

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071025AL\
 Data File : FC069417.D
 Signal(s) : FID1A.ch
 Acq On : 10 Jul 2025 15:38
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/11/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File: autoint1.e
 Quant Time: Jul 11 01:15:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 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)	11.671	3250168	18.813 ug/ml
Spiked Amount 50.000		Recovery =	37.63%
12) S 1-chlorooctadecane (S...	13.107	2448644	18.743 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
Target Compounds			
1) T n-Nonane (C9)	3.403	2950061	20.743 ug/ml
2) T n-Decane (C10)	4.476	3080157	21.040 ug/ml
3) T A~Naphthalene (C11.7)	6.071	3358562	20.874 ug/ml
4) T n-Dodecane (C12)	6.501	3120716	20.609 ug/ml
5) T A~2-methylnaphthalene...	7.130	3233238	20.431 ug/ml
6) T n-Tetradecane (C14)	8.300	3109178	20.059 ug/ml
7) T n-Hexadecane (C16)	9.904	3159500	19.334 ug/ml
8) T n-Octadecane (C18)	11.349	3114738	19.077 ug/ml
10) T n-Eicosane (C20)	12.661	2900448	19.002 ug/ml
11) T n-Heneicosane (C21)	13.274	2806587	19.042 ug/ml
13) T n-Docosane (C22)	13.862	2757641	19.166 ug/ml
14) T n-Tetracosane (C24)	14.966	2676731	19.406 ug/ml
15) T n-Hexacosane (C26)	15.989	2535941	19.399 ug/ml
16) T n-Octacosane (C28)	16.940	2475203	20.070 ug/ml
17) T n-Tricontane (C30)	17.827	2554731	21.489 ug/ml
18) T n-Dotriacontane (C32)	18.662	2475077	22.637 ug/ml
19) T n-Tetratriacontane (C34)	19.446	2217208	22.960 ug/ml
20) T n-Hexatriacontane (C36)	20.184	1887919	22.908 ug/mlm
21) T n-Octatriacontane (C38)	20.952	1707309	22.846 ug/ml
22) T n-Tetracontane (C40)	21.916	1612594	22.772 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071025AL\
Data File : FC069417.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 15:38
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

