

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052125AL\
 Data File : FE053941.D
 Signal(s) : FID1B.ch
 Acq On : 21 May 2025 09:00
 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 05/22/2025
 Supervised By :mohammad ahmed 05/23/2025

Integration File: autoint1.e
 Quant Time: May 22 03:14:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.843	3282340	20.198 ug/ml
Spiked Amount 50.000		Recovery =	40.40%
12) S 1-chlorooctadecane (S...	13.288	2398299	20.230 ug/ml
Spiked Amount 50.000		Recovery =	40.46%
Target Compounds			
1) T n-Nonane (C9)	3.194	2652854	19.629 ug/ml
2) T n-Decane (C10)	4.455	2679930	19.832 ug/ml
3) T A~Naphthalene (C11.7)	6.168	2877875	20.025 ug/ml
4) T n-Dodecane (C12)	6.635	2720686	19.946 ug/ml
5) T A~2-methylnaphthalene...	7.270	2833494	20.428 ug/ml
6) T n-Tetradecane (C14)	8.470	2711847	20.095 ug/ml
7) T n-Hexadecane (C16)	10.083	2727551	20.214 ug/ml
8) T n-Octadecane (C18)	11.530	2702711	20.071 ug/ml
10) T n-Eicosane (C20)	12.842	2652362	20.181 ug/ml
11) T n-Heneicosane (C21)	13.456	2615035	20.171 ug/ml
13) T n-Docosane (C22)	14.044	2576873	20.199 ug/ml
14) T n-Tetracosane (C24)	15.149	2548981	20.373 ug/ml
15) T n-Hexacosane (C26)	16.172	2500080	20.417 ug/ml
16) T n-Octacosane (C28)	17.123	2487462	20.462 ug/ml
17) T n-Tricontane (C30)	18.012	2579820	20.711 ug/ml
18) T n-Dotriacontane (C32)	18.846	2577756	20.613 ug/ml
19) T n-Tetratriacontane (C34)	19.633	2439012	20.475 ug/ml
20) T n-Hexatriacontane (C36)	20.375	2333219	20.151 ug/ml
21) T n-Octatriacontane (C38)	21.105	2229349	20.486 ug/ml
22) T n-Tetracontane (C40)	21.999	2217071	22.343 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052125AL\
Data File : FE053941.D
Signal(s) : FID1B.ch
Acq On : 21 May 2025 09:00
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

