

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061425AL\
 Data File : FE054386.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2025 16:51
 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 06/16/2025
 Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
 Quant Time: Jun 14 00:02:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.822	3084949	18.670 ug/ml
Spiked Amount 50.000		Recovery =	37.34%
12) S 1-chlorooctadecane (S...	13.267	2322691	19.046 ug/ml
Spiked Amount 50.000		Recovery =	38.09%
Target Compounds			
1) T n-Nonane (C9)	3.172	2185132	17.597 ug/ml
2) T n-Decane (C10)	4.436	2196126	17.675 ug/ml
3) T A~Naphthalene (C11.7)	6.152	2464436	18.236 ug/ml
4) T n-Dodecane (C12)	6.617	2278722	17.896 ug/ml
5) T A~2-methylnaphthalene...	7.254	2443278	18.446 ug/ml
6) T n-Tetradecane (C14)	8.451	2330095	17.998 ug/ml
7) T n-Hexadecane (C16)	10.063	2414087	18.173 ug/ml
8) T n-Octadecane (C18)	11.509	2489144	18.434 ug/ml
10) T n-Eicosane (C20)	12.821	2498893	18.680 ug/ml
11) T n-Heneicosane (C21)	13.434	2506738	18.852 ug/ml
13) T n-Docosane (C22)	14.022	2489035	18.983 ug/ml
14) T n-Tetracosane (C24)	15.126	2492709	19.324 ug/ml
15) T n-Hexacosane (C26)	16.148	2435803	19.404 ug/ml
16) T n-Octacosane (C28)	17.101	2391562	19.502 ug/ml
17) T n-Tricontane (C30)	17.989	2469246	19.923 ug/mlm
18) T n-Dotriacontane (C32)	18.822	2515767	20.023 ug/ml
19) T n-Tetratriacontane (C34)	19.606	2463389	19.801 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	2505644	19.464 ug/mlm
21) T n-Octatriacontane (C38)	21.074	2529406	19.156 ug/mlm
22) T n-Tetracontane (C40)	21.960	2569044	19.071 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061425AL\
Data File : FE054386.D
Signal(s) : FID1B.ch
Acq On : 13 Jun 2025 16:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

