

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092925AL\
 Data File : FE056045.D
 Signal(s) : FID1B.ch
 Acq On : 29 Sep 2025 14:51
 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 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File: autoint1.e
 Quant Time: Sep 30 00:27:40 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)	12.073	3631951	19.355 ug/ml
Spiked Amount 50.000		Recovery =	38.71%
12) S 1-chlorooctadecane (S...	13.510	2778384	19.907 ug/ml
Spiked Amount 50.000		Recovery =	39.81%
Target Compounds			
1) T n-Nonane (C9)	3.415	2399386	17.515 ug/ml
2) T n-Decane (C10)	4.673	2449352	17.550 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2909611	18.223 ug/ml
4) T n-Dodecane (C12)	6.847	2556416	17.811 ug/ml
5) T A~2-methylnaphthalene...	7.492	2880483	18.522 ug/ml
6) T n-Tetradecane (C14)	8.683	2694482	18.225 ug/ml
7) T n-Hexadecane (C16)	10.297	2958374	18.617 ug/ml
8) T n-Octadecane (C18)	11.746	3193721	18.855 ug/ml
10) T n-Eicosane (C20)	13.061	3201634	19.314 ug/ml
11) T n-Heneicosane (C21)	13.675	3147751	19.372 ug/ml
13) T n-Docosane (C22)	14.263	3123976	19.550 ug/ml
14) T n-Tetracosane (C24)	15.370	3016987	19.799 ug/ml
15) T n-Hexacosane (C26)	16.394	2798837	19.623 ug/ml
16) T n-Octacosane (C28)	17.346	2692620	19.329 ug/ml
17) T n-Tricontane (C30)	18.236	2807440	18.946 ug/ml
18) T n-Dotriacontane (C32)	19.069	2842806	19.054 ug/ml
19) T n-Tetratriacontane (C34)	19.855	2739796	19.369 ug/ml
20) T n-Hexatriacontane (C36)	20.596	2560757	19.948 ug/ml
21) T n-Octatriacontane (C38)	21.371	2346046	17.862 ug/mlm
22) T n-Tetracontane (C40)	22.357	2438282	20.495 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092925AL\
Data File : FE056045.D
Signal(s) : FID1B.ch
Acq On : 29 Sep 2025 14:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

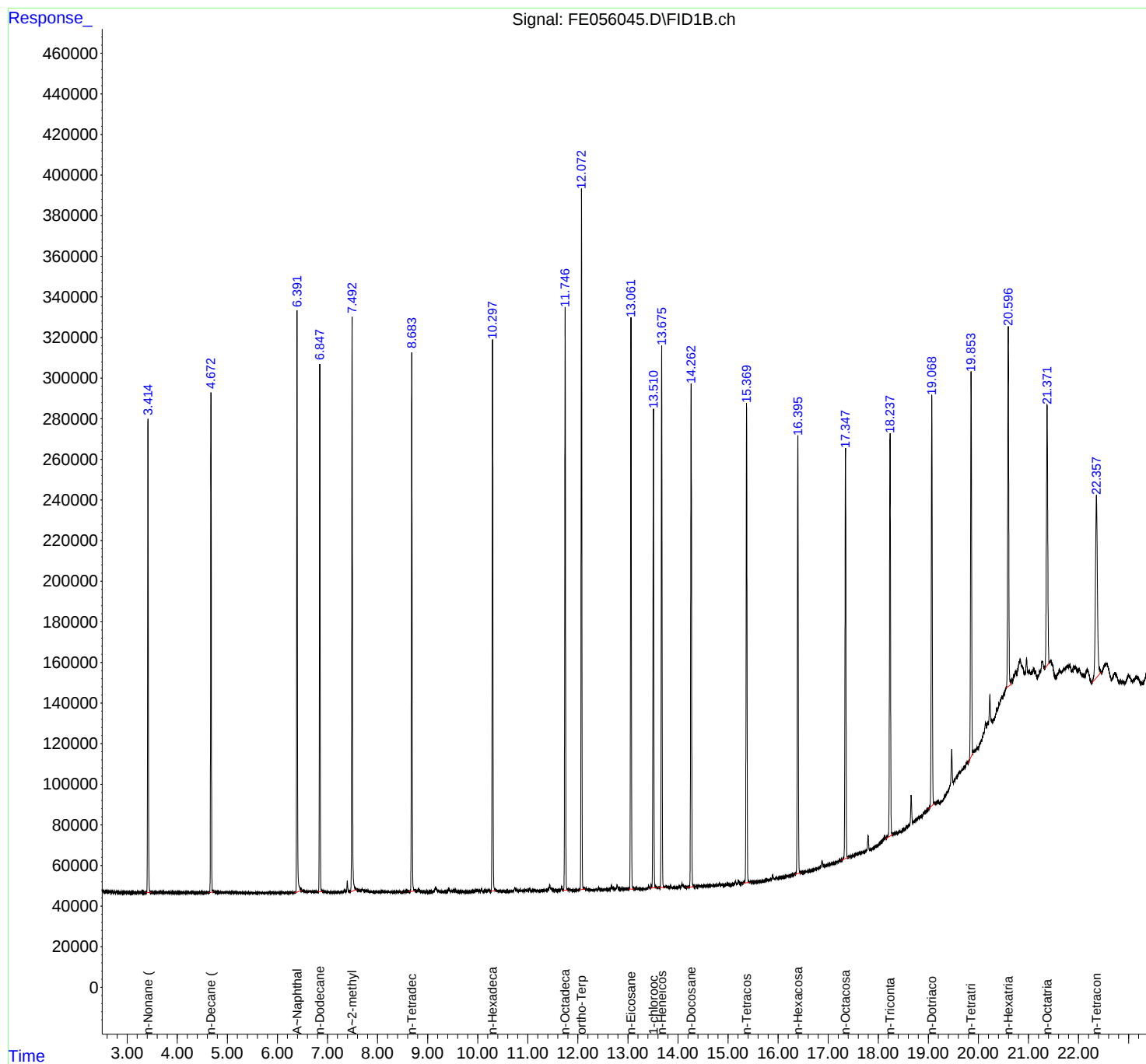
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

