

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050225AL\
 Data File : FE053618.D
 Signal(s) : FID1B.ch
 Acq On : 02 May 2025 10:11
 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 05/05/2025
 Supervised By :mohammad ahmed 05/06/2025

Integration File: autoint1.e
 Quant Time: May 03 00:24:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.866	3388256	18.786 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
12) S 1-chlorooctadecane (S...	13.312	2495080	18.458 ug/ml
Spiked Amount 50.000		Recovery =	36.92%
Target Compounds			
1) T n-Nonane (C9)	3.214	2820991	20.576 ug/ml
2) T n-Decane (C10)	4.474	2833012	20.479 ug/ml
3) T A~Naphthalene (C11.7)	6.187	3079706	20.403 ug/ml
4) T n-Dodecane (C12)	6.655	2855709	20.362 ug/ml
5) T A~2-methylnaphthalene...	7.289	3008276	20.149 ug/ml
6) T n-Tetradecane (C14)	8.491	2824733	20.135 ug/ml
7) T n-Hexadecane (C16)	10.104	2813397	19.630 ug/ml
8) T n-Octadecane (C18)	11.552	2798117	19.200 ug/ml
10) T n-Eicosane (C20)	12.866	2733165	18.783 ug/ml
11) T n-Heneicosane (C21)	13.479	2698908	18.633 ug/ml
13) T n-Docosane (C22)	14.068	2661367	18.443 ug/ml
14) T n-Tetracosane (C24)	15.173	2605210	18.137 ug/ml
15) T n-Hexacosane (C26)	16.196	2545645	17.974 ug/ml
16) T n-Octacosane (C28)	17.148	2476191	17.798 ug/ml
17) T n-Tricontane (C30)	18.037	2479925	17.816 ug/ml
18) T n-Dotriacontane (C32)	18.871	2470847	17.995 ug/ml
19) T n-Tetratriacontane (C34)	19.657	2413770	18.526 ug/ml
20) T n-Hexatriacontane (C36)	20.398	2432676	19.269 ug/ml
21) T n-Octatriacontane (C38)	21.132	2390220	19.619 ug/ml
22) T n-Tetracontane (C40)	22.035	2536347	21.239 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050225AL\
Data File : FE053618.D
Signal(s) : FID1B.ch
Acq On : 02 May 2025 10:11
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