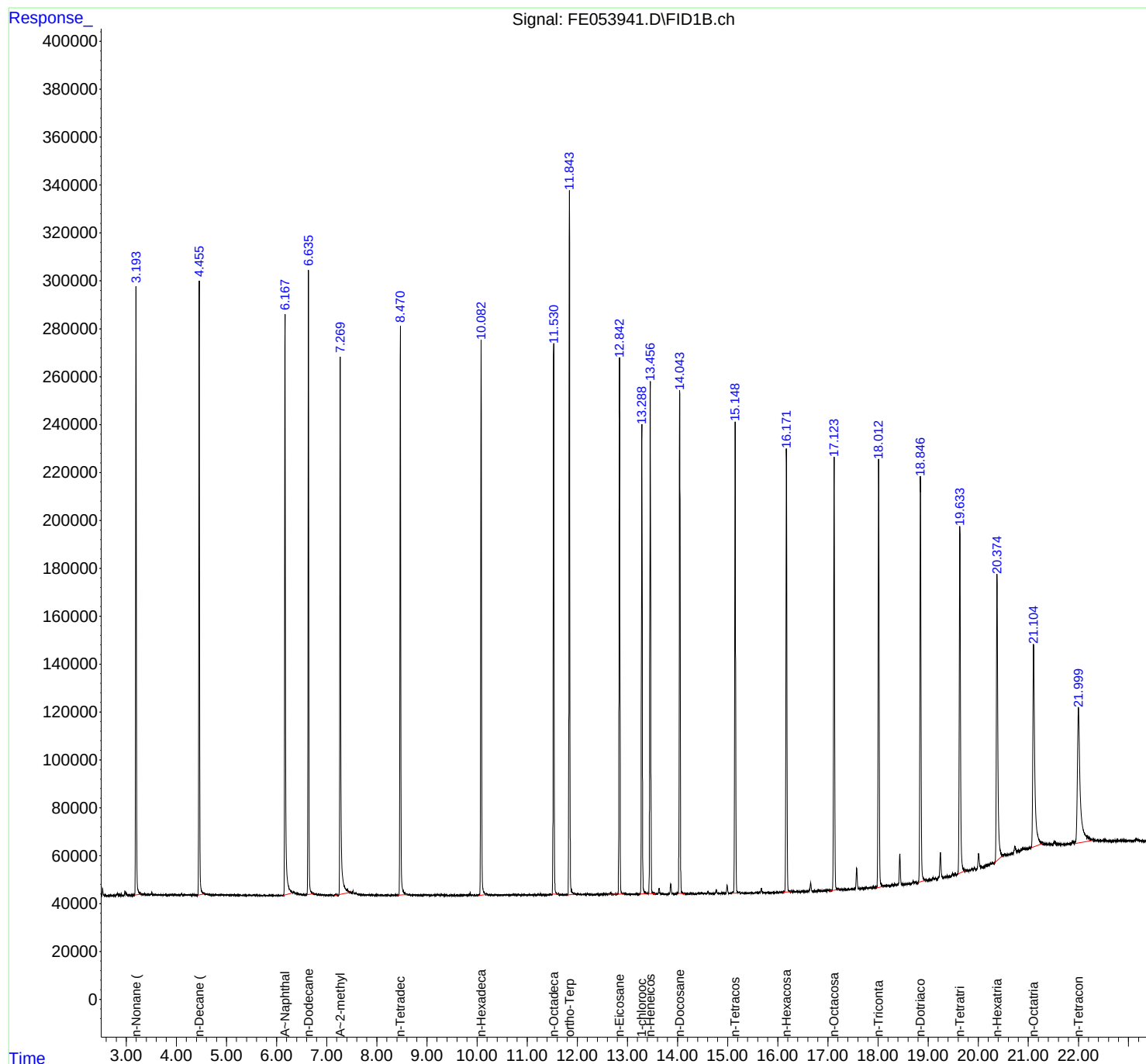
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

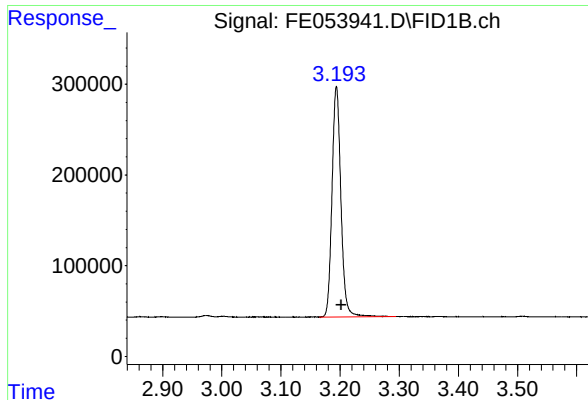
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File: autoint1.e
Quant Time: May 22 03:14:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.
Quant Title : GC Extractables
QLast Update : Wed May 14 12:15:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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





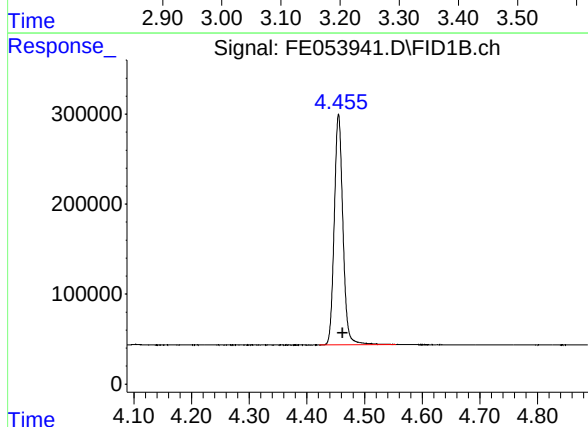
#1 n-Nonane (C9)

