

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060225AL\
 Data File : FE054121.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jun 2025 14:48
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/03/2025
 Supervised By :mohammad ahmed 06/04/2025

Integration File: autoint1.e
 Quant Time: Jun 03 01:18:49 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)	11.840	3299308	20.302 ug/ml
Spiked Amount 50.000		Recovery =	40.60%
12) S 1-chlorooctadecane (S...	13.286	2431051	20.507 ug/ml
Spiked Amount 50.000		Recovery =	41.01%
Target Compounds			
1) T n-Nonane (C9)	3.186	2449626	18.125 ug/ml
2) T n-Decane (C10)	4.450	2466651	18.254 ug/ml
3) T A~Naphthalene (C11.7)	6.164	2724471	18.957 ug/ml
4) T n-Dodecane (C12)	6.632	2559657	18.765 ug/ml
5) T A~2-methylnaphthalene...	7.267	2723058	19.632 ug/ml
6) T n-Tetradecane (C14)	8.467	2598251	19.254 ug/ml
7) T n-Hexadecane (C16)	10.079	2665117	19.751 ug/ml
8) T n-Octadecane (C18)	11.526	2698992	20.043 ug/mlm
10) T n-Eicosane (C20)	12.840	2662922	20.261 ug/ml
11) T n-Heneicosane (C21)	13.454	2647366	20.420 ug/ml
13) T n-Docosane (C22)	14.042	2611735	20.472 ug/ml
14) T n-Tetracosane (C24)	15.148	2577206	20.598 ug/ml
15) T n-Hexacosane (C26)	16.171	2509184	20.491 ug/ml
16) T n-Octacosane (C28)	17.123	2421959	19.923 ug/ml
17) T n-Tricontane (C30)	18.012	2426329	19.478 ug/mlm
18) T n-Dotriacontane (C32)	18.846	2411180	19.281 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2330368	19.563 ug/ml
20) T n-Hexatriacontane (C36)	20.374	2345096	20.253 ug/ml
21) T n-Octatriacontane (C38)	21.104	2336824	21.473 ug/ml
22) T n-Tetracontane (C40)	22.000	2271777	22.894 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060225AL\
Data File : FE054121.D
Signal(s) : FID1B.ch
Acq On : 02 Jun 2025 14:48
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

