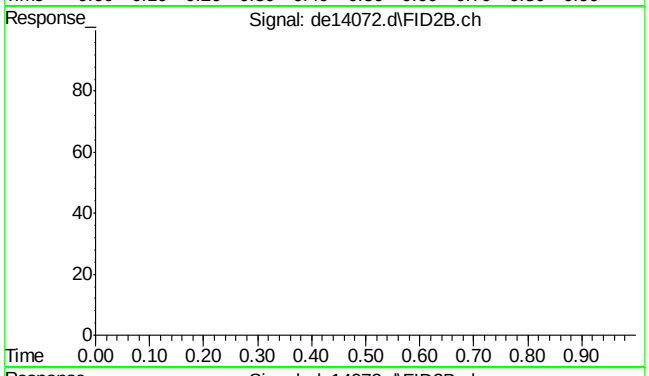
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 948903
Conc: 14.20 µg/ml m



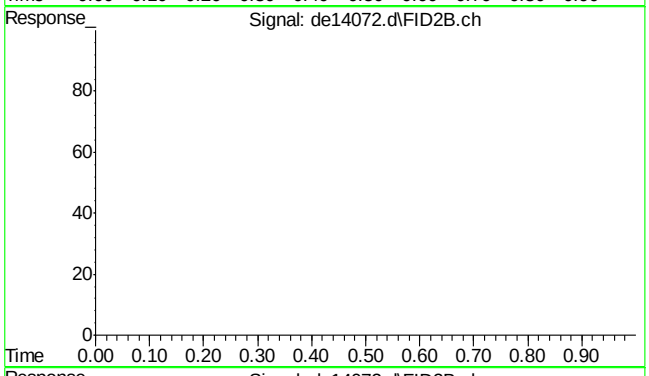
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



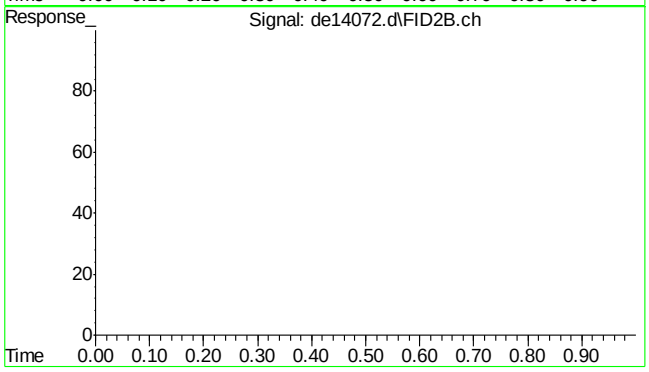
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14073.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 9:16 pm
Operator : thomasa
Sample : mc45754-4a,op47259
Misc : op47379,gde789,880,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:26:14 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.605	1706293	18.500 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 92.50%#	
6) s 2-bromonaphthalene	7.332	1184833	18.880 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 94.40%#	
11) s o-terphenyl	9.868	1663534	16.241 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 81.20%#	
35) s 1-chlorooctadecane	11.225	596197	10.538 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 52.69%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	2709847	27.594 µg/mlm
25) h c-9	2.648	852938	11.546 µg/mlm
41) h c-36	17.008	875112	13.099 µg/mlm

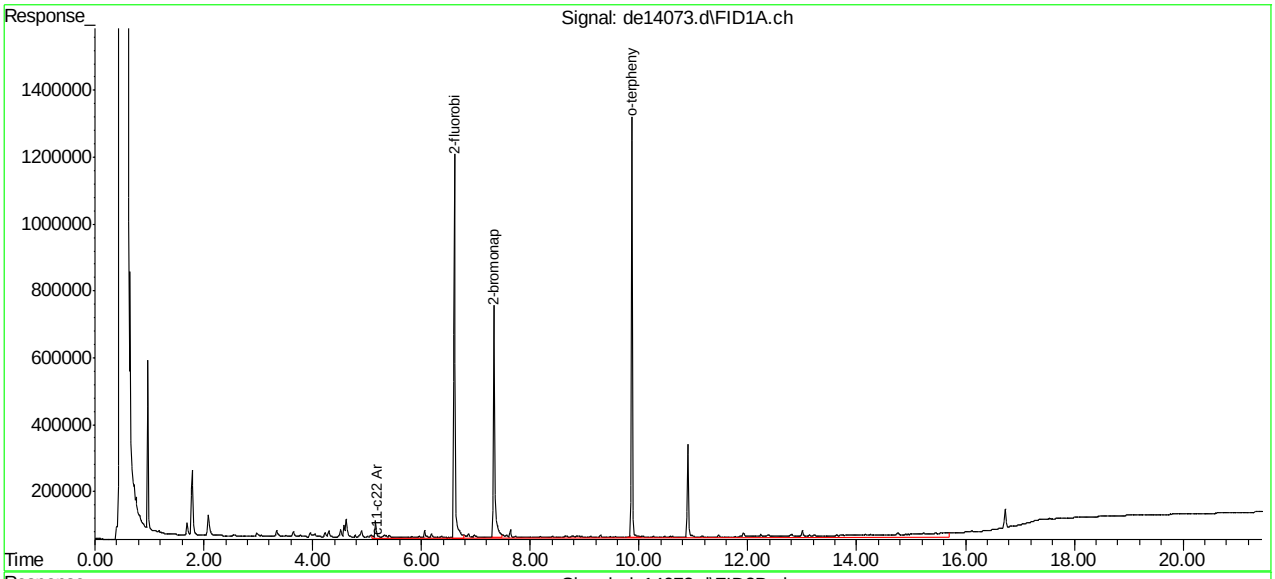
(f)=RT Delta > 1/2 Window (m)=manual int.

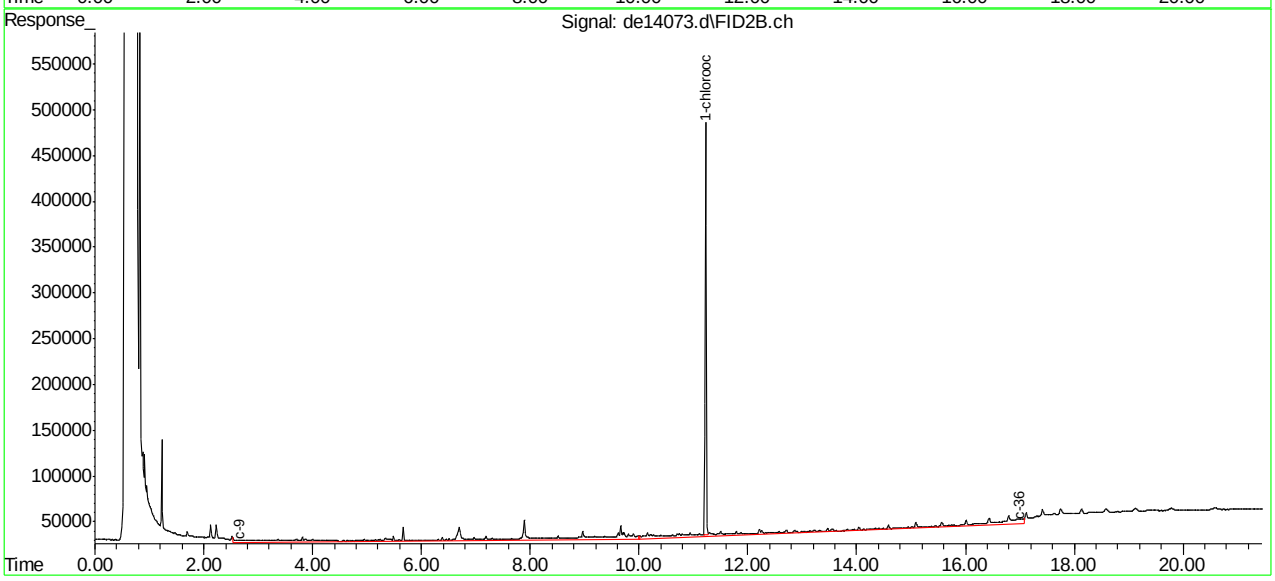
Quantitation Report (QT Reviewed)

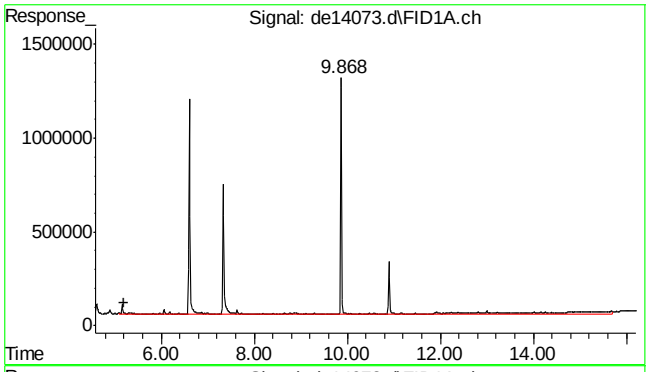
Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14073.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 9:16 pm
Operator : thomasa
Sample : mc45754-4a,op47259
Misc : op47379,gde789,880,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:26:14 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

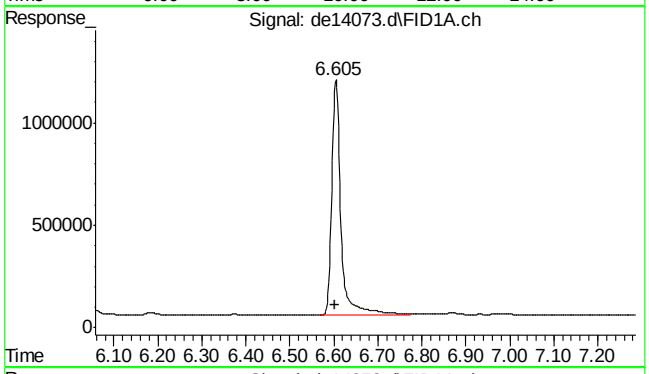






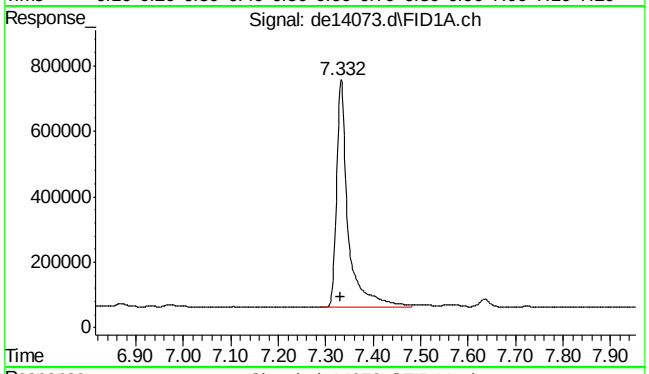
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 2709847
Conc: 27.59 µg/ml m



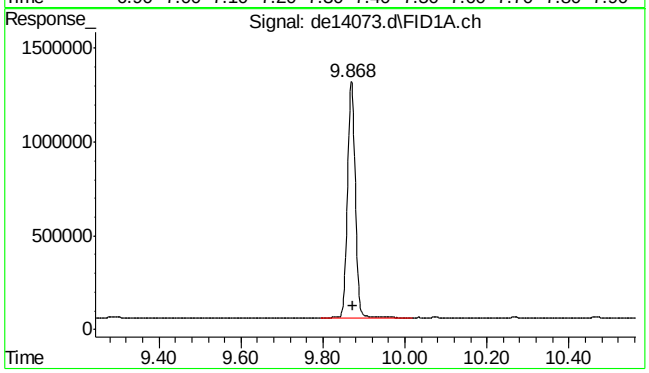
#4 2-fluorobiphenyl

R.T.: 6.605 min
Delta R.T.: 0.003 min
Response: 1706293
Conc: 18.50 µg/ml



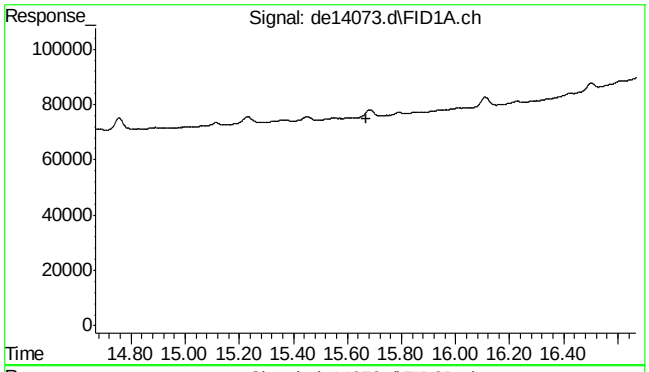
#6 2-bromonaphthalene

R.T.: 7.332 min
Delta R.T.: 0.002 min
Response: 1184833
Conc: 18.88 µg/ml



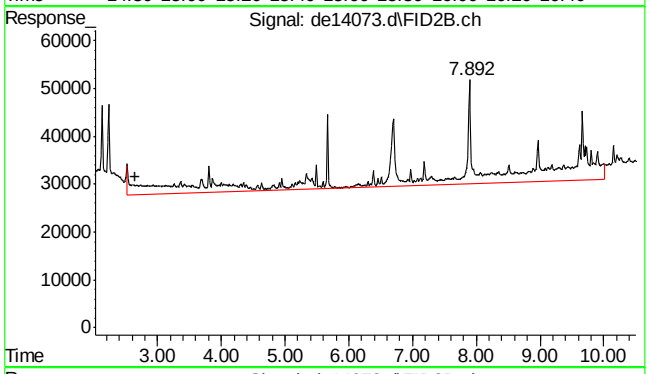
#11 o-terphenyl

R.T.: 9.868 min
Delta R.T.: -0.003 min
Response: 1663534
Conc: 16.24 µg/ml



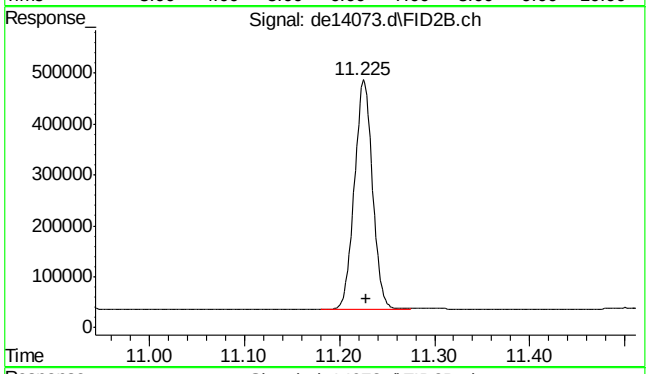
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



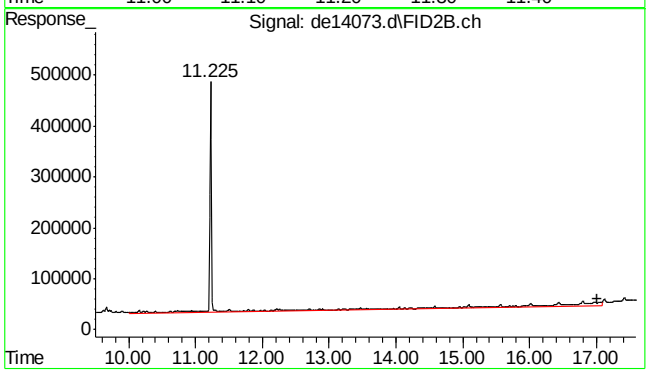
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 852938
Conc: 11.55 µg/ml m



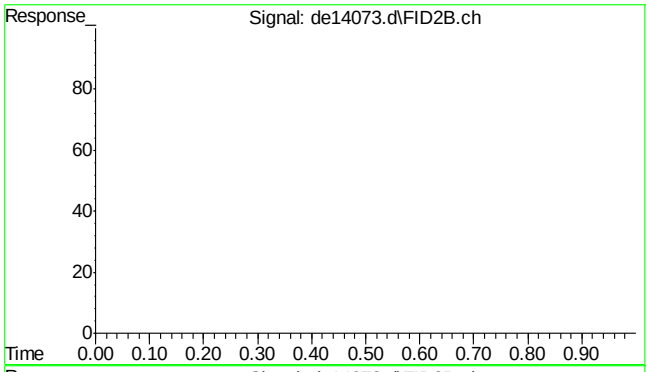
#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.003 min
Response: 596197
Conc: 10.54 µg/ml



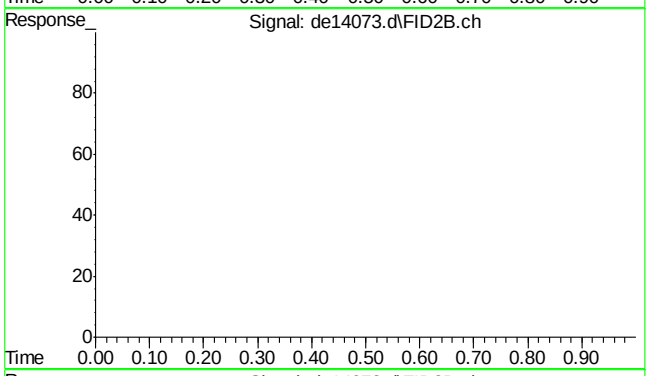
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 875112
Conc: 13.10 µg/ml m



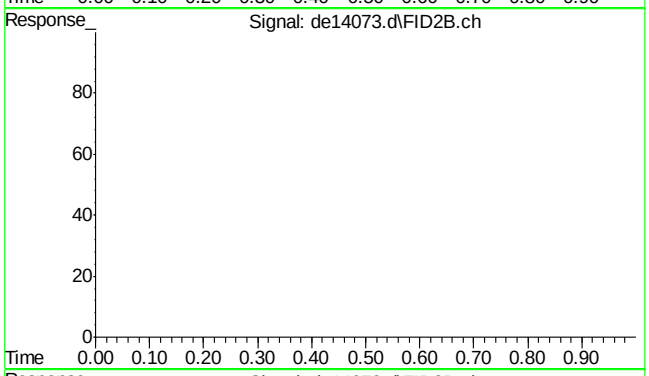
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



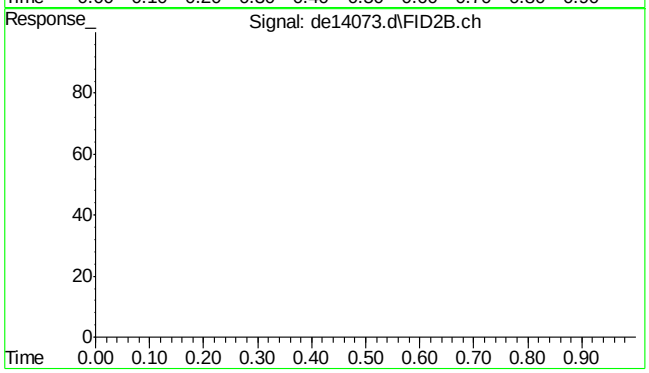
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14074.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 9:44 pm
Operator : thomasa
Sample : mc45754-5a,op47259
Misc : op47379,gde789,970,,,2,,w
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:28:55 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.603	1733870	18.799 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 93.99%#	
6) s 2-bromonaphthalene	7.332	1213141	19.331 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 96.66%#	
11) s o-terphenyl	9.870	1809886	17.670 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 88.35%#	
35) s 1-chlorooctadecane	11.225	684202	12.094 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 60.47%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	3134720	31.920 µg/mlm
25) h c-9	2.648	980408	13.272 µg/mlm
41) h c-36	17.008	870255	13.027 µg/mlm

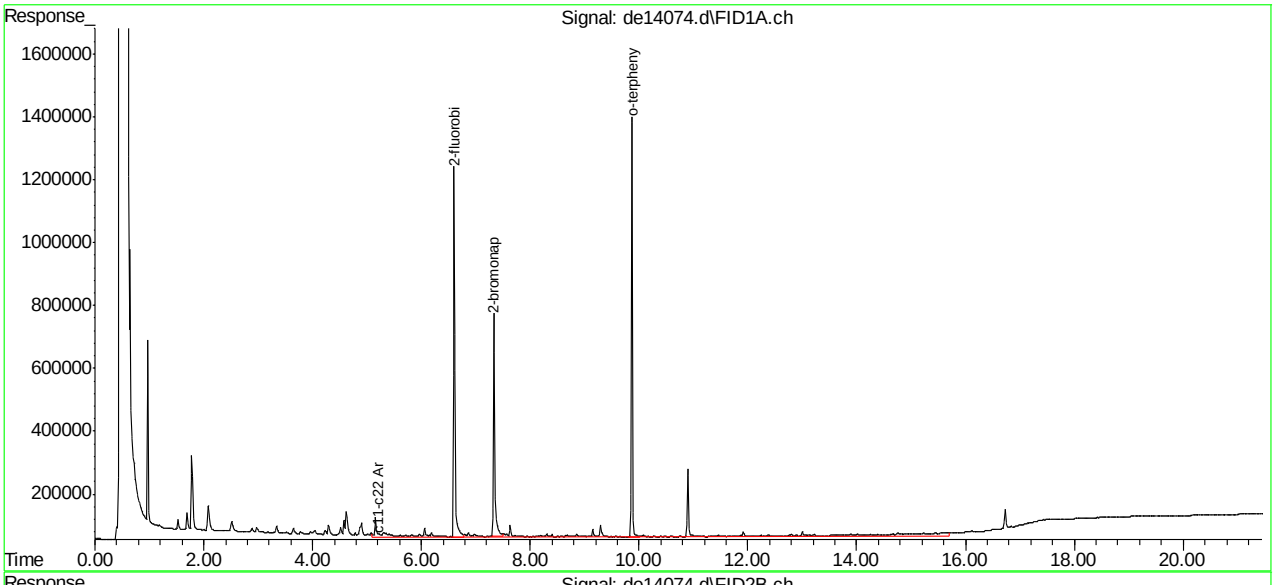
(f)=RT Delta > 1/2 Window (m)=manual int.

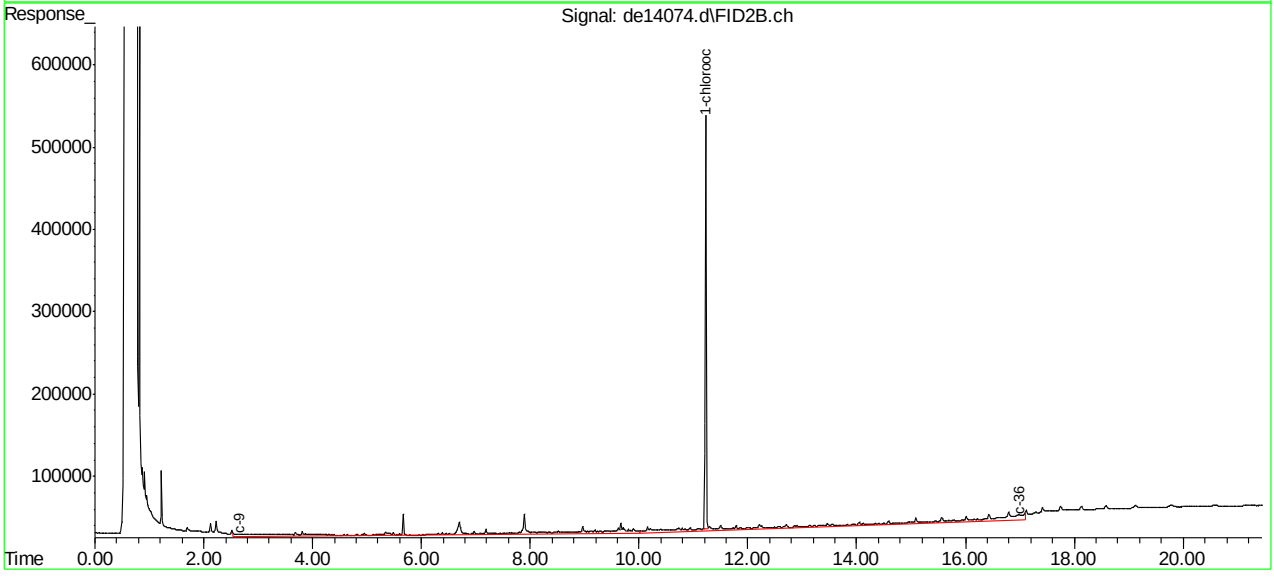
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14074.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 9:44 pm
Operator : thomasa
Sample : mc45754-5a,op47259
Misc : op47379,gde789,970,,,2,,w
ALS Vial : 18 Sample Multiplier: 1

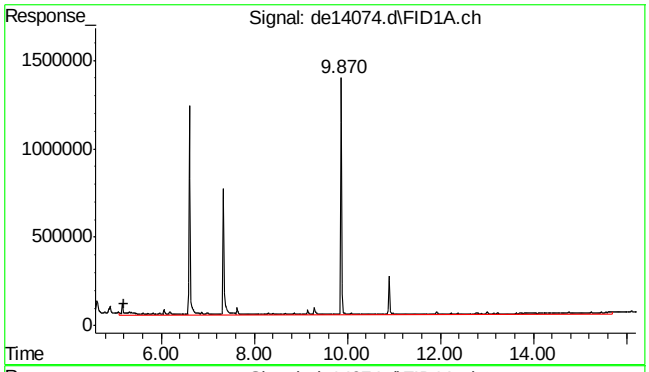
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:28:55 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



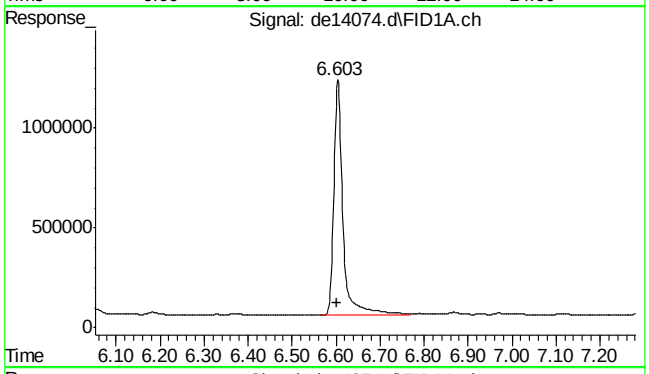


SGS ACCUTEST MC45754



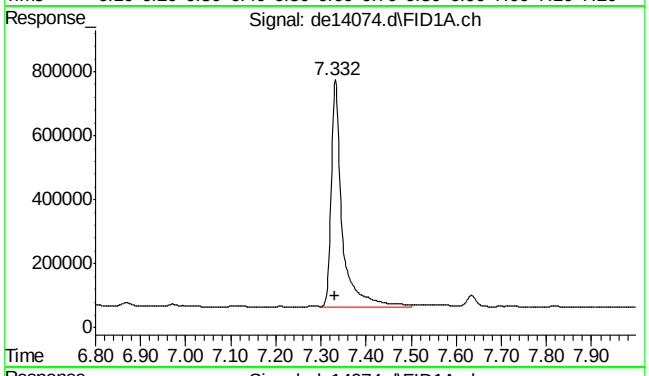
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 3134720
Conc: 31.92 µg/ml m



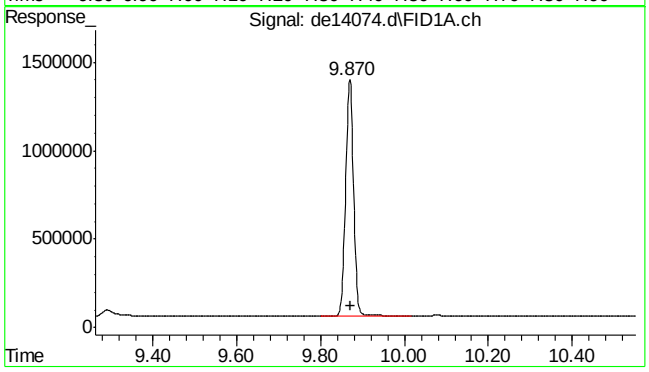
#4 2-fluorobiphenyl

R.T.: 6.603 min
Delta R.T.: 0.002 min
Response: 1733870
Conc: 18.80 µg/ml



#6 2-bromonaphthalene

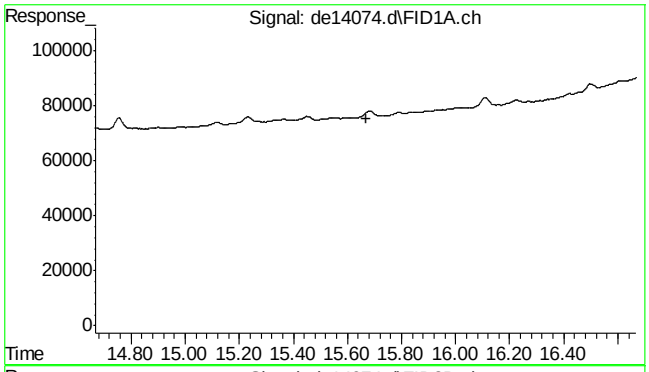
R.T.: 7.332 min
Delta R.T.: 0.002 min
Response: 1213141
Conc: 19.33 µg/ml



#11 o-terphenyl

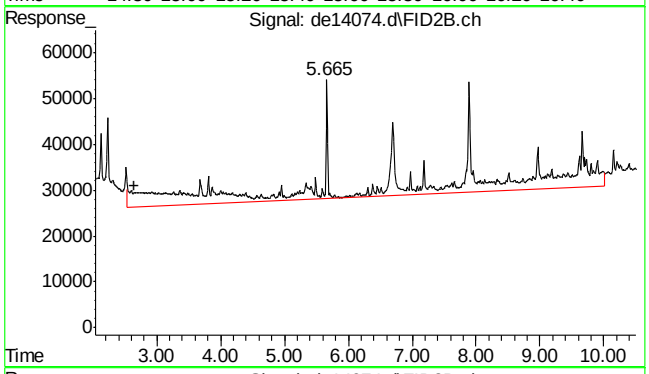
R.T.: 9.870 min
Delta R.T.: -0.002 min
Response: 1809886
Conc: 17.67 µg/ml

SGS ACCUTEST MC45754



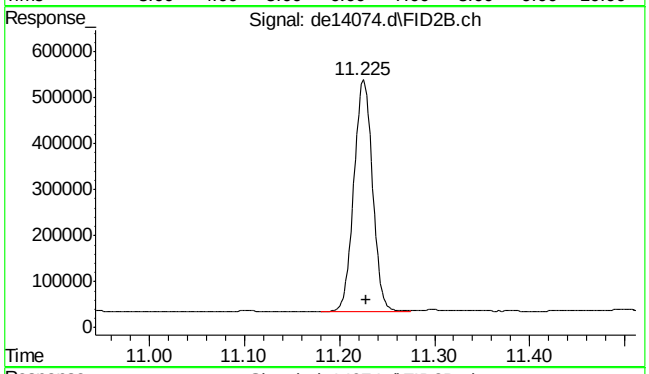
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



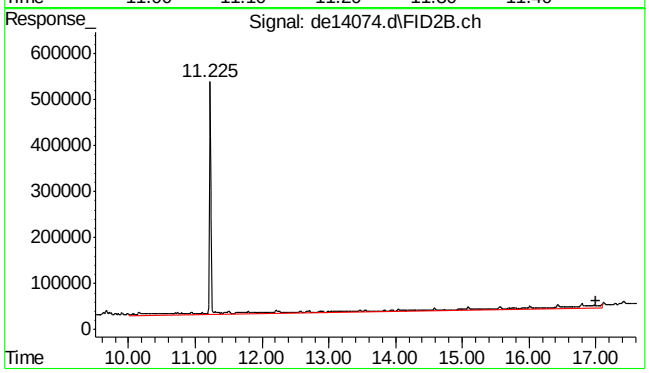
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 980408
Conc: 13.27 µg/ml m



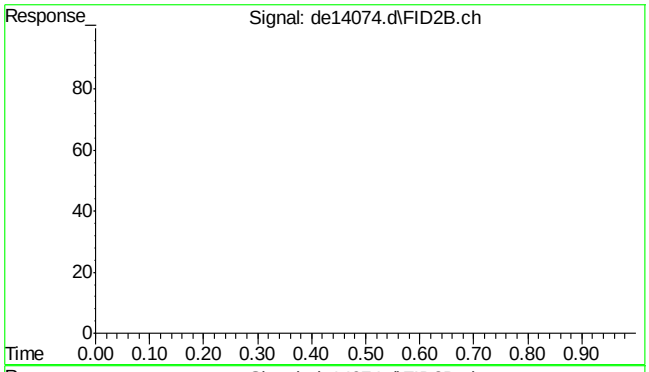
#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.003 min
Response: 684202
Conc: 12.09 µg/ml



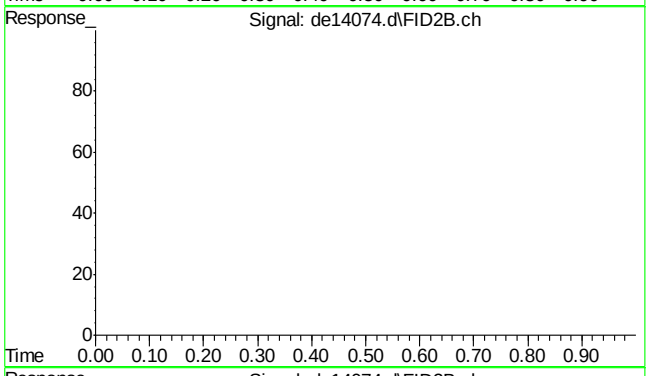
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 870255
Conc: 13.03 µg/ml m



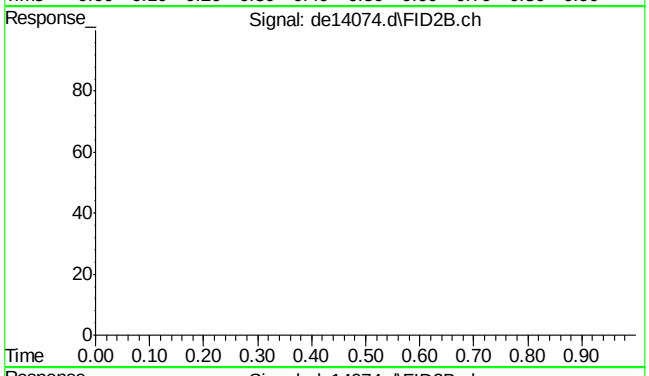
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



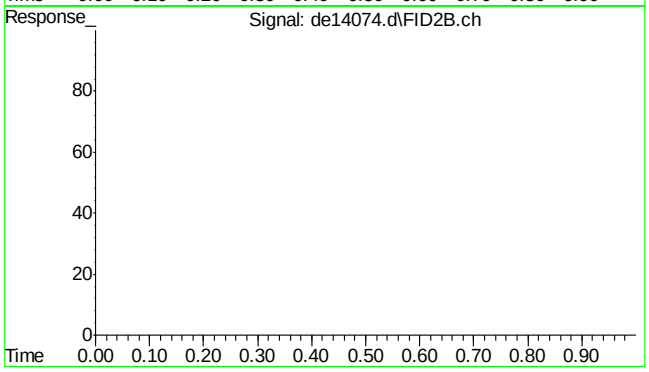
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14075.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:12 pm
Operator : thomasa
Sample : mc45754-6a,op47259
Misc : op47379,gde789,880,,,2,,w
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:31:48 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.605	1746921	18.941 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 94.70%#	
6) s 2-bromonaphthalene	7.330	1138263	18.138 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 90.69%#	
11) s o-terphenyl	9.868	1754339	17.128 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 85.64%#	
35) s 1-chlorooctadecane	11.225	702243	12.413 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 62.07%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	4027084	41.007 µg/mlm
25) h c-9	2.648	979313	13.257 µg/mlm
41) h c-36	17.008	1456854	21.807 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

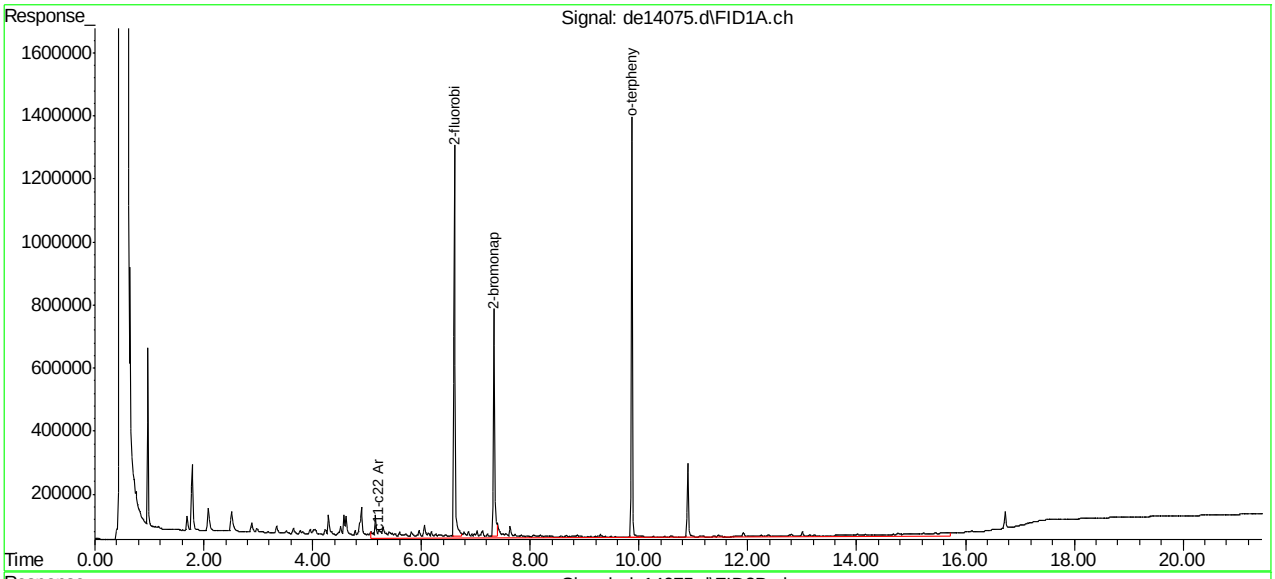
SGS ACCUTEST MC45754

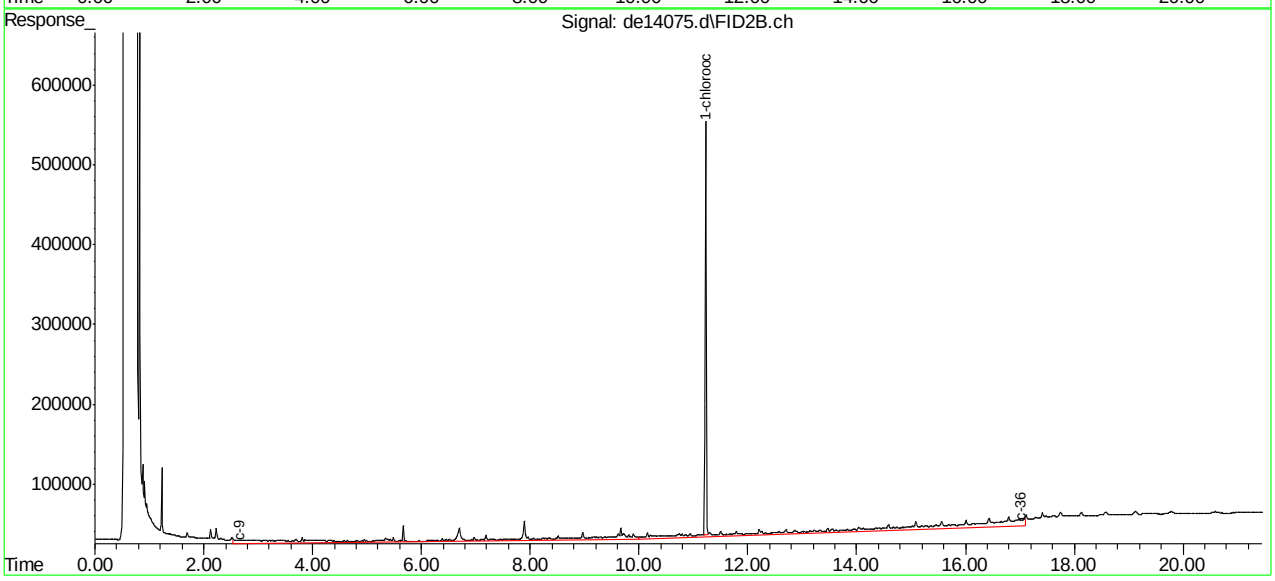
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14075.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:12 pm
Operator : thomasa
Sample : mc45754-6a,op47259
Misc : op47379,gde789,880,,,2,,w
ALS Vial : 20 Sample Multiplier: 1

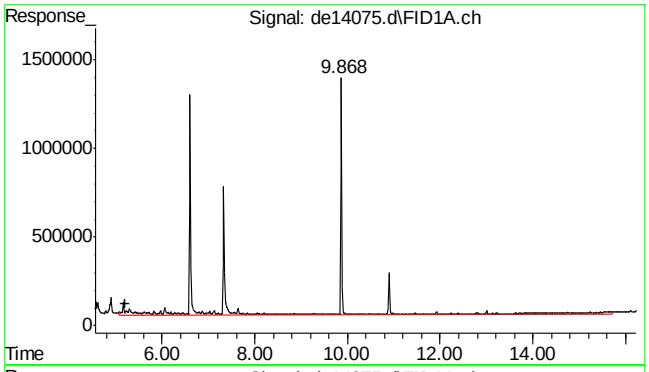
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 09:31:48 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



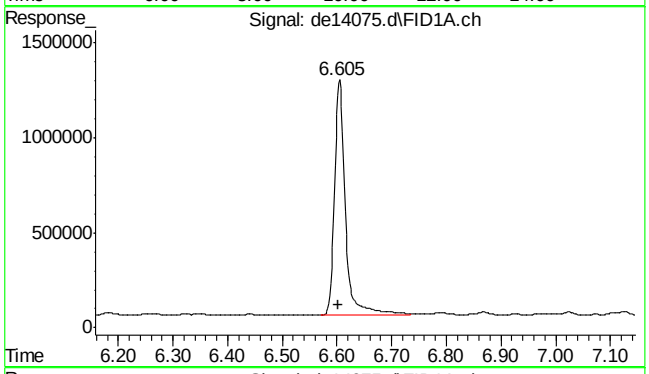


SGS ACCUTEST MC45754



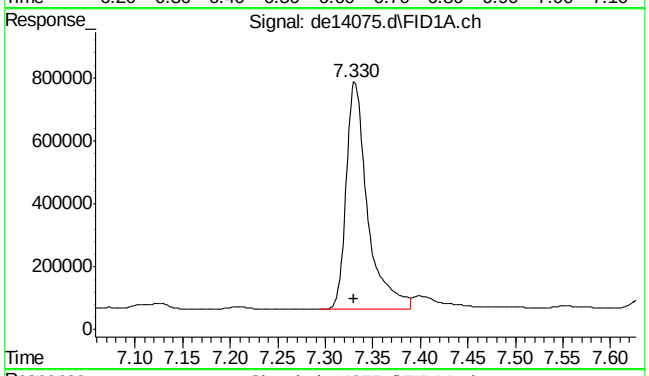
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 4027084
Conc: 41.01 µg/ml m



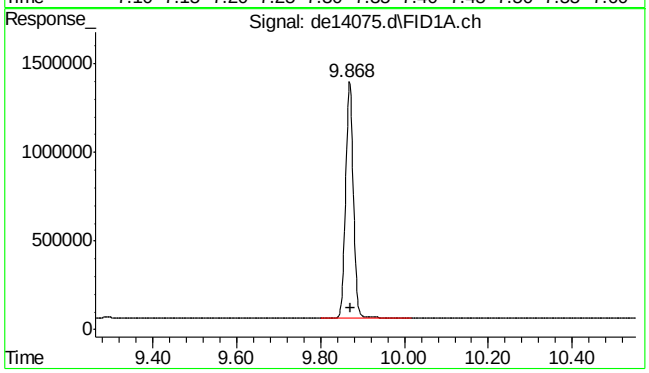
#4 2-fluorobiphenyl

R.T.: 6.605 min
Delta R.T.: 0.003 min
Response: 1746921
Conc: 18.94 µg/ml



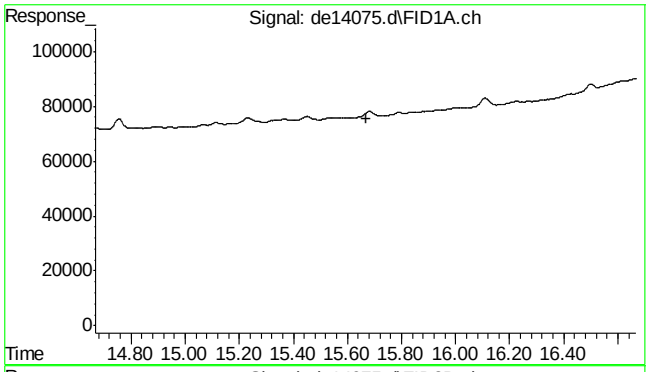
#6 2-bromonaphthalene

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 1138263
Conc: 18.14 µg/ml



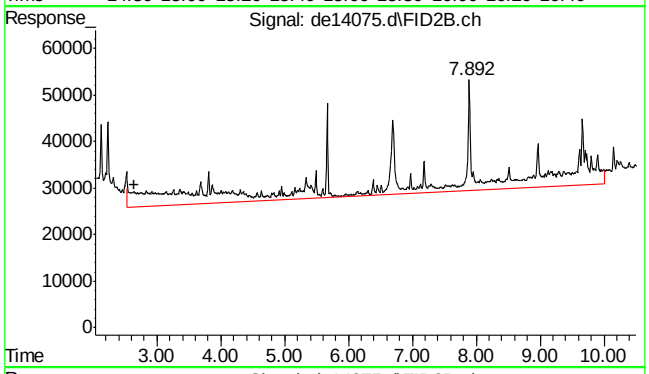
#11 o-terphenyl

R.T.: 9.868 min
Delta R.T.: -0.003 min
Response: 1754339
Conc: 17.13 µg/ml



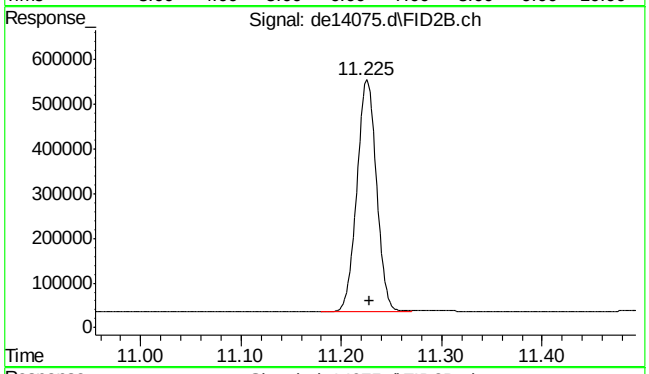
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



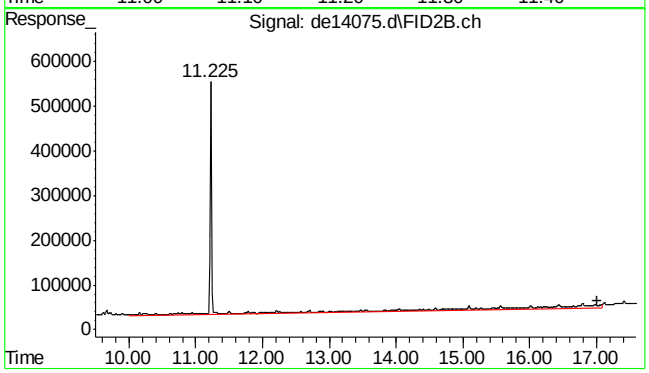
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 979313
Conc: 13.26 µg/ml m



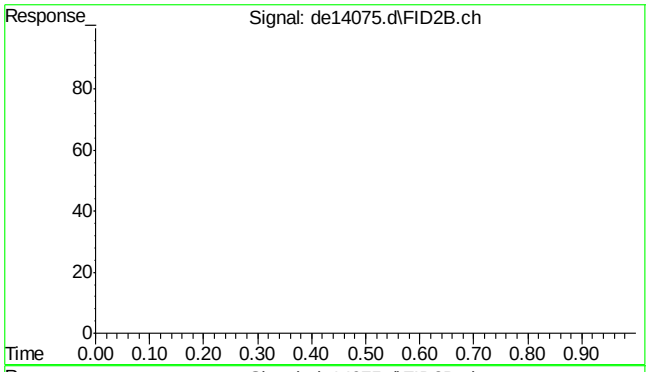
#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.003 min
Response: 702243
Conc: 12.41 µg/ml



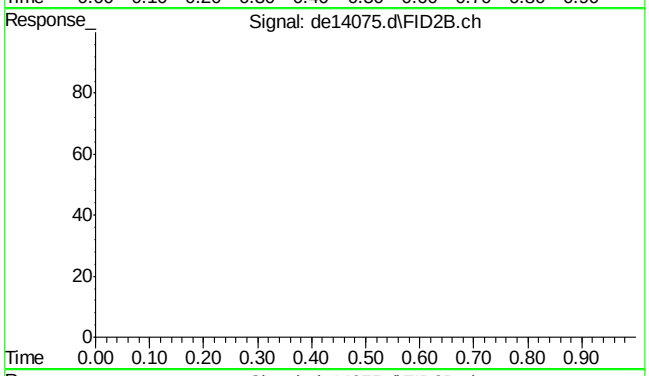
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 1456854
Conc: 21.81 µg/ml m



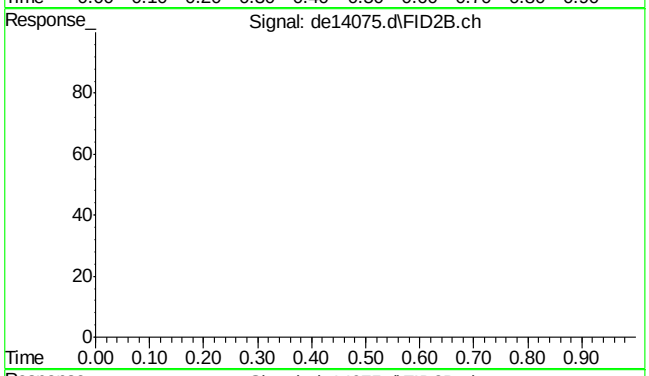
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



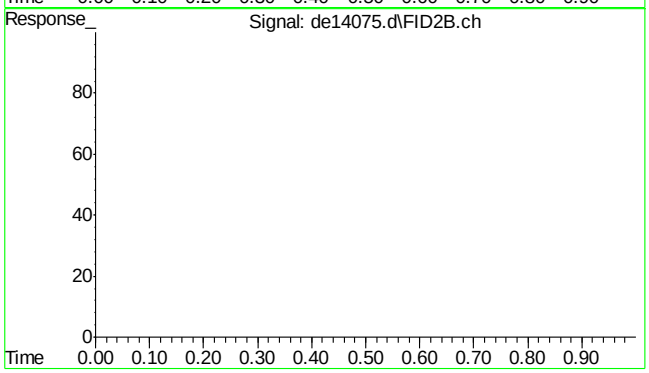
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 1:51 pm
Operator : thomasa
Sample : op47379-mb
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:16:26 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.658	1702311	18.457 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 92.29%#		
6) s 2-bromonaphthalene	7.390	1222885	19.487 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 97.43%#		
11) s o-terphenyl	9.925	1929178	18.835 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 94.18%#		
35) s 1-chlorooctadecane	11.225	712758	12.598 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 62.99%#		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	2953158	30.071 µg/mlm
25) h c-9	2.648	1042409	14.111 µg/mlm
41) h c-36	17.008	843178	12.621 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

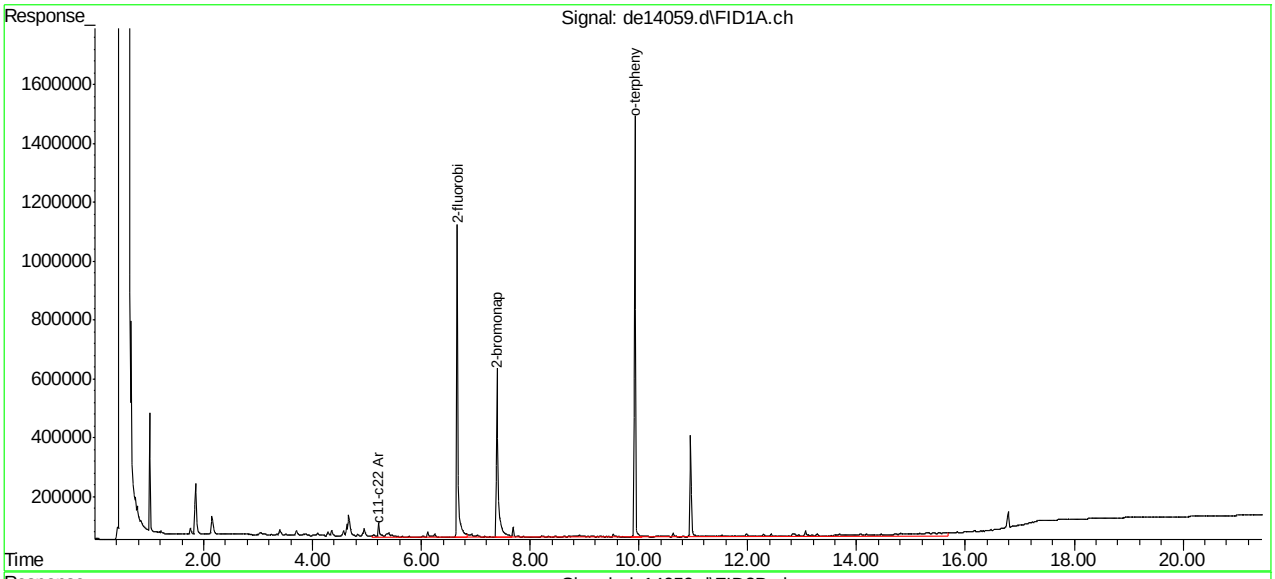
SGS ACCUTEST MC45754

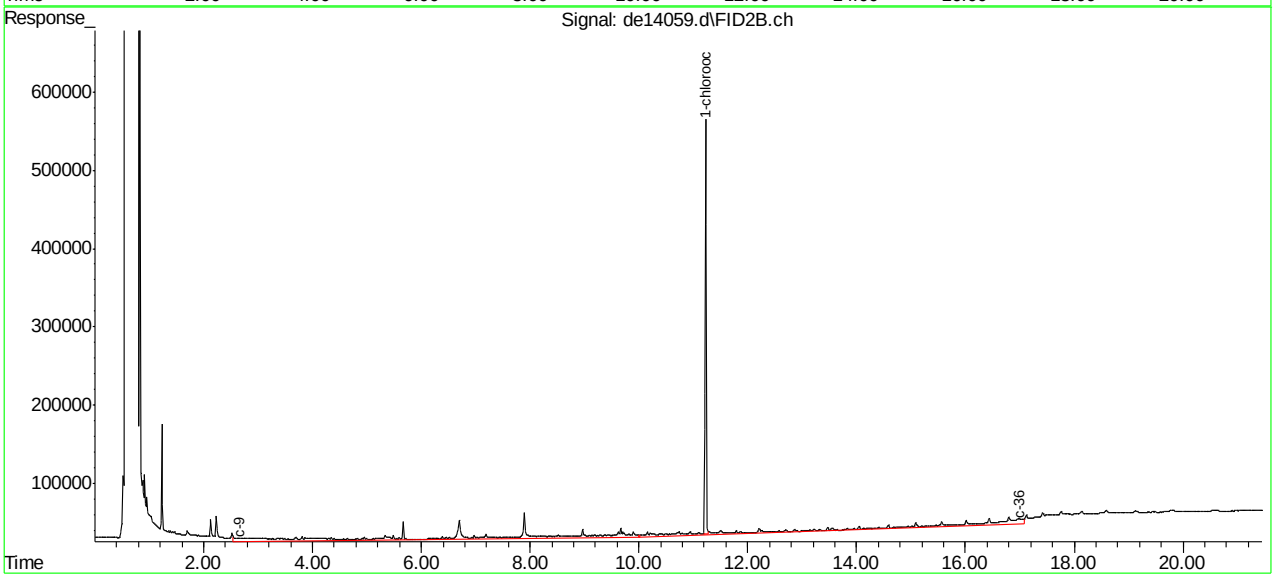
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 1:51 pm
Operator : thomasa
Sample : op47379-mb
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

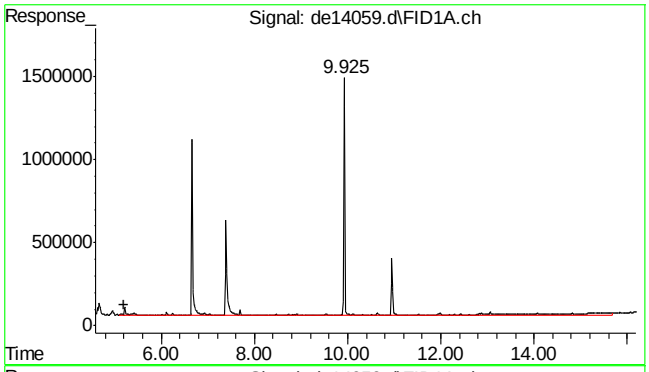
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:16:26 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



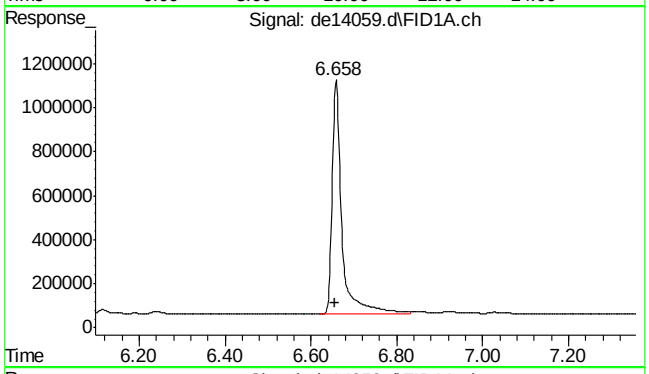


SGS ACCUTEST MC45754



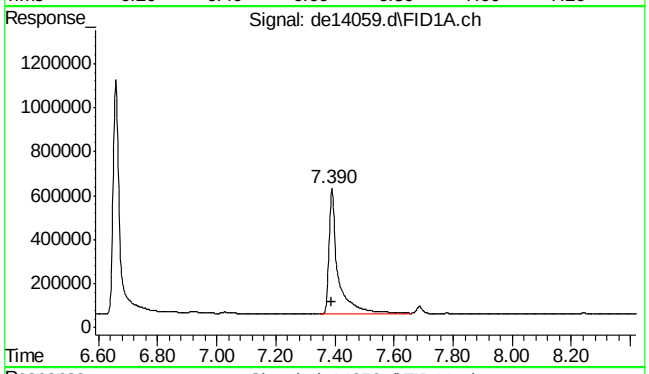
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 2953158
Conc: 30.07 µg/ml m



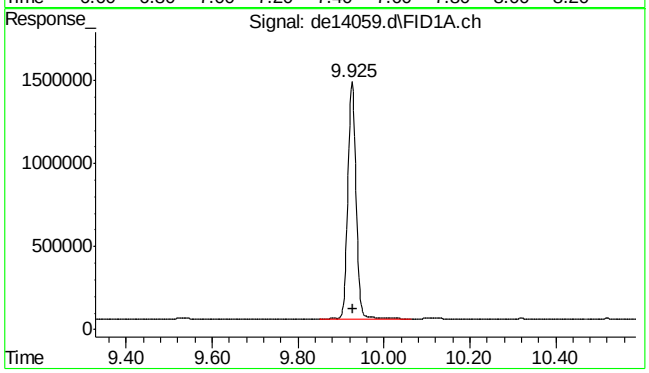
#4 2-fluorobiphenyl

R.T.: 6.658 min
Delta R.T.: 0.002 min
Response: 1702311
Conc: 18.46 µg/ml



#6 2-bromonaphthalene

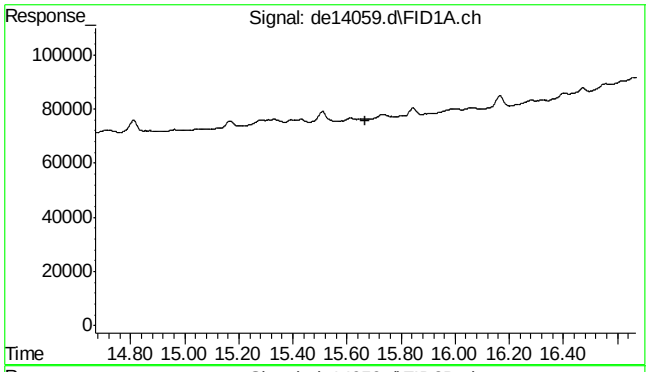
R.T.: 7.390 min
Delta R.T.: 0.003 min
Response: 1222885
Conc: 19.49 µg/ml



#11 o-terphenyl

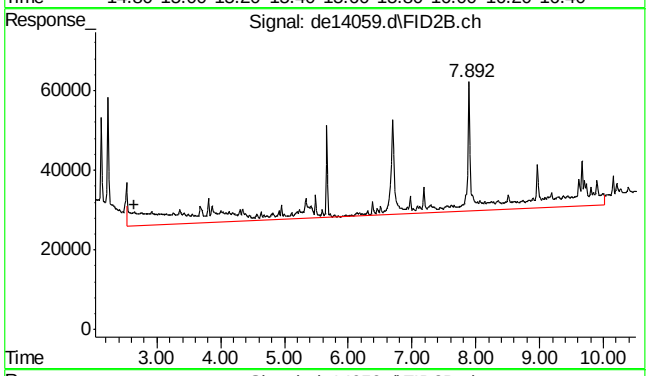
R.T.: 9.925 min
Delta R.T.: -0.002 min
Response: 1929178
Conc: 18.83 µg/ml

SGS ACCUTEST MC45754



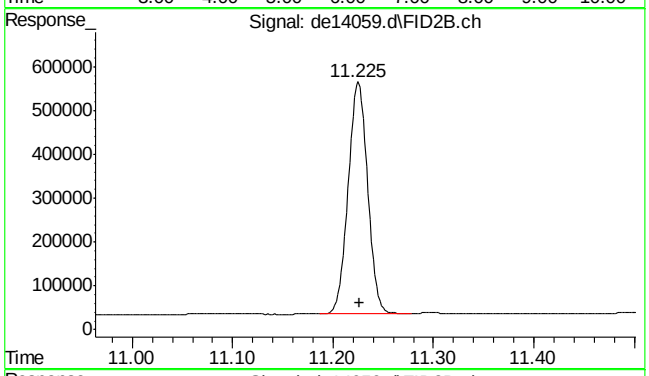
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



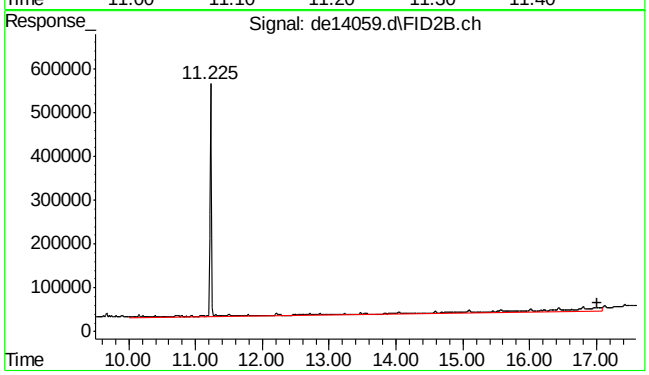
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 1042409
Conc: 14.11 µg/ml m



#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.002 min
Response: 712758
Conc: 12.60 µg/ml



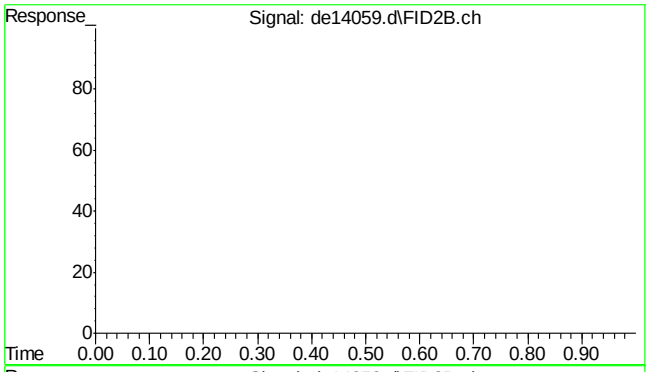
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 843178
Conc: 12.62 µg/ml m

9.2.1

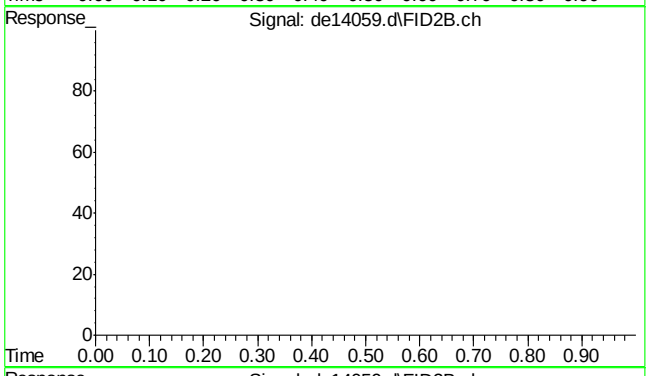
9

SGS ACCUTEST MC45754



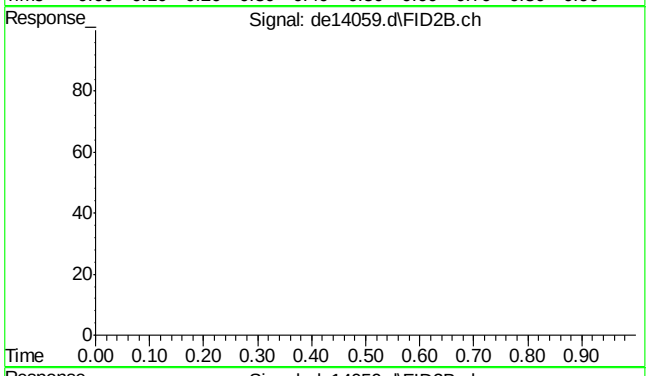
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



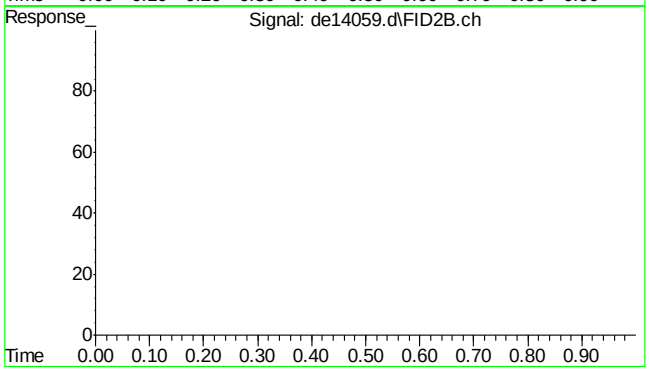
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

SGS ACCUTEST MC45754

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14057.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:56 pm
Operator : thomasa
Sample : op47379-bs
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:17:13 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.662	1540470	16.702 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	83.51%#
6) s 2-bromonaphthalene	7.393	960926	15.312 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	76.56%#
11) s o-terphenyl	9.930	1589583	15.519 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	77.59%#
35) s 1-chlorooctadecane	11.227	571170	10.096 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	50.48%#
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	34145541	347.698 µg/mlm
2) naphthalene	5.212	1555365	15.080 µg/ml
3) 2-methylnaphthalene	6.110	1585931	15.475 µg/ml
5) acenaphthylene	7.223	1614011	16.044 µg/ml
7) acenaphthene	7.463	1933470	18.703 µg/ml
8) fluorene	8.110	1733560	17.068 µg/ml
9) phenanthrene	9.293	1702116	16.726 µg/ml
10) anthracene	9.348	1887255	19.455 µg/ml
12) fluoranthene	10.798	1882906	18.840 µg/ml
13) pyrene	11.055	1894882	18.676 µg/ml
14) benzo(a)anthracene	12.618	1870764	19.351 µg/ml
15) chrysene	12.665	1882923	19.344 µg/ml
16) benzo(B)fluoranthene	13.918	1909386	19.286 µg/ml
17) benzo(k)fluoranthene	13.947	1803372	19.083 µg/ml
18) benzo(a)pyrene	14.253	1816064	19.647 µg/ml
19) indeno(1,2,3-cd)pyrene	15.395	1854336	19.590 µg/ml
20) dibenzo(ah)anthracene	15.438	1766624	19.329 µg/ml
21) benzo(ghi)perylene	15.618	1826491	19.827 µg/ml
25) h c-9	2.648	882564	11.947 µg/mlm
26) h c-10	3.815	1043082	14.120 µg/ml
27) naphthalene #2	5.488	4390	0.055 µg/ml
28) c-12	5.663	1154982	15.635 µg/ml
29) 2-methylnaphthalene #2	6.383	4305	0.053 µg/ml
30) c-14	7.183	1178159	15.949 µg/ml
31) c-16	8.512	1196968	16.203 µg/ml
32) c-18	9.707	1276078	17.274 µg/ml
33) c-19	10.263	1288987	19.294 µg/ml
34) c-20	10.793	1295445	19.391 µg/ml
36) c-22	11.788	1314563	19.677 µg/ml
37) c-24	12.708	1303807	19.516 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14057.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:56 pm
Operator : thomasa
Sample : op47379-bs
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:17:13 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units
38)		c-26	13.558	1280443	19.166	µg/ml
39)		c-28	14.353	1261024	18.876	µg/ml
40)	h	c-30	15.098	1238460	18.538	µg/ml
41)	h	c-36	17.008	1007076	15.075	µg/mlm

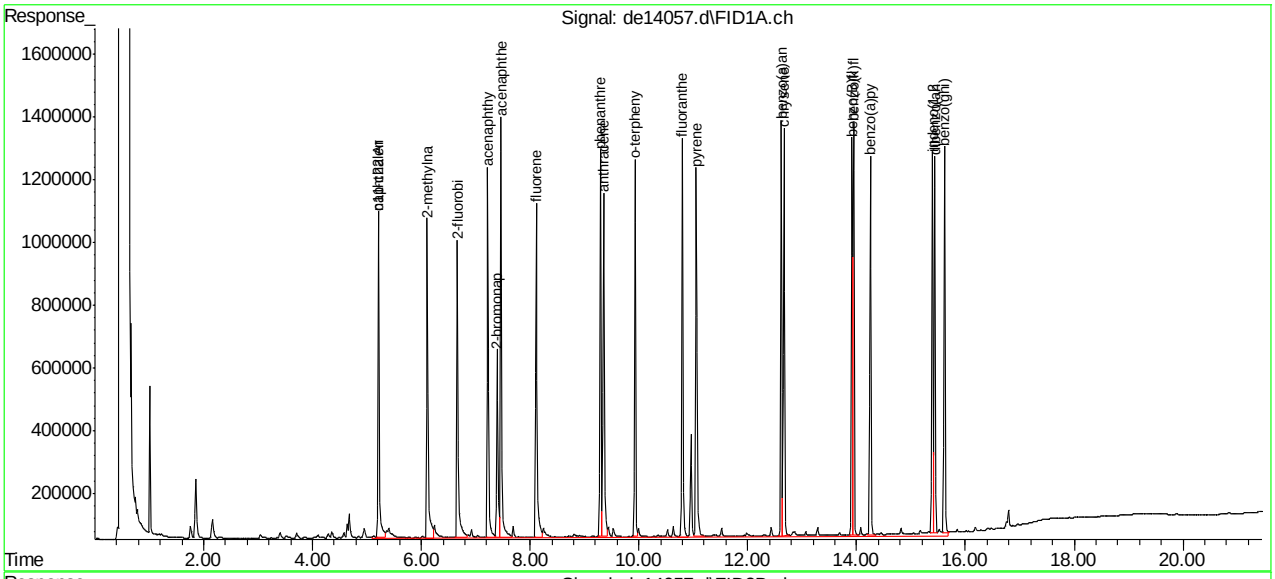
(f)=RT Delta > 1/2 Window (m)=manual int.

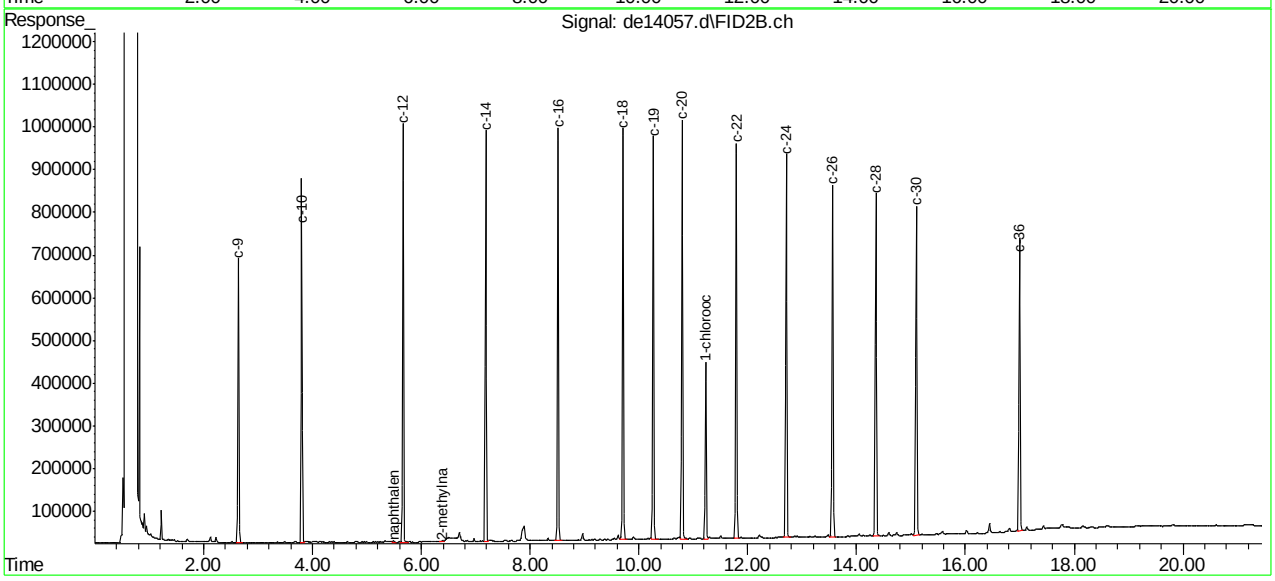
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14057.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:56 pm
Operator : thomasa
Sample : op47379-bs
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:17:13 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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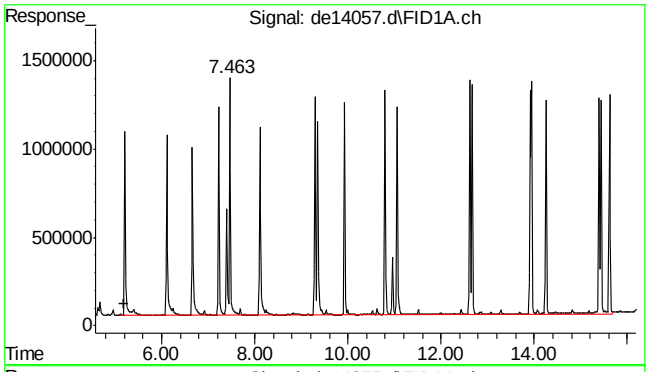
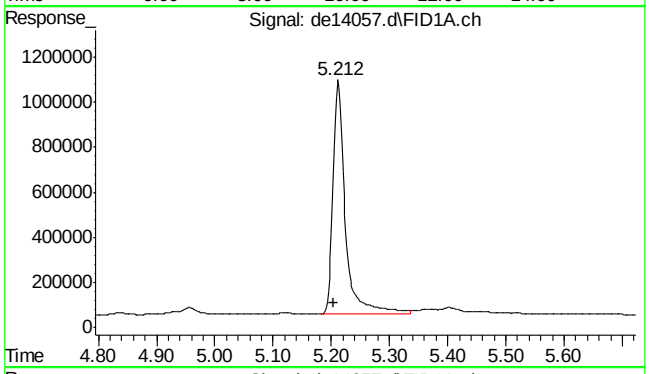


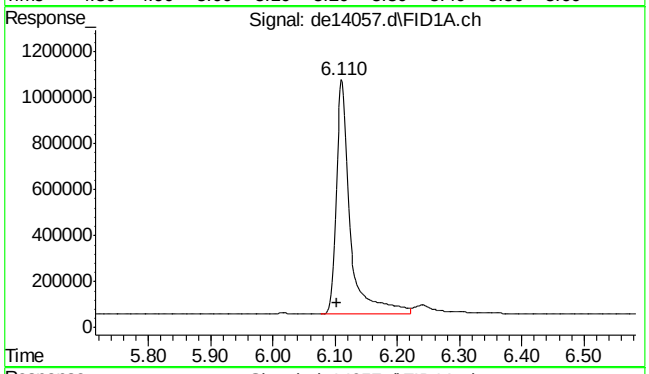
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 34145541
Conc: 347.70 µg/ml m



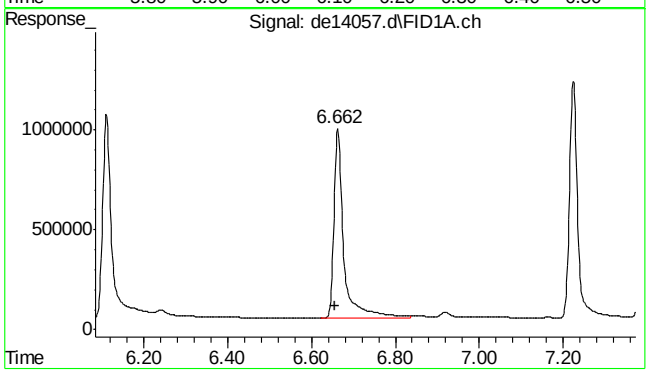
#2 naphthalene

R.T.: 5.212 min
Delta R.T.: 0.008 min
Response: 1555365
Conc: 15.08 µg/ml



#3 2-methylnaphthalene

R.T.: 6.110 min
Delta R.T.: 0.007 min
Response: 1585931
Conc: 15.48 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.662 min
Delta R.T.: 0.005 min
Response: 1540470
Conc: 16.70 µg/ml

9.3.1

9

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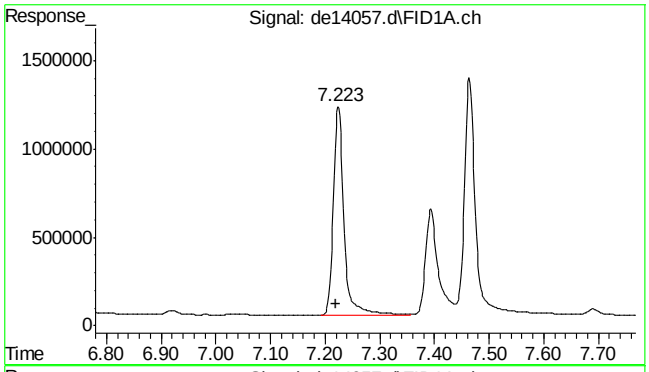
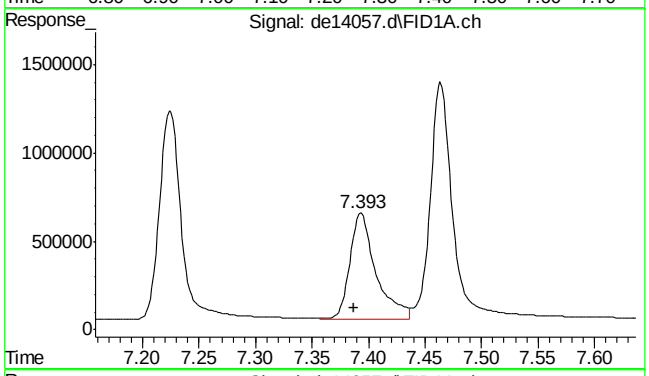


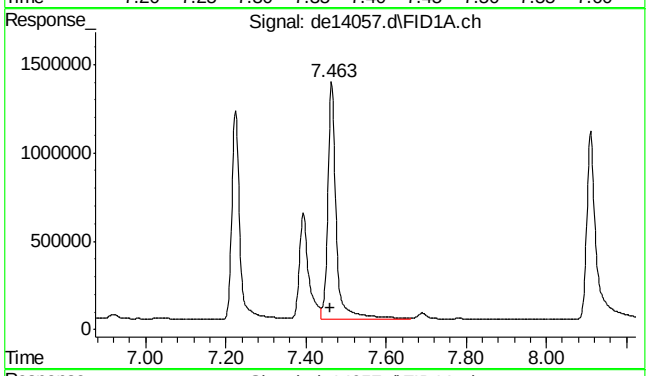
#5 acenaphthylene

R.T.: 7.223 min
Delta R.T.: 0.003 min
Response: 1614011
Conc: 16.04 µg/ml



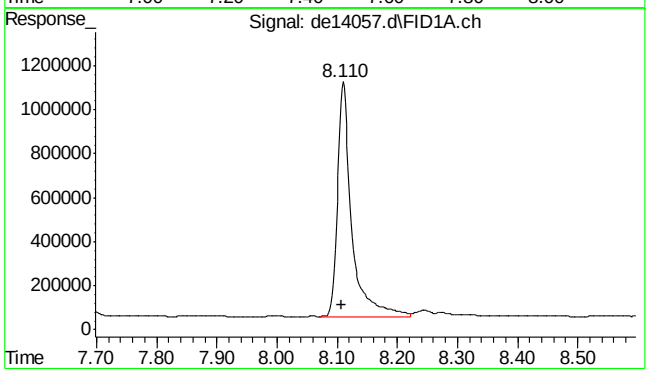
#6 2-bromonaphthalene

R.T.: 7.393 min
Delta R.T.: 0.007 min
Response: 960926
Conc: 15.31 µg/ml



#7 acenaphthene

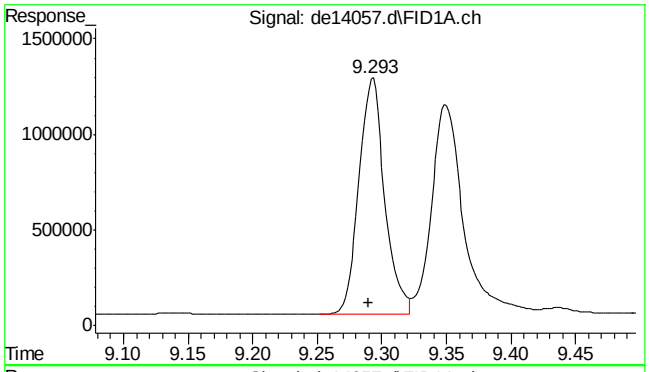
R.T.: 7.463 min
Delta R.T.: 0.003 min
Response: 1933470
Conc: 18.70 µg/ml



#8 fluorene

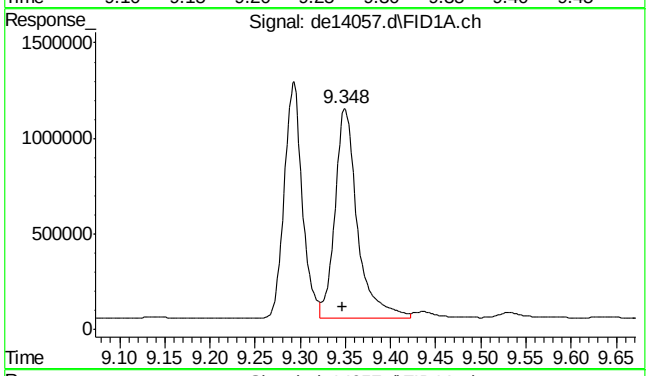
R.T.: 8.110 min
Delta R.T.: 0.003 min
Response: 1733560
Conc: 17.07 µg/ml

SGS ACCUTEST MC45754



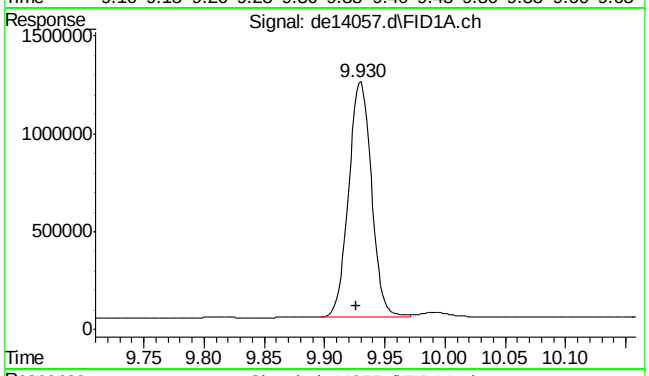
#9 phenanthrene

R.T.: 9.293 min
Delta R.T.: 0.003 min
Response: 1702116
Conc: 16.73 µg/ml



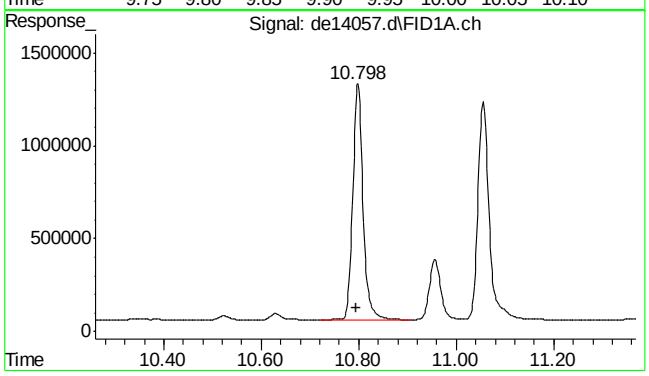
#10 anthracene

R.T.: 9.348 min
Delta R.T.: 0.002 min
Response: 1887255
Conc: 19.45 µg/ml



#11 o-terphenyl

R.T.: 9.930 min
Delta R.T.: 0.003 min
Response: 1589583
Conc: 15.52 µg/ml



#12 fluoranthene

R.T.: 10.798 min
Delta R.T.: 0.003 min
Response: 1882906
Conc: 18.84 µg/ml

9.3.1

9

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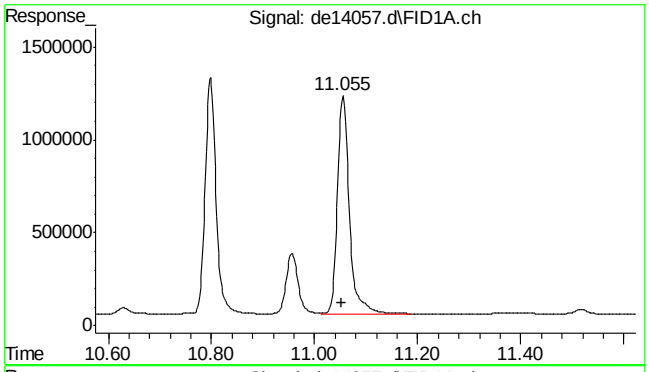
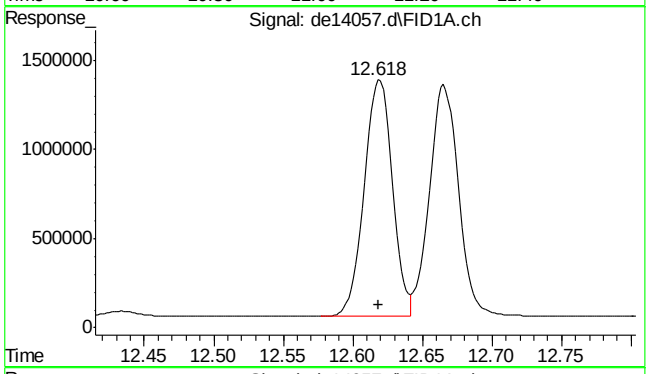


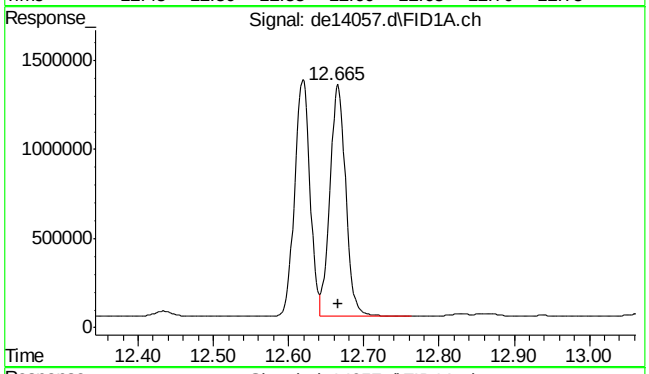
#13 pyrene

R.T.: 11.055 min
Delta R.T.: 0.002 min
Response: 1894882
Conc: 18.68 µg/ml



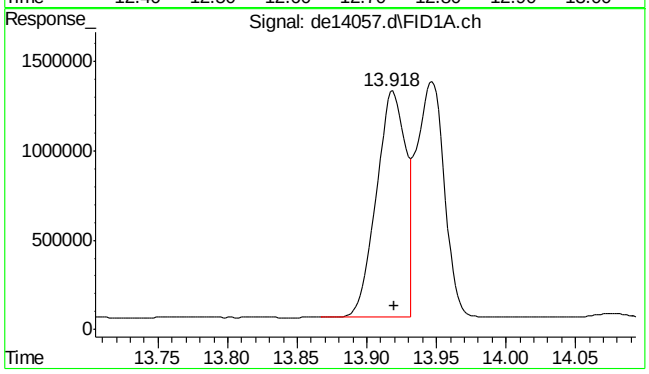
#14 benzo(a)anthracene

R.T.: 12.618 min
Delta R.T.: 0.000 min
Response: 1870764
Conc: 19.35 µg/ml



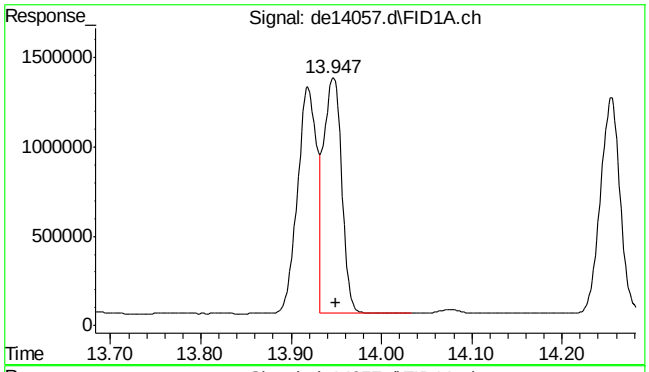
#15 chrysene

R.T.: 12.665 min
Delta R.T.: -0.002 min
Response: 1882923
Conc: 19.34 µg/ml



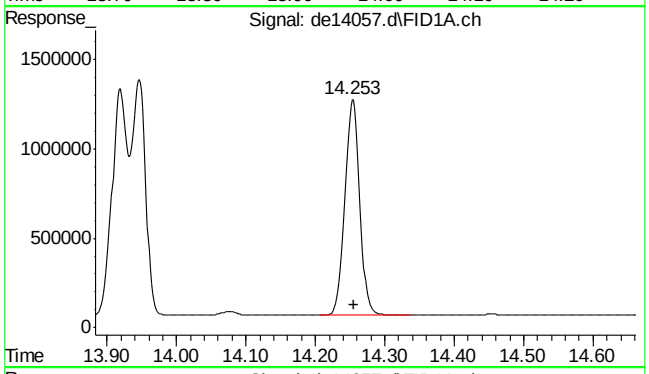
#16 benzo(B)fluoranthene

R.T.: 13.918 min
Delta R.T.: -0.002 min
Response: 1909386
Conc: 19.29 µg/ml



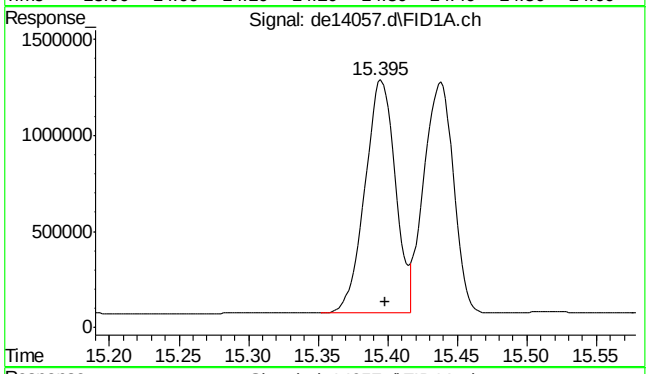
#17 benzo(k)fluoranthene

R.T.: 13.947 min
Delta R.T.: -0.003 min
Response: 1803372
Conc: 19.08 µg/ml



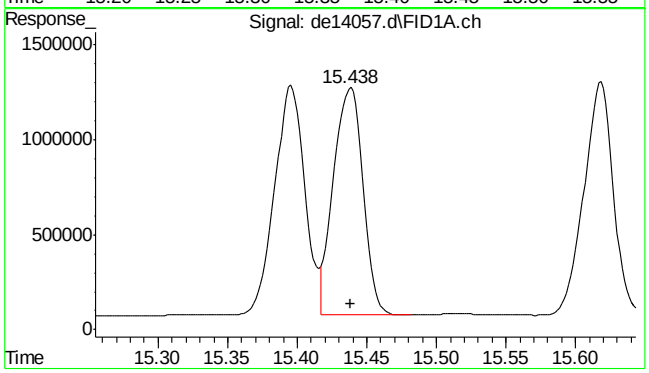
#18 benzo(a)pyrene

R.T.: 14.253 min
Delta R.T.: -0.002 min
Response: 1816064
Conc: 19.65 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.395 min
Delta R.T.: -0.003 min
Response: 1854336
Conc: 19.59 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.438 min
Delta R.T.: 0.000 min
Response: 1766624
Conc: 19.33 µg/ml

9.3.1

9

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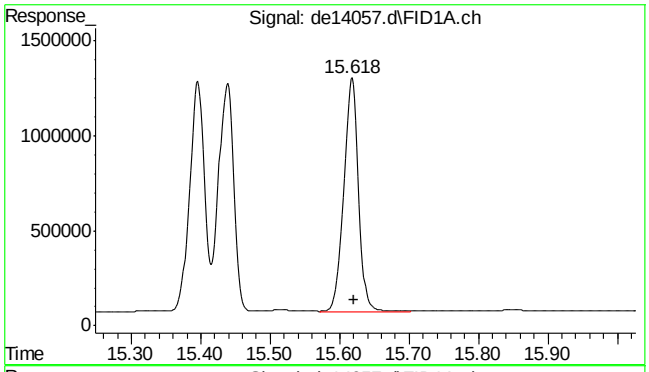
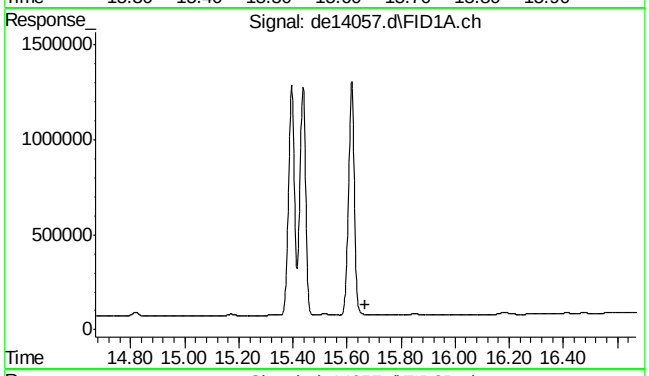


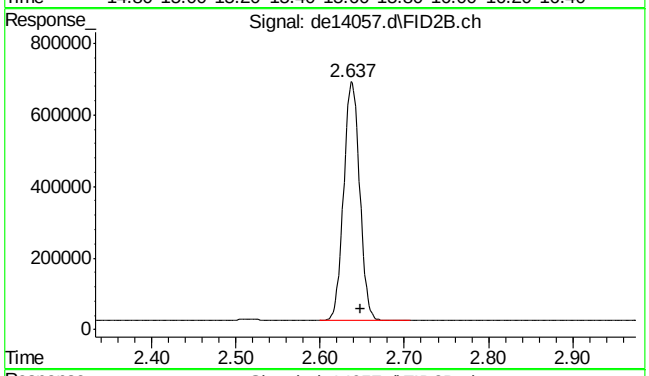
#21 benzo(ghi)perylene

R.T.: 15.618 min
Delta R.T.: -0.002 min
Response: 1826491
Conc: 19.83 µg/ml



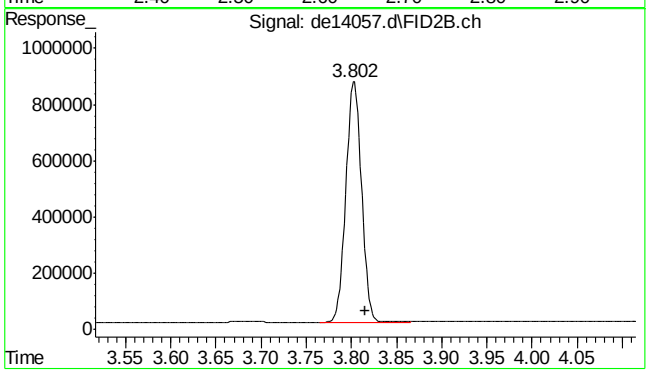
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



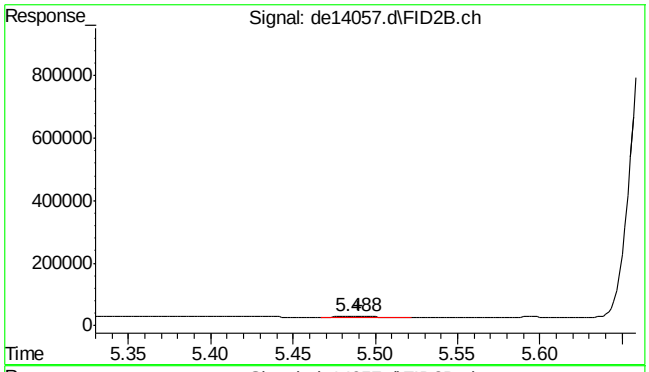
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 882564
Conc: 11.95 µg/ml m



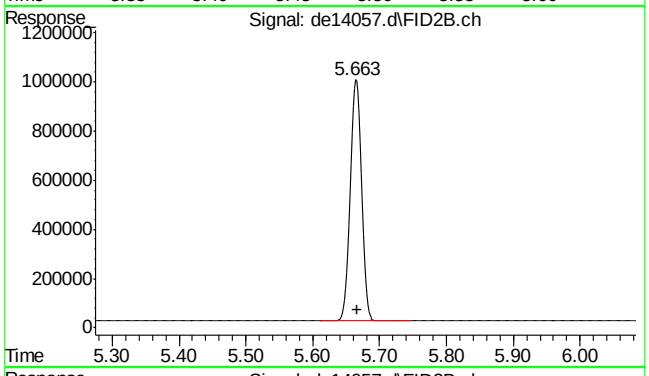
#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 1043082
Conc: 14.12 µg/ml



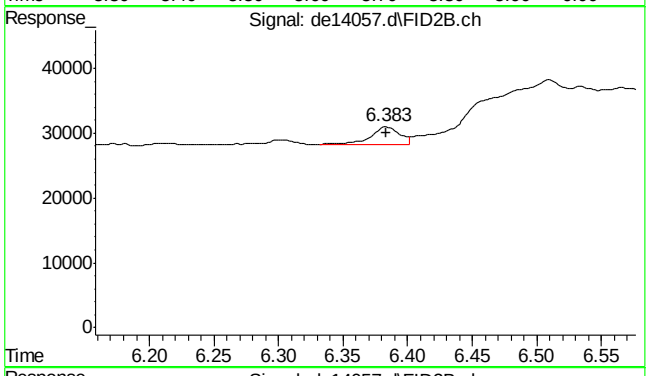
#27 naphthalene #2

R.T.: 5.488 min
Delta R.T.: -0.002 min
Response: 4390
Conc: 0.05 µg/ml



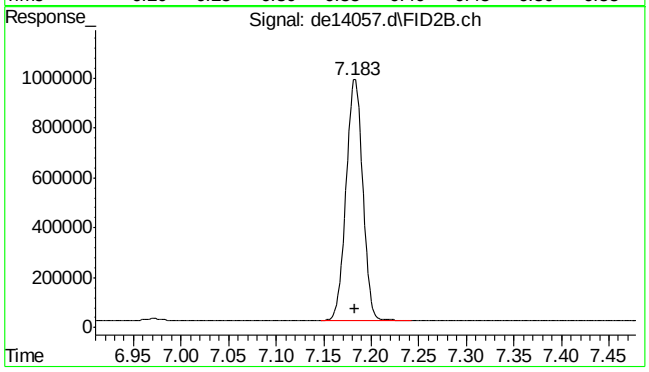
#28 c-12

R.T.: 5.663 min
Delta R.T.: -0.003 min
Response: 1154982
Conc: 15.63 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 4305
Conc: 0.05 µg/ml



#30 c-14

R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 1178159
Conc: 15.95 µg/ml

9.3.1

9

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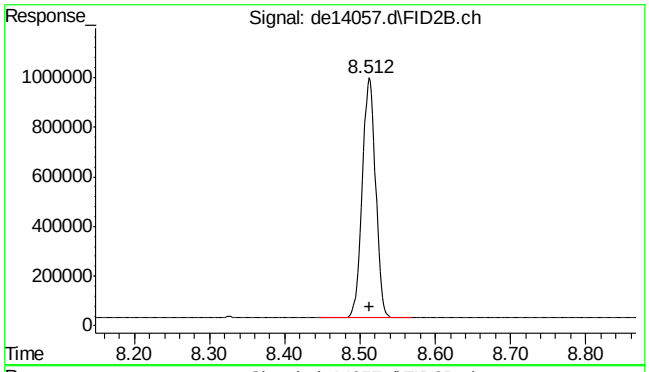
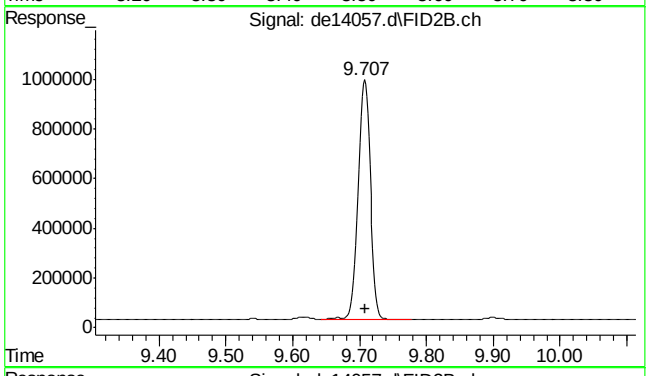


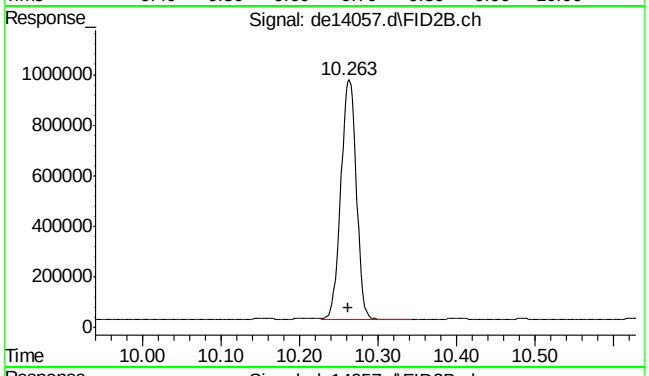
#31 c-16

R.T.: 8.512 min
Delta R.T.: -0.002 min
Response: 1196968
Conc: 16.20 µg/ml



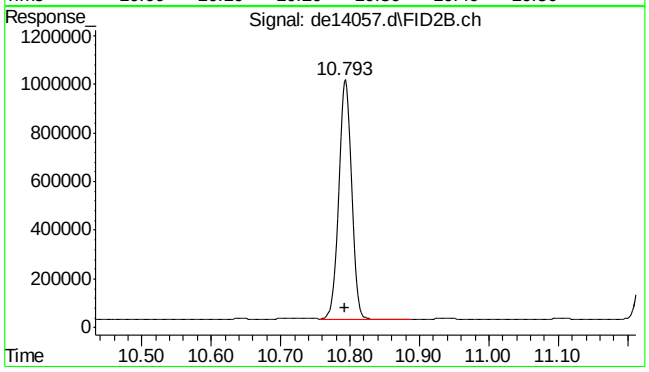
#32 c-18

R.T.: 9.707 min
Delta R.T.: -0.002 min
Response: 1276078
Conc: 17.27 µg/ml



#33 c-19

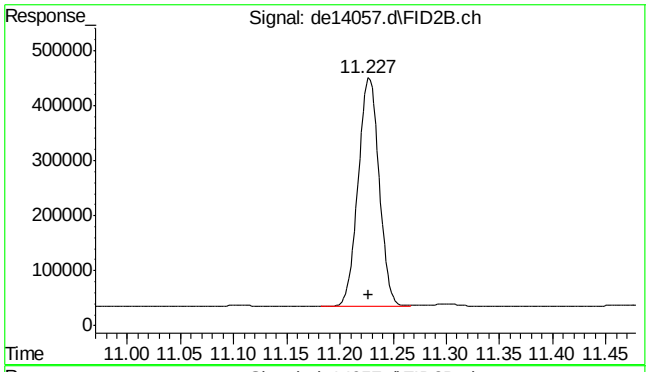
R.T.: 10.263 min
Delta R.T.: 0.002 min
Response: 1288987
Conc: 19.29 µg/ml



#34 c-20

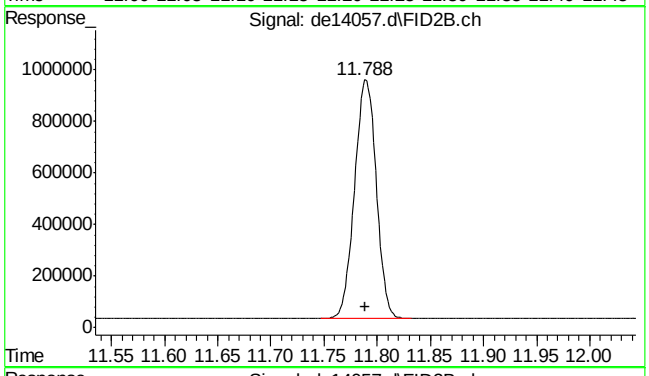
R.T.: 10.793 min
Delta R.T.: 0.000 min
Response: 1295445
Conc: 19.39 µg/ml

SGS ACCUTEST MC45754



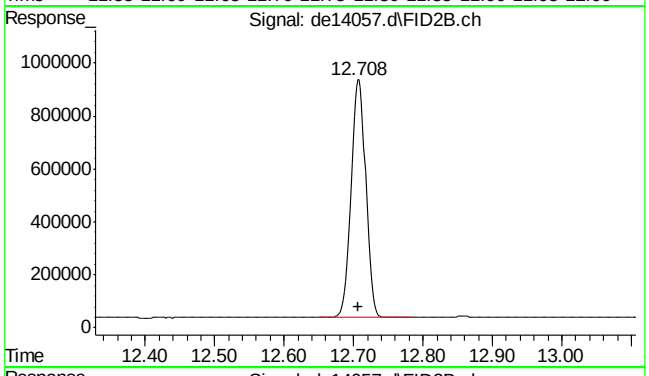
#35 1-chlorooctadecane

R.T.: 11.227 min
Delta R.T.: 0.000 min
Response: 571170
Conc: 10.10 µg/ml



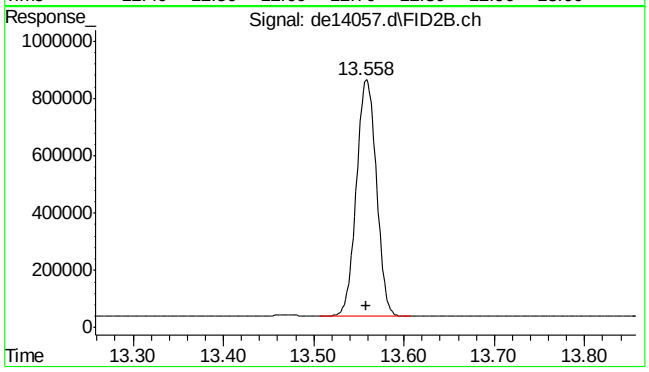
#36 c-22

R.T.: 11.788 min
Delta R.T.: 0.000 min
Response: 1314563
Conc: 19.68 µg/ml



#37 c-24

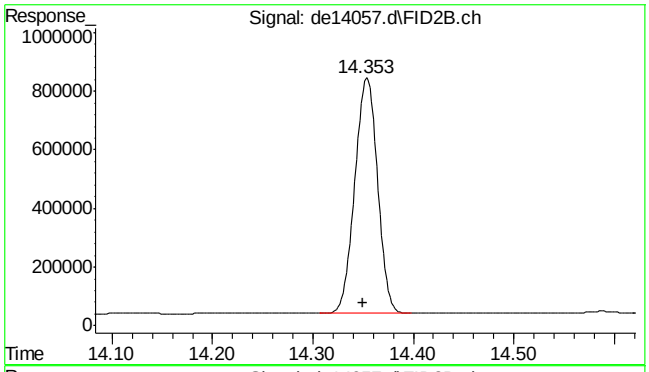
R.T.: 12.708 min
Delta R.T.: 0.002 min
Response: 1303807
Conc: 19.52 µg/ml



#38 c-26

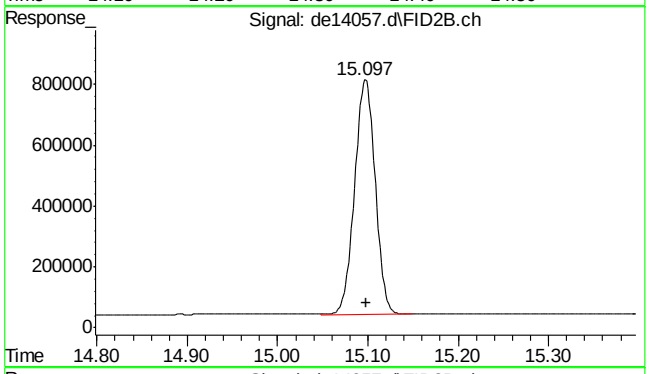
R.T.: 13.558 min
Delta R.T.: 0.000 min
Response: 1280443
Conc: 19.17 µg/ml

SGS ACCUTEST MC45754



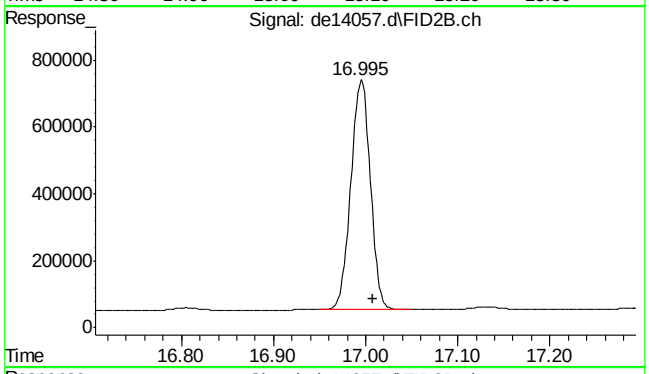
#39 c-28

R.T.: 14.353 min
Delta R.T.: 0.003 min
Response: 1261024
Conc: 18.88 µg/ml



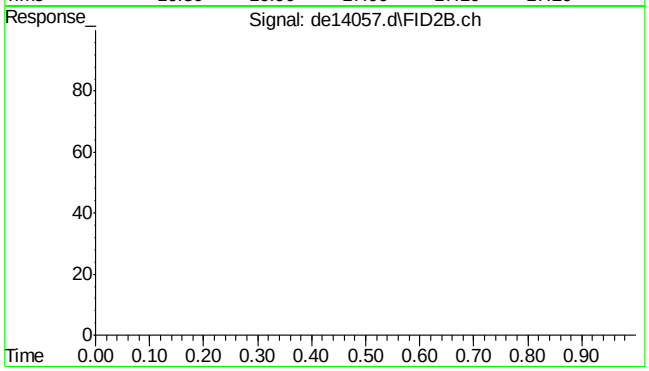
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 1238460
Conc: 18.54 µg/ml



#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 1007076
Conc: 15.07 µg/ml m



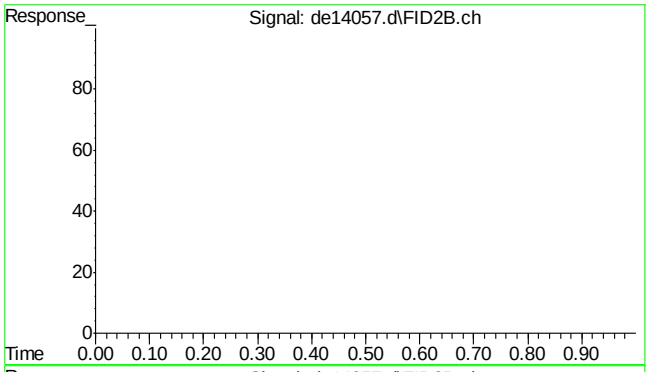
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.3.1

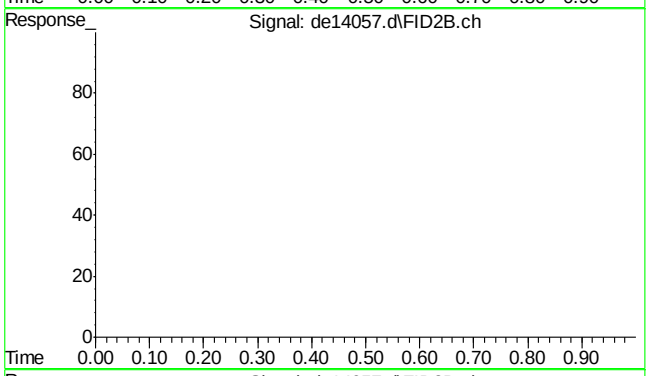
9

SGS ACCUTEST MC45754



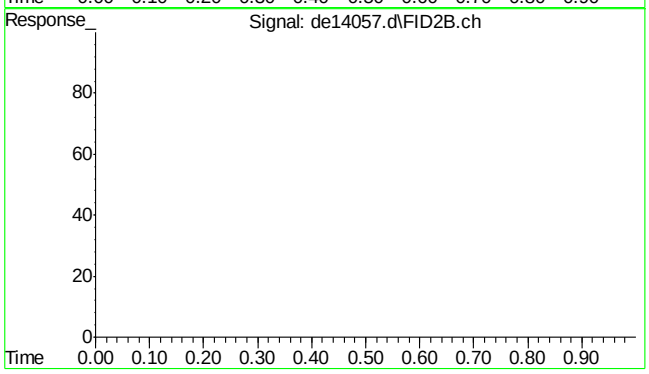
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.3.1

9

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/10/16 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14058.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 1:23 pm
Operator : thomasa
Sample : op47379-bsd
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:19:07 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.658	2114337	22.925 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 114.63%#	
6) s 2-bromonaphthalene	7.388	1316647	20.981 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 104.91%#	
11) s o-terphenyl	9.927	2118336	20.682 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 103.41%#	
35) s 1-chlorooctadecane	11.227	651700	11.519 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 57.59%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	44050130	448.555 µg/ml
2) naphthalene	5.207	1813215	17.580 µg/ml
3) 2-methylnaphthalene	6.107	1865053	18.199 µg/ml
5) acenaphthylene	7.220	1883565	18.723 µg/ml
7) acenaphthene	7.460	2102182	20.335 µg/ml
8) fluorene	8.107	2075659	20.436 µg/ml
9) phenanthrene	9.288	2208063	21.698 µg/ml
10) anthracene	9.345	2465238	25.413 µg/mlm
12) fluoranthene	10.795	2509625	25.111 µg/ml
13) pyrene	11.053	2542316	25.057 µg/ml
14) benzo(a)anthracene	12.615	2562578	26.507 µg/ml
15) chrysene	12.663	2530075	25.992 µg/ml
16) benzo(B)fluoranthene	13.915	2731509	27.590 µg/ml
17) benzo(k)fluoranthene	13.945	2284215	24.171 µg/ml
18) benzo(a)pyrene	14.252	2452368	26.531 µg/ml
19) indeno(1,2,3-cd)pyrene	15.392	2452900	25.913 µg/ml
20) dibenzo(ah)anthracene	15.435	2431345	26.601 µg/ml
21) benzo(ghi)perylene	15.615	2460748	26.711 µg/ml
25) h c-9	2.648	644634	8.726 µg/mlm
26) h c-10	3.815	775569	10.499 µg/ml
27) naphthalene #2	5.488	5005	0.063 µg/ml
28) c-12	5.663	860052	11.642 µg/ml
29) 2-methylnaphthalene #2	6.383	4955	0.062 µg/ml
30) c-14	7.182	886577	12.002 µg/ml
31) c-16	8.512	954393	12.920 µg/ml
32) c-18	9.707	1088775	14.739 µg/ml
33) c-19	10.262	1116145	16.707 µg/ml
34) c-20	10.792	1127710	16.880 µg/ml
36) c-22	11.788	1146669	17.164 µg/ml
37) c-24	12.705	1134467	16.981 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14058.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 1:23 pm
Operator : thomasa
Sample : op47379-bsd
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:19:07 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
38)	c-26	13.557	1111878	16.643 µg/ml
39)	c-28	14.350	1097542	16.429 µg/ml
40) h	c-30	15.098	1083619	16.220 µg/ml
41) h	c-36	17.008	978434	14.646 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.3.2

9

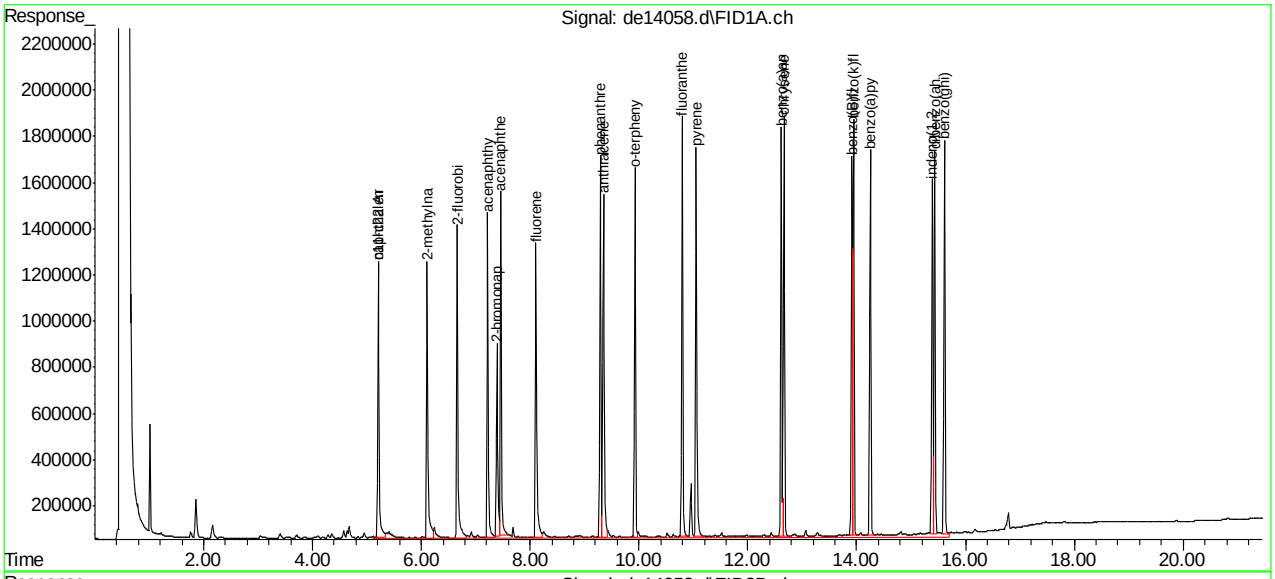
SGS ACCUTEST MC45754

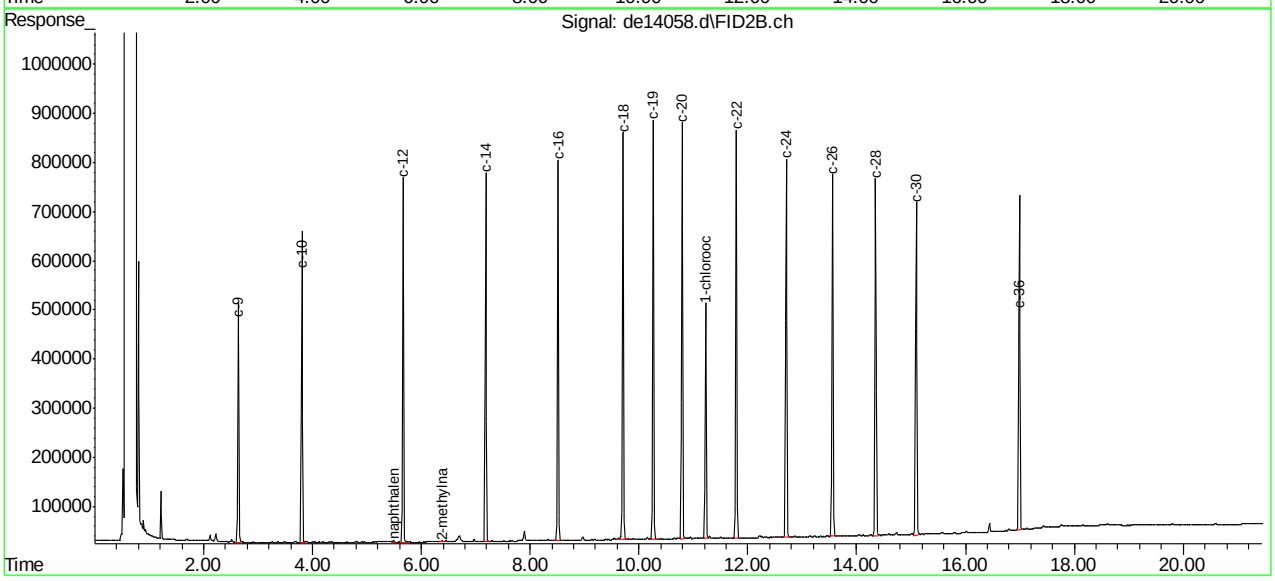
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14058.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 1:23 pm
Operator : thomasa
Sample : op47379-bsd
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

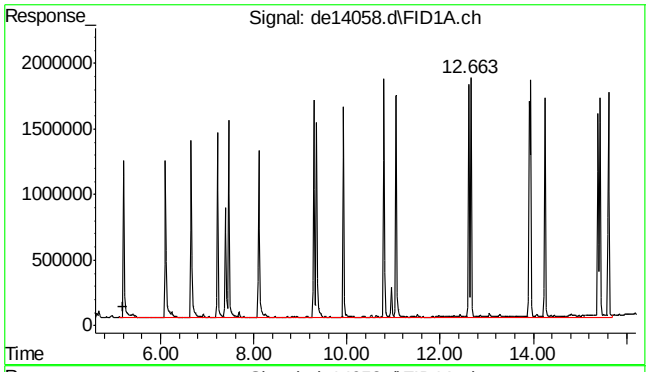
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:19:07 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



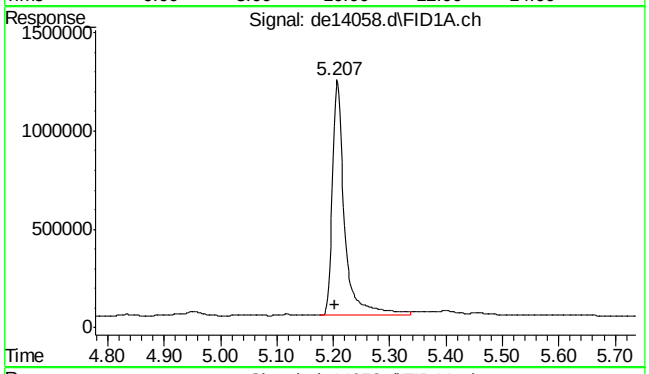


SGS ACCUTEST MC45754



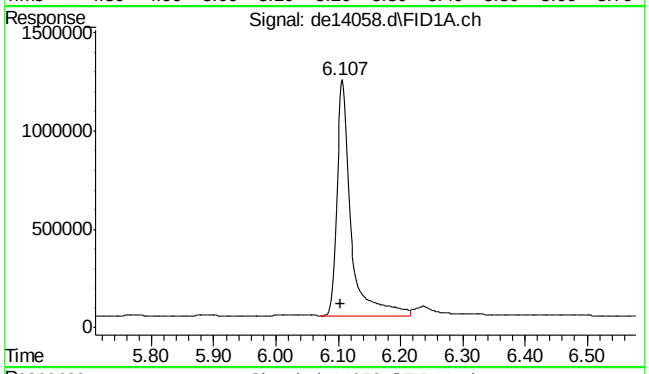
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 44050130
Conc: 448.55 µg/ml



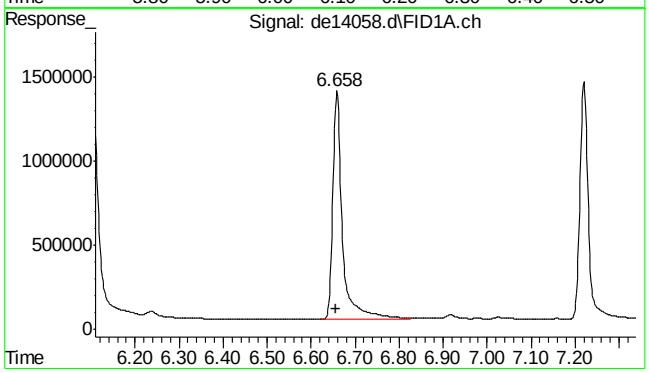
#2 naphthalene

R.T.: 5.207 min
Delta R.T.: 0.003 min
Response: 1813215
Conc: 17.58 µg/ml



#3 2-methylnaphthalene

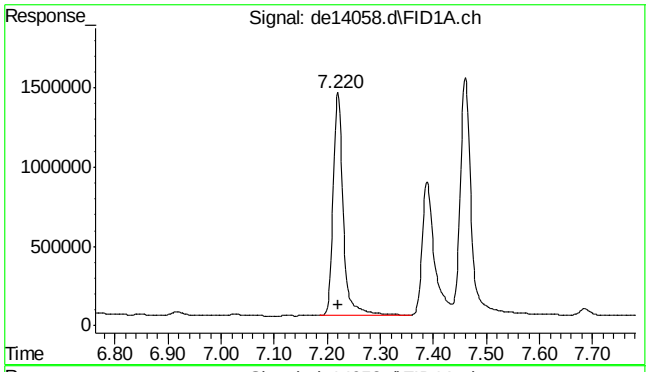
R.T.: 6.107 min
Delta R.T.: 0.003 min
Response: 1865053
Conc: 18.20 µg/ml