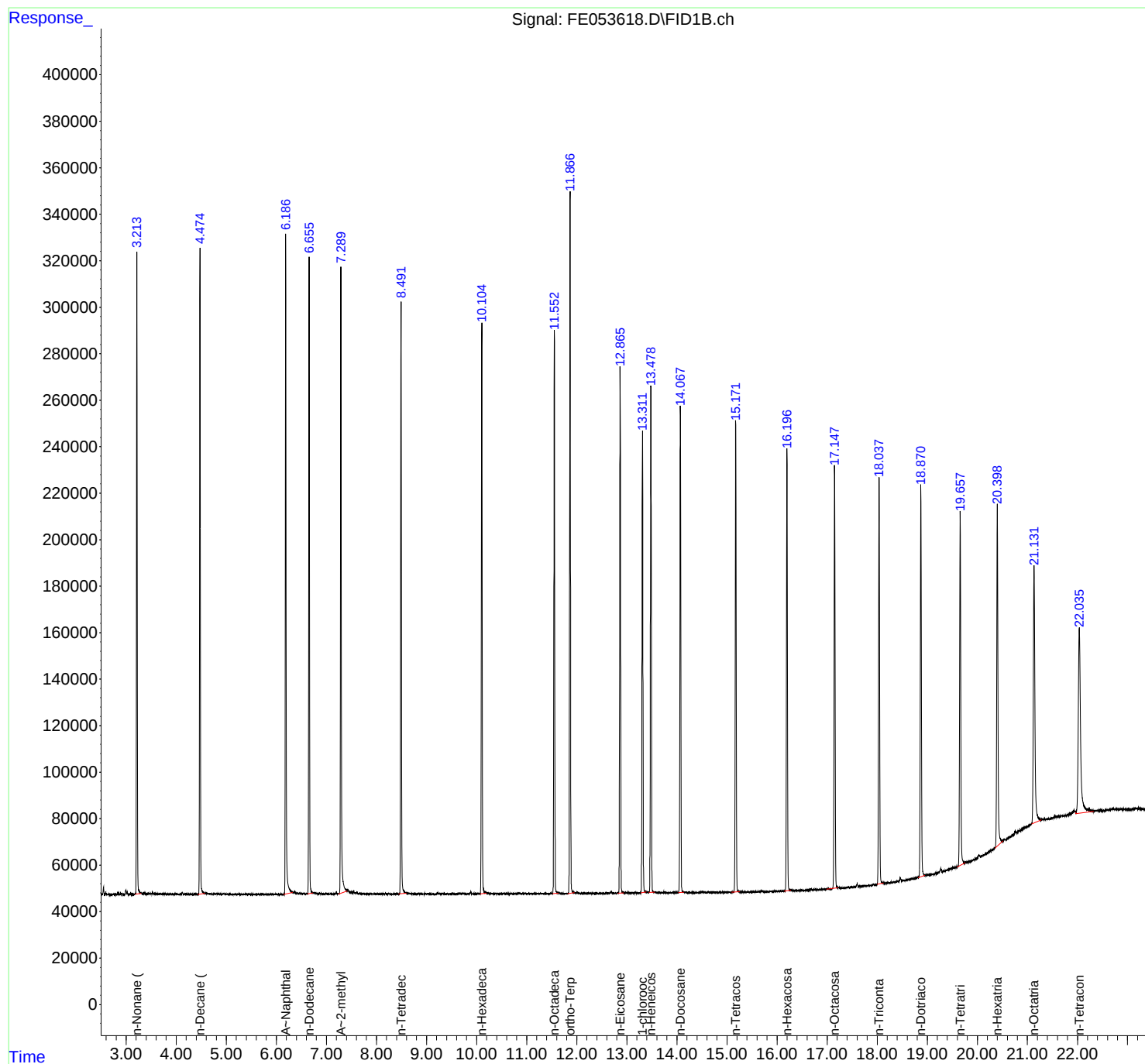
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

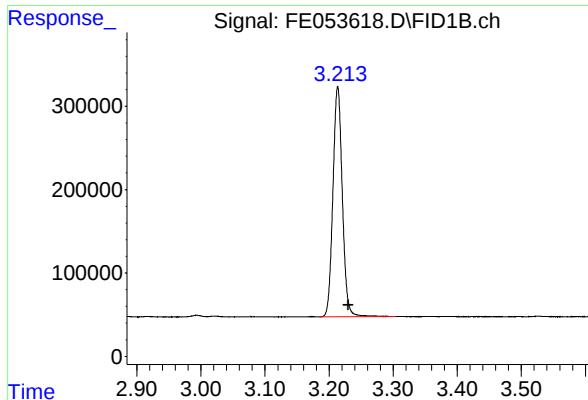
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025

Integration File: autoint1.e
Quant Time: May 03 00:24:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.
Quant Title : GC Extractables
QLast Update : Tue Apr 29 06:49:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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





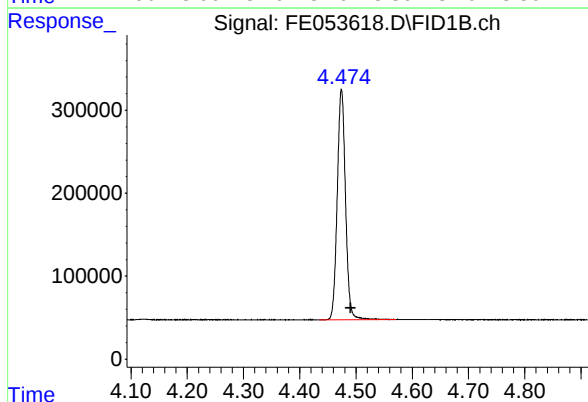
#1 n-Nonane (C9)