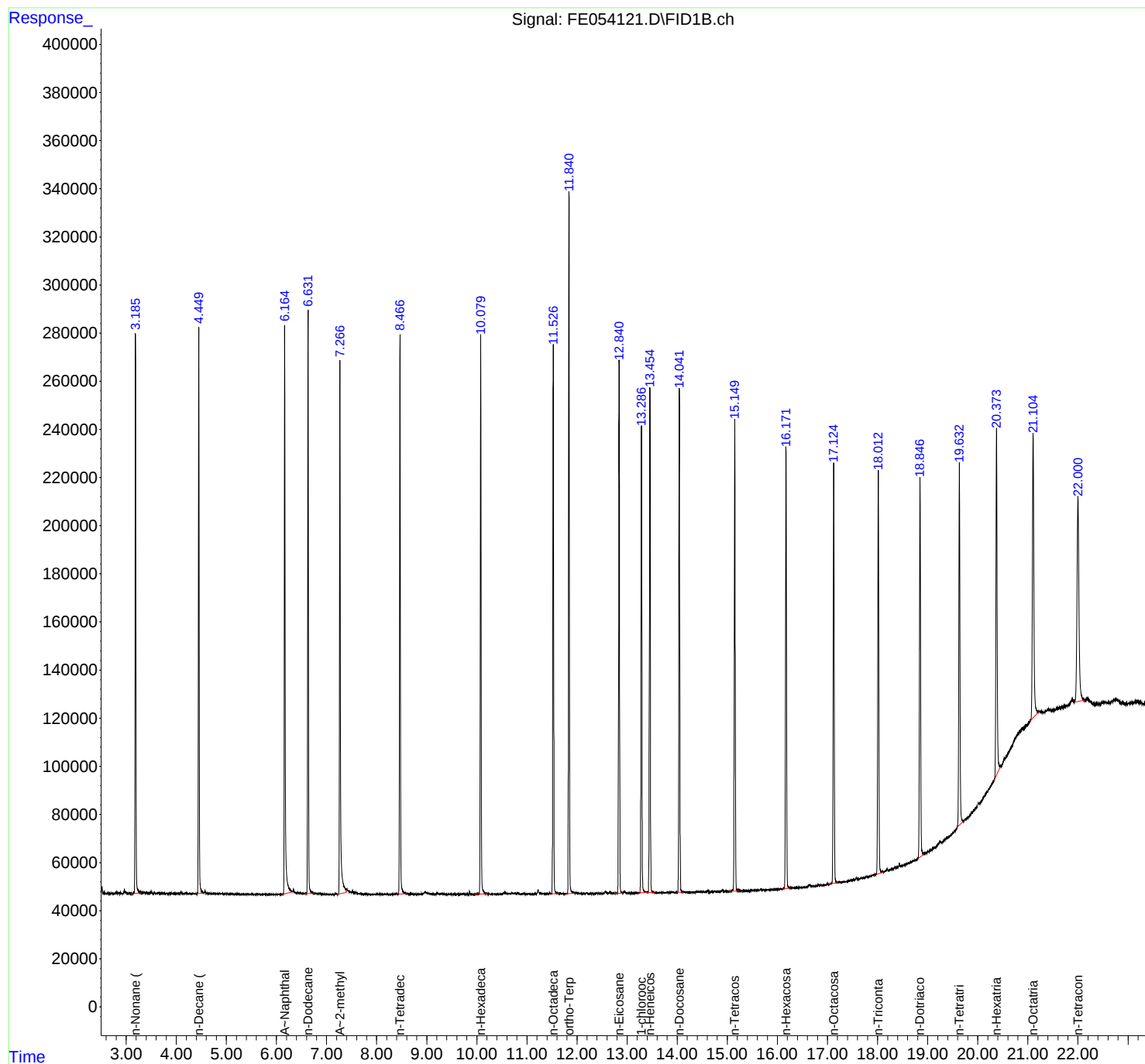
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

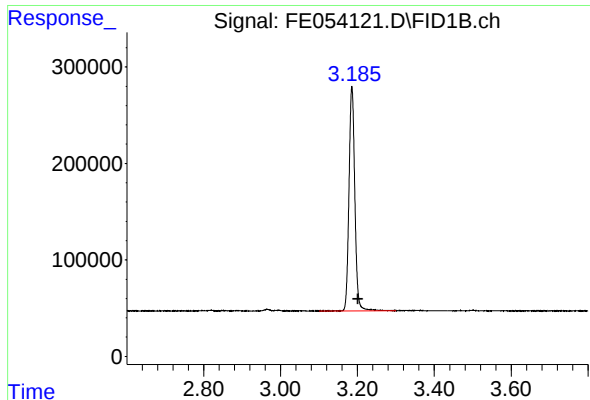
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File: autoint1.e
Quant Time: Jun 03 01:18:49 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





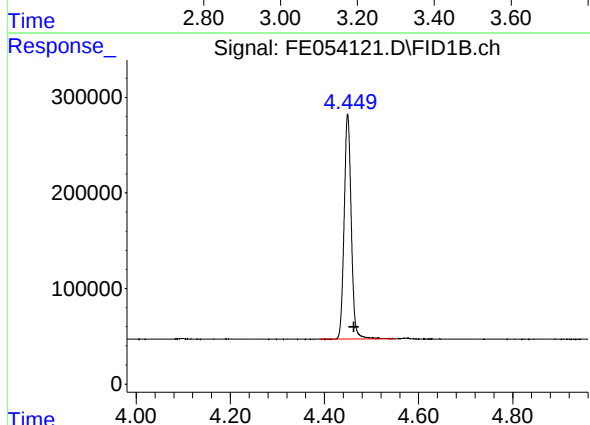
#1 n-Nonane (C9)

