

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062325AL\
 Data File : FE054538.D
 Signal(s) : FID1B.ch
 Acq On : 23 Jun 2025 13:31
 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 06/24/2025
 Supervised By :mohammad ahmed 06/25/2025

Integration File: autoint1.e
 Quant Time: Jun 24 03:06:47 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)	11.823	2946452	17.832 ug/ml
Spiked Amount 50.000		Recovery =	35.66%
12) S 1-chlorooctadecane (S...	13.267	2151489	17.643 ug/ml
Spiked Amount 50.000		Recovery =	35.29%
Target Compounds			
1) T n-Nonane (C9)	3.171	2116591	17.045 ug/ml
2) T n-Decane (C10)	4.435	2179976	17.545 ug/ml
3) T A~Naphthalene (C11.7)	6.150	2279863	16.870 ug/ml
4) T n-Dodecane (C12)	6.617	2248441	17.658 ug/ml
5) T A~2-methylnaphthalene...	7.253	2265810	17.106 ug/ml
6) T n-Tetradecane (C14)	8.451	2262817	17.478 ug/ml
7) T n-Hexadecane (C16)	10.063	2332830	17.561 ug/ml
8) T n-Octadecane (C18)	11.509	2386255	17.672 ug/ml
10) T n-Eicosane (C20)	12.822	2381742	17.804 ug/ml
11) T n-Heneicosane (C21)	13.435	2371951	17.839 ug/ml
13) T n-Docosane (C22)	14.023	2377808	18.134 ug/ml
14) T n-Tetracosane (C24)	15.128	2398527	18.594 ug/ml
15) T n-Hexacosane (C26)	16.151	2360431	18.804 ug/ml
16) T n-Octacosane (C28)	17.103	2430495	19.820 ug/ml
17) T n-Tricontane (C30)	17.993	2700273	21.787 ug/ml
18) T n-Dotriacontane (C32)	18.827	2784639	22.163 ug/ml
19) T n-Tetratriacontane (C34)	19.613	2554256	20.531 ug/ml
20) T n-Hexatriacontane (C36)	20.354	2463589	19.137 ug/ml
21) T n-Octatriacontane (C38)	21.081	2360789	17.879 ug/ml
22) T n-Tetracontane (C40)	21.968	2178677	16.174 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062325AL\
Data File : FE054538.D
Signal(s) : FID1B.ch
Acq On : 23 Jun 2025 13:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