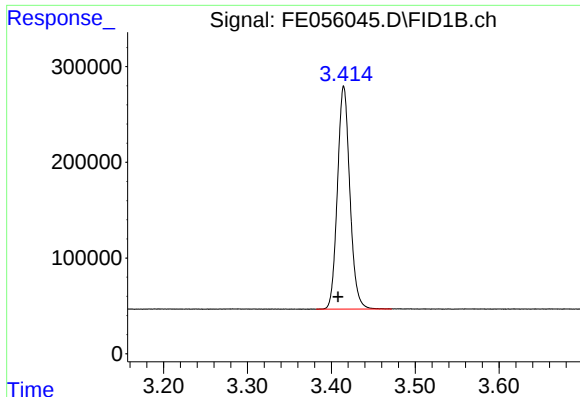
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/30/2025
Supervised By :mohammad ahmed 10/01/2025

Integration File: autoint1.e
Quant Time: Sep 30 00:27:40 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





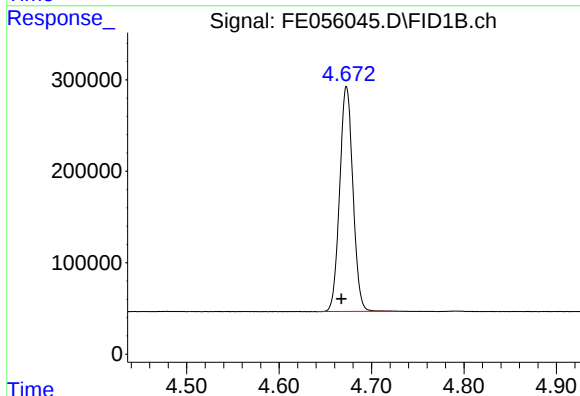
#1 n-Nonane (C9)

R.T.: 3.415 min
Delta R.T.: 0.007 min
Response: 2399386
Conc: 17.51 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

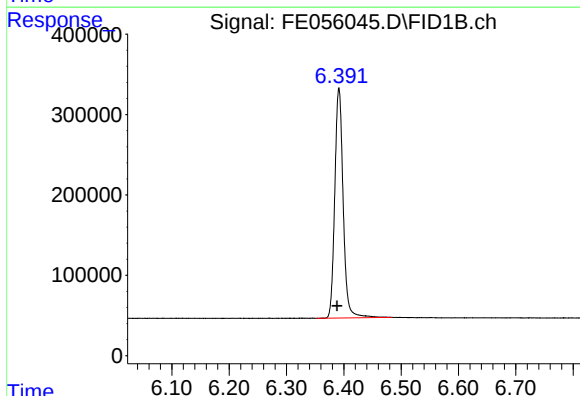
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



