

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090825AL\
 Data File : FC069815.D
 Signal(s) : FID1A.ch
 Acq On : 08 Sep 2025 14:21
 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 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File: autoint1.e
 Quant Time: Sep 09 05:19:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 082725.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 27 12:11:00 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)	11.668	2271677	17.543 ug/ml
Spiked Amount 50.000		Recovery =	35.09%
12) S 1-chlorooctadecane (S...	13.102	1678735	17.544 ug/ml
Spiked Amount 50.000		Recovery =	35.09%
Target Compounds			
1) T n-Nonane (C9)	3.410	2135525	17.034 ug/ml
2) T n-Decane (C10)	4.482	2166168	17.000 ug/ml
3) T A~Naphthalene (C11.7)	6.076	2318416	17.234 ug/ml
4) T n-Dodecane (C12)	6.504	2165098	16.897 ug/ml
5) T A~2-methylnaphthalene...	7.134	2195951	17.146 ug/ml
6) T n-Tetradecane (C14)	8.301	2109085	16.537 ug/ml
7) T n-Hexadecane (C16)	9.903	2135357	16.535 ug/ml
8) T n-Octadecane (C18)	11.346	2119292	16.903 ug/ml
10) T n-Eicosane (C20)	12.656	1991566	17.158 ug/ml
11) T n-Heneicosane (C21)	13.268	1932832	17.285 ug/ml
13) T n-Docosane (C22)	13.855	1919216	17.587 ug/ml
14) T n-Tetracosane (C24)	14.959	1915675	18.267 ug/ml
15) T n-Hexacosane (C26)	15.981	1842900	18.389 ug/ml
16) T n-Octacosane (C28)	16.931	1775812	18.443 ug/ml
17) T n-Tricontane (C30)	17.821	1747481	18.170 ug/ml
18) T n-Dotriacontane (C32)	18.654	1664783	17.872 ug/ml
19) T n-Tetratriacontane (C34)	19.439	1598086	18.519 ug/ml
20) T n-Hexatriacontane (C36)	20.177	1365164	17.895 ug/mlm
21) T n-Octatriacontane (C38)	20.943	1132694	16.107 ug/ml
22) T n-Tetracontane (C40)	21.905	1291192	19.437 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090825AL\
Data File : FC069815.D
Signal(s) : FID1A.ch
Acq On : 08 Sep 2025 14:21
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