#4 2-fluorobiphenyl

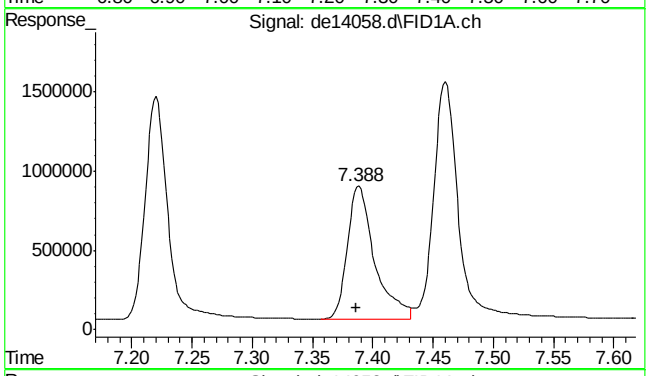
R.T.: 6.658 min
Delta R.T.: 0.002 min
Response: 2114337
Conc: 22.92 µg/ml

SGS ACCUTEST MC45754



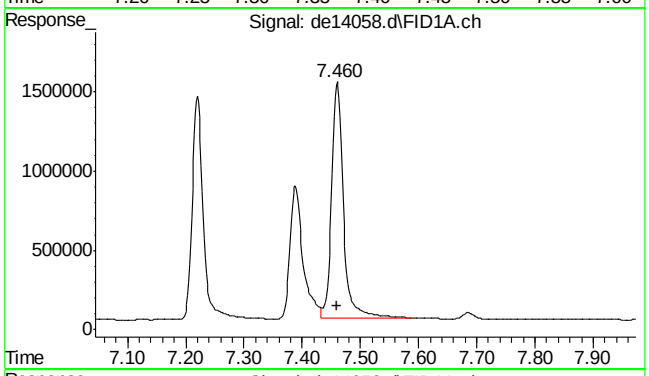
#5 acenaphthylene

R.T.: 7.220 min
Delta R.T.: 0.000 min
Response: 1883565
Conc: 18.72 µg/ml



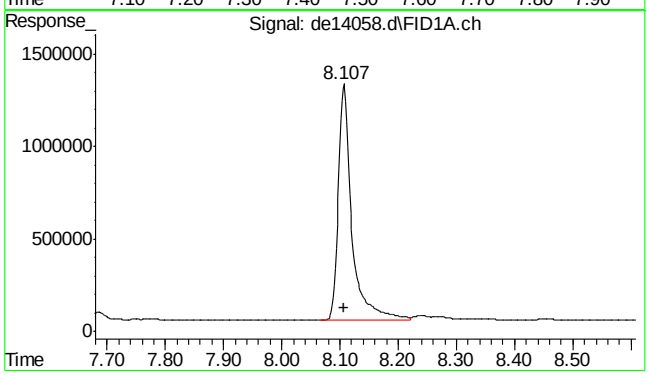
#6 2-bromonaphthalene

R.T.: 7.388 min
Delta R.T.: 0.002 min
Response: 1316647
Conc: 20.98 µg/ml



#7 acenaphthene

R.T.: 7.460 min
Delta R.T.: 0.000 min
Response: 2102182
Conc: 20.34 µg/ml



#8 fluorene

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 2075659
Conc: 20.44 µg/ml

9.3.2

9

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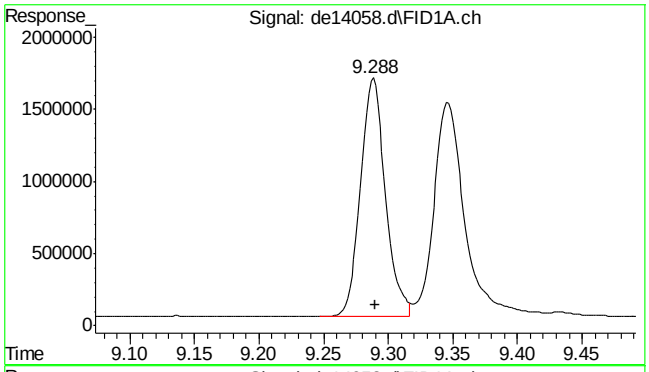
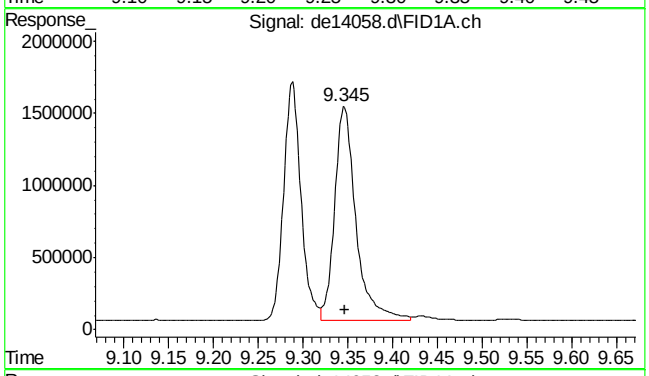


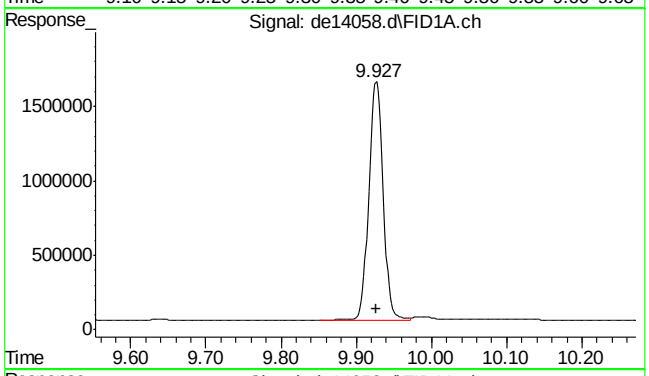
#9 phenanthrene

R.T.: 9.288 min
Delta R.T.: -0.002 min
Response: 2208063
Conc: 21.70 µg/ml



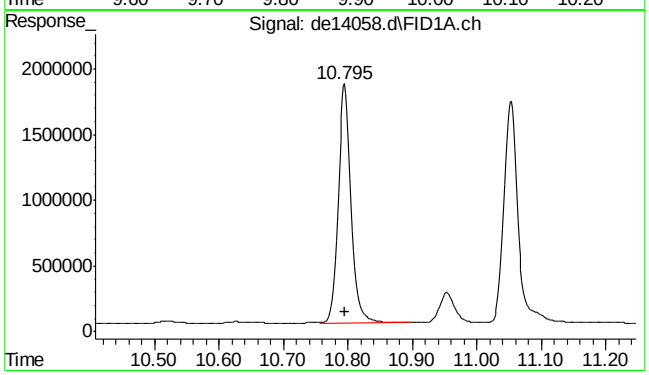
#10 anthracene

R.T.: 9.345 min
Delta R.T.: -0.002 min
Response: 2465238
Conc: 25.41 µg/ml m



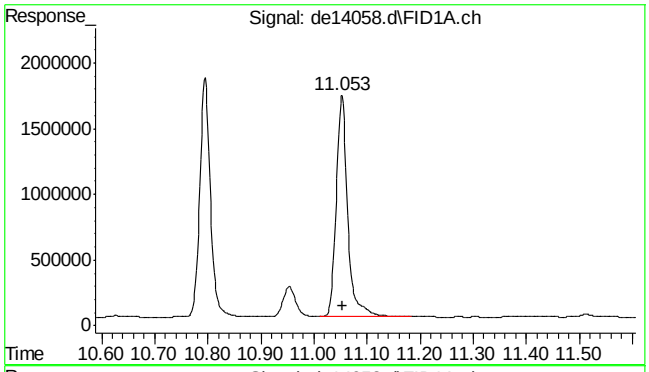
#11 o-terphenyl

R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 2118336
Conc: 20.68 µg/ml



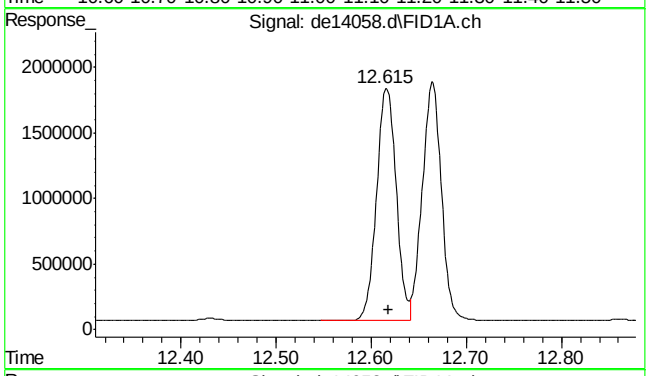
#12 fluoranthene

R.T.: 10.795 min
Delta R.T.: 0.000 min
Response: 2509625
Conc: 25.11 µg/ml



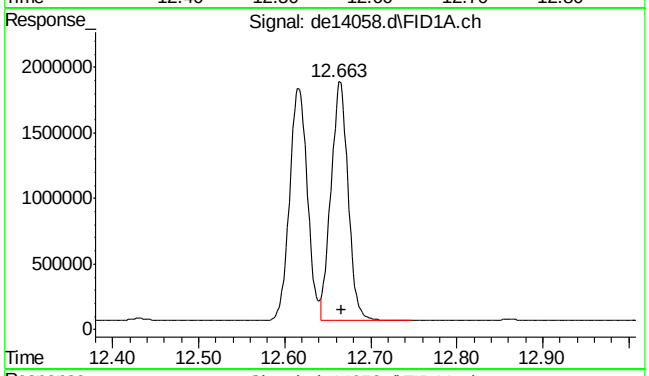
#13 pyrene

R.T.: 11.053 min
Delta R.T.: 0.000 min
Response: 2542316
Conc: 25.06 µg/ml



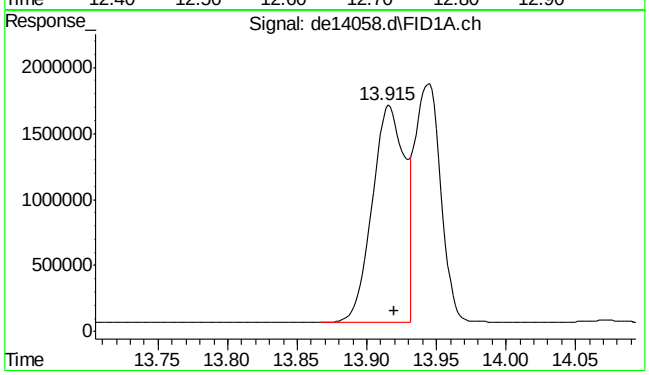
#14 benzo(a)anthracene

R.T.: 12.615 min
Delta R.T.: -0.003 min
Response: 2562578
Conc: 26.51 µg/ml



#15 chrysene

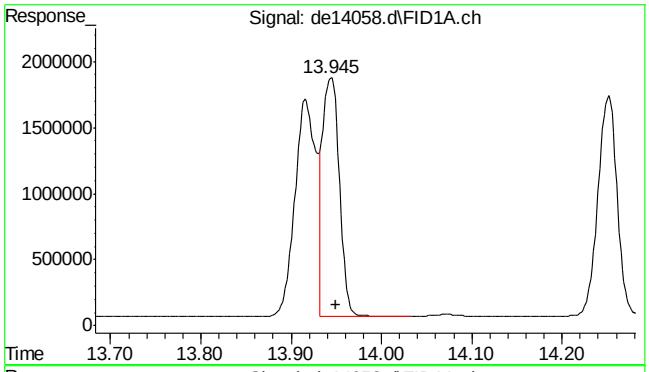
R.T.: 12.663 min
Delta R.T.: -0.003 min
Response: 2530075
Conc: 25.99 µg/ml



#16 benzo(B)fluoranthene

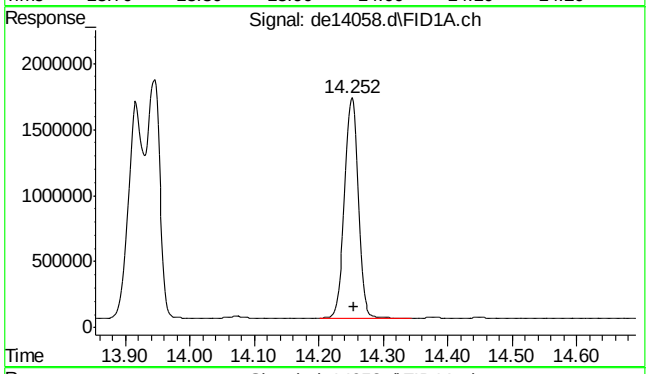
R.T.: 13.915 min
Delta R.T.: -0.005 min
Response: 2731509
Conc: 27.59 µg/ml

SGS ACCUTEST MC45754



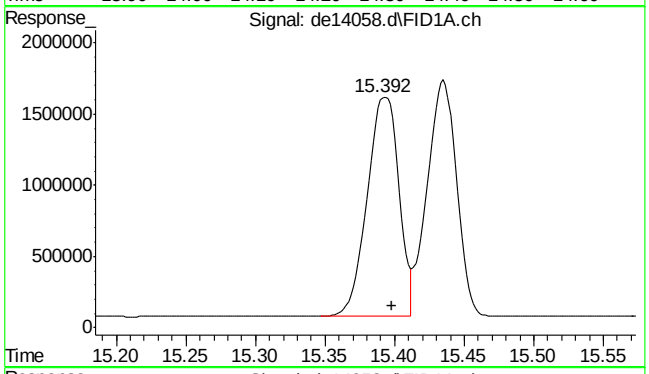
#17 benzo(k)fluoranthene

R.T.: 13.945 min
Delta R.T.: -0.005 min
Response: 2284215
Conc: 24.17 µg/ml



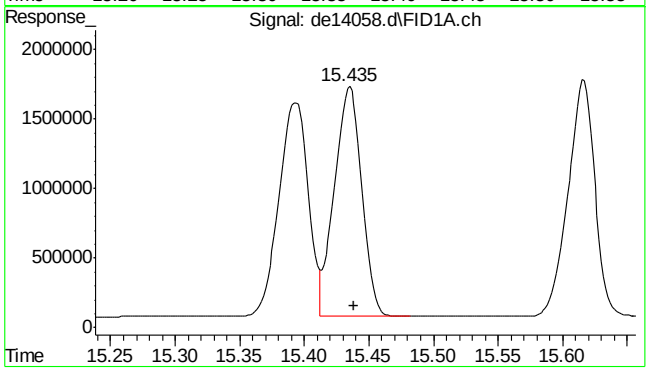
#18 benzo(a)pyrene

R.T.: 14.252 min
Delta R.T.: -0.003 min
Response: 2452368
Conc: 26.53 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.392 min
Delta R.T.: -0.007 min
Response: 2452900
Conc: 25.91 µg/ml



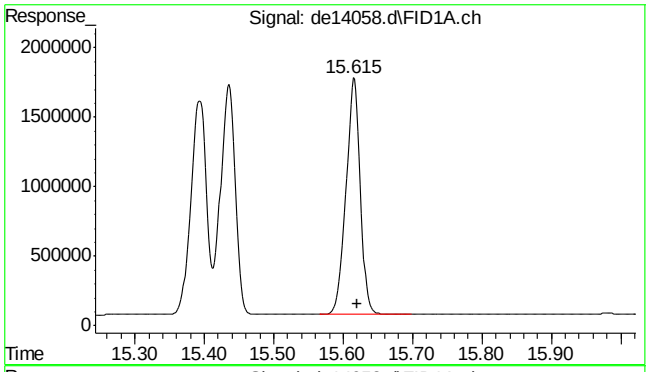
#20 dibenzo(ah)anthracene

R.T.: 15.435 min
Delta R.T.: -0.003 min
Response: 2431345
Conc: 26.60 µg/ml

9.3.2

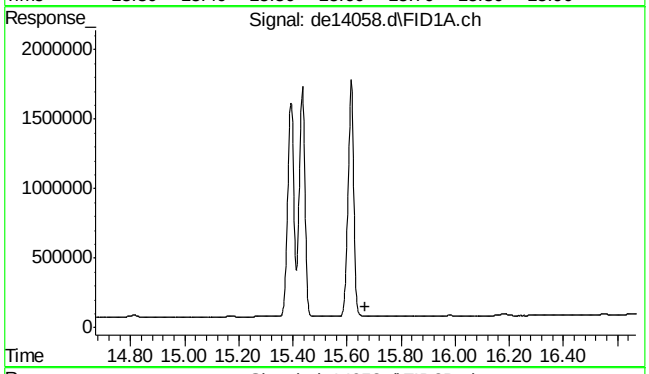
9

SGS ACCUTEST MC45754



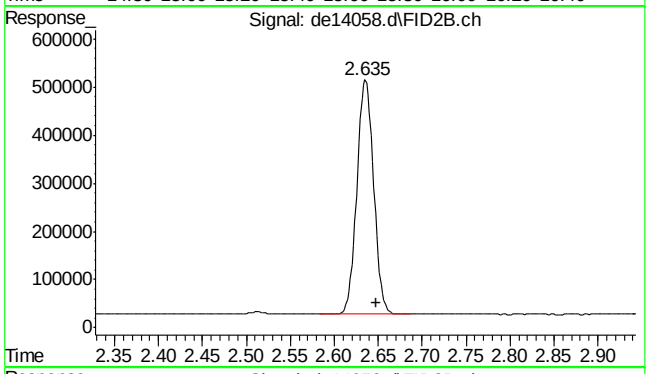
#21 benzo(ghi)perylene

R.T.: 15.615 min
Delta R.T.: -0.005 min
Response: 2460748
Conc: 26.71 µg/ml



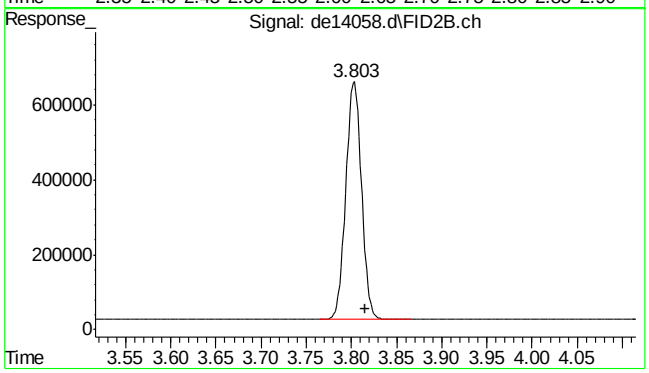
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



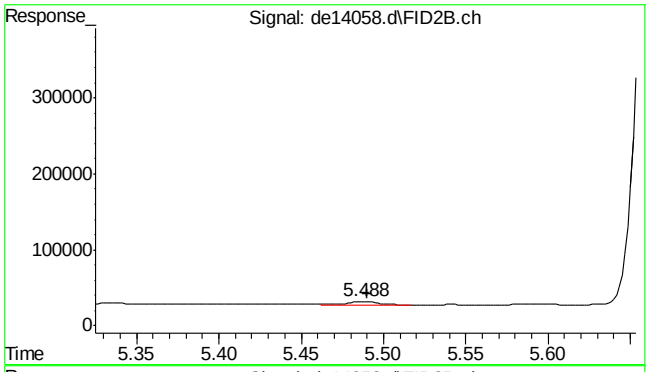
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 644634
Conc: 8.73 µg/ml m



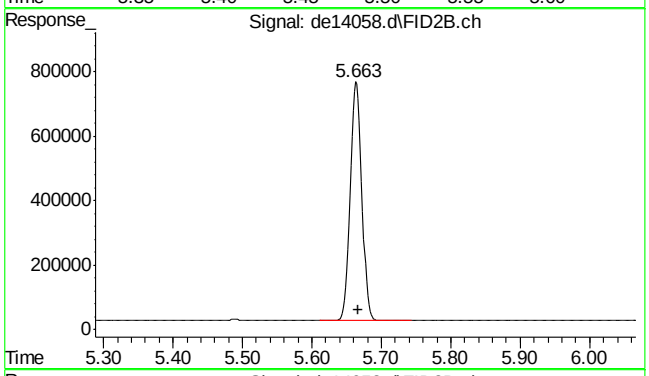
#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 775569
Conc: 10.50 µg/ml



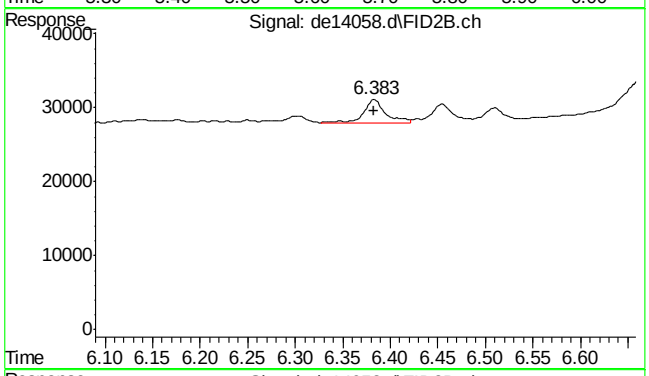
#27 naphthalene #2

R.T.: 5.488 min
Delta R.T.: -0.002 min
Response: 5005
Conc: 0.06 µg/ml



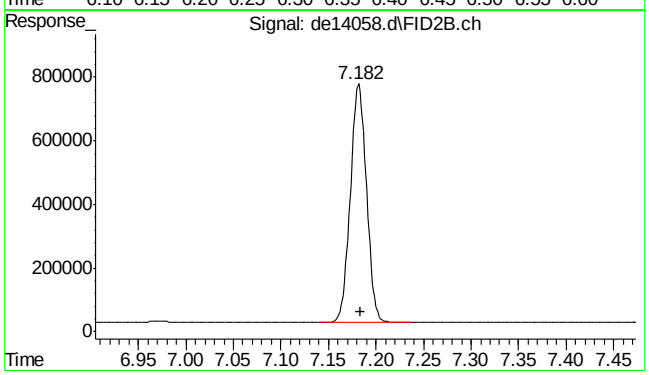
#28 c-12

R.T.: 5.663 min
Delta R.T.: -0.003 min
Response: 860052
Conc: 11.64 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 4955
Conc: 0.06 µg/ml



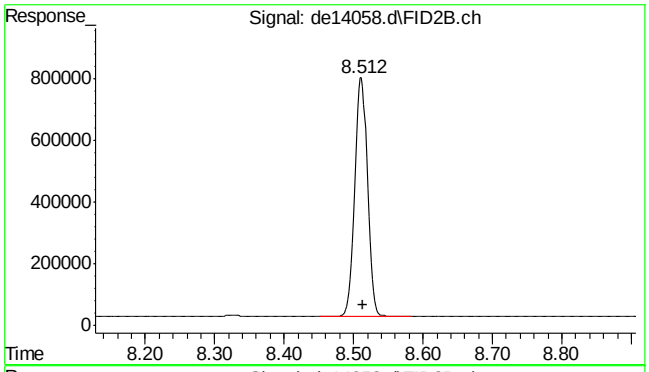
#30 c-14

R.T.: 7.182 min
Delta R.T.: -0.002 min
Response: 886577
Conc: 12.00 µg/ml

9.3.2

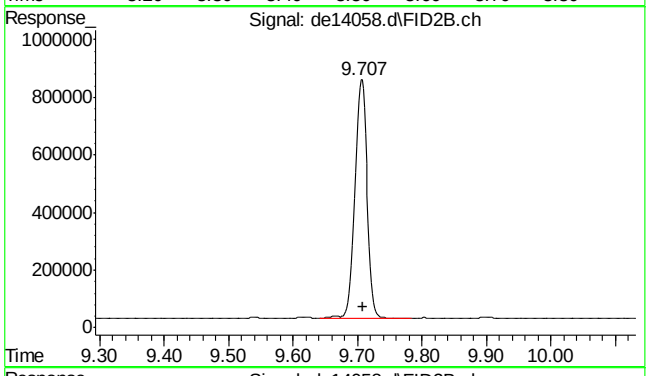
9

SGS ACCUTEST MC45754



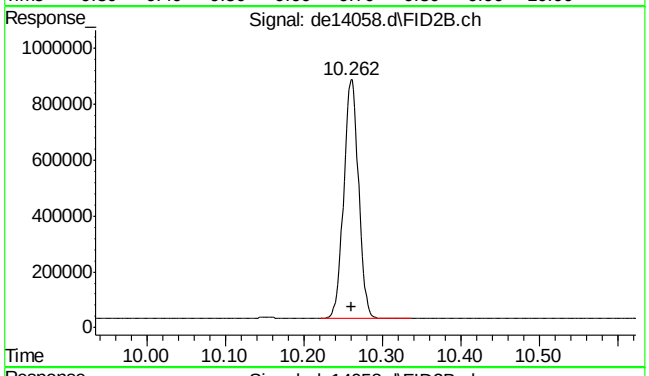
#31 c-16

R.T.: 8.512 min
Delta R.T.: -0.002 min
Response: 954393
Conc: 12.92 µg/ml



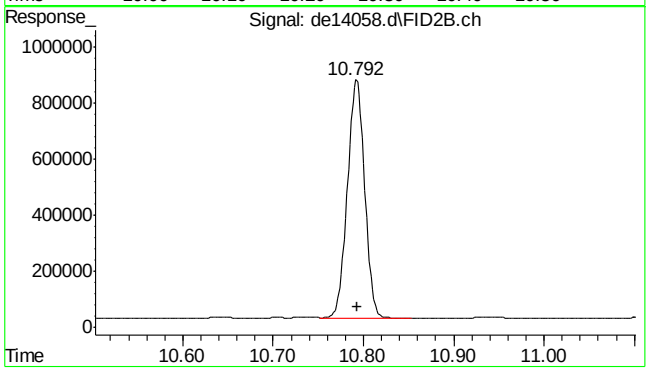
#32 c-18

R.T.: 9.707 min
Delta R.T.: -0.002 min
Response: 1088775
Conc: 14.74 µg/ml



#33 c-19

R.T.: 10.262 min
Delta R.T.: 0.000 min
Response: 1116145
Conc: 16.71 µg/ml



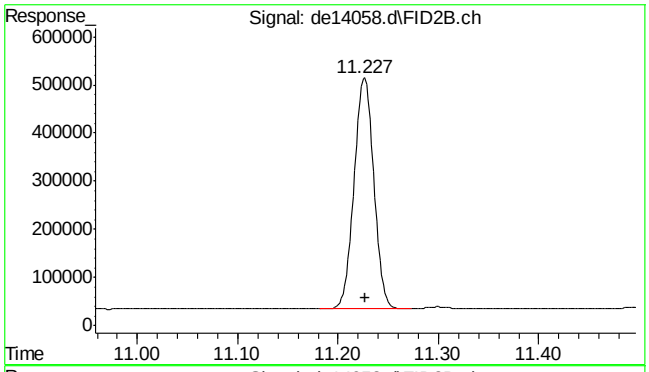
#34 c-20

R.T.: 10.792 min
Delta R.T.: -0.002 min
Response: 1127710
Conc: 16.88 µg/ml

9.3.2

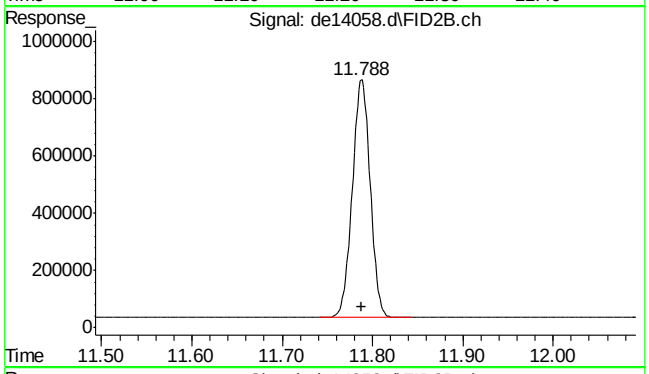
9

SGS ACCUTEST MC45754



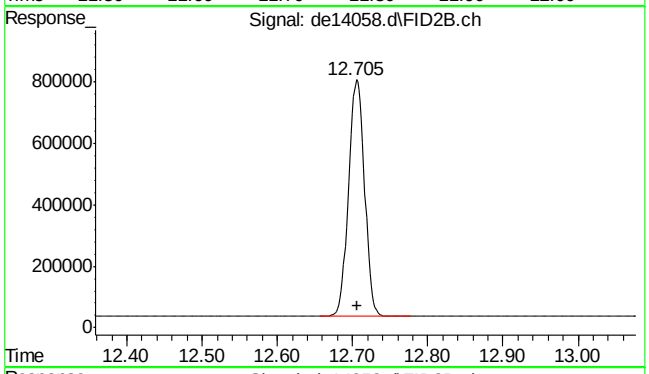
#35 1-chlorooctadecane

R.T.: 11.227 min
Delta R.T.: 0.000 min
Response: 651700
Conc: 11.52 µg/ml



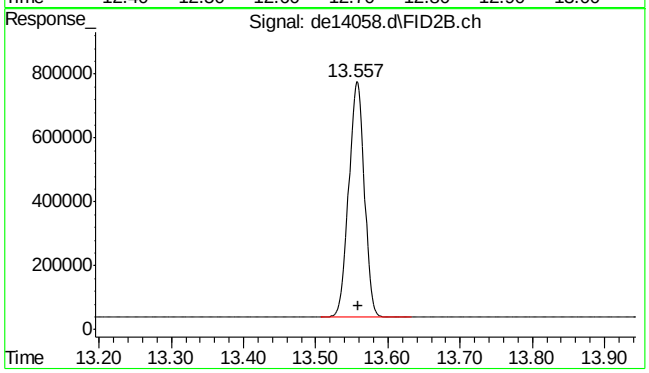
#36 c-22

R.T.: 11.788 min
Delta R.T.: 0.000 min
Response: 1146669
Conc: 17.16 µg/ml



#37 c-24

R.T.: 12.705 min
Delta R.T.: -0.002 min
Response: 1134467
Conc: 16.98 µg/ml



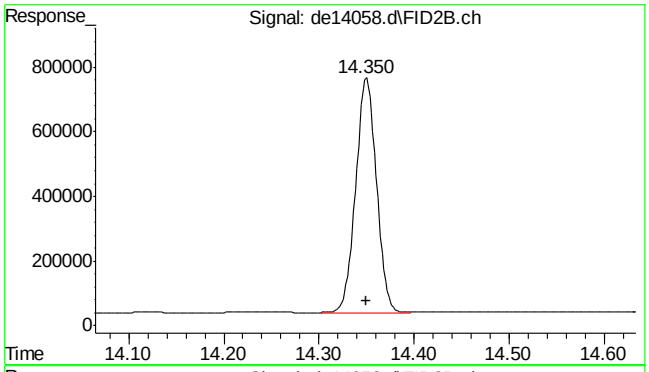
#38 c-26

R.T.: 13.557 min
Delta R.T.: -0.002 min
Response: 1111878
Conc: 16.64 µg/ml

9.3.2

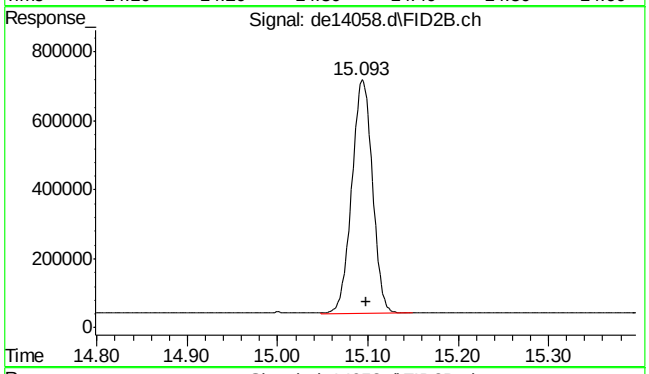
9

SGS ACCUTEST MC45754



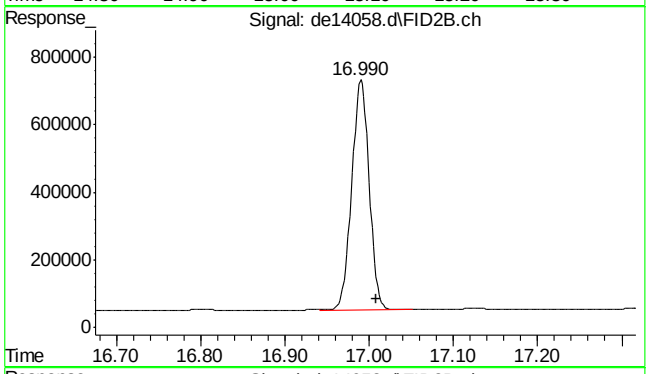
#39 c-28

R.T.: 14.350 min
Delta R.T.: 0.000 min
Response: 1097542
Conc: 16.43 µg/ml



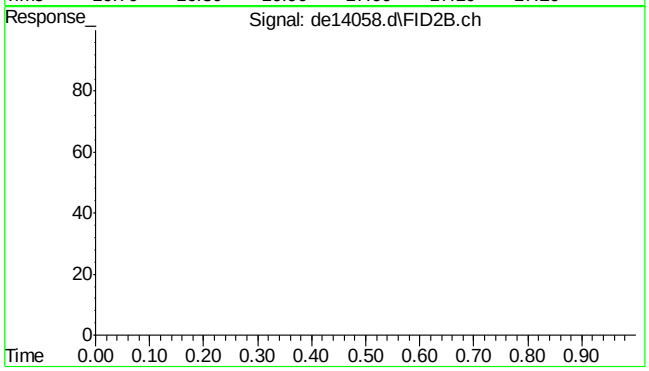
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 1083619
Conc: 16.22 µg/ml



#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 978434
Conc: 14.65 µg/ml m



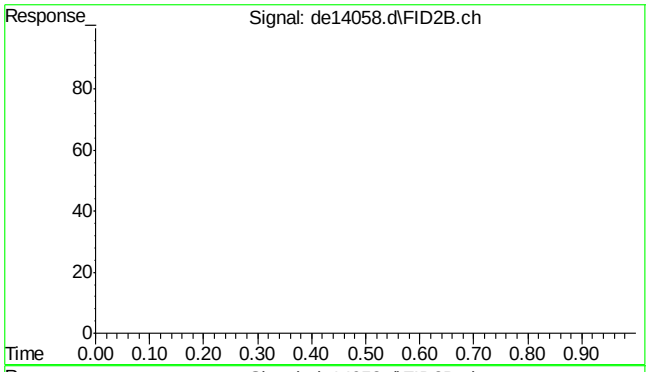
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.3.2

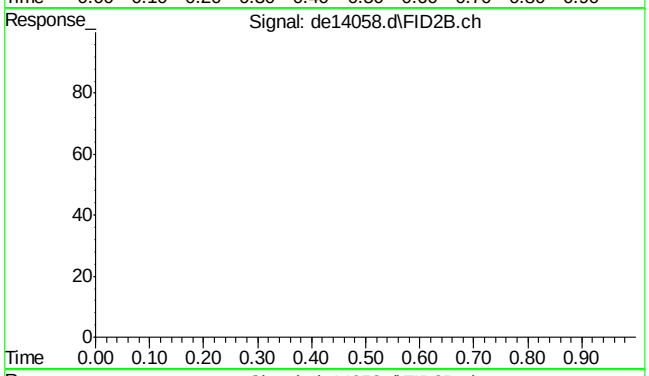
9

SGS ACCUTEST MC45754



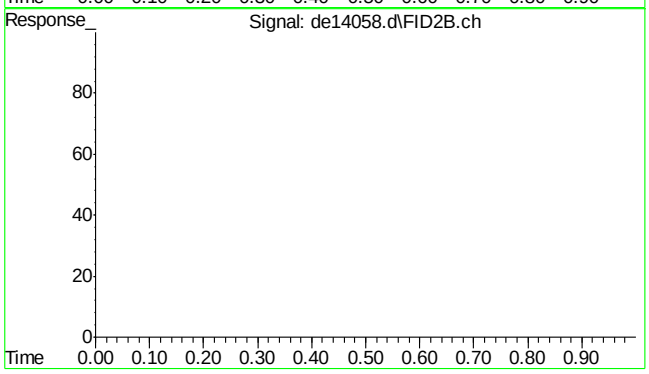
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

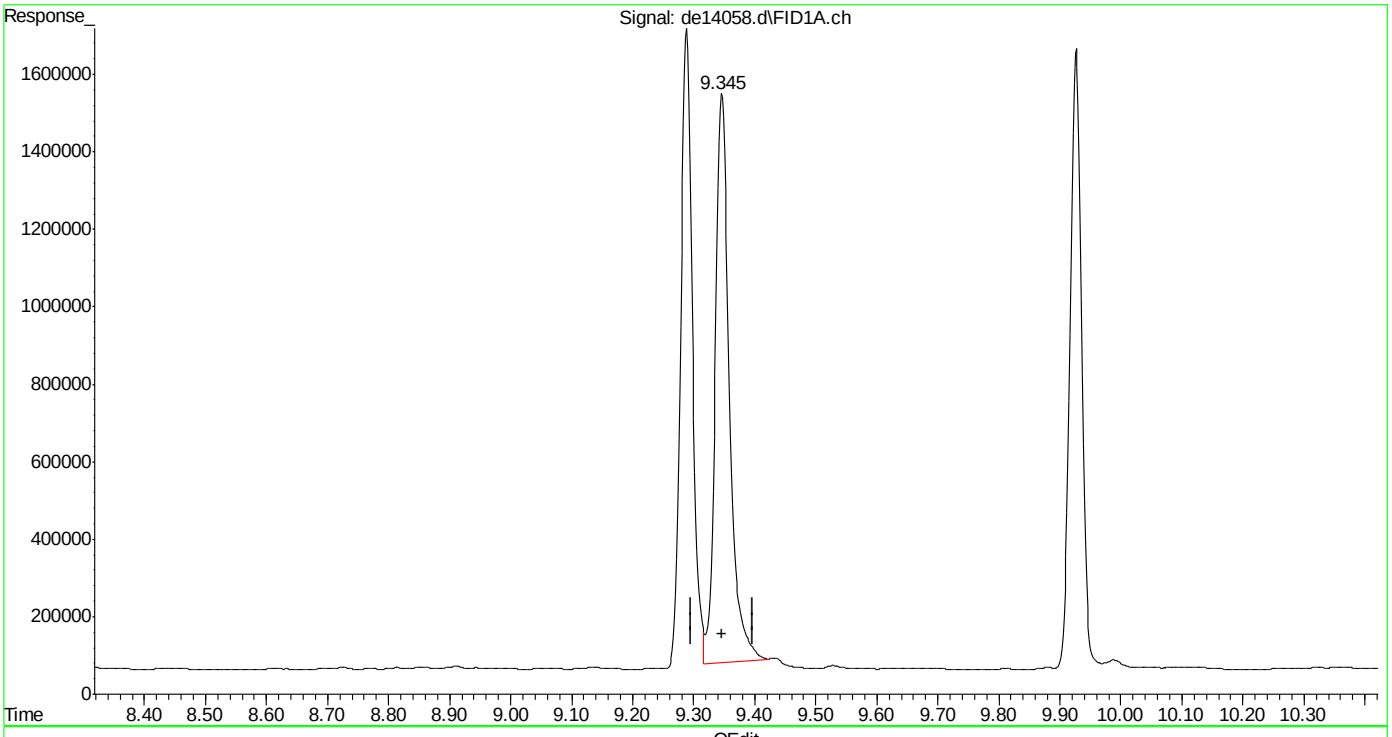
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14058.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 1:23 pm
Operator : thomasa
Sample : op47379-bsd
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:17:44 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) anthracene
9.345min 24.245 µg/ml
response 2351984

(+) = Expected Retention Time
EPH160510W.M Tue May 10 14:18:01 2016

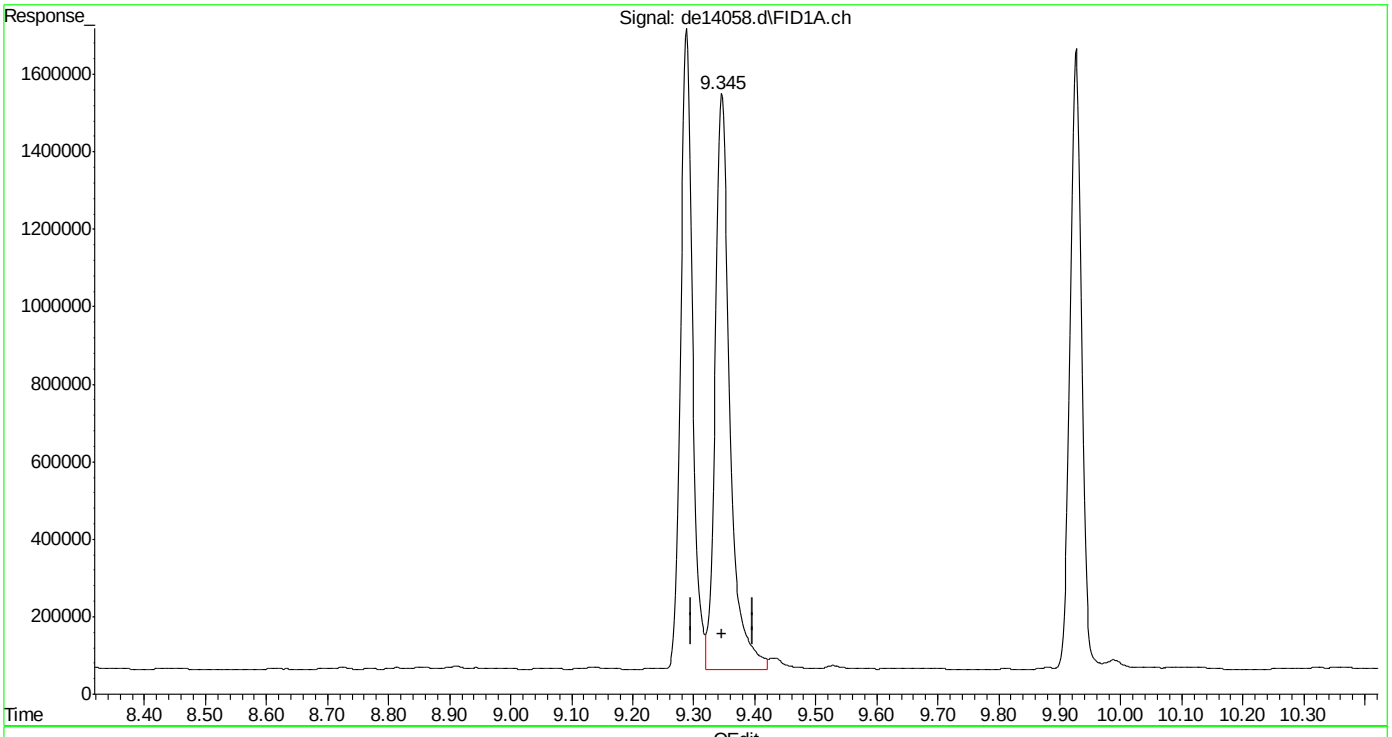
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14058.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 1:23 pm
Operator : thomasa
Sample : op47379-bsd
Misc : op47379,gde788,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 14:17:44 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) anthracene
9.345min 25.413 µg/ml m
response 2465238

(+) = Expected Retention Time
EPH160510W.M Tue May 10 14:18:07 2016

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.800	93024	0.934 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 4.67%#		
6) s 2-bromonaphthalene	7.530	61936	0.915 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 4.58%#		
11) s o-terphenyl	10.077	103028	0.955 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 4.78%#		
35) s 1-chlorooctadecane	11.247	61176	1.132 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 5.66%#		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	2460719	2.656 µg/mlm
2) naphthalene	5.353	100885	0.898 µg/ml
3) 2-methylnaphthalene	6.250	102950	0.929 µg/ml
5) acenaphthylene	7.365	99947	0.913 µg/ml
7) acenaphthene	7.607	101818	0.916 µg/ml
8) fluorene	8.250	100695	0.925 µg/ml
9) phenanthrene	9.435	101800	0.942 µg/ml
10) anthracene	9.490	96242	0.961 µg/ml
12) fluoranthene	10.940	103521	0.991 µg/ml
13) pyrene	11.198	105548	1.007 µg/ml
14) benzo(a)anthracene	12.758	100487	1.022 µg/mlm
15) chrysene	12.805	100279	1.010 µg/mlm
16) benzo(B)fluoranthene	14.053	100827	0.988 µg/mlm
17) benzo(k)fluoranthene	14.078	95833	0.978 µg/mlm
18) benzo(a)pyrene	14.388	94743	0.968 µg/ml
19) indeno(1,2,3-cd)pyrene	15.522	94483	0.967 µg/ml
20) dibenzo(ah)anthracene	15.568	92785	0.988 µg/ml
21) benzo(ghi)perylene	15.740f	93453	0.991 µg/ml
25) h c-9	2.680	76082	1.052 µg/mlm
26) h c-10	3.833	77300	1.065 µg/mlm
27) naphthalene #2	5.510	81982	1.068 µg/ml
28) c-12	5.685	76748	1.061 µg/ml
29) 2-methylnaphthalene #2	6.403	85696	1.079 µg/ml
30) c-14	7.202	77909	1.081 µg/ml
31) c-16	8.530	78733	1.103 µg/ml
32) c-18	9.725	77956	1.097 µg/ml
33) c-19	10.282	78108	1.157 µg/ml
34) c-20	10.812	75638	1.131 µg/ml
36) c-22	11.807	73192	1.099 µg/ml
37) c-24	12.725	69851	1.086 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
38)		c-26	13.578	72850	1.099 µg/ml
39)		c-28	14.370	69399	1.064 µg/ml
40)	h	c-30	15.122	74594	1.144 µg/mlm
41)	h	c-36	17.010	60516	0.967 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

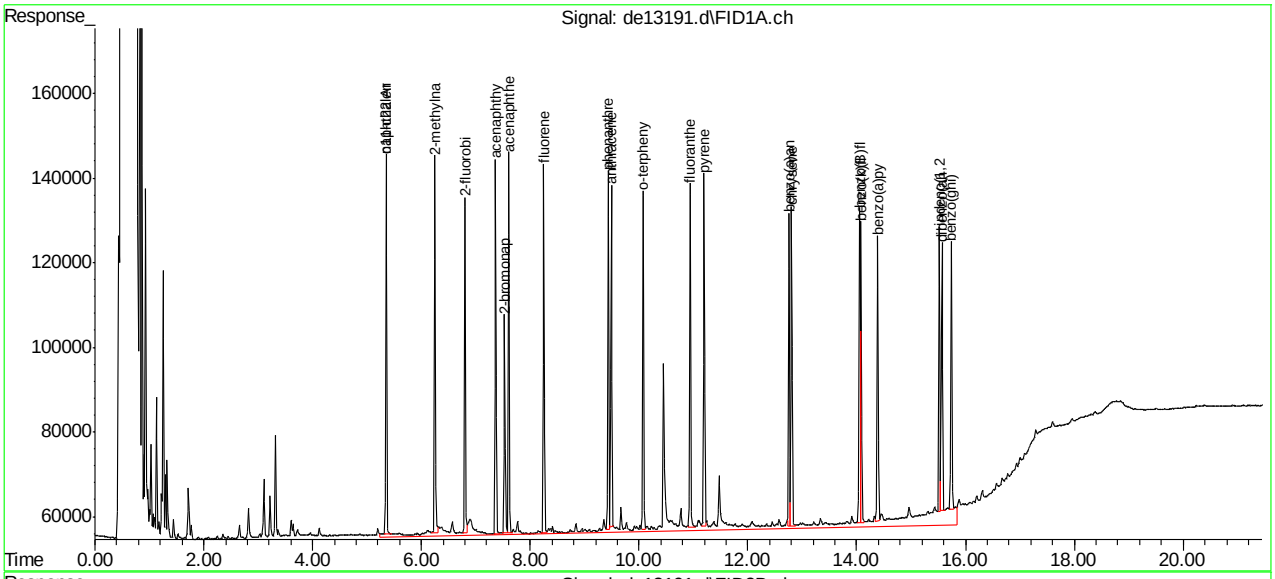
SGS ACCUTEST MC45754

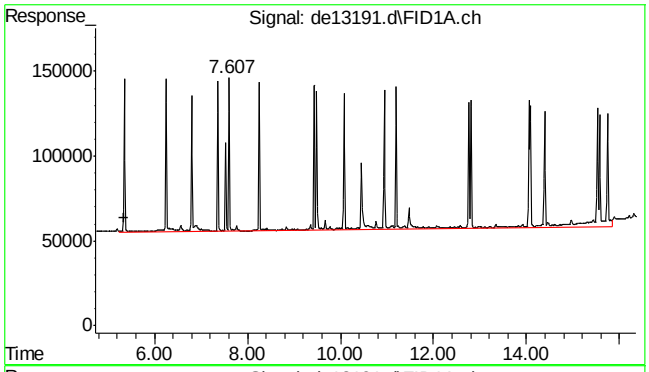
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

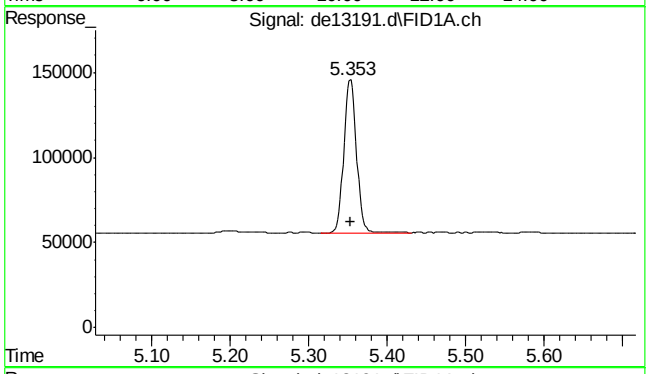
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





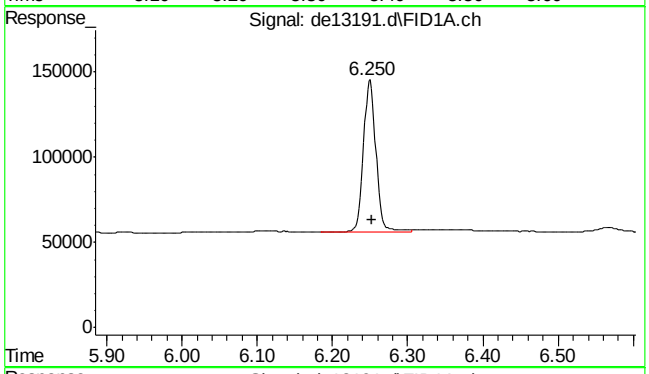
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 2460719
Conc: 2.66 µg/ml m



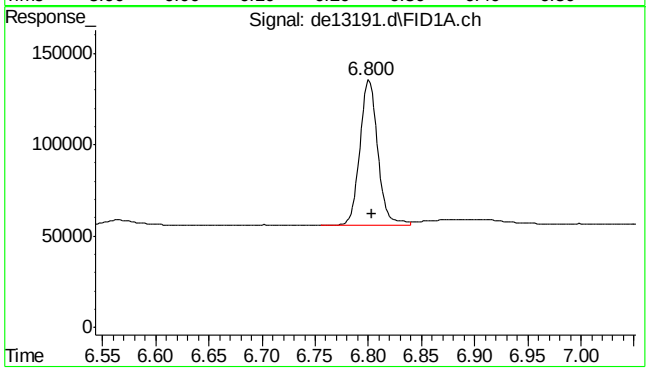
#2 naphthalene

R.T.: 5.353 min
Delta R.T.: 0.000 min
Response: 100885
Conc: 0.90 µg/ml



#3 2-methylnaphthalene

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 102950
Conc: 0.93 µg/ml



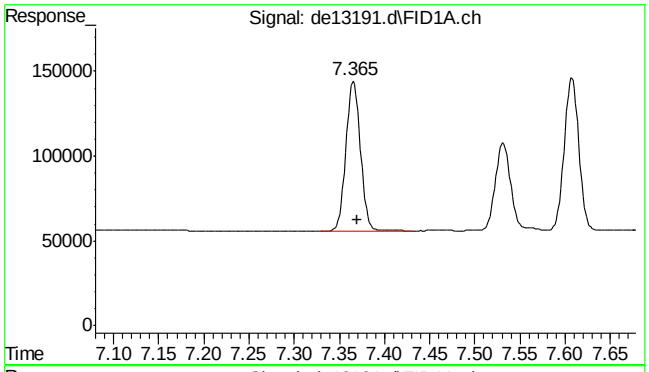
#4 2-fluorobiphenyl

R.T.: 6.800 min
Delta R.T.: -0.003 min
Response: 93024
Conc: 0.93 µg/ml

9.4.1

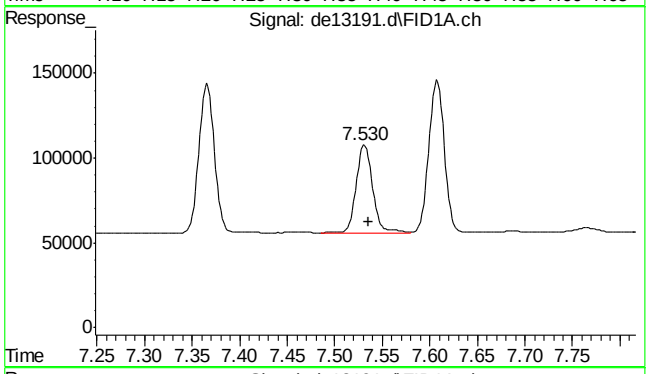
9

SGS ACCUTEST MC45754



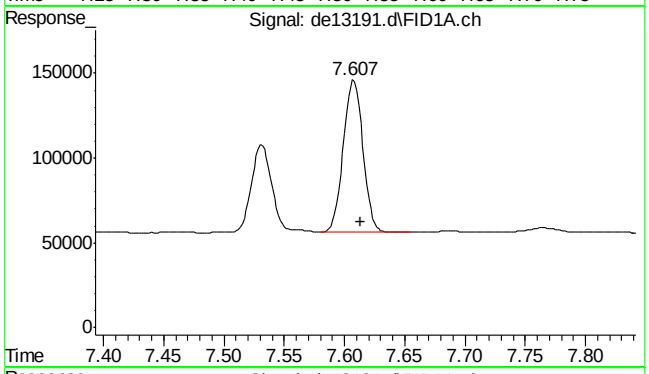
#5 acenaphthylene

R.T.: 7.365 min
Delta R.T.: -0.005 min
Response: 99947
Conc: 0.91 µg/ml



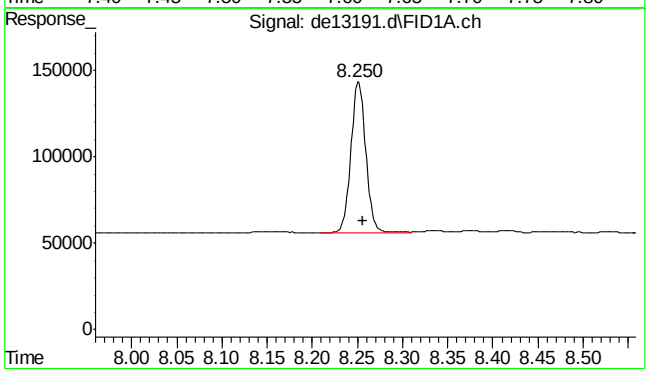
#6 2-bromonaphthalene

R.T.: 7.530 min
Delta R.T.: -0.005 min
Response: 61936
Conc: 0.91 µg/ml



#7 acenaphthene

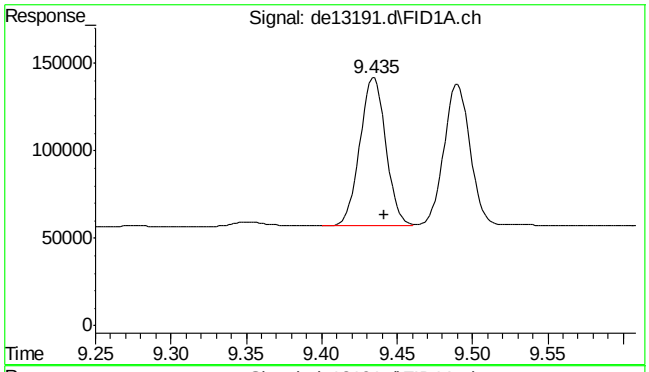
R.T.: 7.607 min
Delta R.T.: -0.007 min
Response: 101818
Conc: 0.92 µg/ml



#8 fluorene

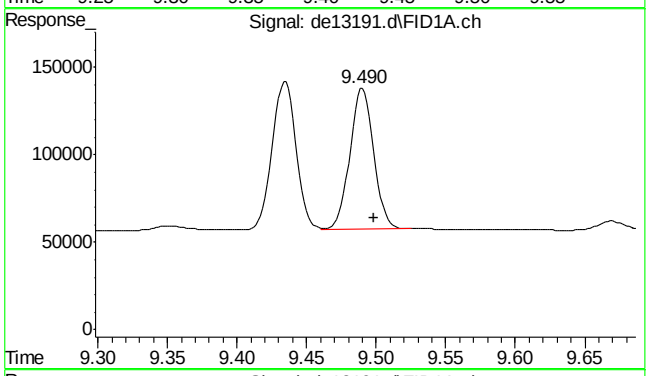
R.T.: 8.250 min
Delta R.T.: -0.007 min
Response: 100695
Conc: 0.92 µg/ml

SGS ACCUTEST MC45754



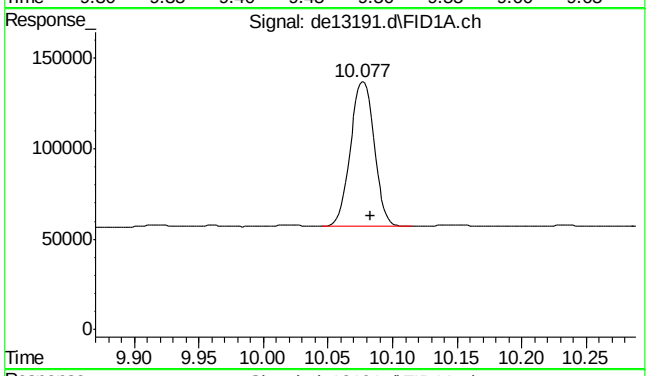
#9 phenanthrene

R.T.: 9.435 min
Delta R.T.: -0.007 min
Response: 101800
Conc: 0.94 µg/ml



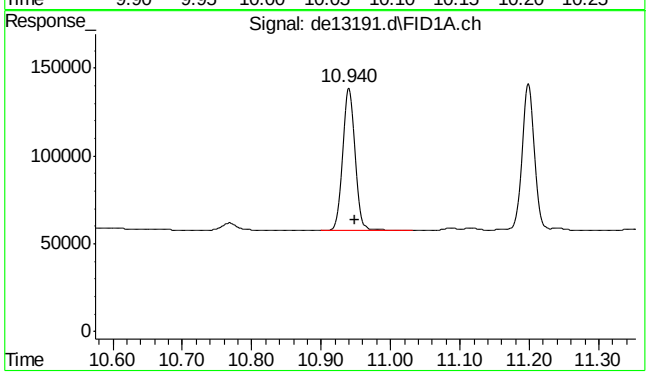
#10 anthracene

R.T.: 9.490 min
Delta R.T.: -0.008 min
Response: 96242
Conc: 0.96 µg/ml



#11 o-terphenyl

R.T.: 10.077 min
Delta R.T.: -0.007 min
Response: 103028
Conc: 0.95 µg/ml



#12 fluoranthene

R.T.: 10.940 min
Delta R.T.: -0.008 min
Response: 103521
Conc: 0.99 µg/ml

9.4.1

9

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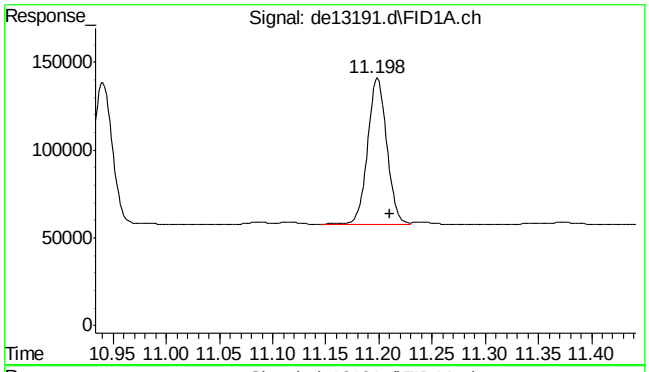
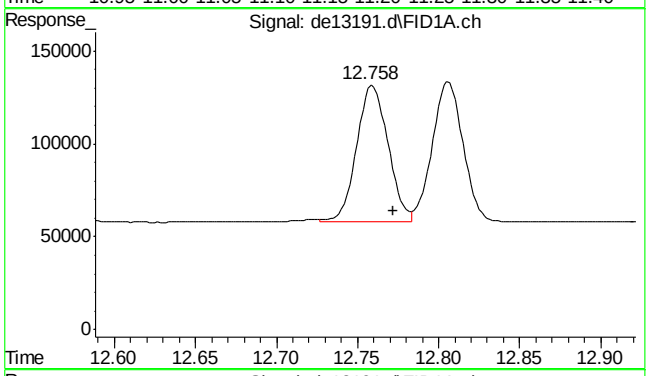


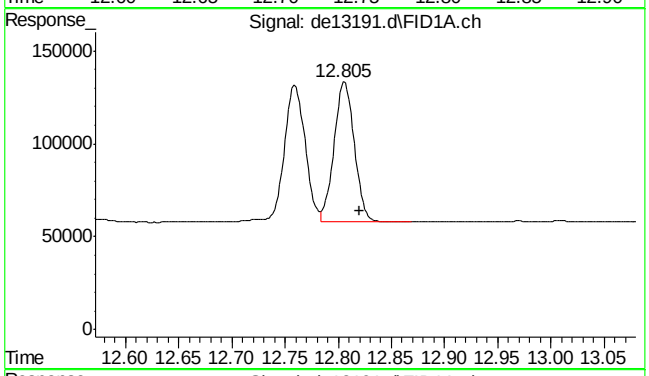
#13 pyrene

R.T.: 11.198 min
Delta R.T.: -0.012 min
Response: 105548
Conc: 1.01 µg/ml



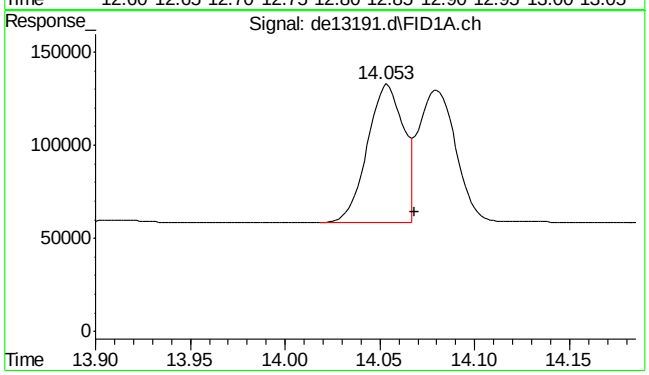
#14 benzo(a)anthracene

R.T.: 12.758 min
Delta R.T.: -0.013 min
Response: 100487
Conc: 1.02 µg/ml m



#15 chrysene

R.T.: 12.805 min
Delta R.T.: -0.015 min
Response: 100279
Conc: 1.01 µg/ml m



#16 benzo(B)fluoranthene

R.T.: 14.053 min
Delta R.T.: -0.015 min
Response: 100827
Conc: 0.99 µg/ml m

9.4.1

9

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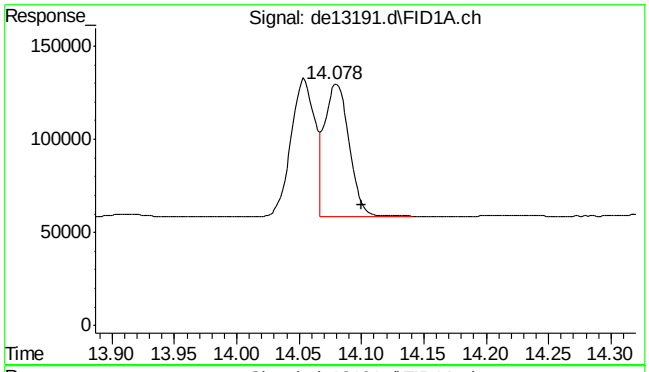
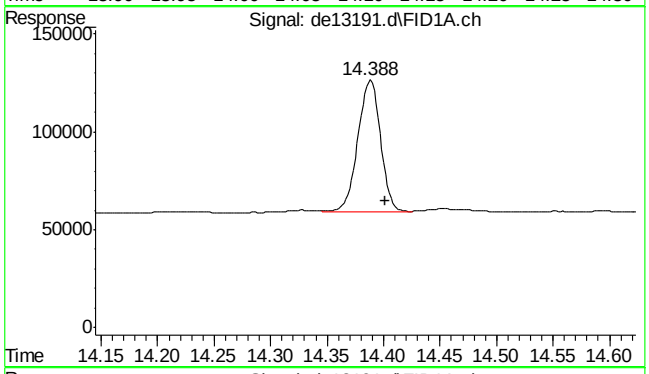


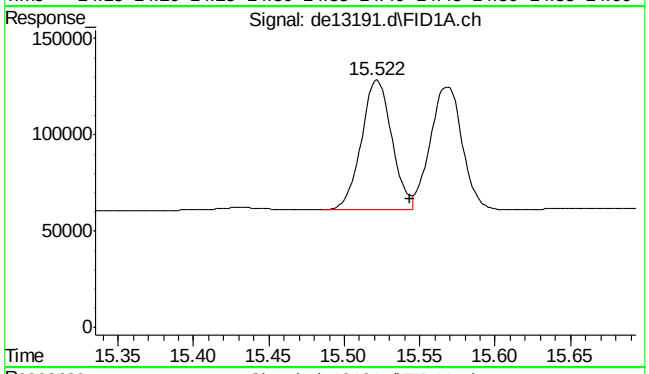
#17 benzo(k)fluoranthene

R.T.: 14.078 min
Delta R.T.: -0.022 min
Response: 95833
Conc: 0.98 µg/ml m



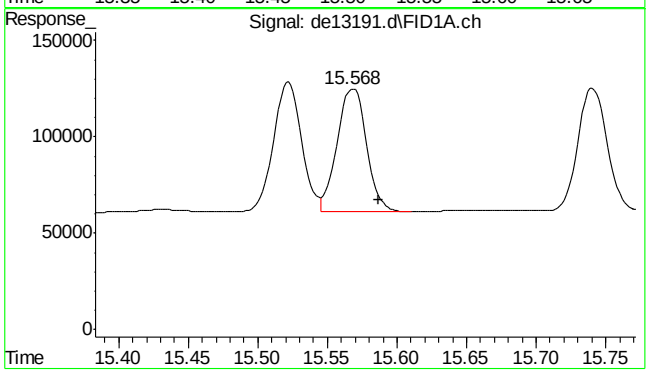
#18 benzo(a)pyrene

R.T.: 14.388 min
Delta R.T.: -0.013 min
Response: 94743
Conc: 0.97 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.522 min
Delta R.T.: -0.022 min
Response: 94483
Conc: 0.97 µg/ml



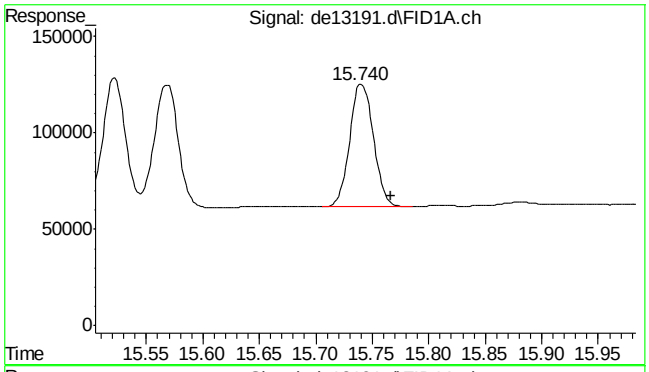
#20 dibenzo(ah)anthracene

R.T.: 15.568 min
Delta R.T.: -0.018 min
Response: 92785
Conc: 0.99 µg/ml

9.4.1

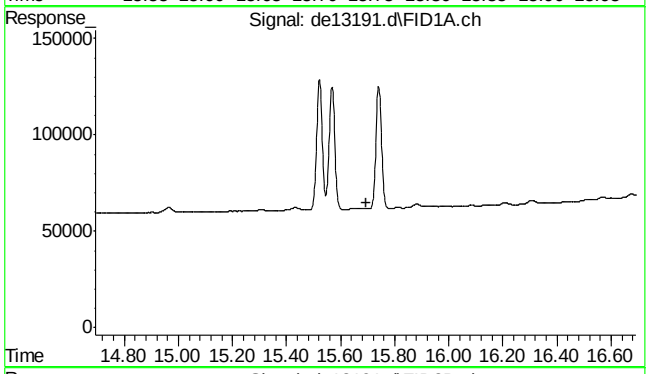
9

SGS ACCUTEST MC45754



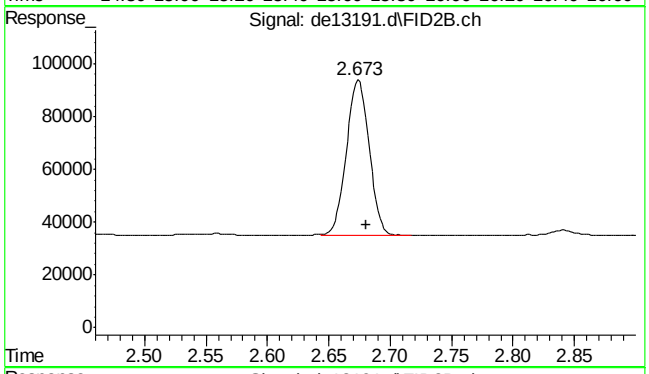
#21 benzo(ghi)perylene

R.T.: 15.740 min
Delta R.T.: -0.027 min
Response: 93453
Conc: 0.99 µg/ml



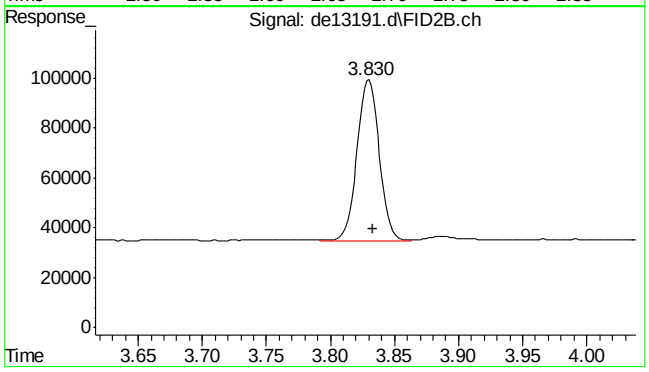
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

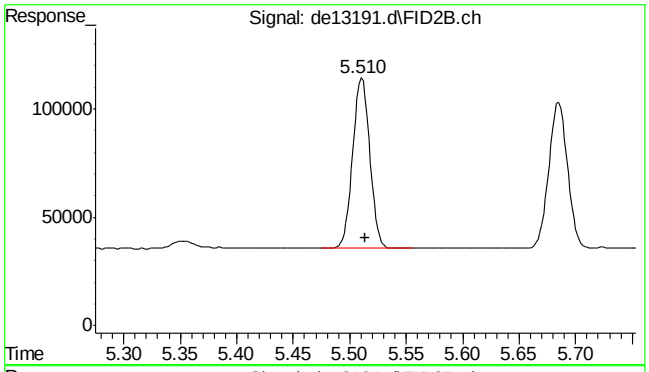
R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 76082
Conc: 1.05 µg/ml m



#26 c-10

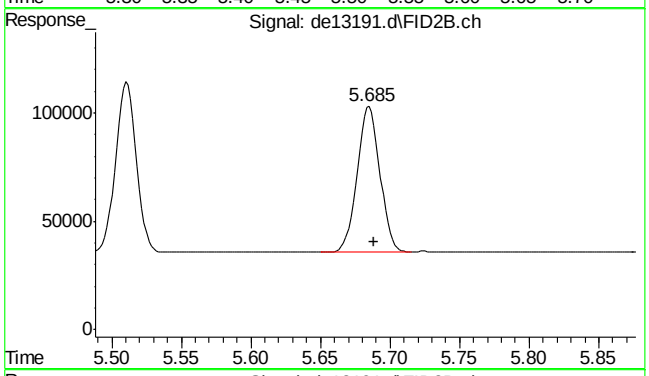
R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 77300
Conc: 1.06 µg/ml m

SGS ACCUTEST MC45754



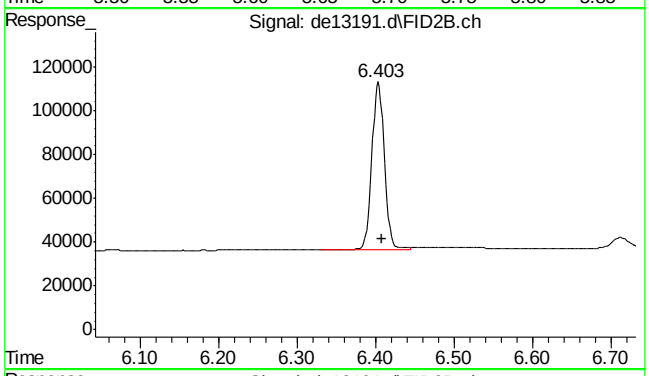
#27 naphthalene #2

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 81982
Conc: 1.07 µg/ml



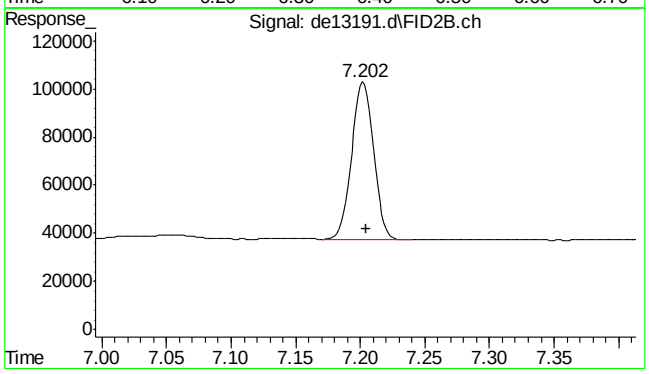
#28 c-12

R.T.: 5.685 min
Delta R.T.: -0.003 min
Response: 76748
Conc: 1.06 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.403 min
Delta R.T.: -0.005 min
Response: 85696
Conc: 1.08 µg/ml



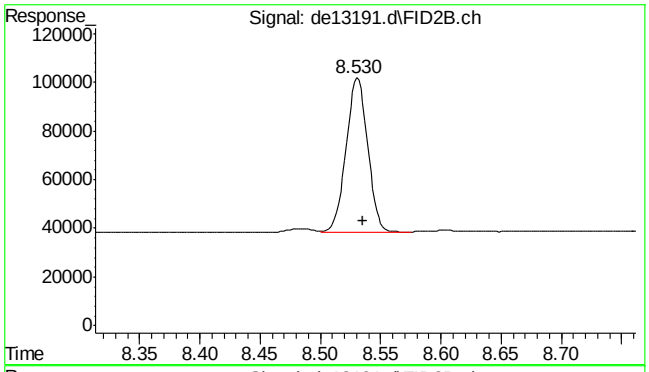
#30 c-14

R.T.: 7.202 min
Delta R.T.: -0.003 min
Response: 77909
Conc: 1.08 µg/ml

9.4.1

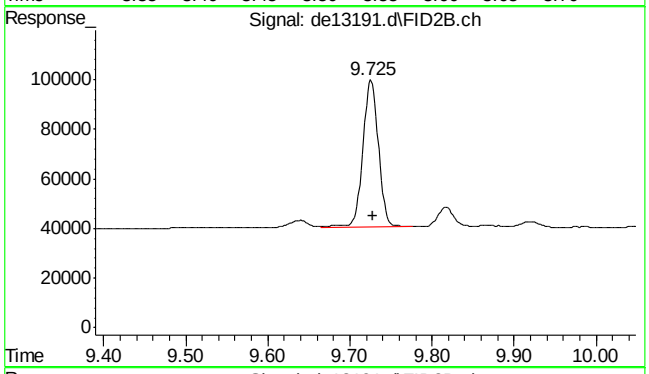
9

SGS ACCUTEST MC45754



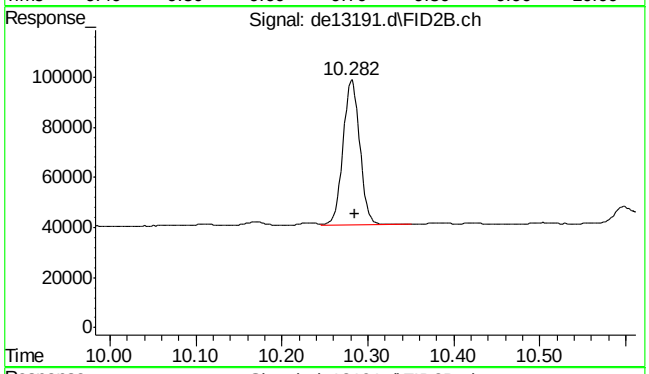
#31 c-16

R.T.: 8.530 min
Delta R.T.: -0.005 min
Response: 78733
Conc: 1.10 µg/ml



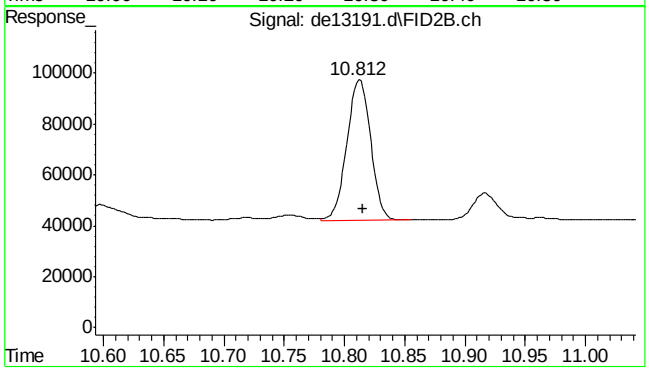
#32 c-18

R.T.: 9.725 min
Delta R.T.: -0.003 min
Response: 77956
Conc: 1.10 µg/ml



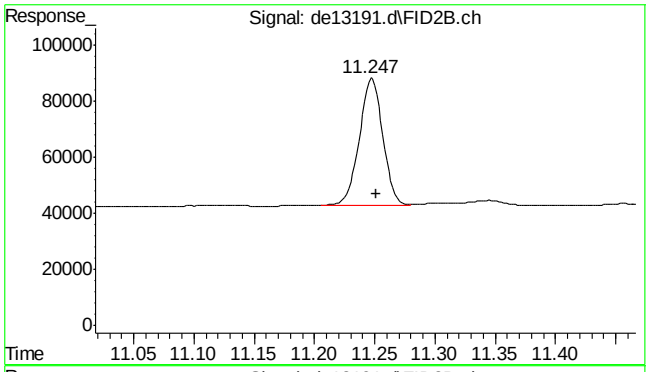
#33 c-19

R.T.: 10.282 min
Delta R.T.: -0.003 min
Response: 78108
Conc: 1.16 µg/ml



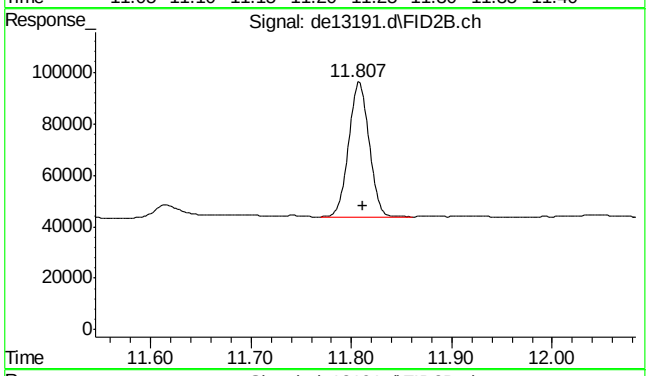
#34 c-20

R.T.: 10.812 min
Delta R.T.: -0.003 min
Response: 75638
Conc: 1.13 µg/ml



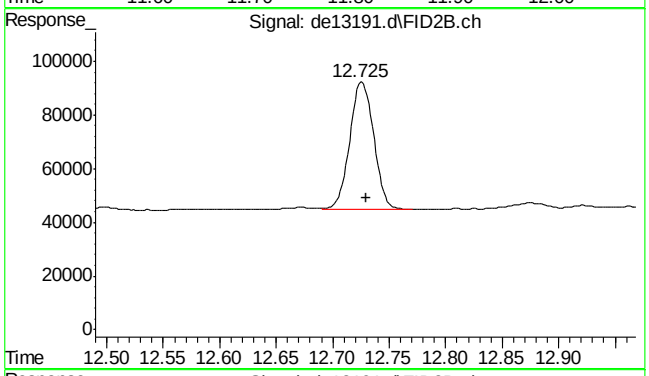
#35 1-chlorooctadecane

R.T.: 11.247 min
Delta R.T.: -0.005 min
Response: 61176
Conc: 1.13 µg/ml



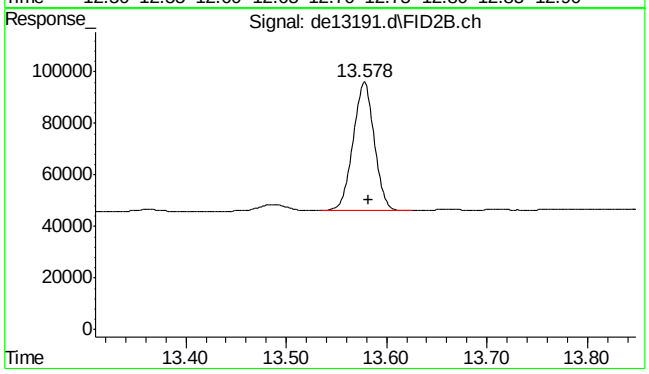
#36 c-22

R.T.: 11.807 min
Delta R.T.: -0.005 min
Response: 73192
Conc: 1.10 µg/ml



#37 c-24

R.T.: 12.725 min
Delta R.T.: -0.005 min
Response: 69851
Conc: 1.09 µg/ml



#38 c-26

R.T.: 13.578 min
Delta R.T.: -0.003 min
Response: 72850
Conc: 1.10 µg/ml

9.4.1

9

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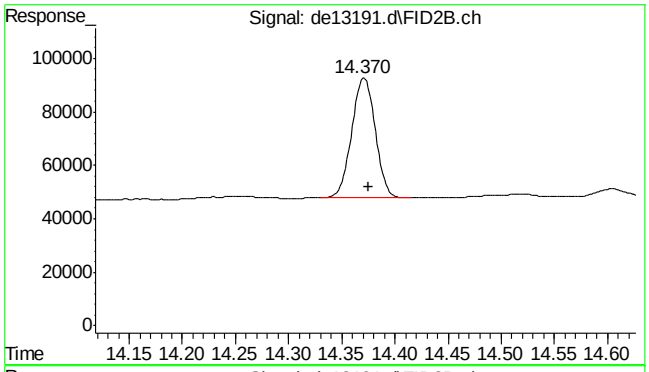
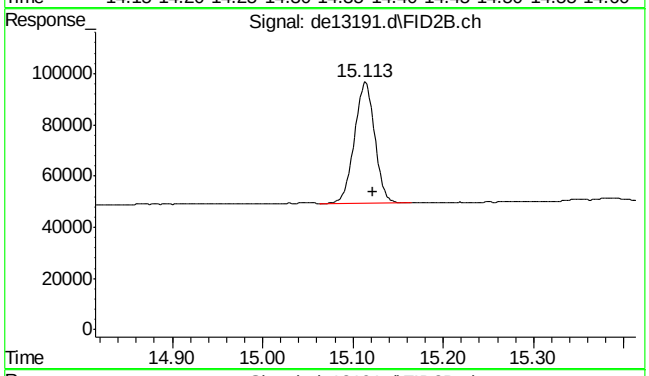


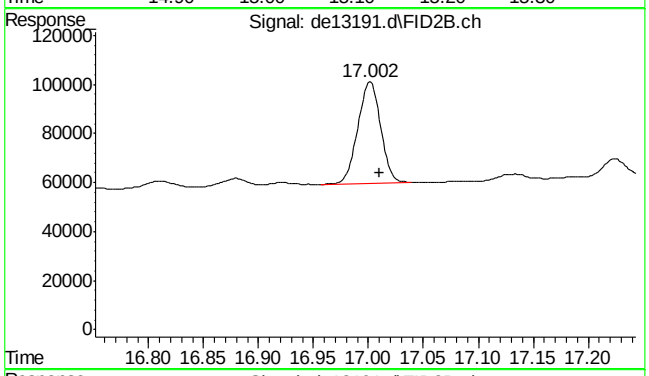
#39 c-28

R.T.: 14.370 min
Delta R.T.: -0.005 min
Response: 69399
Conc: 1.06 µg/ml



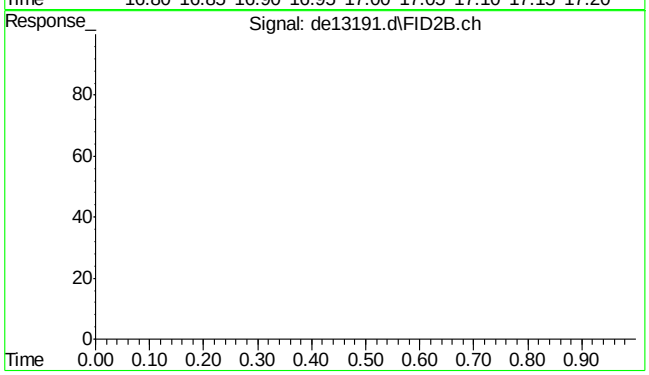
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 74594
Conc: 1.14 µg/ml m



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 60516
Conc: 0.97 µg/ml m



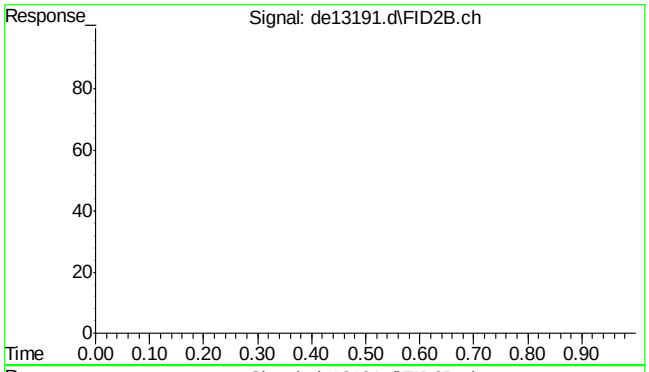
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.1

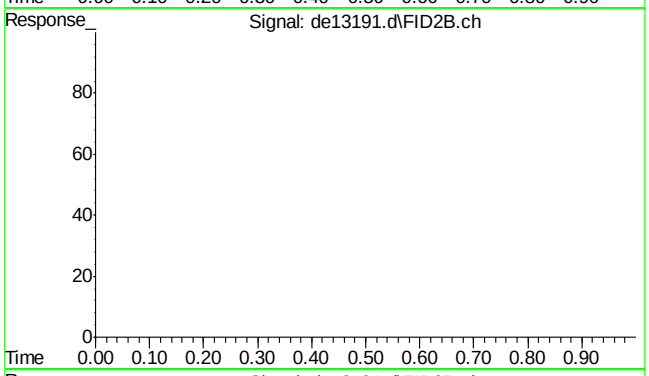
9

SGS ACCUTEST MC45754



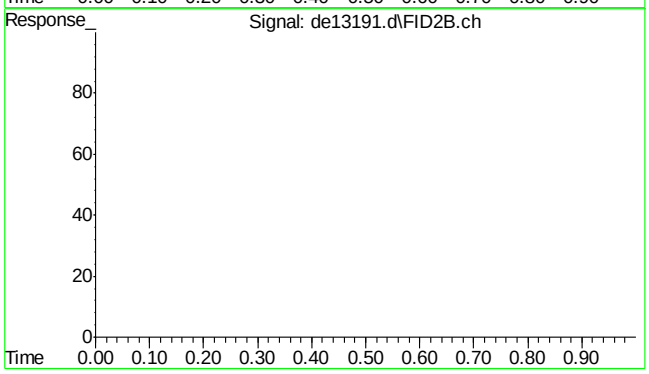
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

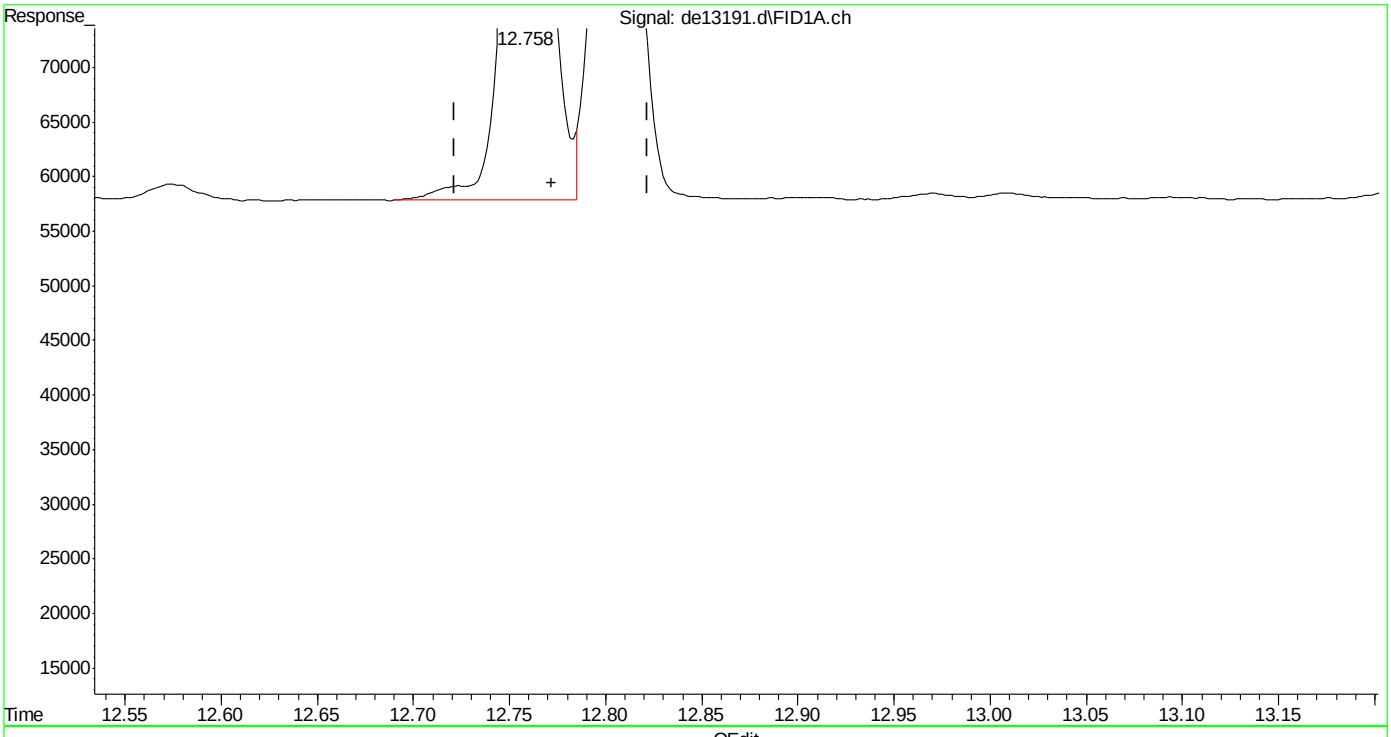
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.758min 1.044 µg/ml
response 102644

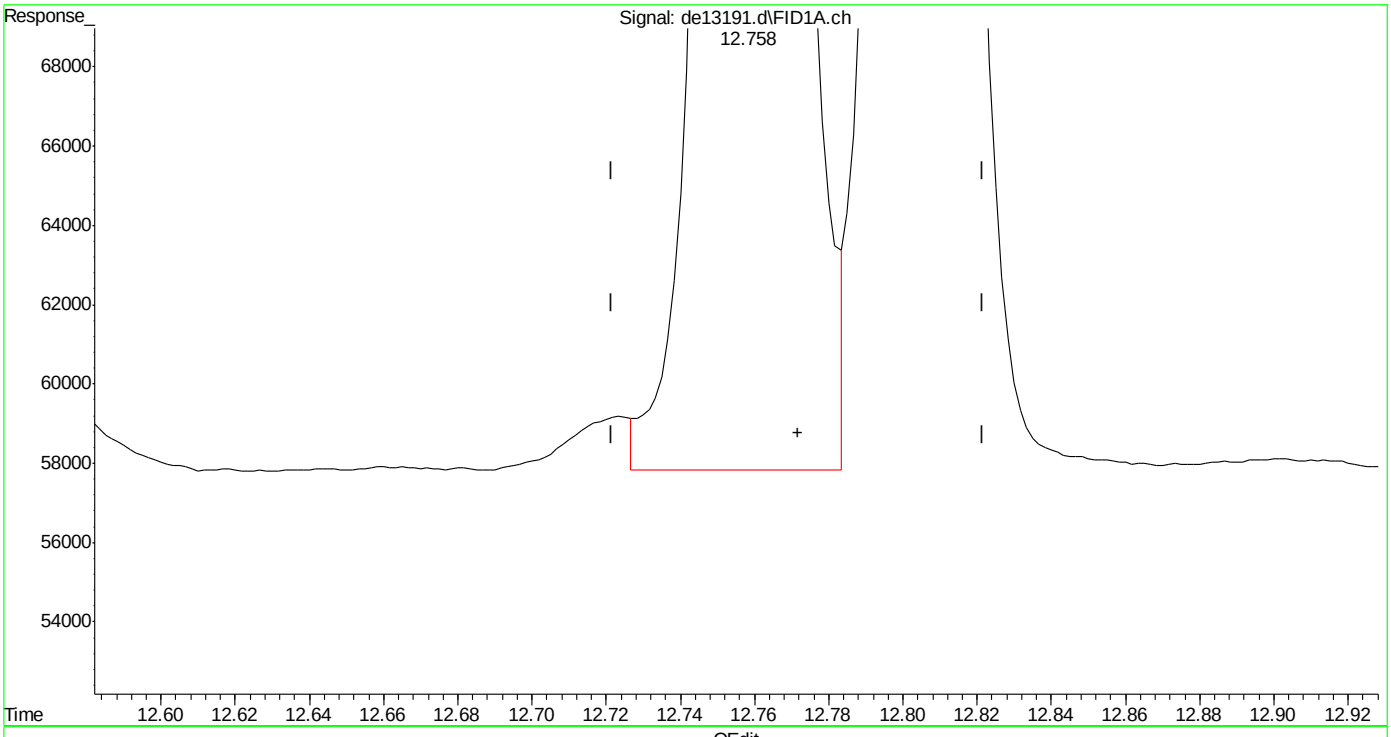
(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:36:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.758min 1.022 µg/ml m
response 100487

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:36:33 2016

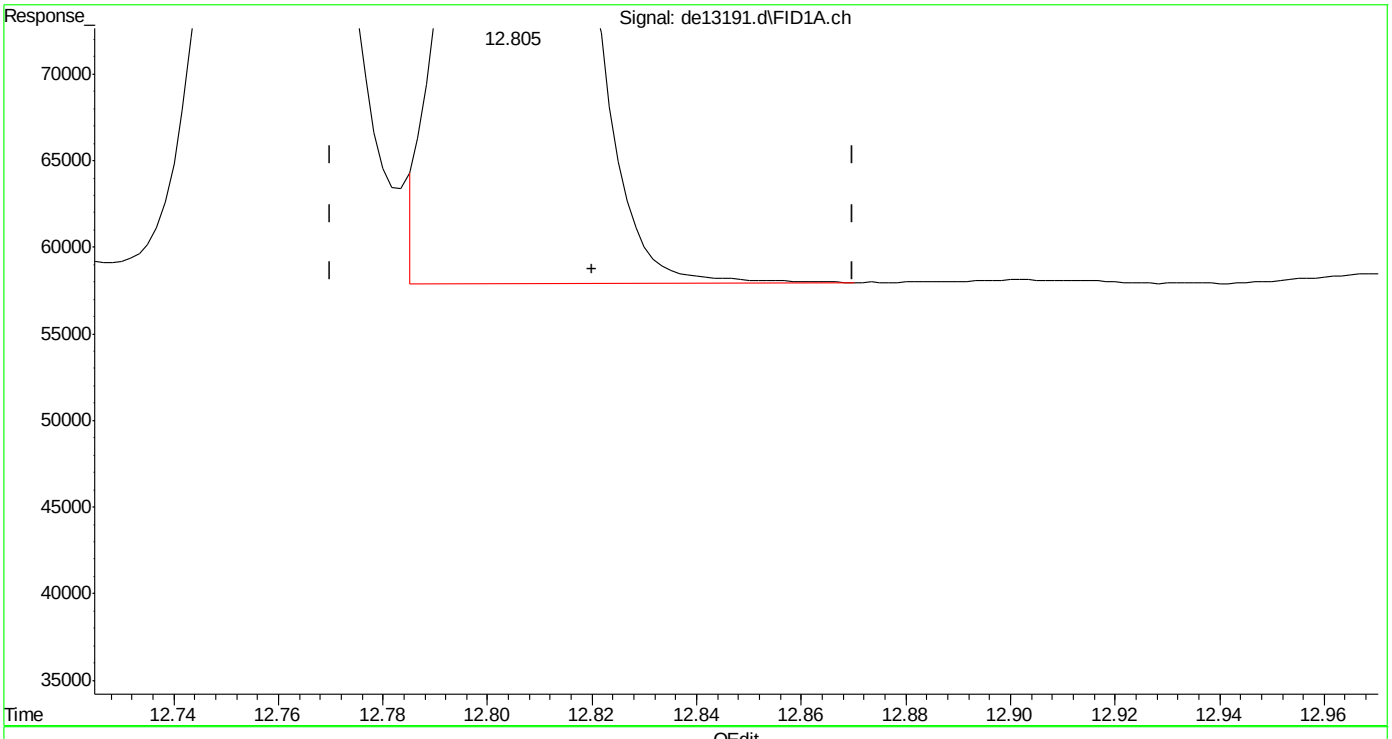
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.805min 1.000 µg/ml
response 99307

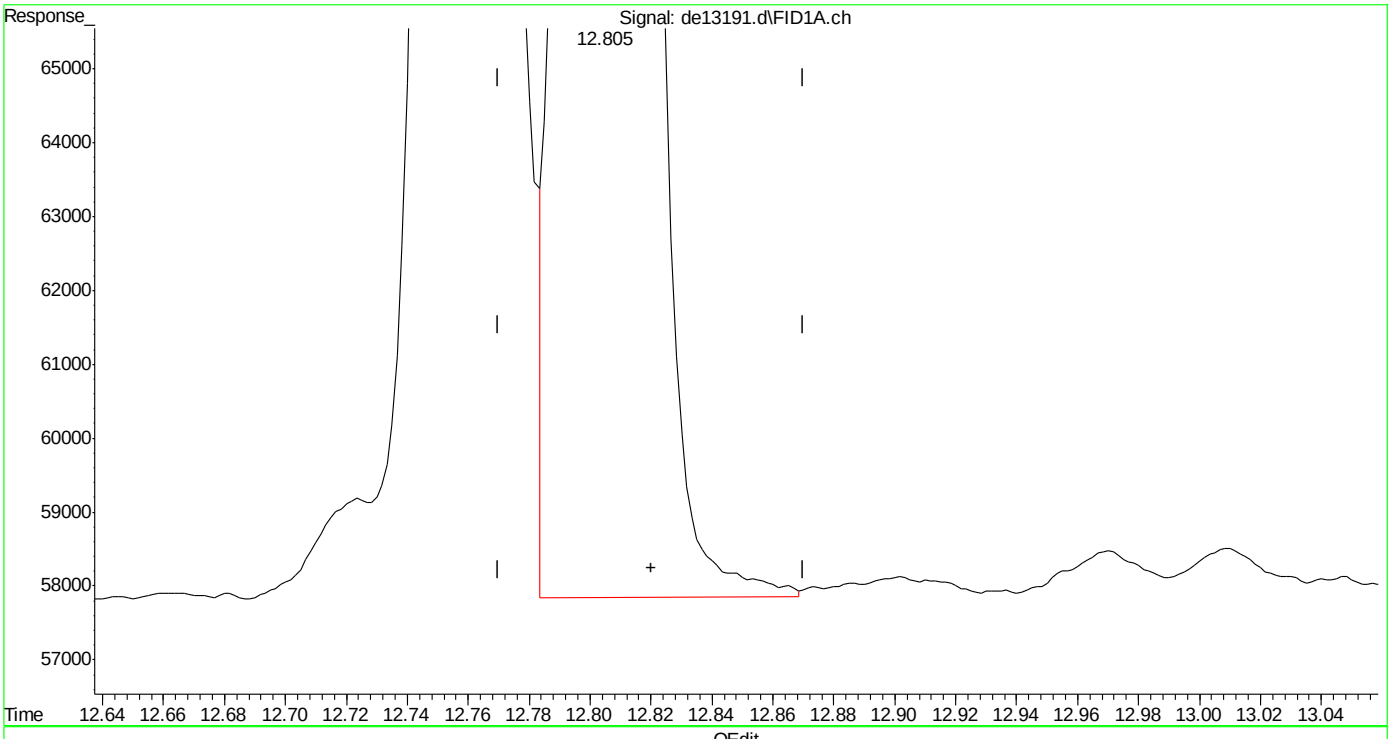
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.805min 1.010 µg/ml m
response 100279

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 10:37:01 2016

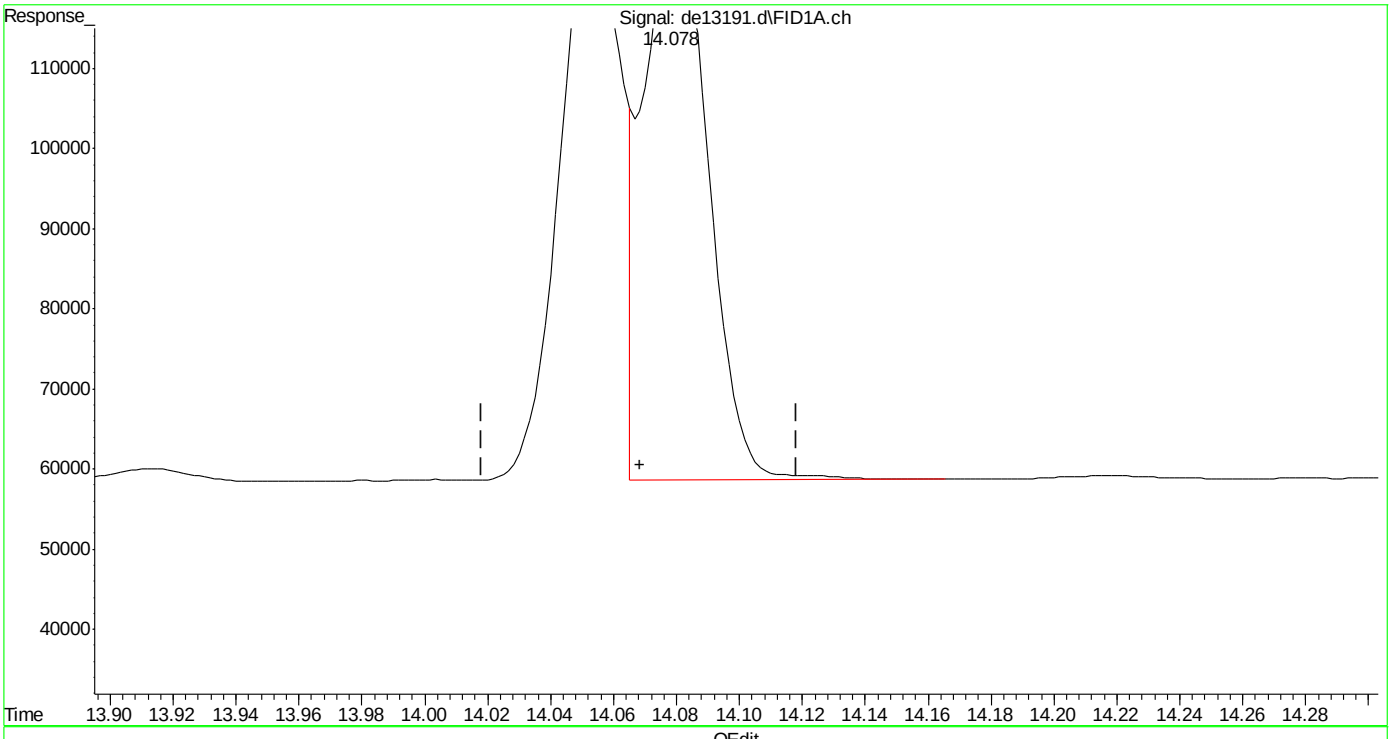
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.078min 0.983 µg/ml
response 100280

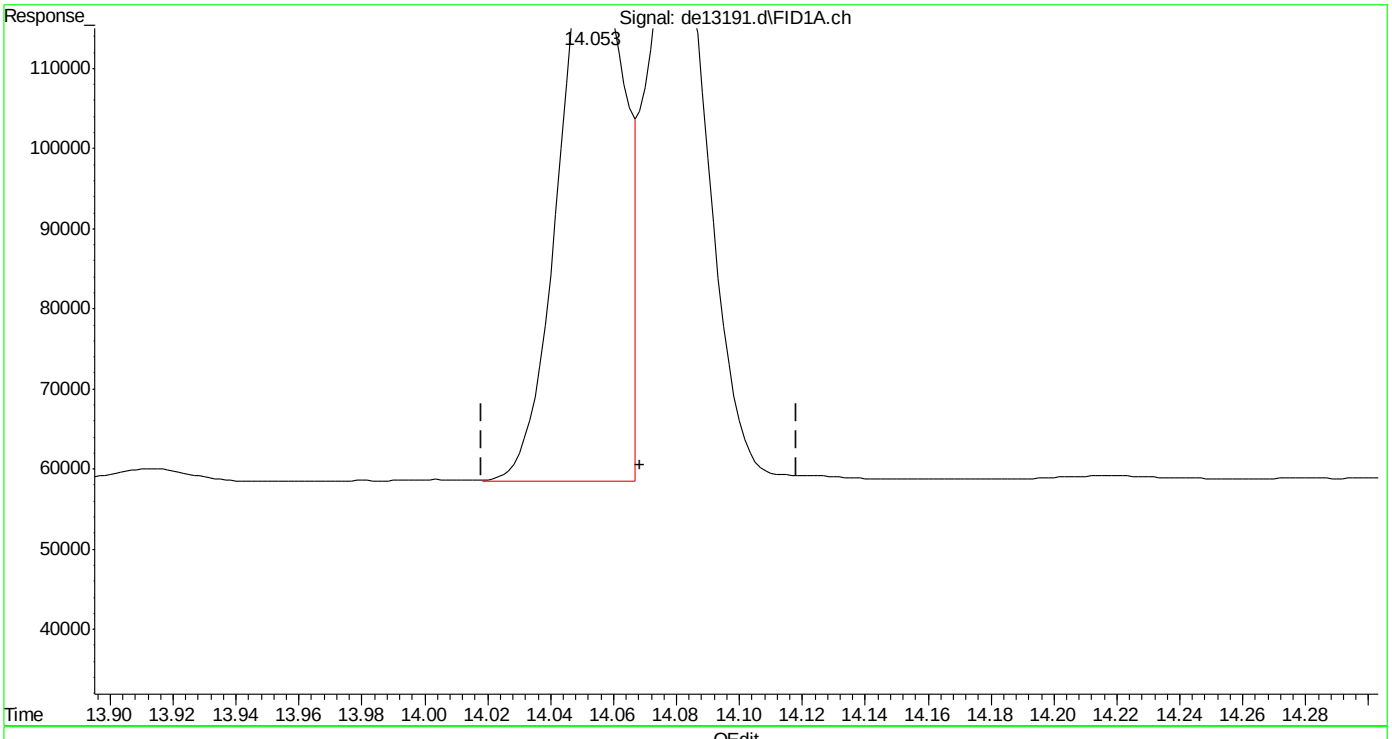
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.053min 0.988 µg/ml m
response 100827

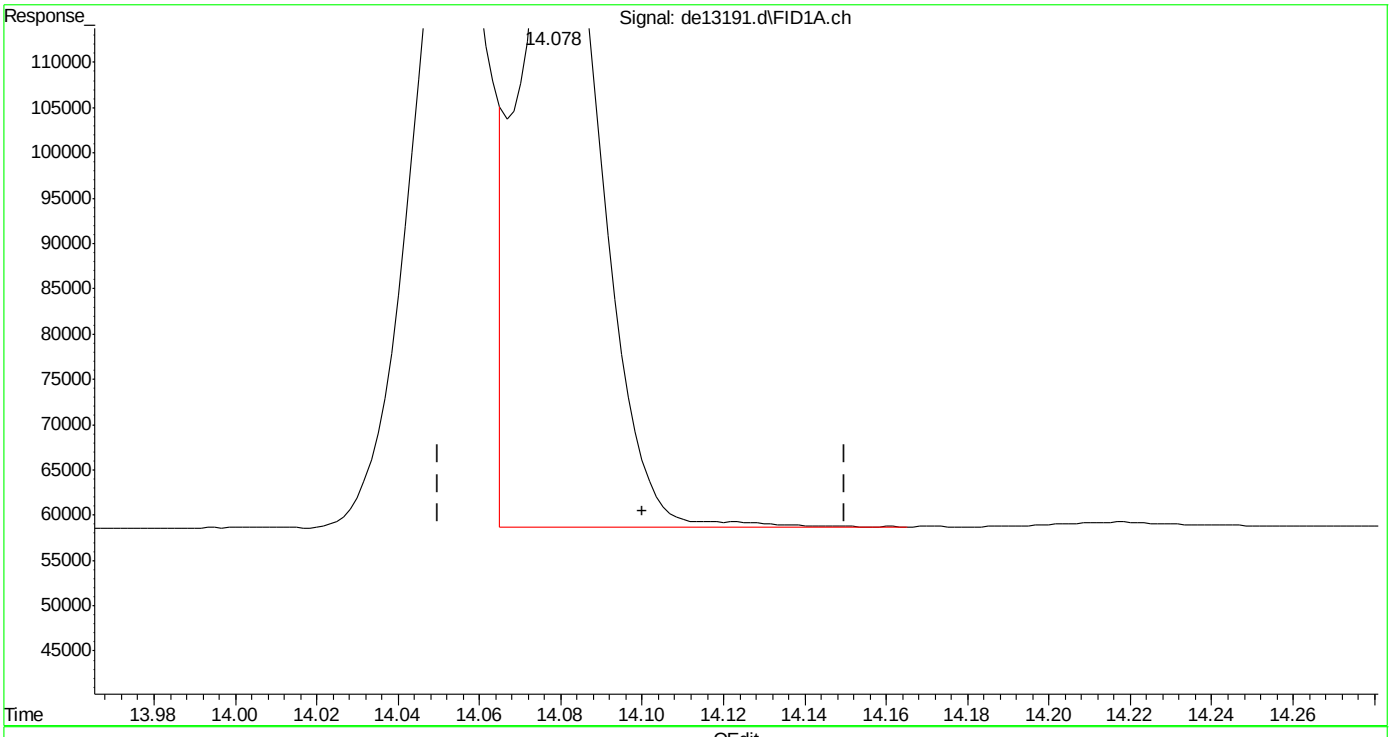
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.078min 1.024 µg/ml
response 100280

(+) = Expected Retention Time

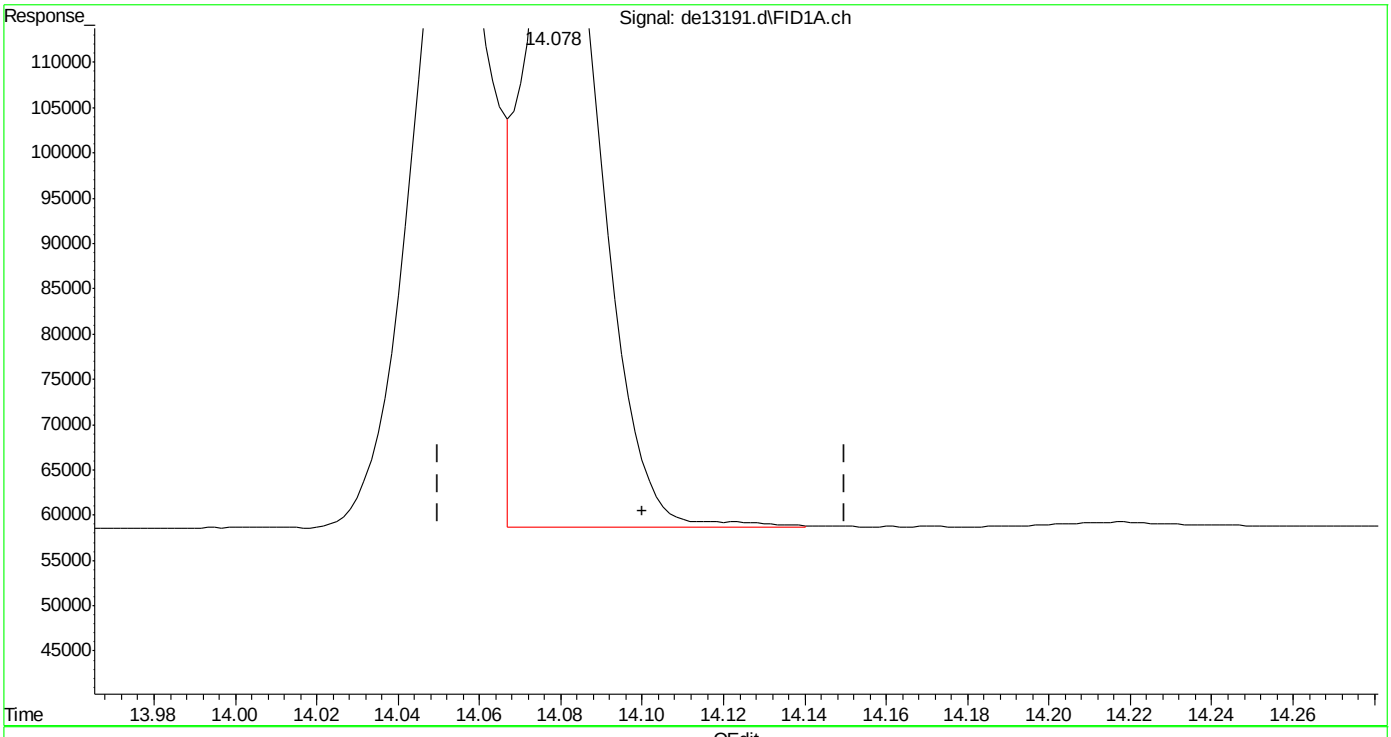
EPH160204M.M Fri Feb 05 10:37:26 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.078min 0.978 µg/ml m
response 95833

(+) = Expected Retention Time

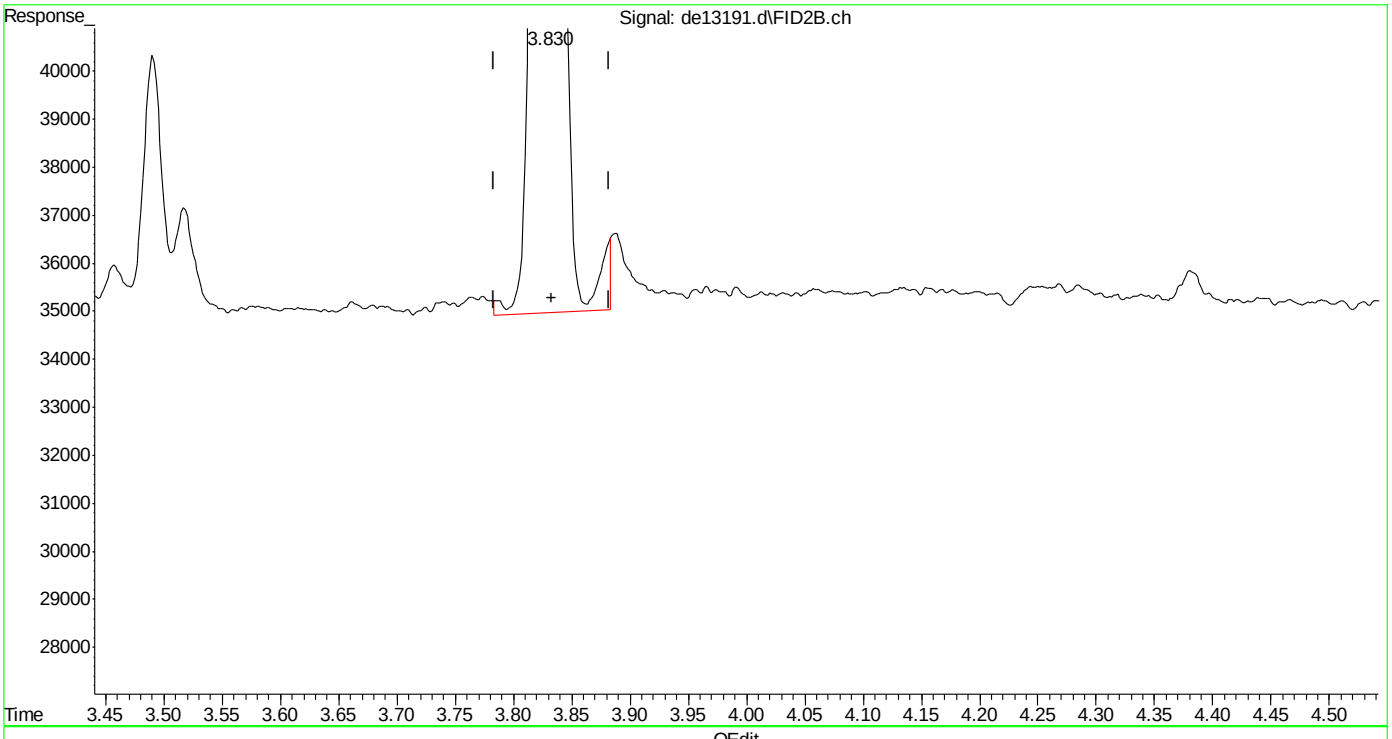
EPH160204M.M Fri Feb 05 10:37:39 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) c-10 (h)
3.833min 1.080 µg/ml
response 78399

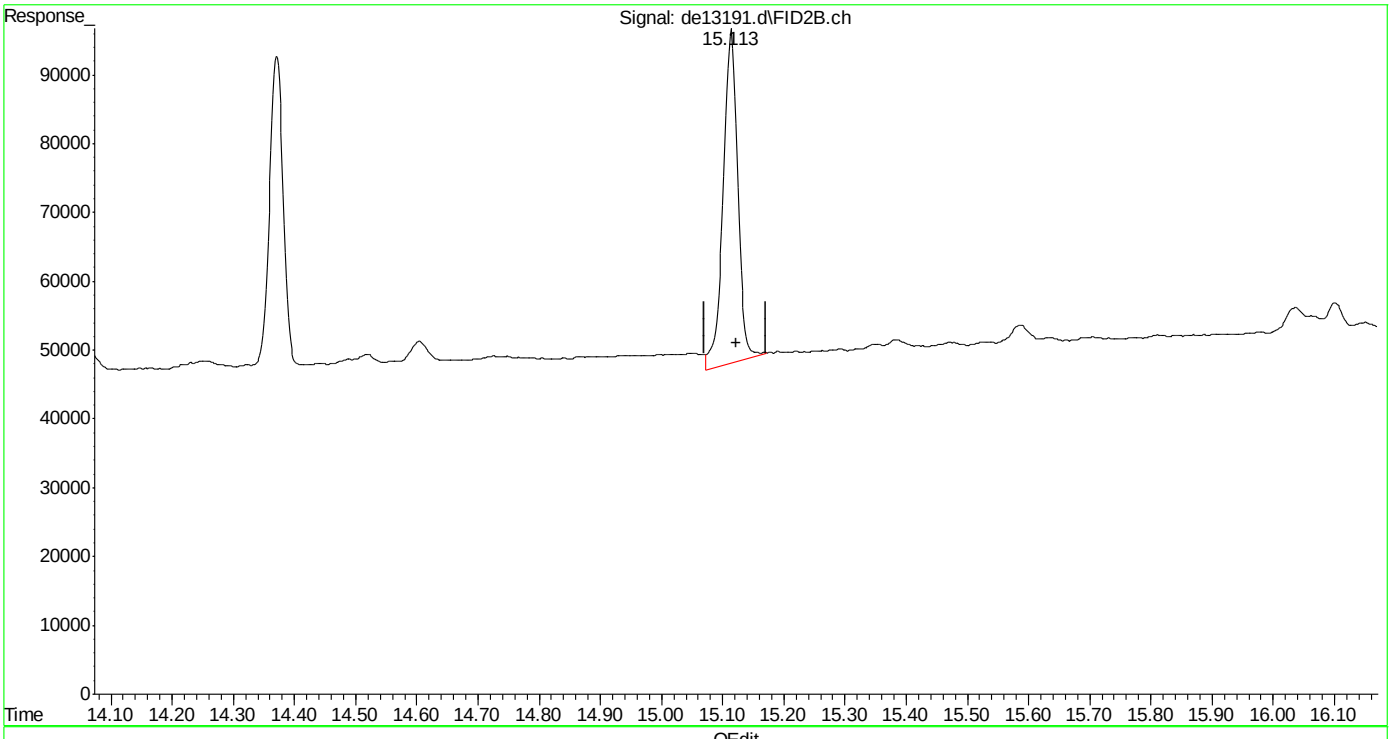
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 1.239 µg/ml
response 80783

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:38:11 2016

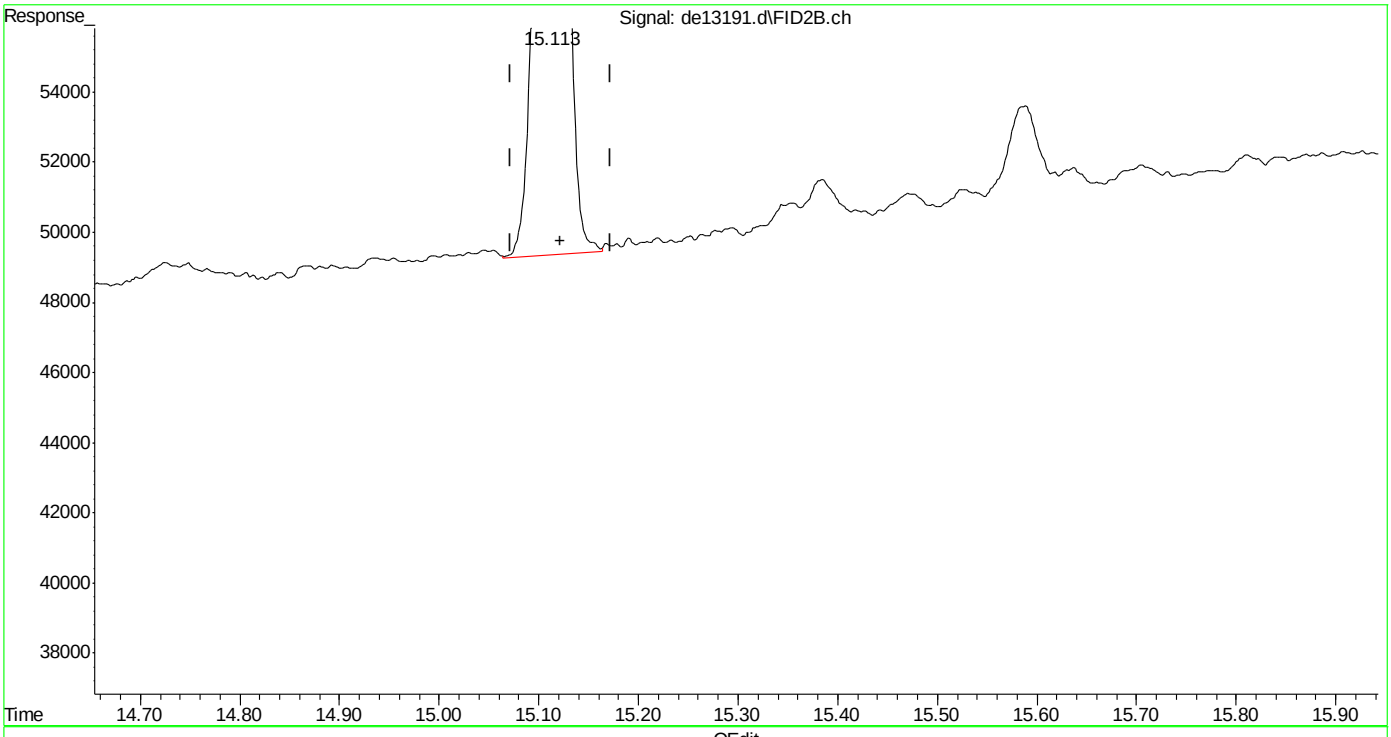
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 1.144 µg/ml m
response 74594

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:38:16 2016

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:41:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.800	184769	1.881 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 9.40%		
6) s 2-bromonaphthalene	7.532	125964	1.890 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 9.45%		
11) s o-terphenyl	10.077	208029	1.952 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 9.76%		
35) s 1-chlorooctadecane	11.247	119513	2.175 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 10.87%		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	3994043	2.778 µg/mlm
2) naphthalene	5.352	205575	1.860 µg/ml
3) 2-methylnaphthalene	6.248	205018	1.875 µg/ml
5) acenaphthylene	7.365	202426	1.881 µg/ml
7) acenaphthene	7.607	207471	1.893 µg/ml
8) fluorene	8.252	204542	1.903 µg/ml
9) phenanthrene	9.433	207031	1.943 µg/ml
10) anthracene	9.492	199105	2.019 µg/ml
12) fluoranthene	10.940	203479	1.960 µg/ml
13) pyrene	11.198	206224	1.967 µg/ml
14) benzo(a)anthracene	12.760	197822	2.010 µg/mlm
15) chrysene	12.807	197927	1.992 µg/mlm
16) benzo(B)fluoranthene	14.053	197572	1.943 µg/mlm
17) benzo(k)fluoranthene	14.082	193855	1.989 µg/mlm
18) benzo(a)pyrene	14.387	184685	1.912 µg/ml
19) indeno(1,2,3-cd)pyrene	15.523	186820	1.909 µg/ml
20) dibenzo(ah)anthracene	15.568	185980	1.983 µg/ml
21) benzo(ghi)perylene	15.742f	184915	1.960 µg/ml
25) h c-9	2.680	157422	2.139 µg/mlm
26) h c-10	3.833	158649	2.139 µg/mlm
27) naphthalene #2	5.510	169071	2.176 µg/ml
28) c-12	5.685	157764	2.137 µg/ml
29) 2-methylnaphthalene #2	6.403	172009	2.148 µg/ml
30) c-14	7.202	157636	2.130 µg/ml
31) c-16	8.530	156773	2.123 µg/ml
32) c-18	9.725	154646	2.108 µg/ml
33) c-19	10.282	151034	2.126 µg/ml
34) c-20	10.812	148378	2.126 µg/ml
36) c-22	11.808	146070	2.124 µg/ml
37) c-24	12.725	135579	2.049 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:41:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
38)		c-26	13.577	142920	2.087 µg/ml
39)		c-28	14.370	137233	2.060 µg/ml
40)	h	c-30	15.122	139197	2.037 µg/mlm
41)	h	c-36	17.010	119416	1.930 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.2

