

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101325AL\
 Data File : FE056301.D
 Signal(s) : FID1B.ch
 Acq On : 13 Oct 2025 12:16
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File: sample.E
 Quant Time: Oct 14 02:22:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 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)	12.066	4071608	21.698 ug/ml
Spiked Amount 50.000		Recovery =	43.40%
12) S 1-chlorooctadecane (S...	13.502	2959785	21.207 ug/ml
Spiked Amount 50.000		Recovery =	42.41%
Target Compounds			
1) T n-Nonane (C9)	3.403	2288208	16.703 ug/ml
2) T n-Decane (C10)	4.663	2448754	17.546 ug/ml
3) T A~Naphthalene (C11.7)	6.383	3158202	19.780 ug/ml
4) T n-Dodecane (C12)	6.839	2729122	19.014 ug/ml
5) T A~2-methylnaphthalene...	7.484	3159699	20.317 ug/ml
6) T n-Tetradecane (C14)	8.675	2996133	20.265 ug/ml
7) T n-Hexadecane (C16)	10.289	3366188	21.183 ug/ml
8) T n-Octadecane (C18)	11.739	3660363	21.610 ug/ml
10) T n-Eicosane (C20)	13.054	3592528	21.672 ug/ml
11) T n-Heneicosane (C21)	13.668	3506741	21.581 ug/ml
13) T n-Docosane (C22)	14.257	3414425	21.368 ug/ml
14) T n-Tetracosane (C24)	15.363	3201427	21.009 ug/ml
15) T n-Hexacosane (C26)	16.387	2980802	20.899 ug/ml
16) T n-Octacosane (C28)	17.339	2863173	20.553 ug/ml
17) T n-Tricontane (C30)	18.230	2956111	19.949 ug/ml
18) T n-Dotriacontane (C32)	19.064	2972783	19.925 ug/ml
19) T n-Tetratriacontane (C34)	19.848	2864239	20.249 ug/ml
20) T n-Hexatriacontane (C36)	20.588	2593131	20.200 ug/mlm
21) T n-Octatriacontane (C38)	21.362	2513939	19.140 ug/ml
22) T n-Tetracontane (C40)	22.344	2235120	18.788 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101325AL\
Data File : FE056301.D
Signal(s) : FID1B.ch
Acq On : 13 Oct 2025 12:16
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