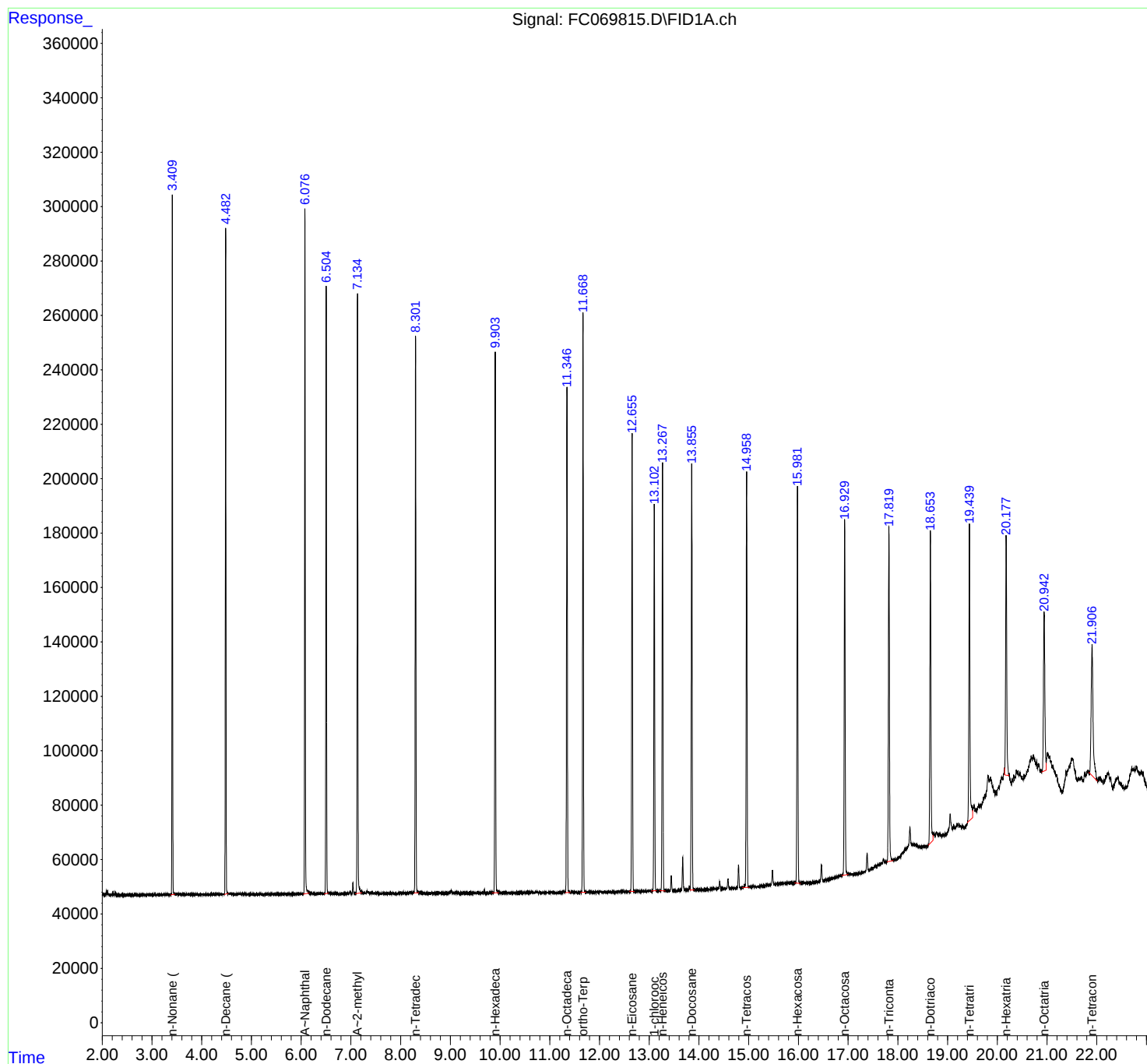
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

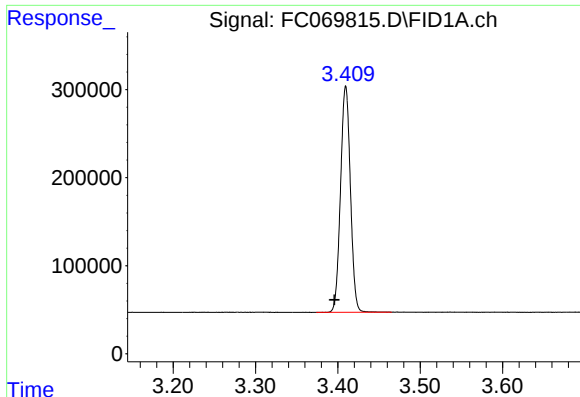
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Integration File: autoint1.e
Quant Time: Sep 09 05:19:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 082725.M
Quant Title : GC Extractables
QLast Update : Wed Aug 27 12:11:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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





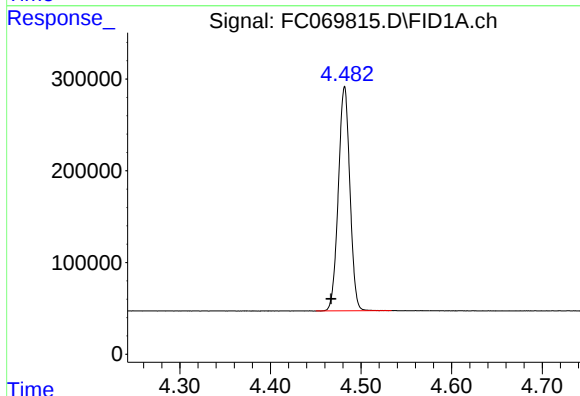
#1 n-Nonane (C9)