9

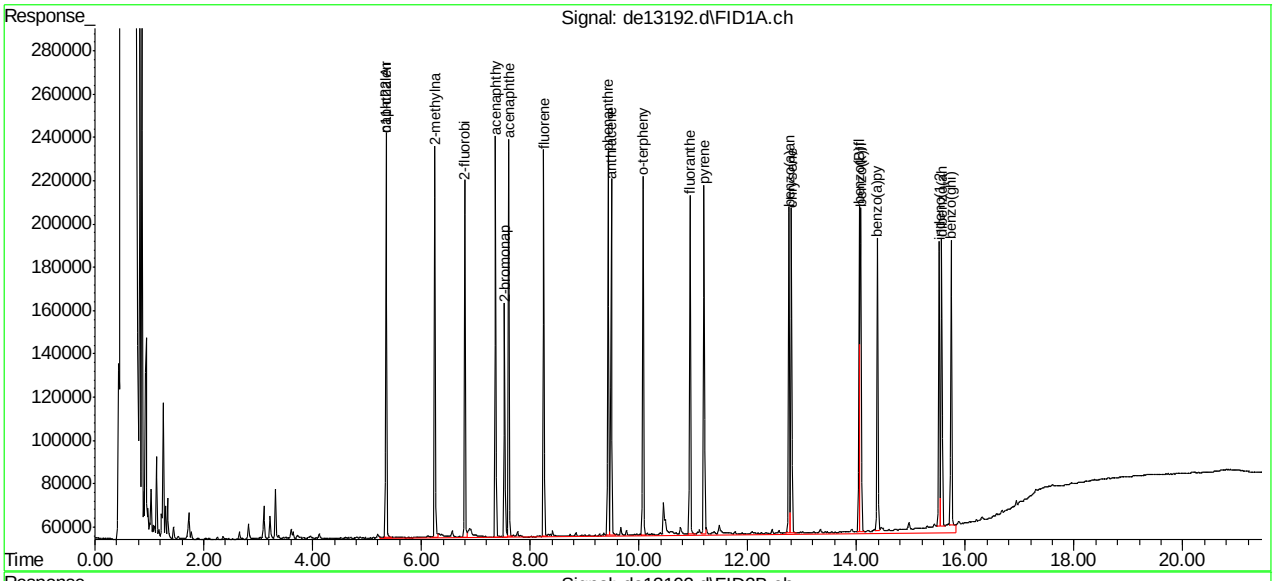
SGS ACCUTEST MC45754

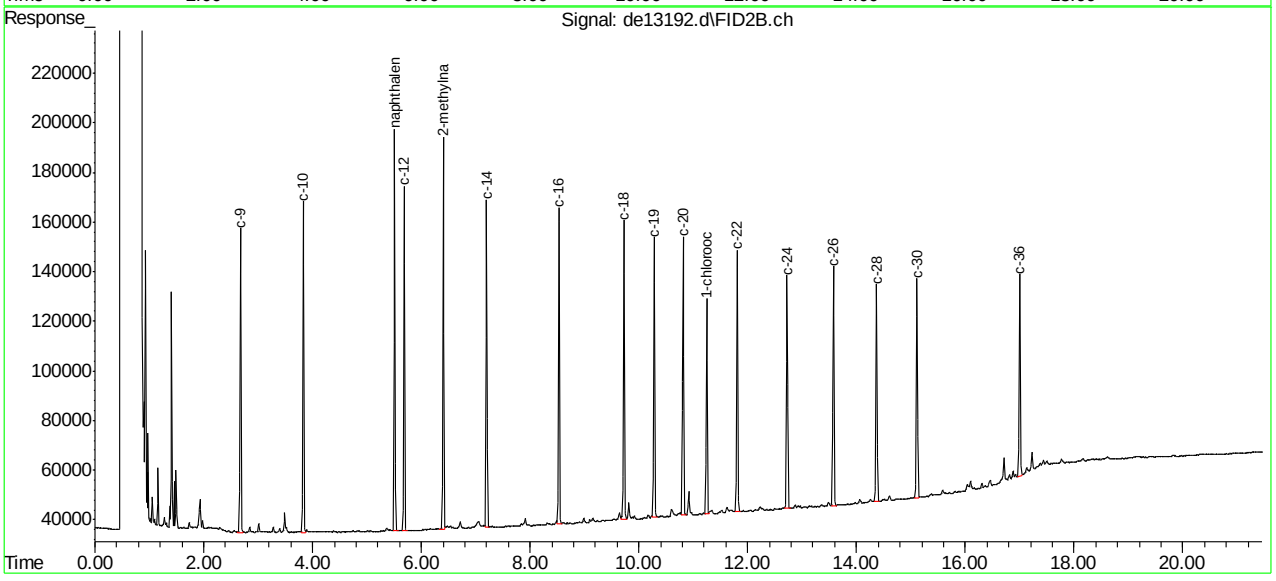
Quantitation Report (QT Reviewed)

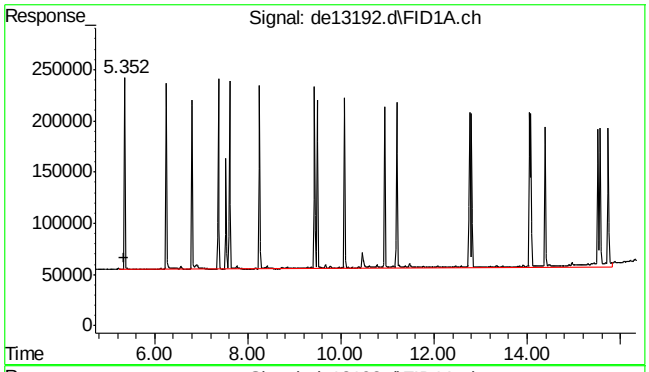
Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:41:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

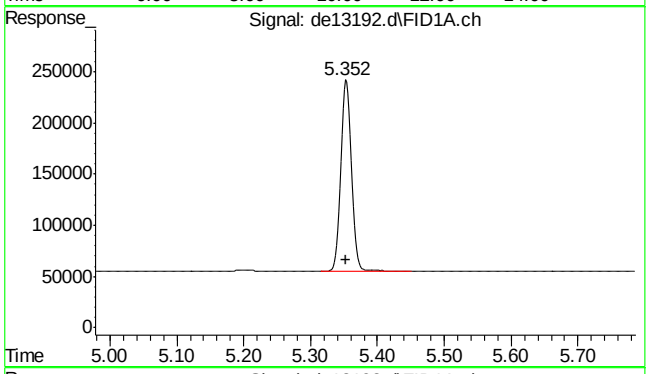






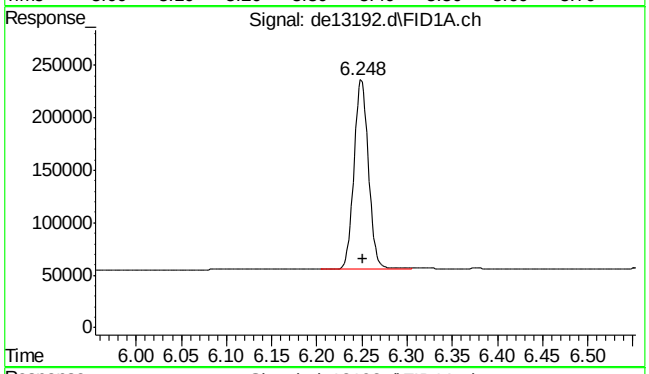
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 3994043
Conc: 2.78 µg/ml m



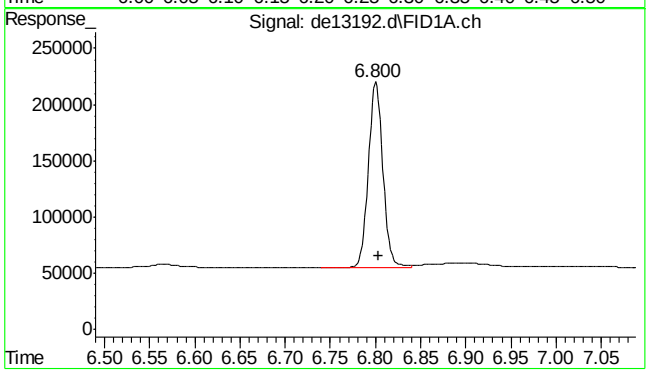
#2 naphthalene

R.T.: 5.352 min
Delta R.T.: -0.002 min
Response: 205575
Conc: 1.86 µg/ml



#3 2-methylnaphthalene

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 205018
Conc: 1.88 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.800 min
Delta R.T.: -0.003 min
Response: 184769
Conc: 1.88 µg/ml

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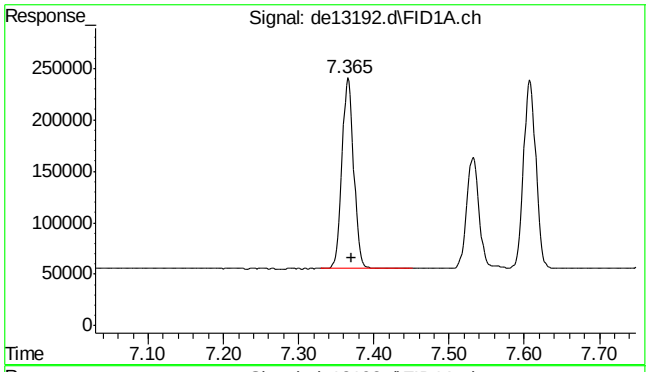
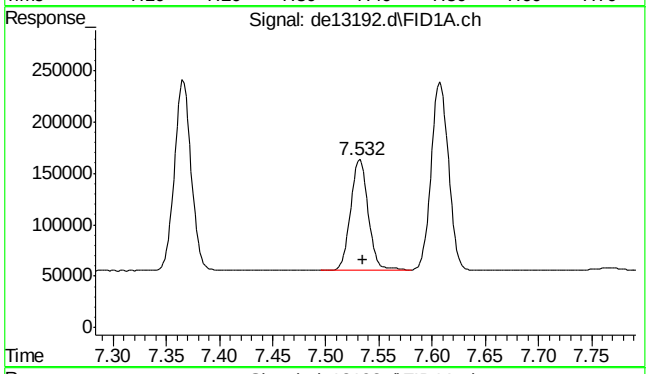


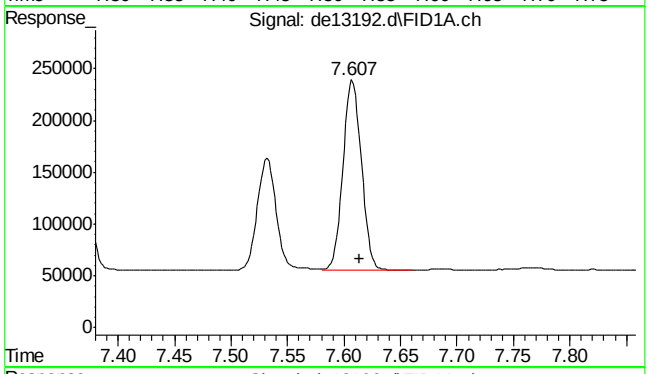
#5 acenaphthylene

R.T.: 7.365 min
Delta R.T.: -0.005 min
Response: 202426
Conc: 1.88 µg/ml



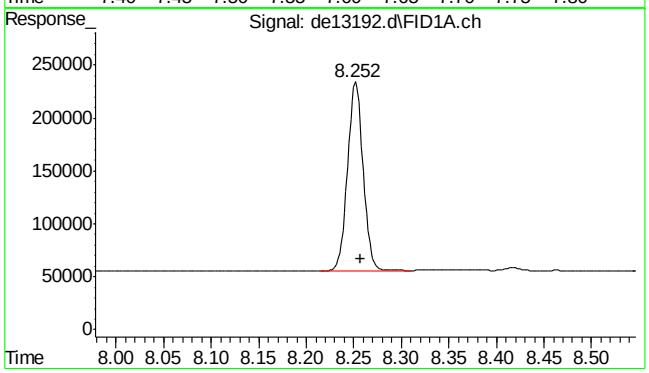
#6 2-bromonaphthalene

R.T.: 7.532 min
Delta R.T.: -0.003 min
Response: 125964
Conc: 1.89 µg/ml



#7 acenaphthene

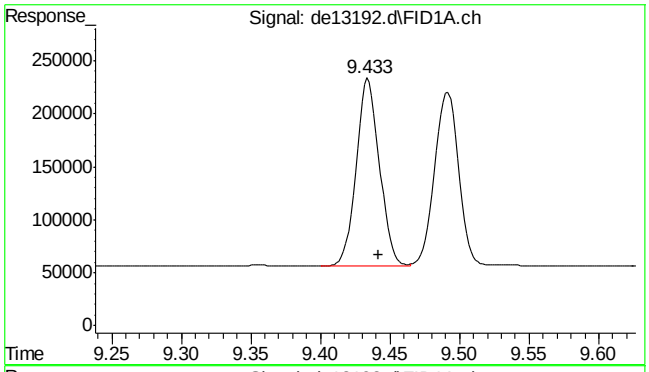
R.T.: 7.607 min
Delta R.T.: -0.007 min
Response: 207471
Conc: 1.89 µg/ml



#8 fluorene

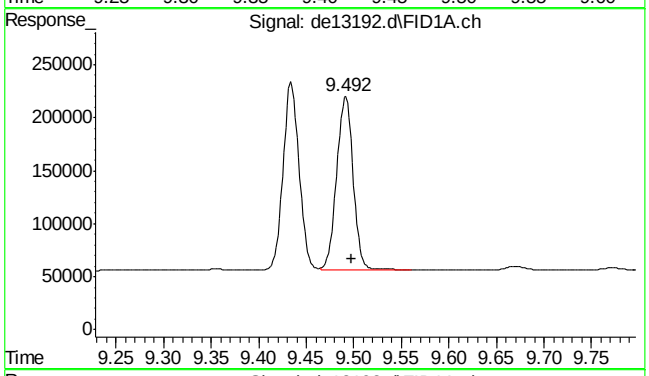
R.T.: 8.252 min
Delta R.T.: -0.005 min
Response: 204542
Conc: 1.90 µg/ml

SGS ACCUTEST MC45754



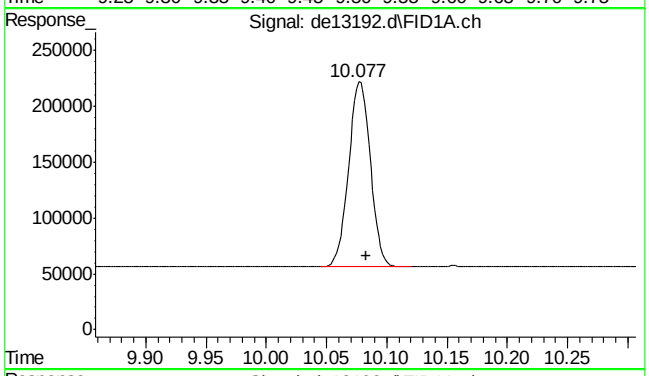
#9 phenanthrene

R.T.: 9.433 min
Delta R.T.: -0.008 min
Response: 207031
Conc: 1.94 µg/ml



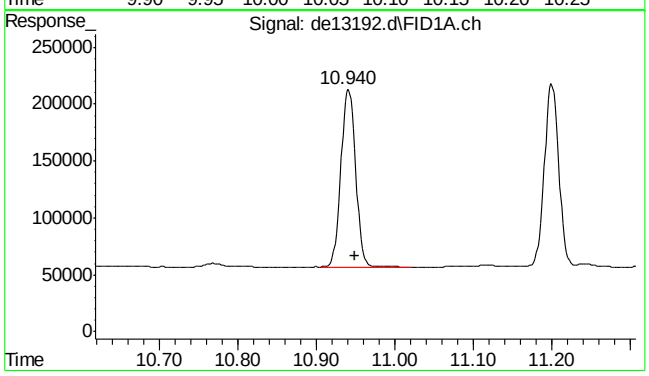
#10 anthracene

R.T.: 9.492 min
Delta R.T.: -0.007 min
Response: 199105
Conc: 2.02 µg/ml



#11 o-terphenyl

R.T.: 10.077 min
Delta R.T.: -0.007 min
Response: 208029
Conc: 1.95 µg/ml



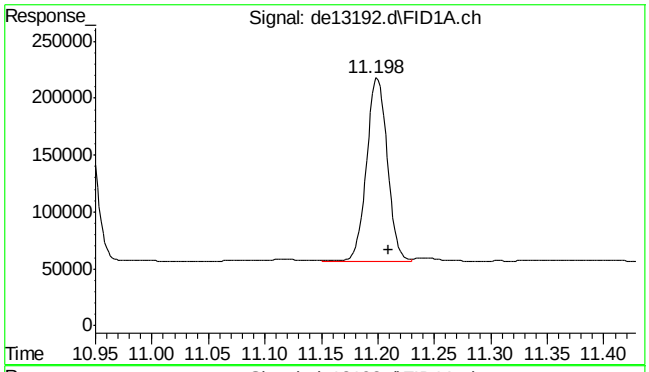
#12 fluoranthene

R.T.: 10.940 min
Delta R.T.: -0.008 min
Response: 203479
Conc: 1.96 µg/ml

9.4.2

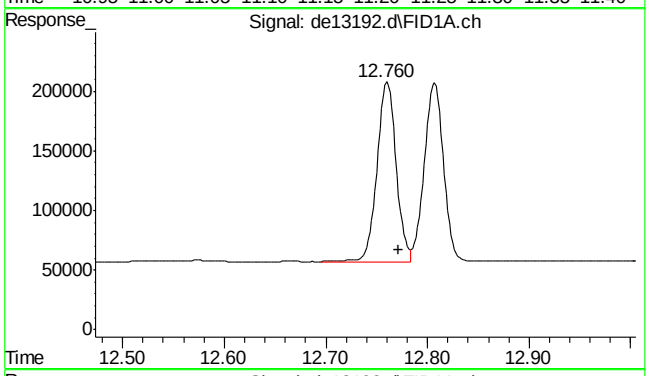
9

SGS ACCUTEST MC45754



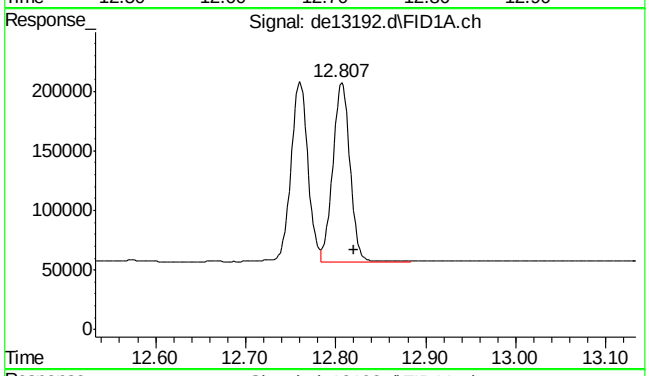
#13 pyrene

R.T.: 11.198 min
Delta R.T.: -0.012 min
Response: 206224
Conc: 1.97 µg/ml



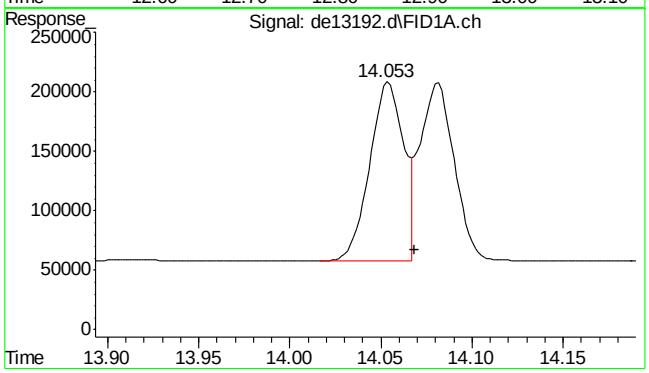
#14 benzo(a)anthracene

R.T.: 12.760 min
Delta R.T.: -0.012 min
Response: 197822
Conc: 2.01 µg/ml m



#15 chrysene

R.T.: 12.807 min
Delta R.T.: -0.013 min
Response: 197927
Conc: 1.99 µg/ml m



#16 benzo(B)fluoranthene

R.T.: 14.053 min
Delta R.T.: -0.015 min
Response: 197572
Conc: 1.94 µg/ml m

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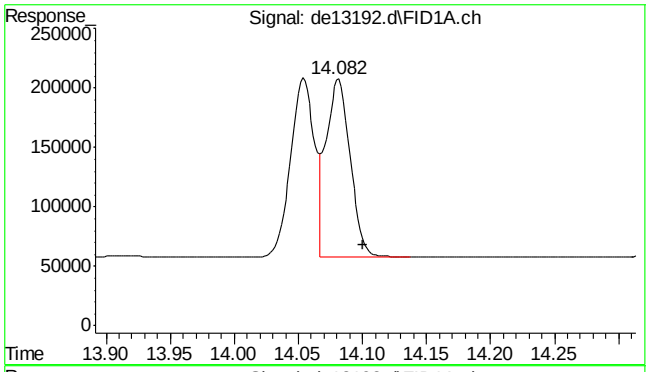
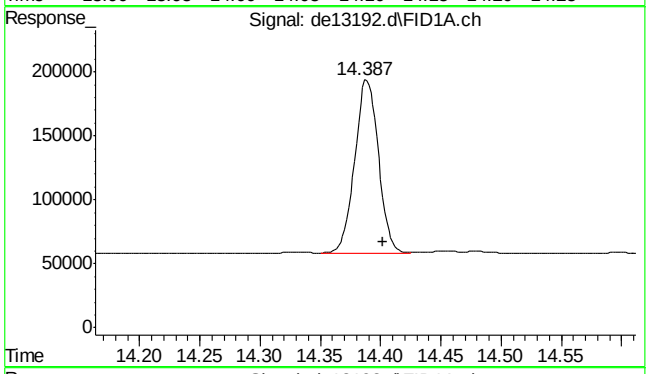


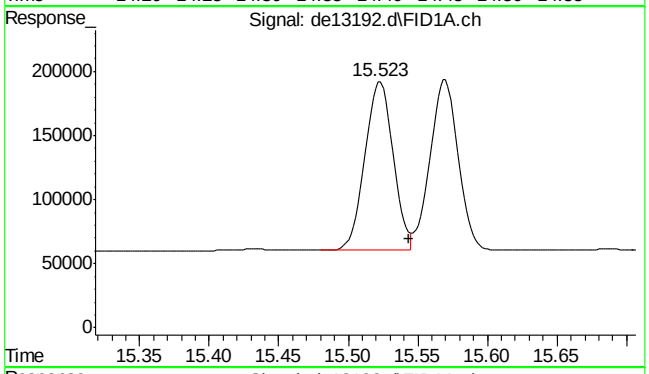
#17 benzo(k)fluoranthene

R.T.: 14.082 min
Delta R.T.: -0.018 min
Response: 193855
Conc: 1.99 µg/ml m



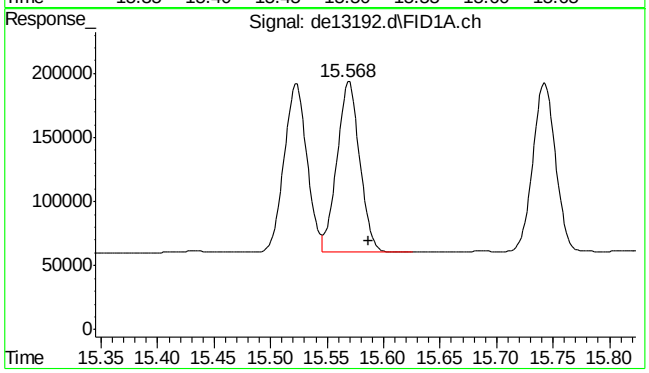
#18 benzo(a)pyrene

R.T.: 14.387 min
Delta R.T.: -0.015 min
Response: 184685
Conc: 1.91 µg/ml



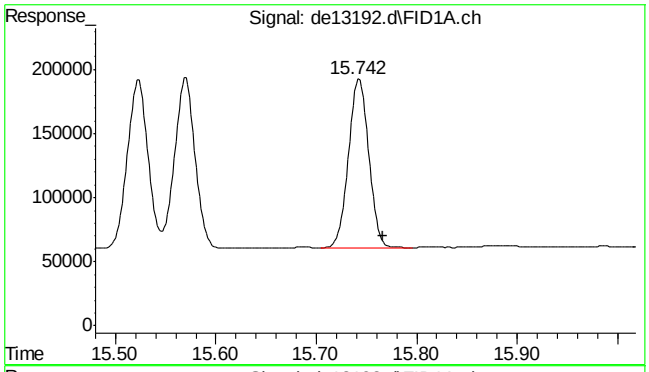
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.523 min
Delta R.T.: -0.020 min
Response: 186820
Conc: 1.91 µg/ml



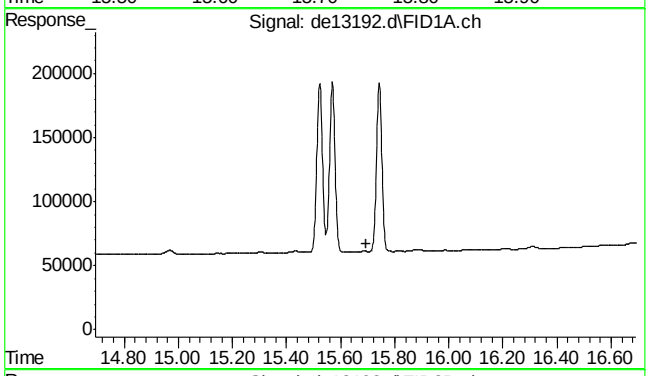
#20 dibenzo(ah)anthracene

R.T.: 15.568 min
Delta R.T.: -0.018 min
Response: 185980
Conc: 1.98 µg/ml



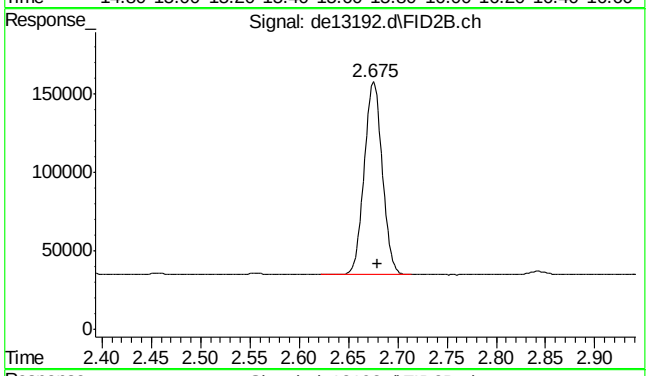
#21 benzo(ghi)perylene

R.T.: 15.742 min
Delta R.T.: -0.025 min
Response: 184915
Conc: 1.96 µg/ml



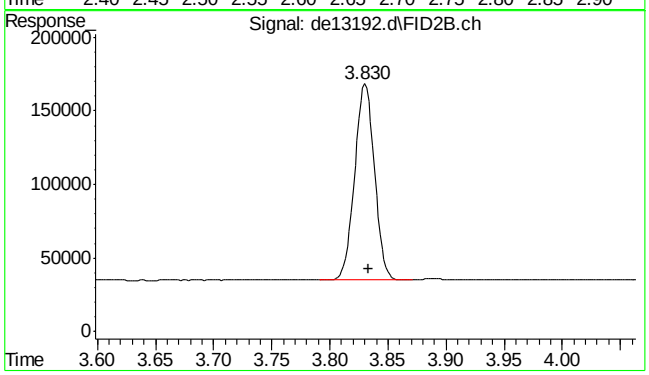
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 157422
Conc: 2.14 µg/ml m



#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 158649
Conc: 2.14 µg/ml m

9.4.2
9

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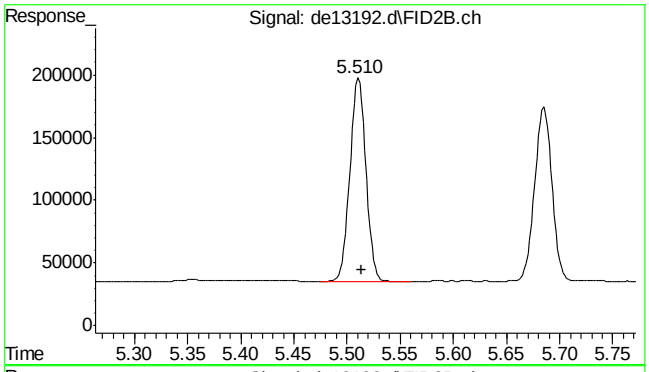
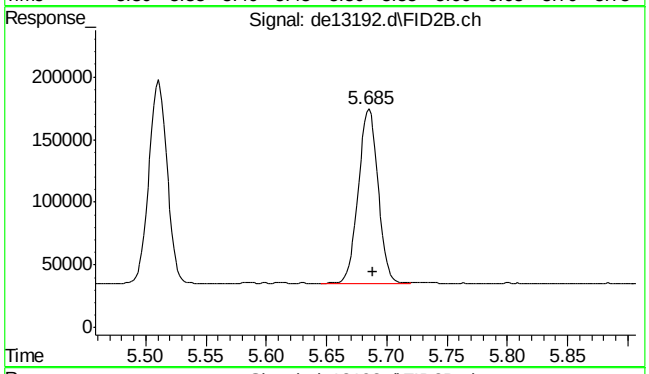


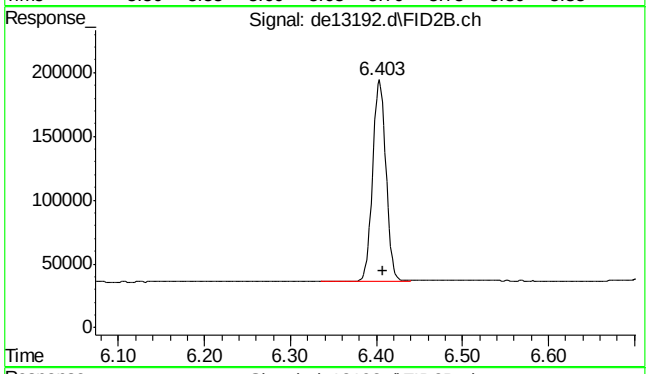
#27 naphthalene #2

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 169071
Conc: 2.18 µg/ml



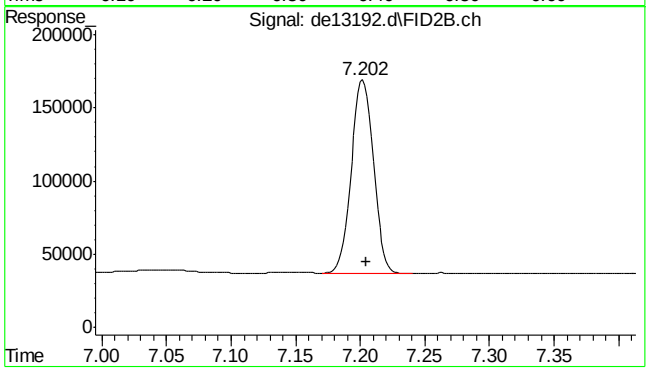
#28 c-12

R.T.: 5.685 min
Delta R.T.: -0.003 min
Response: 157764
Conc: 2.14 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.403 min
Delta R.T.: -0.005 min
Response: 172009
Conc: 2.15 µg/ml



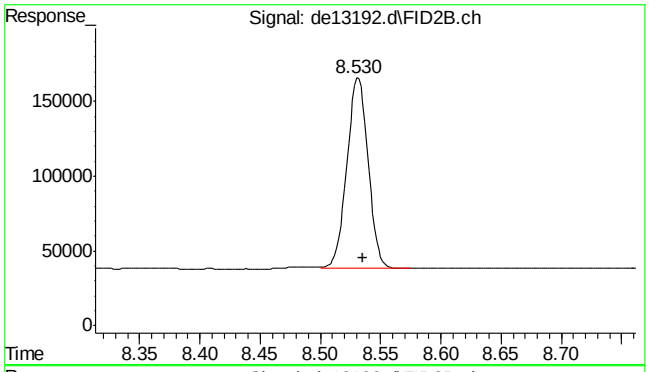
#30 c-14

R.T.: 7.202 min
Delta R.T.: -0.003 min
Response: 157636
Conc: 2.13 µg/ml

9.4.2

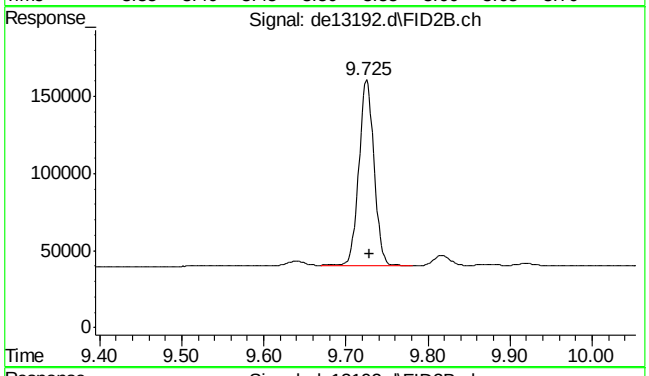
9

SGS ACCUTEST MC45754



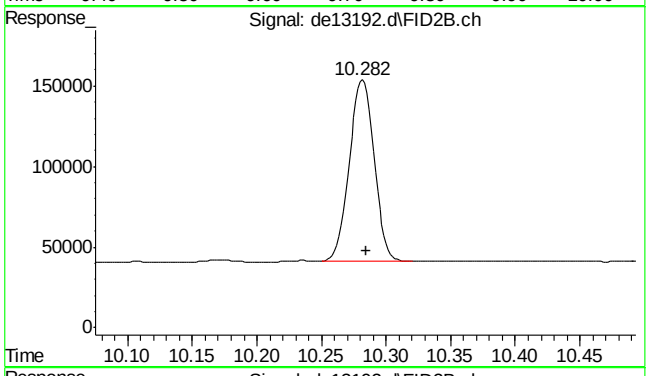
#31 c-16

R.T.: 8.530 min
Delta R.T.: -0.005 min
Response: 156773
Conc: 2.12 µg/ml



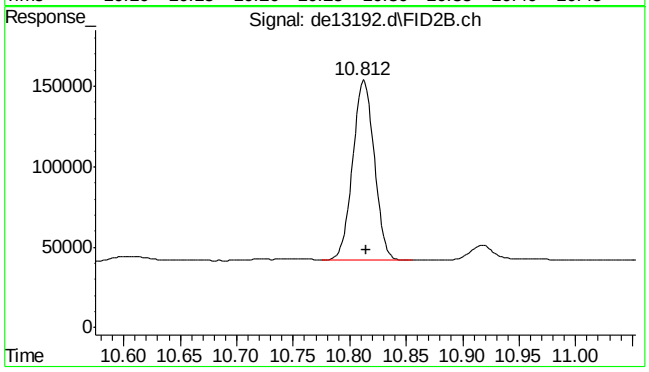
#32 c-18

R.T.: 9.725 min
Delta R.T.: -0.003 min
Response: 154646
Conc: 2.11 µg/ml



#33 c-19

R.T.: 10.282 min
Delta R.T.: -0.003 min
Response: 151034
Conc: 2.13 µg/ml



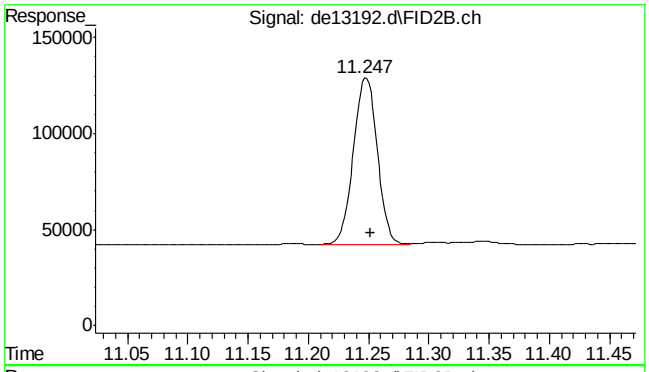
#34 c-20

R.T.: 10.812 min
Delta R.T.: -0.003 min
Response: 148378
Conc: 2.13 µg/ml

9.4.2

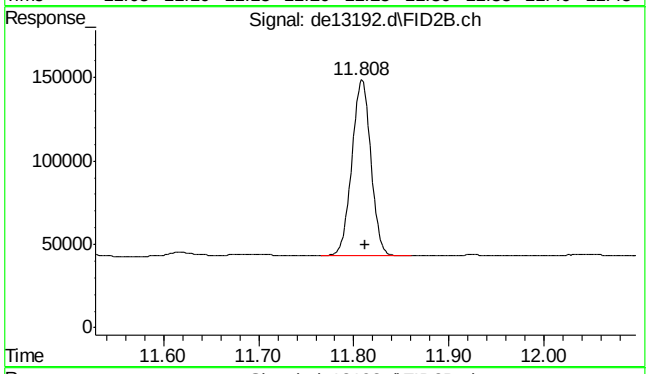
9

SGS ACCUTEST MC45754



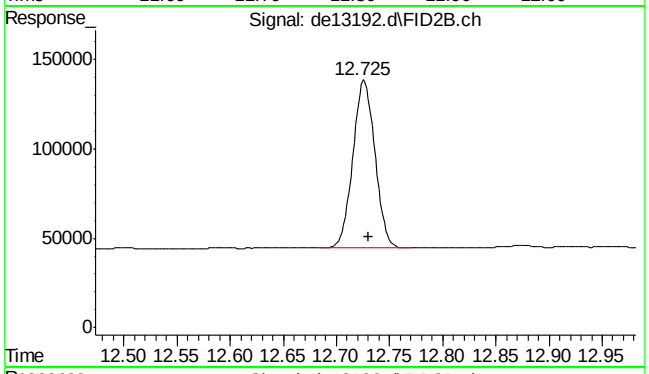
#35 1-chlorooctadecane

R.T.: 11.247 min
Delta R.T.: -0.005 min
Response: 119513
Conc: 2.17 µg/ml



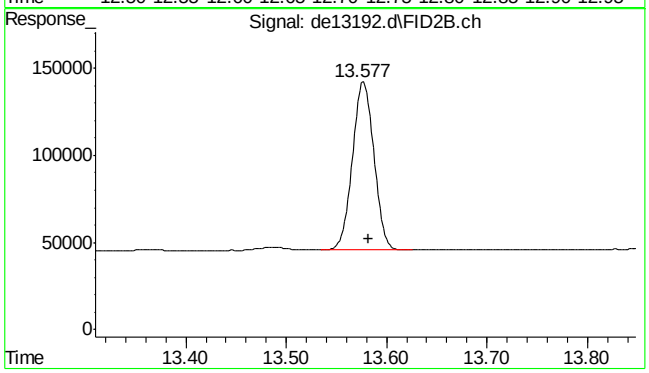
#36 c-22

R.T.: 11.808 min
Delta R.T.: -0.003 min
Response: 146070
Conc: 2.12 µg/ml



#37 c-24

R.T.: 12.725 min
Delta R.T.: -0.005 min
Response: 135579
Conc: 2.05 µg/ml



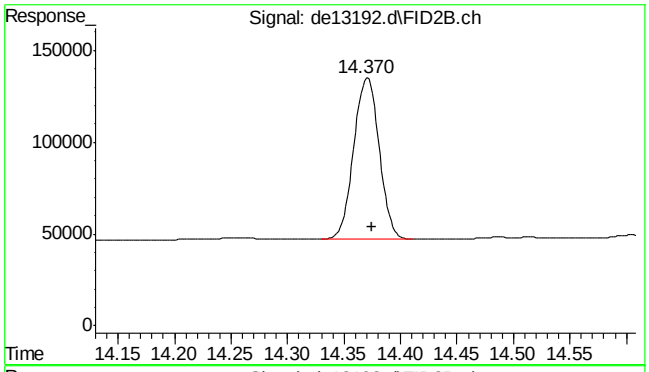
#38 c-26

R.T.: 13.577 min
Delta R.T.: -0.005 min
Response: 142920
Conc: 2.09 µg/ml

9.4.2

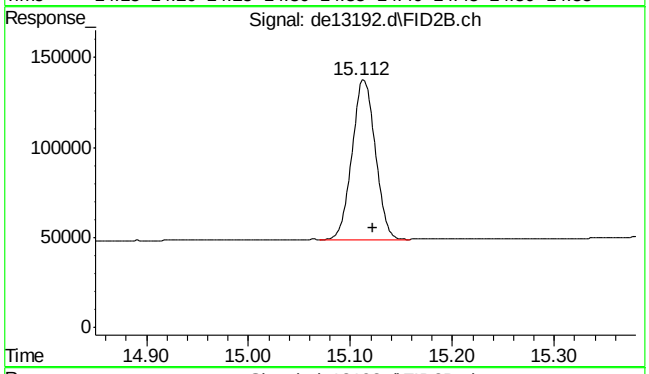
9

SGS ACCUTEST MC45754



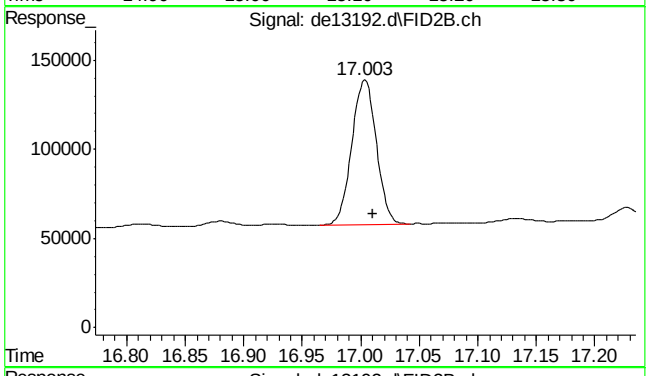
#39 c-28

R.T.: 14.370 min
Delta R.T.: -0.005 min
Response: 137233
Conc: 2.06 µg/ml



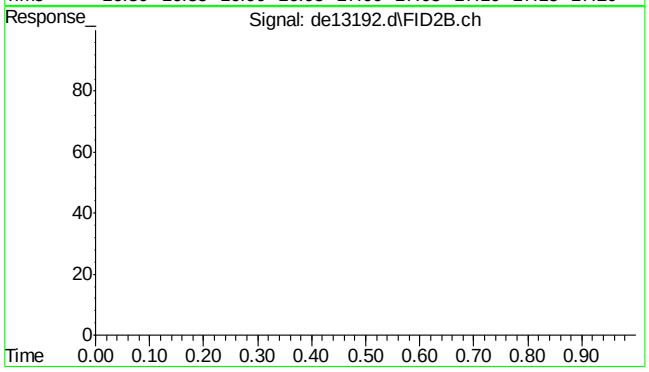
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 139197
Conc: 2.04 µg/ml m



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 119416
Conc: 1.93 µg/ml m



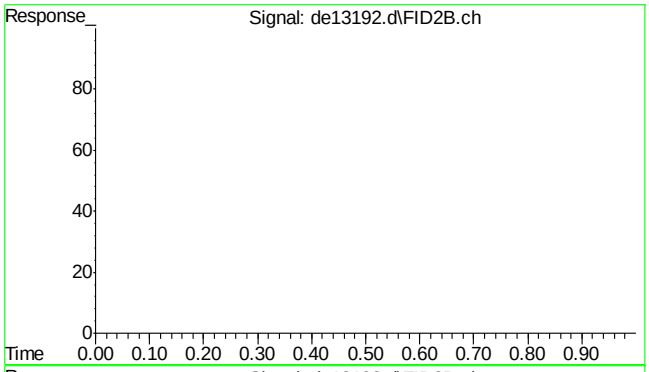
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.2

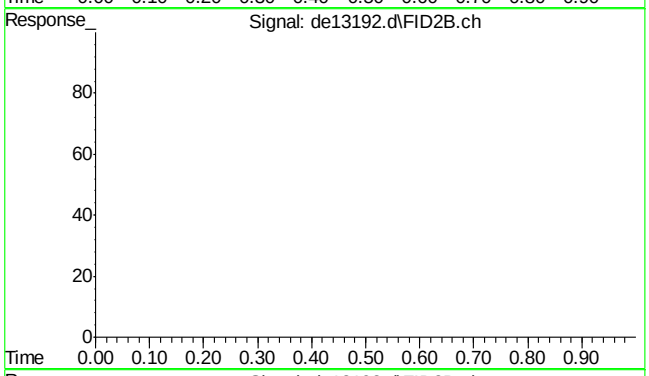
9

SGS ACCUTEST MC45754



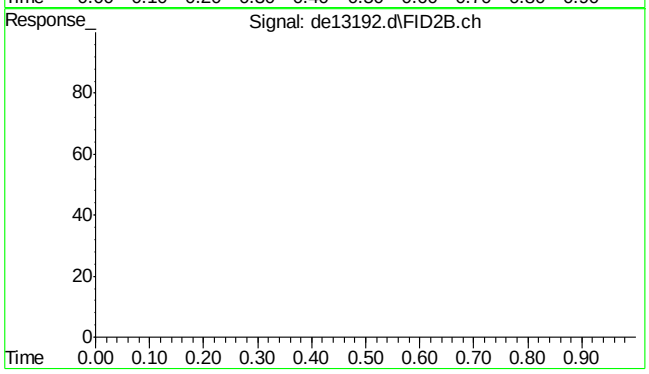
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

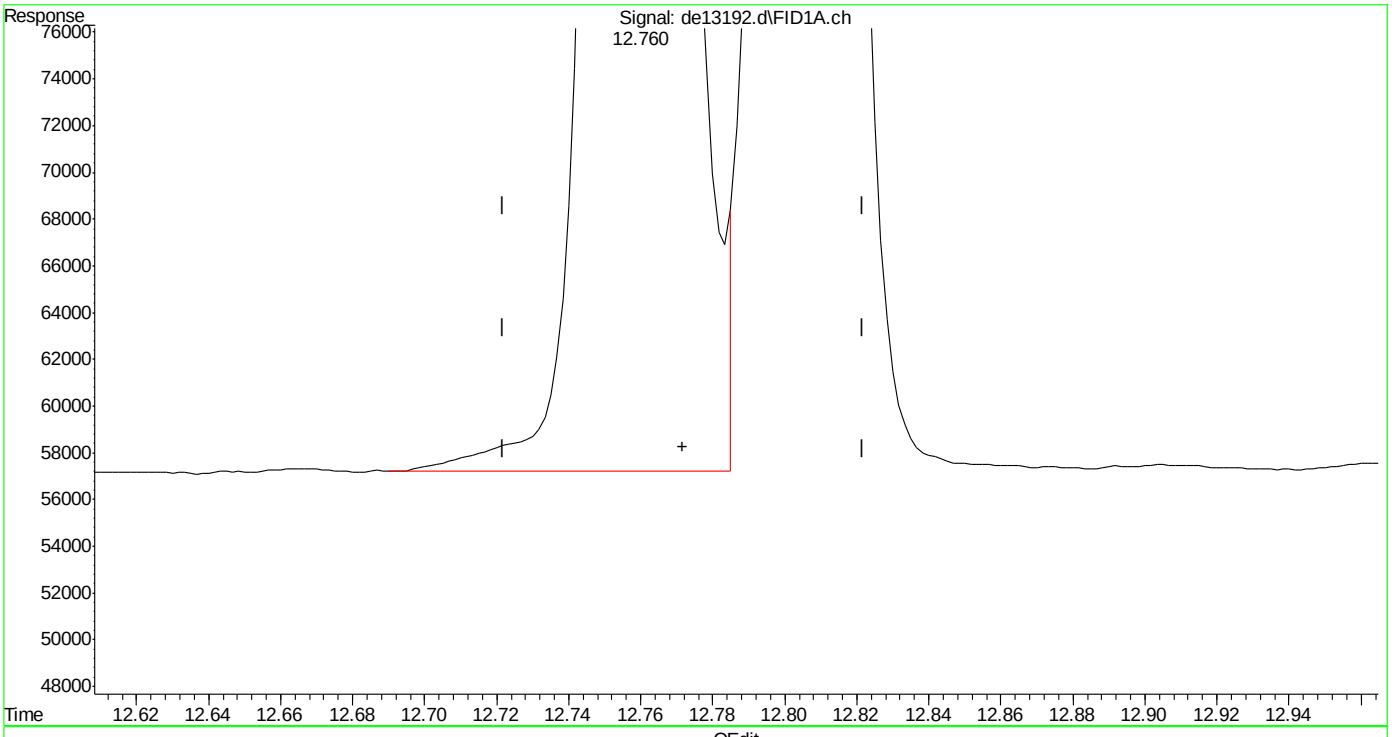
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.760min 2.018 µg/ml
response 198598

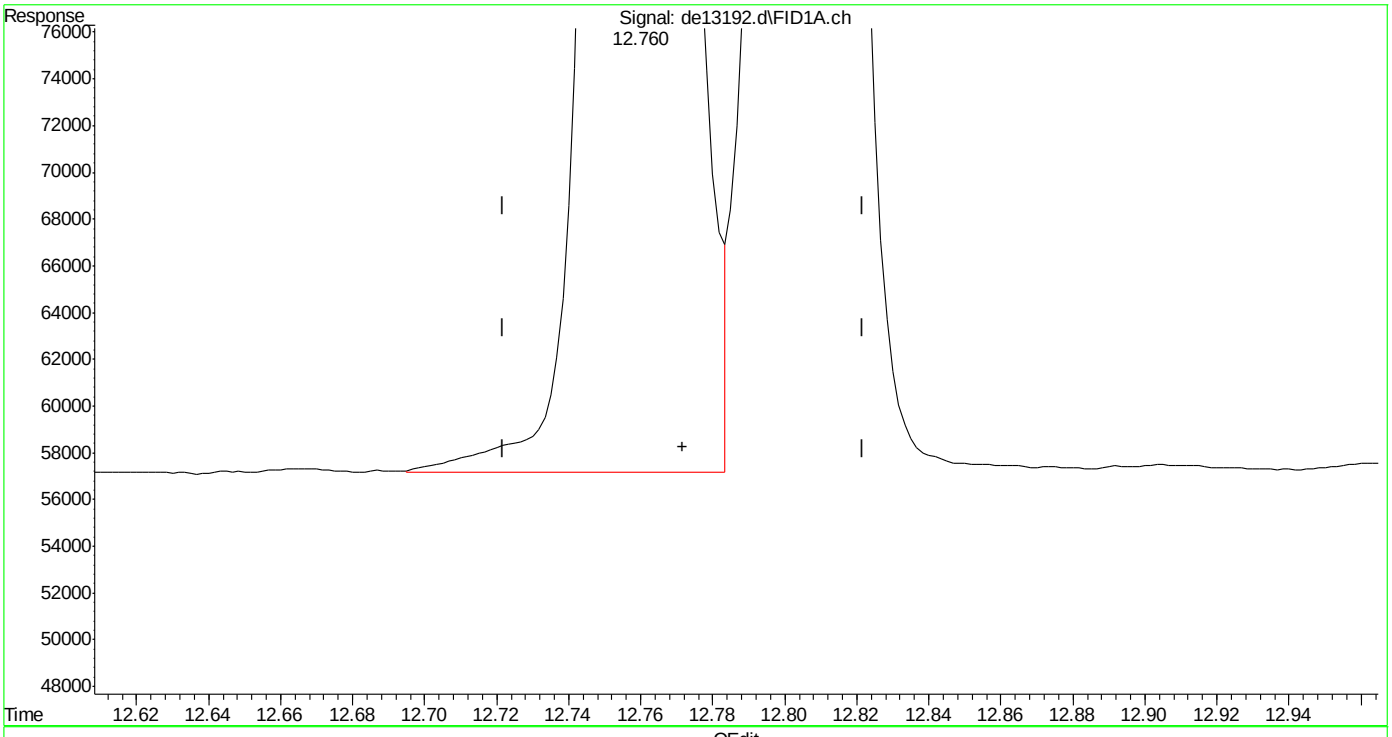
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.760min 2.010 µg/ml m
response 197822

(+) = Expected Retention Time

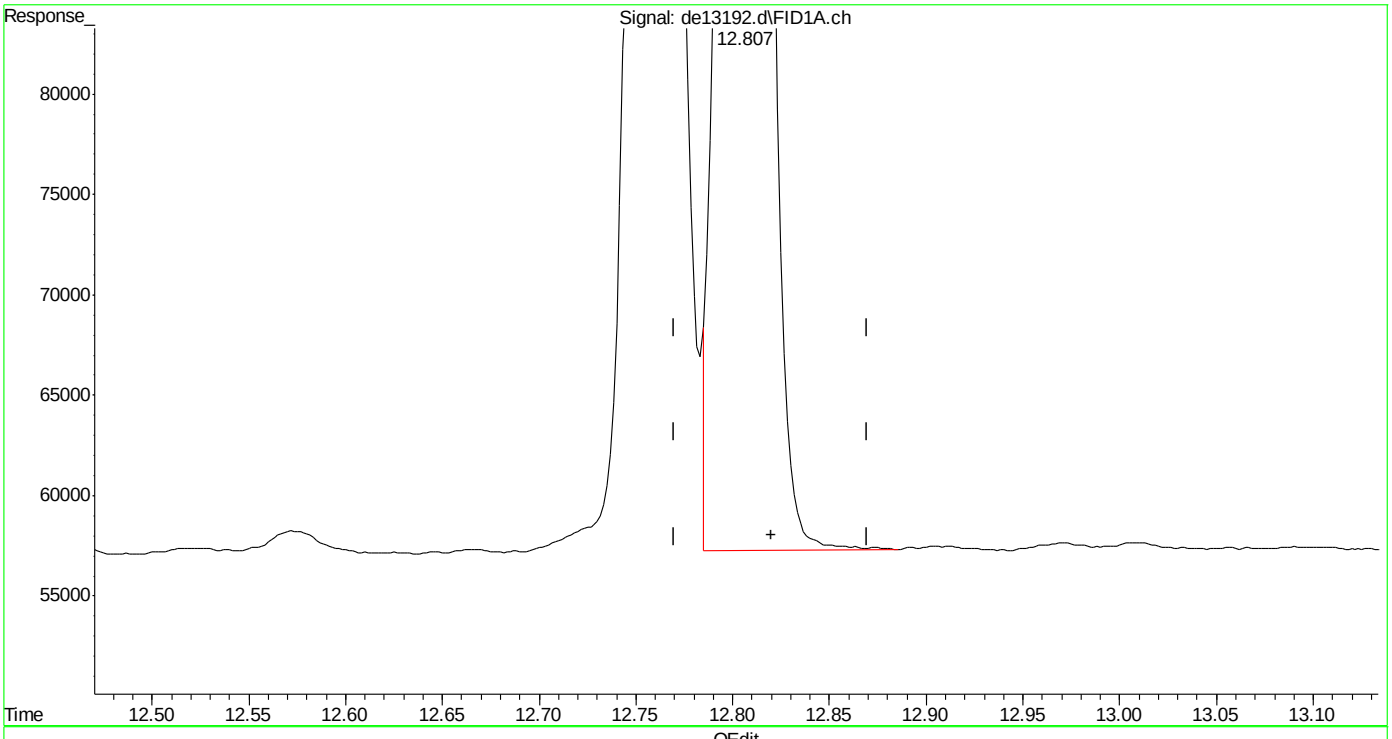
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.807min 1.977 µg/ml
response 196356

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:39:49 2016

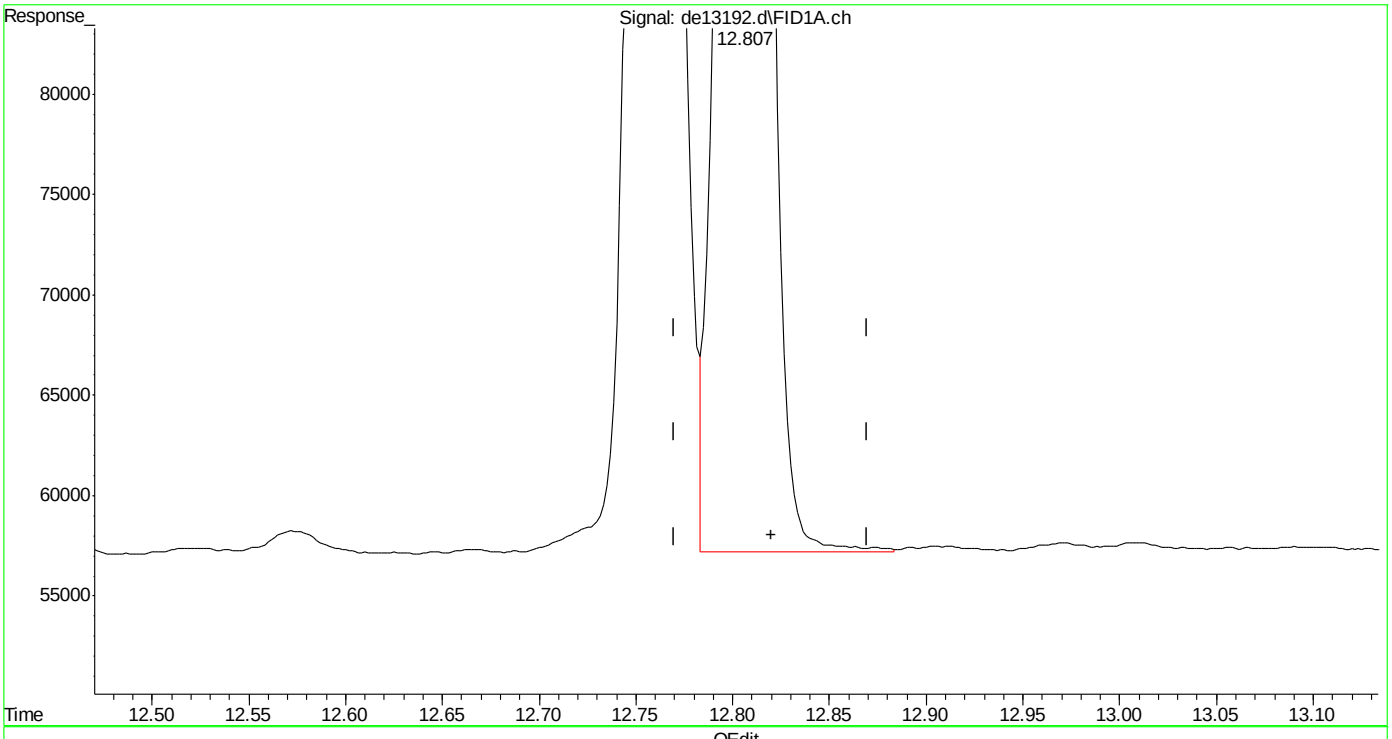
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.807min 1.992 µg/ml m
response 197927

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:40:19 2016

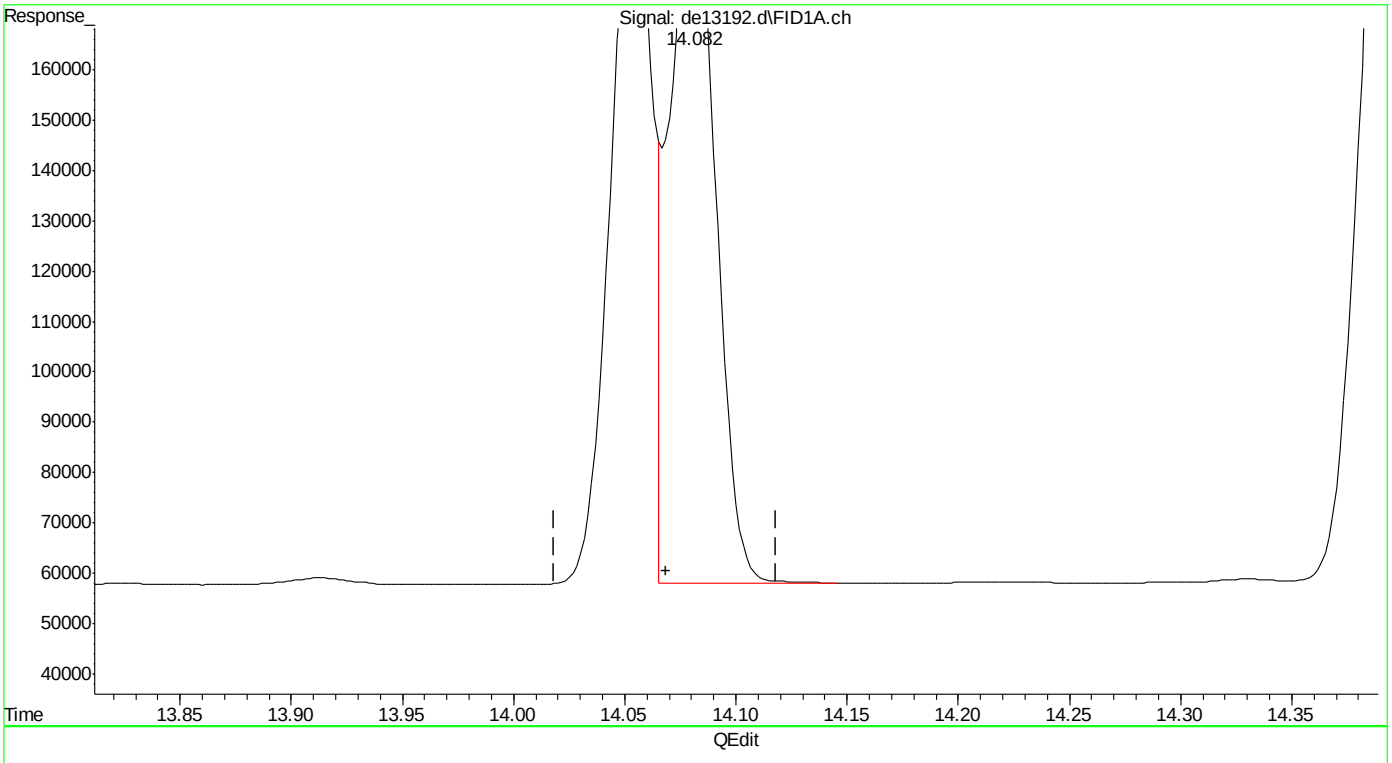
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.082min 1.990 µg/ml
response 202408

(+) = Expected Retention Time

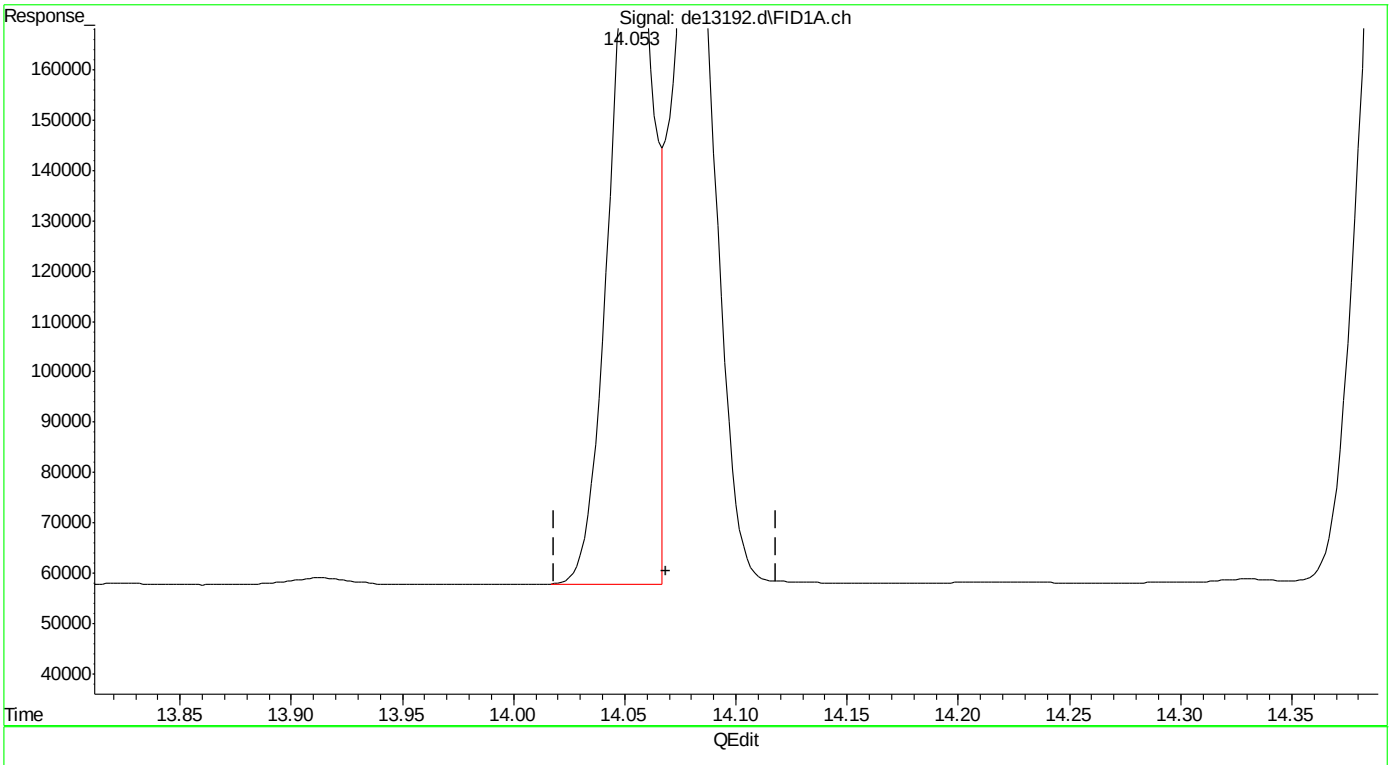
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.053min 1.943 µg/ml m
response 197572

(+) = Expected Retention Time

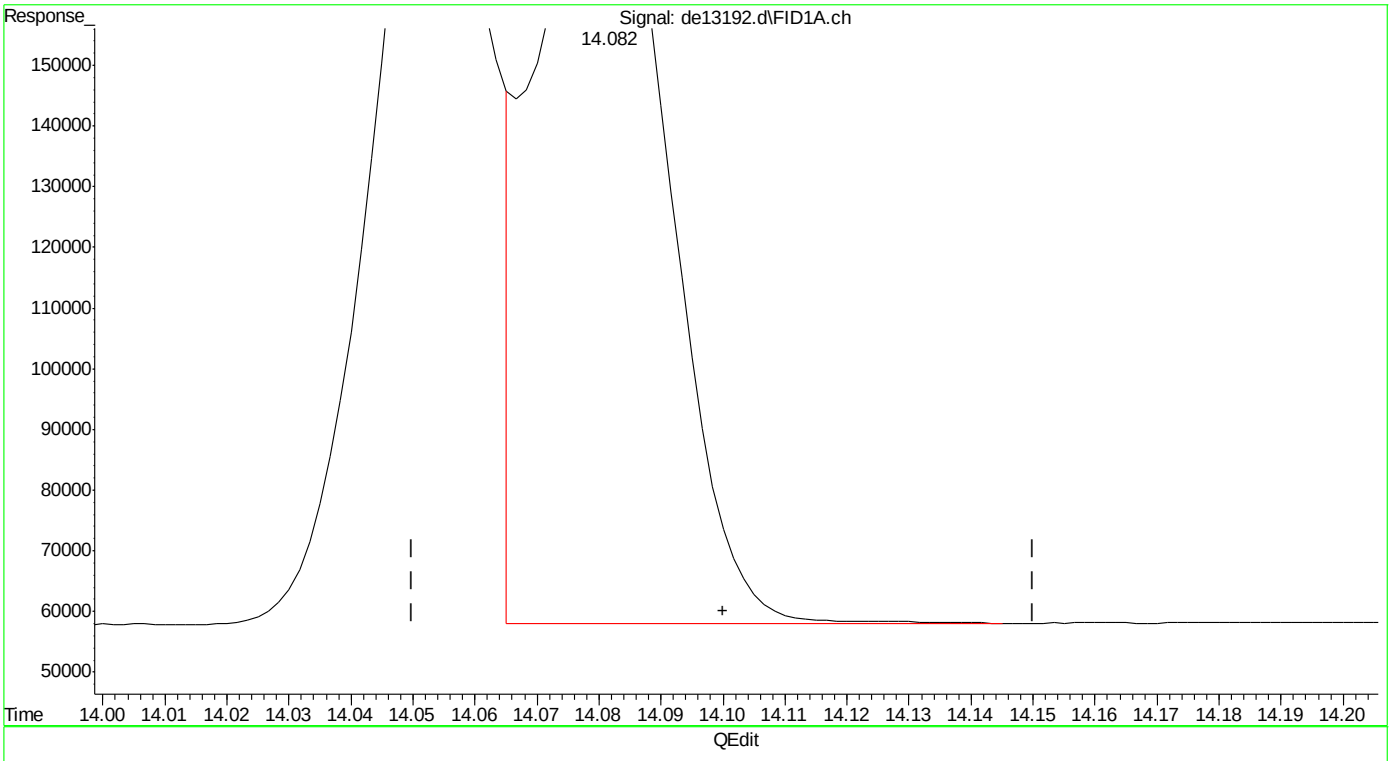
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.082min 2.077 µg/ml
response 202408

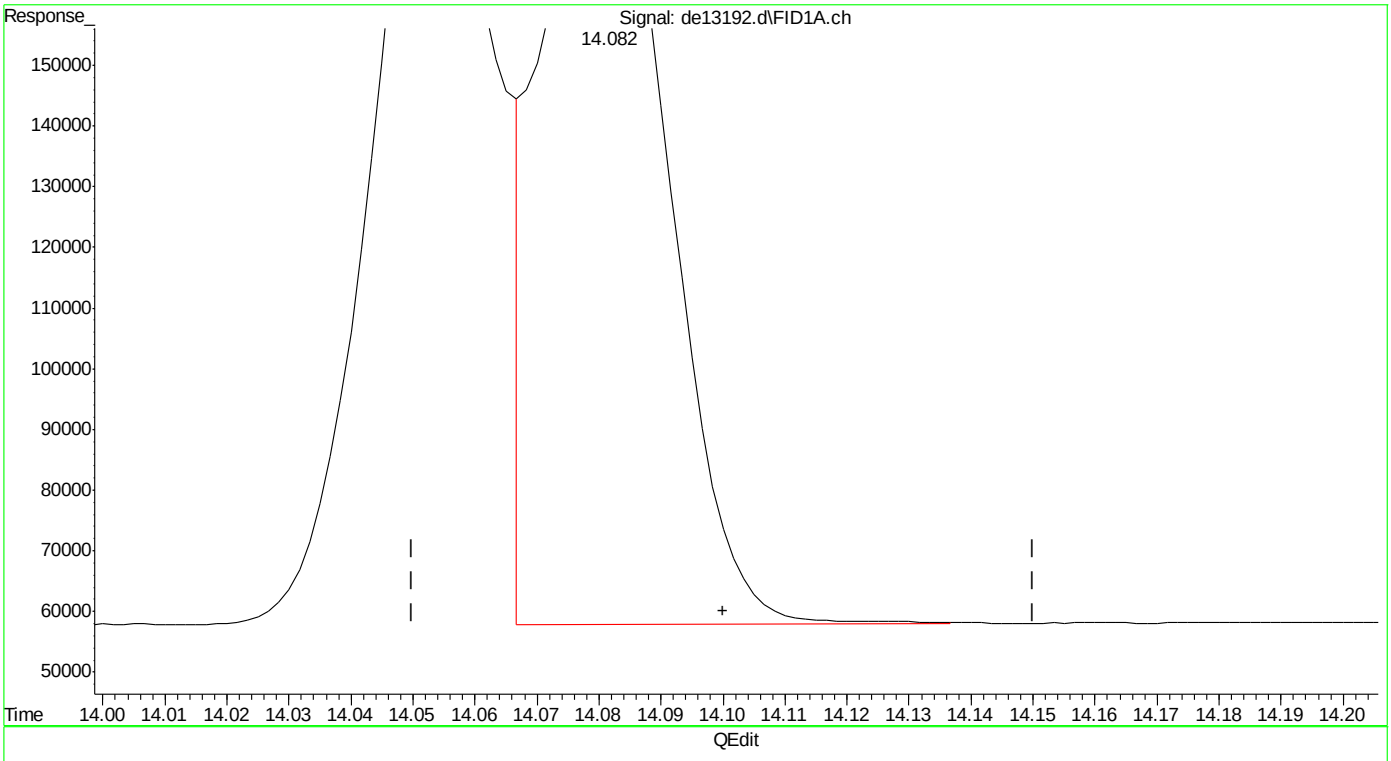
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.082min 1.989 µg/ml m
response 193855

(+) = Expected Retention Time

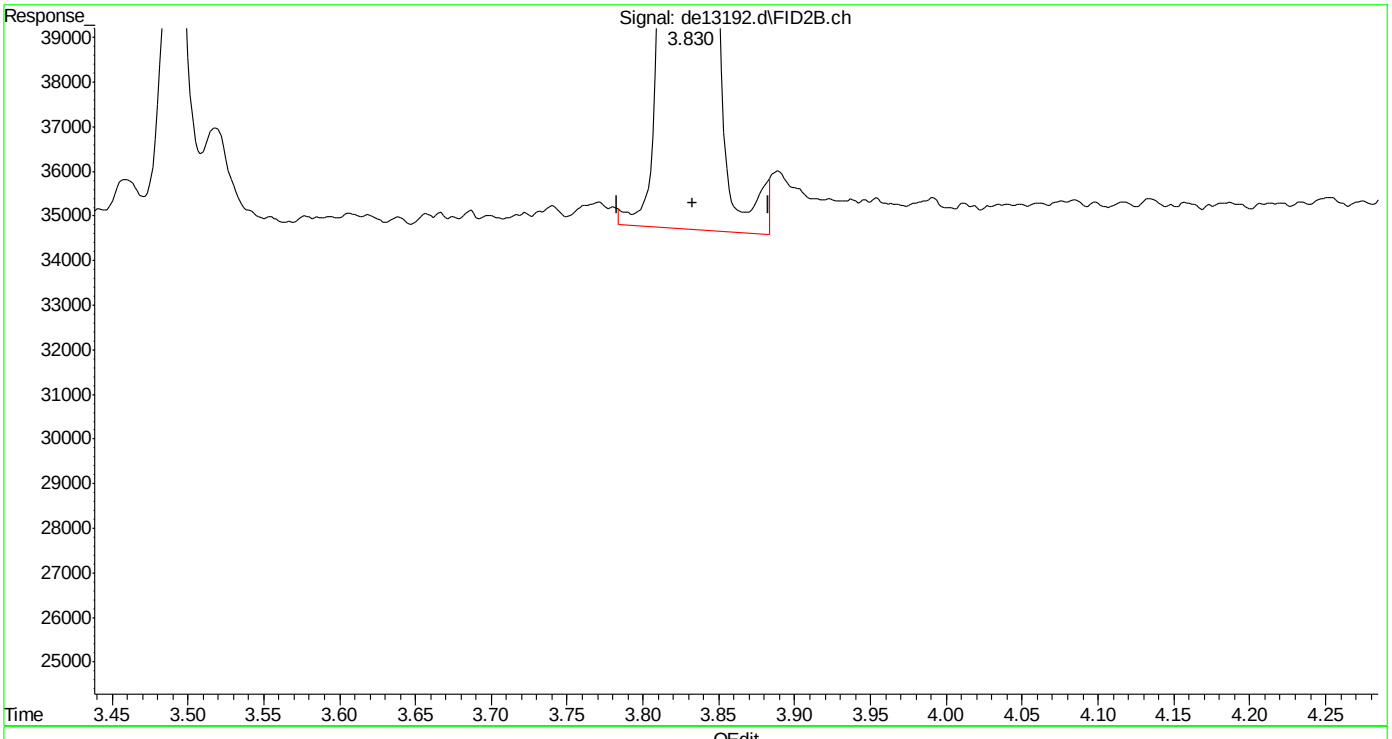
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) c-10 (h)
3.833min 2.166 µg/ml
response 160700

(+) = Expected Retention Time

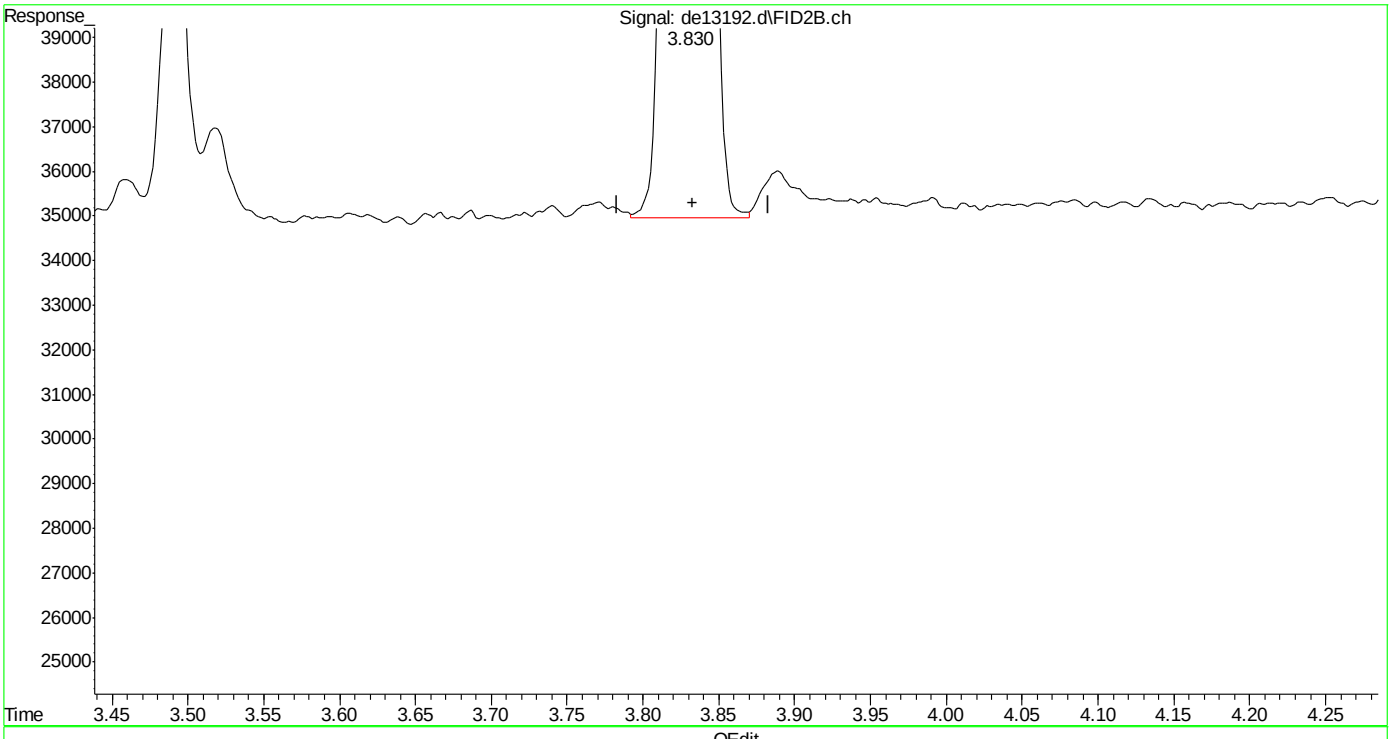
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) c-10 (h)
3.833min 2.139 µg/ml m
response 158649

(+) = Expected Retention Time

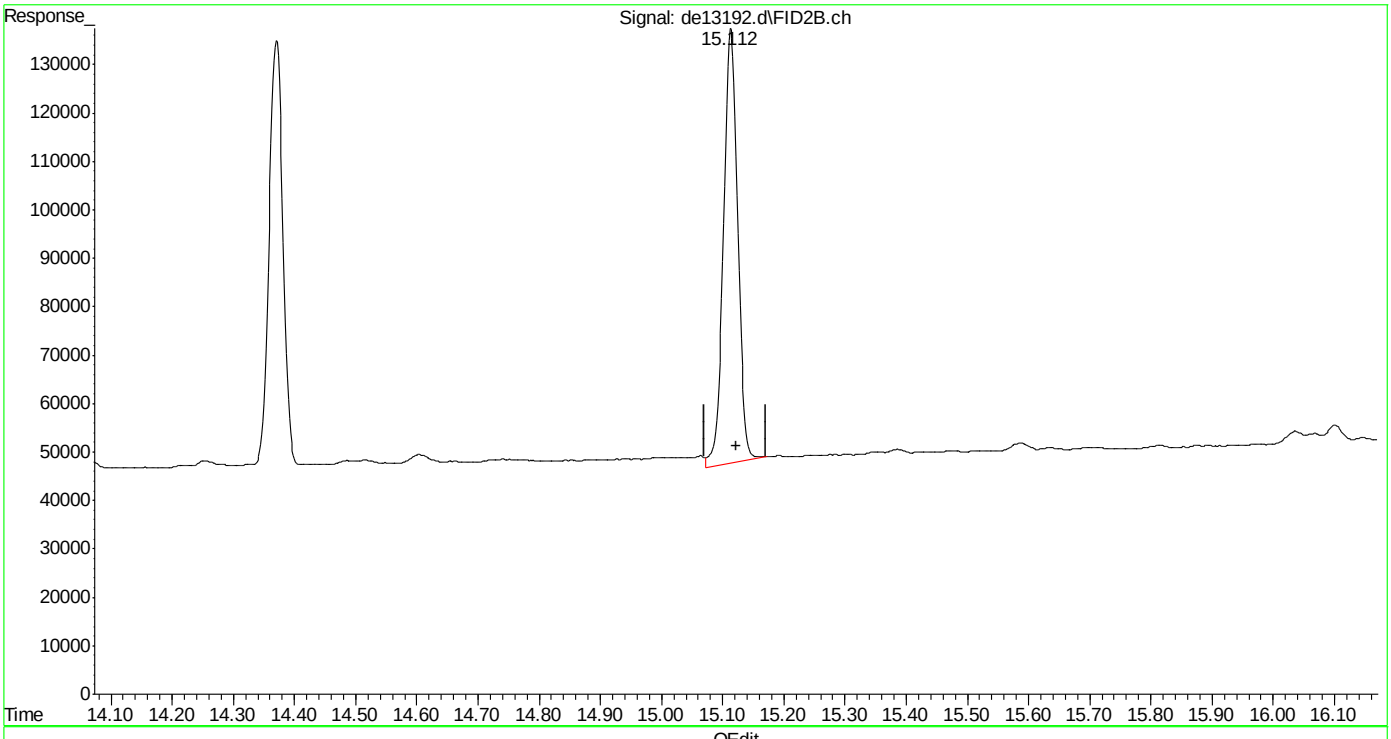
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 2.133 µg/ml
response 145740

(+) = Expected Retention Time

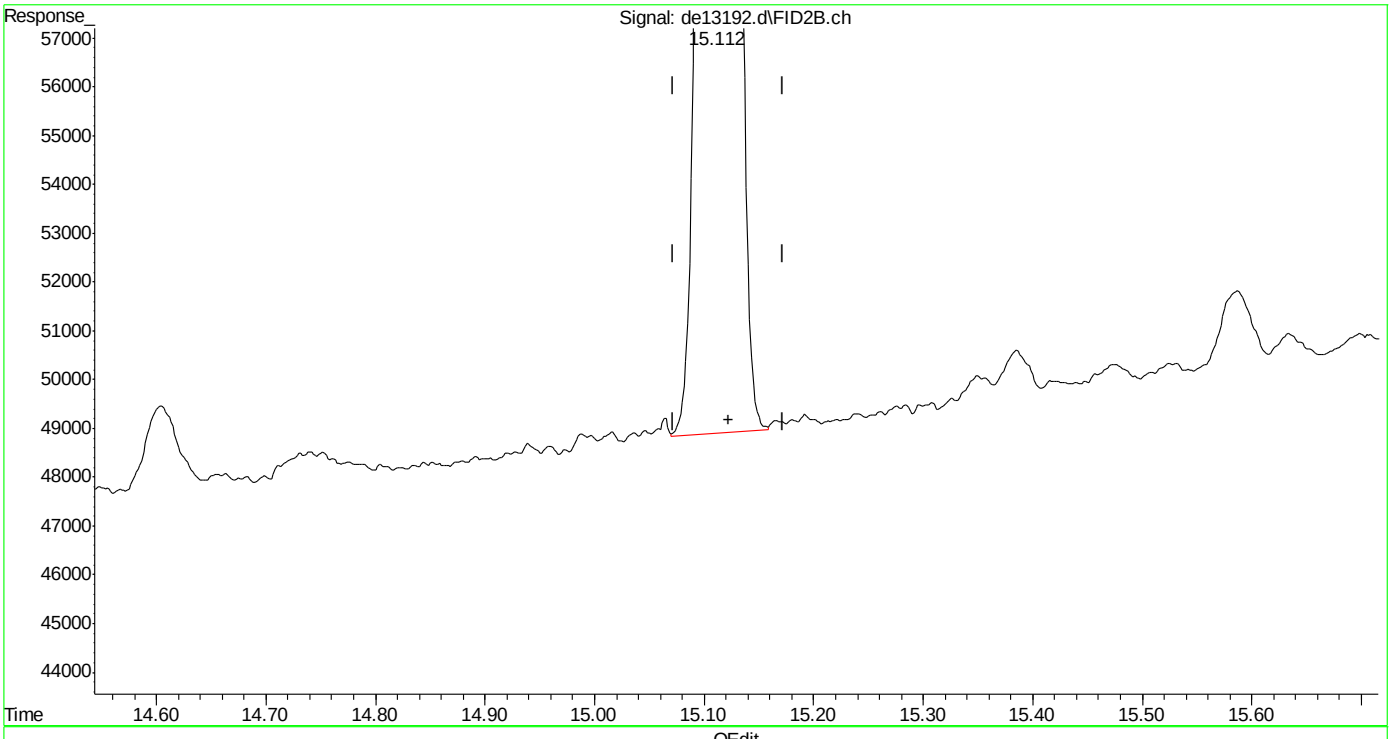
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 2.037 µg/ml m
response 139197

(+) = Expected Retention Time

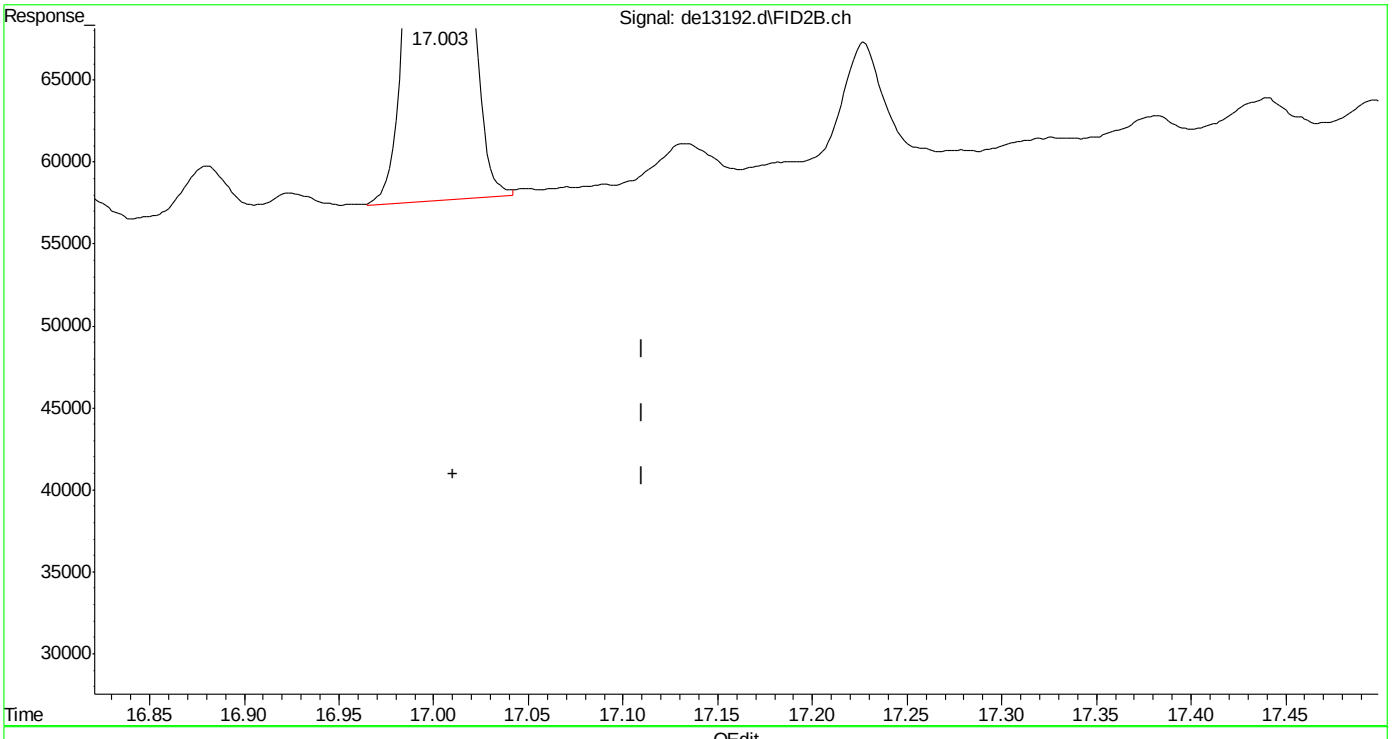
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(41) c-36 (h)
17.010min 1.930 µg/ml m
response 119416

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:46:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.800	466222	4.822 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 24.11%		
6) s 2-bromonaphthalene	7.532	318410	4.852 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 24.26%		
11) s o-terphenyl	10.078	516185	4.888 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 24.44%		
35) s 1-chlorooctadecane	11.248	298238	5.342 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 26.71%		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	9069374	5.748 µg/mlm
2) naphthalene	5.352	522941	4.813 µg/ml
3) 2-methylnaphthalene	6.250	518620	4.819 µg/ml
5) acenaphthylene	7.367	513706	4.852 µg/ml
7) acenaphthene	7.608	524765	4.857 µg/ml
8) fluorene	8.252	515691	4.866 µg/ml
9) phenanthrene	9.435	514273	4.881 µg/ml
10) anthracene	9.492	492058	5.024 µg/ml
12) fluoranthene	10.942	501463	4.866 µg/ml
13) pyrene	11.200	505877	4.848 µg/ml
14) benzo(a)anthracene	12.762	484563	4.921 µg/mlm
15) chrysene	12.807	488834	4.923 µg/mlm
16) benzo(B)fluoranthene	14.055	499942	4.931 µg/mlm
17) benzo(k)fluoranthene	14.085	474469	4.875 µg/mlm
18) benzo(a)pyrene	14.390	464216	4.850 µg/ml
19) indeno(1,2,3-cd)pyrene	15.525	472235	4.822 µg/mlm
20) dibenzo(ah)anthracene	15.572	466623	4.975 µg/mlm
21) benzo(ghi)perylene	15.745	463653	4.908 µg/ml
25) h c-9	2.680	396890	5.301 µg/mlm
26) h c-10	3.833	401630	5.322 µg/ml
27) naphthalene #2	5.510	427200	5.413 µg/ml
28) c-12	5.685	398273	5.304 µg/ml
29) 2-methylnaphthalene #2	6.403	429906	5.303 µg/ml
30) c-14	7.202	396429	5.271 µg/ml
31) c-16	8.532	389860	5.199 µg/ml
32) c-18	9.725	383929	5.164 µg/ml
33) c-19	10.282	381074	5.280 µg/ml
34) c-20	10.812	369620	5.213 µg/ml
36) c-22	11.808	364434	5.218 µg/ml
37) c-24	12.727	339349	5.097 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:46:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
38)		c-26	13.578	359561	5.194 µg/ml
39)		c-28	14.372	345810	5.152 µg/ml
40)	h	c-30	15.122	345750	5.036 µg/mlm
41)	h	c-36	17.010	300895	4.906 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

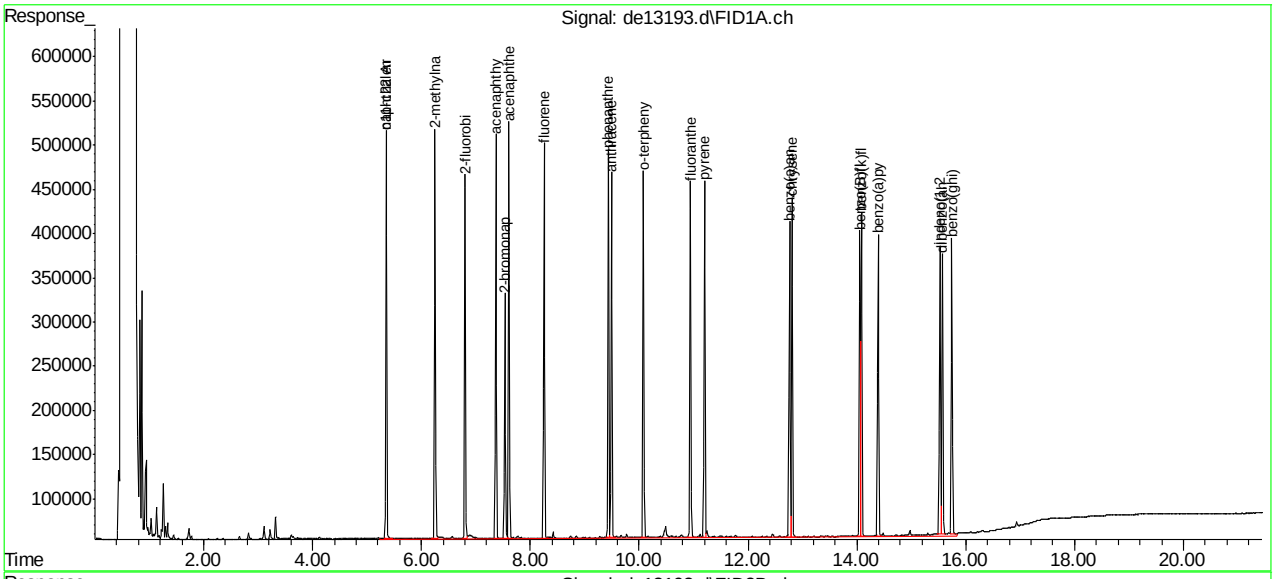
SGS ACCUTEST MC45754

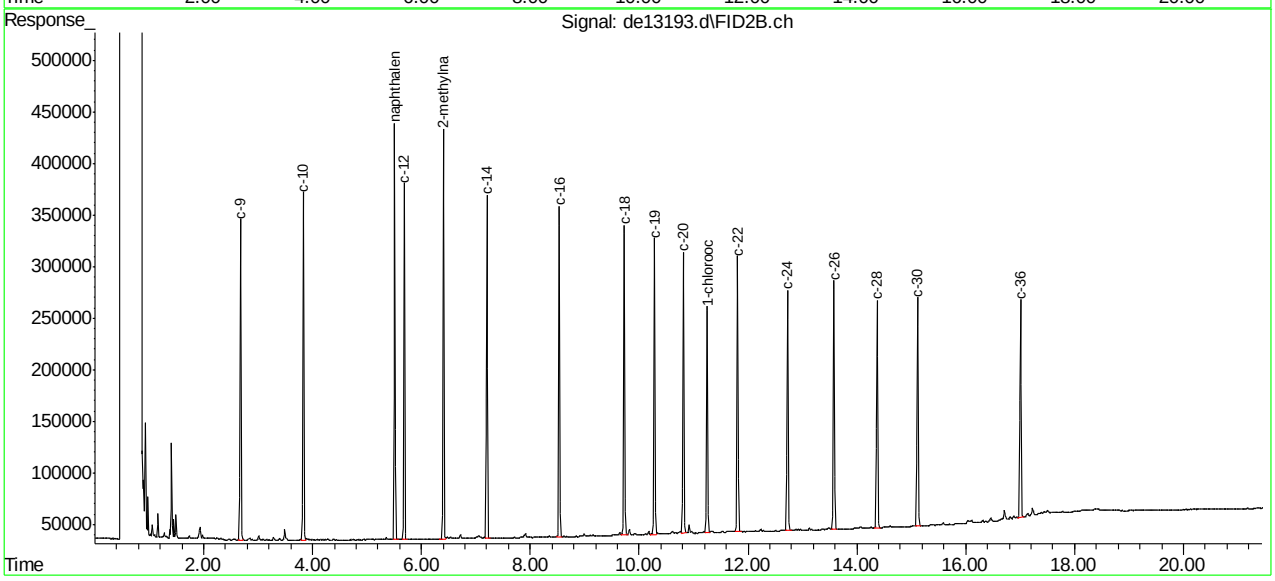
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

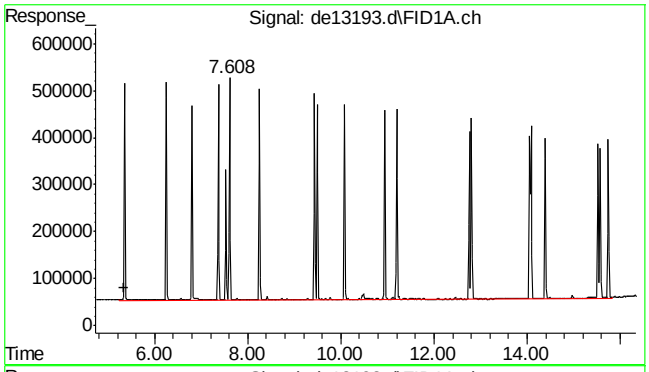
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:46:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



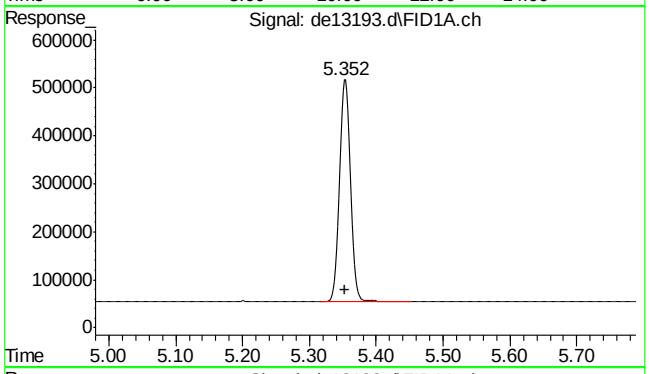


SGS ACCUTEST MC45754



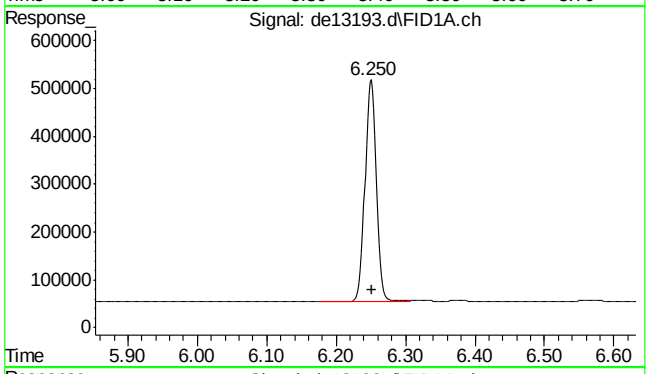
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 9069374
Conc: 5.75 µg/ml m



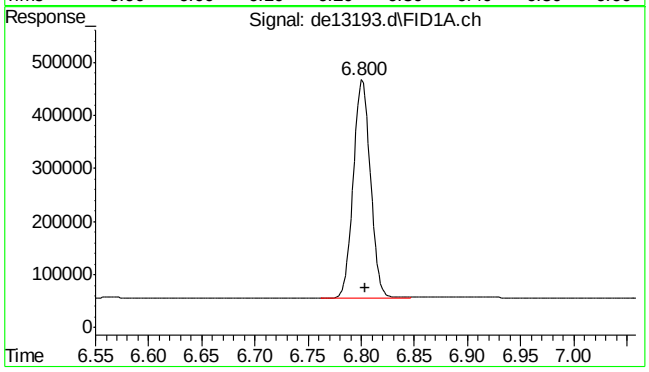
#2 naphthalene

R.T.: 5.352 min
Delta R.T.: -0.002 min
Response: 522941
Conc: 4.81 µg/ml



#3 2-methylnaphthalene

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 518620
Conc: 4.82 µg/ml



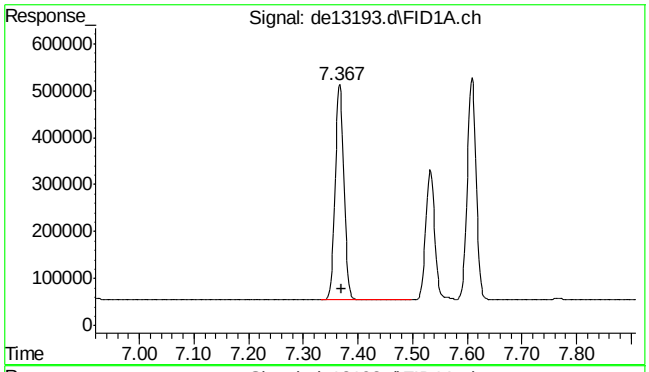
#4 2-fluorobiphenyl

R.T.: 6.800 min
Delta R.T.: -0.003 min
Response: 466222
Conc: 4.82 µg/ml

9.4.3

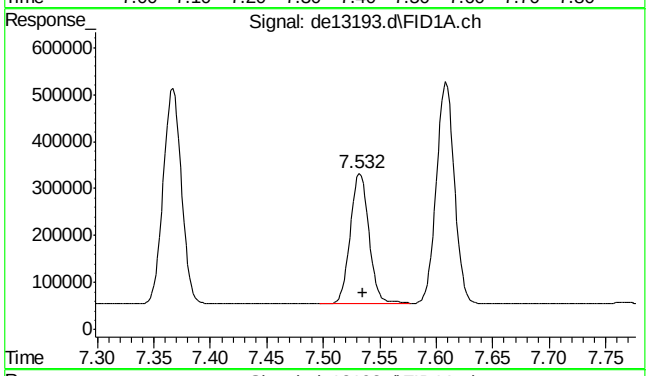
9

SGS ACCUTEST MC45754



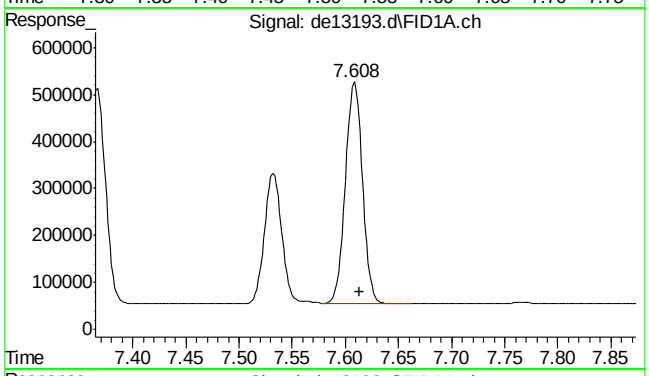
#5 acenaphthylene

R.T.: 7.367 min
Delta R.T.: -0.003 min
Response: 513706
Conc: 4.85 µg/ml



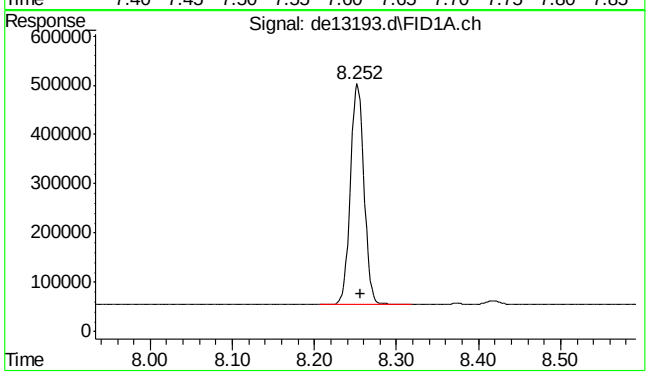
#6 2-bromonaphthalene

R.T.: 7.532 min
Delta R.T.: -0.003 min
Response: 318410
Conc: 4.85 µg/ml



#7 acenaphthene

R.T.: 7.608 min
Delta R.T.: -0.005 min
Response: 524765
Conc: 4.86 µg/ml



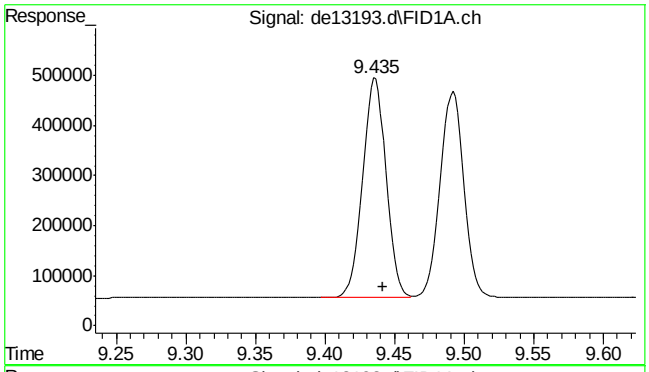
#8 fluorene

R.T.: 8.252 min
Delta R.T.: -0.005 min
Response: 515691
Conc: 4.87 µg/ml

9.4.3

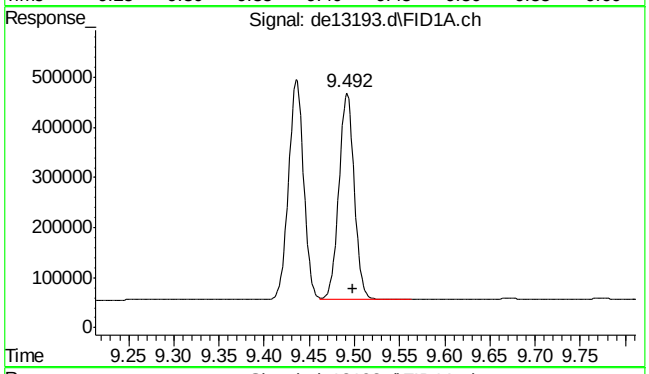
9

SGS ACCUTEST MC45754



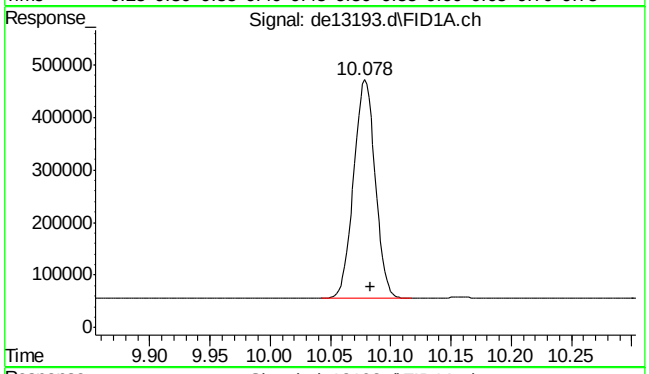
#9 phenanthrene

R.T.: 9.435 min
Delta R.T.: -0.007 min
Response: 514273
Conc: 4.88 µg/ml



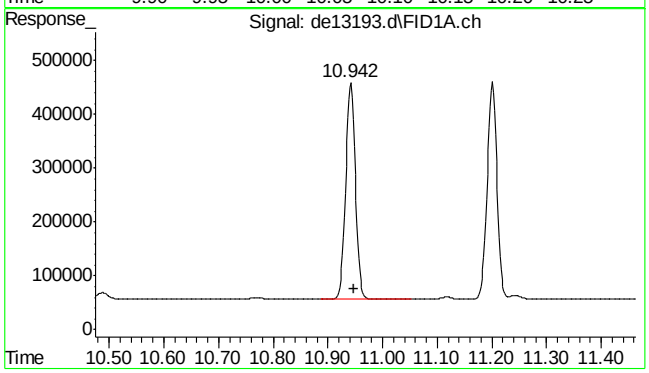
#10 anthracene

R.T.: 9.492 min
Delta R.T.: -0.007 min
Response: 492058
Conc: 5.02 µg/ml



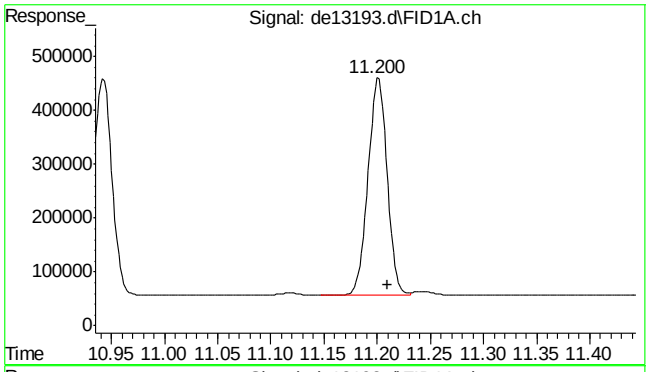
#11 o-terphenyl

R.T.: 10.078 min
Delta R.T.: -0.005 min
Response: 516185
Conc: 4.89 µg/ml



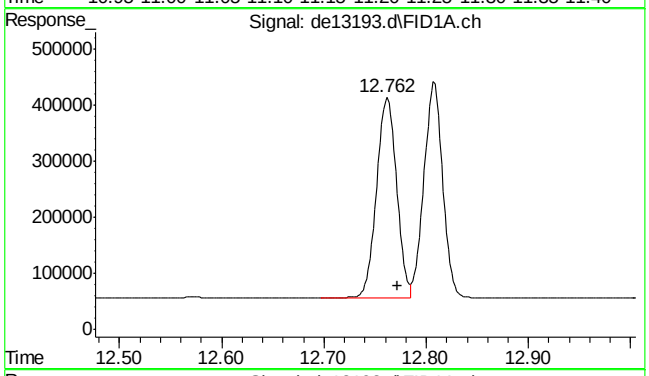
#12 fluoranthene

R.T.: 10.942 min
Delta R.T.: -0.007 min
Response: 501463
Conc: 4.87 µg/ml



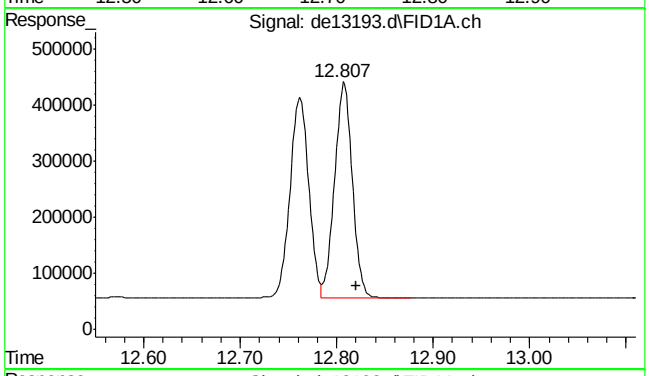
#13 pyrene

R.T.: 11.200 min
Delta R.T.: -0.010 min
Response: 505877
Conc: 4.85 µg/ml



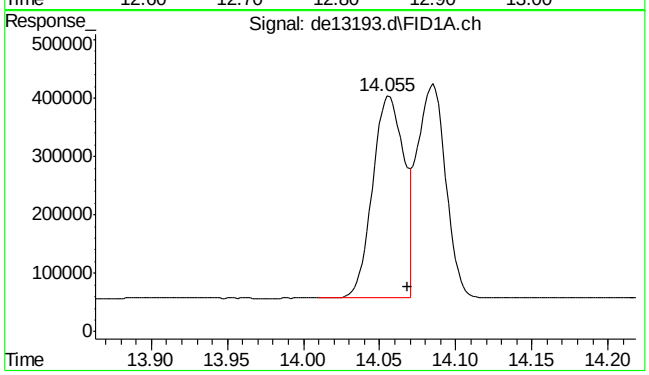
#14 benzo(a)anthracene

R.T.: 12.762 min
Delta R.T.: -0.010 min
Response: 484563
Conc: 4.92 µg/ml m



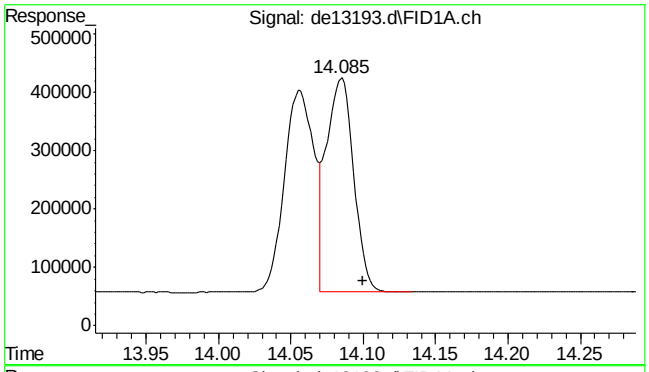
#15 chrysene

R.T.: 12.807 min
Delta R.T.: -0.013 min
Response: 488834
Conc: 4.92 µg/ml m



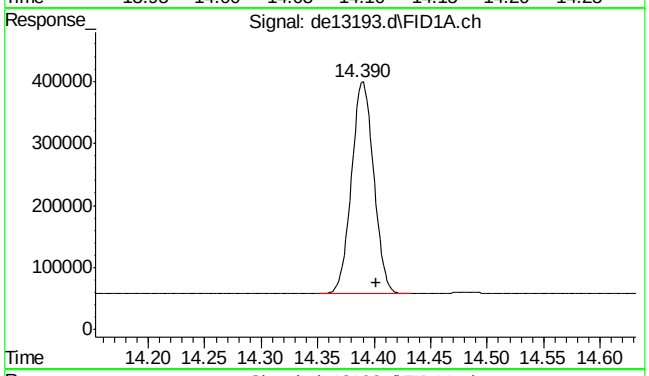
#16 benzo(B)fluoranthene

R.T.: 14.055 min
Delta R.T.: -0.013 min
Response: 499942
Conc: 4.93 µg/ml m



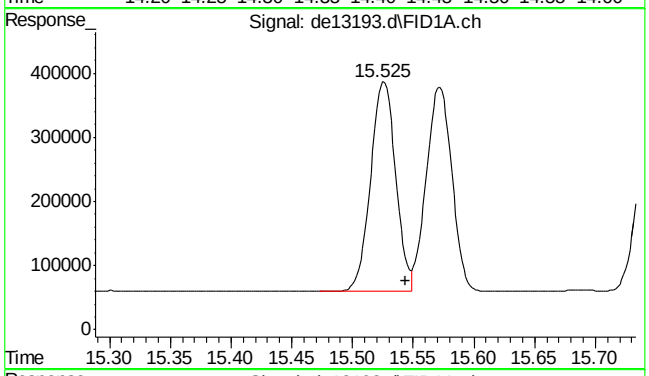
#17 benzo(k)fluoranthene

R.T.: 14.085 min
Delta R.T.: -0.015 min
Response: 474469
Conc: 4.88 µg/ml m



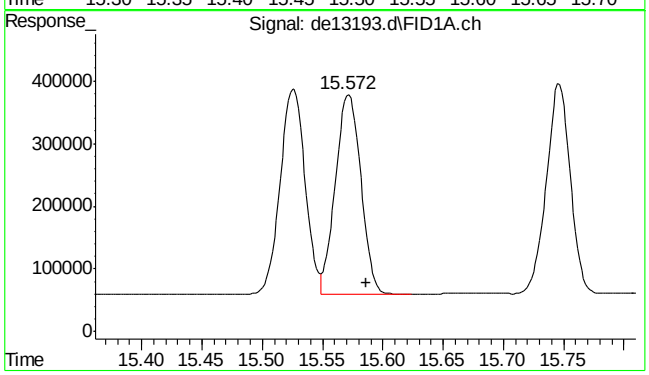
#18 benzo(a)pyrene

R.T.: 14.390 min
Delta R.T.: -0.012 min
Response: 464216
Conc: 4.85 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.525 min
Delta R.T.: -0.018 min
Response: 472235
Conc: 4.82 µg/ml m



#20 dibenzo(ah)anthracene

R.T.: 15.572 min
Delta R.T.: -0.015 min
Response: 466623
Conc: 4.97 µg/ml m

9.4.3

9

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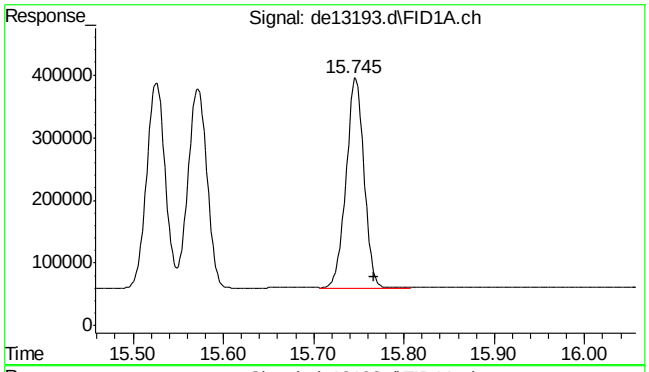
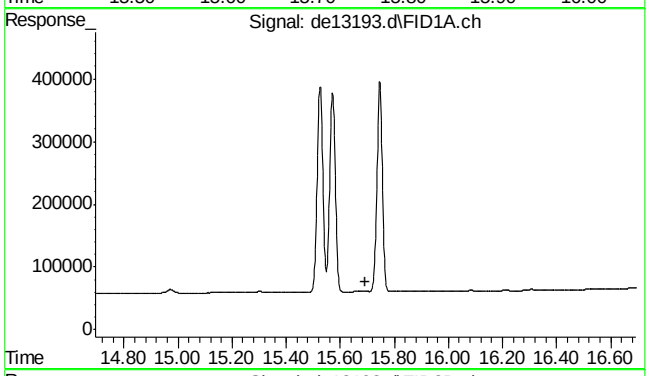


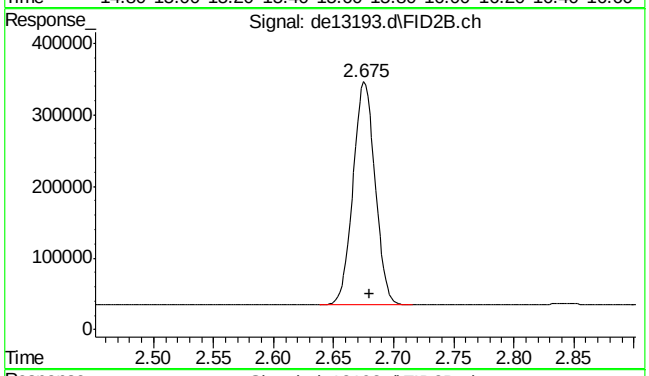
#21 benzo(ghi)perylene

R.T.: 15.745 min
Delta R.T.: -0.022 min
Response: 463653
Conc: 4.91 µg/ml



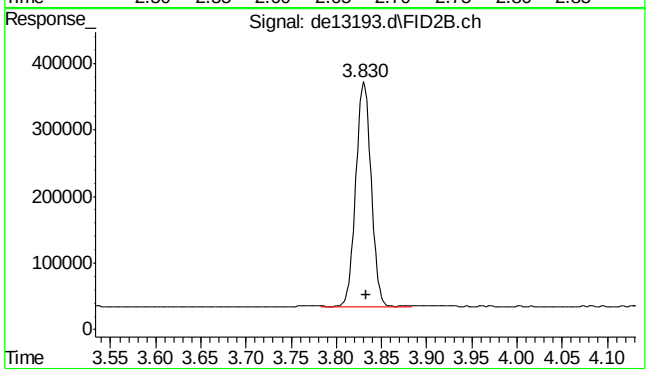
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 396890
Conc: 5.30 µg/ml m



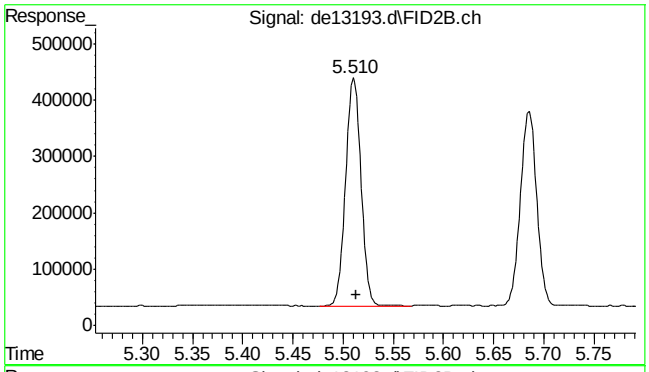
#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 401630
Conc: 5.32 µg/ml

9.4.3

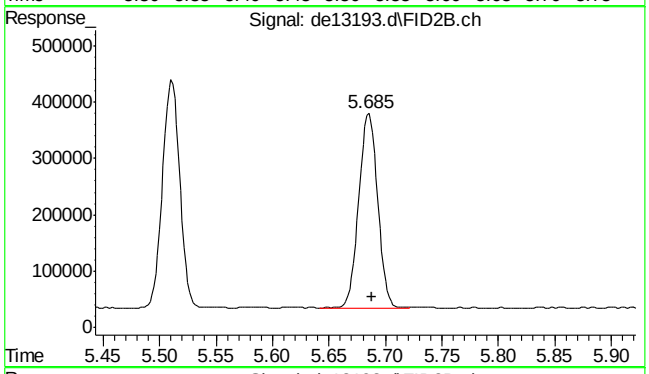
9

SGS ACCUTEST MC45754



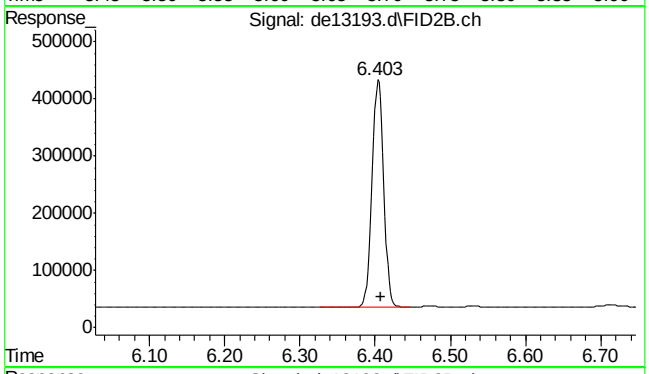
#27 naphthalene #2

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 427200
Conc: 5.41 µg/ml



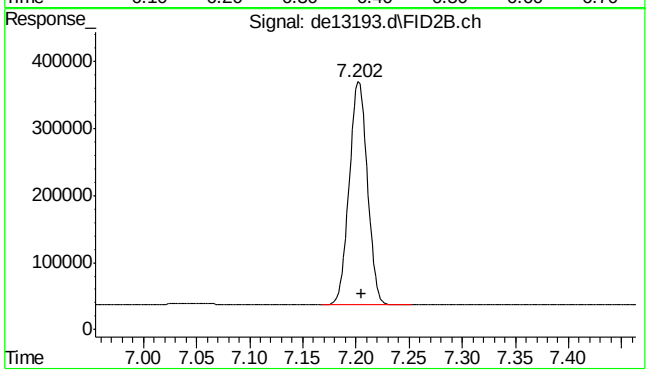
#28 c-12

R.T.: 5.685 min
Delta R.T.: -0.003 min
Response: 398273
Conc: 5.30 µg/ml



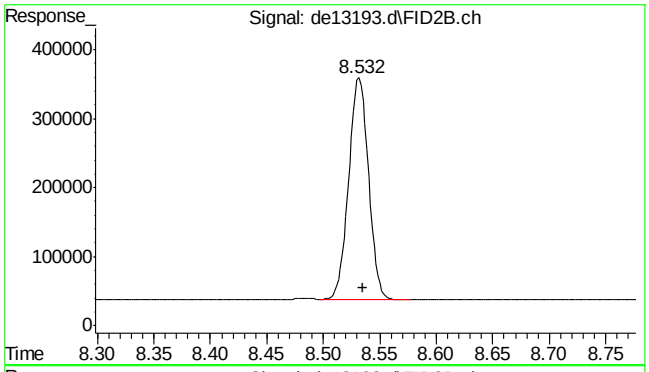
#29 2-methylnaphthalene #2

R.T.: 6.403 min
Delta R.T.: -0.005 min
Response: 429906
Conc: 5.30 µg/ml



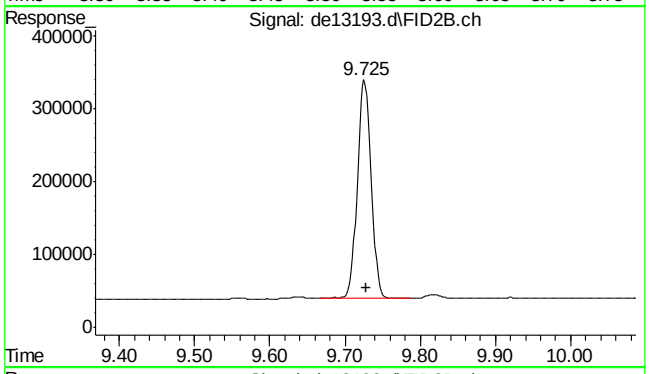
#30 c-14

R.T.: 7.202 min
Delta R.T.: -0.003 min
Response: 396429
Conc: 5.27 µg/ml



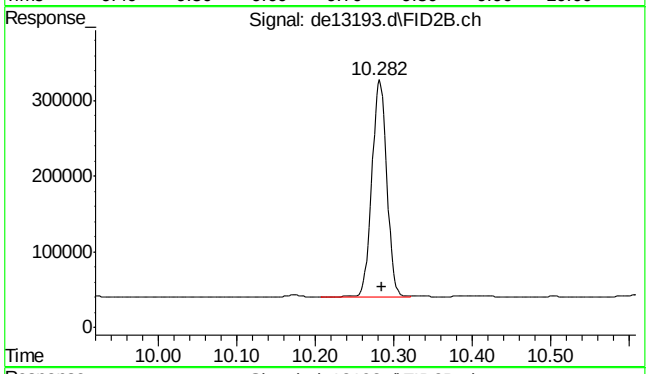
#31 c-16

R.T.: 8.532 min
Delta R.T.: -0.003 min
Response: 389860
Conc: 5.20 µg/ml



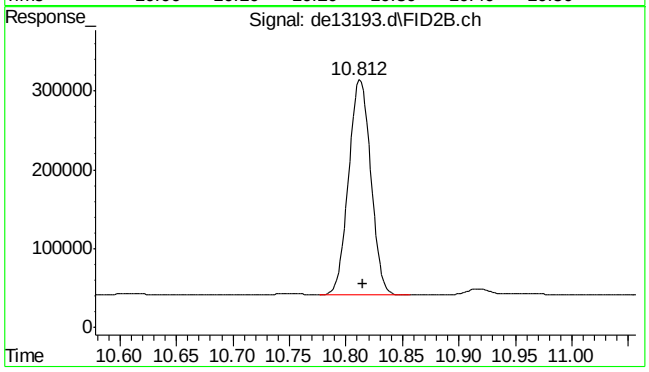
#32 c-18

R.T.: 9.725 min
Delta R.T.: -0.003 min
Response: 383929
Conc: 5.16 µg/ml



#33 c-19

R.T.: 10.282 min
Delta R.T.: -0.003 min
Response: 381074
Conc: 5.28 µg/ml



#34 c-20

R.T.: 10.812 min
Delta R.T.: -0.003 min
Response: 369620
Conc: 5.21 µg/ml

9.4.3

9

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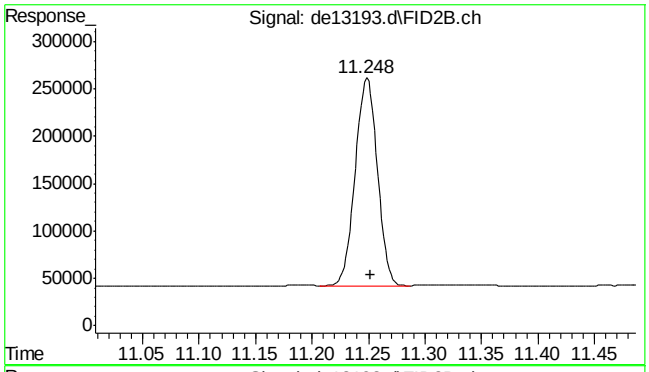
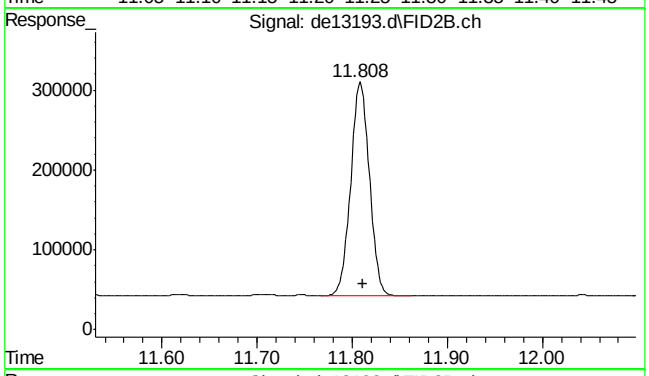


