

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051225AL\
 Data File : FE053765.D
 Signal(s) : FID1B.ch
 Acq On : 12 May 2025 13:35
 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 12 13:57:42 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)	11.855	3415143	18.935 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
12) S 1-chlorooctadecane (S...	13.301	2489570	18.417 ug/ml
Spiked Amount 50.000		Recovery =	36.83%
Target Compounds			
1) T n-Nonane (C9)	3.203	2803928	20.451 ug/ml
2) T n-Decane (C10)	4.465	2858345	20.662 ug/ml
3) T A~Naphthalene (C11.7)	6.177	3101397	20.547 ug/ml
4) T n-Dodecane (C12)	6.645	2889179	20.600 ug/ml
5) T A~2-methylnaphthalene...	7.279	3081090	20.636 ug/ml
6) T n-Tetradecane (C14)	8.481	2858312	20.374 ug/ml
7) T n-Hexadecane (C16)	10.094	2877551	20.077 ug/ml
8) T n-Octadecane (C18)	11.541	2845918	19.528 ug/ml
10) T n-Eicosane (C20)	12.855	2762272	18.983 ug/ml
11) T n-Heneicosane (C21)	13.468	2728991	18.841 ug/ml
13) T n-Docosane (C22)	14.056	2710072	18.780 ug/ml
14) T n-Tetracosane (C24)	15.162	2651080	18.456 ug/ml
15) T n-Hexacosane (C26)	16.185	2598252	18.345 ug/ml
16) T n-Octacosane (C28)	17.137	2578322	18.532 ug/ml
17) T n-Tricontane (C30)	18.027	2484953	17.852 ug/ml
18) T n-Dotriacontane (C32)	18.862	2652422	19.317 ug/ml
19) T n-Tetratriacontane (C34)	19.648	2478574	19.023 ug/ml
20) T n-Hexatriacontane (C36)	20.390	2313547	18.326 ug/ml
21) T n-Octatriacontane (C38)	21.124	2007722	16.480 ug/ml
22) T n-Tetracontane (C40)	22.026	2441064	20.441 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051225AL\
Data File : FE053765.D
Signal(s) : FID1B.ch
Acq On : 12 May 2025 13:35
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

