



SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: REMI02
Lab Code: CHEM CASE No.: 02505 SAS No.: 02505 SDG No.: 02505
Run Number: FC050323AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WO-5	81			0
B-21-SB02MS	87			0
B-21-SB02MSD	89			0
PB152543BS	120			0
PB152543BSD	104			0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out



SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: REMI02
Lab Code: CHEM CASE No.: O2505 SAS No.: O2505 SDG No.: O2505
Run Number: FC050423AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WO-5DL	103			0
WO-5DL2	0 *			1
PB152543BL	96			0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out



SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH

Contract: REMI02

Lab Code: CHEM

CASE No.: O2505

SAS No.: O2505

SDG No.: O2505

Run Number: FD050323AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WO-5	108	100	73	0
B-21-SB02MS	98	97	67	0
B-21-SB02MSD	97	97	66	0
PB152543BS	88	86	72	0
PB152543BSD	95	95	79	0

QC LIMITS

2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out



SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECHContract: REMI02

Lab Code: CHEMCASE No.: O2505SAS No.: O2505SDG No.: O2505

Run Number: FD050423AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WO-5DL	126	110	89	0
WO-5DL2	0 *	0 *	0 *	3
PB152543BL	103	102	115	0

QC LIMITS

2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out



SOIL EPH SURROGATE RECOVERY

QC LIMITS

2-Bromonaphthalene (SURRE)	(40-140)
2-Fluorobiphenyl (SURRE)	(40-140)
ortho-Terphenyl (SURRE)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out



SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Client: Remington & Vernick Engineers
Lab Code: CHEM Cas No: O2505 SAS No : O2505 SDG No: O2505
Sample No : O2567-02MS Datafile: FC063538.D
Client ID : B-21-SB02MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.3	0	6.89	61		(40-140)
Aliphatic C12-C16	7.5	0	6.05	80		(40-140)
Aliphatic C16-C21	11.3	0.43	10.5	89		(40-140)
Aliphatic C21-C28	15.1	0	13.9	92		(40-140)
Aliphatic C28-C40	22.6	0	17.7	78		(40-140)



SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Client: Remington & Vernick Engineers
Lab Code: CHEM Cas No: O2505 SAS No : O2505 SDG No: O2505
Sample No : O2567-02MS Datafile: FD045573.D
Client ID : B-21-SB02MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.5	0	5.48	73		(40-140)
Aromatic C12-C16	11.3	0	9.72	86		(40-140)
Aromatic C16-C21	18.8	0	19.1	101		(40-140)
Aromatic C21-C36	30.1	1.37	28.7	91		(40-140)



SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Client: Remington & Vernick Engineers
Lab Code: CHEM Cas No: O2505 SAS No : O2505 SDG No: O2505
Sample No : O2567-02MSD Datafile: FC063539.D
Client ID : B-21-SB02MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aliphatic C9-C12	11.3	0	6.87	61		0.33 (40-140) 25
Aliphatic C12-C16	7.5	0	6.04	80		0.13 (40-140) 25
Aliphatic C16-C21	11.3	0.43	10.5	89		0.11 (40-140) 25
Aliphatic C21-C28	15.1	0	13.9	92		0 (40-140) 25
Aliphatic C28-C40	22.6	0	18.8	83		6.19 (40-140) 25



SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Client: Remington & Vernick Engineers

Lab Code: CHEM Cas No: O2505 SAS No : O2505 SDG No: O2505

Sample No : O2567-02MSD Datafile: FD045574.D

Client ID : B-21-SB02MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aromatic C10-C12	7.5	0	5.40	72		1.52 (40-140) 25
Aromatic C12-C16	11.3	0	9.66	86		0.47 (40-140) 25
Aromatic C16-C21	18.8	0	19.2	102		0.99 (40-140) 25
Aromatic C21-C36	30.1	1.37	29.6	94		3.36 (40-140) 25



SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

Remington & Vernick Engineers

Lab Code:

CHEM

Cas No:

O2505

SAS No :

O2505

SDG No:

O2505

Sample No :

PB152543BS

Datafile:

FC063533.D

Client ID :

PB152543BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	7.05	70		(40-140)
Aliphatic C12-C16	6.7	6.88	103		(40-140)
Aliphatic C16-C21	10	11.6	116		(40-140)
Aliphatic C21-C28	13.3	15.5	116		(40-140)
Aliphatic C28-C40	20.0	19.6	98		(40-140)



SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

Remington & Vernick Engineers

Lab Code:

CHEM

Cas No:

O2505

SAS No :

O2505

SDG No:

O2505

Sample No :

PB152543BS

Datafile:

FD045568.D

Client ID :

PB152543BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.97	60		(40-140)
Aromatic C12-C16	10	7.34	73		(40-140)
Aromatic C16-C21	16.7	14.0	84		(40-140)
Aromatic C21-C36	26.6	19.5	73		(40-140)



SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

Remington & Vernick Engineers

Lab Code:

CHEM

Cas No:

O2505

SAS No :

O2505

SDG No:

O2505

Sample No :

PB152543BSD

Datafile:

FC063534.D

Client ID :

PB152543BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	7.01	70		0.469 (40-140)	50
Aliphatic C12-C16	6.7	6.82	102		0.582 (40-140)	50
Aliphatic C16-C21	10	11.6	116		0.09 (40-140)	50
Aliphatic C21-C28	13.3	15.6	117		0.95 (40-140)	50
Aliphatic C28-C40	20.0	20.9	104		6.4 (40-140)	50



SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

Remington & Vernick Engineers

Lab Code:

CHEM

Cas No:

O2505

SAS No :

O2505

SDG No:

O2505

Sample No :

PB152543BSD

Datafile:

FD045569.D

Client ID :

PB152543BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.30	65		8 (40-140)	50
Aromatic C12-C16	10	7.99	80		8.6 (40-140)	50
Aromatic C16-C21	16.7	15.4	92		9.5 (40-140)	50
Aromatic C21-C36	26.6	22.3	84		13 (40-140)	50



4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB152543BL

Lab Name: CHEMTECH

Contract: REMI02

Lab Code: CHEM Case No.: O2505

SAS No.: O2505 SDG NO.: O2505

Instrument ID: FID_C

Lab Sample ID: PB152543BL

Matrix: (soil/water) Solid

Date Extracted: 5/3/2023 8:40:00 AM

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID
PB152543BS	PB152543BS
PB152543BSD	PB152543BSD
WO-5	O2505-08
B-21-SB02MS	O2567-02MS
B-21-SB02MSD	O2567-02MSD

COMMENTS: _____



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID: O2505
Client: Remington & Vernick Engineers
Contact: Justin Zarzecki

OrderDate: 4/26/2023 11:28:25 AM
Project: 169 Bridgeton Pike Mullica Hill, NJ # 0800X062
Location: M11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
02505-01	WO-1	Solid	EPH_NF	NJEPH	04/25/23	04/27/23	04/28/23	04/26/23
02505-02	WO-2	Solid	EPH_NF	NJEPH	04/25/23	04/27/23	04/28/23	04/26/23
02505-03	WO-3	Solid	EPH_NF	NJEPH	04/25/23	04/27/23	04/28/23	04/26/23
			EPH_NF	NJEPH		04/27/23	05/01/23	
02505-04	WO-4	Solid	EPH_NF	NJEPH	04/25/23	04/27/23	04/28/23	04/26/23
			EPH_NF	NJEPH		04/27/23	05/01/23	
02505-05	WO-5	Solid	EPH_NF	NJEPH	04/25/23	04/27/23	04/28/23	04/26/23
			EPH_NF	NJEPH		04/27/23	05/01/23	
02505-06	WO-6	Solid	EPH_NF	NJEPH	04/25/23	04/27/23	04/28/23	04/26/23
			EPH_NF	NJEPH		04/27/23	05/01/23	
02505-08	WO-5	Solid	EPH	NJEPH	04/25/23	05/03/23	05/03/23	04/26/23
			EPH	NJEPH		05/03/23	05/04/23	



Manual Integration Report

Sequence:

FC050223AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:

FC050323AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
O2505-08	FC063540.D	1-chlorooctadecane (SURRE)	yogesh	5/4/2023 8:10:55 AM	Ankita	5/4/2023 8:33:41	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC063542.D	n-Hexatriacontane (C36)	yogesh	5/4/2023 8:10:56 AM	Ankita	5/4/2023 8:33:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC063542.D	n-Tetratriacontane (C34)	yogesh	5/4/2023 8:10:56 AM	Ankita	5/4/2023 8:33:42	Peak Integrated by Software



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Manual Integration Report

Sequence:

FC050423AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC063545.D	n-Octatriacontane (C38)	yogesh	5/5/2023 8:35:30 AM	Ankita	5/5/2023 9:27:42	Peak Integrated by Software
O2500-17	FC063547.D	1-chlorooctadecane (SURRE)	yogesh	5/5/2023 8:35:32 AM	Ankita	5/5/2023 9:27:43	Peak Integrated by Software
O2500-17	FC063547.D	ortho-Terphenyl (SURRE)	yogesh	5/5/2023 8:35:32 AM	Ankita	5/5/2023 9:27:43	Peak Integrated by Software
O2500-17DL	FC063548.D	ortho-Terphenyl (SURRE)	yogesh	5/5/2023 8:35:44 AM	Ankita	5/5/2023 9:27:45	Peak Integrated by Software
O2500-17DL2	FC063549.D	1-chlorooctadecane (SURRE)	yogesh	5/5/2023 8:35:34 AM	Ankita	5/5/2023 9:27:46	Peak Integrated by Software
O2500-17DL2	FC063549.D	ortho-Terphenyl (SURRE)	yogesh	5/5/2023 8:35:34 AM	Ankita	5/5/2023 9:27:46	Peak Integrated by Software
O2505-08DL	FC063557.D	1-chlorooctadecane (SURRE)	yogesh	5/5/2023 8:35:35 AM	Ankita	5/5/2023 9:27:48	Peak Integrated by Software



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Manual Integration Report

Sequence:

FD042123AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD045518.D	Bnezo[k]fluoranthene (C30.14)	yogesh	4/24/2023 9:07:56 AM	Ankita	4/24/2023 11:19:50	Peak Integrated by Software
100 PPM AROMATIC HC	FD045518.D	Dibenz[a,h]anthracene (C30.36)	yogesh	4/24/2023 9:07:56 AM	Ankita	4/24/2023 11:19:50	Peak Integrated by Software



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Manual Integration Report

Sequence:

FD050323AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
O2505-08	FD045575.D	ortho-Terphenyl (SURR)	yogesh	5/4/2023 8:11:02 AM	Ankita	5/4/2023 8:33:29	Peak Integrated by Software
20 PPM AROMATIC HC	FD045577.D	Dibenz[a,h]anthracene (C30.36)	yogesh	5/4/2023 8:11:03 AM	Ankita	5/4/2023 8:33:30	Peak Integrated by Software
20 PPM AROMATIC HC	FD045577.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	5/4/2023 8:11:03 AM	Ankita	5/4/2023 8:33:30	Peak Integrated by Software



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Manual Integration Report

Sequence:

FD050423AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
O2500-17	FD045582.D	2-Bromonaphthalene (SURRE)	yogesh	5/5/2023 8:36:01 AM	Ankita	5/5/2023 9:28:05	Peak Integrated by Software
O2500-17	FD045582.D	2-Fluorobiphenyl (SURRE)	yogesh	5/5/2023 8:36:01 AM	Ankita	5/5/2023 9:28:05	Peak Integrated by Software
O2500-17	FD045582.D	ortho-Terphenyl (SURRE)	yogesh	5/5/2023 8:36:01 AM	Ankita	5/5/2023 9:28:05	Peak Integrated by Software
O2500-17DL	FD045583.D	2-Bromonaphthalene (SURRE)	yogesh	5/5/2023 8:36:03 AM	Ankita	5/5/2023 9:28:06	Peak Integrated by Software
O2500-17DL	FD045583.D	2-Fluorobiphenyl (SURRE)	yogesh	5/5/2023 8:36:03 AM	Ankita	5/5/2023 9:28:06	Peak Integrated by Software
O2500-17DL	FD045583.D	ortho-Terphenyl (SURRE)	yogesh	5/5/2023 8:36:03 AM	Ankita	5/5/2023 9:28:06	Peak Integrated by Software
O2500-17DL2	FD045584.D	2-Bromonaphthalene (SURRE)	yogesh	5/5/2023 8:36:04 AM	Ankita	5/5/2023 9:28:08	Peak Integrated by Software
O2500-17DL2	FD045584.D	2-Fluorobiphenyl (SURRE)	yogesh	5/5/2023 8:36:04 AM	Ankita	5/5/2023 9:28:08	Peak Integrated by Software
O2500-17DL2	FD045584.D	ortho-Terphenyl (SURRE)	yogesh	5/5/2023 8:36:04 AM	Ankita	5/5/2023 9:28:08	Peak Integrated by Software
O2505-08DL	FD045591.D	2-Fluorobiphenyl (SURRE)	yogesh	5/5/2023 8:36:06 AM	Ankita	5/5/2023 9:28:10	Peak Integrated by Software
O2505-08DL	FD045591.D	ortho-Terphenyl (SURRE)	yogesh	5/5/2023 8:36:06 AM	Ankita	5/5/2023 9:28:10	Peak Integrated by Software



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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050223AL

Review By	yogesh	Review On	5/2/2023 3:45:04 PM
Supervise By	Ankita	Supervise On	5/3/2023 8:44:15 AM
SubDirectory	FC050223AL	HP Acquire Method	HP Processing Method FC050223AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP21954,PP21956,PP21957,PP21958,PP21959		
CCC	PP21957		
Internal Standard/PEM			
ICV/I.BLK	PP21955,PP21960		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC063519.D	02 May 2023 15:36	YP/AJ	Ok
2	I.BLK	FC063520.D	02 May 2023 16:14	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC063521.D	02 May 2023 16:52	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC063522.D	02 May 2023 18:09	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC063523.D	02 May 2023 18:47	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC063524.D	02 May 2023 19:25	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC063525.D	02 May 2023 20:03	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC063526.D	02 May 2023 21:59	YP/AJ	Ok
9	I.BLK	FC063527.D	02 May 2023 22:36	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC063528.D	02 May 2023 23:52	YP/AJ	Ok

M : Manual Integration



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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050323AL

Review By	yogesh	Review On	5/3/2023 3:16:07 PM
Supervise By	Ankita	Supervise On	5/4/2023 8:33:46 AM
SubDirectory	FC050323AL	HP Acquire Method	HP Processing Method FC050223AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP21954,PP21956,PP21957,PP21958,PP21959		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP21957 PP21955,PP21960		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC063529.D	03 May 2023 08:14	YP/AJ	Ok
2	I.BLK	FC063530.D	03 May 2023 08:52	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC063531.D	03 May 2023 14:59	YP/AJ	Ok
4	PB152543BL	FC063532.D	03 May 2023 17:34	YP/AJ	Ok
5	PB152543BS	FC063533.D	03 May 2023 18:14	YP/AJ	Ok
6	PB152543BSD	FC063534.D	03 May 2023 18:53	YP/AJ	Ok
7	O2567-01	FC063535.D	03 May 2023 19:31	YP/AJ	Ok
8	O2567-02	FC063536.D	03 May 2023 20:10	YP/AJ	Ok
9	O2567-02D	FC063537.D	03 May 2023 20:48	YP/AJ	Ok
10	O2567-02MS	FC063538.D	03 May 2023 21:26	YP/AJ	Ok
11	O2567-02MSD	FC063539.D	03 May 2023 22:04	YP/AJ	Ok
12	O2505-08	FC063540.D	03 May 2023 22:42	YP/AJ	Dilution
13	I.BLK	FC063541.D	04 May 2023 01:14	YP/AJ	Ok
14	20 PPM ALIPHATIC HC STD	FC063542.D	04 May 2023 02:57	YP/AJ	Ok,M

M : Manual Integration



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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050423AL

Review By	yogesh	Review On	5/4/2023 9:58:53 AM
Supervise By	Ankita	Supervise On	5/5/2023 9:27:56 AM
SubDirectory	FC050423AL	HP Acquire Method	HP Processing Method FC050223AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP21954,PP21956,PP21957,PP21958,PP21959		
CCC	PP21957		
Internal Standard/PEM	PP21955,PP21960		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC063543.D	04 May 2023 07:59	YP/AJ	Ok
2	I.BLK	FC063544.D	04 May 2023 08:36	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC063545.D	04 May 2023 09:15	YP/AJ	Ok,M
4	PB152543BL	FC063546.D	04 May 2023 09:53	YP/AJ	Ok
5	O2500-17	FC063547.D	04 May 2023 10:32	YP/AJ	Dilution
6	O2500-17DL	FC063548.D	04 May 2023 11:19	YP/AJ	Dilution
7	O2500-17DL2	FC063549.D	04 May 2023 11:57	YP/AJ	Dilution
8	O2500-17DL3	FC063550.D	04 May 2023 12:35	YP/AJ	Ok
9	I.BLK	FC063551.D	04 May 2023 13:13	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC063552.D	04 May 2023 14:30	YP/AJ	Ok
11	PB152571BL	FC063553.D	04 May 2023 15:13	YP/AJ	Ok
12	PB152571BS	FC063554.D	04 May 2023 15:51	YP/AJ	Ok
13	PB152571BSD	FC063555.D	04 May 2023 16:30	YP/AJ	Ok
14	O2567-03	FC063556.D	04 May 2023 17:09	YP/AJ	Ok
15	O2505-08DL	FC063557.D	04 May 2023 17:47	YP/AJ	Dilution
16	O2505-08DL2	FC063558.D	04 May 2023 18:25	YP/AJ	Ok
17	I.BLK	FC063559.D	04 May 2023 19:04	YP/AJ	Ok
18	20 PPM ALIPHATIC HC STD	FC063560.D	04 May 2023 20:20	YP/AJ	Ok

M : Manual Integration



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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD042123AR

Review By	yogesh	Review On	4/21/2023 3:16:24 PM
Supervise By	Ankita	Supervise On	4/24/2023 11:20:05 AM
SubDirectory	FD042123AR	HP Acquire Method	HP Processing Method FD042123AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP21759,PP21858,PP21859,PP21860,PP21861		
CCC	PP21762,PP21859		
Internal Standard/PEM			
ICV/I.BLK	PP21760,PP21862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD045516.D	21 Apr 2023 13:39	YP/AJ	Ok
2	I.BLK	FD045517.D	21 Apr 2023 14:18	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD045518.D	21 Apr 2023 15:37	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD045519.D	21 Apr 2023 16:17	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD045520.D	21 Apr 2023 16:57	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD045521.D	21 Apr 2023 18:17	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD045522.D	21 Apr 2023 18:57	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD045523.D	21 Apr 2023 20:15	YP/AJ	Ok
9	I.BLK	FD045524.D	21 Apr 2023 21:32	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD045525.D	21 Apr 2023 22:49	YP/AJ	Ok

M : Manual Integration



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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050323AR

Review By	yogesh	Review On	5/3/2023 3:17:07 PM
Supervise By	Ankita	Supervise On	5/4/2023 8:33:34 AM
SubDirectory	FD050323AR	HP Acquire Method	HP Processing Method FD042123AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP21759,PP21858,PP21859,PP21860,PP21861		
CCC	PP21762,PP21859		
Internal Standard/PEM			
ICV/I.BLK	PP21760,PP21862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	MECL2	FD045564.D	03 May 2023 08:14	YP/AJ	Ok
2	I.BLK	FD045565.D	03 May 2023 08:52	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD045566.D	03 May 2023 14:59	YP/AJ	Ok
4	PB152543BL	FD045567.D	03 May 2023 17:34	YP/AJ	Ok
5	PB152543BS	FD045568.D	03 May 2023 18:14	YP/AJ	Ok
6	PB152543BSD	FD045569.D	03 May 2023 18:53	YP/AJ	Ok
7	O2567-01	FD045570.D	03 May 2023 19:31	YP/AJ	Ok
8	O2567-02	FD045571.D	03 May 2023 20:10	YP/AJ	Ok
9	O2567-02D	FD045572.D	03 May 2023 20:48	YP/AJ	Ok
10	O2567-02MS	FD045573.D	03 May 2023 21:26	YP/AJ	Ok
11	O2567-02MSD	FD045574.D	03 May 2023 22:04	YP/AJ	Ok
12	O2505-08	FD045575.D	03 May 2023 22:42	YP/AJ	Dilution
13	I.BLK	FD045576.D	04 May 2023 01:14	YP/AJ	Ok
14	20 PPM AROMATIC HC STD	FD045577.D	04 May 2023 02:57	YP/AJ	Ok,M

M : Manual Integration



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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050423AR

Review By	yogesh	Review On	5/4/2023 9:59:48 AM
Supervise By	Ankita	Supervise On	5/5/2023 9:28:15 AM
SubDirectory	FD050423AR	HP Acquire Method	HP Processing Method FD042123AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP21759,PP21858,PP21859,PP21860,PP21861		
CCC	PP21762,PP21859		
Internal Standard/PEM			
ICV/I.BLK	PP21760,PP21862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	MECL2	FD045578.D	04 May 2023 07:59	YP/AJ	Ok
2	I.BLK	FD045579.D	04 May 2023 08:36	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD045580.D	04 May 2023 09:15	YP/AJ	Ok
4	PB152543BL	FD045581.D	04 May 2023 09:53	YP/AJ	Ok
5	O2500-17	FD045582.D	04 May 2023 10:32	YP/AJ	Dilution
6	O2500-17DL	FD045583.D	04 May 2023 11:19	YP/AJ	Dilution
7	O2500-17DL2	FD045584.D	04 May 2023 11:57	YP/AJ	Ok,M
8	I.BLK	FD045585.D	04 May 2023 12:35	YP/AJ	Ok
9	20 PPM AROMATIC HC STD	FD045586.D	04 May 2023 13:52	YP/AJ	Ok
10	PB152571BL	FD045587.D	04 May 2023 15:13	YP/AJ	Ok
11	PB152571BS	FD045588.D	04 May 2023 15:51	YP/AJ	Ok
12	PB152571BSD	FD045589.D	04 May 2023 16:30	YP/AJ	Ok
13	O2567-03	FD045590.D	04 May 2023 17:09	YP/AJ	Ok
14	O2505-08DL	FD045591.D	04 May 2023 17:47	YP/AJ	Dilution
15	O2505-08DL2	FD045592.D	04 May 2023 18:25	YP/AJ	Ok
16	I.BLK	FD045593.D	04 May 2023 19:04	YP/AJ	Ok
17	20 PPM AROMATIC HC STD	FD045594.D	04 May 2023 19:42	YP/AJ	Ok

M : Manual Integration



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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050223AL

Review By	yogesh	Review On	5/2/2023 3:45:04 PM				
Supervise By	Ankita	Supervise On	5/3/2023 8:44:15 AM				
SubDirectory	FC050223AL	HP Acquire Method	HP Processing Method		FC050223AL		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		PP21954,PP21956,PP21957,PP21958,PP21959					
CCC		PP21957					
Internal Standard/PEM		PP21955,PP21960					
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC063519.D	02 May 2023 15:36		YP/AJ	Ok
2	I.BLK	I.BLK	FC063520.D	02 May 2023 16:14		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC063521.D	02 May 2023 16:52		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC063522.D	02 May 2023 18:09		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC063523.D	02 May 2023 18:47		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC063524.D	02 May 2023 19:25		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC063525.D	02 May 2023 20:03		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC063526.D	02 May 2023 21:59		YP/AJ	Ok
9	I.BLK	I.BLK	FC063527.D	02 May 2023 22:36		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC063528.D	02 May 2023 23:52		YP/AJ	Ok

M : Manual Integration



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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050323AL

Review By	yogesh	Review On	5/3/2023 3:16:07 PM				
Supervise By	Ankita	Supervise On	5/4/2023 8:33:46 AM				
SubDirectory	FC050323AL	HP Acquire Method	HP Processing Method		FC050223AL		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		PP21954,PP21956,PP21957,PP21958,PP21959					
CCC		PP21957					
Internal Standard/PEM		PP21955,PP21960					
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard							
Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC063529.D	03 May 2023 08:14		YP/AJ	Ok
2	I.BLK	I.BLK	FC063530.D	03 May 2023 08:52		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC063531.D	03 May 2023 14:59		YP/AJ	Ok
4	PB152543BL	PB152543BL	FC063532.D	03 May 2023 17:34		YP/AJ	Ok
5	PB152543BS	PB152543BS	FC063533.D	03 May 2023 18:14		YP/AJ	Ok
6	PB152543BSD	PB152543BSD	FC063534.D	03 May 2023 18:53		YP/AJ	Ok
7	O2567-01	B-21-SB01	FC063535.D	03 May 2023 19:31		YP/AJ	Ok
8	O2567-02	B-21-SB02	FC063536.D	03 May 2023 20:10		YP/AJ	Ok
9	O2567-02D	O2567-02D	FC063537.D	03 May 2023 20:48		YP/AJ	Ok
10	O2567-02MS	B-21-SB02MS	FC063538.D	03 May 2023 21:26	FC063536.D	YP/AJ	Ok
11	O2567-02MSD	B-21-SB02MSD	FC063539.D	03 May 2023 22:04	FC063536.D!FC063538.D	YP/AJ	Ok
12	O2505-08	WO-5	FC063540.D	03 May 2023 22:42	need 10x&200x dilution	YP/AJ	Dilution
13	I.BLK	I.BLK	FC063541.D	04 May 2023 01:14		YP/AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC063542.D	04 May 2023 02:57		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050423AL

Review By	yogesh	Review On	5/4/2023 9:58:53 AM				
Supervise By	Ankita	Supervise On	5/5/2023 9:27:56 AM				
SubDirectory	FC050423AL	HP Acquire Method	HP Processing Method		FC050223AL		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		PP21954,PP21956,PP21957,PP21958,PP21959					
CCC		PP21957					
Internal Standard/PEM		PP21955,PP21960					
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC063543.D	04 May 2023 07:59		YP/AJ	Ok
2	I.BLK	I.BLK	FC063544.D	04 May 2023 08:36		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC063545.D	04 May 2023 09:15		YP/AJ	Ok,M
4	PB152543BL	PB152543BL	FC063546.D	04 May 2023 09:53		YP/AJ	Ok
5	O2500-17	PT-NJEPH-SOIL	FC063547.D	04 May 2023 10:32	need 10x&20X&50X dilution	YP/AJ	Dilution
6	O2500-17DL	PT-NJEPH-SOILDL	FC063548.D	04 May 2023 11:19	need further dilution	YP/AJ	Dilution
7	O2500-17DL2	PT-NJEPH-SOILDL2	FC063549.D	04 May 2023 11:57	need further dilution	YP/AJ	Dilution
8	O2500-17DL3	PT-NJEPH-SOILDL3	FC063550.D	04 May 2023 12:35		YP/AJ	Ok
9	I.BLK	I.BLK	FC063551.D	04 May 2023 13:13		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC063552.D	04 May 2023 14:30		YP/AJ	Ok
11	PB152571BL	PB152571BL	FC063553.D	04 May 2023 15:13		YP/AJ	Ok
12	PB152571BS	PB152571BS	FC063554.D	04 May 2023 15:51		YP/AJ	Ok
13	PB152571BSD	PB152571BSD	FC063555.D	04 May 2023 16:30		YP/AJ	Ok
14	O2567-03	EB-2023-29-06	FC063556.D	04 May 2023 17:09		YP/AJ	Ok
15	O2505-08DL	WO-5DL	FC063557.D	04 May 2023 17:47	need further dilution	YP/AJ	Dilution
16	O2505-08DL2	WO-5DL2	FC063558.D	04 May 2023 18:25		YP/AJ	Ok
17	I.BLK	I.BLK	FC063559.D	04 May 2023 19:04		YP/AJ	Ok
18	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC063560.D	04 May 2023 20:20		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD042123AR

Review By	yogesh	Review On	4/21/2023 3:16:24 PM				
Supervise By	Ankita	Supervise On	4/24/2023 11:20:05 AM				
SubDirectory	FD042123AR	HP Acquire Method	HP Processing Method		FD042123AR		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		PP21759,PP21858,PP21859,PP21860,PP21861					
		PP21762,PP21859					
		PP21760,PP21862					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD045516.D	21 Apr 2023 13:39		YP/AJ	Ok
2	I.BLK	I.BLK	FD045517.D	21 Apr 2023 14:18		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD045518.D	21 Apr 2023 15:37		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD045519.D	21 Apr 2023 16:17		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD045520.D	21 Apr 2023 16:57		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD045521.D	21 Apr 2023 18:17		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD045522.D	21 Apr 2023 18:57		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD045523.D	21 Apr 2023 20:15		YP/AJ	Ok
9	I.BLK	I.BLK	FD045524.D	21 Apr 2023 21:32		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD045525.D	21 Apr 2023 22:49		YP/AJ	Ok

M : Manual Integration



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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050323AR

Review By	yogesh	Review On	5/3/2023 3:17:07 PM				
Supervise By	Ankita	Supervise On	5/4/2023 8:33:34 AM				
SubDirectory	FD050323AR	HP Acquire Method	HP Processing Method	FD042123AR			
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		PP21759,PP21858,PP21859,PP21860,PP21861					
CCC Internal Standard/PEM		PP21762,PP21859					
ICV/I.BLK Surrogate Standard		PP21760,PP21862					
MS/MSD Standard LCS Standard							

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD045564.D	03 May 2023 08:14		YP/AJ	Ok
2	I.BLK	I.BLK	FD045565.D	03 May 2023 08:52		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD045566.D	03 May 2023 14:59		YP/AJ	Ok
4	PB152543BL	PB152543BL	FD045567.D	03 May 2023 17:34		YP/AJ	Ok
5	PB152543BS	PB152543BS	FD045568.D	03 May 2023 18:14		YP/AJ	Ok
6	PB152543BSD	PB152543BSD	FD045569.D	03 May 2023 18:53		YP/AJ	Ok
7	O2567-01	B-21-SB01	FD045570.D	03 May 2023 19:31		YP/AJ	Ok
8	O2567-02	B-21-SB02	FD045571.D	03 May 2023 20:10		YP/AJ	Ok
9	O2567-02D	O2567-02D	FD045572.D	03 May 2023 20:48		YP/AJ	Ok
10	O2567-02MS	B-21-SB02MS	FD045573.D	03 May 2023 21:26	FD045571.D	YP/AJ	Ok
11	O2567-02MSD	B-21-SB02MSD	FD045574.D	03 May 2023 22:04	FD045571.D!FD045573.D	YP/AJ	Ok
12	O2505-08	WO-5	FD045575.D	03 May 2023 22:42	need 10x&100x dilution	YP/AJ	Dilution
13	I.BLK	I.BLK	FD045576.D	04 May 2023 01:14		YP/AJ	Ok
14	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD045577.D	04 May 2023 02:57		YP/AJ	Ok,M

M : Manual Integration



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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050423AR

Review By	yogesh	Review On	5/4/2023 9:59:48 AM				
Supervise By	Ankita	Supervise On	5/5/2023 9:28:15 AM				
SubDirectory	FD050423AR	HP Acquire Method	HP Processing Method		FD042123AR		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		PP21759,PP21858,PP21859,PP21860,PP21861					
		PP21762,PP21859					
		PP21760,PP21862					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD045578.D	04 May 2023 07:59		YP/AJ	Ok
2	I.BLK	I.BLK	FD045579.D	04 May 2023 08:36		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD045580.D	04 May 2023 09:15		YP/AJ	Ok
4	PB152543BL	PB152543BL	FD045581.D	04 May 2023 09:53		YP/AJ	Ok
5	O2500-17	PT-NJEPH-SOIL	FD045582.D	04 May 2023 10:32	need 5x&10X dilution	YP/AJ	Dilution
6	O2500-17DL	PT-NJEPH-SOILDL	FD045583.D	04 May 2023 11:19	need further dilution	YP/AJ	Dilution
7	O2500-17DL2	PT-NJEPH-SOILDL2	FD045584.D	04 May 2023 11:57		YP/AJ	Ok,M
8	I.BLK	I.BLK	FD045585.D	04 May 2023 12:35		YP/AJ	Ok
9	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD045586.D	04 May 2023 13:52		YP/AJ	Ok
10	PB152571BL	PB152571BL	FD045587.D	04 May 2023 15:13		YP/AJ	Ok
11	PB152571BS	PB152571BS	FD045588.D	04 May 2023 15:51		YP/AJ	Ok
12	PB152571BSD	PB152571BSD	FD045589.D	04 May 2023 16:30		YP/AJ	Ok
13	O2567-03	EB-2023-29-06	FD045590.D	04 May 2023 17:09		YP/AJ	Ok
14	O2505-08DL	WO-5DL	FD045591.D	04 May 2023 17:47	need further dilution	YP/AJ	Dilution
15	O2505-08DL2	WO-5DL2	FD045592.D	04 May 2023 18:25		YP/AJ	Ok
16	I.BLK	I.BLK	FD045593.D	04 May 2023 19:04		YP/AJ	Ok
17	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD045594.D	04 May 2023 19:42		YP/AJ	Ok

M : Manual Integration



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Continuing Calibration Report for SequenceID : FC050323AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC063531.D

Aliphatic C9-C12	8623493.000	60.000	3.197	6.484	143724.883	132318.329	-8.621
Aliphatic C12-C16	5770579.000	40.000	6.485	9.878	144264.475	130577.891	-10.482
Aliphatic C16-C21	8672293.000	60.000	9.879	13.237	144538.217	132388.089	-9.178
Aliphatic C21-C28	11162560.000	80.000	13.238	16.890	139532.000	128989.378	-8.173
Aliphatic C28-C40	14693599.000	120.000	16.891	21.743	122446.658	122159.118	-0.235
Aliphatic EPH	48922524.000	360.000	3.197	21.743	135895.900	128010.403	-6.160



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Continuing Calibration Report for SequenceID : FC050323AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC063542.D

Aliphatic C9-C12	8918811.000	60.000	3.197	6.484	148646.850	132318.329	-12.340
Aliphatic C12-C16	5955250.000	40.000	6.485	9.878	148881.250	130577.891	-14.017
Aliphatic C16-C21	9017986.000	60.000	9.879	13.237	150299.767	132388.089	-13.530
Aliphatic C21-C28	11538453.000	80.000	13.238	16.890	144230.663	128989.378	-11.816
Aliphatic C28-C40	15700301.000	120.000	16.891	21.743	130835.842	122159.118	-7.103
Aliphatic EPH	51130801.000	360.000	3.197	21.743	142030.003	128010.403	-10.952



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Continuing Calibration Report for SequenceID : FC050423AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC063545.D

Aliphatic C9-C12	8813581.000	60.000	3.197	6.482	146893.017	132318.329	-11.015
Aliphatic C12-C16	5868566.000	40.000	6.483	9.875	146714.150	130577.891	-12.358
Aliphatic C16-C21	8817012.000	60.000	9.876	13.231	146950.200	132388.089	-11.000
Aliphatic C21-C28	11402684.000	80.000	13.232	16.883	142533.550	128989.378	-10.500
Aliphatic C28-C40	14911032.000	120.000	16.884	21.732	124258.600	122159.118	-1.719
Aliphatic EPH	49812875.000	360.000	3.197	21.732	138369.097	128010.403	-8.092



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Continuing Calibration Report for SequenceID : FC050423AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC063552.D

Aliphatic C9-C12	8442959.000	60.000	3.197	6.482	140715.983	132318.329	-6.347
Aliphatic C12-C16	5670965.000	40.000	6.483	9.875	141774.125	130577.891	-8.574
Aliphatic C16-C21	8588817.000	60.000	9.876	13.231	143146.950	132388.089	-8.127
Aliphatic C21-C28	11032596.000	80.000	13.232	16.883	137907.450	128989.378	-6.914
Aliphatic C28-C40	14531231.000	120.000	16.884	21.732	121093.592	122159.118	0.872
Aliphatic EPH	48266568.000	360.000	3.197	21.732	134073.800	128010.403	-4.737



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Continuing Calibration Report for SequenceID : FC050423AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC063560.D

Aliphatic C9-C12	8485228.000	60.000	3.197	6.482	141420.467	132318.329	-6.879
Aliphatic C12-C16	5664089.000	40.000	6.483	9.875	141602.225	130577.891	-8.443
Aliphatic C16-C21	8521672.000	60.000	9.876	13.231	142027.867	132388.089	-7.281
Aliphatic C21-C28	11010838.000	80.000	13.232	16.883	137635.475	128989.378	-6.703
Aliphatic C28-C40	15059816.000	120.000	16.884	21.732	125498.467	122159.118	-2.734
Aliphatic EPH	48741643.000	360.000	3.197	21.732	135393.453	128010.403	-5.768



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Continuing Calibration Report for SequenceID : FD050323AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD045566.D

Aromatic C10-C12	7416122.000	40.000	4.249	5.981	185403.050	169348.262	-9.480
Aromatic C12-C16	10560916.000	60.000	5.982	8.598	176015.267	160865.134	-9.418
Aromatic C16-C21	12481103.000	80.000	8.599	12.867	156013.788	143957.476	-8.375
Aromatic C21-C36	25592079.000	180.000	12.868	18.259	142178.217	133648.613	-6.382
Aromatic EPH	56050220.000	360.000	4.249	18.259	155695.056	144442.186	-7.791



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Continuing Calibration Report for SequenceID : FD050323AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD045577.D

Aromatic C10-C12	7325753.000	40.000	4.249	5.981	183143.825	169348.262	-8.146
Aromatic C12-C16	10683541.000	60.000	5.982	8.598	178059.017	160865.134	-10.688
Aromatic C16-C21	13000128.000	80.000	8.599	12.867	162501.600	143957.476	-12.882
Aromatic C21-C36	25672467.000	180.000	12.868	18.259	142624.817	133648.613	-6.716
Aromatic EPH	56681889.000	360.000	4.249	18.259	157449.692	144442.186	-9.005



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Continuing Calibration Report for SequenceID : FD050423AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD045580.D

Aromatic C10-C12	7354415.000	40.000	4.253	5.985	183860.375	169348.262	-8.569
Aromatic C12-C16	10499024.000	60.000	5.986	8.601	174983.733	160865.134	-8.777
Aromatic C16-C21	12620458.000	80.000	8.602	12.869	157755.725	143957.476	-9.585
Aromatic C21-C36	24154795.000	180.000	12.870	18.259	134193.306	133648.613	-0.408
Aromatic EPH	54628692.000	360.000	4.253	18.259	151746.367	144442.186	-5.057



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Continuing Calibration Report for SequenceID : FD050423AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD045586.D

Aromatic C10-C12	6785536.000	40.000	4.253	5.985	169638.400	169348.262	-0.171
Aromatic C12-C16	9722755.000	60.000	5.986	8.601	162045.917	160865.134	-0.734
Aromatic C16-C21	11489853.000	80.000	8.602	12.869	143623.163	143957.476	0.232
Aromatic C21-C36	23205389.000	180.000	12.870	18.259	128918.828	133648.613	3.539
Aromatic EPH	51203533.000	360.000	4.253	18.259	142232.036	144442.186	1.530



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Continuing Calibration Report for SequenceID : FD050423AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD045594.D

Aromatic C10-C12	7543036.000	40.000	4.253	5.985	188575.900	169348.262	-11.354
Aromatic C12-C16	10844903.000	60.000	5.986	8.601	180748.383	160865.134	-12.360
Aromatic C16-C21	13155133.000	80.000	8.602	12.869	164439.163	143957.476	-14.228
Aromatic C21-C36	25312131.000	180.000	12.870	18.259	140622.950	133648.613	-5.218
Aromatic EPH	56855203.000	360.000	4.253	18.259	157931.119	144442.186	-9.339

Initial Calibration Report for SequenceID : FC050223AL

AreaCount

Parameter Range	FC063521.D	FC063522.D	FC063523.D	FC063524.D	FC063525.D	
Aliphatic C9-C12	38779561.000	19778236.000	7998632.000	4037800.000	1988515.000	
Aliphatic C12-C16	25906181.000	13180590.000	5305296.000	2631757.000	1273324.000	
Aliphatic C16-C21	38415048.000	19597833.000	7977960.000	4074806.000	2016678.000	
Aliphatic C21-C28	49652621.000	25312030.000	10338955.000	5294606.000	2653062.000	
Aliphatic C28-C40	68529058.000	35821180.000	14647749.000	7516147.000	3895286.000	
Aliphatic EPH	221282469.000	113689869.000	46268592.000	23555116.000	11826865.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	132318.3286662	1.5				
Aliphatic C12-C16	130577.891	1.642				
Aliphatic C16-C21	132388.0893332	2.335				
Aliphatic C21-C28	128989.378	2.858				
Aliphatic C28-C40	122159.1176662	4.833				
Aliphatic EPH	128010.4029996	2.722				

Concentration

Parameter Range	FC063521.D	FC063522.D	FC063523.D	FC063524.D	FC063525.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC063521.D	FC063522.D	FC063523.D	FC063524.D	FC063525.D	
Aliphatic C9-C12	129265.203333	131854.906666	133310.533333	134593.333333	132567.666666	
Aliphatic C12-C16	129530.905000	131805.900000	132632.400000	131587.850000	127332.400000	
Aliphatic C16-C21	128050.160000	130652.220000	132966.000000	135826.866666	134445.200000	
Aliphatic C21-C28	124131.552500	126560.150000	129236.937500	132365.150000	132653.100000	
Aliphatic C28-C40	114215.096666	119403.933333	122064.575000	125269.116666	129842.866666	



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Initial Calibration Report for SequenceID : FC050223AL

Aliphatic EPH	122934.705000	126322.076666	128523.866666	130861.755555	131409.611111	
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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063521.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 16:52
 Operator : YP/AJ
 Sample : 100 PPM ALIPATHIC HC STD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPATHIC HC STD1

Integration File: autoint1.e
 Quant Time: May 03 00:26:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Quant Title : GC Extractables
 QLast Update : Wed May 03 00:24:00 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.541	15236022	98.248 ug/ml
Spiked Amount 50.000		Recovery =	196.50%
12) S 1-chlorooctadecane (S...	12.974	10809443	99.867 ug/ml
Spiked Amount 50.000		Recovery =	199.73%
Target Compounds			
1) T n-Nonane (C9)	3.300	12805366	98.209 ug/ml
2) T n-Decane (C10)	4.368	12985760	98.464 ug/ml
3) T A~Naphthalene (C11.7)	5.953	14134042	101.134 ug/ml
4) T n-Dodecane (C12)	6.388	12988435	98.702 ug/ml
5) T A~2-methylnaphthalene...	7.011	13552839	101.159 ug/ml
6) T n-Tetradecane (C14)	8.183	12818647	98.837 ug/ml
7) T n-Hexadecane (C16)	9.783	13087534	98.797 ug/ml
8) T n-Octadecane (C18)	11.226	13217094	98.103 ug/ml
10) T n-Eicosane (C20)	12.532	12679872	98.094 ug/ml
11) T n-Heneicosane (C21)	13.143	12518082	98.154 ug/ml
13) T n-Docosane (C22)	13.727	12476200	98.177 ug/ml
14) T n-Tetracosane (C24)	14.829	12526610	97.809 ug/ml
15) T n-Hexacosane (C26)	15.848	12414999	98.027 ug/ml
16) T n-Octacosane (C28)	16.796	12234812	97.928 ug/ml
17) T n-Tricontane (C30)	17.681	12429484	97.868 ug/ml
18) T n-Dotriacontane (C32)	18.514	12252208	97.983 ug/ml
19) T n-Tetratriacontane (C34)	19.294	12030511	98.428 ug/ml
20) T n-Hexatriacontane (C36)	20.032	11484392	98.979 ug/ml
21) T n-Octatriacontane (C38)	20.758	10780552	95.702 ug/ml
22) T n-Tetracontane (C40)	21.654	9551911	90.206 ug/ml

(f)=RT Delta > 1/2 Window

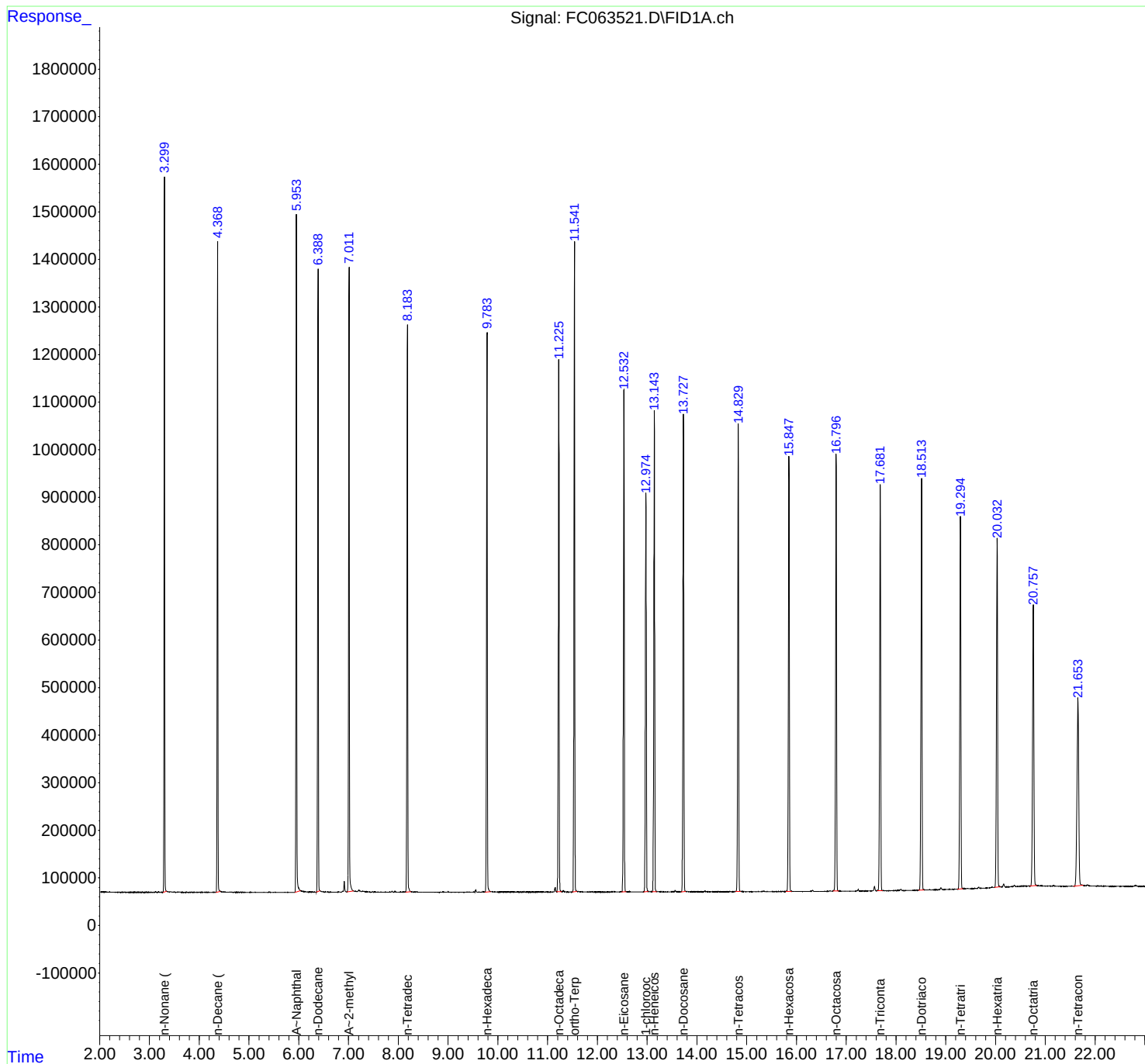
(m)=manual int.