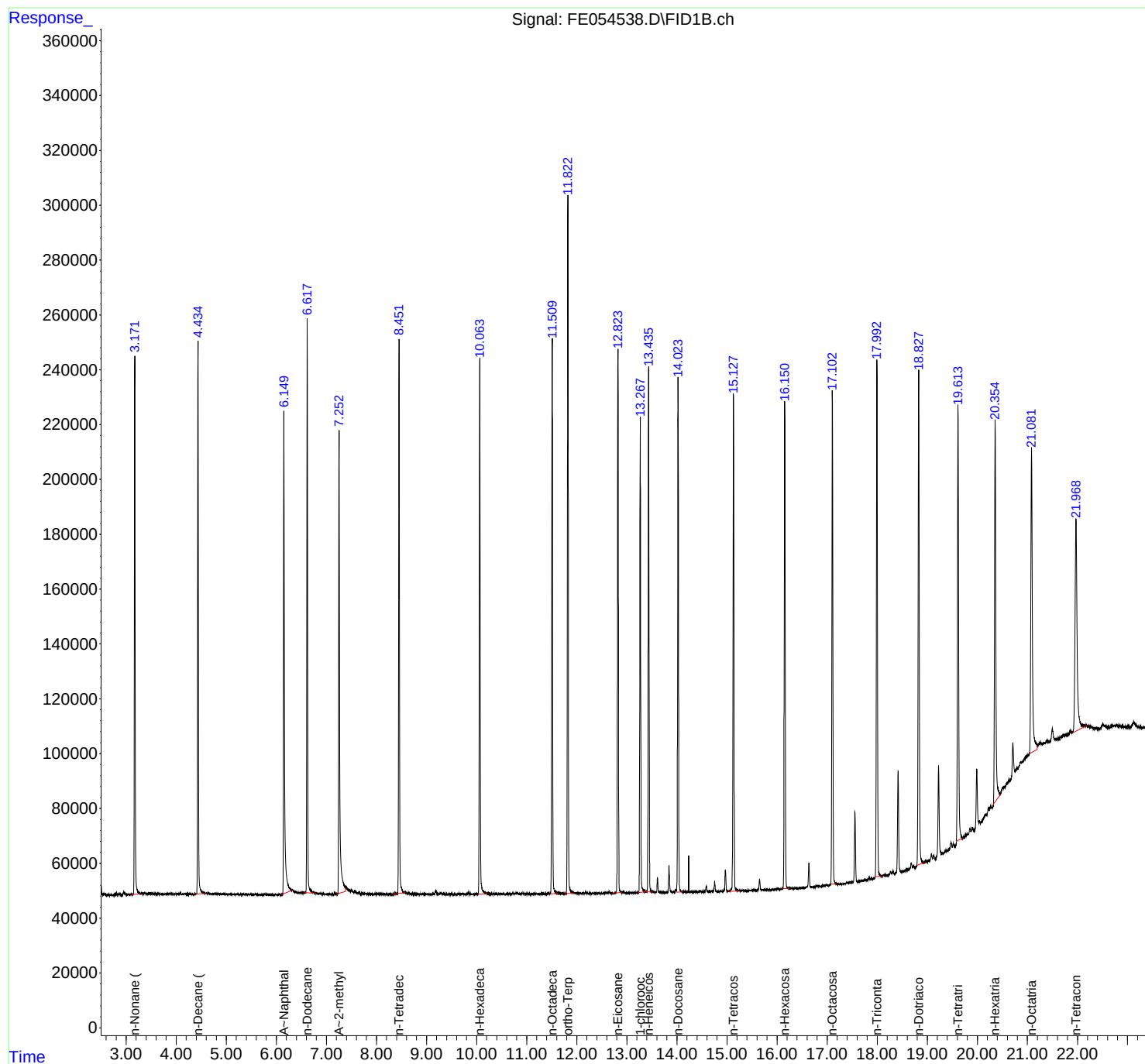
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

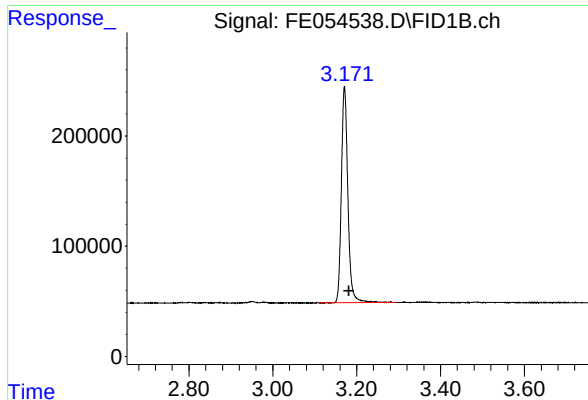
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2025
Supervised By :mohammad ahmed 06/25/2025

Integration File: autoint1.e
Quant Time: Jun 24 03:06:47 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





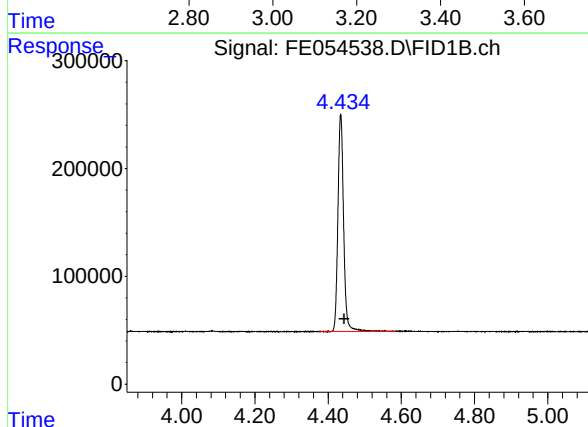
#1 n-Nonane (C9)