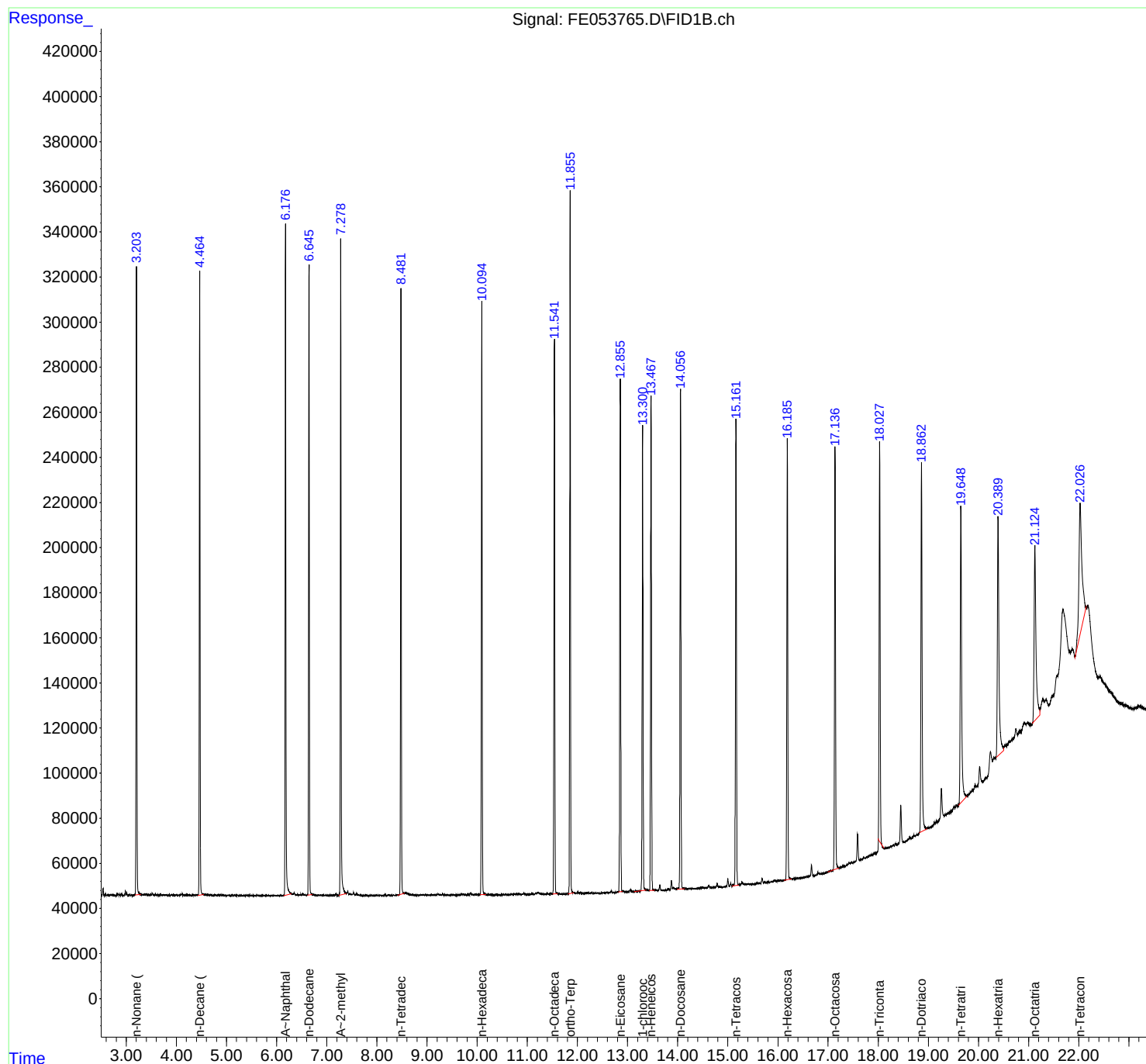
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

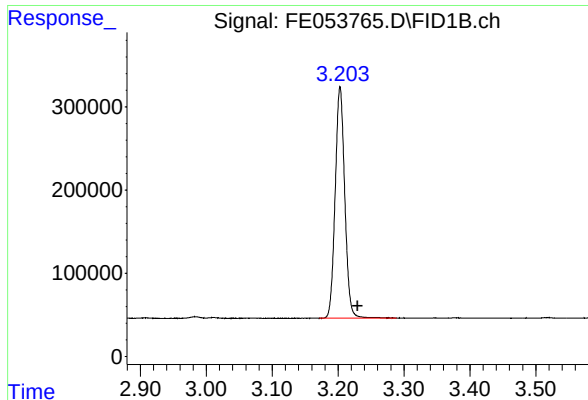
Manual Integrations
APPROVED

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

Integration File: sample.E
Quant Time: May 12 13:57:42 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





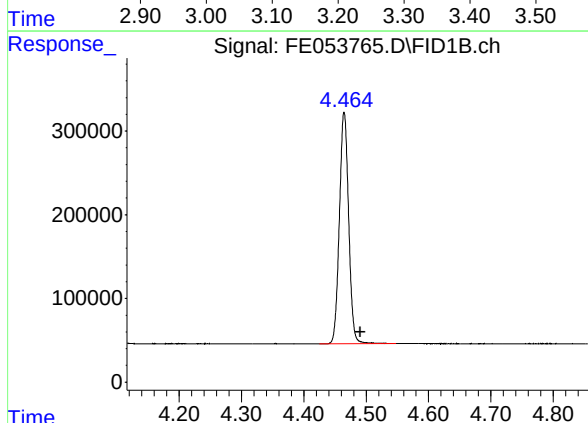
#1 n-Nonane (C9)

