

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC069003.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 17:20
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/27/2025
 Supervised By :mohammad ahmed 05/28/2025

Integration File: autoint1.e
 Quant Time: May 27 01:50:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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)	11.707	2331287	18.901 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
12) S 1-chlorooctadecane (S...	13.140	1699832	18.947 ug/ml
Spiked Amount 50.000		Recovery =	37.89%
Target Compounds			
1) T n-Nonane (C9)	3.441	2019084	19.026 ug/ml
2) T n-Decane (C10)	4.515	2011435	18.992 ug/ml
3) T A~Naphthalene (C11.7)	6.112	2198670	19.014 ug/ml
4) T n-Dodecane (C12)	6.540	1996427	18.992 ug/ml
5) T A~2-methylnaphthalene...	7.170	2159688	19.050 ug/ml
6) T n-Tetradecane (C14)	8.337	1941680	18.943 ug/ml
7) T n-Hexadecane (C16)	9.940	1918199	18.905 ug/ml
8) T n-Octadecane (C18)	11.383	1894928	18.960 ug/ml
10) T n-Eicosane (C20)	12.694	1851134	19.006 ug/ml
11) T n-Heneicosane (C21)	13.306	1825076	18.961 ug/ml
13) T n-Docosane (C22)	13.893	1834170	19.253 ug/ml
14) T n-Tetracosane (C24)	14.996	1860809	19.764 ug/mlm
15) T n-Hexacosane (C26)	16.019	1861946	20.055 ug/ml
16) T n-Octacosane (C28)	16.970	1859444	20.004 ug/mlm
17) T n-Tricontane (C30)	17.859	1898256	19.619 ug/ml
18) T n-Dotriacontane (C32)	18.692	1919820	19.373 ug/ml
19) T n-Tetratriacontane (C34)	19.477	1828587	18.973 ug/ml
20) T n-Hexatriacontane (C36)	20.218	1783767	18.790 ug/ml
21) T n-Octatriacontane (C38)	20.991	1708457	18.726 ug/ml
22) T n-Tetracontane (C40)	21.965	1646684	18.663 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
Data File : FC069003.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 17:20
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