R.T.: 3.410 min
Delta R.T.: 0.014 min
Response: 2135525
Conc: 17.03 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

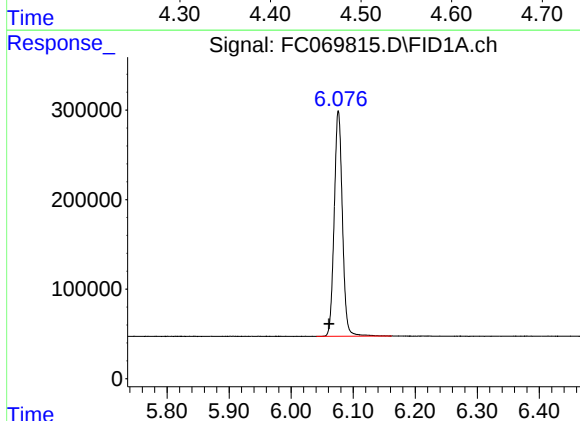
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



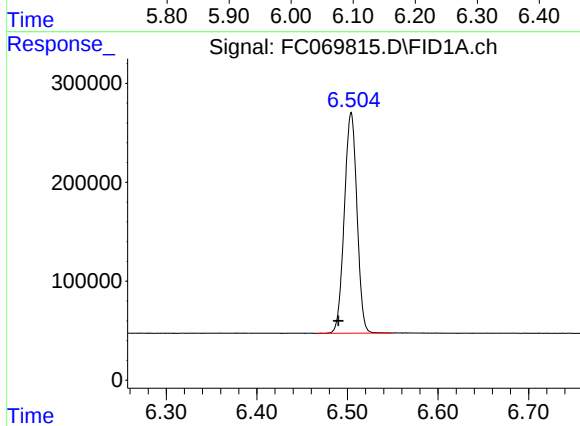
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: 0.015 min
Response: 2166168
Conc: 17.00 ug/ml



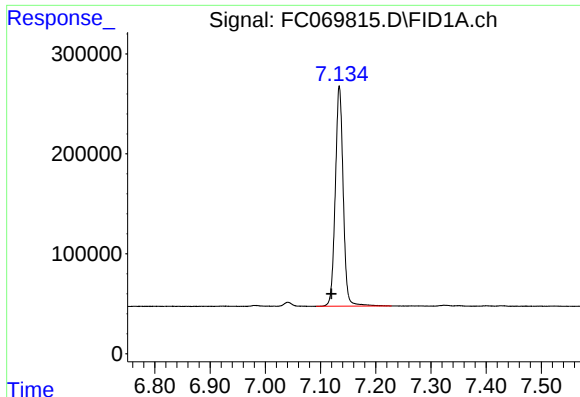
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.015 min
Response: 2318416
Conc: 17.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: 0.014 min
Response: 2165098
Conc: 16.90 ug/ml



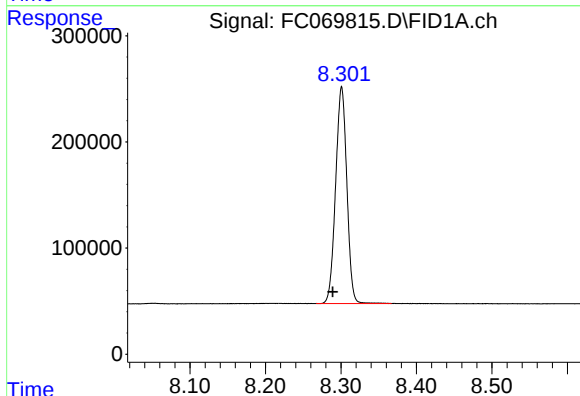
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: 0.015 min
Response: 2195951
Conc: 17.15 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