R.T.: 3.186 min
Delta R.T.: -0.016 min
Response: 2449626
Conc: 18.12 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

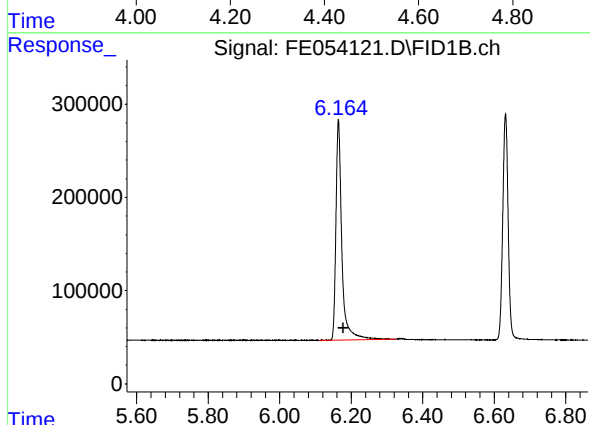
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



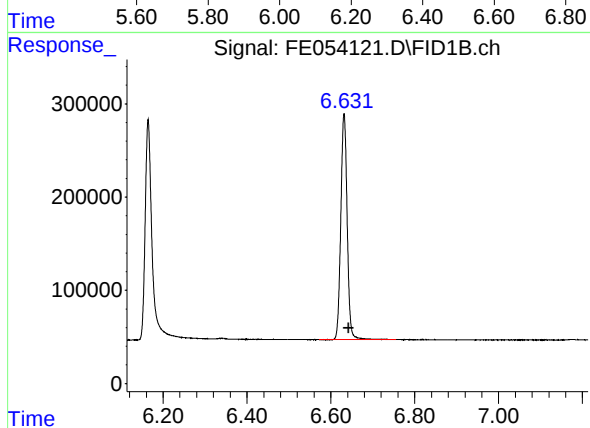
#2 n-Decane (C10)

R.T.: 4.450 min
Delta R.T.: -0.013 min
Response: 2466651
Conc: 18.25 ug/ml



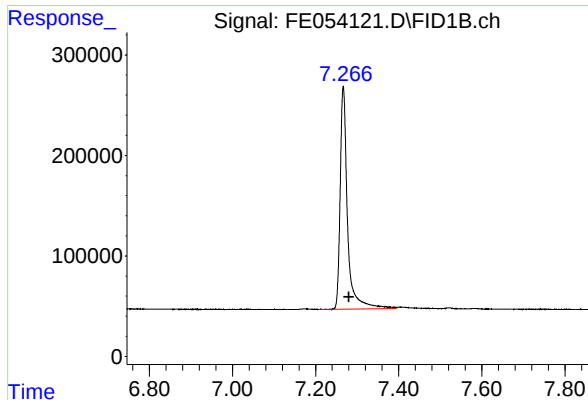
#3 A~Naphthalene (C11.7)

R.T.: 6.164 min
Delta R.T.: -0.014 min
Response: 2724471
Conc: 18.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.632 min
Delta R.T.: -0.011 min
Response: 2559657
Conc: 18.77 ug/ml



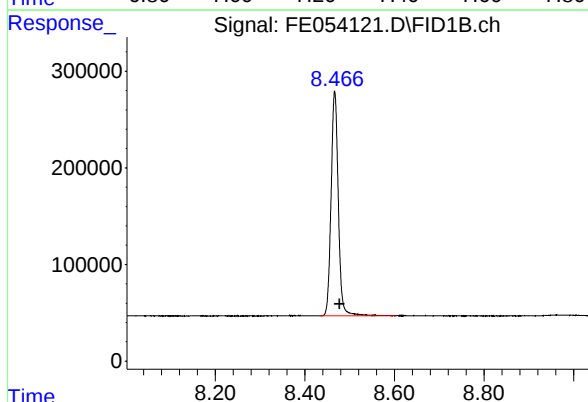
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.267 min
Delta R.T.: -0.013 min
Response: 2723058
Conc: 19.63 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