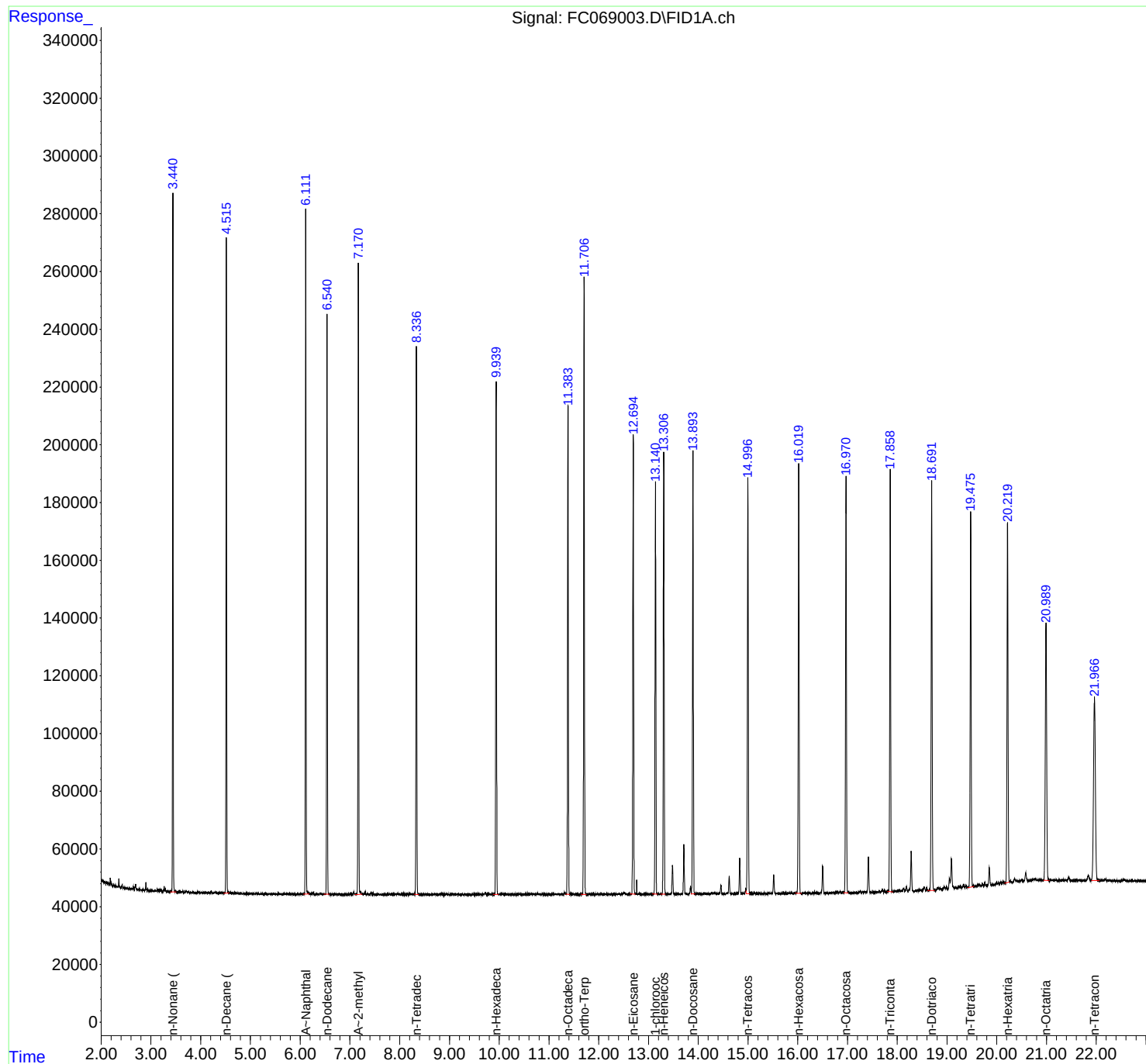
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

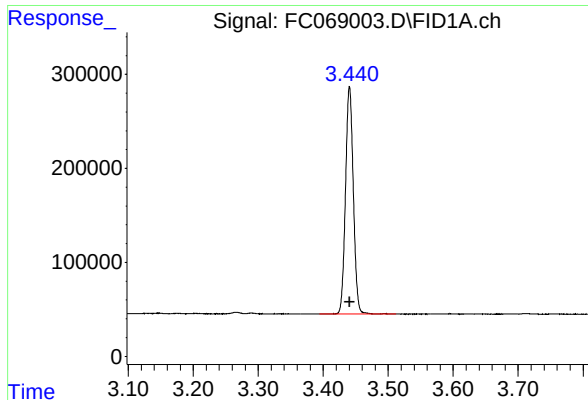
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File: autoint1.e
Quant Time: May 27 01:50:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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





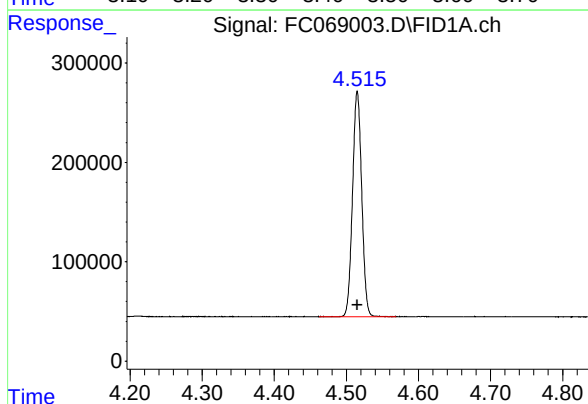
#1 n-Nonane (C9)