R.T.: 3.194 min
Delta R.T.: -0.008 min
Response: 2652854
Conc: 19.63 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

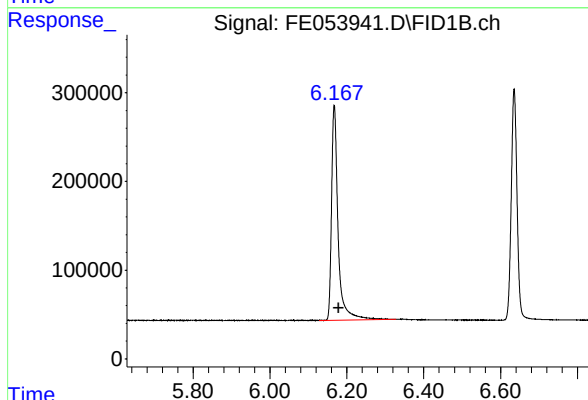
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



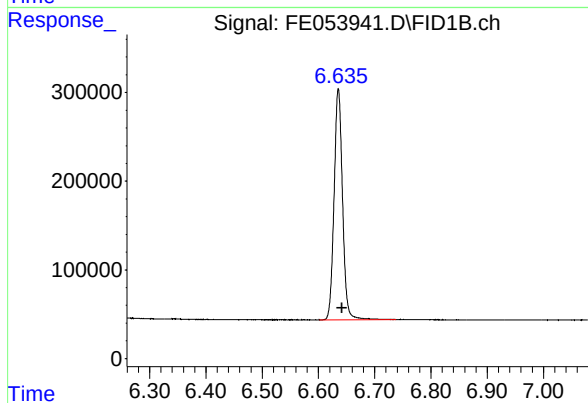
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: -0.007 min
Response: 2679930
Conc: 19.83 ug/ml



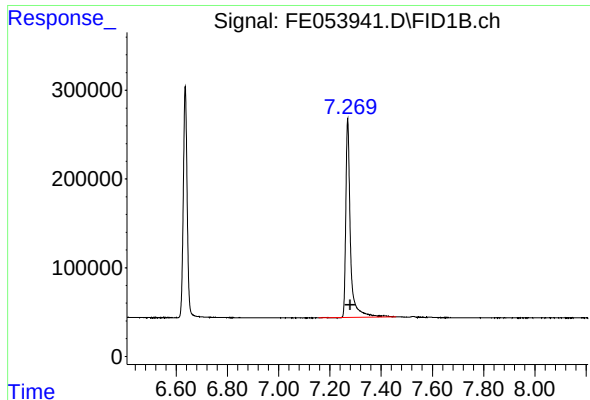
#3 A~Naphthalene (C11.7)

R.T.: 6.168 min
Delta R.T.: -0.011 min
Response: 2877875
Conc: 20.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.635 min
Delta R.T.: -0.007 min
Response: 2720686
Conc: 19.95 ug/ml



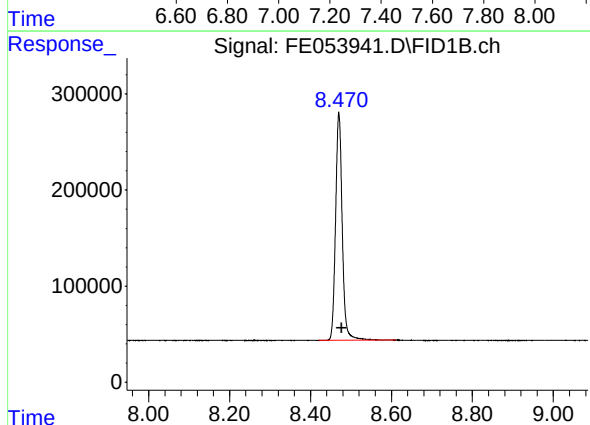
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.270 min
Delta R.T.: -0.011 min
Response: 2833494
Conc: 20.43 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

