

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071425AL\
 Data File : FE054834.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jul 2025 09:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/15/2025
 Supervised By :mohammad ahmed 07/16/2025

Integration File: autoint1.e
 Quant Time: Jul 15 03:28:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 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)	12.088	3363269	20.711 ug/ml
Spiked Amount 50.000		Recovery =	41.42%
12) S 1-chlorooctadecane (S...	13.523	2522482	19.973 ug/ml
Spiked Amount 50.000		Recovery =	39.95%
Target Compounds			
1) T n-Nonane (C9)	3.428	2674442	19.883 ug/ml
2) T n-Decane (C10)	4.685	2853897	20.915 ug/ml
3) T A~Naphthalene (C11.7)	6.404	3237755	21.384 ug/ml
4) T n-Dodecane (C12)	6.860	2966629	21.622 ug/ml
5) T A~2-methylnaphthalene...	7.505	3183500	21.656 ug/ml
6) T n-Tetradecane (C14)	8.697	3028582	21.847 ug/ml
7) T n-Hexadecane (C16)	10.311	3105317	21.790 ug/ml
8) T n-Octadecane (C18)	11.761	3107718	21.205 ug/ml
10) T n-Eicosane (C20)	13.075	2947877	20.501 ug/ml
11) T n-Heneicosane (C21)	13.689	2873366	20.117 ug/ml
13) T n-Docosane (C22)	14.277	2850917	19.966 ug/ml
14) T n-Tetracosane (C24)	15.383	2841700	19.549 ug/ml
15) T n-Hexacosane (C26)	16.406	2798624	19.339 ug/ml
16) T n-Octacosane (C28)	17.359	2801214	19.221 ug/ml
17) T n-Tricontane (C30)	18.249	2937936	18.644 ug/ml
18) T n-Dotriacontane (C32)	19.083	2925007	18.079 ug/ml
19) T n-Tetratriacontane (C34)	19.869	2807520	18.423 ug/ml
20) T n-Hexatriacontane (C36)	20.609	2660486	19.787 ug/ml
21) T n-Octatriacontane (C38)	21.391	2485193	21.190 ug/mlm
22) T n-Tetracontane (C40)	22.384	2496312	23.032 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071425AL\
Data File : FE054834.D
Signal(s) : FID1B.ch
Acq On : 14 Jul 2025 09:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

