

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051225AL\
 Data File : FE053781.D
 Signal(s) : FID1B.ch
 Acq On : 12 May 2025 22:37
 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 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: sample.E
 Quant Time: May 13 01:56:09 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)	11.853	3404823	18.878 ug/ml
Spiked Amount 50.000		Recovery =	37.76%
12) S 1-chlorooctadecane (S...	13.297	2486422	18.394 ug/ml
Spiked Amount 50.000		Recovery =	36.79%
Target Compounds			
1) T n-Nonane (C9)	3.203	2804823	20.458 ug/ml
2) T n-Decane (C10)	4.464	2851088	20.610 ug/ml
3) T A~Naphthalene (C11.7)	6.176	3083154	20.426 ug/ml
4) T n-Dodecane (C12)	6.645	2882129	20.550 ug/ml
5) T A~2-methylnaphthalene...	7.278	2993978	20.053 ug/ml
6) T n-Tetradecane (C14)	8.480	2851997	20.329 ug/ml
7) T n-Hexadecane (C16)	10.092	2848383	19.874 ug/ml
8) T n-Octadecane (C18)	11.539	2828554	19.409 ug/ml
10) T n-Eicosane (C20)	12.852	2756448	18.943 ug/ml
11) T n-Heneicosane (C21)	13.466	2717307	18.760 ug/ml
13) T n-Docosane (C22)	14.053	2689992	18.641 ug/ml
14) T n-Tetracosane (C24)	15.158	2643421	18.403 ug/ml
15) T n-Hexacosane (C26)	16.181	2596865	18.336 ug/ml
16) T n-Octacosane (C28)	17.132	2603891	18.716 ug/ml
17) T n-Tricontane (C30)	18.020	2716244	19.514 ug/mlm
18) T n-Dotriacontane (C32)	18.856	2744886	19.991 ug/ml
19) T n-Tetratriacontane (C34)	19.641	2595789	19.923 ug/ml
20) T n-Hexatriacontane (C36)	20.384	2448948	19.398 ug/mlm
21) T n-Octatriacontane (C38)	21.113	2280153	18.716 ug/mlm
22) T n-Tetracontane (C40)	22.012	2172702	18.194 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051225AL\
Data File : FE053781.D
Signal(s) : FID1B.ch
Acq On : 12 May 2025 22:37
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