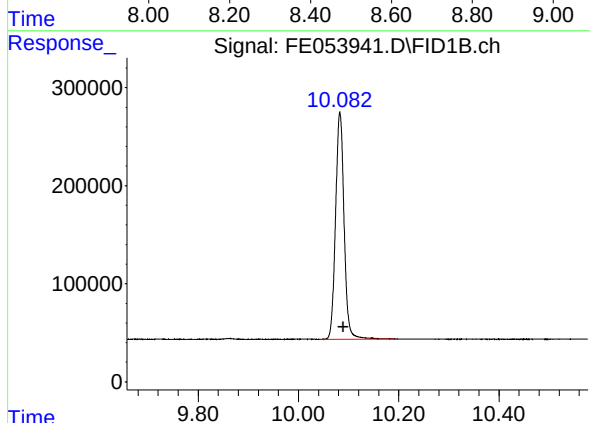
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



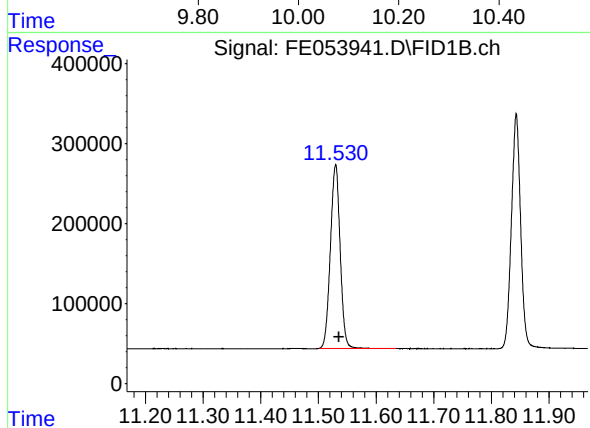
#6 n-Tetradecane (C14)

R.T.: 8.470 min
Delta R.T.: -0.007 min
Response: 2711847
Conc: 20.10 ug/ml



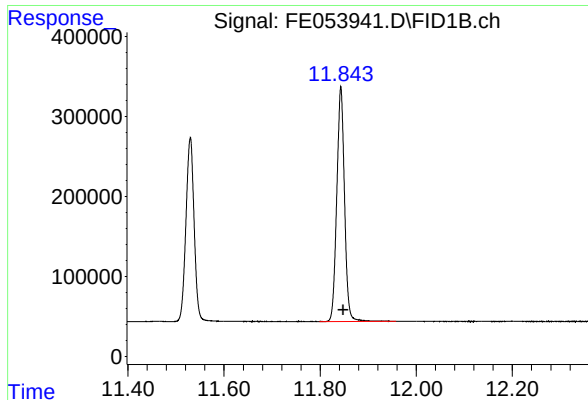
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.007 min
Response: 2727551
Conc: 20.21 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.530 min
Delta R.T.: -0.006 min
Response: 2702711
Conc: 20.07 ug/ml



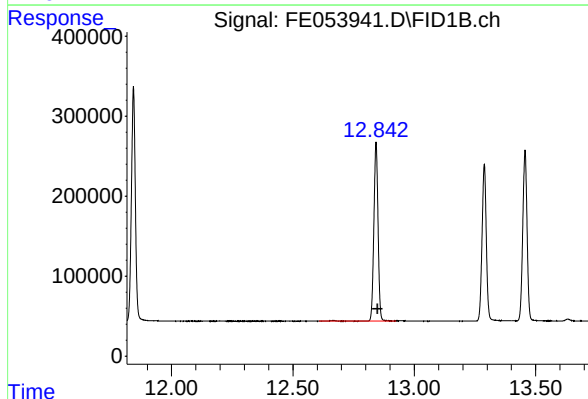
#9 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: -0.006 min
Response: 3282340
Conc: 20.20 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