R.T.: 3.171 min
Delta R.T.: -0.010 min
Response: 2116591
Conc: 17.04 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

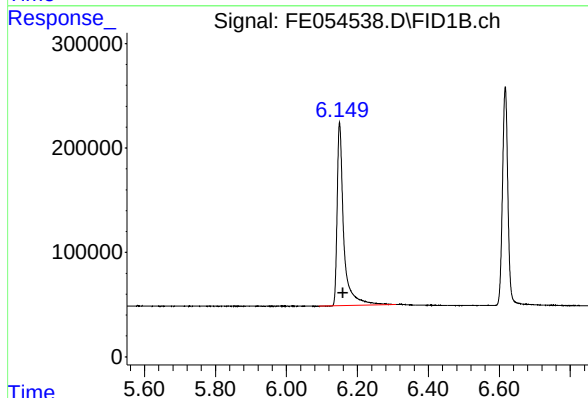
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



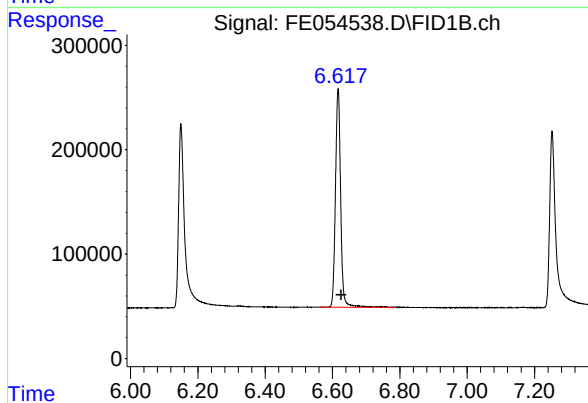
#2 n-Decane (C10)

R.T.: 4.435 min
Delta R.T.: -0.010 min
Response: 2179976
Conc: 17.54 ug/ml



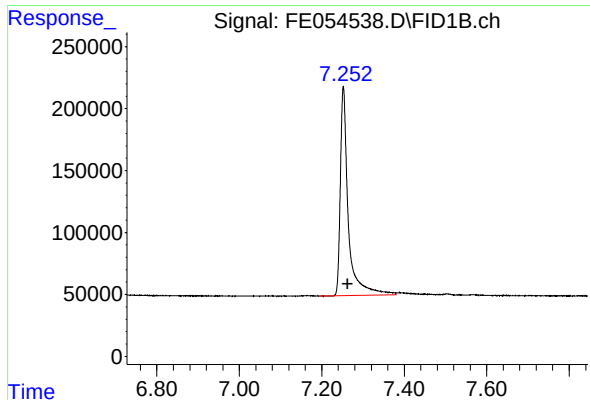
#3 A~Naphthalene (C11.7)

R.T.: 6.150 min
Delta R.T.: -0.010 min
Response: 2279863
Conc: 16.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.010 min
Response: 2248441
Conc: 17.66 ug/ml



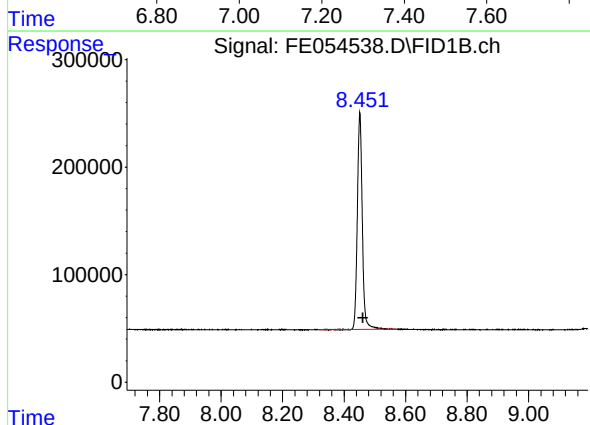
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.253 min
Delta R.T.: -0.010 min
Response: 2265810
Conc: 17.11 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