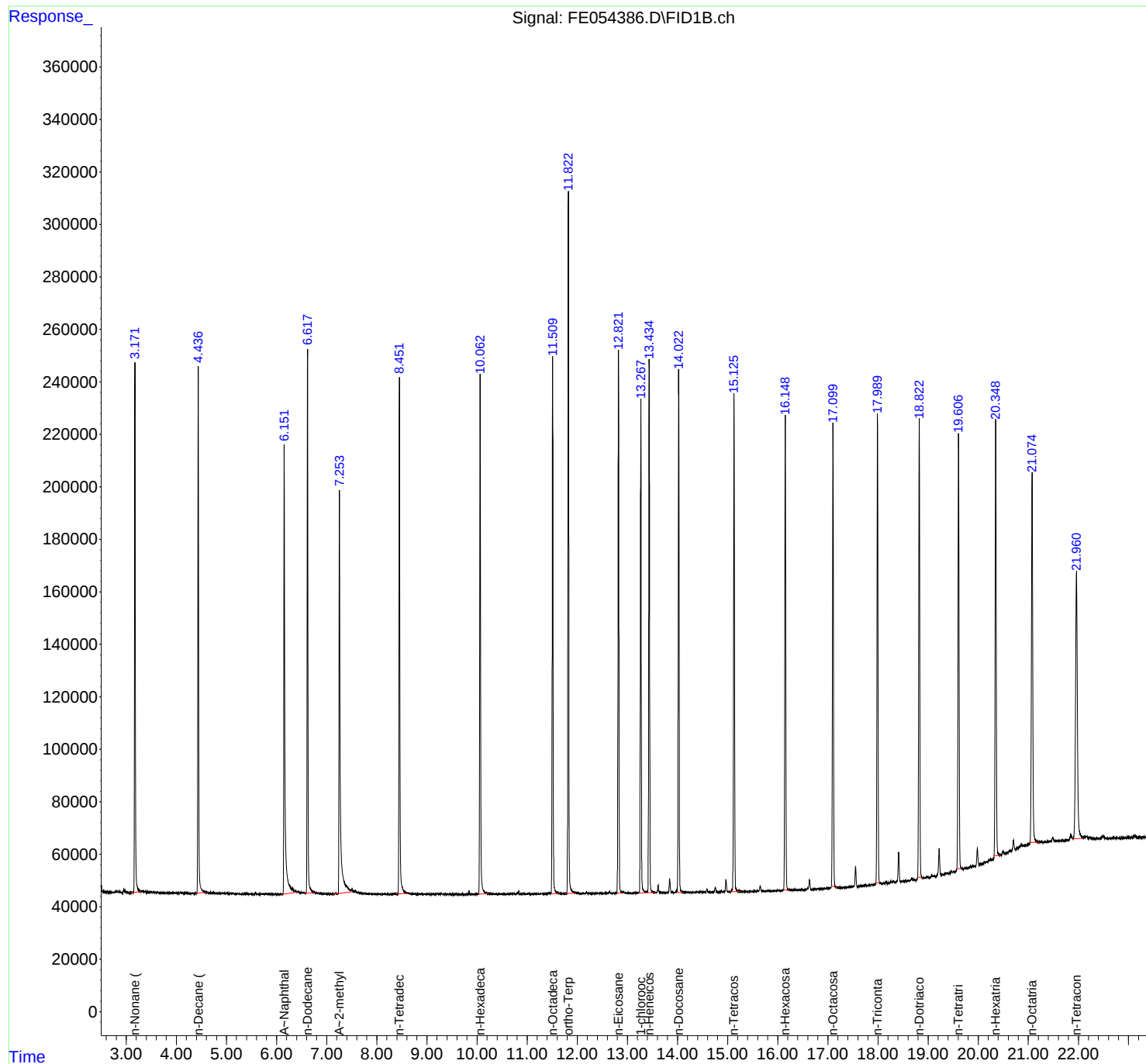
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

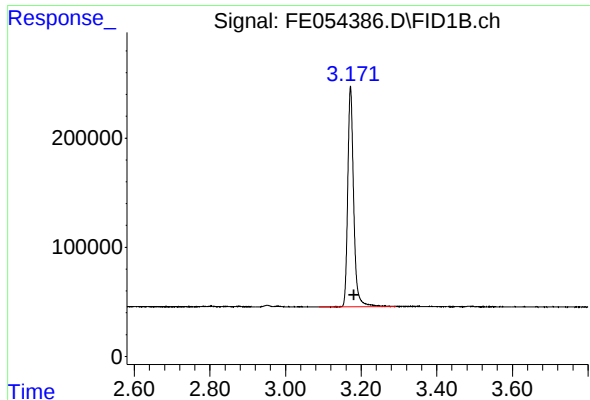
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
Quant Time: Jun 14 00:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





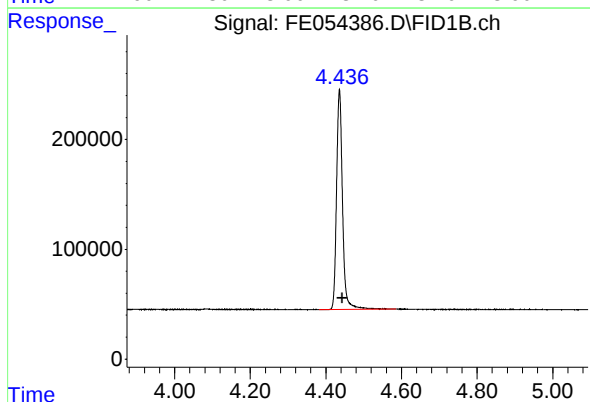
#1 n-Nonane (C9)