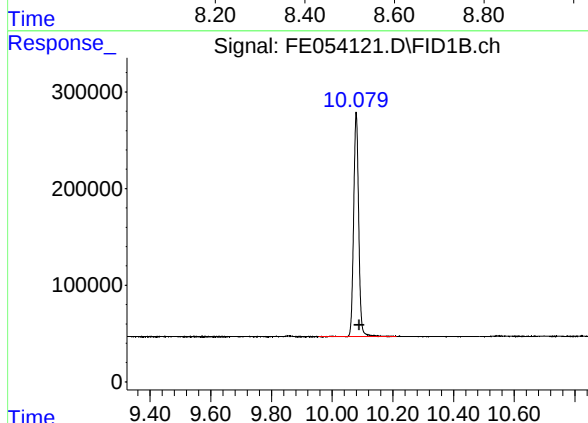
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



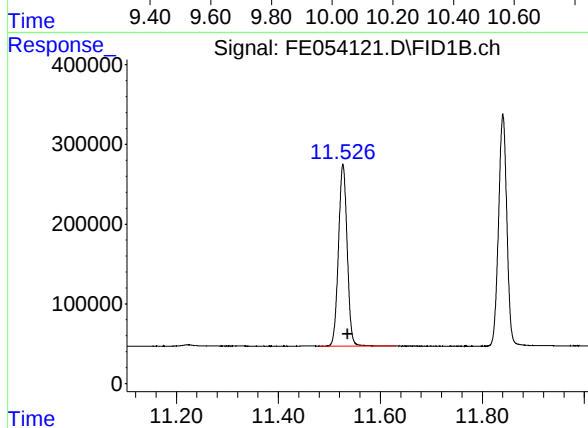
#6 n-Tetradecane (C14)

R.T.: 8.467 min
Delta R.T.: -0.010 min
Response: 2598251
Conc: 19.25 ug/ml



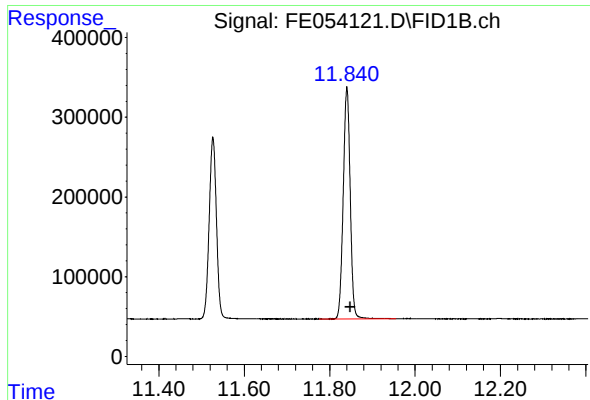
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.010 min
Response: 2665117
Conc: 19.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.526 min
Delta R.T.: -0.010 min
Response: 2698992
Conc: 20.04 ug/ml m



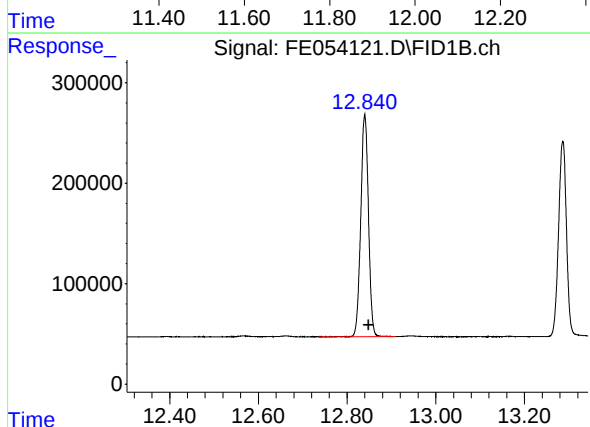
#9 ortho-Terphenyl (SURR)

