

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062625AL\
 Data File : FE054594.D
 Signal(s) : FID1B.ch
 Acq On : 26 Jun 2025 07:22
 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 06/27/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
 Quant Time: Jun 26 07:54:21 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)	11.820	3410965	20.643 ug/ml
Spiked Amount 50.000		Recovery =	41.29%
12) S 1-chlorooctadecane (S...	13.265	2448539	20.078 ug/ml
Spiked Amount 50.000		Recovery =	40.16%
Target Compounds			
1) T n-Nonane (C9)	3.170	2570525	20.700 ug/ml
2) T n-Decane (C10)	4.432	2676569	21.541 ug/ml
3) T A~Naphthalene (C11.7)	6.148	2838914	21.007 ug/ml
4) T n-Dodecane (C12)	6.614	2765490	21.719 ug/ml
5) T A~2-methylnaphthalene...	7.250	2876983	21.721 ug/ml
6) T n-Tetradecane (C14)	8.448	2812337	21.723 ug/ml
7) T n-Hexadecane (C16)	10.060	2816326	21.201 ug/ml
8) T n-Octadecane (C18)	11.506	2838837	21.023 ug/ml
10) T n-Eicosane (C20)	12.819	2783359	20.806 ug/ml
11) T n-Heneicosane (C21)	13.433	2757036	20.735 ug/ml
13) T n-Docosane (C22)	14.020	2740459	20.900 ug/ml
14) T n-Tetracosane (C24)	15.125	2734098	21.196 ug/ml
15) T n-Hexacosane (C26)	16.148	2684510	21.386 ug/ml
16) T n-Octacosane (C28)	17.100	2670083	21.773 ug/ml
17) T n-Tricontane (C30)	17.989	2845443	22.958 ug/ml
18) T n-Dotriacontane (C32)	18.824	2972363	23.657 ug/ml
19) T n-Tetratriacontane (C34)	19.610	2727537	21.924 ug/ml
20) T n-Hexatriacontane (C36)	20.352	2659608	20.660 ug/ml
21) T n-Octatriacontane (C38)	21.078	2612794	19.788 ug/ml
22) T n-Tetracontane (C40)	21.963	2489910	18.484 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062625AL\
Data File : FE054594.D
Signal(s) : FID1B.ch
Acq On : 26 Jun 2025 07:22
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