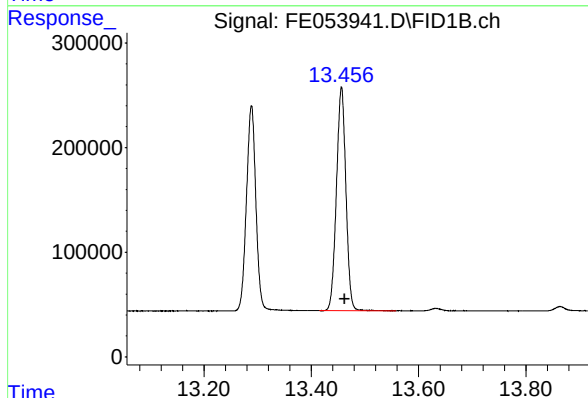
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



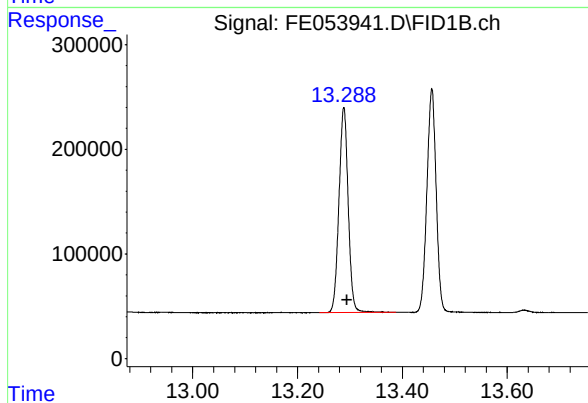
#10 n-Eicosane (C20)

R.T.: 12.842 min
Delta R.T.: -0.006 min
Response: 2652362
Conc: 20.18 ug/ml



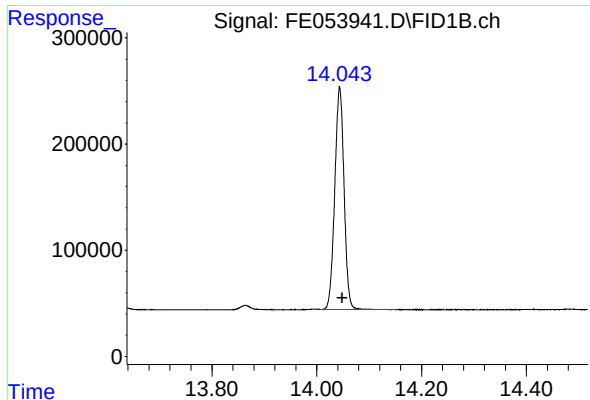
#11 n-Heneicosane (C21)

R.T.: 13.456 min
Delta R.T.: -0.006 min
Response: 2615035
Conc: 20.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.006 min
Response: 2398299
Conc: 20.23 ug/ml



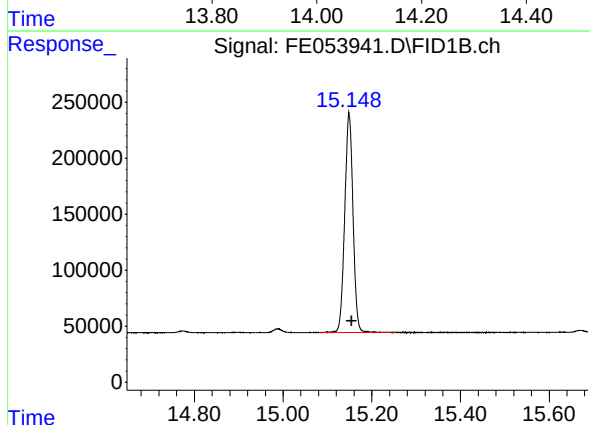
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: -0.006 min
Response: 2576873
Conc: 20.20 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