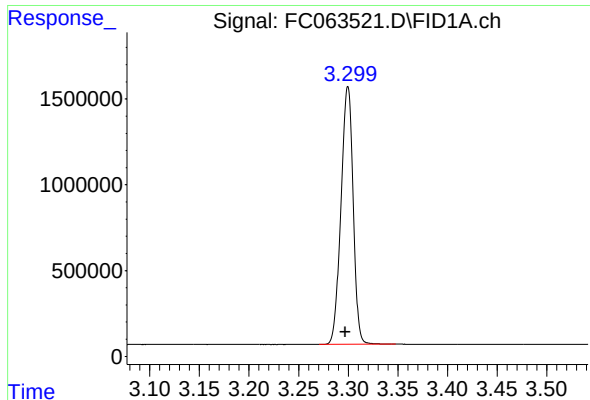
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
Data File : FC063521.D
Signal(s) : FID1A.ch
Acq On : 02 May 2023 16:52
Operator : YP/AJ
Sample : 100 PPM ALIPATHIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPATHIC HC STD1

Integration File: autoint1.e
Quant Time: May 03 00:26:52 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
Quant Title : GC Extractables
QLast Update : Wed May 03 00:24:00 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

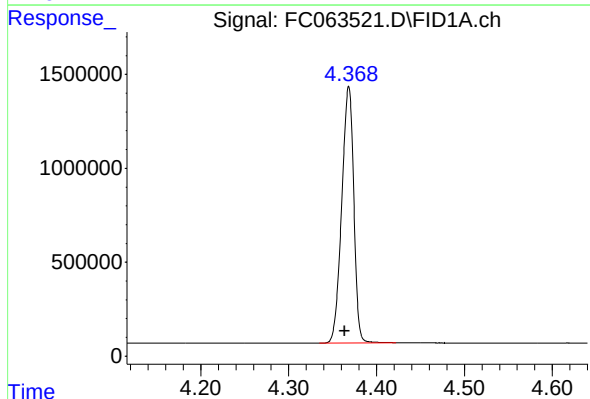




#1 n-Nonane (C9)

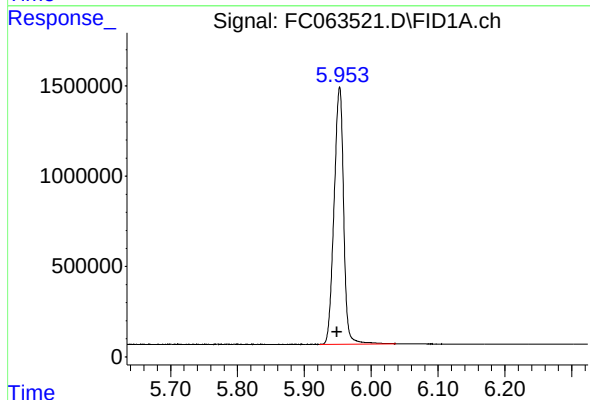
R.T.: 3.300 min
Delta R.T.: 0.003 min
Response: 12805366
Conc: 98.21 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



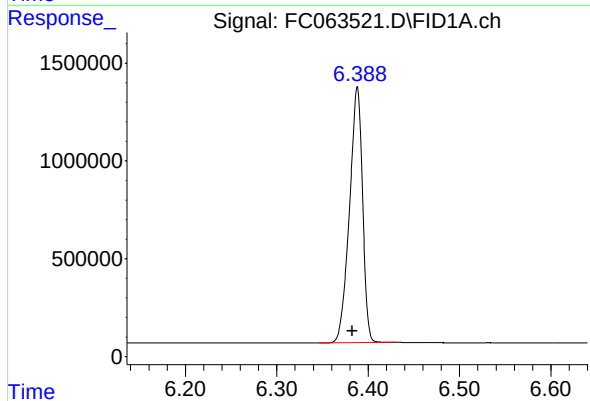
#2 n-Decane (C10)

R.T.: 4.368 min
Delta R.T.: 0.005 min
Response: 12985760
Conc: 98.46 ug/ml



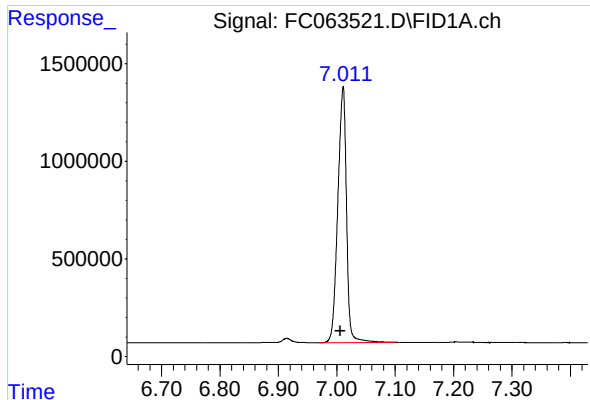
#3 A~Naphthalene (C11.7)

R.T.: 5.953 min
Delta R.T.: 0.004 min
Response: 14134042
Conc: 101.13 ug/ml



#4 n-Dodecane (C12)

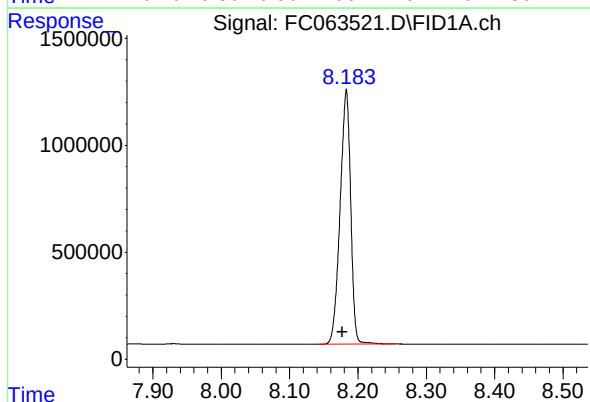
R.T.: 6.388 min
Delta R.T.: 0.006 min
Response: 12988435
Conc: 98.70 ug/ml



#5 A~2-methylnaphthalene (C12.89)

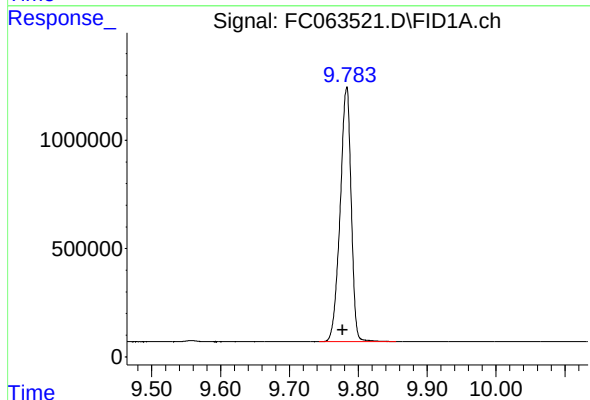
R.T.: 7.011 min
Delta R.T.: 0.005 min
Response: 13552839
Conc: 101.16 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPATHIC HC STD1



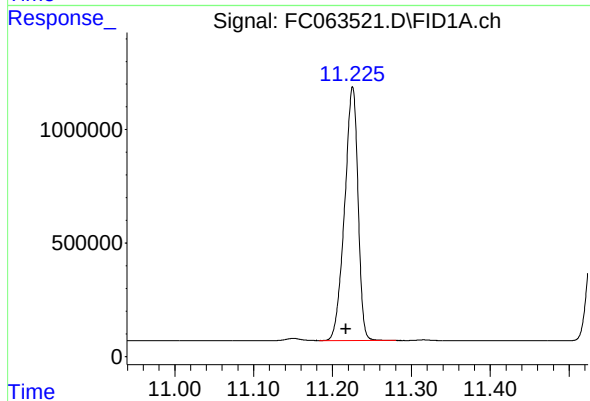
#6 n-Tetradecane (C14)

R.T.: 8.183 min
Delta R.T.: 0.005 min
Response: 12818647
Conc: 98.84 ug/ml



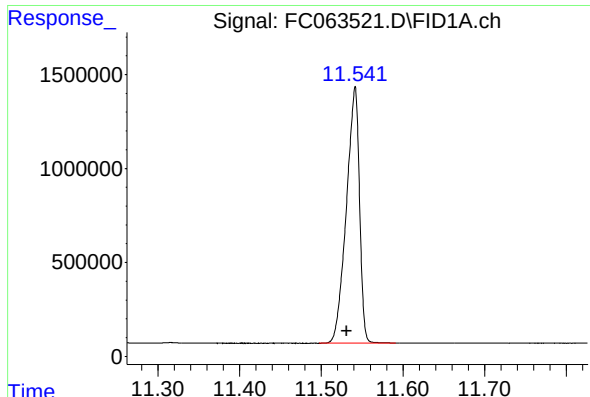
#7 n-Hexadecane (C16)

R.T.: 9.783 min
Delta R.T.: 0.006 min
Response: 13087534
Conc: 98.80 ug/ml



#8 n-Octadecane (C18)

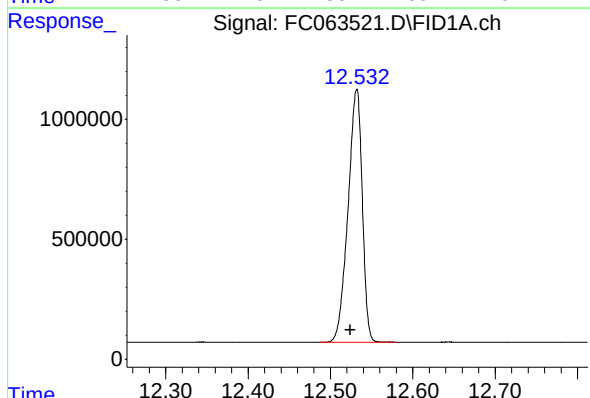
R.T.: 11.226 min
Delta R.T.: 0.008 min
Response: 13217094
Conc: 98.10 ug/ml



#9 ortho-Terphenyl (SURR)

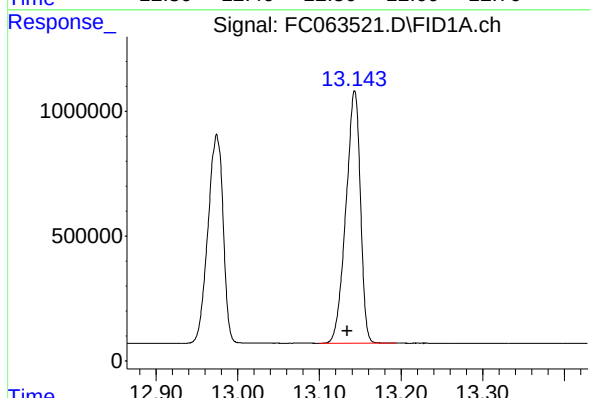
R.T.: 11.541 min
Delta R.T.: 0.011 min
Response: 15236022
Conc: 98.25 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



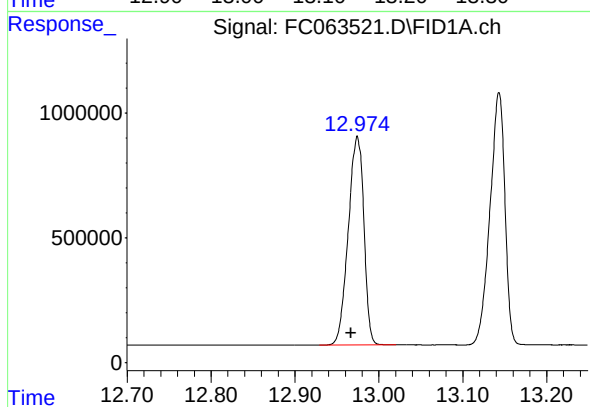
#10 n-Eicosane (C20)

R.T.: 12.532 min
Delta R.T.: 0.008 min
Response: 12679872
Conc: 98.09 ug/ml



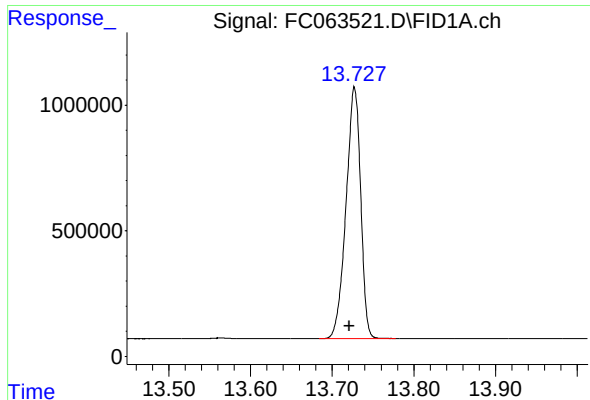
#11 n-Heneicosane (C21)

R.T.: 13.143 min
Delta R.T.: 0.009 min
Response: 12518082
Conc: 98.15 ug/ml



#12 1-chlorooctadecane (SURR)

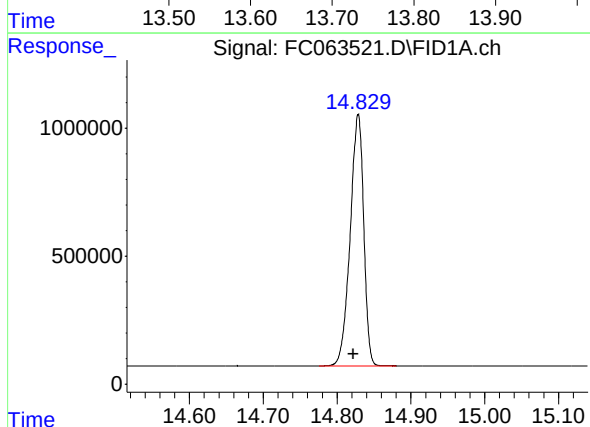
R.T.: 12.974 min
Delta R.T.: 0.007 min
Response: 10809443
Conc: 99.87 ug/ml



#13 n-Docosane (C22)

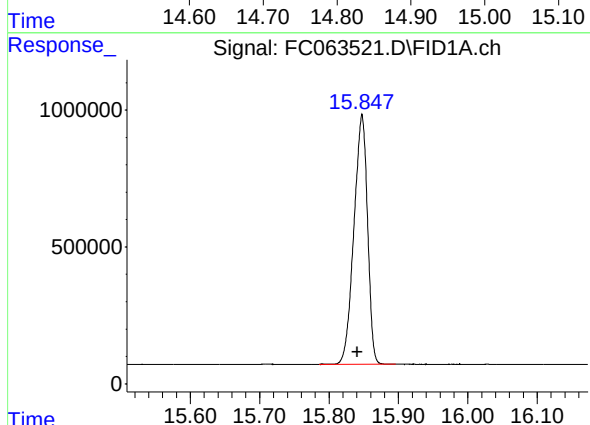
R.T.: 13.727 min
Delta R.T.: 0.006 min
Response: 12476200
Conc: 98.18 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



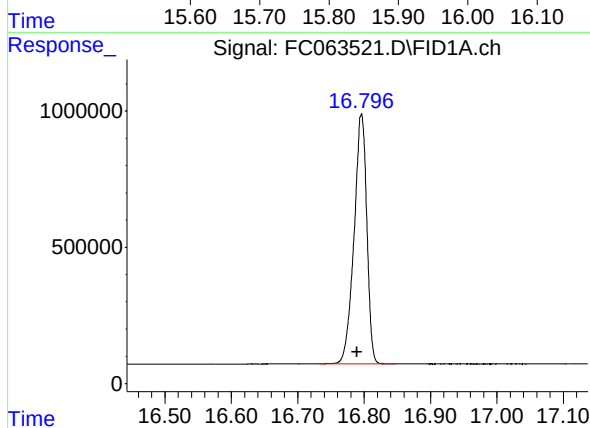
#14 n-Tetracosane (C24)

R.T.: 14.829 min
Delta R.T.: 0.007 min
Response: 12526610
Conc: 97.81 ug/ml



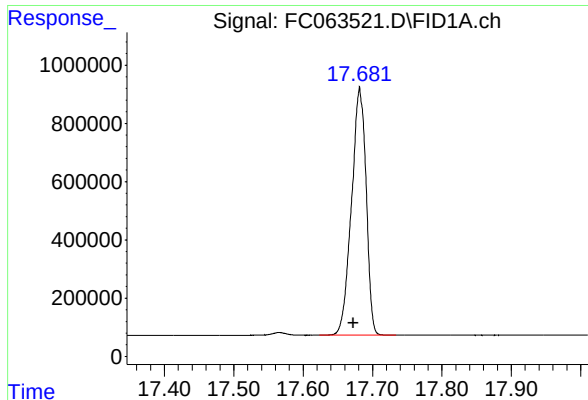
#15 n-Hexacosane (C26)

R.T.: 15.848 min
Delta R.T.: 0.007 min
Response: 12414999
Conc: 98.03 ug/ml



#16 n-Octacosane (C28)

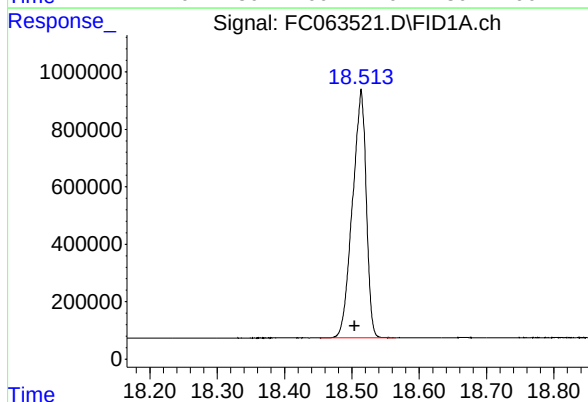
R.T.: 16.796 min
Delta R.T.: 0.007 min
Response: 12234812
Conc: 97.93 ug/ml



#17 n-Tricontane (C30)

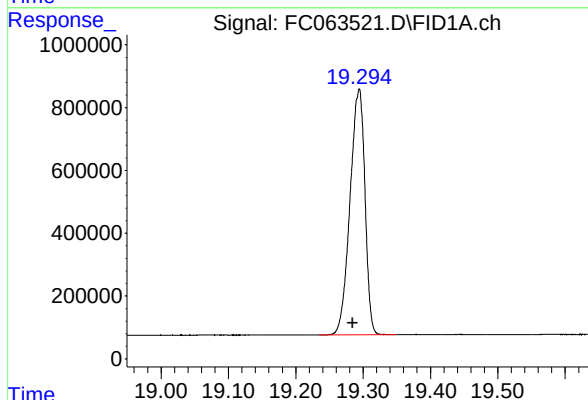
R.T.: 17.681 min
Delta R.T.: 0.009 min
Response: 12429484
Conc: 97.87 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



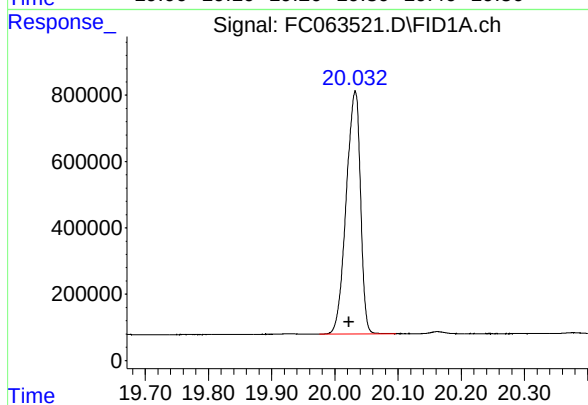
#18 n-Dotriacontane (C32)

R.T.: 18.514 min
Delta R.T.: 0.010 min
Response: 12252208
Conc: 97.98 ug/ml



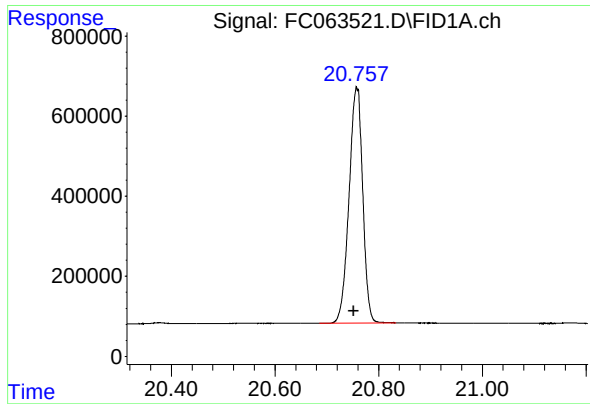
#19 n-Tetratriacontane (C34)

R.T.: 19.294 min
Delta R.T.: 0.010 min
Response: 12030511
Conc: 98.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.032 min
Delta R.T.: 0.010 min
Response: 11484392
Conc: 98.98 ug/ml



#21 n-Octatriacontane (C38)

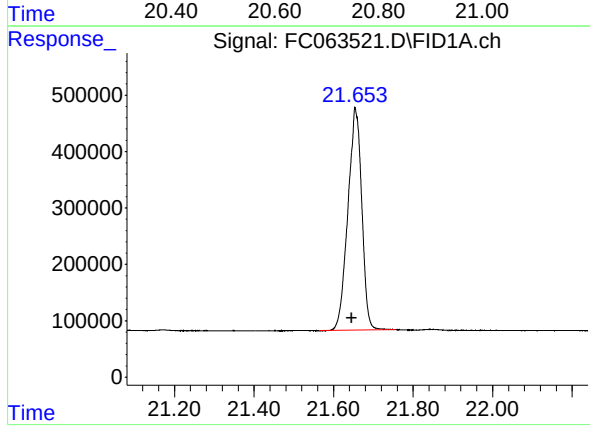
R.T.: 20.758 min
Delta R.T.: 0.006 min
Response: 10780552
Conc: 95.70 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.654 min
Delta R.T.: 0.009 min
Response: 9551911
Conc: 90.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063521.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 16:52
 Sample : 100 PPM ALIPATHIC HC STD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.300	3.271	3.348	BB	1502819	12805366	84.05%	4.656%
2	4.368	4.335	4.422	BB	1365796	12985760	85.23%	4.722%
3	5.953	5.922	6.037	BB	1425416	14134042	92.77%	5.139%
4	6.388	6.346	6.431	BB	1309151	12988435	85.25%	4.723%
5	7.011	6.970	7.101	BB	1309461	13552839	88.95%	4.928%
6	8.183	8.143	8.255	BB	1192598	12818647	84.13%	4.661%
7	9.783	9.743	9.855	BB	1172693	13087534	85.90%	4.759%
8	11.226	11.183	11.281	BB	1117928	13217094	86.75%	4.806%
9	11.541	11.497	11.591	BB	1365063	15236022	100.00%	5.540%
10	12.532	12.486	12.580	BB	1055391	12679872	83.22%	4.611%
11	12.974	12.929	13.021	BB	836791	10809443	70.95%	3.930%
12	13.143	13.100	13.194	BB	1011736	12518082	82.16%	4.552%
13	13.727	13.684	13.778	BB	1001536	12476200	81.89%	4.537%
14	14.829	14.776	14.880	BB	981874	12526610	82.22%	4.555%
15	15.848	15.785	15.896	BB	913139	12414999	81.48%	4.514%
16	16.796	16.732	16.848	BB	915038	12234812	80.30%	4.449%
17	17.681	17.623	17.734	BB	852688	12429484	81.58%	4.520%
18	18.514	18.451	18.566	BB	865053	12252208	80.42%	4.455%
19	19.294	19.235	19.349	BB	783642	12030511	78.96%	4.374%
20	20.032	19.975	20.097	BB	731320	11484392	75.38%	4.176%
21	20.758	20.685	20.833	BB	582741	10780552	70.76%	3.920%
22	21.654	21.563	21.757	BB	393581	9551911	62.69%	3.473%
Sum of corrected areas:						275014814		

Aliphatic EPH 050223.M Wed May 03 02:38:39 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063522.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 18:09
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: May 03 00:28:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Quant Title : GC Extractables
 QLast Update : Wed May 03 00:28:28 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.535	7766317	50.053 ug/ml
Spiked Amount 50.000		Recovery =	100.11%
12) S 1-chlorooctadecane (S...	12.970	5442644	50.189 ug/ml
Spiked Amount 50.000		Recovery =	100.38%
Target Compounds			
1) T n-Nonane (C9)	3.298	6536333	50.086 ug/ml
2) T n-Decane (C10)	4.366	6621129	50.136 ug/ml
3) T A~Naphthalene (C11.7)	5.950	7122094	50.637 ug/ml
4) T n-Dodecane (C12)	6.385	6620774	50.208 ug/ml
5) T A~2-methylnaphthalene...	7.008	6807683	50.539 ug/ml
6) T n-Tetradecane (C14)	8.181	6521648	50.189 ug/ml
7) T n-Hexadecane (C16)	9.779	6658942	50.178 ug/ml
8) T n-Octadecane (C18)	11.221	6751270	50.074 ug/ml
10) T n-Eicosane (C20)	12.527	6466858	50.019 ug/ml
11) T n-Heneicosane (C21)	13.138	6379705	50.015 ug/ml
13) T n-Docosane (C22)	13.723	6352425	49.992 ug/ml
14) T n-Tetracosane (C24)	14.825	6395113	49.956 ug/ml
15) T n-Hexacosane (C26)	15.844	6325381	49.963 ug/ml
16) T n-Octacosane (C28)	16.790	6239111	49.959 ug/ml
17) T n-Tricontane (C30)	17.677	6348591	49.992 ug/ml
18) T n-Dotriacontane (C32)	18.506	6263017	50.057 ug/ml
19) T n-Tetratriacontane (C34)	19.287	6143837	50.177 ug/ml
20) T n-Hexatriacontane (C36)	20.025	5846191	50.257 ug/ml
21) T n-Octatriacontane (C38)	20.755	5744214	50.658 ug/ml
22) T n-Tetracontane (C40)	21.651	5475330	51.125 ug/ml

(f)=RT Delta > 1/2 Window

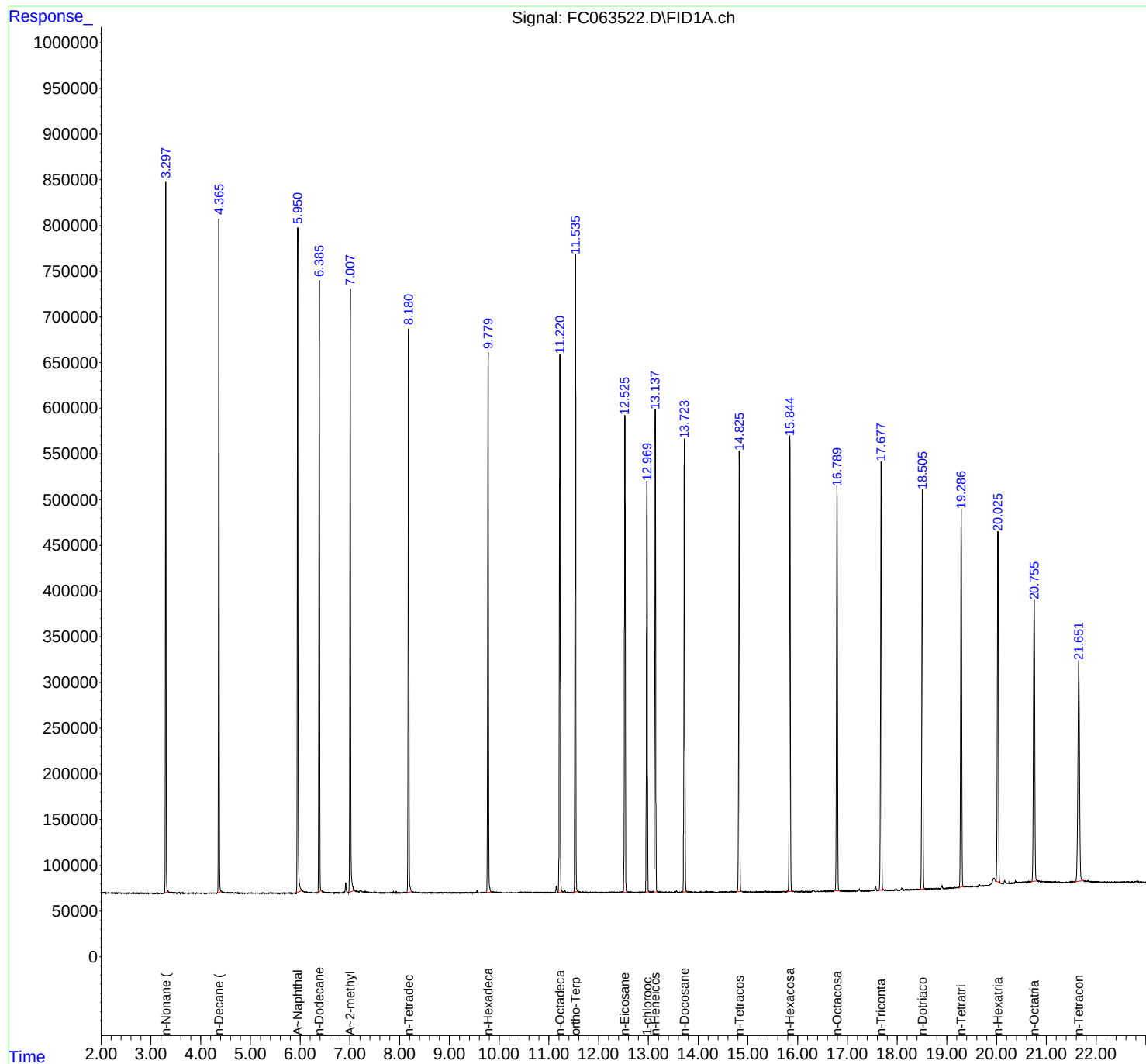
(m)=manual int.

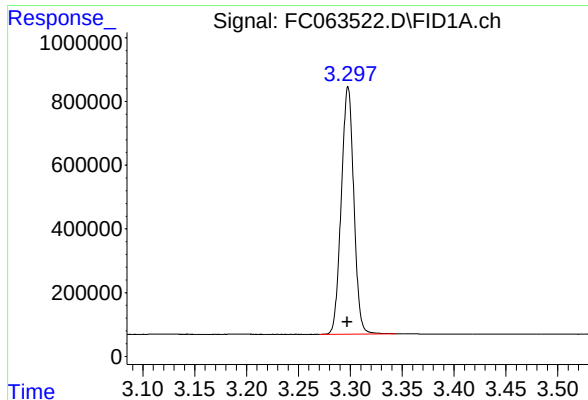
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
Data File : FC063522.D
Signal(s) : FID1A.ch
Acq On : 02 May 2023 18:09
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: May 03 00:28:38 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
Quant Title : GC Extractables
QLast Update : Wed May 03 00:28:28 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

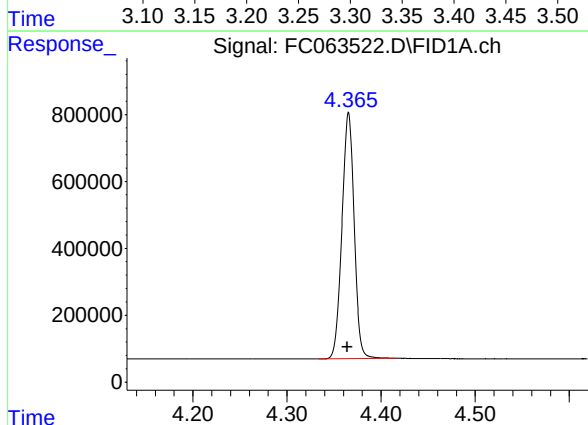




#1 n-Nonane (C9)

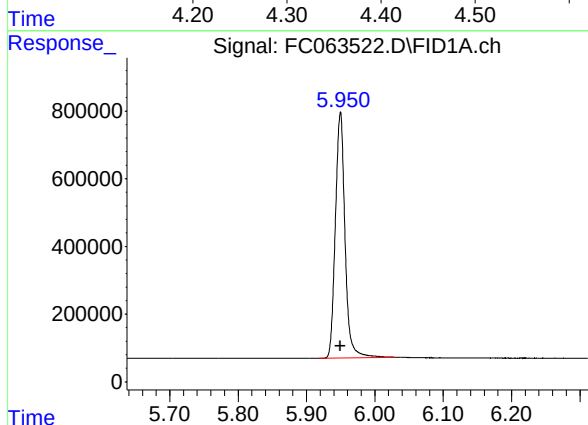
R.T.: 3.298 min
Delta R.T.: 0.000 min
Response: 6536333
Conc: 50.09 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



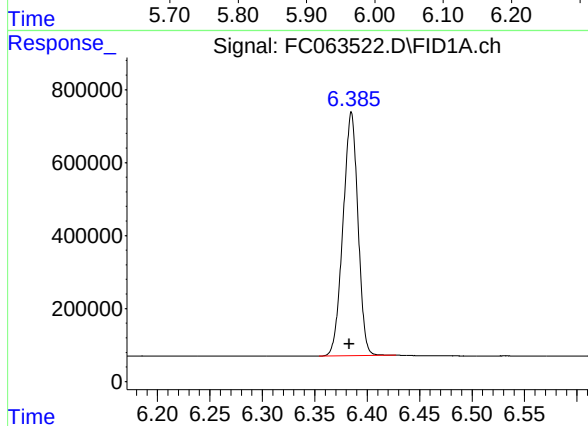
#2 n-Decane (C10)

R.T.: 4.366 min
Delta R.T.: 0.002 min
Response: 6621129
Conc: 50.14 ug/ml



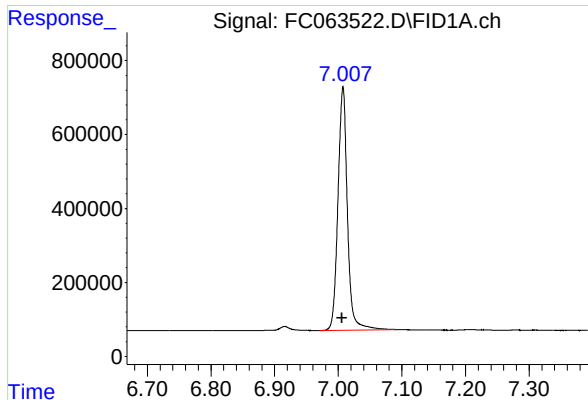
#3 A~Naphthalene (C11.7)

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 7122094
Conc: 50.64 ug/ml



#4 n-Dodecane (C12)

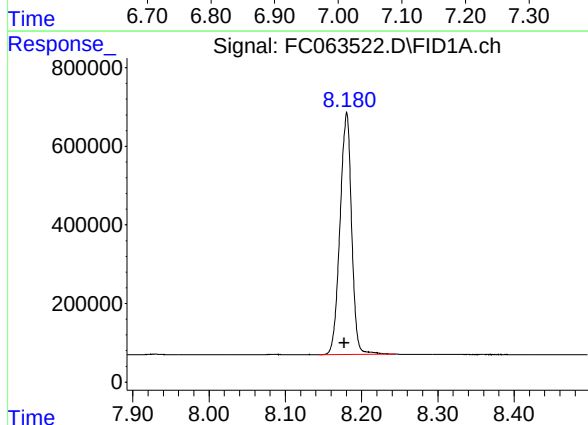
R.T.: 6.385 min
Delta R.T.: 0.002 min
Response: 6620774
Conc: 50.21 ug/ml



#5 A~2-methylnaphthalene (C12.89)

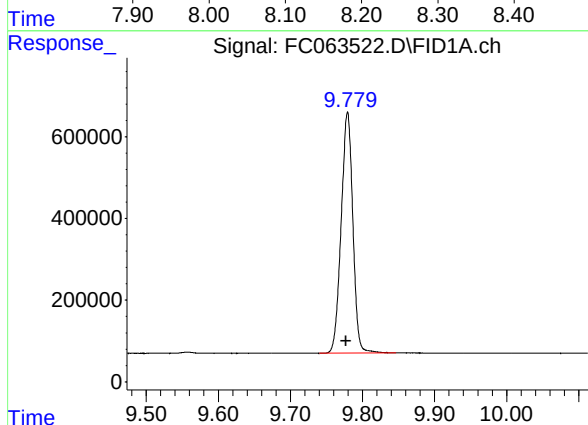
R.T.: 7.008 min
Delta R.T.: 0.001 min
Response: 6807683
Conc: 50.54 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



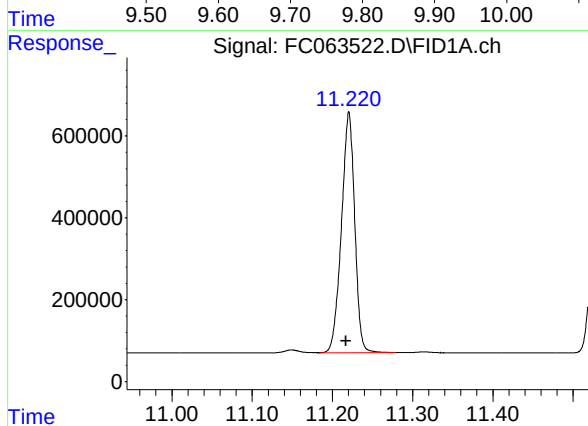
#6 n-Tetradecane (C14)

R.T.: 8.181 min
Delta R.T.: 0.003 min
Response: 6521648
Conc: 50.19 ug/ml



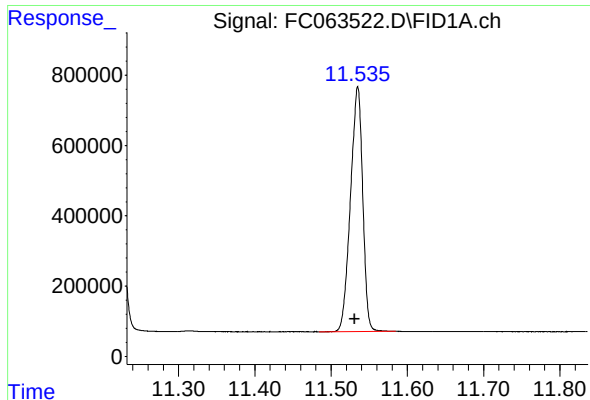
#7 n-Hexadecane (C16)

R.T.: 9.779 min
Delta R.T.: 0.002 min
Response: 6658942
Conc: 50.18 ug/ml



#8 n-Octadecane (C18)

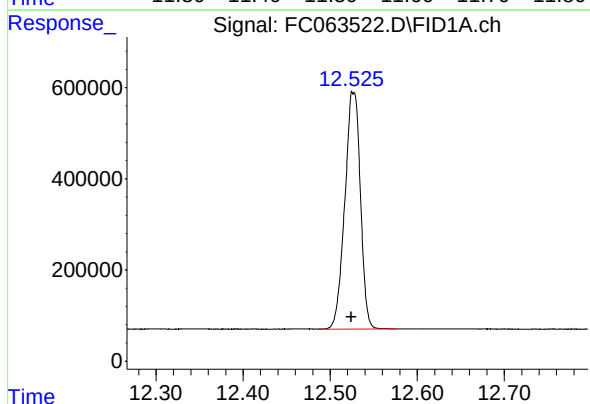
R.T.: 11.221 min
Delta R.T.: 0.004 min
Response: 6751270
Conc: 50.07 ug/ml



#9 ortho-Terphenyl (SURR)

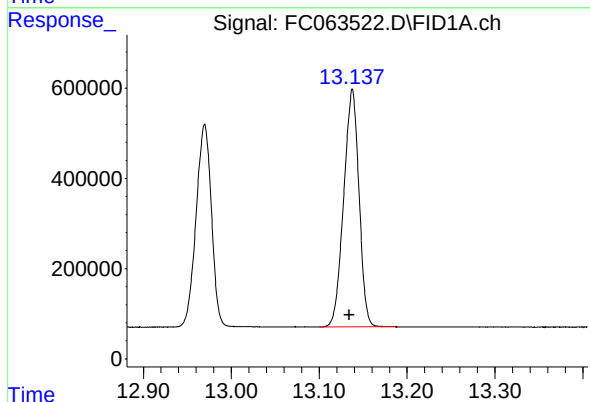
R.T.: 11.535 min
Delta R.T.: 0.004 min
Response: 7766317
Conc: 50.05 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



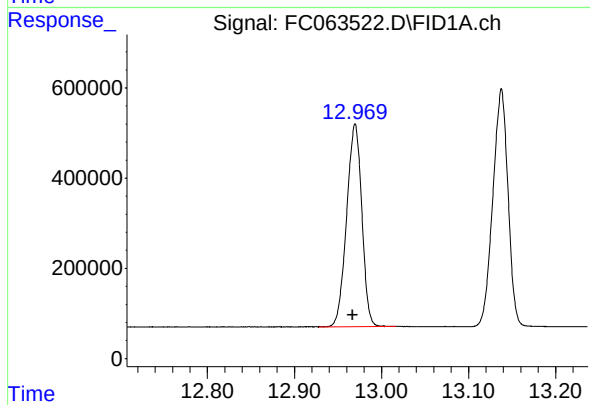
#10 n-Eicosane (C20)

R.T.: 12.527 min
Delta R.T.: 0.002 min
Response: 6466858
Conc: 50.02 ug/ml



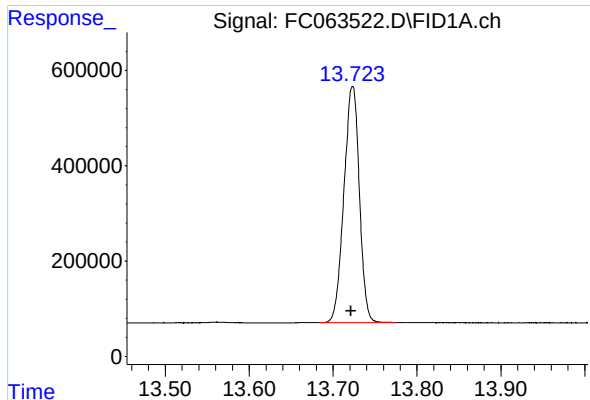
#11 n-Heneicosane (C21)

R.T.: 13.138 min
Delta R.T.: 0.004 min
Response: 6379705
Conc: 50.02 ug/ml



#12 1-chlorooctadecane (SURR)

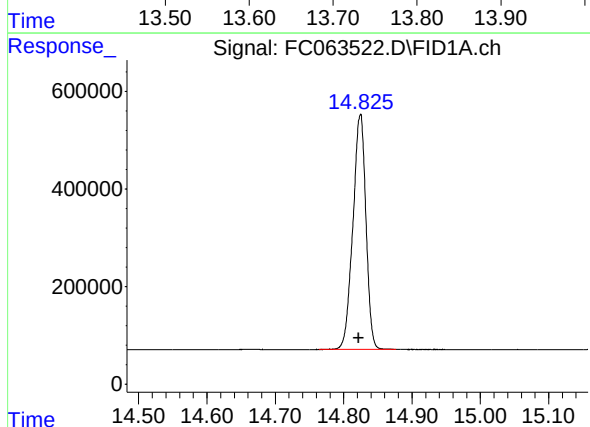
R.T.: 12.970 min
Delta R.T.: 0.003 min
Response: 5442644
Conc: 50.19 ug/ml



#13 n-Docosane (C22)

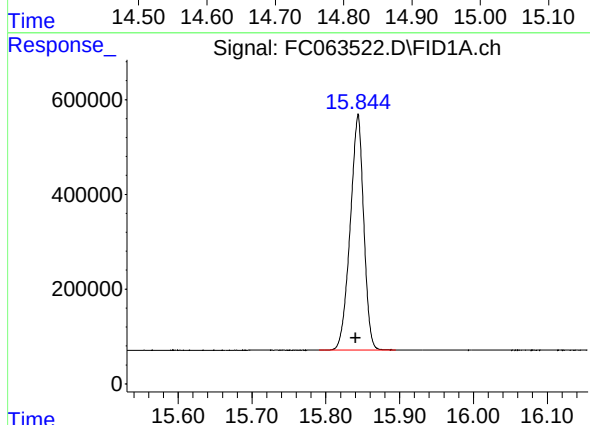
R.T.: 13.723 min
Delta R.T.: 0.002 min
Response: 6352425
Conc: 49.99 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



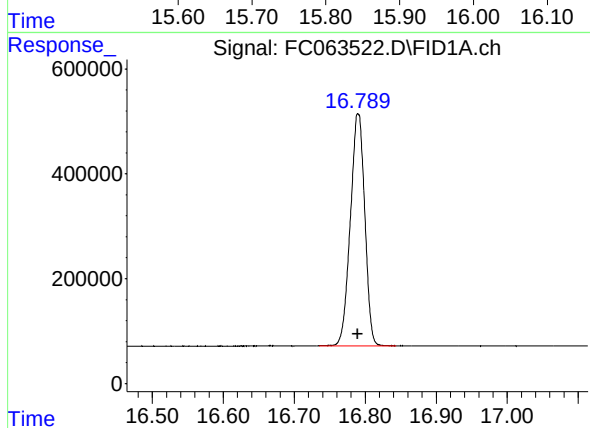
#14 n-Tetracosane (C24)

R.T.: 14.825 min
Delta R.T.: 0.002 min
Response: 6395113
Conc: 49.96 ug/ml



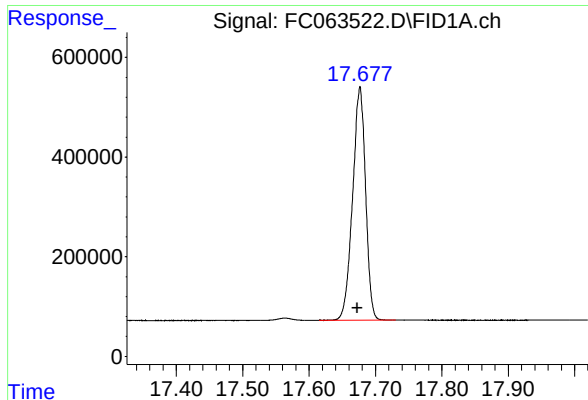
#15 n-Hexacosane (C26)

R.T.: 15.844 min
Delta R.T.: 0.003 min
Response: 6325381
Conc: 49.96 ug/ml



#16 n-Octacosane (C28)

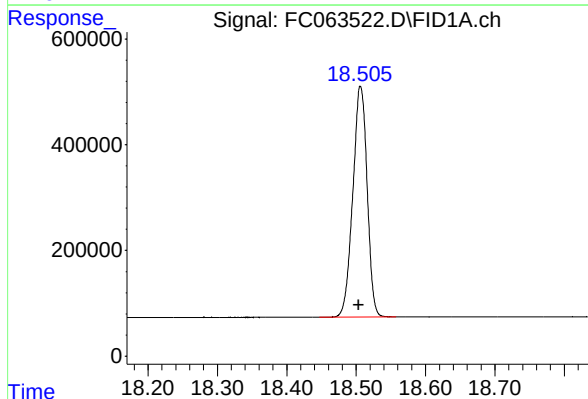
R.T.: 16.790 min
Delta R.T.: 0.001 min
Response: 6239111
Conc: 49.96 ug/ml