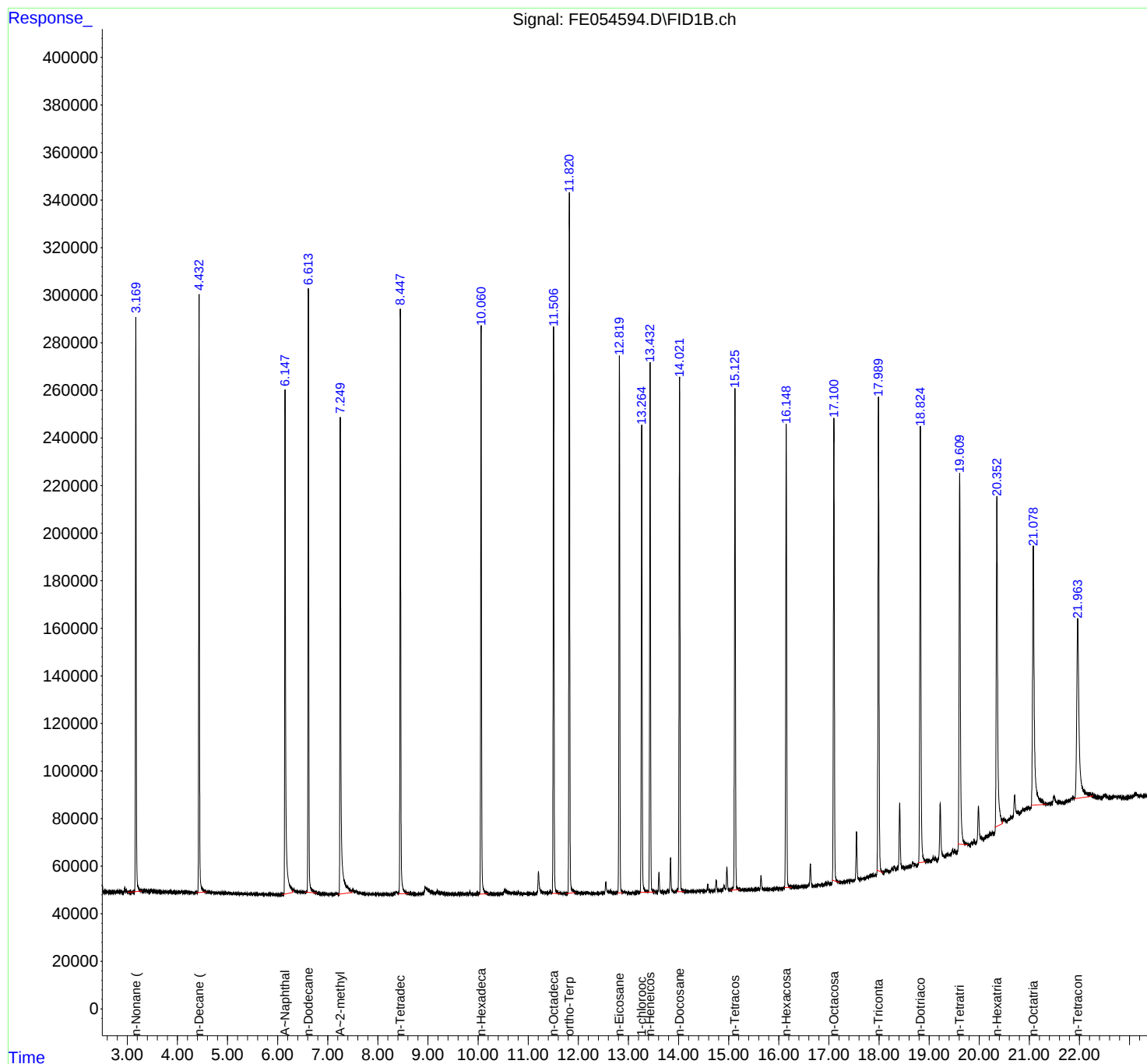
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

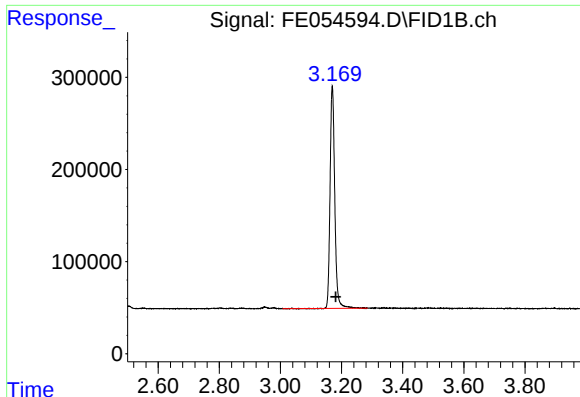
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2025
Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
Quant Time: Jun 26 07:54:21 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





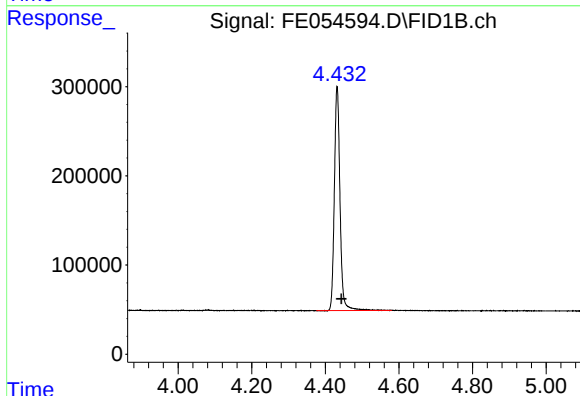
#1 n-Nonane (C9)