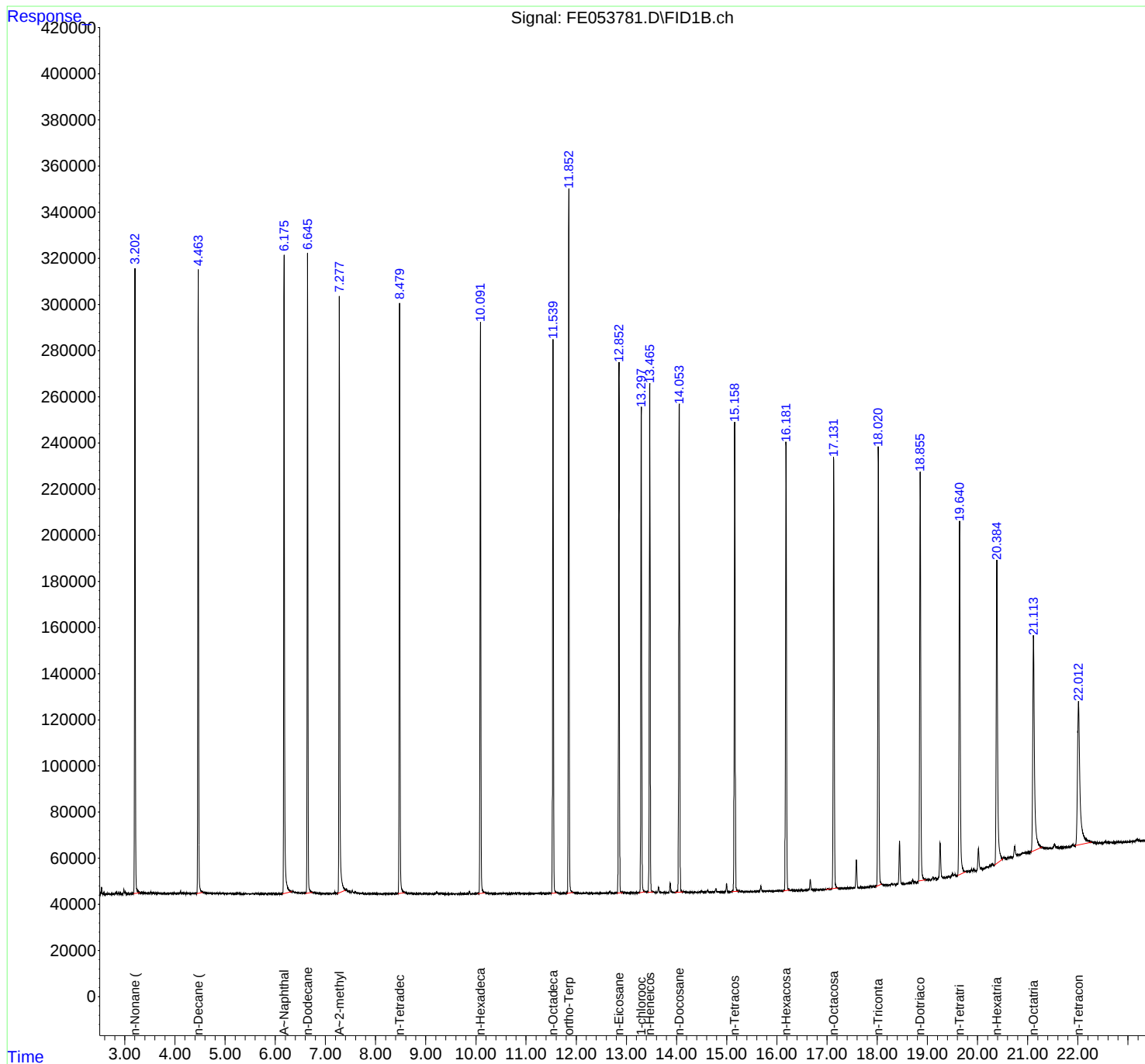
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

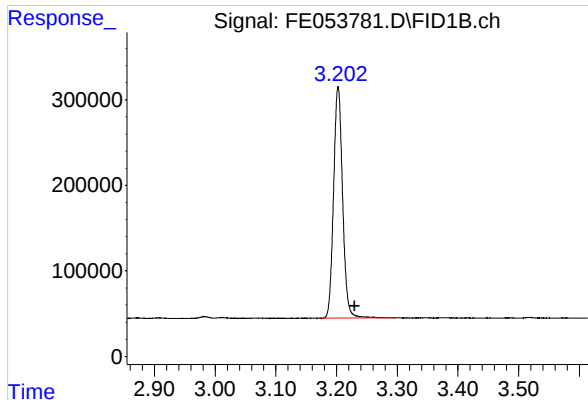
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File: sample.E
Quant Time: May 13 01:56:09 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





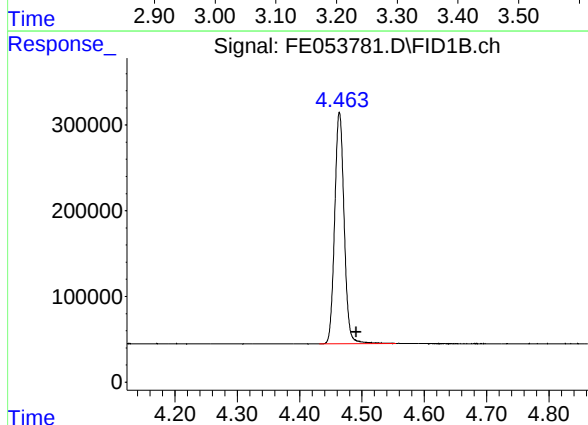
#1 n-Nonane (C9)

