

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
 Data File : FC069340.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2025 23:40
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/01/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File: autoint1.e
 Quant Time: Jul 01 05:06:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.676	3328551	19.267 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
12) S 1-chlorooctadecane (S...	13.111	2529589	19.363 ug/ml
Spiked Amount 50.000		Recovery =	38.73%
Target Compounds			
1) T n-Nonane (C9)	3.406	2991297	21.033 ug/ml
2) T n-Decane (C10)	4.479	3079667	21.037 ug/ml
3) T A~Naphthalene (C11.7)	6.074	3377869	20.994 ug/ml
4) T n-Dodecane (C12)	6.504	3116957	20.584 ug/ml
5) T A~2-methylnaphthalene...	7.134	3267917	20.650 ug/ml
6) T n-Tetradecane (C14)	8.304	3100898	20.005 ug/ml
7) T n-Hexadecane (C16)	9.909	3172818	19.416 ug/ml
8) T n-Octadecane (C18)	11.353	3141133	19.239 ug/ml
10) T n-Eicosane (C20)	12.665	2956239	19.367 ug/ml
11) T n-Heneicosane (C21)	13.278	2874850	19.505 ug/ml
13) T n-Docosane (C22)	13.865	2831081	19.676 ug/ml
14) T n-Tetracosane (C24)	14.971	2732822	19.813 ug/ml
15) T n-Hexacosane (C26)	15.995	2607679	19.948 ug/ml
16) T n-Octacosane (C28)	16.944	2490965	20.198 ug/ml
17) T n-Tricontane (C30)	17.834	2469385	20.771 ug/ml
18) T n-Dotriacontane (C32)	18.668	2339744	21.399 ug/ml
19) T n-Tetratriacontane (C34)	19.453	2100828	21.755 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1806356	21.918 ug/ml
21) T n-Octatriacontane (C38)	20.962	1650385	22.085 ug/ml
22) T n-Tetracontane (C40)	21.930	1561385	22.048 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069340.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 23:40
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

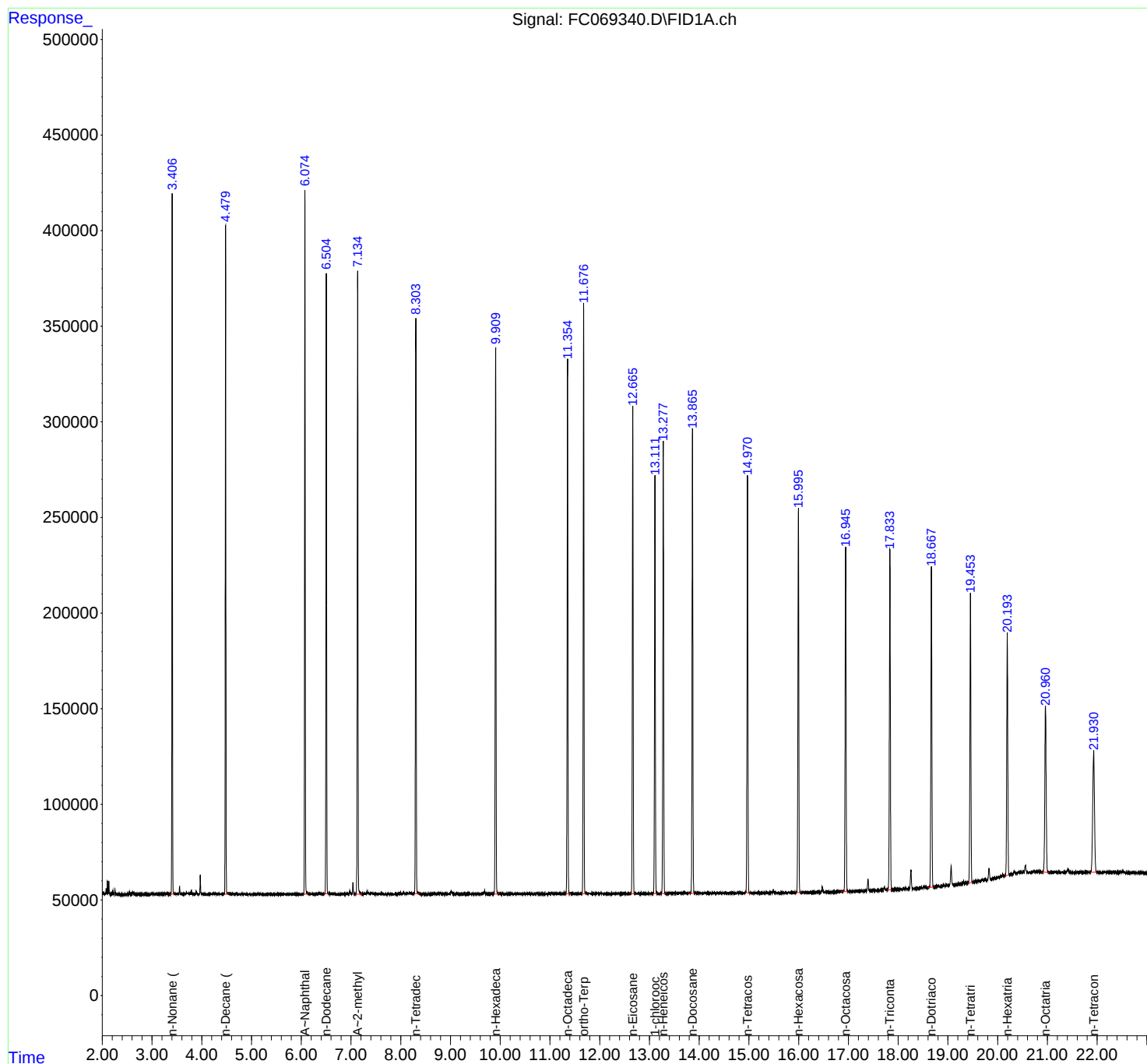
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