R.T.: 3.172 min
Delta R.T.: -0.009 min
Response: 2185132
Conc: 17.60 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

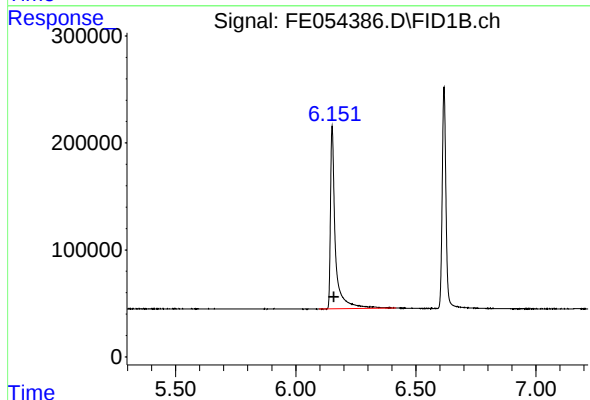
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



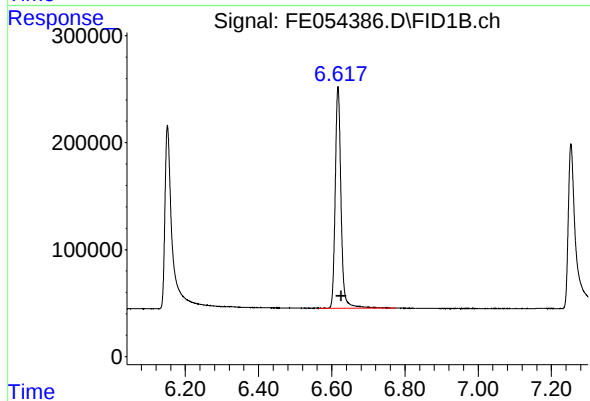
#2 n-Decane (C10)

R.T.: 4.436 min
Delta R.T.: -0.008 min
Response: 2196126
Conc: 17.67 ug/ml



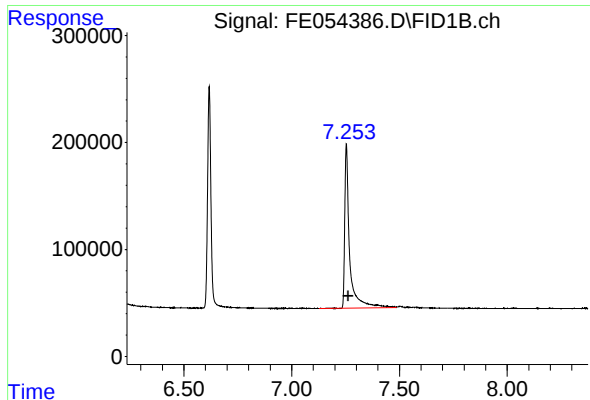
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.009 min
Response: 2464436
Conc: 18.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.009 min
Response: 2278722
Conc: 17.90 ug/ml



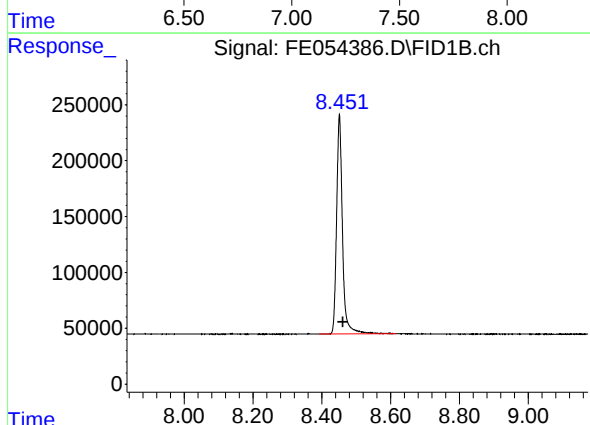
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 2443278
Conc: 18.45 ug/ml