R.T.: 3.203 min
Delta R.T.: -0.027 min
Response: 2803928
Conc: 20.45 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

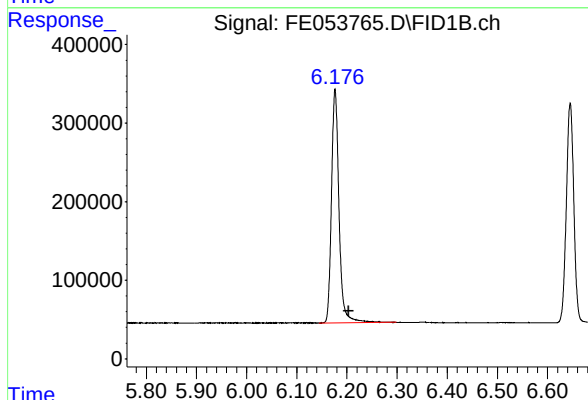
Manual Integrations
APPROVED

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



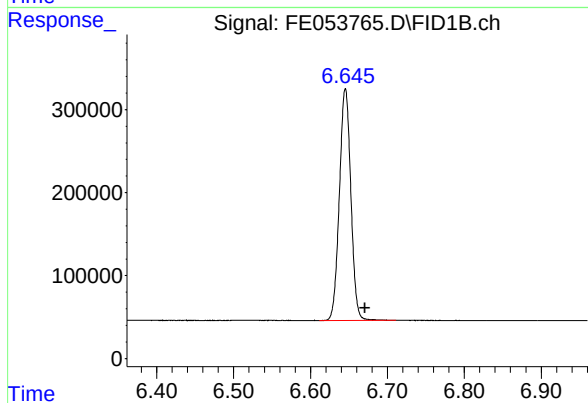
#2 n-Decane (C10)

R.T.: 4.465 min
Delta R.T.: -0.026 min
Response: 2858345
Conc: 20.66 ug/ml



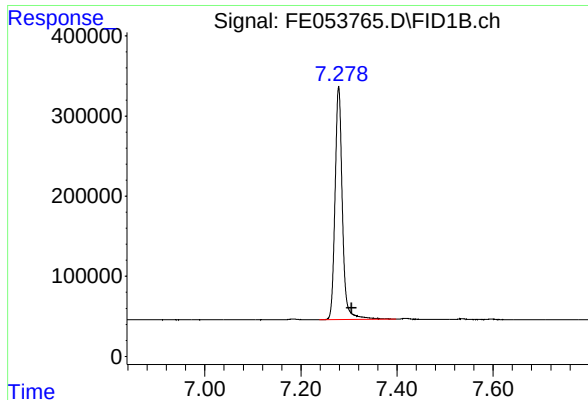
#3 A~Naphthalene (C11.7)

R.T.: 6.177 min
Delta R.T.: -0.027 min
Response: 3101397
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.645 min
Delta R.T.: -0.025 min
Response: 2889179
Conc: 20.60 ug/ml



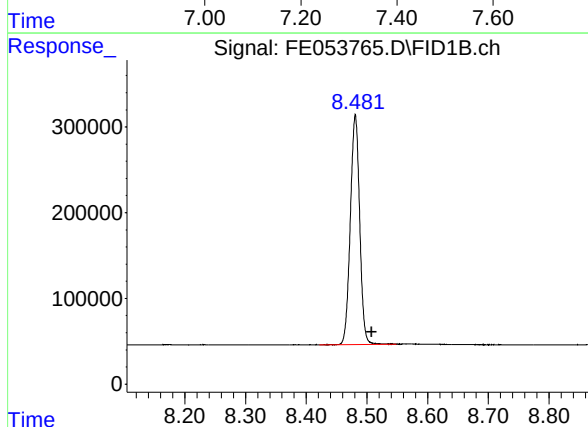
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.279 min
Delta R.T.: -0.027 min
Response: 3081090
Conc: 20.64 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