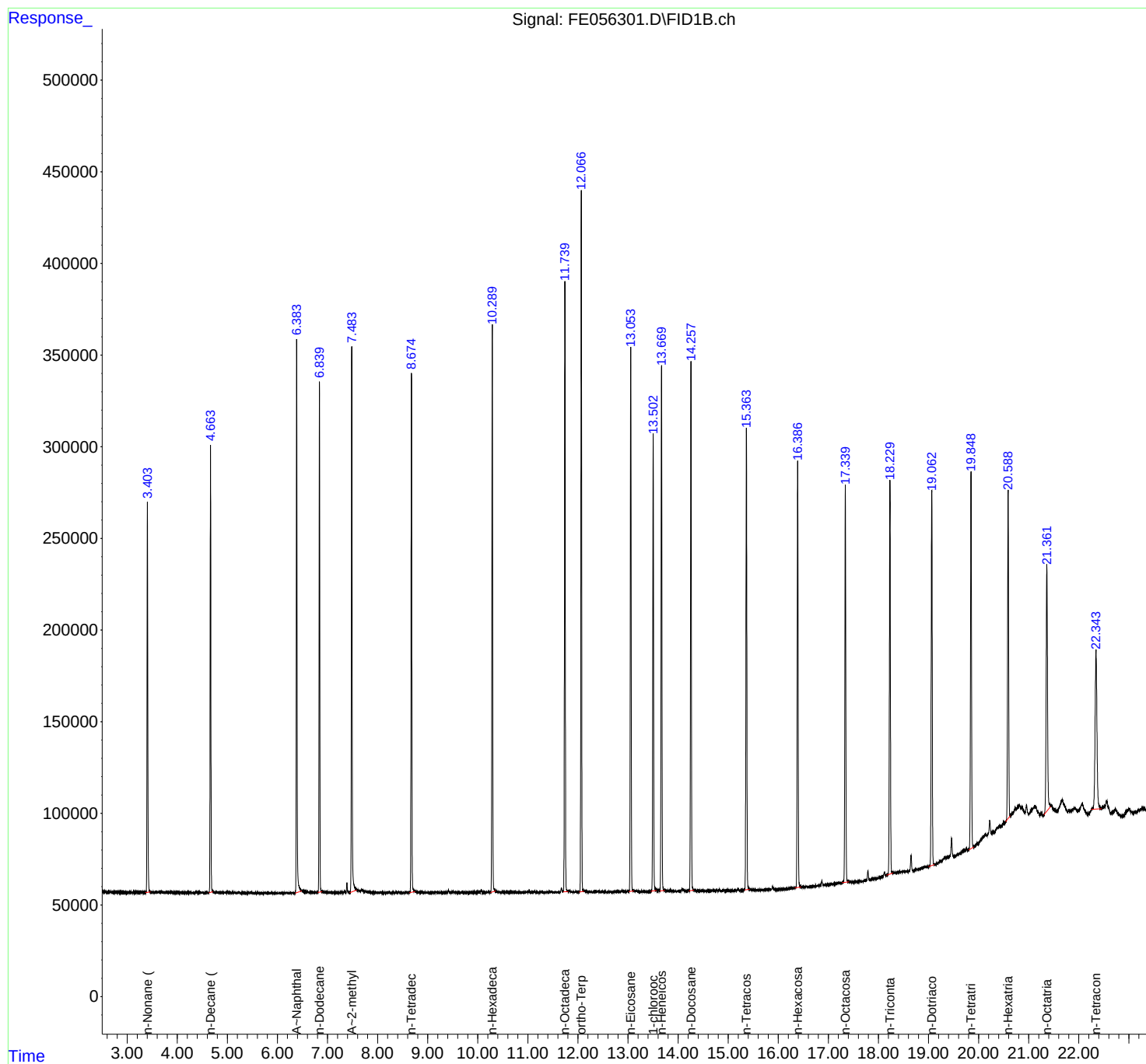
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

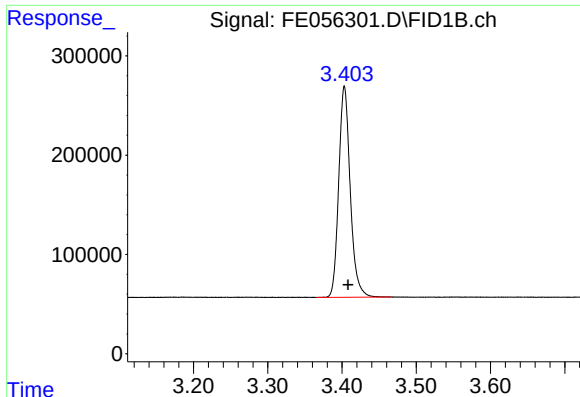
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Integration File: sample.E
Quant Time: Oct 14 02:22:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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





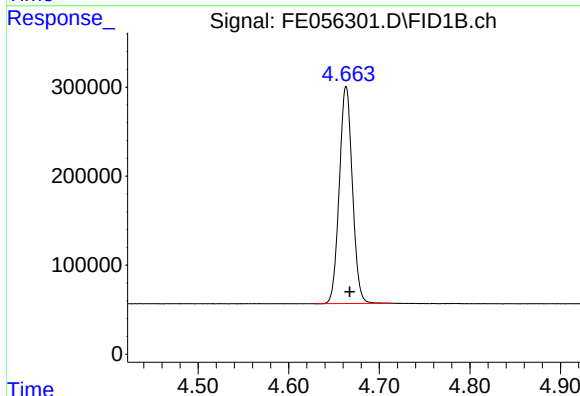
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.005 min
Response: 2288208
Conc: 16.70 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