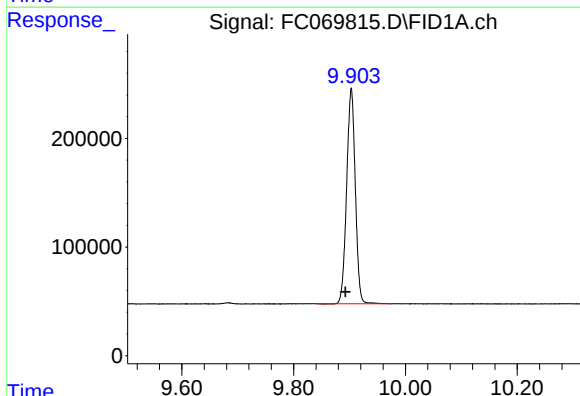
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



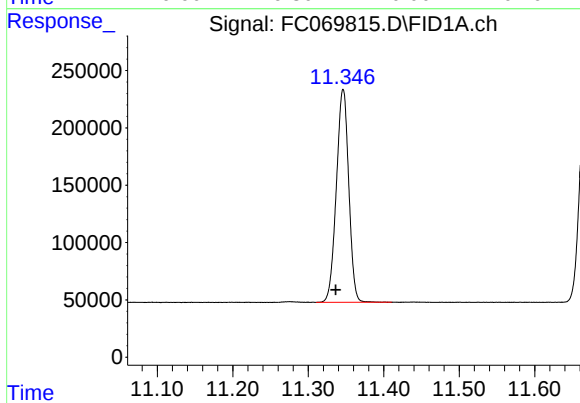
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: 0.012 min
Response: 2109085
Conc: 16.54 ug/ml



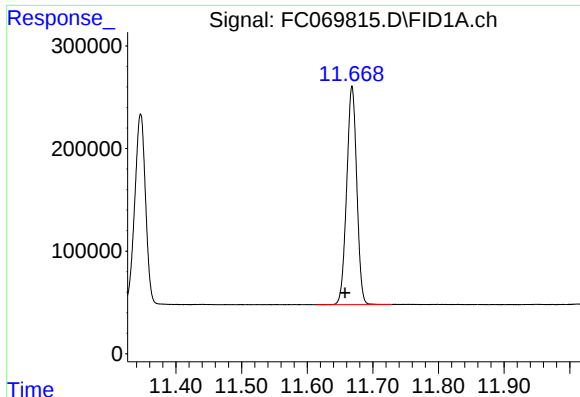
#7 n-Hexadecane (C16)

R.T.: 9.903 min
Delta R.T.: 0.011 min
Response: 2135357
Conc: 16.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.346 min
Delta R.T.: 0.010 min
Response: 2119292
Conc: 16.90 ug/ml



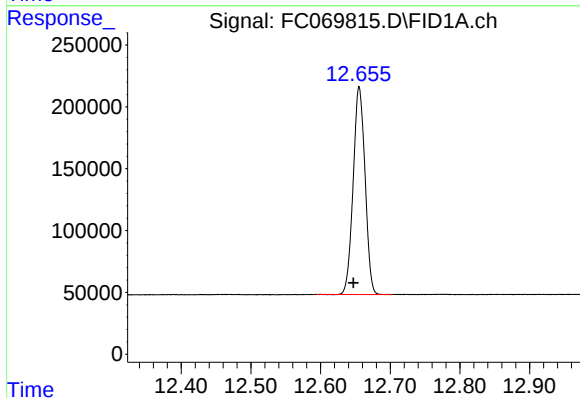
#9 ortho-Terphenyl (SURR)

R.T.: 11.668 min
Delta R.T.: 0.011 min
Response: 2271677
Conc: 17.54 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