#17 n-Tricontane (C30)

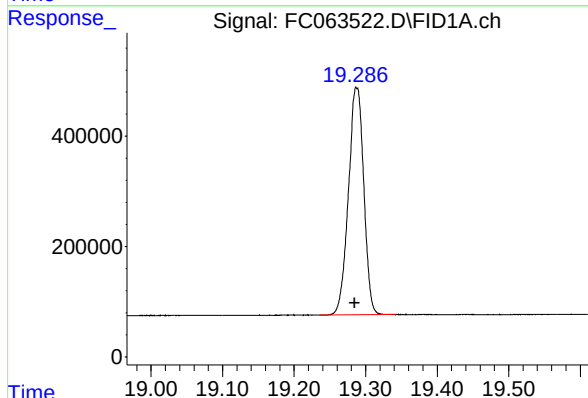
R.T.: 17.677 min
Delta R.T.: 0.004 min
Response: 6348591
Conc: 49.99 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



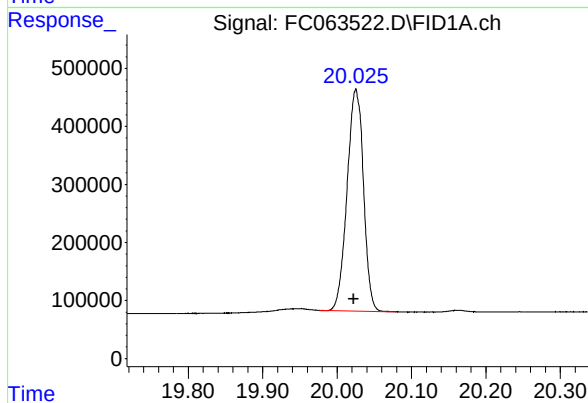
#18 n-Dotriacontane (C32)

R.T.: 18.506 min
Delta R.T.: 0.002 min
Response: 6263017
Conc: 50.06 ug/ml



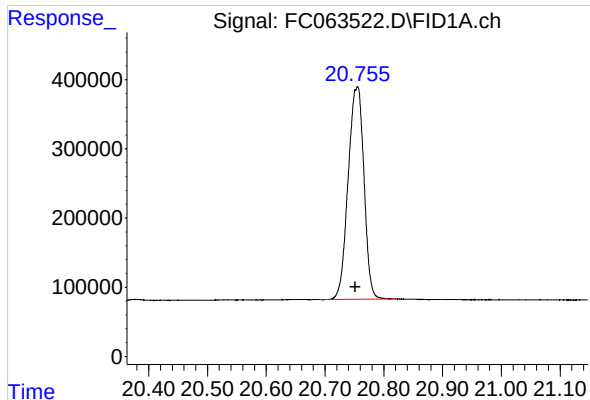
#19 n-Tetatriacontane (C34)

R.T.: 19.287 min
Delta R.T.: 0.003 min
Response: 6143837
Conc: 50.18 ug/ml



#20 n-Hexatriacontane (C36)

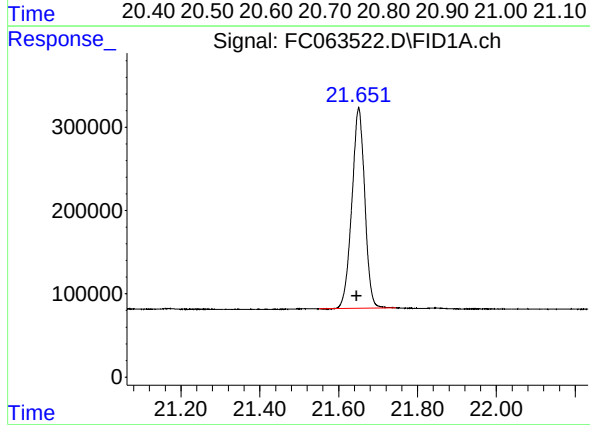
R.T.: 20.025 min
Delta R.T.: 0.003 min
Response: 5846191
Conc: 50.26 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.755 min
Delta R.T.: 0.004 min
Response: 5744214
Conc: 50.66 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.651 min
Delta R.T.: 0.005 min
Response: 5475330
Conc: 51.13 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063522.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 18:09
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.298	3.270	3.344	BB	777009	6536333	84.16%	4.641%
2	4.366	4.334	4.416	BB	736467	6621129	85.25%	4.702%
3	5.950	5.918	6.031	BB	727979	7122094	91.70%	5.057%
4	6.385	6.354	6.427	BB	668642	6620774	85.25%	4.701%
5	7.008	6.970	7.091	BB	658906	6807683	87.66%	4.834%
6	8.181	8.144	8.245	BB	616144	6521648	83.97%	4.631%
7	9.779	9.740	9.847	BB	589883	6658942	85.74%	4.728%
8	11.221	11.183	11.279	BB	588815	6751270	86.93%	4.794%
9	11.535	11.484	11.585	BB	697211	7766317	100.00%	5.515%
10	12.527	12.487	12.576	BB	514697	6466858	83.27%	4.592%
11	12.970	12.928	13.017	BB	449865	5442644	70.08%	3.865%
12	13.138	13.100	13.187	BB	527778	6379705	82.15%	4.530%
13	13.723	13.683	13.775	BB	495847	6352425	81.79%	4.511%
14	14.825	14.764	14.877	BB	481525	6395113	82.34%	4.541%
15	15.844	15.791	15.895	BB	498908	6325381	81.45%	4.492%
16	16.790	16.735	16.843	BB	442507	6239111	80.34%	4.430%
17	17.677	17.615	17.731	BB	468793	6348591	81.75%	4.508%
18	18.506	18.447	18.557	BB	436623	6263017	80.64%	4.447%
19	19.287	19.235	19.342	BB	410458	6143837	79.11%	4.363%
20	20.025	19.976	20.079	BB	382100	5846191	75.28%	4.151%
21	20.755	20.690	20.821	BB	307761	5744214	73.96%	4.079%
22	21.651	21.550	21.745	BB	240853	5475330	70.50%	3.888%
Sum of corrected areas:						140828605		

Aliphatic EPH 050223.M Wed May 03 02:39:07 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063523.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 18:47
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: May 03 00:24:40 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Quant Title : GC Extractables
 QLast Update : Wed May 03 00:24:00 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.531	3155892	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.967	2167659	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.297	2654463	20.000 ug/ml
2) T n-Decane (C10)	4.364	2678174	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.949	2763431	20.000 ug/ml
4) T n-Dodecane (C12)	6.383	2665995	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.006	2648446	20.000 ug/ml
6) T n-Tetradecane (C14)	8.178	2624063	20.000 ug/ml
7) T n-Hexadecane (C16)	9.777	2681233	20.000 ug/ml
8) T n-Octadecane (C18)	11.217	2745657	20.000 ug/ml
10) T n-Eicosane (C20)	12.524	2634512	20.000 ug/ml
11) T n-Heneicosane (C21)	13.134	2597791	20.000 ug/ml
13) T n-Docosane (C22)	13.721	2587909	20.000 ug/ml
14) T n-Tetracosane (C24)	14.822	2617562	20.000 ug/ml
15) T n-Hexacosane (C26)	15.840	2582953	20.000 ug/ml
16) T n-Octacosane (C28)	16.789	2550531	20.000 ug/ml
17) T n-Tricontane (C30)	17.672	2594191	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.504	2551340	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.284	2482949	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.022	2344261	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.752	2349770	20.000 ug/ml
22) T n-Tetracontane (C40)	21.646	2325238	20.000 ug/ml

(f)=RT Delta > 1/2 Window

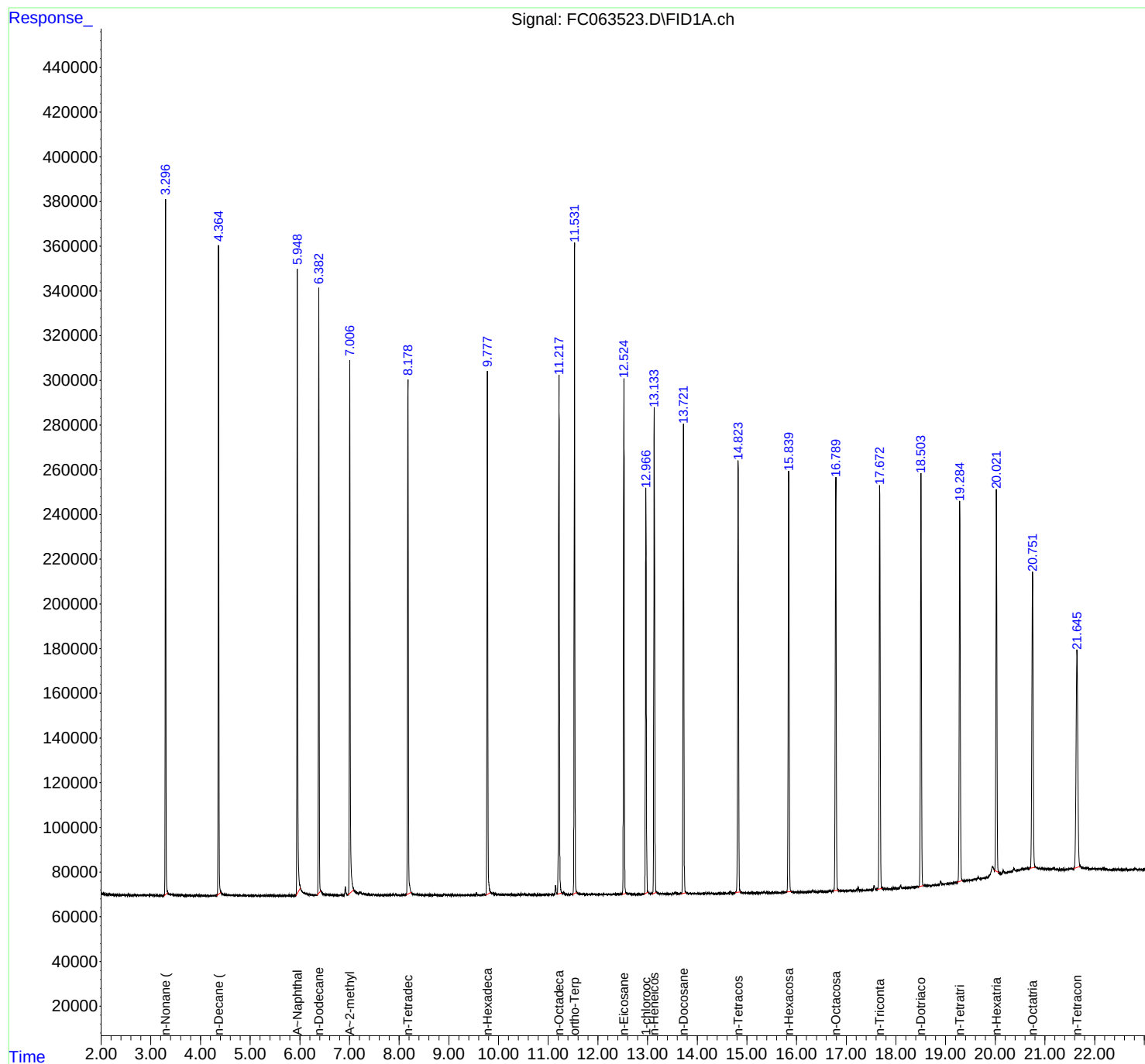
(m)=manual int.

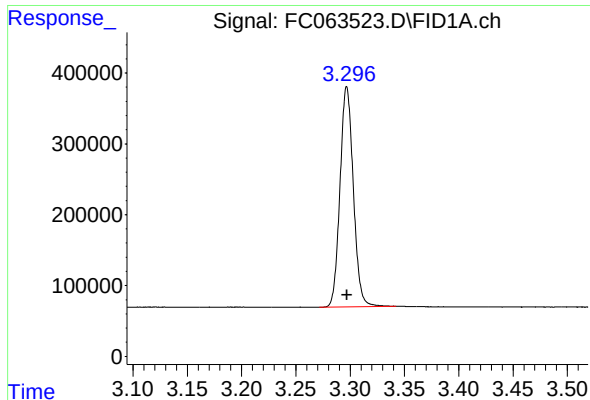
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
Data File : FC063523.D
Signal(s) : FID1A.ch
Acq On : 02 May 2023 18:47
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: May 03 00:24:40 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
Quant Title : GC Extractables
QLast Update : Wed May 03 00:24:00 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

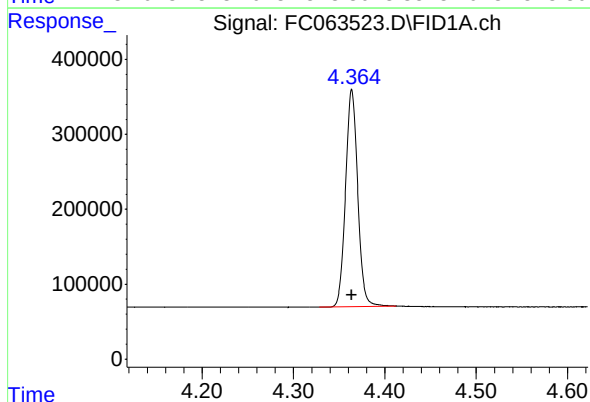




#1 n-Nonane (C9)

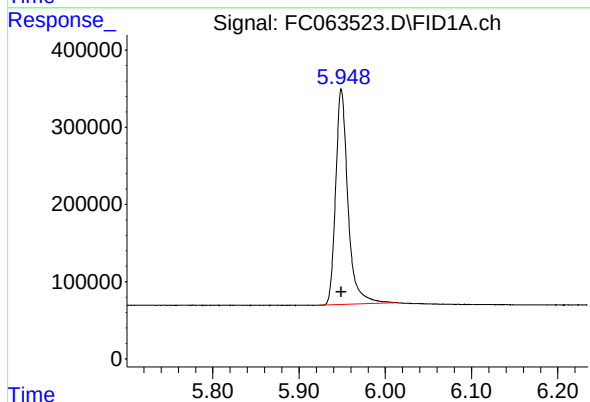
R.T.: 3.297 min
Delta R.T.: 0.000 min
Response: 2654463
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



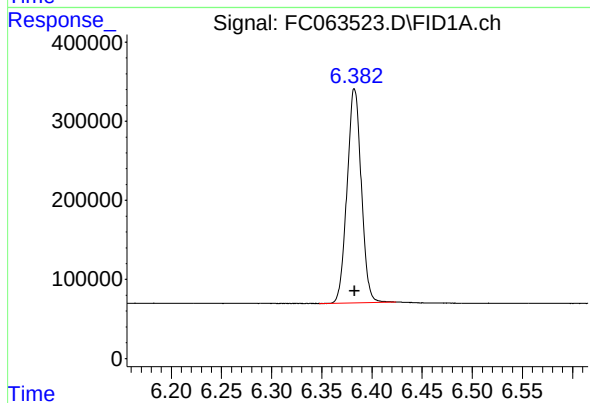
#2 n-Decane (C10)

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 2678174
Conc: 20.00 ug/ml



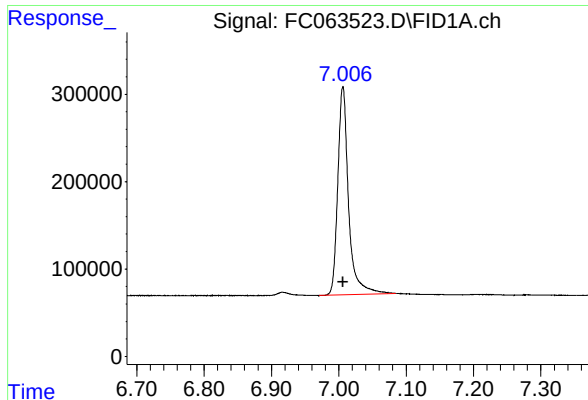
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 2763431
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

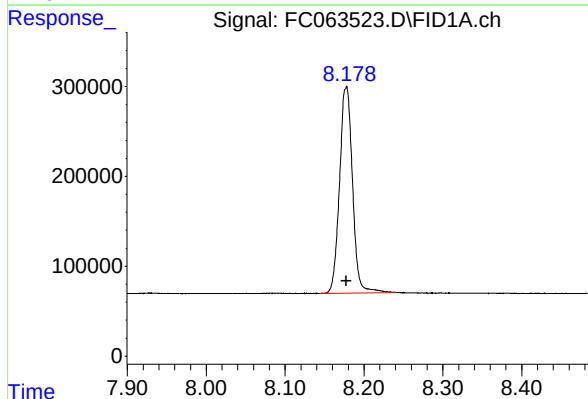
R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 2665995
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

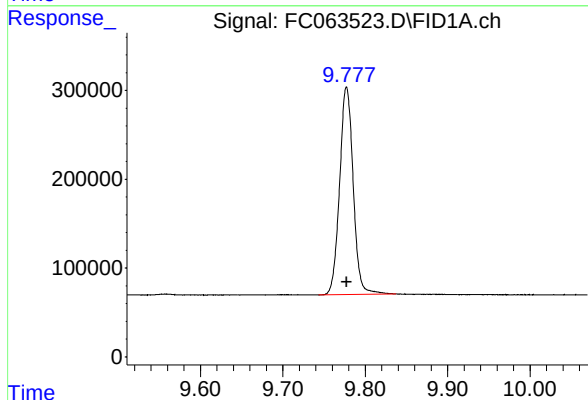
R.T.: 7.006 min
Delta R.T.: 0.000 min
Response: 2648446
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



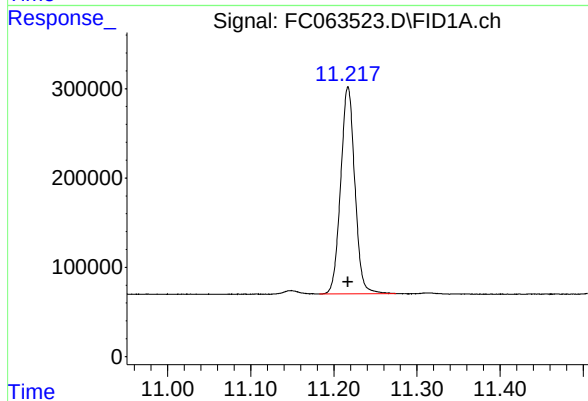
#6 n-Tetradecane (C14)

R.T.: 8.178 min
Delta R.T.: 0.000 min
Response: 2624063
Conc: 20.00 ug/ml



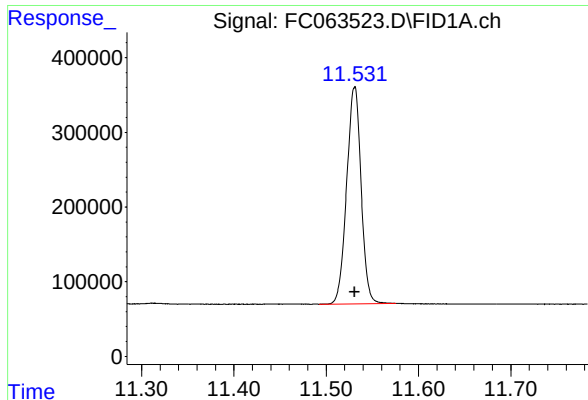
#7 n-Hexadecane (C16)

R.T.: 9.777 min
Delta R.T.: 0.000 min
Response: 2681233
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

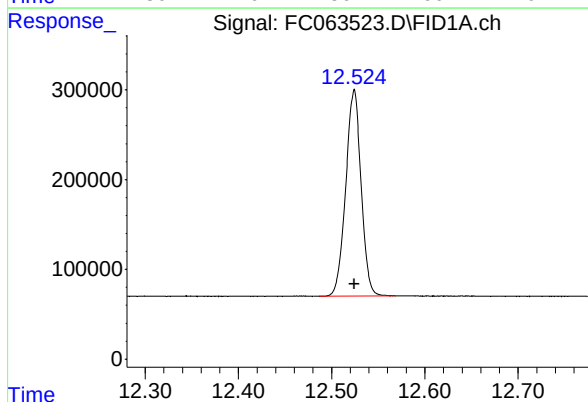
R.T.: 11.217 min
Delta R.T.: 0.000 min
Response: 2745657
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

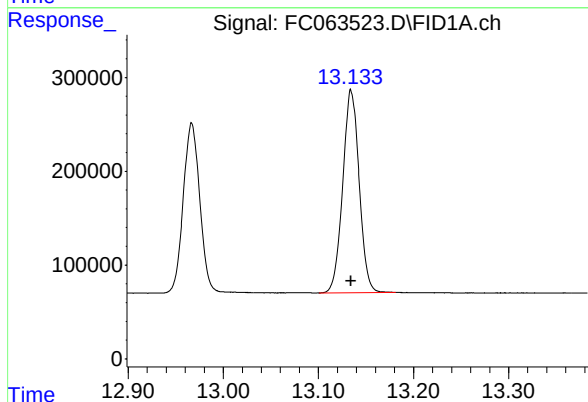
R.T.: 11.531 min
Delta R.T.: 0.000 min
Response: 3155892
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



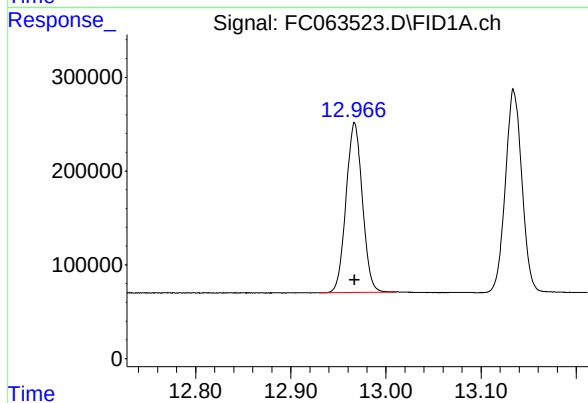
#10 n-Eicosane (C20)

R.T.: 12.524 min
Delta R.T.: 0.000 min
Response: 2634512
Conc: 20.00 ug/ml



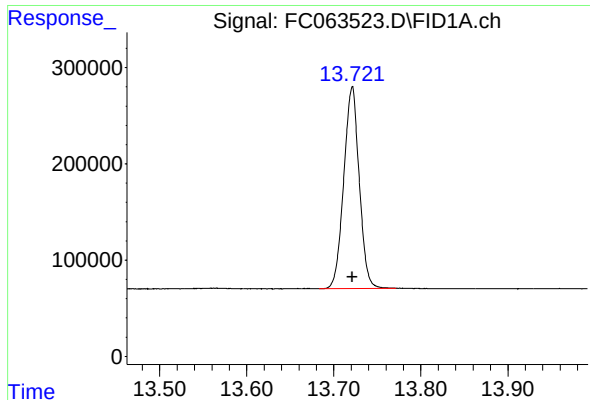
#11 n-Heneicosane (C21)

R.T.: 13.134 min
Delta R.T.: 0.000 min
Response: 2597791
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

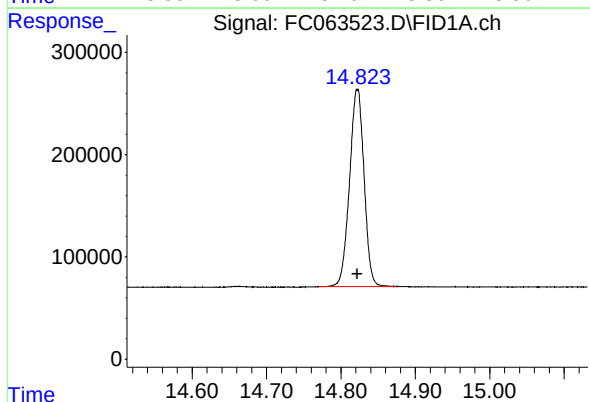
R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 2167659
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

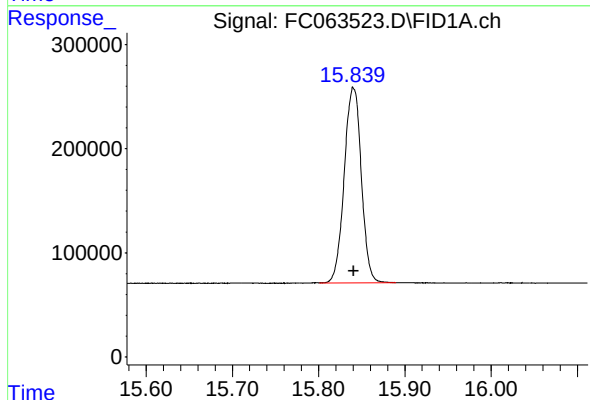
R.T.: 13.721 min
Delta R.T.: 0.000 min
Response: 2587909
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



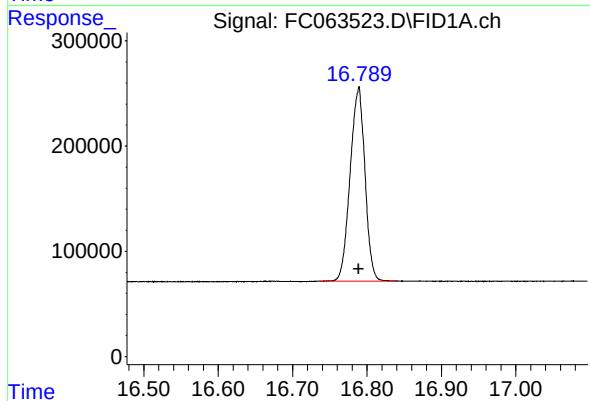
#14 n-Tetracosane (C24)

R.T.: 14.822 min
Delta R.T.: 0.000 min
Response: 2617562
Conc: 20.00 ug/ml



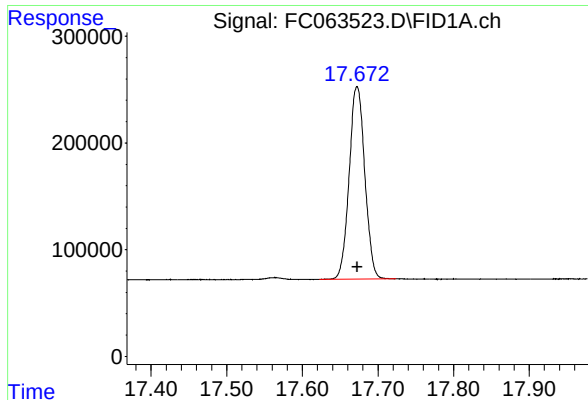
#15 n-Hexacosane (C26)

R.T.: 15.840 min
Delta R.T.: 0.000 min
Response: 2582953
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

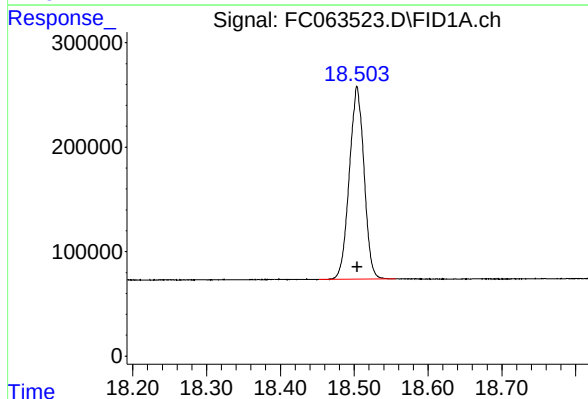
R.T.: 16.789 min
Delta R.T.: 0.000 min
Response: 2550531
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

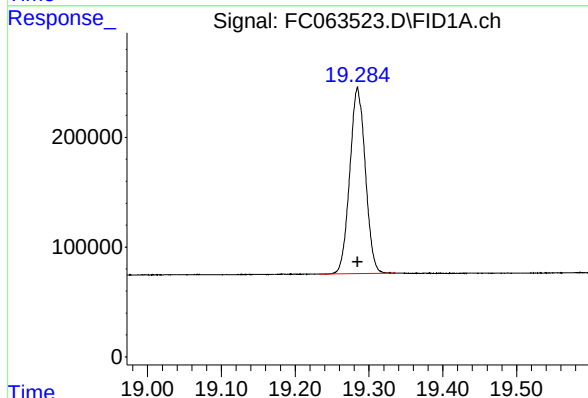
R.T.: 17.672 min
Delta R.T.: 0.000 min
Response: 2594191
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



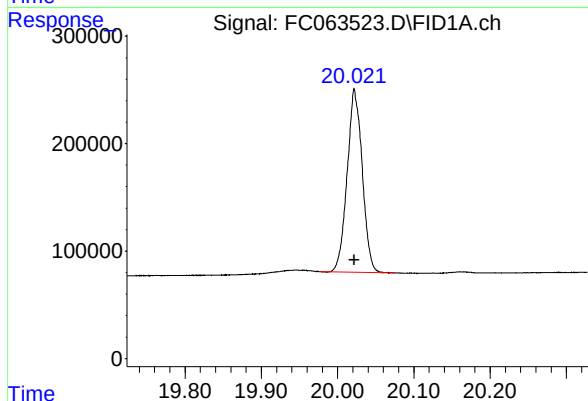
#18 n-Dotriacontane (C32)

R.T.: 18.504 min
Delta R.T.: 0.000 min
Response: 2551340
Conc: 20.00 ug/ml



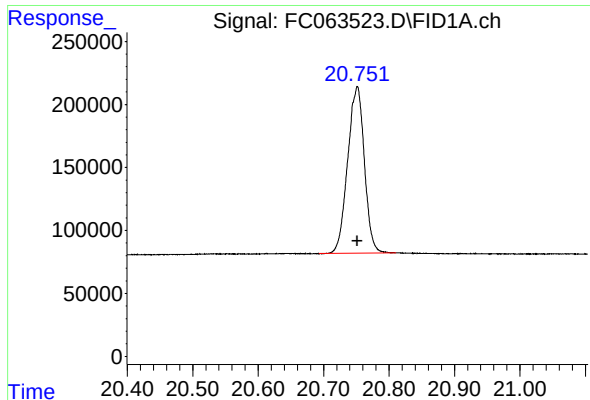
#19 n-Tetatriacontane (C34)

R.T.: 19.284 min
Delta R.T.: 0.000 min
Response: 2482949
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

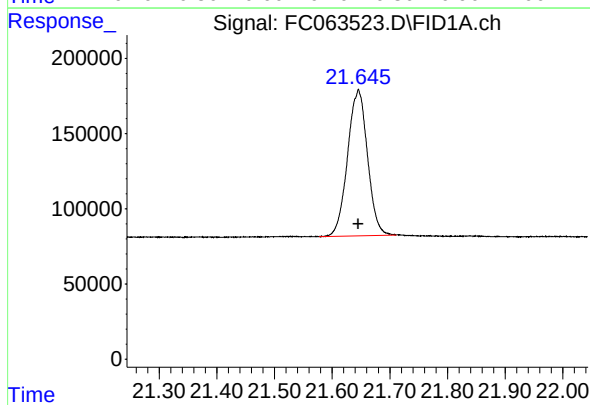
R.T.: 20.022 min
Delta R.T.: 0.000 min
Response: 2344261
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.752 min
Delta R.T.: 0.000 min
Response: 2349770
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.646 min
Delta R.T.: 0.000 min
Response: 2325238
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063523.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 18:47
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.297	3.271	3.342	BB	310776	2654463	84.11%	4.657%
2	4.364	4.328	4.412	BB	290139	2678174	84.86%	4.698%
3	5.949	5.923	6.012	BB	278950	2763431	87.56%	4.848%
4	6.383	6.347	6.424	BB	269191	2665995	84.48%	4.677%
5	7.006	6.971	7.085	BB	238676	2648446	83.92%	4.646%
6	8.178	8.143	8.241	BB	228781	2624063	83.15%	4.603%
7	9.777	9.744	9.837	BB	233965	2681233	84.96%	4.704%
8	11.217	11.182	11.275	BB	232104	2745657	87.00%	4.817%
9	11.531	11.492	11.576	BB	289480	3155892	100.00%	5.536%
10	12.524	12.486	12.569	BB	230007	2634512	83.48%	4.622%
11	12.967	12.930	13.011	BB	180666	2167659	68.69%	3.803%
12	13.134	13.101	13.181	BB	216288	2597791	82.32%	4.557%
13	13.721	13.683	13.771	BB	209964	2587909	82.00%	4.540%
14	14.822	14.771	14.874	BB	191792	2617562	82.94%	4.592%
15	15.840	15.801	15.890	BB	186716	2582953	81.85%	4.531%
16	16.789	16.736	16.839	BB	183958	2550531	80.82%	4.474%
17	17.672	17.622	17.724	BB	180566	2594191	82.20%	4.551%
18	18.504	18.452	18.556	BB	184433	2551340	80.84%	4.476%
19	19.284	19.232	19.336	BB	170371	2482949	78.68%	4.356%
20	20.022	19.976	20.076	BB	170248	2344261	74.28%	4.112%
21	20.752	20.693	20.811	BB	132518	2349770	74.46%	4.122%
22	21.646	21.577	21.711	BB	97447	2325238	73.68%	4.079%
Sum of corrected areas:							57004019	

Aliphatic EPH 050223.M Wed May 03 02:39:30 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063524.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 19:25
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: May 03 00:30:33 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Quant Title : GC Extractables
 QLast Update : Wed May 03 00:30:21 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.530	1622652	10.340 ug/ml
Spiked Amount 50.000		Recovery =	20.68%
12) S 1-chlorooctadecane (S...	12.967	1086351	10.013 ug/ml
Spiked Amount 50.000		Recovery =	20.03%
Target Compounds			
1) T n-Nonane (C9)	3.297	1341371	10.208 ug/ml
2) T n-Decane (C10)	4.364	1351671	10.175 ug/ml
3) T A~Naphthalene (C11.7)	5.951	1344786	9.667 ug/ml
4) T n-Dodecane (C12)	6.382	1344758	10.148 ug/ml
5) T A~2-methylnaphthalene...	7.008	1262476	9.522 ug/ml
6) T n-Tetradecane (C14)	8.177	1278121	9.877 ug/ml
7) T n-Hexadecane (C16)	9.776	1353636	10.149 ug/ml
8) T n-Octadecane (C18)	11.216	1399393	10.282 ug/ml
10) T n-Eicosane (C20)	12.524	1345745	10.304 ug/ml
11) T n-Heneicosane (C21)	13.136	1329668	10.315 ug/ml
13) T n-Docosane (C22)	13.721	1317863	10.276 ug/ml
14) T n-Tetracosane (C24)	14.820	1346089	10.381 ug/ml
15) T n-Hexacosane (C26)	15.840	1322795	10.333 ug/ml
16) T n-Octacosane (C28)	16.788	1307859	10.350 ug/ml
17) T n-Tricontane (C30)	17.672	1335063	10.380 ug/ml
18) T n-Dotriacontane (C32)	18.503	1315532	10.381 ug/ml
19) T n-Tetratriacontane (C34)	19.283	1272432	10.291 ug/ml
20) T n-Hexatriacontane (C36)	20.022	1196267	10.211 ug/ml
21) T n-Octatriacontane (C38)	20.748	1198789	10.423 ug/ml
22) T n-Tetracontane (C40)	21.646	1198064	10.864 ug/ml

(f)=RT Delta > 1/2 Window

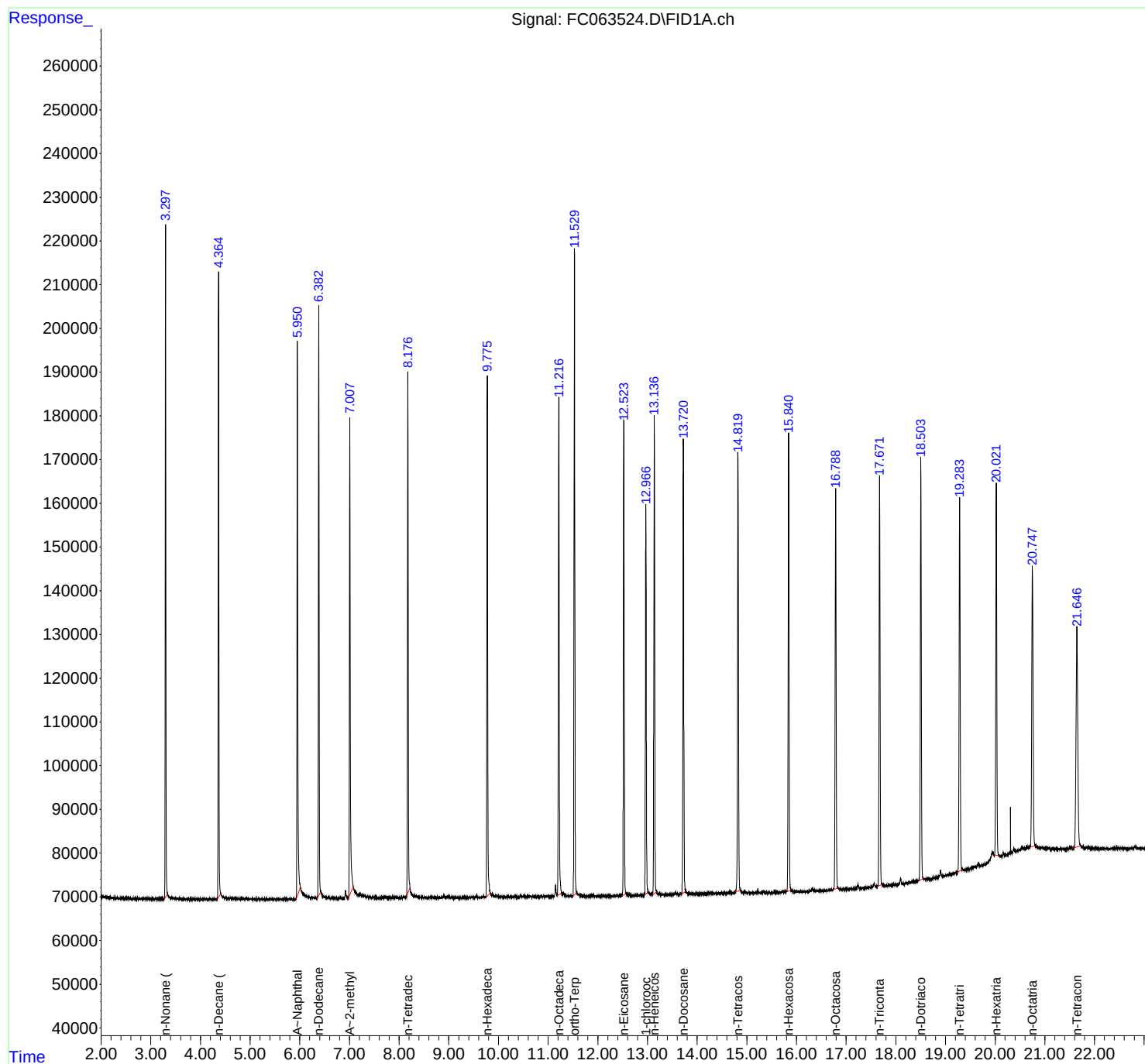
(m)=manual int.

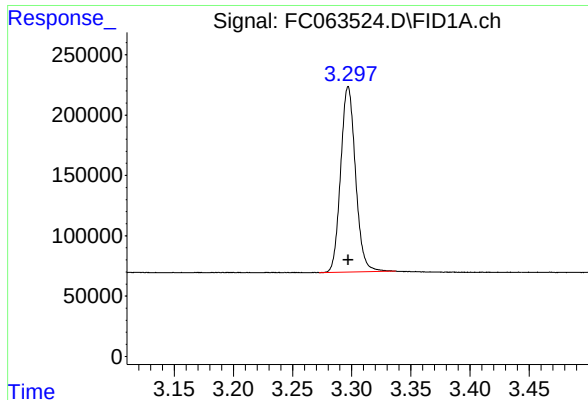
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
Data File : FC063524.D
Signal(s) : FID1A.ch
Acq On : 02 May 2023 19:25
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: May 03 00:30:33 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
Quant Title : GC Extractables
QLast Update : Wed May 03 00:30:21 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

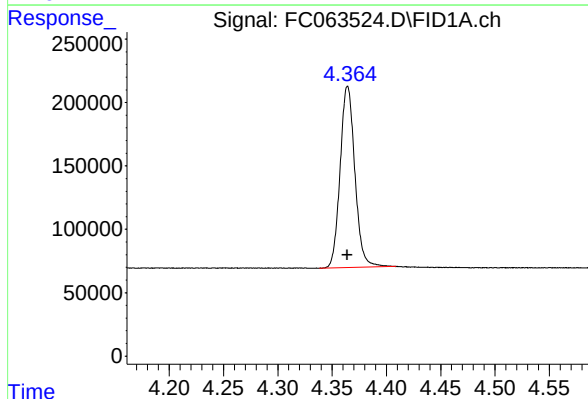




#1 n-Nonane (C9)

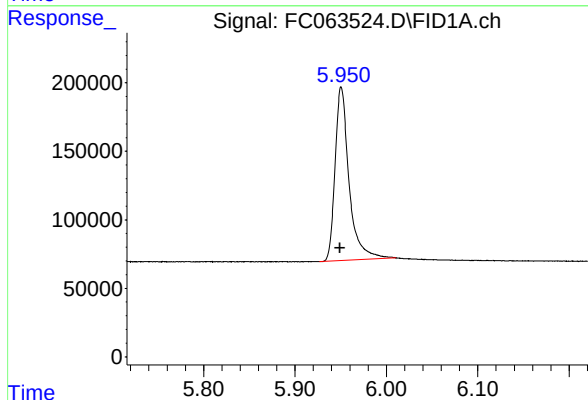
R.T.: 3.297 min
Delta R.T.: 0.000 min
Response: 1341371
Conc: 10.21 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



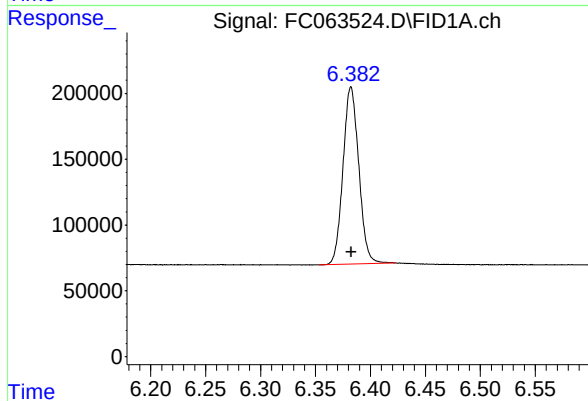
#2 n-Decane (C10)

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1351671
Conc: 10.18 ug/ml



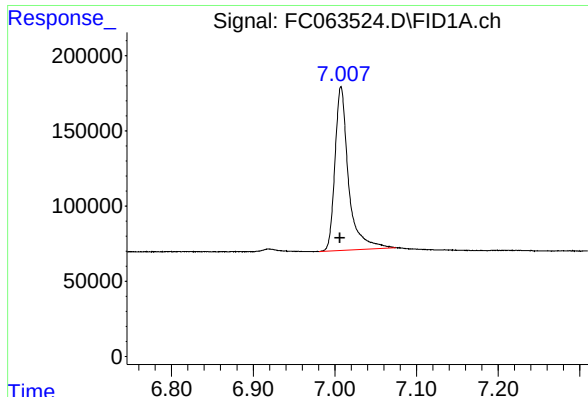
#3 A~Naphthalene (C11.7)

R.T.: 5.951 min
Delta R.T.: 0.002 min
Response: 1344786
Conc: 9.67 ug/ml



#4 n-Dodecane (C12)

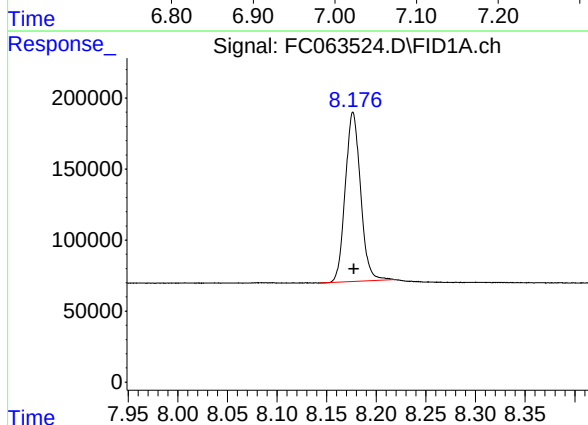
R.T.: 6.382 min
Delta R.T.: 0.000 min
Response: 1344758
Conc: 10.15 ug/ml



#5 A~2-methylnaphthalene (C12.89)

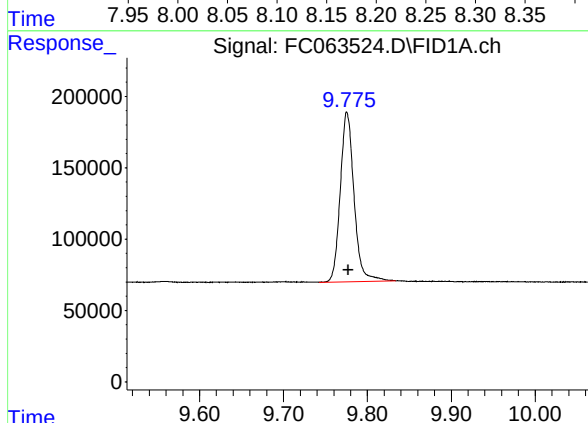
R.T.: 7.008 min
Delta R.T.: 0.001 min
Response: 1262476
Conc: 9.52 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



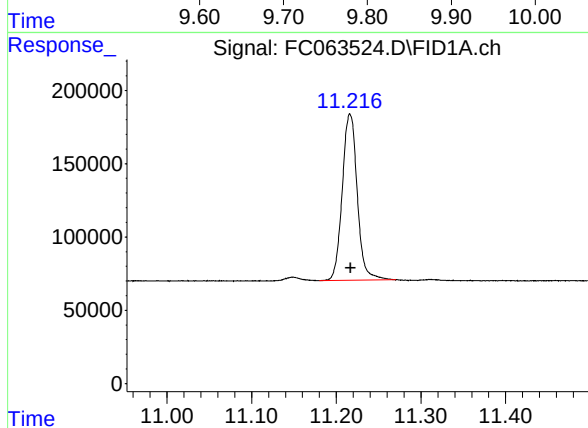
#6 n-Tetradecane (C14)

R.T.: 8.177 min
Delta R.T.: 0.000 min
Response: 1278121
Conc: 9.88 ug/ml



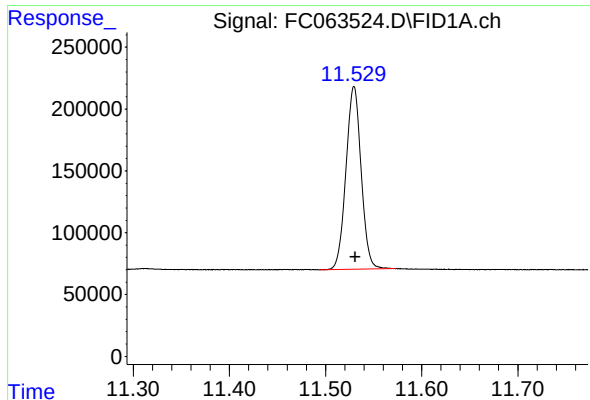
#7 n-Hexadecane (C16)