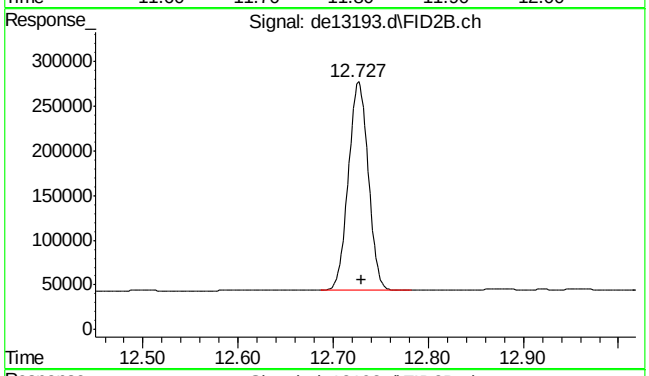
#35 1-chlorooctadecane

R.T.: 11.248 min
Delta R.T.: -0.003 min
Response: 298238
Conc: 5.34 µg/ml



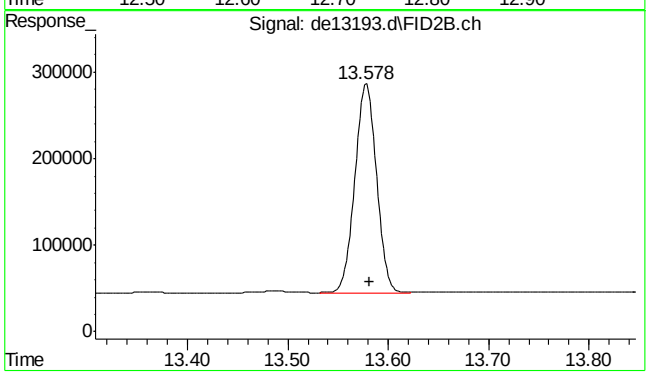
#36 c-22

R.T.: 11.808 min
Delta R.T.: -0.003 min
Response: 364434
Conc: 5.22 µg/ml



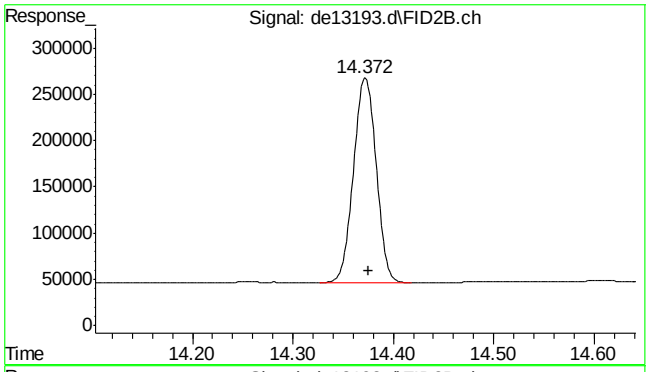
#37 c-24

R.T.: 12.727 min
Delta R.T.: -0.003 min
Response: 339349
Conc: 5.10 µg/ml



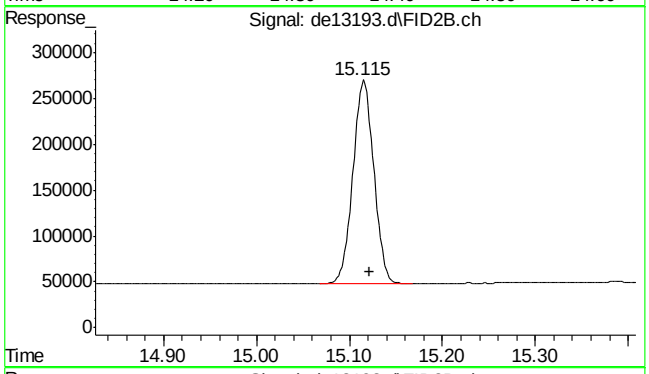
#38 c-26

R.T.: 13.578 min
Delta R.T.: -0.003 min
Response: 359561
Conc: 5.19 µg/ml



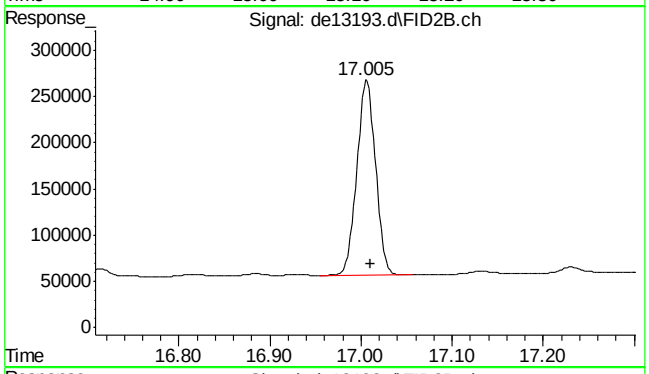
#39 c-28

R.T.: 14.372 min
Delta R.T.: -0.003 min
Response: 345810
Conc: 5.15 µg/ml



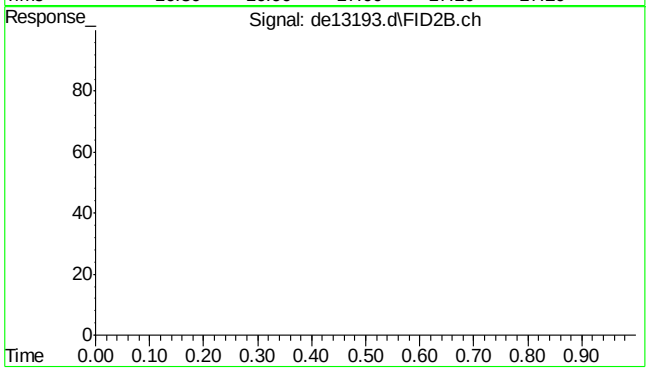
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 345750
Conc: 5.04 µg/ml m



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 300895
Conc: 4.91 µg/ml m



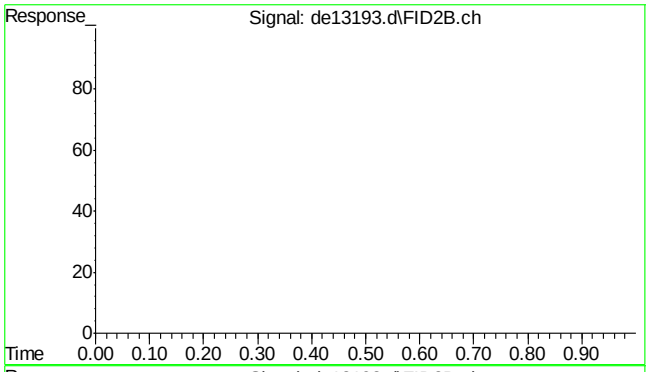
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.3

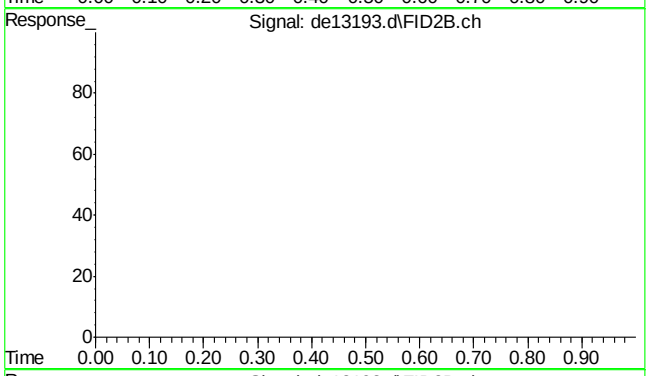
9

SGS ACCUTEST MC45754



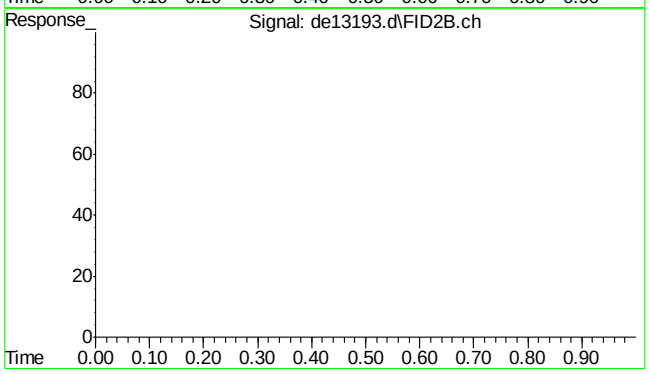
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

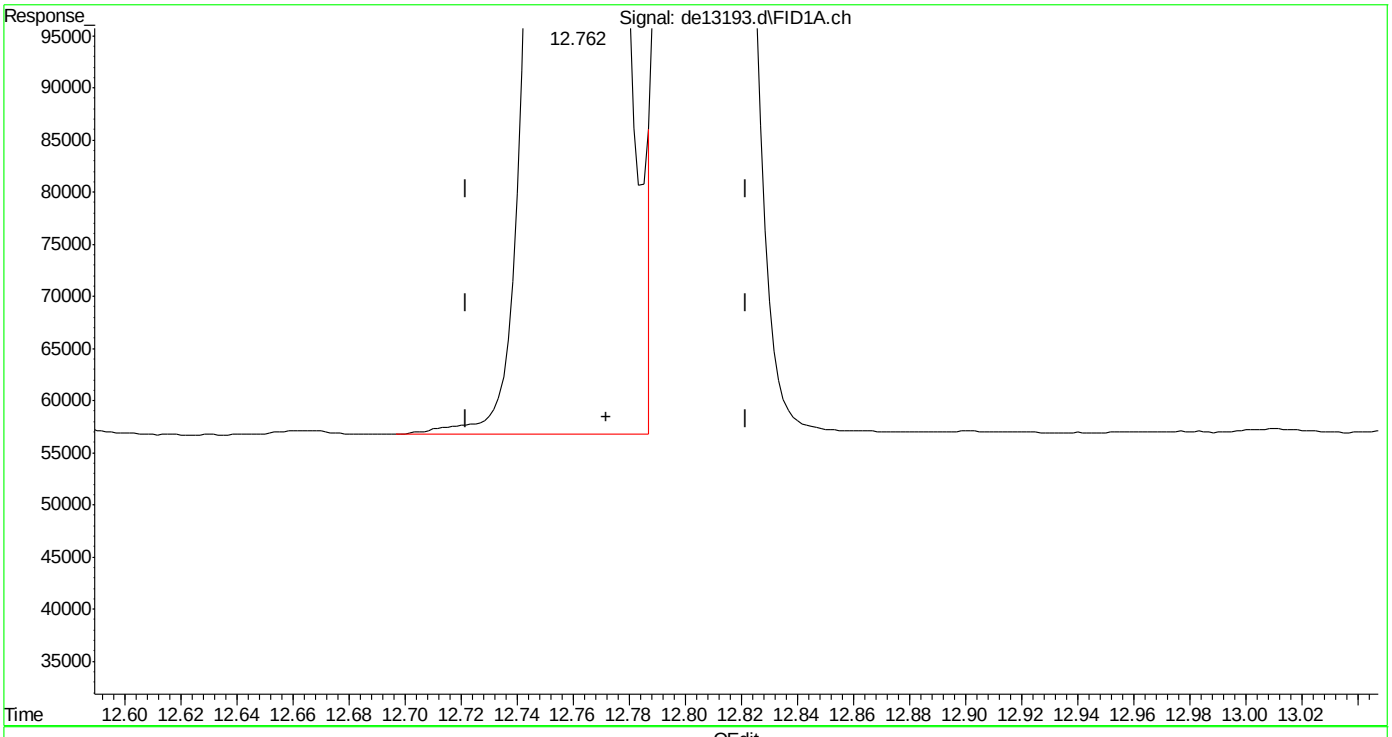
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.762min 4.949 µg/ml
response 487331

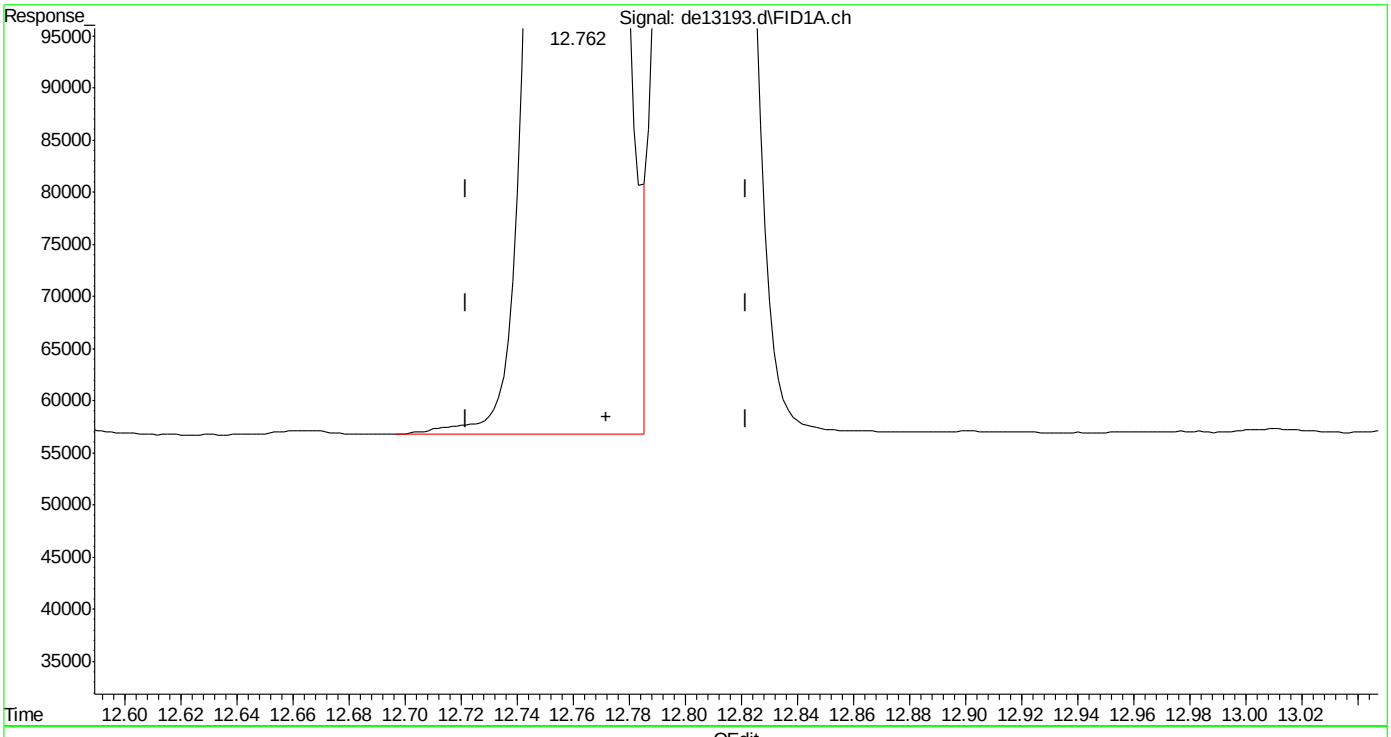
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.762min 4.921 µg/ml m
response 484563

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:43:21 2016

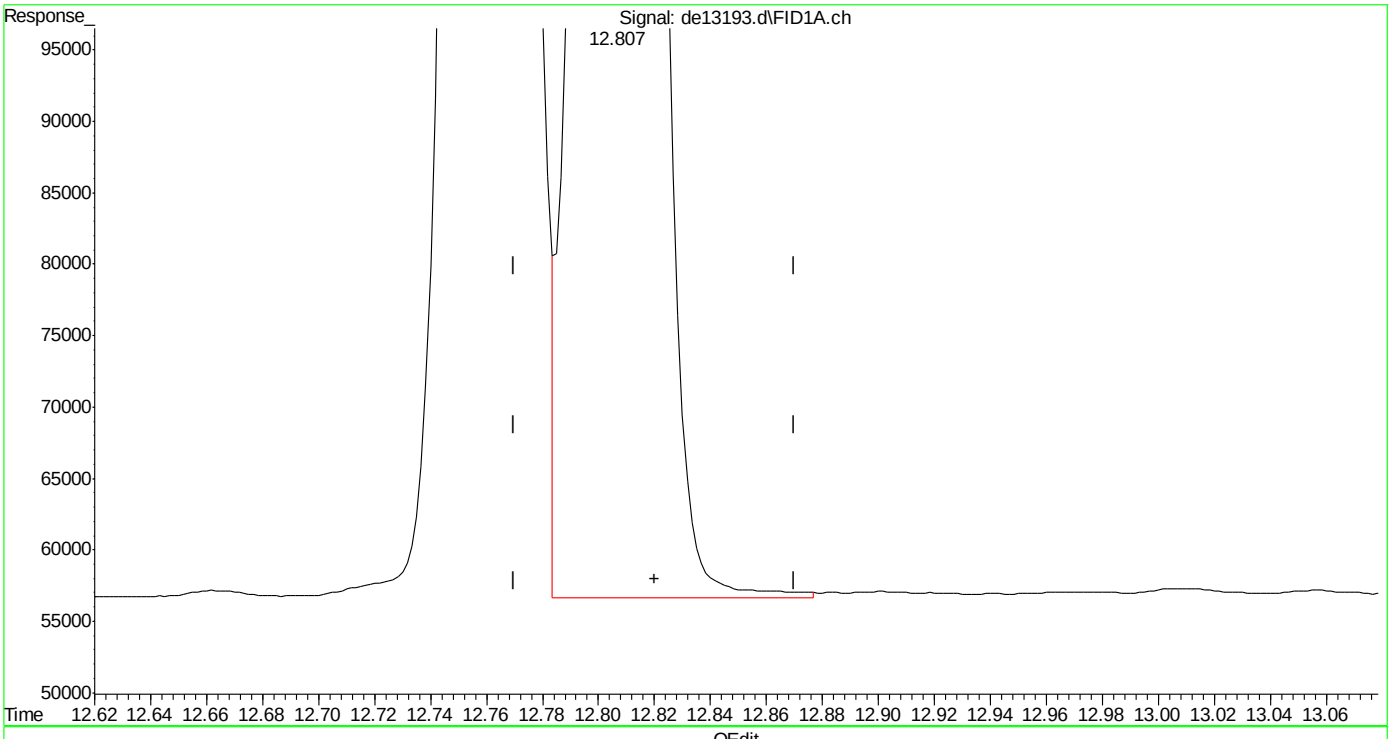
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.807min 4.923 µg/ml m
response 488834

(+) = Expected Retention Time

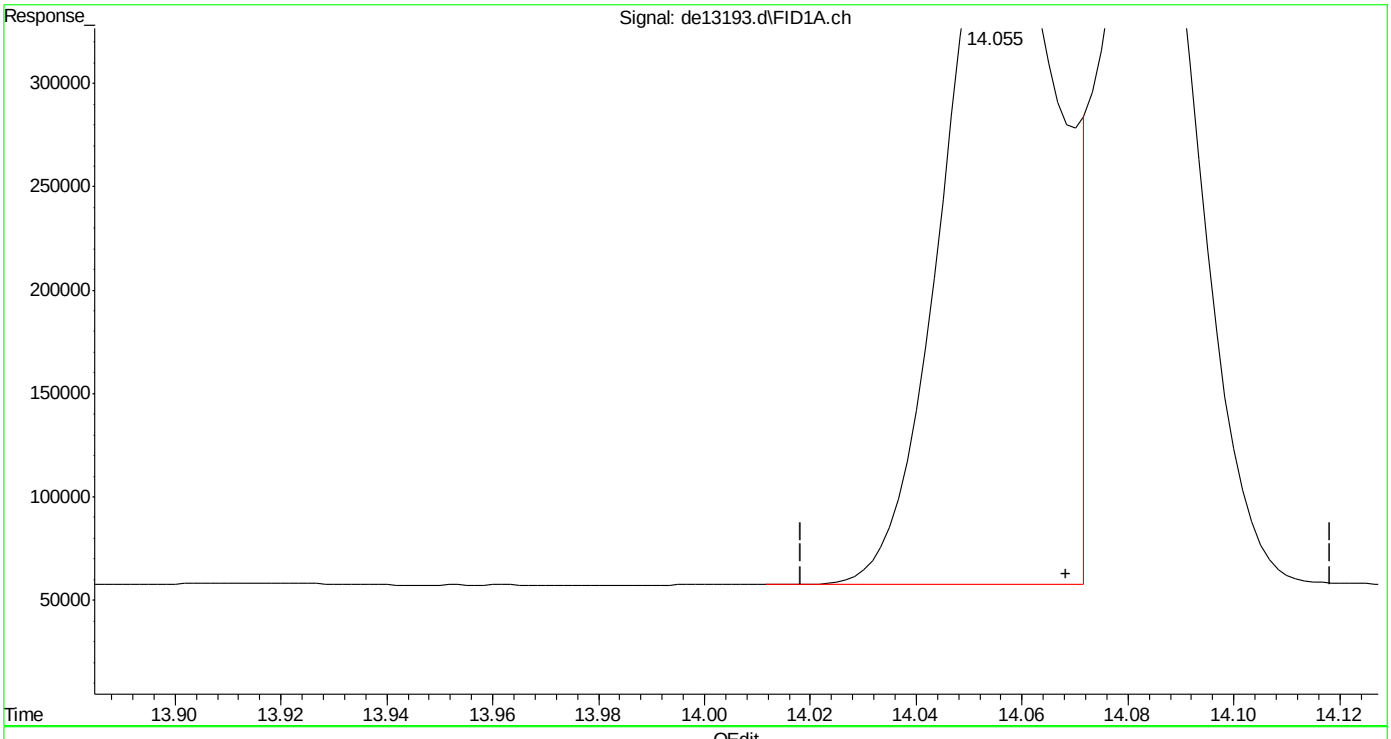
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.055min 5.155 µg/ml
response 522606

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:43:50 2016

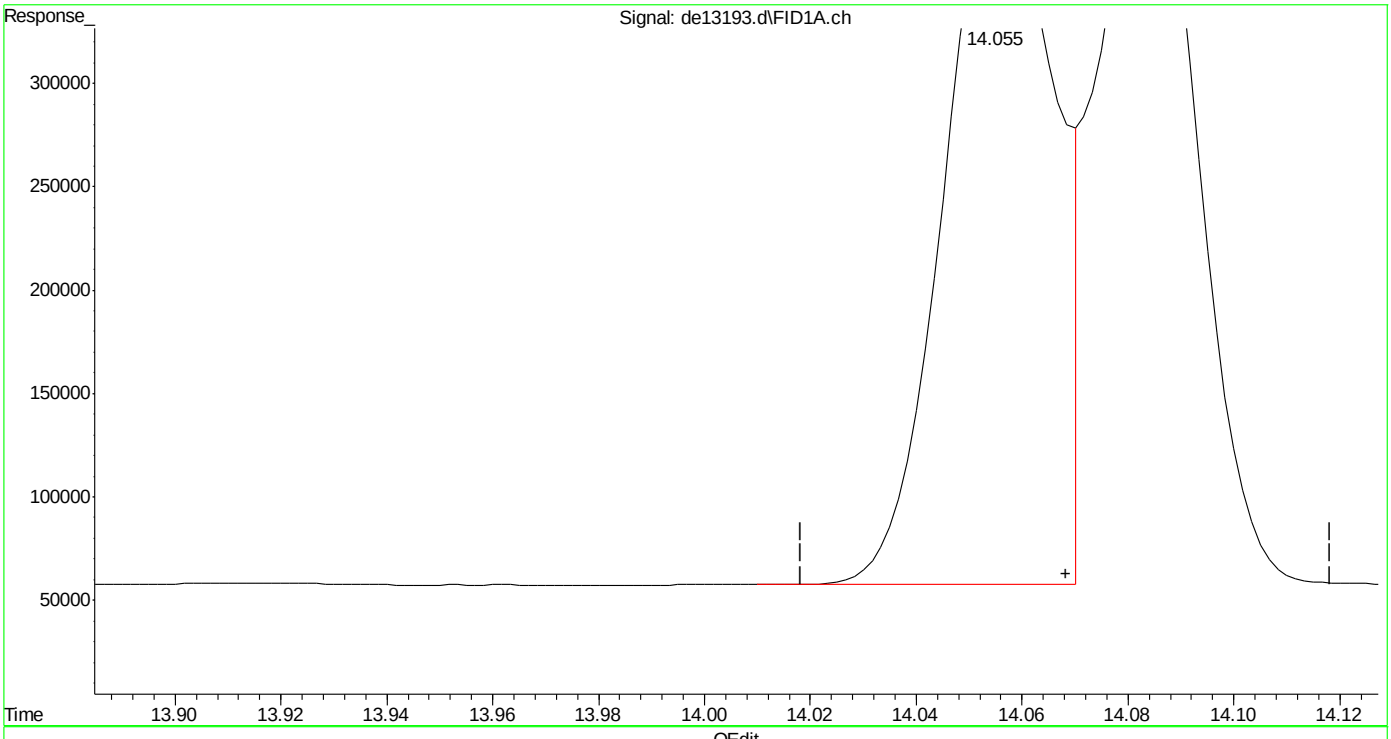
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.055min 4.931 µg/ml m
response 499942

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:43:57 2016

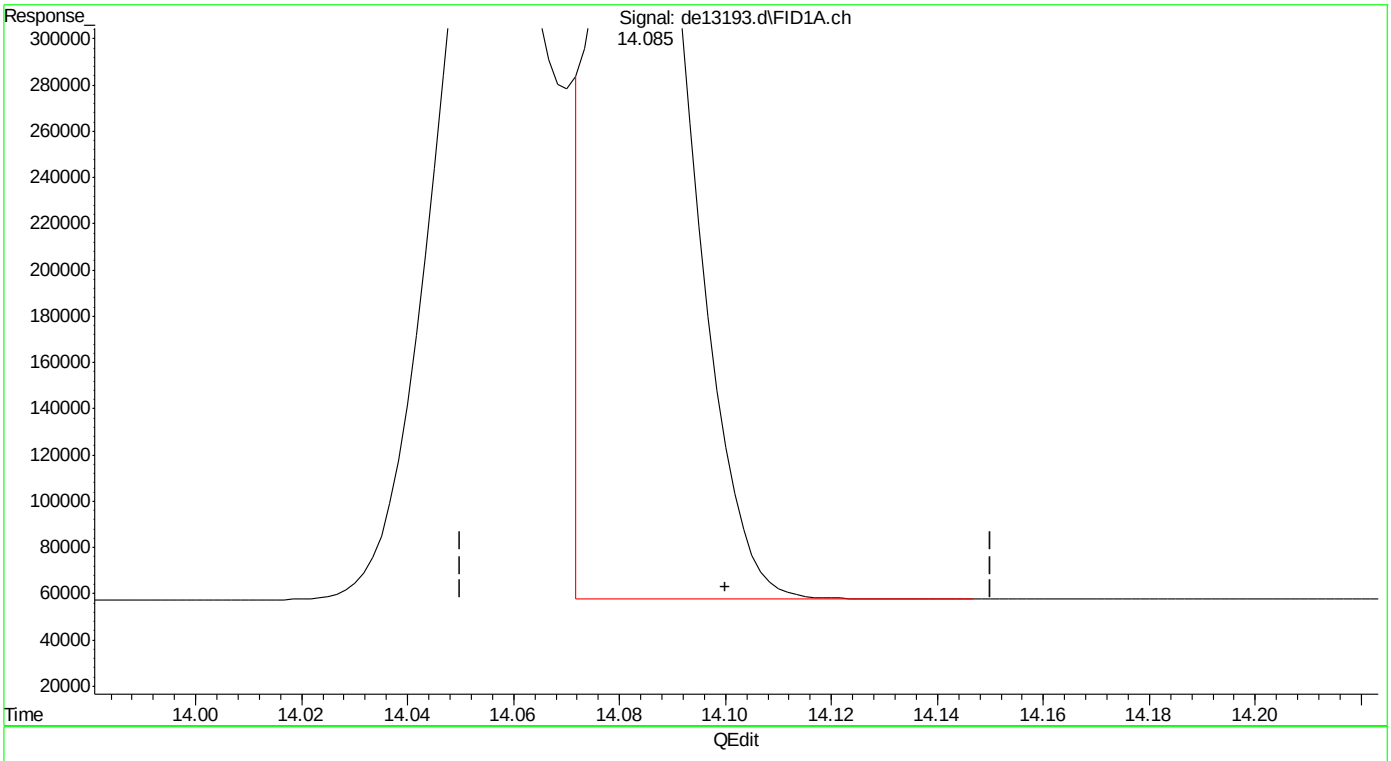
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.085min 4.636 µg/ml
response 451155

(+) = Expected Retention Time

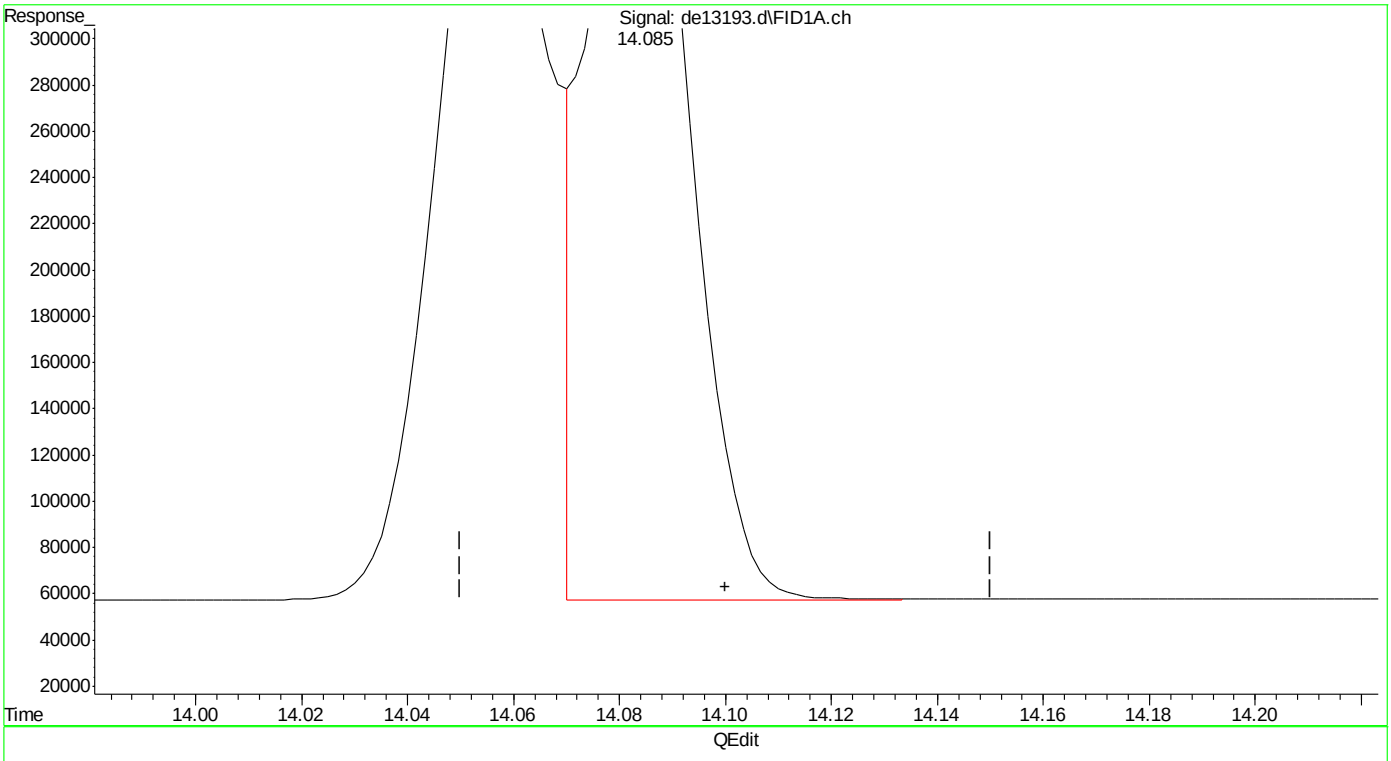
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.085min 4.875 µg/ml m
response 474469

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:44:13 2016

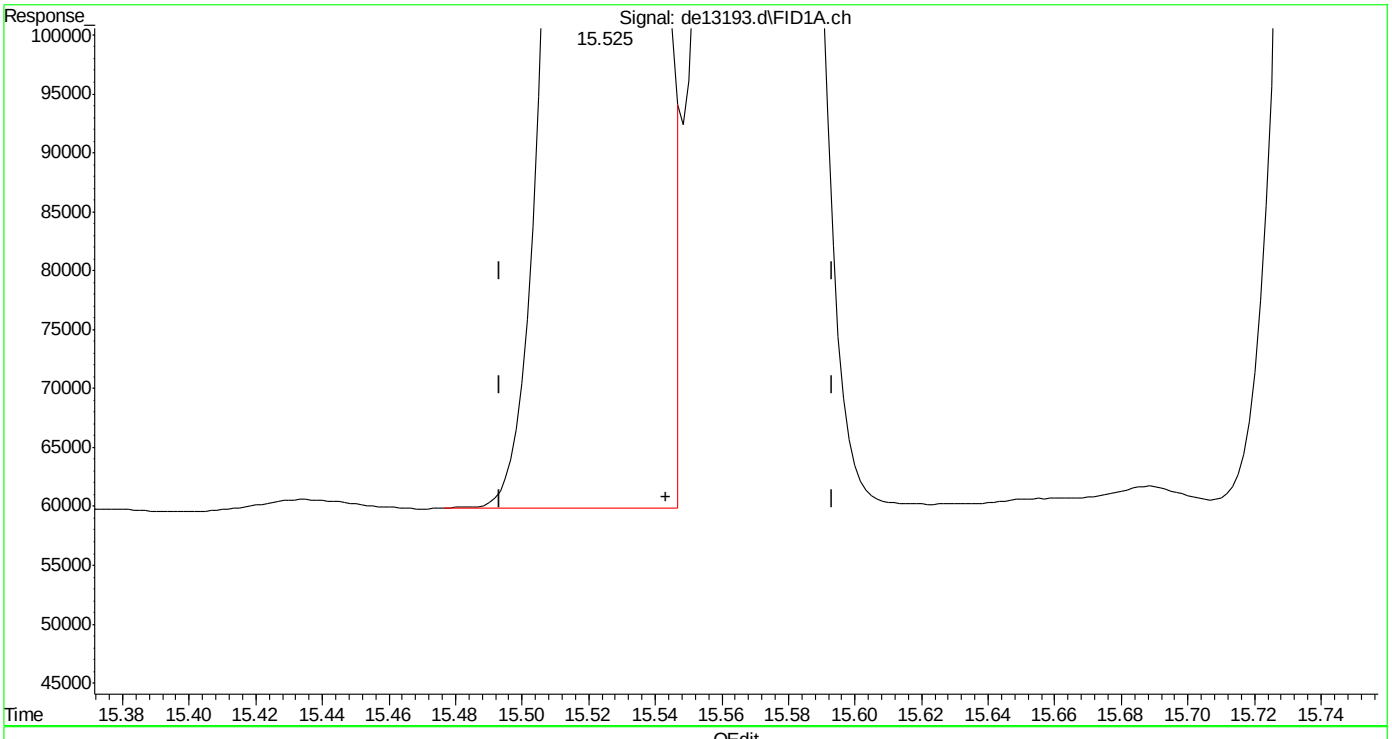
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.525min 4.785 µg/ml
response 468557

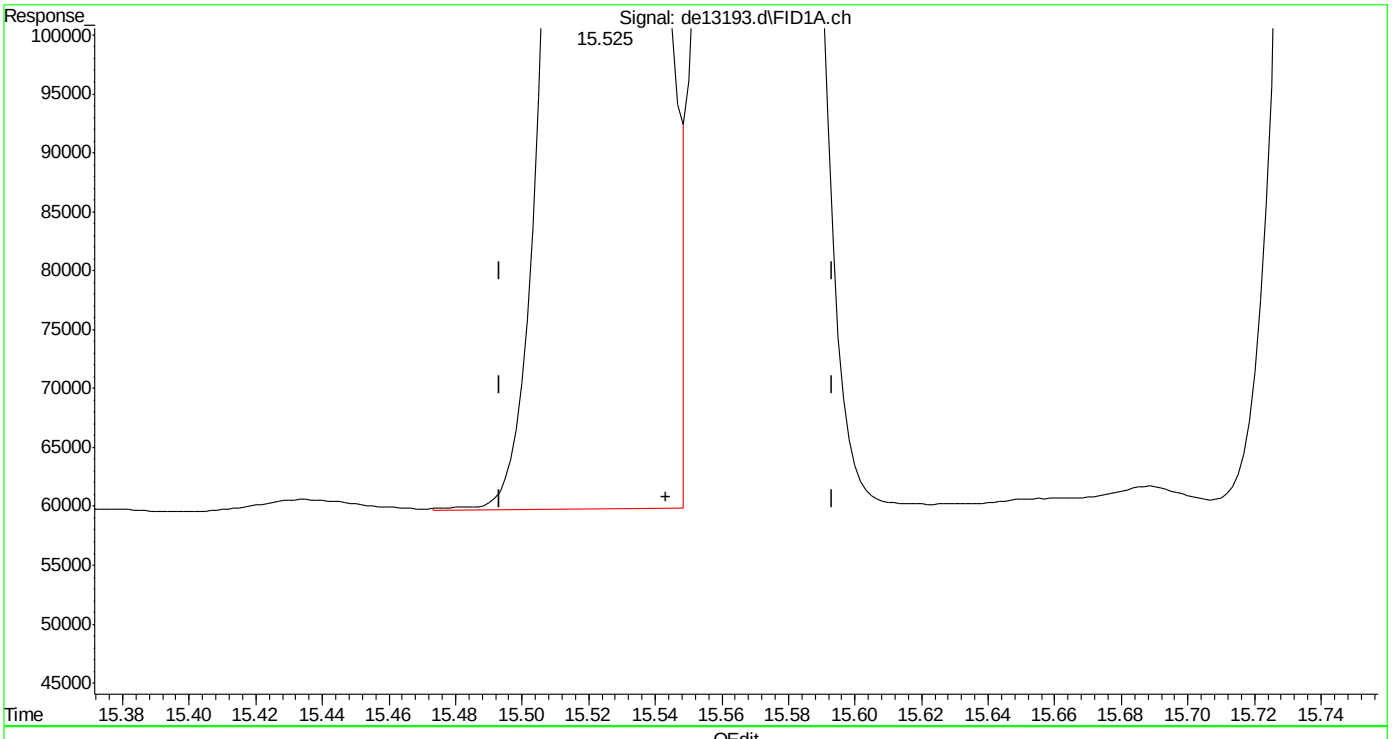
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.525min 4.822 µg/ml m
response 472235

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 10:44:45 2016

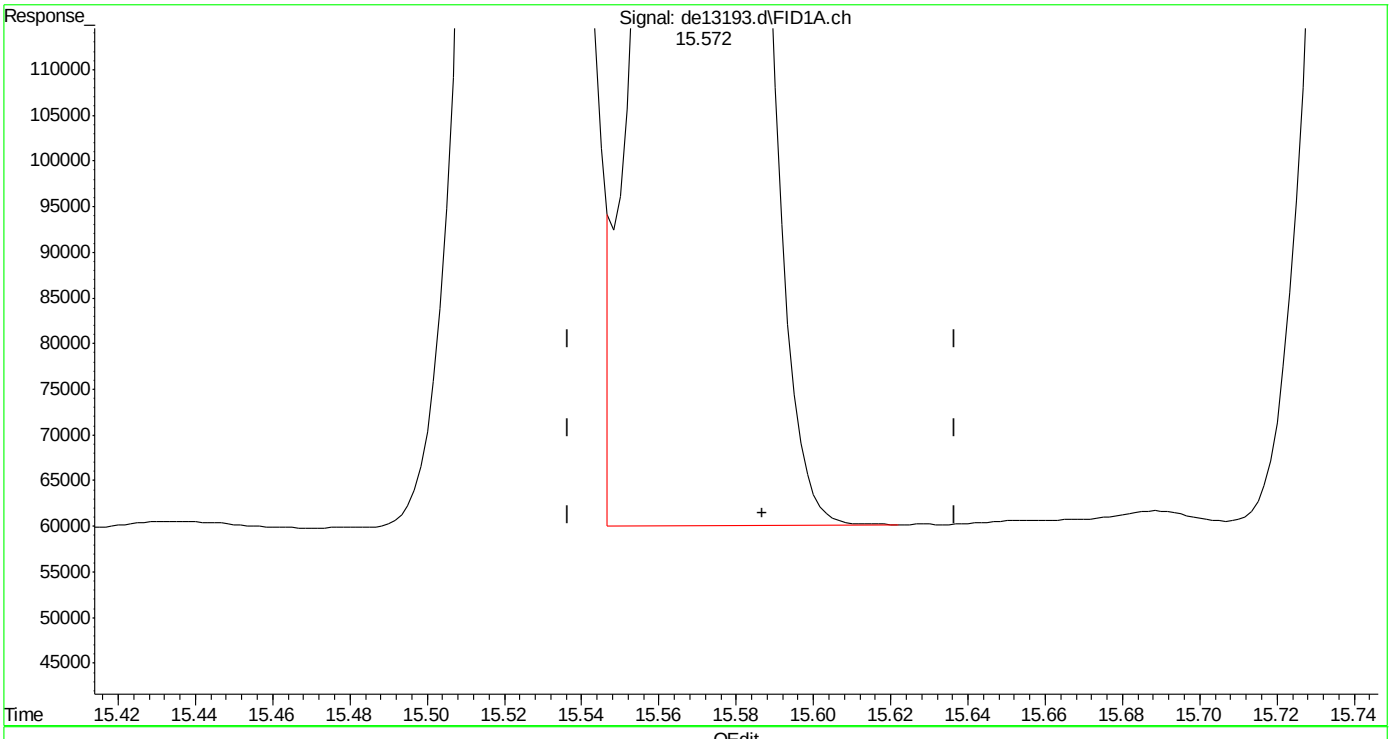
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.572min 5.000 µg/ml
response 468978

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 10:44:50 2016

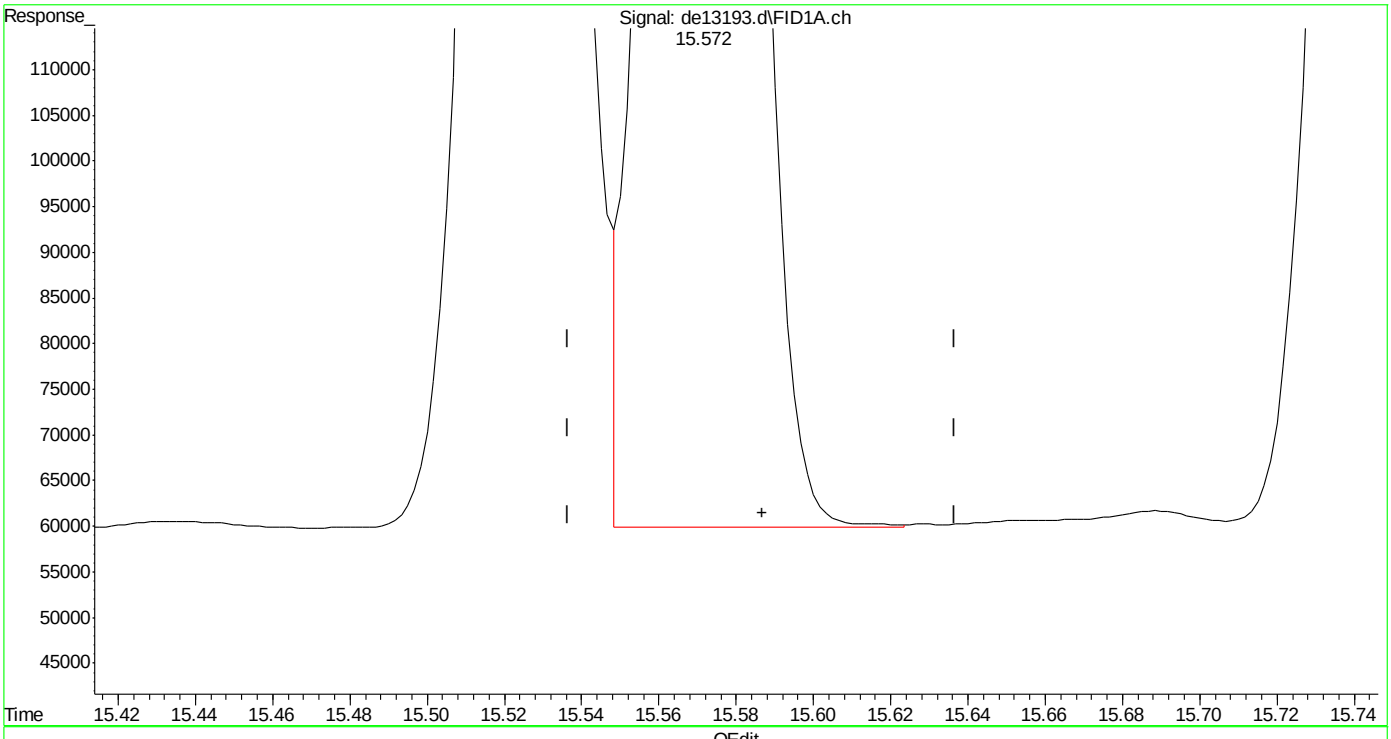
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.572min 4.975 µg/ml m
response 466623

(+) = Expected Retention Time

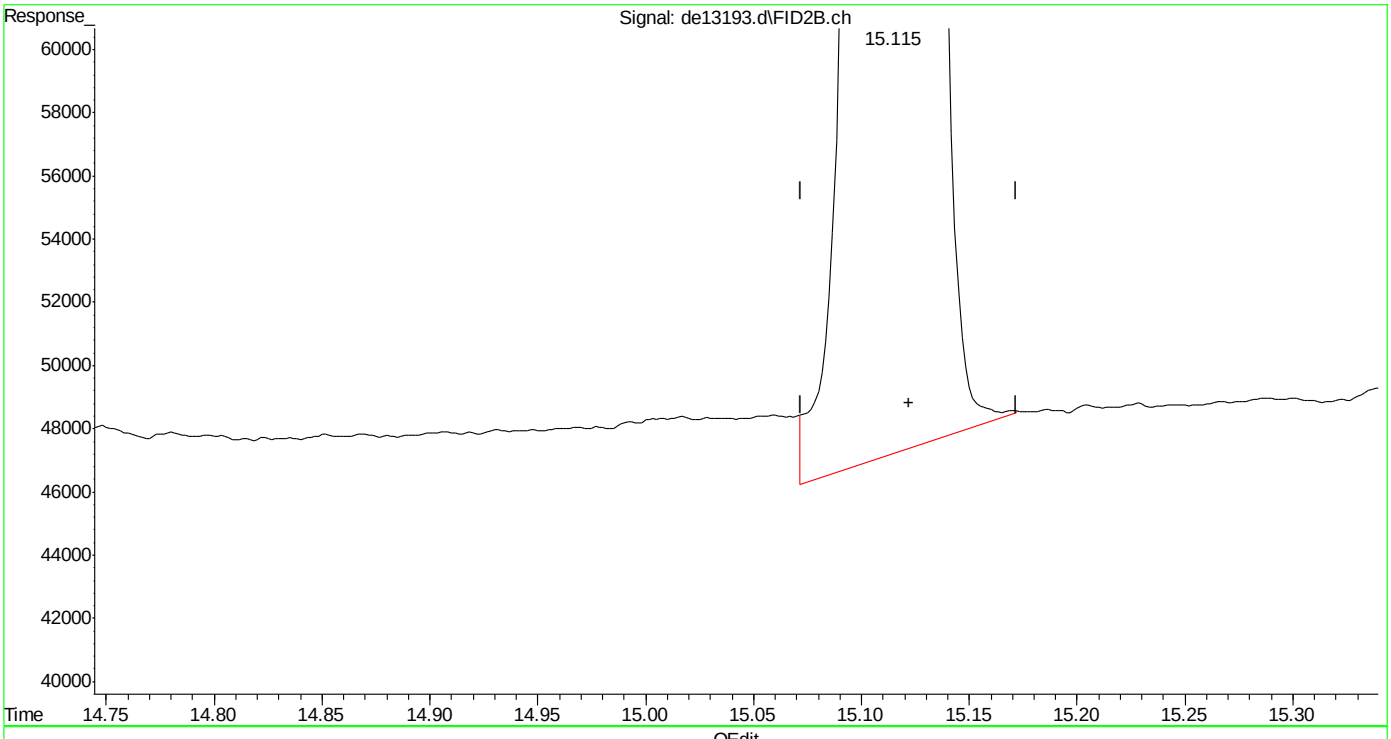
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 5.120 µg/ml
response 351498

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:51:46 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.800	1923499	20.264 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 101.32%#	
6) s 2-bromonaphthalene	7.532	1318220	20.454 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 102.27%#	
11) s o-terphenyl	10.080	2144067	20.565 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 102.83%#	
35) s 1-chlorooctadecane	11.248	1182336	20.984 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 104.92%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	36131366	22.235 µg/mlm
2) naphthalene	5.352	2162719	20.282 µg/ml
3) 2-methylnaphthalene	6.250	2136209	20.220 µg/ml
5) acenaphthylene	7.368	2106441	20.279 µg/ml
7) acenaphthene	7.610	2170607	20.454 µg/ml
8) fluorene	8.253	2130652	20.455 µg/ml
9) phenanthrene	9.437	2129143	20.500 µg/ml
10) anthracene	9.493	2038508	20.982 µg/ml
12) fluoranthene	10.945	2077039	20.389 µg/ml
13) pyrene	11.203	2089957	20.238 µg/ml
14) benzo(a)anthracene	12.763	2002764	20.461 µg/ml
15) chrysene	12.812	2022589	20.496 µg/ml
16) benzo(B)fluoranthene	14.060	2094779	20.856 µg/mlm
17) benzo(k)fluoranthene	14.090	1953249	20.187 µg/mlm
18) benzo(a)pyrene	14.395	1927552	20.332 µg/ml
19) indeno(1,2,3-cd)pyrene	15.532	1948257	19.991 µg/ml
20) dibenzo(ah)anthracene	15.577	1933263	20.726 µg/ml
21) benzo(ghi)perylene	15.753	1916075	20.362 µg/ml
25) h c-9	2.680	1587594	20.952 µg/mlm
26) h c-10	3.833	1597831	20.904 µg/ml
27) naphthalene #2	5.512	1701488	21.332 µg/ml
28) c-12	5.687	1581613	20.810 µg/ml
29) 2-methylnaphthalene #2	6.405	1698114	20.825 µg/ml
30) c-14	7.203	1563771	20.568 µg/ml
31) c-16	8.532	1537180	20.338 µg/ml
32) c-18	9.727	1515877	20.257 µg/ml
33) c-19	10.282	1500139	20.556 µg/ml
34) c-20	10.813	1468089	20.532 µg/ml
36) c-22	11.808	1451343	20.601 µg/ml
37) c-24	12.727	1351453	20.219 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:51:46 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units
38)		c-26	13.580	1435543	20.577	µg/ml
39)		c-28	14.373	1385739	20.519	µg/ml
40)	h	c-30	15.122	1377048	20.029	µg/mlm
41)	h	c-36	17.010	1222680	20.011	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.4

9

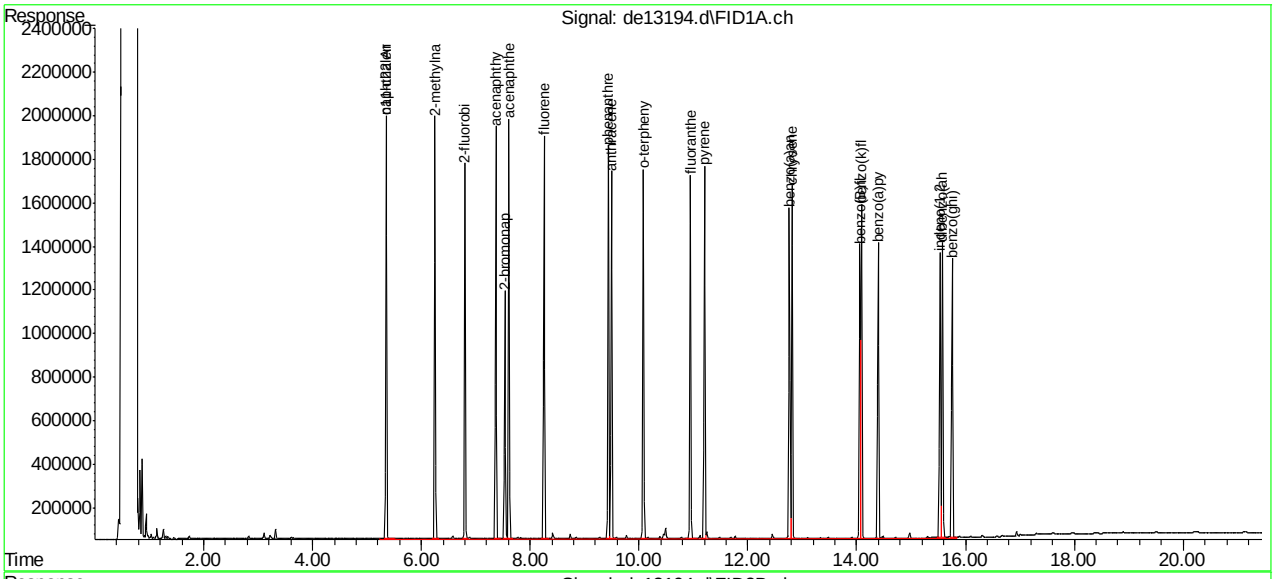
SGS ACCUTEST MC45754

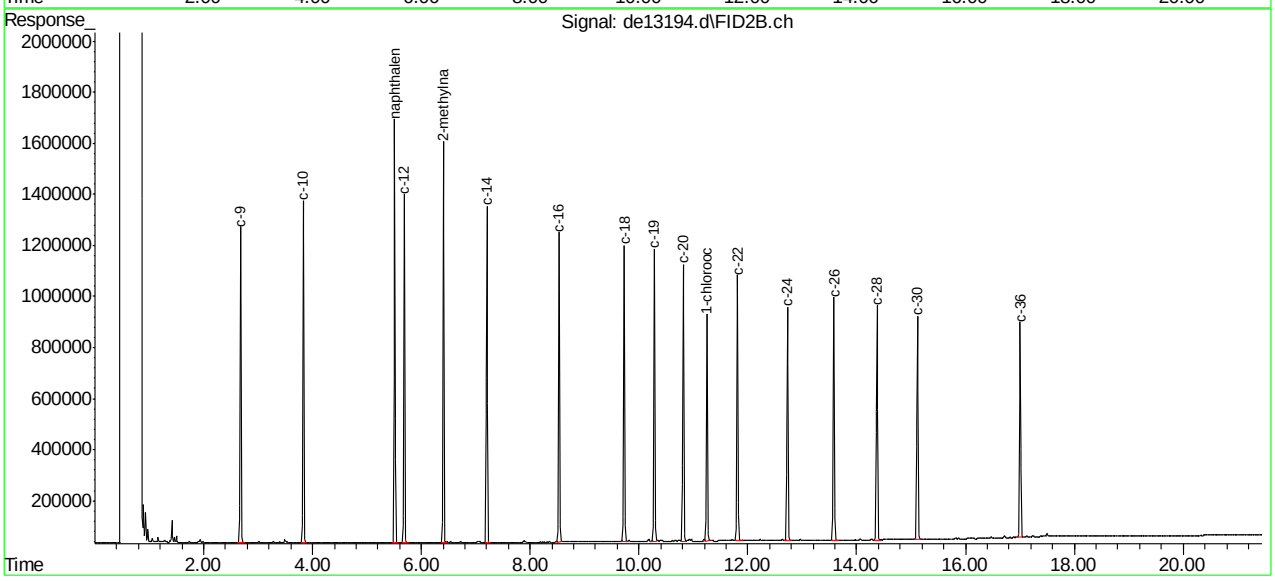
Quantitation Report (QT Reviewed)

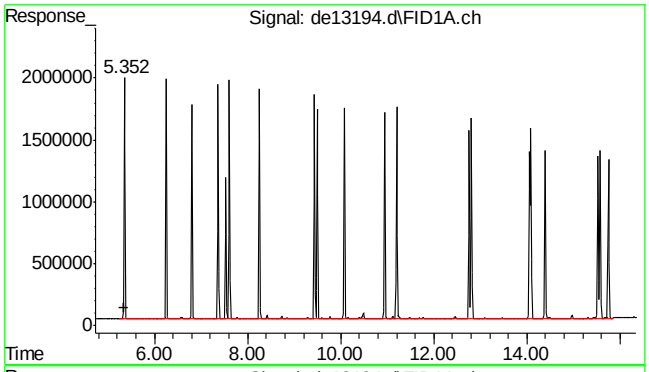
Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:51:46 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

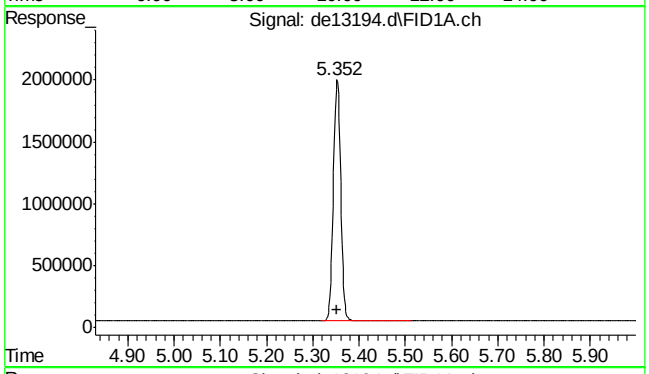






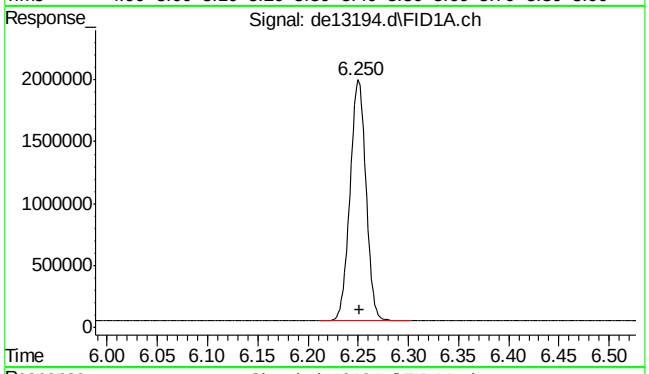
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 36131366
Conc: 22.24 µg/ml m



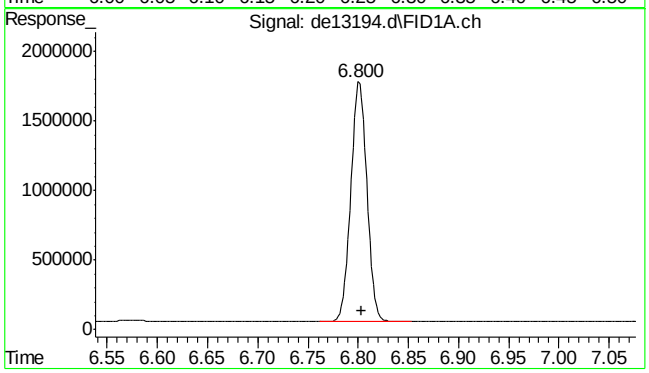
#2 naphthalene

R.T.: 5.352 min
Delta R.T.: -0.002 min
Response: 2162719
Conc: 20.28 µg/ml



#3 2-methylnaphthalene

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 2136209
Conc: 20.22 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.800 min
Delta R.T.: -0.003 min
Response: 1923499
Conc: 20.26 µg/ml

9.4.4

9

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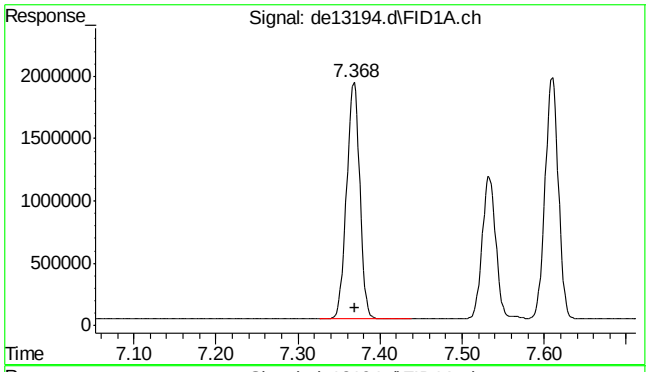
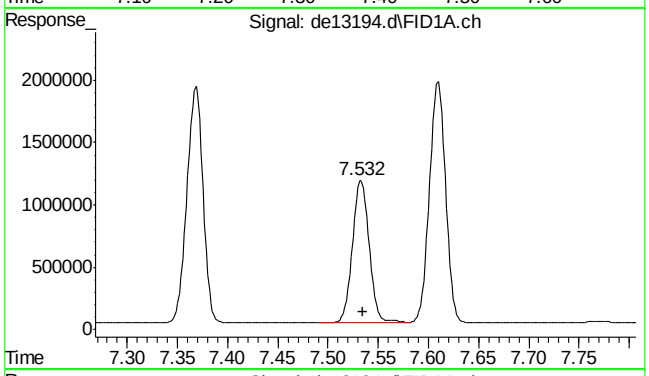


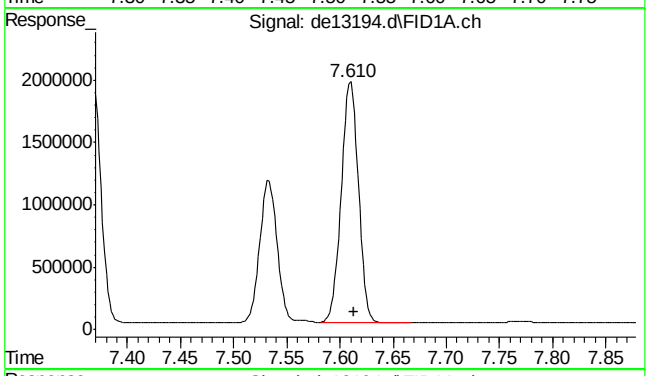
#5 acenaphthylene

R.T.: 7.368 min
Delta R.T.: -0.002 min
Response: 2106441
Conc: 20.28 µg/ml



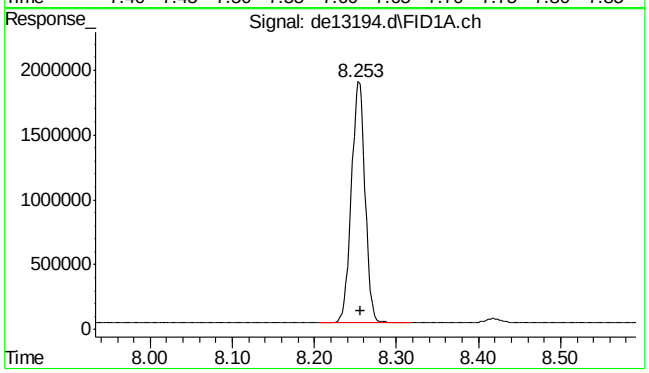
#6 2-bromonaphthalene

R.T.: 7.532 min
Delta R.T.: -0.003 min
Response: 1318220
Conc: 20.45 µg/ml



#7 acenaphthene

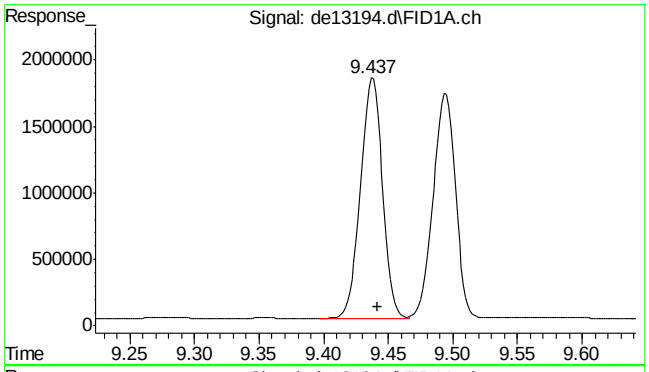
R.T.: 7.610 min
Delta R.T.: -0.003 min
Response: 2170607
Conc: 20.45 µg/ml



#8 fluorene

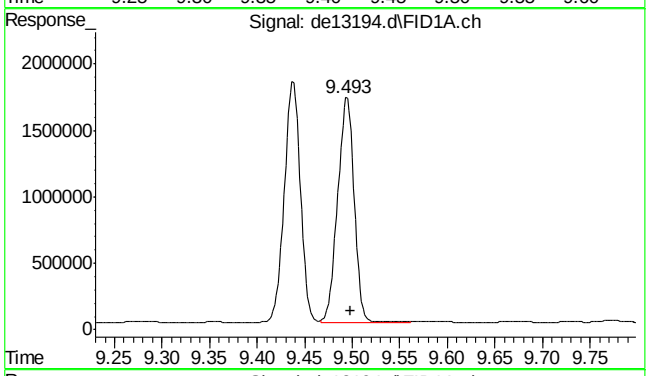
R.T.: 8.253 min
Delta R.T.: -0.003 min
Response: 2130652
Conc: 20.46 µg/ml

SGS ACCUTEST MC45754



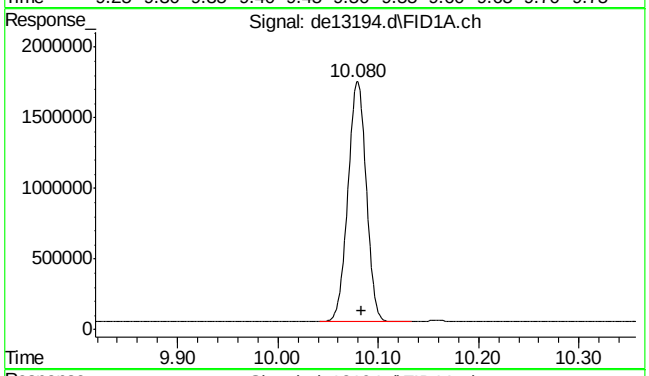
#9 phenanthrene

R.T.: 9.437 min
Delta R.T.: -0.005 min
Response: 2129143
Conc: 20.50 µg/ml



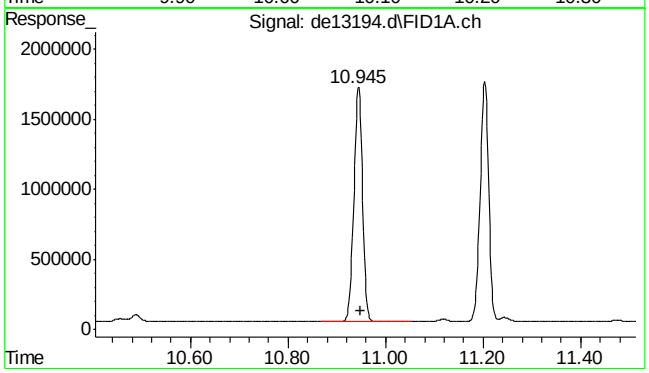
#10 anthracene

R.T.: 9.493 min
Delta R.T.: -0.005 min
Response: 2038508
Conc: 20.98 µg/ml



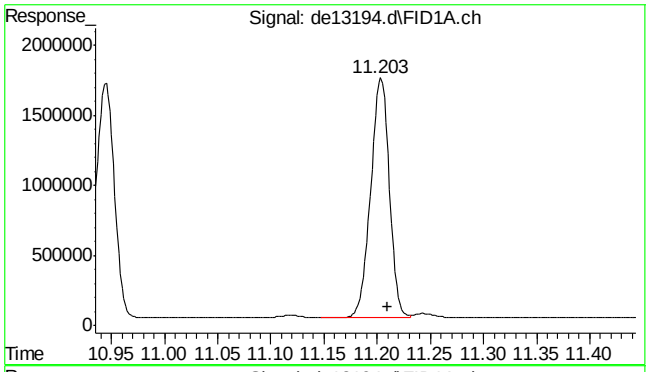
#11 o-terphenyl

R.T.: 10.080 min
Delta R.T.: -0.003 min
Response: 2144067
Conc: 20.57 µg/ml



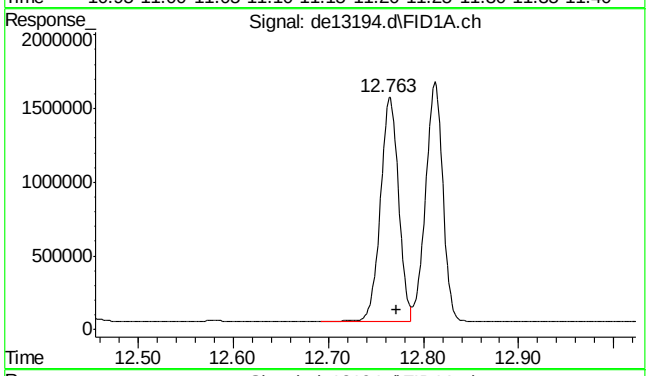
#12 fluoranthene

R.T.: 10.945 min
Delta R.T.: -0.003 min
Response: 2077039
Conc: 20.39 µg/ml



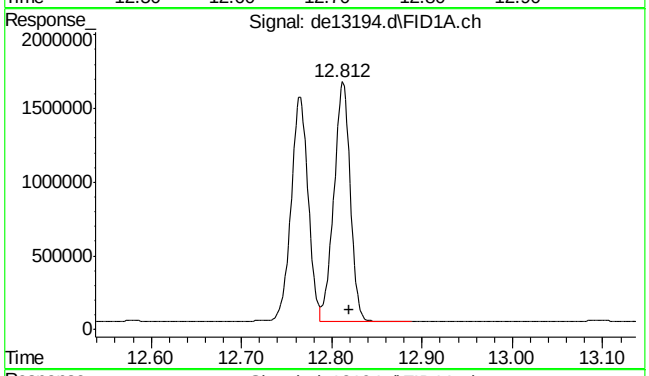
#13 pyrene

R.T.: 11.203 min
Delta R.T.: -0.007 min
Response: 2089957
Conc: 20.24 µg/ml



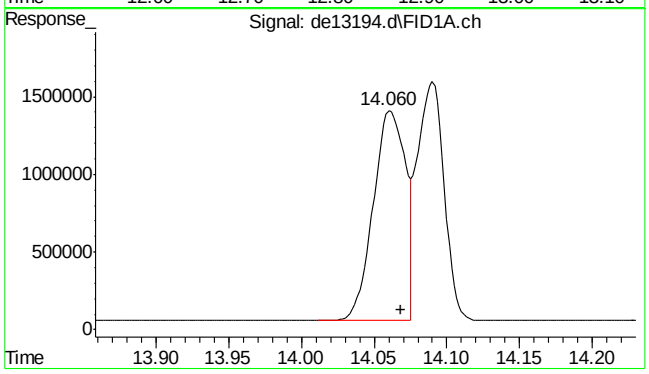
#14 benzo(a)anthracene

R.T.: 12.763 min
Delta R.T.: -0.008 min
Response: 2002764
Conc: 20.46 µg/ml



#15 chrysene

R.T.: 12.812 min
Delta R.T.: -0.008 min
Response: 2022589
Conc: 20.50 µg/ml



#16 benzo(B)fluoranthene

R.T.: 14.060 min
Delta R.T.: -0.008 min
Response: 2094779
Conc: 20.86 µg/ml m

9.4.4

9

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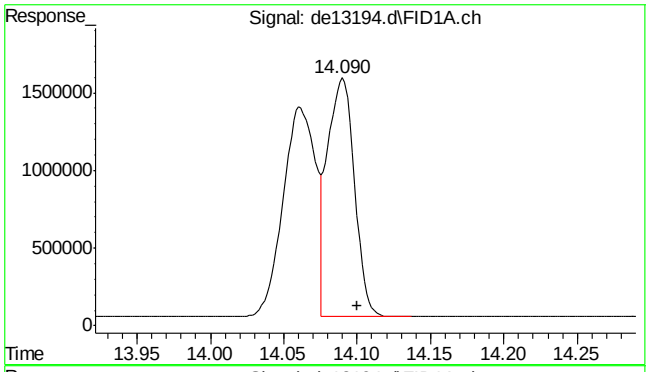
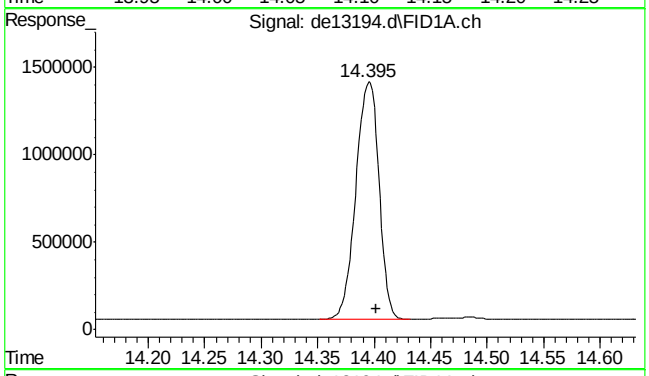


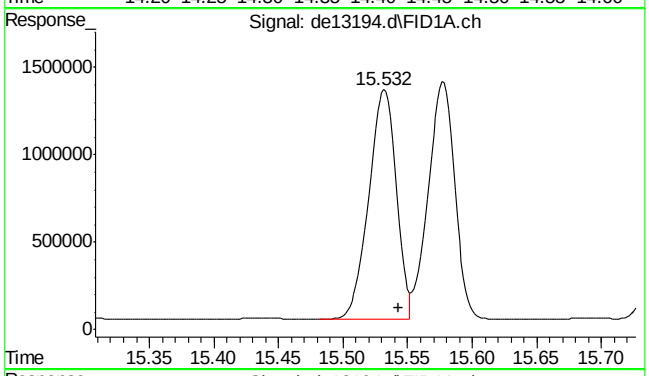
#17 benzo(k)fluoranthene

R.T.: 14.090 min
Delta R.T.: -0.010 min
Response: 1953249
Conc: 20.19 µg/ml m



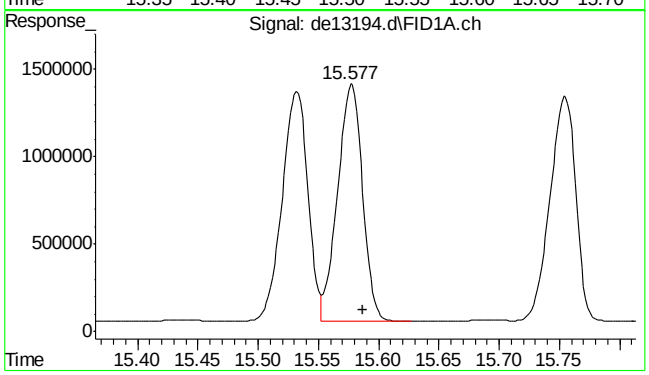
#18 benzo(a)pyrene

R.T.: 14.395 min
Delta R.T.: -0.007 min
Response: 1927552
Conc: 20.33 µg/ml



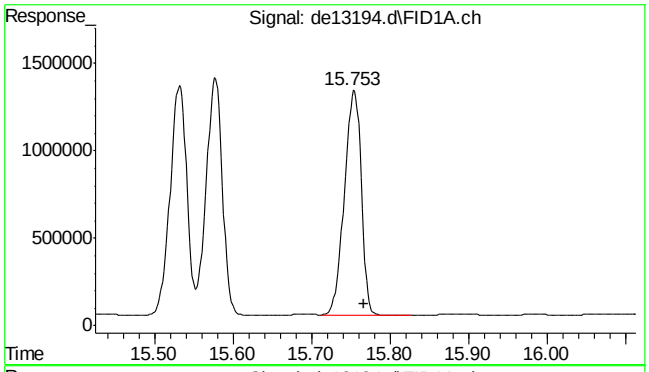
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.532 min
Delta R.T.: -0.012 min
Response: 1948257
Conc: 19.99 µg/ml



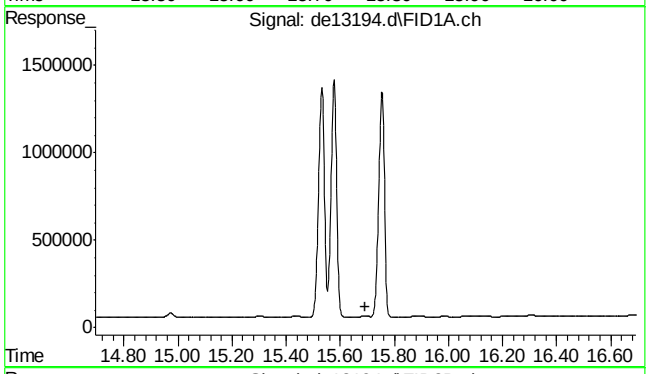
#20 dibenzo(ah)anthracene

R.T.: 15.577 min
Delta R.T.: -0.010 min
Response: 1933263
Conc: 20.73 µg/ml



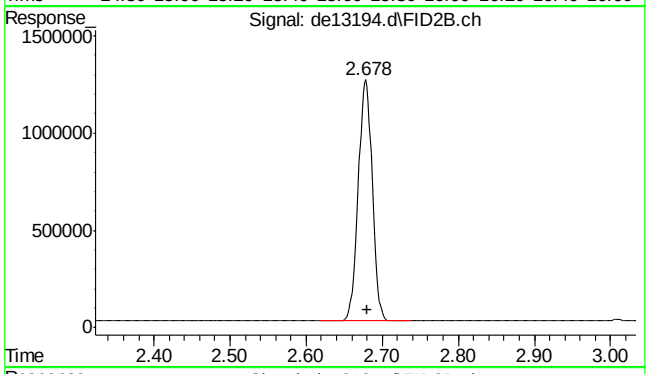
#21 benzo(ghi)perylene

R.T.: 15.753 min
Delta R.T.: -0.013 min
Response: 1916075
Conc: 20.36 µg/ml



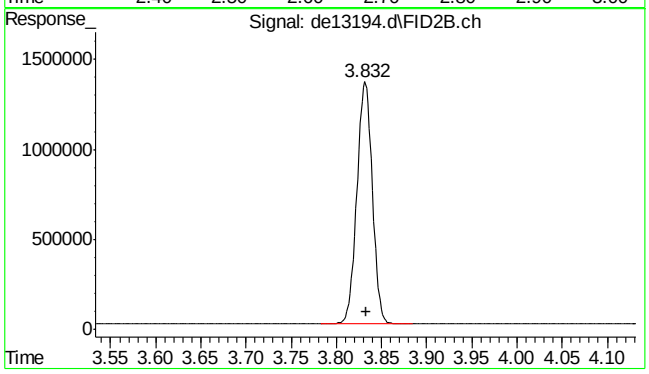
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 1587594
Conc: 20.95 µg/ml m



#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 1597831
Conc: 20.90 µg/ml

9.4.4

9

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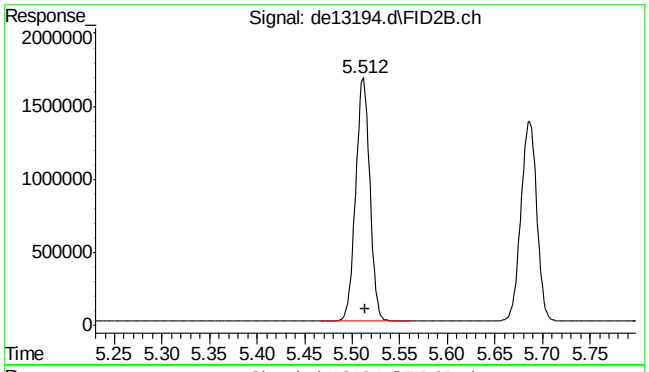
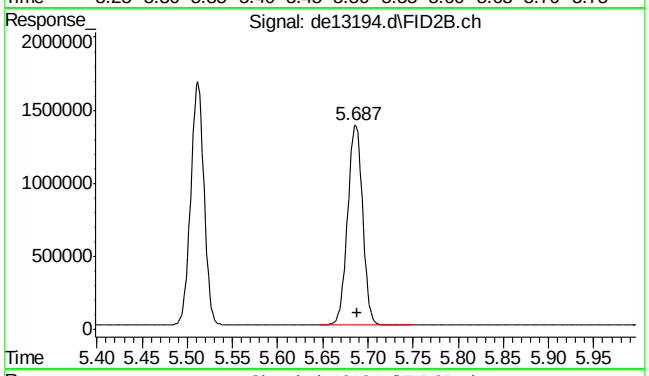


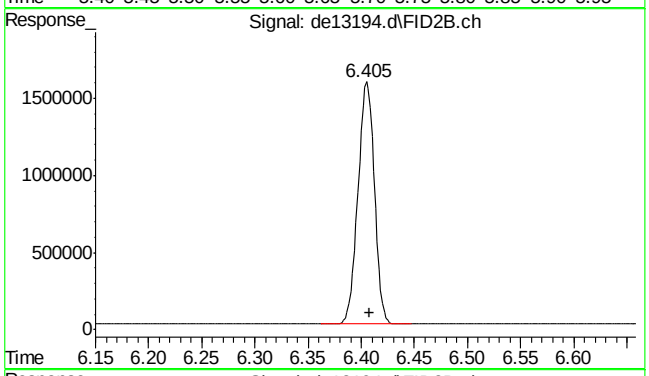
#27 naphthalene #2

R.T.: 5.512 min
Delta R.T.: -0.002 min
Response: 1701488
Conc: 21.33 µg/ml



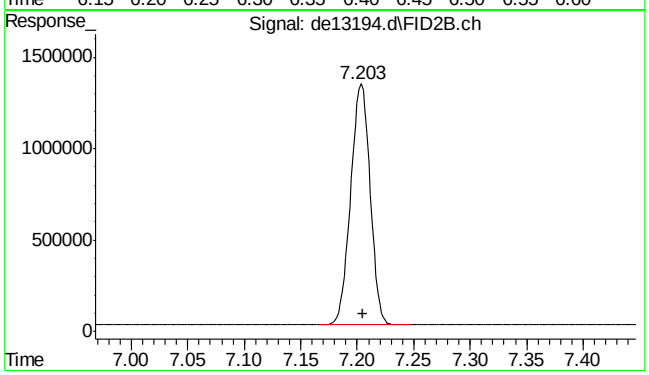
#28 c-12

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 1581613
Conc: 20.81 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.405 min
Delta R.T.: -0.003 min
Response: 1698114
Conc: 20.83 µg/ml



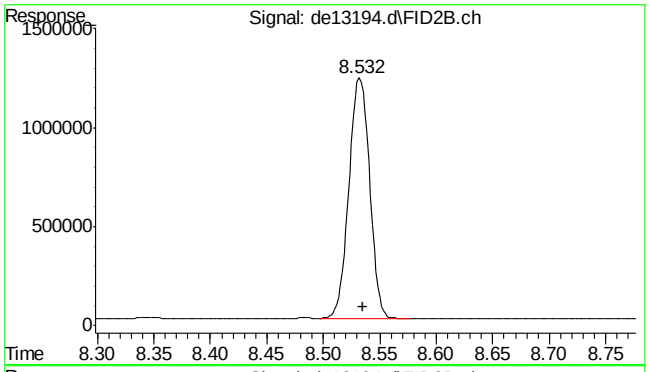
#30 c-14

R.T.: 7.203 min
Delta R.T.: -0.002 min
Response: 1563771
Conc: 20.57 µg/ml

9.4.4

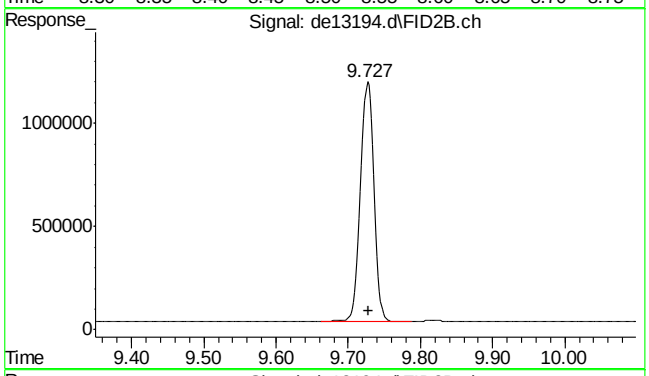
9

SGS ACCUTEST MC45754



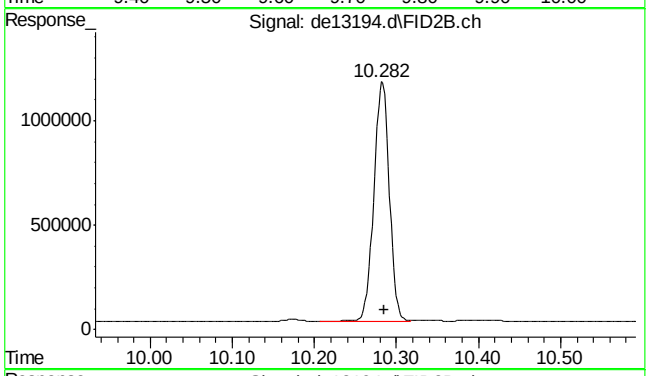
#31 c-16

R.T.: 8.532 min
Delta R.T.: -0.003 min
Response: 1537180
Conc: 20.34 µg/ml



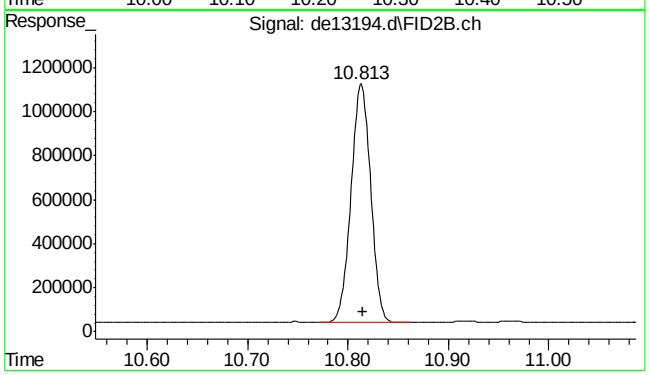
#32 c-18

R.T.: 9.727 min
Delta R.T.: -0.002 min
Response: 1515877
Conc: 20.26 µg/ml



#33 c-19

R.T.: 10.282 min
Delta R.T.: -0.003 min
Response: 1500139
Conc: 20.56 µg/ml



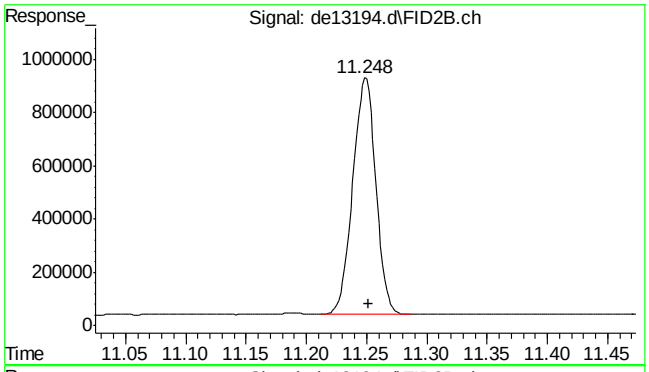
#34 c-20

R.T.: 10.813 min
Delta R.T.: -0.002 min
Response: 1468089
Conc: 20.53 µg/ml

9.4.4

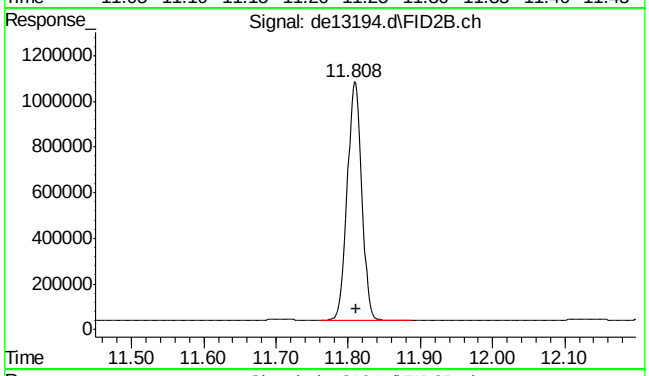
9

SGS ACCUTEST MC45754



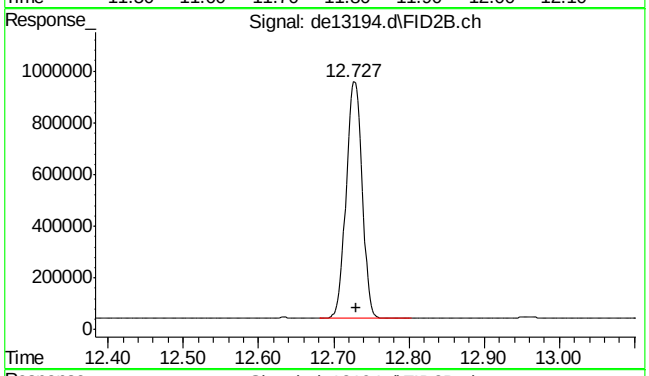
#35 1-chlorooctadecane

R.T.: 11.248 min
Delta R.T.: -0.003 min
Response: 1182336
Conc: 20.98 µg/ml



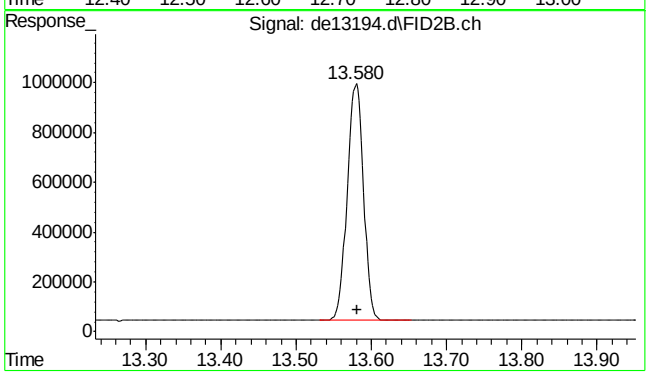
#36 c-22

R.T.: 11.808 min
Delta R.T.: -0.003 min
Response: 1451343
Conc: 20.60 µg/ml



#37 c-24

R.T.: 12.727 min
Delta R.T.: -0.003 min
Response: 1351453
Conc: 20.22 µg/ml



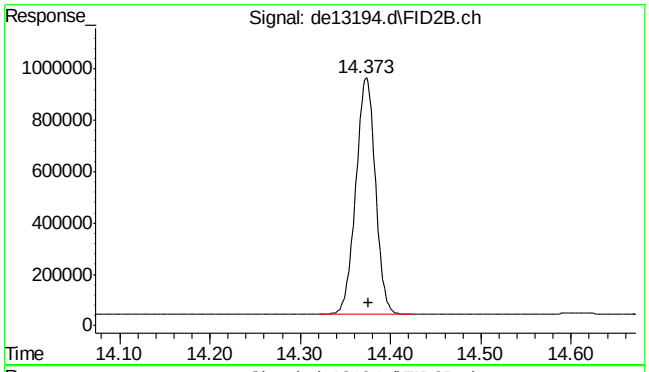
#38 c-26

R.T.: 13.580 min
Delta R.T.: -0.002 min
Response: 1435543
Conc: 20.58 µg/ml

9.4.4

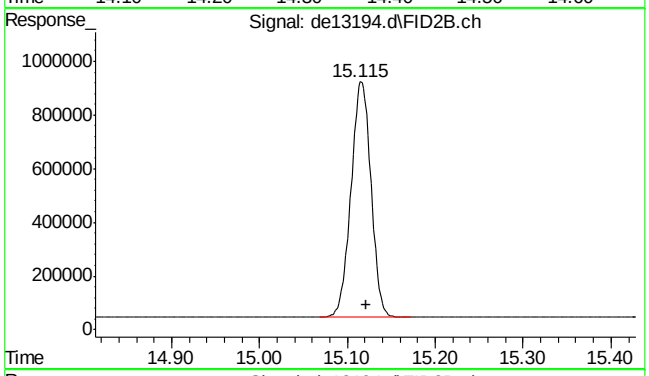
9

SGS ACCUTEST MC45754



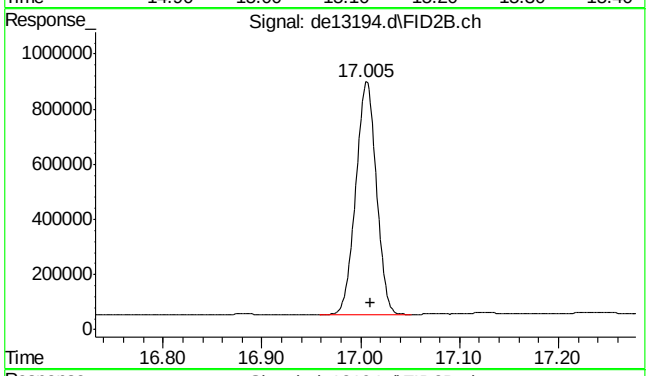
#39 c-28

R.T.: 14.373 min
Delta R.T.: -0.002 min
Response: 1385739
Conc: 20.52 µg/ml



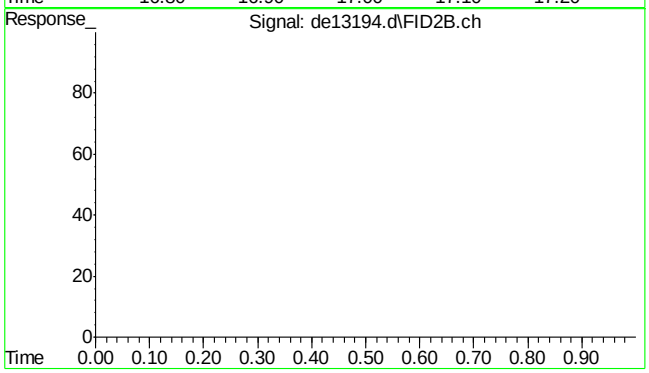
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 1377048
Conc: 20.03 µg/ml m



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 1222680
Conc: 20.01 µg/ml m



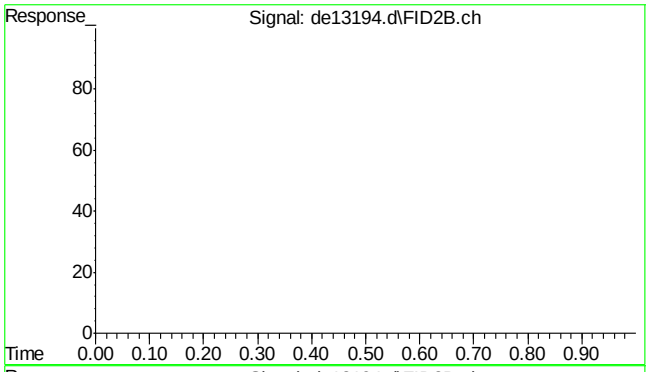
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.4

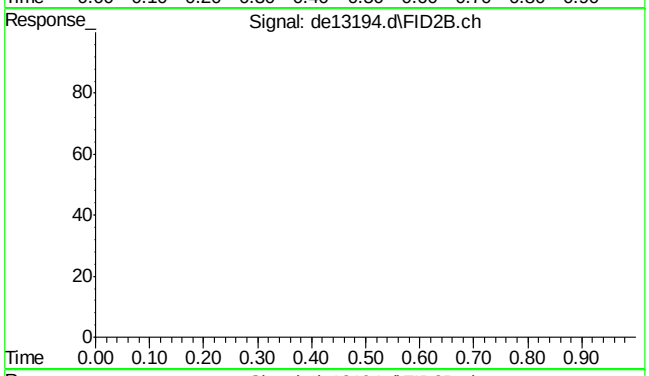
9

SGS ACCUTEST MC45754



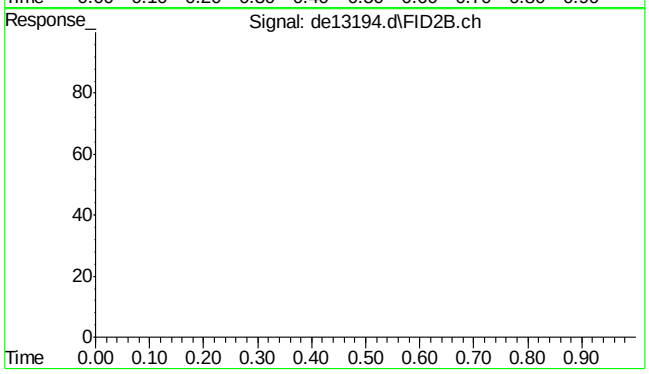
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

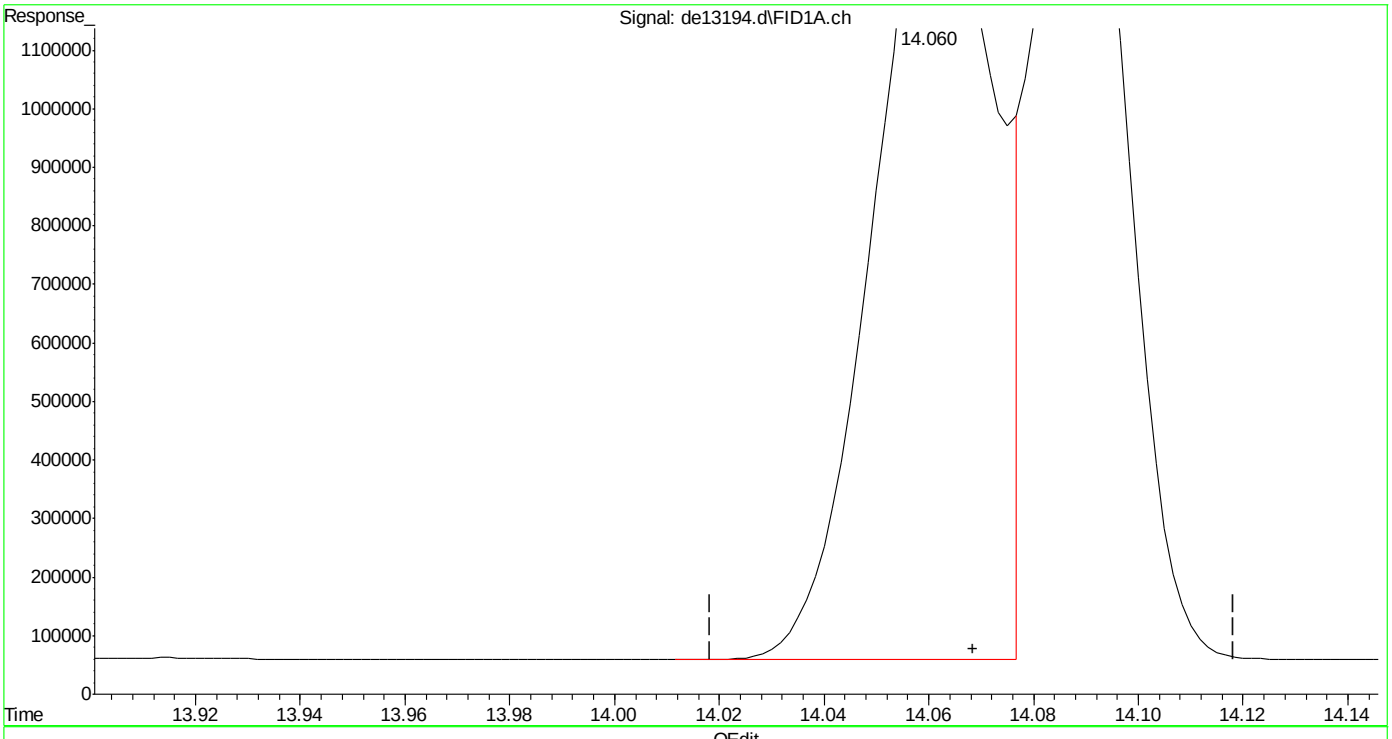
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.060min 21.786 µg/ml
response 2188193

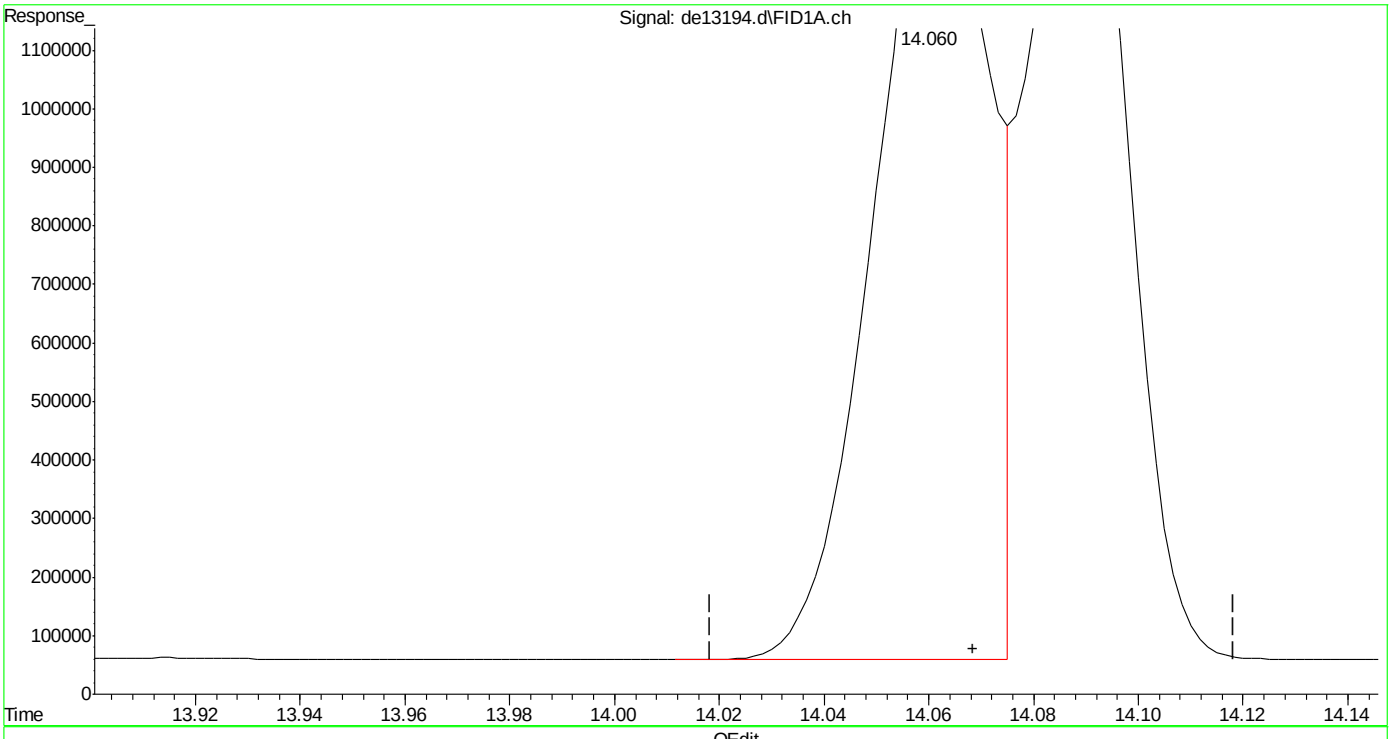
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.060min 20.856 µg/ml m
response 2094779

(+) = Expected Retention Time

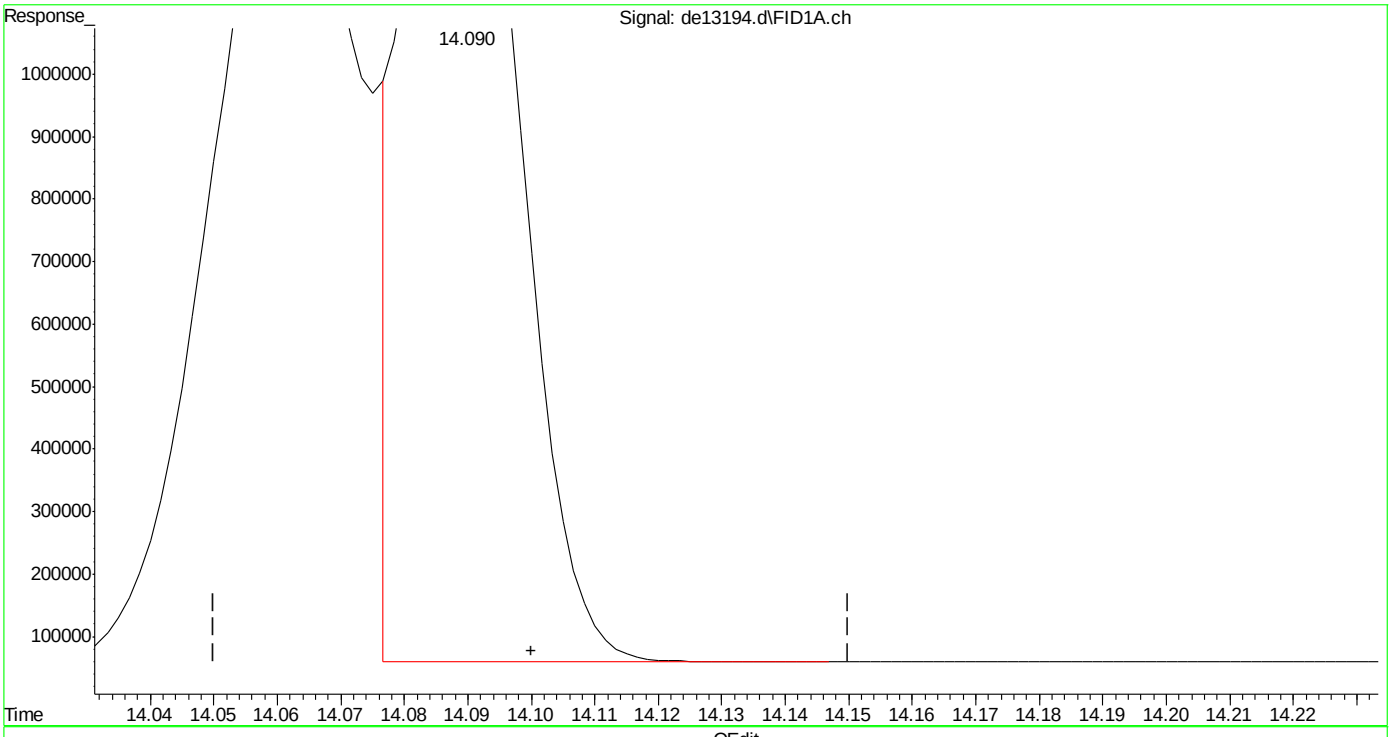
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.090min 19.228 µg/ml
response 1860456

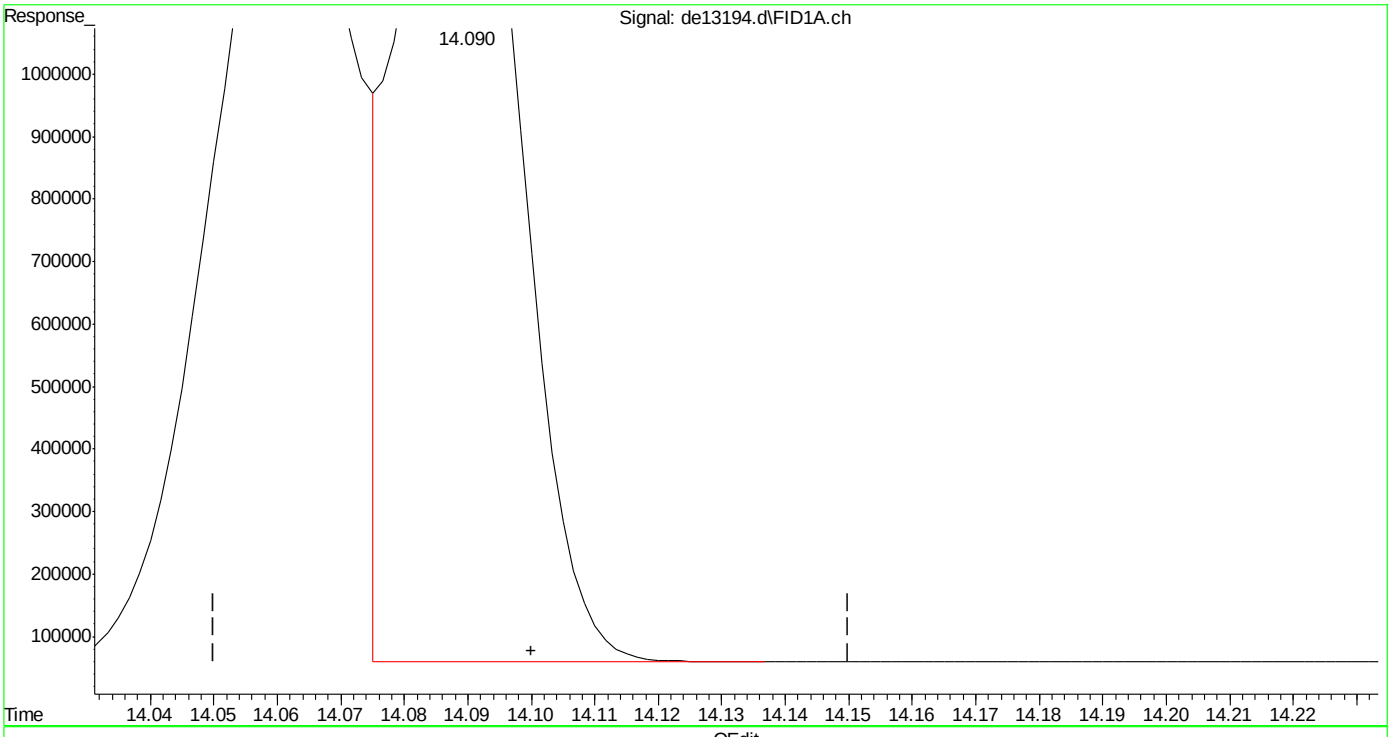
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.090min 20.187 µg/ml m
response 1953249

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 10:50:45 2016

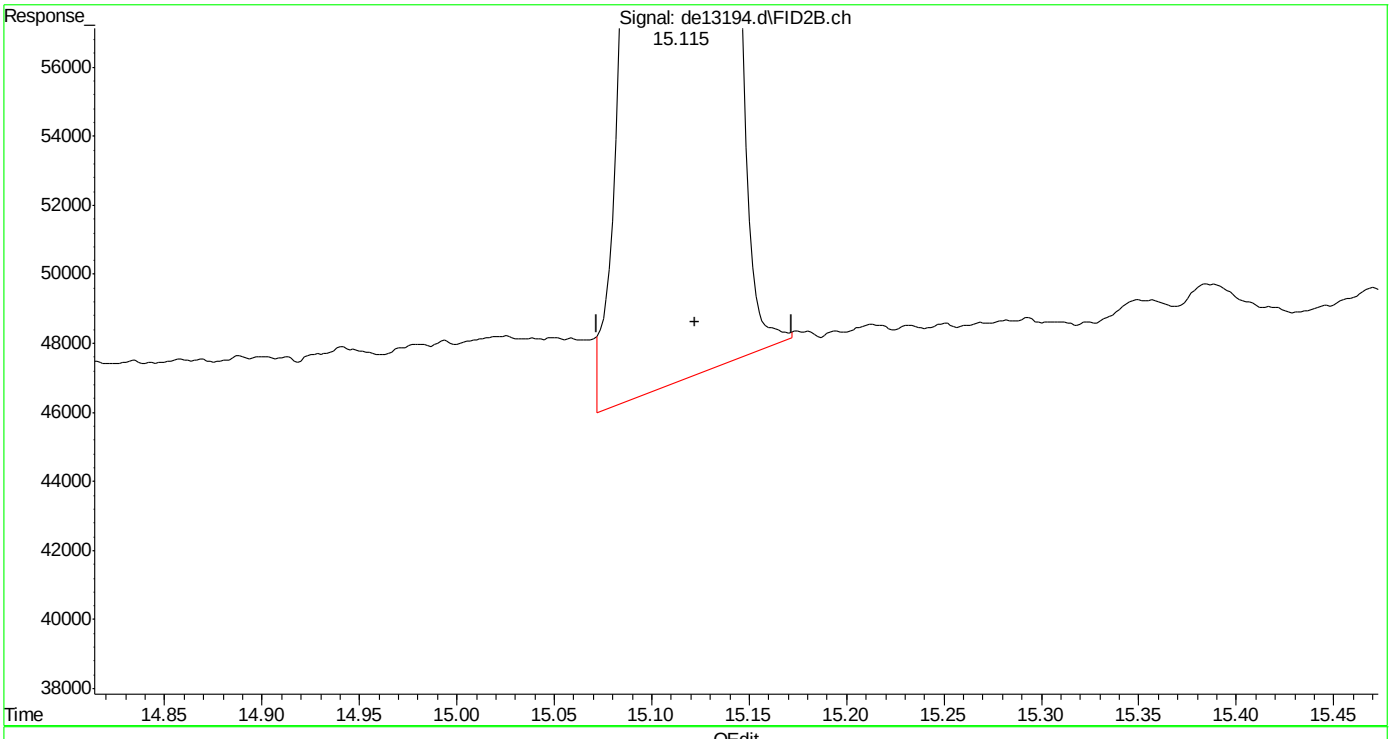
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 20.114 µg/ml
response 1382917

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:51:11 2016

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:57:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.803	4755859	50.970 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 254.85%#		
6) s 2-bromonaphthalene	7.535	3250284	51.239 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 256.19%#		
11) s o-terphenyl	10.083	5257542	50.987 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 254.94%#		
35) s 1-chlorooctadecane	11.252	2679754	47.467 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 237.33%#		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	87424928	52.817 µg/mlm
2) naphthalene	5.353	5345223	51.089 µg/ml
3) 2-methylnaphthalene	6.252	5287222	50.952 µg/ml
5) acenaphthylene	7.370	5189849	50.857 µg/ml
7) acenaphthene	7.613	5354326	51.245 µg/ml
8) fluorene	8.257	5242546	51.074 µg/ml
9) phenanthrene	9.442	5223164	50.912 µg/ml
10) anthracene	9.498	4970359	51.417 µg/ml
12) fluoranthene	10.948	5079973	50.440 µg/ml
13) pyrene	11.210	5123787	50.161 µg/ml
14) benzo(a)anthracene	12.772	4883350	50.327 µg/ml
15) chrysene	12.820	4951740	50.659 µg/ml
16) benzo(B)fluoranthene	14.068	4980192	49.821 µg/ml
17) benzo(k)fluoranthene	14.100	4922694	51.393 µg/ml
18) benzo(a)pyrene	14.402	4724847	50.445 µg/ml
19) indeno(1,2,3-cd)pyrene	15.543	4854725	50.326 µg/mlm
20) dibenzo(ah)anthracene	15.587	4685536	50.795 µg/mlm
21) benzo(ghi)perylene	15.767	4705124	50.470 µg/ml
25) h c-9	2.680	3541836	46.375 µg/mlm
26) h c-10	3.833	3570776	46.367 µg/ml
27) naphthalene #2	5.513	3805435	47.627 µg/ml
28) c-12	5.688	3545795	46.341 µg/ml
29) 2-methylnaphthalene #2	6.408	3803724	46.794 µg/ml
30) c-14	7.205	3516096	46.029 µg/ml
31) c-16	8.535	3450251	45.521 µg/ml
32) c-18	9.728	3414559	45.531 µg/ml
33) c-19	10.285	3383527	46.150 µg/ml
34) c-20	10.815	3319667	46.221 µg/ml
36) c-22	11.812	3288115	46.440 µg/ml
37) c-24	12.730	3065680	45.782 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:57:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
38)	c-26	13.582	3260990	46.520	µg/ml
39)	c-28	14.375	3155644	46.526	µg/ml
40) h	c-30	15.122	3152151	45.837	µg/ml
41) h	c-36	17.010	2883025	47.180	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.5

9

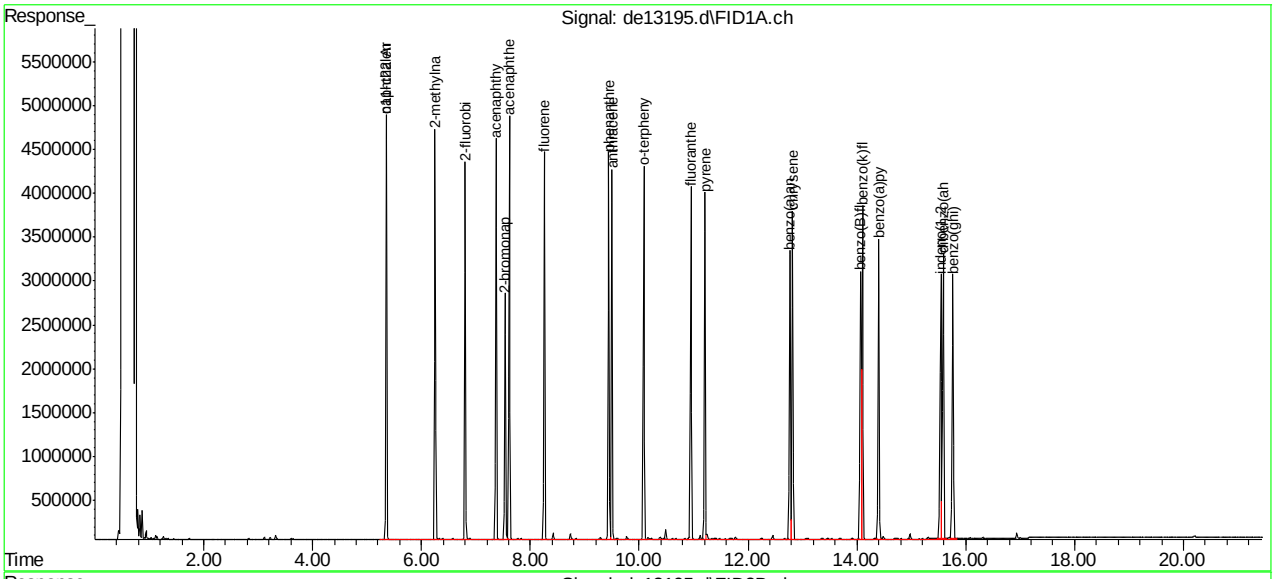
SGS ACCUTEST MC45754

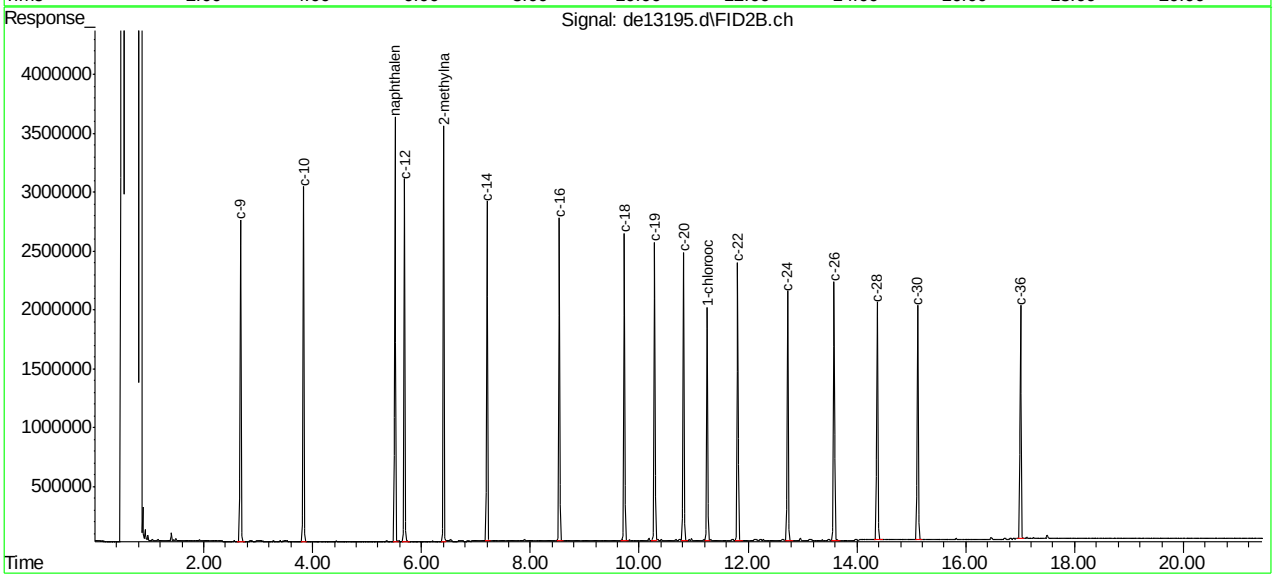
Quantitation Report (QT Reviewed)

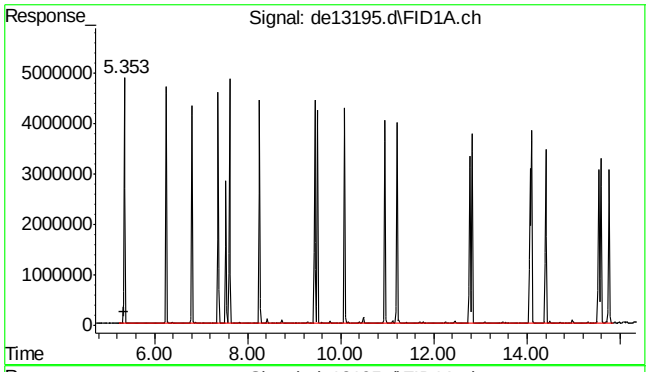
Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:57:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

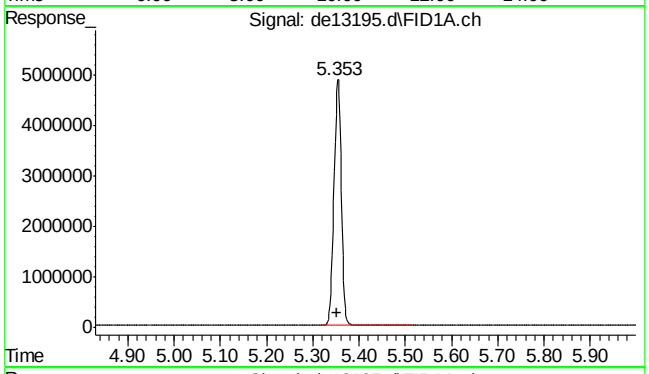






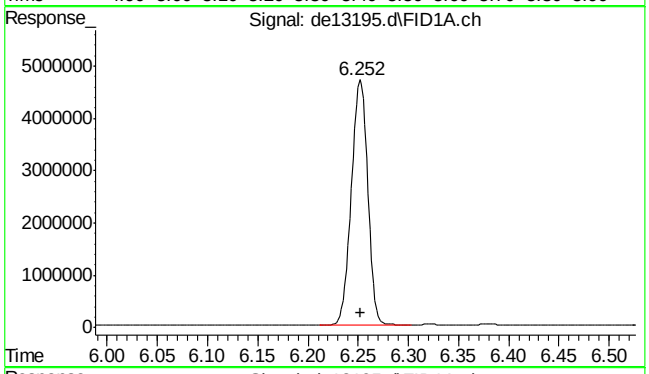
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 87424928
Conc: 52.82 µg/ml m



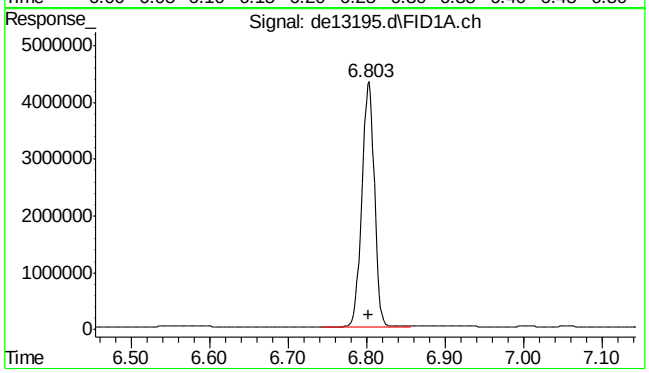
#2 naphthalene

R.T.: 5.353 min
Delta R.T.: 0.000 min
Response: 5345223
Conc: 51.09 µg/ml



#3 2-methylnaphthalene

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 5287222
Conc: 50.95 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.803 min
Delta R.T.: 0.000 min
Response: 4755859
Conc: 50.97 µg/ml

