

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062725AL\
 Data File : FC069323.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 17:33
 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 06/30/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
 Quant Time: Jun 28 01:18:10 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	3073588	17.791 ug/ml
Spiked Amount 50.000		Recovery =	35.58%
12) S 1-chlorooctadecane (S...	13.112	2346556	17.962 ug/ml
Spiked Amount 50.000		Recovery =	35.92%
Target Compounds			
1) T n-Nonane (C9)	3.409	2836939	19.948 ug/ml
2) T n-Decane (C10)	4.481	2923643	19.971 ug/ml
3) T A~Naphthalene (C11.7)	6.075	3192403	19.842 ug/ml
4) T n-Dodecane (C12)	6.505	2983119	19.700 ug/ml
5) T A~2-methylnaphthalene...	7.135	3082460	19.478 ug/ml
6) T n-Tetradecane (C14)	8.304	2958522	19.087 ug/ml
7) T n-Hexadecane (C16)	9.908	3001965	18.370 ug/ml
8) T n-Octadecane (C18)	11.353	2948625	18.060 ug/ml
10) T n-Eicosane (C20)	12.665	2757852	18.068 ug/ml
11) T n-Heneicosane (C21)	13.279	2674850	18.148 ug/ml
13) T n-Docosane (C22)	13.866	2625801	18.250 ug/ml
14) T n-Tetracosane (C24)	14.971	2523750	18.297 ug/ml
15) T n-Hexacosane (C26)	15.993	2393665	18.311 ug/ml
16) T n-Octacosane (C28)	16.945	2273007	18.430 ug/ml
17) T n-Tricontane (C30)	17.832	2245621	18.889 ug/ml
18) T n-Dotriacontane (C32)	18.666	2117621	19.368 ug/mlm
19) T n-Tetratriacontane (C34)	19.452	1931254	19.999 ug/ml
20) T n-Hexatriacontane (C36)	20.193	1690950	20.518 ug/ml
21) T n-Octatriacontane (C38)	20.962	1559937	20.874 ug/ml
22) T n-Tetracontane (C40)	21.928	1526978	21.563 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062725AL\
Data File : FC069323.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 17:33
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

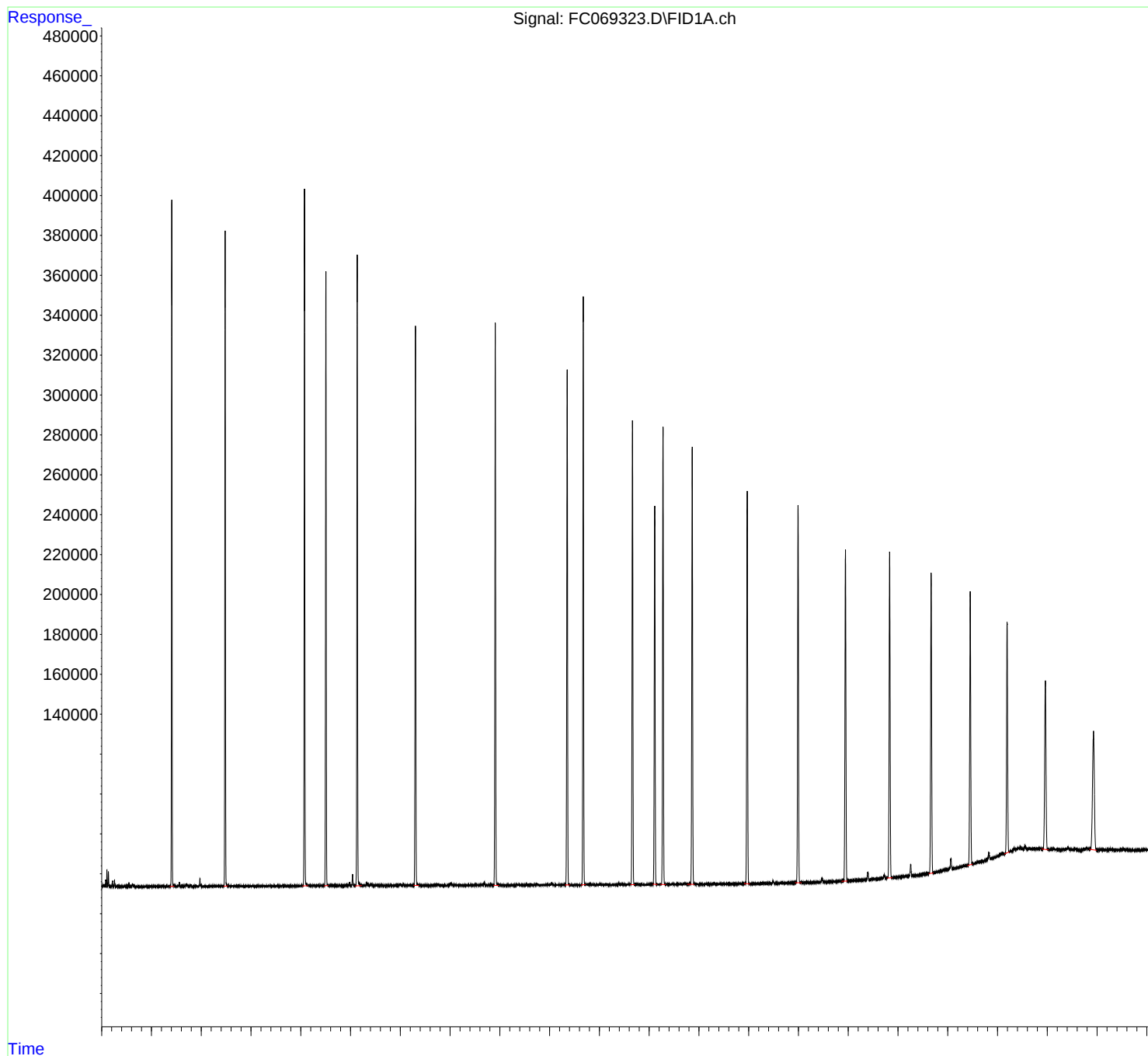
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