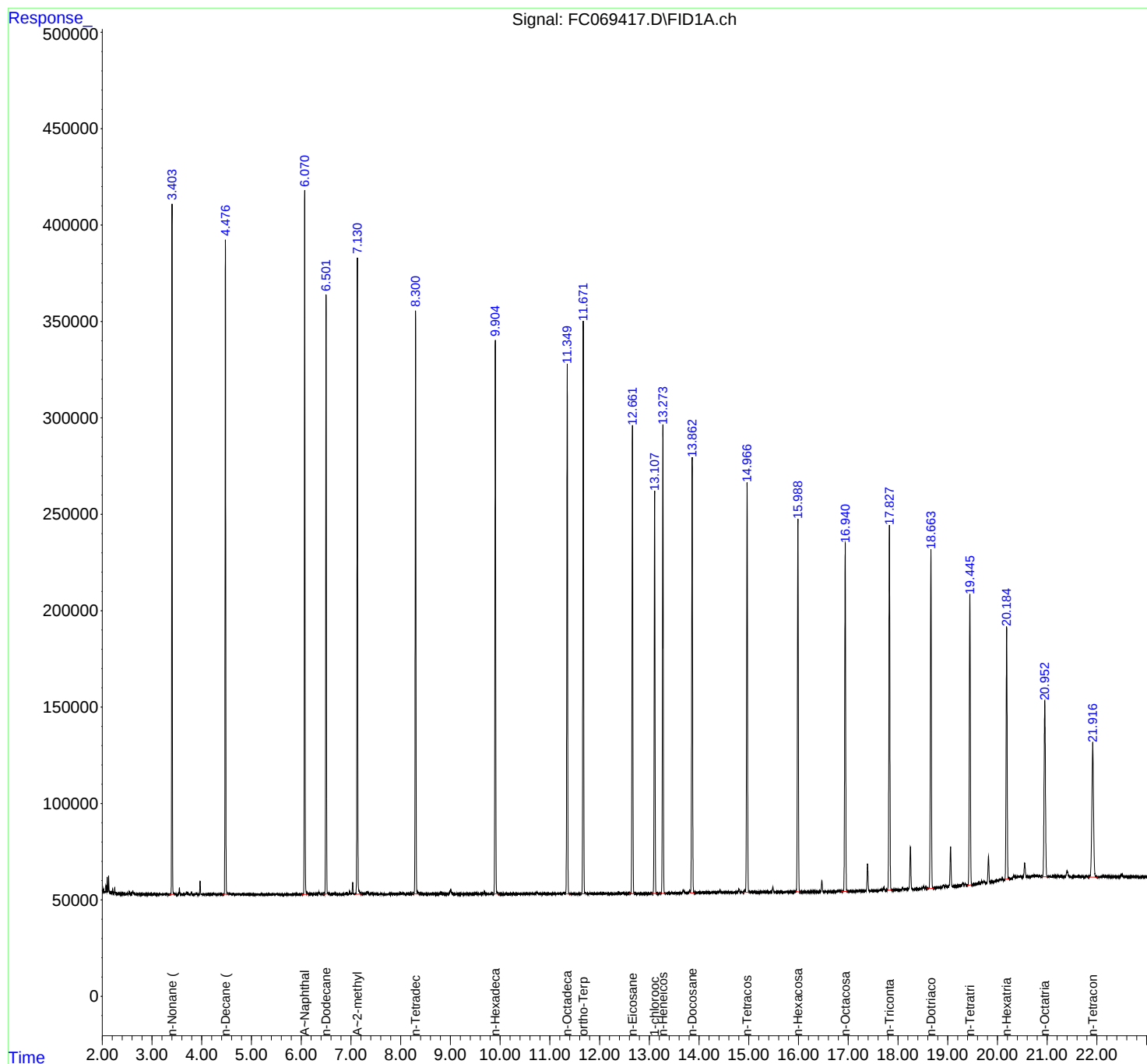
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

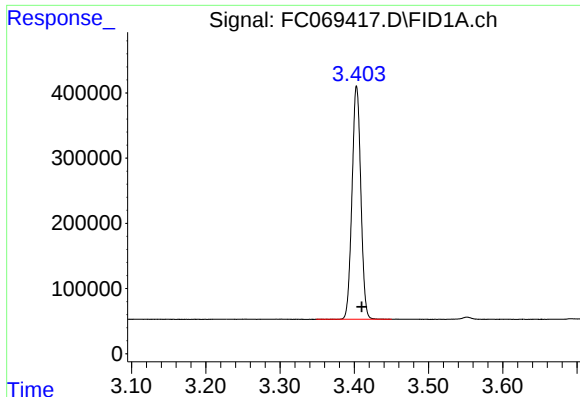
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/11/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File: autoint1.e
Quant Time: Jul 11 01:15:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





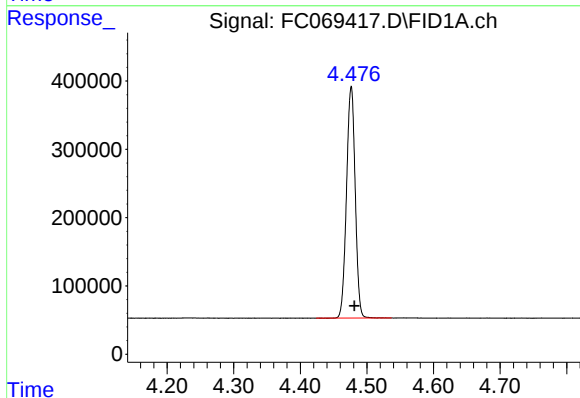
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.007 min
Response: 2950061
Conc: 20.74 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