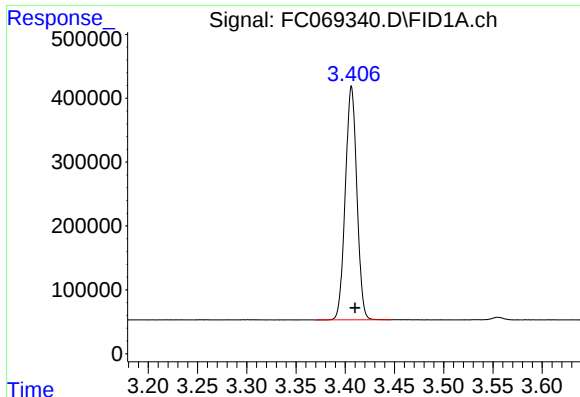
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

Integration File: autoint1.e
Quant Time: Jul 01 05:06:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





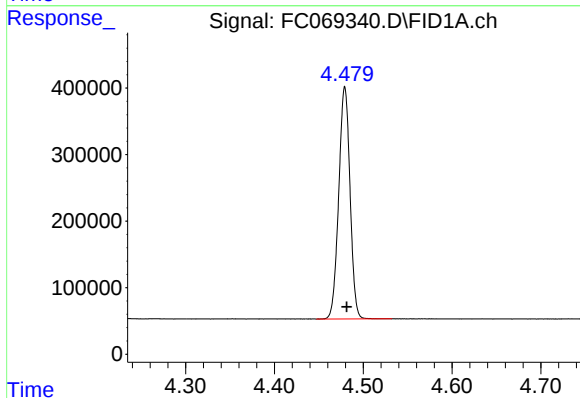
#1 n-Nonane (C9)

R.T.: 3.406 min
Delta R.T.: -0.004 min
Response: 2991297
Conc: 21.03 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

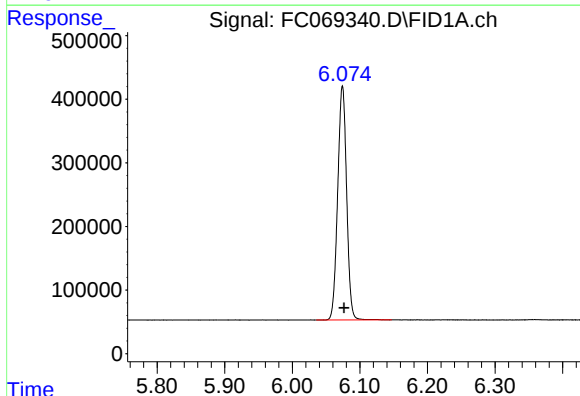
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025