R.T.: 11.840 min
Delta R.T.: -0.008 min
Response: 3299308
Conc: 20.30 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

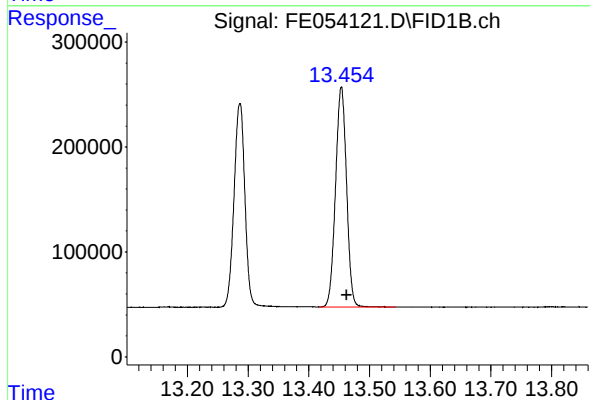
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



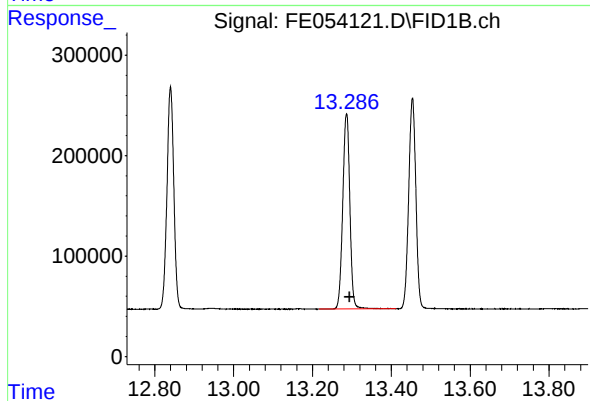
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: -0.009 min
Response: 2662922
Conc: 20.26 ug/ml



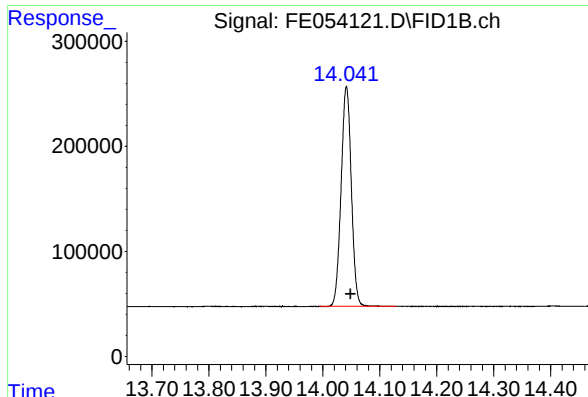
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: -0.009 min
Response: 2647366
Conc: 20.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.008 min
Response: 2431051
Conc: 20.51 ug/ml



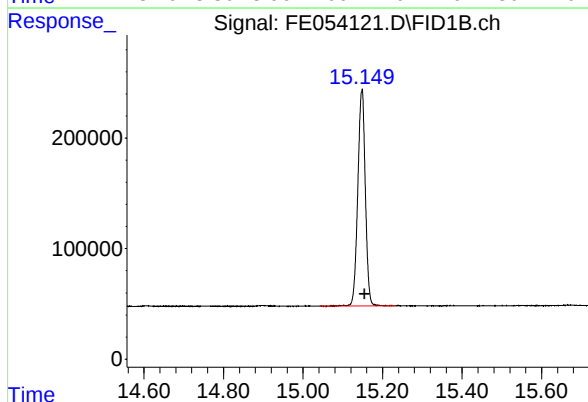
#13 n-Docosane (C22)