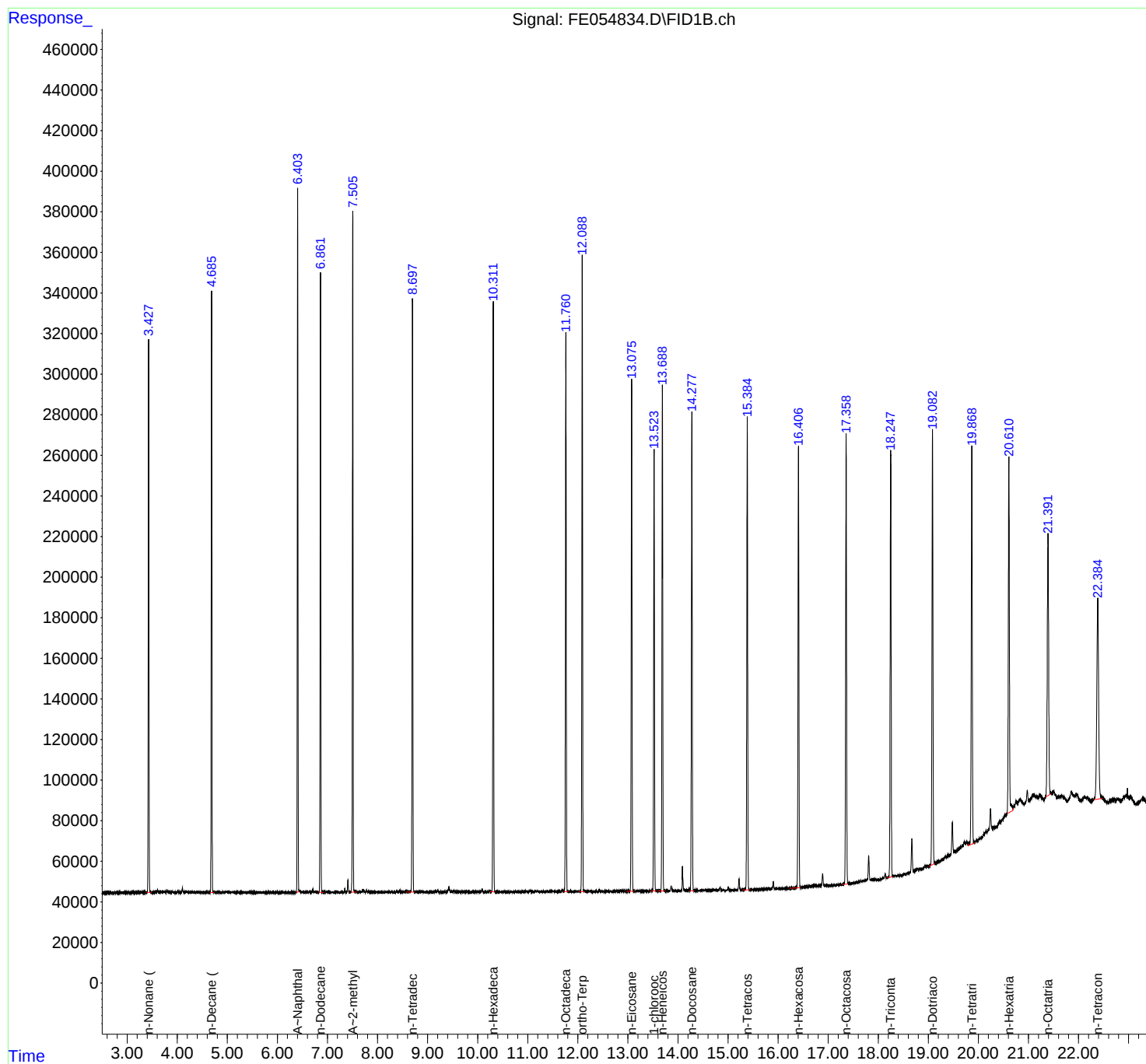
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

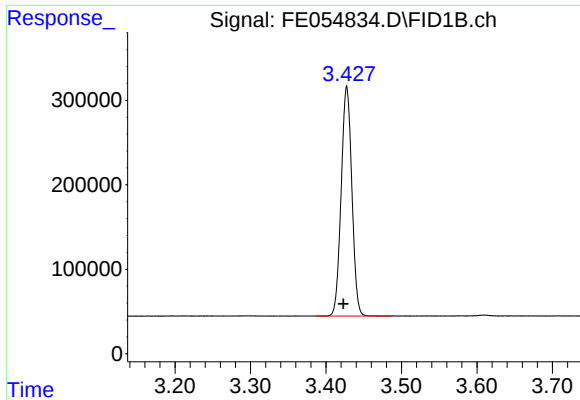
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/15/2025
Supervised By :mohammad ahmed 07/16/2025

Integration File: autoint1.e
Quant Time: Jul 15 03:28:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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





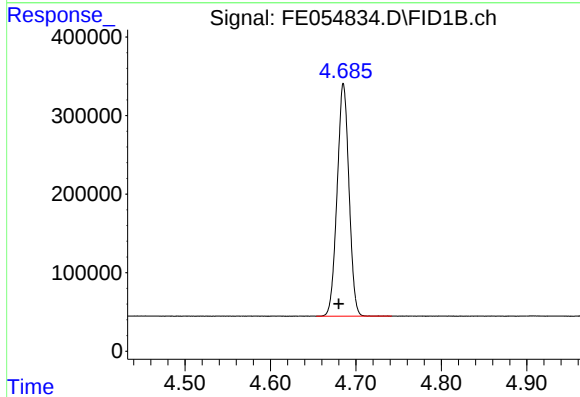
#1 n-Nonane (C9)