R.T.: 3.170 min
Delta R.T.: -0.011 min
Response: 2570525
Conc: 20.70 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

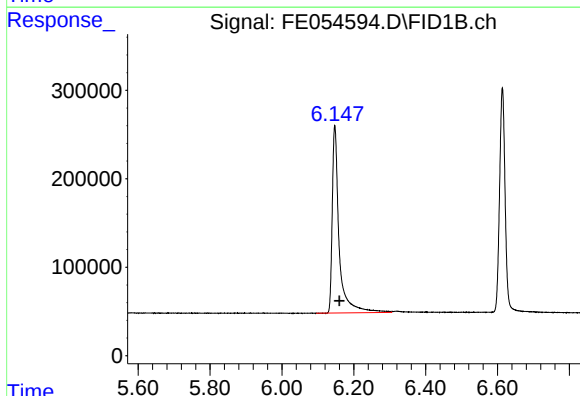
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2025
Supervised By :mohammad ahmed 06/30/2025



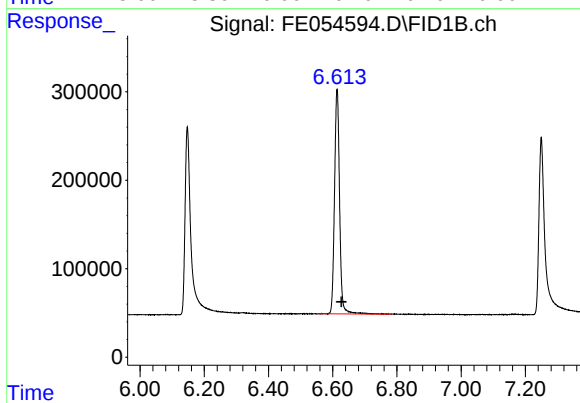
#2 n-Decane (C10)

R.T.: 4.432 min
Delta R.T.: -0.012 min
Response: 2676569
Conc: 21.54 ug/ml



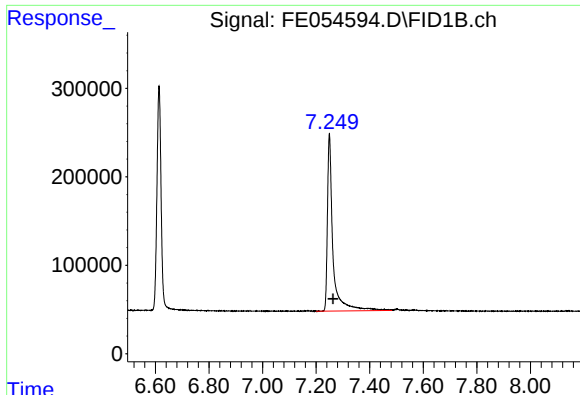
#3 A~Naphthalene (C11.7)

R.T.: 6.148 min
Delta R.T.: -0.013 min
Response: 2838914
Conc: 21.01 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.614 min
Delta R.T.: -0.013 min
Response: 2765490
Conc: 21.72 ug/ml



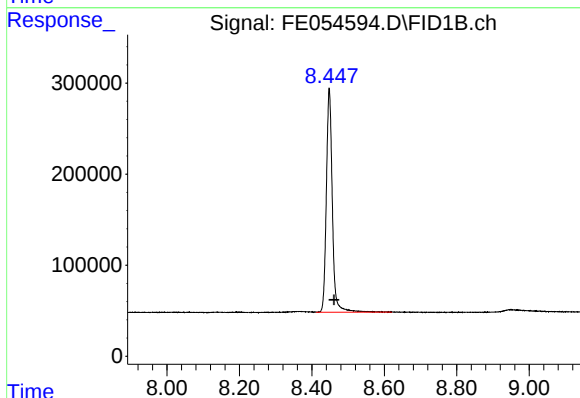
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.250 min
Delta R.T.: -0.013 min
Response: 2876983
Conc: 21.72 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