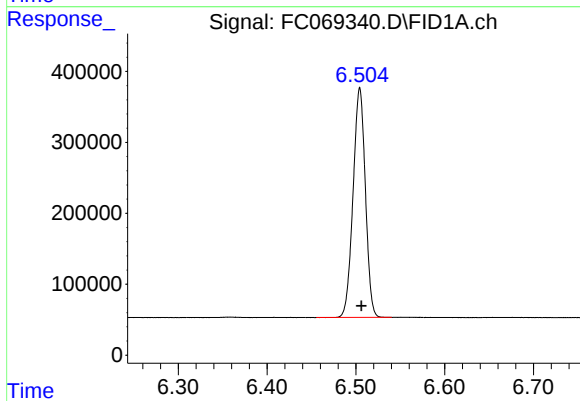
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.002 min
Response: 3079667
Conc: 21.04 ug/ml



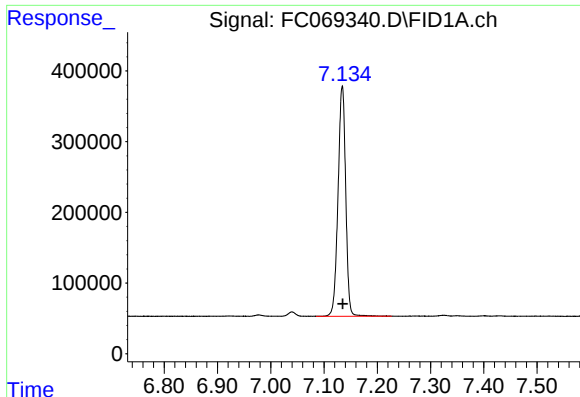
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 3377869
Conc: 20.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.002 min
Response: 3116957
Conc: 20.58 ug/ml



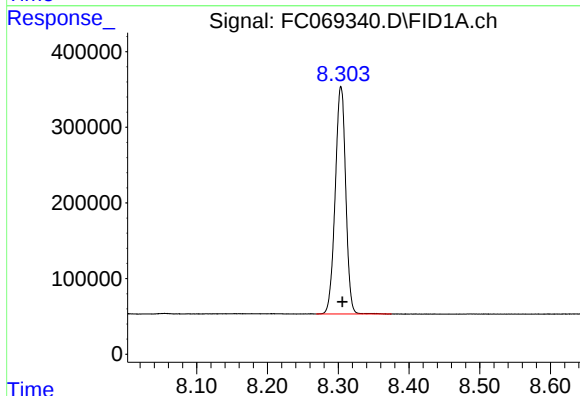
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.001 min
Response: 3267917
Conc: 20.65 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

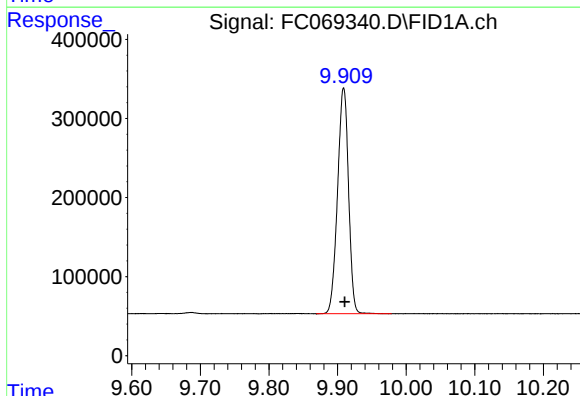
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025



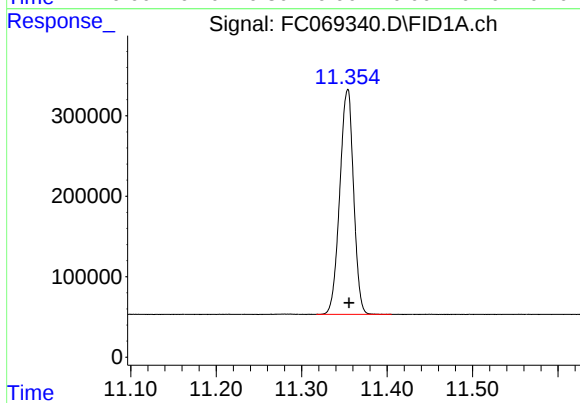
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.002 min
Response: 3100898
Conc: 20.01 ug/ml