R.T.: 3.428 min
Delta R.T.: 0.005 min
Response: 2674442
Conc: 19.88 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

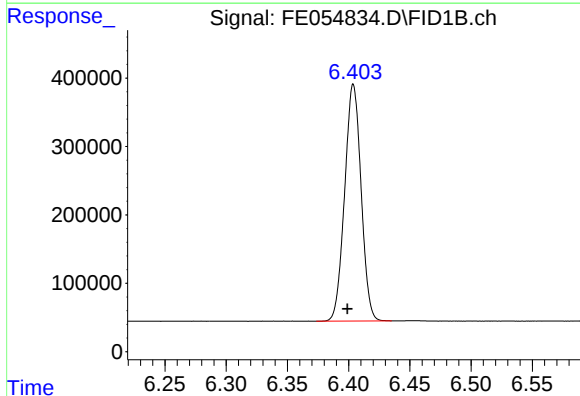
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/15/2025
Supervised By :mohammad ahmed 07/16/2025



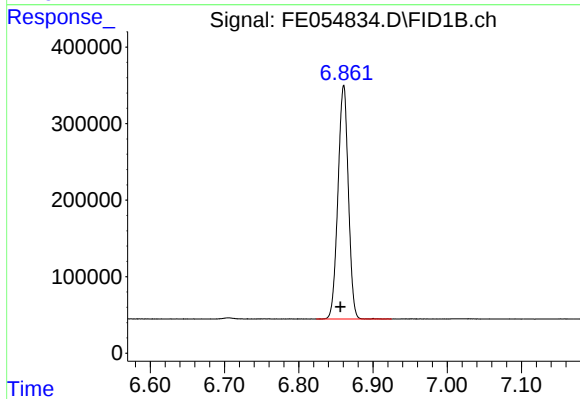
#2 n-Decane (C10)

R.T.: 4.685 min
Delta R.T.: 0.005 min
Response: 2853897
Conc: 20.92 ug/ml



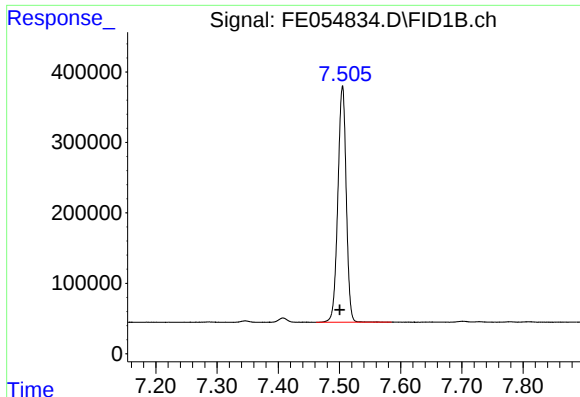
#3 A~Naphthalene (C11.7)

R.T.: 6.404 min
Delta R.T.: 0.005 min
Response: 3237755
Conc: 21.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.860 min
Delta R.T.: 0.004 min
Response: 2966629
Conc: 21.62 ug/ml



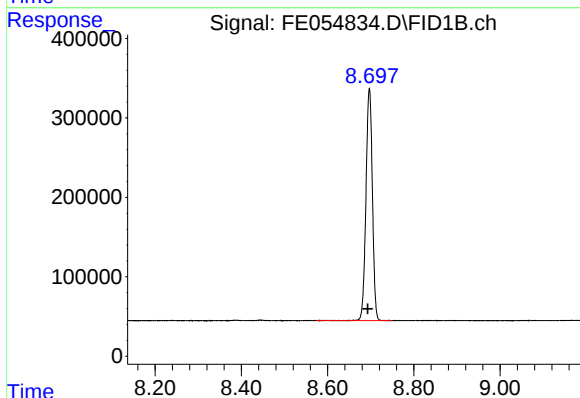
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.505 min
Delta R.T.: 0.004 min
Response: 3183500
Conc: 21.66 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