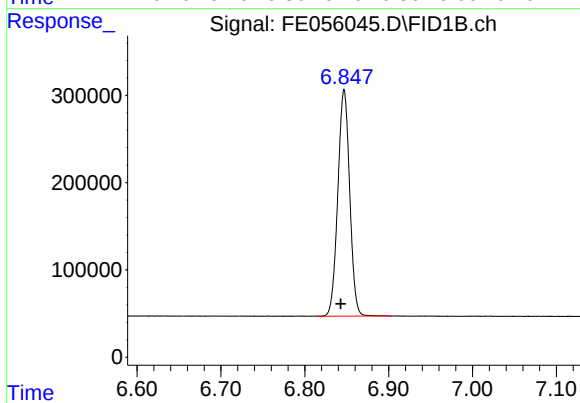
#2 n-Decane (C10)

R.T.: 4.673 min
Delta R.T.: 0.006 min
Response: 2449352
Conc: 17.55 ug/ml



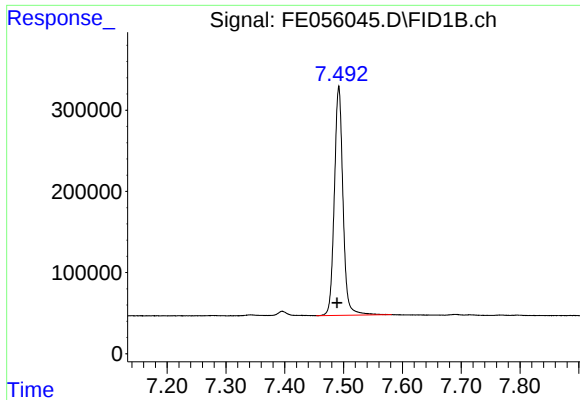
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.003 min
Response: 2909611
Conc: 18.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.847 min
Delta R.T.: 0.004 min
Response: 2556416
Conc: 17.81 ug/ml



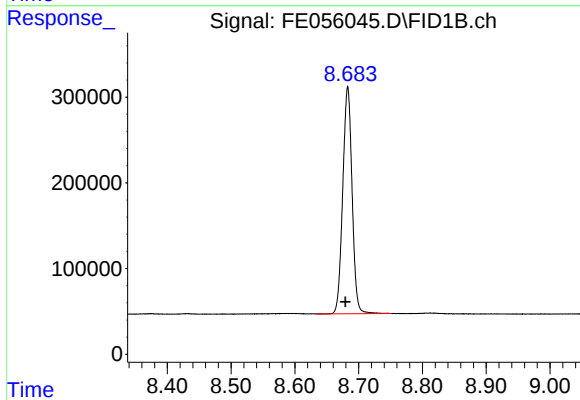
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.492 min
Delta R.T.: 0.003 min
Response: 2880483
Conc: 18.52 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

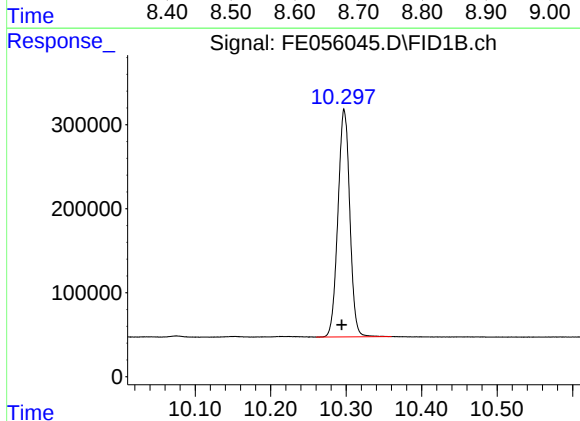
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



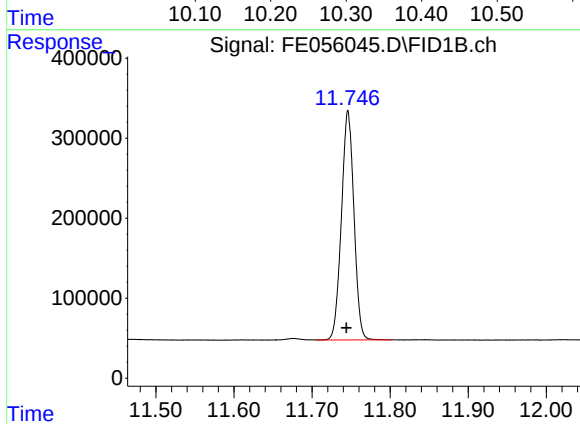
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: 0.003 min
Response: 2694482
Conc: 18.23 ug/ml