R.T.: 9.776 min
Delta R.T.: -0.002 min
Response: 1353636
Conc: 10.15 ug/ml



#8 n-Octadecane (C18)

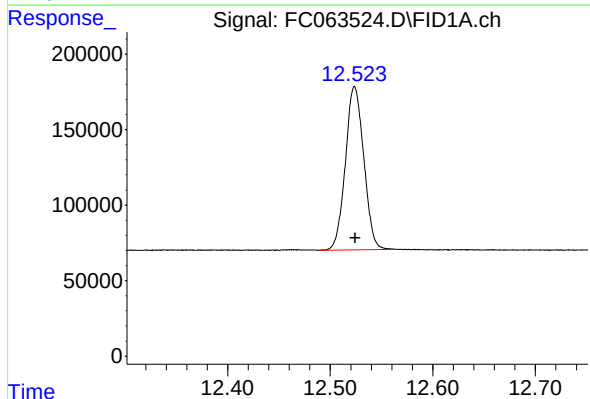
R.T.: 11.216 min
Delta R.T.: 0.000 min
Response: 1399393
Conc: 10.28 ug/ml



#9 ortho-Terphenyl (SURR)

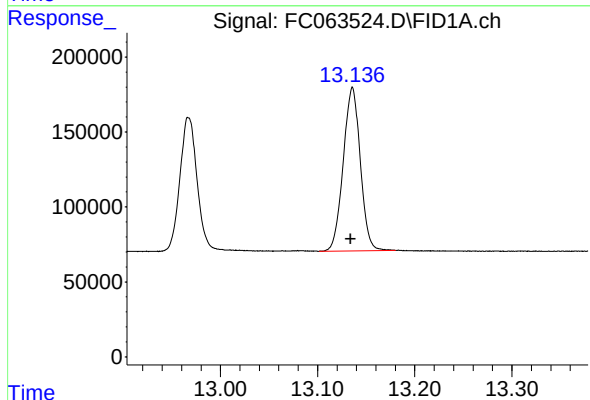
R.T.: 11.530 min
Delta R.T.: -0.001 min
Response: 1622652
Conc: 10.34 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



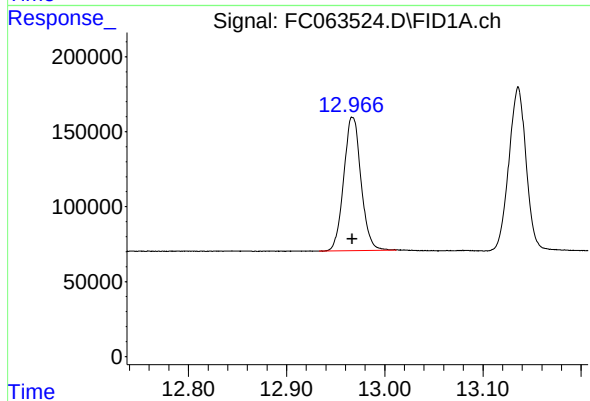
#10 n-Eicosane (C20)

R.T.: 12.524 min
Delta R.T.: 0.000 min
Response: 1345745
Conc: 10.30 ug/ml



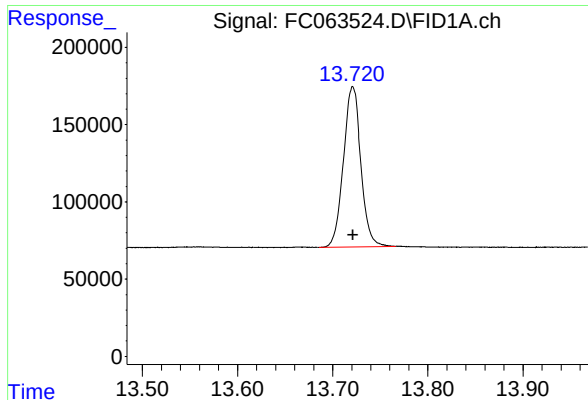
#11 n-Heneicosane (C21)

R.T.: 13.136 min
Delta R.T.: 0.002 min
Response: 1329668
Conc: 10.31 ug/ml



#12 1-chlorooctadecane (SURR)

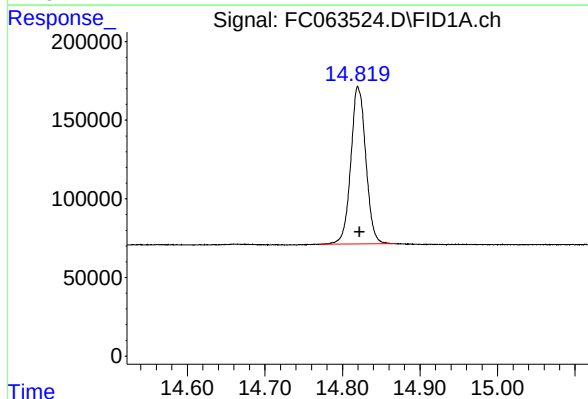
R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 1086351
Conc: 10.01 ug/ml



#13 n-Docosane (C22)

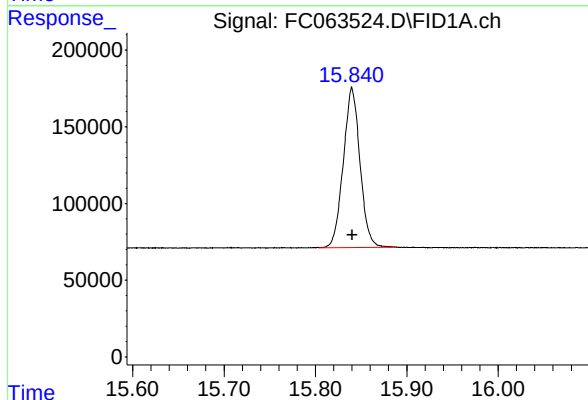
R.T.: 13.721 min
Delta R.T.: 0.000 min
Response: 1317863
Conc: 10.28 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



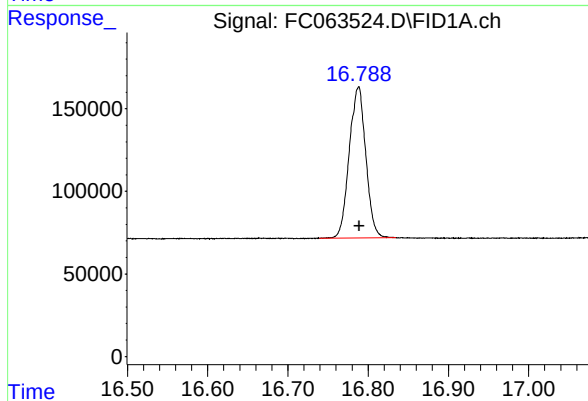
#14 n-Tetracosane (C24)

R.T.: 14.820 min
Delta R.T.: -0.002 min
Response: 1346089
Conc: 10.38 ug/ml



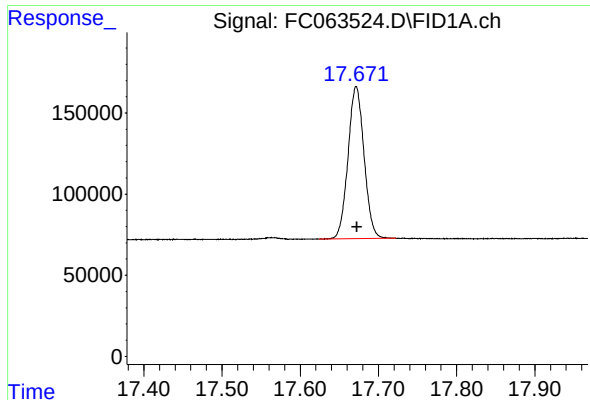
#15 n-Hexacosane (C26)

R.T.: 15.840 min
Delta R.T.: 0.000 min
Response: 1322795
Conc: 10.33 ug/ml



#16 n-Octacosane (C28)

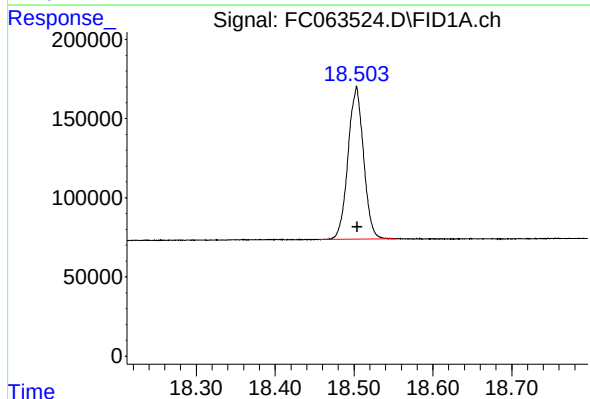
R.T.: 16.788 min
Delta R.T.: 0.000 min
Response: 1307859
Conc: 10.35 ug/ml



#17 n-Tricontane (C30)

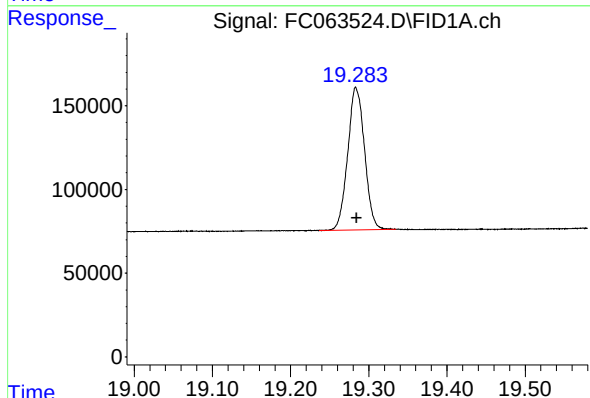
R.T.: 17.672 min
Delta R.T.: 0.000 min
Response: 1335063
Conc: 10.38 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



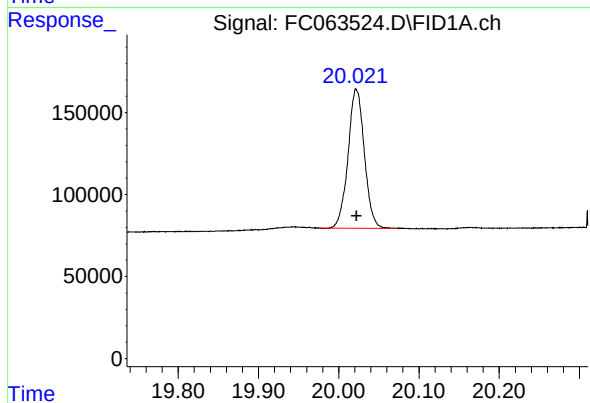
#18 n-Dotriacontane (C32)

R.T.: 18.503 min
Delta R.T.: 0.000 min
Response: 1315532
Conc: 10.38 ug/ml



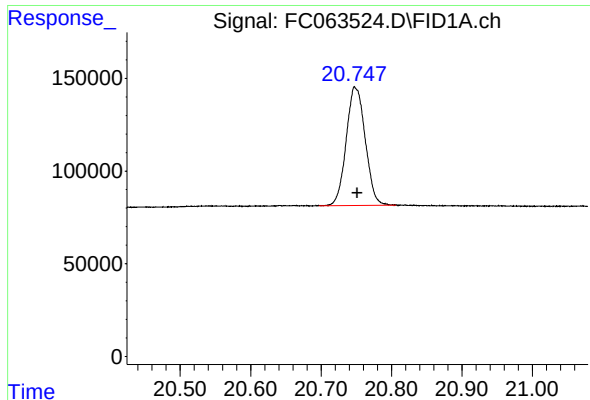
#19 n-Tetatriacontane (C34)

R.T.: 19.283 min
Delta R.T.: -0.001 min
Response: 1272432
Conc: 10.29 ug/ml



#20 n-Hexatriacontane (C36)

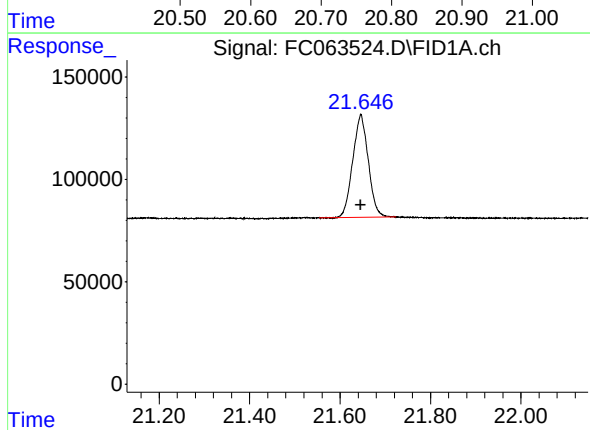
R.T.: 20.022 min
Delta R.T.: 0.000 min
Response: 1196267
Conc: 10.21 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.748 min
Delta R.T.: -0.004 min
Response: 1198789
Conc: 10.42 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.646 min
Delta R.T.: 0.000 min
Response: 1198064
Conc: 10.86 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063524.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 19:25
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.297	3.272	3.337	BB	153766	1341371	82.67%	4.646%
2	4.364	4.338	4.409	BB	143022	1351671	83.30%	4.682%
3	5.951	5.926	6.011	BB	126698	1344786	82.88%	4.658%
4	6.382	6.353	6.423	BB	134796	1344758	82.87%	4.658%
5	7.008	6.981	7.075	BB	109062	1262476	77.80%	4.373%
6	8.177	8.142	8.220	BB	119232	1278121	78.77%	4.427%
7	9.776	9.742	9.834	BB	118722	1353636	83.42%	4.689%
8	11.216	11.180	11.271	BB	113363	1399393	86.24%	4.847%
9	11.530	11.493	11.573	BB	147857	1622652	100.00%	5.620%
10	12.524	12.489	12.564	BB	108291	1345745	82.93%	4.661%
11	12.967	12.933	13.011	BB	88707	1086351	66.95%	3.763%
12	13.136	13.101	13.181	BB	109329	1329668	81.94%	4.605%
13	13.721	13.686	13.766	BB	103685	1317863	81.22%	4.565%
14	14.820	14.770	14.869	BB	100242	1346089	82.96%	4.662%
15	15.840	15.804	15.888	BB	104545	1322795	81.52%	4.582%
16	16.788	16.739	16.835	BB	91415	1307859	80.60%	4.530%
17	17.672	17.624	17.722	BB	93801	1335063	82.28%	4.624%
18	18.503	18.456	18.553	BB	96285	1315532	81.07%	4.557%
19	19.283	19.236	19.335	BB	85382	1272432	78.42%	4.407%
20	20.022	19.976	20.071	BB	84438	1196267	73.72%	4.143%
21	20.748	20.697	20.806	BB	63805	1198789	73.88%	4.152%
22	21.646	21.553	21.723	BB	50386	1198064	73.83%	4.150%
Sum of corrected areas:						28871380		

Aliphatic EPH 050223.M Wed May 03 02:39:54 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063525.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 20:03
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: May 03 00:32:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Quant Title : GC Extractables
 QLast Update : Wed May 03 00:32:07 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.529	817736	5.167 ug/ml
Spiked Amount 50.000		Recovery =	10.33%
12) S 1-chlorooctadecane (S...	12.967	530153	4.909 ug/ml
Spiked Amount 50.000		Recovery =	9.82%
Target Compounds			
1) T n-Nonane (C9)	3.298	665720	5.053 ug/ml
2) T n-Decane (C10)	4.365	660303	4.977 ug/ml
3) T A~Naphthalene (C11.7)	5.952	626200	4.593 ug/ml
4) T n-Dodecane (C12)	6.382	662492	4.999 ug/ml
5) T A~2-methylnaphthalene...	7.009	551074	4.301 ug/ml
6) T n-Tetradecane (C14)	8.176	621167	4.839 ug/ml
7) T n-Hexadecane (C16)	9.775	652157	4.911 ug/ml
8) T n-Octadecane (C18)	11.216	682048	5.009 ug/ml
10) T n-Eicosane (C20)	12.524	674322	5.129 ug/ml
11) T n-Heneicosane (C21)	13.134	660308	5.097 ug/ml
13) T n-Docosane (C22)	13.720	660765	5.121 ug/ml
14) T n-Tetracosane (C24)	14.819	676418	5.172 ug/ml
15) T n-Hexacosane (C26)	15.839	660727	5.128 ug/ml
16) T n-Octacosane (C28)	16.787	655152	5.147 ug/ml
17) T n-Tricontane (C30)	17.672	680662	5.231 ug/ml
18) T n-Dotriacontane (C32)	18.502	686907	5.331 ug/ml
19) T n-Tetratriacontane (C34)	19.283	660045	5.267 ug/ml
20) T n-Hexatriacontane (C36)	20.020	617224	5.213 ug/ml
21) T n-Octatriacontane (C38)	20.748	621087	5.315 ug/ml
22) T n-Tetracontane (C40)	21.647	629361	5.550 ug/ml

(f)=RT Delta > 1/2 Window

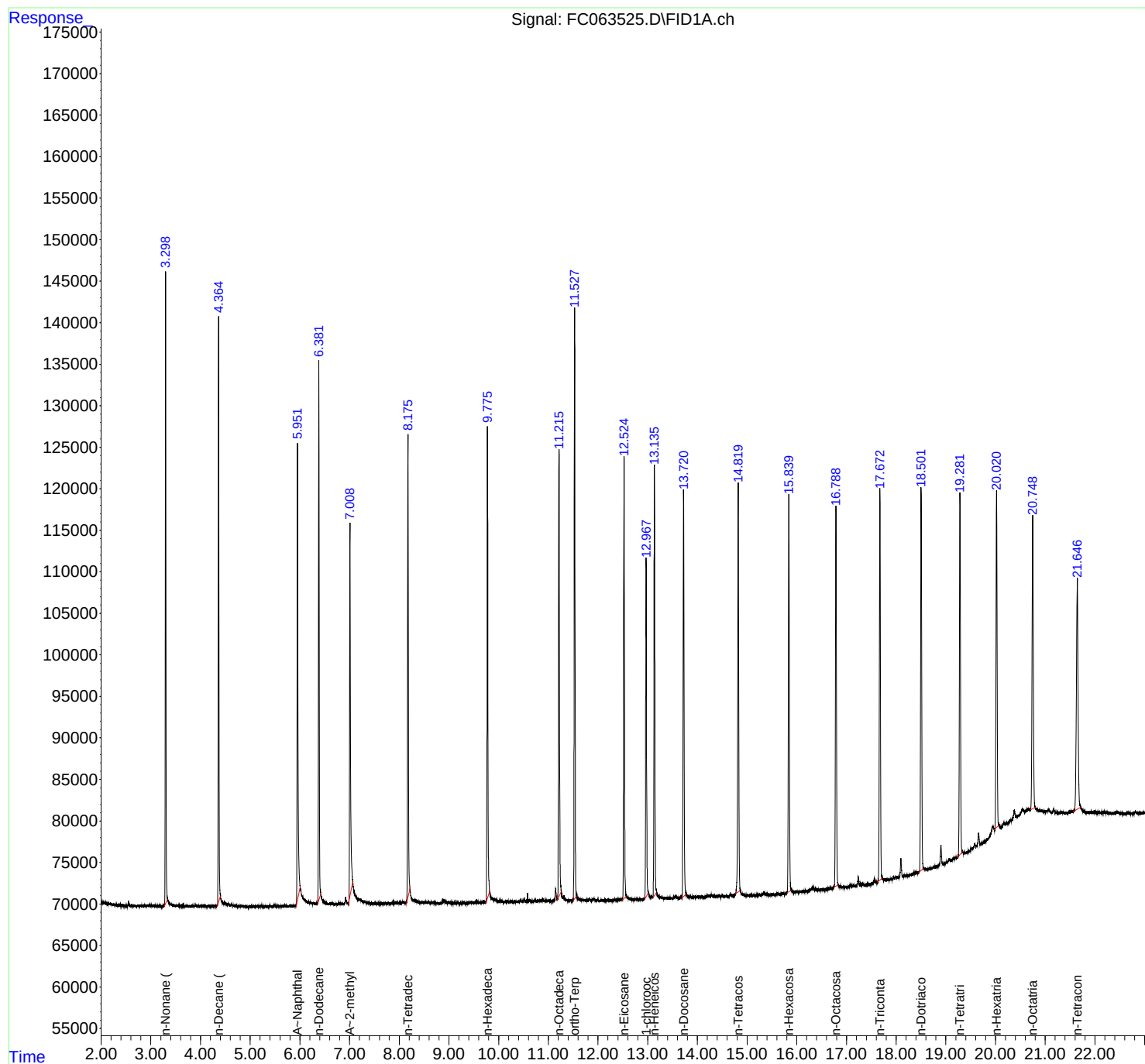
(m)=manual int.

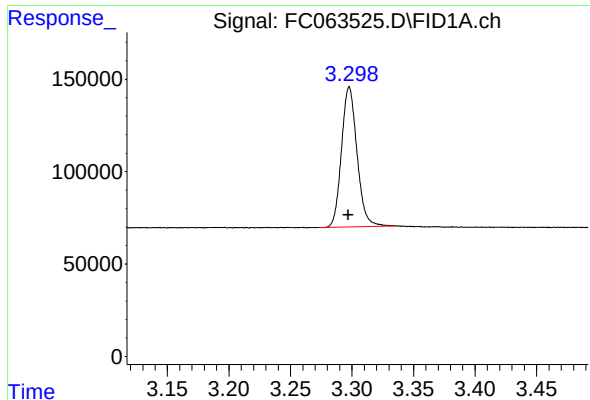
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
Data File : FC063525.D
Signal(s) : FID1A.ch
Acq On : 02 May 2023 20:03
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: May 03 00:32:17 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
Quant Title : GC Extractables
QLast Update : Wed May 03 00:32:07 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

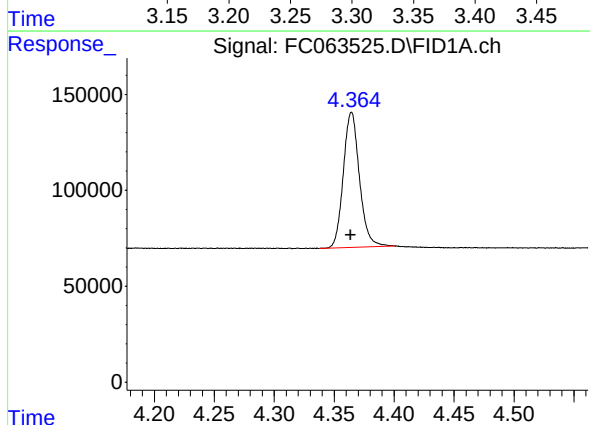




#1 n-Nonane (C9)

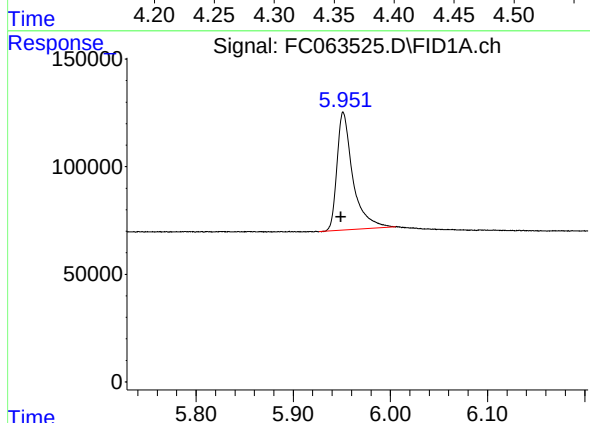
R.T.: 3.298 min
Delta R.T.: 0.000 min
Response: 665720
Conc: 5.05 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



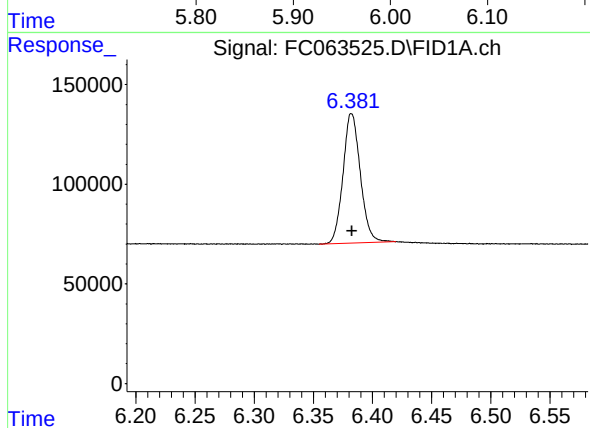
#2 n-Decane (C10)

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 660303
Conc: 4.98 ug/ml



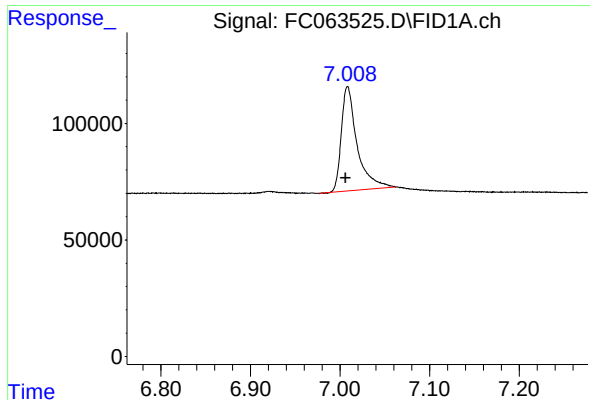
#3 A~Naphthalene (C11.7)

R.T.: 5.952 min
Delta R.T.: 0.003 min
Response: 626200
Conc: 4.59 ug/ml



#4 n-Dodecane (C12)

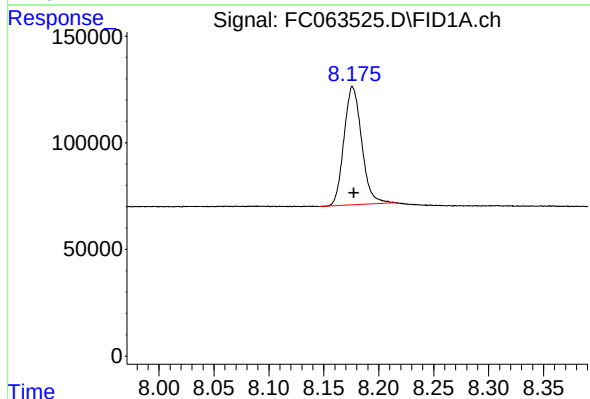
R.T.: 6.382 min
Delta R.T.: 0.000 min
Response: 662492
Conc: 5.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

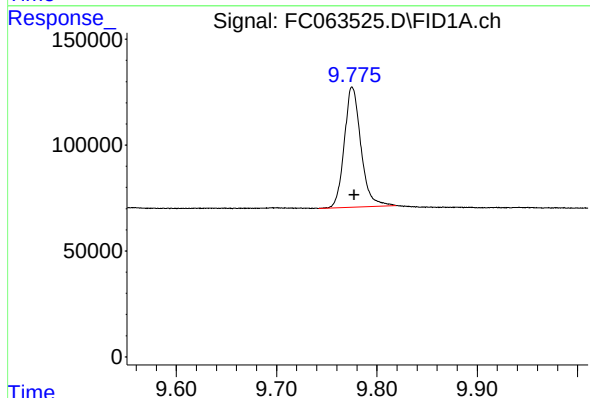
R.T.: 7.009 min
Delta R.T.: 0.002 min
Response: 551074
Conc: 4.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



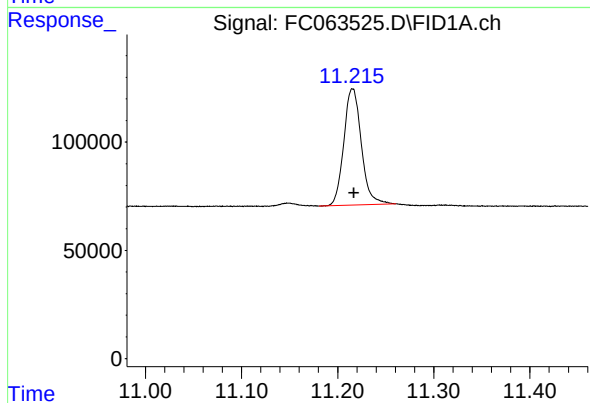
#6 n-Tetradecane (C14)

R.T.: 8.176 min
Delta R.T.: -0.001 min
Response: 621167
Conc: 4.84 ug/ml



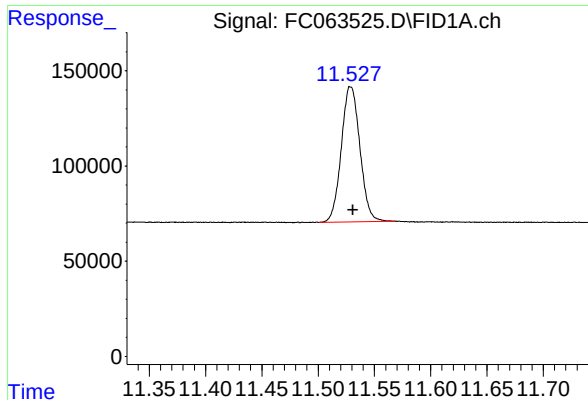
#7 n-Hexadecane (C16)

R.T.: 9.775 min
Delta R.T.: -0.002 min
Response: 652157
Conc: 4.91 ug/ml



#8 n-Octadecane (C18)

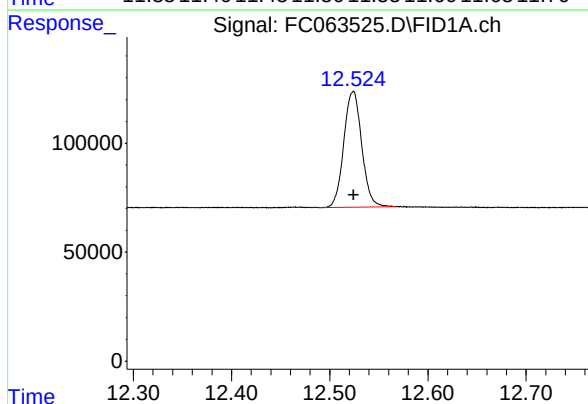
R.T.: 11.216 min
Delta R.T.: -0.002 min
Response: 682048
Conc: 5.01 ug/ml



#9 ortho-Terphenyl (SURR)

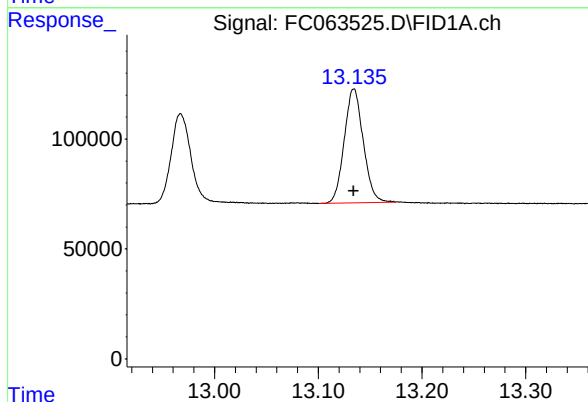
R.T.: 11.529 min
Delta R.T.: -0.002 min
Response: 817736
Conc: 5.17 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



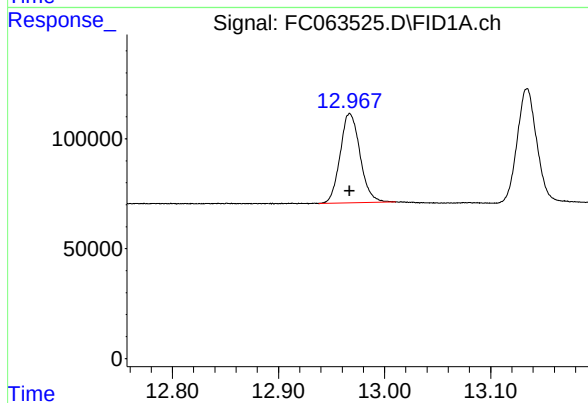
#10 n-Eicosane (C20)

R.T.: 12.524 min
Delta R.T.: 0.000 min
Response: 674322
Conc: 5.13 ug/ml



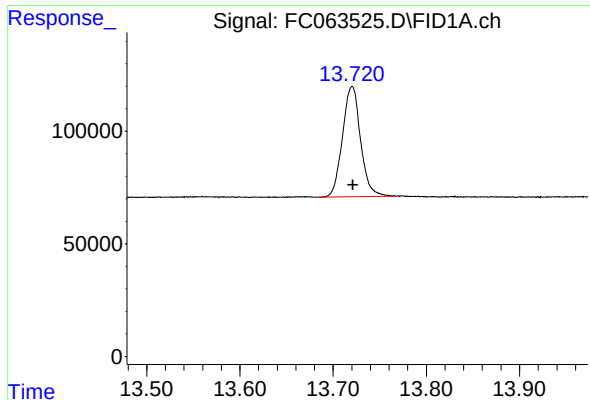
#11 n-Heneicosane (C21)

R.T.: 13.134 min
Delta R.T.: 0.000 min
Response: 660308
Conc: 5.10 ug/ml



#12 1-chlorooctadecane (SURR)

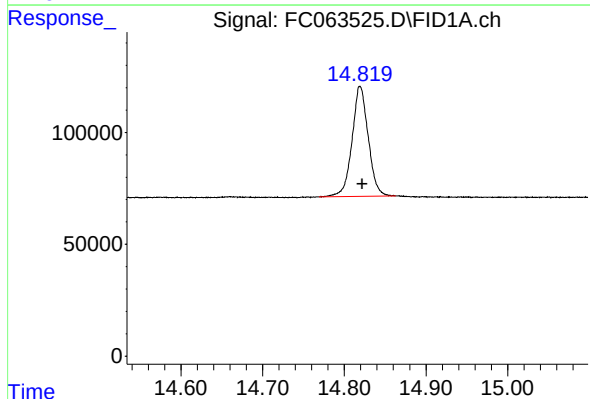
R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 530153
Conc: 4.91 ug/ml



#13 n-Docosane (C22)

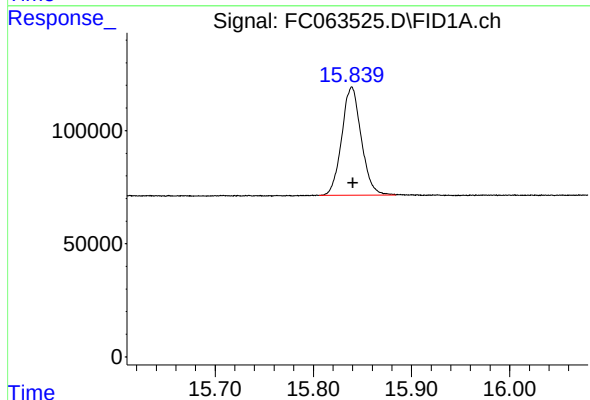
R.T.: 13.720 min
Delta R.T.: 0.000 min
Response: 660765
Conc: 5.12 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



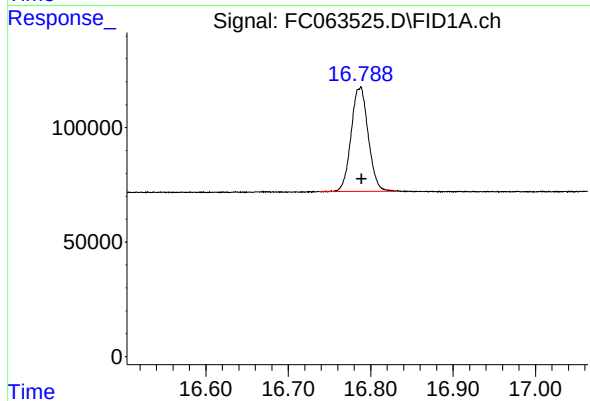
#14 n-Tetracosane (C24)

R.T.: 14.819 min
Delta R.T.: -0.003 min
Response: 676418
Conc: 5.17 ug/ml



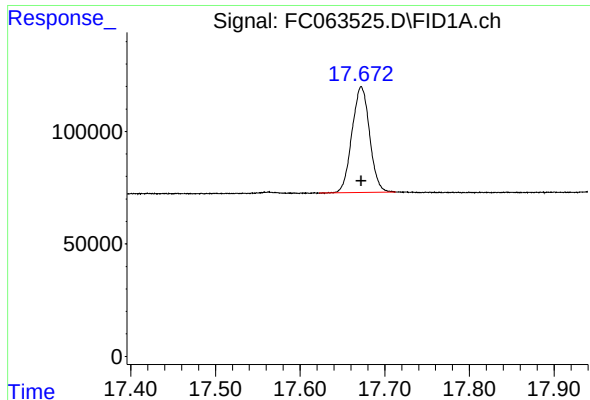
#15 n-Hexacosane (C26)

R.T.: 15.839 min
Delta R.T.: -0.001 min
Response: 660727
Conc: 5.13 ug/ml



#16 n-Octacosane (C28)

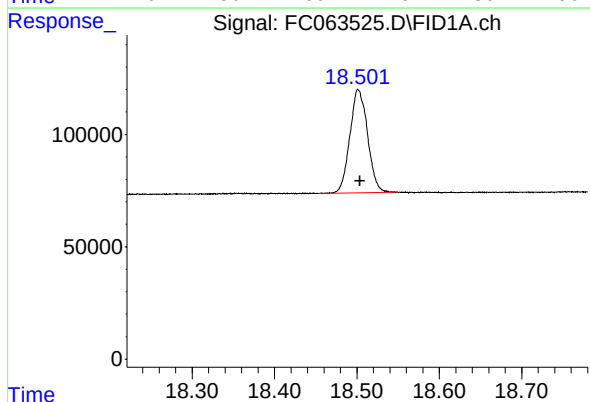
R.T.: 16.787 min
Delta R.T.: -0.001 min
Response: 655152
Conc: 5.15 ug/ml



#17 n-Tricontane (C30)

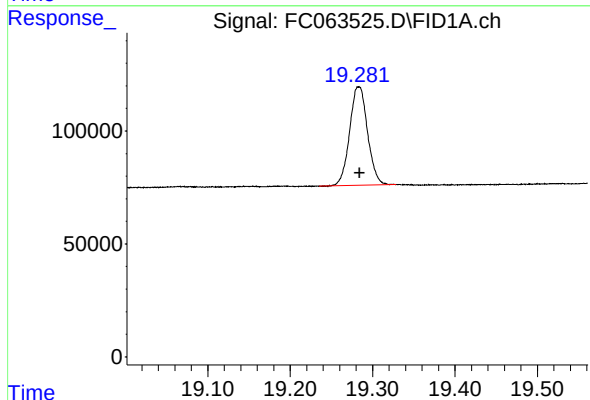
R.T.: 17.672 min
Delta R.T.: 0.000 min
Response: 680662
Conc: 5.23 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



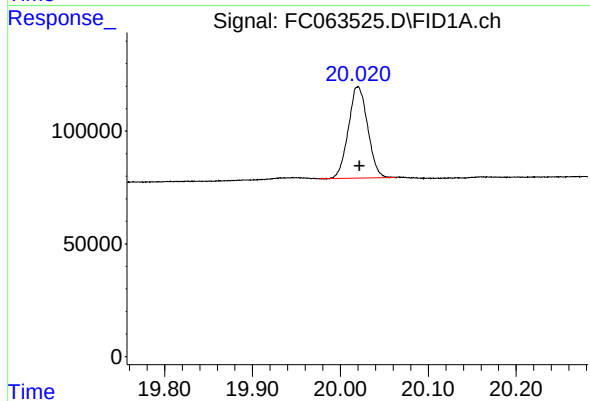
#18 n-Dotriacontane (C32)

R.T.: 18.502 min
Delta R.T.: -0.002 min
Response: 686907
Conc: 5.33 ug/ml



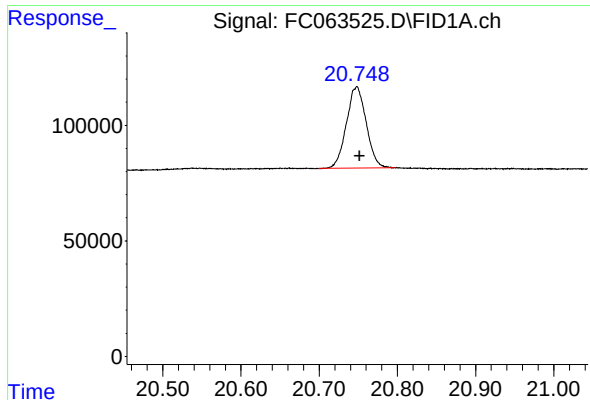
#19 n-Tetatriacontane (C34)

R.T.: 19.283 min
Delta R.T.: -0.001 min
Response: 660045
Conc: 5.27 ug/ml



#20 n-Hexatriacontane (C36)

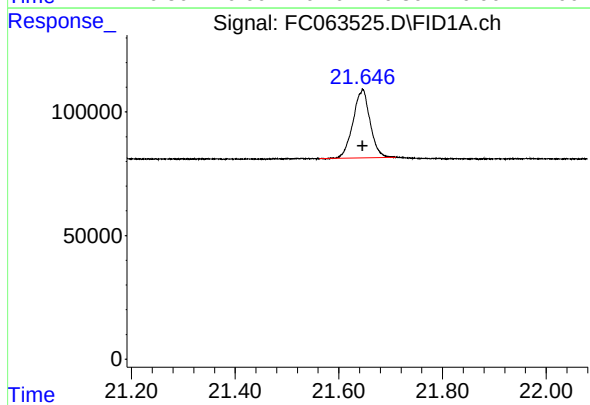
R.T.: 20.020 min
Delta R.T.: -0.002 min
Response: 617224
Conc: 5.21 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.748 min
Delta R.T.: -0.004 min
Response: 621087
Conc: 5.32 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.647 min
Delta R.T.: 0.000 min
Response: 629361
Conc: 5.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
Data File : FC063525.D
Signal(s) : FID1A.ch
Acq On : 02 May 2023 20:03
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.298	3.273	3.336	BB	76140	665720	81.41%	4.639%
2	4.365	4.337	4.401	BB	70617	660303	80.75%	4.601%
3	5.952	5.926	6.006	BB	54879	626200	76.58%	4.363%
4	6.382	6.355	6.420	BB	64798	662492	81.02%	4.616%
5	7.009	6.976	7.062	BB	44870	551074	67.39%	3.840%
6	8.176	8.146	8.216	BB	55389	621167	75.96%	4.328%
7	9.775	9.742	9.819	BB	56709	652157	79.75%	4.544%
8	11.216	11.181	11.261	BB	53633	682048	83.41%	4.752%
9	11.529	11.501	11.569	BB	70853	817736	100.00%	5.698%
10	12.524	12.489	12.567	BB	53177	674322	82.46%	4.698%
11	12.967	12.938	13.011	BB	40868	530153	64.83%	3.694%
12	13.134	13.101	13.175	BB	51792	660308	80.75%	4.601%
13	13.720	13.685	13.767	BB	49053	660765	80.80%	4.604%
14	14.819	14.769	14.863	BB	49134	676418	82.72%	4.713%
15	15.839	15.806	15.884	BB	47844	660727	80.80%	4.604%
16	16.787	16.737	16.831	BB	45289	655152	80.12%	4.565%
17	17.672	17.622	17.713	BB	47092	680662	83.24%	4.743%
18	18.502	18.454	18.547	BB	45940	686907	84.00%	4.786%
19	19.283	19.235	19.328	BB	43523	660045	80.72%	4.599%
20	20.020	19.976	20.063	BB	40537	617224	75.48%	4.301%
21	20.748	20.700	20.798	BB	35353	621087	75.95%	4.328%
22	21.647	21.562	21.710	BB	27647	629361	76.96%	4.385%
Sum of corrected areas:							14352029	

Aliphatic EPH 050223.M Wed May 03 02:40:22 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063526.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 21:59
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: May 03 01:11:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Quant Title : GC Extractables
 QLast Update : Wed May 03 00:33:18 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.529	3184771	20.124 ug/ml
Spiked Amount 50.000		Recovery =	40.25%
12) S 1-chlorooctadecane (S...	12.967	2169712	20.090 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
Target Compounds			
1) T n-Nonane (C9)	3.297	2663448	20.215 ug/ml
2) T n-Decane (C10)	4.364	2690602	20.278 ug/ml
3) T A~Naphthalene (C11.7)	5.948	2793888	20.493 ug/ml
4) T n-Dodecane (C12)	6.382	2686468	20.273 ug/ml
5) T A~2-methylnaphthalene...	7.006	2643417	20.633 ug/ml
6) T n-Tetradecane (C14)	8.177	2634906	20.525 ug/ml
7) T n-Hexadecane (C16)	9.777	2704189	20.366 ug/ml
8) T n-Octadecane (C18)	11.217	2765834	20.312 ug/ml
10) T n-Eicosane (C20)	12.524	2653899	20.188 ug/ml
11) T n-Heneicosane (C21)	13.135	2615731	20.193 ug/ml
13) T n-Docosane (C22)	13.722	2604517	20.186 ug/ml
14) T n-Tetracosane (C24)	14.822	2635649	20.152 ug/ml
15) T n-Hexacosane (C26)	15.839	2596157	20.149 ug/ml
16) T n-Octacosane (C28)	16.787	2557319	20.090 ug/ml
17) T n-Tricontane (C30)	17.672	2600397	19.984 ug/ml
18) T n-Dotriacontane (C32)	18.503	2547646	19.771 ug/ml
19) T n-Tetratriacontane (C34)	19.285	2455101	19.591 ug/ml
20) T n-Hexatriacontane (C36)	20.022	2296515	19.395 ug/ml
21) T n-Octatriacontane (C38)	20.750	2129266	18.221 ug/ml
22) T n-Tetracontane (C40)	21.647	1883354	16.609 ug/ml

(f)=RT Delta > 1/2 Window

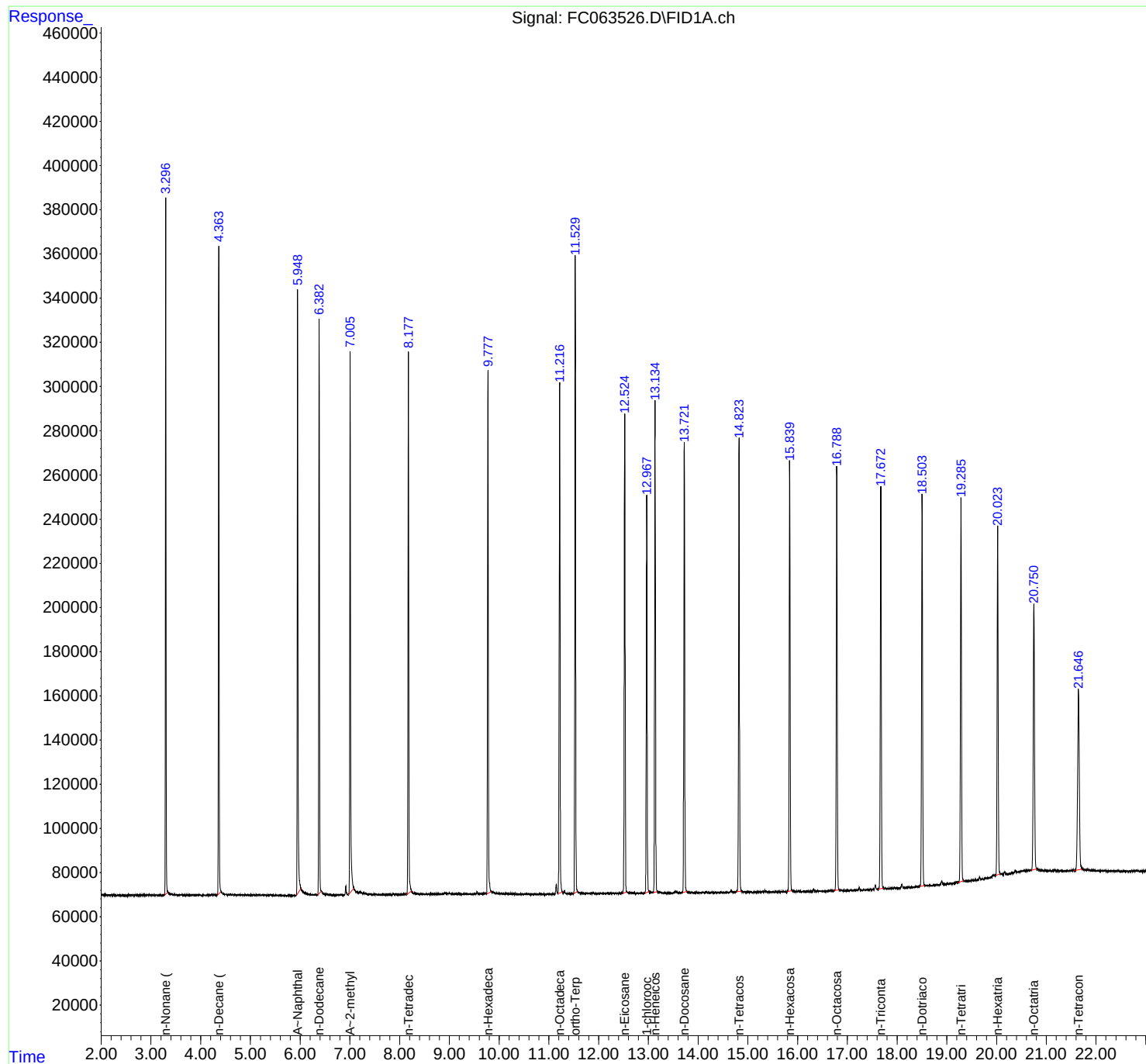
(m)=manual int.