9.4.5

9

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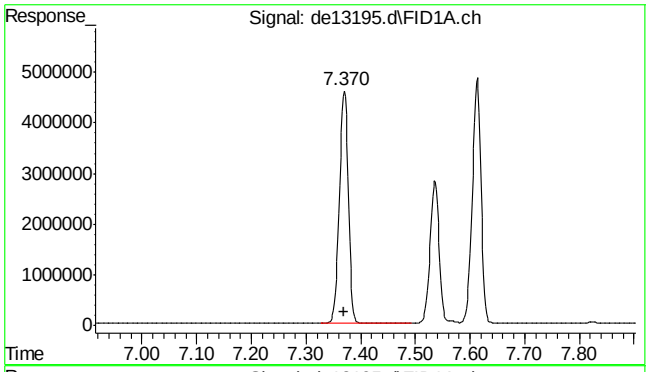
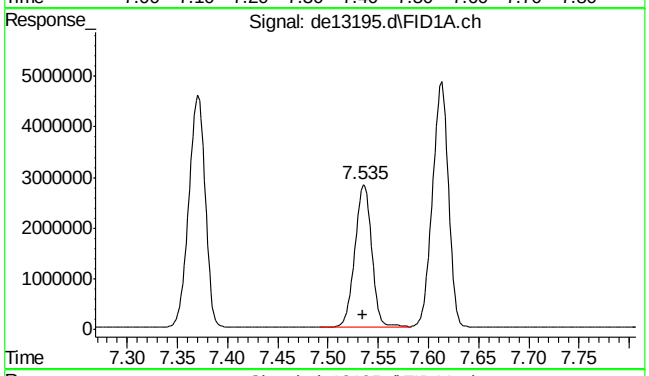


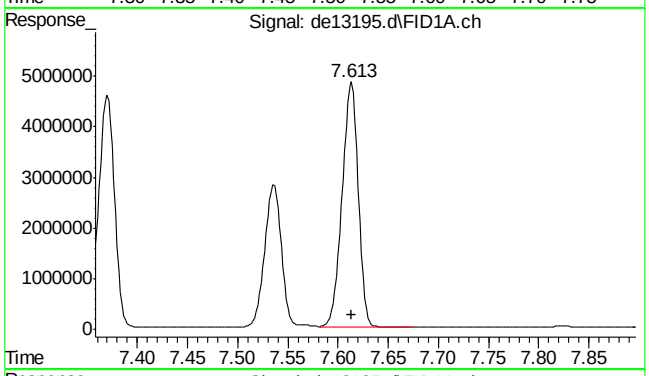
#5 acenaphthylene

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 5189849
Conc: 50.86 µg/ml



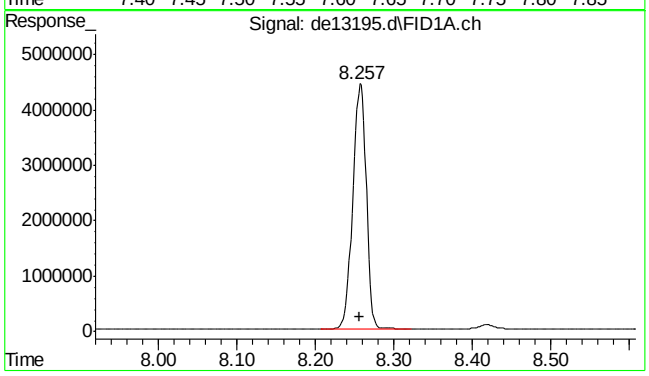
#6 2-bromonaphthalene

R.T.: 7.535 min
Delta R.T.: 0.000 min
Response: 3250284
Conc: 51.24 µg/ml



#7 acenaphthene

R.T.: 7.613 min
Delta R.T.: 0.000 min
Response: 5354326
Conc: 51.25 µg/ml



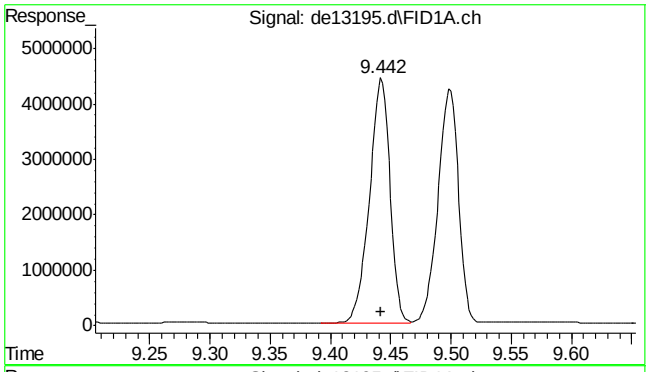
#8 fluorene

R.T.: 8.257 min
Delta R.T.: 0.000 min
Response: 5242546
Conc: 51.07 µg/ml

9.4.5

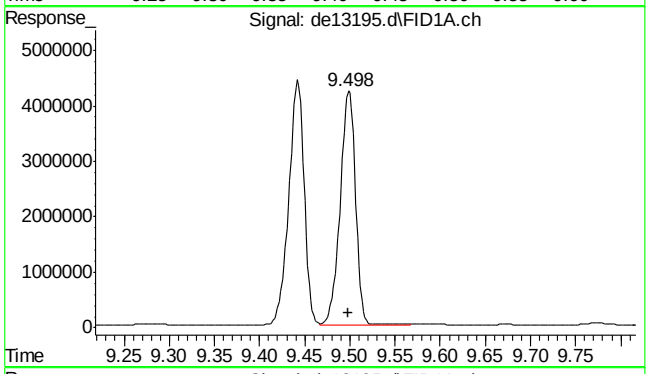
9

SGS ACCUTEST MC45754



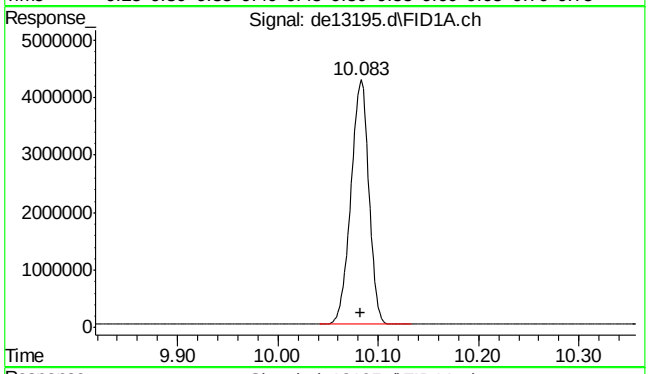
#9 phenanthrene

R.T.: 9.442 min
Delta R.T.: 0.000 min
Response: 5223164
Conc: 50.91 µg/ml



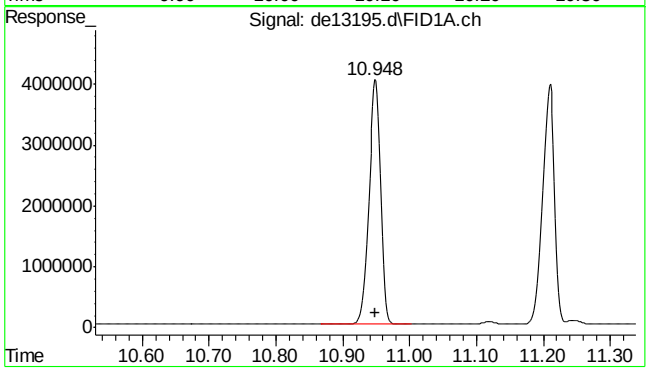
#10 anthracene

R.T.: 9.498 min
Delta R.T.: 0.000 min
Response: 4970359
Conc: 51.42 µg/ml



#11 o-terphenyl

R.T.: 10.083 min
Delta R.T.: 0.000 min
Response: 5257542
Conc: 50.99 µg/ml



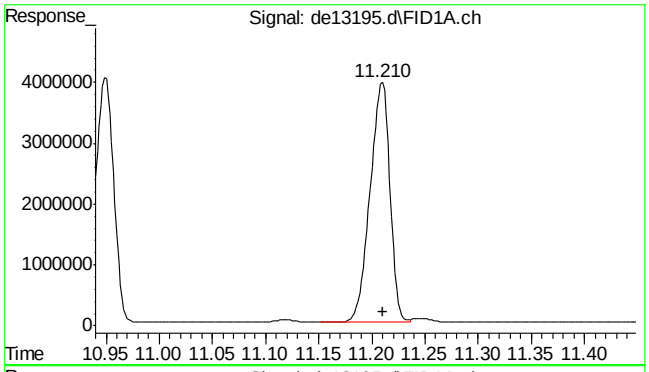
#12 fluoranthene

R.T.: 10.948 min
Delta R.T.: 0.000 min
Response: 5079973
Conc: 50.44 µg/ml

9.4.5

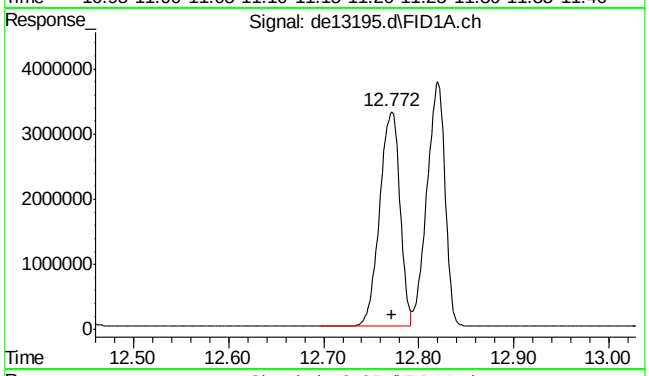
9

SGS ACCUTEST MC45754



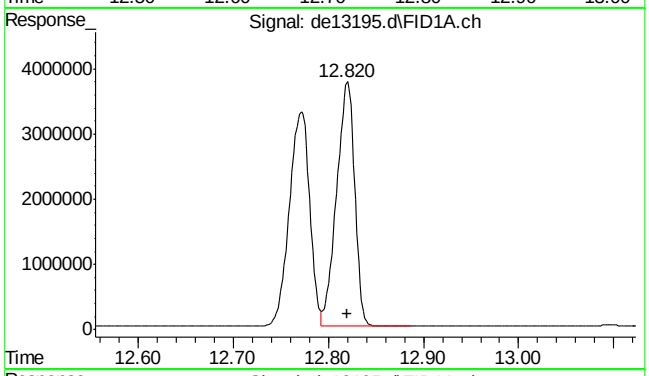
#13 pyrene

R.T.: 11.210 min
Delta R.T.: 0.000 min
Response: 5123787
Conc: 50.16 µg/ml



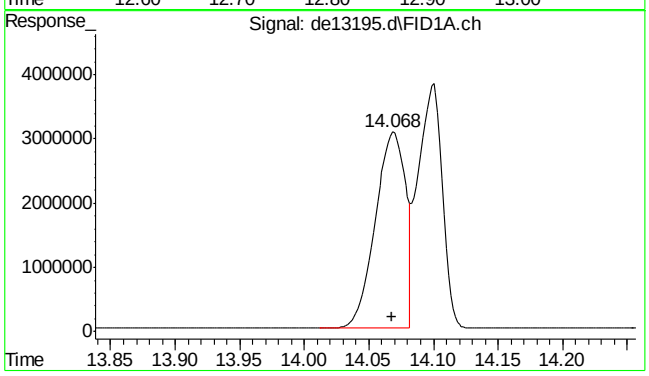
#14 benzo(a)anthracene

R.T.: 12.772 min
Delta R.T.: 0.000 min
Response: 4883350
Conc: 50.33 µg/ml



#15 chrysene

R.T.: 12.820 min
Delta R.T.: 0.000 min
Response: 4951740
Conc: 50.66 µg/ml



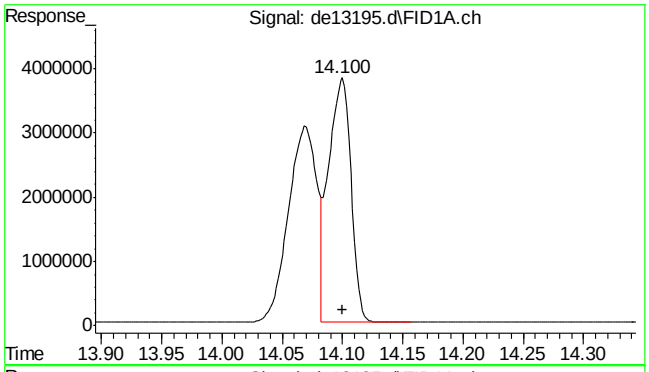
#16 benzo(B)fluoranthene

R.T.: 14.068 min
Delta R.T.: 0.000 min
Response: 4980192
Conc: 49.82 µg/ml

9.4.5

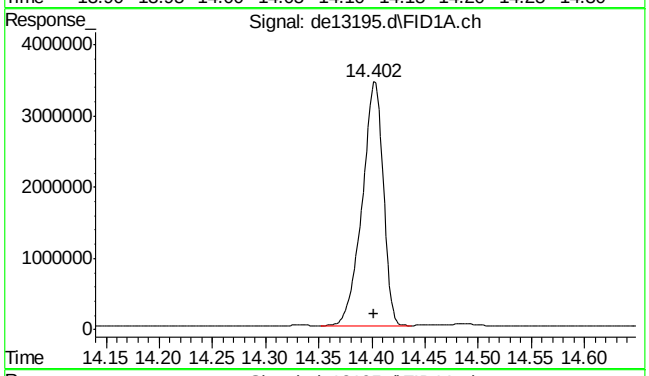
9

SGS ACCUTEST MC45754



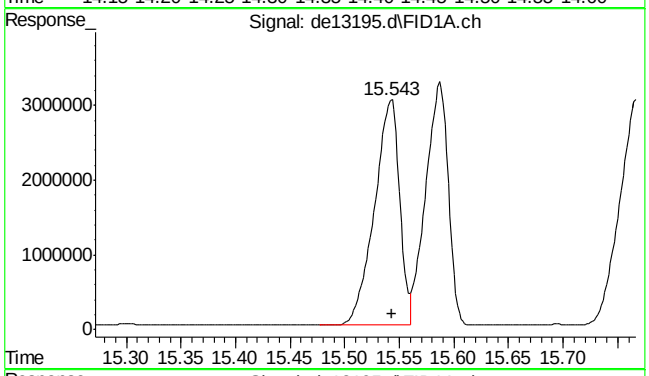
#17 benzo(k)fluoranthene

R.T.: 14.100 min
Delta R.T.: 0.000 min
Response: 4922694
Conc: 51.39 µg/ml



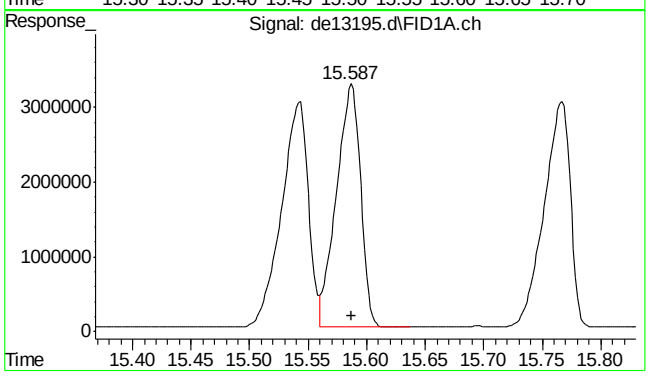
#18 benzo(a)pyrene

R.T.: 14.402 min
Delta R.T.: 0.000 min
Response: 4724847
Conc: 50.44 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.543 min
Delta R.T.: 0.000 min
Response: 4854725
Conc: 50.33 µg/ml m



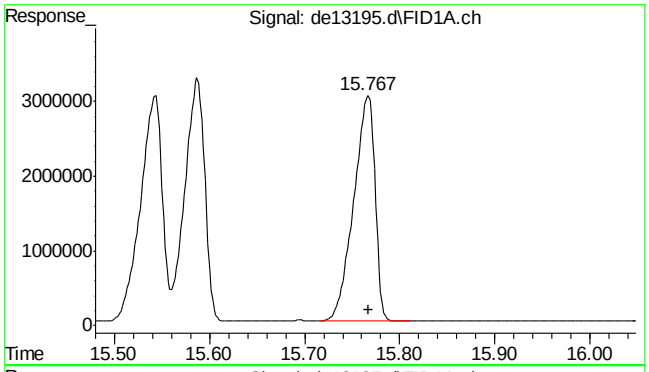
#20 dibenzo(ah)anthracene

R.T.: 15.587 min
Delta R.T.: 0.000 min
Response: 4685536
Conc: 50.80 µg/ml m

9.4.5

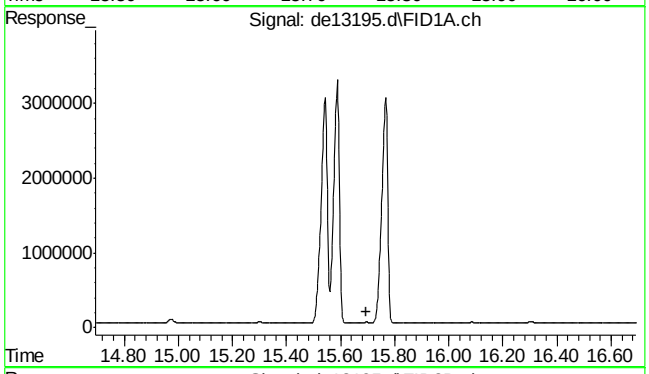
9

SGS ACCUTEST MC45754



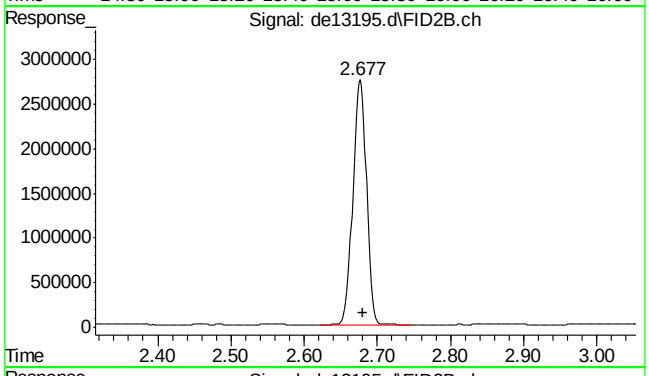
#21 benzo(ghi)perylene

R.T.: 15.767 min
Delta R.T.: 0.000 min
Response: 4705124
Conc: 50.47 µg/ml



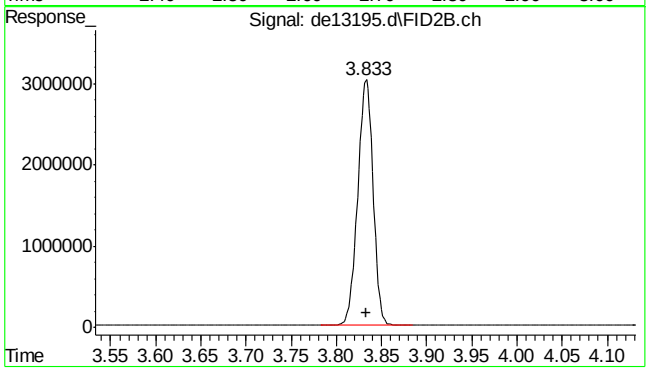
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 3541836
Conc: 46.37 µg/ml m



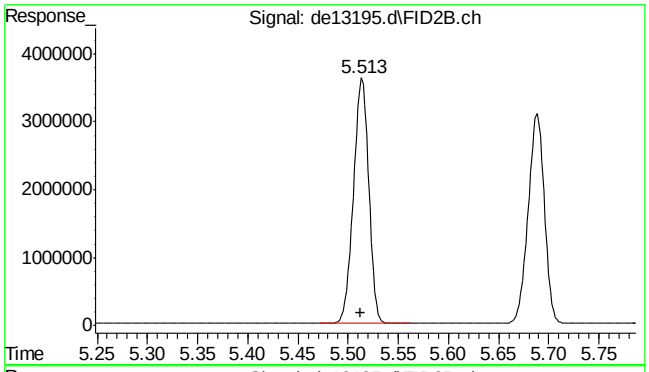
#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 3570776
Conc: 46.37 µg/ml

9.4.5

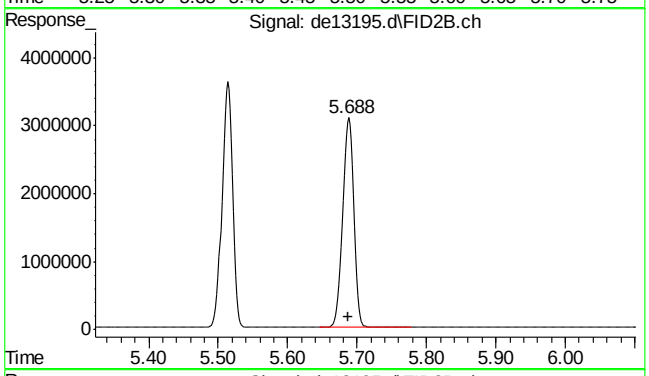
9

SGS ACCUTEST MC45754



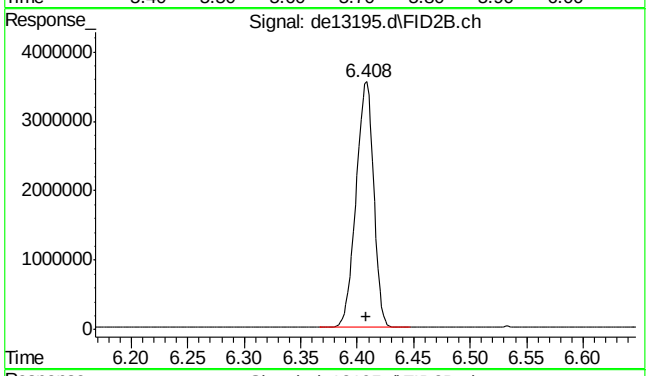
#27 naphthalene #2

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 3805435
Conc: 47.63 µg/ml



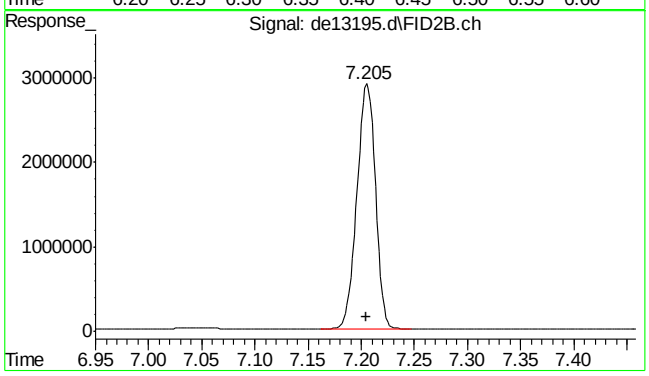
#28 c-12

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 3545795
Conc: 46.34 µg/ml



#29 2-methylnaphthalene #2

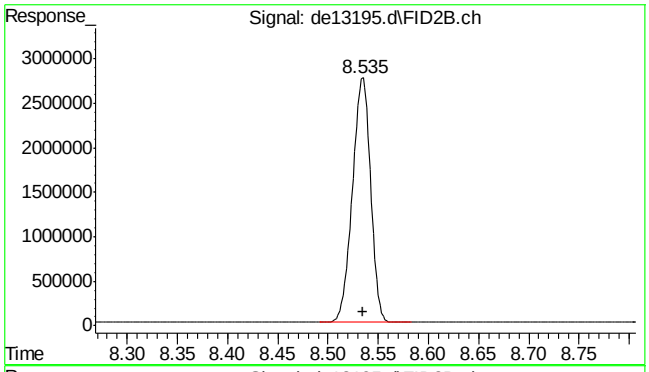
R.T.: 6.408 min
Delta R.T.: 0.000 min
Response: 3803724
Conc: 46.79 µg/ml



#30 c-14

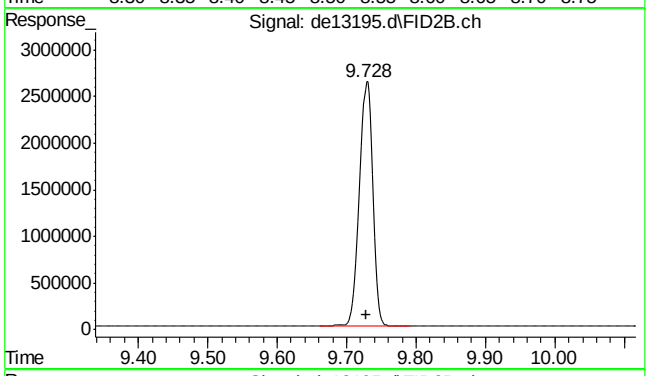
R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 3516096
Conc: 46.03 µg/ml

SGS ACCUTEST MC45754



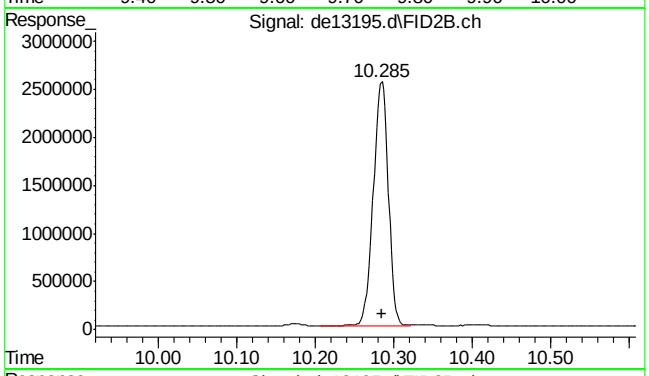
#31 c-16

R.T.: 8.535 min
Delta R.T.: 0.000 min
Response: 3450251
Conc: 45.52 µg/ml



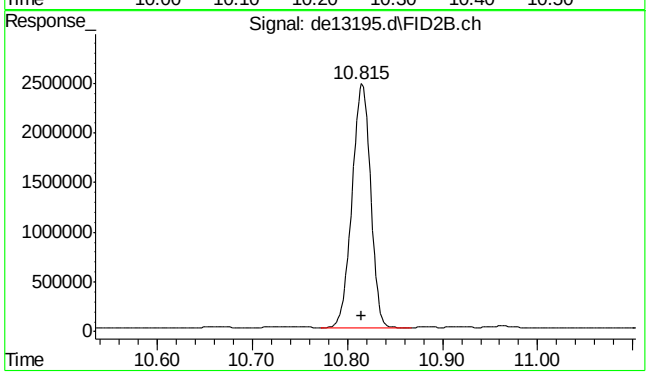
#32 c-18

R.T.: 9.728 min
Delta R.T.: 0.000 min
Response: 3414559
Conc: 45.53 µg/ml



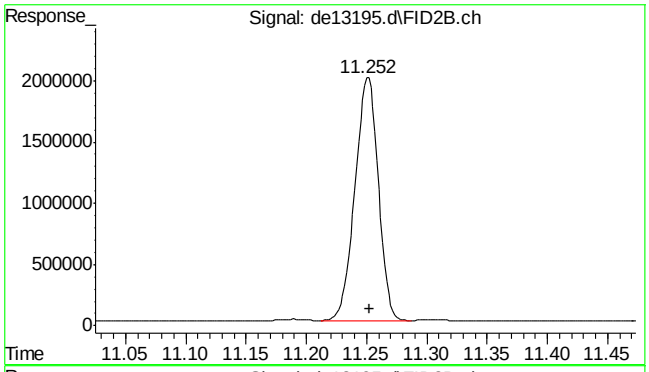
#33 c-19

R.T.: 10.285 min
Delta R.T.: 0.000 min
Response: 3383527
Conc: 46.15 µg/ml



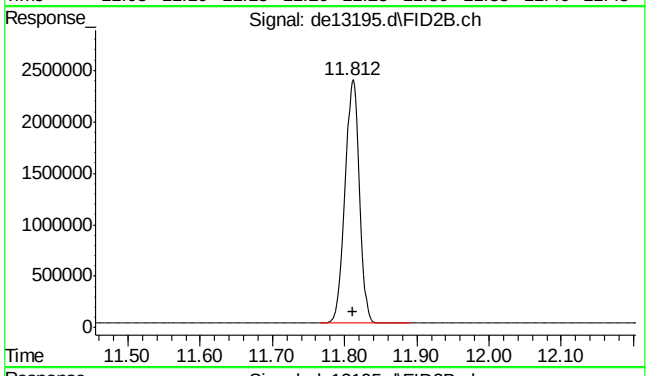
#34 c-20

R.T.: 10.815 min
Delta R.T.: 0.000 min
Response: 3319667
Conc: 46.22 µg/ml



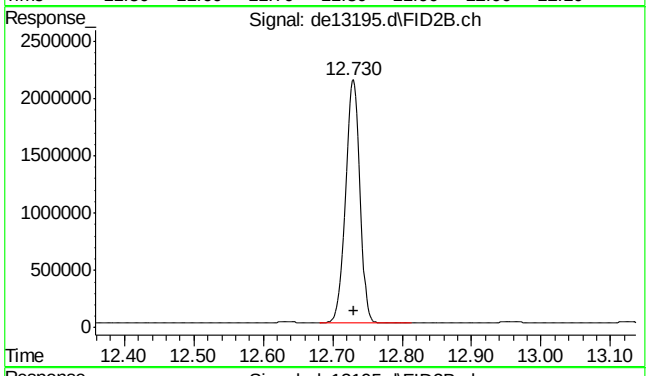
#35 1-chlorooctadecane

R.T.: 11.252 min
Delta R.T.: 0.000 min
Response: 2679754
Conc: 47.47 µg/ml



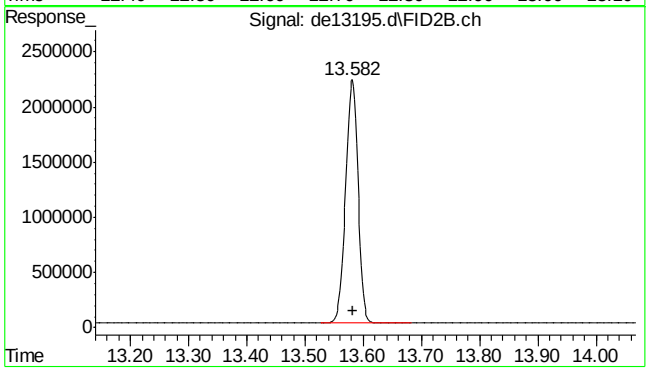
#36 c-22

R.T.: 11.812 min
Delta R.T.: 0.000 min
Response: 3288115
Conc: 46.44 µg/ml



#37 c-24

R.T.: 12.730 min
Delta R.T.: 0.000 min
Response: 3065680
Conc: 45.78 µg/ml



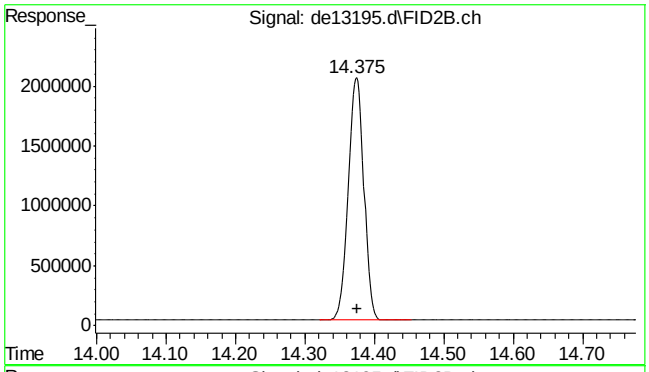
#38 c-26

R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 3260990
Conc: 46.52 µg/ml

9.4.5

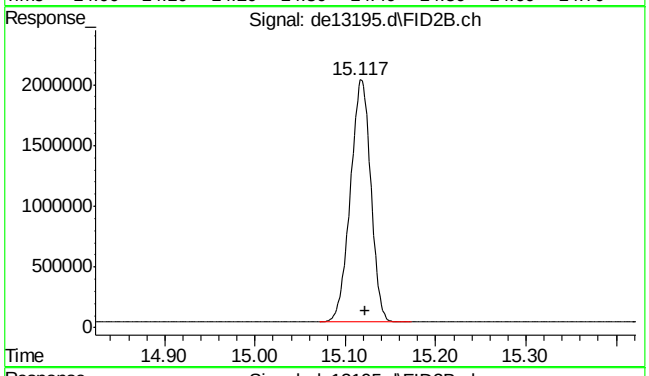
9

SGS ACCUTEST MC45754



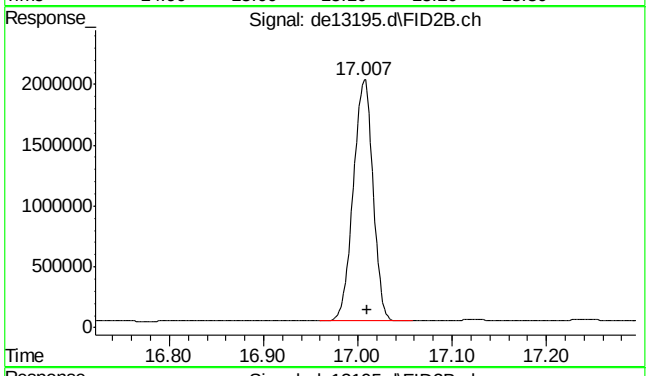
#39 c-28

R.T.: 14.375 min
Delta R.T.: 0.000 min
Response: 3155644
Conc: 46.53 µg/ml



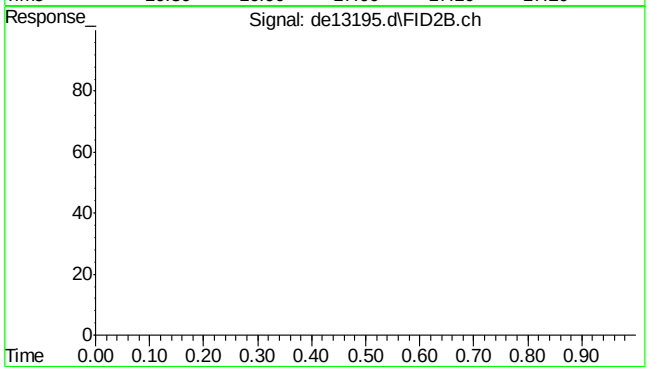
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 3152151
Conc: 45.84 µg/ml



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 2883025
Conc: 47.18 µg/ml m



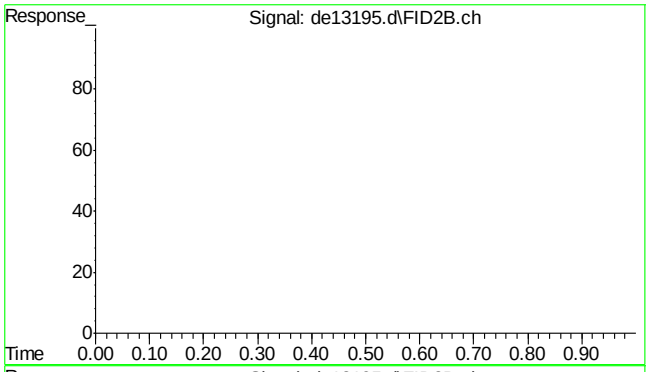
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.5

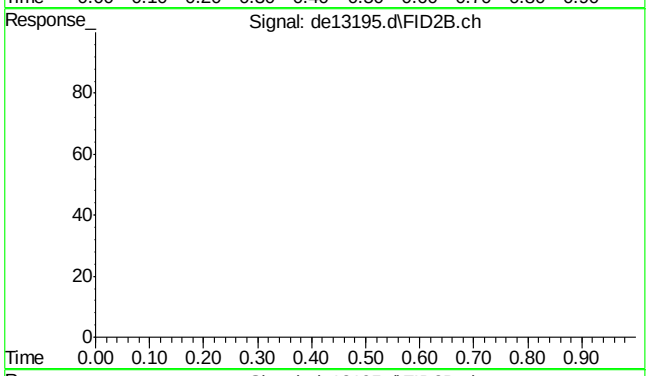
9

SGS ACCUTEST MC45754



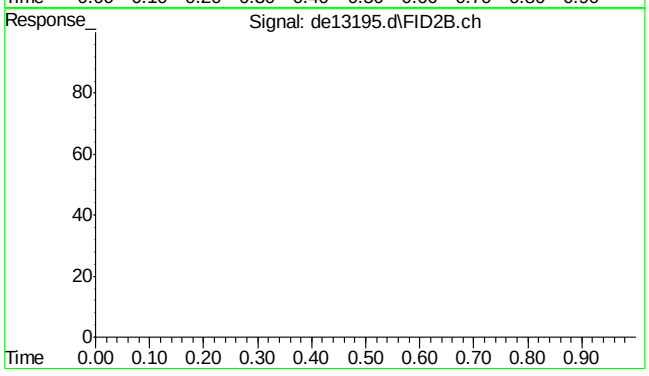
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

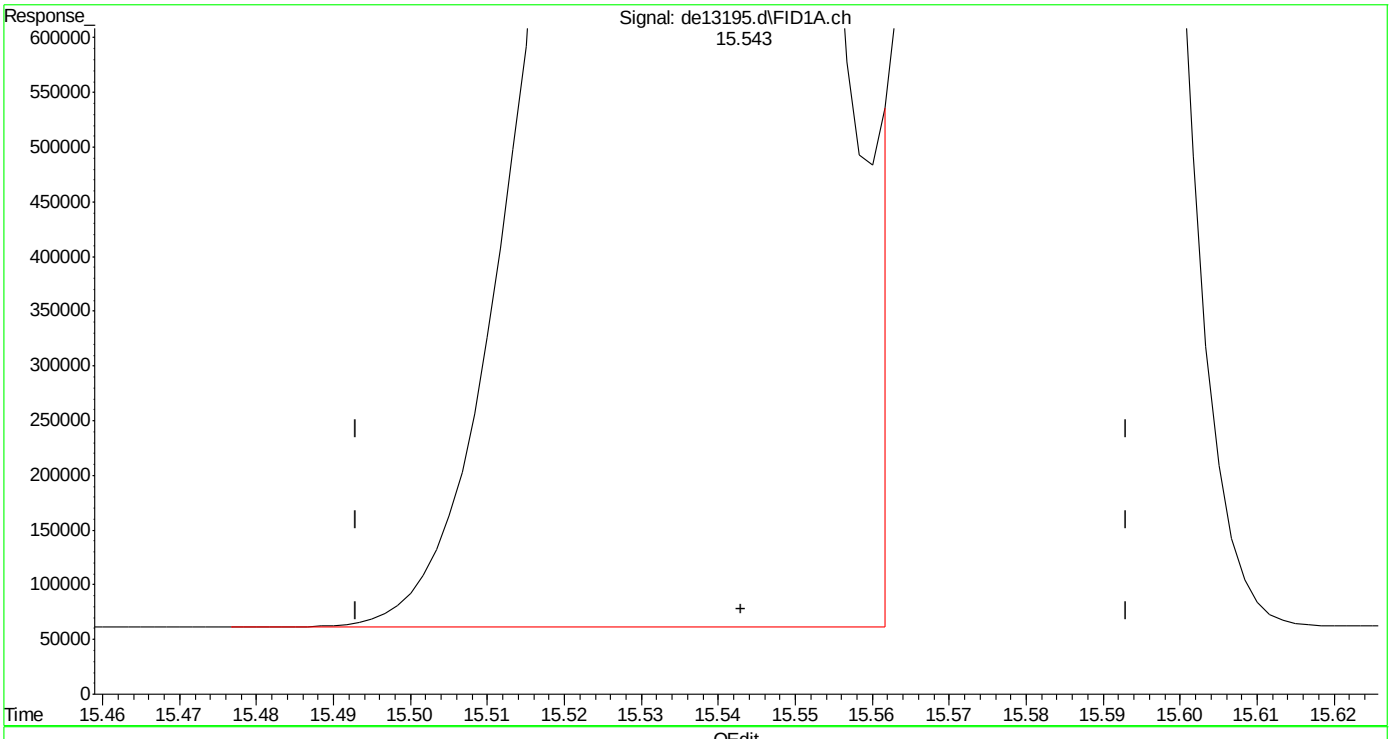
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:55:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.543min 50.804 µg/ml
response 4900817

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:56:07 2016

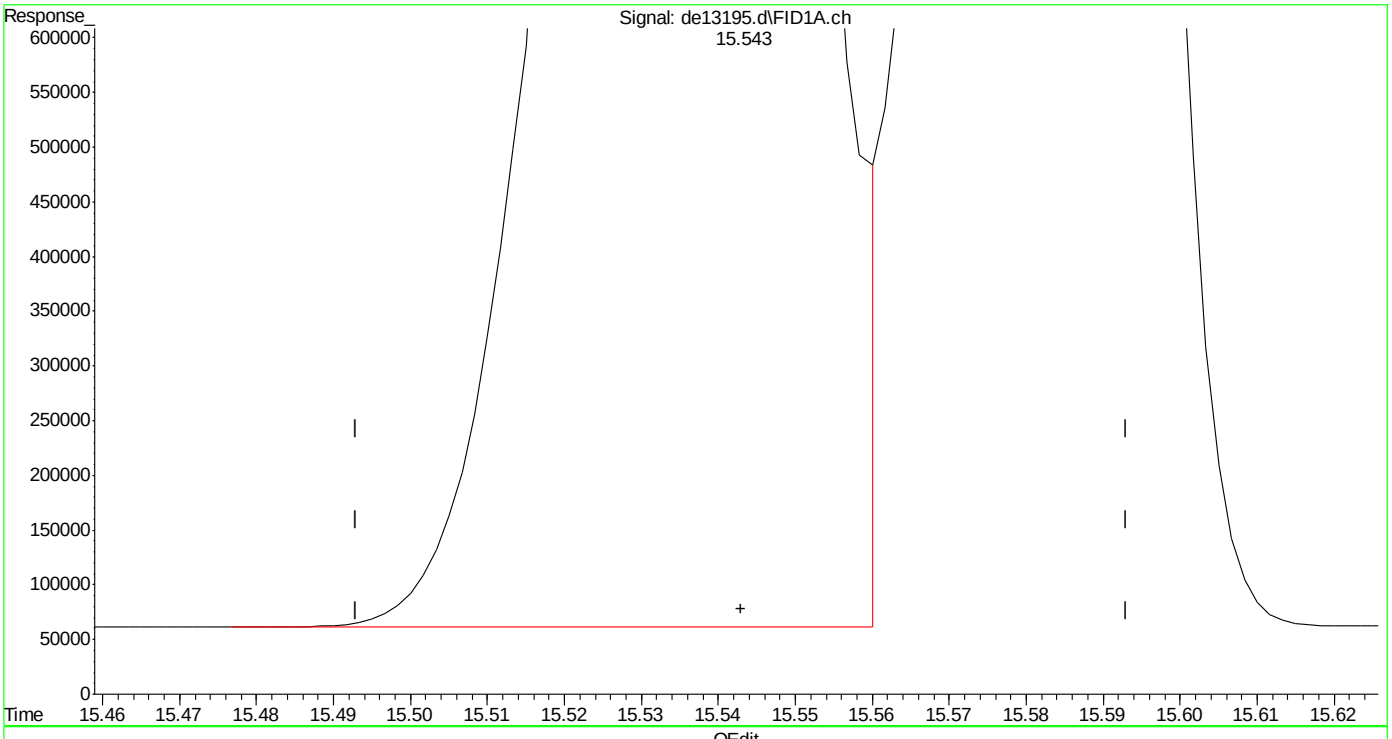
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:55:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.543min 50.326 µg/ml m
response 4854725

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:56:17 2016

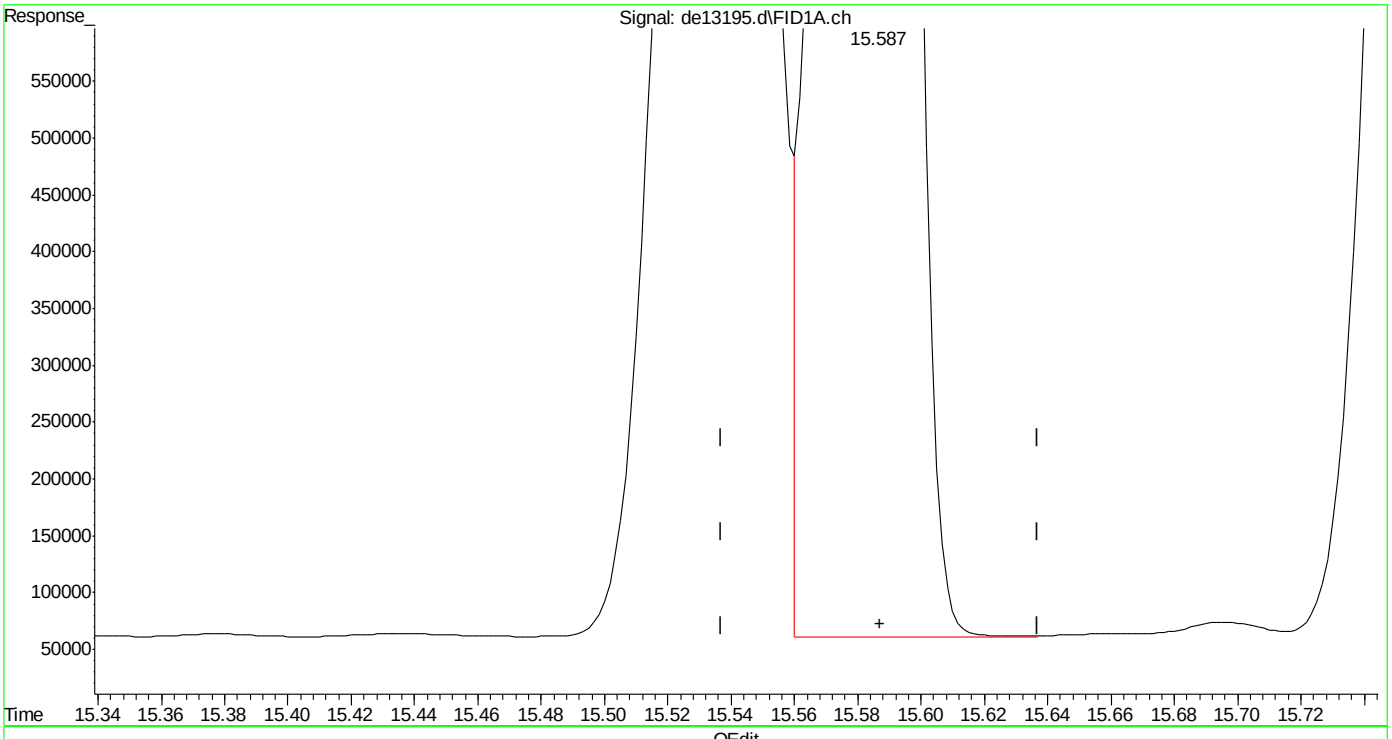
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:55:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.587min 50.795 µg/ml m
response 4685536

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:56:35 2016

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:26 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.807	8980683	96.248 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 481.24%#	
6) s 2-bromonaphthalene	7.540	6121297	96.499 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 482.49%#	
11) s o-terphenyl	10.087	9937595	96.373 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 481.87%#	
35) s 1-chlorooctadecane	11.253	5337791	94.549 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 472.75%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	164719881	99.532 µg/mlm
2) naphthalene	5.358	10142634	96.942 µg/ml
3) 2-methylnaphthalene	6.257	9997868	96.348 µg/ml
5) acenaphthylene	7.375	9776029	95.799 µg/ml
7) acenaphthene	7.618	10095451	96.622 µg/ml
8) fluorene	8.263	9889893	96.350 µg/ml
9) phenanthrene	9.448	9875264	96.257 µg/ml
10) anthracene	9.507	9378790	97.021 µg/ml
12) fluoranthene	10.957	9629565	95.613 µg/ml
13) pyrene	11.217	9876553	96.690 µg/ml
14) benzo(a)anthracene	12.778	9324427	96.095 µg/mlm
15) chrysene	12.830	9386529	96.029 µg/mlm
16) benzo(B)fluoranthene	14.078	9460698	94.644 µg/ml
17) benzo(k)fluoranthene	14.113	9345183	97.563 µg/ml
18) benzo(a)pyrene	14.417	8964794	95.712 µg/ml
19) indeno(1,2,3-cd)pyrene	15.555	9240715	95.924 µg/ml
20) dibenzo(ah)anthracene	15.600	8726656	94.448 µg/ml
21) benzo(ghi)perylene	15.782	8869696	95.141 µg/ml
25) h c-9	2.680	7080731	92.721 µg/mlm
26) h c-10	3.833	7121293	92.471 µg/ml
27) naphthalene #2	5.518	7593446	95.036 µg/ml
28) c-12	5.692	7047399	92.105 µg/ml
29) 2-methylnaphthalene #2	6.412	7564728	93.063 µg/ml
30) c-14	7.208	6951061	90.996 µg/ml
31) c-16	8.538	6811631	89.870 µg/ml
32) c-18	9.732	6758324	90.119 µg/ml
33) c-19	10.288	6704725	91.450 µg/ml
34) c-20	10.818	6591283	91.774 µg/ml
36) c-22	11.815	6550653	92.519 µg/ml
37) c-24	12.733	6102937	91.140 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:26 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units
38)		c-26	13.585	6486501	92.533	µg/ml
39)		c-28	14.378	6270223	92.446	µg/ml
40)	h	c-30	15.122	6235140	90.668	µg/ml
41)	h	c-36	17.010	5572797	91.214	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.6

9

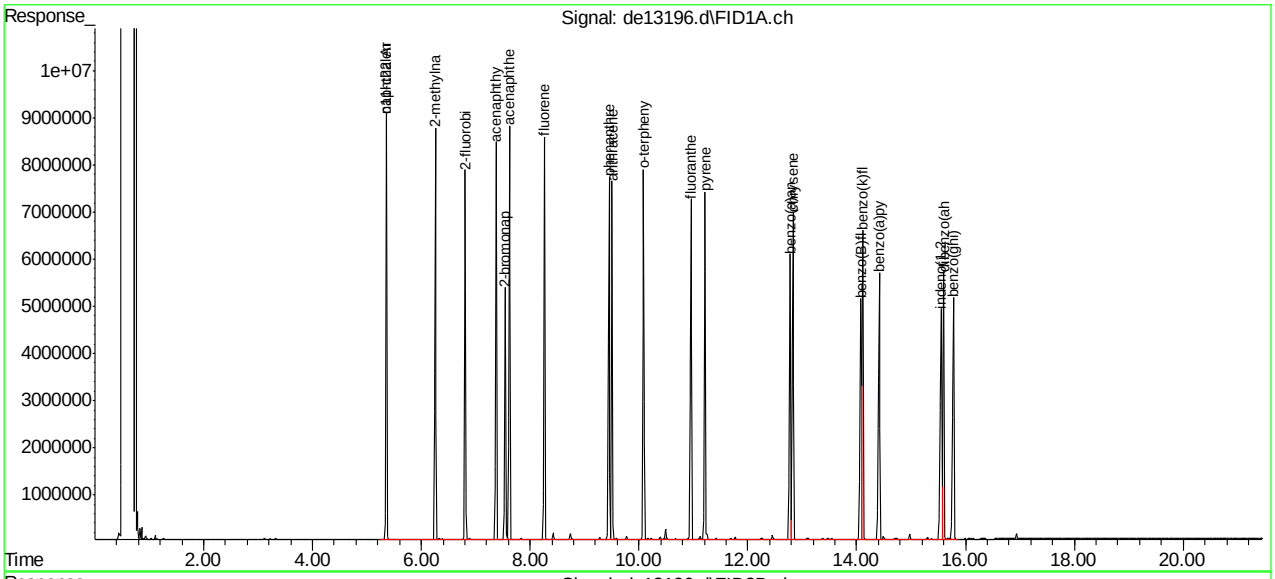
SGS ACCUTEST MC45754

Quantitation Report (QT Reviewed)

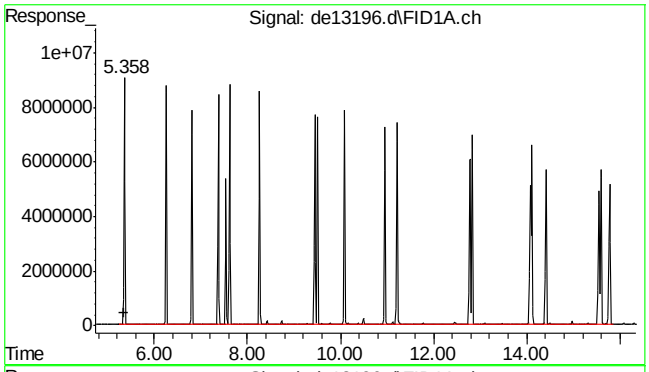
Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:26 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

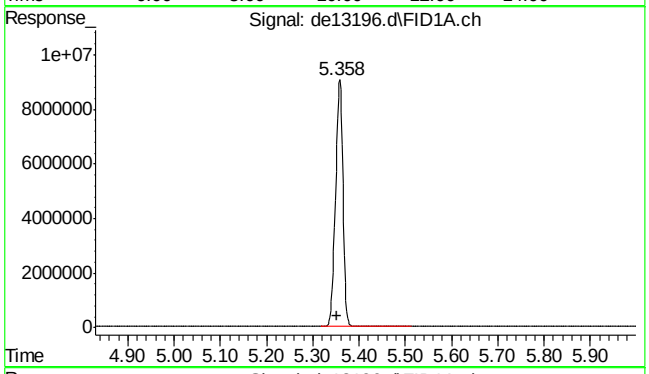


SGS ACCUTEST MC45754



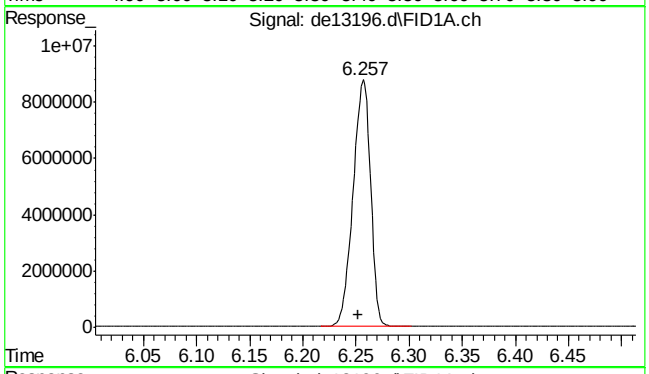
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 164719881
Conc: 99.53 µg/ml m



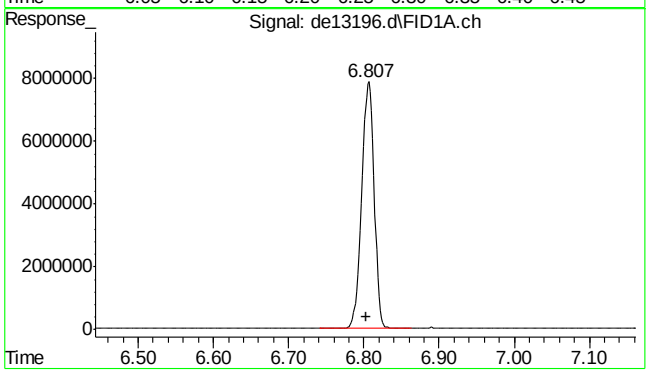
#2 naphthalene

R.T.: 5.358 min
Delta R.T.: 0.005 min
Response: 10142634
Conc: 96.94 µg/ml



#3 2-methylnaphthalene

R.T.: 6.257 min
Delta R.T.: 0.005 min
Response: 9997868
Conc: 96.35 µg/ml



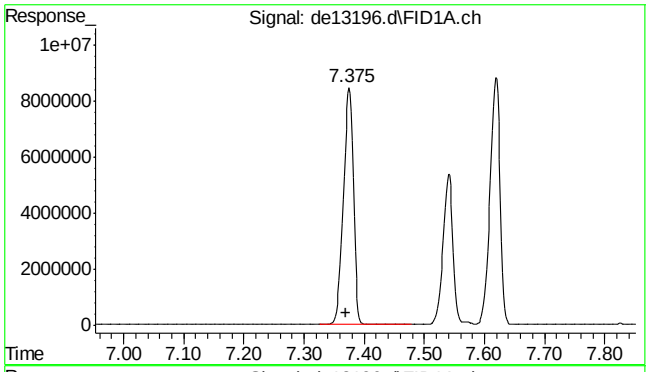
#4 2-fluorobiphenyl

R.T.: 6.807 min
Delta R.T.: 0.004 min
Response: 8980683
Conc: 96.25 µg/ml

9.4.6

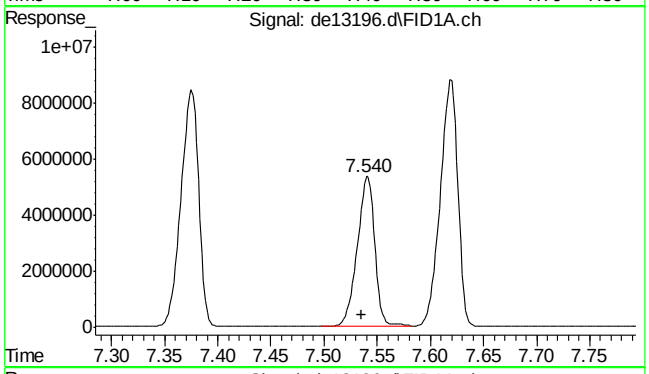
9

SGS ACCUTEST MC45754



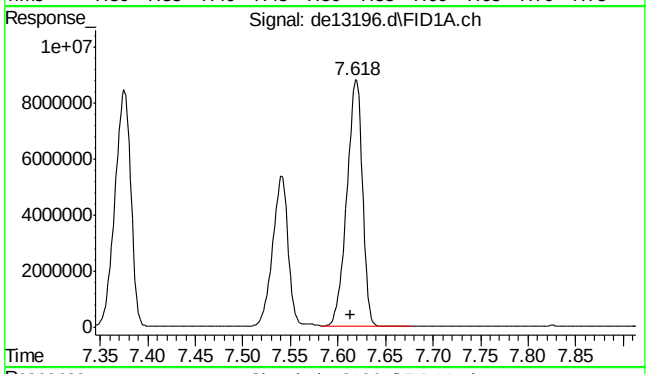
#5 acenaphthylene

R.T.: 7.375 min
Delta R.T.: 0.005 min
Response: 9776029
Conc: 95.80 µg/ml



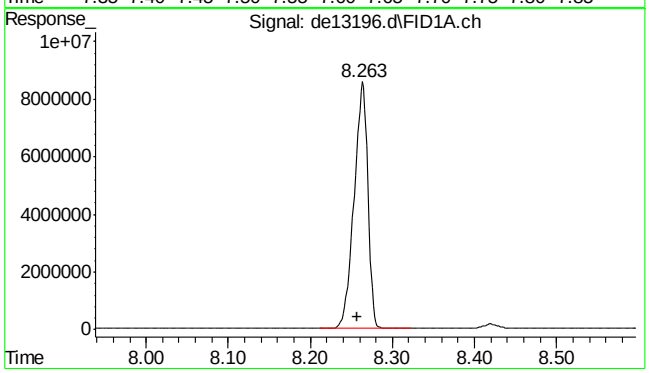
#6 2-bromonaphthalene

R.T.: 7.540 min
Delta R.T.: 0.005 min
Response: 6121297
Conc: 96.50 µg/ml



#7 acenaphthene

R.T.: 7.618 min
Delta R.T.: 0.005 min
Response: 10095451
Conc: 96.62 µg/ml



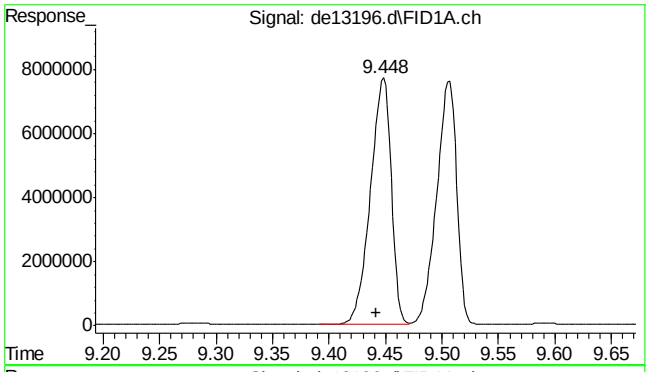
#8 fluorene

R.T.: 8.263 min
Delta R.T.: 0.006 min
Response: 9889893
Conc: 96.35 µg/ml

9.4.6

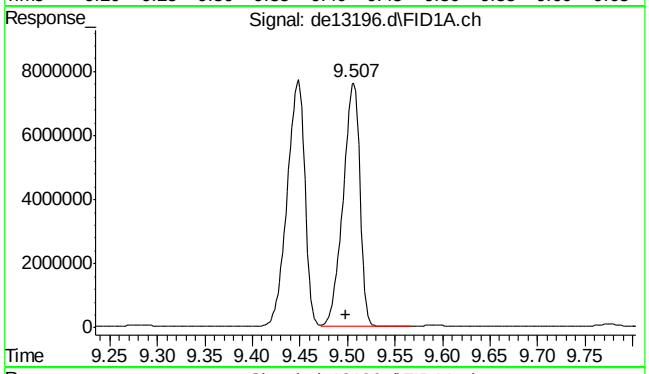
9

SGS ACCUTEST MC45754



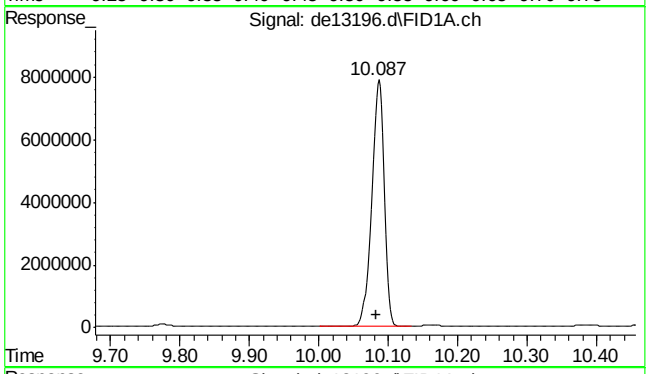
#9 phenanthrene

R.T.: 9.448 min
Delta R.T.: 0.006 min
Response: 9875264
Conc: 96.26 µg/ml



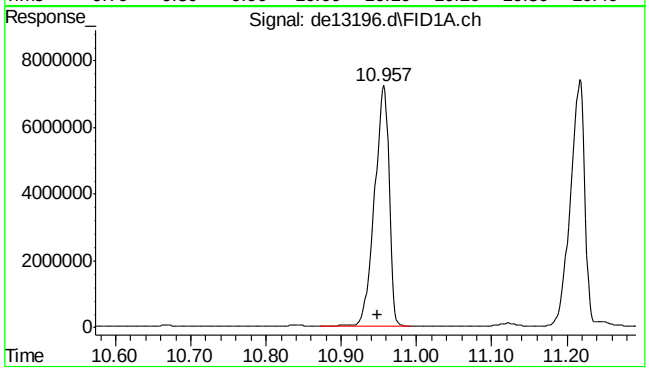
#10 anthracene

R.T.: 9.507 min
Delta R.T.: 0.009 min
Response: 9378790
Conc: 97.02 µg/ml



#11 o-terphenyl

R.T.: 10.087 min
Delta R.T.: 0.004 min
Response: 9937595
Conc: 96.37 µg/ml



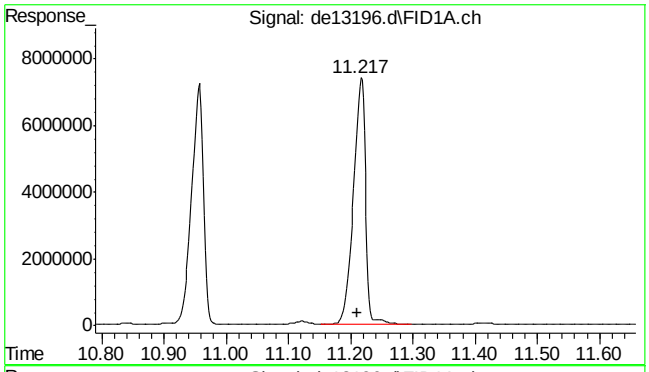
#12 fluoranthene

R.T.: 10.957 min
Delta R.T.: 0.009 min
Response: 9629565
Conc: 95.61 µg/ml

9.4.6

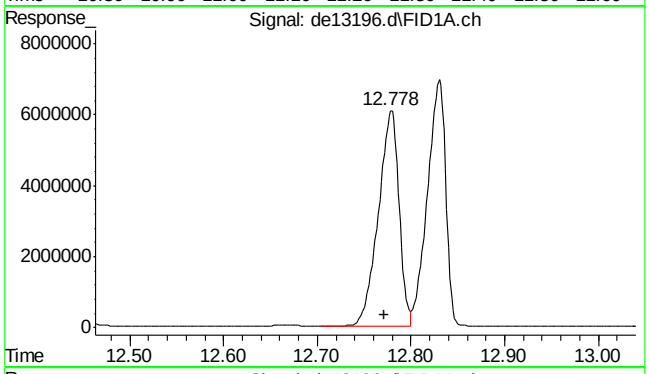
9

SGS ACCUTEST MC45754



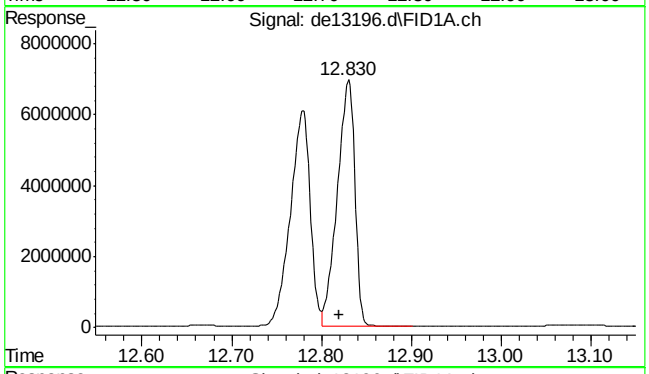
#13 pyrene

R.T.: 11.217 min
Delta R.T.: 0.007 min
Response: 9876553
Conc: 96.69 µg/ml



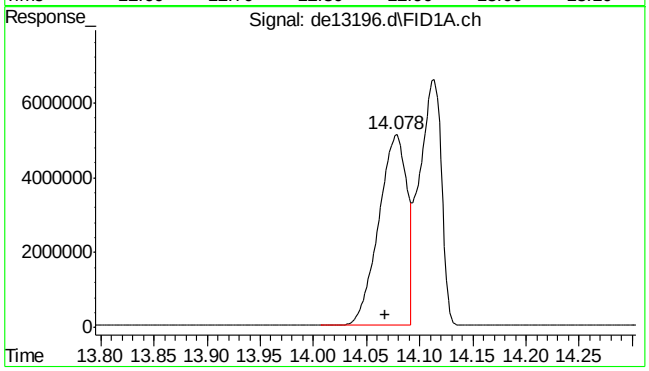
#14 benzo(a)anthracene

R.T.: 12.778 min
Delta R.T.: 0.006 min
Response: 9324427
Conc: 96.10 µg/ml m



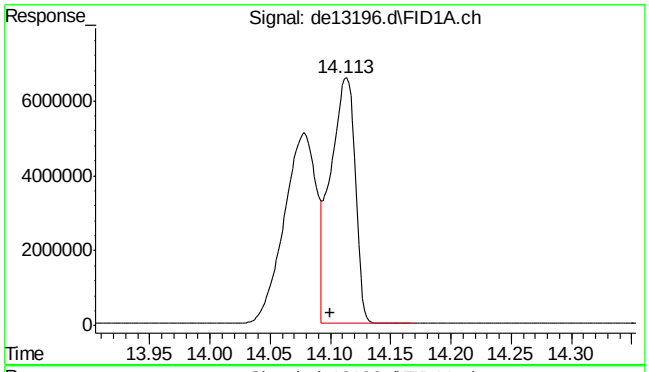
#15 chrysene

R.T.: 12.830 min
Delta R.T.: 0.010 min
Response: 9386529
Conc: 96.03 µg/ml m



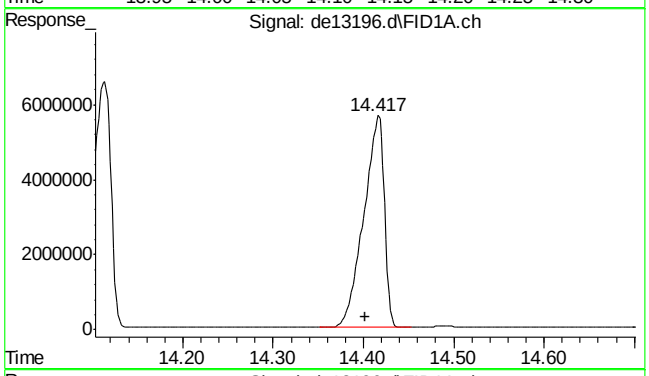
#16 benzo(B)fluoranthene

R.T.: 14.078 min
Delta R.T.: 0.010 min
Response: 9460698
Conc: 94.64 µg/ml



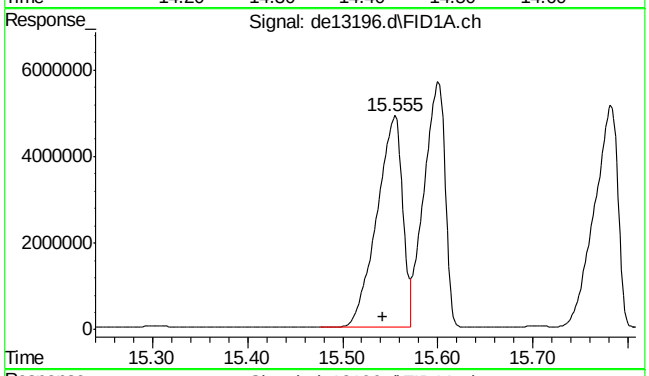
#17 benzo(k)fluoranthene

R.T.: 14.113 min
Delta R.T.: 0.013 min
Response: 9345183
Conc: 97.56 µg/ml



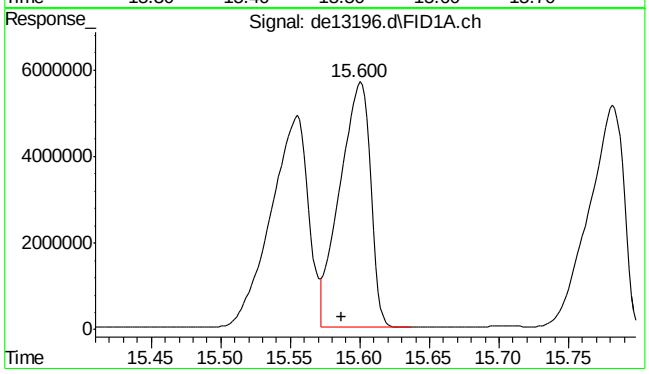
#18 benzo(a)pyrene

R.T.: 14.417 min
Delta R.T.: 0.015 min
Response: 8964794
Conc: 95.71 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.555 min
Delta R.T.: 0.012 min
Response: 9240715
Conc: 95.92 µg/ml



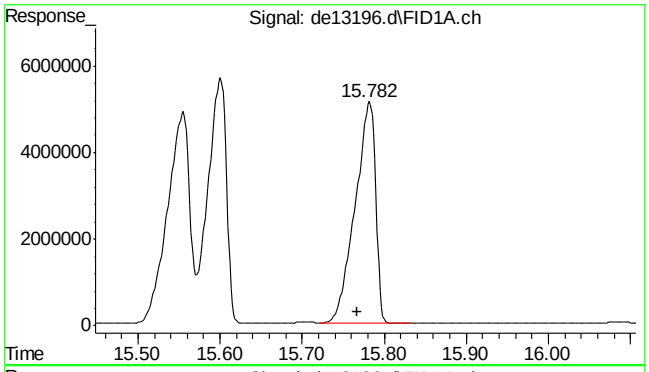
#20 dibenzo(ah)anthracene

R.T.: 15.600 min
Delta R.T.: 0.013 min
Response: 8726656
Conc: 94.45 µg/ml

9.4.6

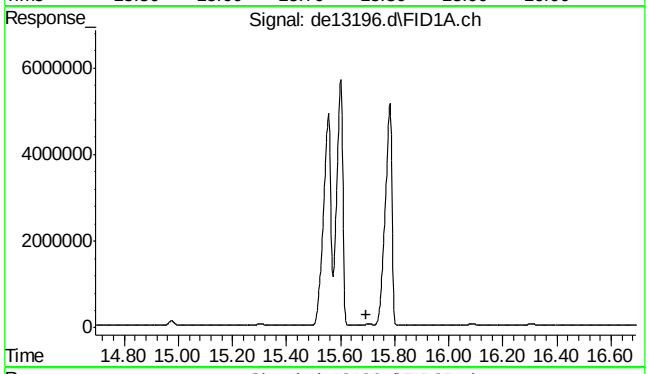
9

SGS ACCUTEST MC45754



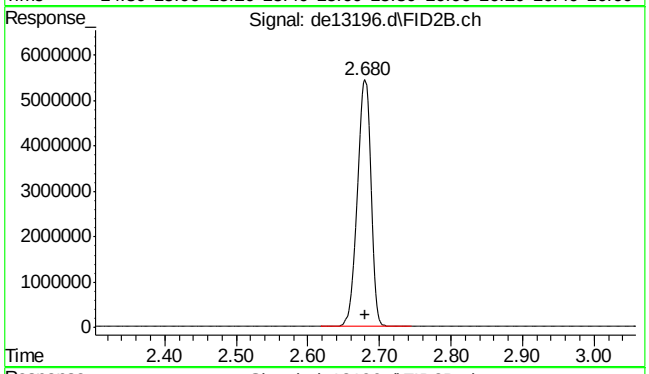
#21 benzo(ghi)perylene

R.T.: 15.782 min
Delta R.T.: 0.015 min
Response: 8869696
Conc: 95.14 µg/ml



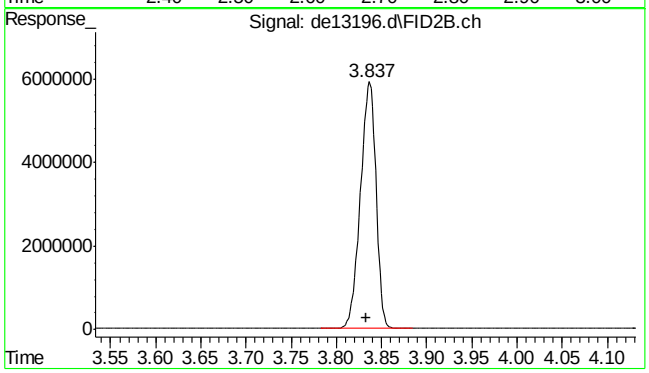
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 7080731
Conc: 92.72 µg/ml m



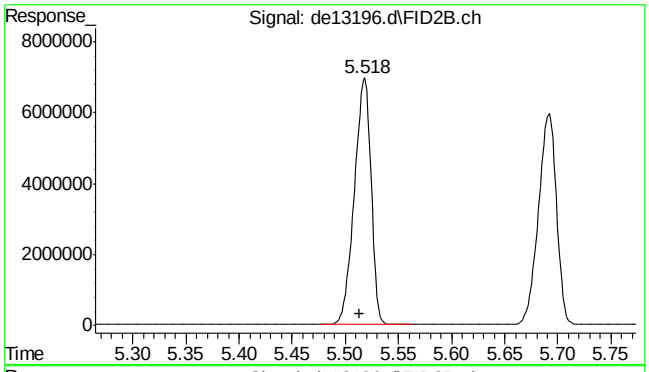
#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 7121293
Conc: 92.47 µg/ml

9.4.6

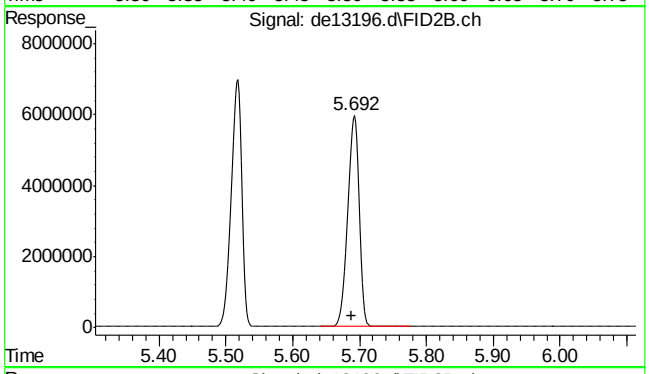
9

SGS ACCUTEST MC45754



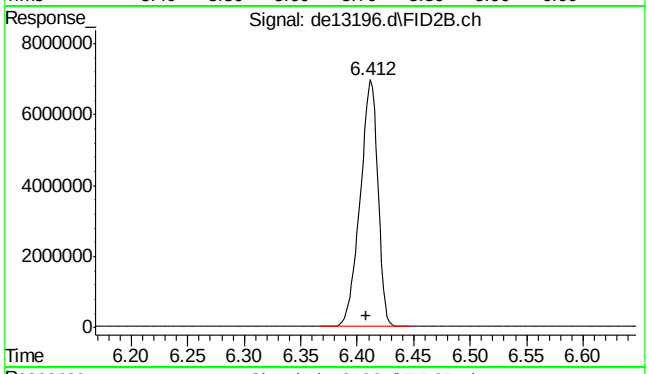
#27 naphthalene #2

R.T.: 5.518 min
Delta R.T.: 0.005 min
Response: 7593446
Conc: 95.04 µg/ml



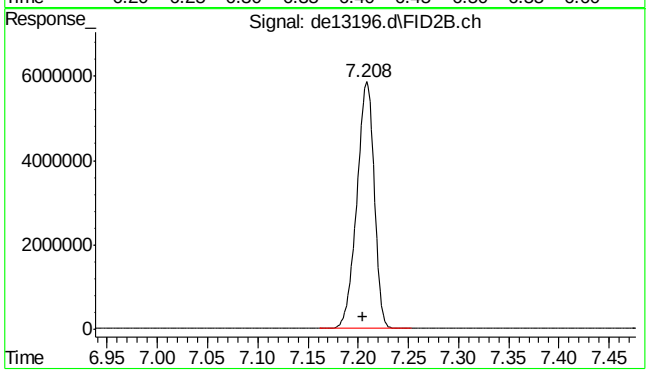
#28 c-12

R.T.: 5.692 min
Delta R.T.: 0.004 min
Response: 7047399
Conc: 92.10 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.412 min
Delta R.T.: 0.004 min
Response: 7564728
Conc: 93.06 µg/ml



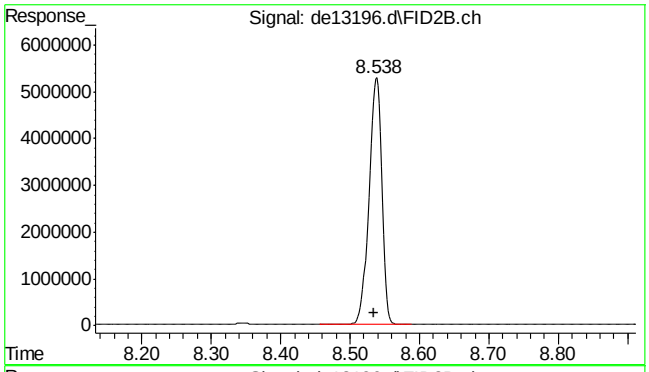
#30 c-14

R.T.: 7.208 min
Delta R.T.: 0.003 min
Response: 6951061
Conc: 91.00 µg/ml

9.4.6

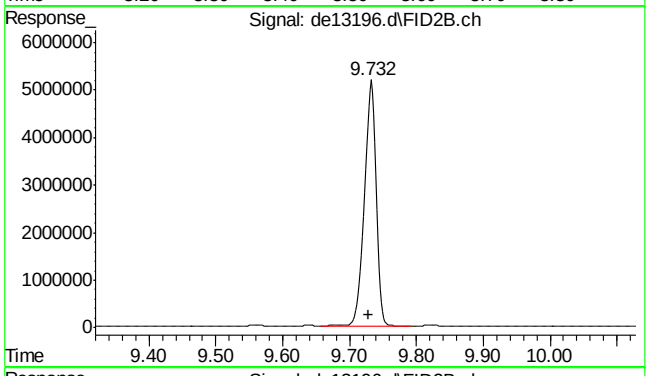
9

SGS ACCUTEST MC45754



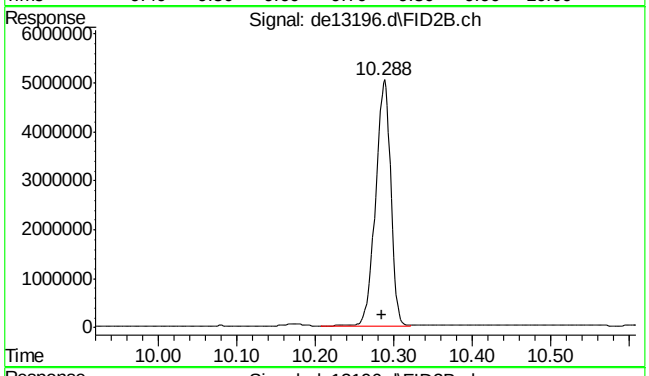
#31 c-16

R.T.: 8.538 min
Delta R.T.: 0.003 min
Response: 6811631
Conc: 89.87 µg/ml



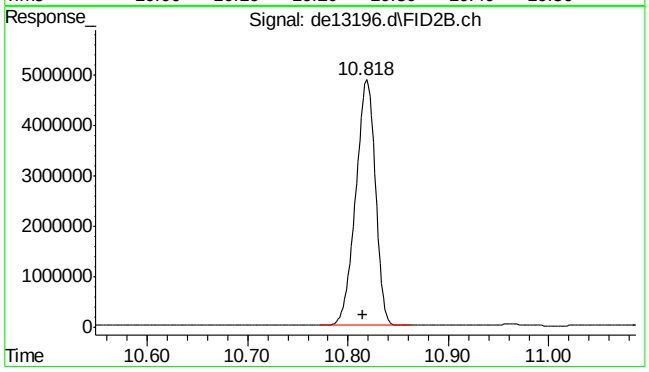
#32 c-18

R.T.: 9.732 min
Delta R.T.: 0.004 min
Response: 6758324
Conc: 90.12 µg/ml



#33 c-19

R.T.: 10.288 min
Delta R.T.: 0.003 min
Response: 6704725
Conc: 91.45 µg/ml



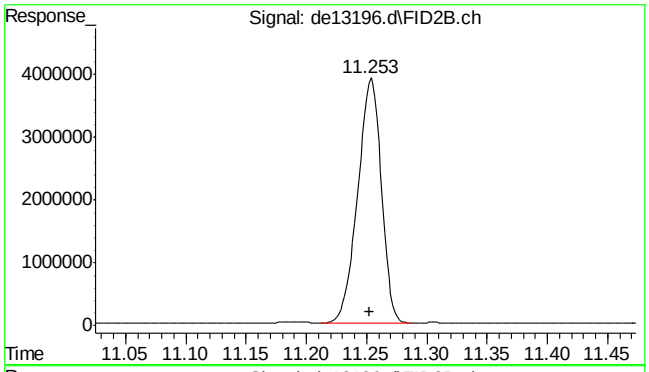
#34 c-20

R.T.: 10.818 min
Delta R.T.: 0.003 min
Response: 6591283
Conc: 91.77 µg/ml

9.4.6

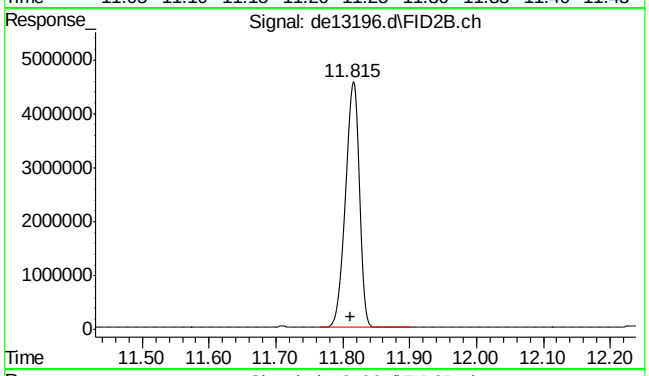
9

SGS ACCUTEST MC45754



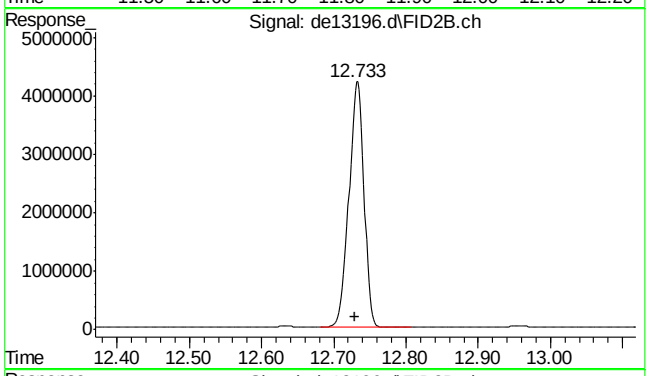
#35 1-chlorooctadecane

R.T.: 11.253 min
Delta R.T.: 0.001 min
Response: 5337791
Conc: 94.55 µg/ml



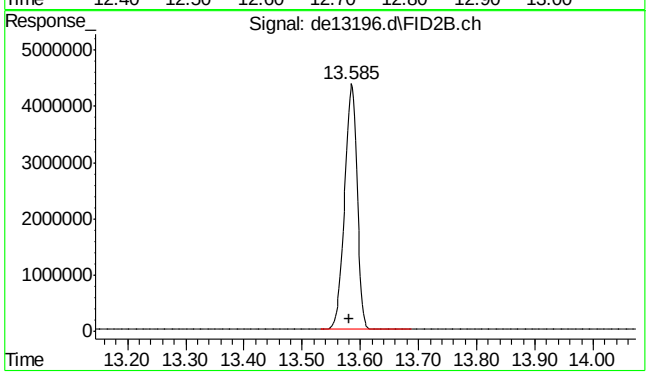
#36 c-22

R.T.: 11.815 min
Delta R.T.: 0.003 min
Response: 6550653
Conc: 92.52 µg/ml



#37 c-24

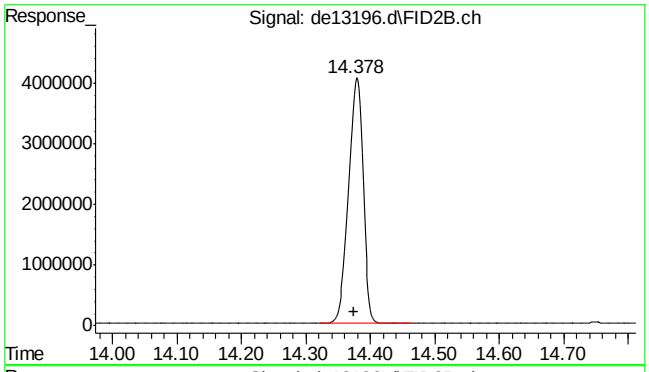
R.T.: 12.733 min
Delta R.T.: 0.003 min
Response: 6102937
Conc: 91.14 µg/ml



#38 c-26

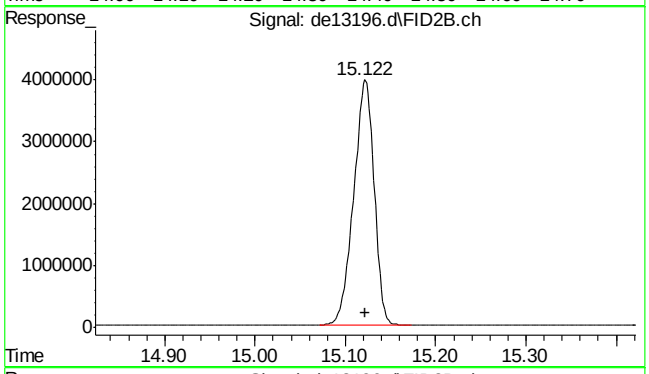
R.T.: 13.585 min
Delta R.T.: 0.003 min
Response: 6486501
Conc: 92.53 µg/ml

SGS ACCUTEST MC45754



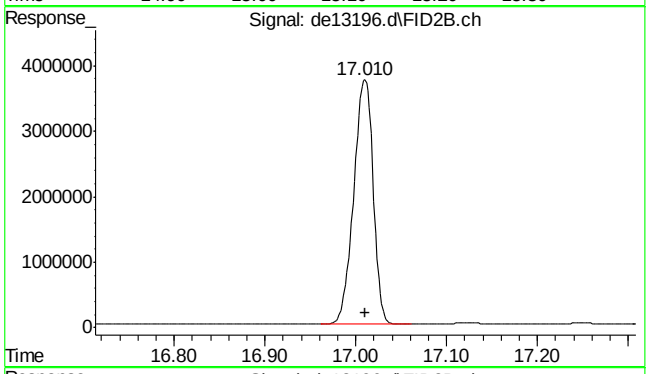
#39 c-28

R.T.: 14.378 min
Delta R.T.: 0.003 min
Response: 6270223
Conc: 92.45 µg/ml



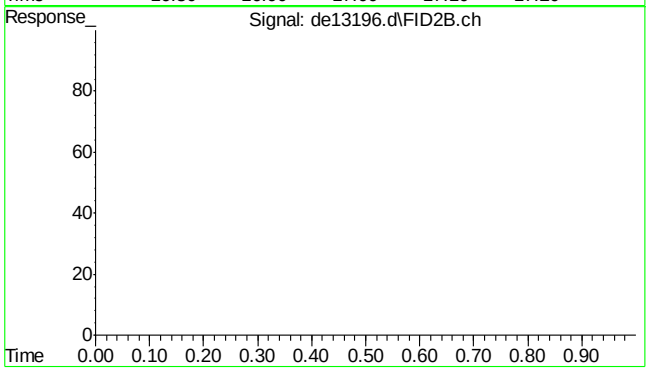
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 6235140
Conc: 90.67 µg/ml



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 5572797
Conc: 91.21 µg/ml m



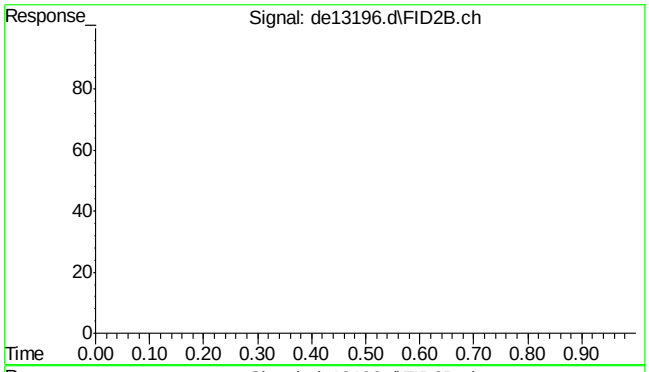
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.6

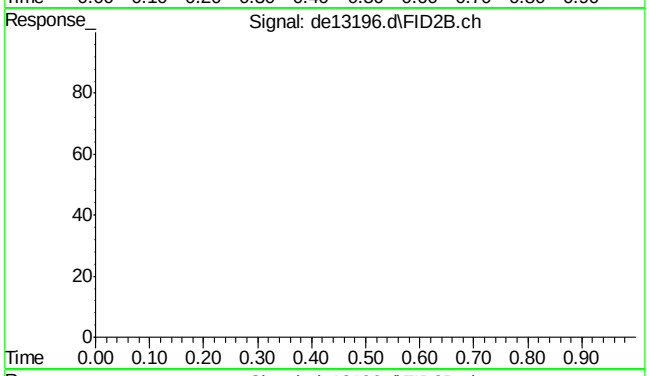
9

SGS ACCUTEST MC45754



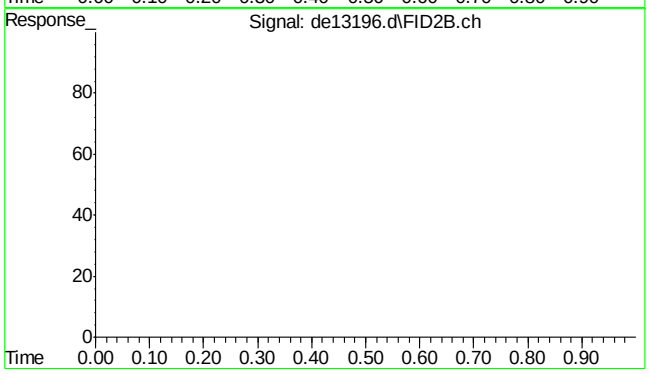
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

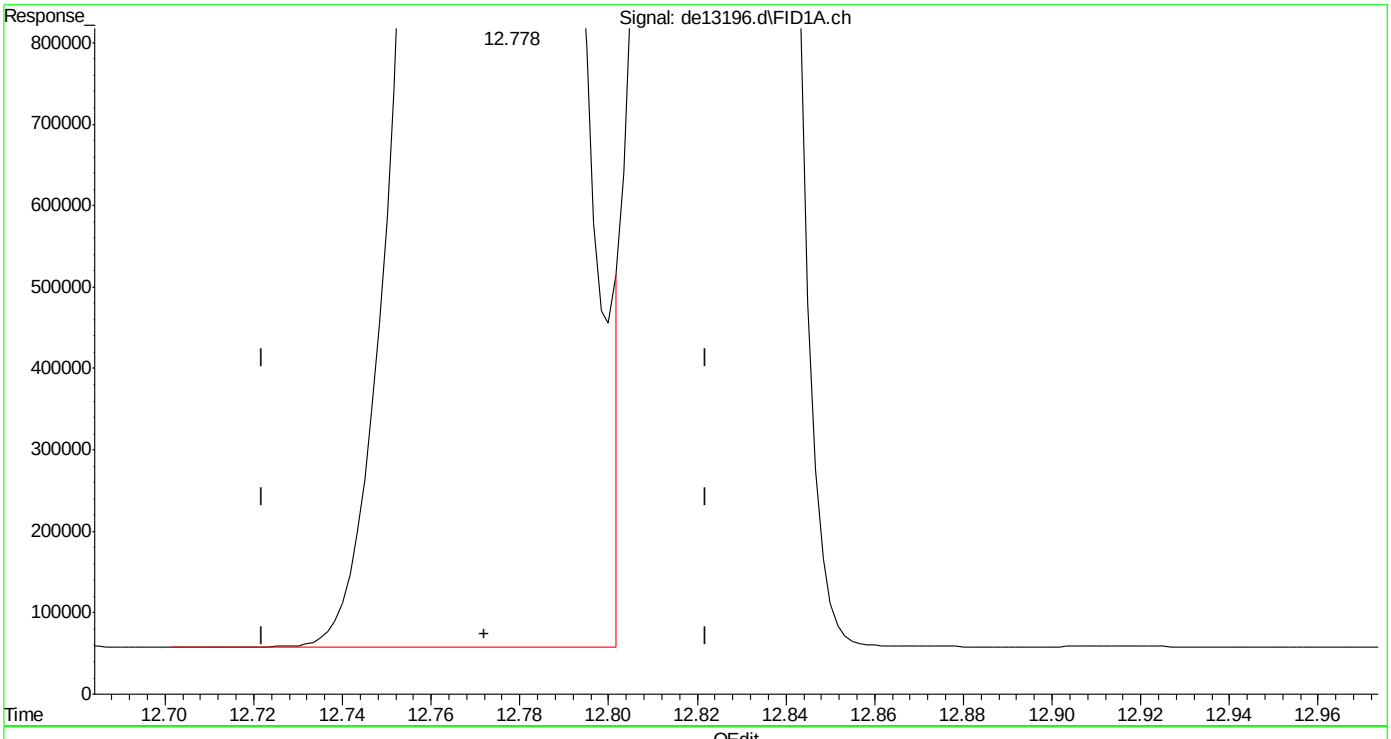
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:59:05 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.778min 96.536 µg/ml
response 9367180

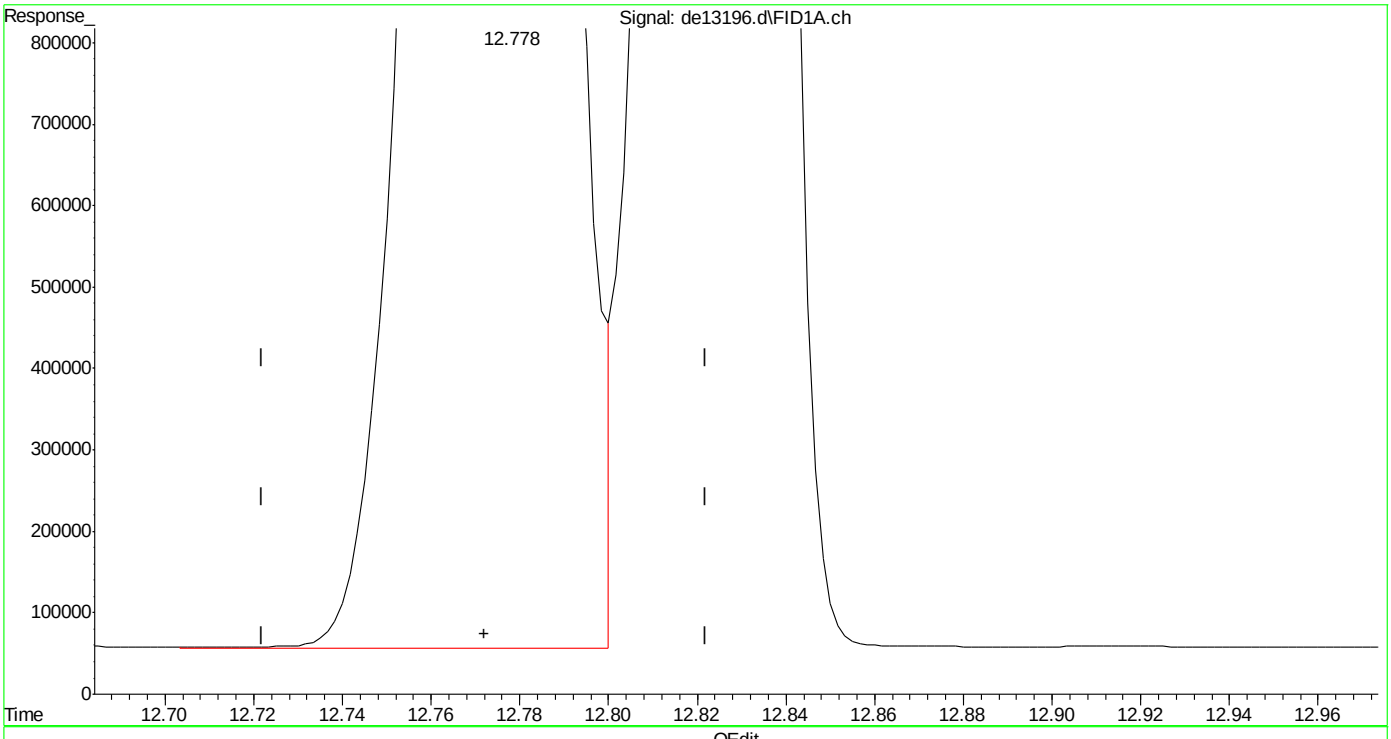
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:59:05 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.778min 96.095 µg/ml m
response 9324427

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 11:00:52 2016

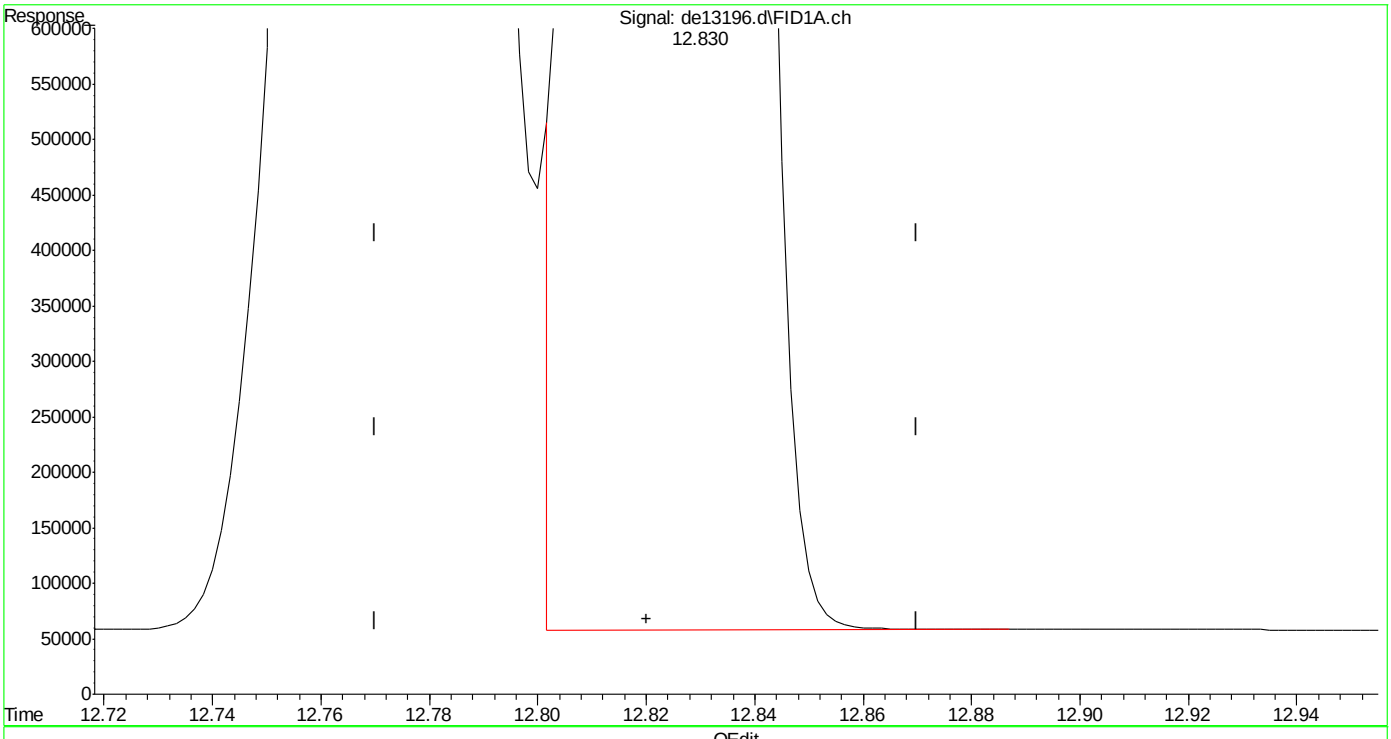
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:59:05 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.830min 95.489 µg/ml
response 9333760

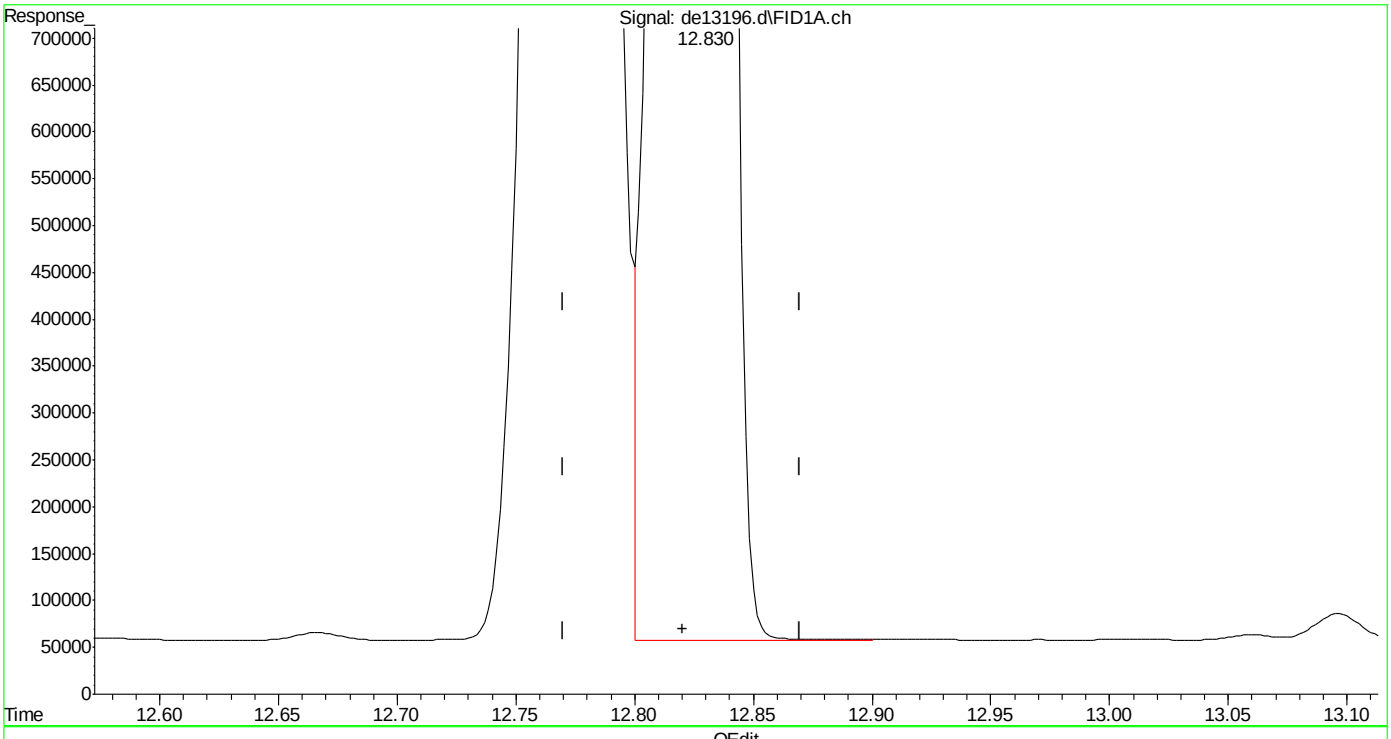
(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 11:00:57 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:59:05 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.830min 96.029 µg/ml m
response 9386529

(+) = Expected Retention Time

SGS ACCUTEST MC45754

DE13197.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:07:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.813	17171697	185.149 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 925.75%#	
6) s 2-bromonaphthalene	7.548	11710947	185.457 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 927.28%#	
11) s o-terphenyl	10.095	18995194	184.432 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 922.16%#	
35) s 1-chlorooctadecane	11.258	9870838	174.493 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 872.47%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	316974952	191.661 µg/mlm
2) naphthalene	5.365	19450620	187.644 µg/ml
3) 2-methylnaphthalene	6.263	19131536	185.697 µg/ml
5) acenaphthylene	7.383f	18686177	184.334 µg/ml
7) acenaphthene	7.628	19311298	185.676 µg/ml
8) fluorene	8.272	18917157	185.002 µg/ml
9) phenanthrene	9.457	18899419	184.533 µg/ml
10) anthracene	9.517	17945874	184.815 µg/ml
12) fluoranthene	10.968	18457513	183.371 µg/ml
13) pyrene	11.228	18932497	185.310 µg/ml
14) benzo(a)anthracene	12.792	17872955	183.617 µg/mlm
15) chrysene	12.847f	18069681	184.428 µg/mlm
16) benzo(B)fluoranthene	14.092	18893122	189.467 µg/ml
17) benzo(k)fluoranthene	14.132f	16859064	175.363 µg/mlm
18) benzo(a)pyrene	14.432f	17319408	185.106 µg/ml
19) indeno(1,2,3-cd)pyrene	15.575f	18670540	194.062 µg/mlm
20) dibenzo(ah)anthracene	15.620f	16610466	180.145 µg/mlm
21) benzo(ghi)perylene	15.807f	17523714	188.129 µg/mlm
25) h c-9	2.680	13093571	173.259 µg/mlm
26) h c-10	3.833	13149397	172.603 µg/ml
27) naphthalene #2	5.523	14006239	175.249 µg/ml
28) c-12	5.697	12963152	171.352 µg/ml
29) 2-methylnaphthalene #2	6.418	13931230	172.095 µg/ml
30) c-14	7.213	12790598	169.622 µg/ml
31) c-16	8.543	12583573	168.461 µg/ml
32) c-18	9.738	12493898	168.985 µg/ml
33) c-19	10.295	12406524	171.313 µg/ml
34) c-20	10.825	12189358	171.737 µg/ml
36) c-22	11.822	12115679	172.966 µg/ml
37) c-24	12.738	11324691	171.289 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:07:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
38)	c-26	13.592	12045195	173.683	µg/ml
39)	c-28	14.385	11646376	173.584	µg/ml
40) h	c-30	15.122	11593413	170.863	µg/ml
41) h	c-36	17.010	10854654	179.925	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.7

9

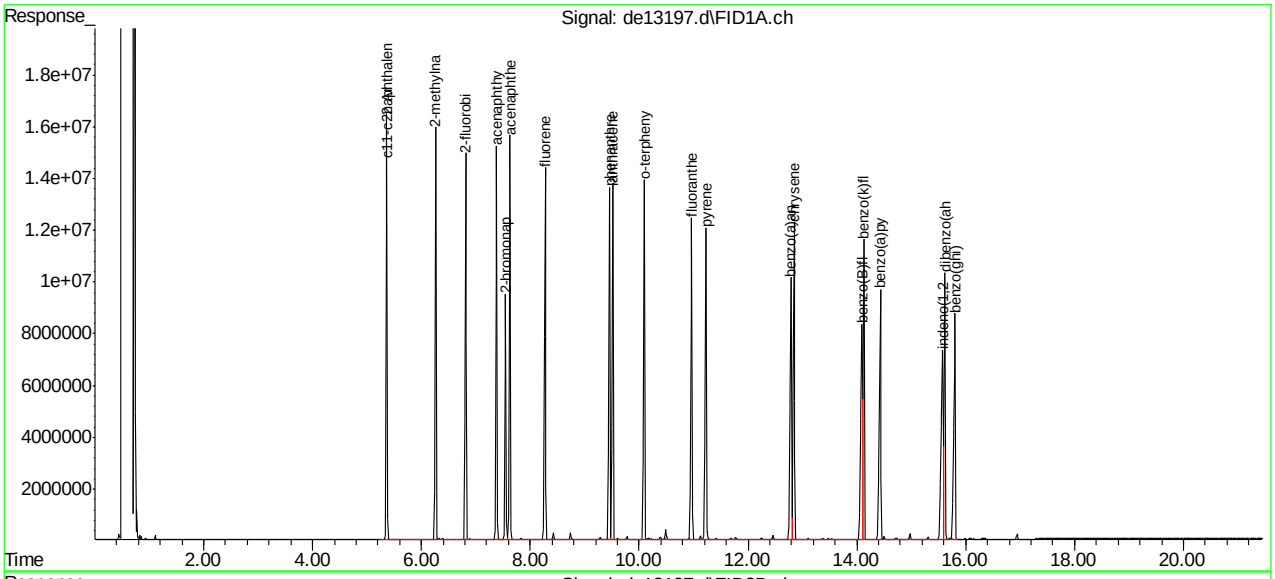
SGS ACCUTEST MC45754

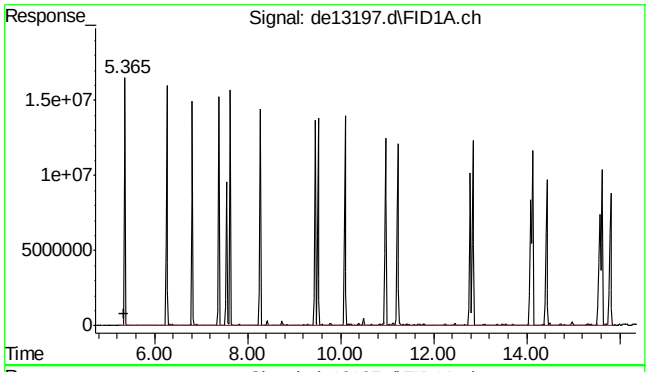
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:07:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

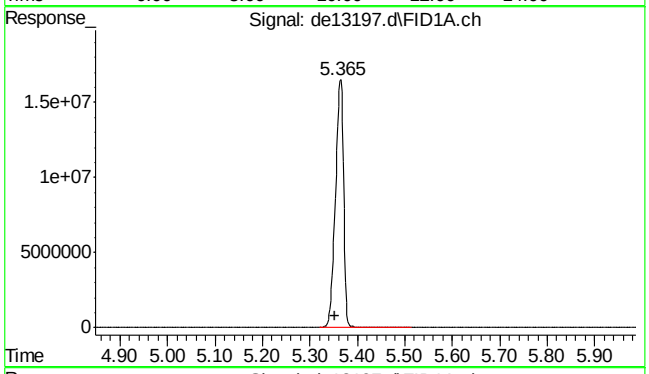
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





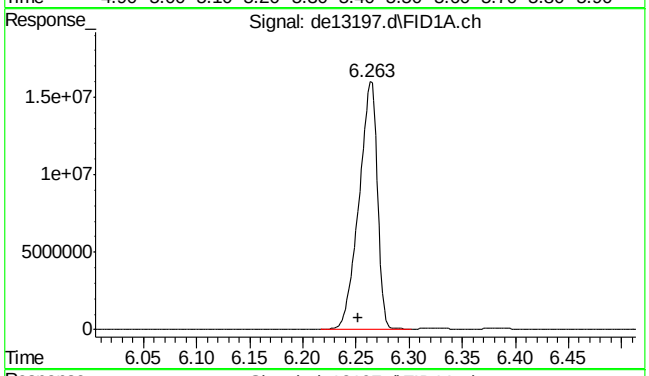
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 316974952
Conc: 191.66 µg/ml m



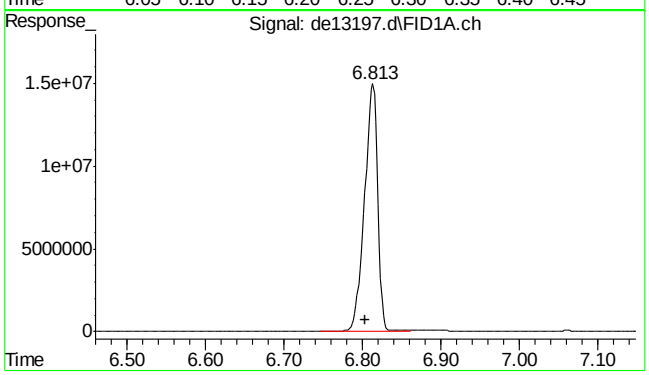
#2 naphthalene

R.T.: 5.365 min
Delta R.T.: 0.012 min
Response: 19450620
Conc: 187.64 µg/ml



#3 2-methylnaphthalene

R.T.: 6.263 min
Delta R.T.: 0.011 min
Response: 19131536
Conc: 185.70 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.813 min
Delta R.T.: 0.010 min
Response: 17171697
Conc: 185.15 µg/ml

9.4.7

9

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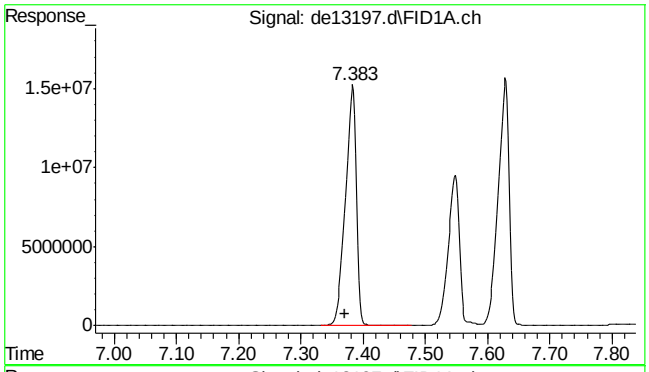
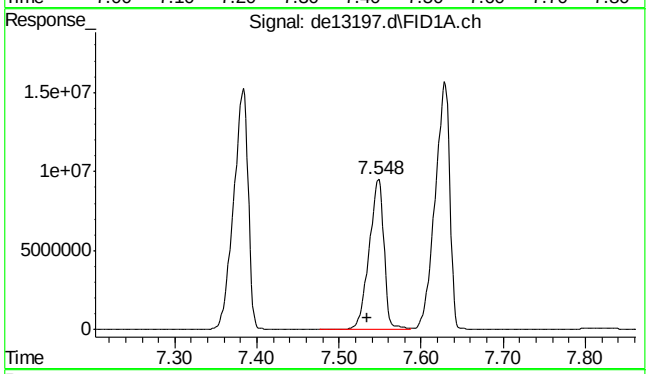


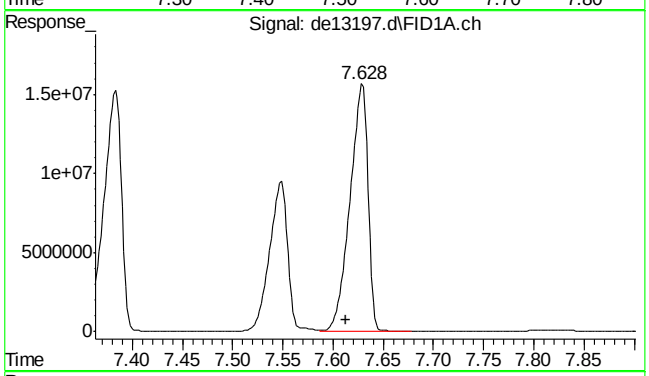
#5 acenaphthylene

R.T.: 7.383 min
Delta R.T.: 0.013 min
Response: 18686177
Conc: 184.33 µg/ml



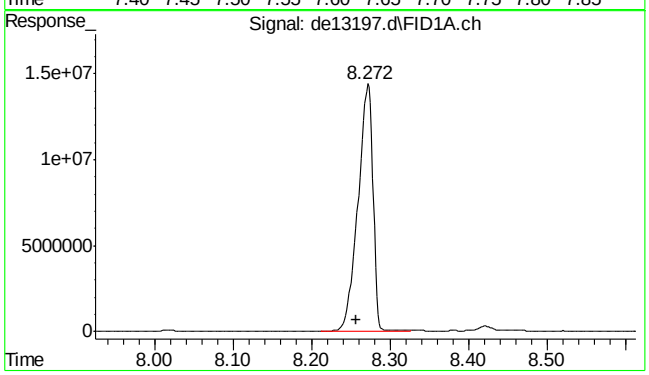
#6 2-bromonaphthalene

R.T.: 7.548 min
Delta R.T.: 0.013 min
Response: 11710947
Conc: 185.46 µg/ml



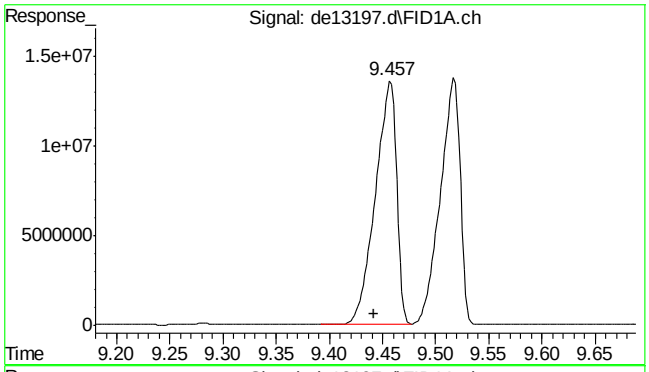
#7 acenaphthene

R.T.: 7.628 min
Delta R.T.: 0.015 min
Response: 19311298
Conc: 185.68 µg/ml



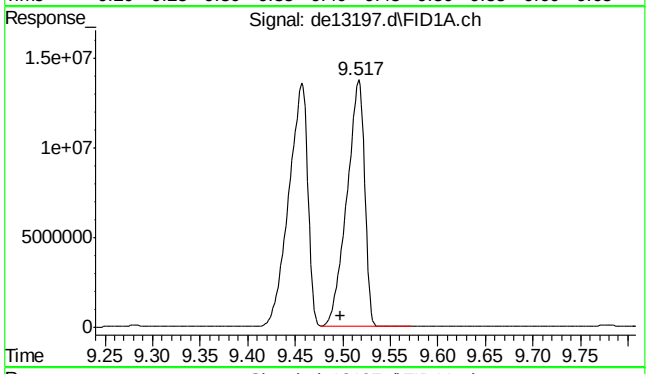
#8 fluorene

R.T.: 8.272 min
Delta R.T.: 0.015 min
Response: 18917157
Conc: 185.00 µg/ml



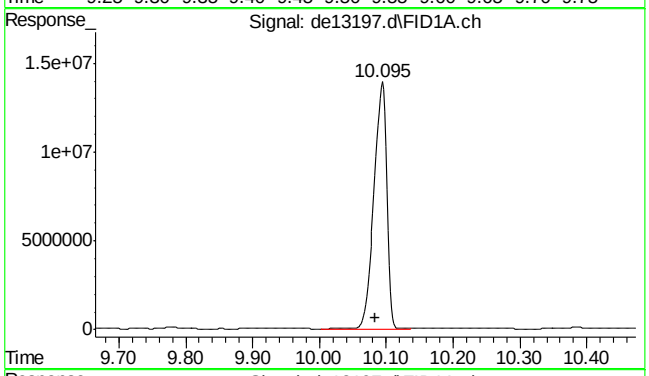
#9 phenanthrene

R.T.: 9.457 min
Delta R.T.: 0.015 min
Response: 18899419
Conc: 184.53 µg/ml



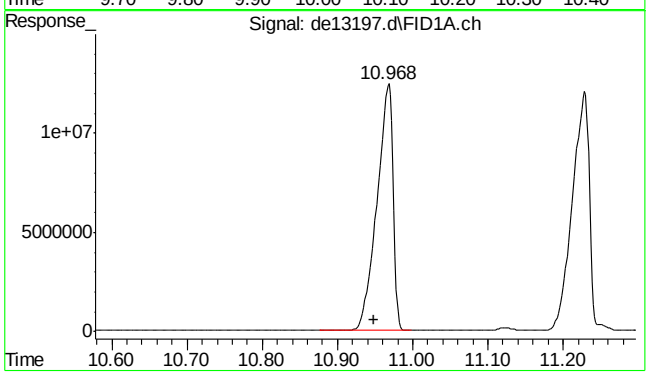
#10 anthracene

R.T.: 9.517 min
Delta R.T.: 0.019 min
Response: 17945874
Conc: 184.82 µg/ml



#11 o-terphenyl

R.T.: 10.095 min
Delta R.T.: 0.012 min
Response: 18995194
Conc: 184.43 µg/ml



#12 fluoranthene

R.T.: 10.968 min
Delta R.T.: 0.020 min
Response: 18457513
Conc: 183.37 µg/ml

9.4.7

9

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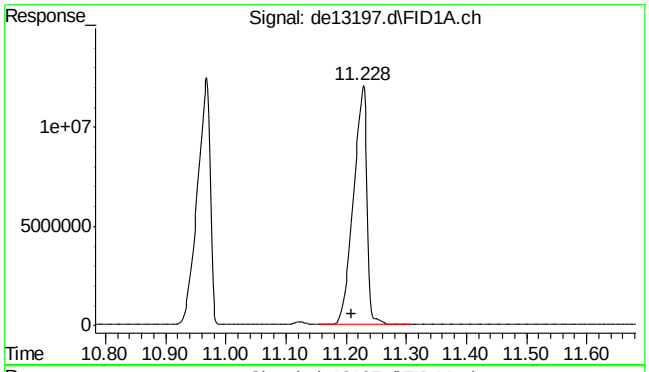
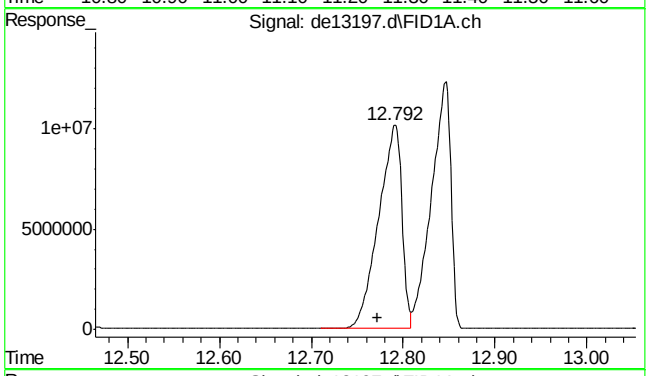


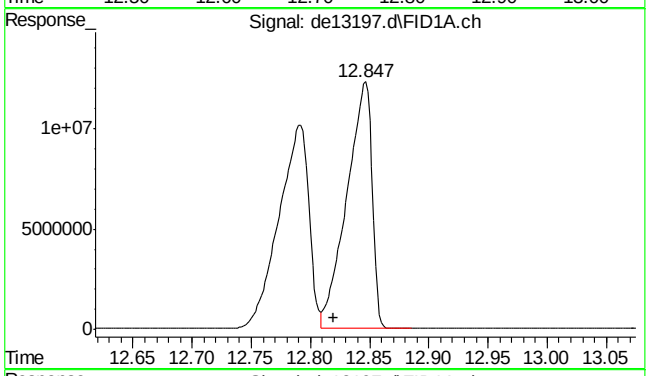
#13 pyrene

R.T.: 11.228 min
Delta R.T.: 0.018 min
Response: 18932497
Conc: 185.31 µg/ml



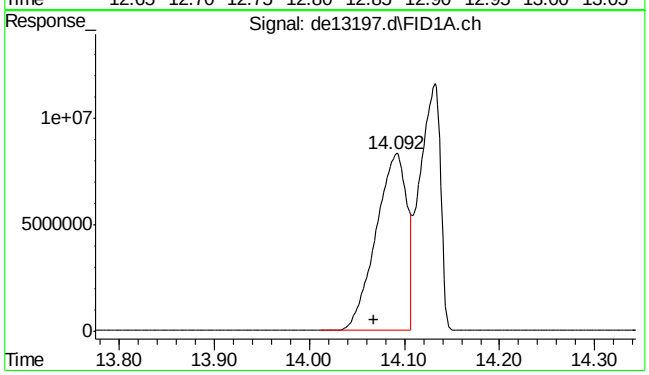
#14 benzo(a)anthracene

R.T.: 12.792 min
Delta R.T.: 0.020 min
Response: 17872955
Conc: 183.62 µg/ml m



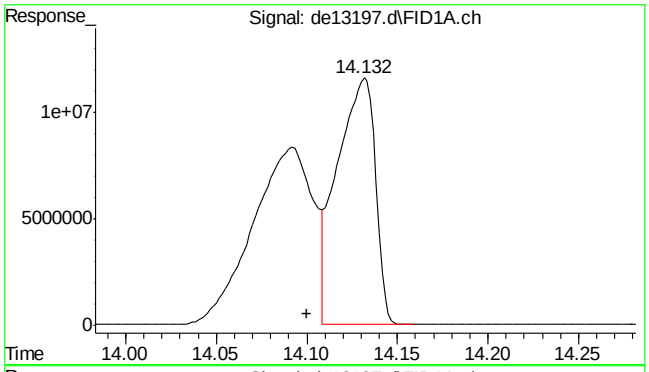
#15 chrysene

R.T.: 12.847 min
Delta R.T.: 0.027 min
Response: 18069681
Conc: 184.43 µg/ml m



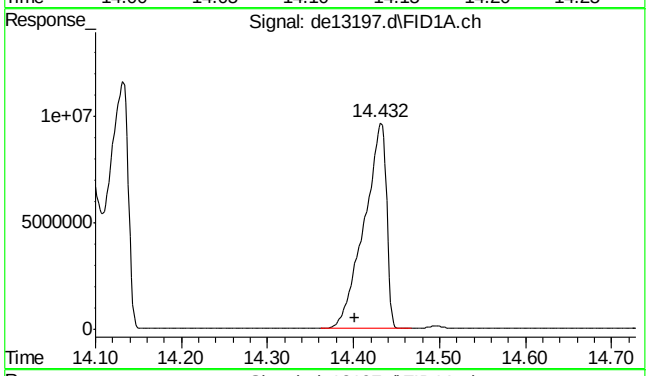
#16 benzo(B)fluoranthene

R.T.: 14.092 min
Delta R.T.: 0.024 min
Response: 18893122
Conc: 189.47 µg/ml



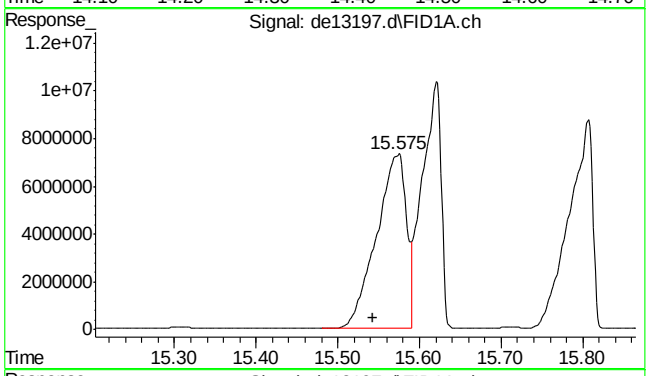
#17 benzo(k)fluoranthene

R.T.: 14.132 min
Delta R.T.: 0.032 min
Response: 16859064
Conc: 175.36 µg/ml m



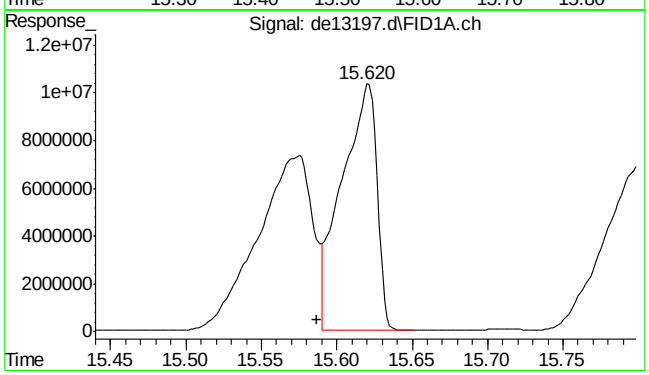
#18 benzo(a)pyrene

R.T.: 14.432 min
Delta R.T.: 0.030 min
Response: 17319408
Conc: 185.11 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.575 min
Delta R.T.: 0.032 min
Response: 18670540
Conc: 194.06 µg/ml m