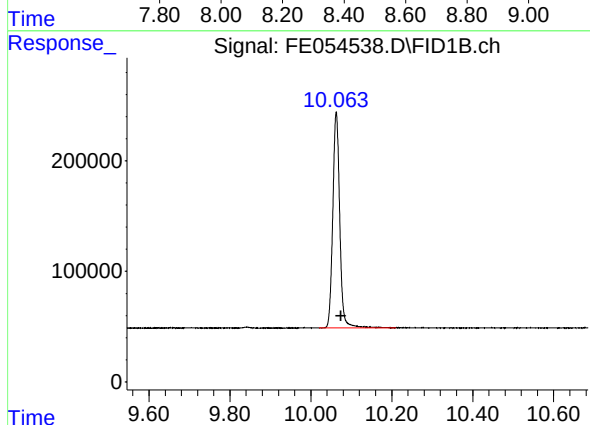
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



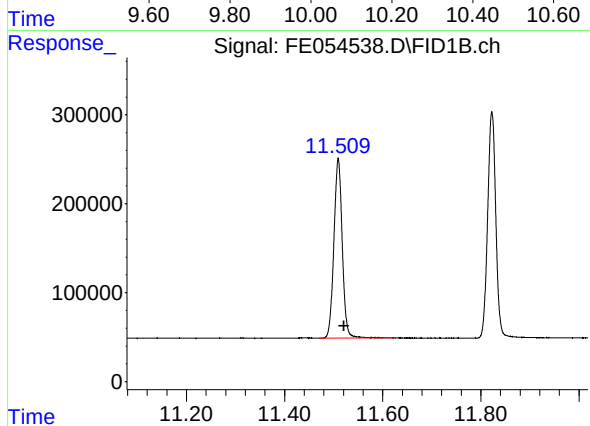
#6 n-Tetradecane (C14)

R.T.: 8.451 min
Delta R.T.: -0.010 min
Response: 2262817
Conc: 17.48 ug/ml



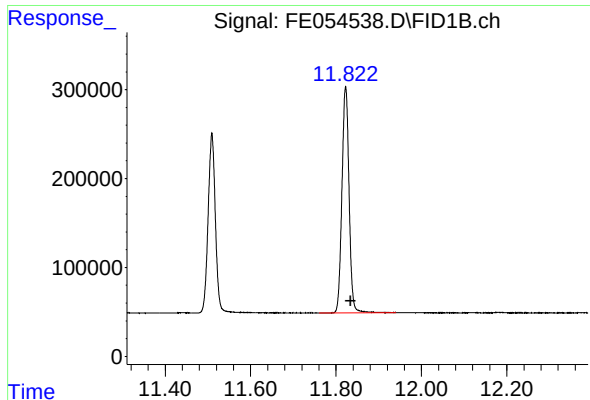
#7 n-Hexadecane (C16)

R.T.: 10.063 min
Delta R.T.: -0.012 min
Response: 2332830
Conc: 17.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: -0.012 min
Response: 2386255
Conc: 17.67 ug/ml



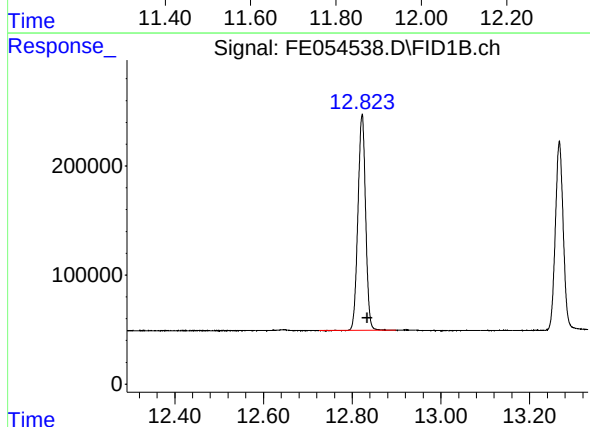
#9 ortho-Terphenyl (SURR)