R.T.: 3.214 min
Delta R.T.: -0.016 min
Response: 2820991
Conc: 20.58 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

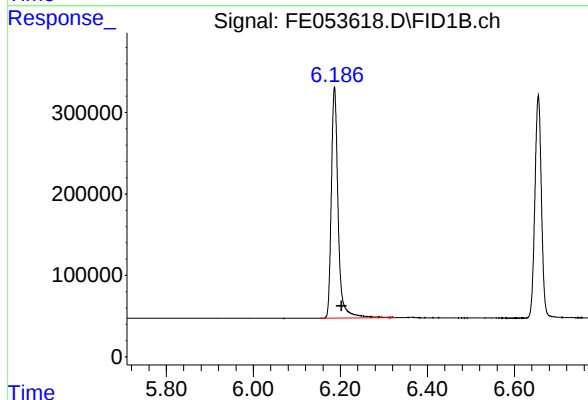
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



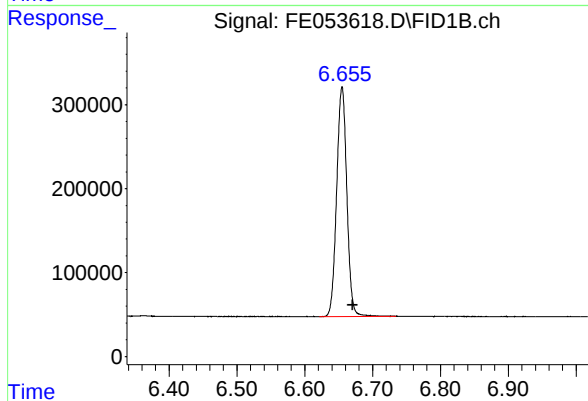
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.016 min
Response: 2833012
Conc: 20.48 ug/ml



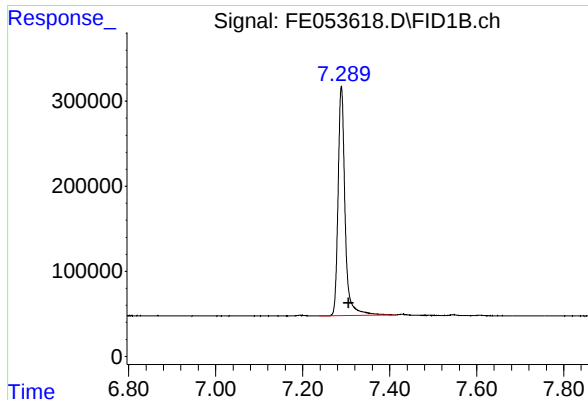
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.017 min
Response: 3079706
Conc: 20.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.655 min
Delta R.T.: -0.016 min
Response: 2855709
Conc: 20.36 ug/ml



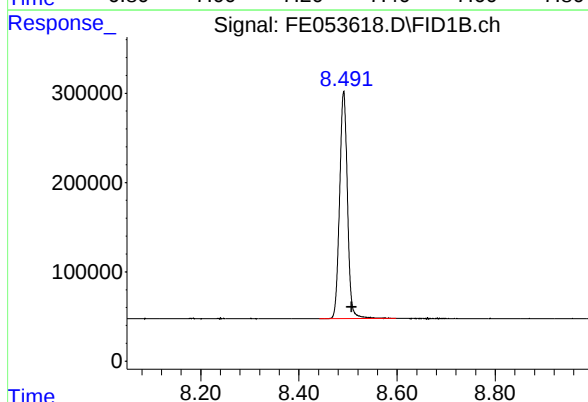
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.289 min
Delta R.T.: -0.017 min
Response: 3008276
Conc: 20.15 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