R.T.: 3.203 min
Delta R.T.: -0.027 min
Response: 2804823
Conc: 20.46 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

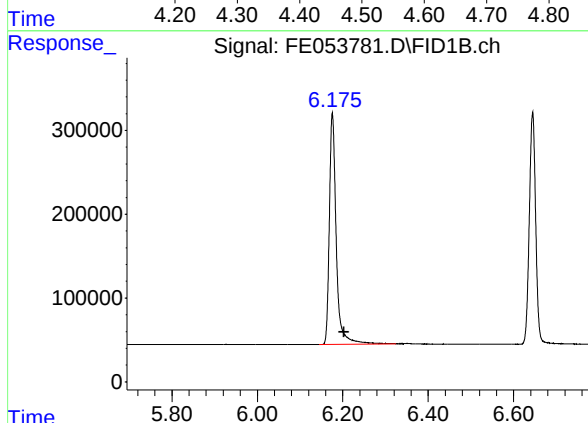
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



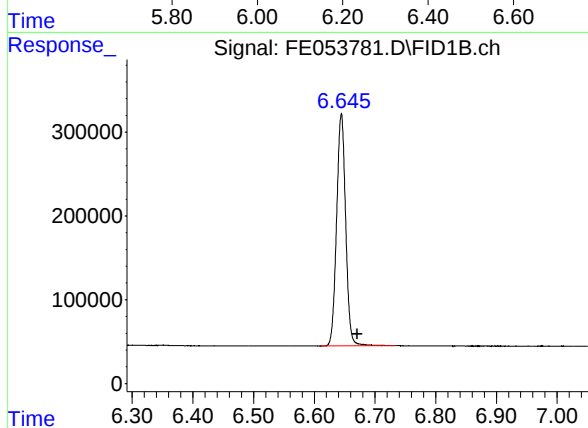
#2 n-Decane (C10)

R.T.: 4.464 min
Delta R.T.: -0.027 min
Response: 2851088
Conc: 20.61 ug/ml



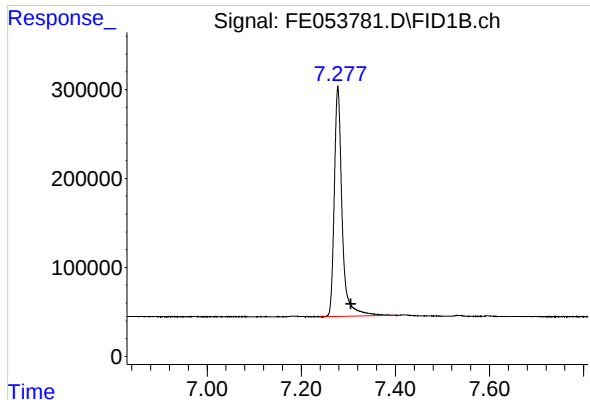
#3 A~Naphthalene (C11.7)

R.T.: 6.176 min
Delta R.T.: -0.027 min
Response: 3083154
Conc: 20.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.645 min
Delta R.T.: -0.026 min
Response: 2882129
Conc: 20.55 ug/ml



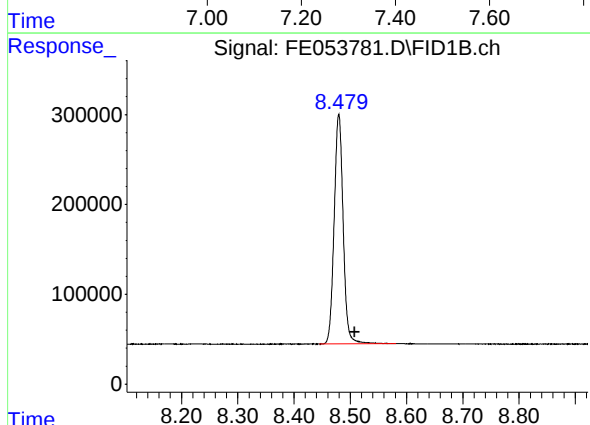
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.278 min
Delta R.T.: -0.028 min
Response: 2993978
Conc: 20.05 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