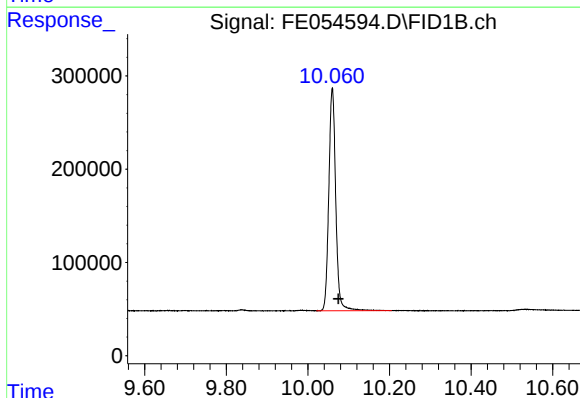
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2025
Supervised By :mohammad ahmed 06/30/2025



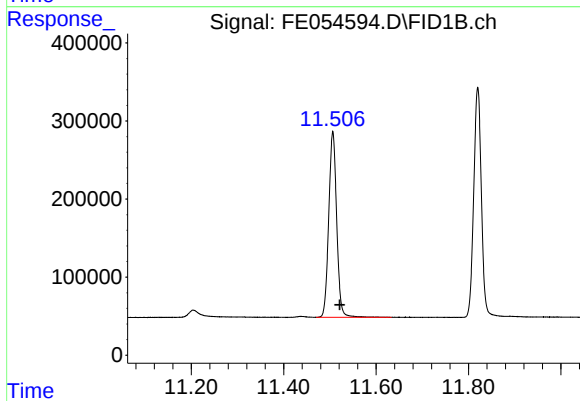
#6 n-Tetradecane (C14)

R.T.: 8.448 min
Delta R.T.: -0.013 min
Response: 2812337
Conc: 21.72 ug/ml



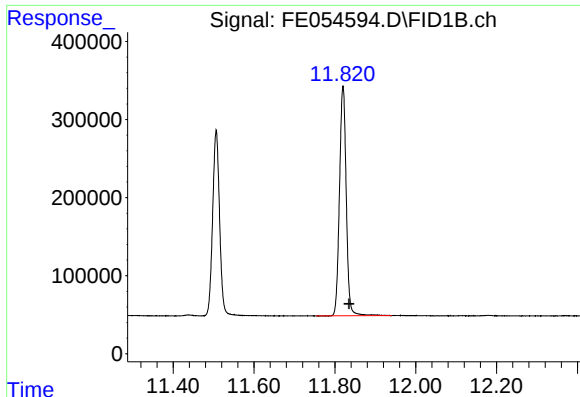
#7 n-Hexadecane (C16)

R.T.: 10.060 min
Delta R.T.: -0.015 min
Response: 2816326
Conc: 21.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.506 min
Delta R.T.: -0.015 min
Response: 2838837
Conc: 21.02 ug/ml



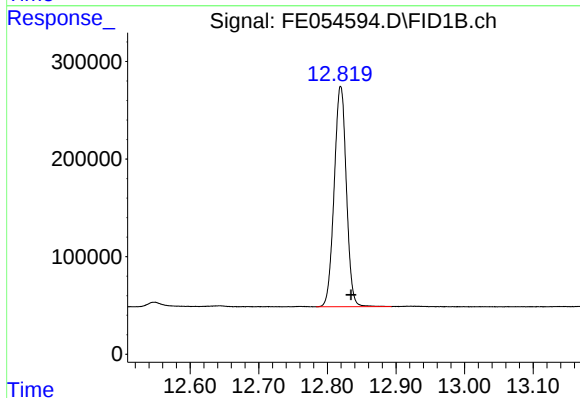
#9 ortho-Terphenyl (SURR)