R.T.: 3.441 min
Delta R.T.: 0.000 min
Response: 2019084
Conc: 19.03 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD ICV

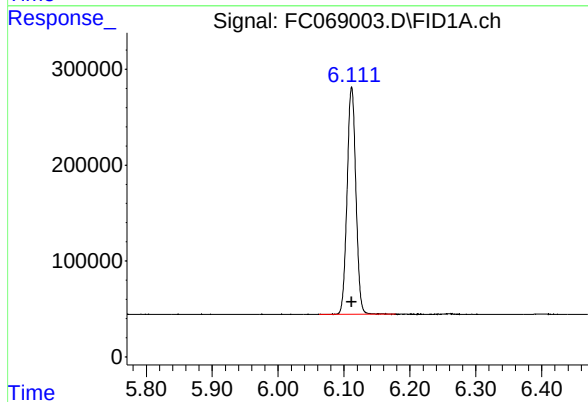
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



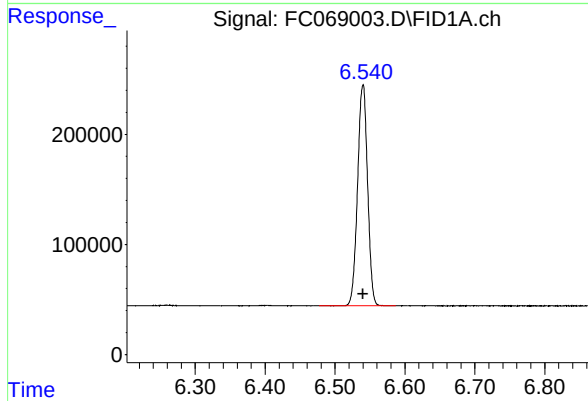
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 2011435
Conc: 18.99 ug/ml



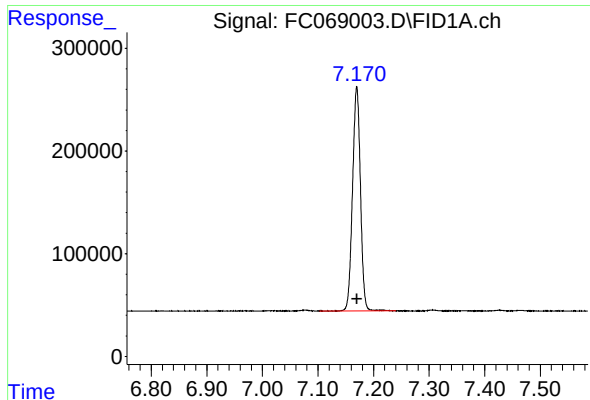
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 2198670
Conc: 19.01 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.540 min
Delta R.T.: 0.000 min
Response: 1996427
Conc: 18.99 ug/ml



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

R.T.: 7.170 min
Delta R.T.: 0.000 min
Response: 2159688
Conc: 19.05 ug/ml

Instrument :

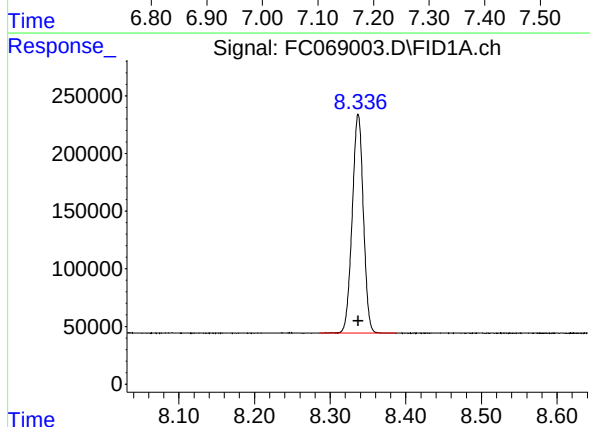
FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV

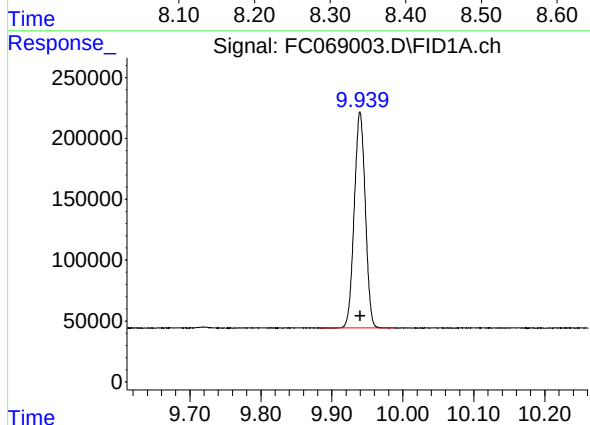
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



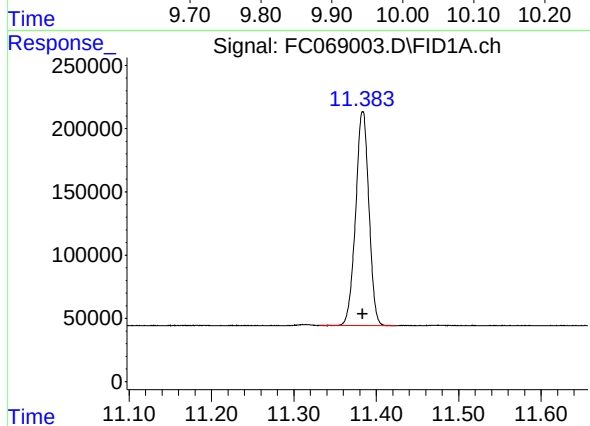
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 1941680
Conc: 18.94 ug/ml



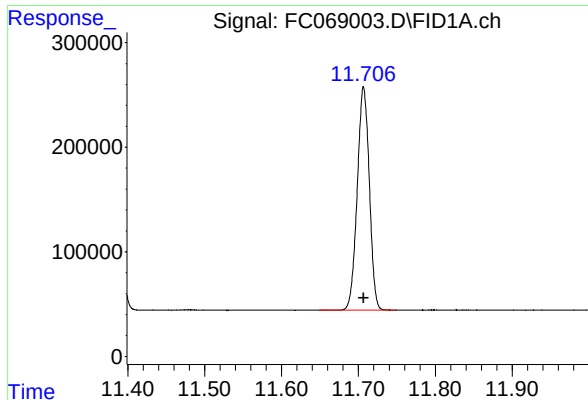
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: 0.000 min
Response: 1918199
Conc: 18.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min
Delta R.T.: 0.000 min
Response: 1894928
Conc: 18.96 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.707 min
Delta R.T.: 0.000 min
Response: 2331287
Conc: 18.90 ug/ml

Instrument :

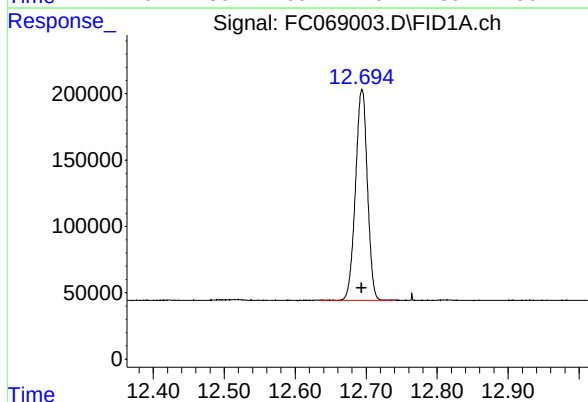
FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV

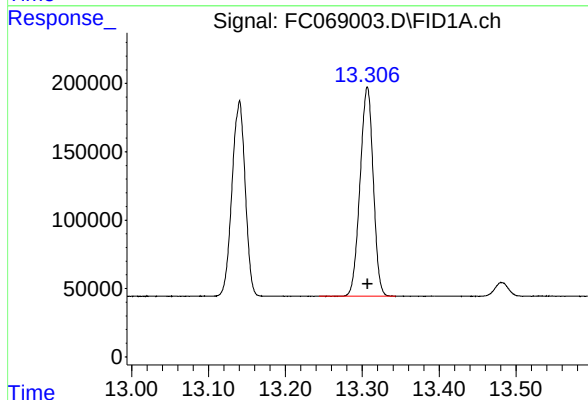
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



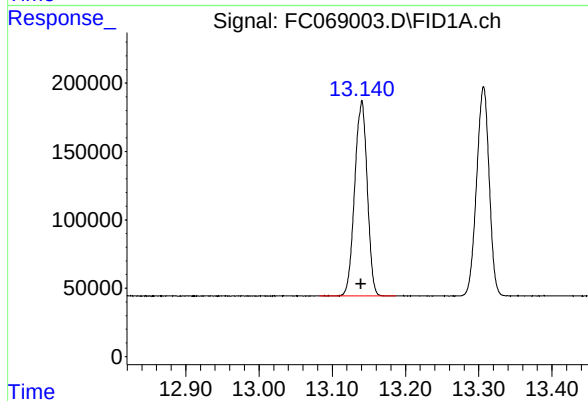
#10 n-Eicosane (C20)

R.T.: 12.694 min
Delta R.T.: 0.000 min
Response: 1851134
Conc: 19.01 ug/ml



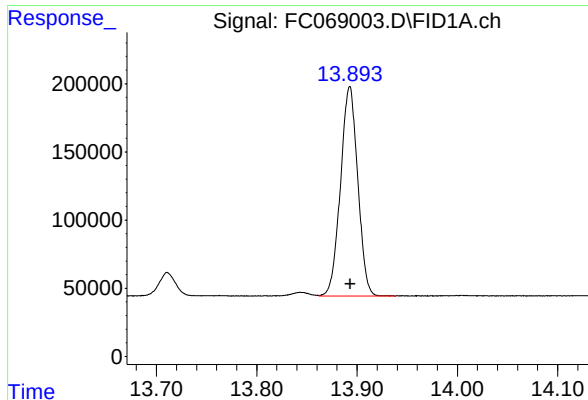
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: 0.000 min
Response: 1825076
Conc: 18.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min
Delta R.T.: 0.000 min
Response: 1699832
Conc: 18.95 ug/ml



#13 n-Docosane (C22)

R.T.: 13.893 min
Delta R.T.: 0.000 min
Response: 1834170
Conc: 19.25 ug/ml

Instrument :

FID_C

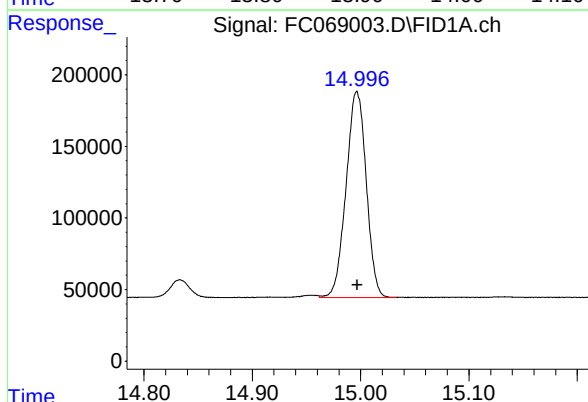
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV

Manual Integrations

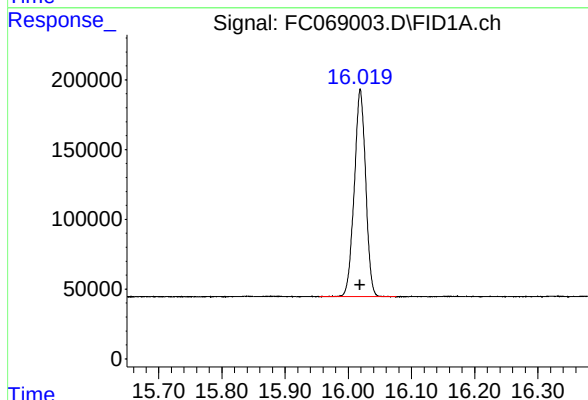
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