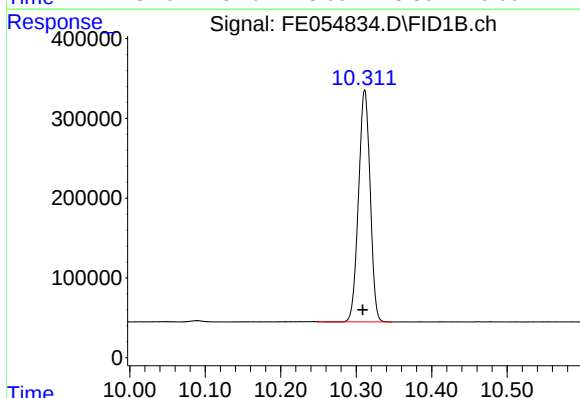
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/15/2025
Supervised By :mohammad ahmed 07/16/2025



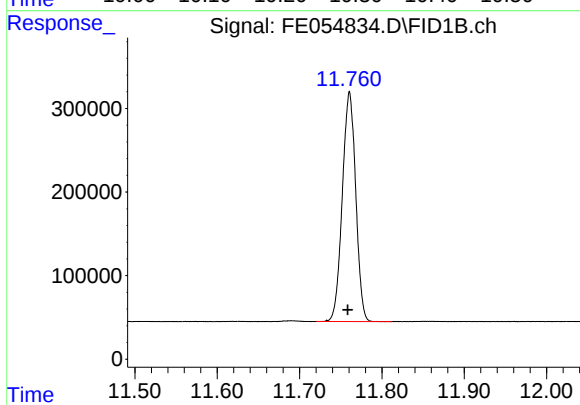
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.004 min
Response: 3028582
Conc: 21.85 ug/ml



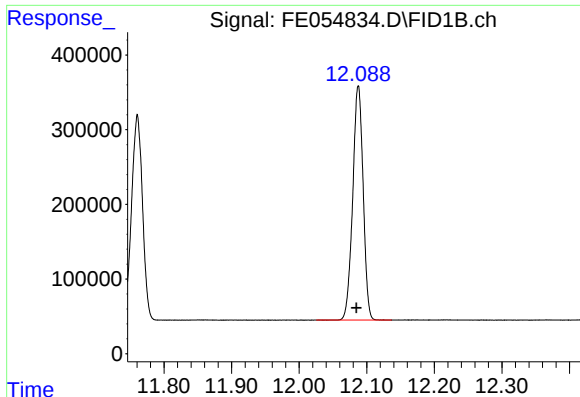
#7 n-Hexadecane (C16)

R.T.: 10.311 min
Delta R.T.: 0.003 min
Response: 3105317
Conc: 21.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.761 min
Delta R.T.: 0.002 min
Response: 3107718
Conc: 21.21 ug/ml



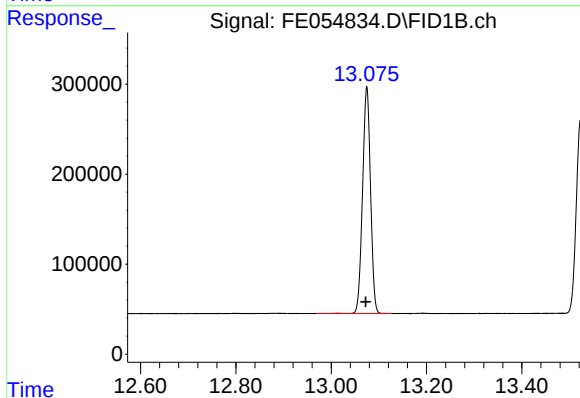
#9 ortho-Terphenyl (SURR)

R.T.: 12.088 min
Delta R.T.: 0.003 min
Response: 3363269
Conc: 20.71 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