R.T.: 11.820 min
Delta R.T.: -0.015 min
Response: 3410965
Conc: 20.64 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

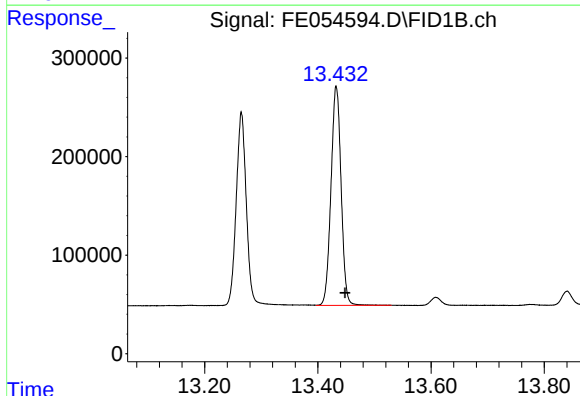
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2025
Supervised By :mohammad ahmed 06/30/2025



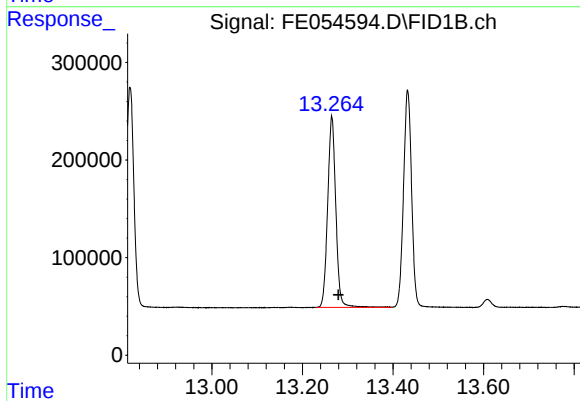
#10 n-Eicosane (C20)

R.T.: 12.819 min
Delta R.T.: -0.015 min
Response: 2783359
Conc: 20.81 ug/ml



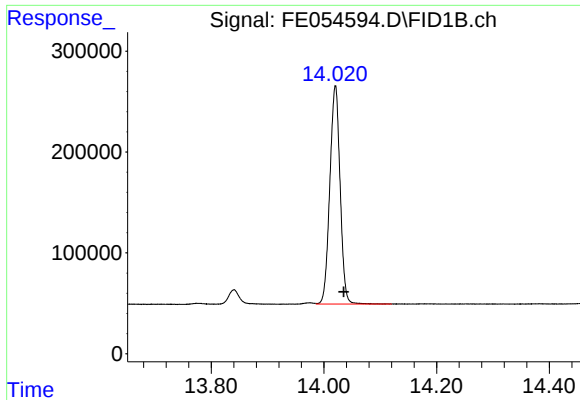
#11 n-Heneicosane (C21)

R.T.: 13.433 min
Delta R.T.: -0.015 min
Response: 2757036
Conc: 20.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.265 min
Delta R.T.: -0.015 min
Response: 2448539
Conc: 20.08 ug/ml



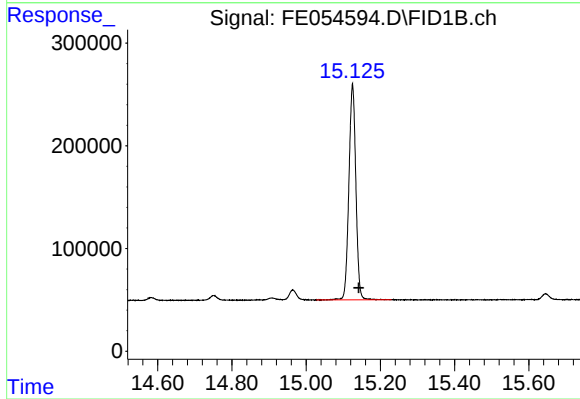
#13 n-Docosane (C22)

R.T.: 14.020 min
Delta R.T.: -0.015 min
Response: 2740459
Conc: 20.90 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