Instrument : FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

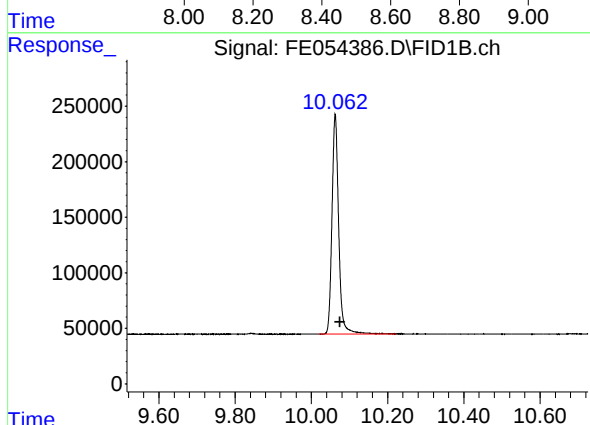
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



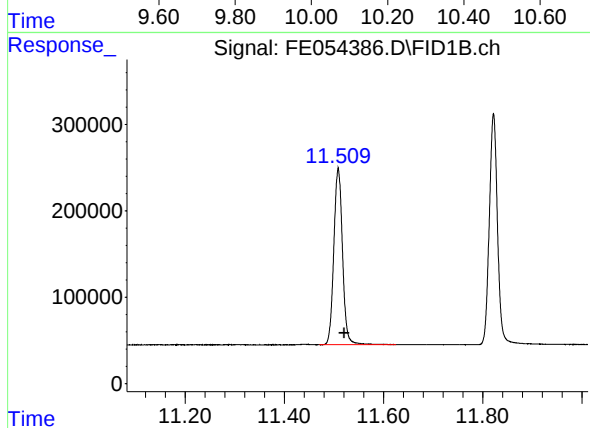
#6 n-Tetradecane (C14)

R.T.: 8.451 min
Delta R.T.: -0.010 min
Response: 2330095
Conc: 18.00 ug/ml



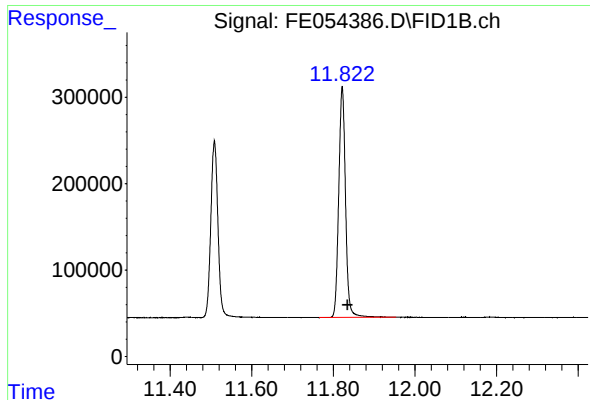
#7 n-Hexadecane (C16)

R.T.: 10.063 min
Delta R.T.: -0.012 min
Response: 2414087
Conc: 18.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: -0.012 min
Response: 2489144
Conc: 18.43 ug/ml



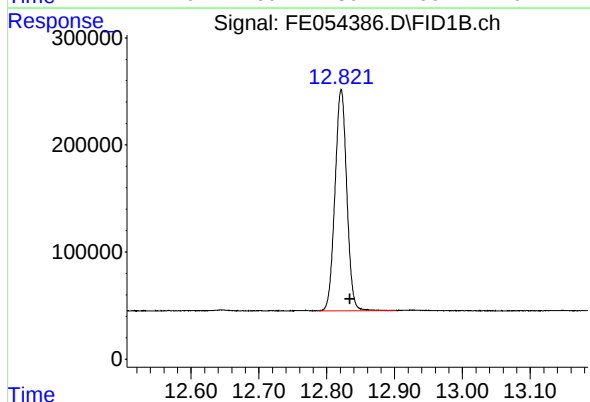
#9 ortho-Terphenyl (SURR)