#20 dibenzo(ah)anthracene

R.T.: 15.620 min
Delta R.T.: 0.033 min
Response: 16610466
Conc: 180.15 µg/ml m

9.4.7

9

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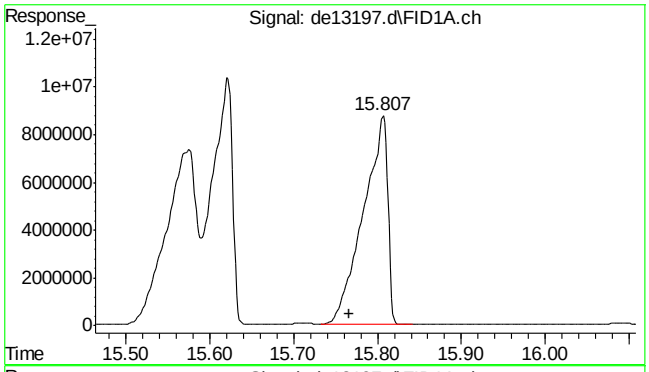
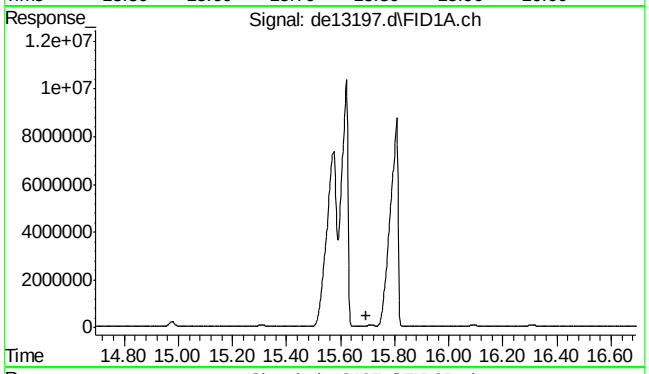


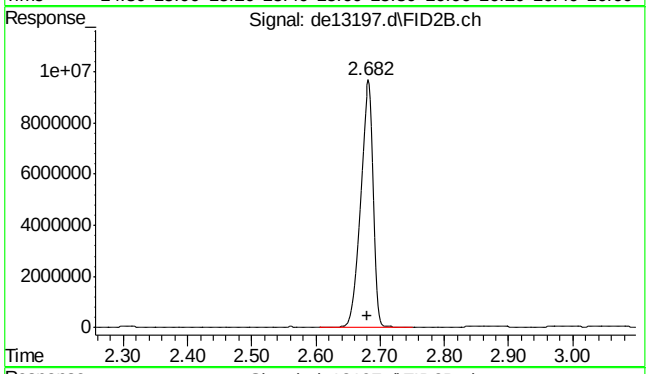
#21 benzo(ghi)perylene

R.T.: 15.807 min
Delta R.T.: 0.040 min
Response: 17523714
Conc: 188.13 µg/ml m



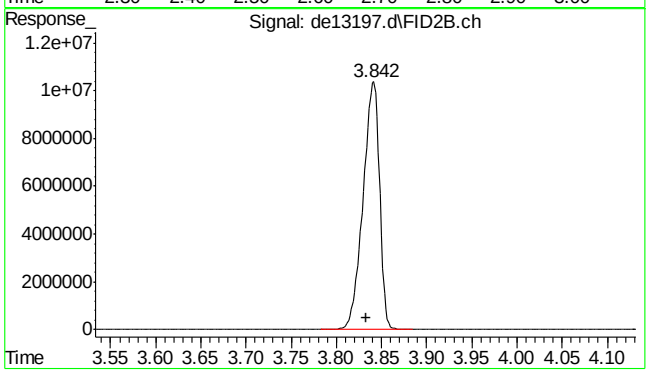
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

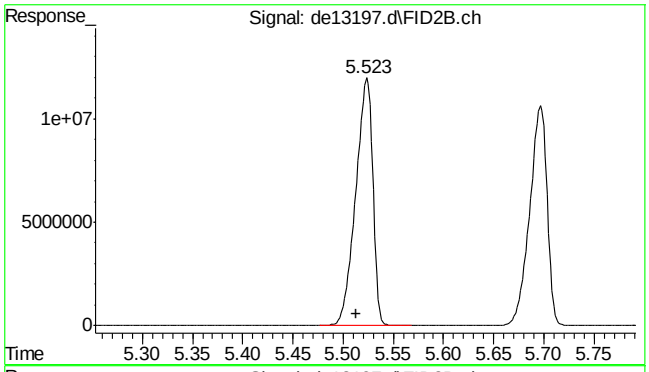
R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 13093571
Conc: 173.26 µg/ml m



#26 c-10

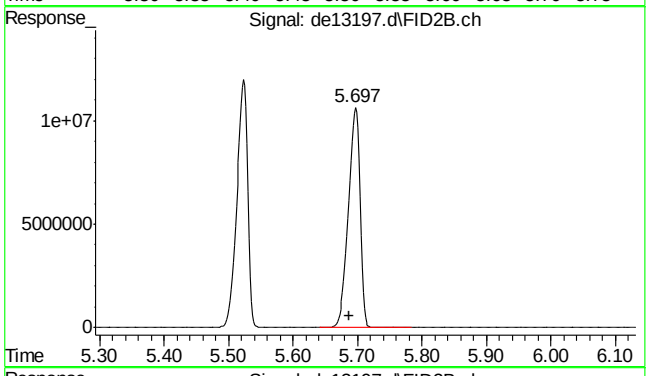
R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 13149397
Conc: 172.60 µg/ml

SGS ACCUTEST MC45754



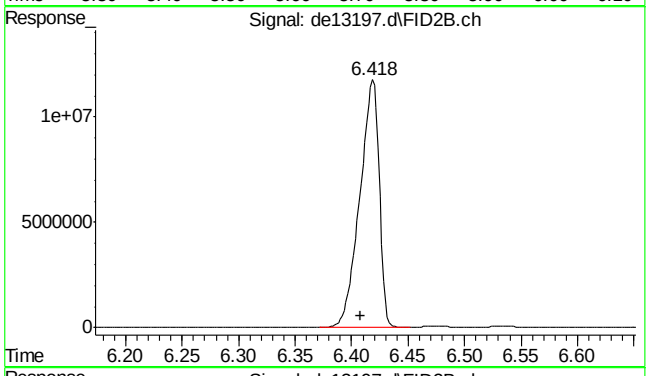
#27 naphthalene #2

R.T.: 5.523 min
Delta R.T.: 0.010 min
Response: 14006239
Conc: 175.25 µg/ml



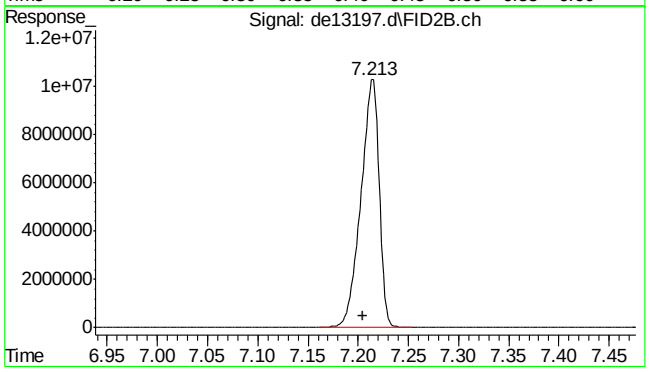
#28 c-12

R.T.: 5.697 min
Delta R.T.: 0.009 min
Response: 12963152
Conc: 171.35 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.418 min
Delta R.T.: 0.010 min
Response: 13931230
Conc: 172.09 µg/ml



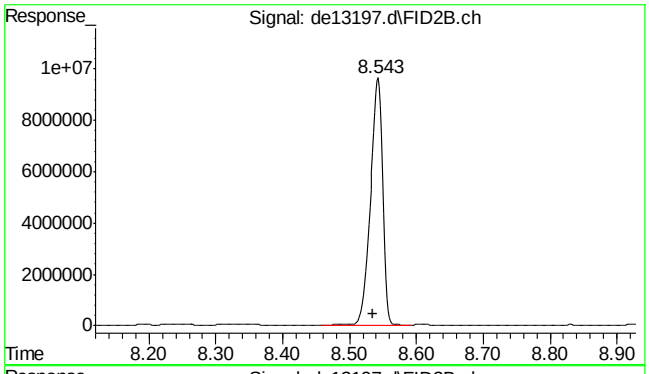
#30 c-14

R.T.: 7.213 min
Delta R.T.: 0.008 min
Response: 12790598
Conc: 169.62 µg/ml

9.4.7

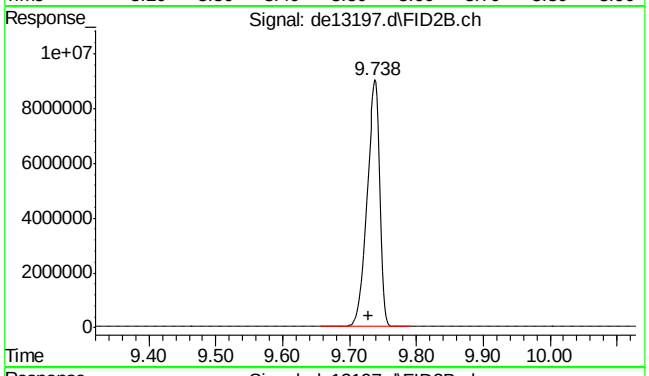
9

SGS ACCUTEST MC45754



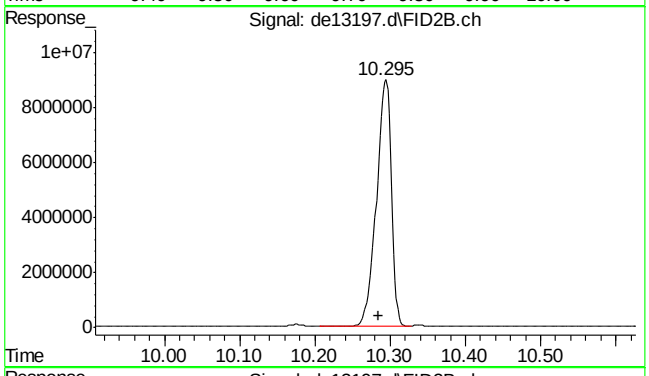
#31 c-16

R.T.: 8.543 min
Delta R.T.: 0.008 min
Response: 12583573
Conc: 168.46 µg/ml



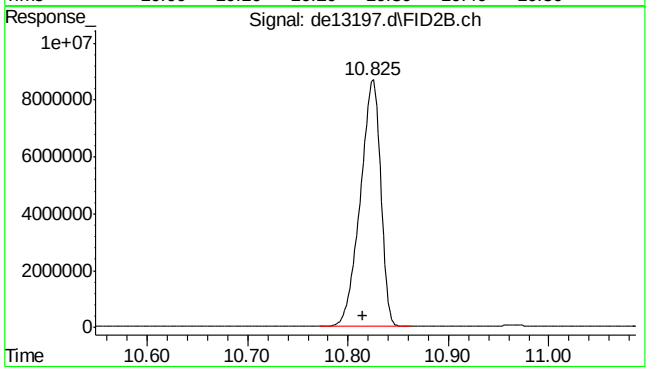
#32 c-18

R.T.: 9.738 min
Delta R.T.: 0.010 min
Response: 12493898
Conc: 168.99 µg/ml



#33 c-19

R.T.: 10.295 min
Delta R.T.: 0.010 min
Response: 12406524
Conc: 171.31 µg/ml



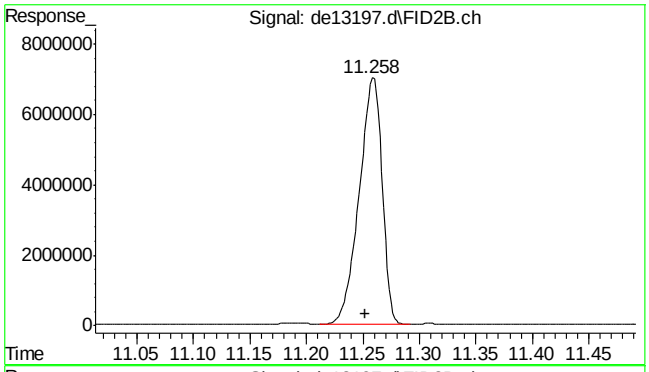
#34 c-20

R.T.: 10.825 min
Delta R.T.: 0.010 min
Response: 12189358
Conc: 171.74 µg/ml

9.4.7

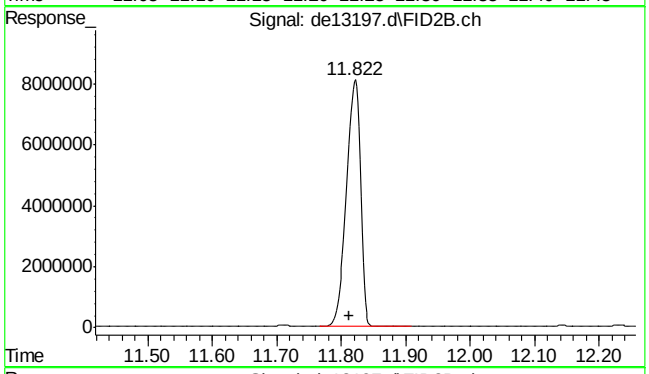
9

SGS ACCUTEST MC45754



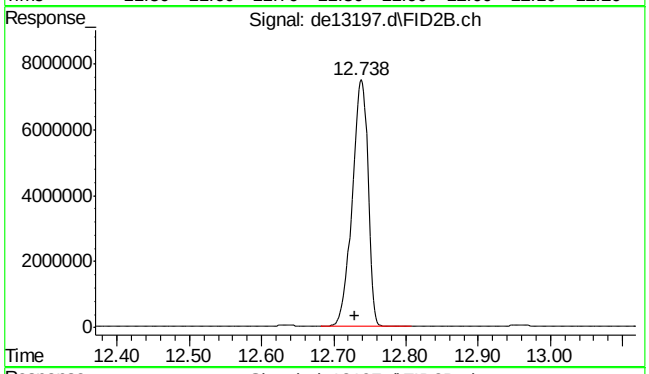
#35 1-chlorooctadecane

R.T.: 11.258 min
Delta R.T.: 0.006 min
Response: 9870838
Conc: 174.49 µg/ml



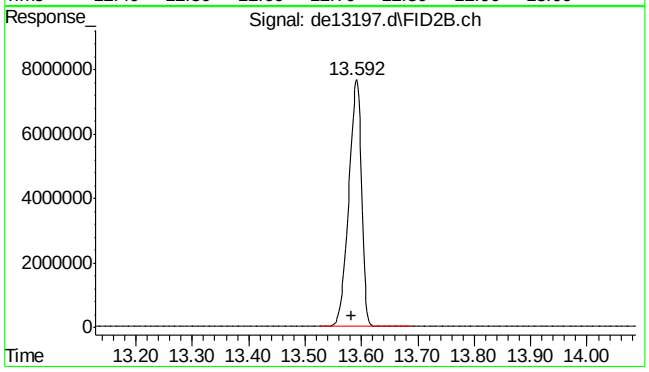
#36 c-22

R.T.: 11.822 min
Delta R.T.: 0.010 min
Response: 12115679
Conc: 172.97 µg/ml



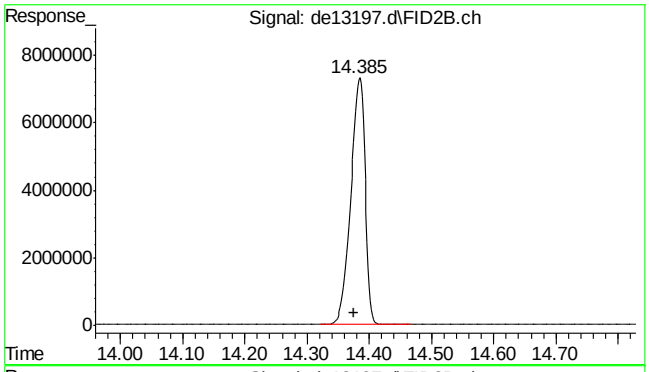
#37 c-24

R.T.: 12.738 min
Delta R.T.: 0.008 min
Response: 11324691
Conc: 171.29 µg/ml



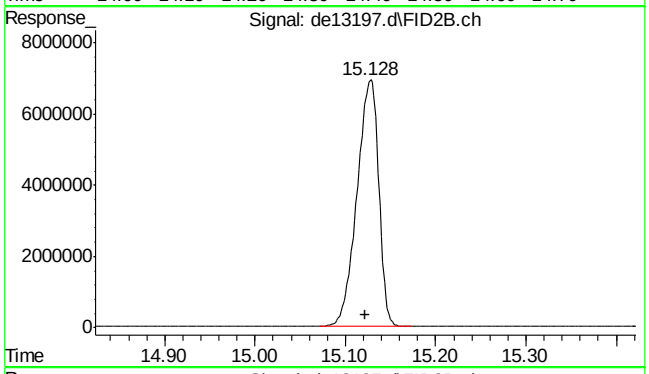
#38 c-26

R.T.: 13.592 min
Delta R.T.: 0.010 min
Response: 12045195
Conc: 173.68 µg/ml



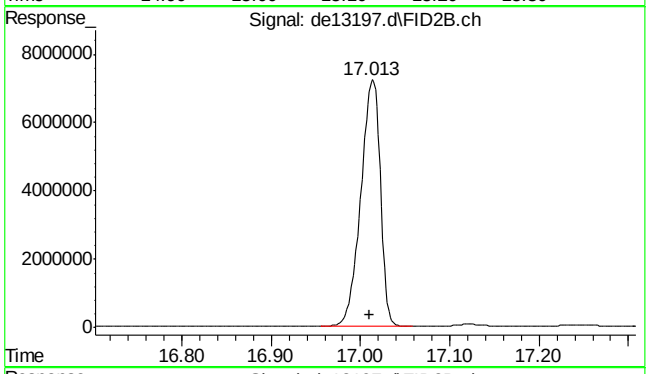
#39 c-28

R.T.: 14.385 min
Delta R.T.: 0.010 min
Response: 11646376
Conc: 173.58 µg/ml



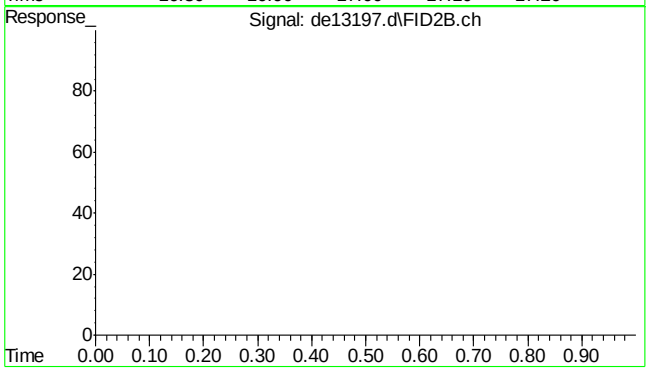
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 11593413
Conc: 170.86 µg/ml



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 10854654
Conc: 179.92 µg/ml m



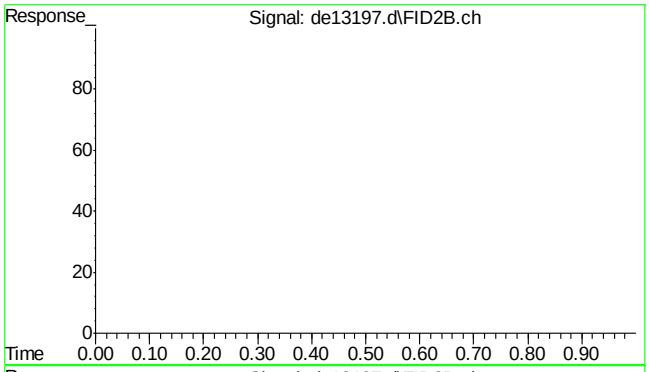
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.7

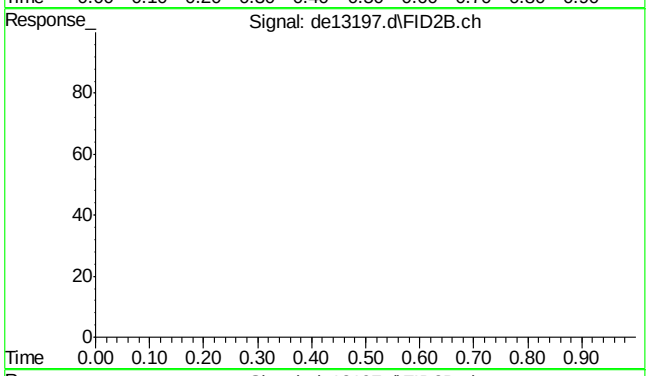
9

SGS ACCUTEST MC45754



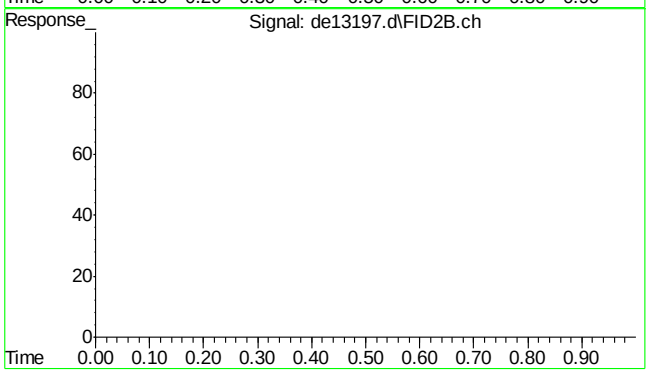
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

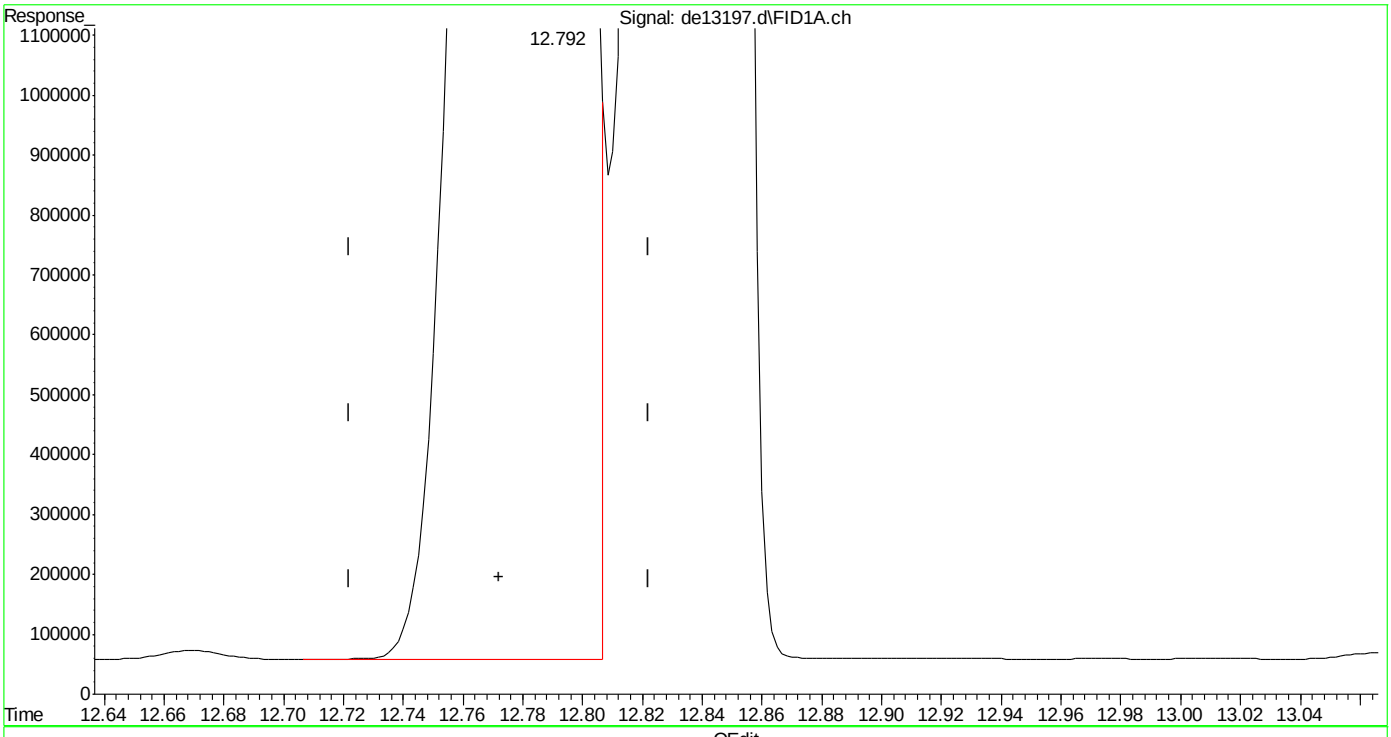
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.792min 182.685 µg/ml
response 17782201

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 11:03:14 2016

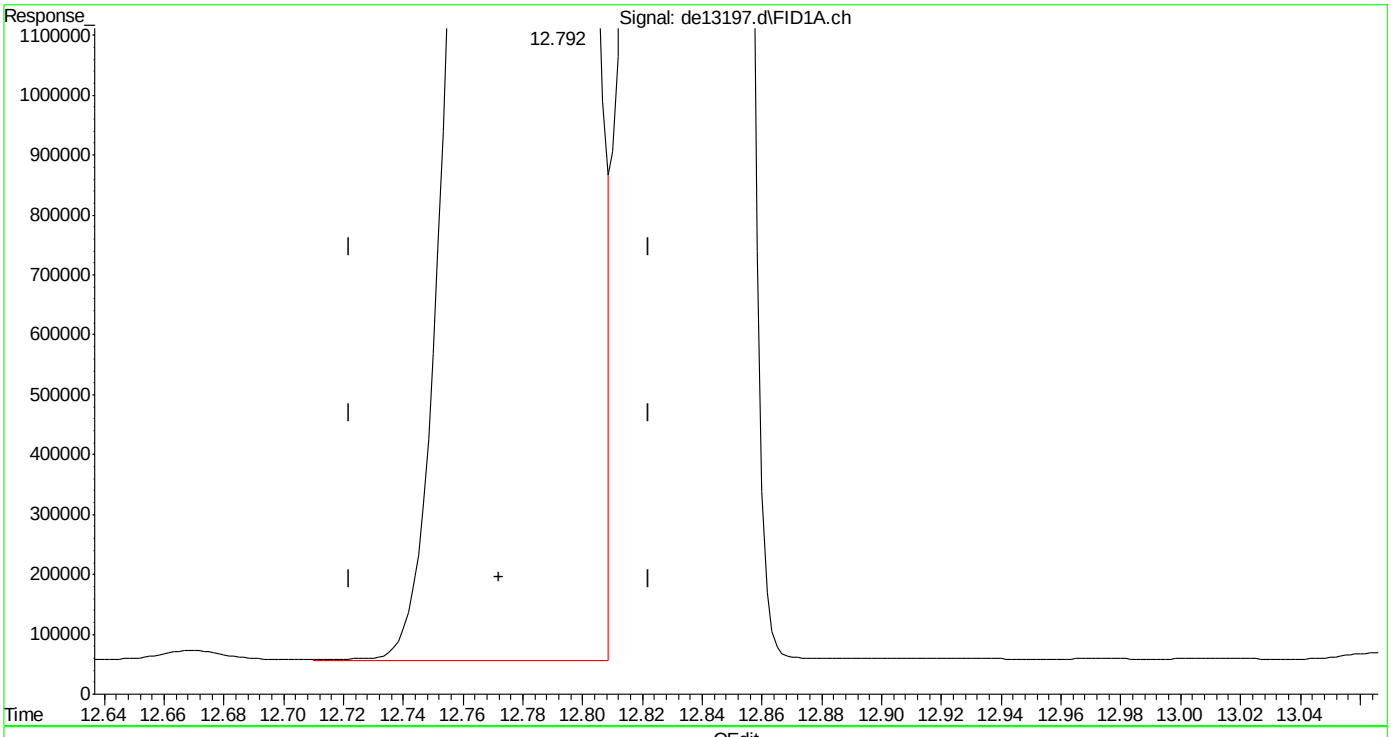
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.792min 183.617 µg/ml m
response 17872955

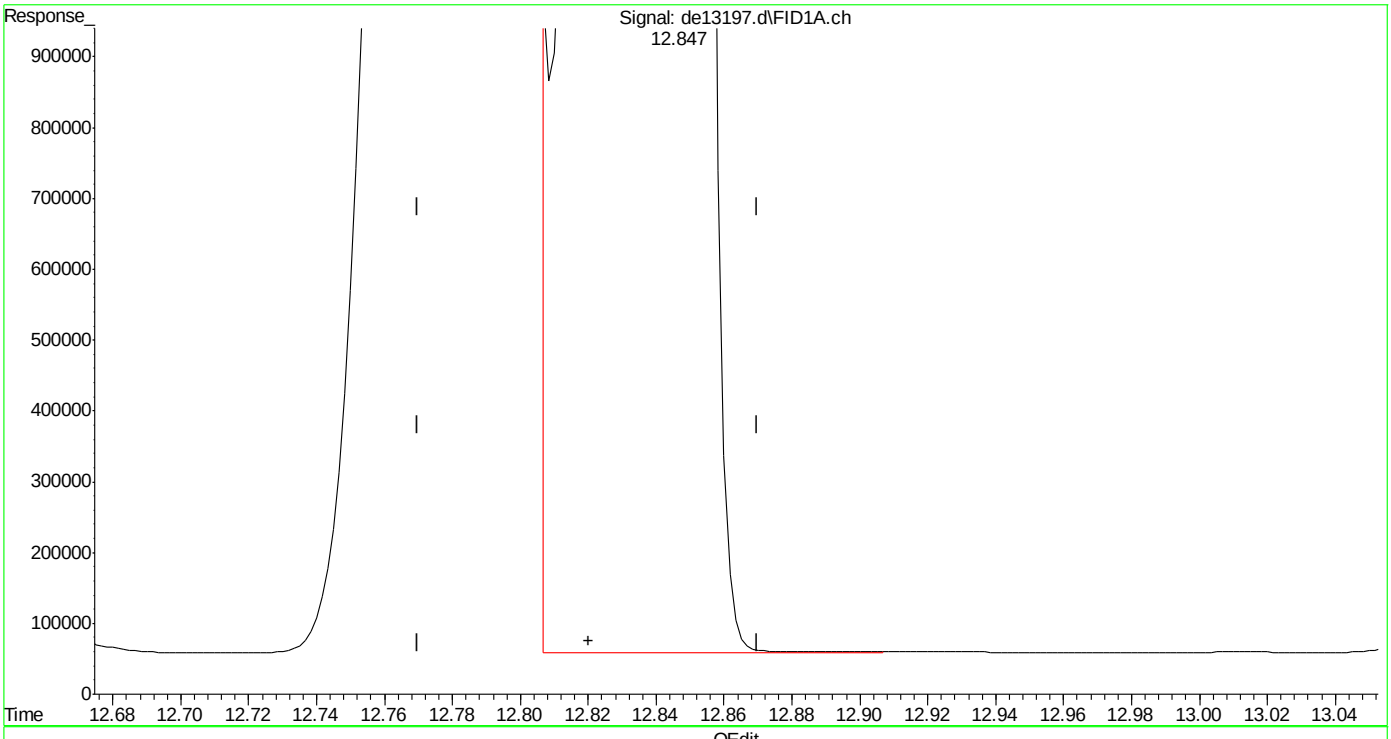
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.847min 185.235 µg/ml
response 18148724

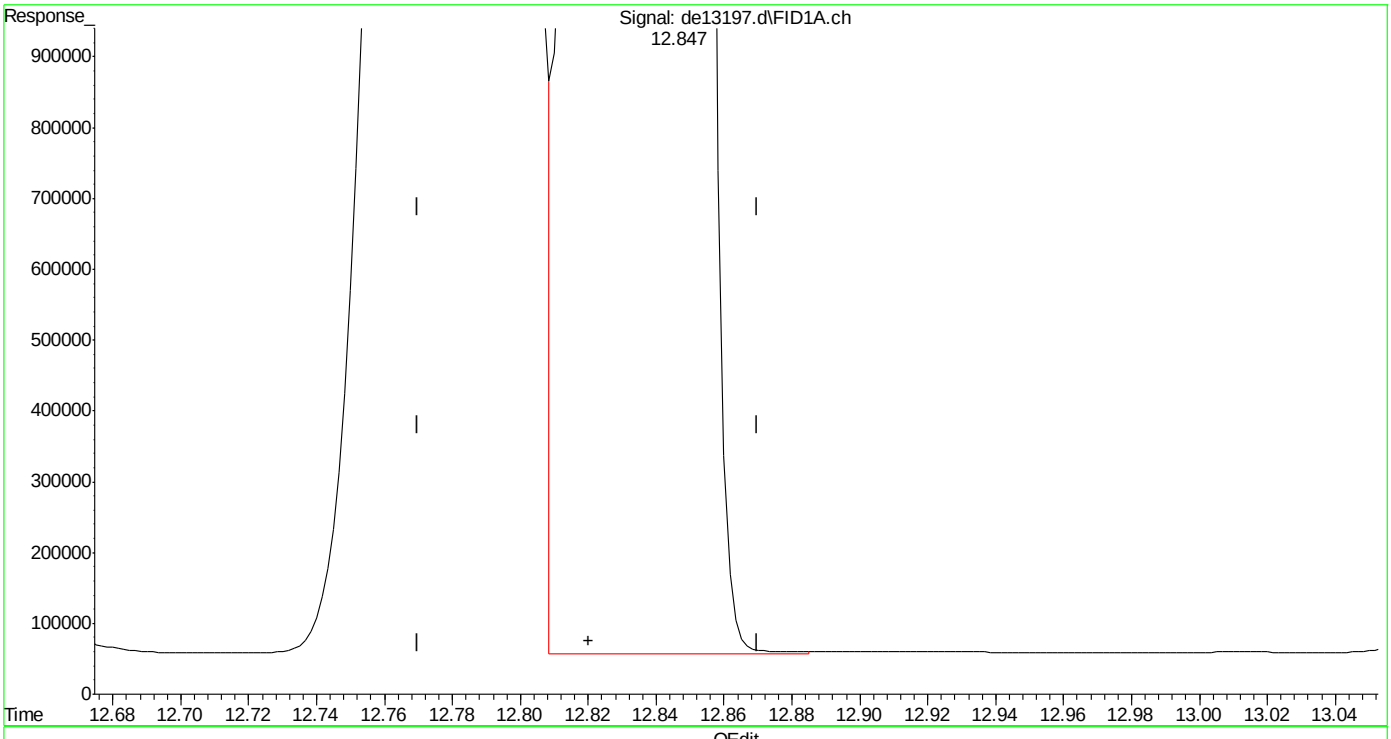
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.847min 184.428 µg/ml m
response 18069681

(+) = Expected Retention Time

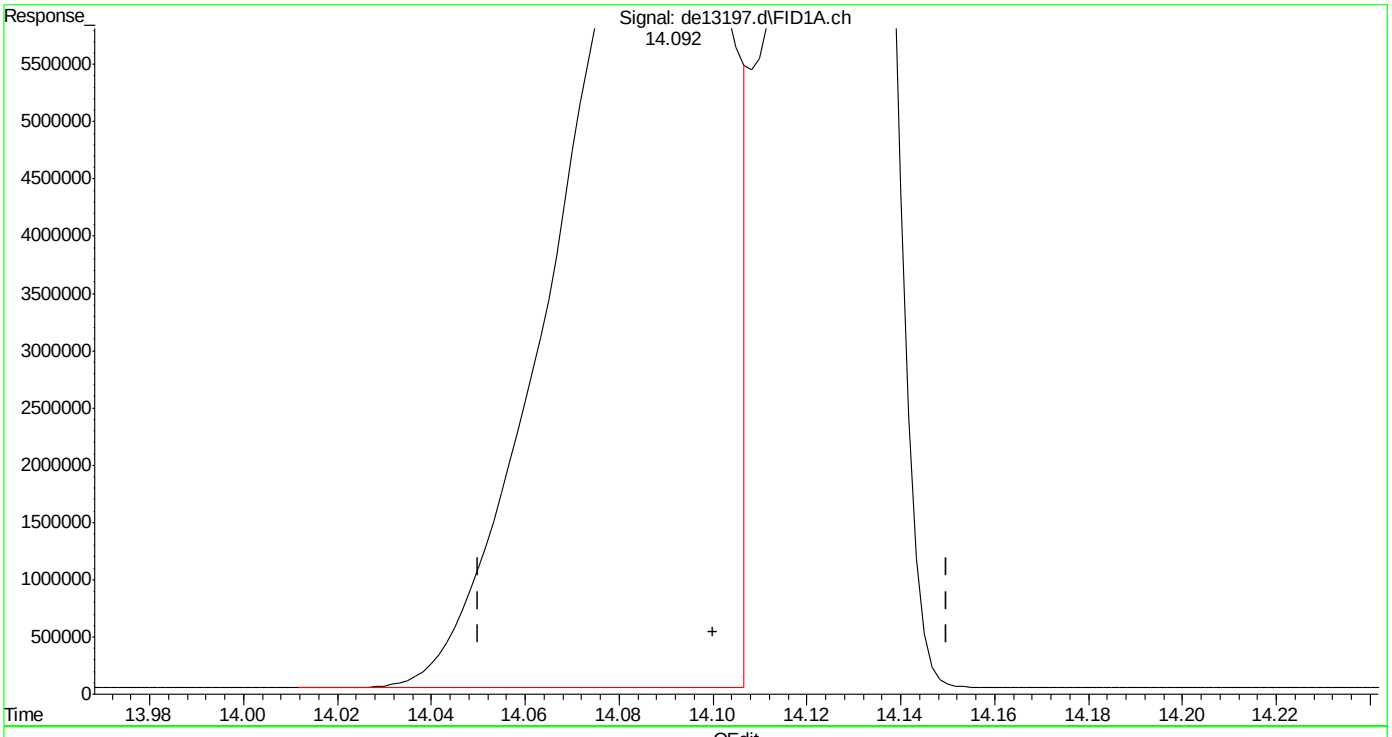
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.092min 196.520 µg/ml
response 18893122

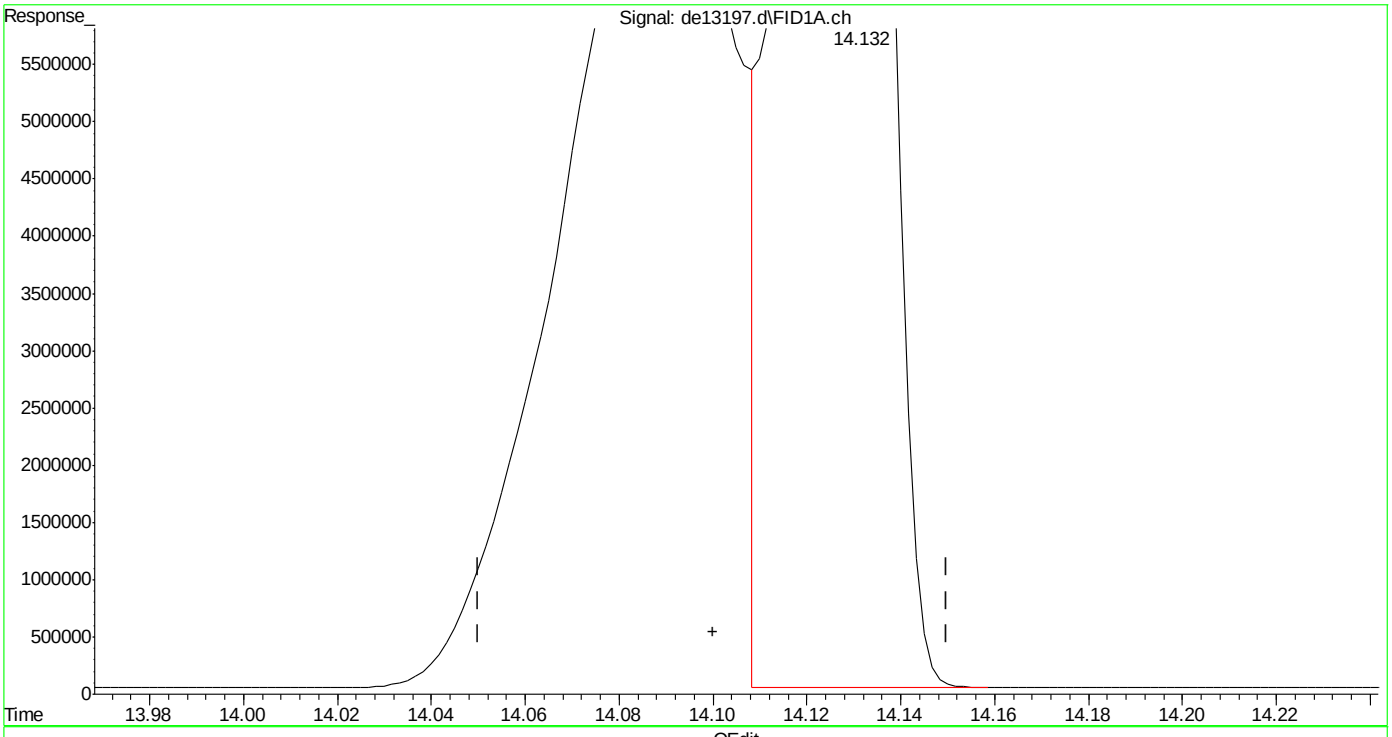
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.132min 175.363 µg/ml m
response 16859064

(+) = Expected Retention Time

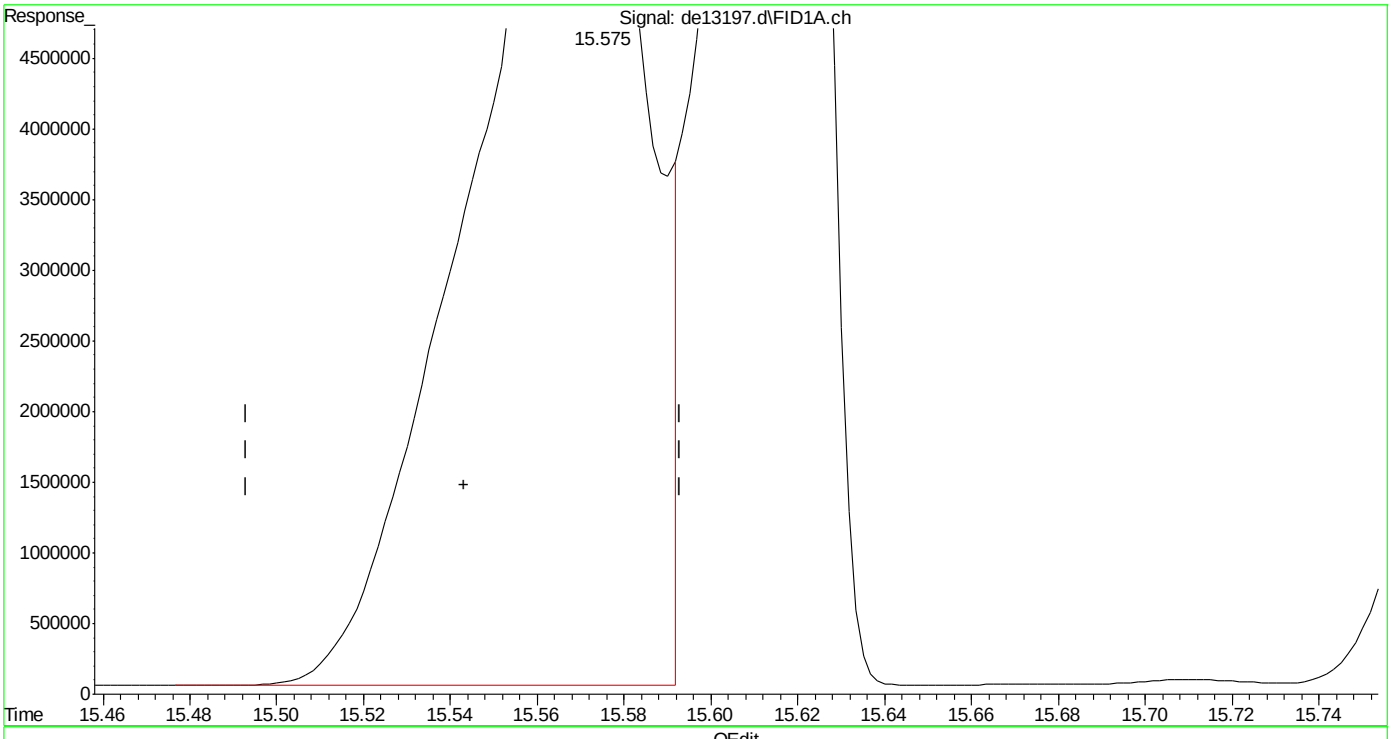
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.575min 197.907 µg/ml
response 19040403

(+) = Expected Retention Time

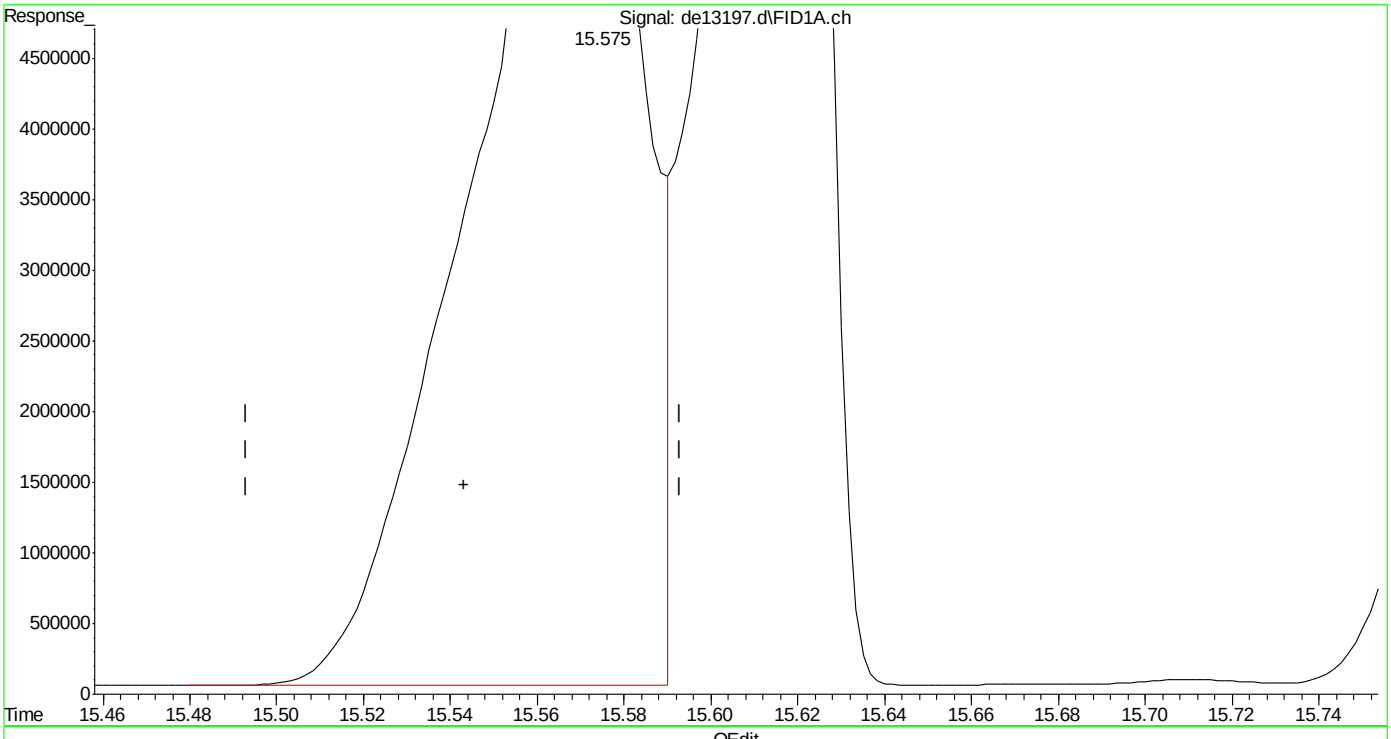
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.575min 194.062 µg/ml m
response 18670540

(+) = Expected Retention Time

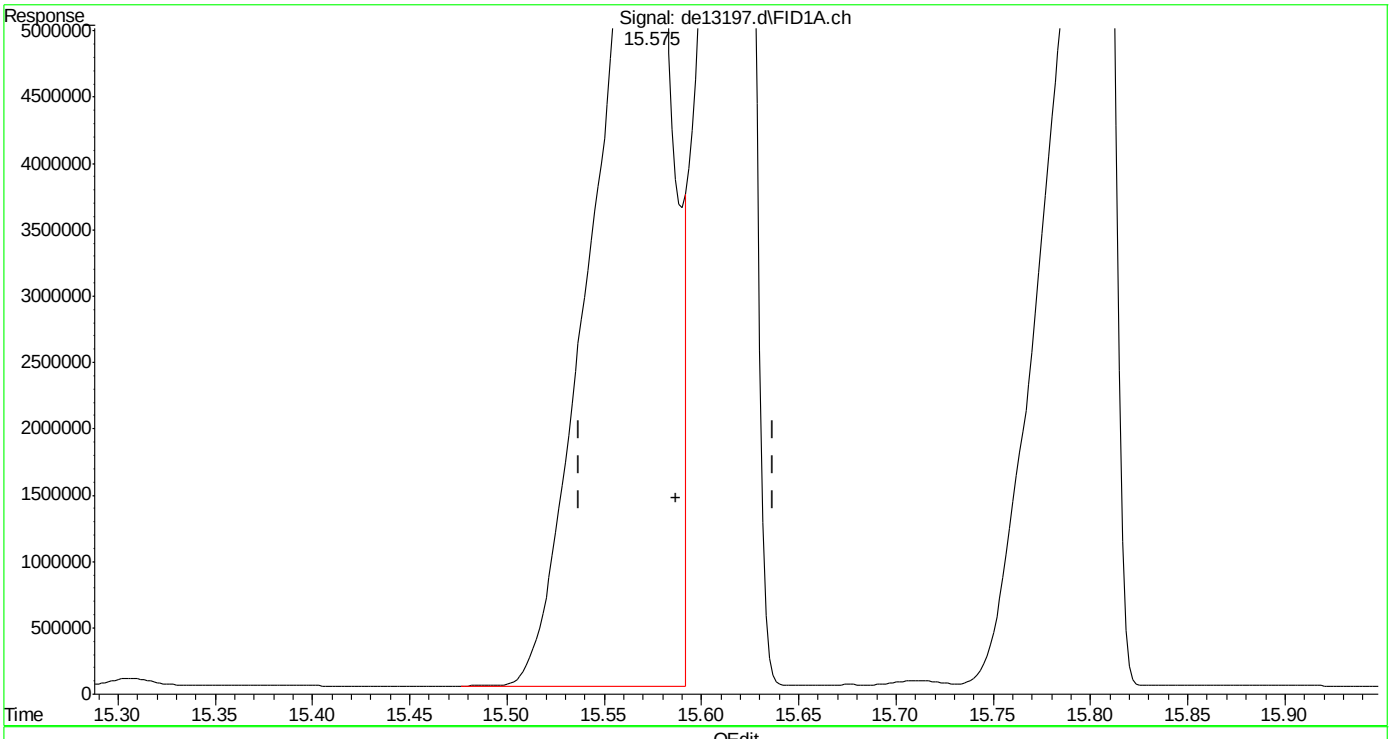
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.575min 206.498 µg/ml
response 19040403

(+) = Expected Retention Time

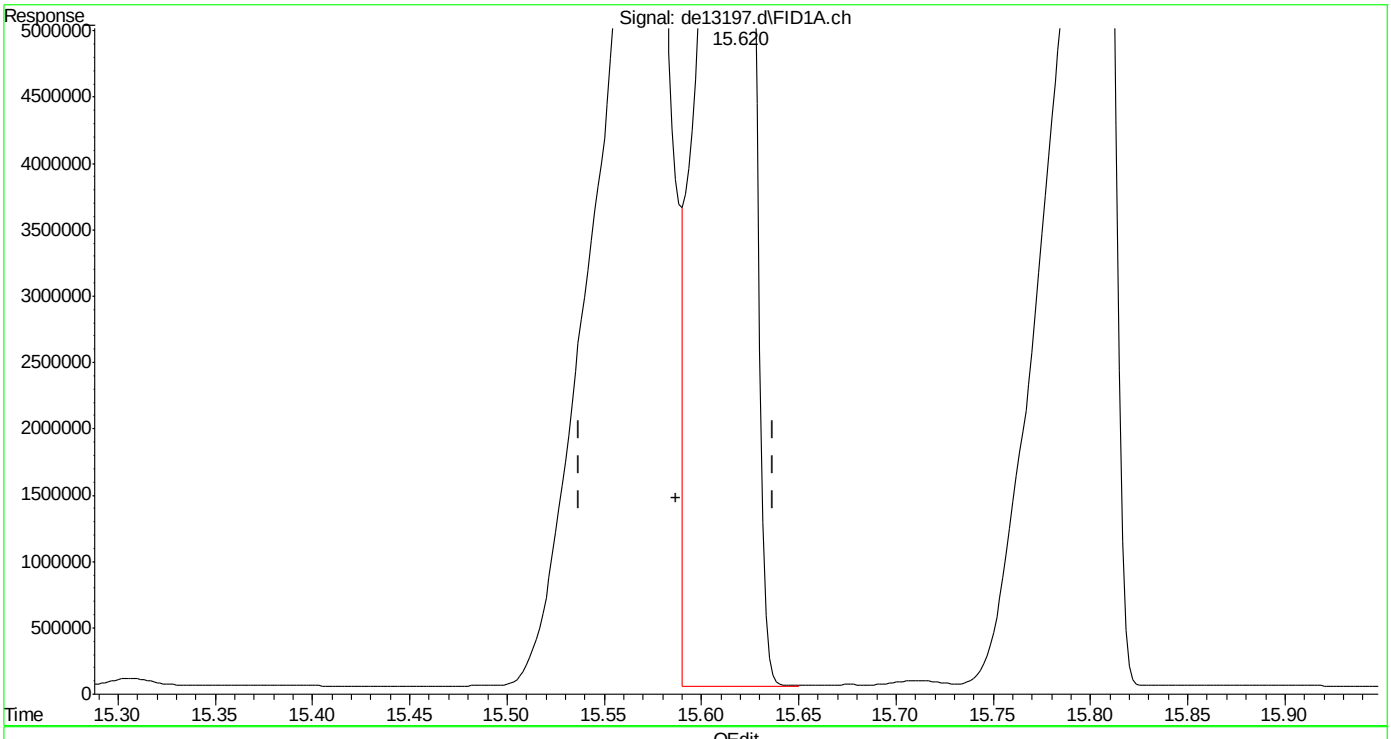
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.620min 180.145 µg/ml m
response 16610466

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 11:05:26 2016

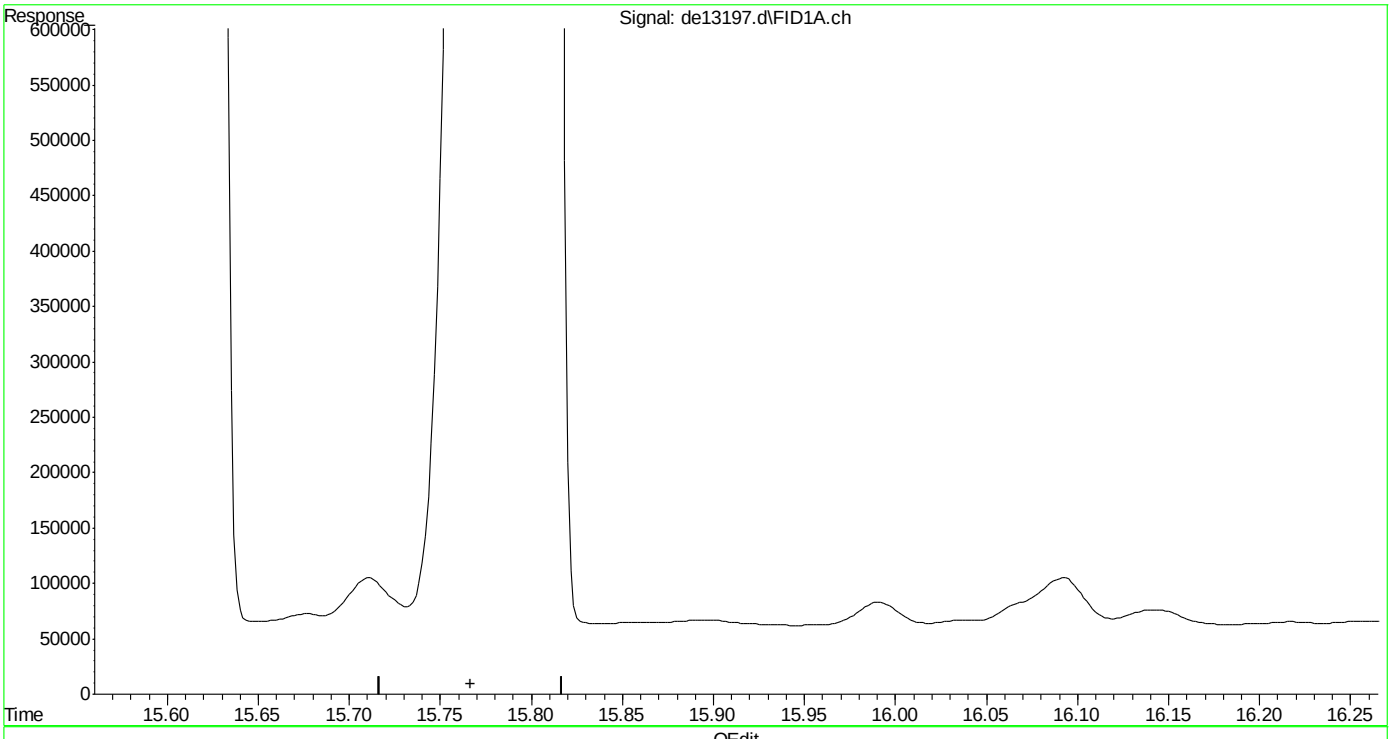
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) benzo(ghi)perylene
0.000min 0.000 µg/ml d
response 0

(+) = Expected Retention Time

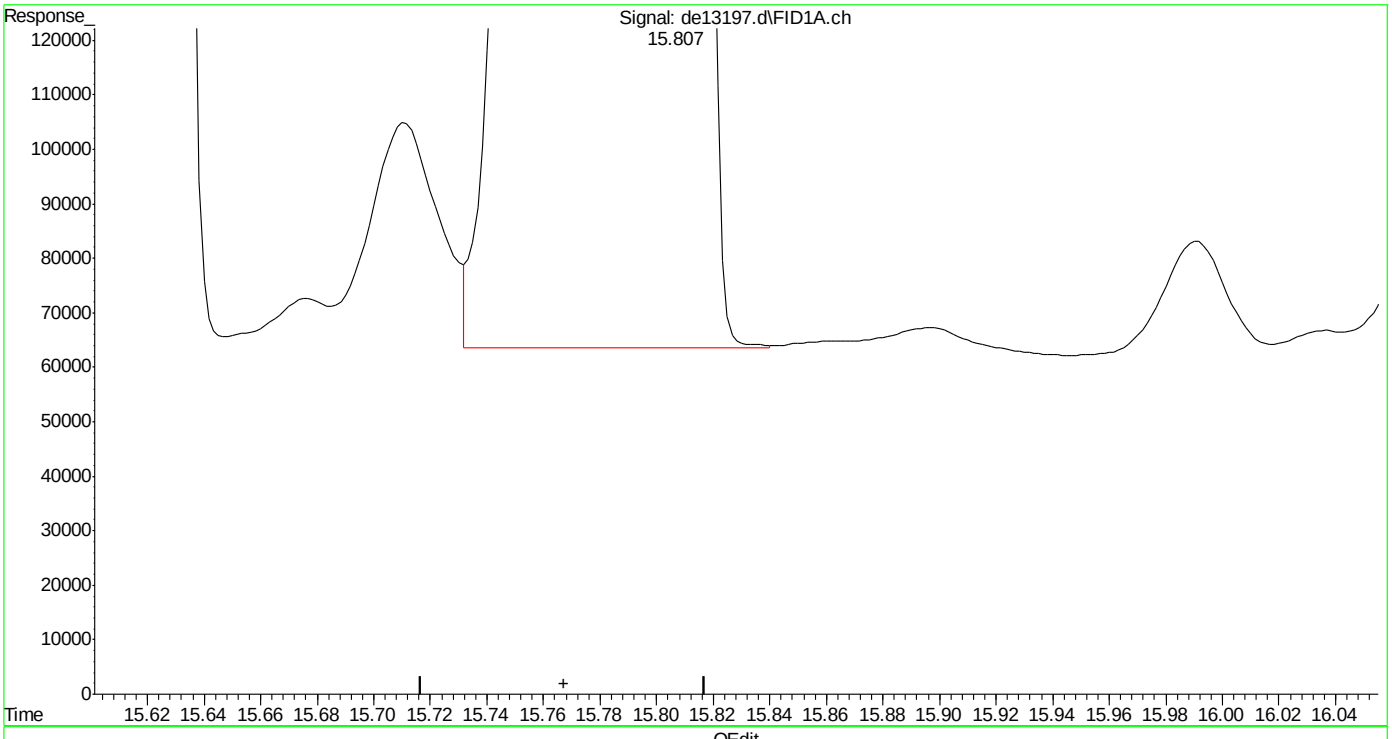
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) benzo(ghi)perylene
15.807min 188.129 µg/ml m
response 17523714

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 11:05:54 2016 Page: 1

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:53:41 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.807	4785763	51.889 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 259.44%#	
6) s 2-bromonaphthalene	7.540	3261205	51.967 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 259.83%#	
11) s o-terphenyl	10.085	5227790	51.039 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 255.20%#	
35) s 1-chlorooctadecane	11.252	2968966	52.479 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 262.39%#	
Target Compounds			
2) naphthalene	5.357	5321324	51.593 µg/ml
3) 2-methylnaphthalene	6.255	5225758	50.992 µg/ml
5) acenaphthylene	7.373	5189401	51.584 µg/ml
7) acenaphthene	7.617	5299977	51.269 µg/ml
8) fluorene	8.260	5216935	51.364 µg/ml
9) phenanthrene	9.443	5176102	50.864 µg/ml
10) anthracene	9.502	5163442	53.227 µg/ml
12) fluoranthene	10.953	5147188	51.502 µg/ml
13) pyrene	11.210	5076986	50.038 µg/ml
14) benzo(a)anthracene	12.773	5010585	51.829 µg/mlm
15) chrysene	12.822	4818393	49.500 µg/mlm
16) benzo(B)fluoranthene	14.070	5126155	51.778 µg/mlm
17) benzo(k)fluoranthene	14.102	4808431	50.882 µg/mlm
18) benzo(a)pyrene	14.405	4486318	48.535 µg/ml
19) indeno(1,2,3-cd)pyrene	15.543	4825283	50.976 µg/ml
20) dibenzo(ah)anthracene	15.588	4714989	51.587 µg/ml
21) benzo(ghi)perylene	15.768	4765990	51.735 µg/ml
25) h c-9	2.680	3669865	49.679 µg/mlm
26) h c-10	3.833	3682081	49.844 µg/ml
27) naphthalene #2	5.515	4035939	50.530 µg/ml
28) c-12	5.688	3625160	49.073 µg/ml
29) 2-methylnaphthalene #2	6.408	3954192	49.080 µg/ml
30) c-14	7.205	3605226	48.804 µg/ml
31) c-16	8.535	3538485	47.900 µg/ml
32) c-18	9.730	3494684	47.307 µg/ml
33) c-19	10.285	3424371	51.258 µg/ml
34) c-20	10.817	3390870	50.757 µg/ml
36) c-22	11.812	3335369	49.926 µg/ml
37) c-24	12.730	3275936	49.036 µg/ml
38) c-26	13.582	3251556	48.671 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:53:41 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
39)	c-28	14.375	3204302	47.964	µg/ml
40) h	c-30	15.122	3143578	47.055	µg/ml
41) h	c-36	17.010	2933493	43.910	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

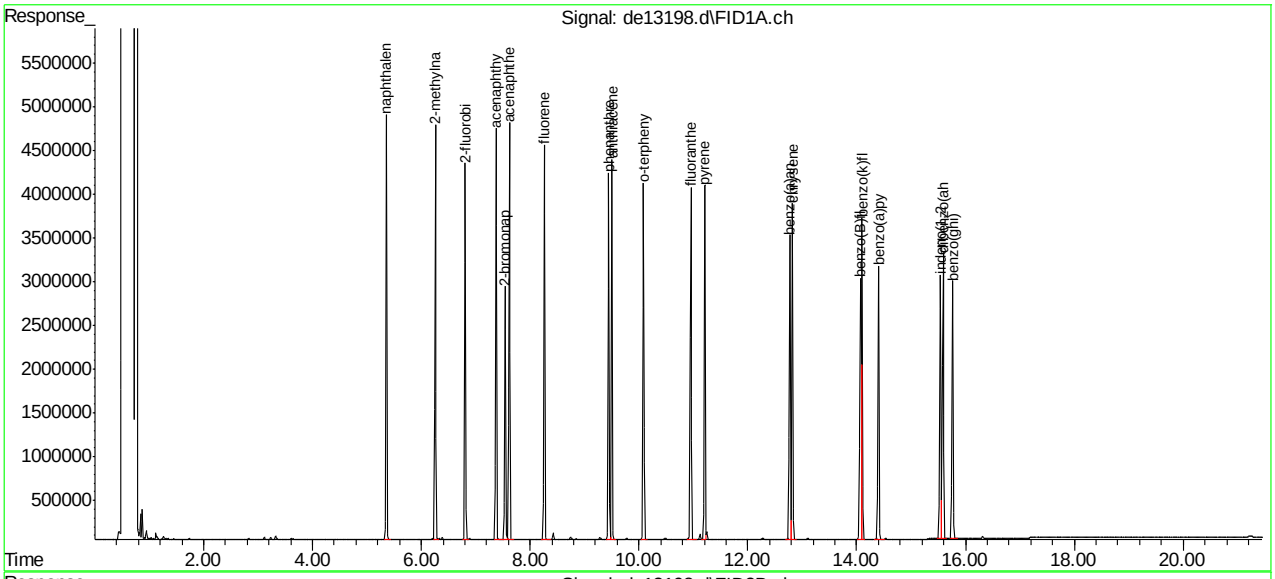
SGS ACCUTEST MC45754

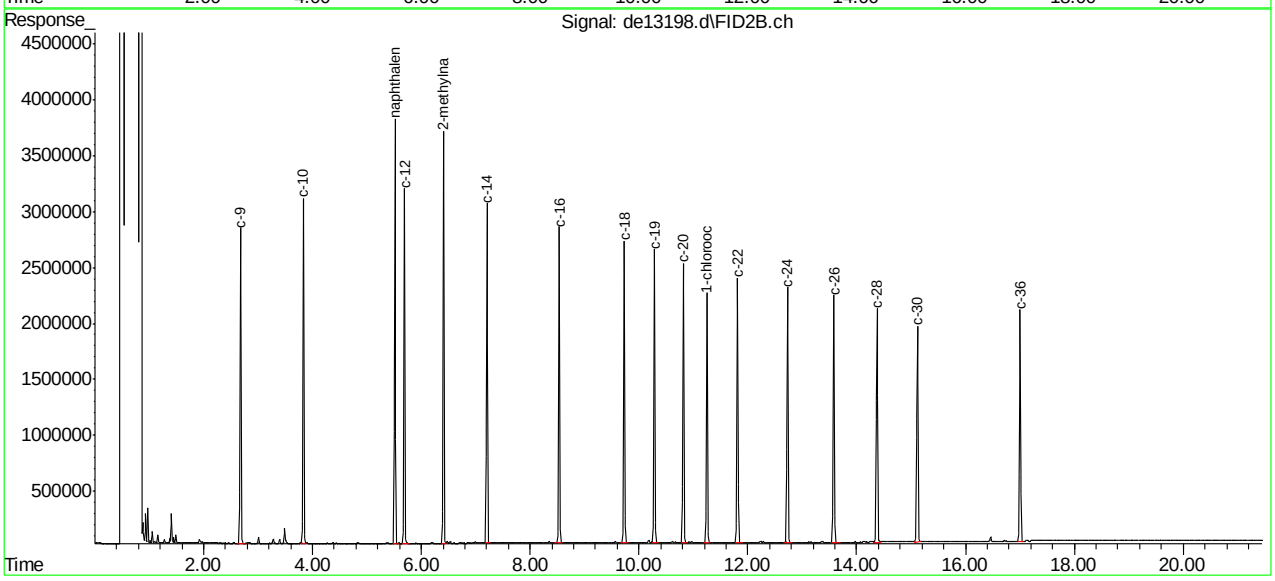
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

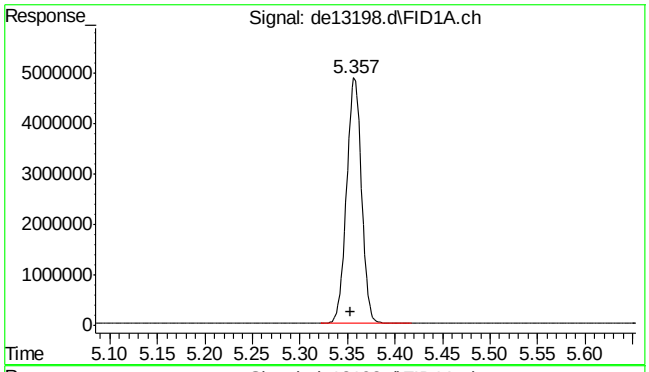
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:53:41 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



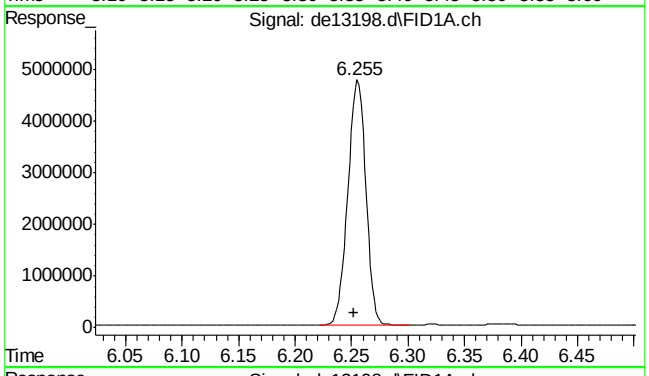


EPH160204W.M Fri Feb 05 14:30:14 2016 Page: 3



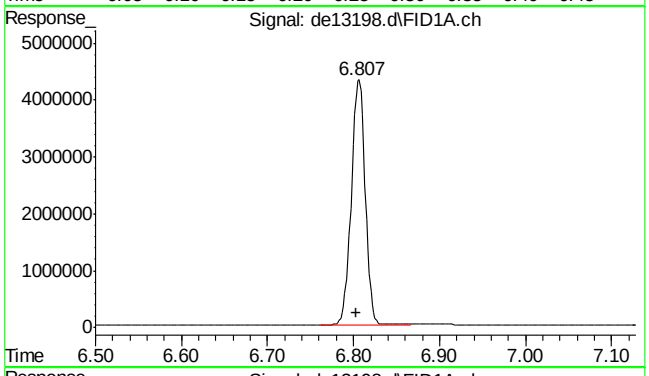
#2 naphthalene

R.T.: 5.357 min
Delta R.T.: 0.004 min
Response: 5321324
Conc: 51.59 µg/ml



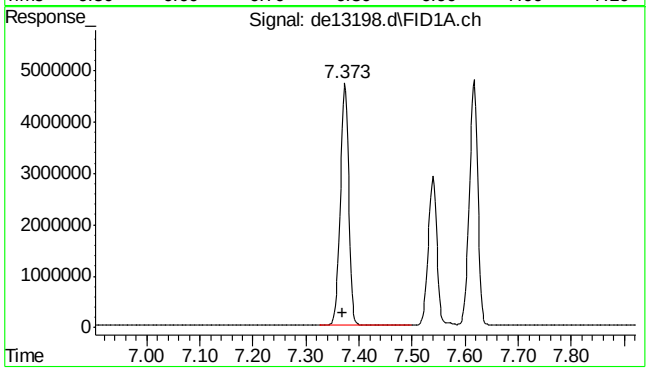
#3 2-methylnaphthalene

R.T.: 6.255 min
Delta R.T.: 0.003 min
Response: 5225758
Conc: 50.99 µg/ml



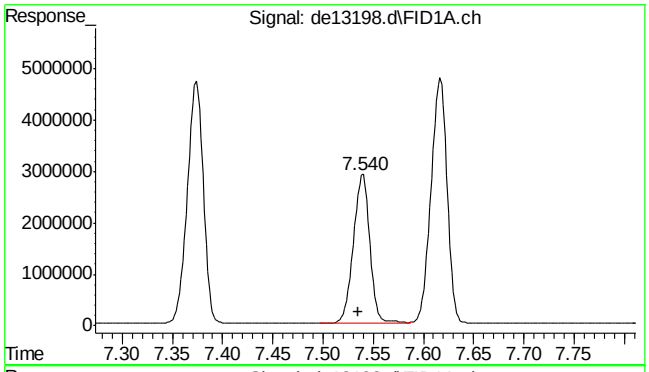
#4 2-fluorobiphenyl

R.T.: 6.807 min
Delta R.T.: 0.004 min
Response: 4785763
Conc: 51.89 µg/ml



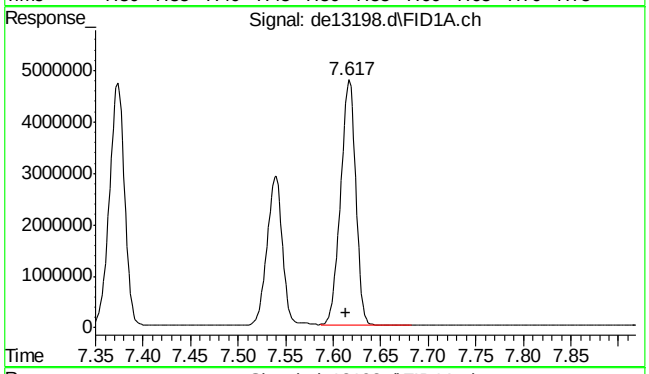
#5 acenaphthylene

R.T.: 7.373 min
Delta R.T.: 0.003 min
Response: 5189401
Conc: 51.58 µg/ml



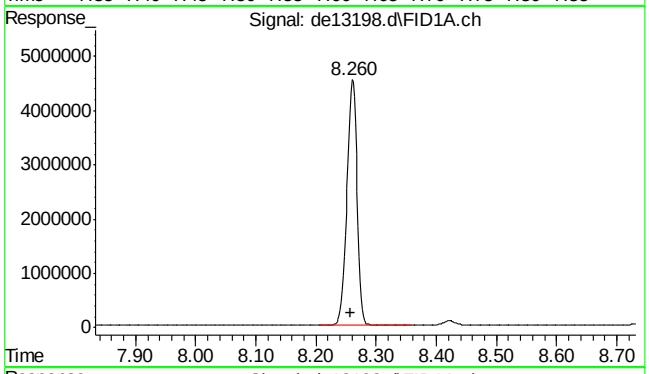
#6 2-bromonaphthalene

R.T.: 7.540 min
Delta R.T.: 0.005 min
Response: 3261205
Conc: 51.97 µg/ml



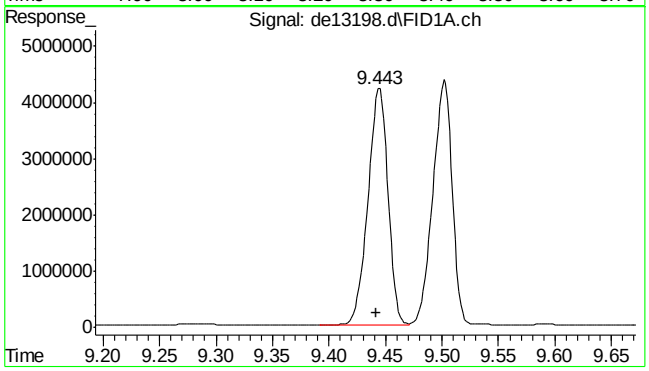
#7 acenaphthene

R.T.: 7.617 min
Delta R.T.: 0.004 min
Response: 5299977
Conc: 51.27 µg/ml



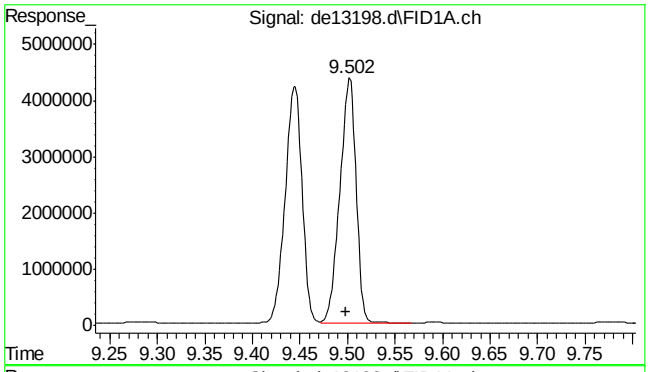
#8 fluorene

R.T.: 8.260 min
Delta R.T.: 0.003 min
Response: 5216935
Conc: 51.36 µg/ml



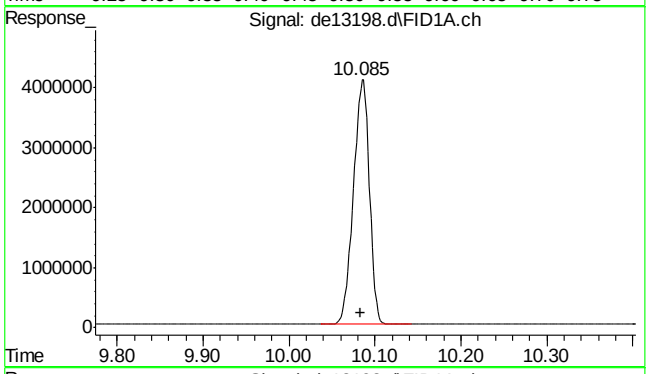
#9 phenanthrene

R.T.: 9.443 min
Delta R.T.: 0.001 min
Response: 5176102
Conc: 50.86 µg/ml



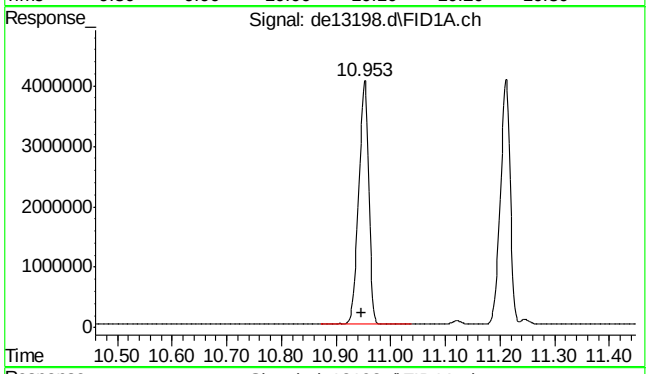
#10 anthracene

R.T.: 9.502 min
Delta R.T.: 0.004 min
Response: 5163442
Conc: 53.23 µg/ml



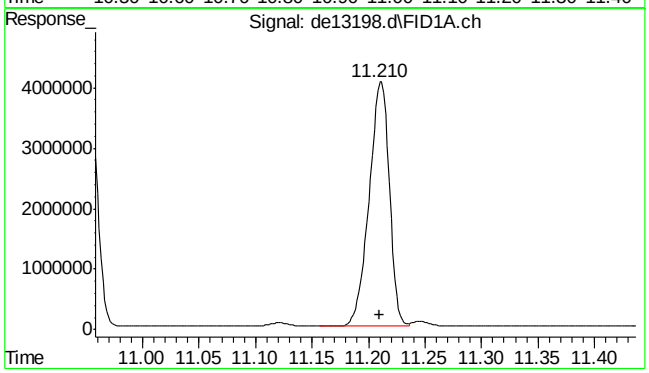
#11 o-terphenyl

R.T.: 10.085 min
Delta R.T.: 0.002 min
Response: 5227790
Conc: 51.04 µg/ml



#12 fluoranthene

R.T.: 10.953 min
Delta R.T.: 0.005 min
Response: 5147188
Conc: 51.50 µg/ml



#13 pyrene

R.T.: 11.210 min
Delta R.T.: 0.000 min
Response: 5076986
Conc: 50.04 µg/ml

9.4.8

9

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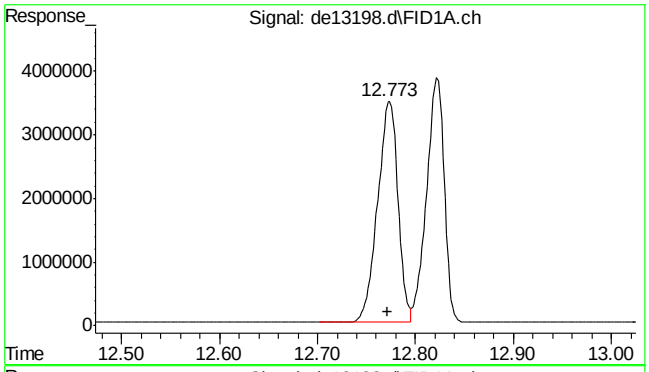
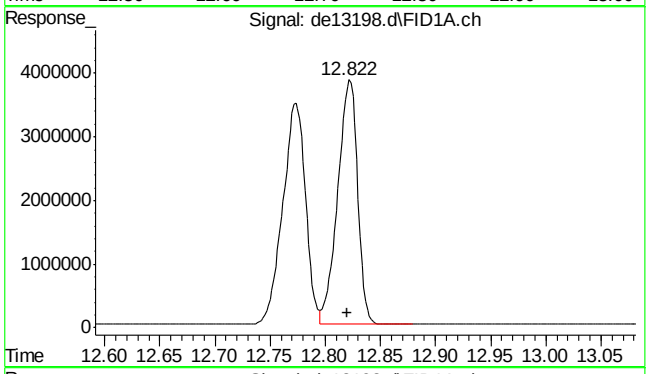


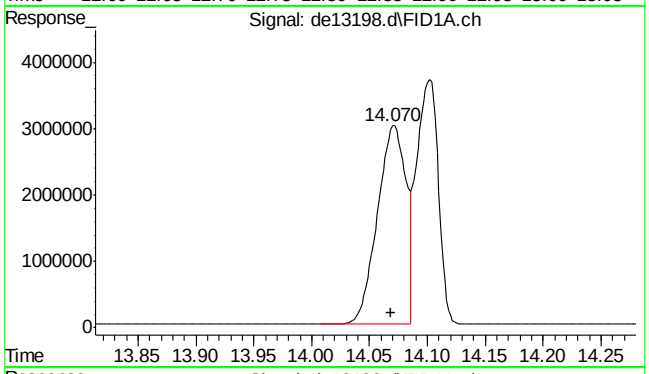
#14 benzo(a)anthracene

R.T.: 12.773 min
Delta R.T.: 0.001 min
Response: 5010585
Conc: 51.83 µg/ml m



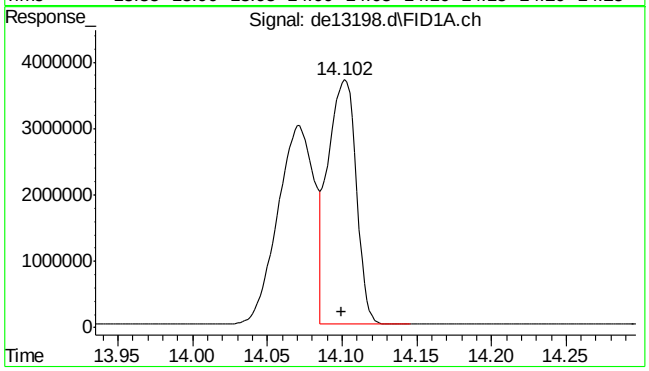
#15 chrysene

R.T.: 12.822 min
Delta R.T.: 0.002 min
Response: 4818393
Conc: 49.50 µg/ml m



#16 benzo(B)fluoranthene

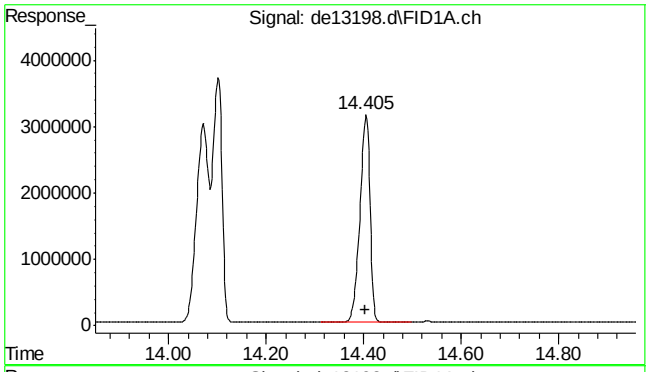
R.T.: 14.070 min
Delta R.T.: 0.002 min
Response: 5126155
Conc: 51.78 µg/ml m



#17 benzo(k)fluoranthene

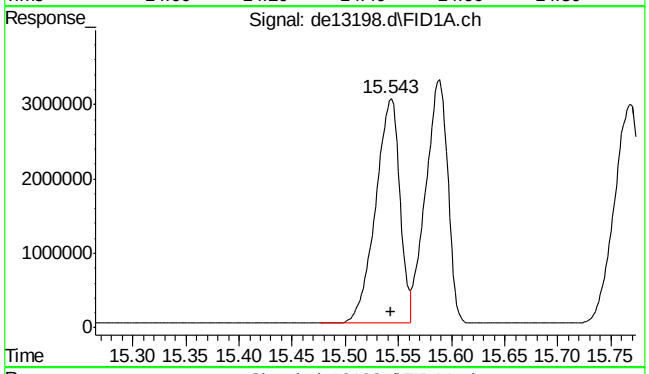
R.T.: 14.102 min
Delta R.T.: 0.002 min
Response: 4808431
Conc: 50.88 µg/ml m

SGS ACCUTEST MC45754



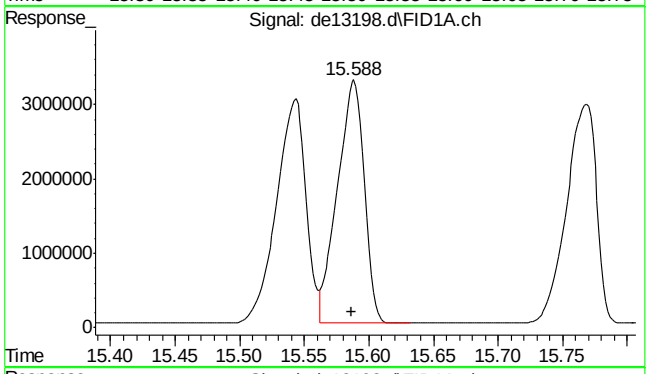
#18 benzo(a)pyrene

R.T.: 14.405 min
Delta R.T.: 0.003 min
Response: 4486318
Conc: 48.53 µg/ml



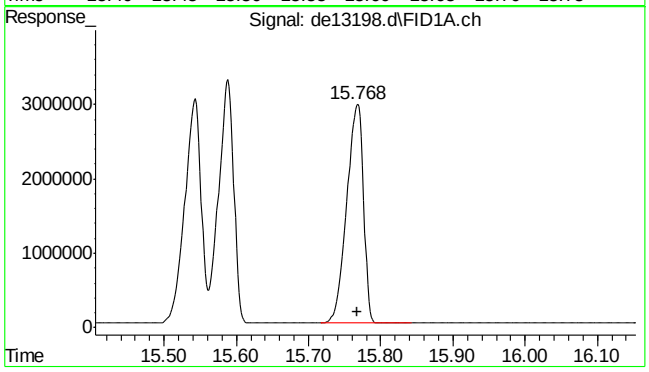
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.543 min
Delta R.T.: 0.000 min
Response: 4825283
Conc: 50.98 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.588 min
Delta R.T.: 0.001 min
Response: 4714989
Conc: 51.59 µg/ml



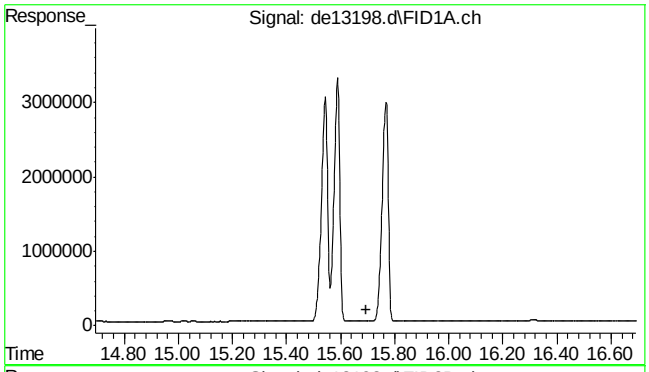
#21 benzo(ghi)perylene

R.T.: 15.768 min
Delta R.T.: 0.001 min
Response: 4765990
Conc: 51.73 µg/ml

9.4.8

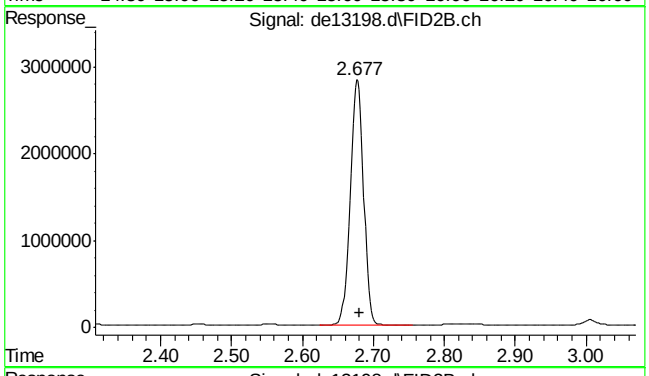
9

SGS ACCUTEST MC45754



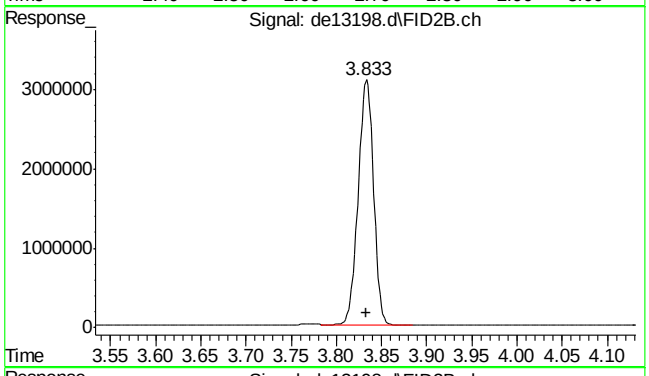
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



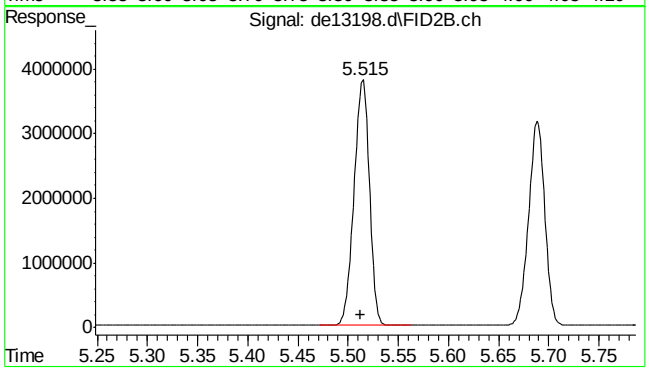
#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 3669865
Conc: 49.68 µg/ml m



#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 3682081
Conc: 49.84 µg/ml



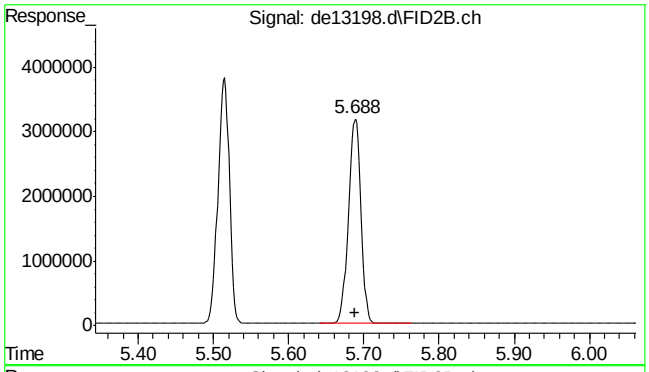
#27 naphthalene #2

R.T.: 5.515 min
Delta R.T.: 0.002 min
Response: 4035939
Conc: 50.53 µg/ml

9.4.8

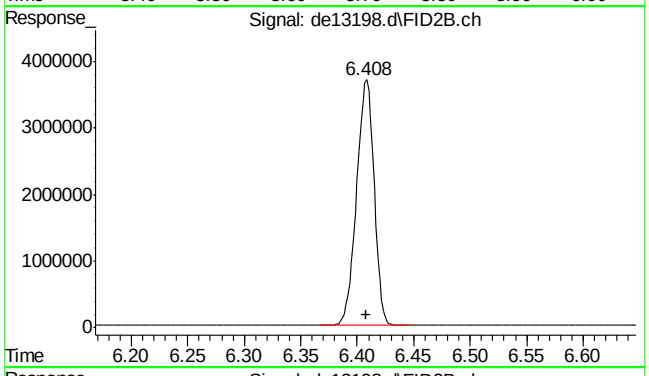
9

SGS ACCUTEST MC45754



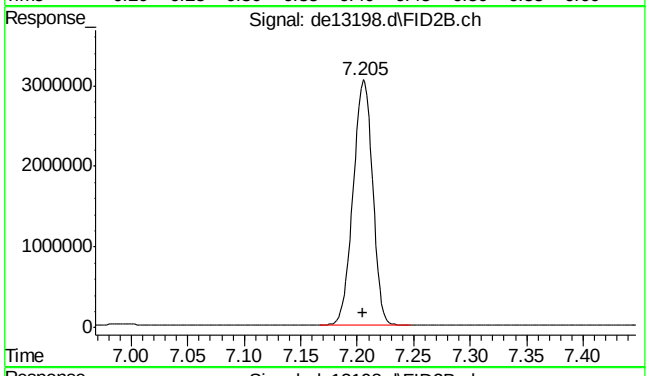
#28 c-12

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 3625160
Conc: 49.07 µg/ml



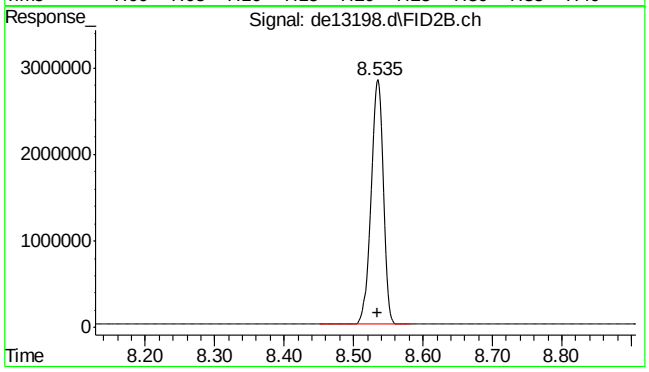
#29 2-methylnaphthalene #2

R.T.: 6.408 min
Delta R.T.: 0.000 min
Response: 3954192
Conc: 49.08 µg/ml



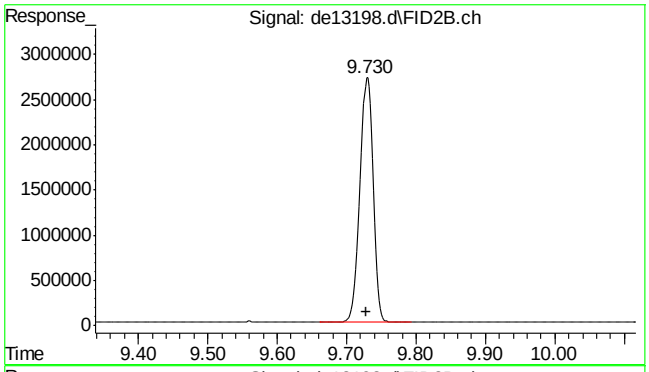
#30 c-14

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 3605226
Conc: 48.80 µg/ml



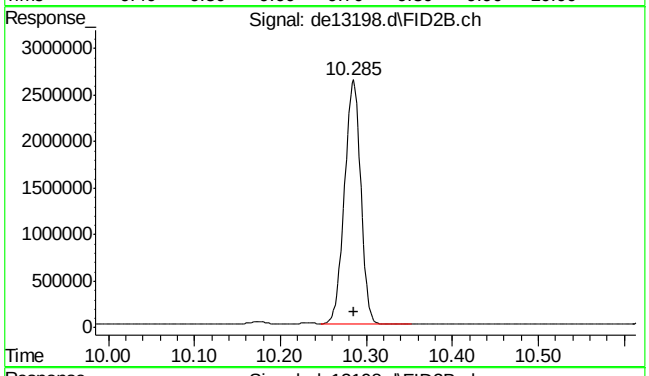
#31 c-16

R.T.: 8.535 min
Delta R.T.: 0.000 min
Response: 3538485
Conc: 47.90 µg/ml



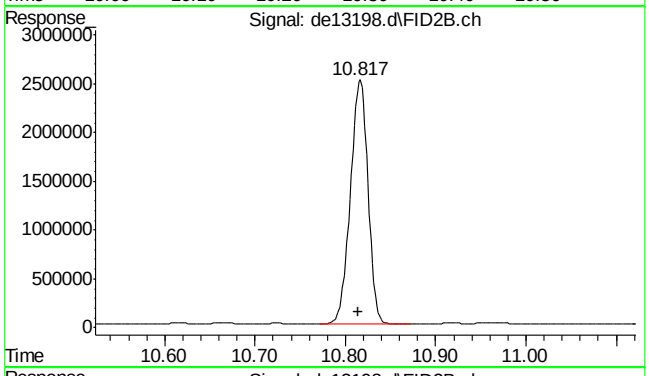
#32 c-18

R.T.: 9.730 min
Delta R.T.: 0.002 min
Response: 3494684
Conc: 47.31 µg/ml



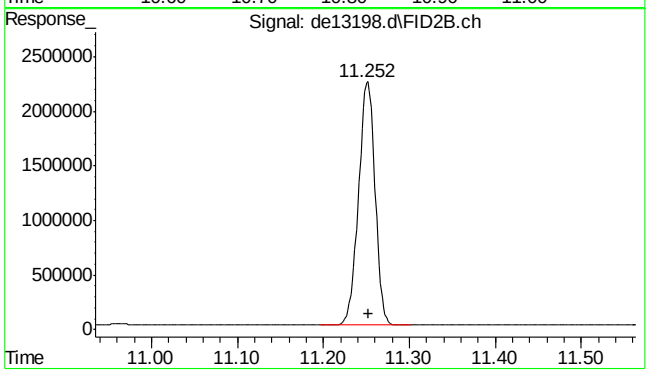
#33 c-19

R.T.: 10.285 min
Delta R.T.: 0.000 min
Response: 3424371
Conc: 51.26 µg/ml



#34 c-20

R.T.: 10.817 min
Delta R.T.: 0.002 min
Response: 3390870
Conc: 50.76 µg/ml



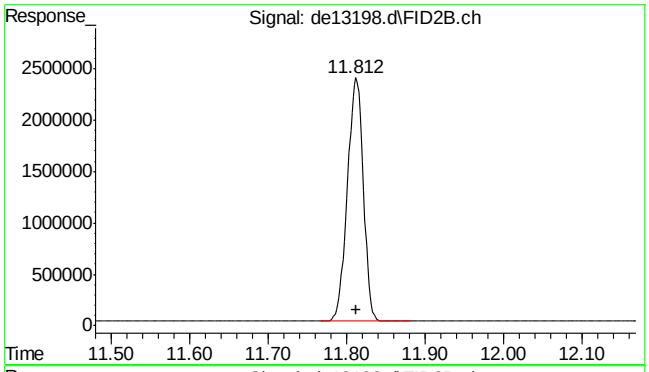
#35 1-chlorooctadecane

R.T.: 11.252 min
Delta R.T.: 0.000 min
Response: 2968966
Conc: 52.48 µg/ml

9.4.8

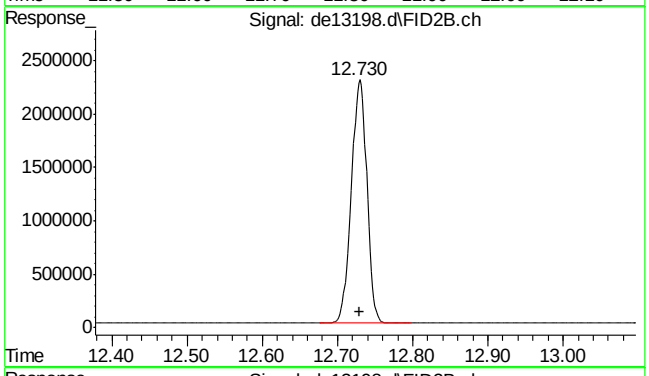
9

SGS ACCUTEST MC45754



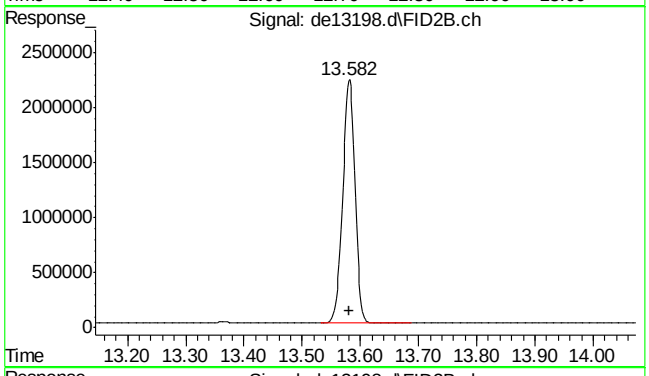
#36 c-22

R.T.: 11.812 min
Delta R.T.: 0.000 min
Response: 3335369
Conc: 49.93 µg/ml



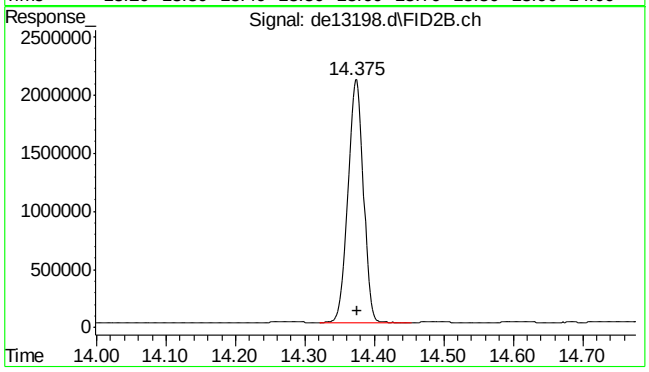
#37 c-24

R.T.: 12.730 min
Delta R.T.: 0.000 min
Response: 3275936
Conc: 49.04 µg/ml



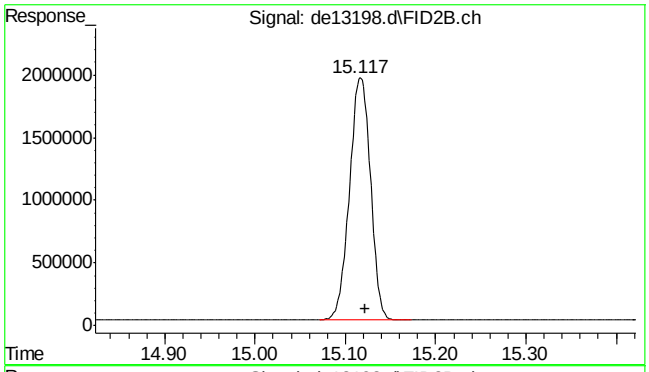
#38 c-26

R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 3251556
Conc: 48.67 µg/ml



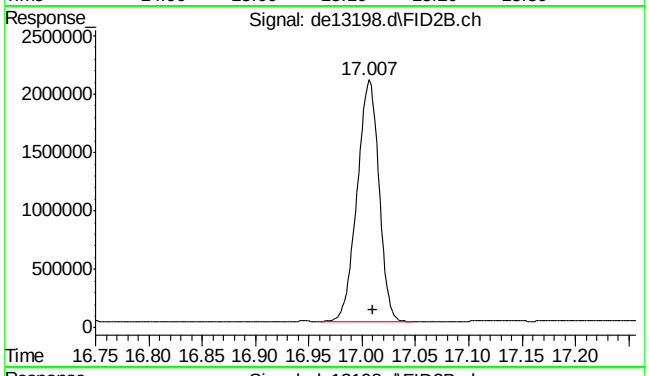
#39 c-28

R.T.: 14.375 min
Delta R.T.: 0.000 min
Response: 3204302
Conc: 47.96 µg/ml



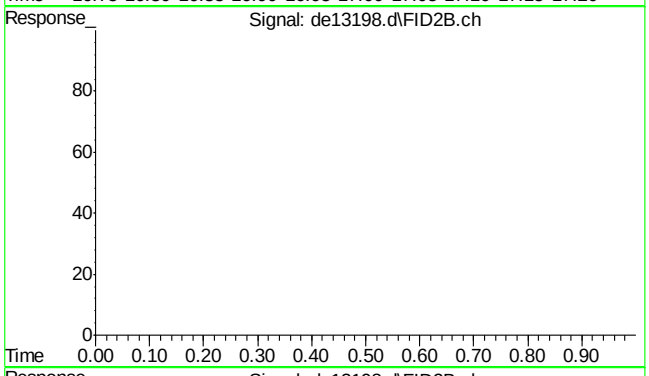
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 3143578
Conc: 47.06 µg/ml



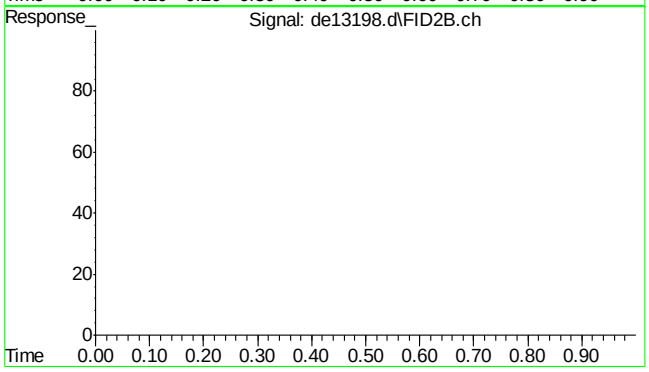
#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 2933493
Conc: 43.91 µg/ml m



#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



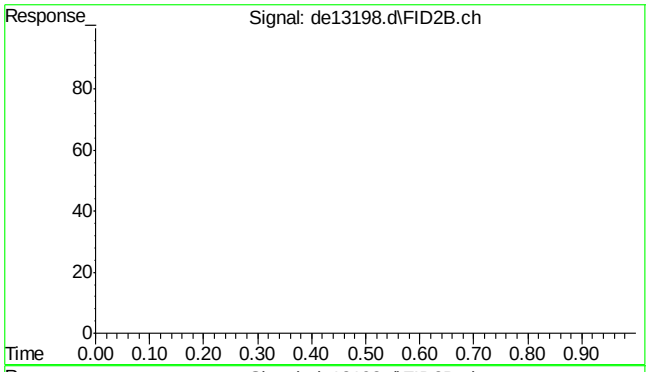
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.8