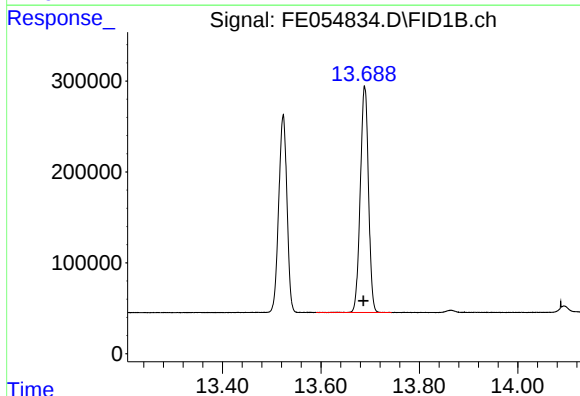
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/15/2025
Supervised By :mohammad ahmed 07/16/2025



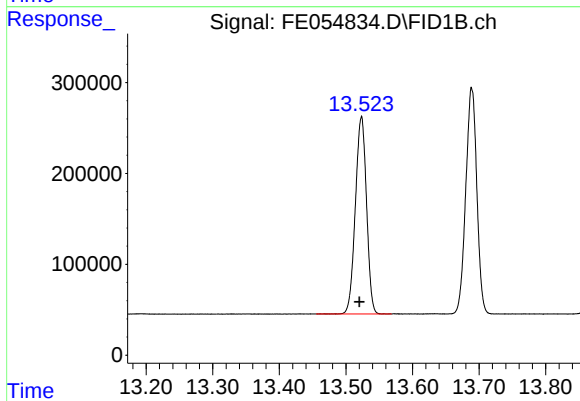
#10 n-Eicosane (C20)

R.T.: 13.075 min
Delta R.T.: 0.002 min
Response: 2947877
Conc: 20.50 ug/ml



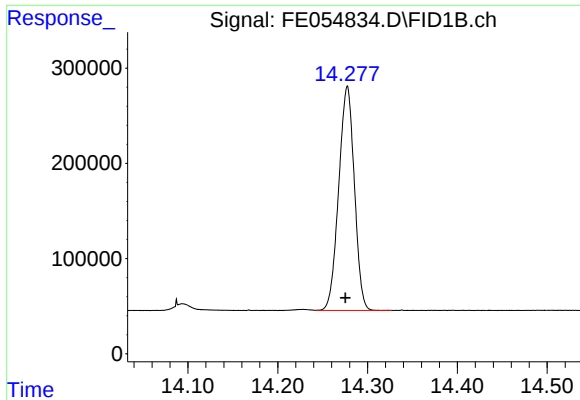
#11 n-Heneicosane (C21)

R.T.: 13.689 min
Delta R.T.: 0.003 min
Response: 2873366
Conc: 20.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.523 min
Delta R.T.: 0.003 min
Response: 2522482
Conc: 19.97 ug/ml



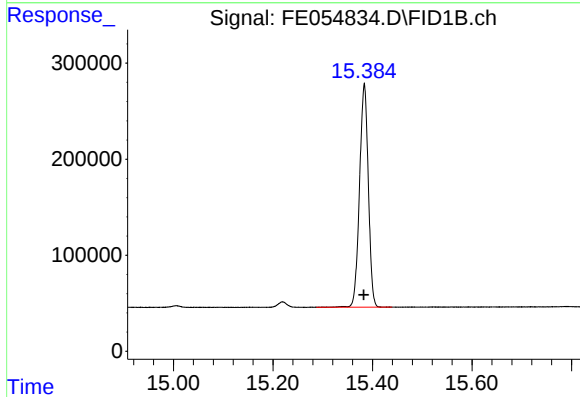
#13 n-Docosane (C22)

R.T.: 14.277 min
Delta R.T.: 0.002 min
Response: 2850917
Conc: 19.97 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