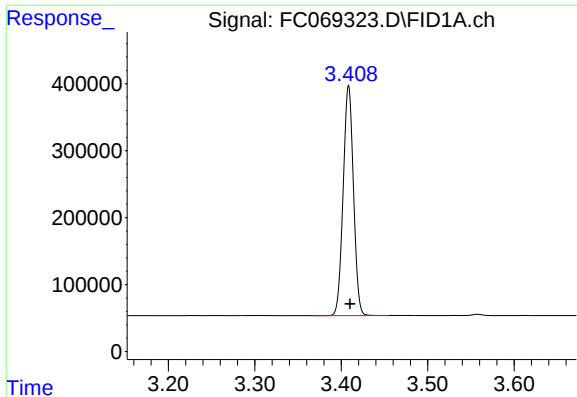
Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jun 28 01:18:10 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





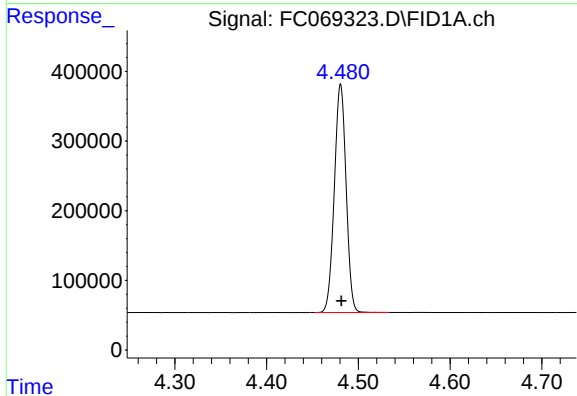
#1 n-Nonane (C9)

R.T.: 3.409 min
Delta R.T.: -0.001 min
Response: 2836939
Conc: 19.95 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