R.T.: 14.042 min
Delta R.T.: -0.008 min
Response: 2611735
Conc: 20.47 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

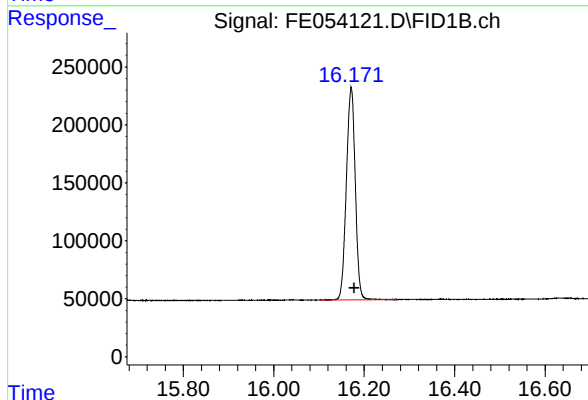
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



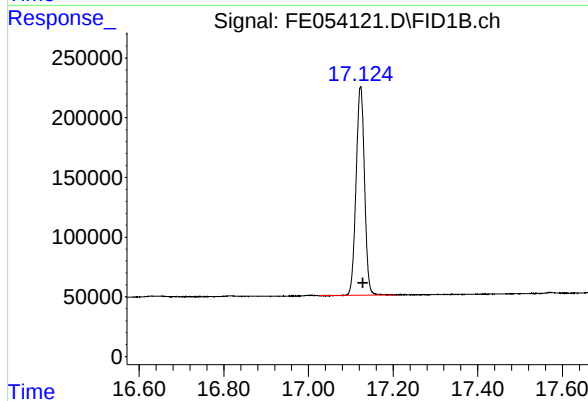
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.007 min
Response: 2577206
Conc: 20.60 ug/ml



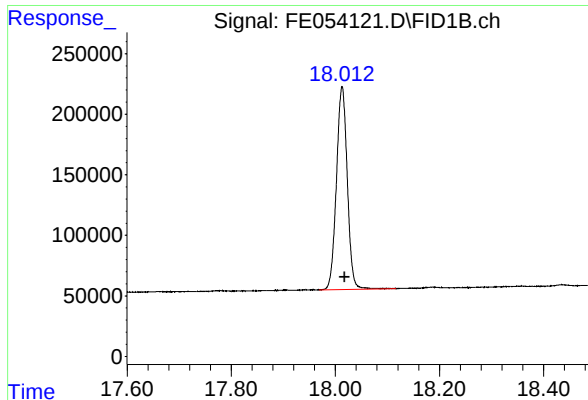
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: -0.007 min
Response: 2509184
Conc: 20.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.006 min
Response: 2421959
Conc: 19.92 ug/ml



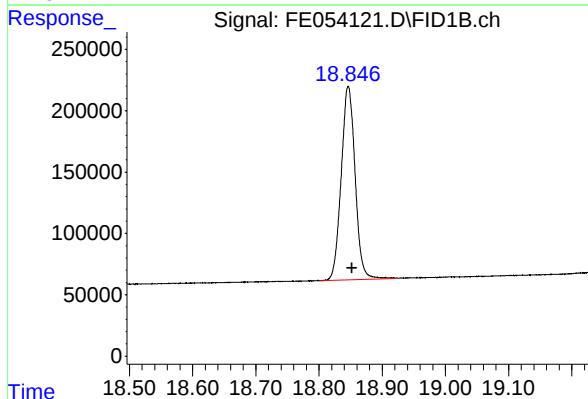
#17 n-Tricontane (C30)

R.T.: 18.012 min
Delta R.T.: -0.005 min
Response: 2426329
Conc: 19.48 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