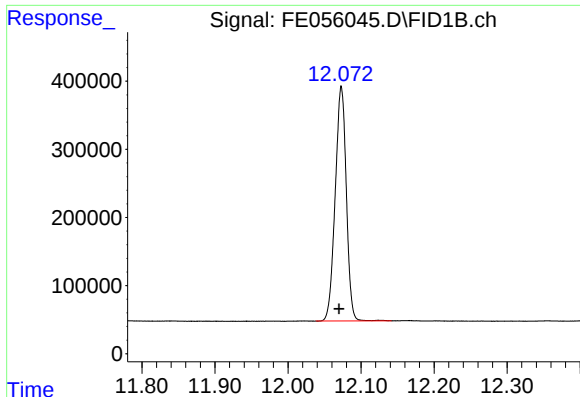
#7 n-Hexadecane (C16)

R.T.: 10.297 min
Delta R.T.: 0.003 min
Response: 2958374
Conc: 18.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.746 min
Delta R.T.: 0.002 min
Response: 3193721
Conc: 18.85 ug/ml



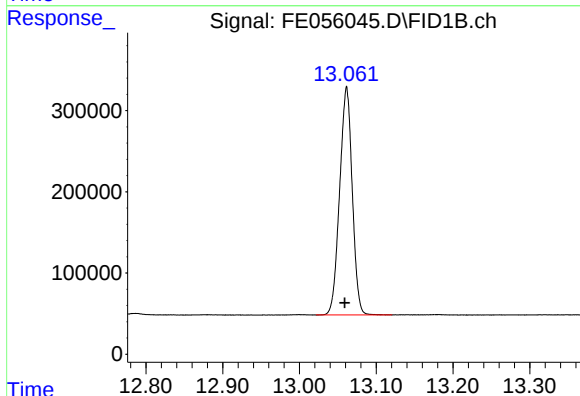
#9 ortho-Terphenyl (SURR)

R.T.: 12.073 min
Delta R.T.: 0.003 min
Response: 3631951
Conc: 19.35 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

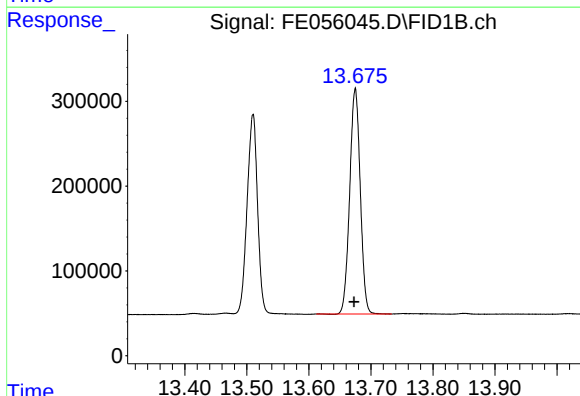
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



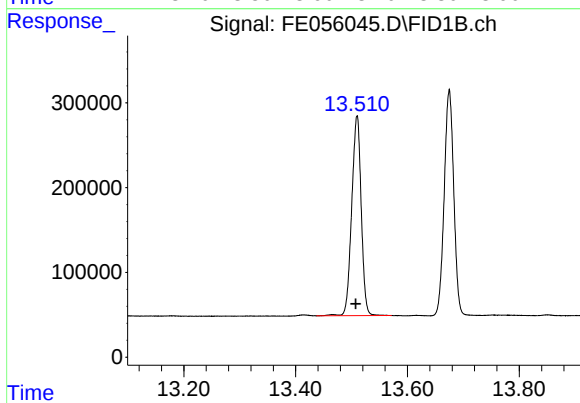
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: 0.002 min
Response: 3201634
Conc: 19.31 ug/ml



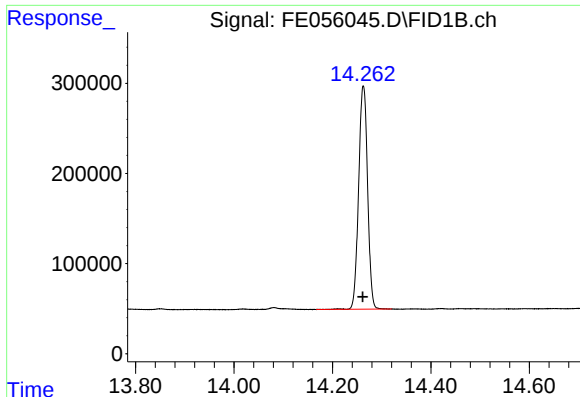
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: 0.002 min
Response: 3147751
Conc: 19.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: 0.002 min
Response: 2778384
Conc: 19.91 ug/ml