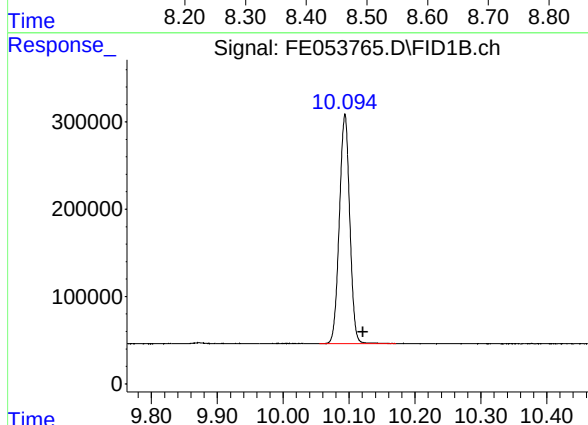
Manual Integrations
APPROVED

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



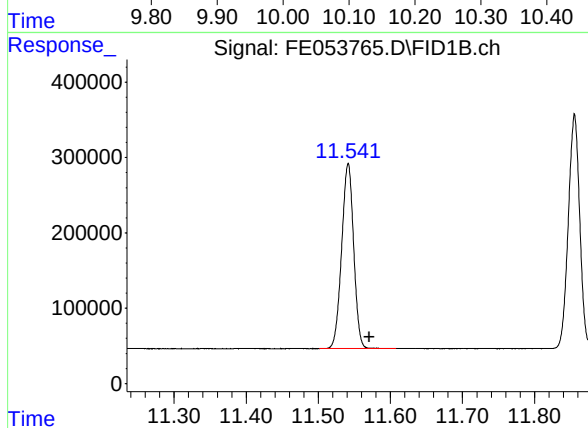
#6 n-Tetradecane (C14)

R.T.: 8.481 min
Delta R.T.: -0.027 min
Response: 2858312
Conc: 20.37 ug/ml



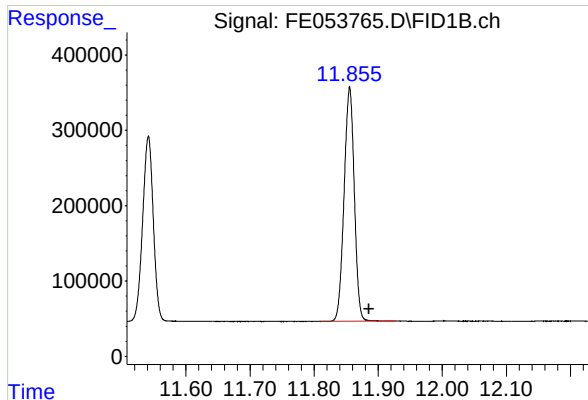
#7 n-Hexadecane (C16)

R.T.: 10.094 min
Delta R.T.: -0.027 min
Response: 2877551
Conc: 20.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.541 min
Delta R.T.: -0.029 min
Response: 2845918
Conc: 19.53 ug/ml



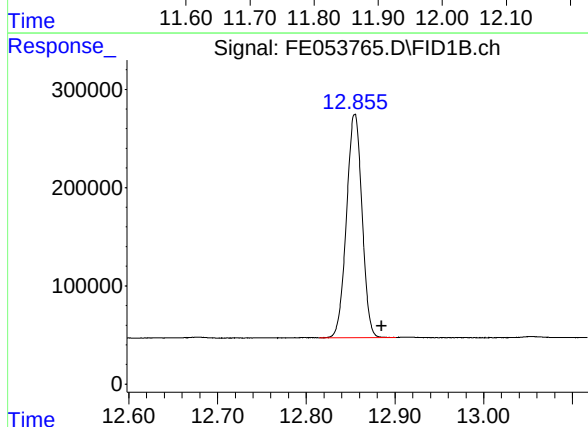
#9 ortho-Terphenyl (SURR)