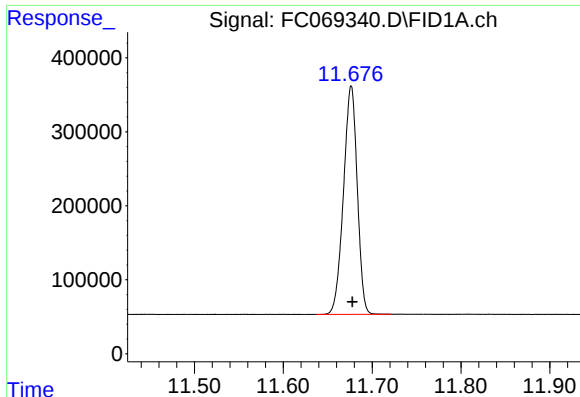
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.002 min
Response: 3172818
Conc: 19.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.002 min
Response: 3141133
Conc: 19.24 ug/ml



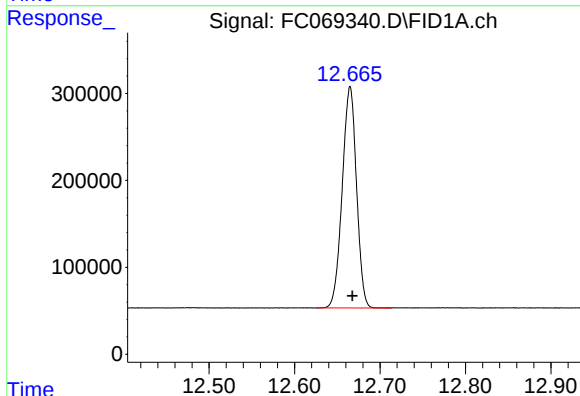
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.001 min
Response: 3328551
Conc: 19.27 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

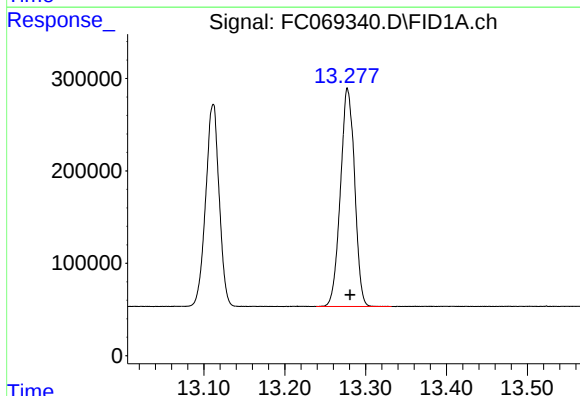
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025



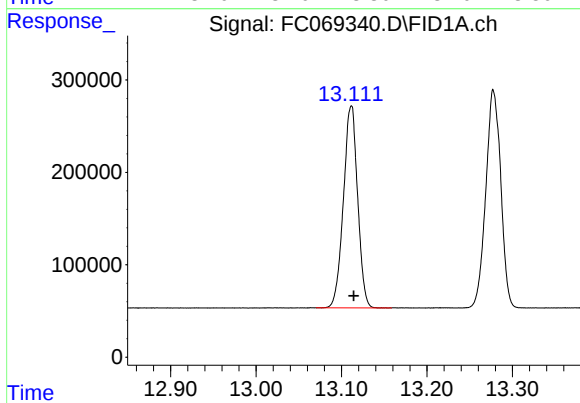
#10 n-Eicosane (C20)

R.T.: 12.665 min
Delta R.T.: -0.003 min
Response: 2956239
Conc: 19.37 ug/ml



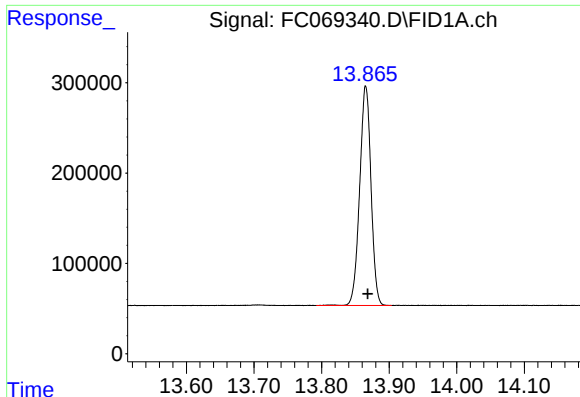
#11 n-Heneicosane (C21)