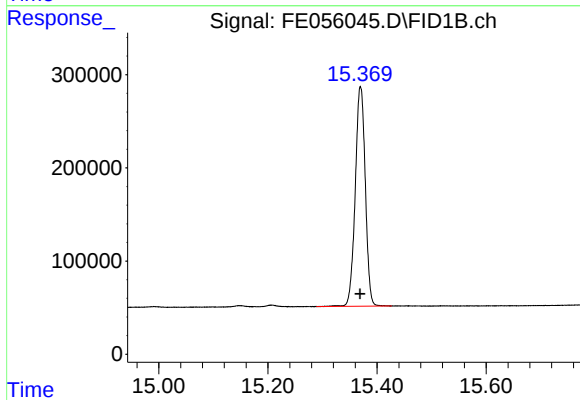
#13 n-Docosane (C22)

R.T.: 14.263 min
Delta R.T.: 0.001 min
Response: 3123976
Conc: 19.55 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

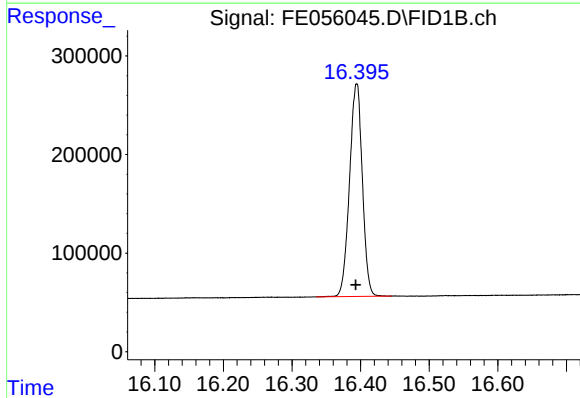
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



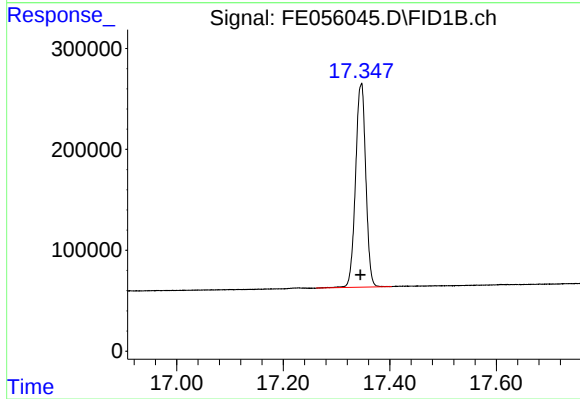
#14 n-Tetracosane (C24)

R.T.: 15.370 min
Delta R.T.: 0.001 min
Response: 3016987
Conc: 19.80 ug/ml



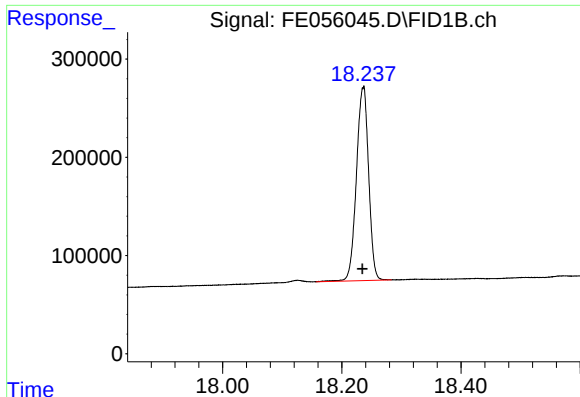
#15 n-Hexacosane (C26)

R.T.: 16.394 min
Delta R.T.: 0.001 min
Response: 2798837
Conc: 19.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.346 min
Delta R.T.: 0.001 min
Response: 2692620
Conc: 19.33 ug/ml