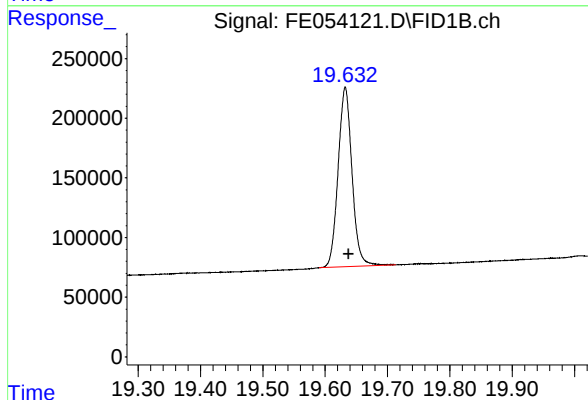
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



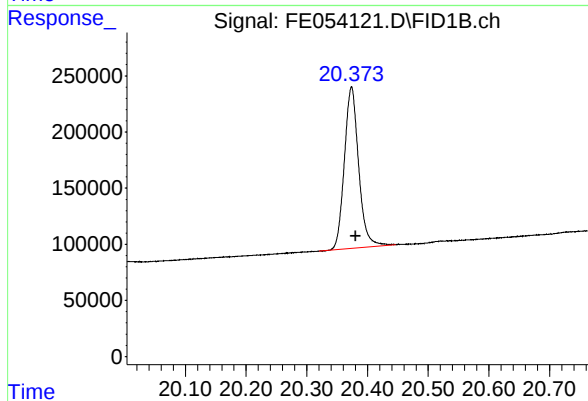
#18 n-Dotriacontane (C32)

R.T.: 18.846 min
Delta R.T.: -0.006 min
Response: 2411180
Conc: 19.28 ug/ml



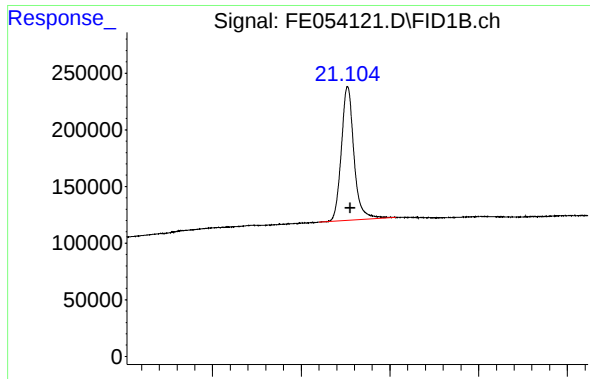
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.006 min
Response: 2330368
Conc: 19.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.374 min
Delta R.T.: -0.007 min
Response: 2345096
Conc: 20.25 ug/ml



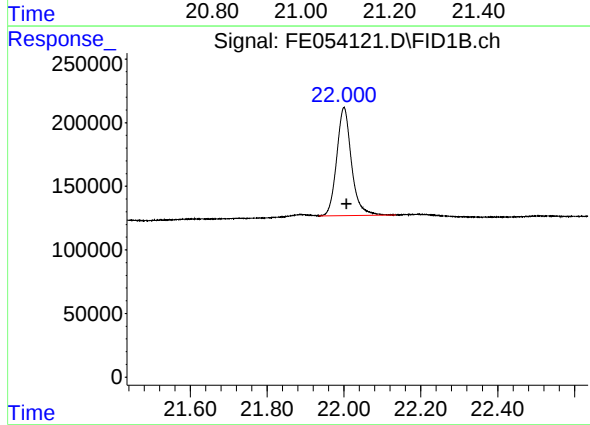
#21 n-Octatriacontane (C38)

R.T.: 21.104 min
Delta R.T.: -0.006 min
Response: 2336824
Conc: 21.47 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



#22 n-Tetracontane (C40)

R.T.: 22.000 min
Delta R.T.: -0.007 min
Response: 2271777
Conc: 22.89 ug/ml