R.T.: 13.278 min
Delta R.T.: -0.003 min
Response: 2874850
Conc: 19.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.111 min
Delta R.T.: -0.003 min
Response: 2529589
Conc: 19.36 ug/ml



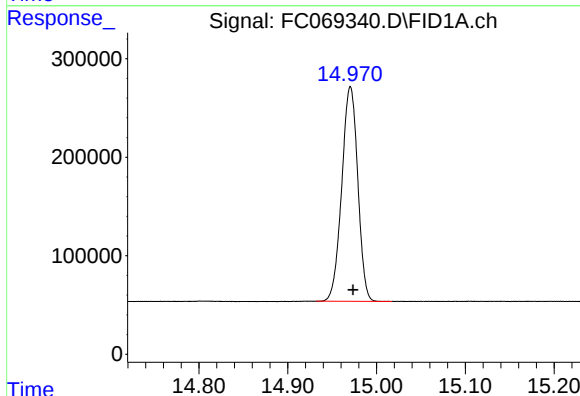
#13 n-Docosane (C22)

R.T.: 13.865 min
Delta R.T.: -0.003 min
Response: 2831081
Conc: 19.68 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

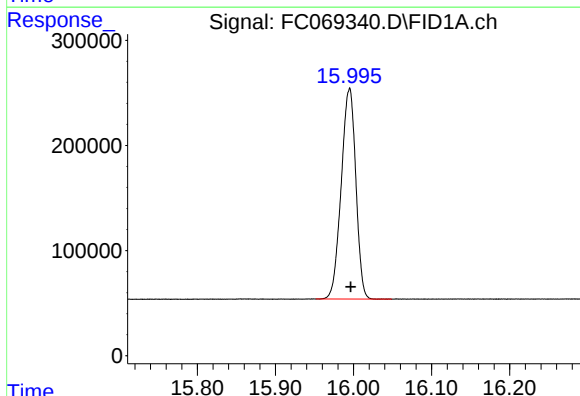
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025



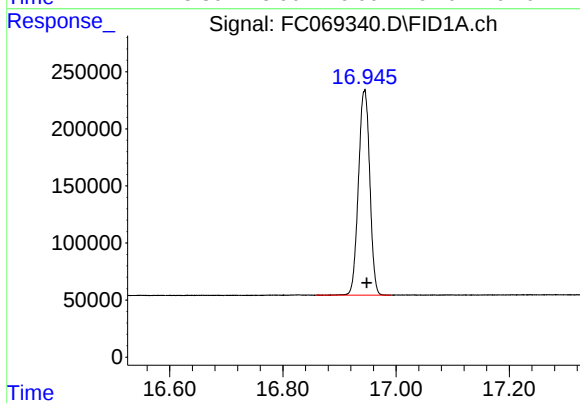
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.003 min
Response: 2732822
Conc: 19.81 ug/ml



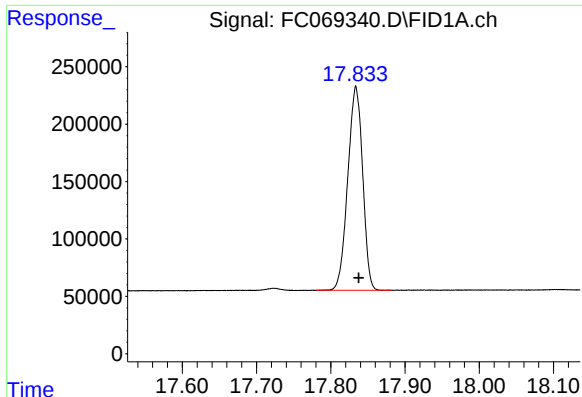
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.002 min
Response: 2607679
Conc: 19.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.944 min
Delta R.T.: -0.004 min
Response: 2490965
Conc: 20.20 ug/ml



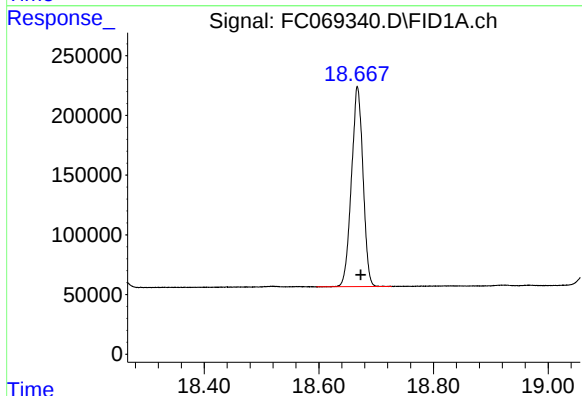
#17 n-Tricontane (C30)