R.T.: 11.823 min
Delta R.T.: -0.012 min
Response: 2946452
Conc: 17.83 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

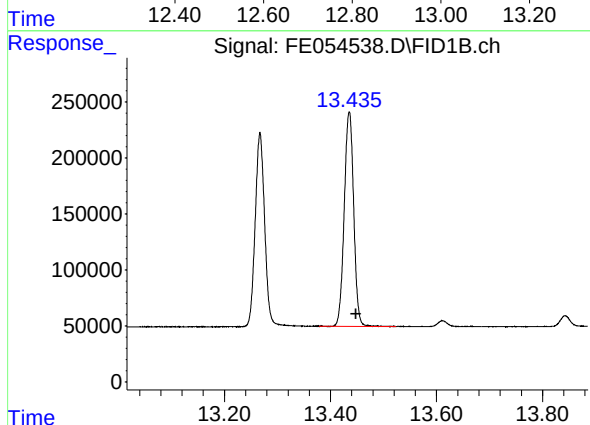
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



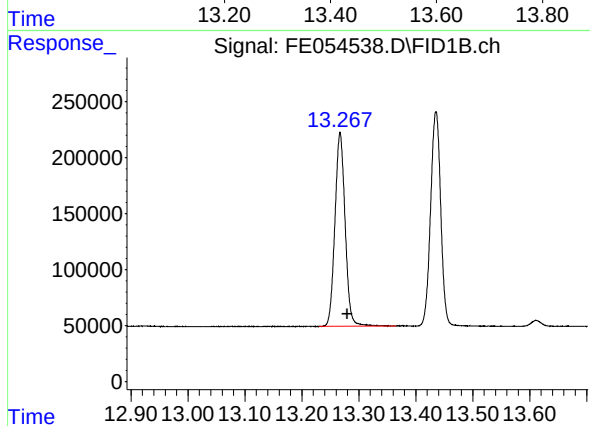
#10 n-Eicosane (C20)

R.T.: 12.822 min
Delta R.T.: -0.012 min
Response: 2381742
Conc: 17.80 ug/ml



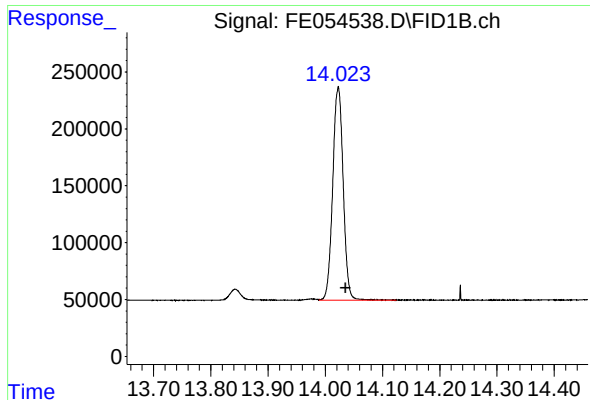
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: -0.012 min
Response: 2371951
Conc: 17.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.267 min
Delta R.T.: -0.012 min
Response: 2151489
Conc: 17.64 ug/ml



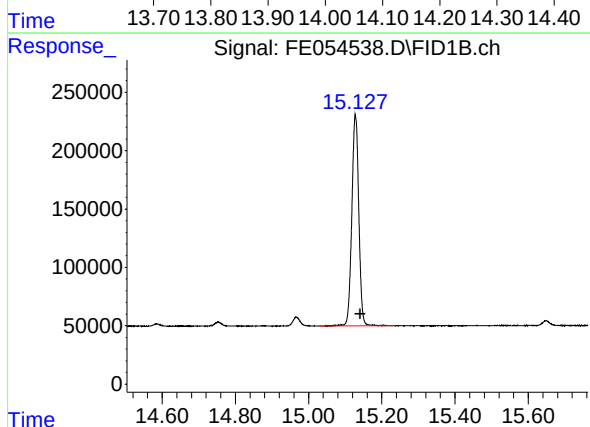
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.013 min
Response: 2377808
Conc: 18.13 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