R.T.: 11.822 min
Delta R.T.: -0.013 min
Response: 3084949
Conc: 18.67 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

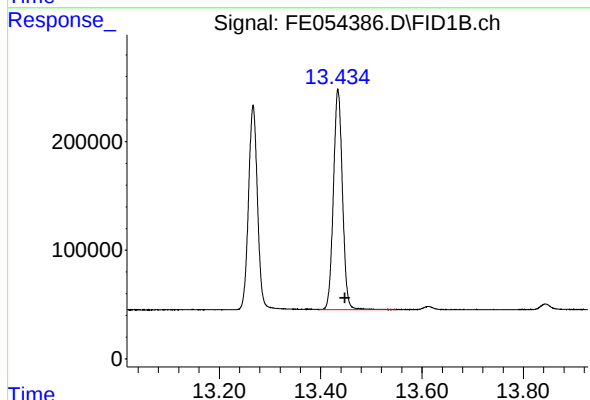
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



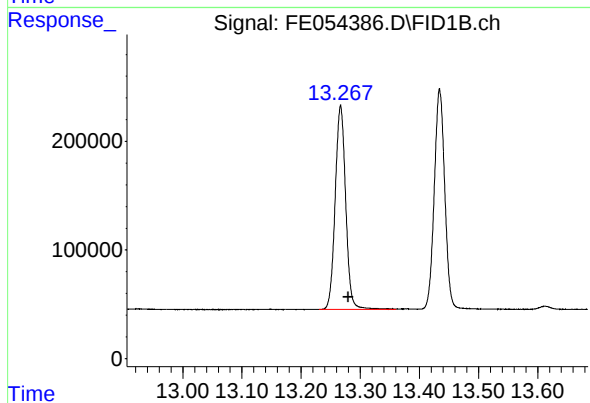
#10 n-Eicosane (C20)

R.T.: 12.821 min
Delta R.T.: -0.013 min
Response: 2498893
Conc: 18.68 ug/ml



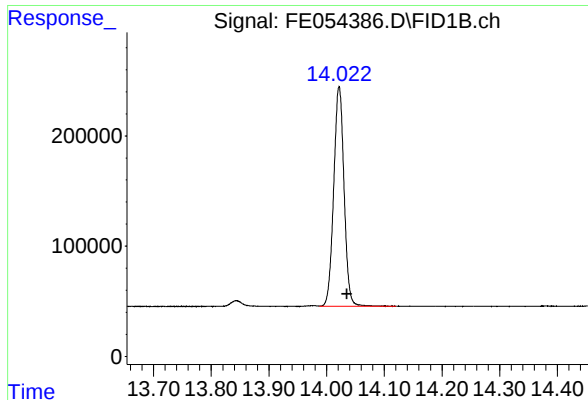
#11 n-Heneicosane (C21)

R.T.: 13.434 min
Delta R.T.: -0.013 min
Response: 2506738
Conc: 18.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.267 min
Delta R.T.: -0.013 min
Response: 2322691
Conc: 19.05 ug/ml



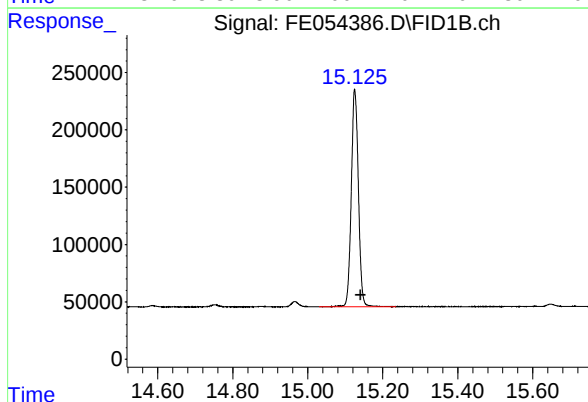
#13 n-Docosane (C22)