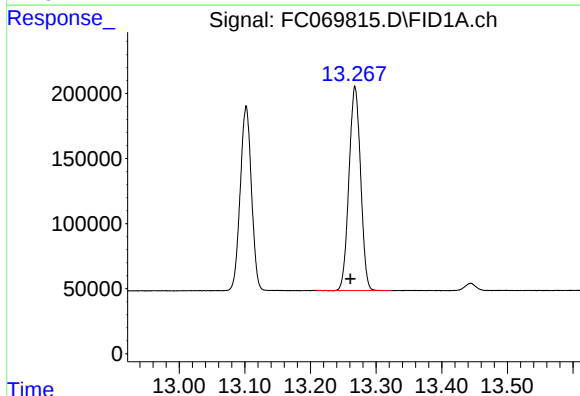
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



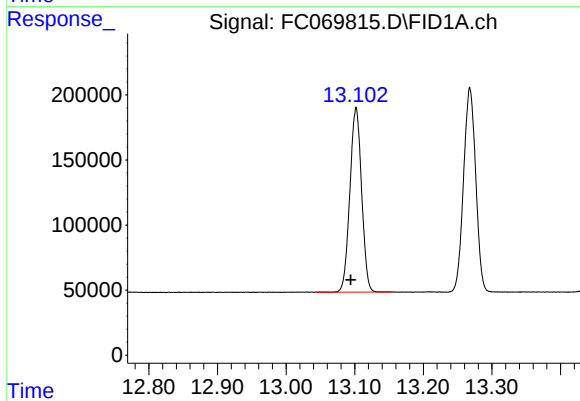
#10 n-Eicosane (C20)

R.T.: 12.656 min
Delta R.T.: 0.008 min
Response: 1991566
Conc: 17.16 ug/ml



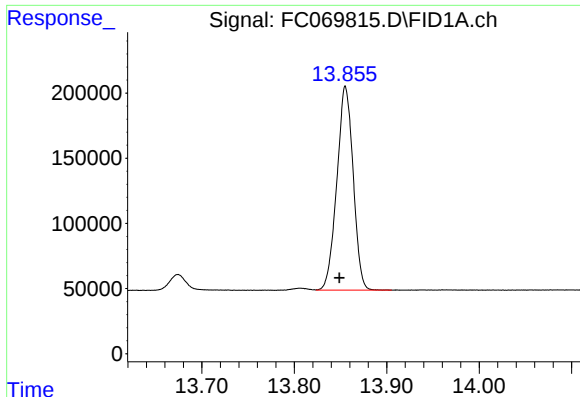
#11 n-Heneicosane (C21)

R.T.: 13.268 min
Delta R.T.: 0.007 min
Response: 1932832
Conc: 17.29 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.102 min
Delta R.T.: 0.008 min
Response: 1678735
Conc: 17.54 ug/ml



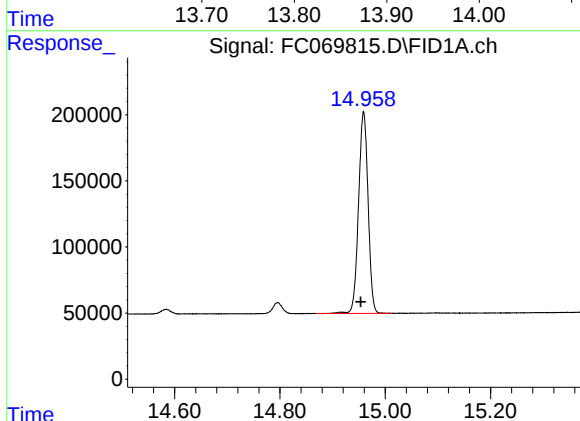
#13 n-Docosane (C22)

R.T.: 13.855 min
Delta R.T.: 0.007 min
Response: 1919216
Conc: 17.59 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