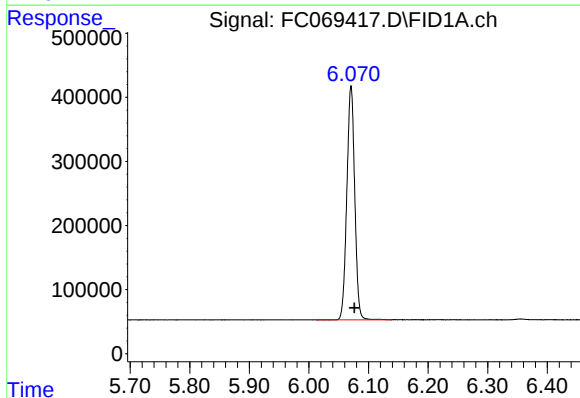
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/11/2025
Supervised By :mohammad ahmed 07/11/2025



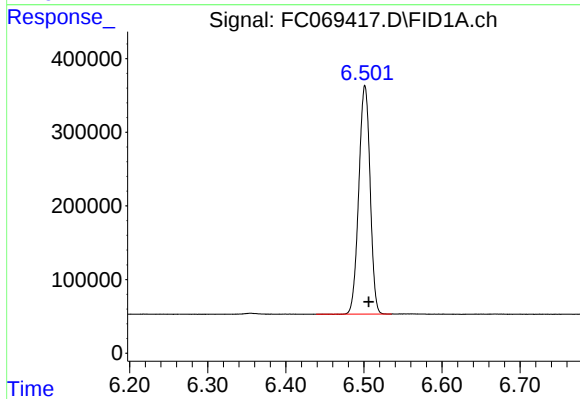
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.005 min
Response: 3080157
Conc: 21.04 ug/ml



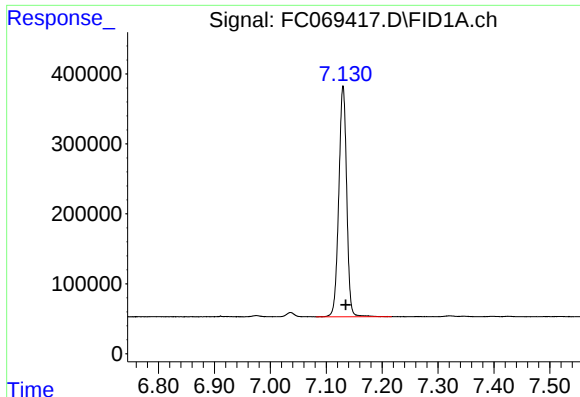
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.006 min
Response: 3358562
Conc: 20.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.501 min
Delta R.T.: -0.005 min
Response: 3120716
Conc: 20.61 ug/ml



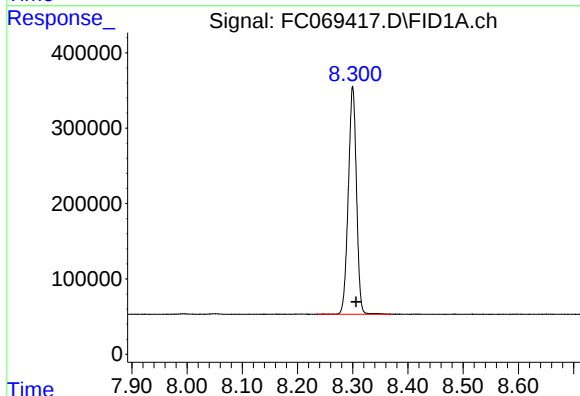
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.130 min
Delta R.T.: -0.005 min
Response: 3233238
Conc: 20.43 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