R.T.: 14.022 min
Delta R.T.: -0.014 min
Response: 2489035
Conc: 18.98 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

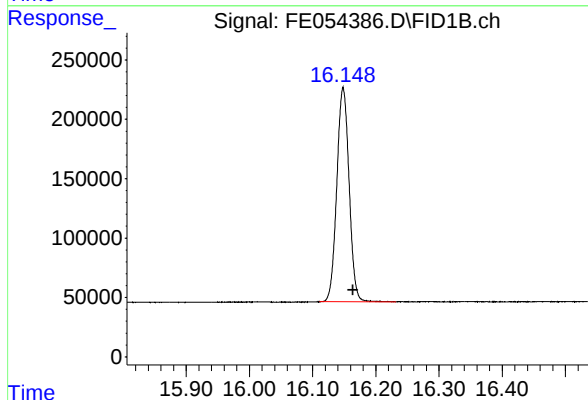
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



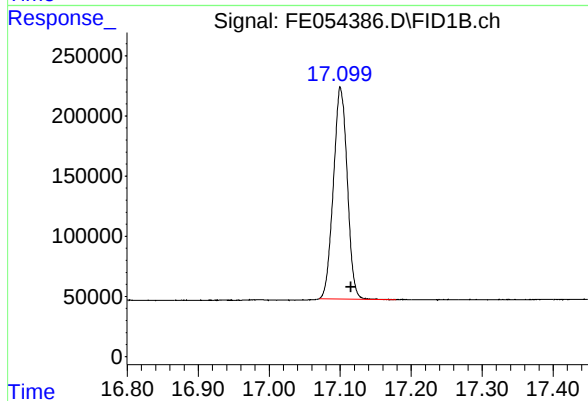
#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.016 min
Response: 2492709
Conc: 19.32 ug/ml



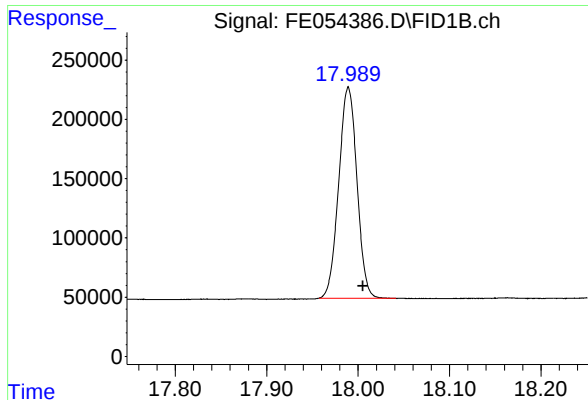
#15 n-Hexacosane (C26)

R.T.: 16.148 min
Delta R.T.: -0.016 min
Response: 2435803
Conc: 19.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.015 min
Response: 2391562
Conc: 19.50 ug/ml



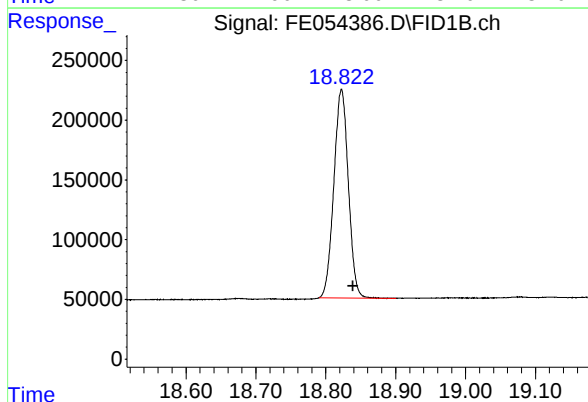
#17 n-Tricontane (C30)

R.T.: 17.989 min
Delta R.T.: -0.016 min
Response: 2469246
Conc: 19.92 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