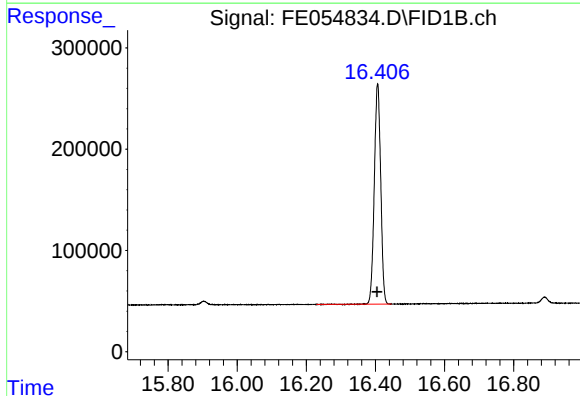
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/15/2025
Supervised By :mohammad ahmed 07/16/2025



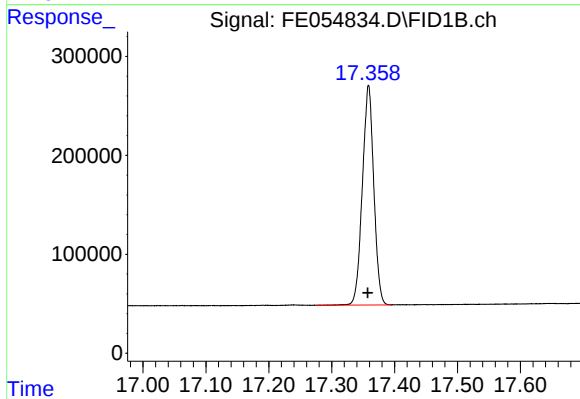
#14 n-Tetracosane (C24)

R.T.: 15.383 min
Delta R.T.: 0.001 min
Response: 2841700
Conc: 19.55 ug/ml



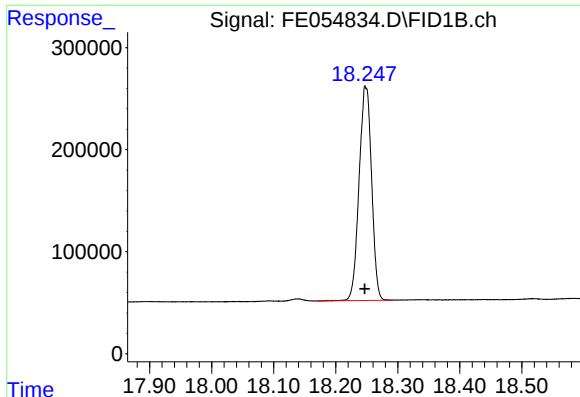
#15 n-Hexacosane (C26)

R.T.: 16.406 min
Delta R.T.: 0.001 min
Response: 2798624
Conc: 19.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.359 min
Delta R.T.: 0.001 min
Response: 2801214
Conc: 19.22 ug/ml



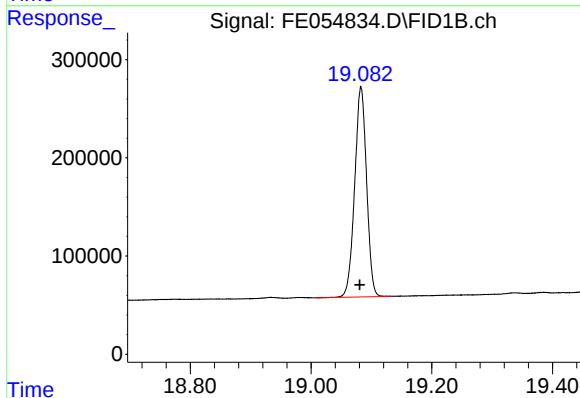
#17 n-Tricontane (C30)

R.T.: 18.249 min
Delta R.T.: 0.002 min
Response: 2937936
Conc: 18.64 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