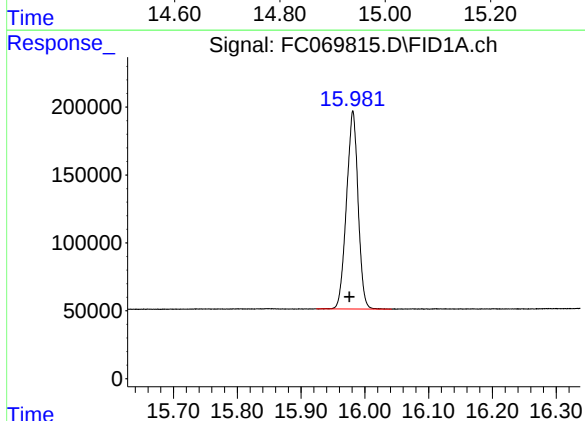
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



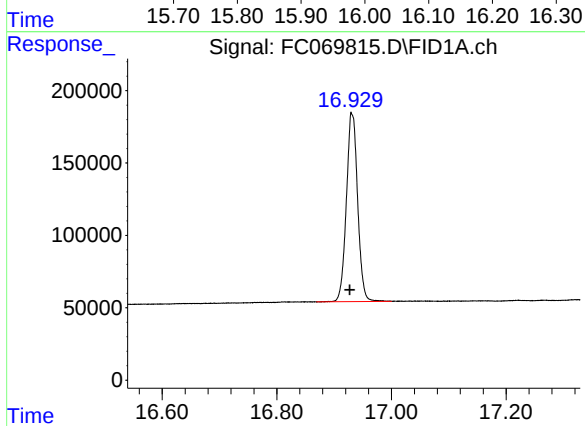
#14 n-Tetracosane (C24)

R.T.: 14.959 min
Delta R.T.: 0.006 min
Response: 1915675
Conc: 18.27 ug/ml



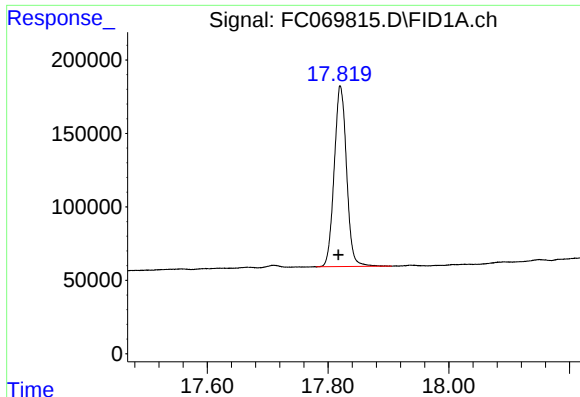
#15 n-Hexacosane (C26)

R.T.: 15.981 min
Delta R.T.: 0.006 min
Response: 1842900
Conc: 18.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.931 min
Delta R.T.: 0.004 min
Response: 1775812
Conc: 18.44 ug/ml



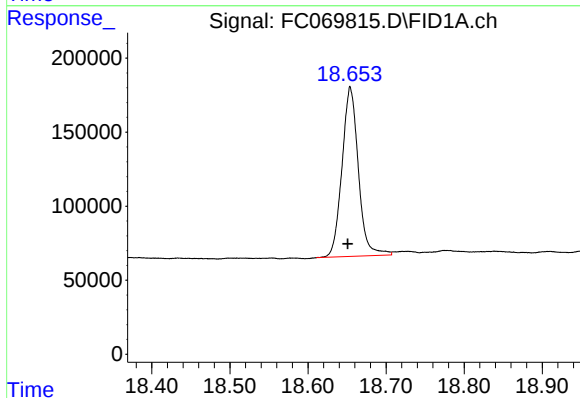
#17 n-Tricontane (C30)

R.T.: 17.821 min
Delta R.T.: 0.004 min
Response: 1747481
Conc: 18.17 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