R.T.: 11.855 min
Delta R.T.: -0.030 min
Response: 3415143
Conc: 18.94 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

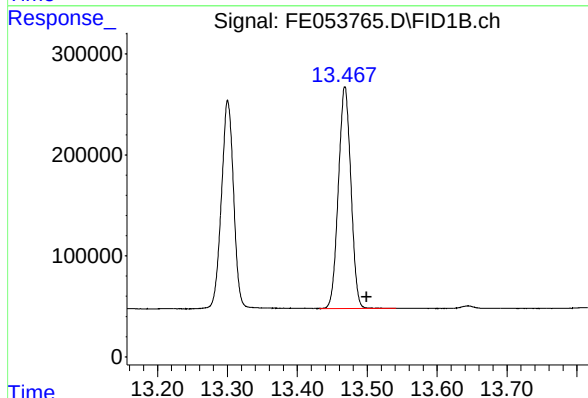
Manual Integrations
APPROVED

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



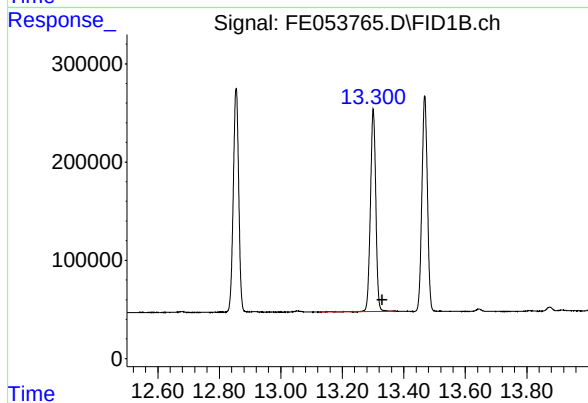
#10 n-Eicosane (C20)

R.T.: 12.855 min
Delta R.T.: -0.030 min
Response: 2762272
Conc: 18.98 ug/ml



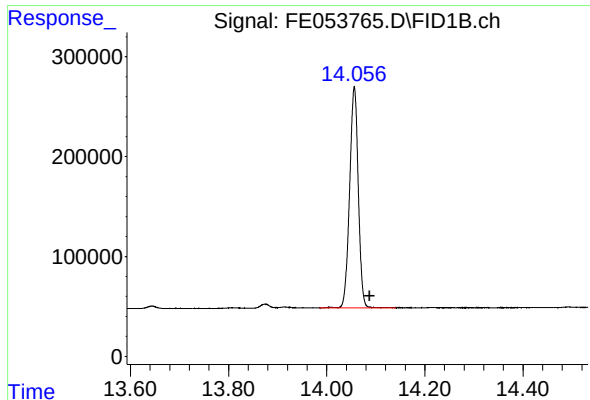
#11 n-Heneicosane (C21)

R.T.: 13.468 min
Delta R.T.: -0.031 min
Response: 2728991
Conc: 18.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min
Delta R.T.: -0.030 min
Response: 2489570
Conc: 18.42 ug/ml



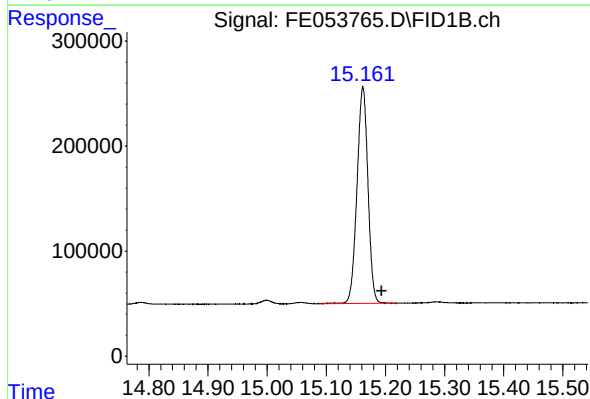
#13 n-Docosane (C22)

R.T.: 14.056 min
Delta R.T.: -0.031 min
Response: 2710072
Conc: 18.78 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