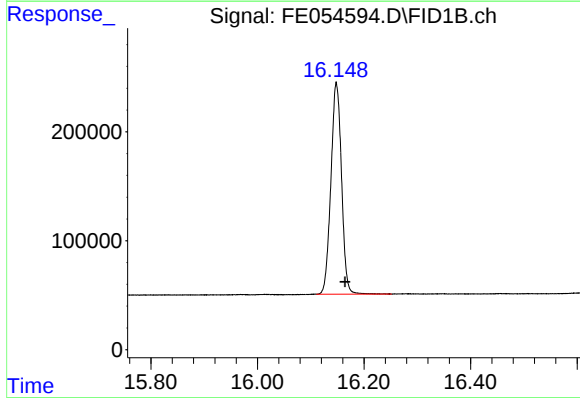
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2025
Supervised By :mohammad ahmed 06/30/2025



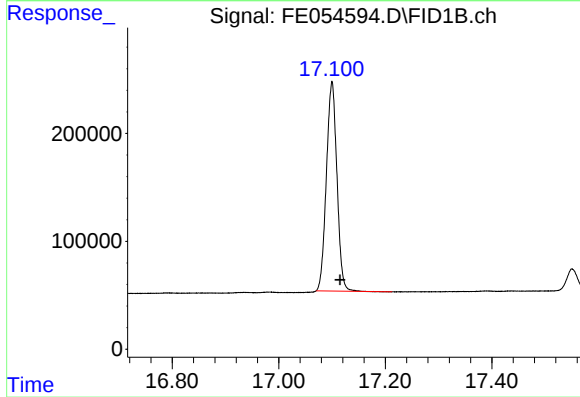
#14 n-Tetracosane (C24)

R.T.: 15.125 min
Delta R.T.: -0.016 min
Response: 2734098
Conc: 21.20 ug/ml



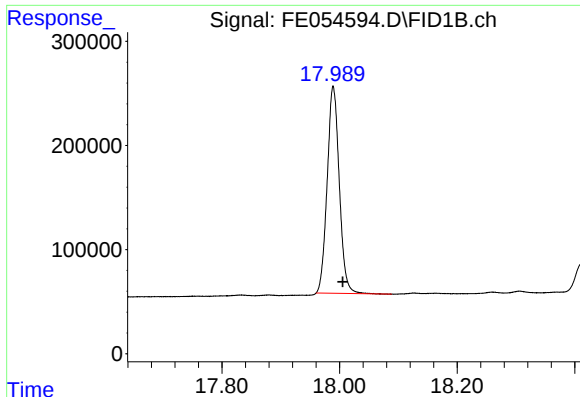
#15 n-Hexacosane (C26)

R.T.: 16.148 min
Delta R.T.: -0.016 min
Response: 2684510
Conc: 21.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.015 min
Response: 2670083
Conc: 21.77 ug/ml



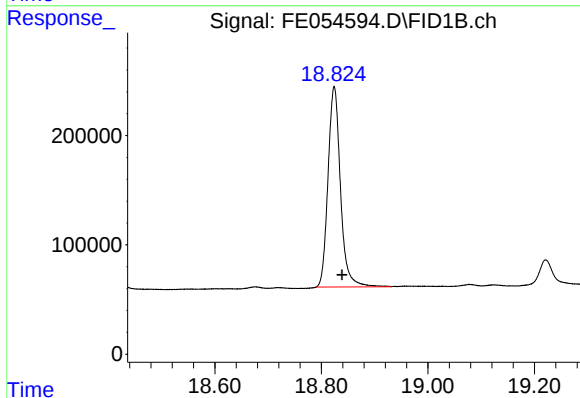
#17 n-Tricontane (C30)

R.T.: 17.989 min
Delta R.T.: -0.016 min
Response: 2845443
Conc: 22.96 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