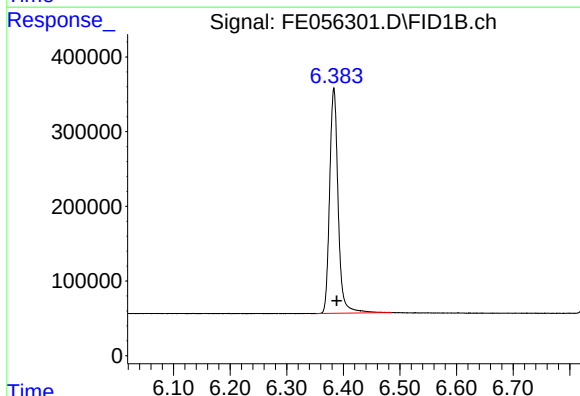
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



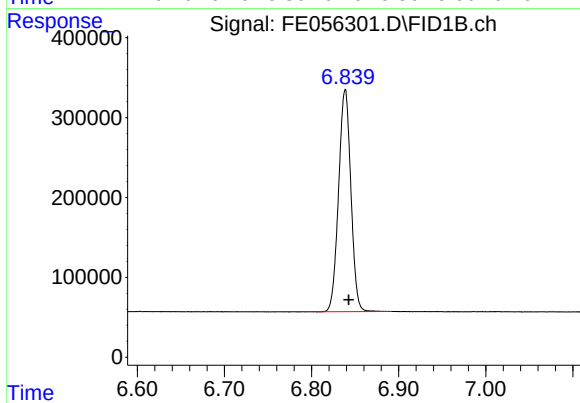
#2 n-Decane (C10)

R.T.: 4.663 min
Delta R.T.: -0.004 min
Response: 2448754
Conc: 17.55 ug/ml



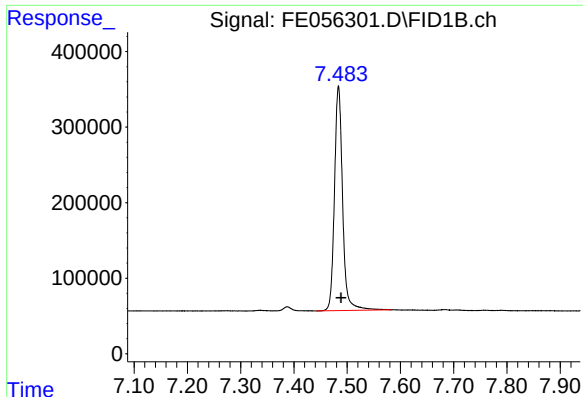
#3 A~Naphthalene (C11.7)

R.T.: 6.383 min
Delta R.T.: -0.005 min
Response: 3158202
Conc: 19.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.839 min
Delta R.T.: -0.004 min
Response: 2729122
Conc: 19.01 ug/ml



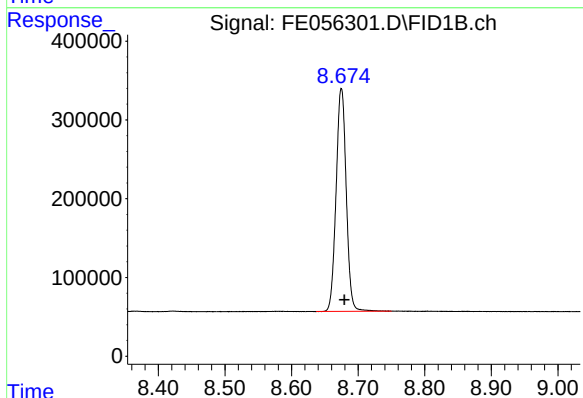
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.484 min
Delta R.T.: -0.005 min
Response: 3159699
Conc: 20.32 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