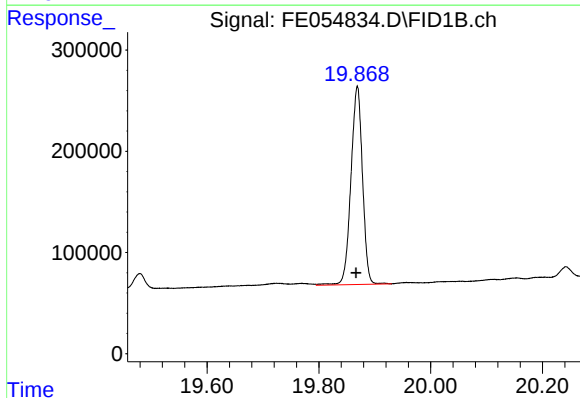
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/15/2025
Supervised By :mohammad ahmed 07/16/2025



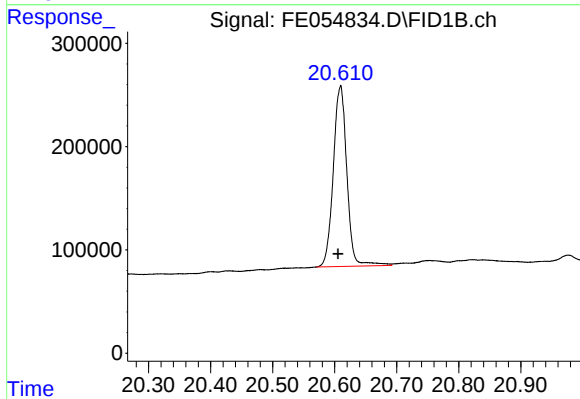
#18 n-Dotriacontane (C32)

R.T.: 19.083 min
Delta R.T.: 0.002 min
Response: 2925007
Conc: 18.08 ug/ml



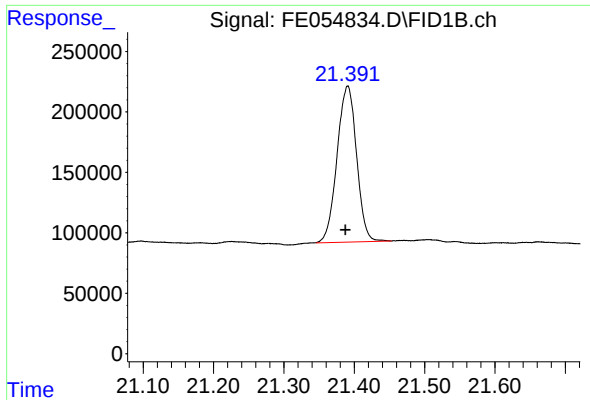
#19 n-Tetratriacontane (C34)

R.T.: 19.869 min
Delta R.T.: 0.002 min
Response: 2807520
Conc: 18.42 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.609 min
Delta R.T.: 0.004 min
Response: 2660486
Conc: 19.79 ug/ml



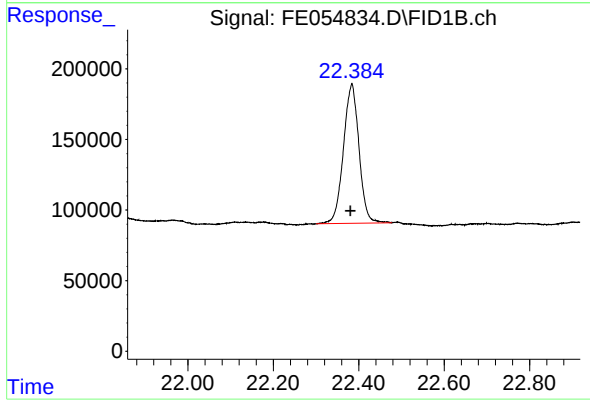
#21 n-Octatriacontane (C38)

R.T.: 21.391 min
Delta R.T.: 0.003 min
Response: 2485193
Conc: 21.19 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/15/2025
Supervised By :mohammad ahmed 07/16/2025



#22 n-Tetracontane (C40)

R.T.: 22.384 min
Delta R.T.: 0.003 min
Response: 2496312
Conc: 23.03 ug/ml