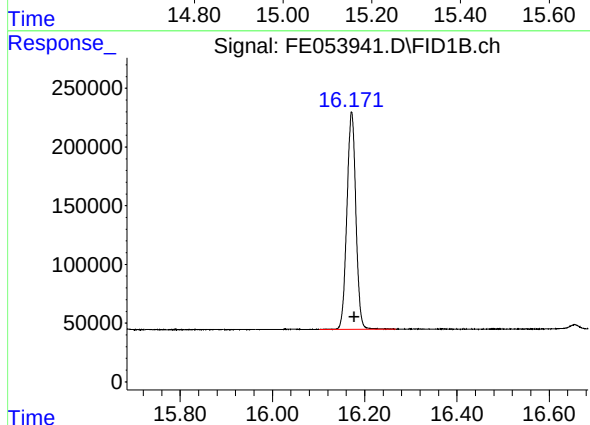
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



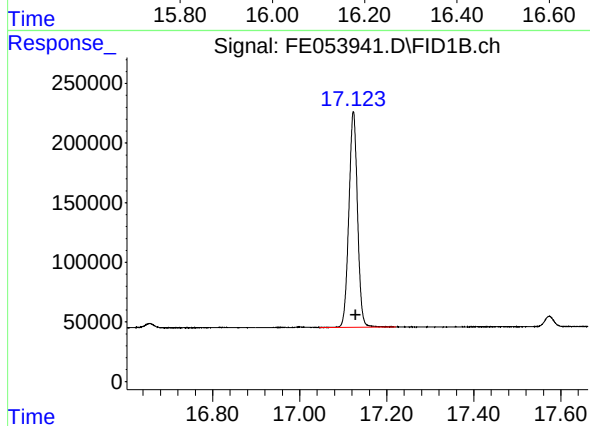
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: -0.006 min
Response: 2548981
Conc: 20.37 ug/ml



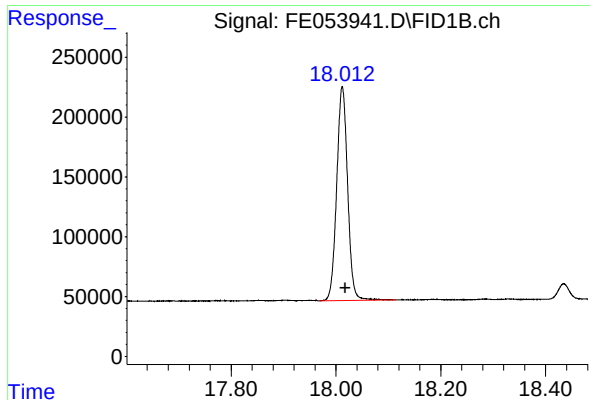
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.006 min
Response: 2500080
Conc: 20.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.005 min
Response: 2487462
Conc: 20.46 ug/ml



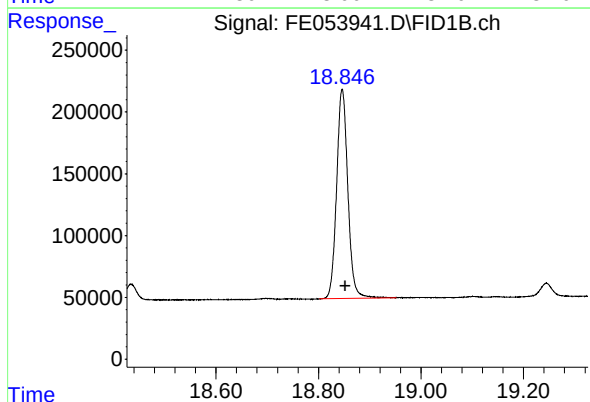
#17 n-Tricontane (C30)

R.T.: 18.012 min
Delta R.T.: -0.006 min
Response: 2579820
Conc: 20.71 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