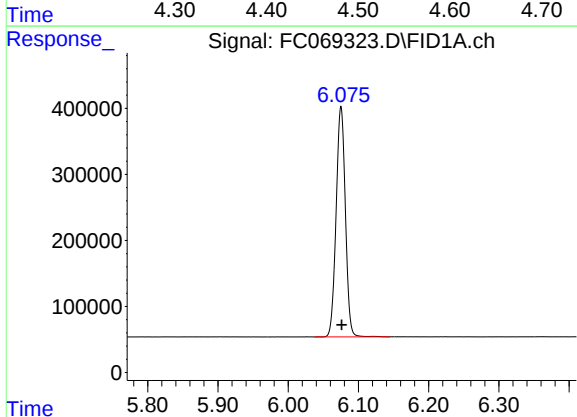
Manual Integrations
APPROVED

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



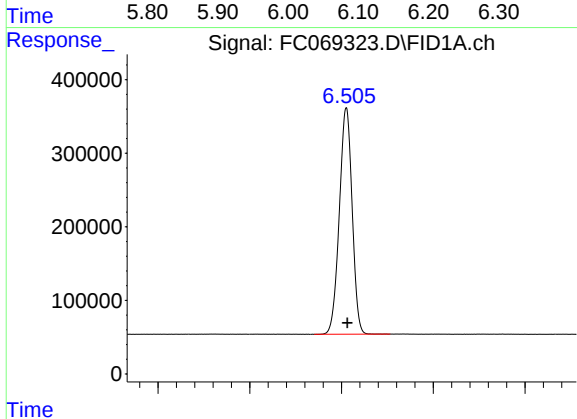
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 2923643
Conc: 19.97 ug/ml



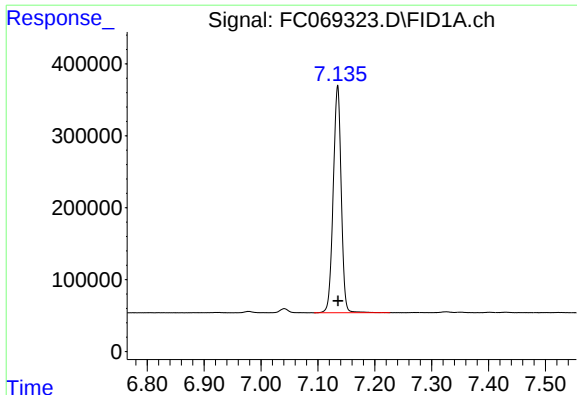
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.001 min
Response: 3192403
Conc: 19.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: 0.000 min
Response: 2983119
Conc: 19.70 ug/ml



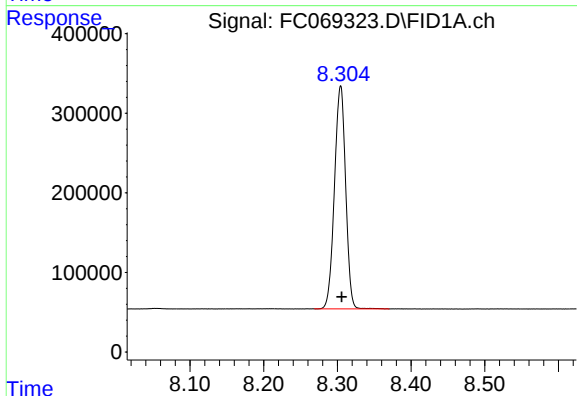
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 3082460
Conc: 19.48 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

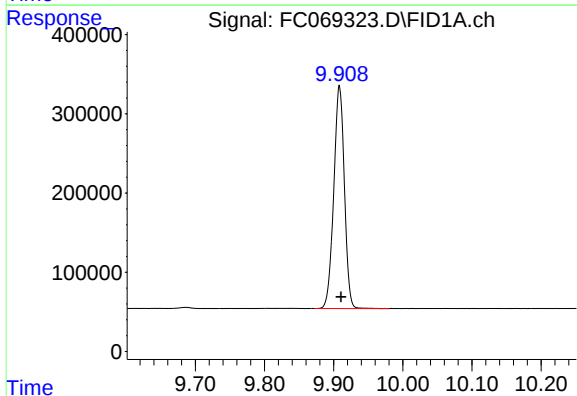
Manual Integrations
APPROVED

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



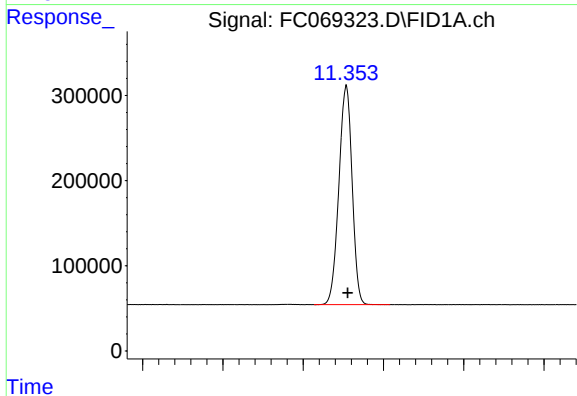
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.002 min
Response: 2958522
Conc: 19.09 ug/ml