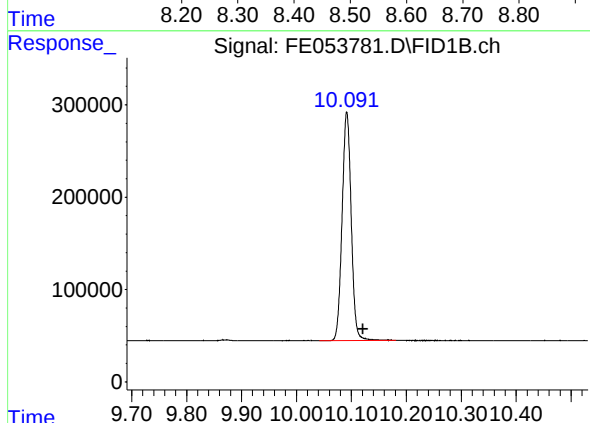
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



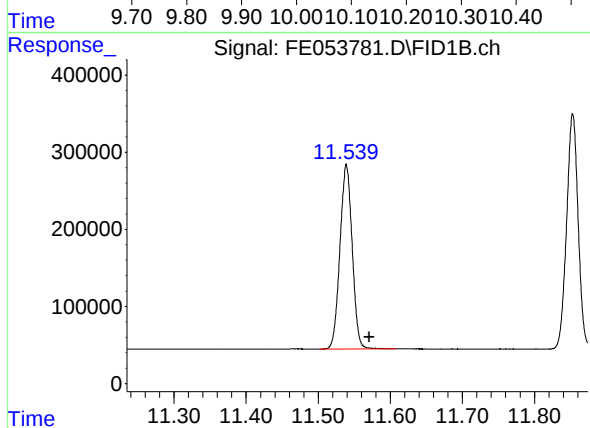
#6 n-Tetradecane (C14)

R.T.: 8.480 min
Delta R.T.: -0.028 min
Response: 2851997
Conc: 20.33 ug/ml



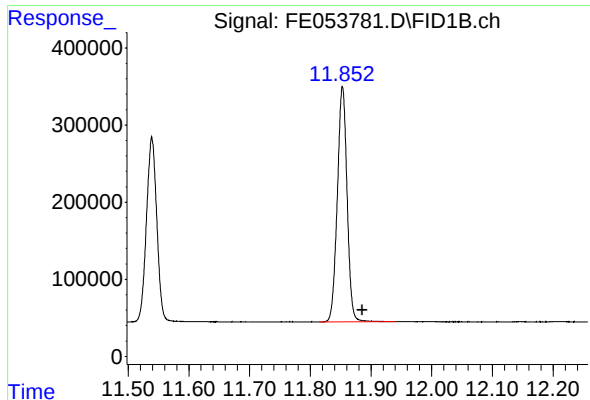
#7 n-Hexadecane (C16)

R.T.: 10.092 min
Delta R.T.: -0.029 min
Response: 2848383
Conc: 19.87 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.539 min
Delta R.T.: -0.032 min
Response: 2828554
Conc: 19.41 ug/ml



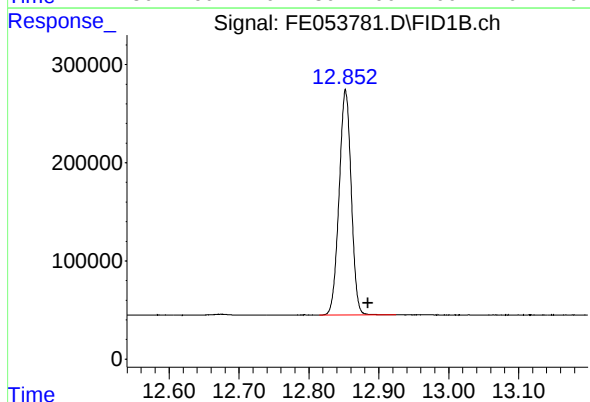
#9 ortho-Terphenyl (SURR)