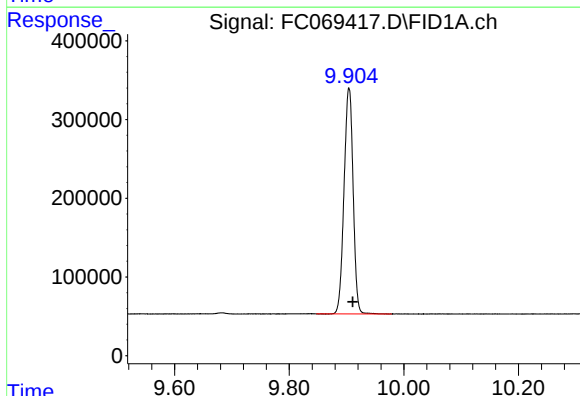
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/11/2025
Supervised By :mohammad ahmed 07/11/2025



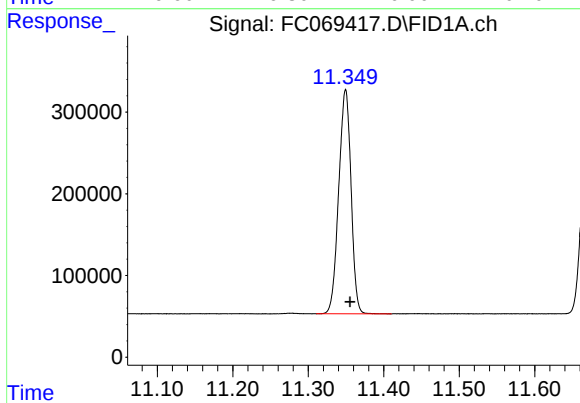
#6 n-Tetradecane (C14)

R.T.: 8.300 min
Delta R.T.: -0.006 min
Response: 3109178
Conc: 20.06 ug/ml



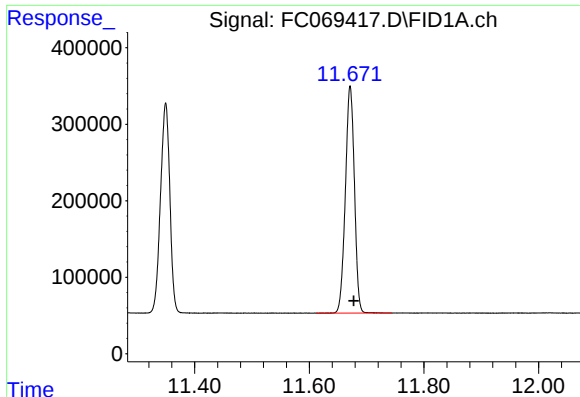
#7 n-Hexadecane (C16)

R.T.: 9.904 min
Delta R.T.: -0.006 min
Response: 3159500
Conc: 19.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.349 min
Delta R.T.: -0.006 min
Response: 3114738
Conc: 19.08 ug/ml



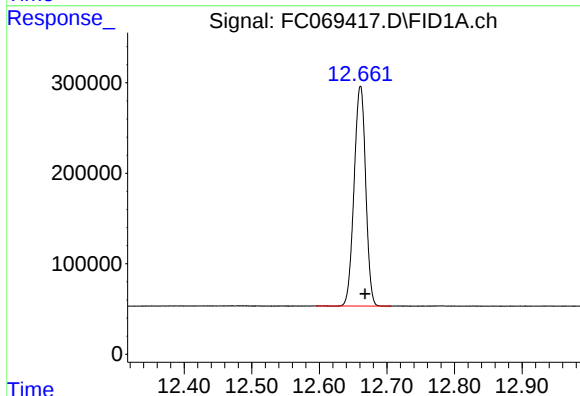
#9 ortho-Terphenyl (SURR)

R.T.: 11.671 min
Delta R.T.: -0.006 min
Response: 3250168
Conc: 18.81 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