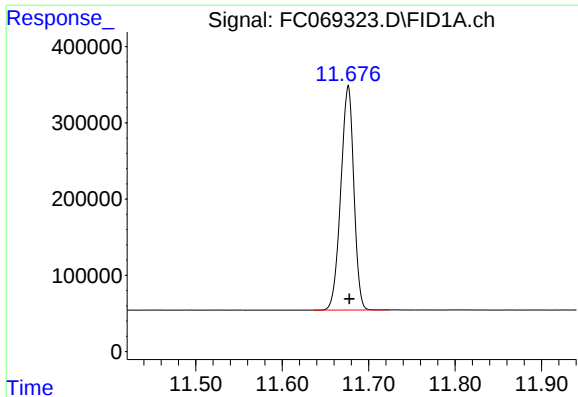
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.002 min
Response: 3001965
Conc: 18.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.002 min
Response: 2948625
Conc: 18.06 ug/ml



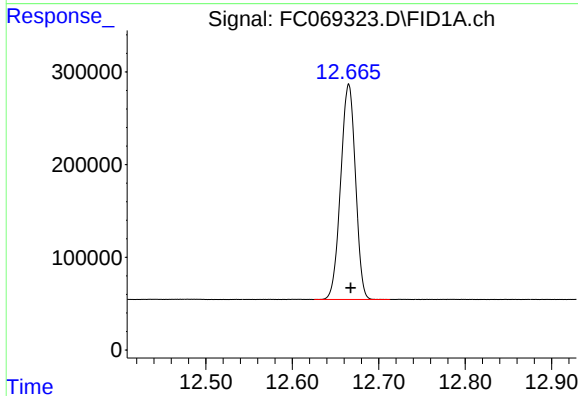
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.002 min
Response: 3073588
Conc: 17.79 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

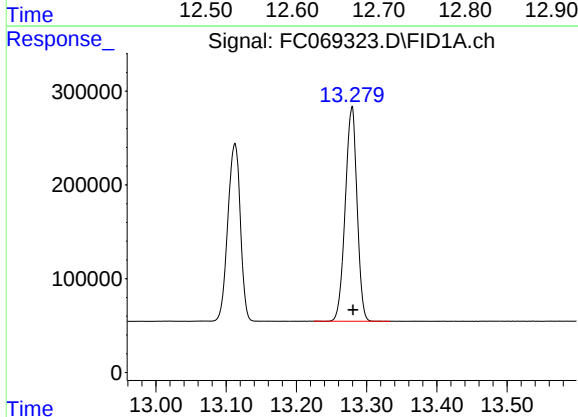
Manual Integrations
APPROVED

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



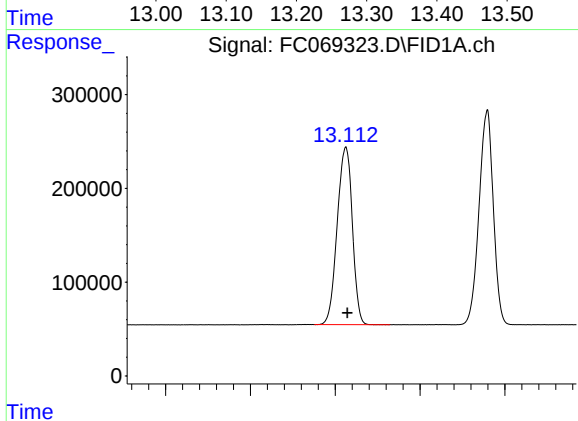
#10 n-Eicosane (C20)

R.T.: 12.665 min
Delta R.T.: -0.003 min
Response: 2757852
Conc: 18.07 ug/ml



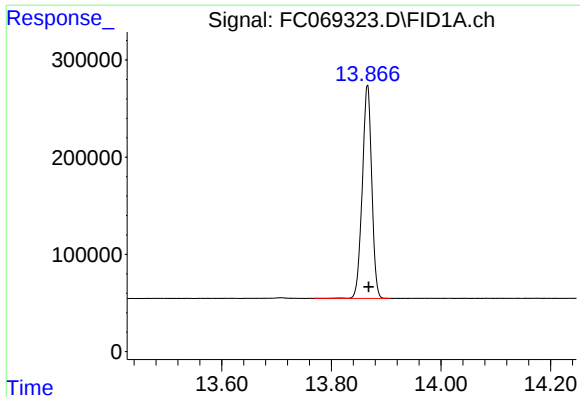
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.002 min
Response: 2674850
Conc: 18.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.002 min
Response: 2346556
Conc: 17.96 ug/ml