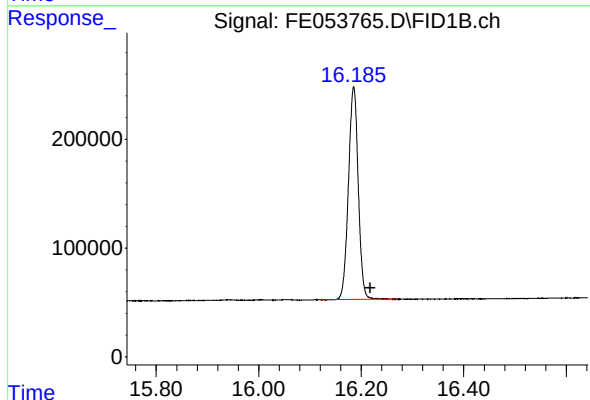
Manual Integrations
APPROVED

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



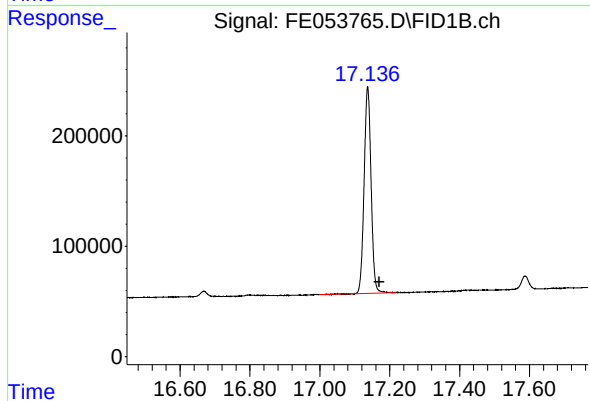
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: -0.032 min
Response: 2651080
Conc: 18.46 ug/ml



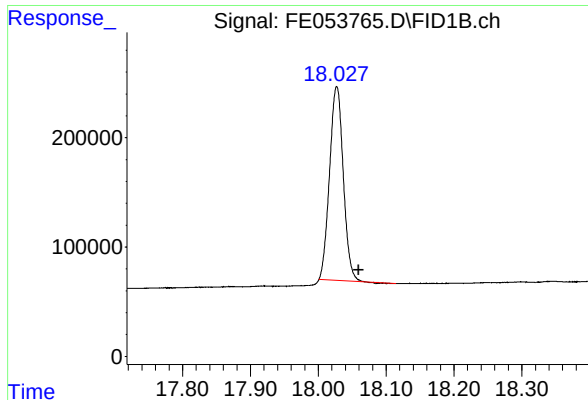
#15 n-Hexacosane (C26)

R.T.: 16.185 min
Delta R.T.: -0.032 min
Response: 2598252
Conc: 18.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.137 min
Delta R.T.: -0.033 min
Response: 2578322
Conc: 18.53 ug/ml



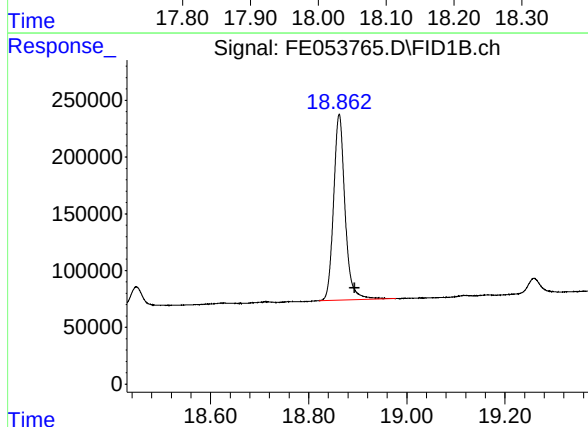
#17 n-Tricontane (C30)

R.T.: 18.027 min
Delta R.T.: -0.033 min
Response: 2484953
Conc: 17.85 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