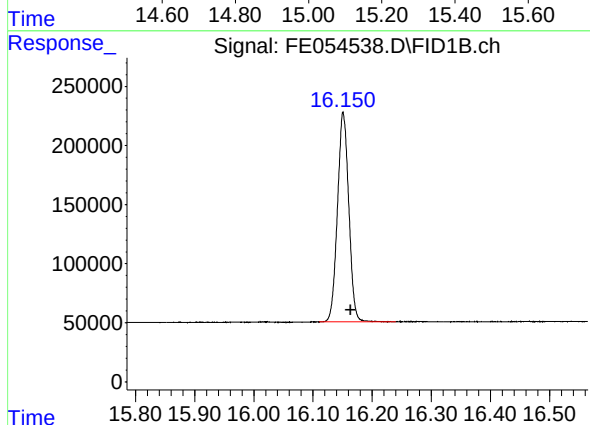
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



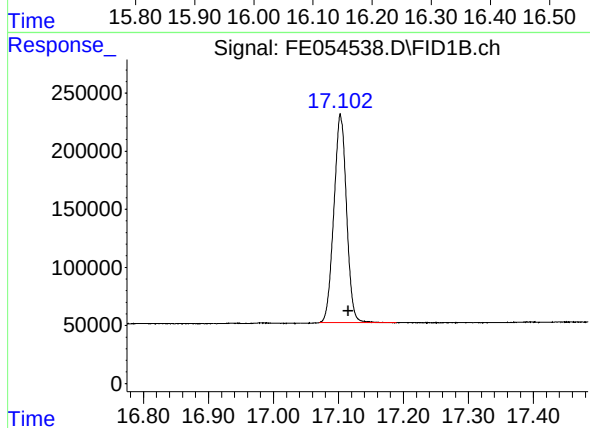
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.013 min
Response: 2398527
Conc: 18.59 ug/ml



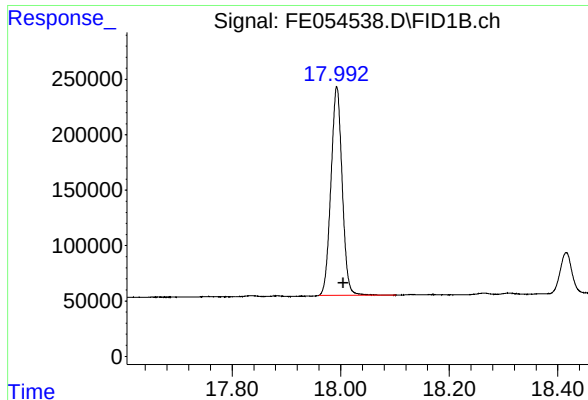
#15 n-Hexacosane (C26)

R.T.: 16.151 min
Delta R.T.: -0.013 min
Response: 2360431
Conc: 18.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.103 min
Delta R.T.: -0.012 min
Response: 2430495
Conc: 19.82 ug/ml



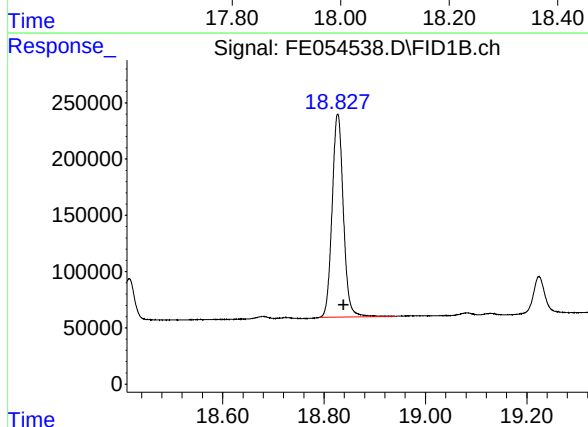
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 2700273
Conc: 21.79 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