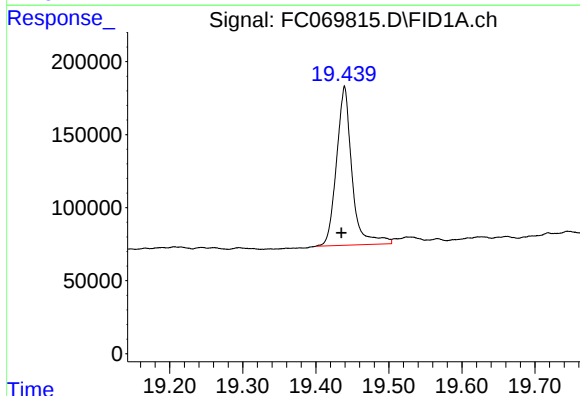
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



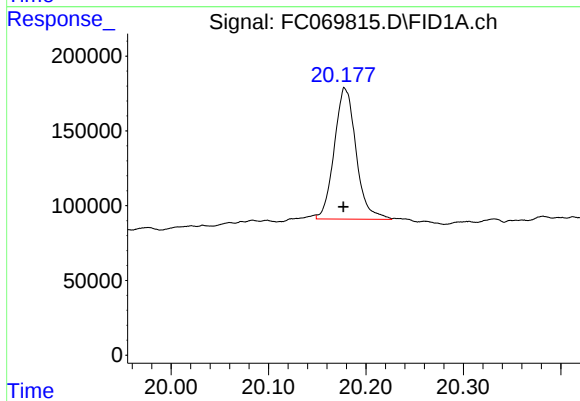
#18 n-Dotriacontane (C32)

R.T.: 18.654 min
Delta R.T.: 0.004 min
Response: 1664783
Conc: 17.87 ug/ml



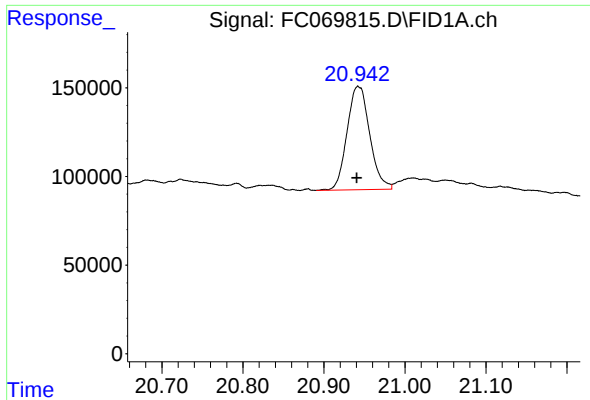
#19 n-Tetratriacontane (C34)

R.T.: 19.439 min
Delta R.T.: 0.004 min
Response: 1598086
Conc: 18.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.177 min
Delta R.T.: 0.000 min
Response: 1365164
Conc: 17.89 ug/ml m



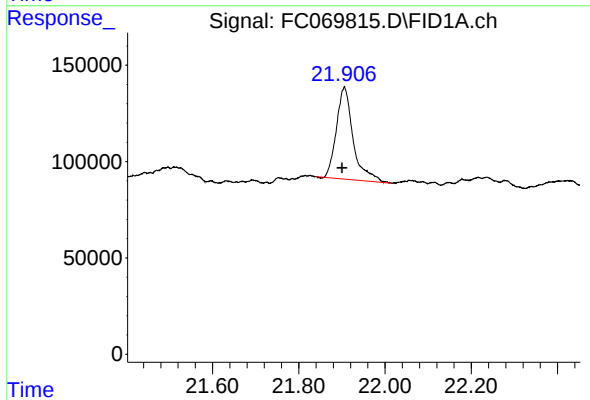
#21 n-Octatriacontane (C38)

R.T.: 20.943 min
Delta R.T.: 0.002 min
Response: 1132694
Conc: 16.11 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



#22 n-Tetracontane (C40)

R.T.: 21.905 min
Delta R.T.: 0.005 min
Response: 1291192
Conc: 19.44 ug/ml