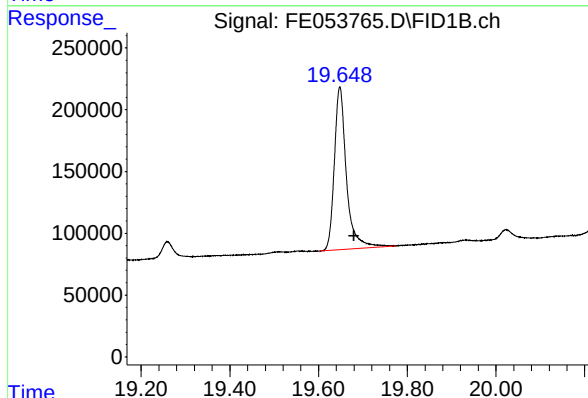
Manual Integrations
APPROVED

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



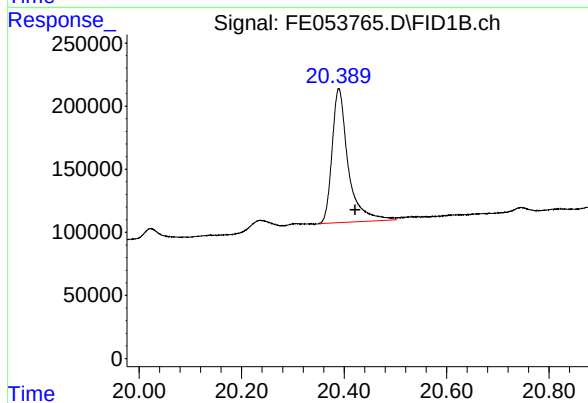
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: -0.031 min
Response: 2652422
Conc: 19.32 ug/ml



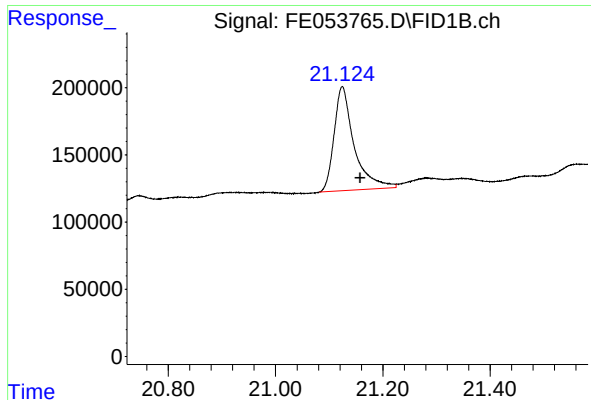
#19 n-Tetratriacontane (C34)

R.T.: 19.648 min
Delta R.T.: -0.032 min
Response: 2478574
Conc: 19.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.390 min
Delta R.T.: -0.032 min
Response: 2313547
Conc: 18.33 ug/ml



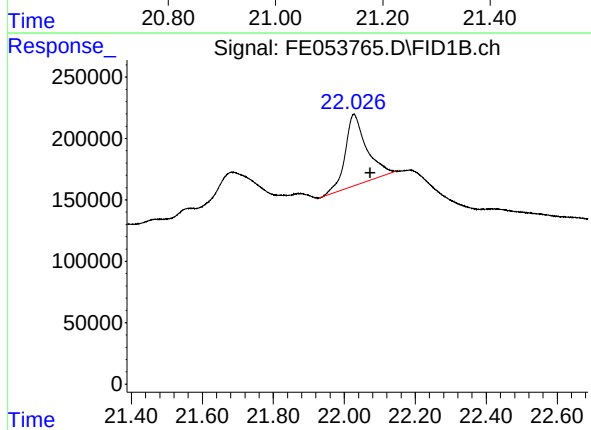
#21 n-Octatriacontane (C38)

R.T.: 21.124 min
Delta R.T.: -0.034 min
Response: 2007722
Conc: 16.48 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.: 22.026 min
Delta R.T.: -0.047 min
Response: 2441064
Conc: 20.44 ug/ml m