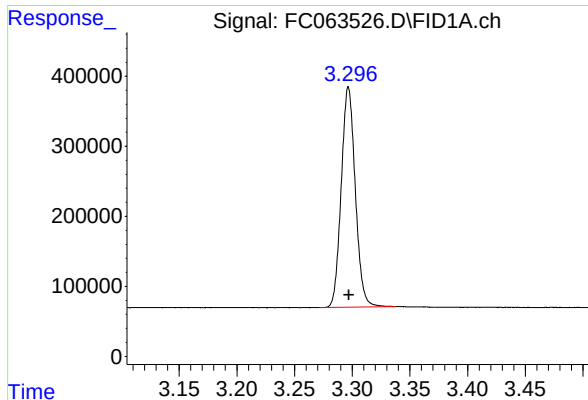
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
Data File : FC063526.D
Signal(s) : FID1A.ch
Acq On : 02 May 2023 21:59
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: May 03 01:11:49 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
Quant Title : GC Extractables
QLast Update : Wed May 03 00:33:18 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

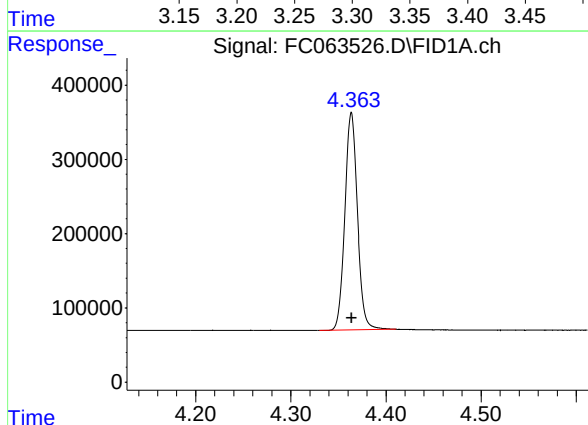
R.T.: 3.297 min
Delta R.T.: 0.000 min
Response: 2663448
Conc: 20.21 ug/ml

Instrument :

FID_C

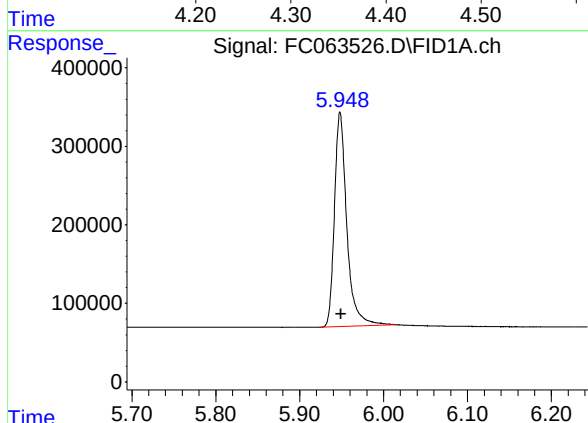
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



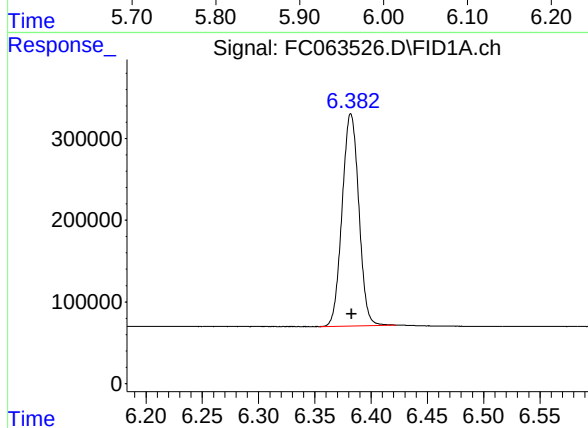
#2 n-Decane (C10)

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 2690602
Conc: 20.28 ug/ml



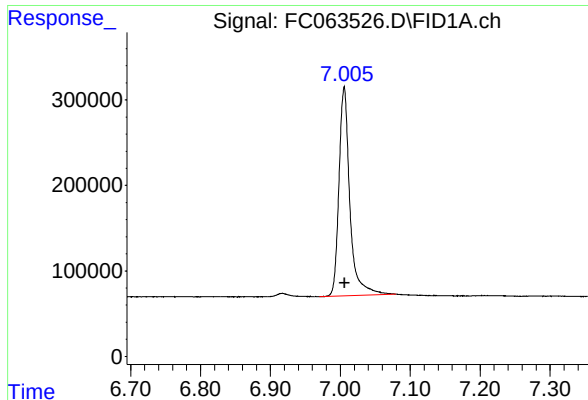
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 2793888
Conc: 20.49 ug/ml



#4 n-Dodecane (C12)

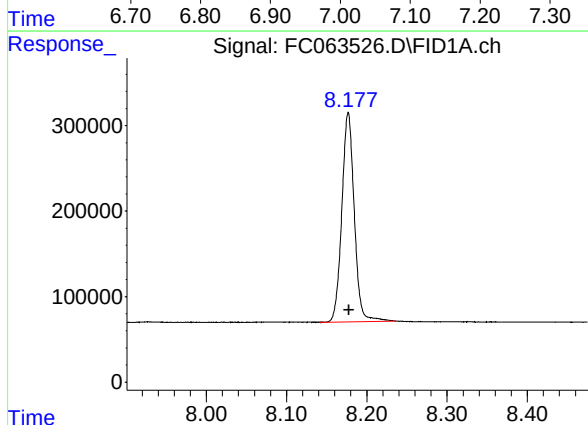
R.T.: 6.382 min
Delta R.T.: 0.000 min
Response: 2686468
Conc: 20.27 ug/ml



#5 A~2-methylnaphthalene (C12.89)

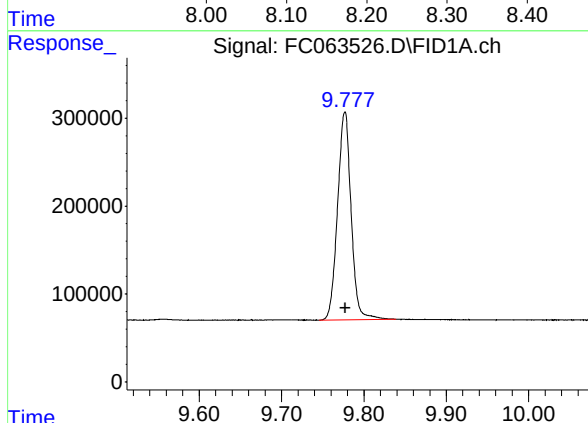
R.T.: 7.006 min
Delta R.T.: 0.000 min
Response: 2643417
Conc: 20.63 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



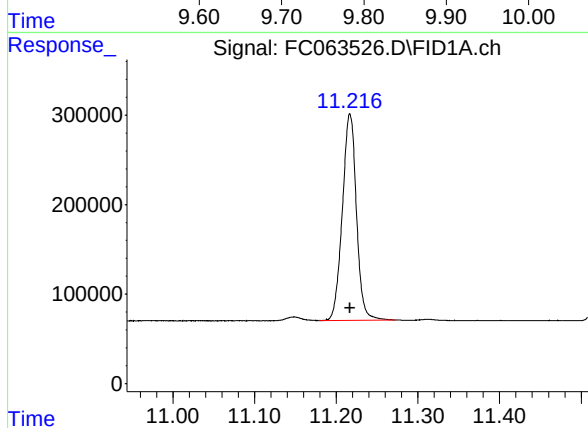
#6 n-Tetradecane (C14)

R.T.: 8.177 min
Delta R.T.: 0.000 min
Response: 2634906
Conc: 20.53 ug/ml



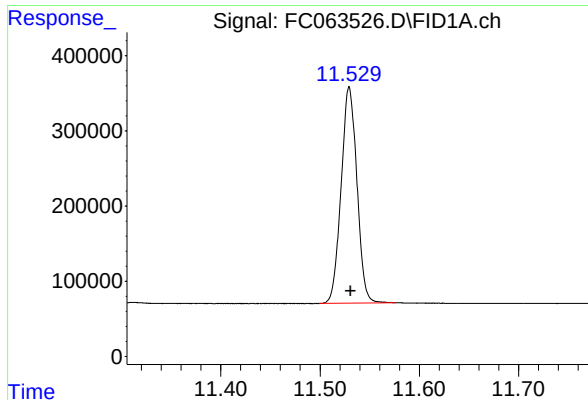
#7 n-Hexadecane (C16)

R.T.: 9.777 min
Delta R.T.: 0.000 min
Response: 2704189
Conc: 20.37 ug/ml



#8 n-Octadecane (C18)

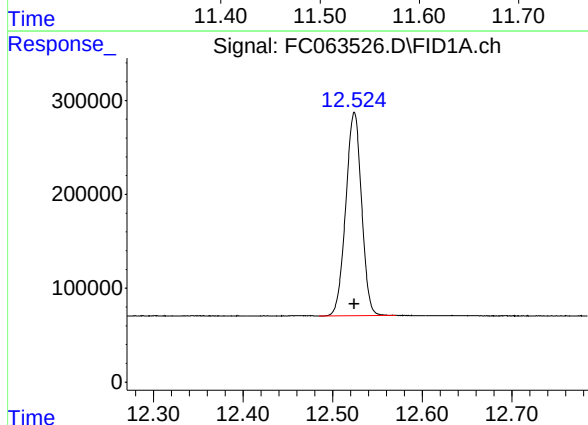
R.T.: 11.217 min
Delta R.T.: 0.000 min
Response: 2765834
Conc: 20.31 ug/ml



#9 ortho-Terphenyl (SURR)

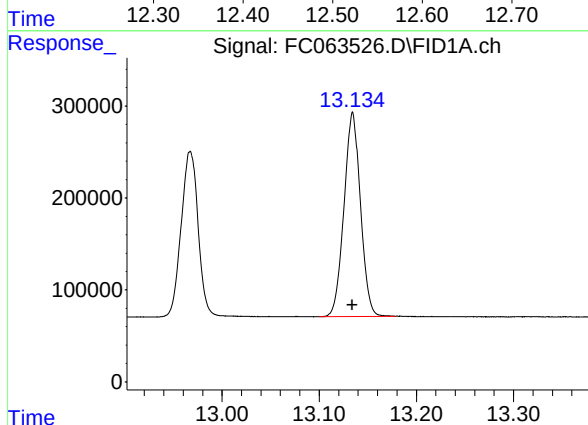
R.T.: 11.529 min
Delta R.T.: -0.002 min
Response: 3184771
Conc: 20.12 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



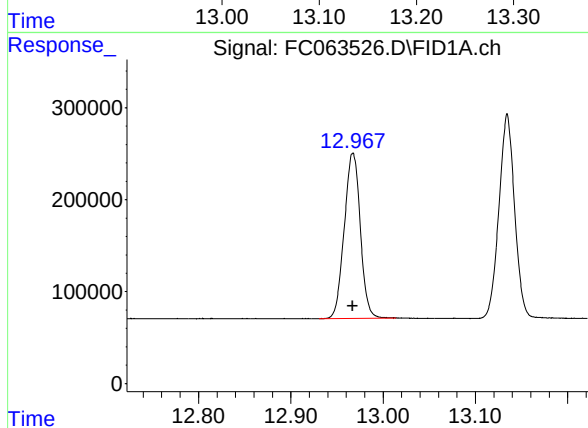
#10 n-Eicosane (C20)

R.T.: 12.524 min
Delta R.T.: 0.000 min
Response: 2653899
Conc: 20.19 ug/ml



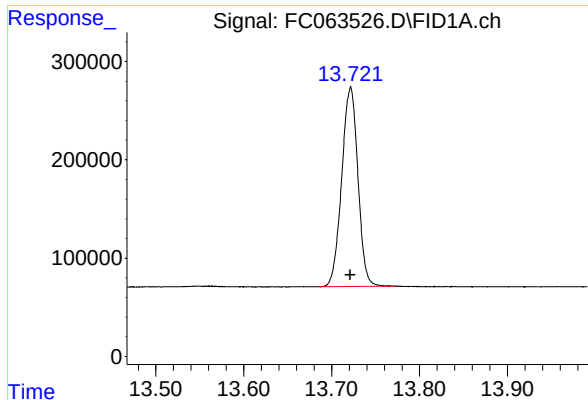
#11 n-Heneicosane (C21)

R.T.: 13.135 min
Delta R.T.: 0.000 min
Response: 2615731
Conc: 20.19 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 2169712
Conc: 20.09 ug/ml



#13 n-Docosane (C22)

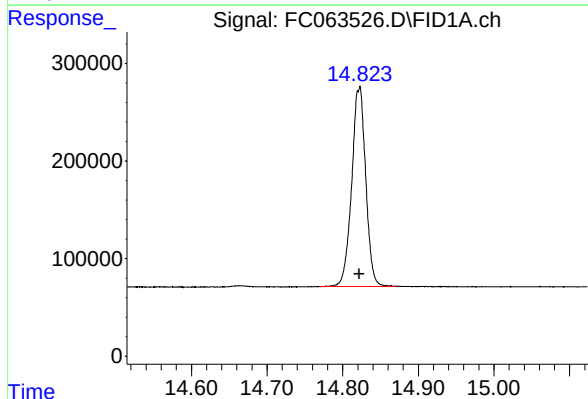
R.T.: 13.722 min
Delta R.T.: 0.000 min
Response: 2604517
Conc: 20.19 ug/ml

Instrument :

FID_C

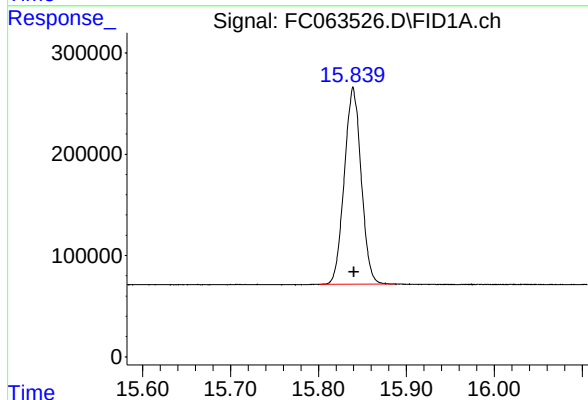
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



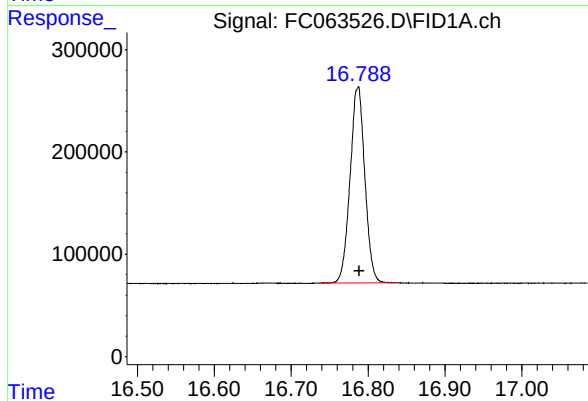
#14 n-Tetracosane (C24)

R.T.: 14.822 min
Delta R.T.: 0.000 min
Response: 2635649
Conc: 20.15 ug/ml



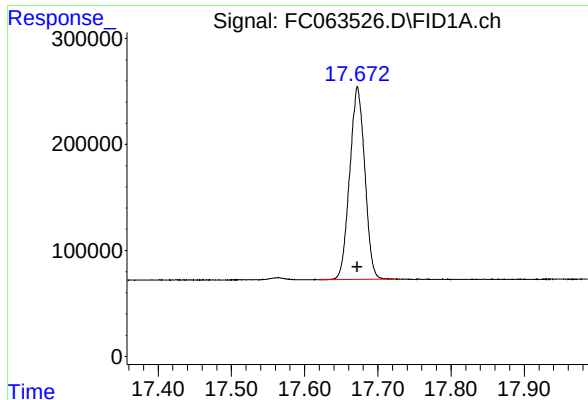
#15 n-Hexacosane (C26)

R.T.: 15.839 min
Delta R.T.: 0.000 min
Response: 2596157
Conc: 20.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.787 min
Delta R.T.: -0.002 min
Response: 2557319
Conc: 20.09 ug/ml



#17 n-Tricontane (C30)

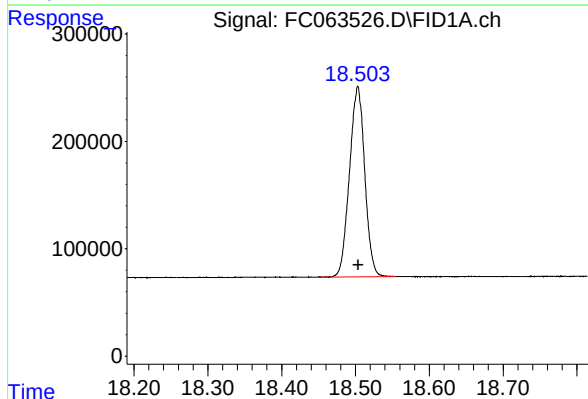
R.T.: 17.672 min
Delta R.T.: 0.000 min
Response: 2600397
Conc: 19.98 ug/ml

Instrument :

FID_C

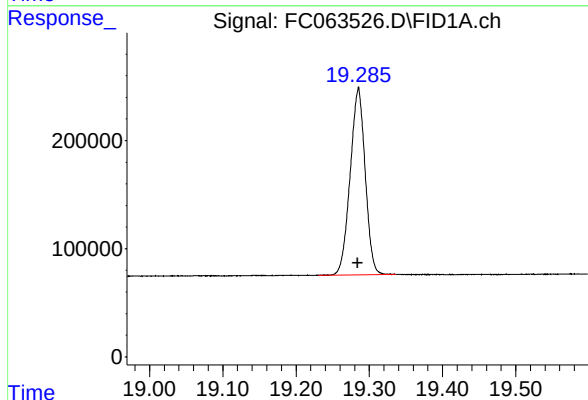
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



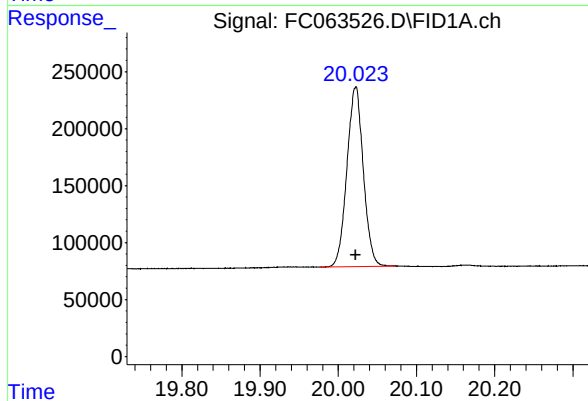
#18 n-Dotriacontane (C32)

R.T.: 18.503 min
Delta R.T.: 0.000 min
Response: 2547646
Conc: 19.77 ug/ml



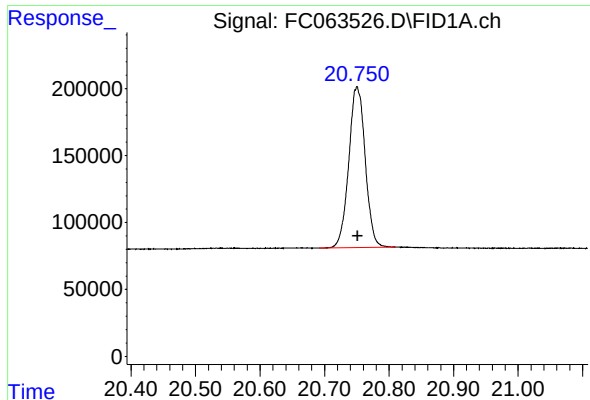
#19 n-Tetatriacontane (C34)

R.T.: 19.285 min
Delta R.T.: 0.000 min
Response: 2455101
Conc: 19.59 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.022 min
Delta R.T.: 0.000 min
Response: 2296515
Conc: 19.39 ug/ml



#21 n-Octatriacontane (C38)

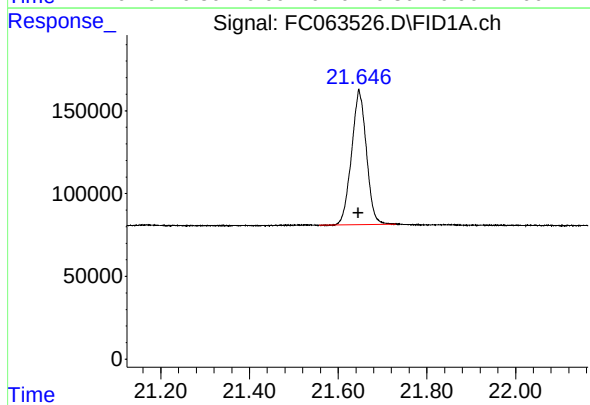
R.T.: 20.750 min
Delta R.T.: -0.002 min
Response: 2129266
Conc: 18.22 ug/ml

Instrument :

FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.647 min
Delta R.T.: 0.001 min
Response: 1883354
Conc: 16.61 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050223AL\
 Data File : FC063526.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2023 21:59
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050223.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.297	3.271	3.338	BB	314514	2663448	83.63%	4.713%
2	4.364	4.330	4.411	BB	293466	2690602	84.48%	4.761%
3	5.948	5.923	6.015	BB	273220	2793888	87.73%	4.944%
4	6.382	6.354	6.422	BB	260106	2686468	84.35%	4.754%
5	7.006	6.970	7.080	BB	244620	2643417	83.00%	4.678%
6	8.177	8.141	8.236	BB	245184	2634906	82.73%	4.662%
7	9.777	9.746	9.839	BB	236458	2704189	84.91%	4.785%
8	11.217	11.179	11.273	BB	230516	2765834	86.85%	4.894%
9	11.529	11.499	11.576	BB	288336	3184771	100.00%	5.635%
10	12.524	12.485	12.571	BB	216806	2653899	83.33%	4.696%
11	12.967	12.931	13.014	BB	179608	2169712	68.13%	3.839%
12	13.135	13.100	13.179	BB	222721	2615731	82.13%	4.629%
13	13.722	13.686	13.773	BB	203261	2604517	81.78%	4.609%
14	14.822	14.769	14.871	BB	203693	2635649	82.76%	4.664%
15	15.839	15.801	15.888	BB	194458	2596157	81.52%	4.594%
16	16.787	16.736	16.836	BB	191400	2557319	80.30%	4.525%
17	17.672	17.620	17.725	BB	181954	2600397	81.65%	4.601%
18	18.503	18.451	18.555	BB	177633	2547646	79.99%	4.508%
19	19.285	19.231	19.336	BB	173991	2455101	77.09%	4.344%
20	20.022	19.976	20.074	BB	157438	2296515	72.11%	4.064%
21	20.750	20.691	20.811	BB	120151	2129266	66.86%	3.768%
22	21.647	21.557	21.730	BB	81680	1883354	59.14%	3.333%
Sum of corrected areas:							56512783	

Aliphatic EPH 050223.M Wed May 03 02:40:45 2023

Initial Calibration Report for SequenceID : FD042123AR

AreaCount

Parameter Range	FD045518.D	FD045519.D	FD045520.D	FD045521.D	FD045522.D	
Aromatic C10-C12	32329593.000	16000197.000	6584411.000	3646410.000	1781606.000	
Aromatic C12-C16	47199974.000	23140071.000	9363335.000	5151177.000	2474457.000	
Aromatic C16-C21	56234431.000	27586585.000	11165552.000	6149575.000	2959192.000	
Aromatic C21-C36	116050410.000	57075550.000	23447256.000	12730965.000	6333566.000	
Aromatic EPH	251814408.000	123802403.000	50560554.000	27678127.000	13548821.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	169348.262	6.015				
Aromatic C12-C16	160865.1339998	4.541				
Aromatic C16-C21	143957.4755	4.642				
Aromatic C21-C36	133648.613333	5.175				
Aromatic EPH	144442.1859996	4.995				

Concentration

Parameter Range	FD045518.D	FD045519.D	FD045520.D	FD045521.D	FD045522.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD045518.D	FD045519.D	FD045520.D	FD045521.D	FD045522.D	
Aromatic C10-C12	161647.965000	160001.970000	164610.275000	182320.500000	178160.600000	
Aromatic C12-C16	157333.246666	154267.140000	156055.583333	171705.900000	164963.800000	
Aromatic C16-C21	140586.077500	137932.925000	139569.400000	153739.375000	147959.600000	
Aromatic C21-C36	128944.900000	126834.555555	130262.533333	141455.166666	140745.911111	
Aromatic EPH	139896.893333	137558.225555	140445.983333	153767.372222	150542.455555	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045518.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 15:37
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/24/2023
 Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e
 Quant Time: Apr 24 08:33:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 24 08:30:38 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.552	14144015	97.831 ug/ml
Spiked Amount 50.000		Recovery =	195.66%
6) S 2-Fluorobiphenyl (SURR)	8.409	9321712	99.966 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	199.93%#
11) S ortho-Terphenyl (SURR)	11.450	17407295	97.265 ug/ml
Spiked Amount 50.000		Recovery =	194.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.359	15912013	94.967 ug/ml
2) T Naphthalene (C11.7)	5.892	16417580	95.929 ug/ml
3) T 2-Methylnaphthalene (...)	6.942	16432740	97.128 ug/ml
5) T Acenaphthylene (C15.06)	8.214	14848045	98.150 ug/ml
7) T Acenaphthene (C15.5)	8.512	15919189	98.188 ug/ml
8) T Fluorene (C16.55)	9.289	15375771	99.821 ug/ml
9) T Phenanthrene (C19.36)	10.680	14792070	99.162 ug/ml
10) T Anthracene (C19.43)	10.755	11949689	92.509 ug/ml
12) T Fluoranthene (C21.85)	12.487	14455903	98.221 ug/ml
13) T Pyrene (C20.8)	12.783	14116901	98.410 ug/ml
14) T Benzo[a]anthracene (C...	14.646	12910601	98.520 ug/ml
15) T Chrysene (C27.41)	14.694	13413522	98.261 ug/ml
16) T benzo[b]fluoranthene ...	16.191	13258368	99.295 ug/ml
17) T Bnezo[k]fluoranthene ...	16.231	12754672	94.635 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.570	12625110	98.667 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.929	12340580	98.239 ug/ml
20) T Dibenz[a,h]anthracene...	17.971	11653337	84.689 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.189	12638317	96.469 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045518.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 15:37
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

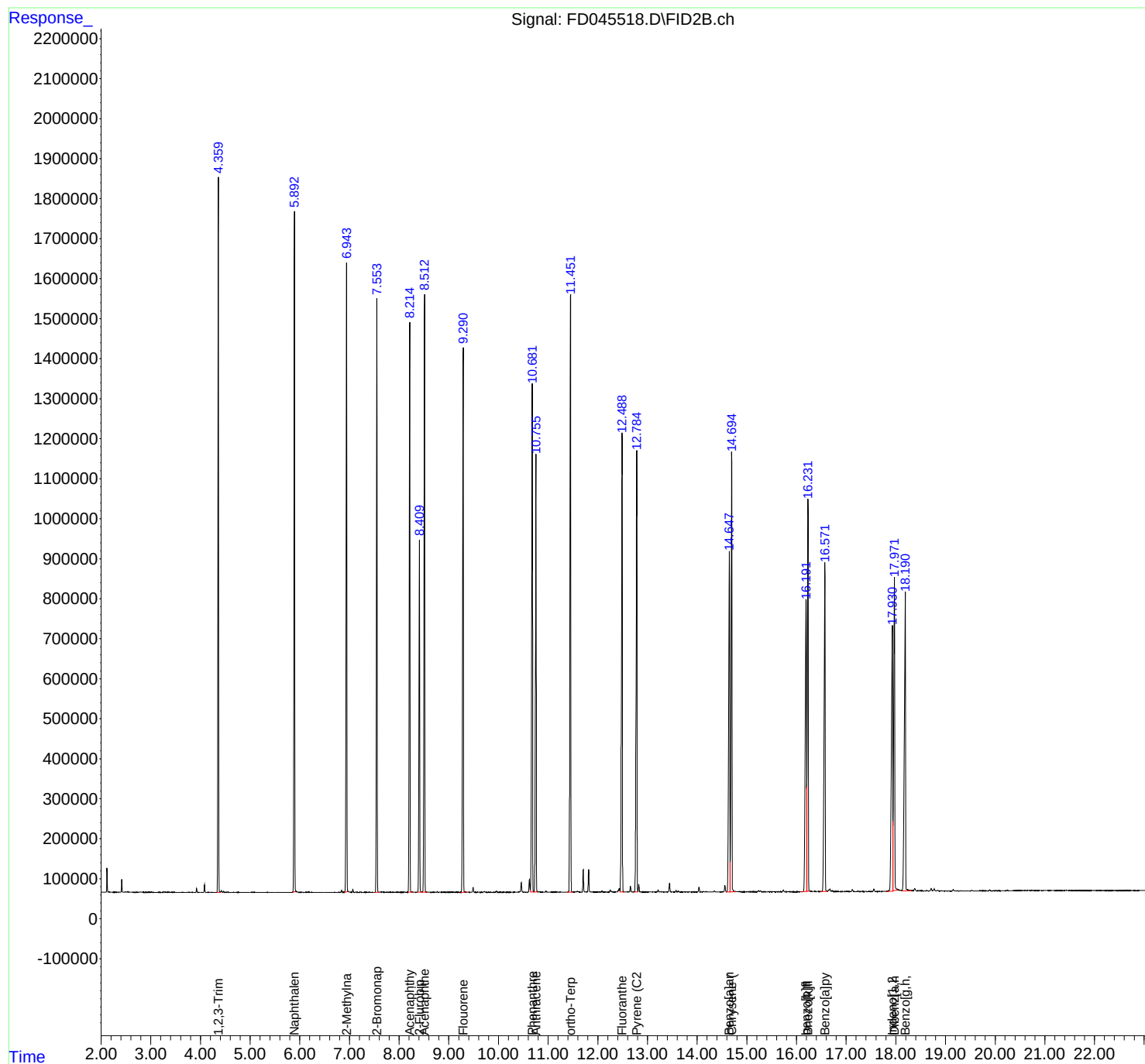
Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

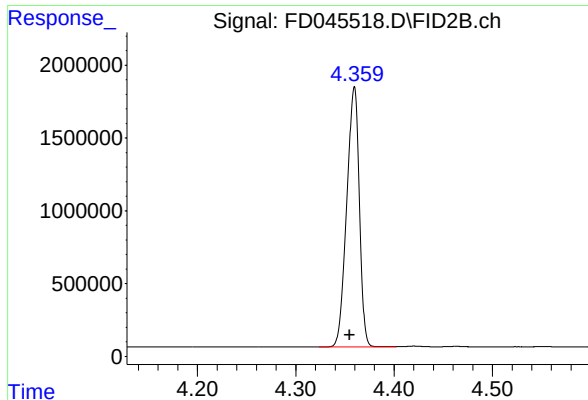
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e
Quant Time: Apr 24 08:33:38 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Mon Apr 24 08:30:38 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm





#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.359 min
Delta R.T.: 0.004 min
Response: 15912013
Conc: 94.97 ug/ml

Instrument :

FID_D

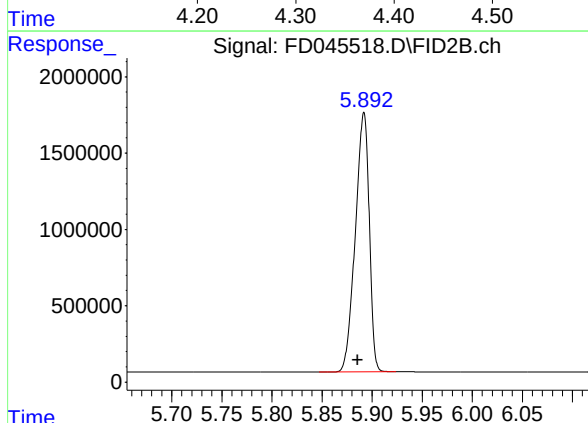
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

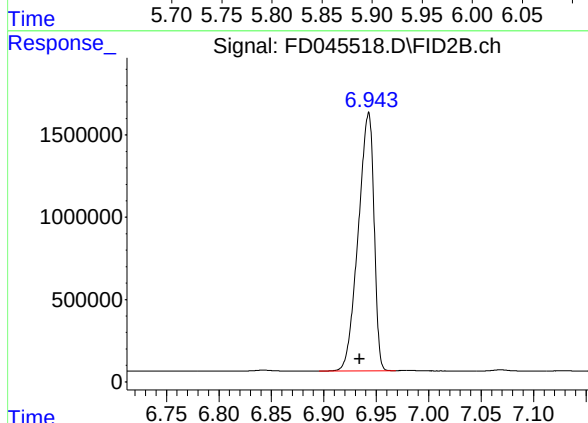
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023



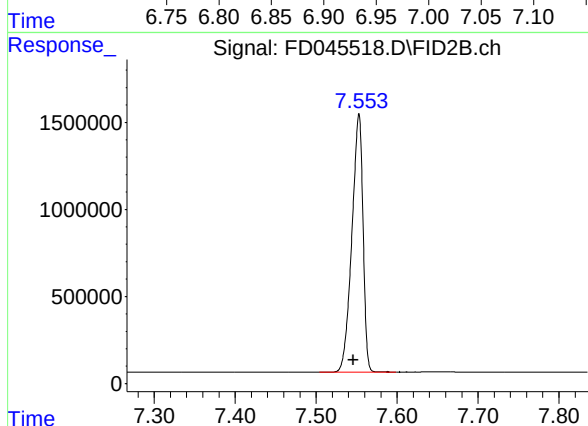
#2 Naphthalene (C11.7)

R.T.: 5.892 min
Delta R.T.: 0.006 min
Response: 16417580
Conc: 95.93 ug/ml



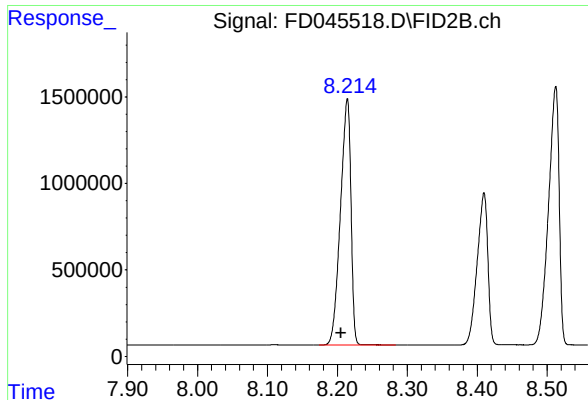
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.942 min
Delta R.T.: 0.008 min
Response: 16432740
Conc: 97.13 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.552 min
Delta R.T.: 0.006 min
Response: 14144015
Conc: 97.83 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.214 min
Delta R.T.: 0.008 min
Response: 14848045
Conc: 98.15 ug/ml

Instrument :

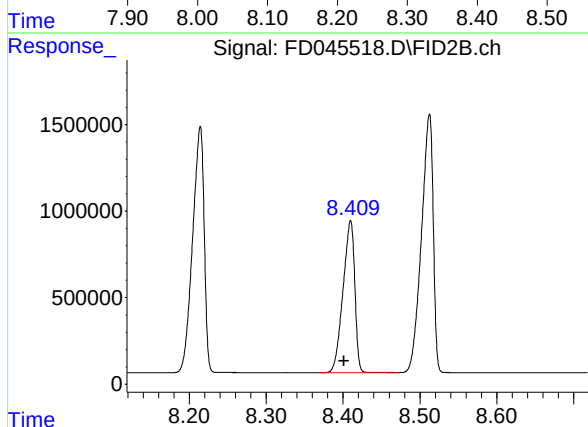
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

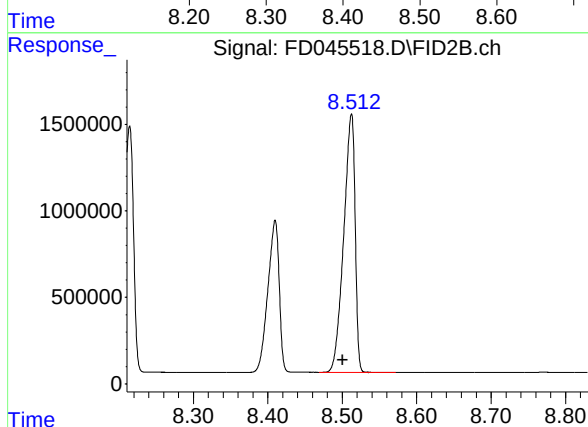
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023



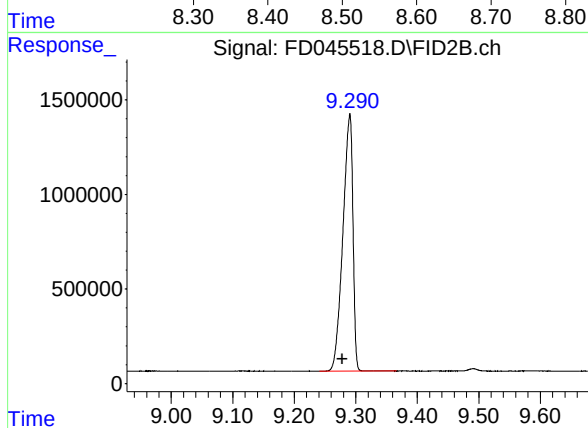
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.409 min
Delta R.T.: 0.008 min
Response: 9321712
Conc: 99.97 ug/ml



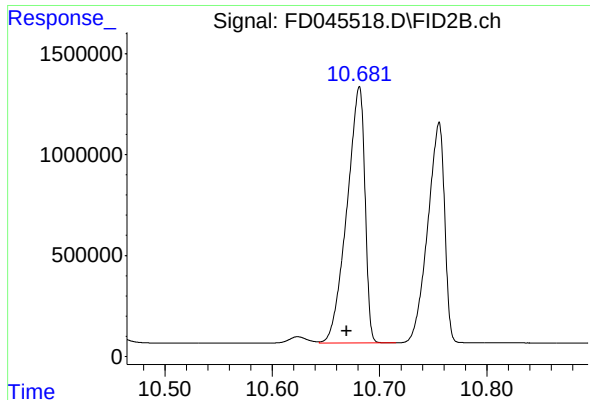
#7 Acenaphthene (C15.5)

R.T.: 8.512 min
Delta R.T.: 0.011 min
Response: 15919189
Conc: 98.19 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.289 min
Delta R.T.: 0.011 min
Response: 15375771
Conc: 99.82 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.680 min
Delta R.T.: 0.011 min
Response: 14792070
Conc: 99.16 ug/ml

Instrument :

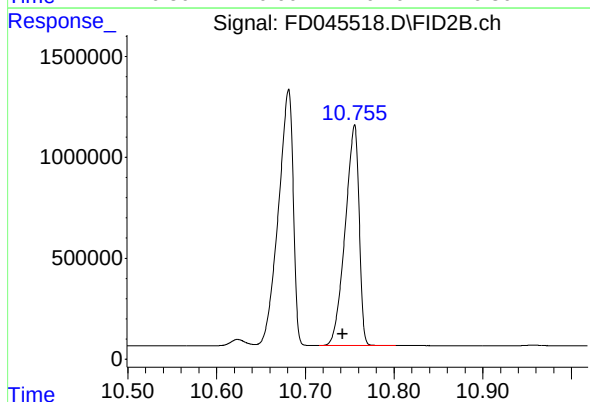
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

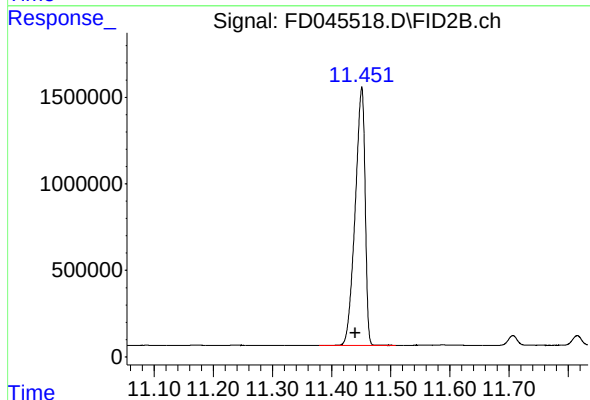
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023



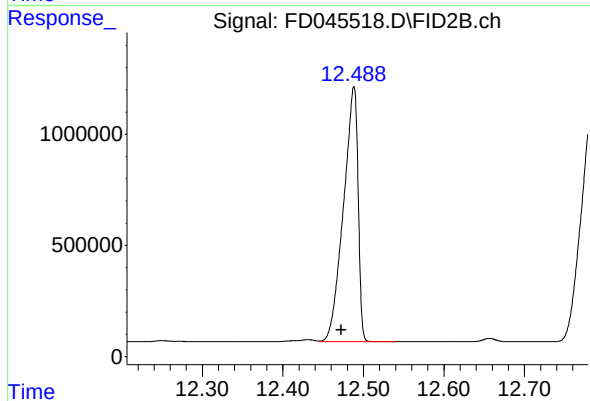
#10 Anthracene (C19.43)

R.T.: 10.755 min
Delta R.T.: 0.012 min
Response: 11949689
Conc: 92.51 ug/ml



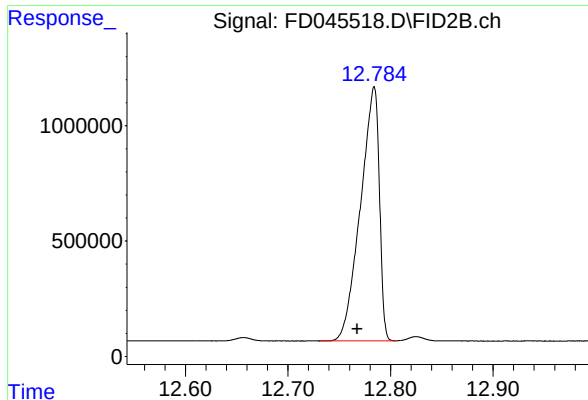
#11 ortho-Terphenyl (SURR)

R.T.: 11.450 min
Delta R.T.: 0.010 min
Response: 17407295
Conc: 97.26 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.487 min
Delta R.T.: 0.014 min
Response: 14455903
Conc: 98.22 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.783 min
Delta R.T.: 0.016 min
Response: 14116901
Conc: 98.41 ug/ml

Instrument :

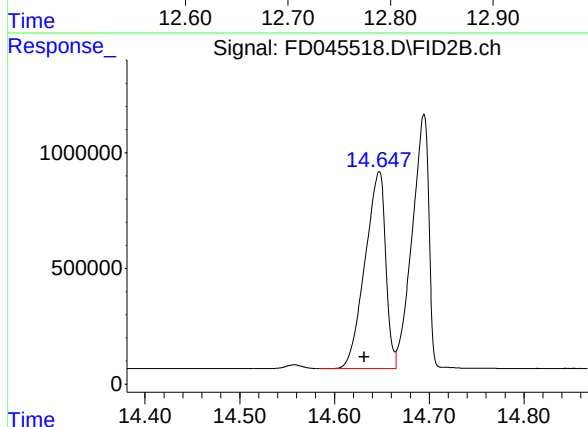
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

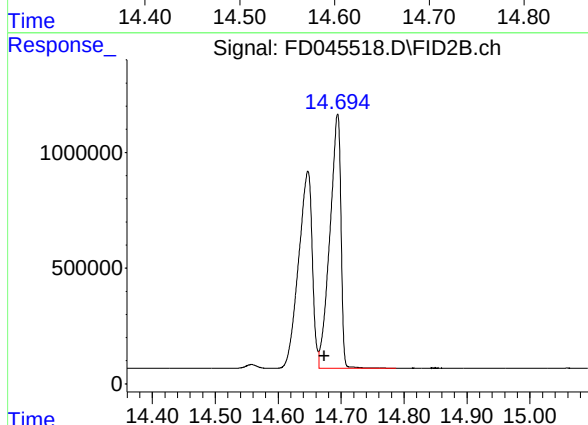
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023



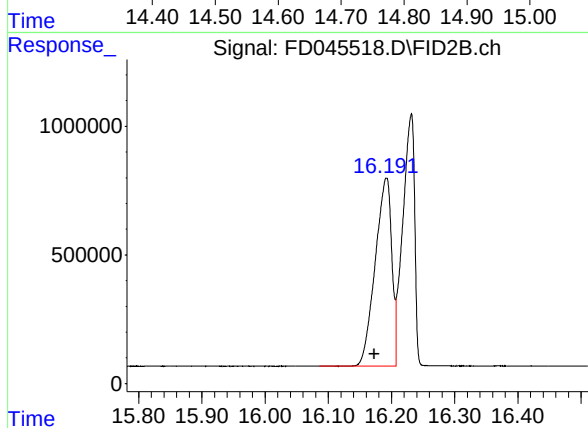
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.646 min
Delta R.T.: 0.015 min
Response: 12910601
Conc: 98.52 ug/ml