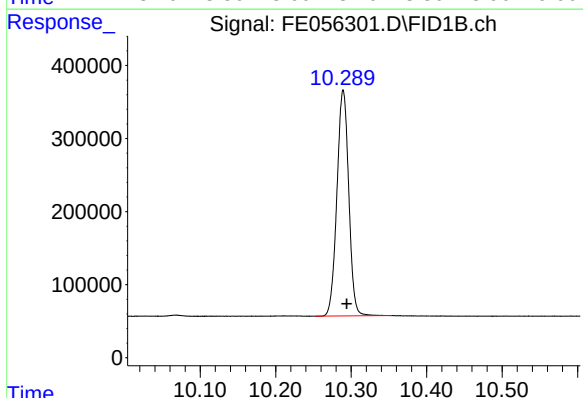
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



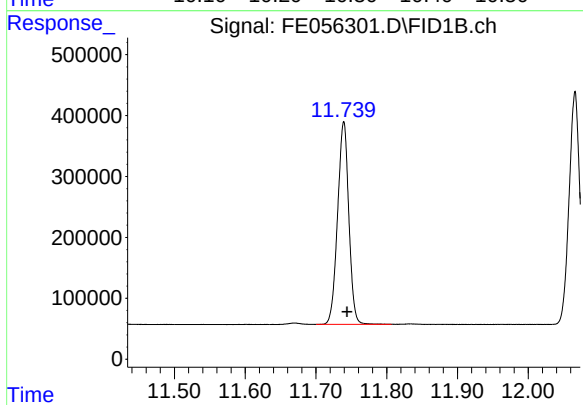
#6 n-Tetradecane (C14)

R.T.: 8.675 min
Delta R.T.: -0.004 min
Response: 2996133
Conc: 20.27 ug/ml



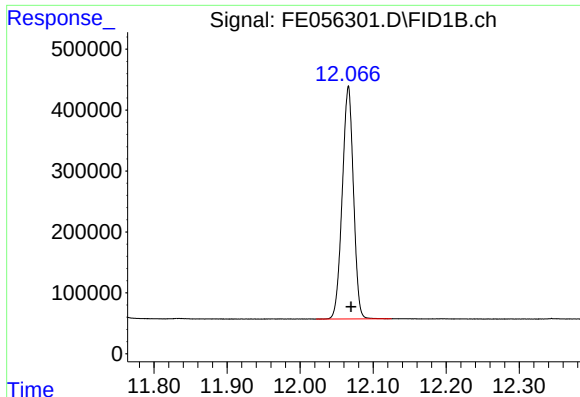
#7 n-Hexadecane (C16)

R.T.: 10.289 min
Delta R.T.: -0.005 min
Response: 3366188
Conc: 21.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.739 min
Delta R.T.: -0.005 min
Response: 3660363
Conc: 21.61 ug/ml



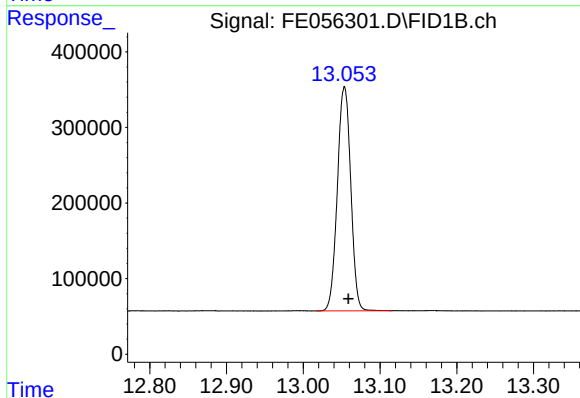
#9 ortho-Terphenyl (SURR)

R.T.: 12.066 min
Delta R.T.: -0.004 min
Response: 4071608
Conc: 21.70 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