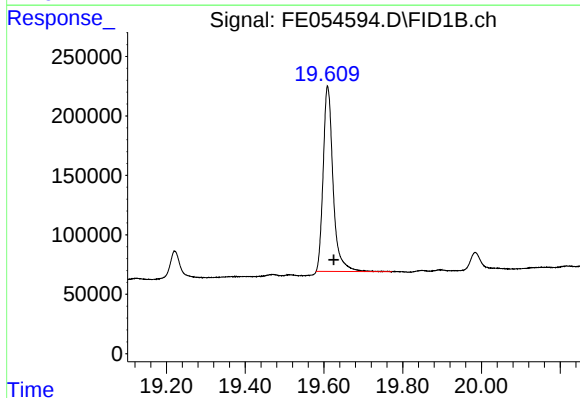
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2025
Supervised By :mohammad ahmed 06/30/2025



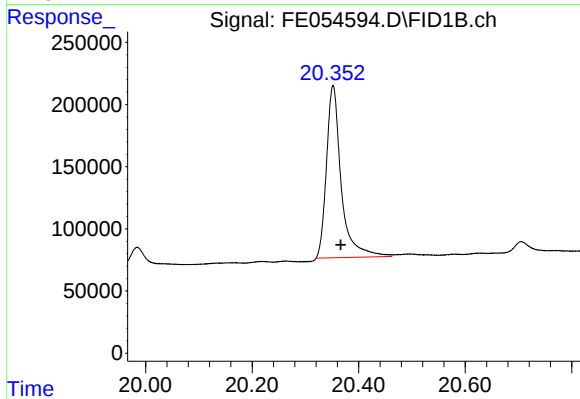
#18 n-Dotriacontane (C32)

R.T.: 18.824 min
Delta R.T.: -0.015 min
Response: 2972363
Conc: 23.66 ug/ml



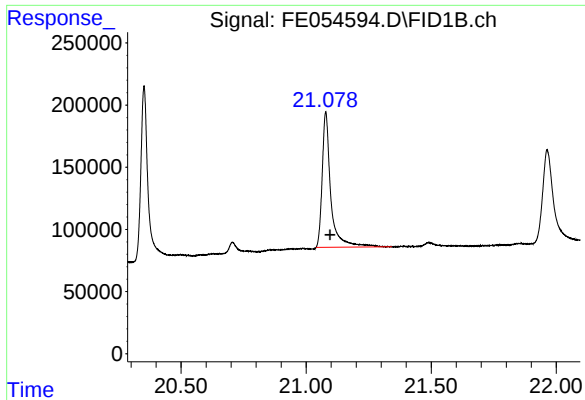
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.016 min
Response: 2727537
Conc: 21.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.014 min
Response: 2659608
Conc: 20.66 ug/ml



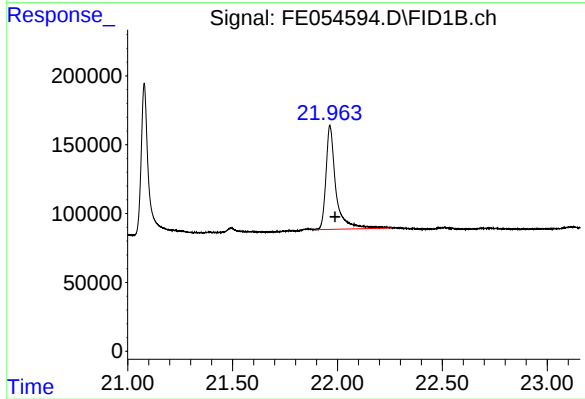
#21 n-Octatriacontane (C38)

R.T.: 21.078 min
Delta R.T.: -0.017 min
Response: 2612794
Conc: 19.79 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2025
Supervised By :mohammad ahmed 06/30/2025



#22 n-Tetracontane (C40)

R.T.: 21.963 min
Delta R.T.: -0.025 min
Response: 2489910
Conc: 18.48 ug/ml m