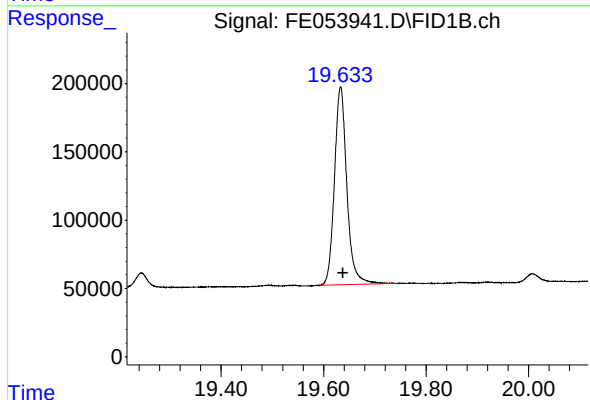
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



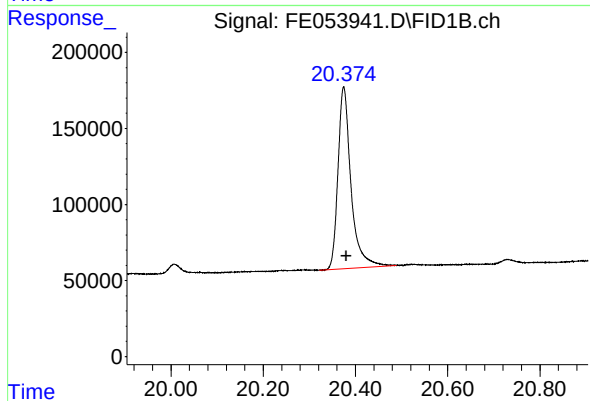
#18 n-Dotriacontane (C32)

R.T.: 18.846 min
Delta R.T.: -0.006 min
Response: 2577756
Conc: 20.61 ug/ml



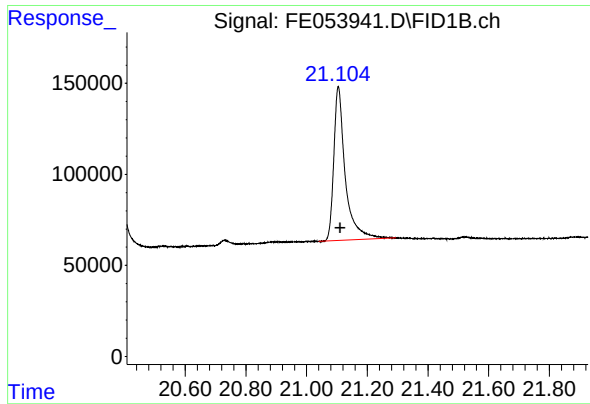
#19 n-Tetatriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.005 min
Response: 2439012
Conc: 20.48 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.375 min
Delta R.T.: -0.005 min
Response: 2333219
Conc: 20.15 ug/ml



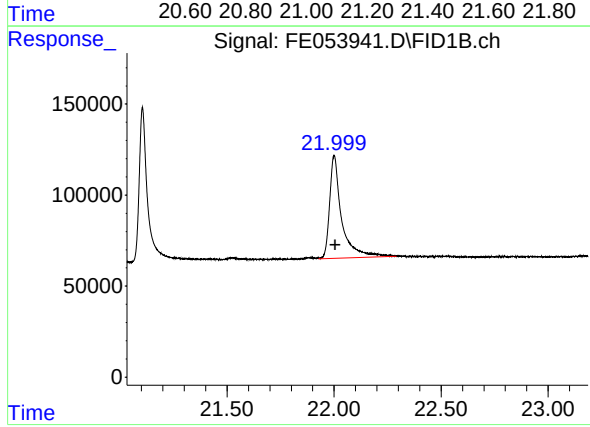
#21 n-Octatriacontane (C38)

R.T.: 21.105 min
Delta R.T.: -0.006 min
Response: 2229349
Conc: 20.49 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



#22 n-Tetracontane (C40)

R.T.: 21.999 min
Delta R.T.: -0.008 min
Response: 2217071
Conc: 22.34 ug/ml m