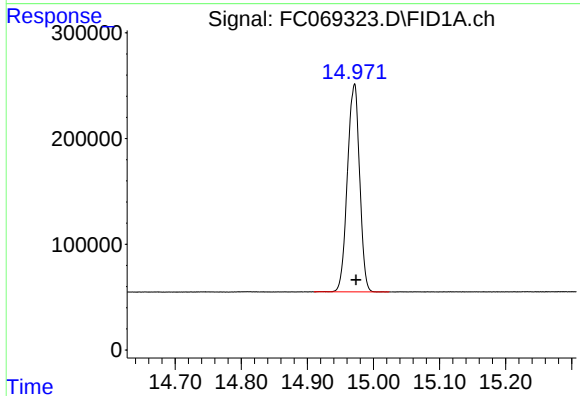
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.002 min
Response: 2625801
Conc: 18.25 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

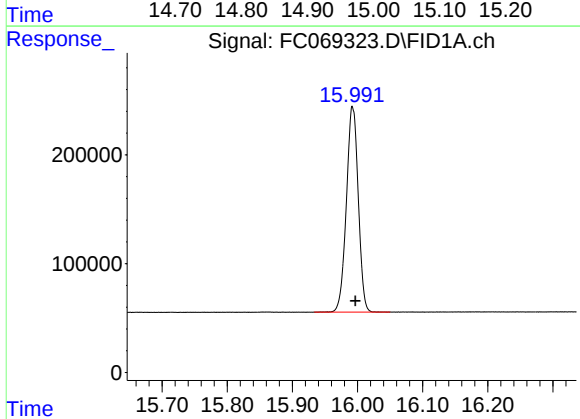
Manual Integrations
APPROVED

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



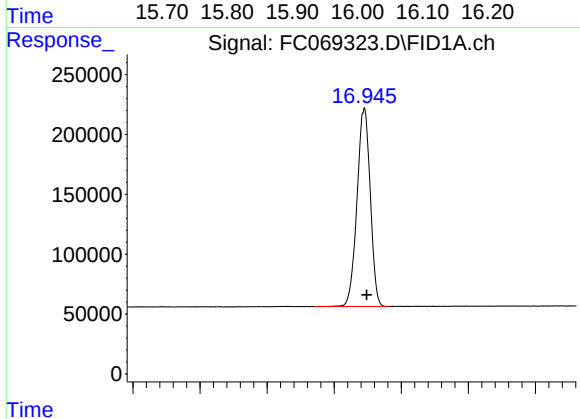
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.003 min
Response: 2523750
Conc: 18.30 ug/ml



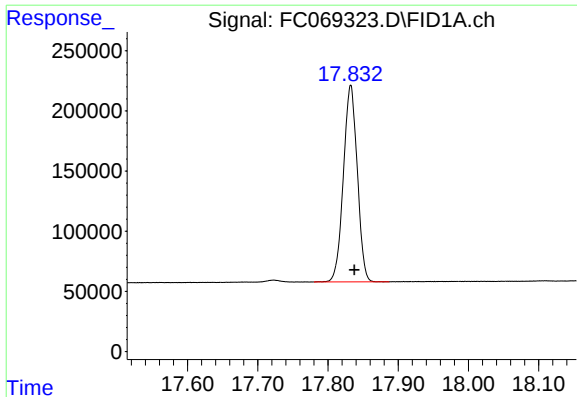
#15 n-Hexacosane (C26)

R.T.: 15.993 min
Delta R.T.: -0.004 min
Response: 2393665
Conc: 18.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.945 min
Delta R.T.: -0.004 min
Response: 2273007
Conc: 18.43 ug/ml



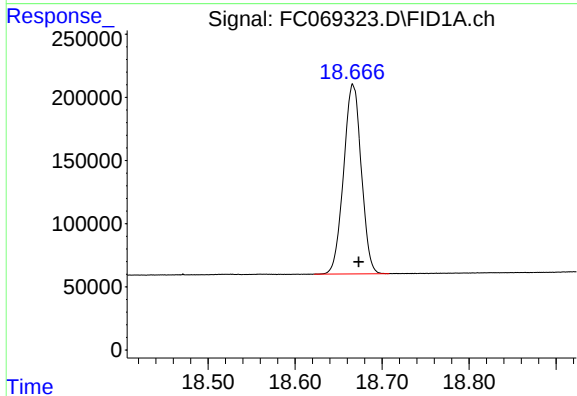
#17 n-Tricontane (C30)