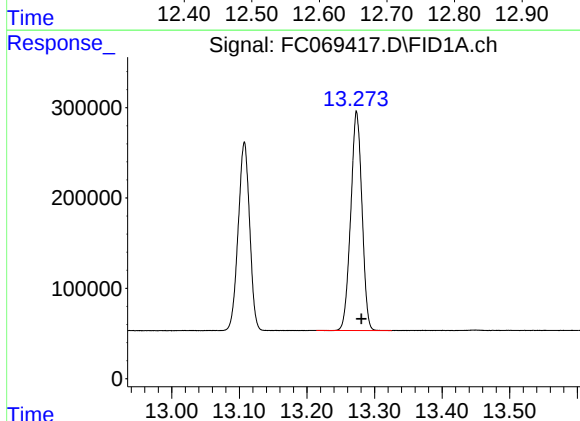
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/11/2025
Supervised By :mohammad ahmed 07/11/2025



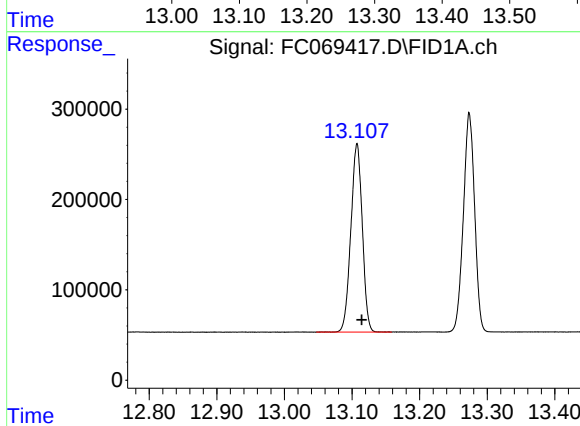
#10 n-Eicosane (C20)

R.T.: 12.661 min
Delta R.T.: -0.007 min
Response: 2900448
Conc: 19.00 ug/ml



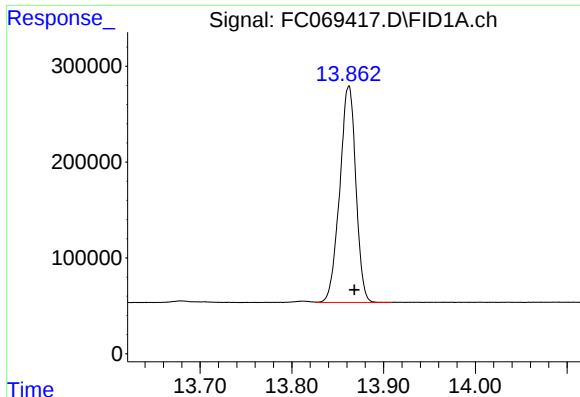
#11 n-Heneicosane (C21)

R.T.: 13.274 min
Delta R.T.: -0.007 min
Response: 2806587
Conc: 19.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.107 min
Delta R.T.: -0.007 min
Response: 2448644
Conc: 18.74 ug/ml



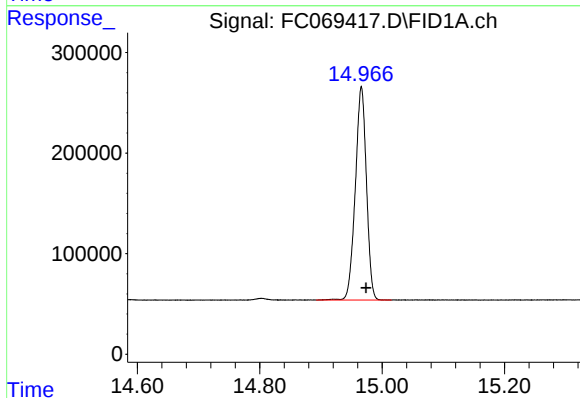
#13 n-Docosane (C22)

R.T.: 13.862 min
Delta R.T.: -0.006 min
Response: 2757641
Conc: 19.17 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