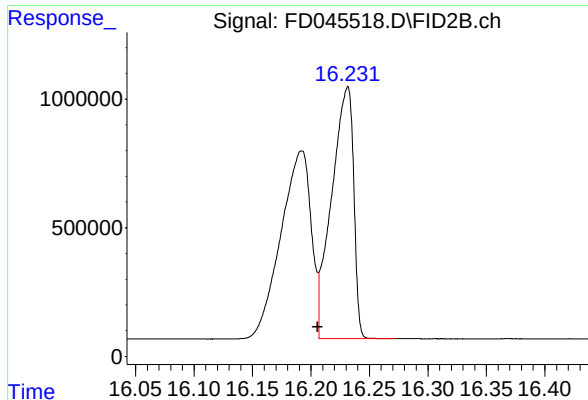
#15 Chrysene (C27.41)

R.T.: 14.694 min
Delta R.T.: 0.021 min
Response: 13413522
Conc: 98.26 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.191 min
Delta R.T.: 0.019 min
Response: 13258368
Conc: 99.29 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.231 min
Delta R.T.: 0.026 min
Response: 12754672
Conc: 94.64 ug/ml

Instrument :

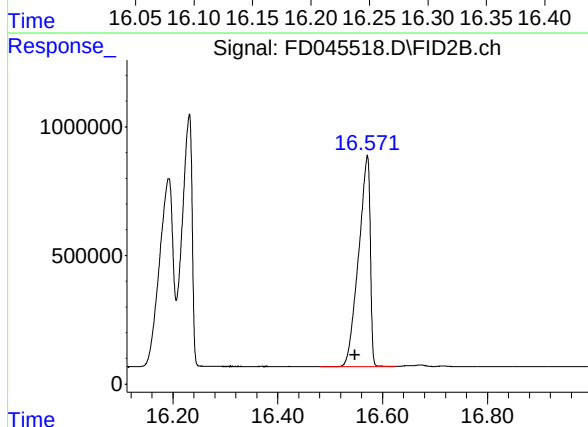
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

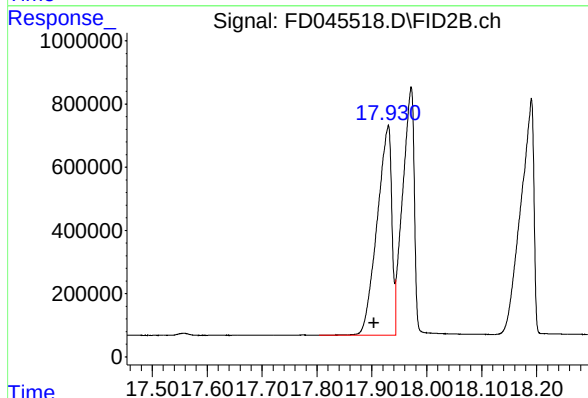
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023



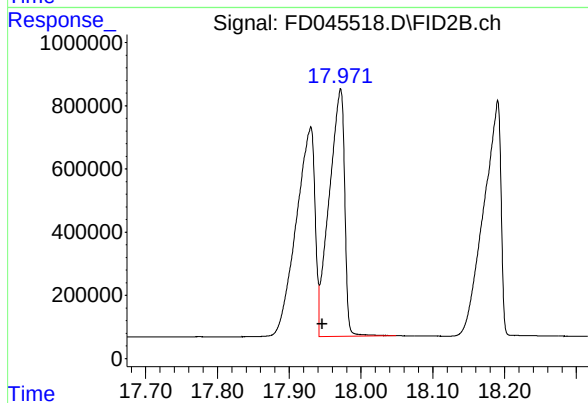
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.570 min
Delta R.T.: 0.022 min
Response: 12625110
Conc: 98.67 ug/ml



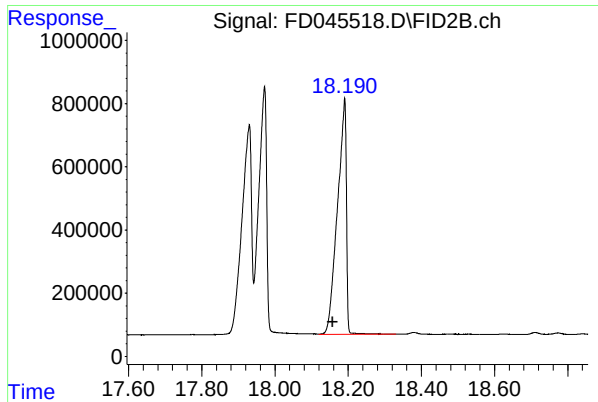
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.929 min
Delta R.T.: 0.025 min
Response: 12340580
Conc: 98.24 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.971 min
Delta R.T.: 0.025 min
Response: 11653337
Conc: 84.69 ug/ml m



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.189 min
Delta R.T.: 0.032 min
Response: 12638317
Conc: 96.47 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023

nteres

Instrument :
FID_D
LabSampleId :
100 PPM AROMATIC HC STD1
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123.M
Data File : FD045518.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 15:37
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.359	4.324	4.402	BV	1778612	15912013	91.41%	5.434%
2	5.892	5.847	5.924	BV	1709256	16417580	94.31%	5.607%
3	6.942	6.895	6.969	BV	1559978	16432740	94.40%	5.612%
4	7.552	7.504	7.599	BB	1474308	14144015	81.25%	4.831%
5	8.214	8.174	8.284	BB	1422945	14848045	85.30%	5.071%
6	8.409	8.369	8.469	BV	874990	9321712	53.55%	3.184%
7	8.512	8.469	8.572	VB	1497195	15919189	91.45%	5.437%
8	9.289	9.240	9.365	BB	1334428	15375771	88.33%	5.251%
9	10.680	10.644	10.715	VV	1265471	14792070	84.98%	5.052%
10	10.755	10.715	10.802	VV	1099256	11949689	68.65%	4.081%
11	11.450	11.379	11.509	BB	1486339	17407295	100.00%	5.945%
12	12.487	12.445	12.540	VB	1142966	14455903	83.05%	4.937%
13	12.783	12.730	12.805	BV	1106330	14116901	81.10%	4.821%
14	14.646	14.584	14.665	PV	853933	12910601	74.17%	4.409%
15	14.694	14.665	14.787	VB	1099627	13413522	77.06%	4.581%
16	16.191	16.085	16.207	BV	731288	13258368	76.17%	4.528%
17	16.230	16.207	16.297	VB	972440	12822222	73.66%	4.379%
18	16.570	16.479	16.625	BV	820353	12625110	72.53%	4.312%
19	17.929	17.804	17.944	BV	655851	12340580	70.89%	4.215%
20	17.970	17.944	18.120	VV	778251	11701897	67.22%	3.997%
21	18.189	18.120	18.330	VB	727233	12638317	72.60%	4.316%
Sum of corrected areas:						292803544		

Aromatic EPH 042123.M Mon Apr 24 08:46:43 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045519.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 16:17
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Apr 22 03:39:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 22 03:38:56 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.551	6932853	49.590 ug/ml
Spiked Amount 50.000		Recovery =	99.18%
6) S 2-Fluorobiphenyl (SURR)	8.408	4528106	49.620 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.24%
11) S ortho-Terphenyl (SURR)	11.448	8532782	49.509 ug/ml
Spiked Amount 50.000		Recovery =	99.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.359	7878471	49.390 ug/ml
2) T Naphthalene (C11.7)	5.891	8121726	49.465 ug/ml
3) T 2-Methylnaphthalene (...)	6.941	8092617	49.625 ug/ml
5) T Acenaphthylene (C15.06)	8.212	7258818	49.562 ug/ml
7) T Acenaphthene (C15.5)	8.508	7788636	49.575 ug/ml
8) T Fluorene (C16.55)	9.286	7472257	49.620 ug/ml
9) T Phenanthrene (C19.36)	10.678	7183713	49.582 ug/ml
10) T Anthracene (C19.43)	10.751	6061639	49.812 ug/ml
12) T Fluoranthene (C21.85)	12.482	7024884	49.392 ug/ml
13) T Pyrene (C20.8)	12.778	6868976	49.430 ug/ml
14) T Benzo[a]anthracene (C...	14.642	6311335	49.742 ug/ml
15) T Chrysene (C27.41)	14.686	6588866	49.882 ug/ml
16) T benzo[b]fluoranthene ...	16.185	6445150	49.572 ug/ml
17) T Bnezo[k]fluoranthene ...	16.220	6344565	49.411 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.561	6148874	49.590 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.919	5952471	50.300 ug/ml
20) T Dibenz[a,h]anthracene...	17.961	6032223	50.416 ug/ml
21) T Benzo[g,h,i]perylene ...	18.175	6227182	50.018 ug/ml

(f)=RT Delta > 1/2 Window

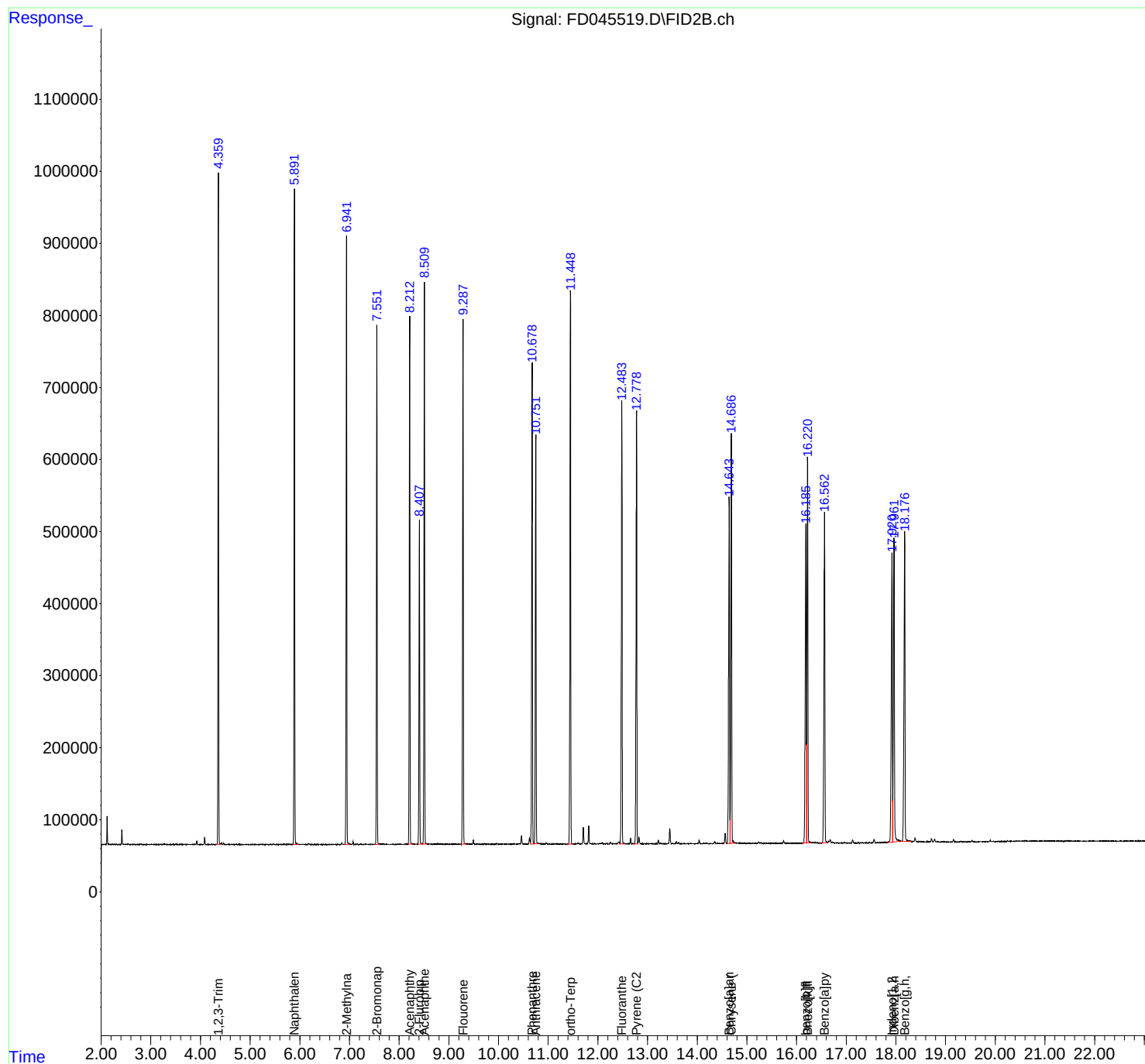
(m)=manual int.

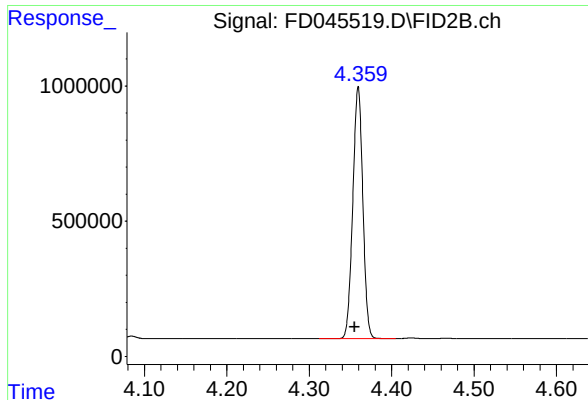
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045519.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 16:17
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Apr 22 03:39:07 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Sat Apr 22 03:38:56 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

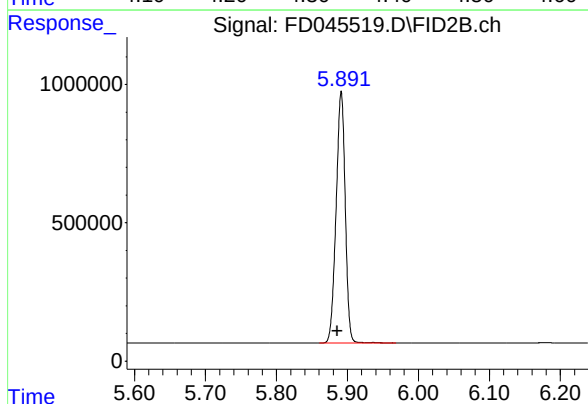




#1 1,2,3-Trimethylbenzene (C10.1)

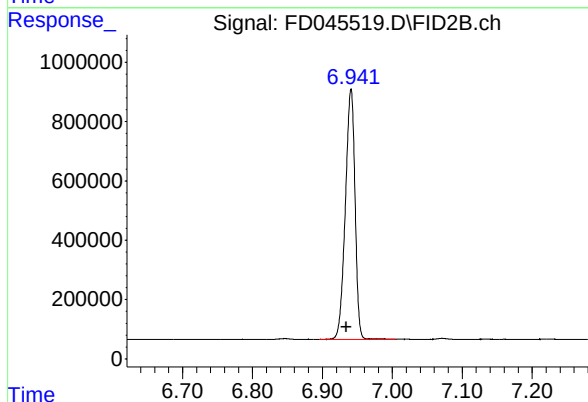
R.T.: 4.359 min
Delta R.T.: 0.004 min
Response: 7878471
Conc: 49.39 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



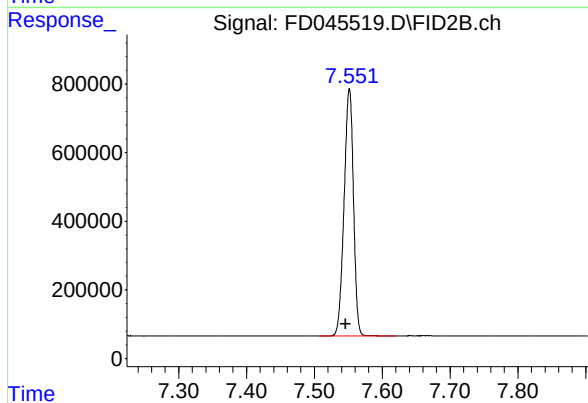
#2 Naphthalene (C11.7)

R.T.: 5.891 min
Delta R.T.: 0.006 min
Response: 8121726
Conc: 49.47 ug/ml



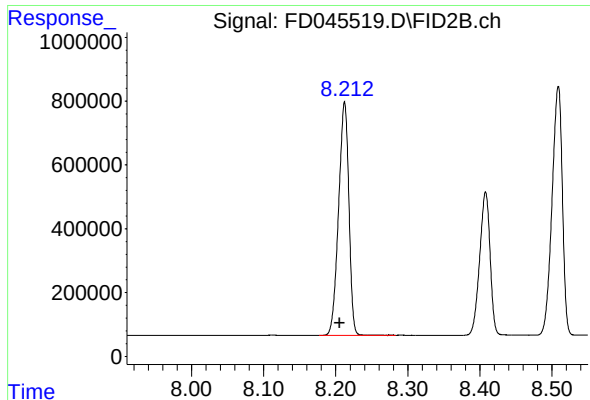
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.941 min
Delta R.T.: 0.006 min
Response: 8092617
Conc: 49.62 ug/ml



#4 2-Bromonaphthalene (SURR)

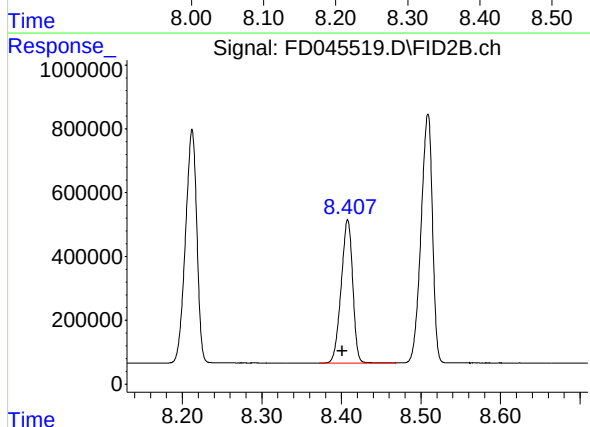
R.T.: 7.551 min
Delta R.T.: 0.005 min
Response: 6932853
Conc: 49.59 ug/ml



#5 Acenaphthylene (C15.06)

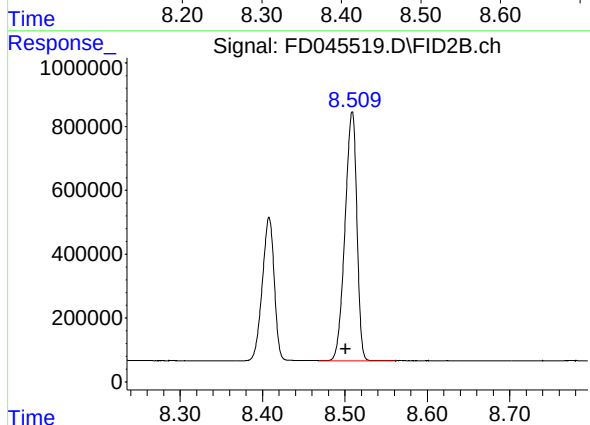
R.T.: 8.212 min
Delta R.T.: 0.007 min
Response: 7258818
Conc: 49.56 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



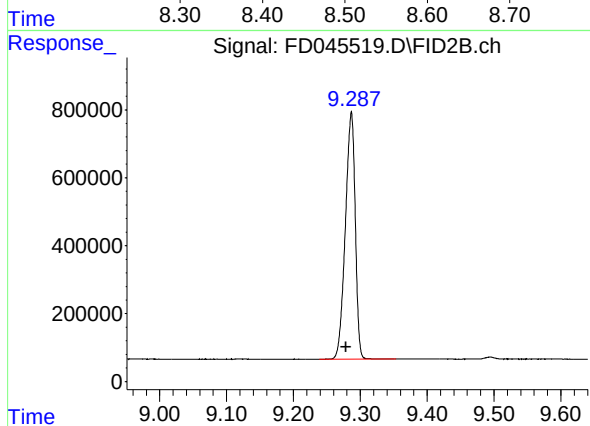
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.408 min
Delta R.T.: 0.006 min
Response: 4528106
Conc: 49.62 ug/ml



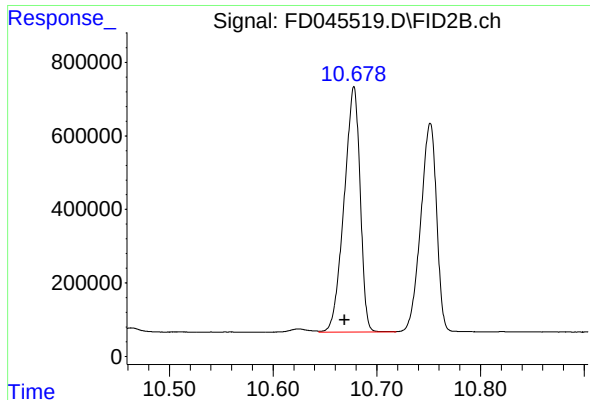
#7 Acenaphthene (C15.5)

R.T.: 8.508 min
Delta R.T.: 0.008 min
Response: 7788636
Conc: 49.57 ug/ml



#8 Fluorene (C16.55)

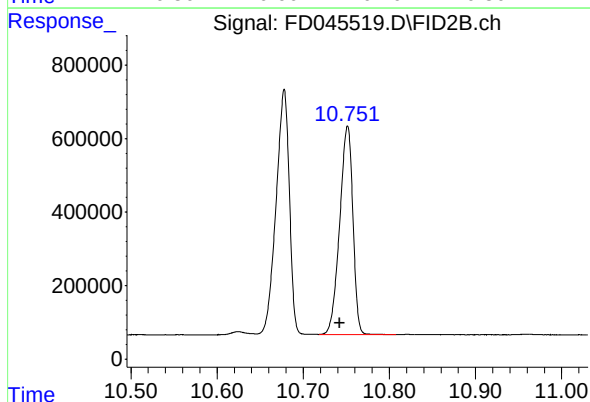
R.T.: 9.286 min
Delta R.T.: 0.008 min
Response: 7472257
Conc: 49.62 ug/ml



#9 Phenanthrene (C19.36)

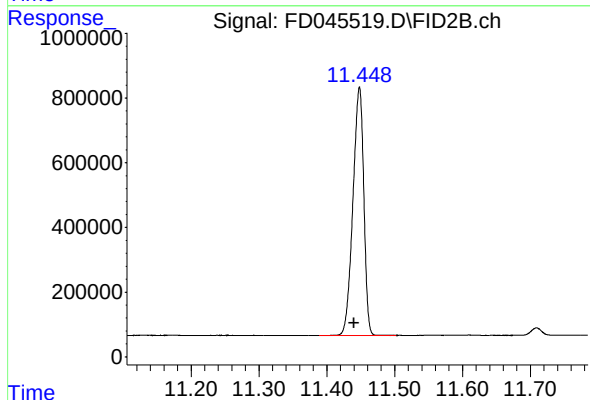
R.T.: 10.678 min
Delta R.T.: 0.008 min
Response: 7183713
Conc: 49.58 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



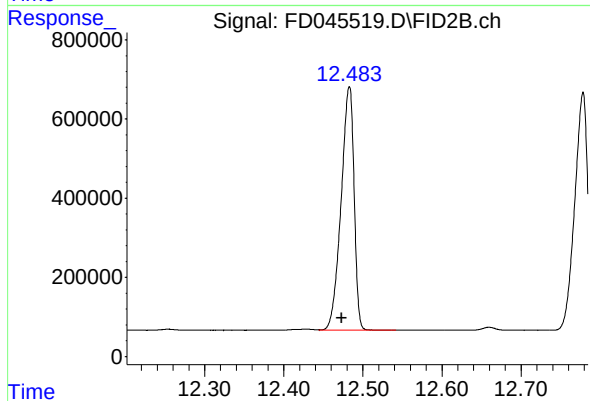
#10 Anthracene (C19.43)

R.T.: 10.751 min
Delta R.T.: 0.009 min
Response: 6061639
Conc: 49.81 ug/ml



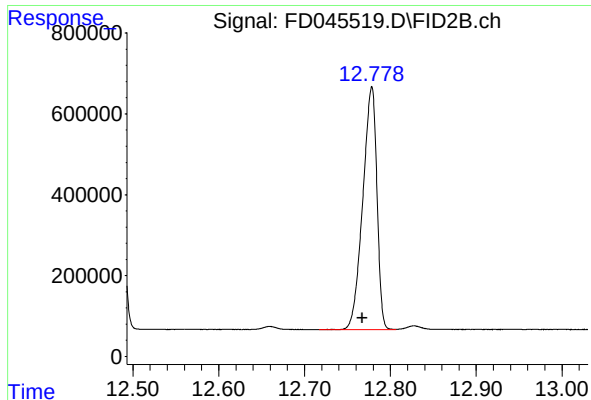
#11 ortho-Terphenyl (SURR)

R.T.: 11.448 min
Delta R.T.: 0.008 min
Response: 8532782
Conc: 49.51 ug/ml



#12 Fluoranthene (C21.85)

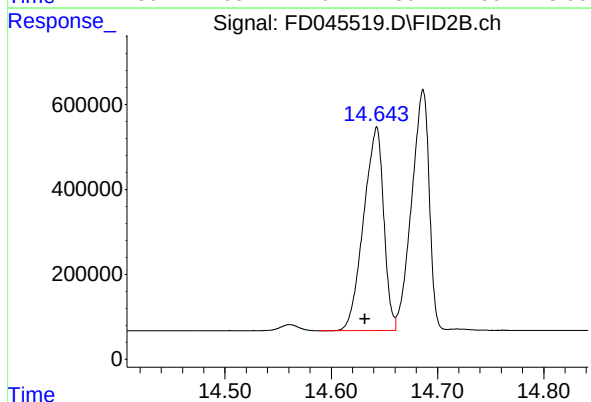
R.T.: 12.482 min
Delta R.T.: 0.010 min
Response: 7024884
Conc: 49.39 ug/ml



#13 Pyrene (C20.8)

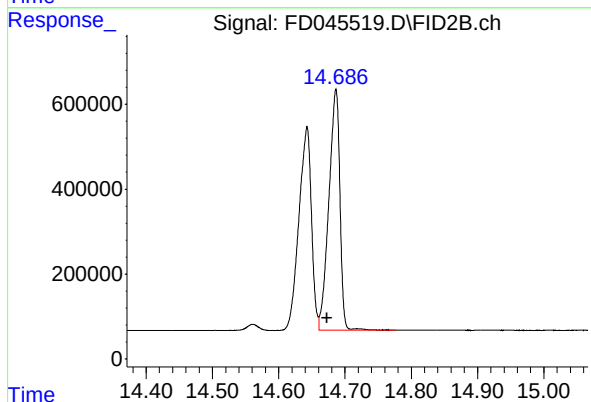
R.T.: 12.778 min
Delta R.T.: 0.010 min
Response: 6868976
Conc: 49.43 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



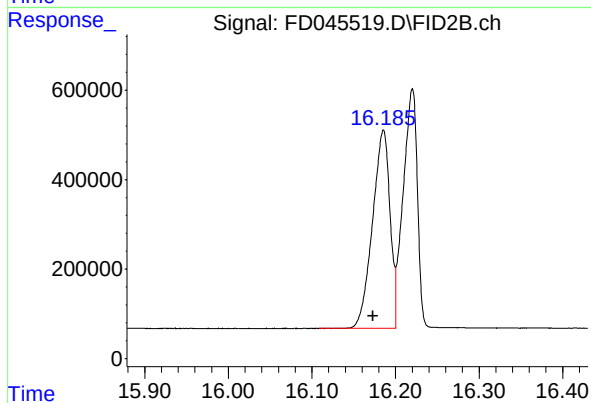
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.642 min
Delta R.T.: 0.011 min
Response: 6311335
Conc: 49.74 ug/ml



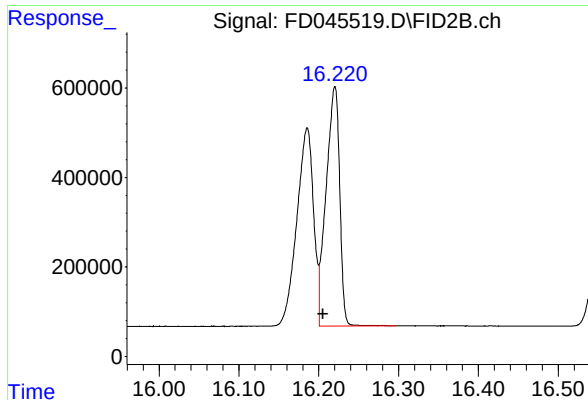
#15 Chrysene (C27.41)

R.T.: 14.686 min
Delta R.T.: 0.013 min
Response: 6588866
Conc: 49.88 ug/ml



#16 benzo[b]fluoranthene (C30.41)

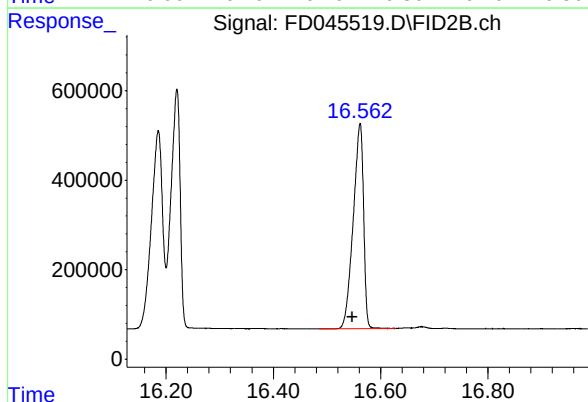
R.T.: 16.185 min
Delta R.T.: 0.012 min
Response: 6445150
Conc: 49.57 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

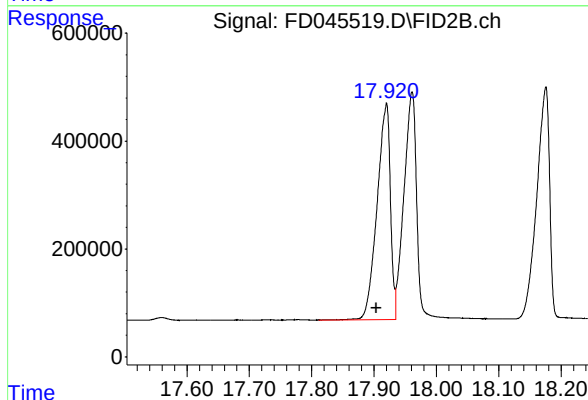
R.T.: 16.220 min
Delta R.T.: 0.014 min
Response: 6344565
Conc: 49.41 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



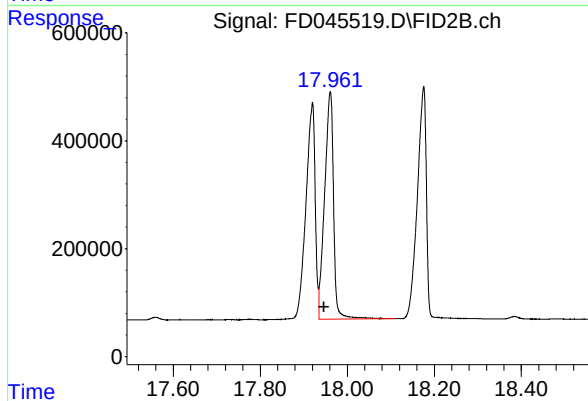
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.561 min
Delta R.T.: 0.014 min
Response: 6148874
Conc: 49.59 ug/ml



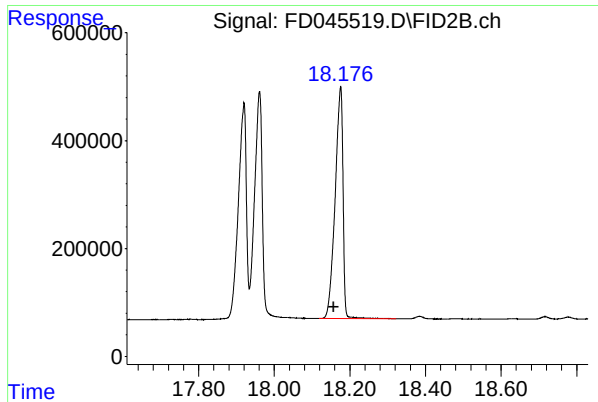
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.919 min
Delta R.T.: 0.015 min
Response: 5952471
Conc: 50.30 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.961 min
Delta R.T.: 0.014 min
Response: 6032223
Conc: 50.42 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.175 min
Delta R.T.: 0.018 min
Response: 6227182
Conc: 50.02 ug/ml

Instrument :

FID_D

ClientSampleId :

50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045519.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 16:17
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.359	4.312	4.405	BV	936034	7878471	92.33%	5.479%
2	5.891	5.860	5.968	BB	912050	8121726	95.18%	5.648%
3	6.941	6.895	7.005	BB	843246	8092617	94.84%	5.628%
4	7.551	7.507	7.620	BB	722463	6932853	81.25%	4.821%
5	8.212	8.177	8.283	BB	732057	7258818	85.07%	5.048%
6	8.408	8.372	8.468	BV	450315	4528106	53.07%	3.149%
7	8.508	8.468	8.562	VB	782129	7788636	91.28%	5.416%
8	9.286	9.238	9.353	BB	731591	7472257	87.57%	5.196%
9	10.678	10.644	10.718	VV	672891	7183713	84.19%	4.996%
10	10.751	10.718	10.808	VV	570084	6061639	71.04%	4.215%
11	11.448	11.388	11.502	BB	771940	8532782	100.00%	5.934%
12	12.482	12.445	12.542	VB	613663	7024884	82.33%	4.885%
13	12.778	12.717	12.806	BV	603734	6868976	80.50%	4.777%
14	14.642	14.588	14.661	PV	476720	6311335	73.97%	4.389%
15	14.686	14.661	14.777	VB	565187	6588866	77.22%	4.582%
16	16.185	16.108	16.200	BV	443061	6445150	75.53%	4.482%
17	16.220	16.200	16.297	VB	536996	6344565	74.36%	4.412%
18	16.561	16.485	16.628	BV	460783	6148874	72.06%	4.276%
19	17.919	17.812	17.935	BV	394378	5952471	69.76%	4.140%
20	17.961	17.935	18.112	VB	421797	6032223	70.69%	4.195%
21	18.175	18.118	18.322	BB	429615	6227182	72.98%	4.331%
Sum of corrected areas:						143796144		

Aromatic EPH 042123.M Sat Apr 22 04:00:24 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045520.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 16:57
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Apr 22 03:32:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 18:47:55 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.546	2805494	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.401	1815164	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.440	3457538	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.355	3261888	20.000 ug/ml
2) T Naphthalene (C11.7)	5.886	3322523	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.934	3287849	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.205	2930957	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.501	3144529	20.000 ug/ml
8) T Fluorene (C16.55)	9.278	2997443	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.669	2881568	20.000 ug/ml
10) T Anthracene (C19.43)	10.742	2512827	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.473	2843680	20.000 ug/ml
13) T Pyrene (C20.8)	12.767	2773714	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.632	2544507	20.000 ug/ml
15) T Chrysene (C27.41)	14.673	2634605	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.173	2603735	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.205	2618142	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.547	2504226	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.904	2449372	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.946	2680006	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.157	2568983	20.000 ug/ml

(f)=RT Delta > 1/2 Window

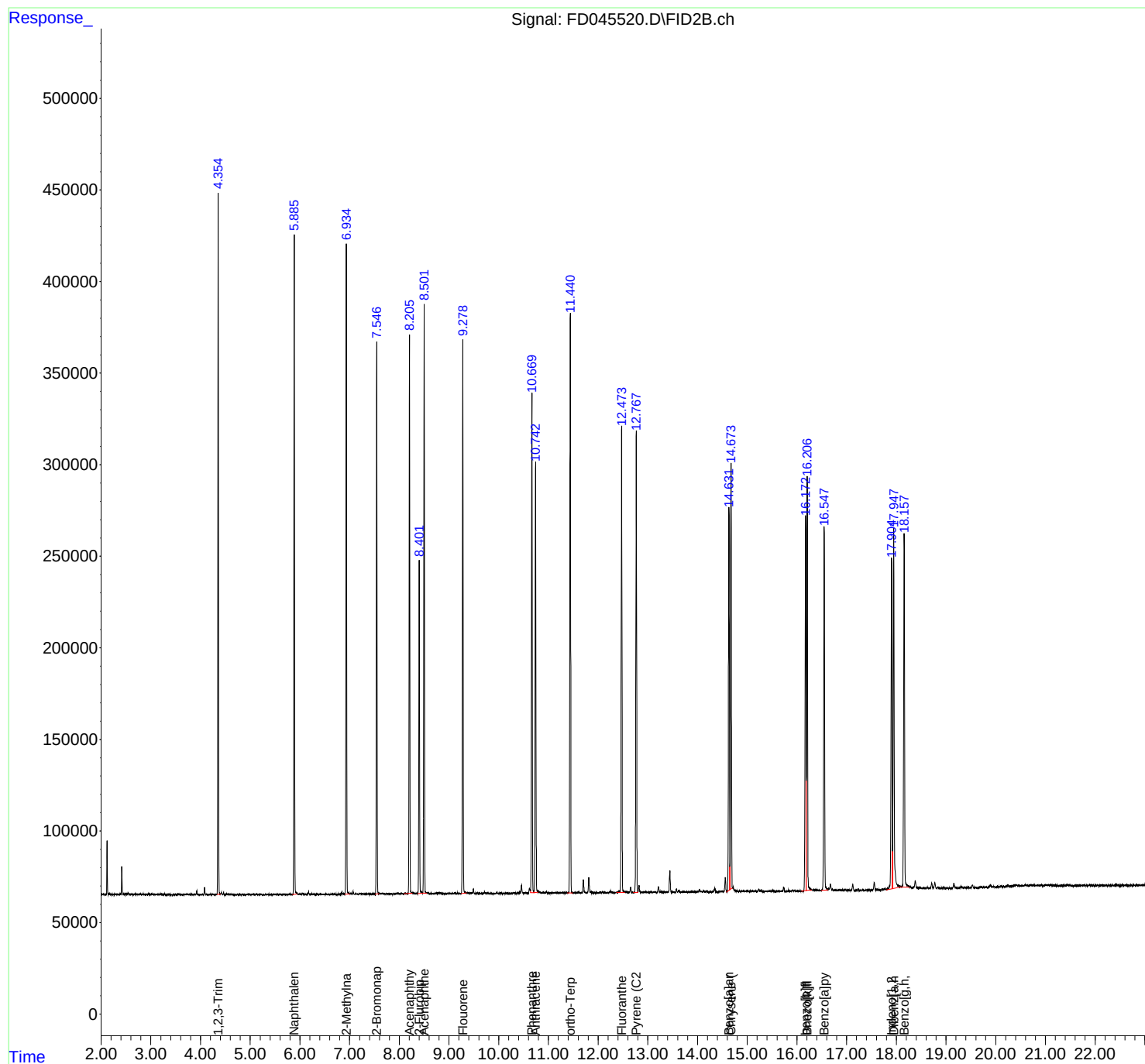
(m)=manual int.

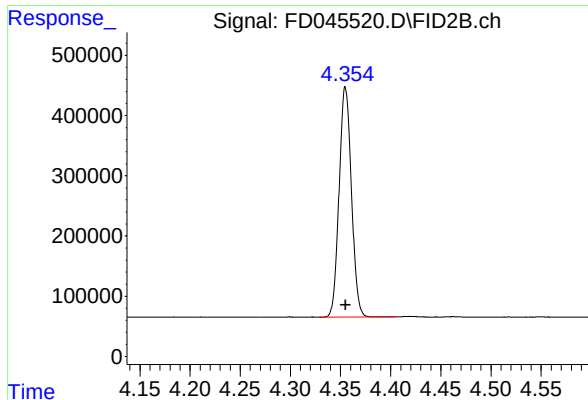
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045520.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 16:57
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 22 03:32:38 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Fri Apr 21 18:47:55 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

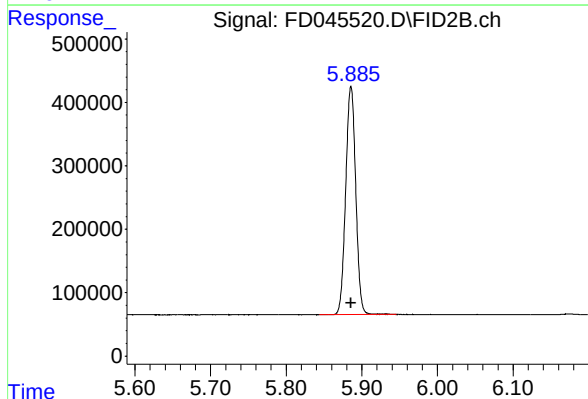




#1 1,2,3-Trimethylbenzene (C10.1)

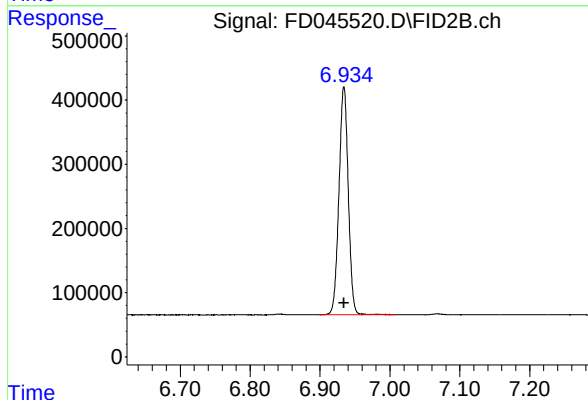
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 3261888
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



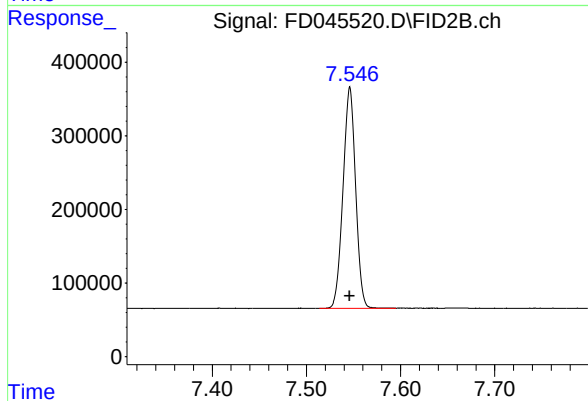
#2 Naphthalene (C11.7)

R.T.: 5.886 min
Delta R.T.: 0.000 min
Response: 3322523
Conc: 20.00 ug/ml



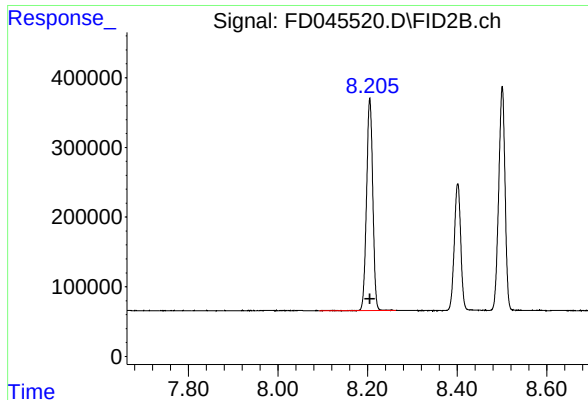
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 3287849
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

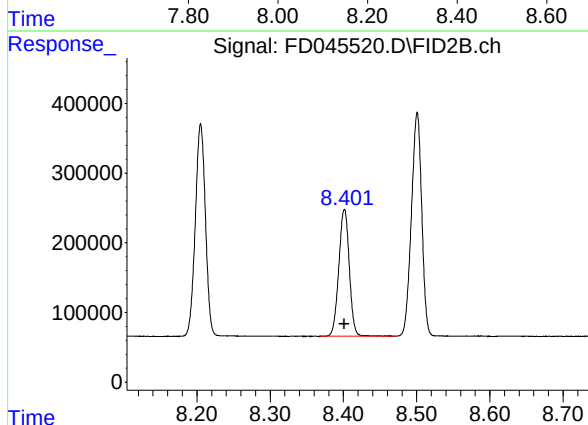
R.T.: 7.546 min
Delta R.T.: 0.000 min
Response: 2805494
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

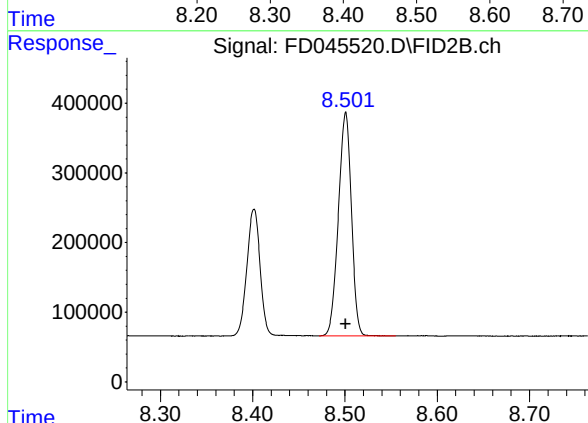
R.T.: 8.205 min
Delta R.T.: 0.000 min
Response: 2930957
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



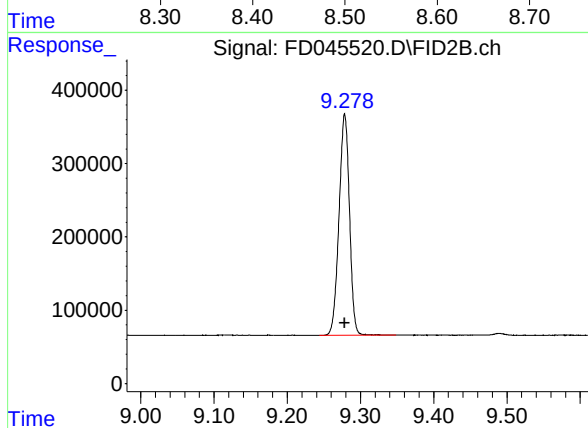
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.401 min
Delta R.T.: 0.000 min
Response: 1815164
Conc: 20.00 ug/ml



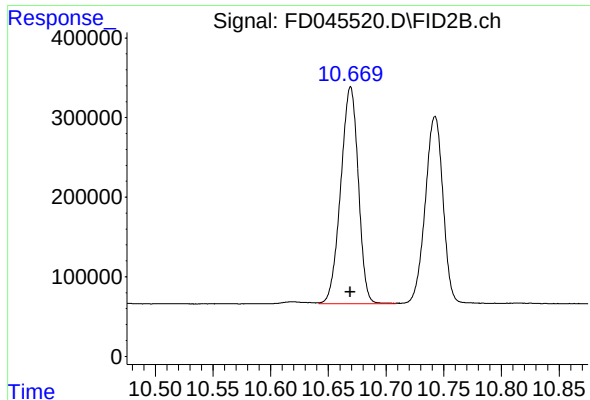
#7 Acenaphthene (C15.5)

R.T.: 8.501 min
Delta R.T.: 0.000 min
Response: 3144529
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