R.T.: 11.853 min
Delta R.T.: -0.033 min
Response: 3404823
Conc: 18.88 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

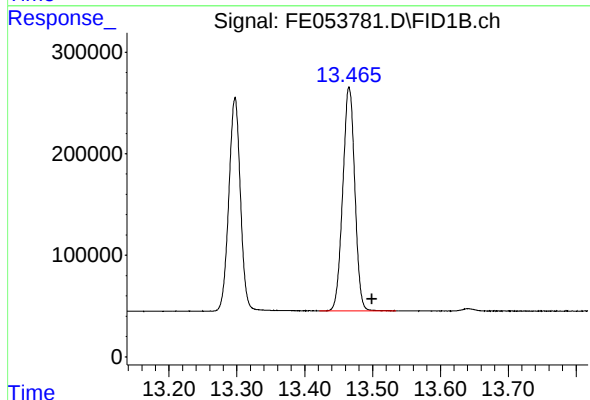
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



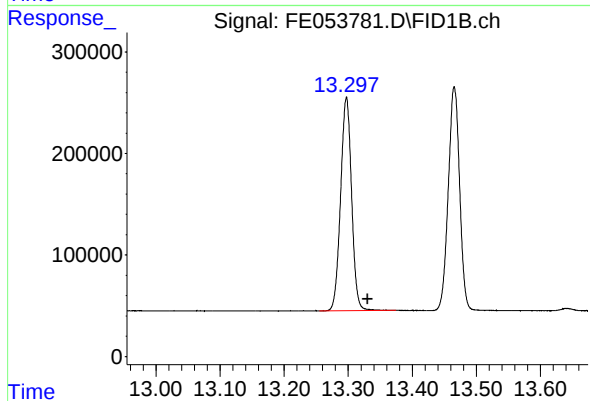
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: -0.032 min
Response: 2756448
Conc: 18.94 ug/ml



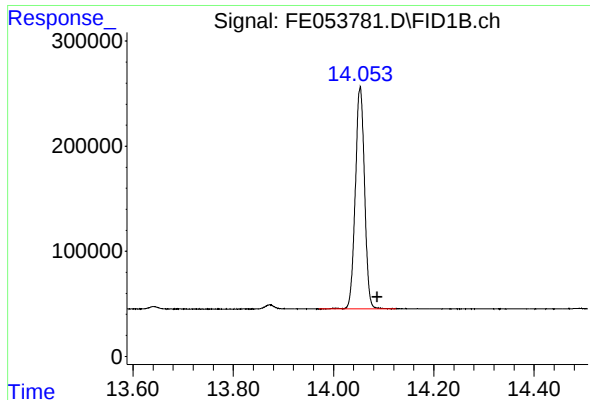
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: -0.034 min
Response: 2717307
Conc: 18.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.297 min
Delta R.T.: -0.033 min
Response: 2486422
Conc: 18.39 ug/ml



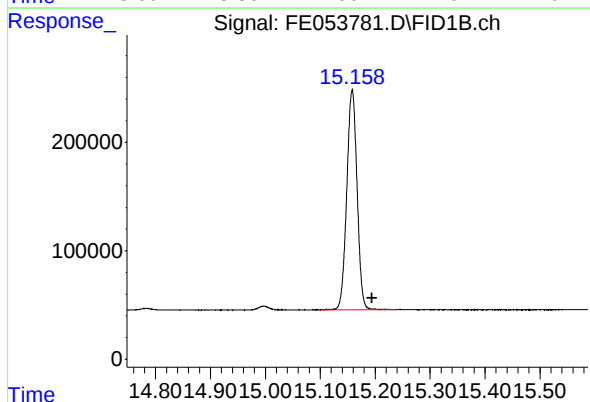
#13 n-Docosane (C22)