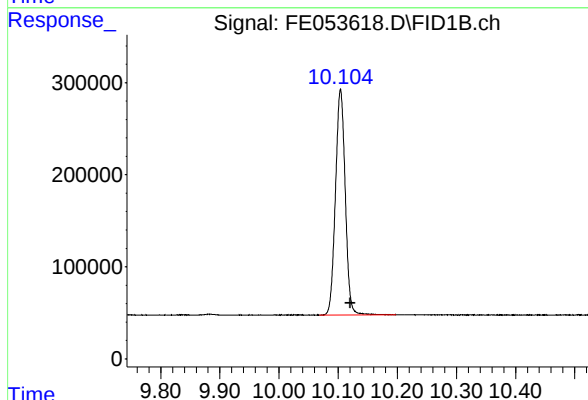
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



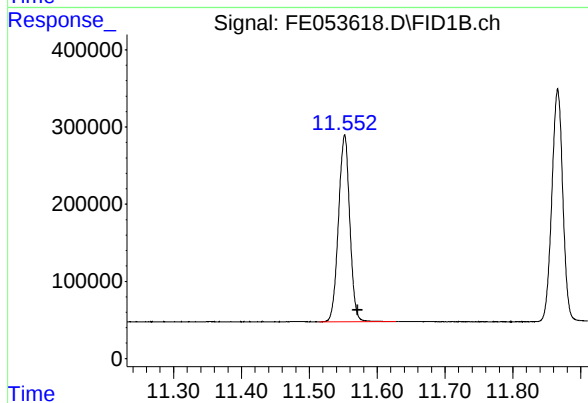
#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: -0.017 min
Response: 2824733
Conc: 20.14 ug/ml



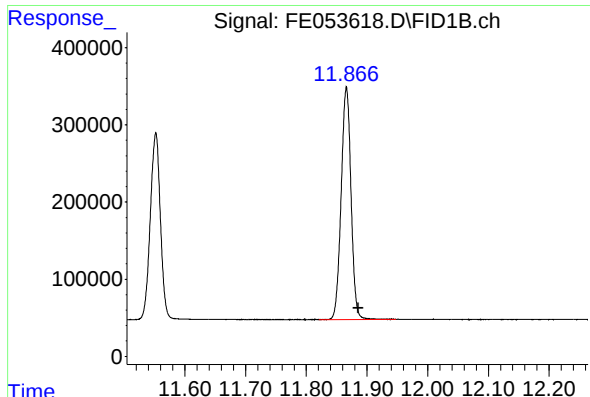
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: -0.017 min
Response: 2813397
Conc: 19.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.019 min
Response: 2798117
Conc: 19.20 ug/ml



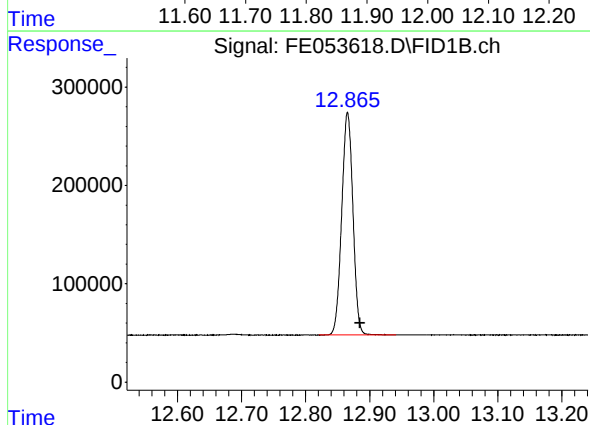
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.020 min
Response: 3388256
Conc: 18.79 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