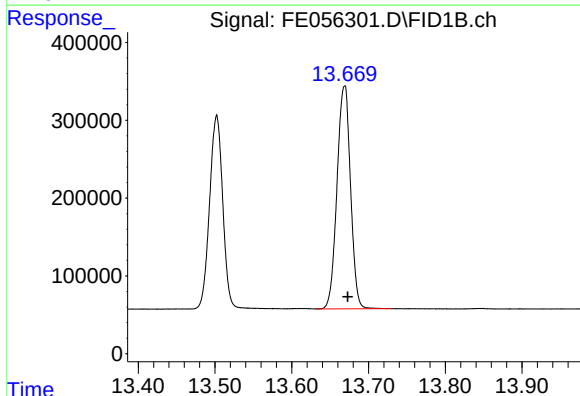
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



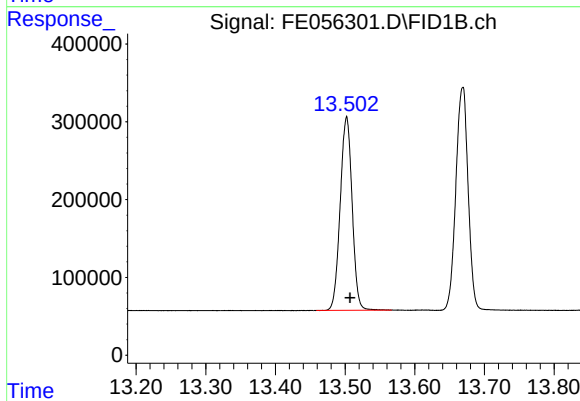
#10 n-Eicosane (C20)

R.T.: 13.054 min
Delta R.T.: -0.005 min
Response: 3592528
Conc: 21.67 ug/ml



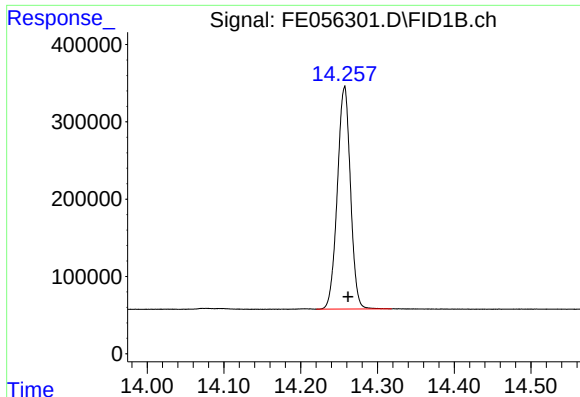
#11 n-Heneicosane (C21)

R.T.: 13.668 min
Delta R.T.: -0.005 min
Response: 3506741
Conc: 21.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.502 min
Delta R.T.: -0.005 min
Response: 2959785
Conc: 21.21 ug/ml



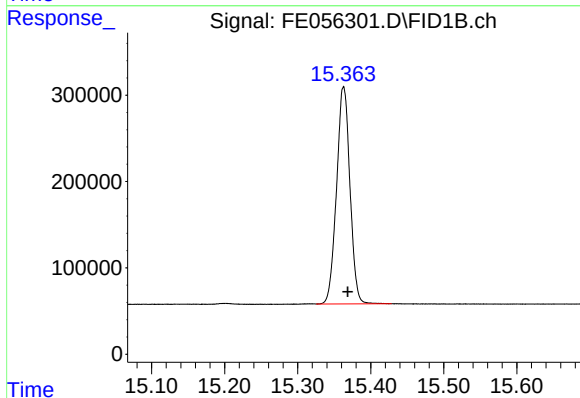
#13 n-Docosane (C22)

R.T.: 14.257 min
Delta R.T.: -0.005 min
Response: 3414425
Conc: 21.37 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