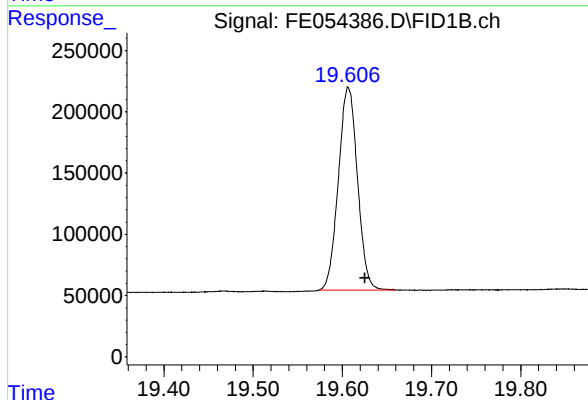
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



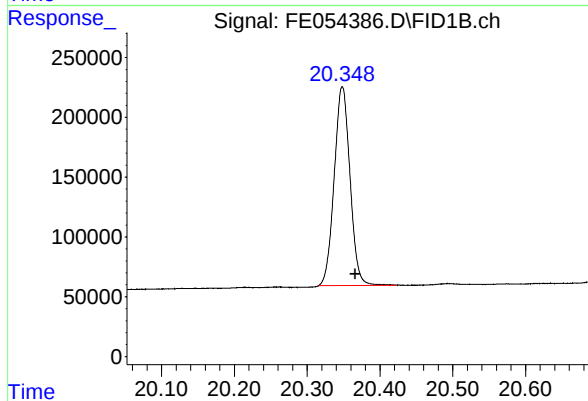
#18 n-Dotriacontane (C32)

R.T.: 18.822 min
Delta R.T.: -0.016 min
Response: 2515767
Conc: 20.02 ug/ml



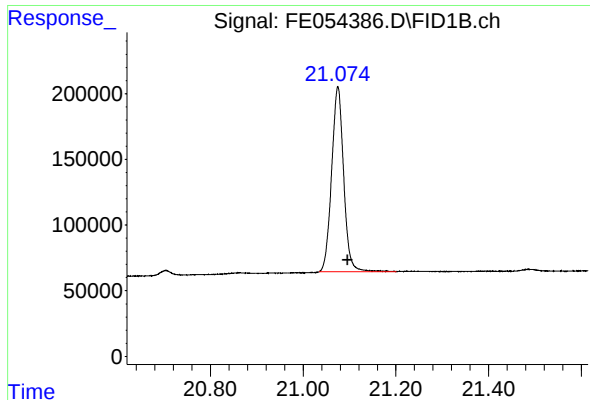
#19 n-Tetratriacontane (C34)

R.T.: 19.606 min
Delta R.T.: -0.019 min
Response: 2463389
Conc: 19.80 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.018 min
Response: 2505644
Conc: 19.46 ug/ml m



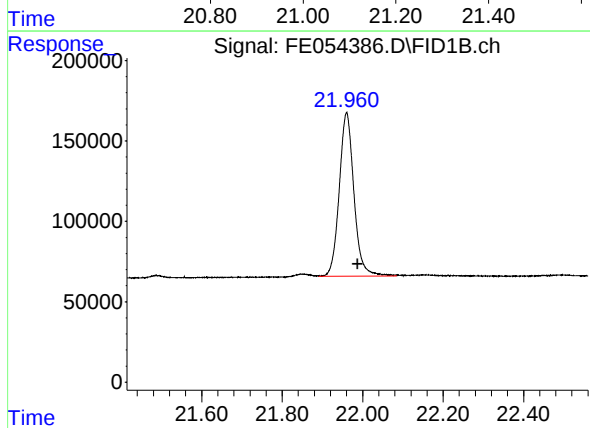
#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.021 min
Response: 2529406
Conc: 19.16 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.028 min
Response: 2569044
Conc: 19.07 ug/ml m