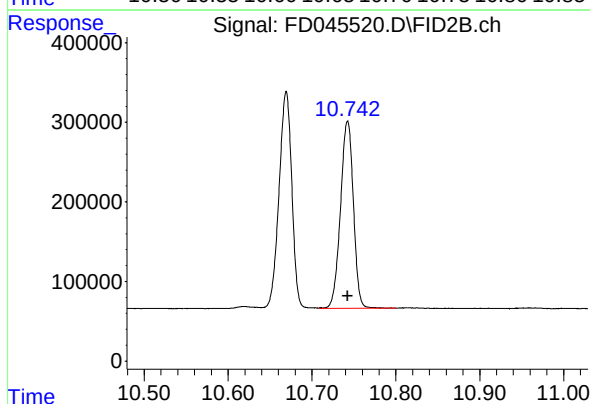
R.T.: 9.278 min
Delta R.T.: 0.000 min
Response: 2997443
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

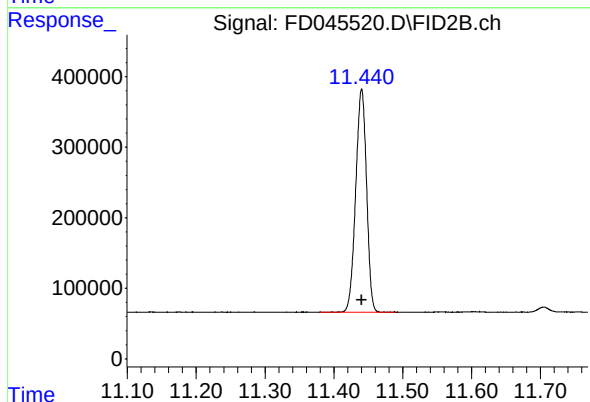
R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 2881568
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



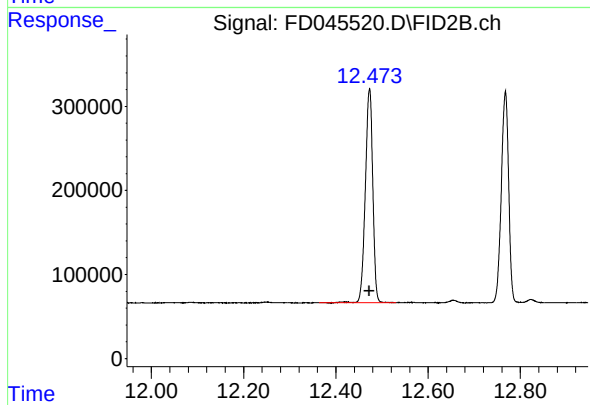
#10 Anthracene (C19.43)

R.T.: 10.742 min
Delta R.T.: 0.000 min
Response: 2512827
Conc: 20.00 ug/ml



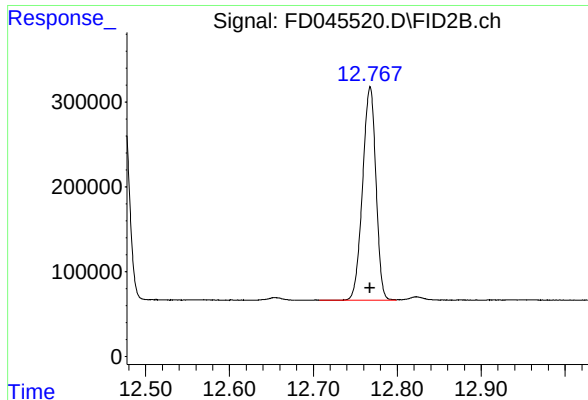
#11 ortho-Terphenyl (SURR)

R.T.: 11.440 min
Delta R.T.: 0.000 min
Response: 3457538
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

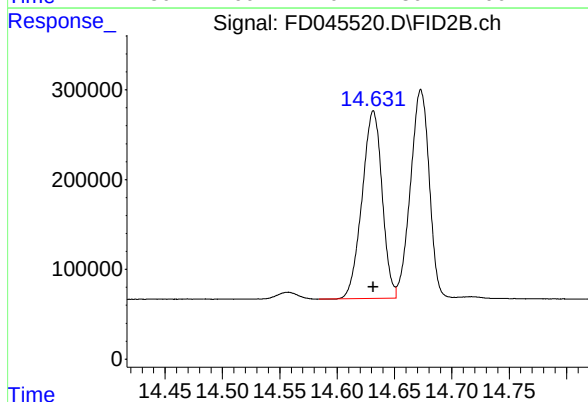
R.T.: 12.473 min
Delta R.T.: 0.000 min
Response: 2843680
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

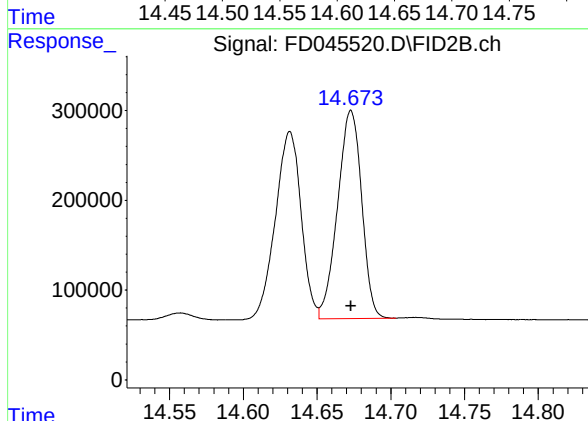
R.T.: 12.767 min
Delta R.T.: 0.000 min
Response: 2773714
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



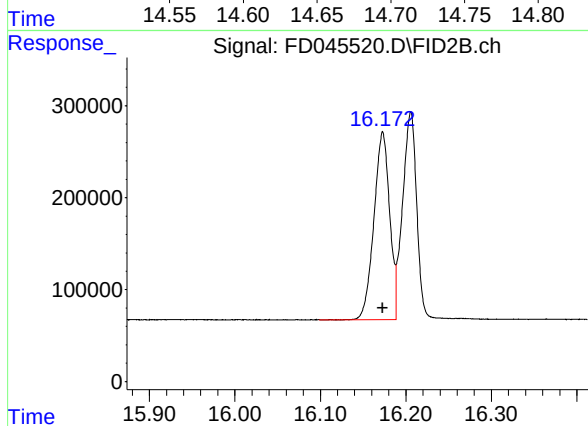
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.632 min
Delta R.T.: 0.000 min
Response: 2544507
Conc: 20.00 ug/ml



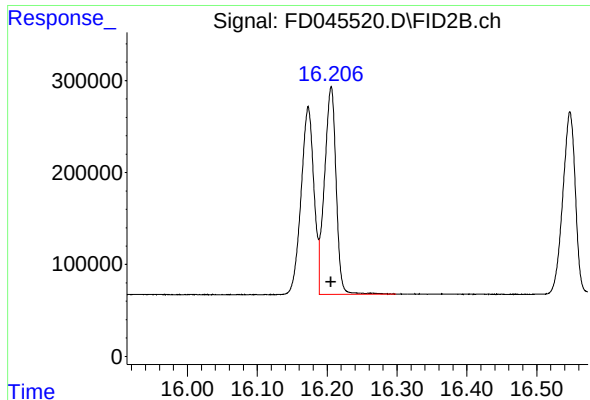
#15 Chrysene (C27.41)

R.T.: 14.673 min
Delta R.T.: 0.000 min
Response: 2634605
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

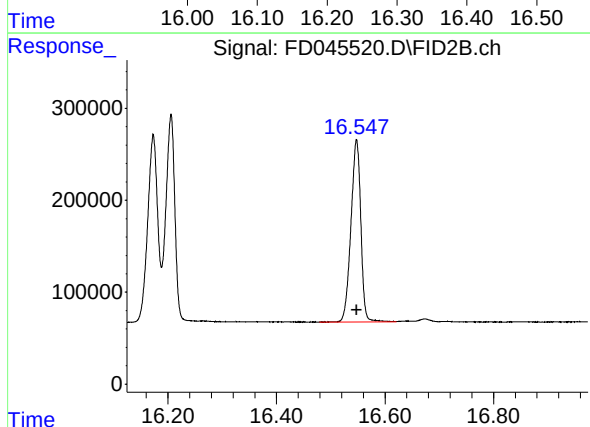
R.T.: 16.173 min
Delta R.T.: 0.000 min
Response: 2603735
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

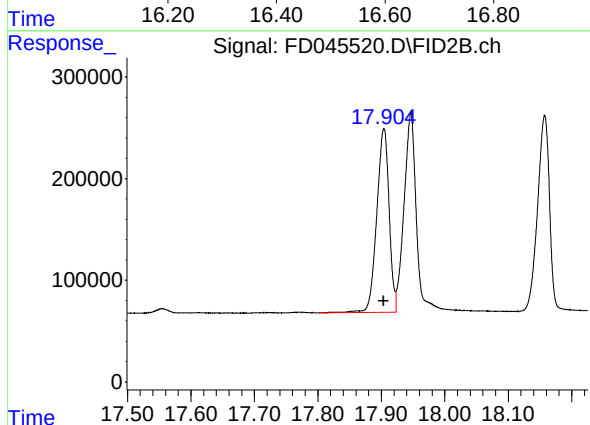
R.T.: 16.205 min
Delta R.T.: 0.000 min
Response: 2618142
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



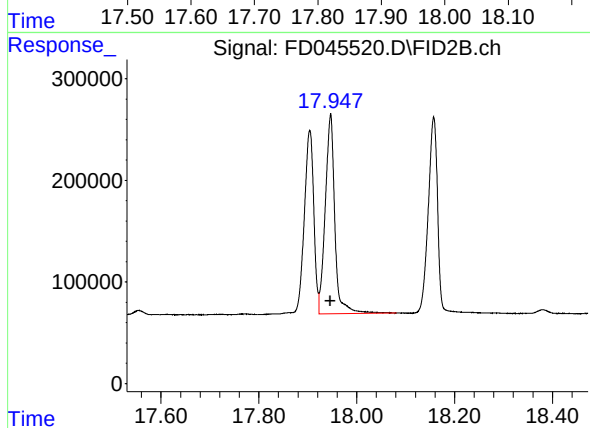
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.547 min
Delta R.T.: 0.000 min
Response: 2504226
Conc: 20.00 ug/ml



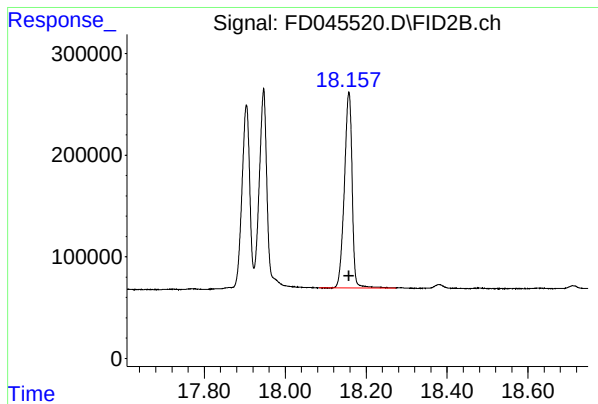
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.904 min
Delta R.T.: 0.000 min
Response: 2449372
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.946 min
Delta R.T.: 0.000 min
Response: 2680006
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.157 min
Delta R.T.: 0.000 min
Response: 2568983
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045520.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 16:57
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.355	4.329	4.405	BB	381181	3261888	94.34%	5.563%
2	5.886	5.844	5.945	BB	359965	3322523	96.10%	5.666%
3	6.934	6.899	7.009	BB	355993	3287849	95.09%	5.607%
4	7.546	7.514	7.595	BB	302162	2805494	81.14%	4.784%
5	8.205	8.092	8.264	BB	304801	2930957	84.77%	4.998%
6	8.401	8.367	8.472	BB	182389	1815164	52.50%	3.096%
7	8.501	8.472	8.555	BB	320400	3144529	90.95%	5.363%
8	9.278	9.244	9.348	BB	302205	2997443	86.69%	5.112%
9	10.669	10.642	10.709	VV	272353	2881568	83.34%	4.914%
10	10.742	10.709	10.800	VV	235089	2512827	72.68%	4.285%
11	11.440	11.379	11.490	BB	316478	3457538	100.00%	5.896%
12	12.473	12.364	12.530	BB	255420	2843680	82.25%	4.849%
13	12.767	12.707	12.799	BV	251020	2773714	80.22%	4.730%
14	14.632	14.584	14.651	PV	209493	2544507	73.59%	4.339%
15	14.673	14.651	14.703	VV	232075	2634605	76.20%	4.493%
16	16.173	16.099	16.188	BV	204615	2603735	75.31%	4.440%
17	16.205	16.188	16.299	VB	225572	2618142	75.72%	4.465%
18	16.547	16.479	16.620	BV	198385	2504226	72.43%	4.271%
19	17.904	17.802	17.923	BV	180787	2449372	70.84%	4.177%
20	17.946	17.923	18.080	VB	197616	2680006	77.51%	4.570%
21	18.157	18.084	18.274	BB	192906	2568983	74.30%	4.381%
Sum of corrected areas:							58638749	

Aromatic EPH 042123.M Sat Apr 22 04:00:51 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045521.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 18:17
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Apr 22 03:40:33 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 22 03:40:26 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.545	1539161	10.738 ug/ml
Spiked Amount 50.000		Recovery =	21.48%
6) S 2-Fluorobiphenyl (SURR)	8.400	980942	10.552 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	21.10%
11) S ortho-Terphenyl (SURR)	11.438	1909582	10.789 ug/ml
Spiked Amount 50.000		Recovery =	21.58%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.355	1809898	10.977 ug/ml
2) T Naphthalene (C11.7)	5.885	1836512	10.863 ug/ml
3) T 2-Methylnaphthalene (...)	6.933	1815150	10.825 ug/ml
5) T Acenaphthylene (C15.06)	8.204	1612971	10.741 ug/ml
7) T Acenaphthene (C15.5)	8.499	1723056	10.708 ug/ml
8) T Fluorene (C16.55)	9.277	1623008	10.572 ug/ml
9) T Phenanthrene (C19.36)	10.667	1588301	10.705 ug/ml
10) T Anthracene (C19.43)	10.740	1414315	11.169 ug/ml
12) T Fluoranthene (C21.85)	12.470	1553772	10.678 ug/ml
13) T Pyrene (C20.8)	12.765	1523951	10.708 ug/ml
14) T Benzo[a]anthracene (C...	14.628	1393017	10.717 ug/ml
15) T Chrysene (C27.41)	14.670	1446619	10.697 ug/ml
16) T benzo[b]fluoranthene ...	16.168	1410290	10.622 ug/ml
17) T Bnezo[k]fluoranthene ...	16.200	1419091	10.769 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.544	1361838	10.720 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.899	1286359	10.639 ug/ml
20) T Dibenz[a,h]anthracene...	17.943	1459406	11.562 ug/ml
21) T Benzo[g,h,i]perylene ...	18.151	1400573	10.909 ug/ml

(f)=RT Delta > 1/2 Window

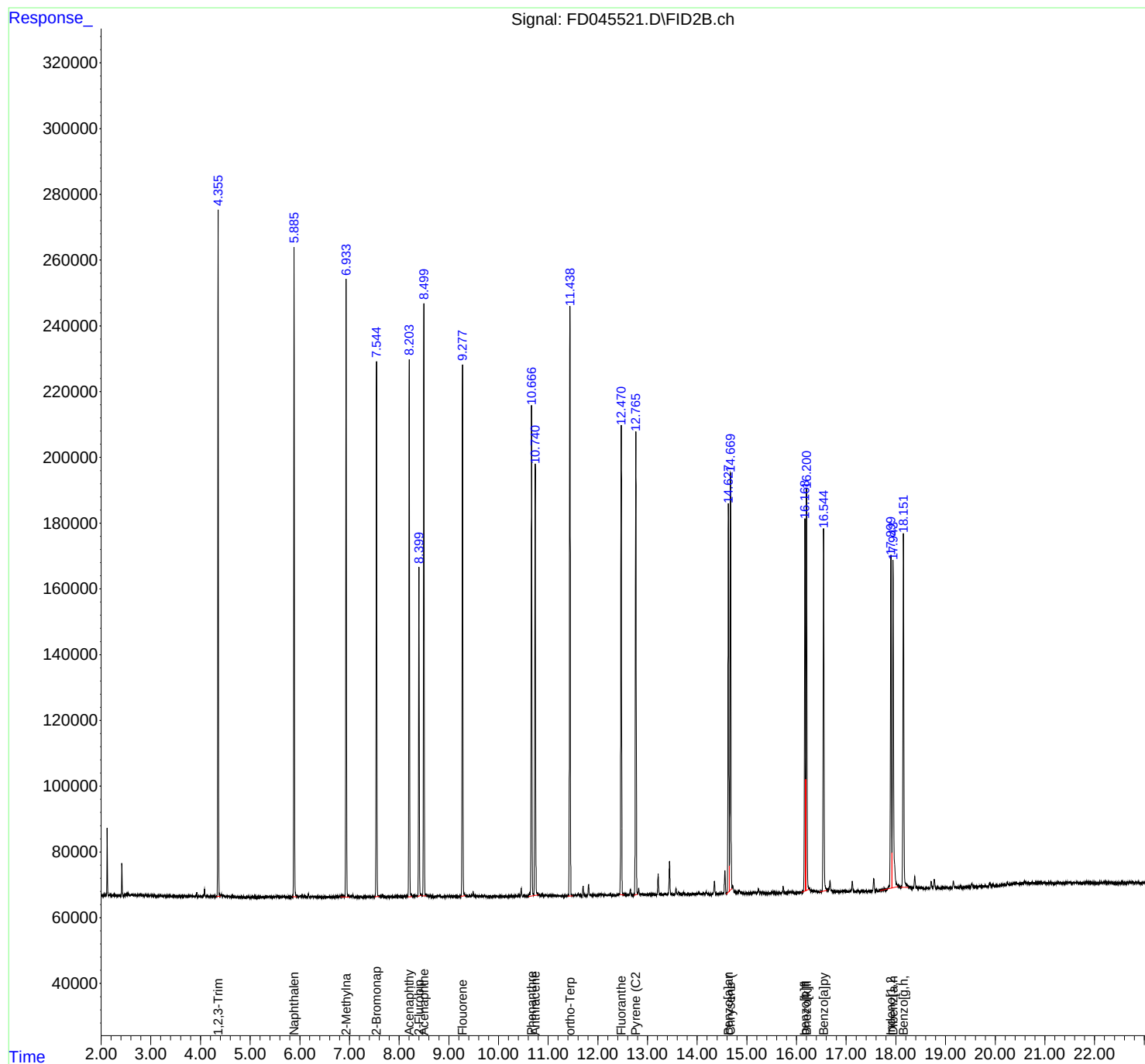
(m)=manual int.

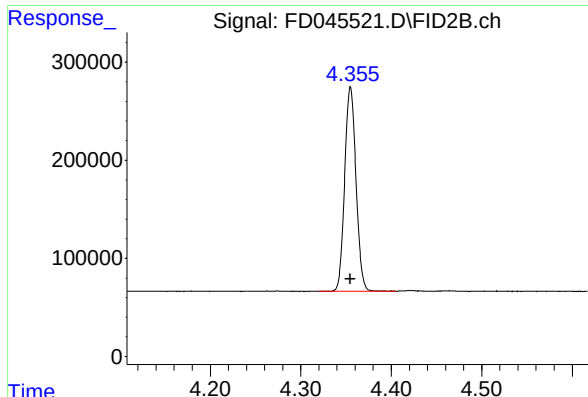
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045521.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 18:17
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 22 03:40:33 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Sat Apr 22 03:40:26 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

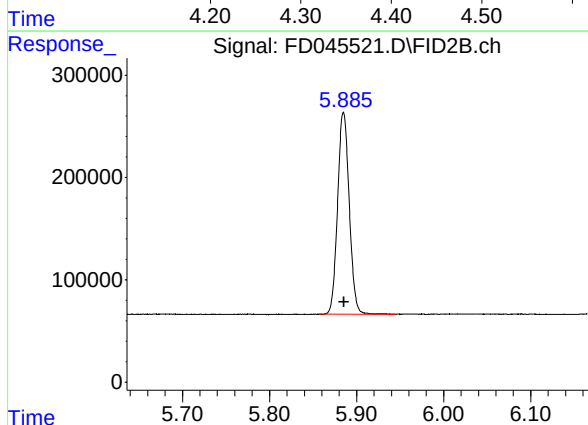




#1 1,2,3-Trimethylbenzene (C10.1)

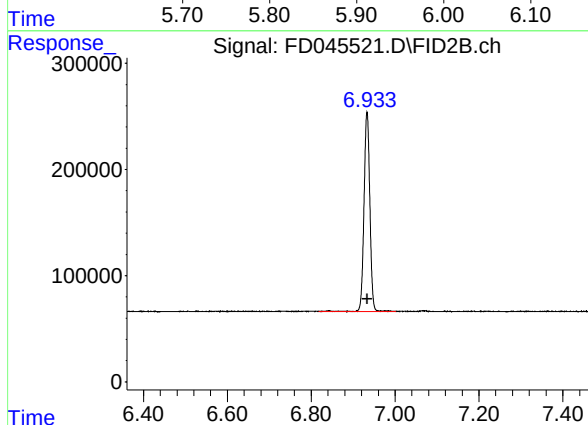
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 1809898
Conc: 10.98 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



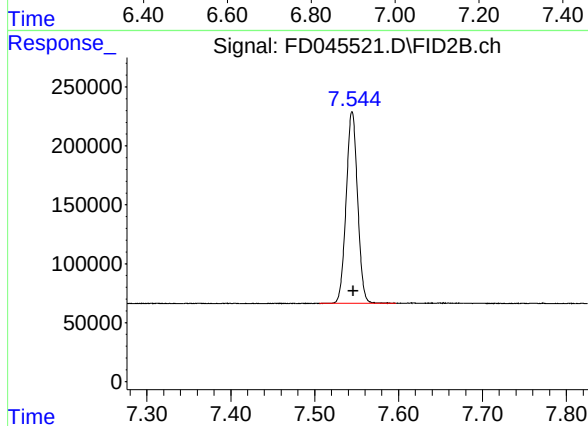
#2 Naphthalene (C11.7)

R.T.: 5.885 min
Delta R.T.: 0.000 min
Response: 1836512
Conc: 10.86 ug/ml



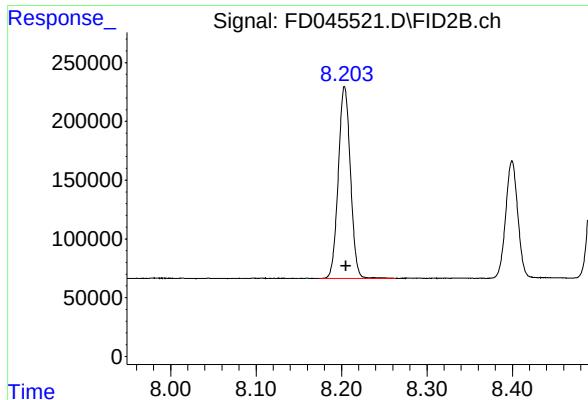
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.933 min
Delta R.T.: -0.001 min
Response: 1815150
Conc: 10.82 ug/ml



#4 2-Bromonaphthalene (SURR)

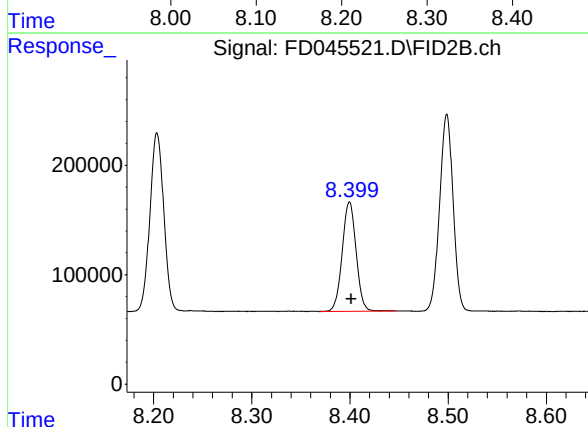
R.T.: 7.545 min
Delta R.T.: -0.001 min
Response: 1539161
Conc: 10.74 ug/ml



#5 Acenaphthylene (C15.06)

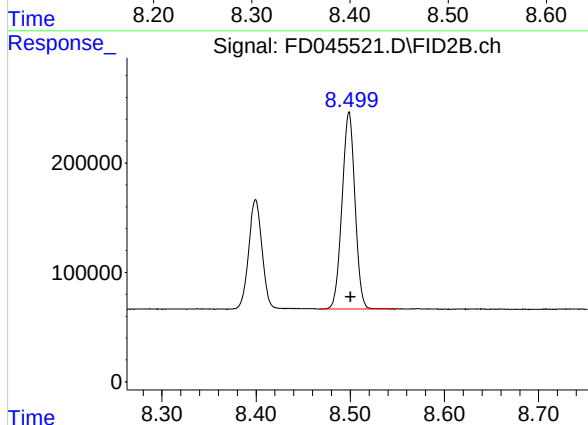
R.T.: 8.204 min
Delta R.T.: -0.002 min
Response: 1612971
Conc: 10.74 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



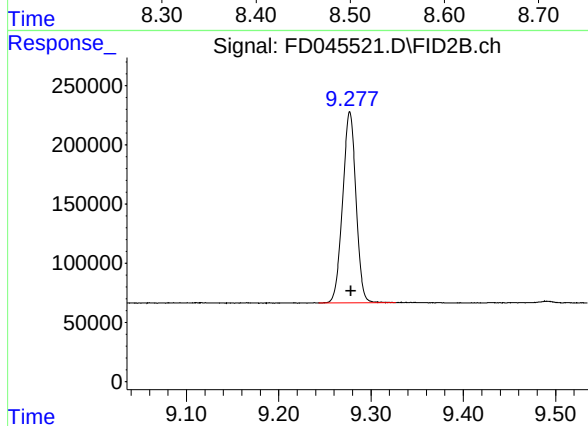
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.400 min
Delta R.T.: -0.002 min
Response: 980942
Conc: 10.55 ug/ml



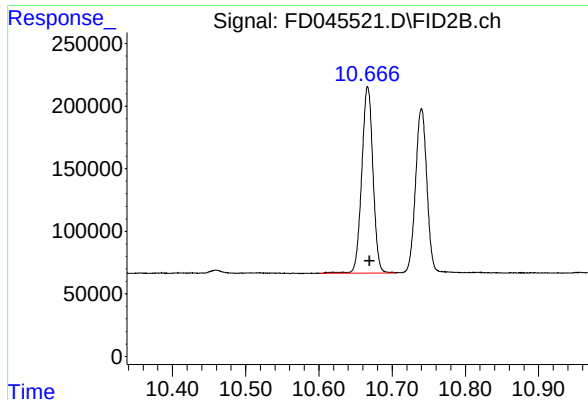
#7 Acenaphthene (C15.5)

R.T.: 8.499 min
Delta R.T.: -0.002 min
Response: 1723056
Conc: 10.71 ug/ml



#8 Flouorene (C16.55)

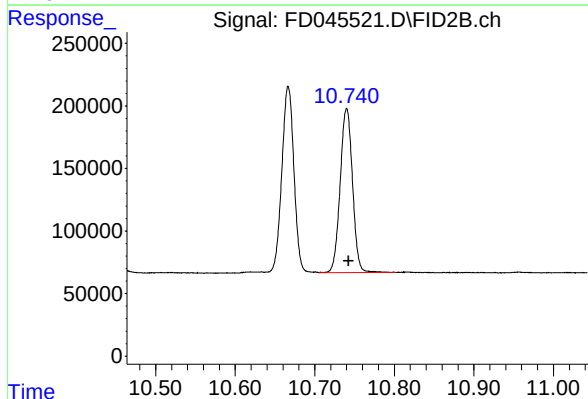
R.T.: 9.277 min
Delta R.T.: -0.001 min
Response: 1623008
Conc: 10.57 ug/ml



#9 Phenanthrene (C19.36)

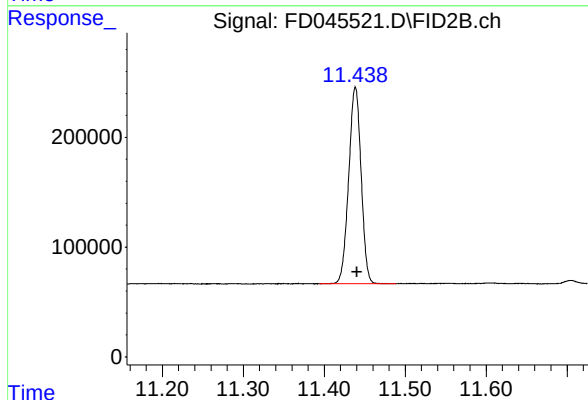
R.T.: 10.667 min
Delta R.T.: -0.002 min
Response: 1588301
Conc: 10.70 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



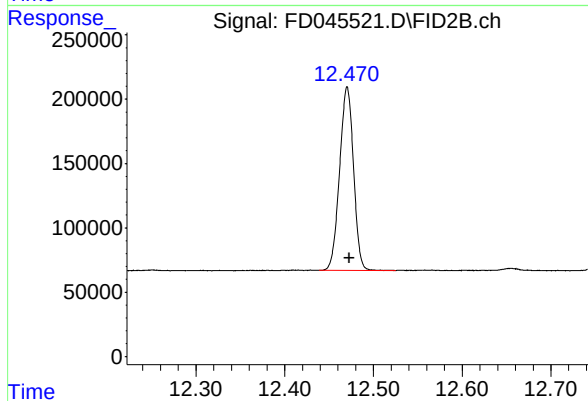
#10 Anthracene (C19.43)

R.T.: 10.740 min
Delta R.T.: -0.002 min
Response: 1414315
Conc: 11.17 ug/ml



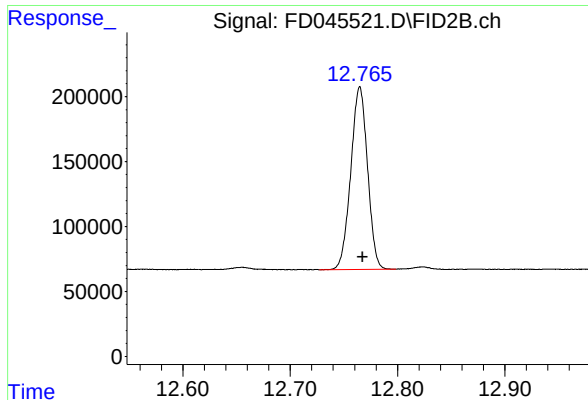
#11 ortho-Terphenyl (SURR)

R.T.: 11.438 min
Delta R.T.: -0.002 min
Response: 1909582
Conc: 10.79 ug/ml



#12 Fluoranthene (C21.85)

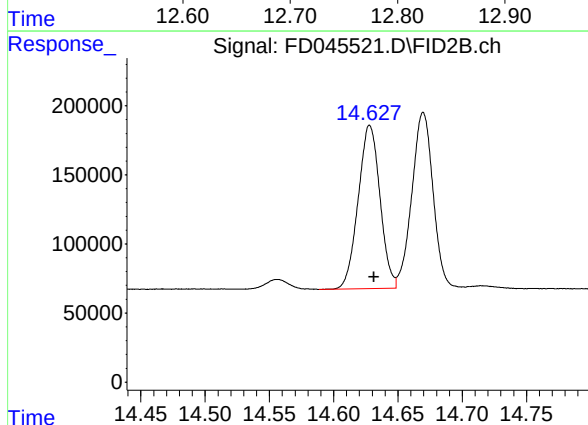
R.T.: 12.470 min
Delta R.T.: -0.002 min
Response: 1553772
Conc: 10.68 ug/ml



#13 Pyrene (C20.8)

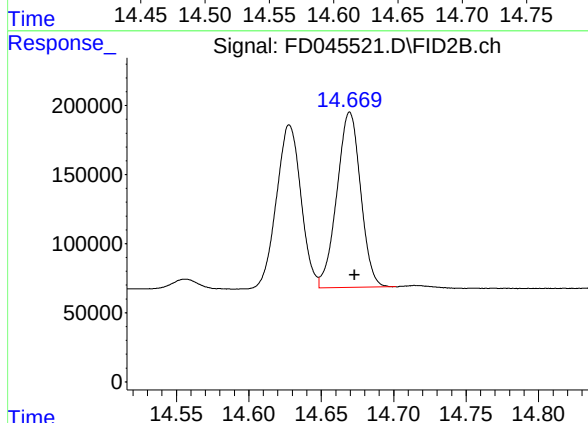
R.T.: 12.765 min
Delta R.T.: -0.003 min
Response: 1523951
Conc: 10.71 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



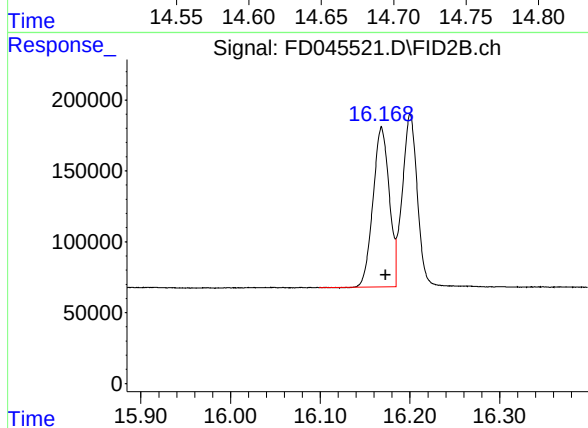
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.628 min
Delta R.T.: -0.003 min
Response: 1393017
Conc: 10.72 ug/ml



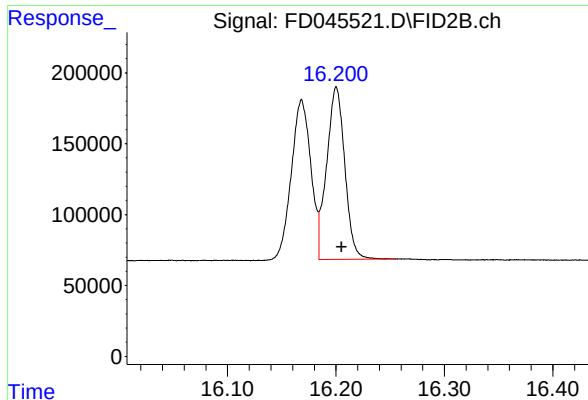
#15 Chrysene (C27.41)

R.T.: 14.670 min
Delta R.T.: -0.003 min
Response: 1446619
Conc: 10.70 ug/ml



#16 benzo[b]fluoranthene (C30.41)

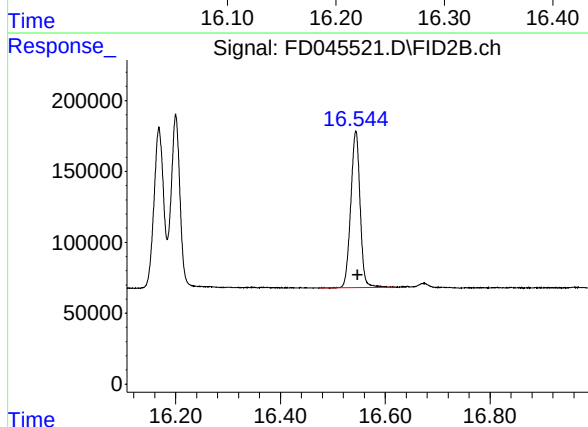
R.T.: 16.168 min
Delta R.T.: -0.004 min
Response: 1410290
Conc: 10.62 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

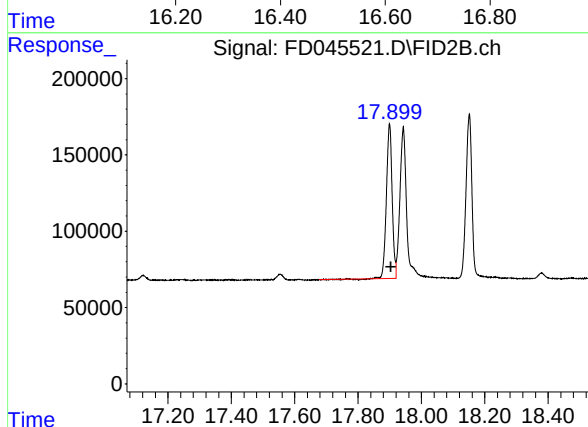
R.T.: 16.200 min
Delta R.T.: -0.005 min
Response: 1419091
Conc: 10.77 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



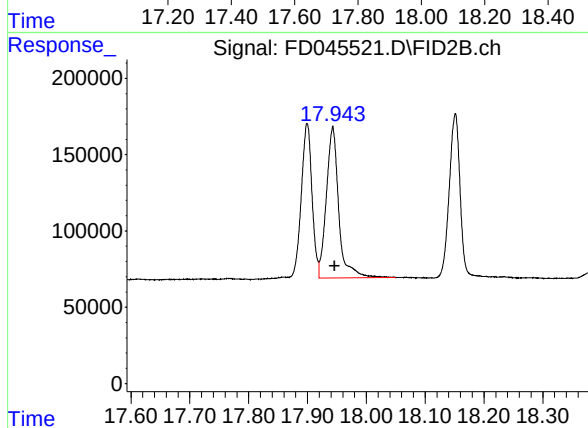
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.544 min
Delta R.T.: -0.004 min
Response: 1361838
Conc: 10.72 ug/ml



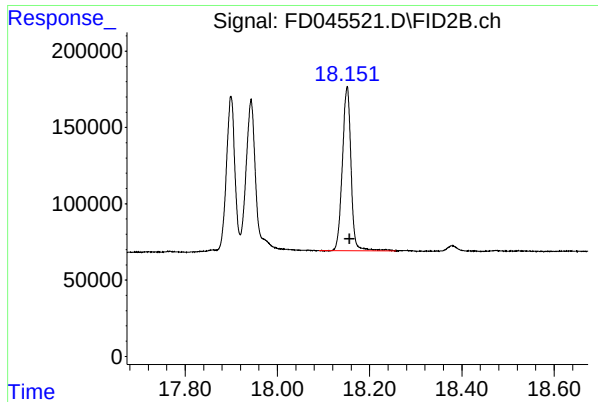
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.899 min
Delta R.T.: -0.005 min
Response: 1286359
Conc: 10.64 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.943 min
Delta R.T.: -0.003 min
Response: 1459406
Conc: 11.56 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.151 min
Delta R.T.: -0.006 min
Response: 1400573
Conc: 10.91 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045521.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 18:17
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.355	4.320	4.405	BB	208599	1809898	94.78%	5.637%
2	5.885	5.857	5.945	BB	197346	1836512	96.17%	5.720%
3	6.933	6.819	7.002	BB	188028	1815150	95.05%	5.653%
4	7.545	7.505	7.597	BB	162907	1539161	80.60%	4.794%
5	8.204	8.174	8.264	BB	163255	1612971	84.47%	5.024%
6	8.400	8.369	8.447	BB	100330	980942	51.37%	3.055%
7	8.499	8.467	8.549	BB	180282	1723056	90.23%	5.366%
8	9.277	9.244	9.327	BB	161579	1623008	84.99%	5.055%
9	10.667	10.600	10.705	BV	148942	1588301	83.18%	4.947%
10	10.740	10.705	10.802	VB	131256	1414315	74.06%	4.405%
11	11.438	11.394	11.489	BB	179347	1909582	100.00%	5.947%
12	12.470	12.439	12.525	BB	142860	1553772	81.37%	4.839%
13	12.765	12.727	12.799	BV	141147	1523951	79.81%	4.746%
14	14.628	14.589	14.648	PV	117972	1393017	72.95%	4.339%
15	14.670	14.648	14.702	VV	127036	1446619	75.76%	4.506%
16	16.168	16.099	16.184	BV	112851	1410290	73.85%	4.392%
17	16.200	16.184	16.255	VB	121879	1419091	74.31%	4.420%
18	16.544	16.474	16.620	BB	110414	1361838	71.32%	4.241%
19	17.899	17.677	17.920	BV	101718	1286359	67.36%	4.006%
20	17.943	17.920	18.050	VB	99835	1459406	76.43%	4.545%
21	18.151	18.090	18.257	BB	107078	1400573	73.34%	4.362%
Sum of corrected areas:						32107812		

Aromatic EPH 042123.M Sat Apr 22 04:01:16 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045522.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 18:57
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Apr 22 03:41:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 22 03:41:43 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.545	742968	5.146 ug/ml
Spiked Amount 50.000		Recovery =	10.29%
6) S 2-Fluorobiphenyl (SURR)	8.400	468073	5.028 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.06%
11) S ortho-Terphenyl (SURR)	11.439	931387	5.207 ug/ml
Spiked Amount 50.000		Recovery =	10.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.355	884952	5.289 ug/ml
2) T Naphthalene (C11.7)	5.886	896654	5.240 ug/ml
3) T 2-Methylnaphthalene (...)	6.934	869215	5.146 ug/ml
5) T Acenaphthylene (C15.06)	8.204	774485	5.125 ug/ml
7) T Acenaphthene (C15.5)	8.499	830757	5.129 ug/ml
8) T Fluorene (C16.55)	9.277	773974	5.033 ug/ml
9) T Phenanthrene (C19.36)	10.667	756767	5.080 ug/ml
10) T Anthracene (C19.43)	10.741	690334	5.355 ug/ml
12) T Fluoranthene (C21.85)	12.470	766327	5.211 ug/ml
13) T Pyrene (C20.8)	12.765	738117	5.148 ug/ml
14) T Benzo[a]anthracene (C...	14.628	666826	5.103 ug/ml
15) T Chrysene (C27.41)	14.669	701209	5.147 ug/ml
16) T benzo[b]fluoranthene ...	16.168	674629	5.065 ug/ml
17) T Bnezo[k]fluoranthene ...	16.199	707966	5.293 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.544	645816	5.067 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.899	672640	5.440 ug/ml
20) T Dibenz[a,h]anthracene...	17.942	820100	6.130 ug/ml
21) T Benzo[g,h,i]perylene ...	18.149	678053	5.222 ug/ml

(f)=RT Delta > 1/2 Window

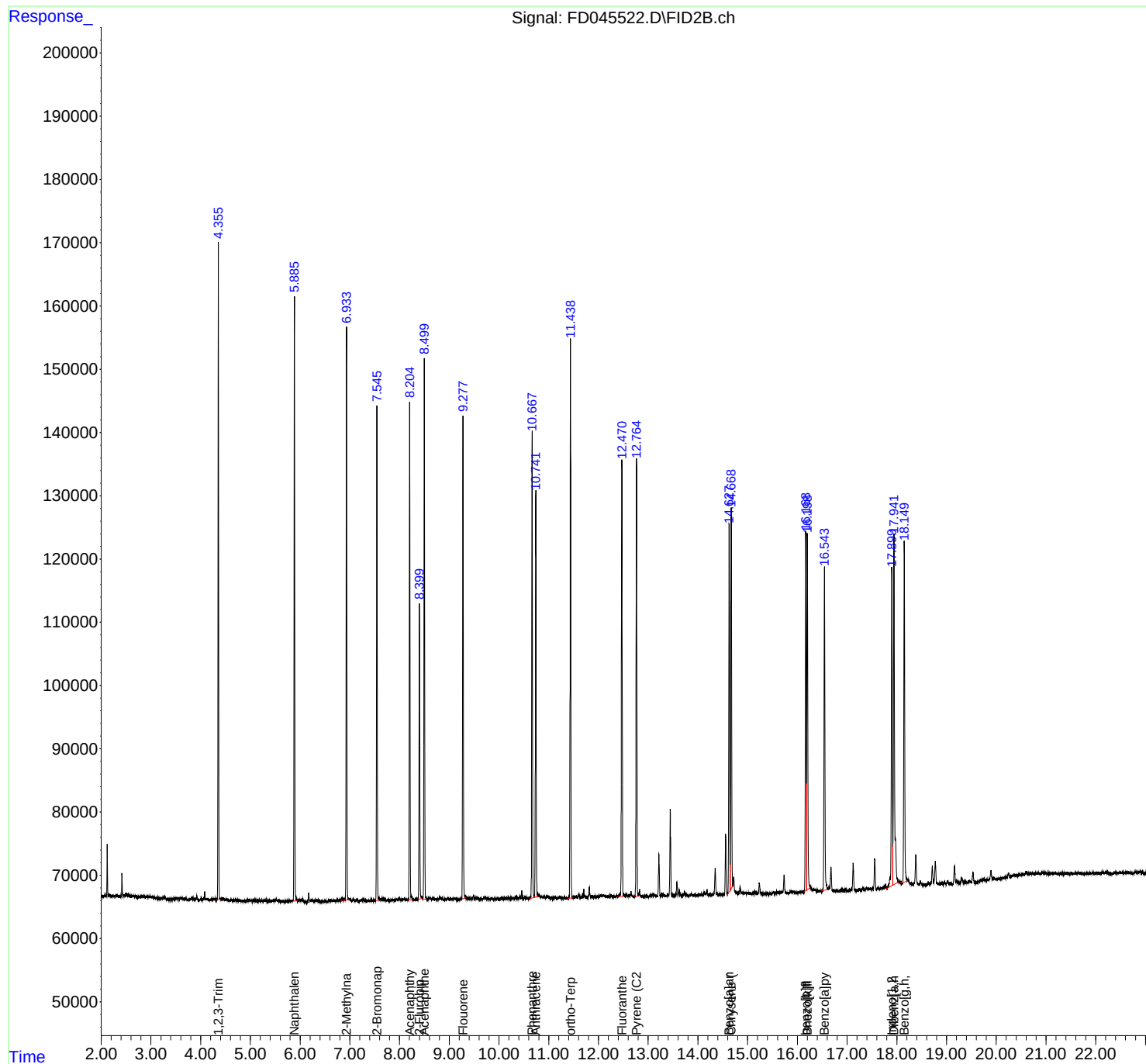
(m)=manual int.