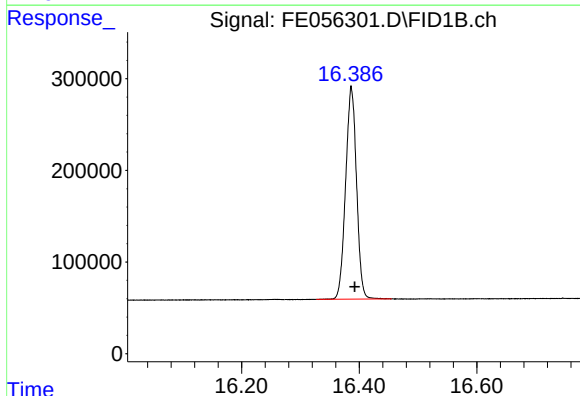
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



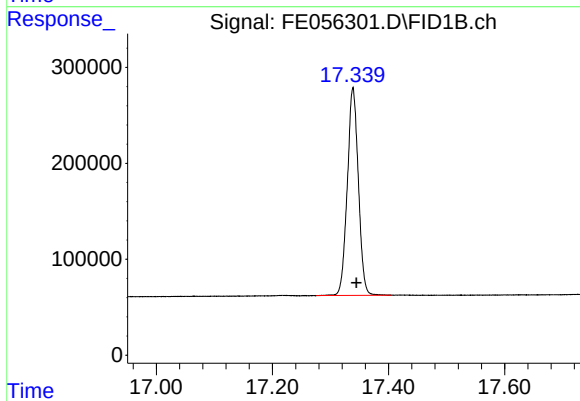
#14 n-Tetracosane (C24)

R.T.: 15.363 min
Delta R.T.: -0.006 min
Response: 3201427
Conc: 21.01 ug/ml



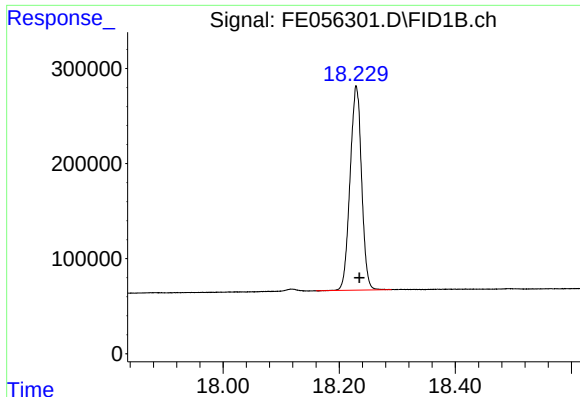
#15 n-Hexacosane (C26)

R.T.: 16.387 min
Delta R.T.: -0.006 min
Response: 2980802
Conc: 20.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.339 min
Delta R.T.: -0.006 min
Response: 2863173
Conc: 20.55 ug/ml



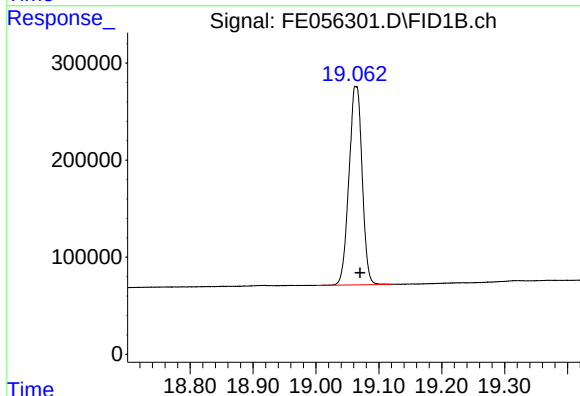
#17 n-Tricontane (C30)

R.T.: 18.230 min
Delta R.T.: -0.005 min
Response: 2956111
Conc: 19.95 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