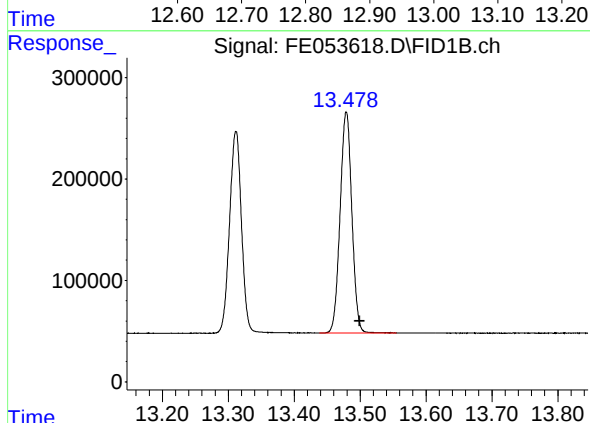
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



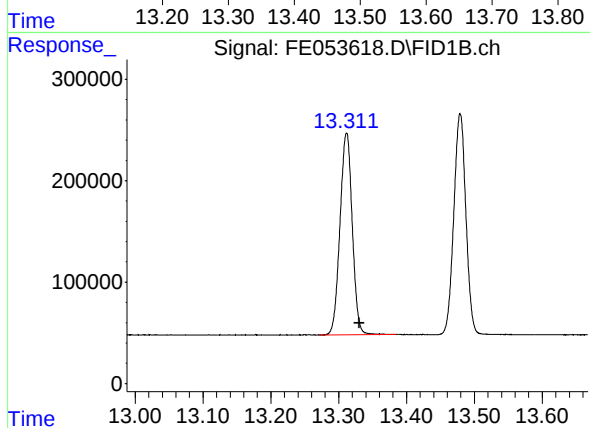
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.019 min
Response: 2733165
Conc: 18.78 ug/ml



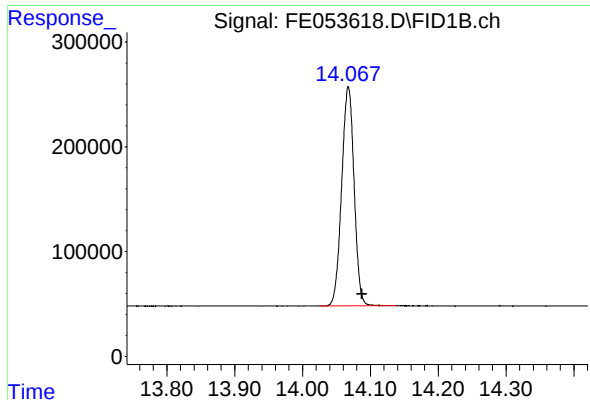
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: -0.020 min
Response: 2698908
Conc: 18.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.312 min
Delta R.T.: -0.019 min
Response: 2495080
Conc: 18.46 ug/ml



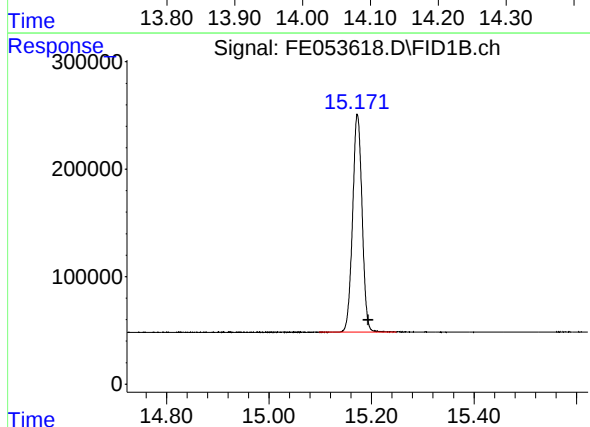
#13 n-Docosane (C22)

R.T.: 14.068 min
Delta R.T.: -0.020 min
Response: 2661367
Conc: 18.44 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