R.T.: 17.832 min
Delta R.T.: -0.005 min
Response: 2245621
Conc: 18.89 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

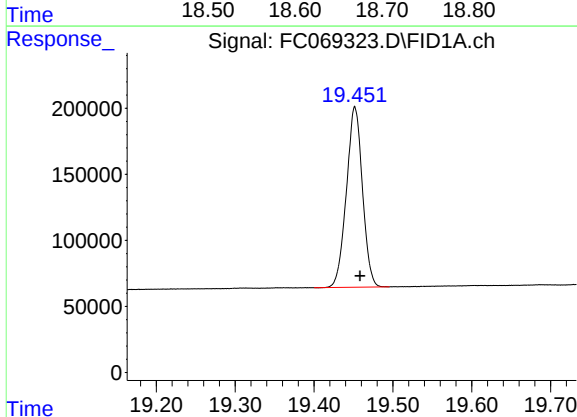
Manual Integrations
APPROVED

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



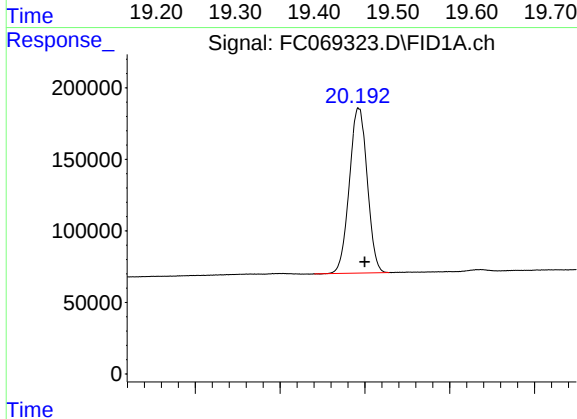
#18 n-Dotriacontane (C32)

R.T.: 18.666 min
Delta R.T.: -0.007 min
Response: 2117621
Conc: 19.37 ug/ml m



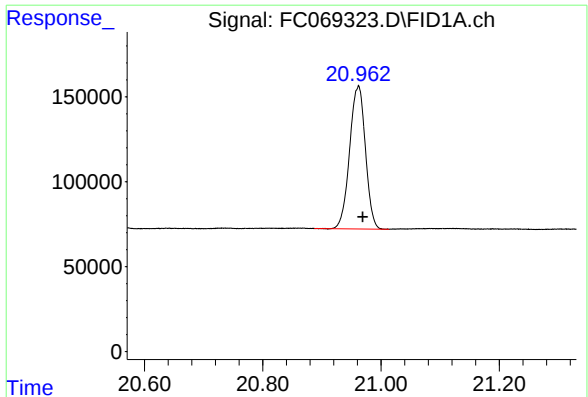
#19 n-Tetratriacontane (C34)

R.T.: 19.452 min
Delta R.T.: -0.006 min
Response: 1931254
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.193 min
Delta R.T.: -0.007 min
Response: 1690950
Conc: 20.52 ug/ml



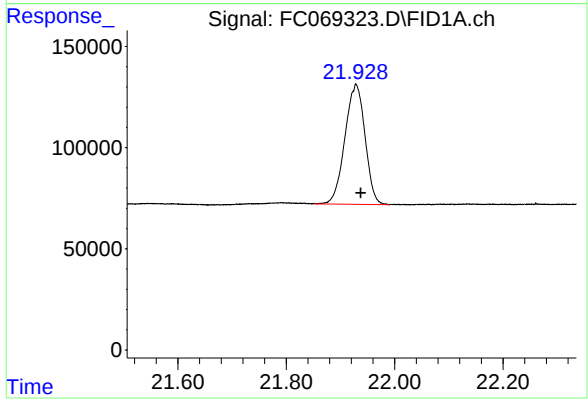
#21 n-Octatriacontane (C38)

R.T.: 20.962 min
Delta R.T.: -0.007 min
Response: 1559937
Conc: 20.87 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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



#22 n-Tetracontane (C40)

R.T.: 21.928 min
Delta R.T.: -0.010 min
Response: 1526978
Conc: 21.56 ug/ml m