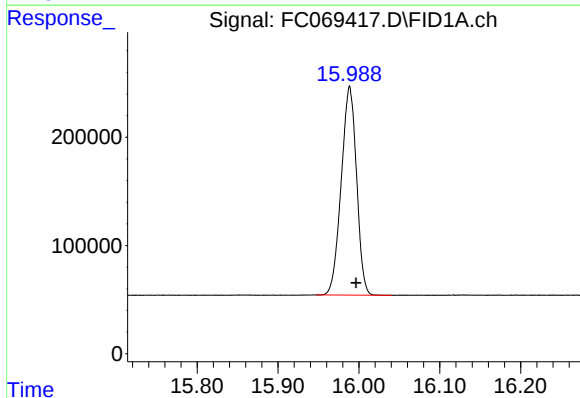
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/11/2025
Supervised By :mohammad ahmed 07/11/2025



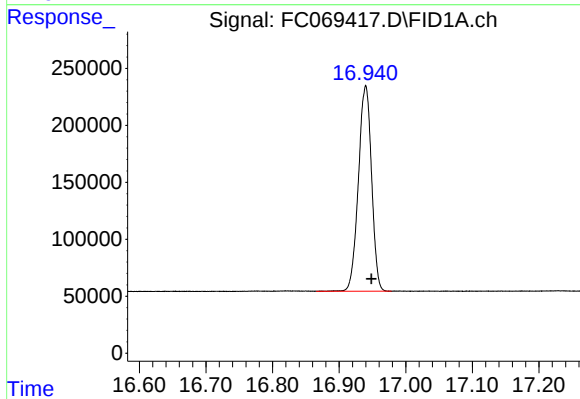
#14 n-Tetracosane (C24)

R.T.: 14.966 min
Delta R.T.: -0.008 min
Response: 2676731
Conc: 19.41 ug/ml



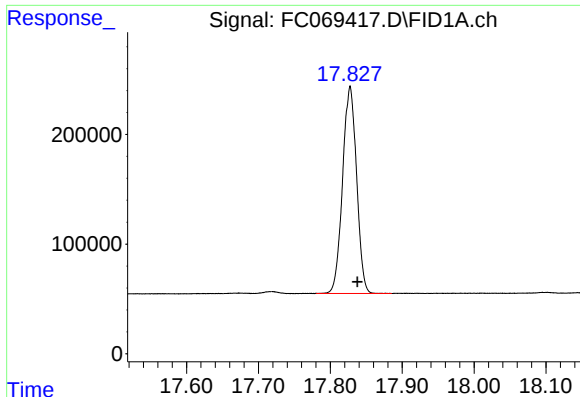
#15 n-Hexacosane (C26)

R.T.: 15.989 min
Delta R.T.: -0.008 min
Response: 2535941
Conc: 19.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.940 min
Delta R.T.: -0.009 min
Response: 2475203
Conc: 20.07 ug/ml



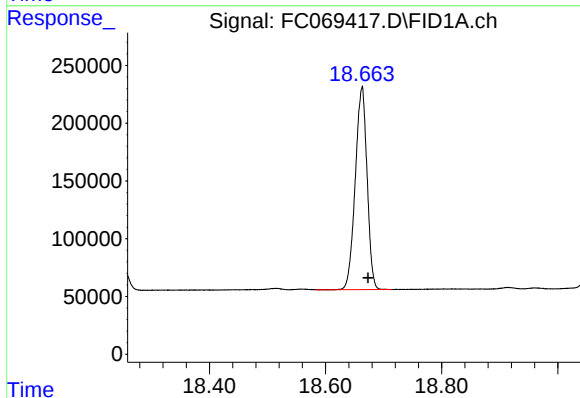
#17 n-Tricontane (C30)

R.T.: 17.827 min
Delta R.T.: -0.010 min
Response: 2554731
Conc: 21.49 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