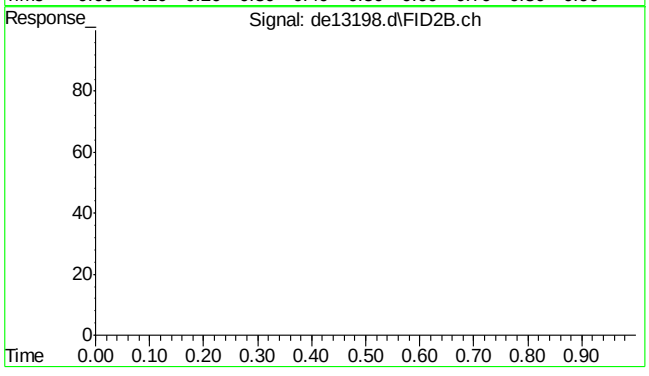
9

SGS ACCUTEST MC45754



#44 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```



#45 bht

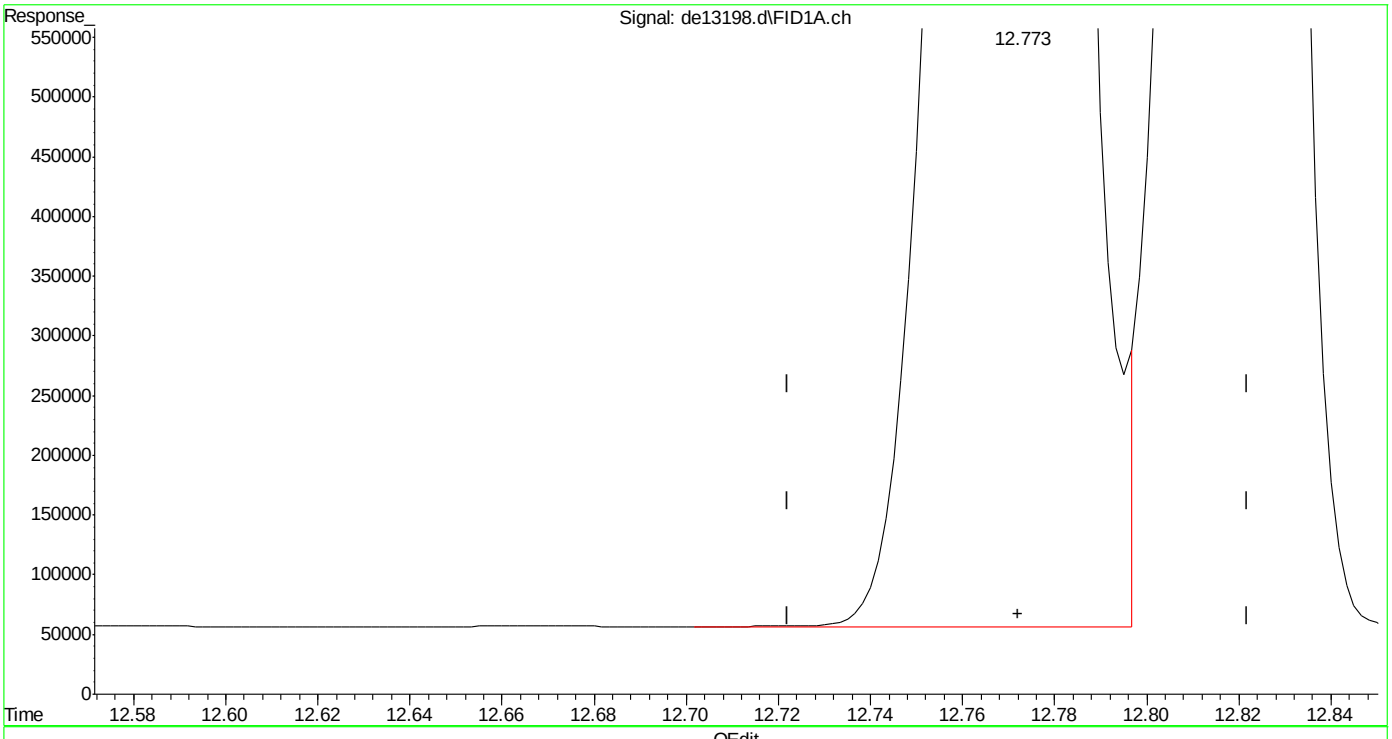
```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.773min 52.075 µg/ml
response 5034310

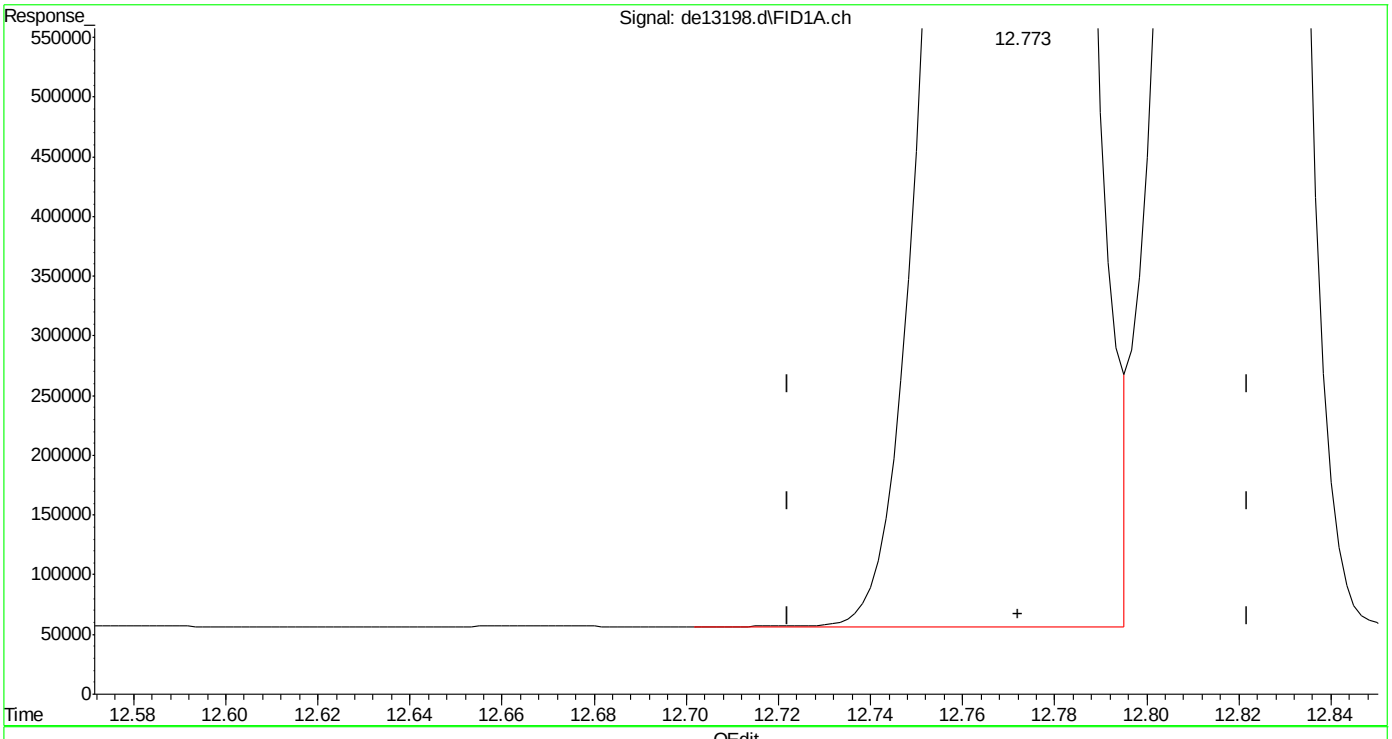
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.773min 51.829 µg/ml m
response 5010585

(+) = Expected Retention Time

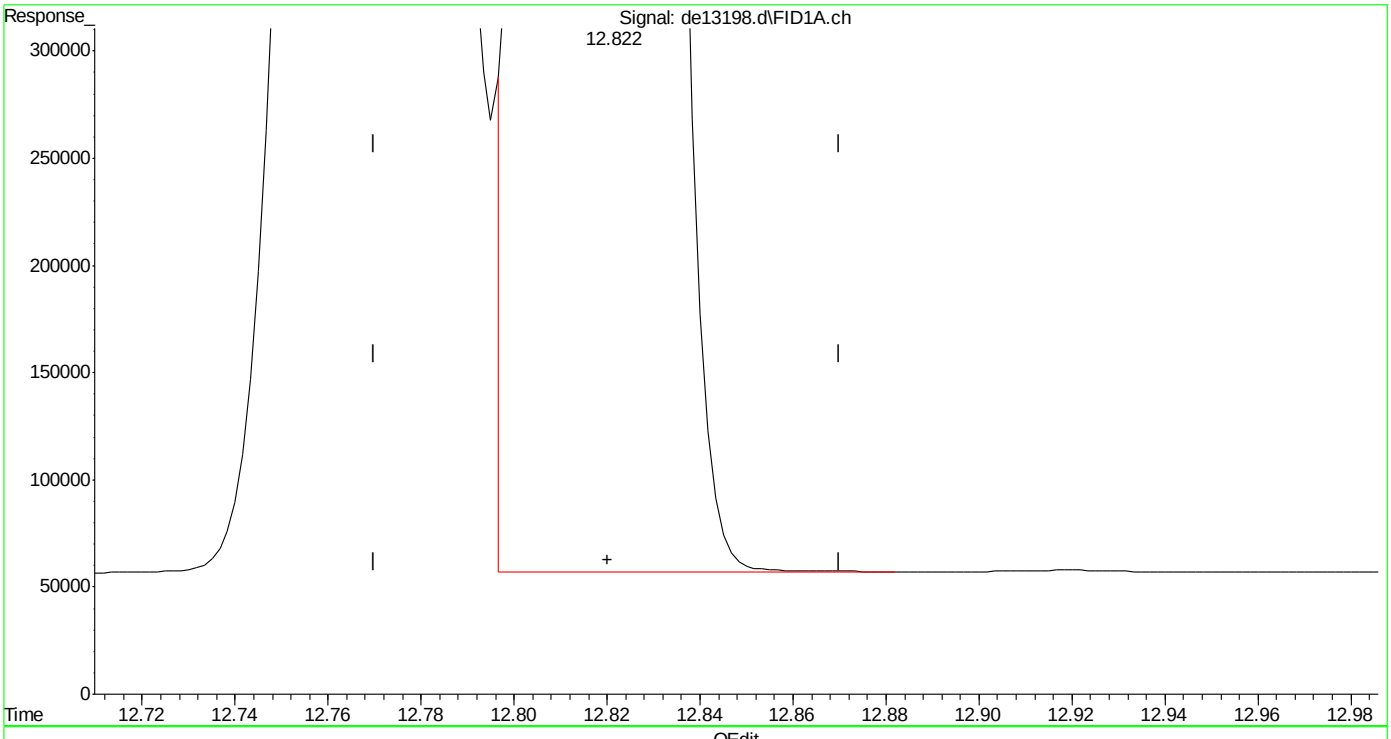
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.822min 49.264 µg/ml
response 4795363

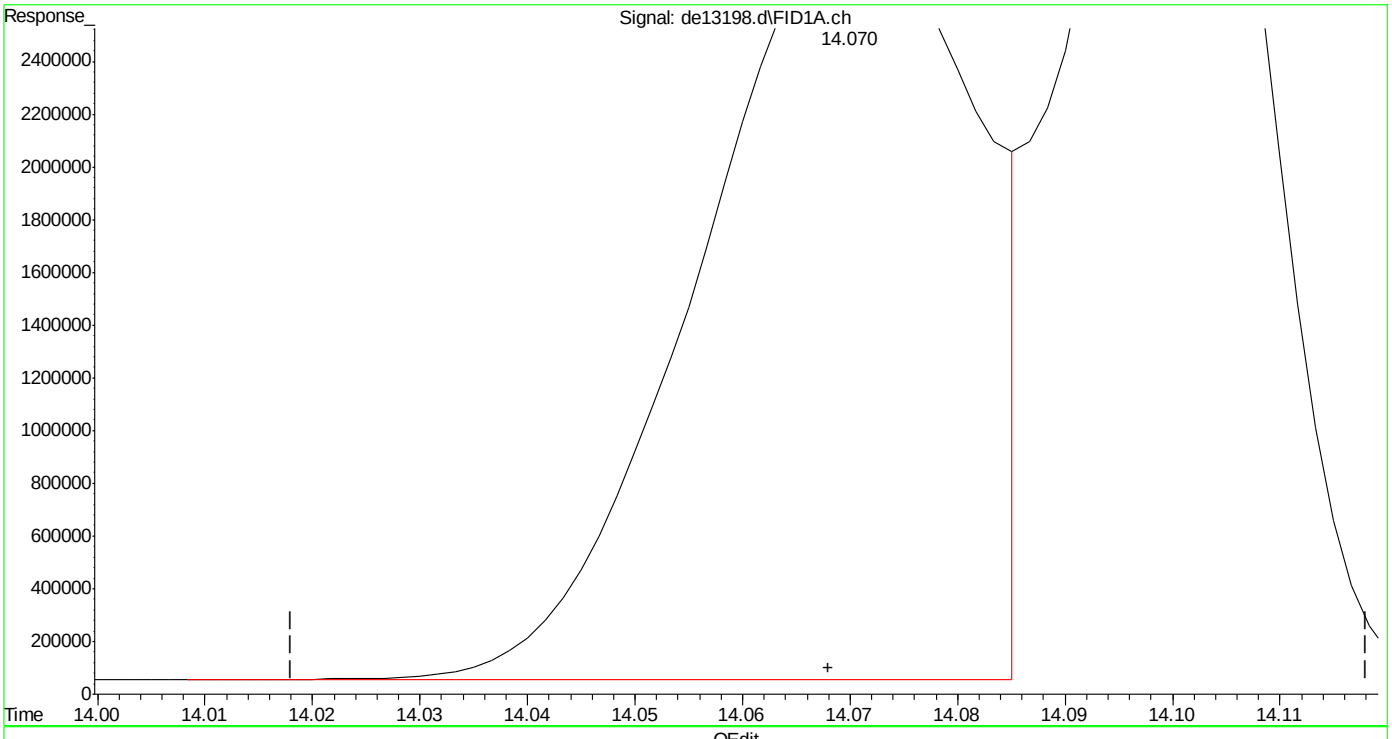
(+) = Expected Retention Time
EPH160204W.M Fri Feb 05 11:46:32 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.070min 51.778 µg/ml m
response 5126155

(+) = Expected Retention Time

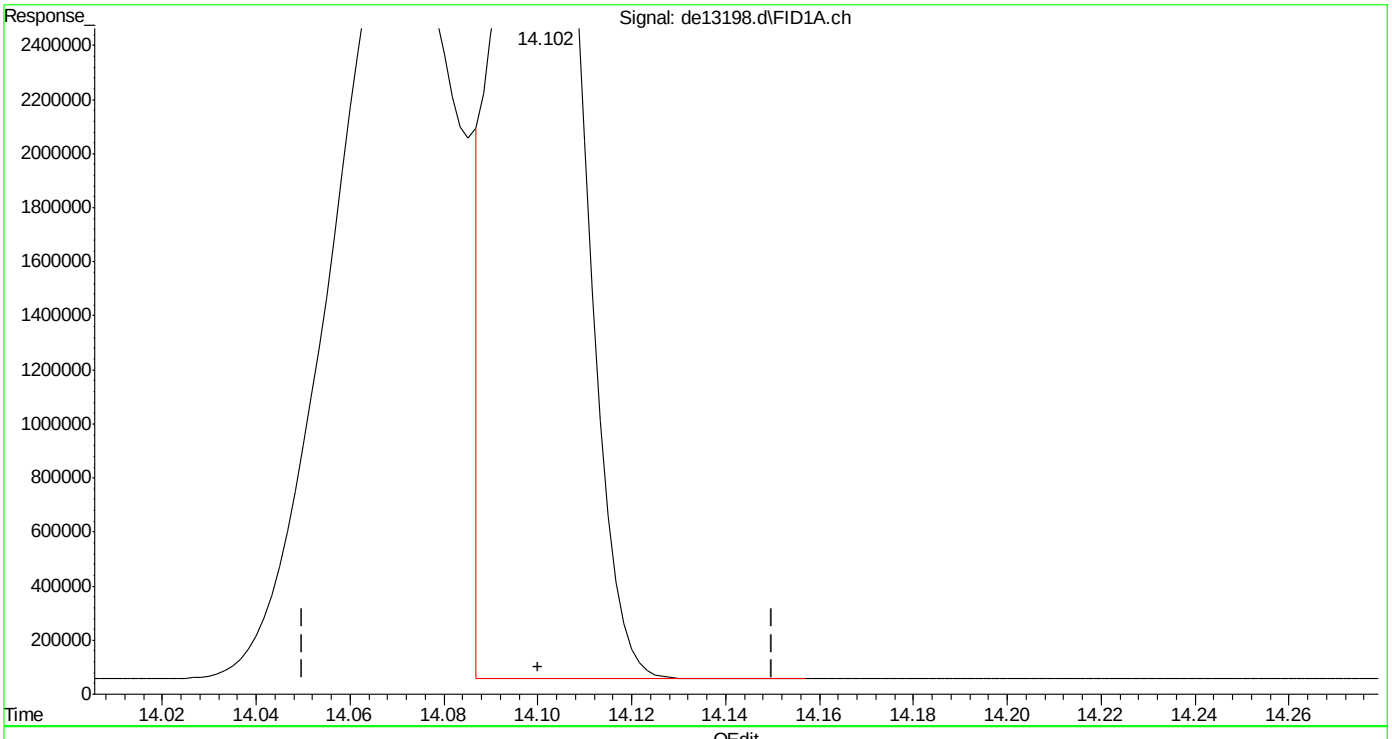
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.102min 48.745 µg/ml
response 4606556

(+) = Expected Retention Time

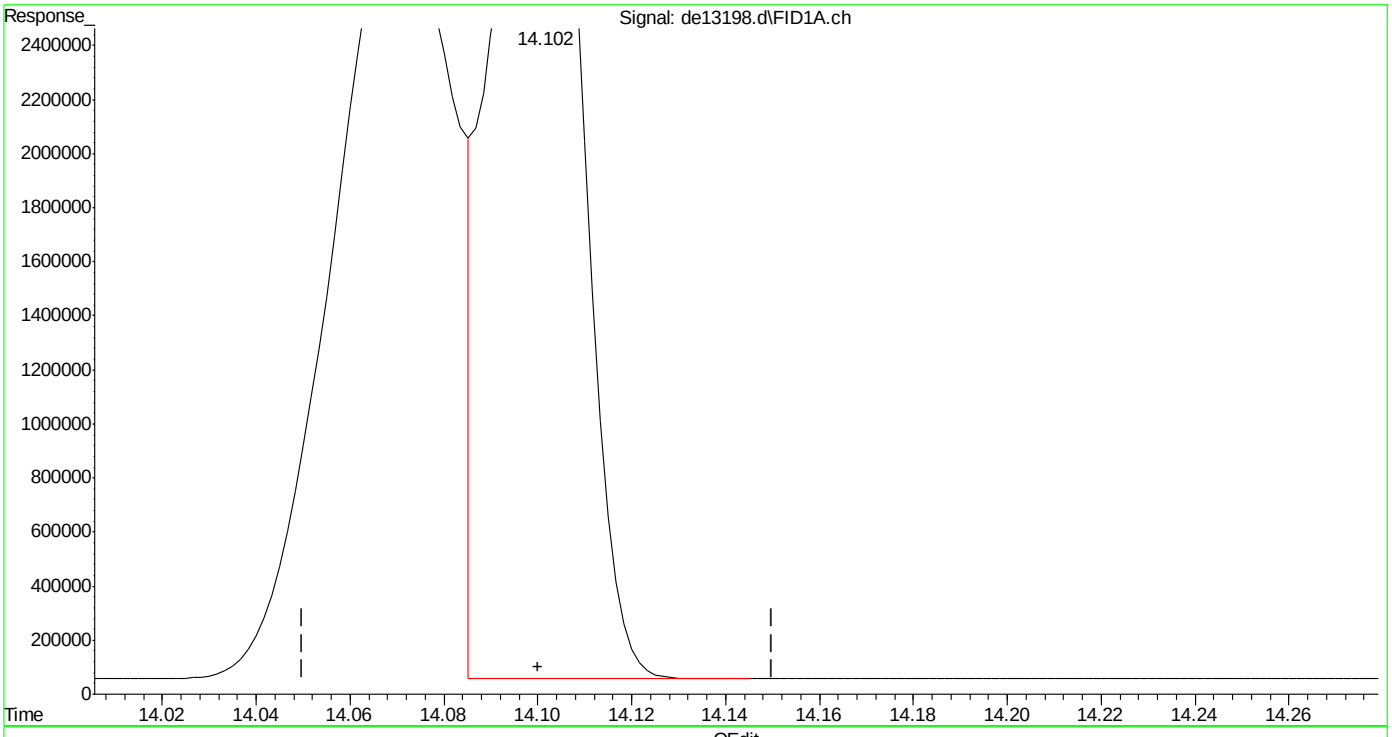
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.102min 50.882 µg/ml m
response 4808431

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/10/16 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14056.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:10 pm
Operator : thomasa
Sample : cc735-50, gde788 (Sig #1); cc735-50, after maint. gde788 (Sig #2)
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 12:46:15 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) s	2-fluorobiphenyl	6.657	5171898	56.076 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 280.38%#
6) s	2-bromonaphthalene	7.387	3436528	54.761 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 273.81%#
11) s	o-terphenyl	9.927	5530665	53.996 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 269.98%#
35) s	1-chlorooctadecane	11.227	2839138	50.184 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 250.92%#
	Target Compounds			
2)	naphthalene	5.203	5818517	56.414 µg/ml
3)	2-methylnaphthalene	6.103	5679709	55.422 µg/ml
5)	acenaphthylene	7.220	5654688	56.209 µg/ml
7)	acenaphthene	7.460	5856732	56.654 µg/ml
8)	fluorene	8.107	5660739	55.734 µg/ml
9)	phenanthrene	9.290	5486360	53.913 µg/ml
10)	anthracene	9.347	5305426	54.691 µg/ml
12)	fluoranthene	10.795	5293573	52.967 µg/ml
13)	pyrene	11.053	5413452	53.354 µg/ml
14)	benzo(a)anthracene	12.618	5027609	52.005 µg/ml
15)	chrysene	12.667	5072714	52.113 µg/ml
16)	benzo(B)fluoranthene	13.920	5278695	53.319 µg/mlm
17)	benzo(k)fluoranthene	13.950	4852350	51.346 µg/mlm
18)	benzo(a)pyrene	14.255	4808935	52.025 µg/ml
19)	indeno(1,2,3-cd)pyrene	15.398	4937480	52.161 µg/ml
20)	dibenzo(ah)anthracene	15.438	4656712	50.949 µg/ml
21)	benzo(ghi)perylene	15.620	4729708	51.341 µg/ml
25) h	c-9	2.648	3661318	49.563 µg/mlm
26) h	c-10	3.815	3702475	50.120 µg/ml
27)	naphthalene #2	5.490	3955547	49.523 µg/ml
28)	c-12	5.667	3684944	49.883 µg/ml
29)	2-methylnaphthalene #2	6.383	3948206	49.006 µg/ml
30)	c-14	7.183	3661994	49.572 µg/ml
31)	c-16	8.513	3628980	49.125 µg/ml
32)	c-18	9.708	3644133	49.330 µg/ml
33)	c-19	10.262	3608503	54.014 µg/ml
34)	c-20	10.793	3533511	52.892 µg/ml
36)	c-22	11.788	3511660	52.565 µg/ml
37)	c-24	12.707	3282741	49.138 µg/ml
38)	c-26	13.558	3480046	52.091 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14056.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:10 pm
Operator : thomasa
Sample : cc735-50, gde788 (Sig #1); cc735-50, after maint. gde788 (Sig #2)
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 12:46:15 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
39)	c-28	14.350	3356191	50.238 µg/ml
40) h	c-30	15.098	3337040	49.951 µg/ml
41) h	c-36	17.008	2997101	44.862 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.9

9

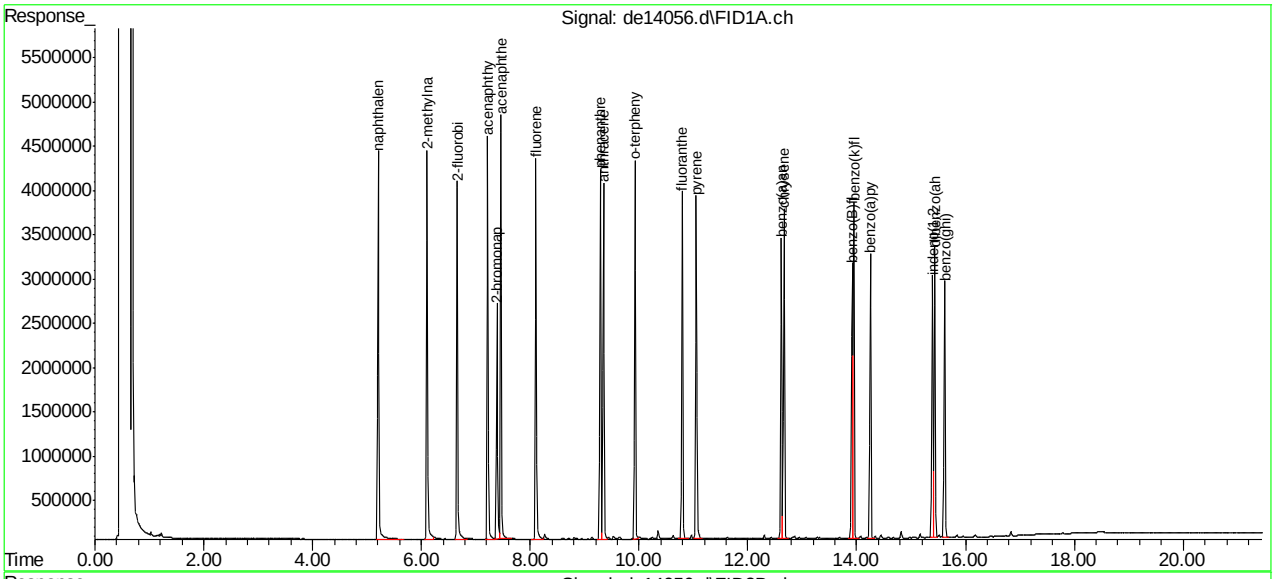
SGS ACCUTEST MC45754

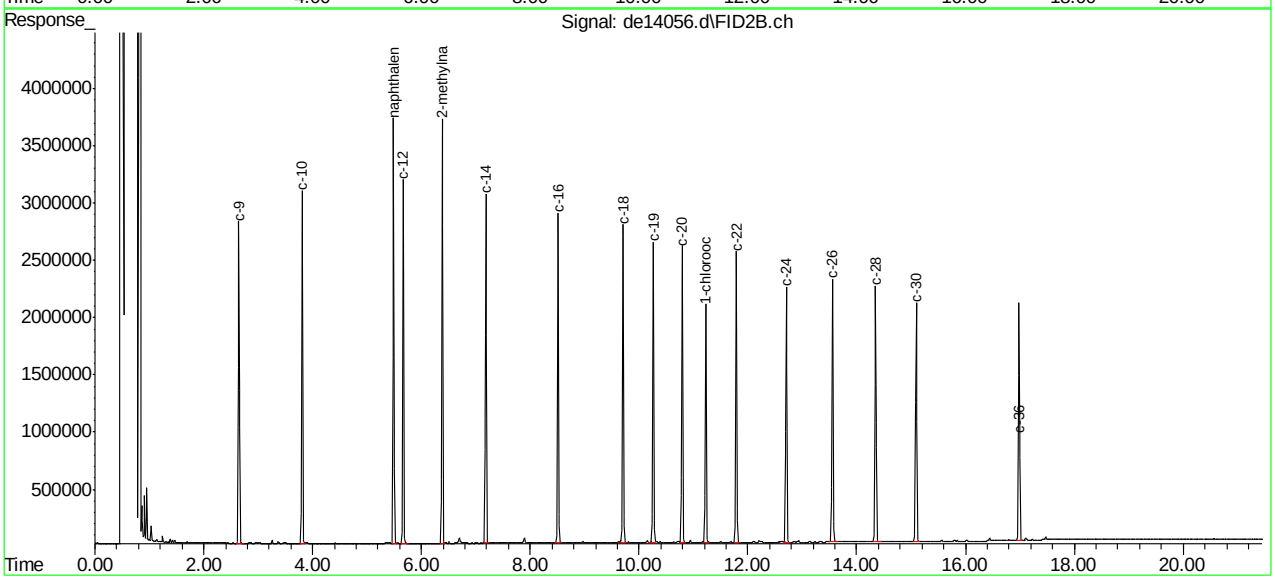
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14056.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:10 pm
Operator : thomasa
Sample : cc735-50, gde788 (Sig #1); cc735-50, after maint. gde788 (Sig #2)
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

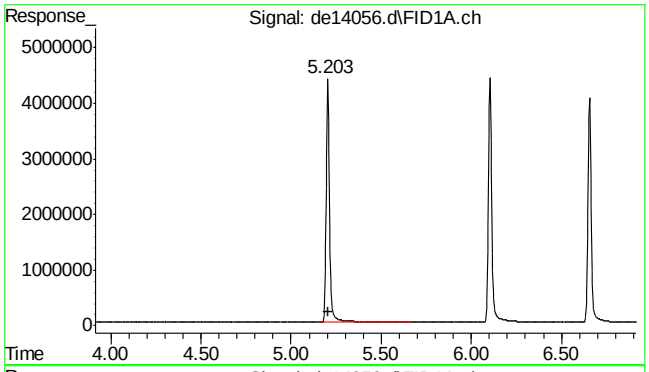
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 12:46:15 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



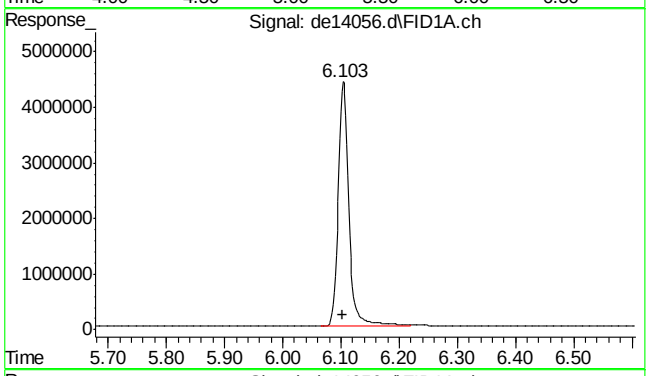


SGS ACCUTEST MC45754



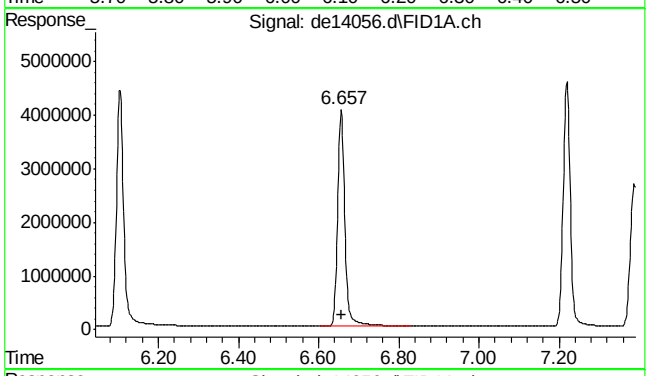
#2 naphthalene

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 5818517
Conc: 56.41 µg/ml



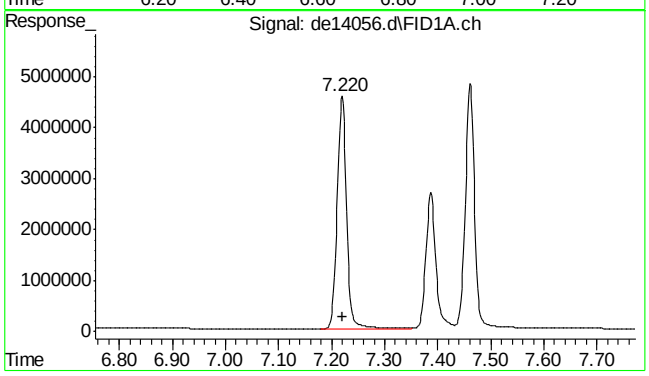
#3 2-methylnaphthalene

R.T.: 6.103 min
Delta R.T.: 0.000 min
Response: 5679709
Conc: 55.42 µg/ml



#4 2-fluorobiphenyl

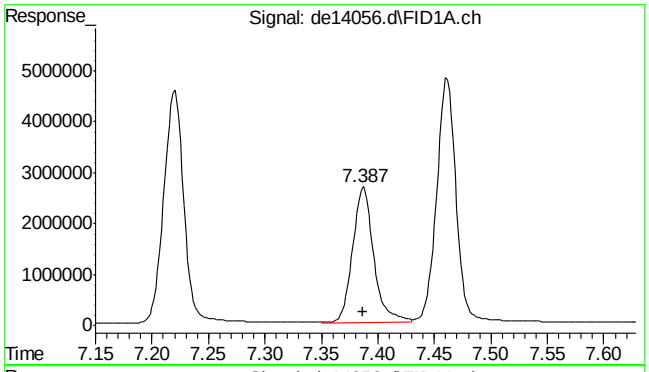
R.T.: 6.657 min
Delta R.T.: 0.000 min
Response: 5171898
Conc: 56.08 µg/ml



#5 acenaphthylene

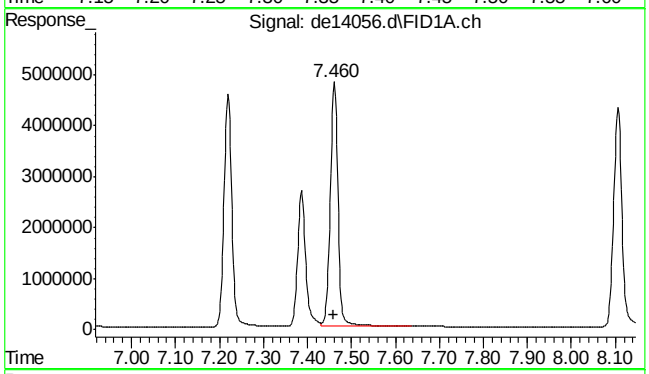
R.T.: 7.220 min
Delta R.T.: 0.000 min
Response: 5654688
Conc: 56.21 µg/ml

SGS ACCUTEST MC45754



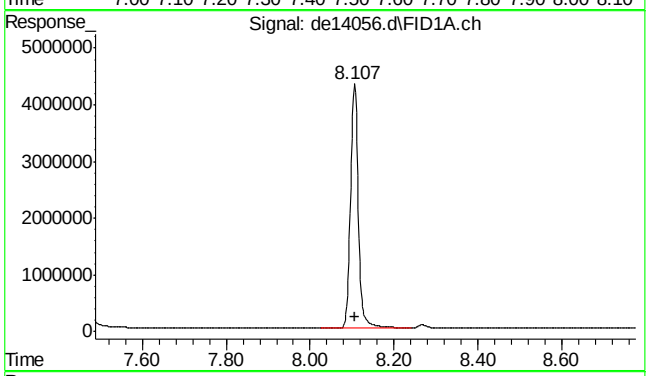
#6 2-bromonaphthalene

R.T.: 7.387 min
Delta R.T.: 0.000 min
Response: 3436528
Conc: 54.76 µg/ml



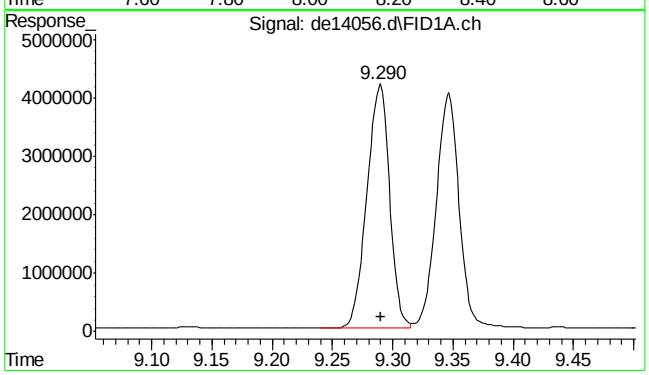
#7 acenaphthene

R.T.: 7.460 min
Delta R.T.: 0.000 min
Response: 5856732
Conc: 56.65 µg/ml



#8 fluorene

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 5660739
Conc: 55.73 µg/ml



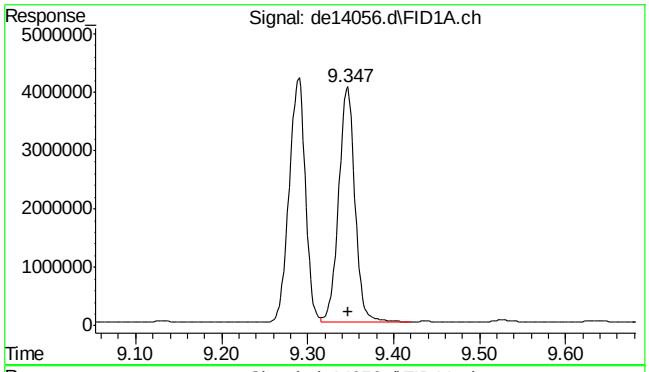
#9 phenanthrene

R.T.: 9.290 min
Delta R.T.: 0.000 min
Response: 5486360
Conc: 53.91 µg/ml

9.4.9

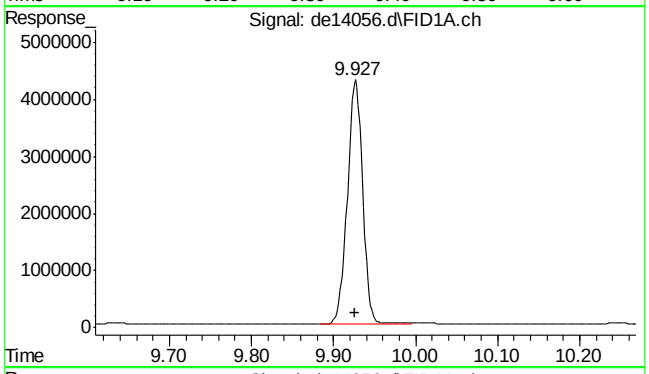
9

SGS ACCUTEST MC45754



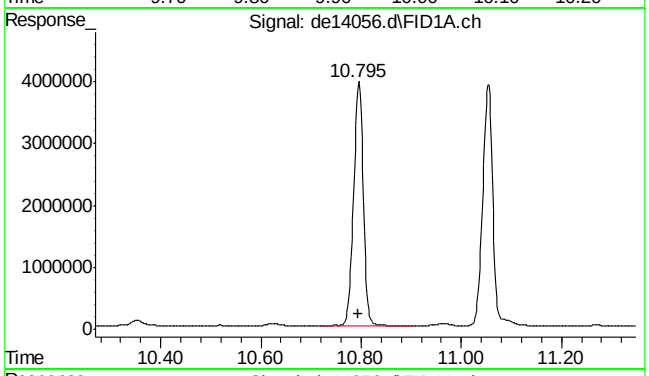
#10 anthracene

R.T.: 9.347 min
Delta R.T.: 0.000 min
Response: 5305426
Conc: 54.69 µg/ml



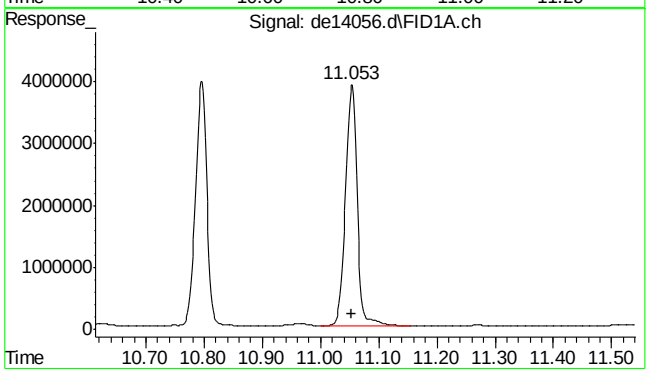
#11 o-terphenyl

R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 5530665
Conc: 54.00 µg/ml



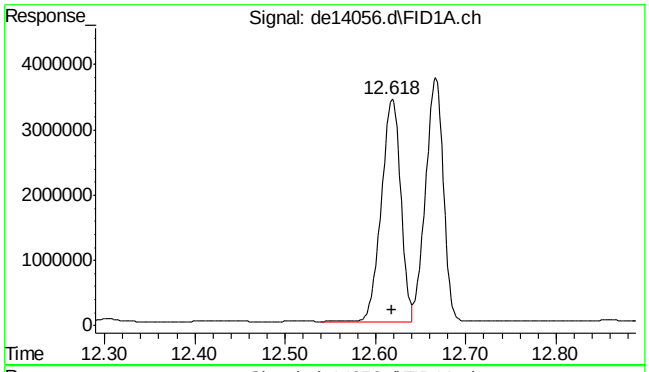
#12 fluoranthene

R.T.: 10.795 min
Delta R.T.: 0.000 min
Response: 5293573
Conc: 52.97 µg/ml



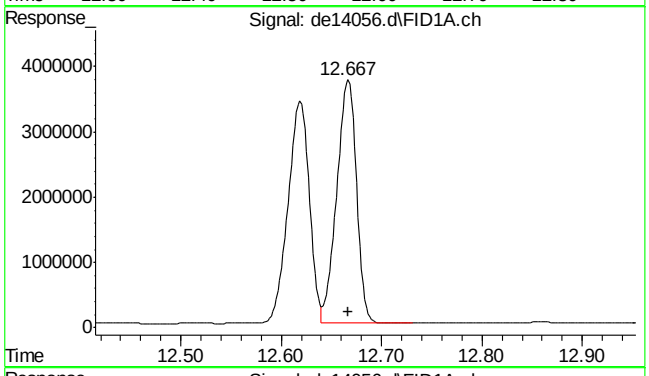
#13 pyrene

R.T.: 11.053 min
Delta R.T.: 0.000 min
Response: 5413452
Conc: 53.35 µg/ml



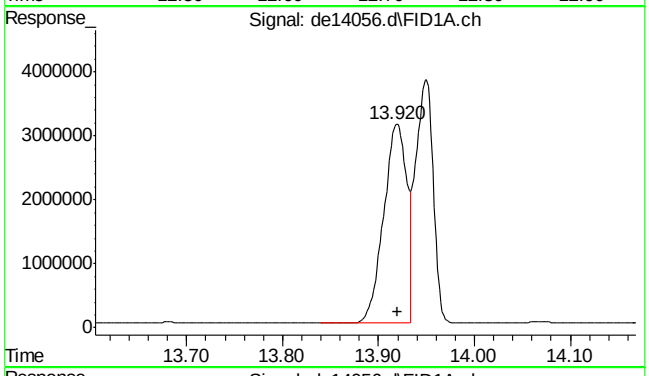
#14 benzo(a)anthracene

R.T.: 12.618 min
Delta R.T.: 0.000 min
Response: 5027609
Conc: 52.01 µg/ml



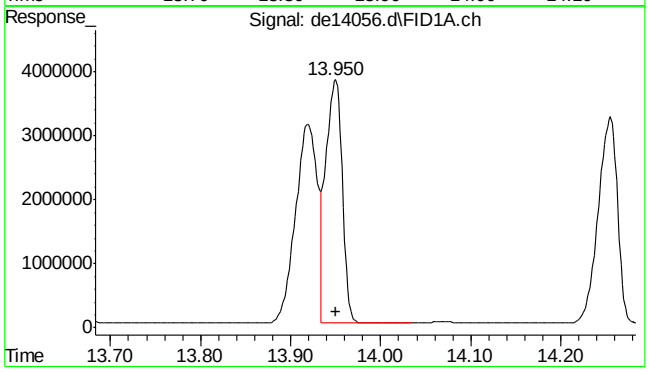
#15 chrysene

R.T.: 12.667 min
Delta R.T.: 0.000 min
Response: 5072714
Conc: 52.11 µg/ml



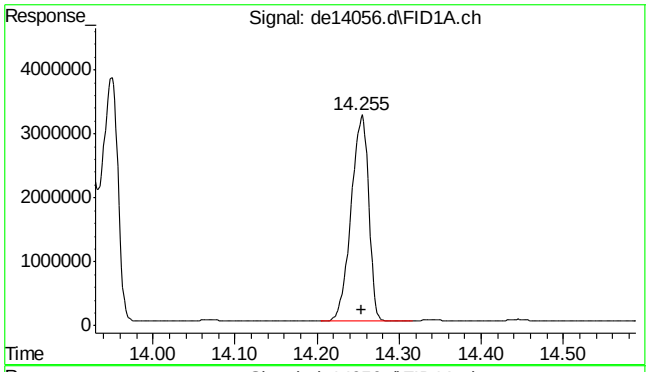
#16 benzo(B)fluoranthene

R.T.: 13.920 min
Delta R.T.: 0.000 min
Response: 5278695
Conc: 53.32 µg/ml m



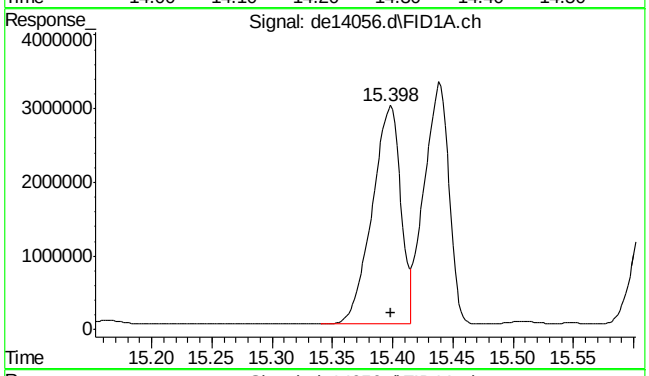
#17 benzo(k)fluoranthene

R.T.: 13.950 min
Delta R.T.: 0.000 min
Response: 4852350
Conc: 51.35 µg/ml m



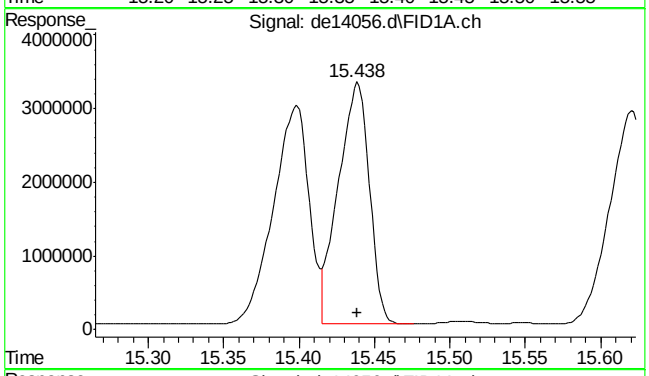
#18 benzo(a)pyrene

R.T.: 14.255 min
Delta R.T.: 0.000 min
Response: 4808935
Conc: 52.02 µg/ml



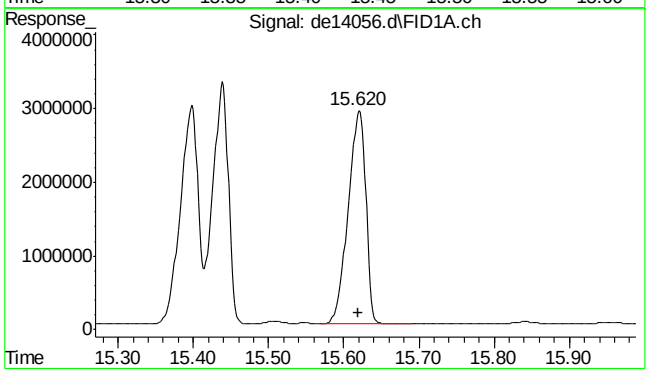
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.398 min
Delta R.T.: 0.000 min
Response: 4937480
Conc: 52.16 µg/ml



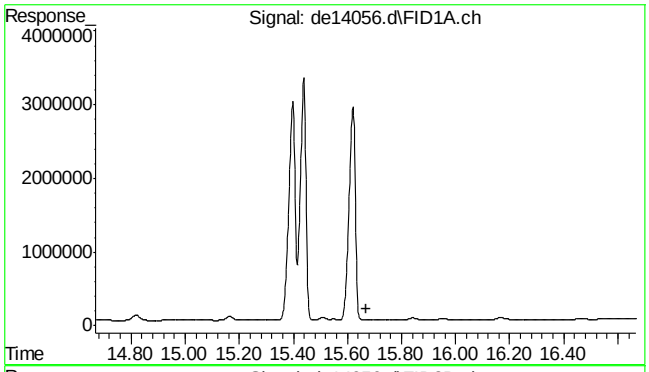
#20 dibenzo(ah)anthracene

R.T.: 15.438 min
Delta R.T.: 0.000 min
Response: 4656712
Conc: 50.95 µg/ml



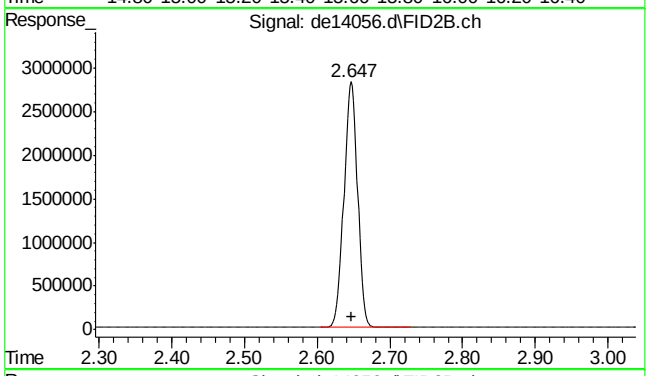
#21 benzo(ghi)perylene

R.T.: 15.620 min
Delta R.T.: 0.000 min
Response: 4729708
Conc: 51.34 µg/ml



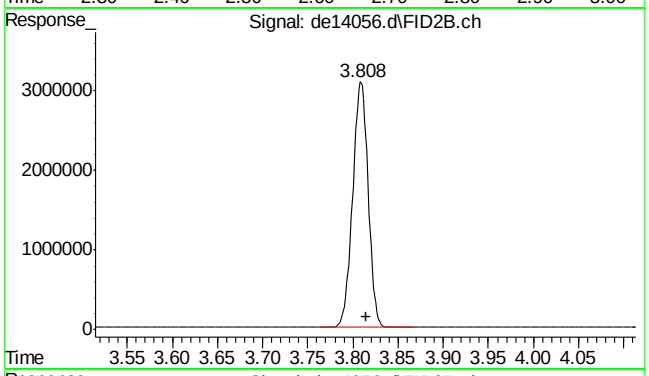
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



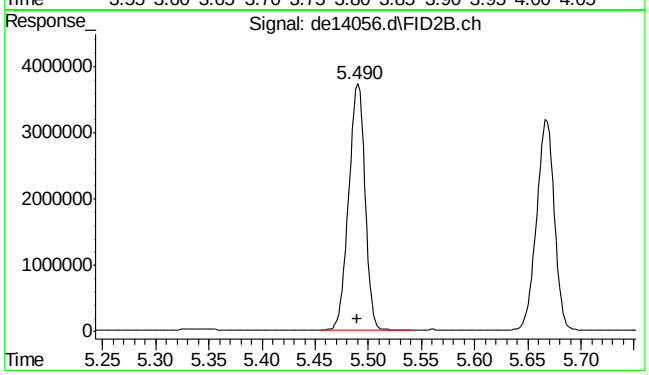
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 3661318
Conc: 49.56 µg/ml m



#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 3702475
Conc: 50.12 µg/ml



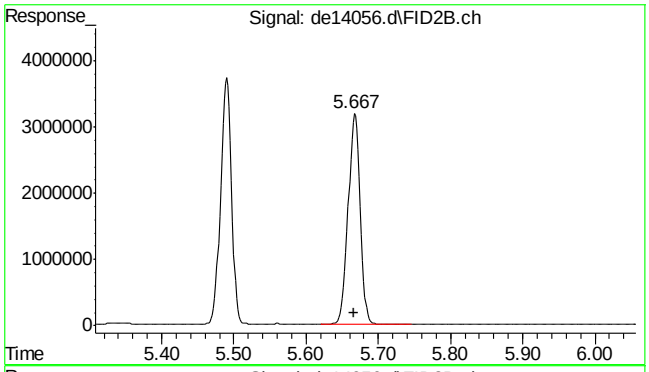
#27 naphthalene #2

R.T.: 5.490 min
Delta R.T.: 0.000 min
Response: 3955547
Conc: 49.52 µg/ml

9.4.9

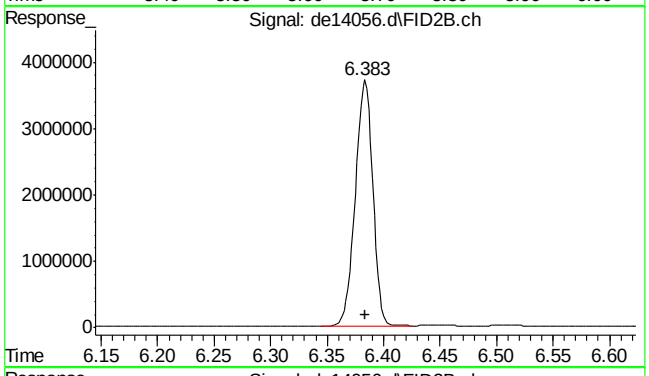
9

SGS ACCUTEST MC45754



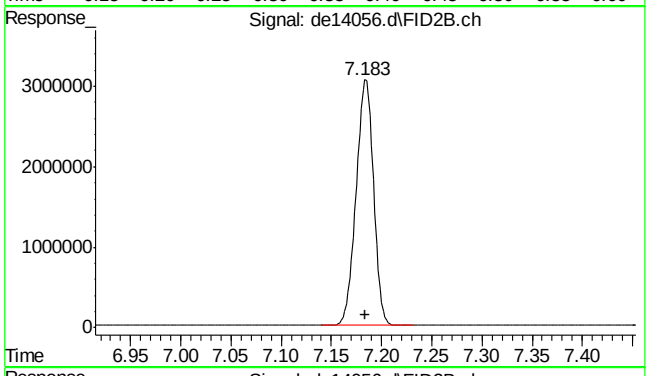
#28 c-12

R.T.: 5.667 min
Delta R.T.: 0.000 min
Response: 3684944
Conc: 49.88 µg/ml



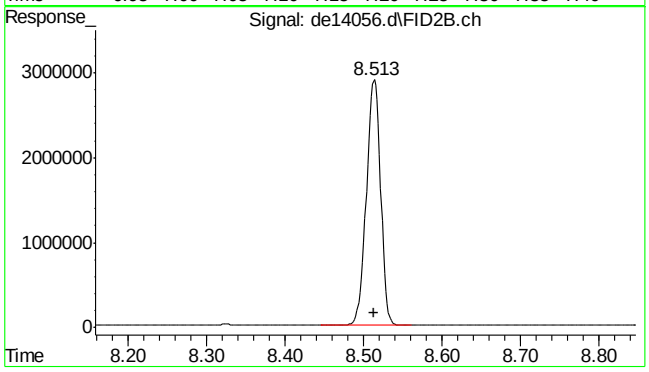
#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 3948206
Conc: 49.01 µg/ml



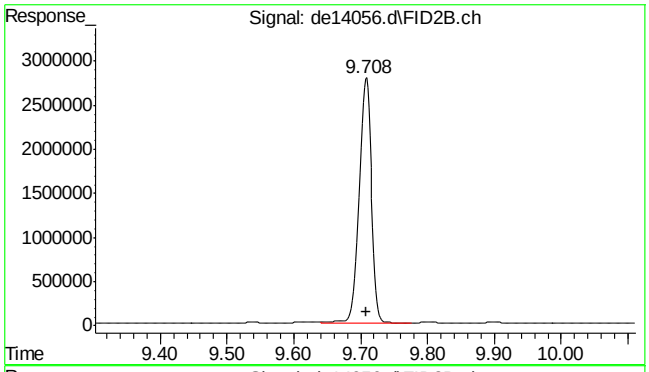
#30 c-14

R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 3661994
Conc: 49.57 µg/ml



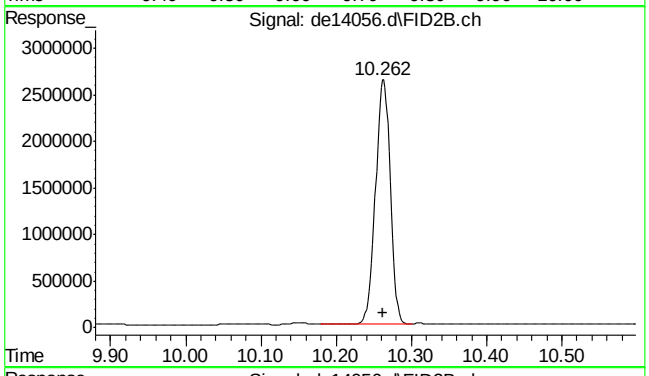
#31 c-16

R.T.: 8.513 min
Delta R.T.: 0.000 min
Response: 3628980
Conc: 49.13 µg/ml



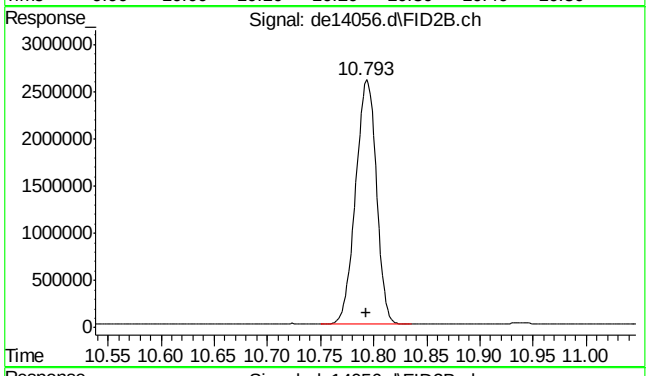
#32 c-18

R.T.: 9.708 min
Delta R.T.: 0.000 min
Response: 3644133
Conc: 49.33 µg/ml



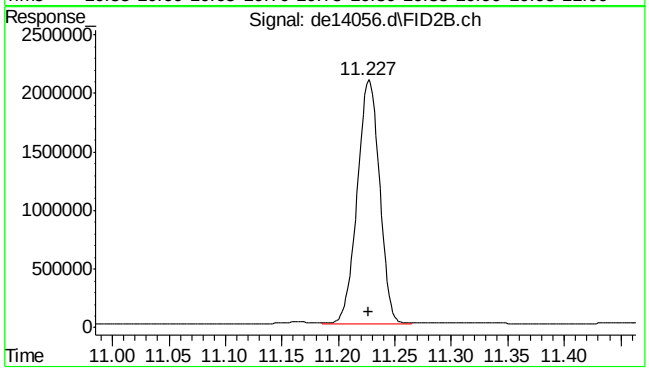
#33 c-19

R.T.: 10.262 min
Delta R.T.: 0.000 min
Response: 3608503
Conc: 54.01 µg/ml



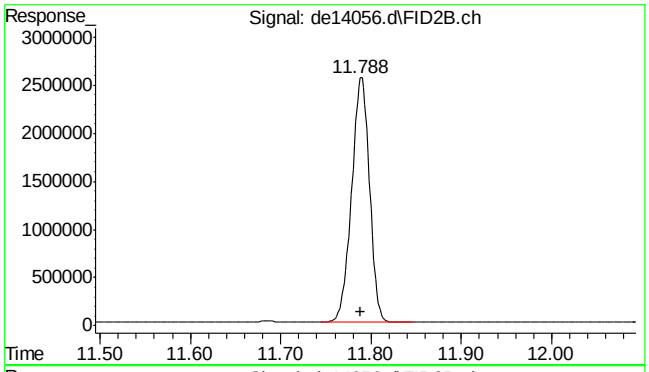
#34 c-20

R.T.: 10.793 min
Delta R.T.: 0.000 min
Response: 3533511
Conc: 52.89 µg/ml



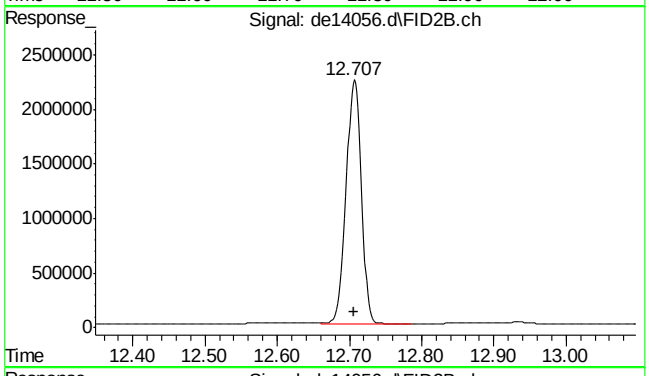
#35 1-chlorooctadecane

R.T.: 11.227 min
Delta R.T.: 0.000 min
Response: 2839138
Conc: 50.18 µg/ml



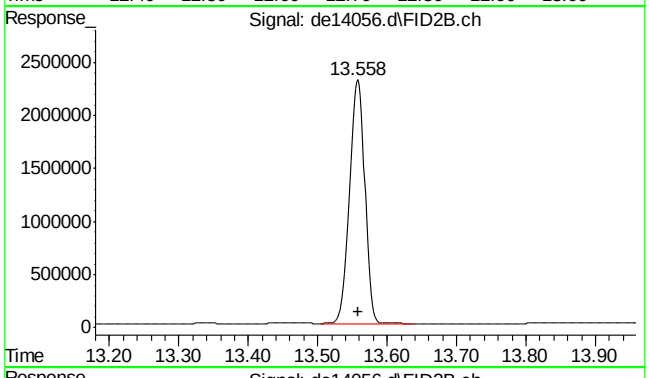
#36 c-22

R.T.: 11.788 min
Delta R.T.: 0.000 min
Response: 3511660
Conc: 52.56 µg/ml



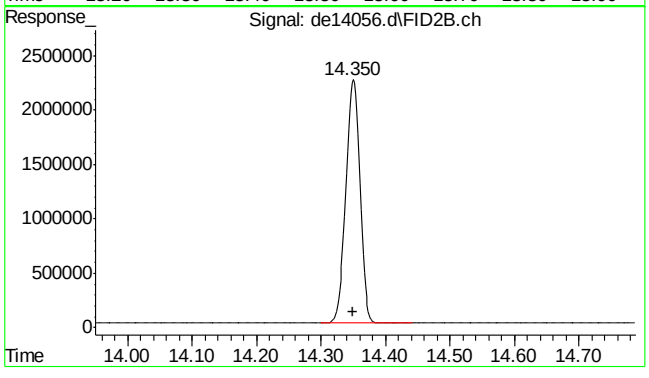
#37 c-24

R.T.: 12.707 min
Delta R.T.: 0.000 min
Response: 3282741
Conc: 49.14 µg/ml



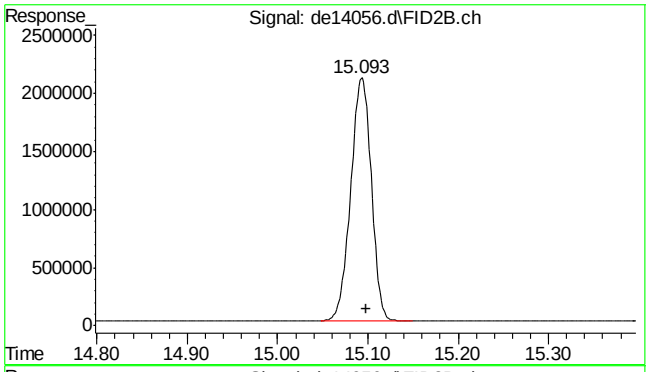
#38 c-26

R.T.: 13.558 min
Delta R.T.: 0.000 min
Response: 3480046
Conc: 52.09 µg/ml



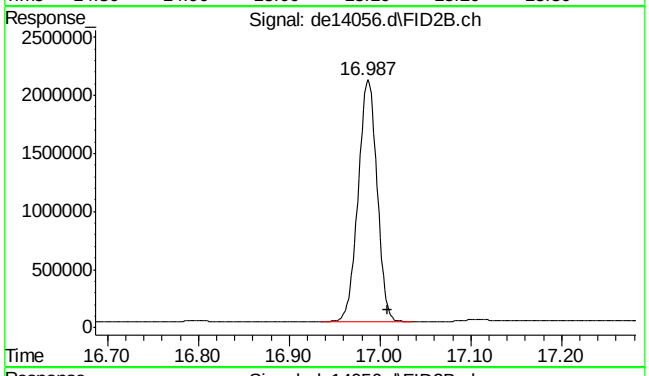
#39 c-28

R.T.: 14.350 min
Delta R.T.: 0.000 min
Response: 3356191
Conc: 50.24 µg/ml



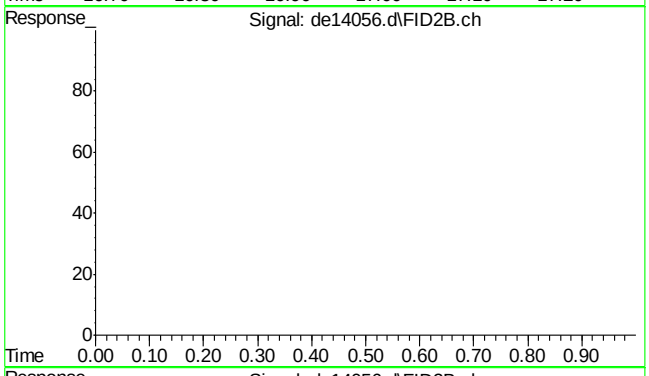
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 3337040
Conc: 49.95 µg/ml



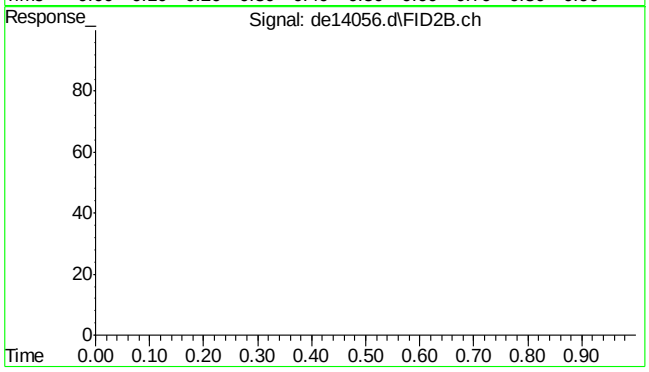
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 2997101
Conc: 44.86 µg/ml m



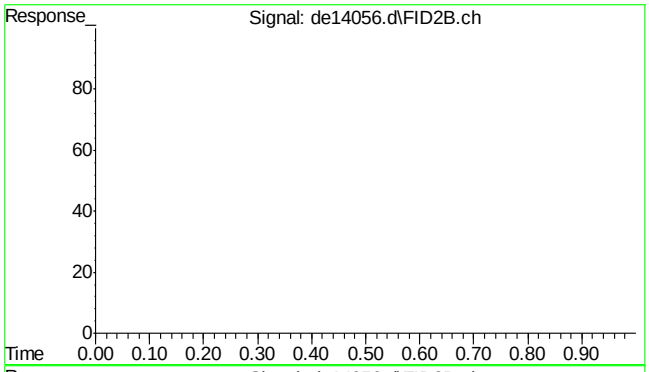
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



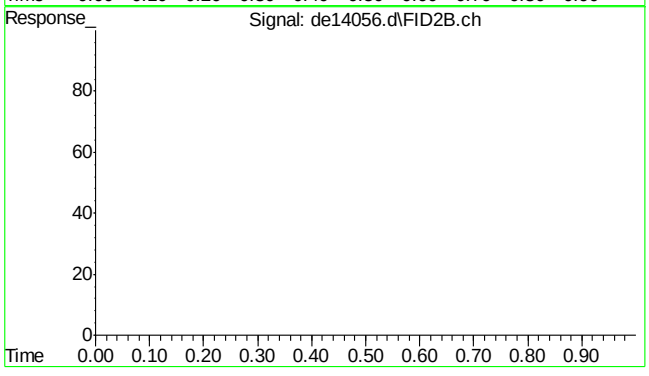
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.9

9

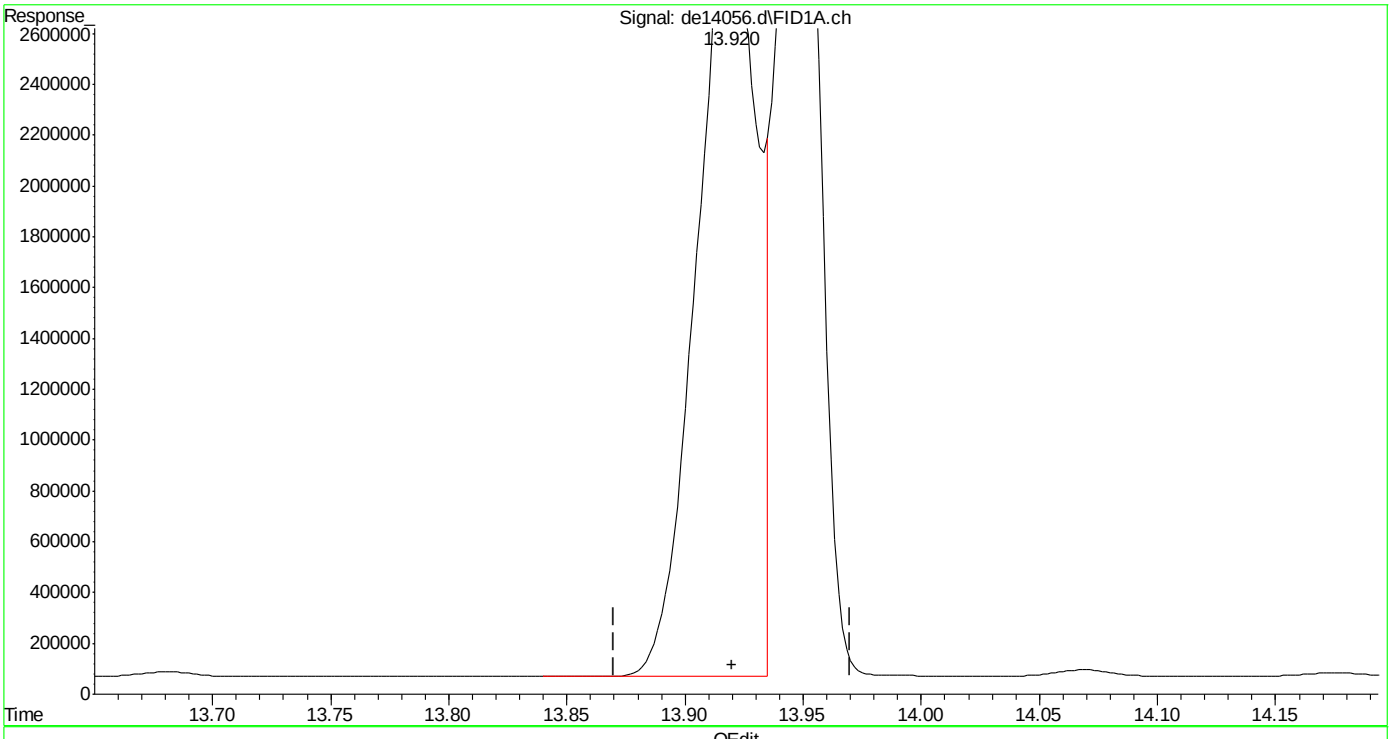
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14056.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:10 pm
Operator : thomasa
Sample : cc735-50, after maint. gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 12:45:01 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
13.920min 55.441 µg/ml
response 5488822

(+) = Expected Retention Time

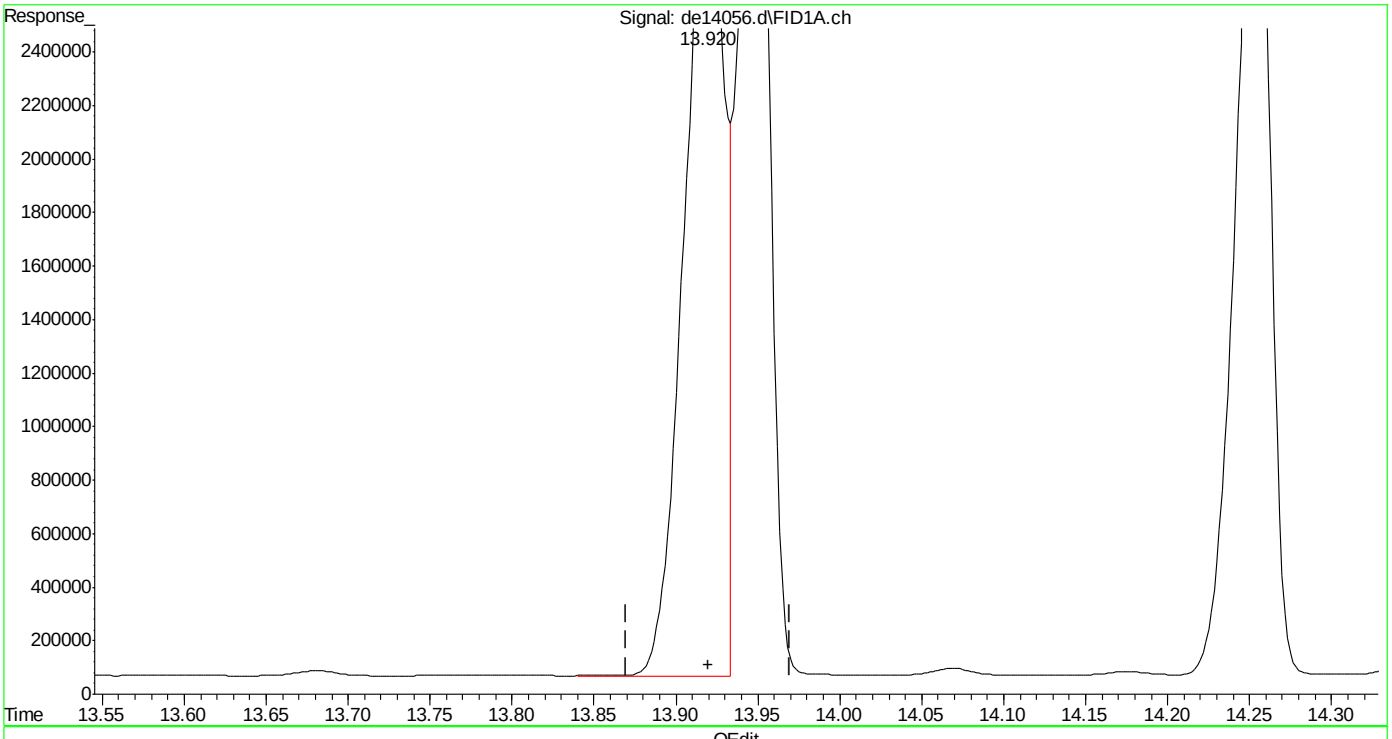
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14056.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:10 pm
Operator : thomasa
Sample : cc735-50, after maint. gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 12:45:01 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
13.920min 53.319 µg/ml m
response 5278695

(+) = Expected Retention Time
EPH160510W.M Tue May 10 12:45:39 2016

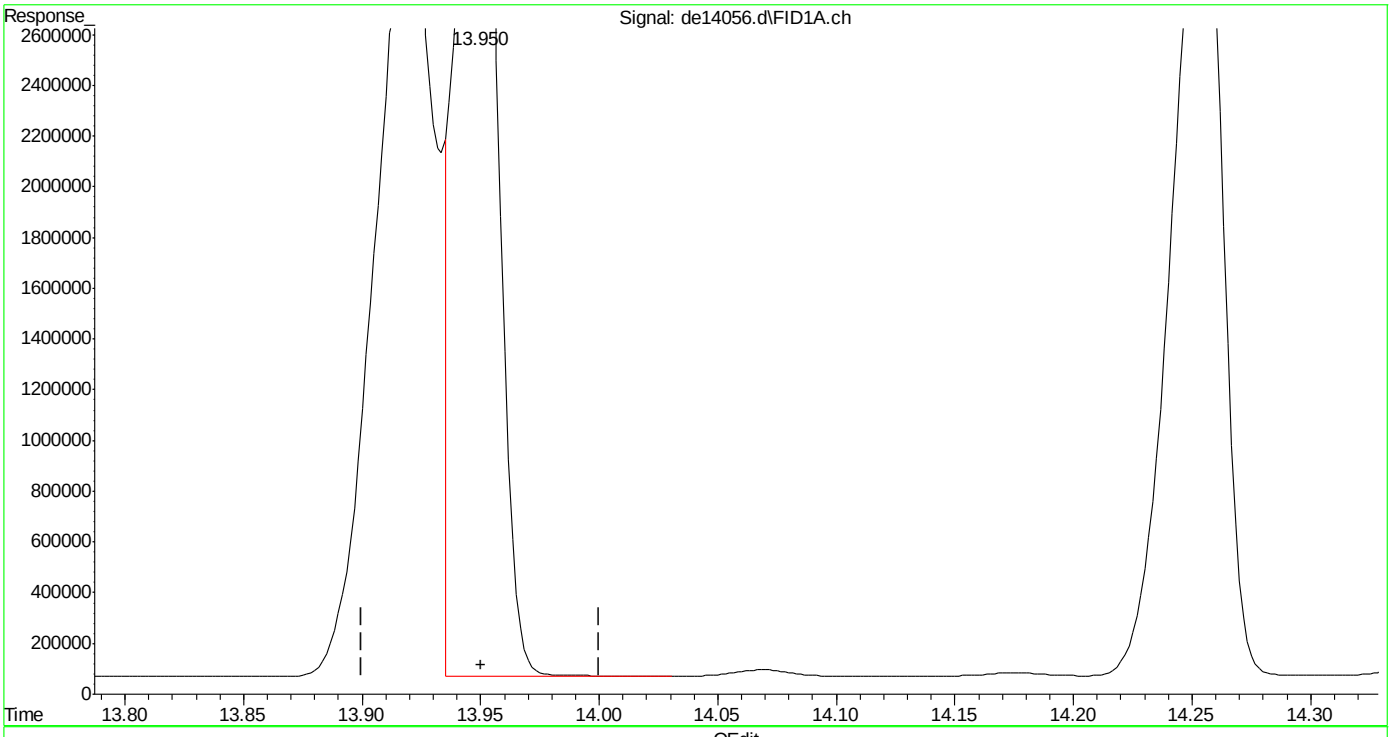
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14056.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:10 pm
Operator : thomasa
Sample : cc735-50, after maint. gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 12:45:01 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
13.950min 49.053 µg/ml
response 4635657

(+) = Expected Retention Time

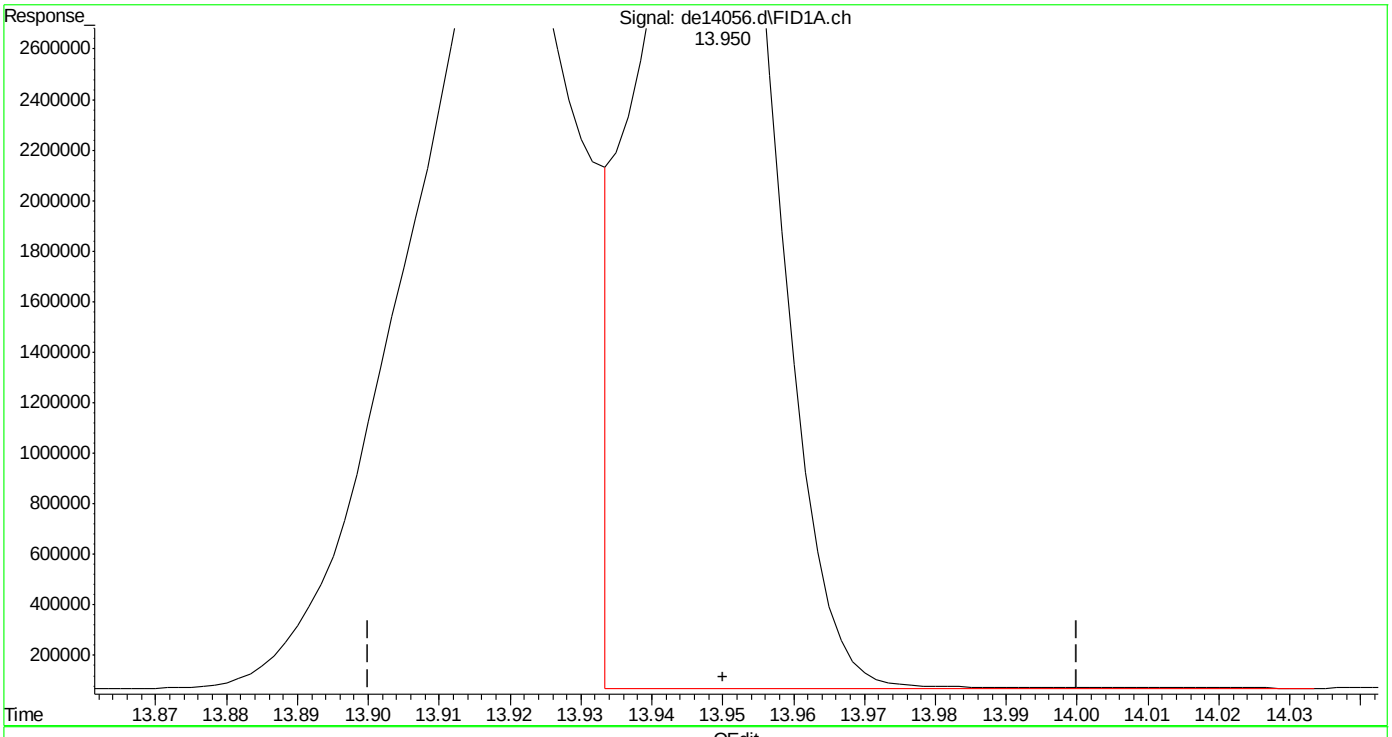
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14056.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 12:10 pm
Operator : thomasa
Sample : cc735-50, after maint. gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 12:45:01 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
13.950min 51.346 µg/ml m
response 4852350

(+) = Expected Retention Time
EPH160510W.M Tue May 10 12:45:55 2016

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/10/16 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 3:43 pm
Operator : thomasa
Sample : cc735-50,gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 16:10:52 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) s	2-fluorobiphenyl	6.660	5847111	63.397 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 316.98%#
6) s	2-bromonaphthalene	7.392	3881568	61.853 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 309.26%#
11) s	o-terphenyl	9.930	6285127	61.362 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 306.81%#
35) s	1-chlorooctadecane	11.228	2909105	51.420 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 257.10%#
	Target Compounds			
2)	naphthalene	5.208	6583624	63.832 µg/ml
3)	2-methylnaphthalene	6.108	6434457	62.786 µg/ml
5)	acenaphthylene	7.223	6381477	63.433 µg/ml
7)	acenaphthene	7.467	6543090	63.294 µg/ml
8)	fluorene	8.110	6391917	62.933 µg/ml
9)	phenanthrene	9.293	6260302	61.519 µg/ml
10)	anthracene	9.352	6012975	61.984 µg/ml
12)	fluoranthene	10.800	6043608	60.472 µg/ml
13)	pyrene	11.058	6178997	60.899 µg/ml
14)	benzo(a)anthracene	12.623	5691333	58.871 µg/ml
15)	chrysene	12.672	5803028	59.615 µg/ml
16)	benzo(B)fluoranthene	13.925	5815874	58.745 µg/ml
17)	benzo(k)fluoranthene	13.955	5618177	59.450 µg/ml
18)	benzo(a)pyrene	14.258	5431382	58.759 µg/ml
19)	indeno(1,2,3-cd)pyrene	15.403	5569147	58.834 µg/mlm
20)	dibenzo(ah)anthracene	15.443	5233186	57.257 µg/mlm
21)	benzo(ghi)perylene	15.627	5312234	57.664 µg/ml
25) h	c-9	2.648	3773266	51.078 µg/mlm
26) h	c-10	3.815	3811323	51.594 µg/ml
27)	naphthalene #2	5.490	4064643	50.889 µg/ml
28)	c-12	5.667	3775653	51.111 µg/ml
29)	2-methylnaphthalene #2	6.383	4052706	50.303 µg/ml
30)	c-14	7.185	3745247	50.699 µg/ml
31)	c-16	8.513	3701893	50.112 µg/ml
32)	c-18	9.708	3707817	50.192 µg/ml
33)	c-19	10.263	3674376	55.000 µg/ml
34)	c-20	10.795	3611655	54.061 µg/ml
36)	c-22	11.790	3593125	53.784 µg/ml
37)	c-24	12.707	3361835	50.322 µg/ml
38)	c-26	13.558	3579925	53.587 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 3:43 pm
Operator : thomasa
Sample : cc735-50,gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 16:10:52 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
39)	c-28	14.352	3460129	51.793	µg/ml
40) h	c-30	15.098	3463514	51.844	µg/ml
41) h	c-36	17.008	3159586	47.295	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.10

9

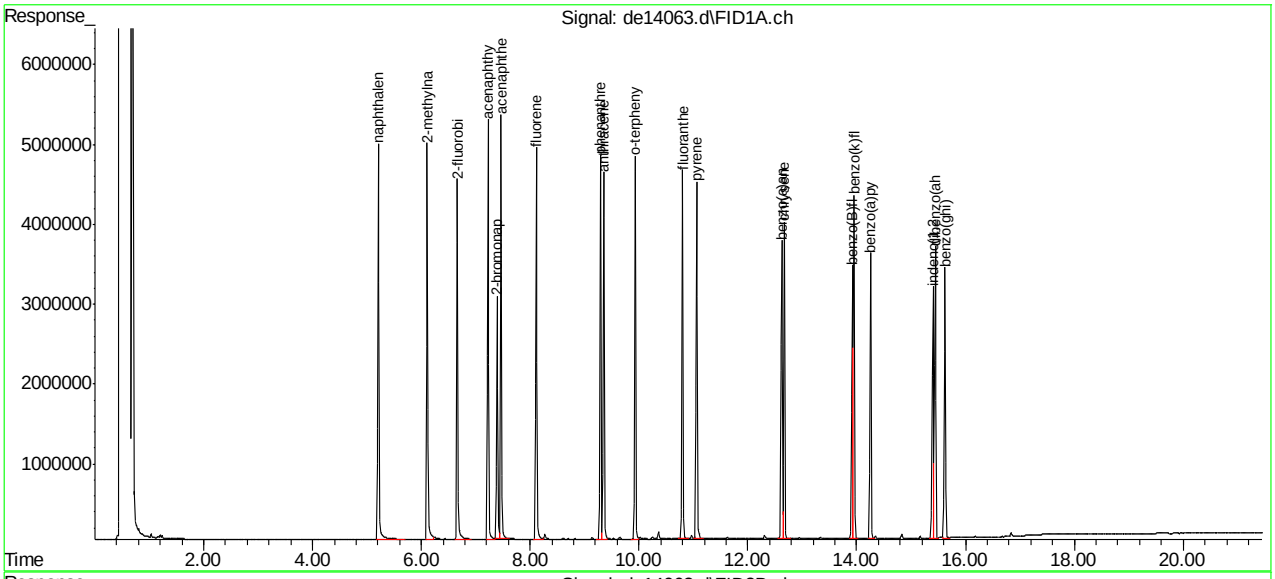
SGS ACCUTEST MC45754

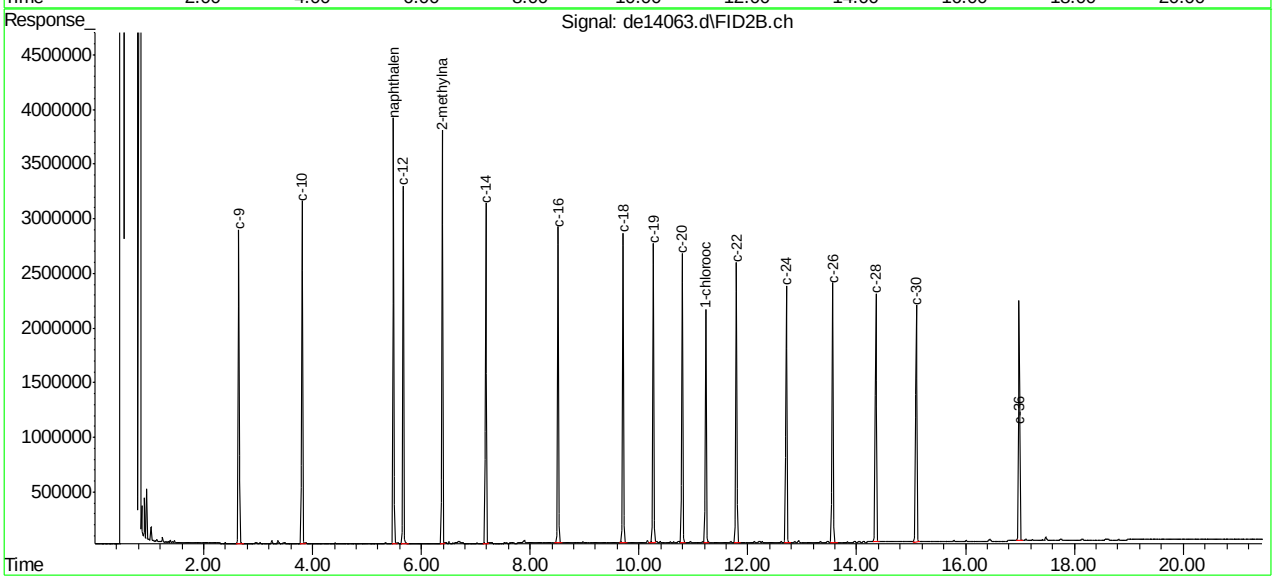
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 3:43 pm
Operator : thomasa
Sample : cc735-50,gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

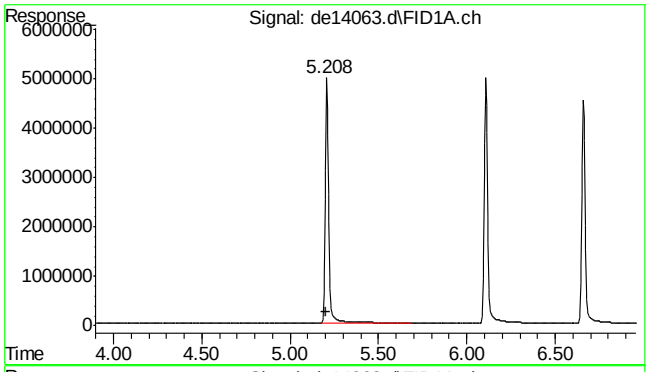
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 16:10:52 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



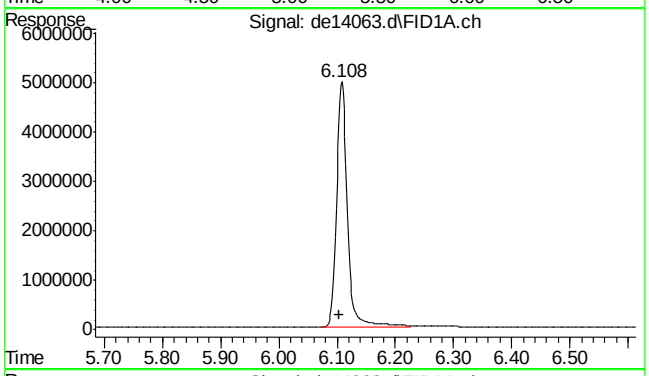


SGS ACCUTEST MC45754



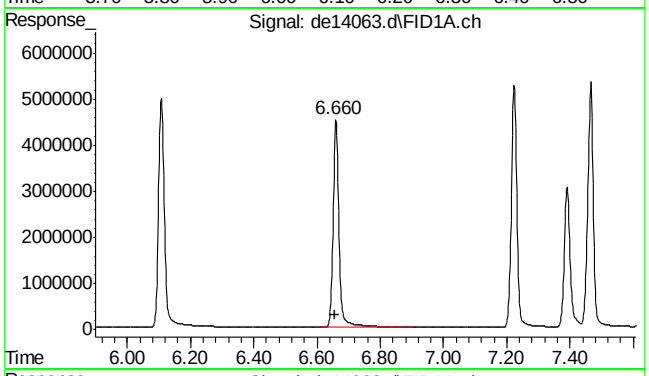
#2 naphthalene

R.T.: 5.208 min
Delta R.T.: 0.005 min
Response: 6583624
Conc: 63.83 µg/ml



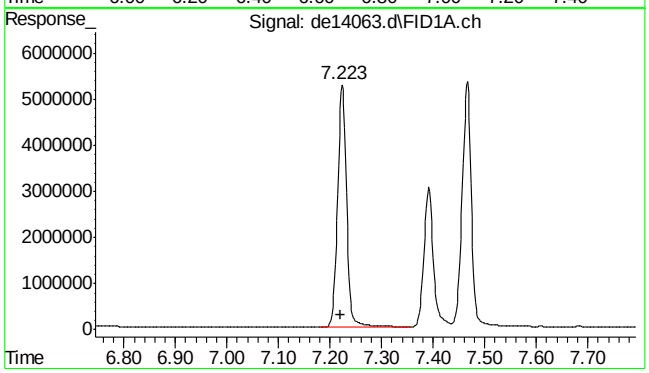
#3 2-methylnaphthalene

R.T.: 6.108 min
Delta R.T.: 0.005 min
Response: 6434457
Conc: 62.79 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.660 min
Delta R.T.: 0.003 min
Response: 5847111
Conc: 63.40 µg/ml



#5 acenaphthylene

R.T.: 7.223 min
Delta R.T.: 0.003 min
Response: 6381477
Conc: 63.43 µg/ml

9.4.10

9

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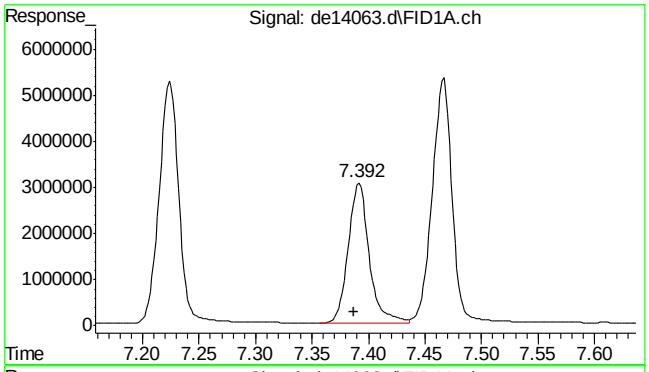
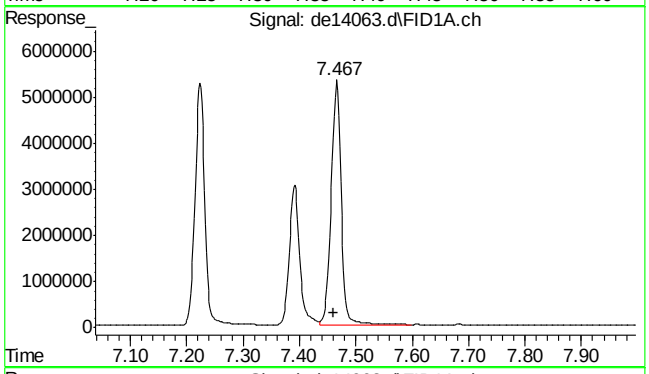


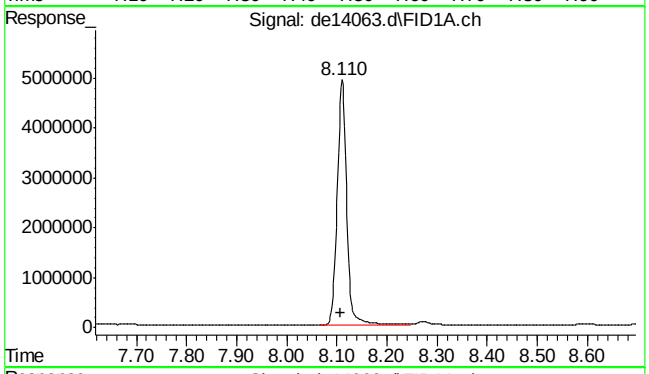
#6 2-bromonaphthalene

R.T.: 7.392 min
Delta R.T.: 0.005 min
Response: 3881568
Conc: 61.85 µg/ml



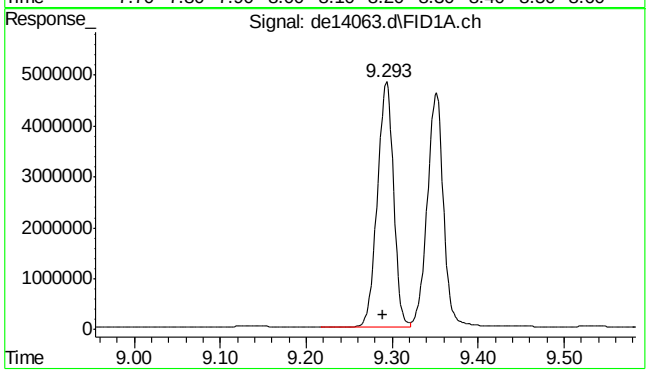
#7 acenaphthene

R.T.: 7.467 min
Delta R.T.: 0.007 min
Response: 6543090
Conc: 63.29 µg/ml



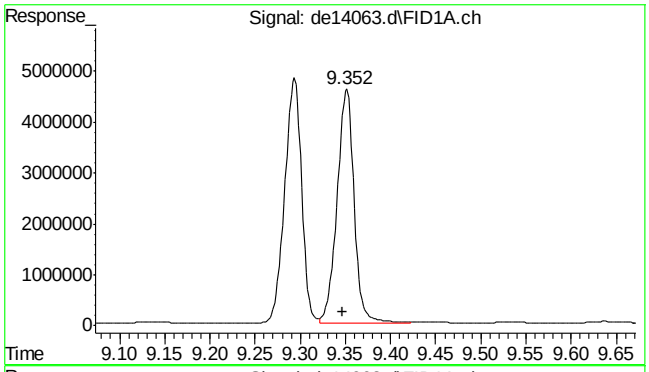
#8 fluorene

R.T.: 8.110 min
Delta R.T.: 0.003 min
Response: 6391917
Conc: 62.93 µg/ml



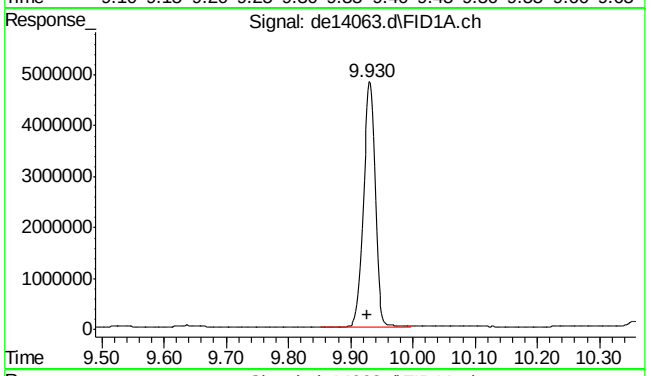
#9 phenanthrene

R.T.: 9.293 min
Delta R.T.: 0.003 min
Response: 6260302
Conc: 61.52 µg/ml



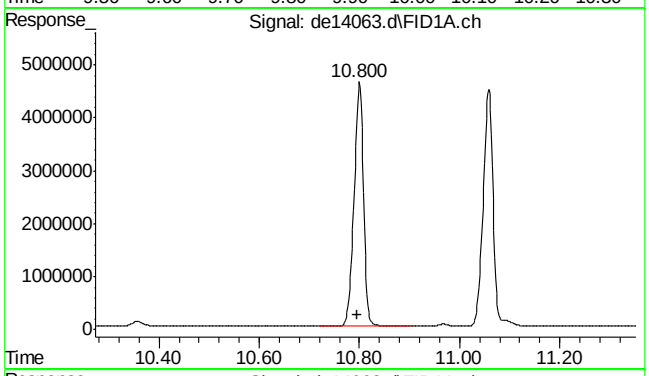
#10 anthracene

R.T.: 9.352 min
Delta R.T.: 0.005 min
Response: 6012975
Conc: 61.98 µg/ml



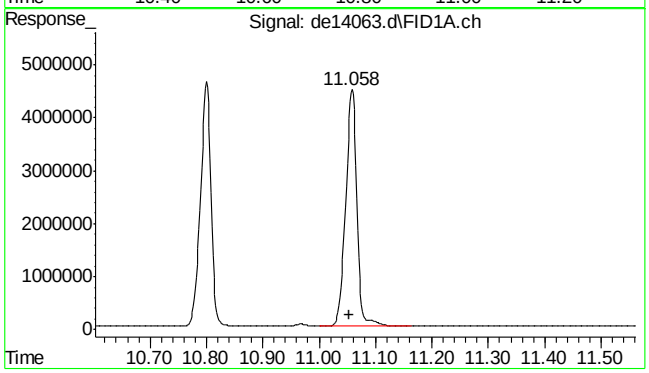
#11 o-terphenyl

R.T.: 9.930 min
Delta R.T.: 0.003 min
Response: 6285127
Conc: 61.36 µg/ml



#12 fluoranthene

R.T.: 10.800 min
Delta R.T.: 0.005 min
Response: 6043608
Conc: 60.47 µg/ml



#13 pyrene

R.T.: 11.058 min
Delta R.T.: 0.005 min
Response: 6178997
Conc: 60.90 µg/ml

9.4.10

9

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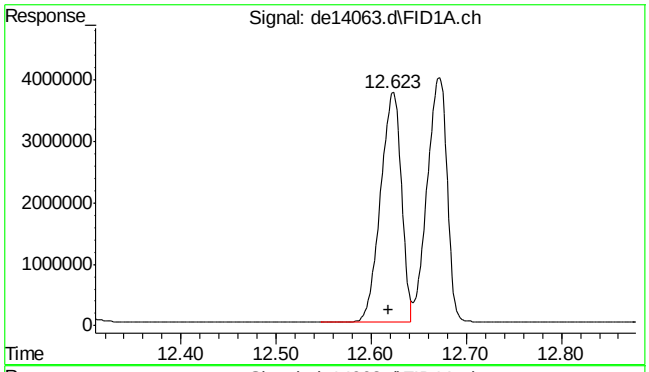
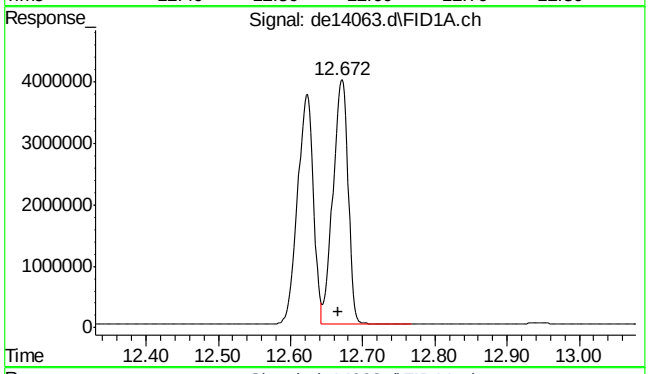


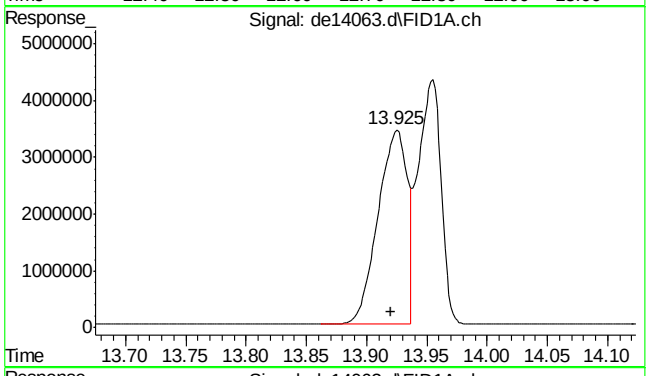
#14 benzo(a)anthracene

R.T.: 12.623 min
Delta R.T.: 0.005 min
Response: 5691333
Conc: 58.87 µg/ml



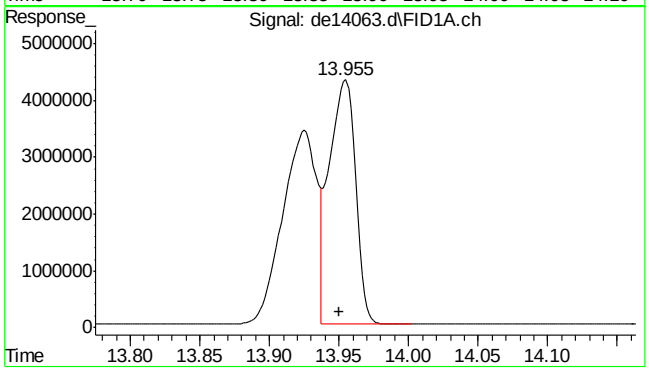
#15 chrysene

R.T.: 12.672 min
Delta R.T.: 0.005 min
Response: 5803028
Conc: 59.62 µg/ml



#16 benzo(B)fluoranthene

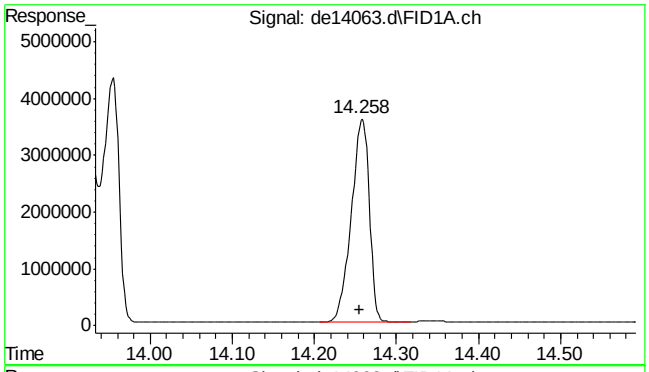
R.T.: 13.925 min
Delta R.T.: 0.005 min
Response: 5815874
Conc: 58.74 µg/ml



#17 benzo(k)fluoranthene

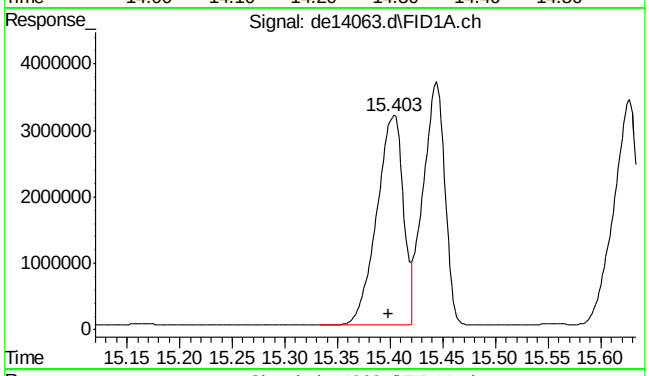
R.T.: 13.955 min
Delta R.T.: 0.005 min
Response: 5618177
Conc: 59.45 µg/ml

SGS ACCUTEST MC45754



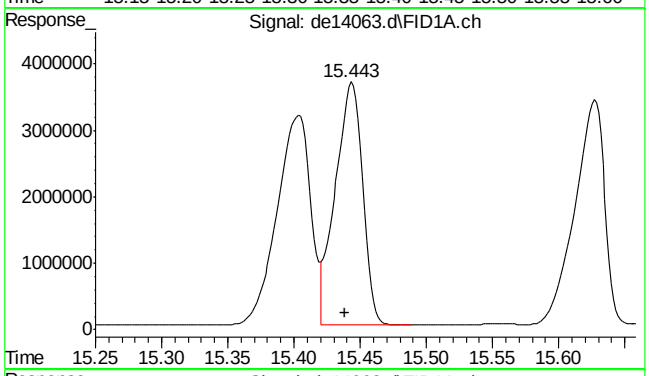
#18 benzo(a)pyrene

R.T.: 14.258 min
Delta R.T.: 0.003 min
Response: 5431382
Conc: 58.76 µg/ml



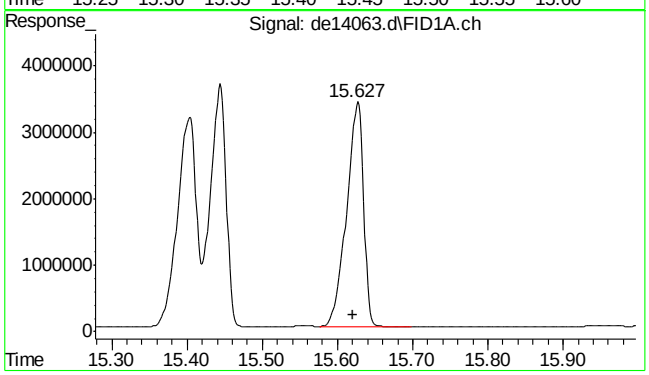
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.403 min
Delta R.T.: 0.005 min
Response: 5569147
Conc: 58.83 µg/ml m



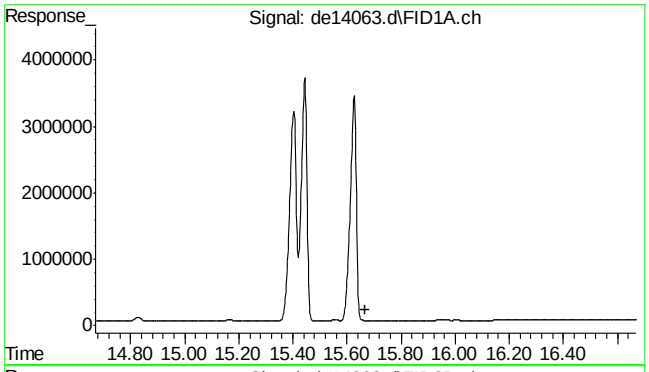
#20 dibenzo(ah)anthracene

R.T.: 15.443 min
Delta R.T.: 0.005 min
Response: 5233186
Conc: 57.26 µg/ml m



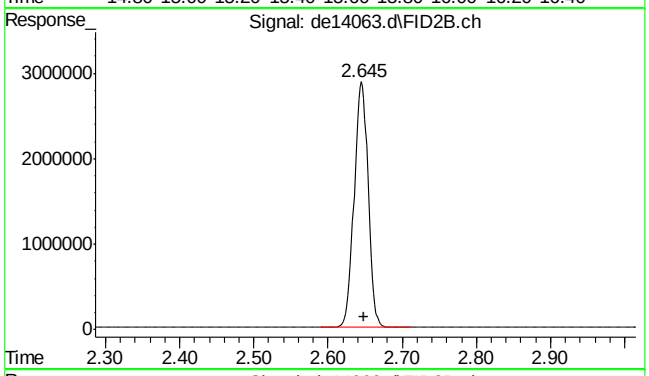
#21 benzo(ghi)perylene

R.T.: 15.627 min
Delta R.T.: 0.007 min
Response: 5312234
Conc: 57.66 µg/ml



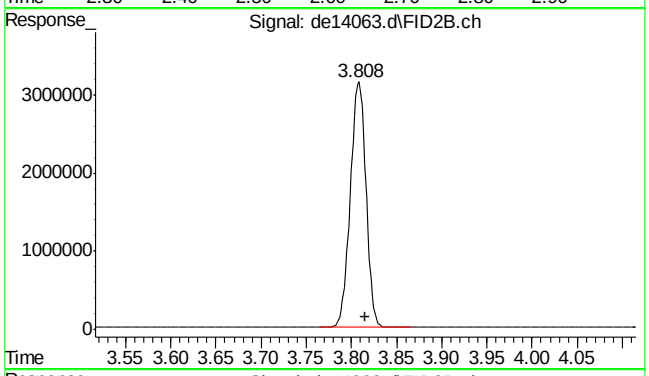
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



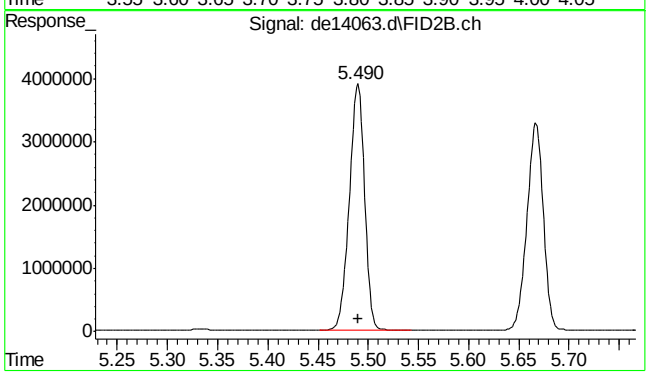
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 3773266
Conc: 51.08 µg/ml m



#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 3811323
Conc: 51.59 µg/ml



#27 naphthalene #2

R.T.: 5.490 min
Delta R.T.: 0.000 min
Response: 4064643
Conc: 50.89 µg/ml

9.4.10

9

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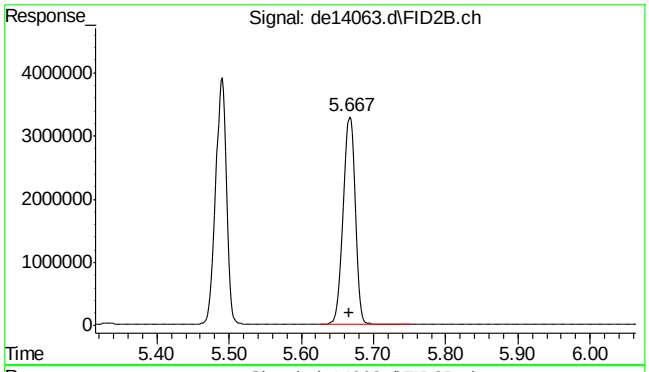
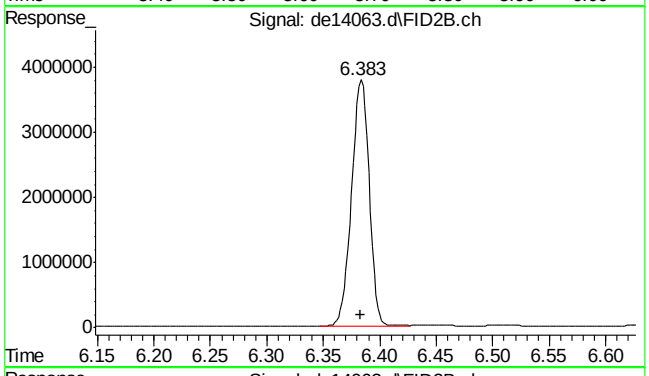


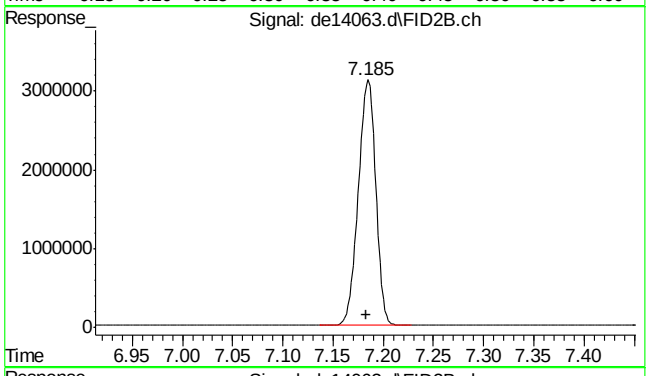
#28 c-12

R.T.: 5.667 min
Delta R.T.: 0.000 min
Response: 3775653
Conc: 51.11 µg/ml



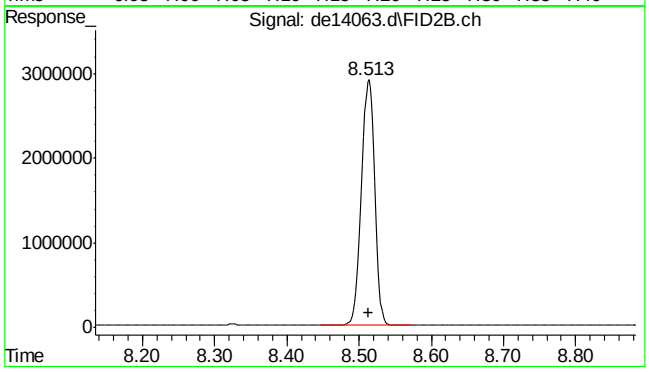
#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 4052706
Conc: 50.30 µg/ml



#30 c-14

R.T.: 7.185 min
Delta R.T.: 0.002 min
Response: 3745247
Conc: 50.70 µg/ml



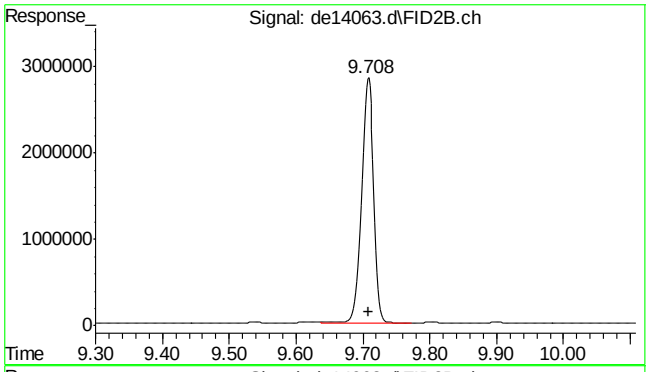
#31 c-16

R.T.: 8.513 min
Delta R.T.: 0.000 min
Response: 3701893
Conc: 50.11 µg/ml

9.4.10

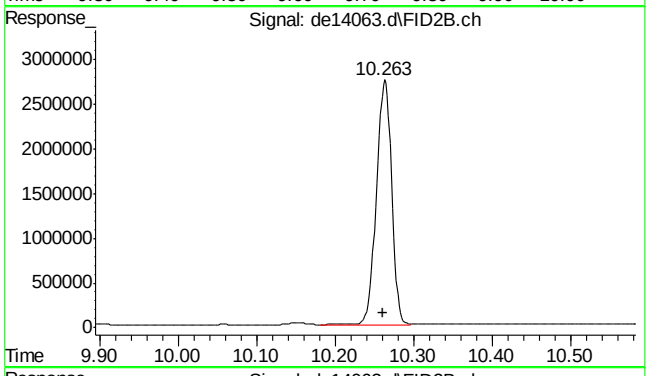
9

SGS ACCUTEST MC45754



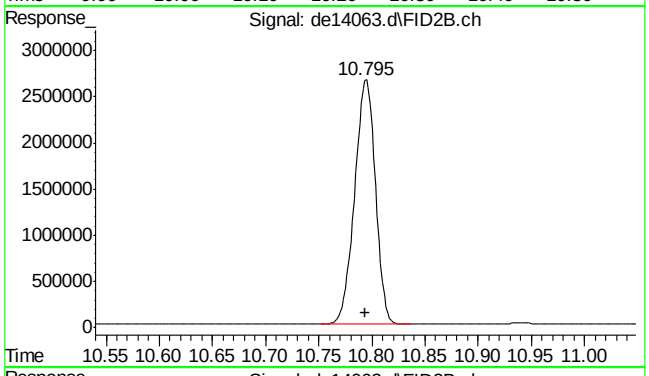
#32 c-18

R.T.: 9.708 min
Delta R.T.: 0.000 min
Response: 3707817
Conc: 50.19 µg/ml



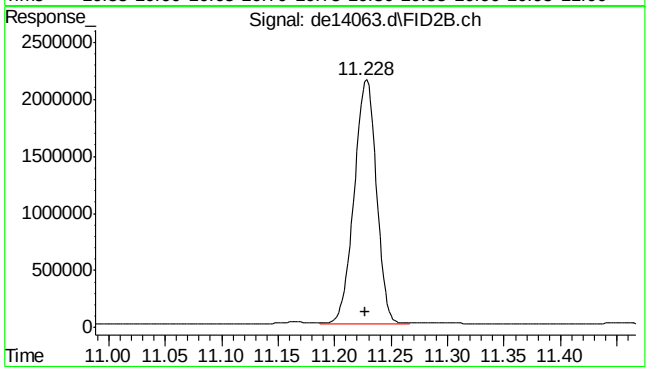
#33 c-19

R.T.: 10.263 min
Delta R.T.: 0.002 min
Response: 3674376
Conc: 55.00 µg/ml



#34 c-20

R.T.: 10.795 min
Delta R.T.: 0.002 min
Response: 3611655
Conc: 54.06 µg/ml



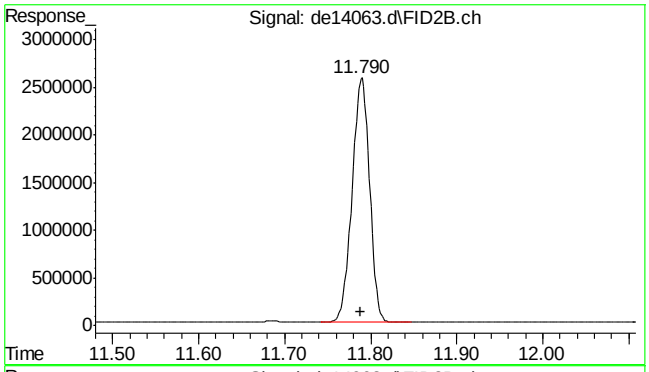
#35 1-chlorooctadecane

R.T.: 11.228 min
Delta R.T.: 0.002 min
Response: 2909105
Conc: 51.42 µg/ml

9.4.10

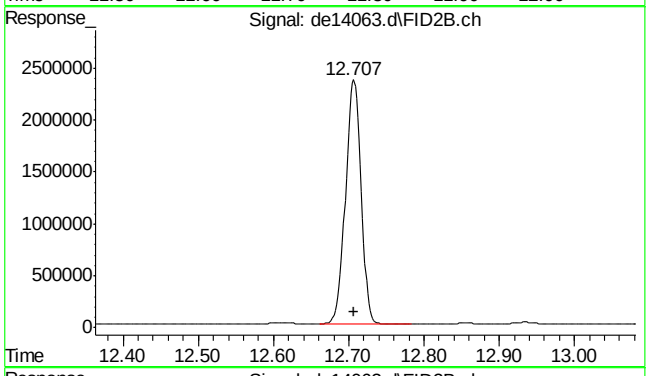
9

SGS ACCUTEST MC45754



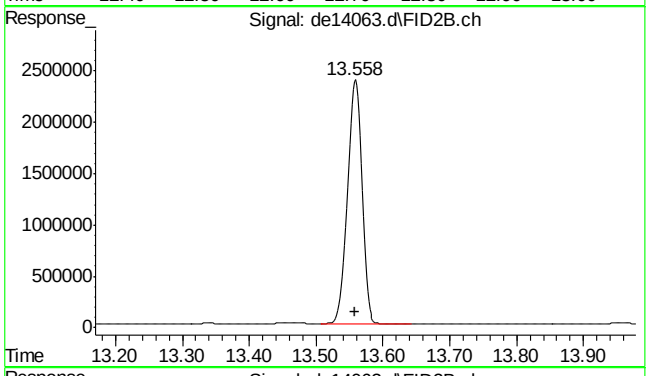
#36 c-22

R.T.: 11.790 min
Delta R.T.: 0.002 min
Response: 3593125
Conc: 53.78 µg/ml



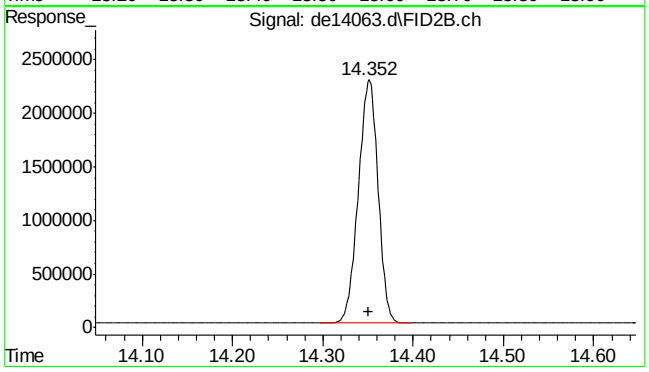
#37 c-24

R.T.: 12.707 min
Delta R.T.: 0.000 min
Response: 3361835
Conc: 50.32 µg/ml



#38 c-26

R.T.: 13.558 min
Delta R.T.: 0.000 min
Response: 3579925
Conc: 53.59 µg/ml



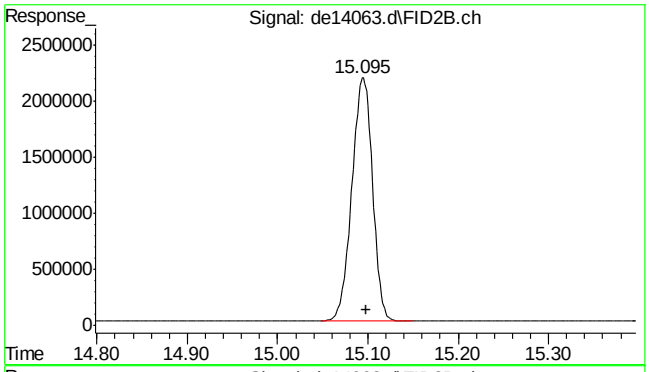
#39 c-28

R.T.: 14.352 min
Delta R.T.: 0.002 min
Response: 3460129
Conc: 51.79 µg/ml

9.4.10

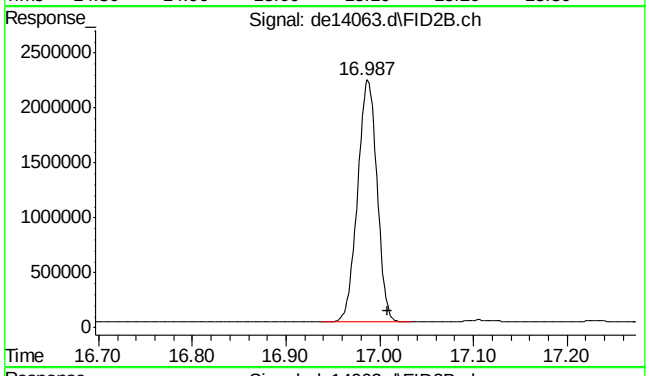
9

SGS ACCUTEST MC45754



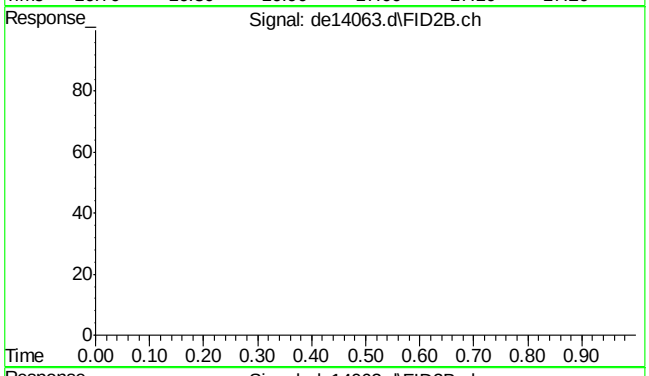
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 3463514
Conc: 51.84 µg/ml



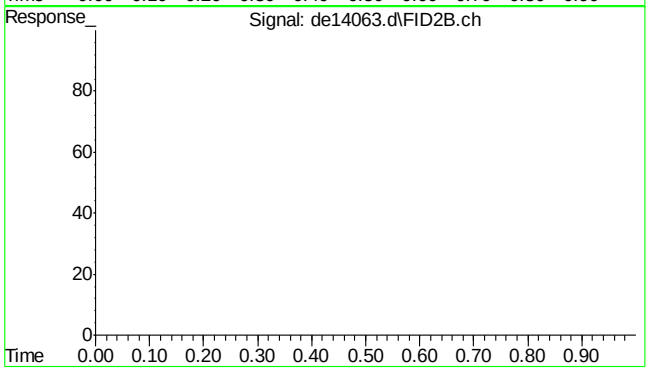
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 3159586
Conc: 47.29 µg/ml m



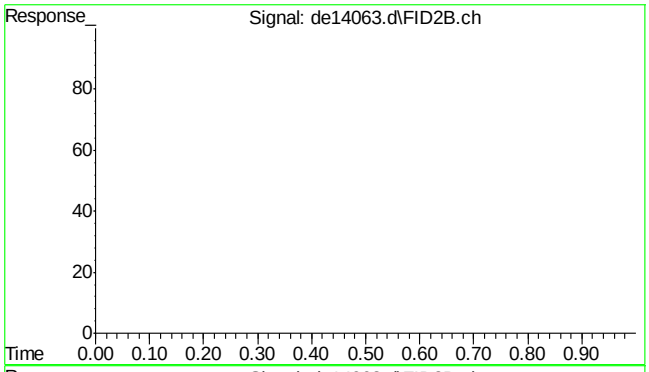
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



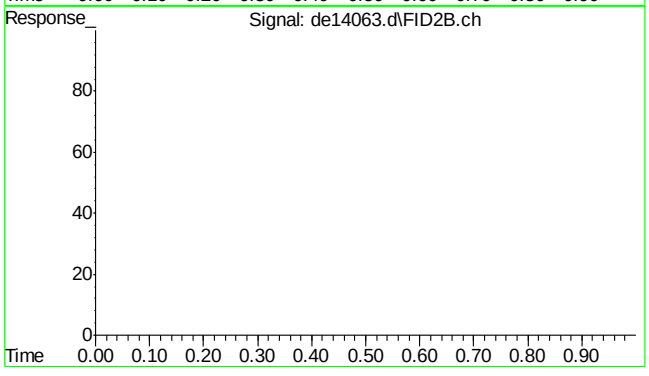
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.10

9

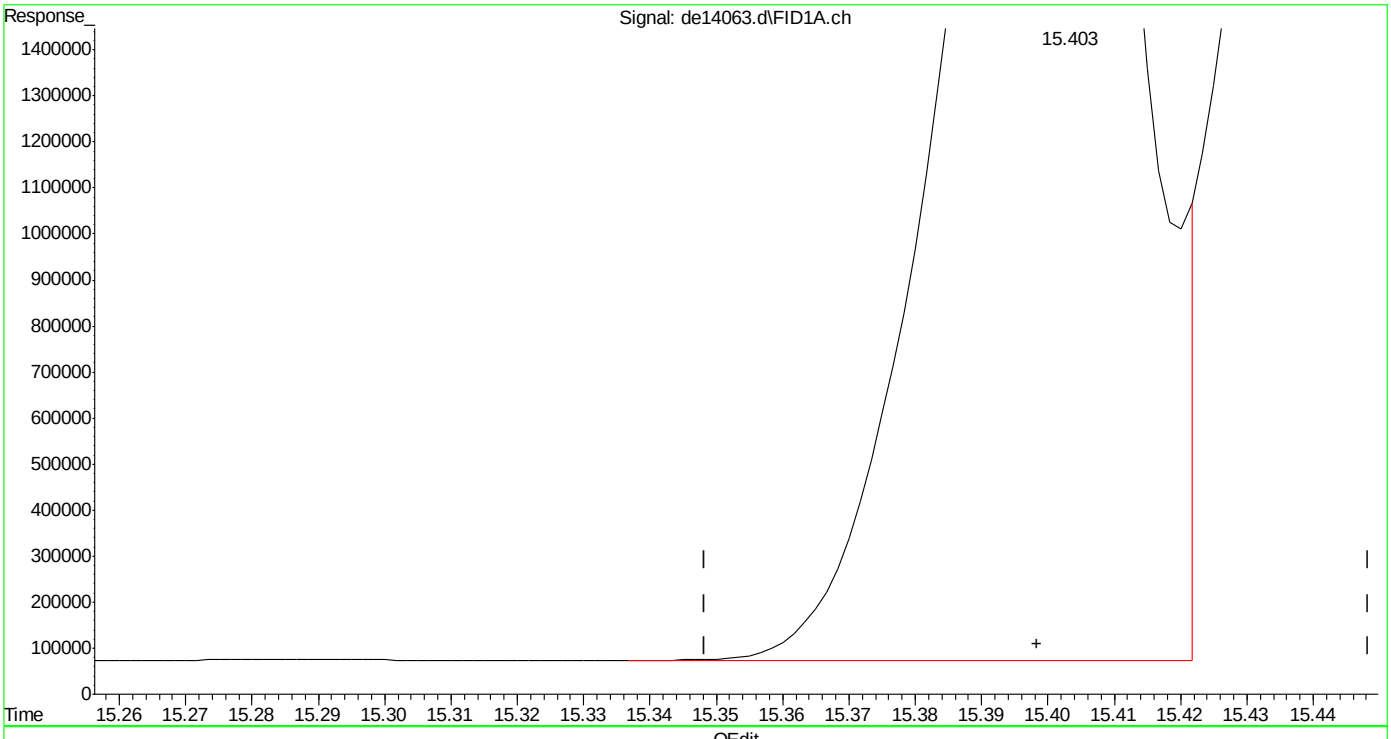
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 3:43 pm
Operator : thomasa
Sample : cc735-50,gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 16:09:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.403min 59.841 µg/ml
response 5664441

(+) = Expected Retention Time
EPH160510W.M Tue May 10 16:09:35 2016

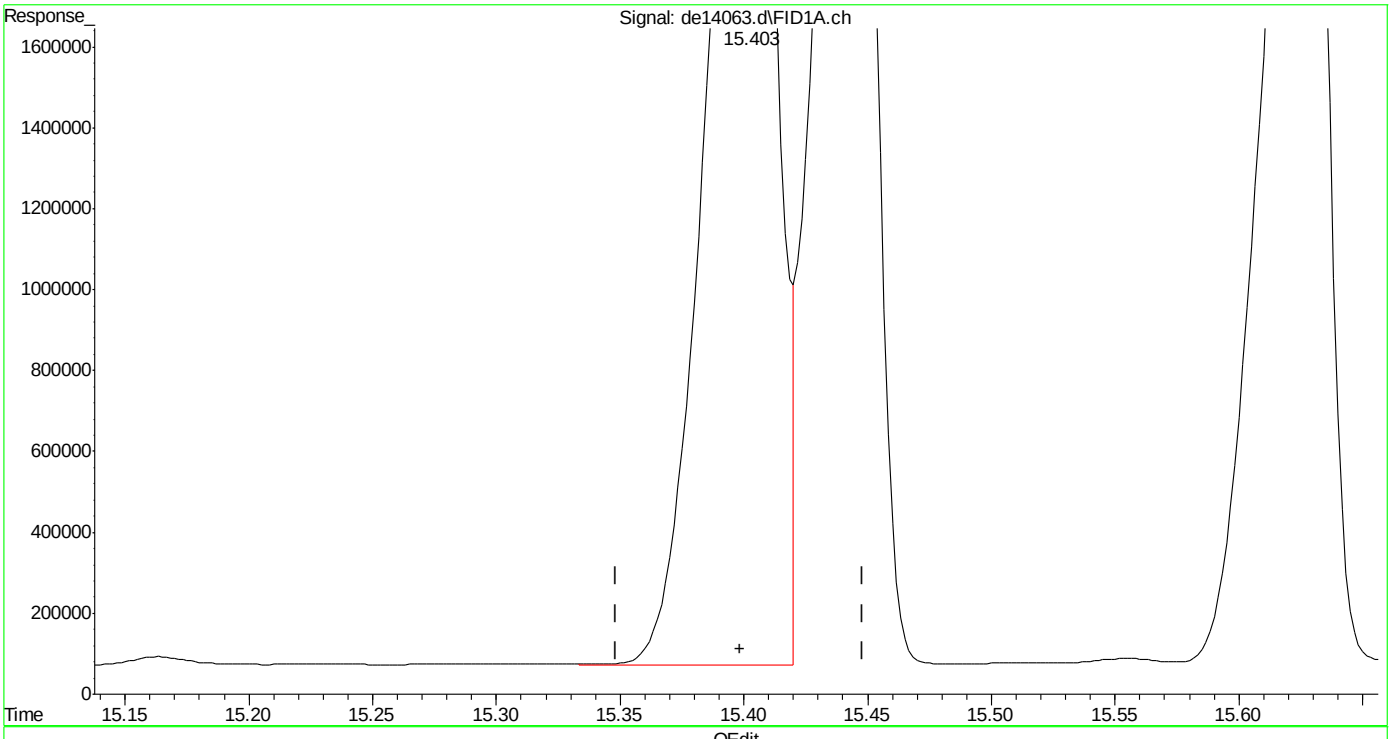
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 3:43 pm
Operator : thomasa
Sample : cc735-50,gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 16:09:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.403min 58.834 µg/ml m
response 5569147

(+) = Expected Retention Time
EPH160510W.M Tue May 10 16:09:49 2016

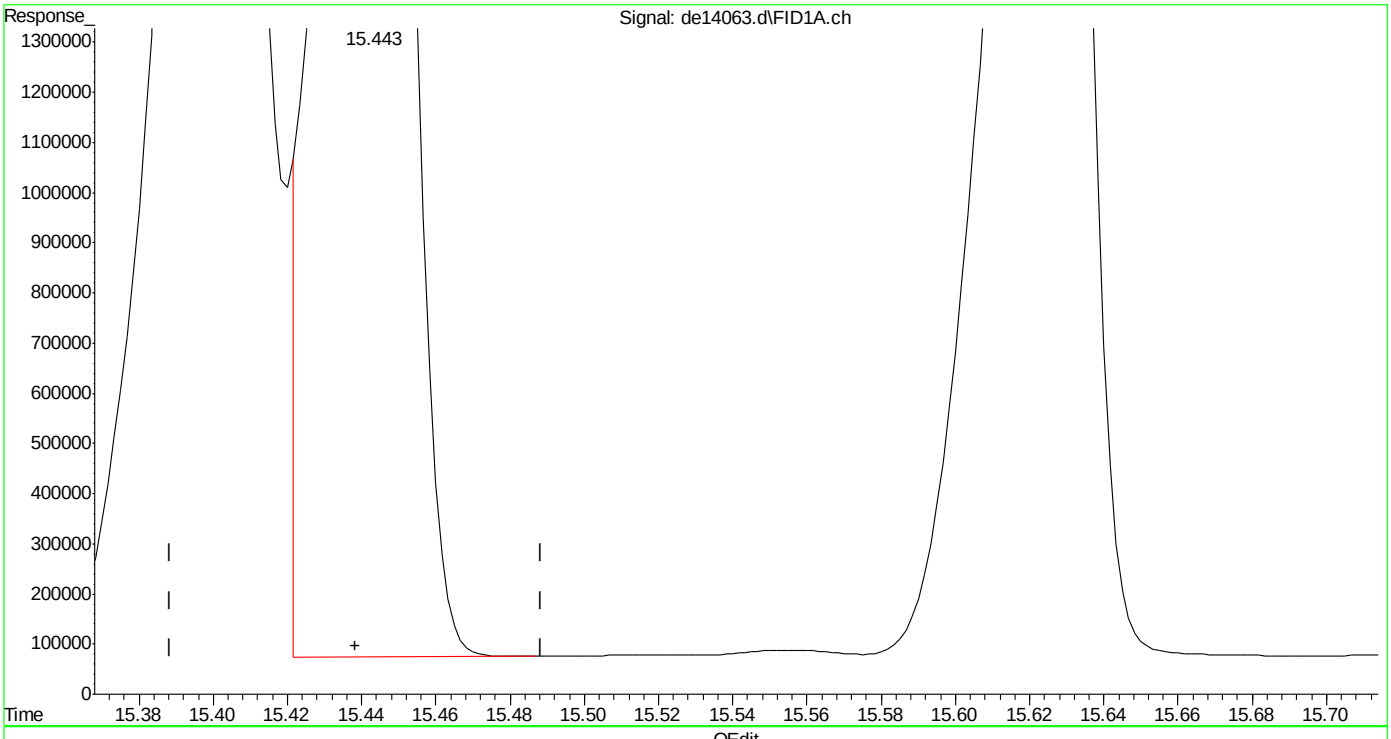
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 3:43 pm
Operator : thomasa
Sample : cc735-50,gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 16:09:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.443min 56.126 µg/ml
response 5129887

(+) = Expected Retention Time
EPH160510W.M Tue May 10 16:09:53 2016

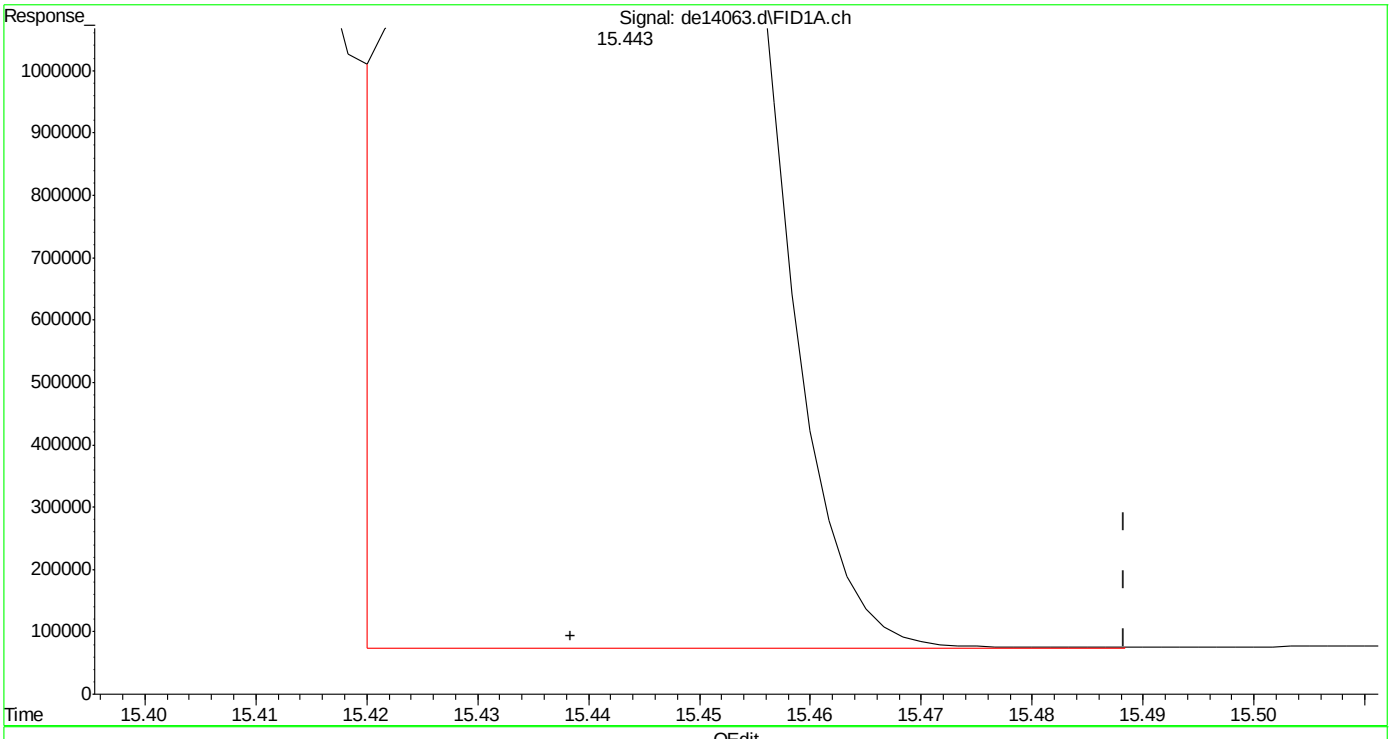
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510EPH\
Data File : de14063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 3:43 pm
Operator : thomasa
Sample : cc735-50,gde788
Misc : op47259,gde788,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 10 16:09:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510W.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 12:44:13 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.443min 57.257 µg/ml m
response 5233186

(+) = Expected Retention Time

SGS ACCUTEST MC45754

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 5:33 pm
Operator : thomasa
Sample : cc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:11:21 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.605	5631262	61.057 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 305.29%#	
6) s 2-bromonaphthalene	7.333	3801707	60.580 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 302.90%#	
11) s o-terphenyl	9.873	6163566	60.175 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 300.88%#	
35) s 1-chlorooctadecane	11.230	3141449	55.527 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 277.63%#	
Target Compounds			
2) naphthalene	5.150	6248815	60.586 µg/ml
3) 2-methylnaphthalene	6.052	6206022	60.557 µg/ml
5) acenaphthylene	7.167	6177825	61.409 µg/ml
7) acenaphthene	7.408	6392119	61.833 µg/ml
8) fluorene	8.053	6203542	61.078 µg/ml
9) phenanthrene	9.233	6116128	60.102 µg/ml
10) anthracene	9.292	5911171	60.935 µg/ml
12) fluoranthene	10.738	5892653	58.961 µg/ml
13) pyrene	10.995	6024394	59.376 µg/ml
14) benzo(a)anthracene	12.558	5610692	58.037 µg/ml
15) chrysene	12.608	5572348	57.246 µg/ml
16) benzo(B)fluoranthene	13.858	5623621	56.803 µg/ml
17) benzo(k)fluoranthene	13.888	5478238	57.969 µg/ml
18) benzo(a)pyrene	14.193	5252828	56.827 µg/ml
19) indeno(1,2,3-cd)pyrene	15.337	5282932	55.811 µg/ml
20) dibenzo(ah)anthracene	15.378	5153442	56.384 µg/ml
21) benzo(ghi)perylene	15.560	5137962	55.773 µg/ml
25) h c-9	2.648	4083827	55.282 µg/mlm
26) h c-10	3.815	4122373	55.804 µg/ml
27) naphthalene #2	5.490	4387002	54.925 µg/ml
28) c-12	5.667	4076173	55.179 µg/ml
29) 2-methylnaphthalene #2	6.383	4375669	54.311 µg/ml
30) c-14	7.185	4045820	54.768 µg/ml
31) c-16	8.515	4001672	54.170 µg/ml
32) c-18	9.710	4006813	54.240 µg/ml
33) c-19	10.265	3976692	59.526 µg/ml
34) c-20	10.795	3900460	58.385 µg/ml
36) c-22	11.792	3874501	57.996 µg/ml
37) c-24	12.710	3618673	54.167 µg/ml
38) c-26	13.560	3841296	57.499 µg/ml

SGS ACCUTEST MC45754

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 5:33 pm
Operator : thomasa
Sample : cc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:11:21 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
39)	c-28	14.353	3691344	55.254	µg/ml
40) h	c-30	15.098	3678471	55.062	µg/ml
41) h	c-36	17.008	3262464	48.835	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.11

9

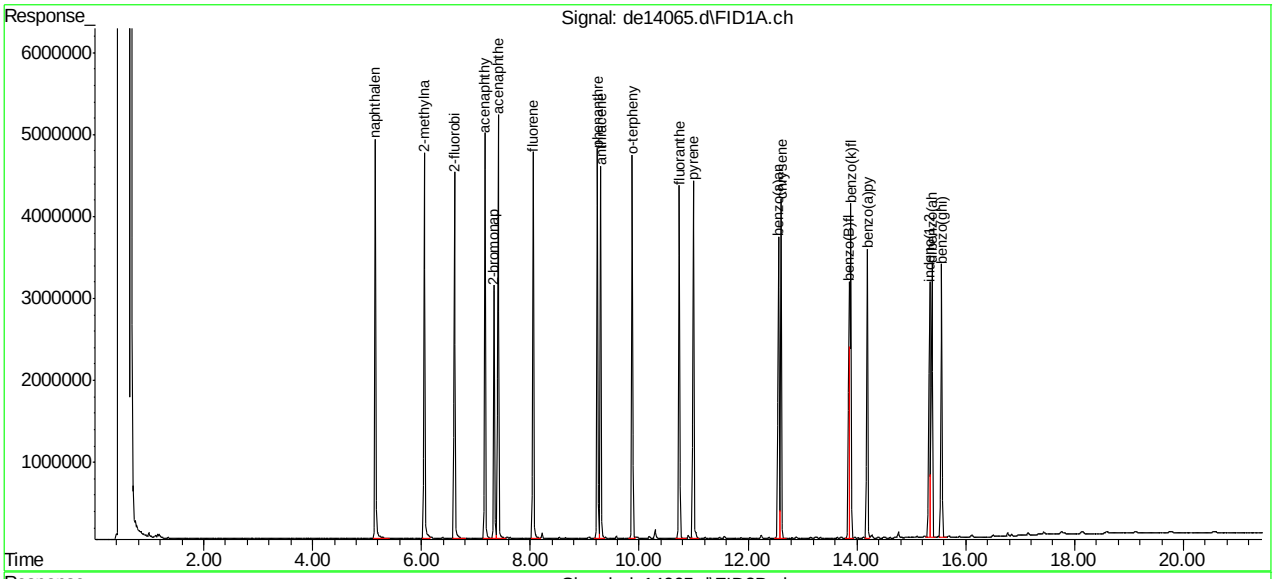
SGS ACCUTEST MC45754

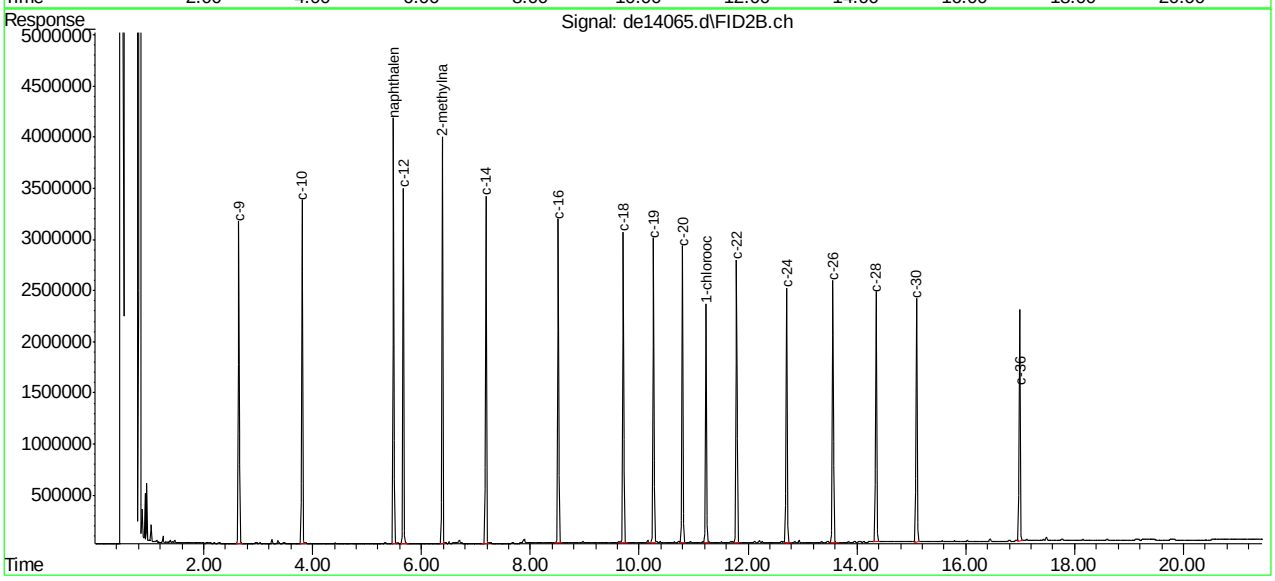
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 5:33 pm
Operator : thomasa
Sample : cc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

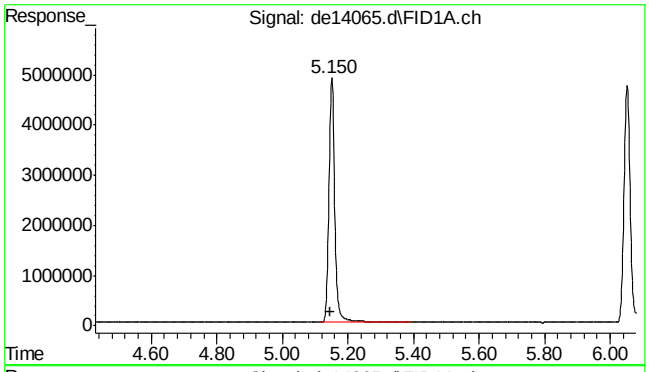
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:11:21 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



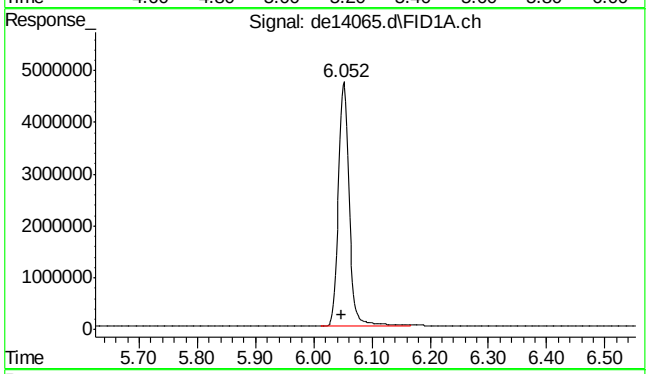


SGS ACCUTEST MC45754



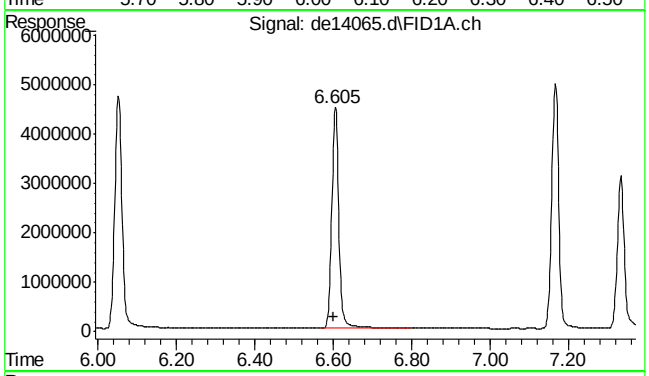
#2 naphthalene

R.T.: 5.150 min
Delta R.T.: 0.003 min
Response: 6248815
Conc: 60.59 µg/ml



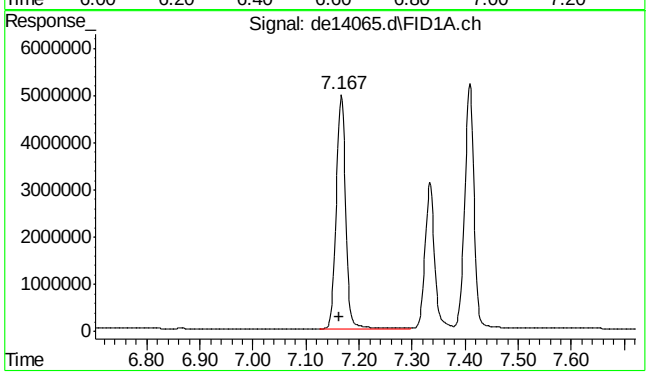
#3 2-methylnaphthalene

R.T.: 6.052 min
Delta R.T.: 0.003 min
Response: 6206022
Conc: 60.56 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.605 min
Delta R.T.: 0.003 min
Response: 5631262
Conc: 61.06 µg/ml



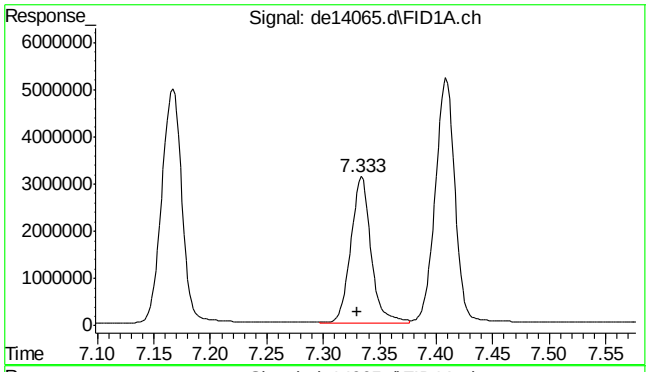
#5 acenaphthylene

R.T.: 7.167 min
Delta R.T.: 0.003 min
Response: 6177825
Conc: 61.41 µg/ml

9.4.11

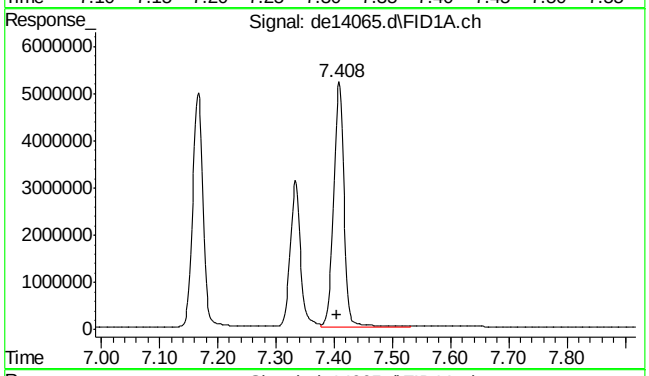
9

SGS ACCUTEST MC45754



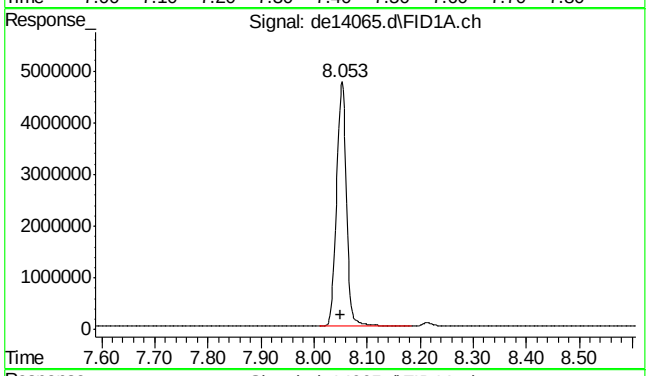
#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.003 min
Response: 3801707
Conc: 60.58 µg/ml



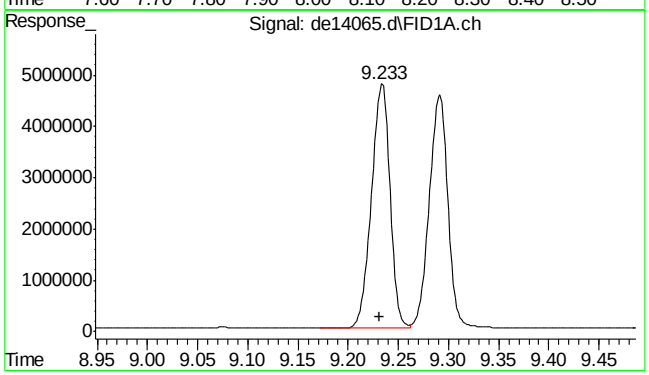
#7 acenaphthene

R.T.: 7.408 min
Delta R.T.: 0.003 min
Response: 6392119
Conc: 61.83 µg/ml



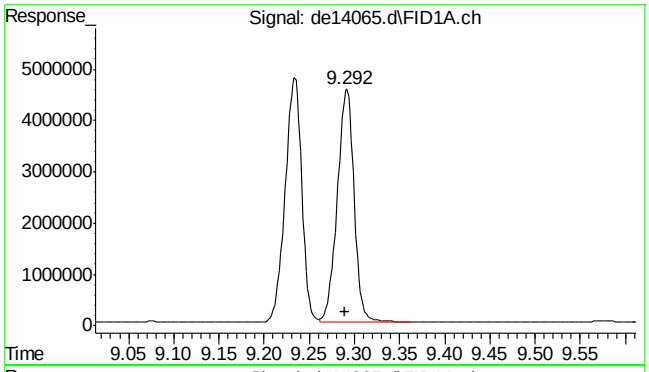
#8 fluorene

R.T.: 8.053 min
Delta R.T.: 0.003 min
Response: 6203542
Conc: 61.08 µg/ml



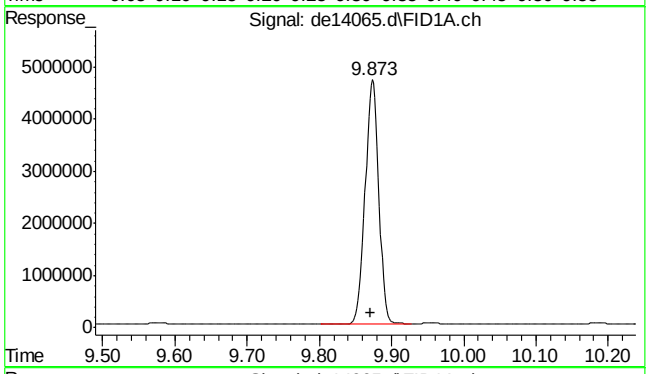
#9 phenanthrene

R.T.: 9.233 min
Delta R.T.: 0.002 min
Response: 6116128
Conc: 60.10 µg/ml



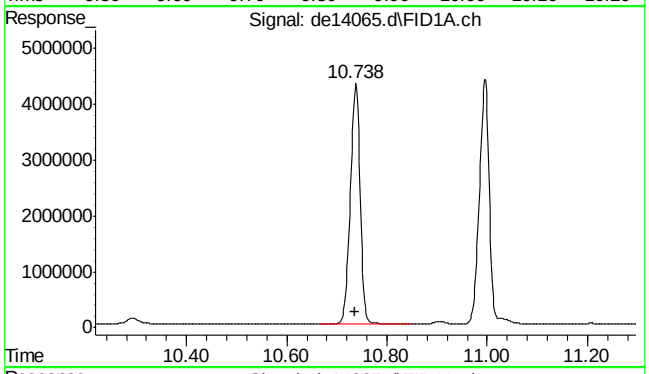
#10 anthracene

R.T.: 9.292 min
Delta R.T.: 0.002 min
Response: 5911171
Conc: 60.93 µg/ml



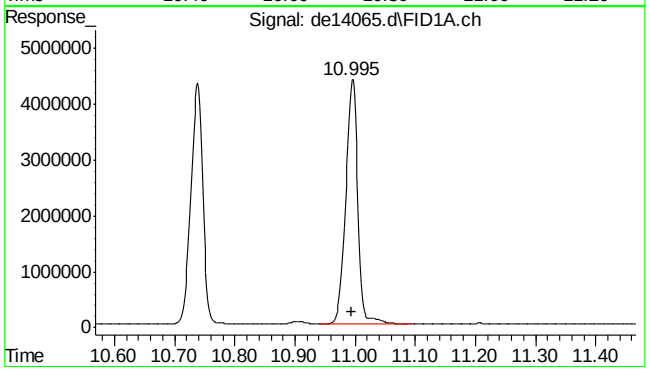
#11 o-terphenyl

R.T.: 9.873 min
Delta R.T.: 0.002 min
Response: 6163566
Conc: 60.18 µg/ml



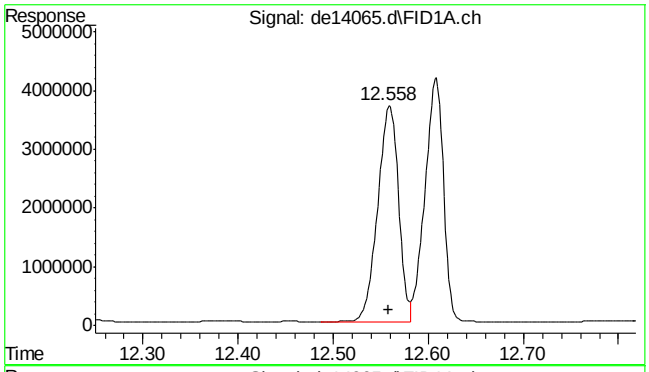
#12 fluoranthene

R.T.: 10.738 min
Delta R.T.: 0.002 min
Response: 5892653
Conc: 58.96 µg/ml



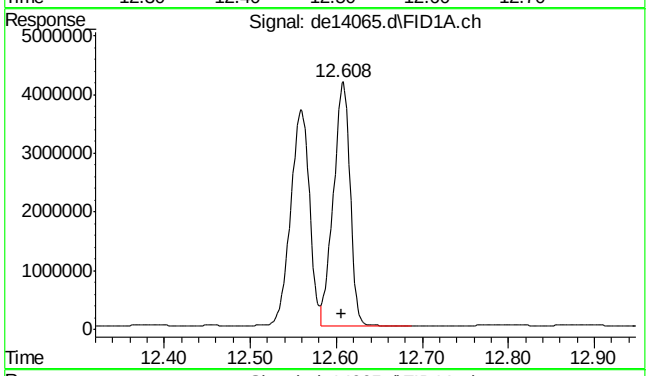
#13 pyrene

R.T.: 10.995 min
Delta R.T.: 0.002 min
Response: 6024394
Conc: 59.38 µg/ml



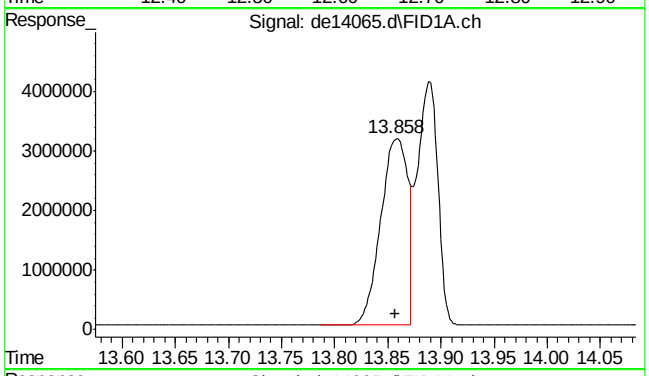
#14 benzo(a)anthracene

R.T.: 12.558 min
Delta R.T.: 0.000 min
Response: 5610692
Conc: 58.04 µg/ml



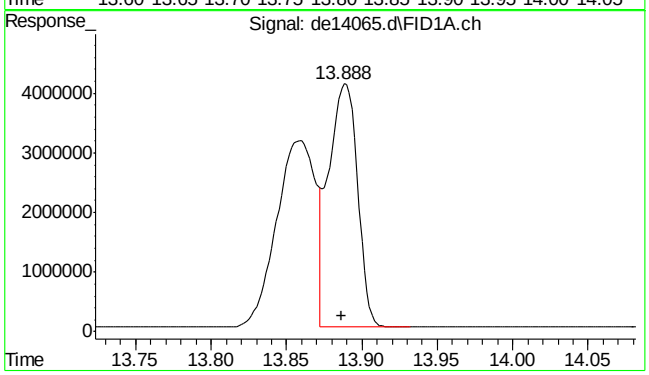
#15 chrysene

R.T.: 12.608 min
Delta R.T.: 0.002 min
Response: 5572348
Conc: 57.25 µg/ml



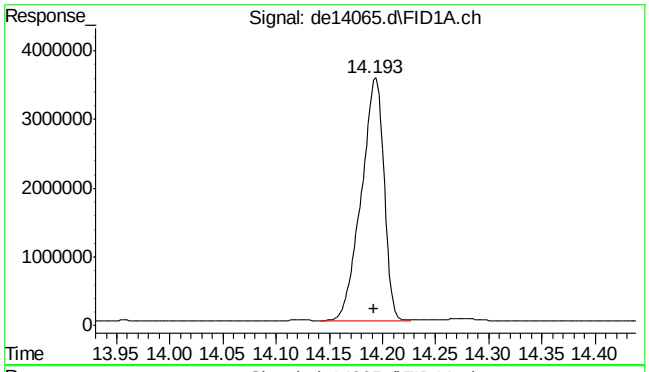
#16 benzo(B)fluoranthene

R.T.: 13.858 min
Delta R.T.: 0.002 min
Response: 5623621
Conc: 56.80 µg/ml



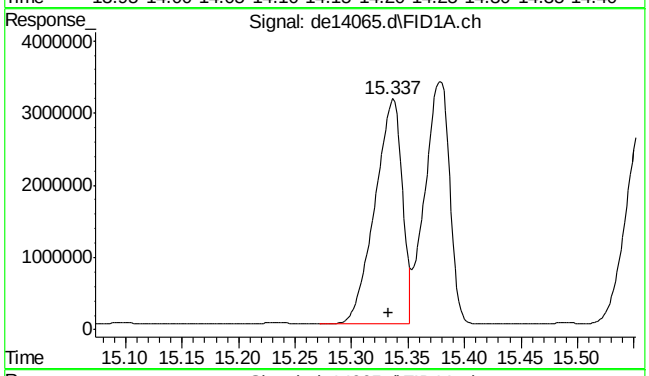
#17 benzo(k)fluoranthene

R.T.: 13.888 min
Delta R.T.: 0.002 min
Response: 5478238
Conc: 57.97 µg/ml



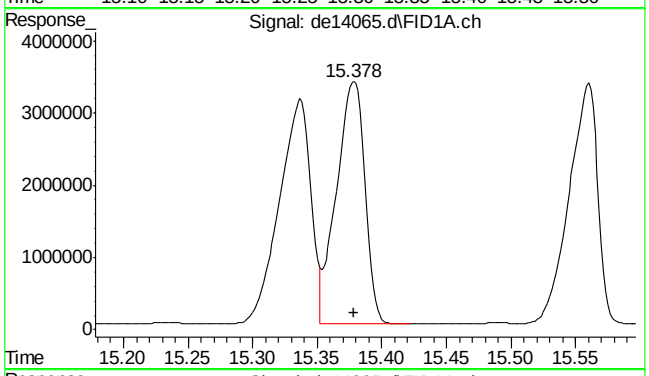
#18 benzo(a)pyrene

R.T.: 14.193 min
Delta R.T.: 0.002 min
Response: 5252828
Conc: 56.83 µg/ml



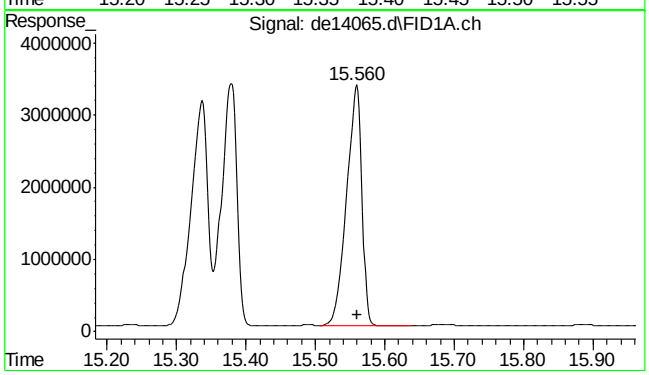
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.337 min
Delta R.T.: 0.003 min
Response: 5282932
Conc: 55.81 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.378 min
Delta R.T.: 0.000 min
Response: 5153442
Conc: 56.38 µg/ml



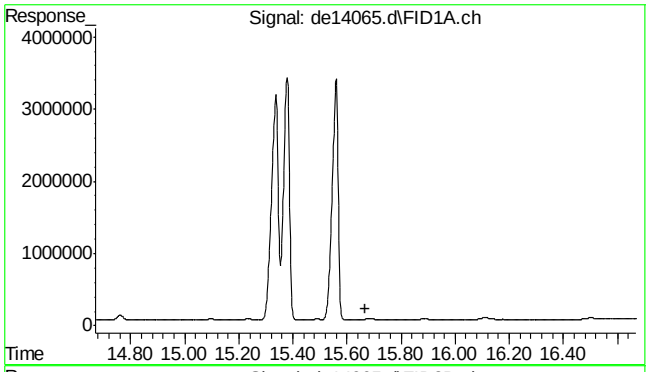
#21 benzo(ghi)perylene

R.T.: 15.560 min
Delta R.T.: 0.000 min
Response: 5137962
Conc: 55.77 µg/ml

9.4.11

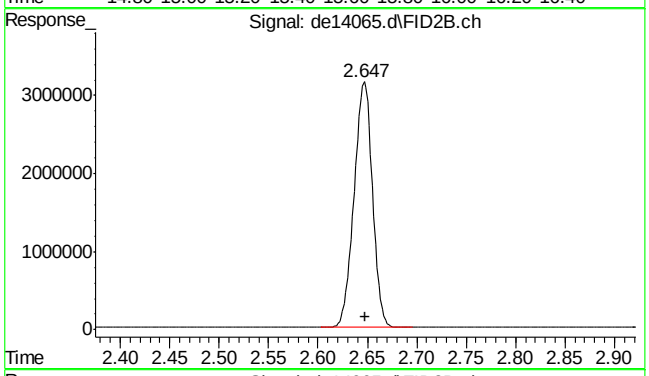
9

SGS ACCUTEST MC45754



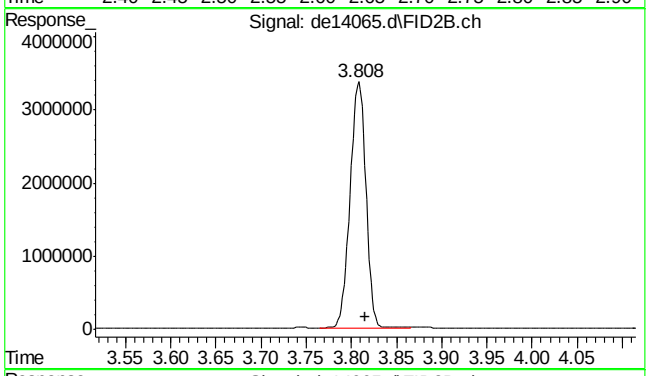
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



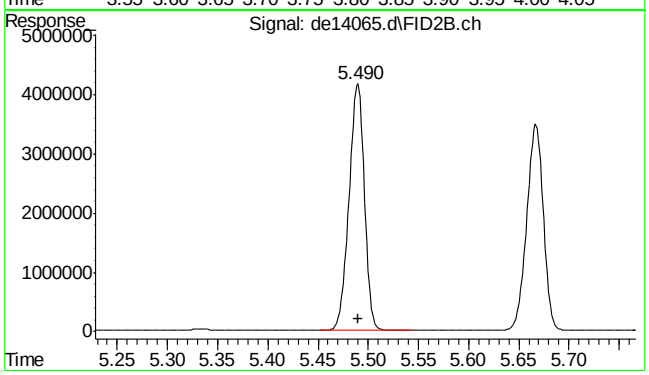