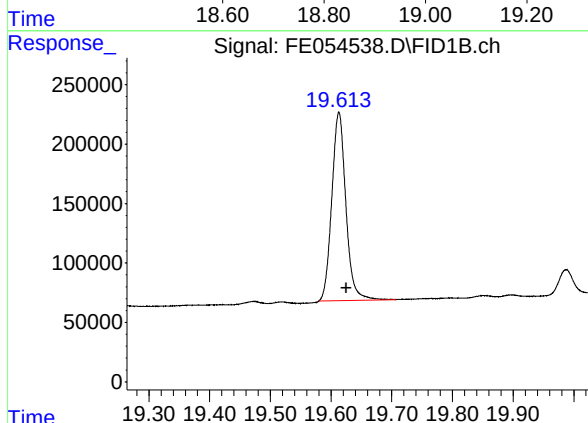
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



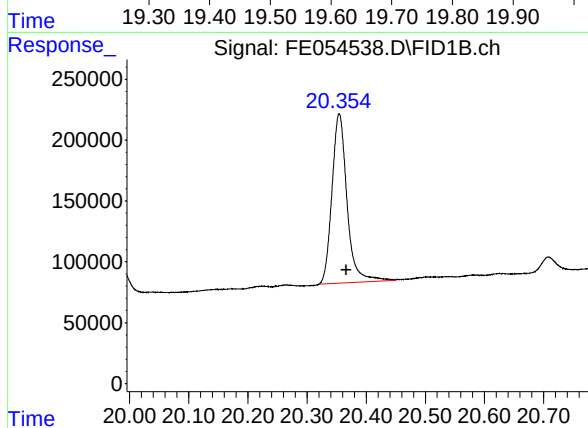
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 2784639
Conc: 22.16 ug/ml



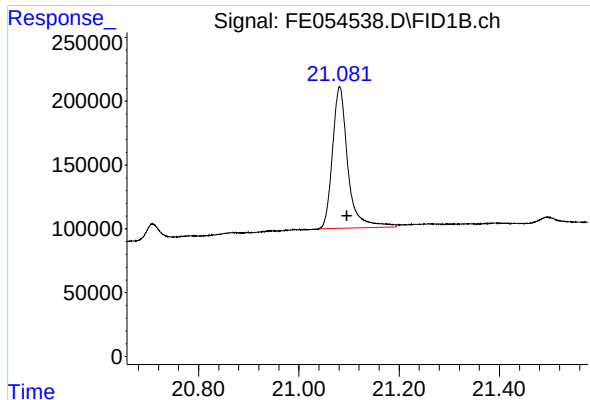
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 2554256
Conc: 20.53 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.012 min
Response: 2463589
Conc: 19.14 ug/ml



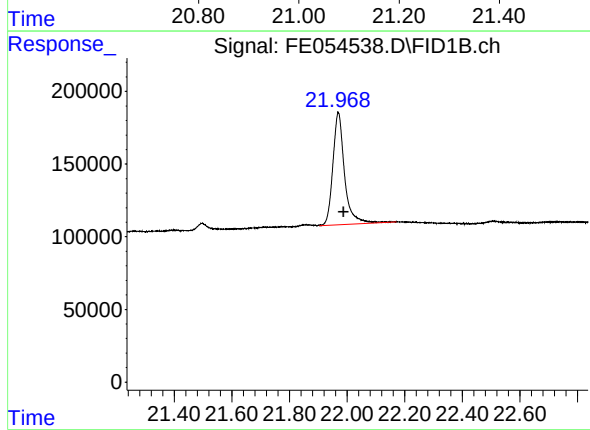
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.014 min
Response: 2360789
Conc: 17.88 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.020 min
Response: 2178677
Conc: 16.17 ug/ml m