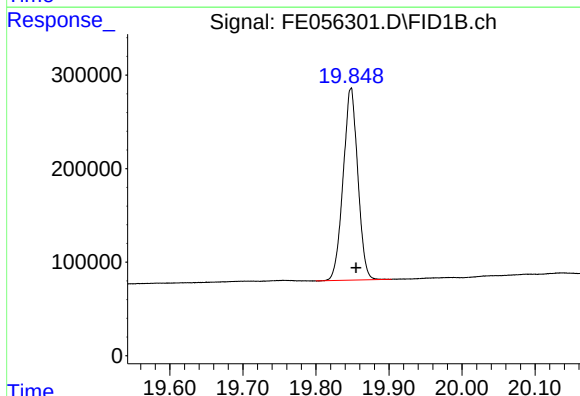
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



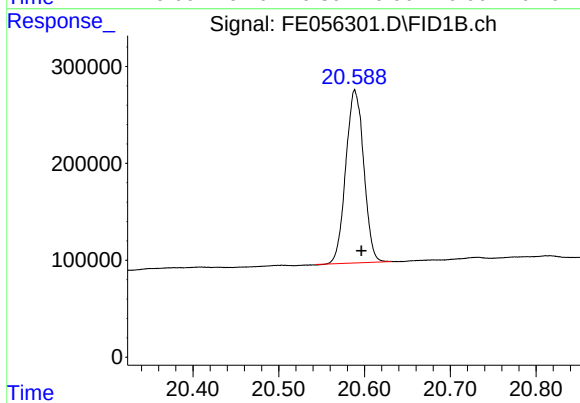
#18 n-Dotriacontane (C32)

R.T.: 19.064 min
Delta R.T.: -0.007 min
Response: 2972783
Conc: 19.92 ug/ml



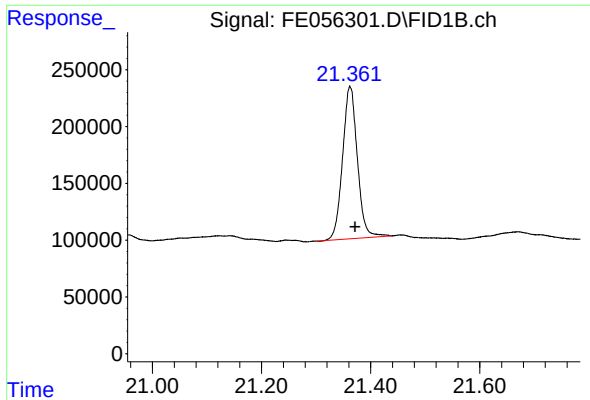
#19 n-Tetratriacontane (C34)

R.T.: 19.848 min
Delta R.T.: -0.007 min
Response: 2864239
Conc: 20.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.588 min
Delta R.T.: -0.008 min
Response: 2593131
Conc: 20.20 ug/ml m



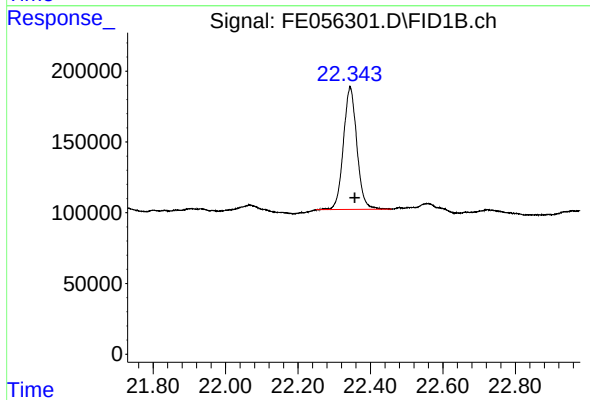
#21 n-Octatriacontane (C38)

R.T.: 21.362 min
Delta R.T.: -0.009 min
Response: 2513939
Conc: 19.14 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



#22 n-Tetracontane (C40)

R.T.: 22.344 min
Delta R.T.: -0.012 min
Response: 2235120
Conc: 18.79 ug/ml