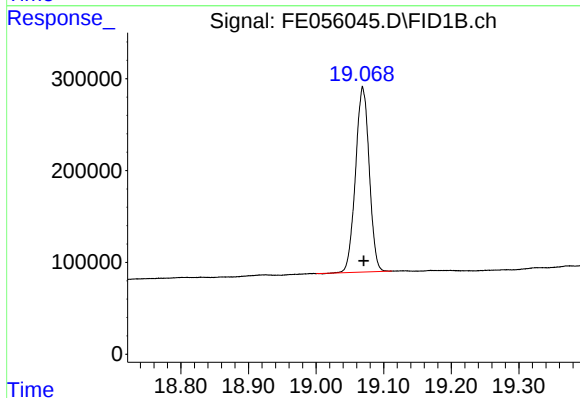
#17 n-Tricontane (C30)

R.T.: 18.236 min
Delta R.T.: 0.001 min
Response: 2807440
Conc: 18.95 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

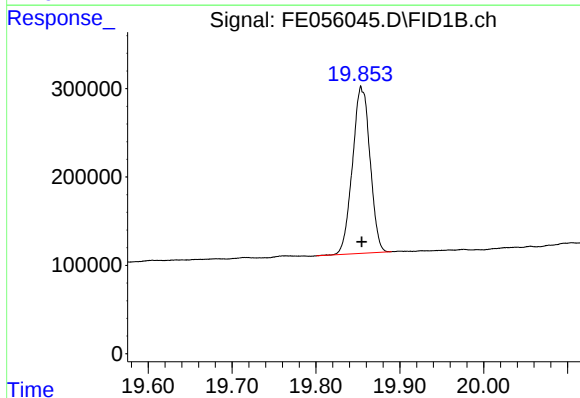
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



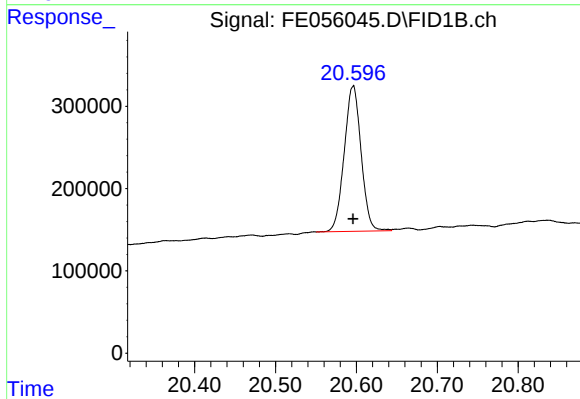
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: -0.001 min
Response: 2842806
Conc: 19.05 ug/ml



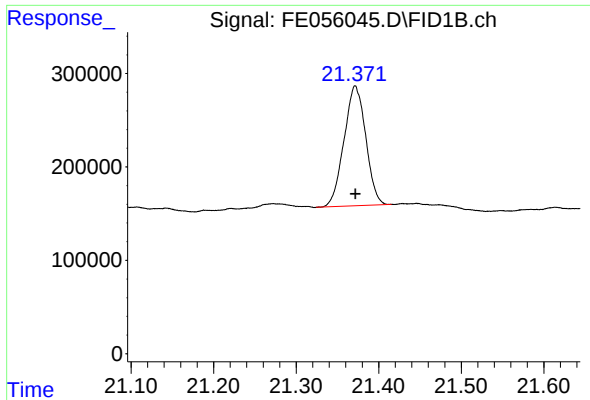
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: 0.000 min
Response: 2739796
Conc: 19.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 2560757
Conc: 19.95 ug/ml



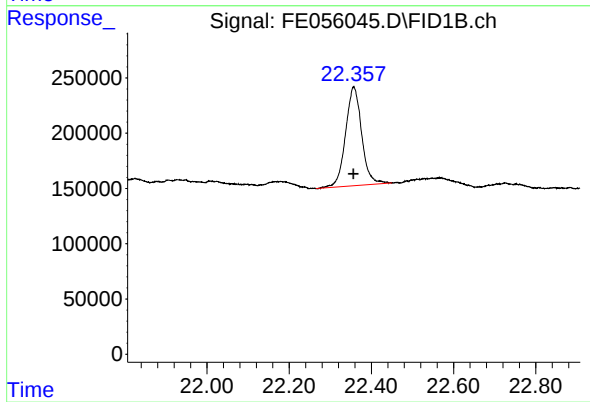
#21 n-Octatriacontane (C38)

R.T.: 21.371 min
Delta R.T.: 0.000 min
Response: 2346046
Conc: 17.86 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



#22 n-Tetracontane (C40)

R.T.: 22.357 min
Delta R.T.: 0.000 min
Response: 2438282
Conc: 20.50 ug/ml m