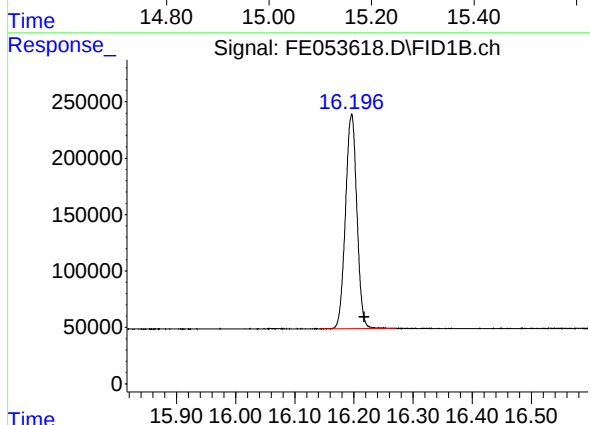
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



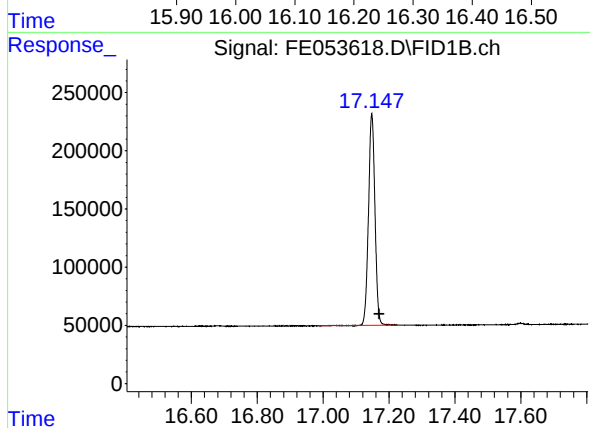
#14 n-Tetracosane (C24)

R.T.: 15.173 min
Delta R.T.: -0.021 min
Response: 2605210
Conc: 18.14 ug/ml



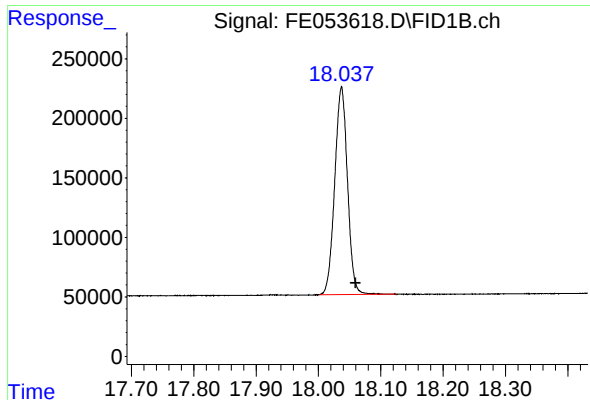
#15 n-Hexacosane (C26)

R.T.: 16.196 min
Delta R.T.: -0.022 min
Response: 2545645
Conc: 17.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.148 min
Delta R.T.: -0.022 min
Response: 2476191
Conc: 17.80 ug/ml



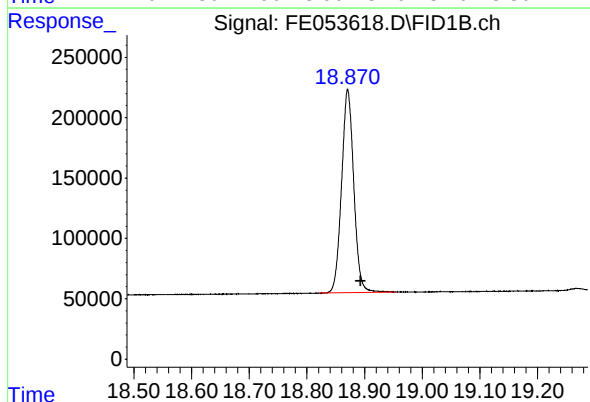
#17 n-Tricontane (C30)

R.T.: 18.037 min
Delta R.T.: -0.023 min
Response: 2479925
Conc: 17.82 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