R.T.: 14.053 min
Delta R.T.: -0.034 min
Response: 2689992
Conc: 18.64 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

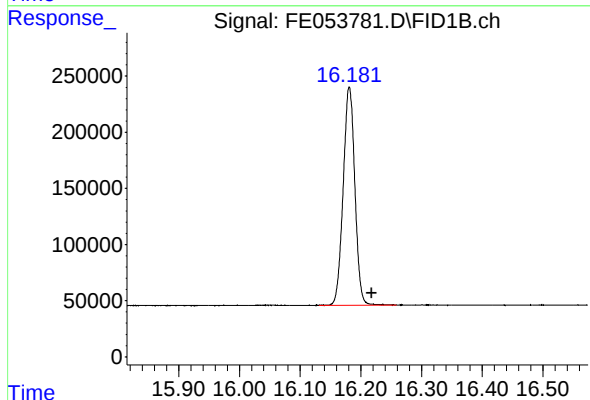
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



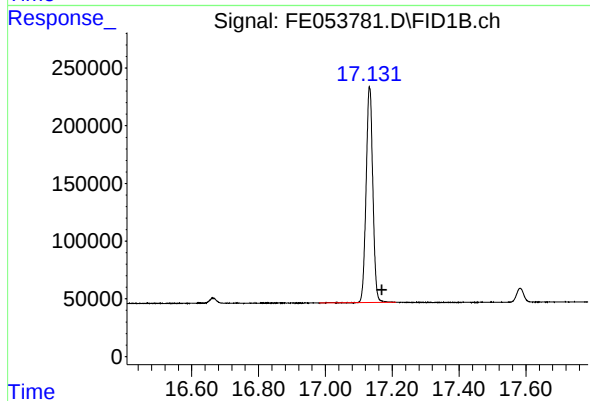
#14 n-Tetracosane (C24)

R.T.: 15.158 min
Delta R.T.: -0.036 min
Response: 2643421
Conc: 18.40 ug/ml



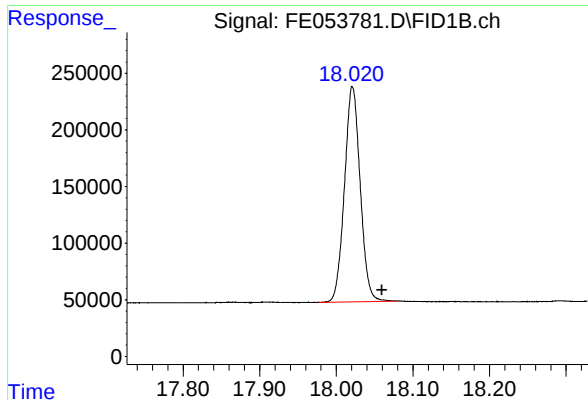
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: -0.037 min
Response: 2596865
Conc: 18.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.132 min
Delta R.T.: -0.038 min
Response: 2603891
Conc: 18.72 ug/ml



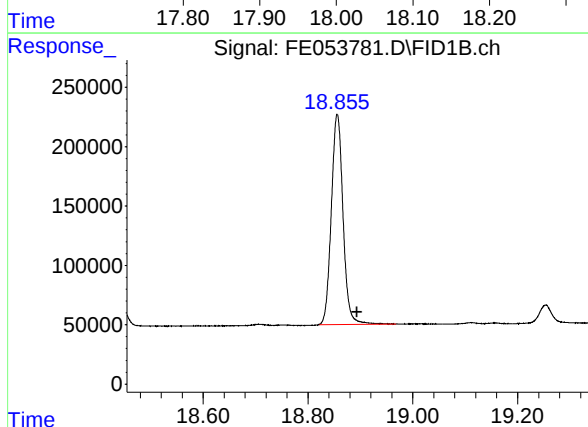
#17 n-Tricontane (C30)

R.T.: 18.020 min
Delta R.T.: -0.040 min
Response: 2716244
Conc: 19.51 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