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 4083827
Conc: 55.28 µg/ml m



#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 4122373
Conc: 55.80 µg/ml



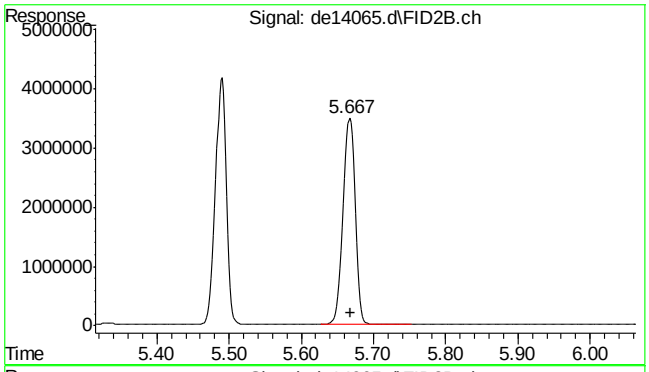
#27 naphthalene #2

R.T.: 5.490 min
Delta R.T.: 0.000 min
Response: 4387002
Conc: 54.93 µg/ml

9.4.11

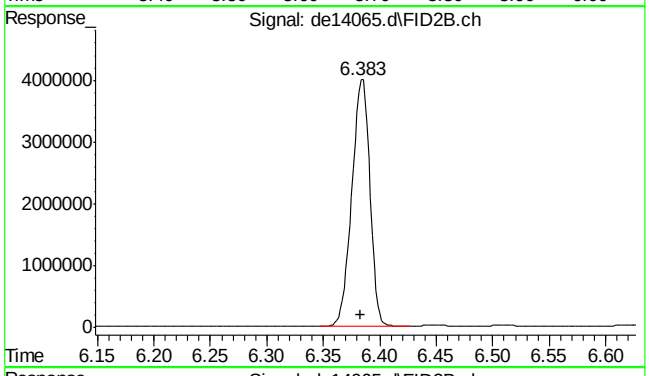
9

SGS ACCUTEST MC45754



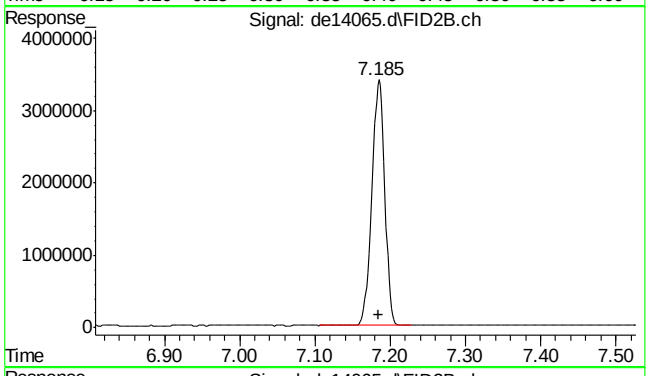
#28 c-12

R.T.: 5.667 min
Delta R.T.: -0.002 min
Response: 4076173
Conc: 55.18 µg/ml



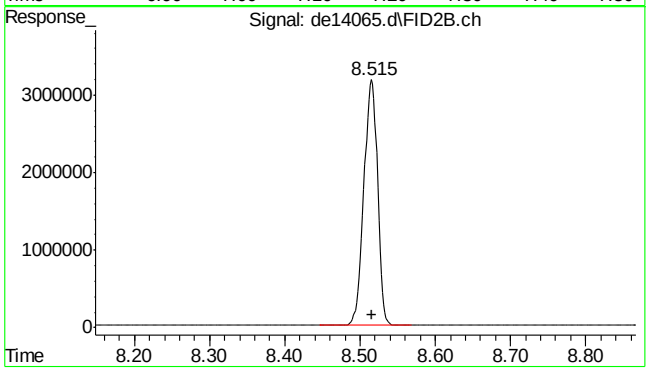
#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 4375669
Conc: 54.31 µg/ml



#30 c-14

R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 4045820
Conc: 54.77 µg/ml



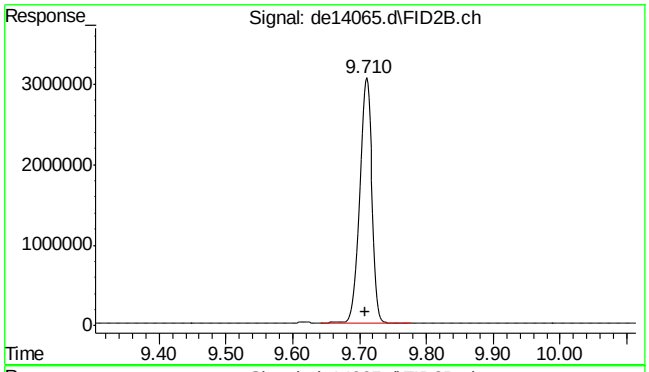
#31 c-16

R.T.: 8.515 min
Delta R.T.: 0.000 min
Response: 4001672
Conc: 54.17 µg/ml

9.4.11

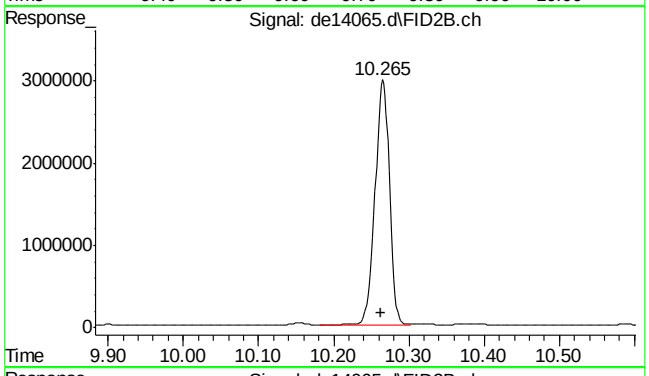
9

SGS ACCUTEST MC45754



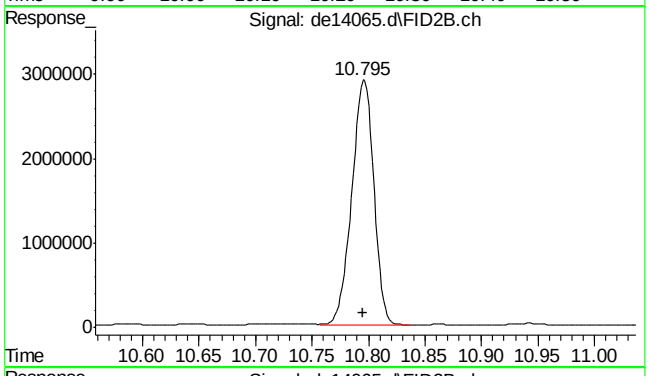
#32 c-18

R.T.: 9.710 min
Delta R.T.: 0.002 min
Response: 4006813
Conc: 54.24 µg/ml



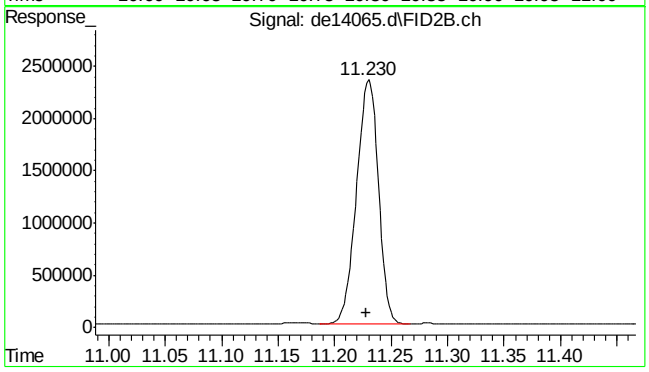
#33 c-19

R.T.: 10.265 min
Delta R.T.: 0.002 min
Response: 3976692
Conc: 59.53 µg/ml



#34 c-20

R.T.: 10.795 min
Delta R.T.: 0.000 min
Response: 3900460
Conc: 58.38 µg/ml



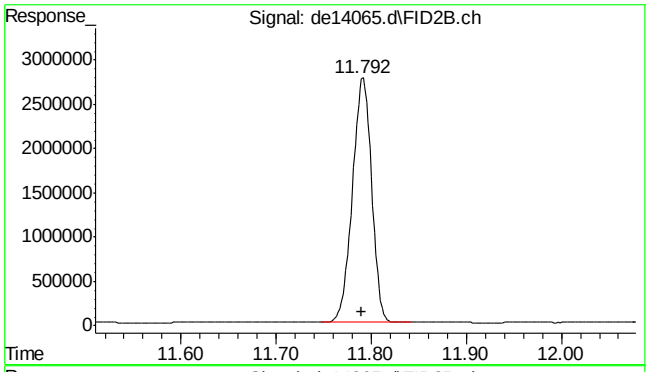
#35 1-chlorooctadecane

R.T.: 11.230 min
Delta R.T.: 0.002 min
Response: 3141449
Conc: 55.53 µg/ml

9.4.11

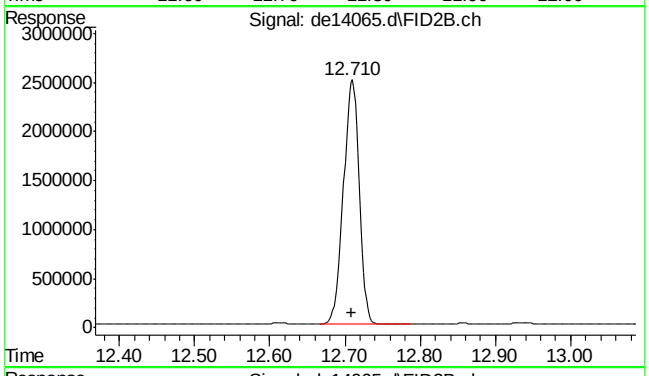
9

SGS ACCUTEST MC45754



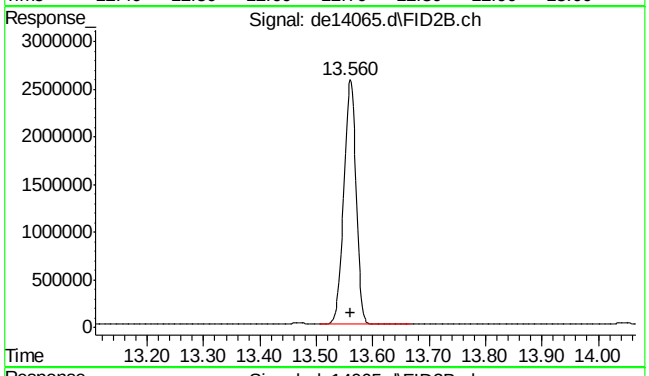
#36 c-22

R.T.: 11.792 min
Delta R.T.: 0.002 min
Response: 3874501
Conc: 58.00 µg/ml



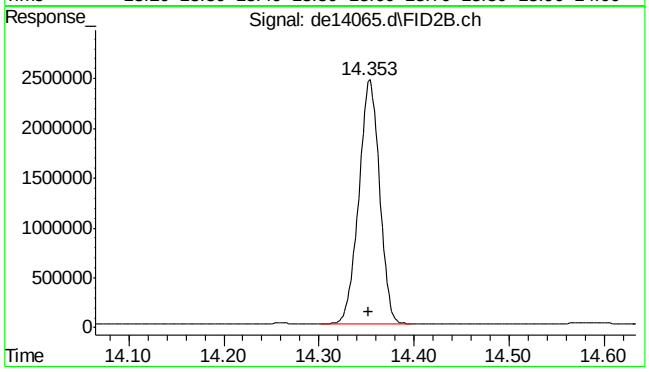
#37 c-24

R.T.: 12.710 min
Delta R.T.: 0.002 min
Response: 3618673
Conc: 54.17 µg/ml



#38 c-26

R.T.: 13.560 min
Delta R.T.: 0.000 min
Response: 3841296
Conc: 57.50 µg/ml



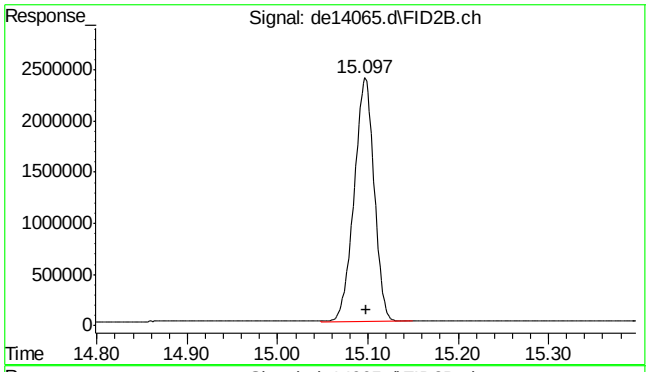
#39 c-28

R.T.: 14.353 min
Delta R.T.: 0.002 min
Response: 3691344
Conc: 55.25 µg/ml

9.4.11

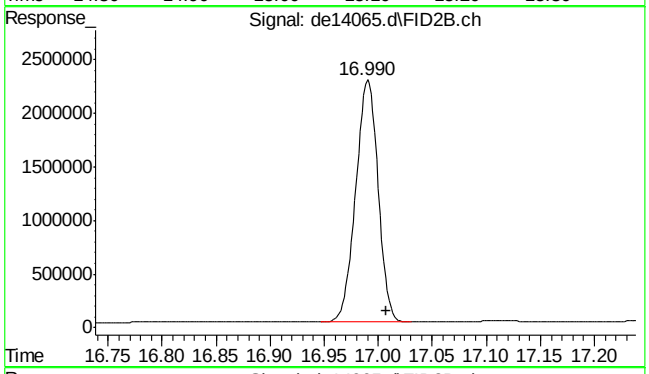
9

SGS ACCUTEST MC45754



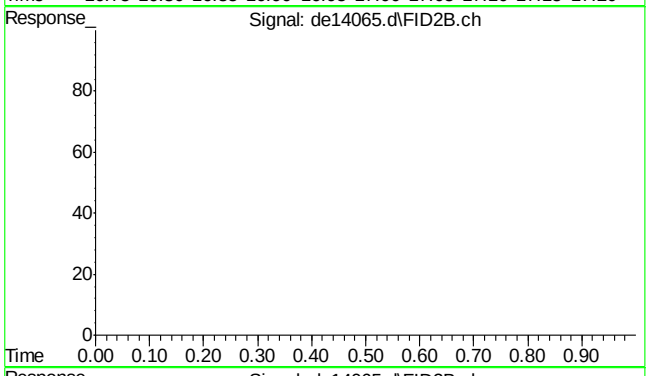
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 3678471
Conc: 55.06 µg/ml



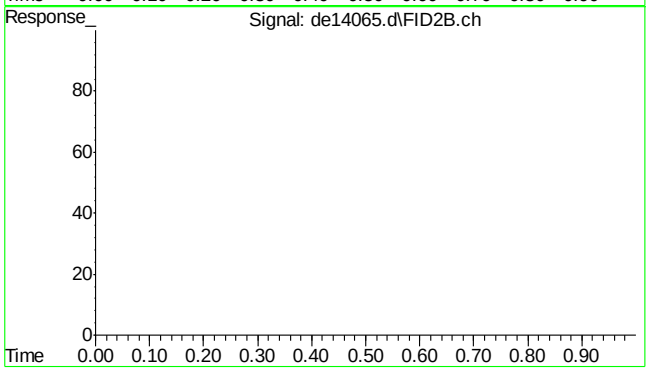
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 3262464
Conc: 48.83 µg/ml m



#42 bht

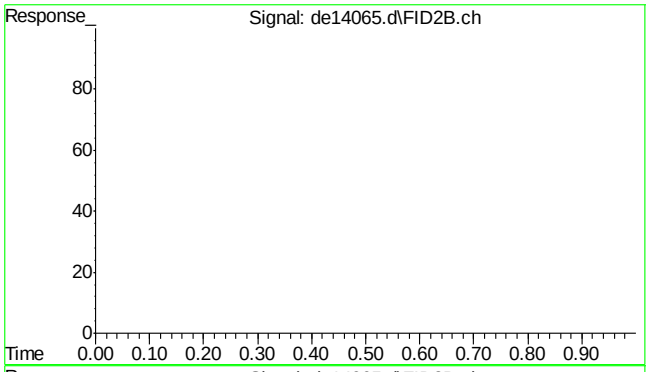
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#43 bht

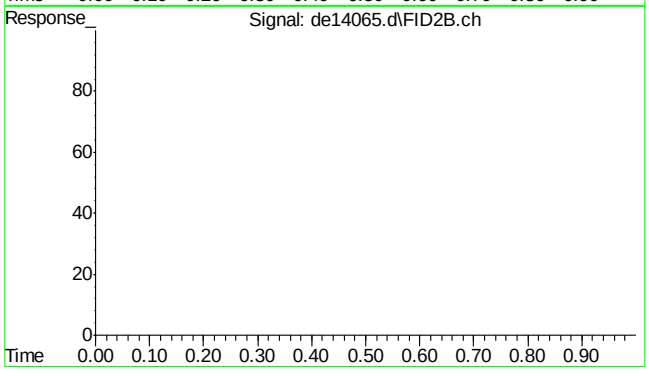
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

SGS ACCUTEST MC45754



#44 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```



#45 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```

9.4.11

9

SGS ACCUTEST MC45754

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/11/16 10:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14076.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:40 pm
Operator : thomasa
Sample : ecc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:13:09 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.603	5483791	59.458 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 297.29%#	
6) s 2-bromonaphthalene	7.333	3694821	58.877 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 294.39%#	
11) s o-terphenyl	9.872	5961040	58.198 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 290.99%#	
35) s 1-chlorooctadecane	11.228	3129947	55.324 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 276.62%#	
Target Compounds			
2) naphthalene	5.150	6122044	59.357 µg/ml
3) 2-methylnaphthalene	6.052	6039825	58.935 µg/ml
5) acenaphthylene	7.165	6020387	59.844 µg/ml
7) acenaphthene	7.407	6230389	60.269 µg/ml
8) fluorene	8.052	6021707	59.288 µg/ml
9) phenanthrene	9.232	5934308	58.315 µg/ml
10) anthracene	9.288	5676274	58.513 µg/ml
12) fluoranthene	10.737	5713812	57.172 µg/ml
13) pyrene	10.993	5849117	57.648 µg/ml
14) benzo(a)anthracene	12.558	5445357	56.326 µg/mlm
15) chrysene	12.605	5465766	56.151 µg/mlm
16) benzo(B)fluoranthene	13.855	5695695	57.531 µg/ml
17) benzo(k)fluoranthene	13.887	5208798	55.118 µg/ml
18) benzo(a)pyrene	14.190	5183617	56.078 µg/ml
19) indeno(1,2,3-cd)pyrene	15.332	5345812	56.475 µg/ml
20) dibenzo(ah)anthracene	15.375	5037740	55.118 µg/ml
21) benzo(ghi)perylene	15.558	5129271	55.678 µg/ml
25) h c-9	2.648	4149565	56.172 µg/mlm
26) h c-10	3.815	4173551	56.497 µg/ml
27) naphthalene #2	5.490	4436261	55.542 µg/ml
28) c-12	5.667	4122804	55.810 µg/ml
29) 2-methylnaphthalene #2	6.383	4418644	54.845 µg/ml
30) c-14	7.185	4083979	55.284 µg/ml
31) c-16	8.515	4025344	54.491 µg/ml
32) c-18	9.708	4014253	54.341 µg/ml
33) c-19	10.263	3973940	59.484 µg/ml
34) c-20	10.793	3889978	58.228 µg/ml
36) c-22	11.788	3852288	57.663 µg/ml
37) c-24	12.707	3586678	53.688 µg/ml
38) c-26	13.558	3795333	56.811 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14076.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:40 pm
Operator : thomasa
Sample : ecc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:13:09 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
39)	c-28	14.350	3642803	54.528 µg/ml
40) h	c-30	15.098	3621290	54.206 µg/ml
41) h	c-36	17.008	3237741	48.465 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.12

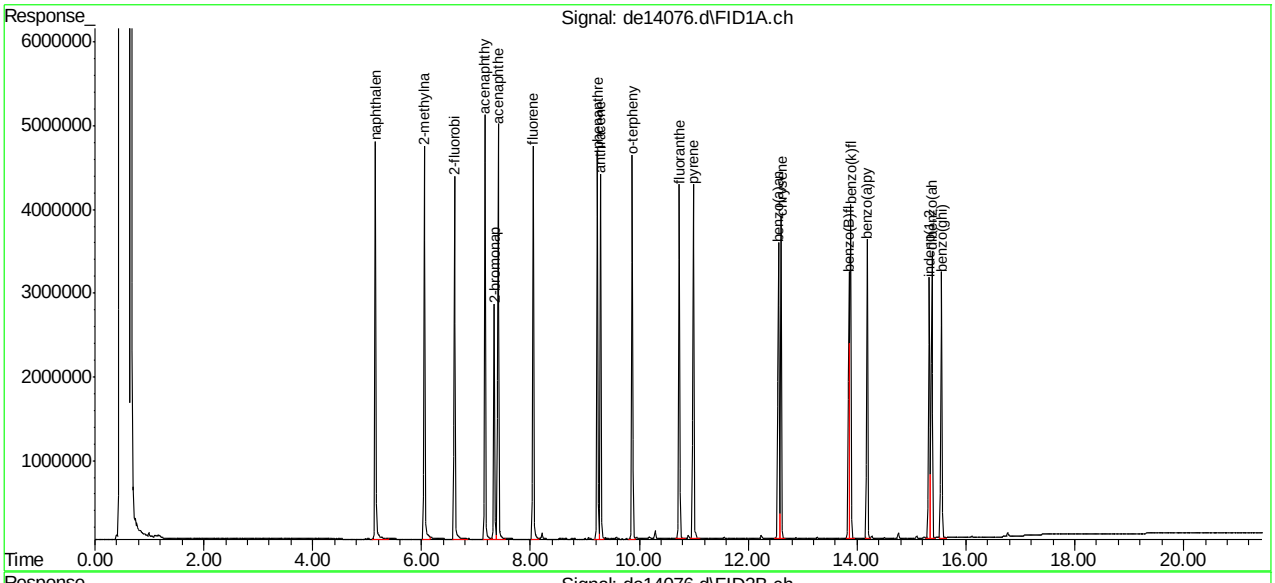
9

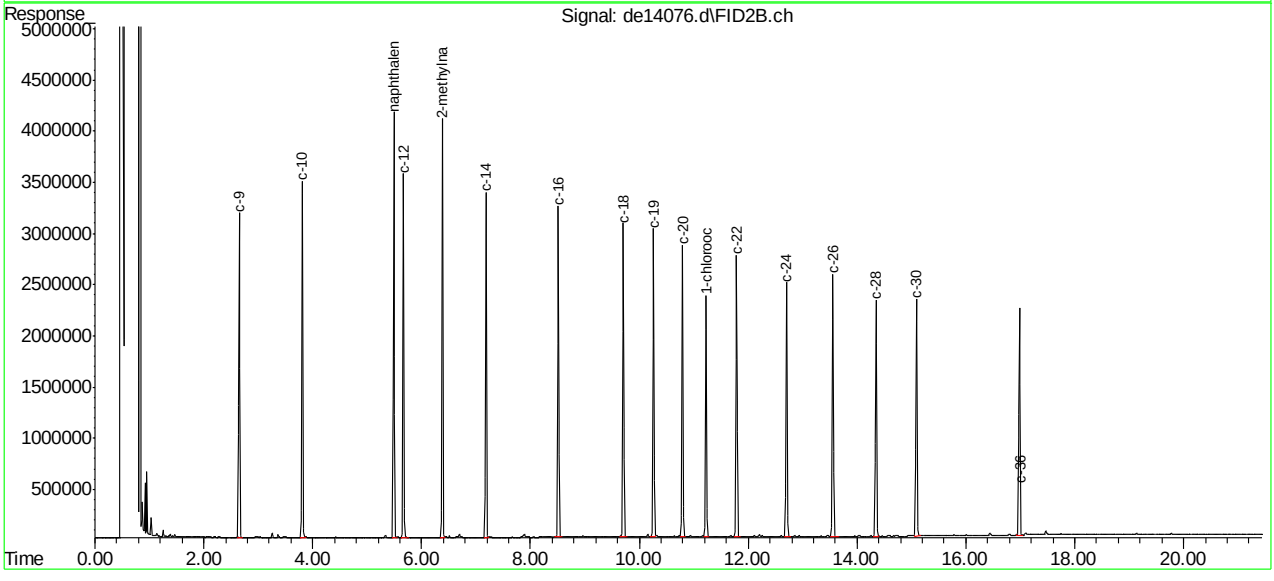
Quantitation Report (QT Reviewed)

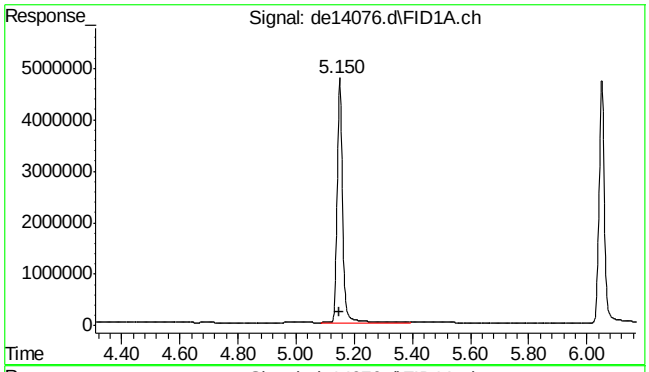
Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14076.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:40 pm
Operator : thomasa
Sample : ecc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:13:09 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

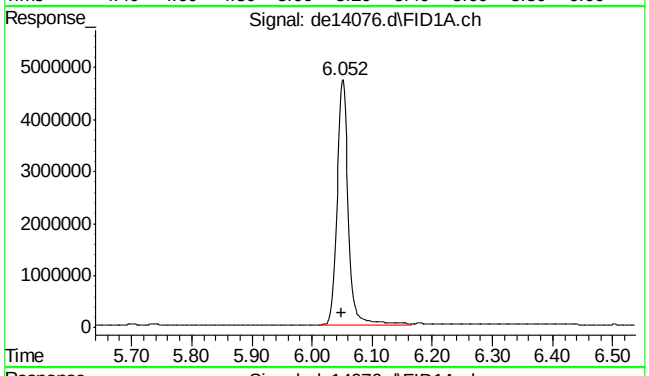






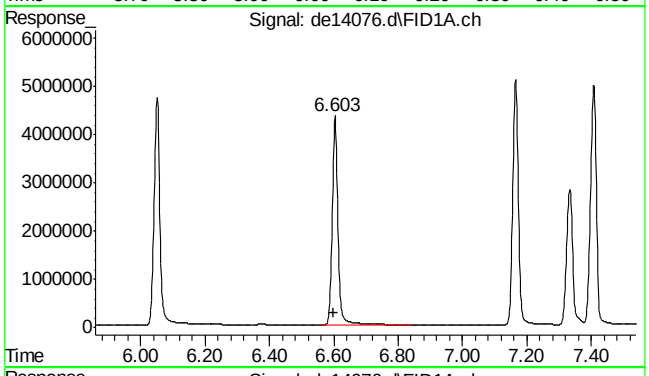
#2 naphthalene

R.T.: 5.150 min
Delta R.T.: 0.003 min
Response: 6122044
Conc: 59.36 µg/ml



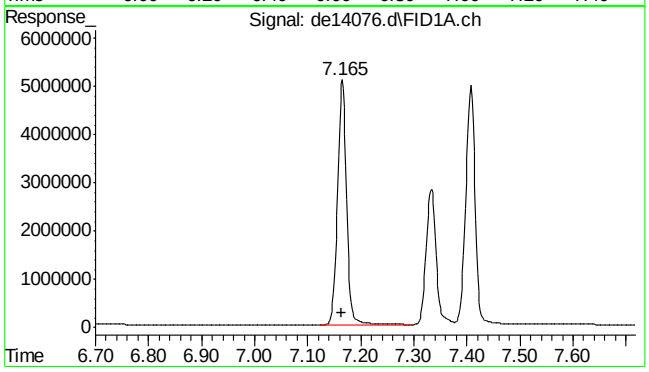
#3 2-methylnaphthalene

R.T.: 6.052 min
Delta R.T.: 0.003 min
Response: 6039825
Conc: 58.94 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.603 min
Delta R.T.: 0.002 min
Response: 5483791
Conc: 59.46 µg/ml



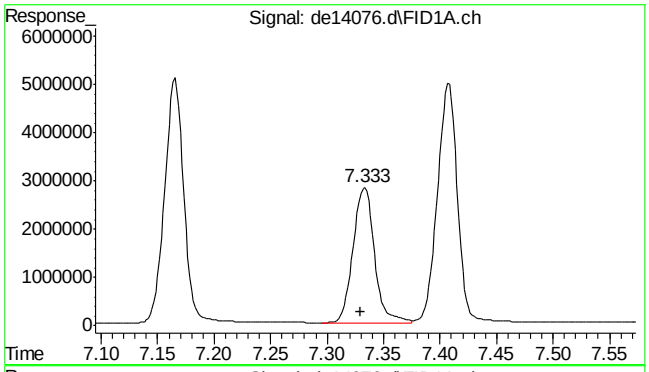
#5 acenaphthylene

R.T.: 7.165 min
Delta R.T.: 0.002 min
Response: 6020387
Conc: 59.84 µg/ml

9.4.12

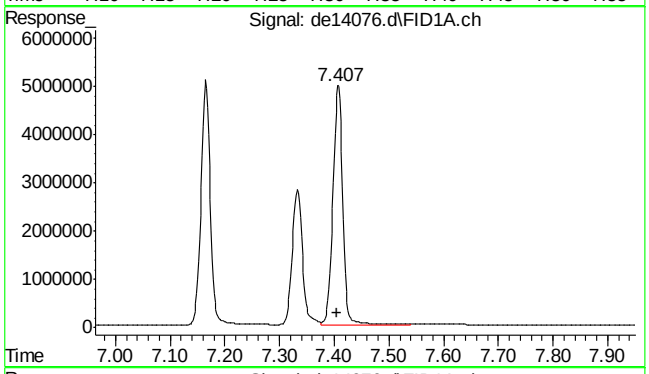
9

SGS ACCUTEST MC45754



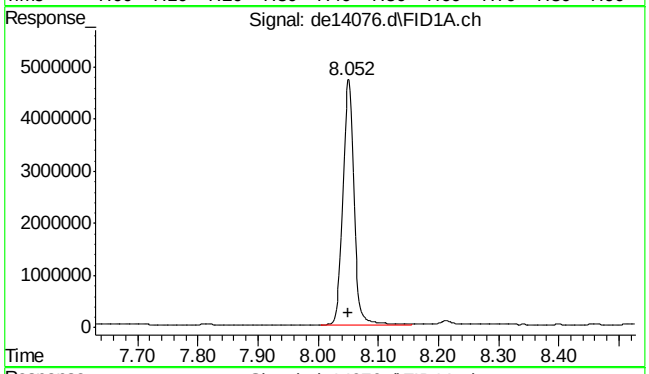
#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.003 min
Response: 3694821
Conc: 58.88 µg/ml



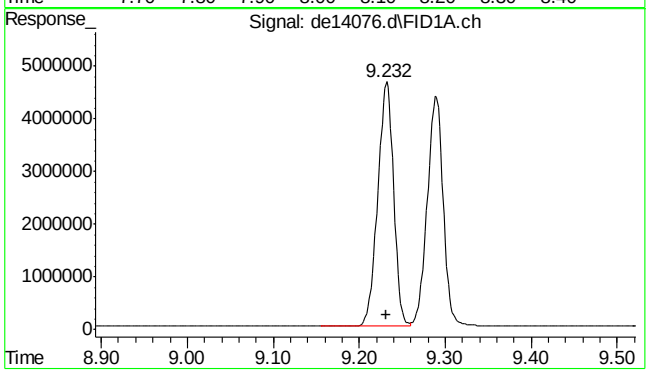
#7 acenaphthene

R.T.: 7.407 min
Delta R.T.: 0.002 min
Response: 6230389
Conc: 60.27 µg/ml



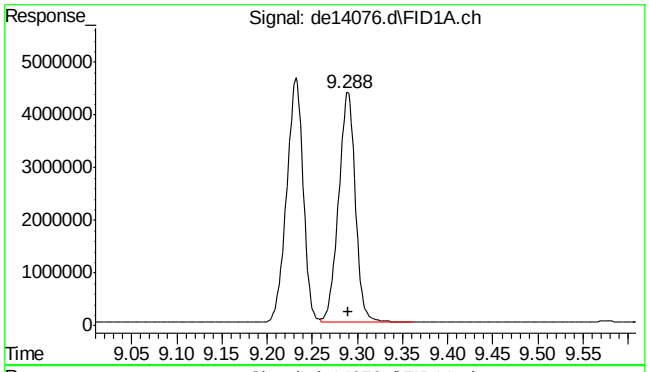
#8 fluorene

R.T.: 8.052 min
Delta R.T.: 0.002 min
Response: 6021707
Conc: 59.29 µg/ml



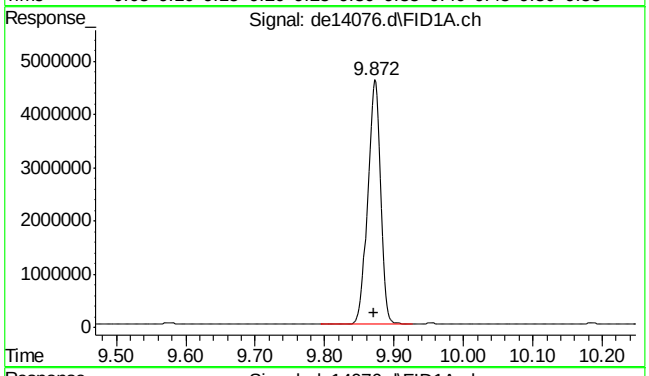
#9 phenanthrene

R.T.: 9.232 min
Delta R.T.: 0.000 min
Response: 5934308
Conc: 58.32 µg/ml



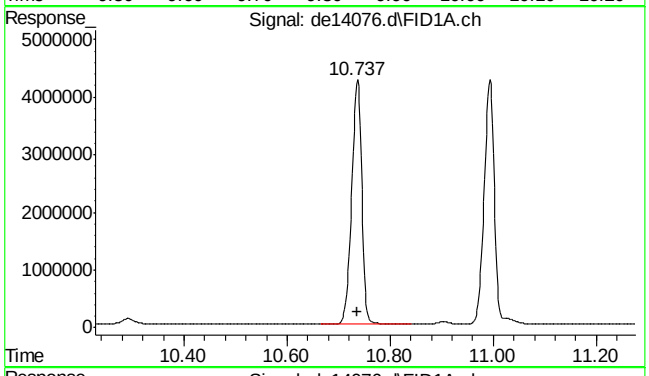
#10 anthracene

R.T.: 9.288 min
Delta R.T.: -0.002 min
Response: 5676274
Conc: 58.51 µg/ml



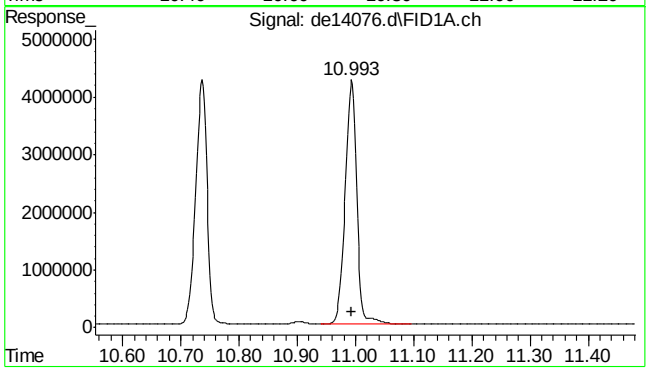
#11 o-terphenyl

R.T.: 9.872 min
Delta R.T.: 0.000 min
Response: 5961040
Conc: 58.20 µg/ml



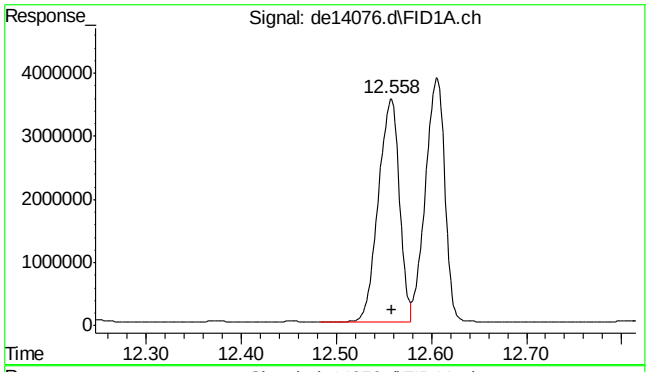
#12 fluoranthene

R.T.: 10.737 min
Delta R.T.: 0.000 min
Response: 5713812
Conc: 57.17 µg/ml



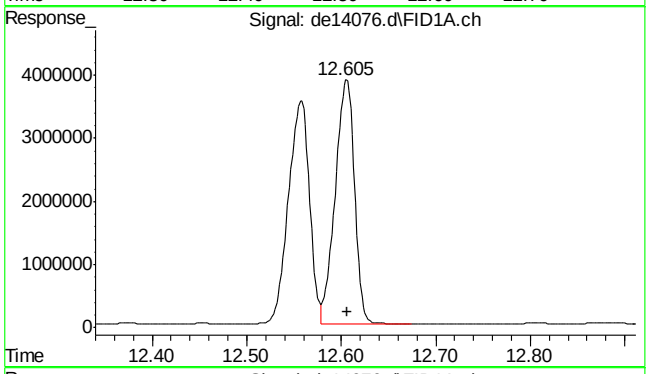
#13 pyrene

R.T.: 10.993 min
Delta R.T.: 0.000 min
Response: 5849117
Conc: 57.65 µg/ml



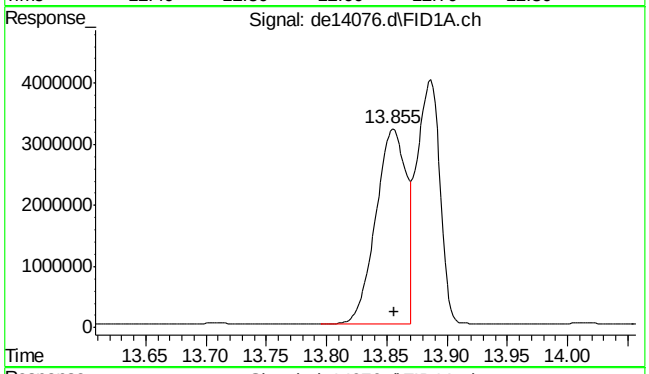
#14 benzo(a)anthracene

R.T.: 12.558 min
Delta R.T.: 0.000 min
Response: 5445357
Conc: 56.33 µg/ml m



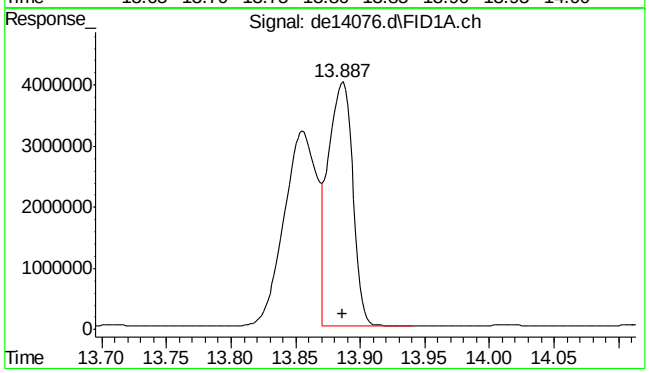
#15 chrysene

R.T.: 12.605 min
Delta R.T.: -0.002 min
Response: 5465766
Conc: 56.15 µg/ml m



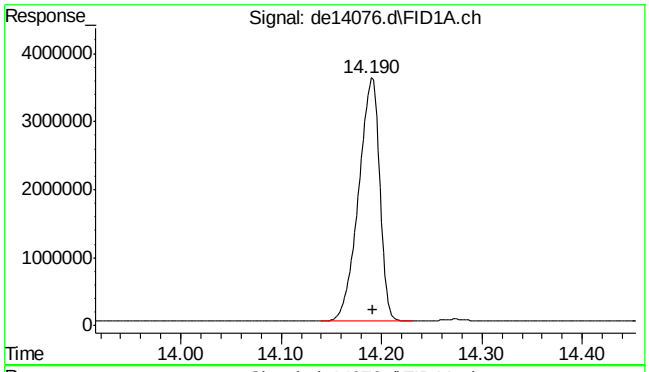
#16 benzo(B)fluoranthene

R.T.: 13.855 min
Delta R.T.: -0.002 min
Response: 5695695
Conc: 57.53 µg/ml



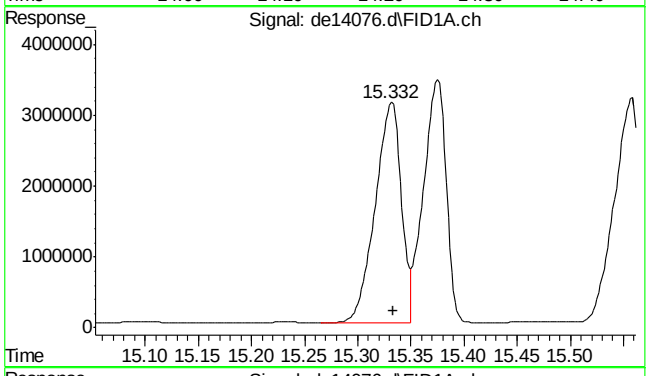
#17 benzo(k)fluoranthene

R.T.: 13.887 min
Delta R.T.: 0.000 min
Response: 5208798
Conc: 55.12 µg/ml



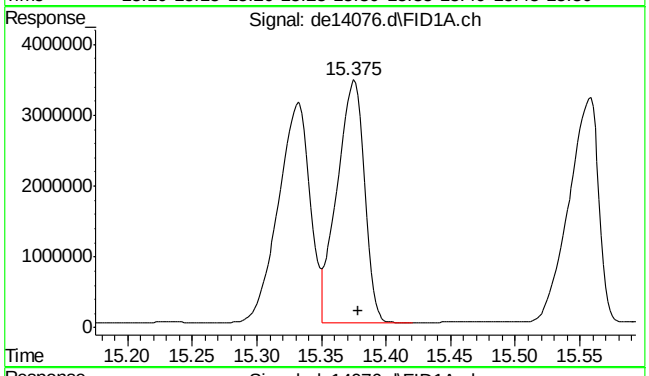
#18 benzo(a)pyrene

R.T.: 14.190 min
Delta R.T.: -0.002 min
Response: 5183617
Conc: 56.08 µg/ml



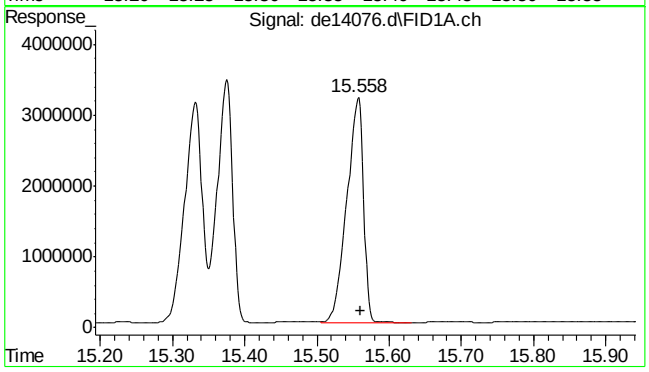
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.332 min
Delta R.T.: -0.002 min
Response: 5345812
Conc: 56.47 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.375 min
Delta R.T.: -0.003 min
Response: 5037740
Conc: 55.12 µg/ml



#21 benzo(ghi)perylene

R.T.: 15.558 min
Delta R.T.: -0.002 min
Response: 5129271
Conc: 55.68 µg/ml

9.4.12

9

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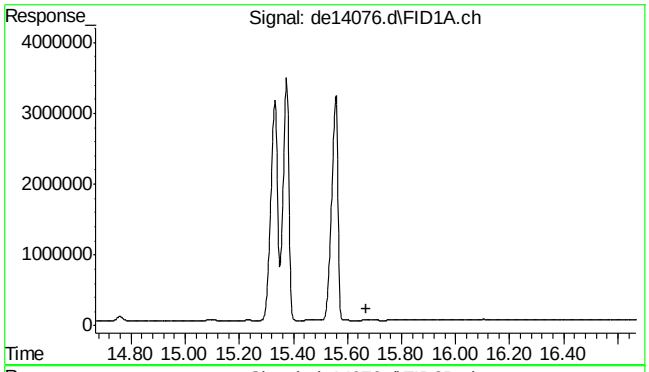
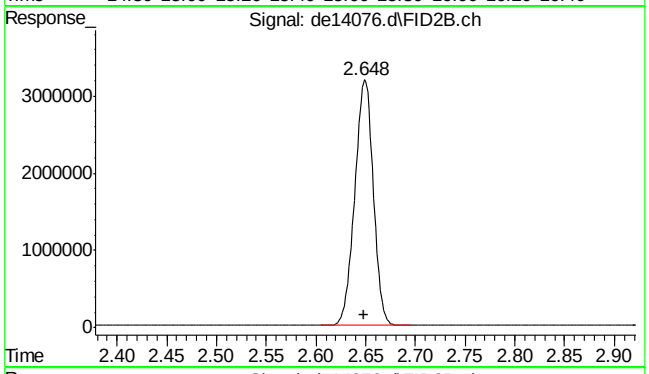


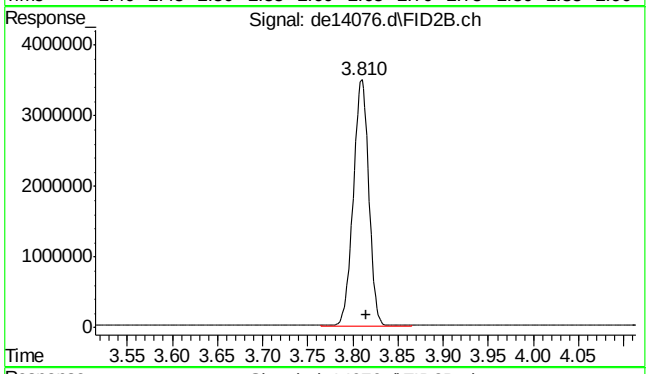
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



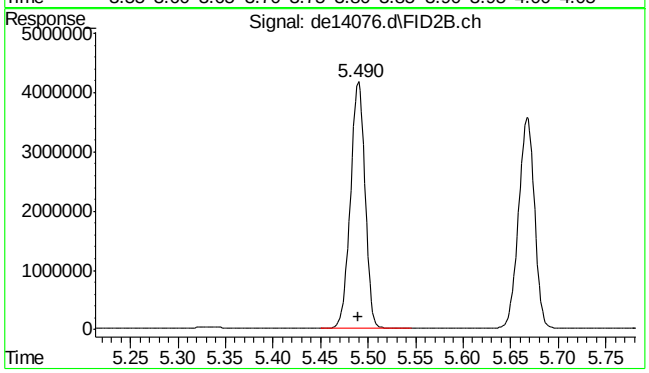
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 4149565
Conc: 56.17 µg/ml m



#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 4173551
Conc: 56.50 µg/ml



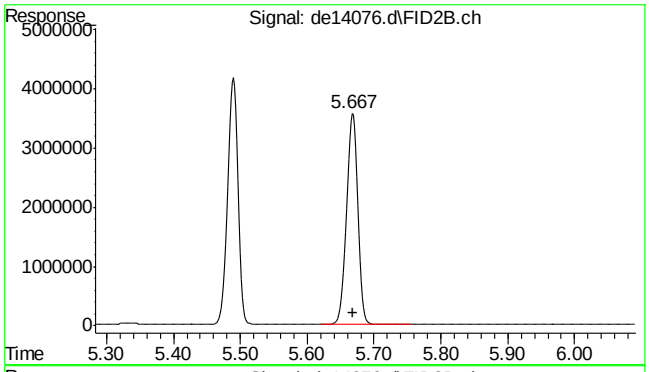
#27 naphthalene #2

R.T.: 5.490 min
Delta R.T.: 0.000 min
Response: 4436261
Conc: 55.54 µg/ml

9.4.12

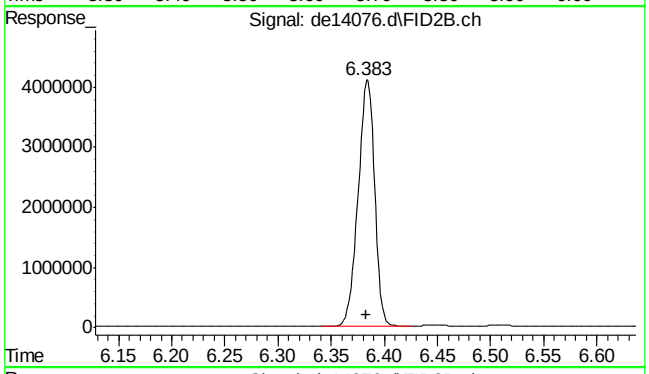
9

SGS ACCUTEST MC45754



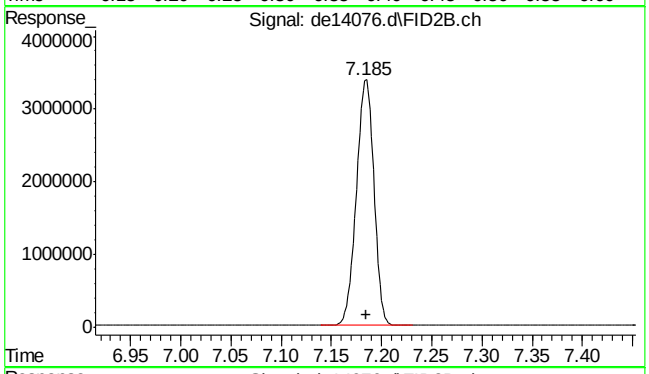
#28 c-12

R.T.: 5.667 min
Delta R.T.: -0.002 min
Response: 4122804
Conc: 55.81 µg/ml



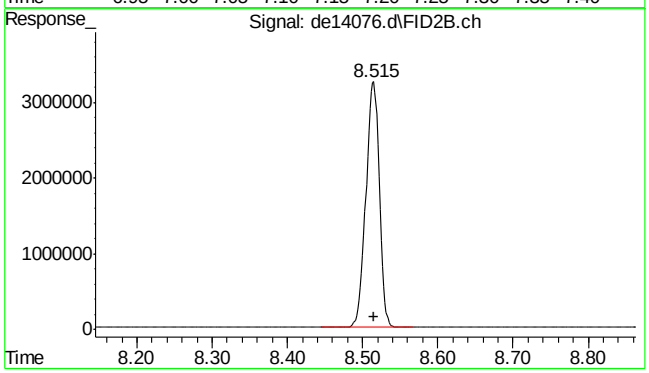
#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 4418644
Conc: 54.84 µg/ml



#30 c-14

R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 4083979
Conc: 55.28 µg/ml



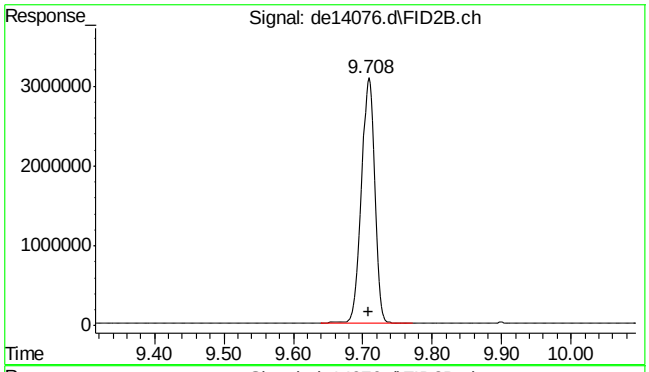
#31 c-16

R.T.: 8.515 min
Delta R.T.: 0.000 min
Response: 4025344
Conc: 54.49 µg/ml

9.4.12

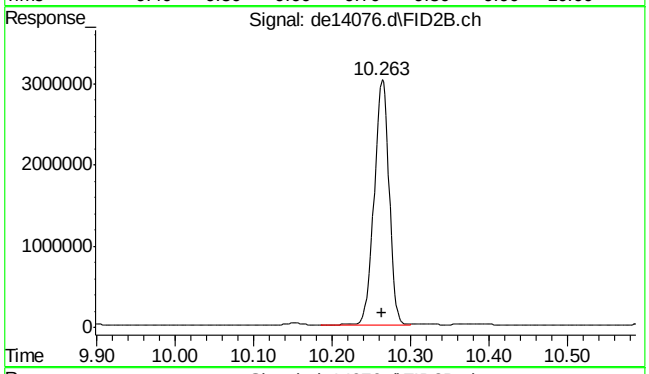
9

SGS ACCUTEST MC45754



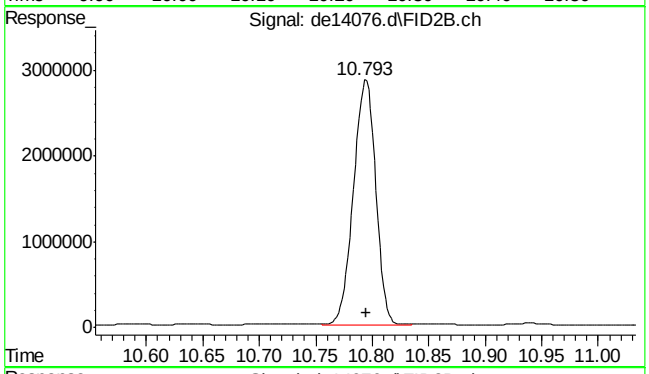
#32 c-18

R.T.: 9.708 min
Delta R.T.: 0.000 min
Response: 4014253
Conc: 54.34 µg/ml



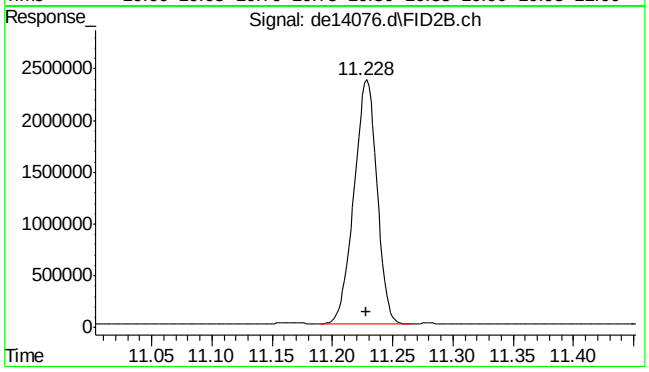
#33 c-19

R.T.: 10.263 min
Delta R.T.: 0.000 min
Response: 3973940
Conc: 59.48 µg/ml



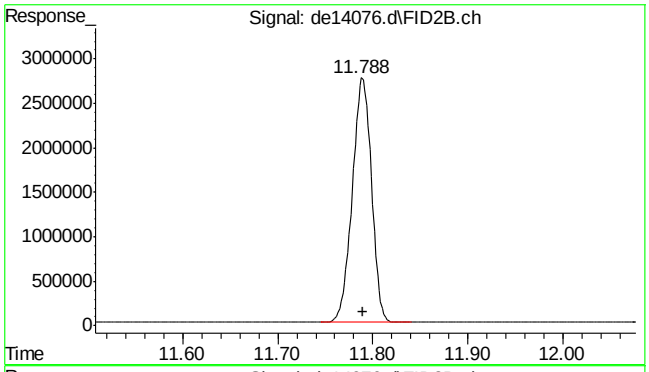
#34 c-20

R.T.: 10.793 min
Delta R.T.: -0.002 min
Response: 3889978
Conc: 58.23 µg/ml



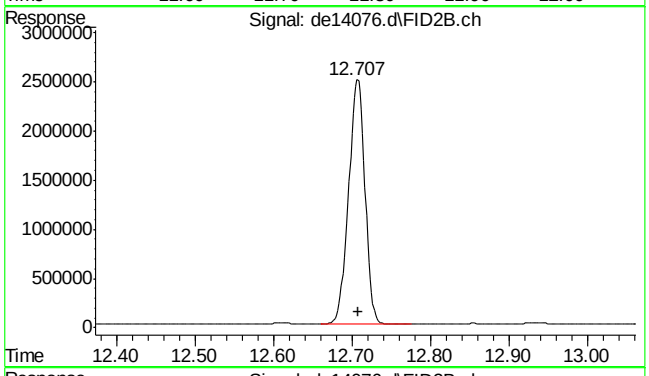
#35 1-chlorooctadecane

R.T.: 11.228 min
Delta R.T.: 0.000 min
Response: 3129947
Conc: 55.32 µg/ml



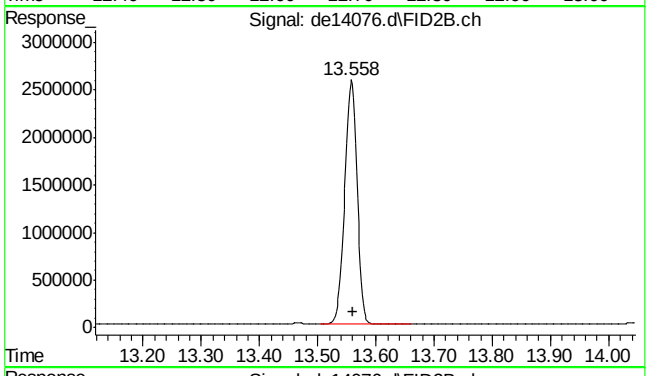
#36 c-22

R.T.: 11.788 min
Delta R.T.: -0.002 min
Response: 3852288
Conc: 57.66 µg/ml



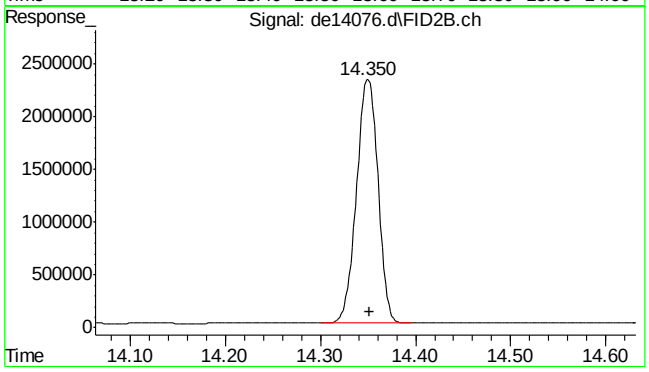
#37 c-24

R.T.: 12.707 min
Delta R.T.: -0.002 min
Response: 3586678
Conc: 53.69 µg/ml



#38 c-26

R.T.: 13.558 min
Delta R.T.: -0.002 min
Response: 3795333
Conc: 56.81 µg/ml



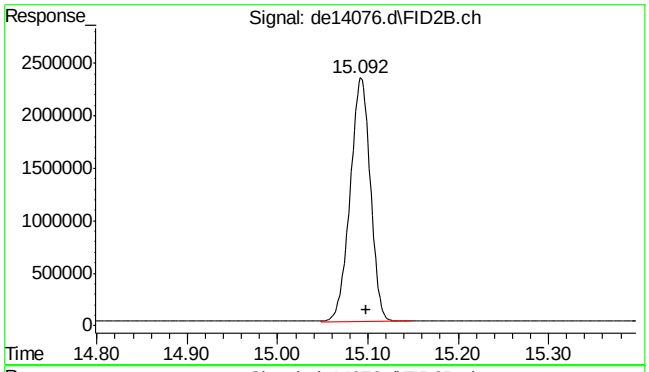
#39 c-28

R.T.: 14.350 min
Delta R.T.: -0.002 min
Response: 3642803
Conc: 54.53 µg/ml

9.4.12

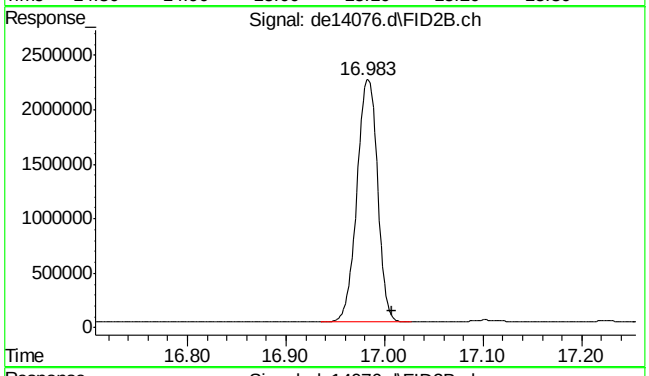
9

SGS ACCUTEST MC45754



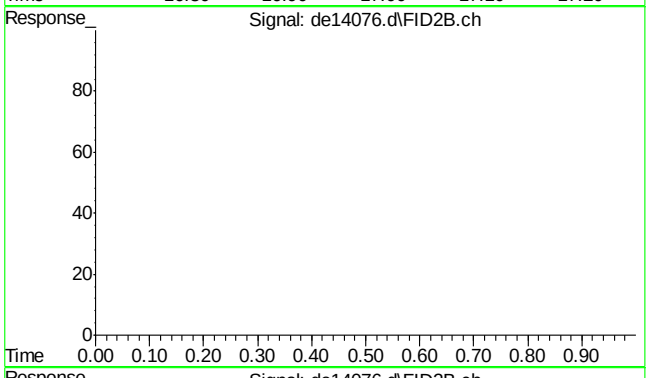
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 3621290
Conc: 54.21 µg/ml



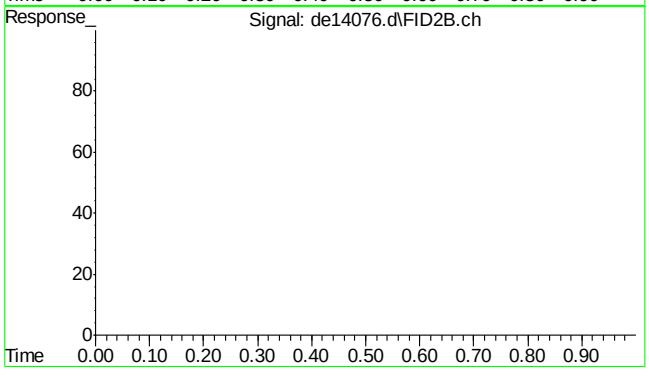
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 3237741
Conc: 48.46 µg/ml m



#42 bht

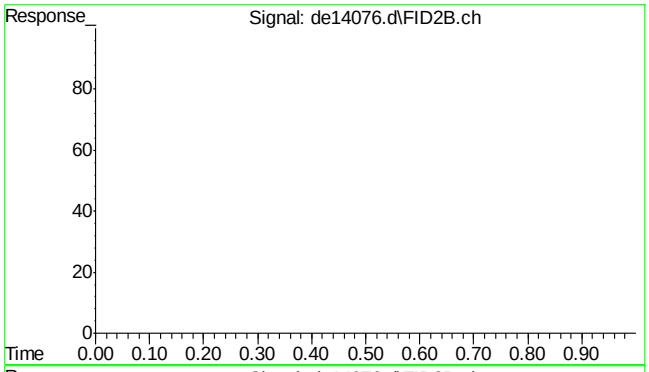
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#43 bht

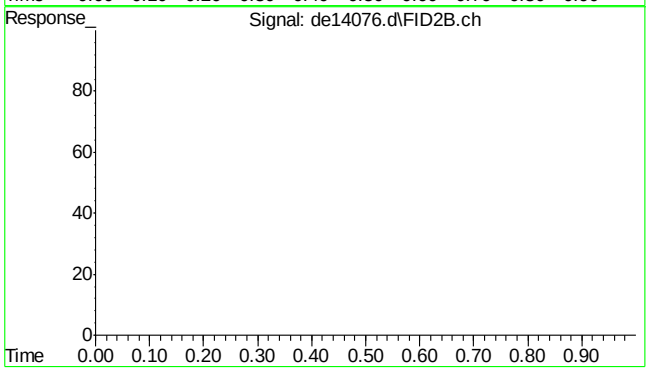
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

SGS ACCUTEST MC45754



#44 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```



#45 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```

9.4.12

9

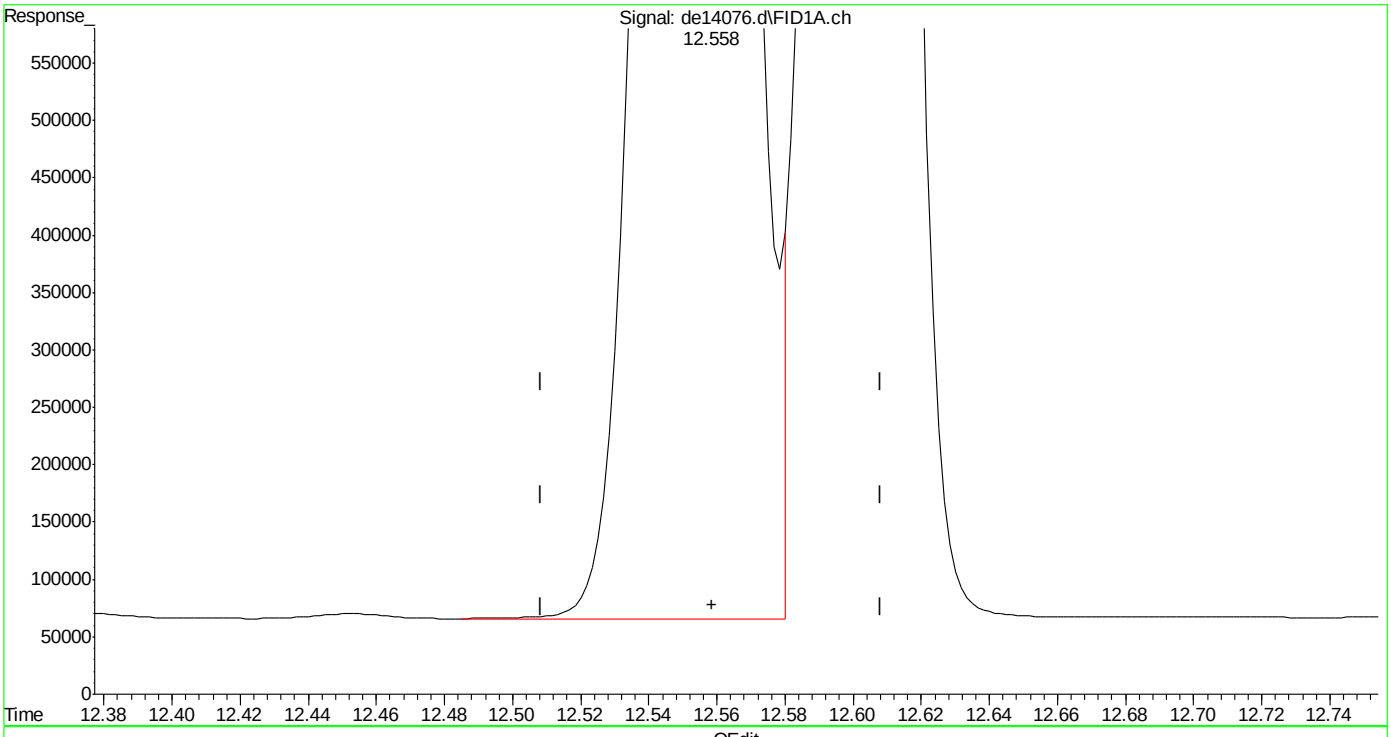
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14076.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:40 pm
Operator : thomasa
Sample : ecc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:11:36 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.558min 56.664 µg/ml
response 5478010

(+) = Expected Retention Time
EPH160510aW.M Wed May 11 08:12:01 2016

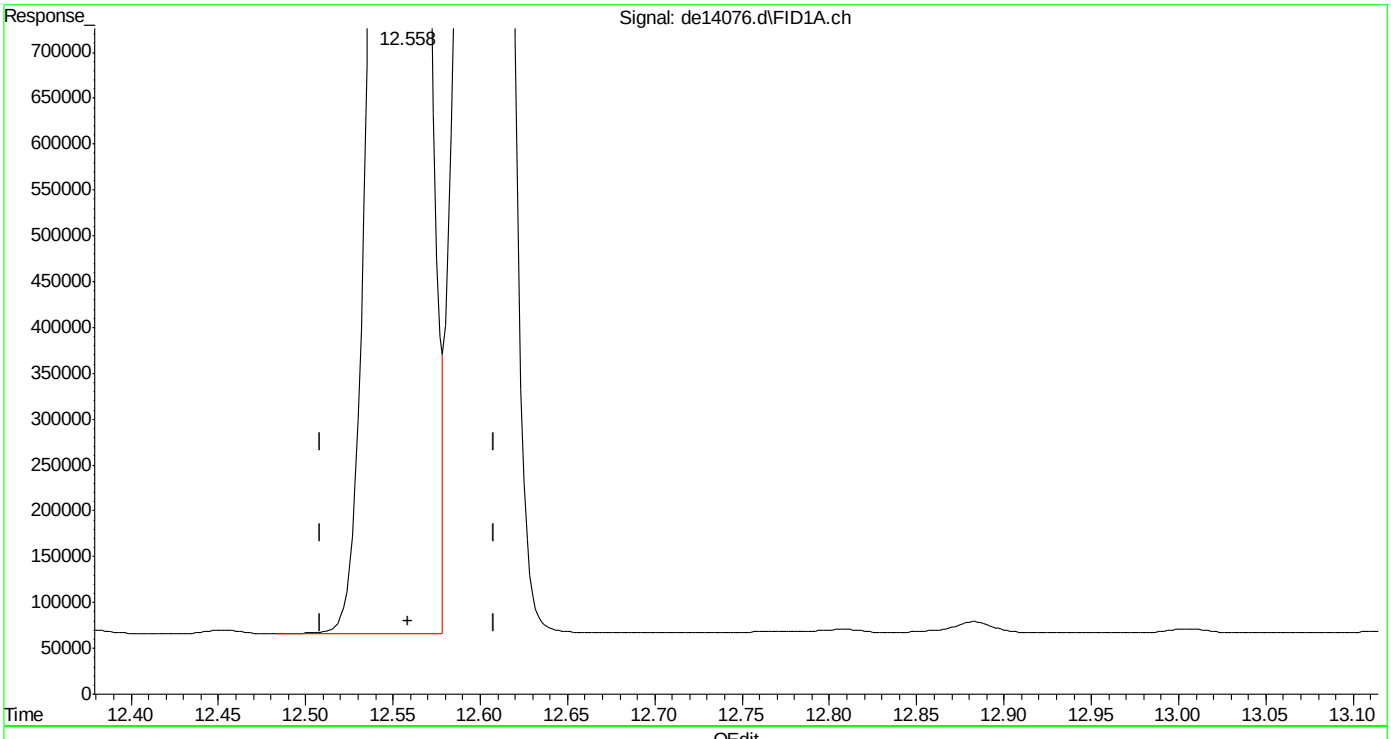
SGS ACCUTEST MC45754

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14076.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:40 pm
Operator : thomasa
Sample : ecc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:11:36 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.558min 56.326 µg/ml m
response 5445357

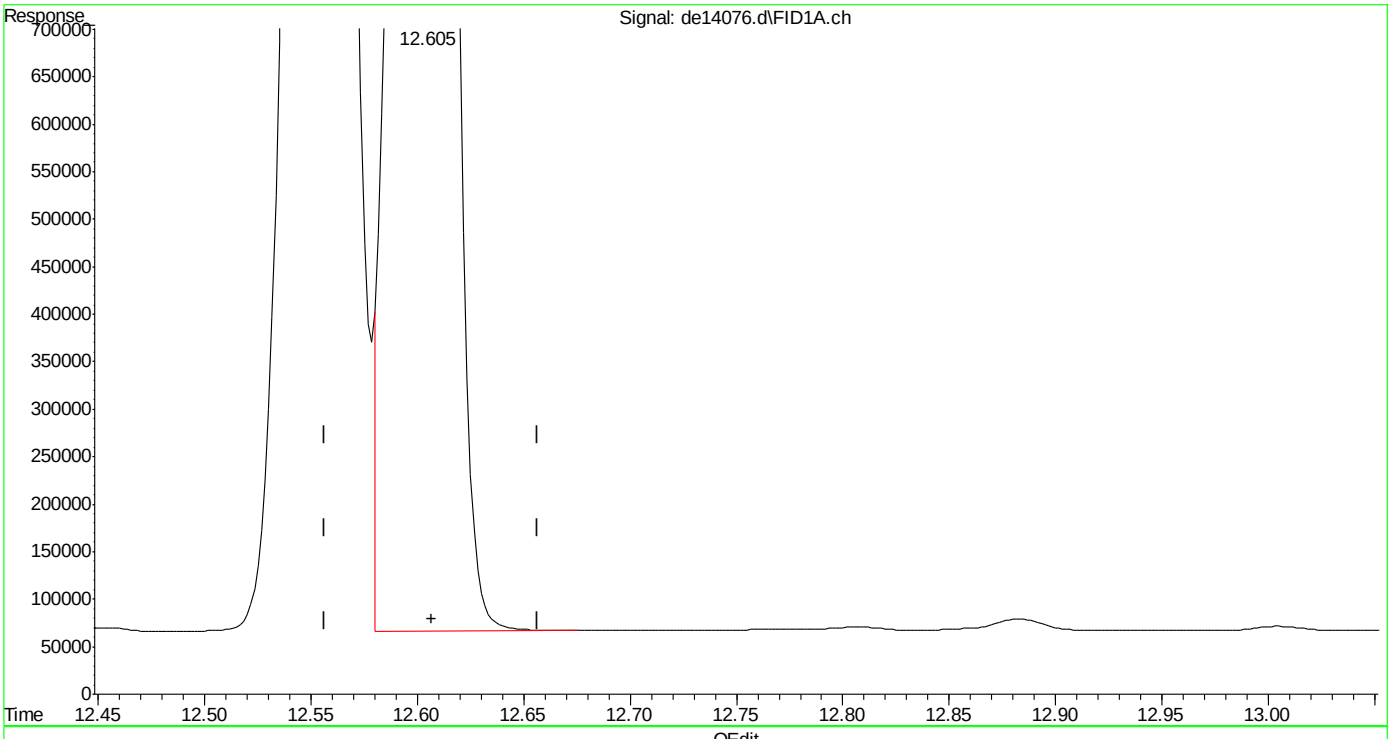
(+) = Expected Retention Time
EPH160510aW.M Wed May 11 08:12:11 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14076.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:40 pm
Operator : thomasa
Sample : ecc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:11:36 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.605min 55.738 µg/ml
response 5425557

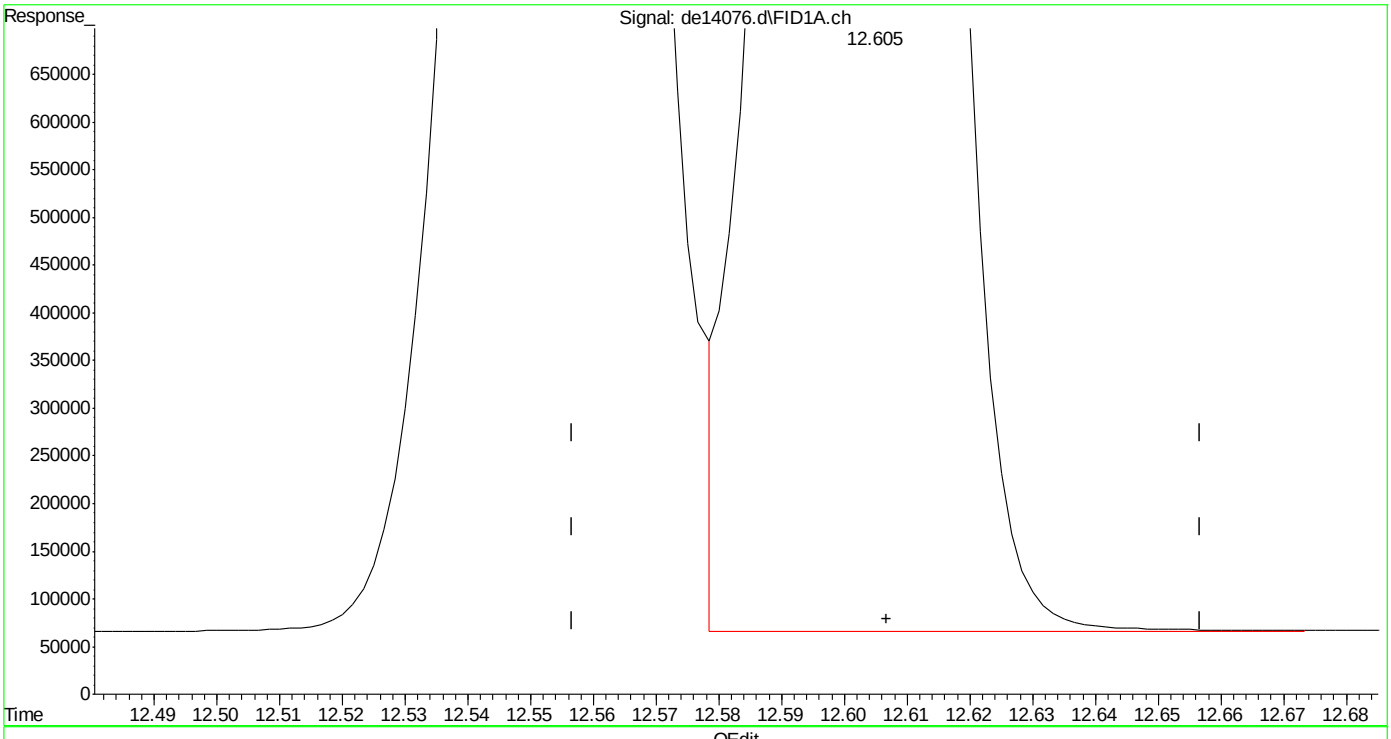
(+) = Expected Retention Time
EPH160510aW.M Wed May 11 08:12:15 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160510aEPH\
Data File : de14076.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 10 May 2016 10:40 pm
Operator : thomasa
Sample : ecc735-50,gde789
Misc : op47259,gde789,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 11 08:11:36 2016
Quant Method : C:\msdchem\1\METHODS\EPH160510aW.M
Quant Title : BMAEPH-working method
QLast Update : Tue May 10 17:25:09 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.605min 56.151 µg/ml m
response 5465766

(+) = Expected Retention Time
EPH160510aW.M Wed May 11 08:12:31 2016

SGS ACCUTEST MC45754

Accutest Laboratories of New England, Inc.

Instrument: GC 32 (GCDE)

GC Analysis Log - Extractables

Run Date: 2-4-16

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc
	see comments	

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:

Sequence File: ~~DE160205EPH.S~~ DE160204EPH.S

Quantitation Methods: ~~(10)~~ TR ~~(EPH160205W.M)~~ EPH160204W.M

Instrument Run Batches: GDE ~~(735)~~ TR 735

Data Acquisition Methods: EPH DCAL W Inj. Vol: 1ml

Inj. Vol:

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments	
~~(1ml)~~ 1/2	DE13190	Primo	N/A	EPH	N/A	N/A	AI:	ARO
1/2	91	IC735-1					G518066	G518059
3/4	92	-2					65	58
5/6	93	-5					64	57
7/8	94	-20					63	56
9/10	95	ICC735-50					62	55
11/12	96	IC735-100					61	54
13/14	97	-200					60	53
15/16	DE 13198	ICV735-50					ICV: GOOD	ARO G518052 / AI: G518009

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: N/A Lot#: N/A

Review:

GC011-01
Date: 02/26/07

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de13198.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	icv735-50

Name	Amount	Response
c-9	49.68	3669865
c-10	49.84	3682081
c-12	49.07	3625160
c-14	48.80	3605226
c-16	47.90	3538485
c-18	47.31	3494684
c-19	51.26	3424371
c-20	50.76	3390870
c-22	49.93	3335369
c-24	49.04	3275936
c-26	48.67	3251556
c-28	47.96	3204302
c-30	47.06	3143578
c-36	43.91	2933493

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	72052	73872	**2.50**	**In Criteria**
C19-C36	64899	66806	**2.90**	**In Criteria**

c28/c20 Percentage: 94.50

1-chlorooctadecane	52.48	2968966
naphthalene #2	50.53	4035939
2-methylnaphthalene	49.08	3954192

BMAEPH - Aliphatic Calibration

Instrument Name GCDE
Operator thomasa

	de13197.d	de13196.d	de13195.d	de13194.d	de13193.d	de13192.d	de13191.d
	200	100	50	20	5	2	1
c-9	13093571	7080731	3541836	1587594	396890	157422	76082
c-10	13149397	7121293	3570776	1597831	401630	158649	77300
c-12	12963152	7047399	3545795	1581613	398273	157764	76748
c-14	12790598	6951061	3516096	1563771	396429	157636	77909
c-16	12583573	6811631	3450251	1537180	389860	156773	78733
c-18	12493898	6758324	3414559	1515877	383929	154646	77956
Total Mass	1200	600	300	120	30	12	6
Total Area	77074189	41770439	21039313	9383866	2367011	942890	464728
RF	64228	69617	70131	78199	78900	78574	77455
Average RF	73872						
% RSD	7.31	**<25%**					
C9 -C18	14774429	**Inserted into 200 ppm level**					
c-19	12406524	6704725	3383527	1500139	381074	151034	78108
c-20	12189358	6591283	3319667	1468089	369620	148378	75638
c-22	12115679	6550653	3288115	1451343	364434	146070	73192
c-24	11324691	6102937	3065680	1351453	339349	135579	69851
c-26	12045195	6486501	3260990	1435543	359561	142920	72850
c-28	11646376	6270223	3155644	1385739	345810	137233	69399
c-30	11593413	6235140	3152151	1377048	345750	139197	74594
c-36	10854654	5572797	2883025	1222680	300895	119416	60516
Total Mass	1600	800	400	160	40	16	8
Total Area	94175890	50514259	25508799	11192034	2806493	1119827	574148
RF	58860	63143	63772	69950	70162	69989	71769
Aerage RF	66806						
% RSD	6.73	**<25%**					
C19-C36	13361285	**Inserted into 200 ppm level**					

Operator thomasa
Instrument Na GCDE

BMAEPH - Aromatic Calibration

	de13197.d 200	de13196.d 100	de13195.d 50	de13194.d 20	de13193.d 5	de13192.d 2	de13191.d 1
naphthalene	19450620	10142634	5345223	2162719	522941	205575	100885
2-methylnaphthalene	19131536	9997868	5287222	2136209	518620	205018	102950
acenaphthylene	18686177	9776029	5189849	2106441	513706	202426	99947
acenaphthene	19311298	10095451	5354326	2170607	524765	207471	101818
fluorene	18917157	9889893	5242546	2130652	515691	204542	100695
phenanthrene	18899419	9875264	5223164	2129143	514273	207031	101800
anthracene	17945874	9378790	4970359	2038508	492058	199105	96242
fluoranthene	18457513	9629565	5079973	2077039	501463	203479	103521
pyrene	18932497	9876553	5123787	2089957	505877	206224	105548
benzo(a)anthracene	17872955	9324427	4883350	2002764	484563	197822	100487
chrysene	18069681	9386529	4951740	2022589	488834	197927	100279
benzo(B)fluoranthene	18893122	9460698	4980192	2094779	499942	197572	100827
benzo(k)fluoranthene	16859064	9345183	4922694	1953249	474469	193855	95833
benzo(a)pyrene	17319408	8964794	4724847	1927552	464216	184685	94743
indeno(1,2,3-cd)pyrene	18670540	9240715	4854725	1948257	472235	186820	94483
dibenzo(ah)anthracene	16610466	8726656	4685536	1933263	466623	185980	92785
benzo(ghi)perylene	17523714	8869696	4705124	1916075	463653	184915	93453
Total Mass (Targets)	3400	1700	850	340	85	34	17
Total Area (Targets)	311551041	161980745	85524657	34839803	8423929	3370447	1686296
RF	91633	95283	100617	102470	99105	99131	99194
Average RF	98205						

% RSD **3.41** **<25%**
C11-C22 Aromatics **19640926** **Insert into 200ppm level**

SGS Accutest, Inc.

Instrument: GC 32 (DE)

GC Analysis Log - Extractables

Run Date: 5·10·16

Analyst Signature:

Standard Data

Lot #	Description	Conc
G515062	Mid CCV	50 g/ml
↓ 0J5	Mid CCV	50 g/ml

Column Information: Front: Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:
Sequence File: DE160510.s
Quantitation Methods: CPH160510w.m

Instrument Run Batches: GDE 788

Data Acquisition Methods: CAT QUAL W Inj. Vol: 1 ml
Inj. Vol:

Date of ICAL: 2-4-16 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
141/142	DE14054	Prime	N/A	MA EPH	N/A	N/A	
141/142	55	CC735-50	↓	↓	↓	↓	OUT
141/142	56	CC735-50	↓	↓	↓	↓	OK (after maint)
1/2	57	OPH7379-BS	OPH7379	(EPH) TPH	W	↓	
3/4	58	↓ -BSD	↓	↓	↓	↓	
5/6	59	↓ -MS	↓	↓	↓	↓	
7/8	60	mc45724-1A	↓	↓	↓	↓	
9/10	61	↓ -2A	↓	↓	↓	↓	
11/12	62	↓ -3A	↓	↓	↓	↓	
141/142	DE14063	CC735-50	N/A	↓	N/A	↓	

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: DW, A Lot#: N/A

GC014-01
Date: 9/15/10

Review:

5.

9.5.2 9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14056.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde788

Name	Amount	Response
c-9	49.56	3661318
c-10	50.12	3702475
c-12	49.88	3684944
c-14	49.57	3661994
c-16	49.13	3628980
c-18	49.33	3644133
c-19	54.01	3608503
c-20	52.89	3533511
c-22	52.56	3511660
c-24	49.14	3282741
c-26	52.09	3480046
c-28	50.24	3356191
c-30	49.95	3337040
c-36	44.86	2997101
1-chlorooctadecane	50.18	2839138
naphthalene #2	49.52	3955547
2-methylnaphthalene	49.01	3948206

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	73279	73872	**0.81**	**In Criteria**
C19-C36	67767	66806	**1.43**	**In Criteria**

c28/c20 Percentage: 94.98

9.5.2

9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14063.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde788

Name	Amount	Response
c-9	51.08	3773266
c-10	51.59	3811323
c-12	51.11	3775653
c-14	50.70	3745247
c-16	50.11	3701893
c-18	50.19	3707817
c-19	55.00	3674376
c-20	54.06	3611655
c-22	53.78	3593125
c-24	50.32	3361835
c-26	53.59	3579925
c-28	51.79	3460129
c-30	51.84	3463514
c-36	47.29	3159586
1-chlorooctadecane	51.42	2909105
naphthalene #2	50.89	4064643
2-methylnaphthalene	50.30	4052706

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	75051	73872	**1.58**	**In Criteria**
C19-C36	69760	66806	**4.33**	**In Criteria**

c28/c20 Percentage: 95.80

9.5.2

9

BMAEPH - BS/BSD Report

Operator thomasa
Instrument Name GCDE
Sample Name op47379-bs

Aromatic Recovery

Name		Amount	Spiked	Recovery	Outside Limits?
naphthalene		15.08	50	60.32	
2-methylnaphthalene		15.48	50	61.90	
2-fluorobiphenyl	s	16.70	40	83.51	
acenaphthylene		16.04	50	64.17	
2-bromonaphthalene	s	15.31	40	76.56	
acenaphthene		18.70	50	74.81	
fluorene		17.07	50	68.27	
phenanthrene		16.73	50	66.91	
anthracene		19.45	50	77.82	
o-terphenyl	s	15.52	40	77.60	
fluoranthene		18.84	50	75.36	
pyrene		18.68	50	74.70	
benzo(a)anthracene		19.35	50	77.40	
chrysene		19.34	50	77.37	
benzo(B)fluoranthene		19.29	50	77.15	
benzo(k)fluoranthene		19.08	50	76.33	
benzo(a)pyrene		19.65	50	78.59	
indeno(1,2,3-cd)pyrene		19.59	50	78.36	
dibenzo(ah)anthracene		19.33	50	77.31	
benzo(ghi)perylene		19.83	50	79.31	

Aliphatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
c-9		11.95	50	47.79	
c-10		14.12	50	56.48	
c-12		15.63	50	62.54	
c-14		15.95	50	63.79	
c-16		16.20	50	64.81	
c-18		17.27	50	69.10	
c-19		19.29	50	77.18	
c-20		19.39	50	77.56	
1-chlorooctadecane	s	10.10	40	50.48	
c-22		19.68	50	78.71	
c-24		19.52	50	78.06	
c-26		19.17	50	76.67	
c-28		18.88	50	75.50	
c-30		18.54	50	74.15	
c-36		15.07	50	60.30	

Recovery C9-C18
60.75

Recovery C19-C36
74.77

naphthalene #2	0.05	**Naphthalene Breakthrough**	**2-Methylnaphthalene Breakthrough**
2-methylnaphthalene #2	0.05	0.36	0.34

BMAEPH - BS/BSD Report

Operator thomasa
Instrument Name GCDE
Sample Name op47379-bsd

Aromatic Recovery

Name		Amount	Spiked	Recovery	Outside Limits?
naphthalene		17.58	50	70.32	
2-methylnaphthalene		18.20	50	72.80	
2-fluorobiphenyl	s	22.92	40	114.62	
acenaphthylene		18.72	50	74.89	
2-bromonaphthalene	s	20.98	40	104.90	
acenaphthene		20.34	50	81.34	
fluorene		20.44	50	81.75	
phenanthrene		21.70	50	86.79	
anthracene		25.41	50	101.65	
o-terphenyl	s	20.68	40	103.41	
fluoranthene		25.11	50	100.44	
pyrene		25.06	50	100.23	
benzo(a)anthracene		26.51	50	106.03	
chrysene		25.99	50	103.97	
benzo(B)fluoranthene		27.59	50	110.36	
benzo(k)fluoranthene		24.17	50	96.68	
benzo(a)pyrene		26.53	50	106.12	
indeno(1,2,3-cd)pyrene		25.91	50	103.65	
dibenzo(ah)anthracene		26.60	50	106.41	
benzo(ghi)perylene		26.71	50	106.85	

Aliphatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
c-9		8.73	50	34.91	
c-10		10.50	50	42.00	
c-12		11.64	50	46.57	
c-14		12.00	50	48.01	
c-16		12.92	50	51.68	
c-18		14.74	50	58.95	
c-19		16.71	50	66.83	
c-20		16.88	50	67.52	
1-chlorooctadecane	s	11.52	40	57.60	
c-22		17.16	50	68.66	
c-24		16.98	50	67.93	
c-26		16.64	50	66.57	
c-28		16.43	50	65.71	
c-30		16.22	50	64.88	
c-36		14.65	50	58.58	

Recovery C9-C18
47.02

Recovery C19-C36
65.84

naphthalene #2	0.06	**Naphthalene Breakthrough**	**2-Methylnaphthalene Breakthrough**
2-methylnaphthalene #2	0.06	0.36	0.34

SGS Accutest, Inc.

Instrument: GC 32 (DE)

GC Analysis Log - Extractables

Run Date: 5-10-16 (A)

Analyst Signature:

Standard Data

Lot #	Description	Conc
GS15CC2	All CCV	50 ug/ml
L 035	ARO CCV	50 ug/ml

Column Information: Front: Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:

Sequence File: DE160510a.S

Quantitation Methods: EPH160510aW.m

Instrument Run Batches: GDE 789

Data Acquisition Methods: EPH DUAL W Inj. Vol: 1ul
Inj. Vol:

Date of ICAL: 2-4-16 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
141/142	DE14064	Prime	N/A	MA EPH	N/A	N/A	
141/142	65	CC735-50 (CC1164)	↓		↓		ok
1/2	66	mc45745-1	0P47379 (~~0P47379~~)		W		
3/4	67	-2	0P47379				
5/6	68	-3					
7/8	69	-4					
9/10	70	mc45754-1A					
11/12	71	-2A					
13/14	72	-3A					
15/16	73	-4A					
17/18	74	-5A					
19/20	75	-6A					
141/142	DE14076	CCC735-50	N/A		N/A		ok

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: N/A Lot#: N/A

GC014-01
Date: 9/15/10

Review:

6

9.5.3

9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14065.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde789

Name	Amount	Response
c-9	55.28	4083827
c-10	55.80	4122373
c-12	55.18	4076173
c-14	54.77	4045820
c-16	54.17	4001672
c-18	54.24	4006813
c-19	59.53	3976692
c-20	58.38	3900460
c-22	58.00	3874501
c-24	54.17	3618673
c-26	57.50	3841296
c-28	55.25	3691344
c-30	55.06	3678471
c-36	48.83	3262464

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	81122	73872	**9.36**	**In Criteria**
C19-C36	74610	66806	**11.04**	**In Criteria**

c28/c20 Percentage: 94.64

1-chlorooctadecane	55.53	3141449
naphthalene #2	54.93	4387002
2-methylnaphthalene	54.31	4375669

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14076.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	ecc735-50,gde789

Name	Amount	Response
c-9	56.17	4149565
c-10	56.50	4173551
c-12	55.81	4122804
c-14	55.28	4083979
c-16	54.49	4025344
c-18	54.34	4014253
c-19	59.48	3973940
c-20	58.23	3889978
c-22	57.66	3852288
c-24	53.69	3586678
c-26	56.81	3795333
c-28	54.53	3642803
c-30	54.21	3621290
c-36	48.46	3237741
1-chlorooctadecane	55.32	3129947
naphthalene #2	55.54	4436261
2-methylnaphthalene	54.84	4418644

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	81898	73872	**10.31**	**In Criteria**
C19-C36	74000	66806	**10.22**	**In Criteria**

c28/c20 Percentage: 93.65

9.5.3

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SGS ACCUTEST

Extraction Log - Aqueous

Analysis Method: BHAEPHR, BHAEPH

Date Started: _____ **Time Started:** _____

Date Finished: _____ **Time Finished:** _____

Extraction Method (Check one):

Sep. Funnel SW3510C ✓

Waste Dilution SW3580A _____ MSE EPA 3511 _____

pH paper lot# 216814 Equipment ID Used _____

Spike ID	Lot #	Conc. (ug/ml)	Vol. (ul)
EPH	7653	200	250

Surrogate	Lot #	Conc. (ug/ml)	Vol. (ul)
EPH	7483	2000	20
FMC	107661	40	1ml

	Sample #	Sample Bottle #	Acid pH	Base pH	Sample Description	Sample Initial Volume (mL)	Final Extract Final Volume (mL)	Comments
	OP47379 - MB	N/A	2	N/A	DI Water	1000	2.0	
	BS							
	BSD							
	MS							
	MSD							
1	MC45724-1A	5	2	N/A	GW	880	2.0	
2	-2A	4				980		
3	-3A	5				880		
4	MC45745-1	9				1055		
5	-2	4				1055		
6	-3	9				1060		
7	-4	4				1050		
8	MC45754-1A	4	2	N/A	GW	920		TACE 5/6/16 20:00 IC
9	-2A	4				880		
10	-3A	5			WEB	970		
11	-4A	5			GW	880		
12	-5A	5				970		
13	-6A	4				880		
14								
15								
16								
17								
18								
19								
20								

Comments:

Witness Initials: FT

Supervisor Approval:

Clean up Methods: Check
Copper: 3660B
Silica: 3630
Florisil: 3620
Acid: 3665

BATCH # OP42379	INITIALS	DATE	TIME
Extracted by:	IC	5/5/16	21:30
Spike Witness:	FT	↓	↓
Concentrated by:	PA	5/10/16	
Fractionated by:	↓	Volume (ml):	12.5
Received by:	~~FT~~	5/10/16	12:50

Tray # X-1

Equipment/ Range	ID	Temp (°C)	Press/Flow
Buchi (55-71 °C)			
Waterbath Temp °C	09032, 0E2	75/80	
NEVAP (32-38 °C)	04005	38/40	
Chiller			
Balance		N/A	N/A

SOLVENT	LOT #	BRAND	AMT
1:1 HEXANE/		Fisher	
ACETONE		Fisher	
1:1 METH CHLOR/		Fisher	
ACETONE		Fisher	
HEXANE Only	162040	Fisher	
ETHER		Fisher	
ACETONITRILE		Fisher	
ACETONE		Fisher	
DCM	162489	Fisher	

REAGENT	LOT #	BRAND
SPE MFG		
SILICA GEL	30 62895	Restek
SODIUM SULFATE	D-019	FISHER
FILTER PAPER	9668411	↓
COPPER		
FLORISIL		
SULFURIC ACID		
HYDROMATRIX		
SAND		

Filtered by:	Init./Date:	
HCl	4115020	FISHER

SGS ACCUTEST - MARLBOROUGH
Form: OP018-02
Rev Date: 2/23/16

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