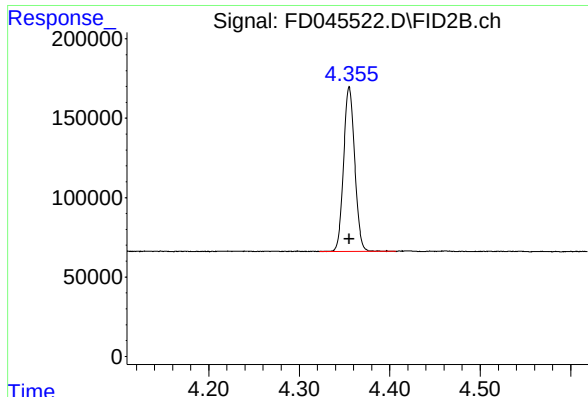
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045522.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 18:57
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Apr 22 03:41:53 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Sat Apr 22 03:41:43 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

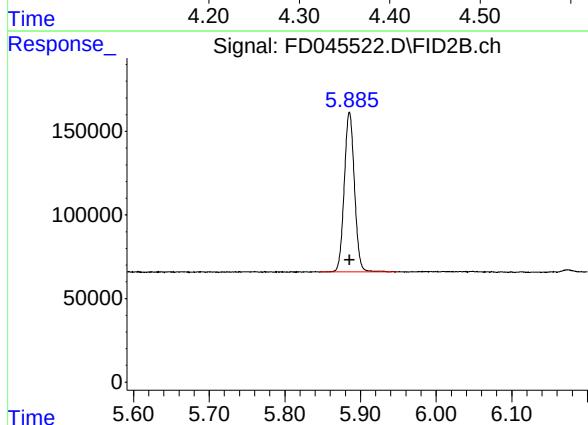




#1 1,2,3-Trimethylbenzene (C10.1)

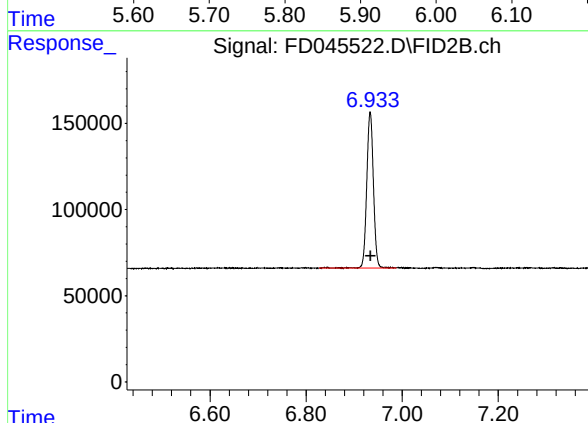
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 884952
Conc: 5.29 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



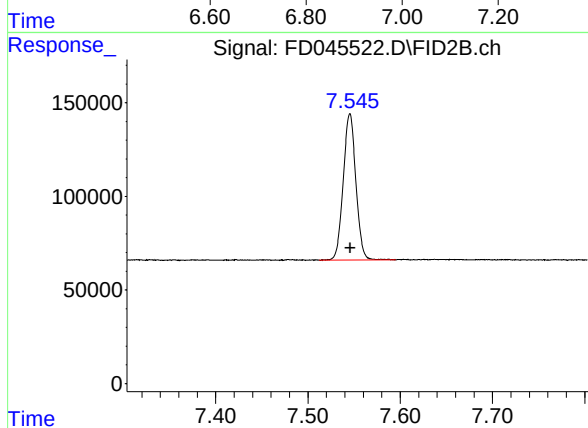
#2 Naphthalene (C11.7)

R.T.: 5.886 min
Delta R.T.: 0.000 min
Response: 896654
Conc: 5.24 ug/ml



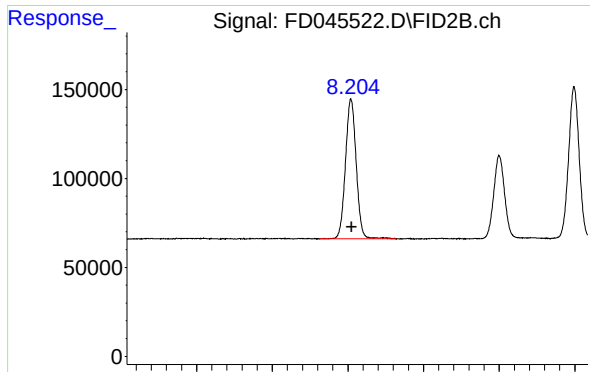
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 869215
Conc: 5.15 ug/ml



#4 2-Bromonaphthalene (SURR)

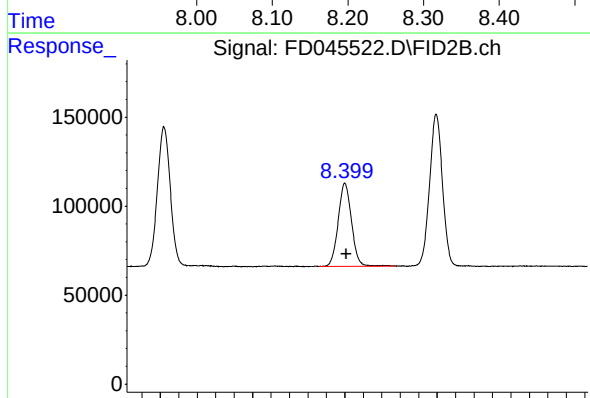
R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 742968
Conc: 5.15 ug/ml



#5 Acenaphthylene (C15.06)

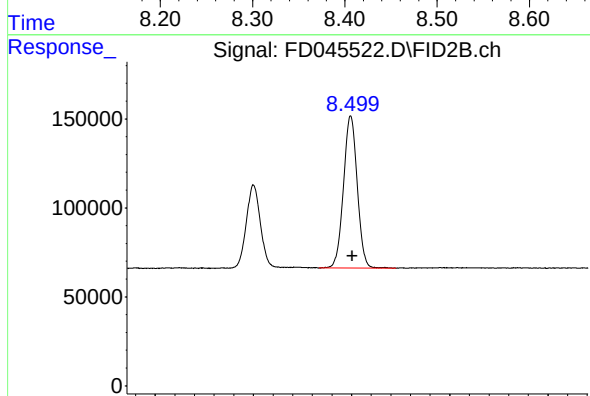
R.T.: 8.204 min
Delta R.T.: 0.000 min
Response: 774485
Conc: 5.13 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



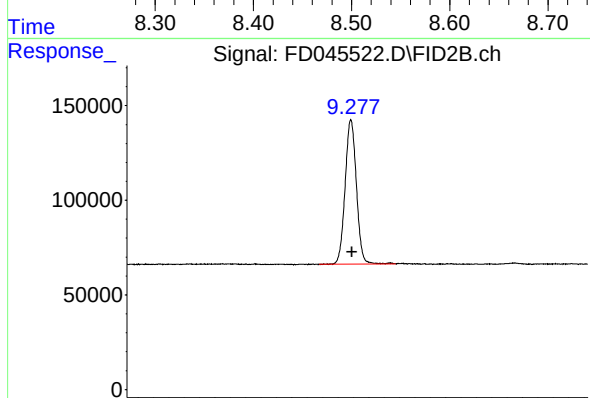
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.400 min
Delta R.T.: -0.001 min
Response: 468073
Conc: 5.03 ug/ml



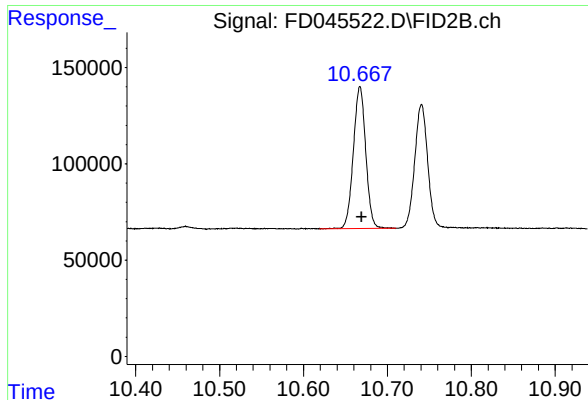
#7 Acenaphthene (C15.5)

R.T.: 8.499 min
Delta R.T.: -0.001 min
Response: 830757
Conc: 5.13 ug/ml



#8 Fluorene (C16.55)

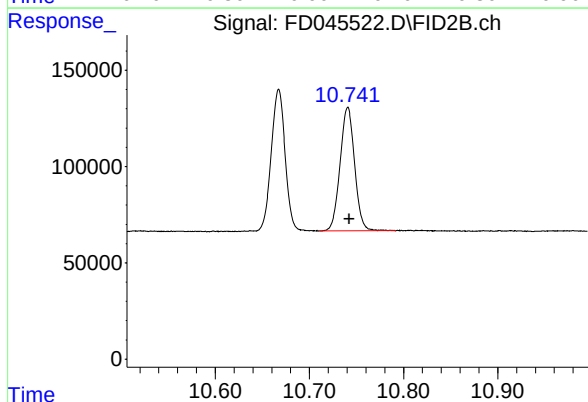
R.T.: 9.277 min
Delta R.T.: -0.002 min
Response: 773974
Conc: 5.03 ug/ml



#9 Phenanthrene (C19.36)

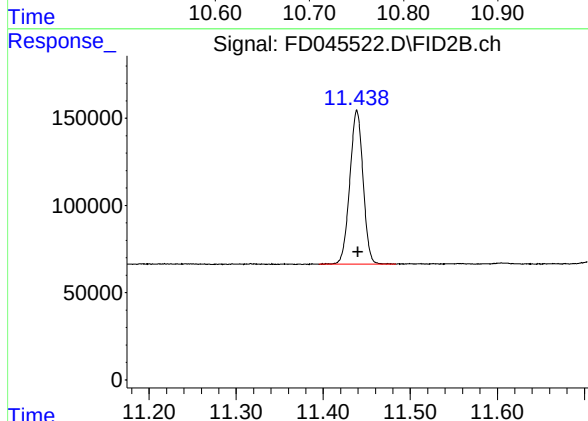
R.T.: 10.667 min
Delta R.T.: -0.002 min
Response: 756767
Conc: 5.08 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



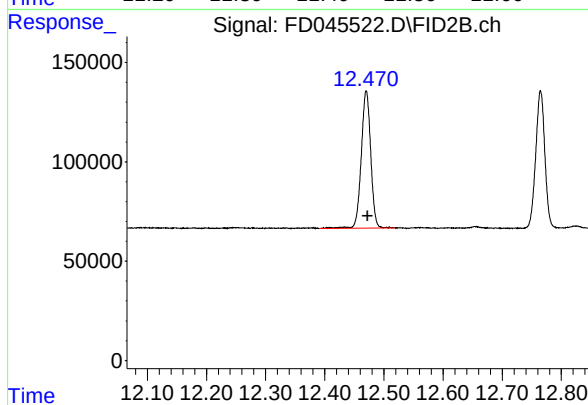
#10 Anthracene (C19.43)

R.T.: 10.741 min
Delta R.T.: -0.002 min
Response: 690334
Conc: 5.36 ug/ml



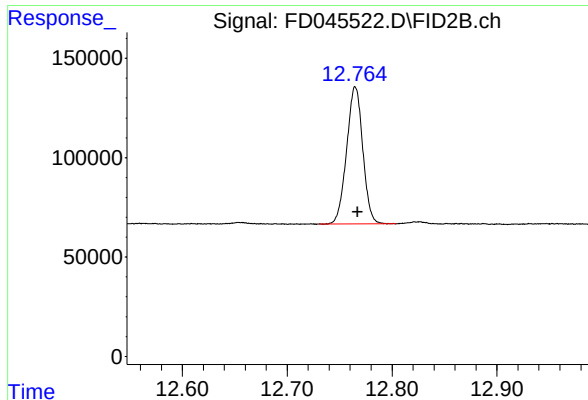
#11 ortho-Terphenyl (SURR)

R.T.: 11.439 min
Delta R.T.: -0.002 min
Response: 931387
Conc: 5.21 ug/ml



#12 Fluoranthene (C21.85)

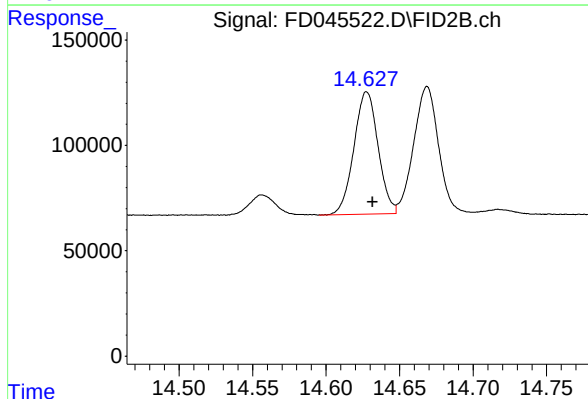
R.T.: 12.470 min
Delta R.T.: -0.003 min
Response: 766327
Conc: 5.21 ug/ml



#13 Pyrene (C20.8)

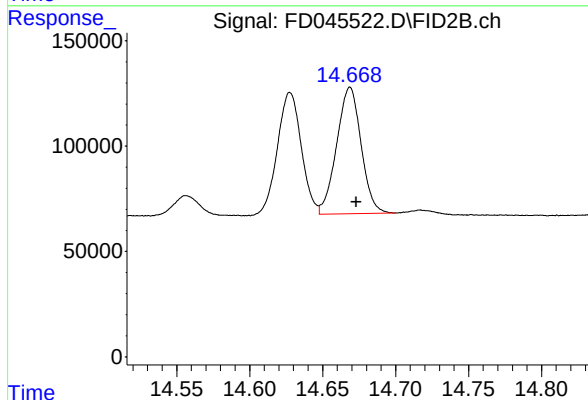
R.T.: 12.765 min
Delta R.T.: -0.002 min
Response: 738117
Conc: 5.15 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



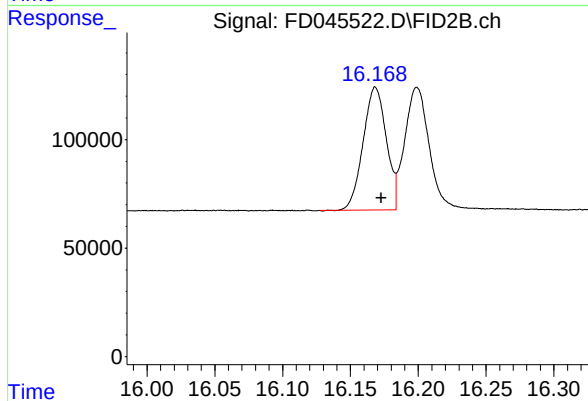
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.628 min
Delta R.T.: -0.004 min
Response: 666826
Conc: 5.10 ug/ml



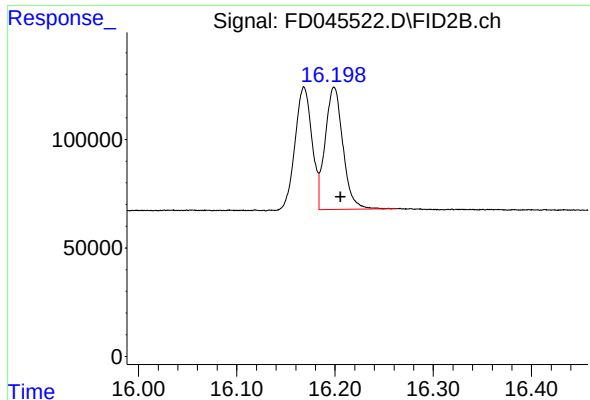
#15 Chrysene (C27.41)

R.T.: 14.669 min
Delta R.T.: -0.004 min
Response: 701209
Conc: 5.15 ug/ml



#16 benzo[b]fluoranthene (C30.41)

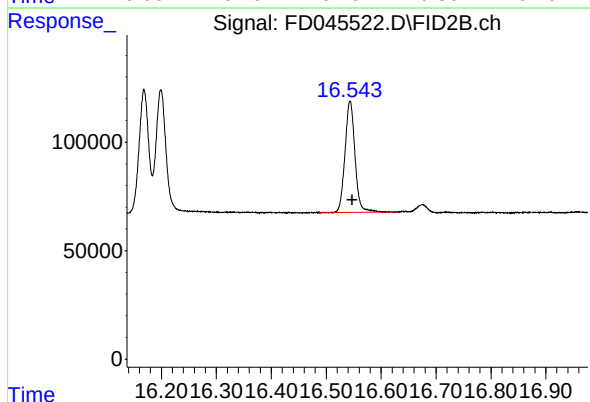
R.T.: 16.168 min
Delta R.T.: -0.004 min
Response: 674629
Conc: 5.06 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

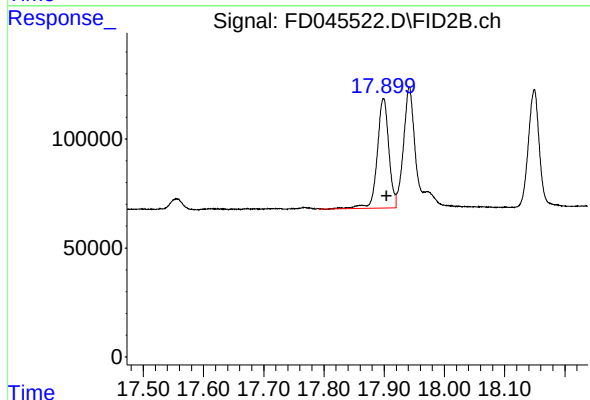
R.T.: 16.199 min
Delta R.T.: -0.006 min
Response: 707966
Conc: 5.29 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



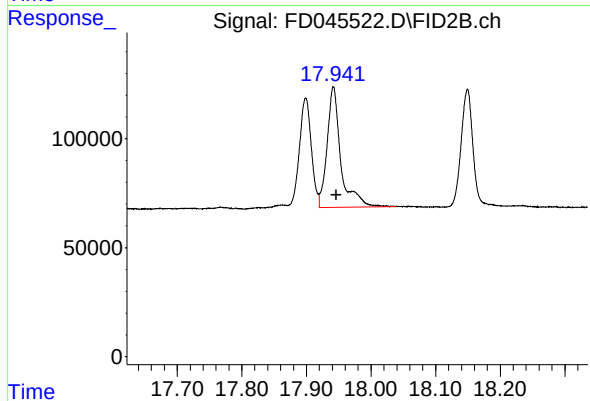
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.544 min
Delta R.T.: -0.004 min
Response: 645816
Conc: 5.07 ug/ml



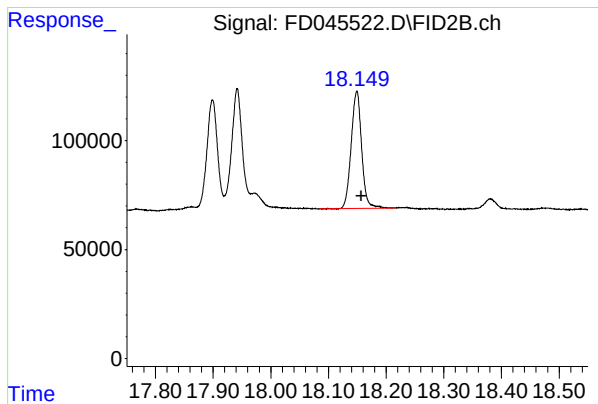
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.899 min
Delta R.T.: -0.005 min
Response: 672640
Conc: 5.44 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.942 min
Delta R.T.: -0.005 min
Response: 820100
Conc: 6.13 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.149 min
Delta R.T.: -0.008 min
Response: 678053
Conc: 5.22 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045522.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 18:57
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.355	4.322	4.407	BB	103603	884952	95.01%	5.640%
2	5.886	5.845	5.947	BB	95561	896654	96.27%	5.714%
3	6.934	6.827	6.987	BB	90639	869215	93.32%	5.539%
4	7.545	7.512	7.595	BB	78102	742968	79.77%	4.735%
5	8.204	8.162	8.264	BB	78654	774485	83.15%	4.936%
6	8.400	8.372	8.455	BB	46583	468073	50.26%	2.983%
7	8.499	8.467	8.545	BB	85495	830757	89.20%	5.294%
8	9.277	9.235	9.335	BB	76218	773974	83.10%	4.933%
9	10.667	10.619	10.710	BV	73778	756767	81.25%	4.823%
10	10.741	10.710	10.792	VB	64183	690334	74.12%	4.399%
11	11.439	11.395	11.484	BB	88242	931387	100.00%	5.936%
12	12.470	12.390	12.520	BB	69126	766327	82.28%	4.884%
13	12.765	12.730	12.804	BV	68868	738117	79.25%	4.704%
14	14.628	14.595	14.648	PV	58282	666826	71.59%	4.250%
15	14.669	14.648	14.700	VV	60273	701209	75.29%	4.469%
16	16.168	16.127	16.184	BV	56703	674629	72.43%	4.299%
17	16.199	16.184	16.262	VB	56413	707966	76.01%	4.512%
18	16.544	16.487	16.627	BB	51206	645816	69.34%	4.116%
19	17.899	17.792	17.920	BV	50436	672640	72.22%	4.287%
20	17.942	17.920	18.039	VB	55484	820100	88.05%	5.226%
21	18.149	18.084	18.217	BB	53793	678053	72.80%	4.321%
Sum of corrected areas:						15691248		

Aromatic EPH 042123.M Sat Apr 22 04:01:37 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045523.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 20:15
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Apr 24 08:41:09 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 24 08:37:21 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.546	2788956	19.291 ug/ml
Spiked Amount 50.000		Recovery =	38.58%
6) S 2-Fluorobiphenyl (SURR)	8.402	1815125	19.465 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.93%
11) S ortho-Terphenyl (SURR)	11.440	3218650	17.984 ug/ml
Spiked Amount 50.000		Recovery =	35.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.354	3387750	20.219 ug/ml
2) T Naphthalene (C11.7)	5.886	3435628	20.075 ug/ml
3) T 2-Methylnaphthalene (...)	6.935	3295449	19.478 ug/ml
5) T Acenaphthylene (C15.06)	8.206	3096059	20.466 ug/ml
7) T Acenaphthene (C15.5)	8.501	3381130	20.854 ug/ml
8) T Fluorene (C16.55)	9.279	3055601	19.837 ug/ml
9) T Phenanthrene (C19.36)	10.669	2916713	19.553 ug/ml
10) T Anthracene (C19.43)	10.742	2303820	17.835 ug/ml
12) T Fluoranthene (C21.85)	12.473	2869892	19.500 ug/ml
13) T Pyrene (C20.8)	12.768	2883545	20.101 ug/ml
14) T Benzo[a]anthracene (C...	14.631	2604025	19.871 ug/ml
15) T Chrysene (C27.41)	14.673	2739195	20.066 ug/ml
16) T benzo[b]fluoranthene ...	16.173	2630881	19.703 ug/ml
17) T Bnezo[k]fluoranthene ...	16.205	2530711	18.918 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.547	2378880	18.591 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.903	2181949	17.370 ug/ml
20) T Dibenz[a,h]anthracene...	17.945	2271721	16.676 ug/ml
21) T Benzo[g,h,i]perylene ...	18.156	2334256	17.818 ug/ml

(f)=RT Delta > 1/2 Window

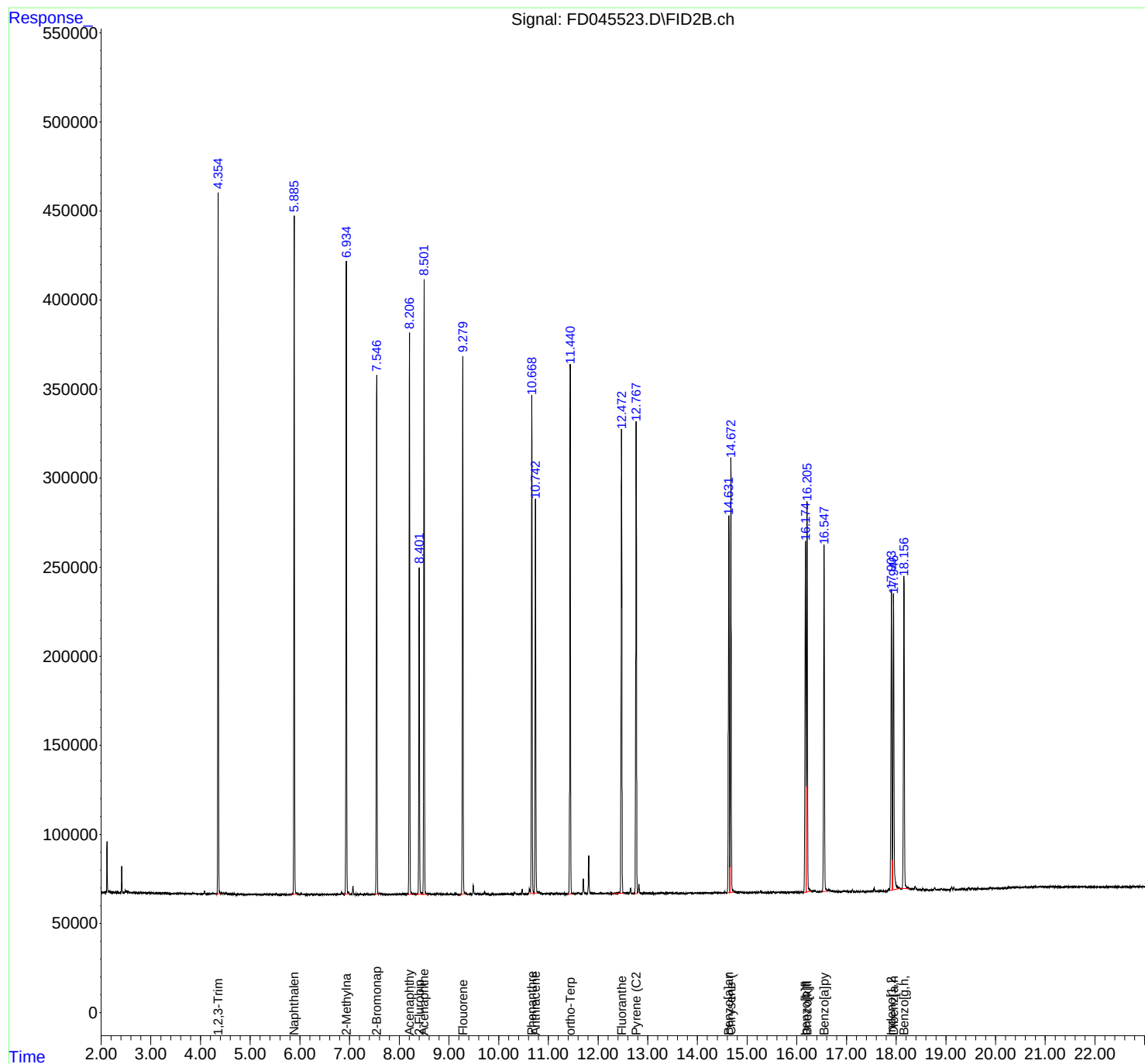
(m)=manual int.

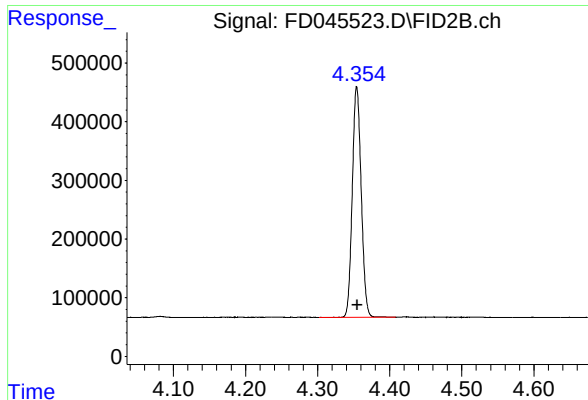
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045523.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 20:15
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 24 08:41:09 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Mon Apr 24 08:37:21 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

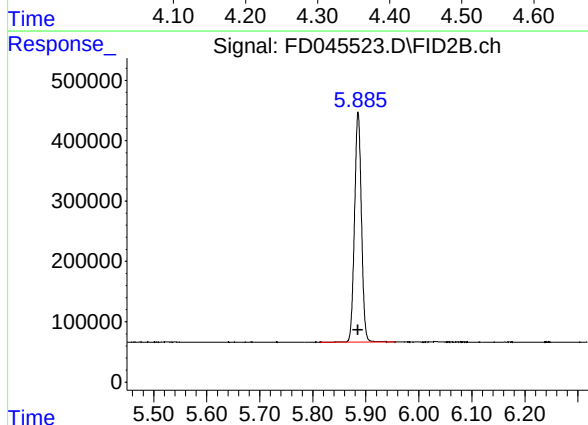




#1 1,2,3-Trimethylbenzene (C10.1)

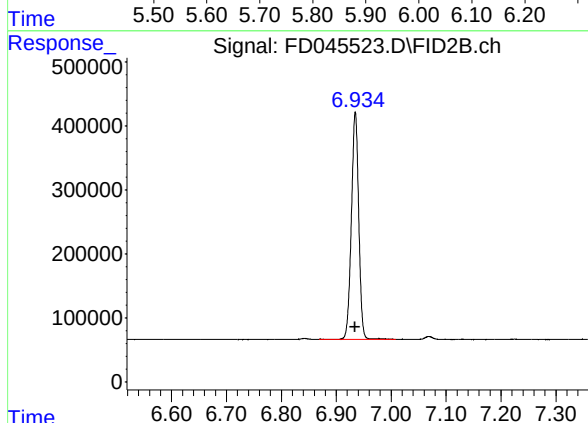
R.T.: 4.354 min
Delta R.T.: 0.000 min
Response: 3387750
Conc: 20.22 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



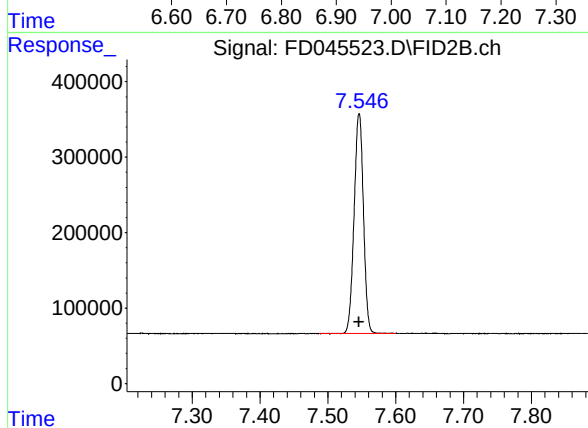
#2 Naphthalene (C11.7)

R.T.: 5.886 min
Delta R.T.: 0.000 min
Response: 3435628
Conc: 20.07 ug/ml



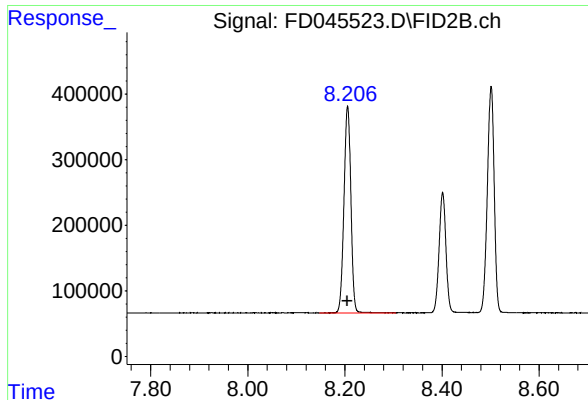
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.935 min
Delta R.T.: 0.000 min
Response: 3295449
Conc: 19.48 ug/ml



#4 2-Bromonaphthalene (SURR)

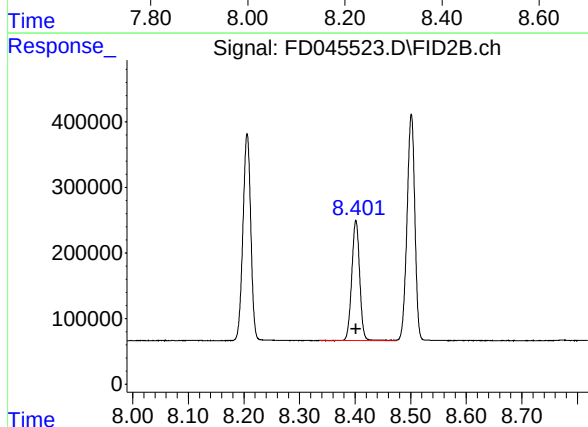
R.T.: 7.546 min
Delta R.T.: 0.000 min
Response: 2788956
Conc: 19.29 ug/ml



#5 Acenaphthylene (C15.06)

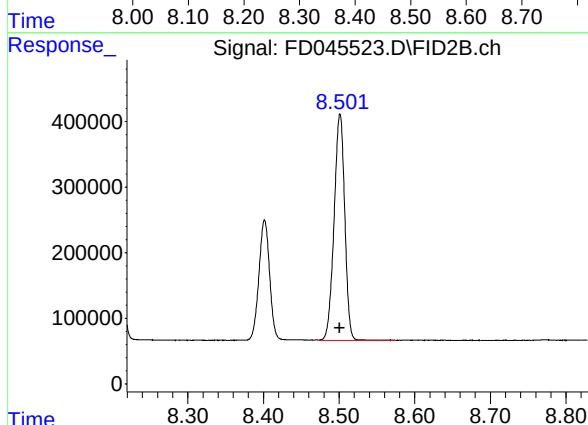
R.T.: 8.206 min
Delta R.T.: 0.000 min
Response: 3096059
Conc: 20.47 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



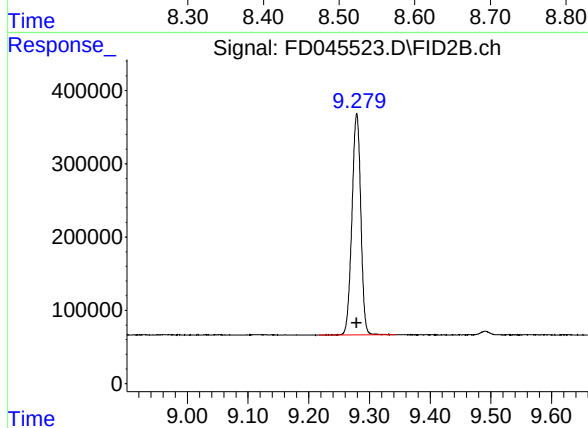
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.402 min
Delta R.T.: 0.000 min
Response: 1815125
Conc: 19.47 ug/ml



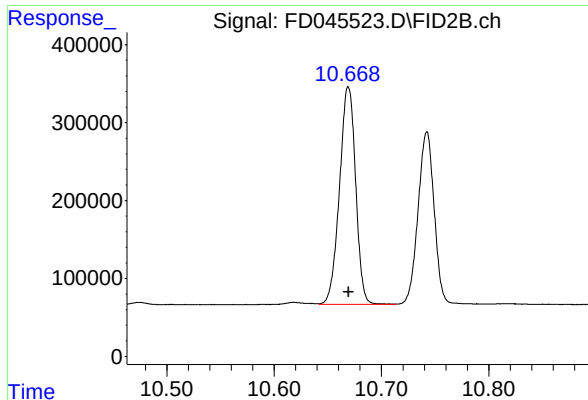
#7 Acenaphthene (C15.5)

R.T.: 8.501 min
Delta R.T.: 0.000 min
Response: 3381130
Conc: 20.85 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.279 min
Delta R.T.: 0.000 min
Response: 3055601
Conc: 19.84 ug/ml



#9 Phenanthrene (C19.36)

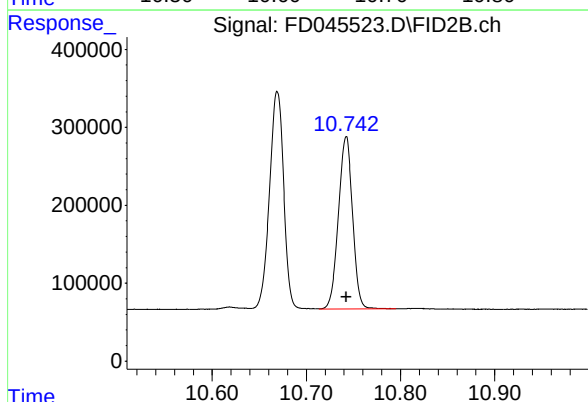
R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 2916713
Conc: 19.55 ug/ml

Instrument :

FID_D

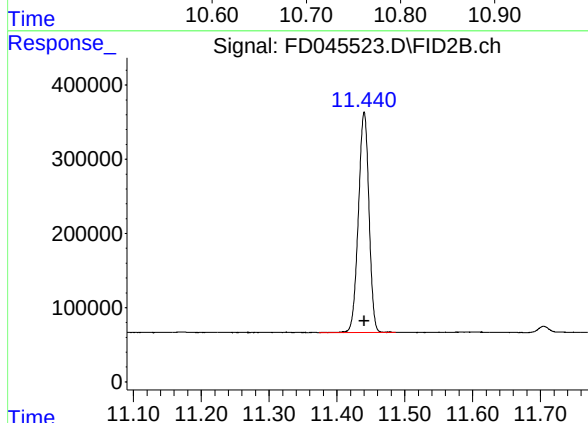
ClientSampleId :

20 PPM AROMATIC HC STD ICV



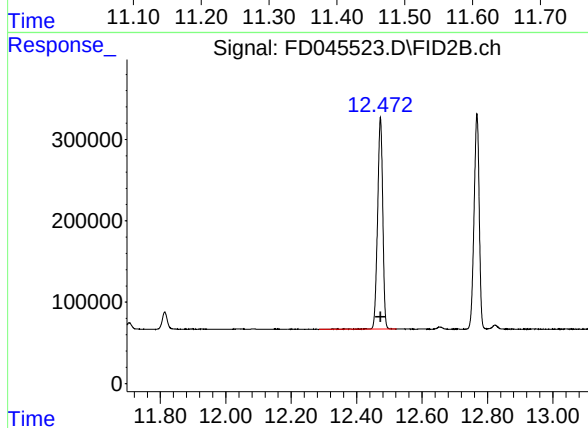
#10 Anthracene (C19.43)

R.T.: 10.742 min
Delta R.T.: 0.000 min
Response: 2303820
Conc: 17.84 ug/ml



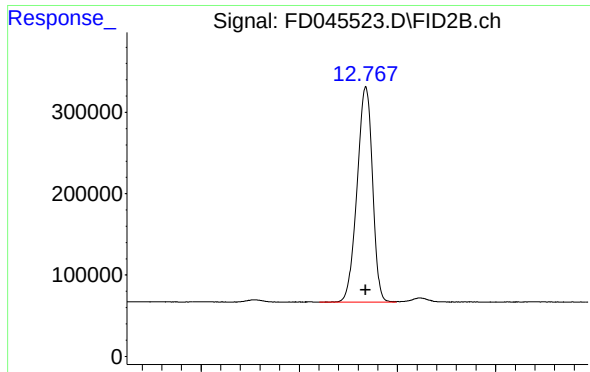
#11 ortho-Terphenyl (SURR)

R.T.: 11.440 min
Delta R.T.: 0.000 min
Response: 3218650
Conc: 17.98 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.473 min
Delta R.T.: 0.000 min
Response: 2869892
Conc: 19.50 ug/ml



#13 Pyrene (C20.8)

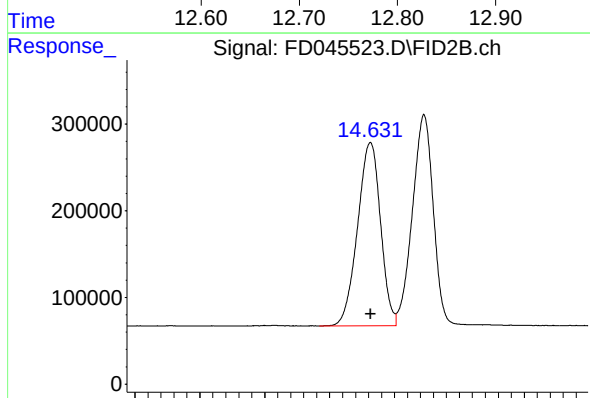
R.T.: 12.768 min
Delta R.T.: 0.000 min
Response: 2883545
Conc: 20.10 ug/ml

Instrument :

FID_D

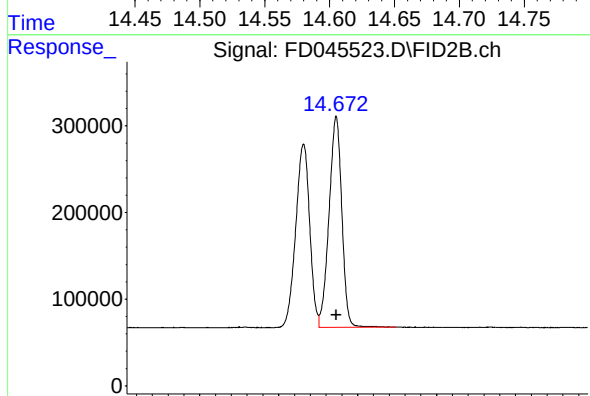
ClientSampleId :

20 PPM AROMATIC HC STD ICV



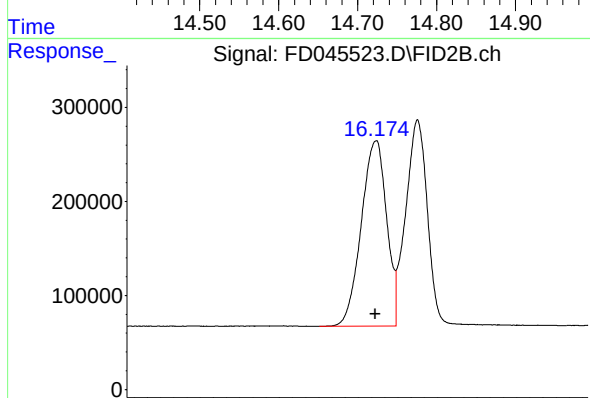
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.631 min
Delta R.T.: 0.000 min
Response: 2604025
Conc: 19.87 ug/ml



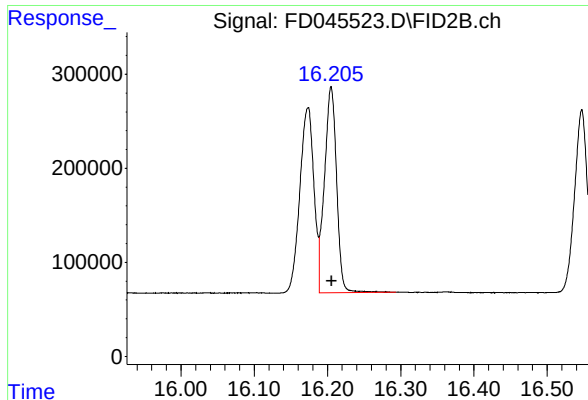
#15 Chrysene (C27.41)

R.T.: 14.673 min
Delta R.T.: 0.000 min
Response: 2739195
Conc: 20.07 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.173 min
Delta R.T.: 0.000 min
Response: 2630881
Conc: 19.70 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

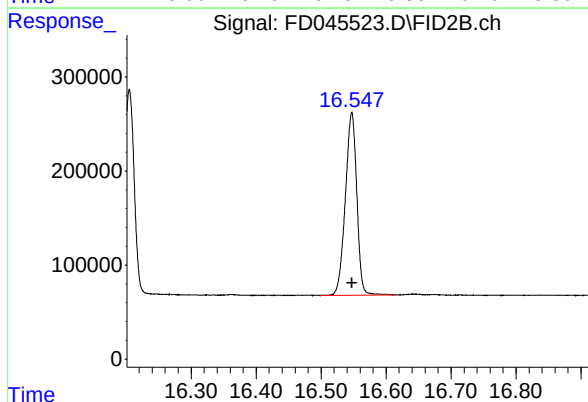
R.T.: 16.205 min
Delta R.T.: 0.000 min
Response: 2530711
Conc: 18.92 ug/ml

Instrument :

FID_D

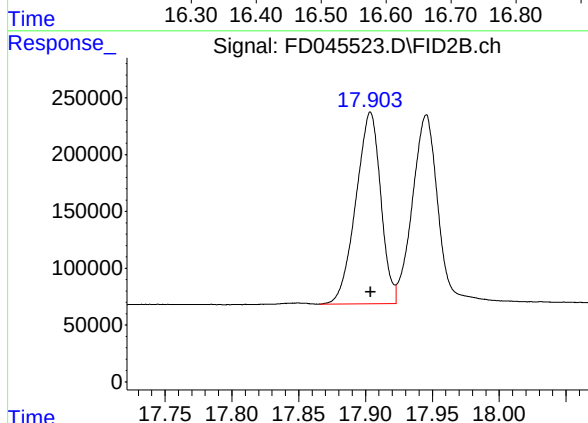
ClientSampleId :

20 PPM AROMATIC HC STD ICV



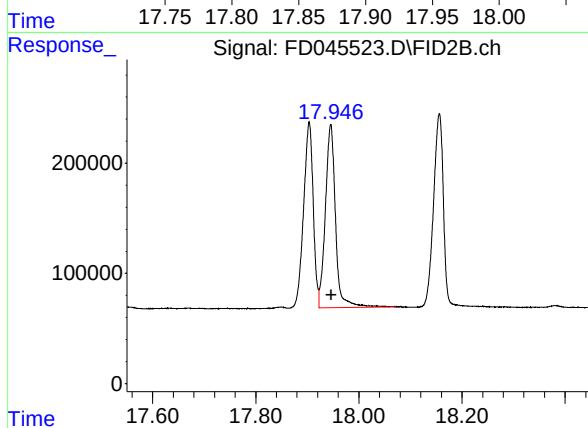
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.547 min
Delta R.T.: 0.000 min
Response: 2378880
Conc: 18.59 ug/ml



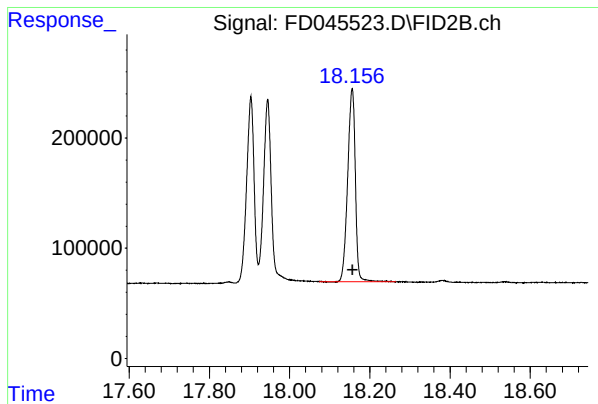
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.903 min
Delta R.T.: 0.000 min
Response: 2181949
Conc: 17.37 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.945 min
Delta R.T.: -0.001 min
Response: 2271721
Conc: 16.68 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.156 min
Delta R.T.: -0.001 min
Response: 2334256
Conc: 17.82 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045523.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 20:15
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.354	4.302	4.409	BV	391105	3387750	98.61%	5.829%
2	5.886	5.812	5.957	BB	380759	3435628	100.00%	5.911%
3	6.935	6.869	7.009	BB	355675	3295449	95.92%	5.670%
4	7.546	7.487	7.600	BB	292498	2788956	81.18%	4.799%
5	8.206	8.147	8.305	BB	315045	3096059	90.12%	5.327%
6	8.402	8.335	8.474	BV	183429	1815125	52.83%	3.123%
7	8.501	8.474	8.575	VB	346668	3381130	98.41%	5.818%
8	9.279	9.217	9.344	BB	301443	3055601	88.94%	5.257%
9	10.669	10.642	10.714	VV	279704	2916713	84.90%	5.018%
10	10.742	10.714	10.795	VV	221186	2303820	67.06%	3.964%
11	11.440	11.374	11.487	BB	297607	3218650	93.68%	5.538%
12	12.473	12.285	12.520	BB	260145	2869892	83.53%	4.938%
13	12.768	12.720	12.799	BV	264453	2883545	83.93%	4.961%
14	14.631	14.592	14.651	BV	211980	2604025	75.79%	4.480%
15	14.673	14.651	14.749	VB	244096	2739195	79.73%	4.713%
16	16.173	16.130	16.189	BV	197449	2630881	76.58%	4.527%
17	16.205	16.189	16.294	VB	219274	2530711	73.66%	4.354%
18	16.547	16.497	16.615	BV	194305	2378880	69.24%	4.093%
19	17.903	17.865	17.923	PV	169052	2181949	63.51%	3.754%
20	17.945	17.923	18.072	VB	166161	2271721	66.12%	3.909%
21	18.156	18.074	18.265	BB	175152	2334256	67.94%	4.016%
Sum of corrected areas:							58119936	

Aromatic EPH 042123.M Sat Apr 22 04:01:58 2023