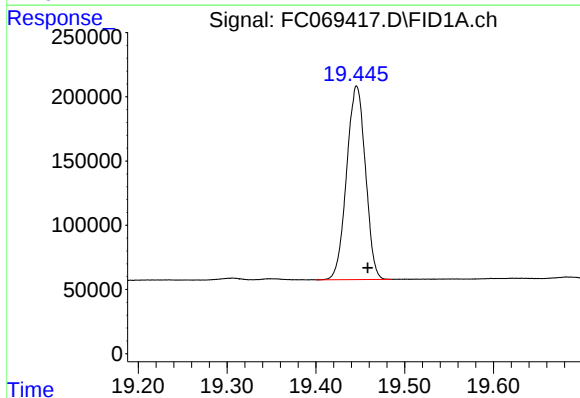
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/11/2025
Supervised By :mohammad ahmed 07/11/2025



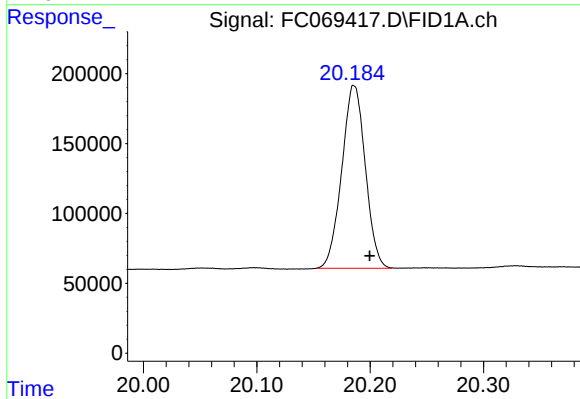
#18 n-Dotriacontane (C32)

R.T.: 18.662 min
Delta R.T.: -0.011 min
Response: 2475077
Conc: 22.64 ug/ml



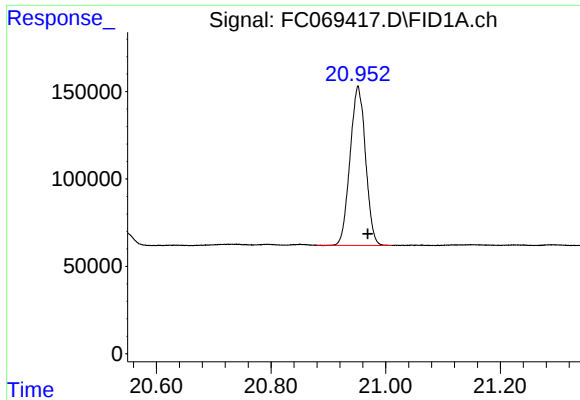
#19 n-Tetratriacontane (C34)

R.T.: 19.446 min
Delta R.T.: -0.012 min
Response: 2217208
Conc: 22.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.184 min
Delta R.T.: -0.015 min
Response: 1887919
Conc: 22.91 ug/ml m



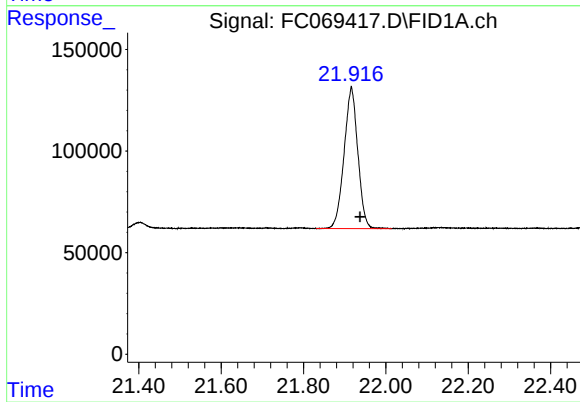
#21 n-Octatriacontane (C38)

R.T.: 20.952 min
Delta R.T.: -0.017 min
Response: 1707309
Conc: 22.85 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/11/2025
Supervised By :mohammad ahmed 07/11/2025



#22 n-Tetracontane (C40)

R.T.: 21.916 min
Delta R.T.: -0.022 min
Response: 1612594
Conc: 22.77 ug/ml m