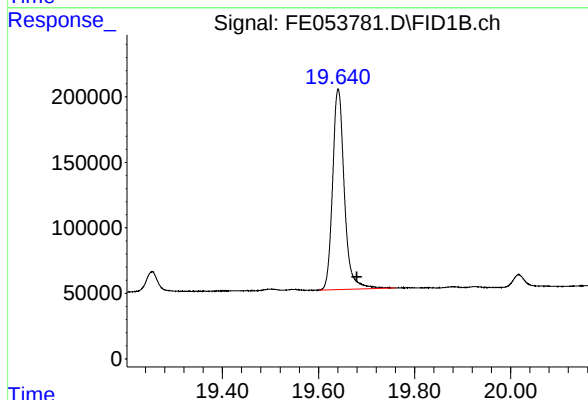
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



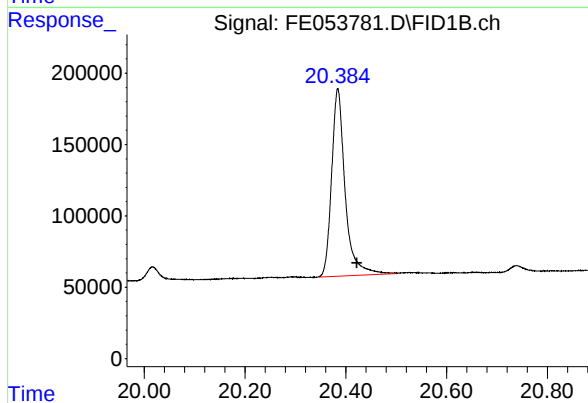
#18 n-Dotriacontane (C32)

R.T.: 18.856 min
Delta R.T.: -0.037 min
Response: 2744886
Conc: 19.99 ug/ml



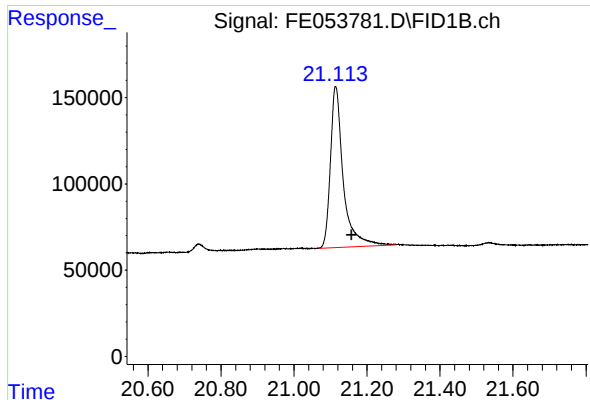
#19 n-Tetratriacontane (C34)

R.T.: 19.641 min
Delta R.T.: -0.039 min
Response: 2595789
Conc: 19.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.384 min
Delta R.T.: -0.038 min
Response: 2448948
Conc: 19.40 ug/ml m



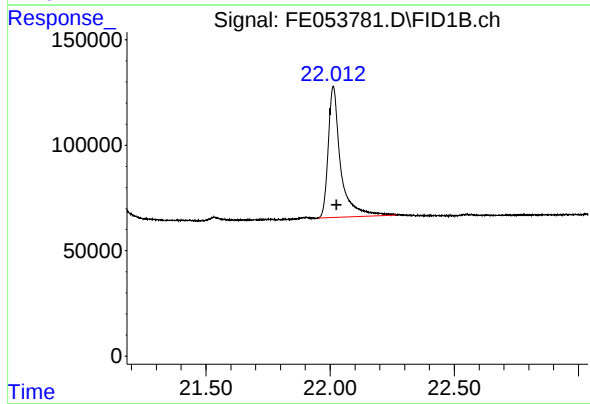
#21 n-Octatriacontane (C38)

R.T.: 21.113 min
Delta R.T.: -0.045 min
Response: 2280153
Conc: 18.72 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



#22 n-Tetracontane (C40)

R.T.: 22.012 min
Delta R.T.: -0.015 min
Response: 2172702
Conc: 18.19 ug/ml m