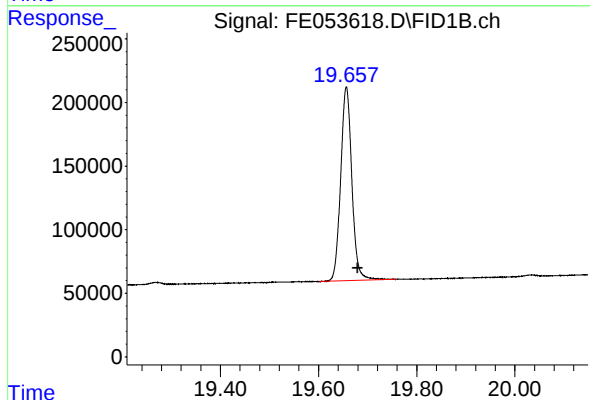
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



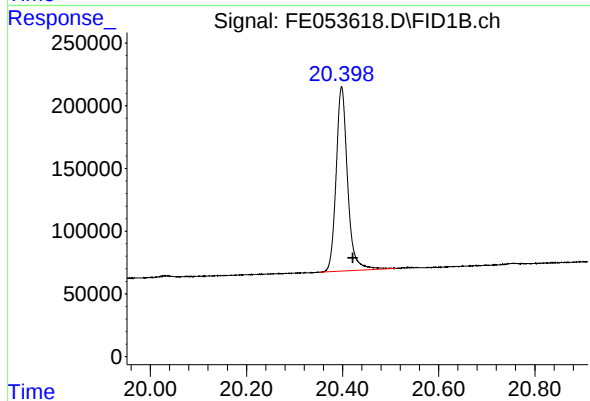
#18 n-Dotriacontane (C32)

R.T.: 18.871 min
Delta R.T.: -0.023 min
Response: 2470847
Conc: 17.99 ug/ml



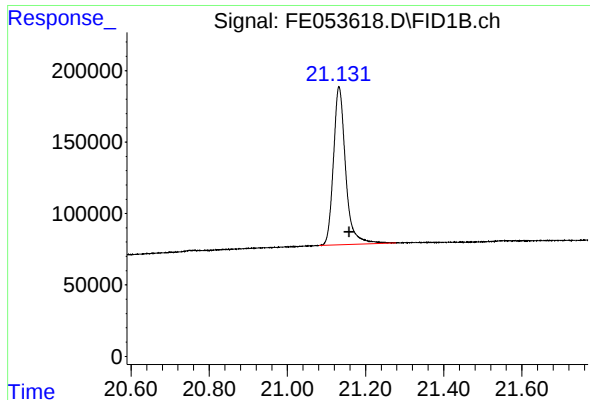
#19 n-Tetratriacontane (C34)

R.T.: 19.657 min
Delta R.T.: -0.023 min
Response: 2413770
Conc: 18.53 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.398 min
Delta R.T.: -0.024 min
Response: 2432676
Conc: 19.27 ug/ml



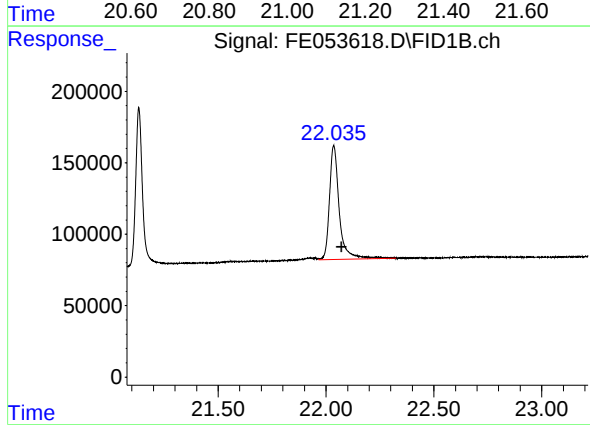
#21 n-Octatriacontane (C38)

R.T.: 21.132 min
Delta R.T.: -0.026 min
Response: 2390220
Conc: 19.62 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



#22 n-Tetracontane (C40)

R.T.: 22.035 min
Delta R.T.: -0.038 min
Response: 2536347
Conc: 21.24 ug/ml m