R.T.: 17.834 min
Delta R.T.: -0.004 min
Response: 2469385
Conc: 20.77 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

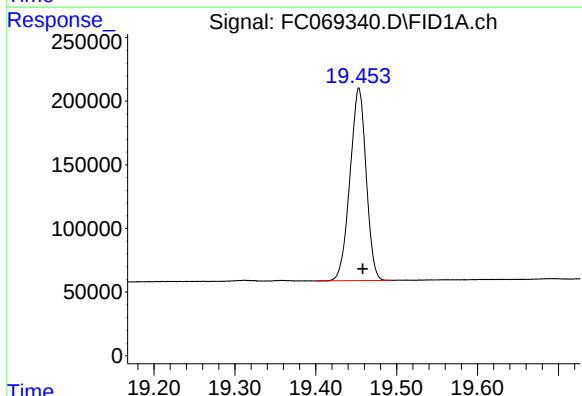
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025



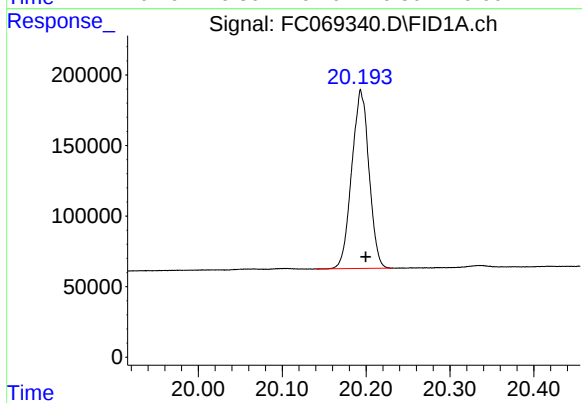
#18 n-Dotriacontane (C32)

R.T.: 18.668 min
Delta R.T.: -0.005 min
Response: 2339744
Conc: 21.40 ug/ml



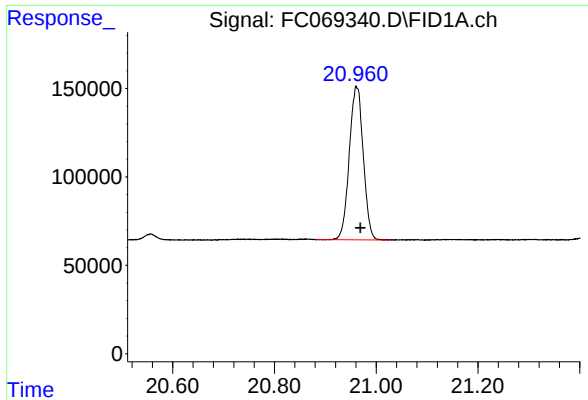
#19 n-Tetratriacontane (C34)

R.T.: 19.453 min
Delta R.T.: -0.005 min
Response: 2100828
Conc: 21.76 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.194 min
Delta R.T.: -0.006 min
Response: 1806356
Conc: 21.92 ug/ml



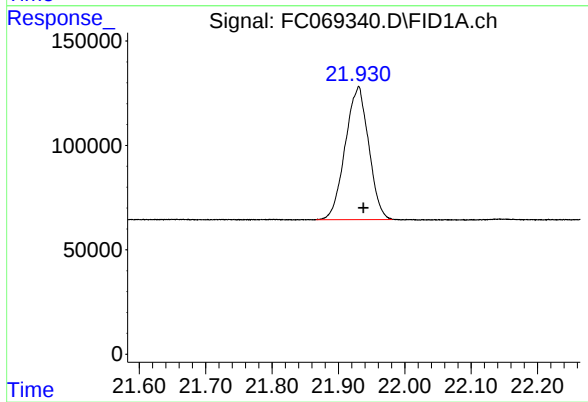
#21 n-Octatriacontane (C38)

R.T.: 20.962 min
Delta R.T.: -0.007 min
Response: 1650385
Conc: 22.08 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025



#22 n-Tetracontane (C40)

R.T.: 21.930 min
Delta R.T.: -0.007 min
Response: 1561385
Conc: 22.05 ug/ml m