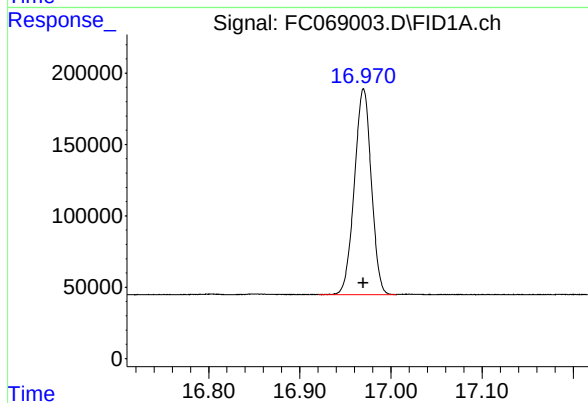
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: 0.000 min
Response: 1860809
Conc: 19.76 ug/ml m



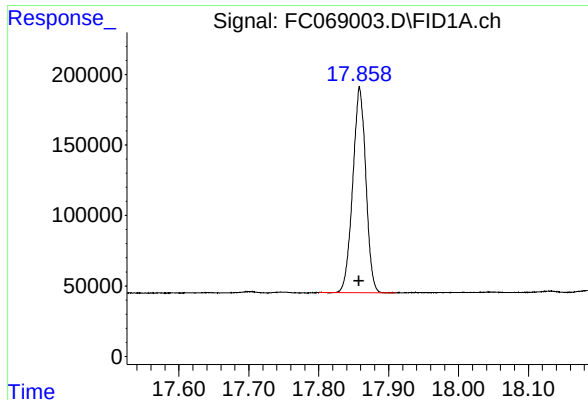
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: 0.000 min
Response: 1861946
Conc: 20.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.970 min
Delta R.T.: 0.000 min
Response: 1859444
Conc: 20.00 ug/ml m



#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: 0.000 min
Response: 1898256
Conc: 19.62 ug/ml

Instrument :

FID_C

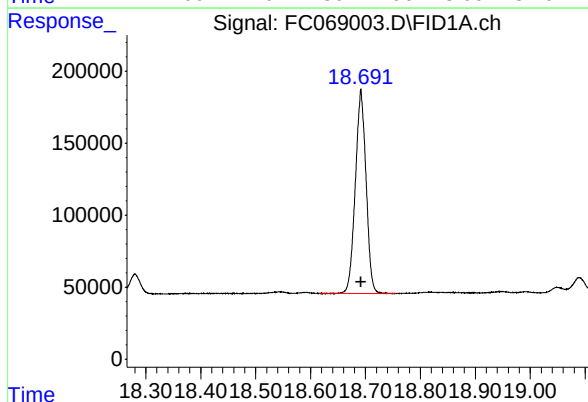
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV

Manual Integrations

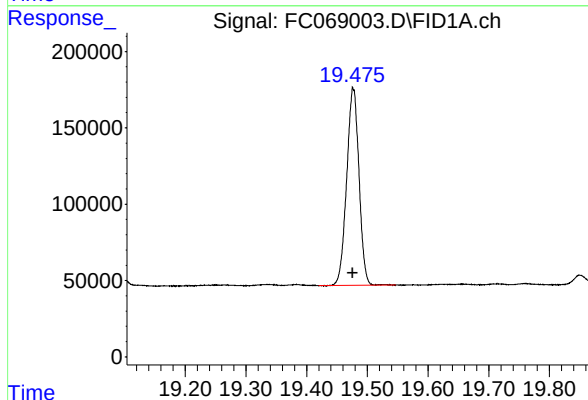
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



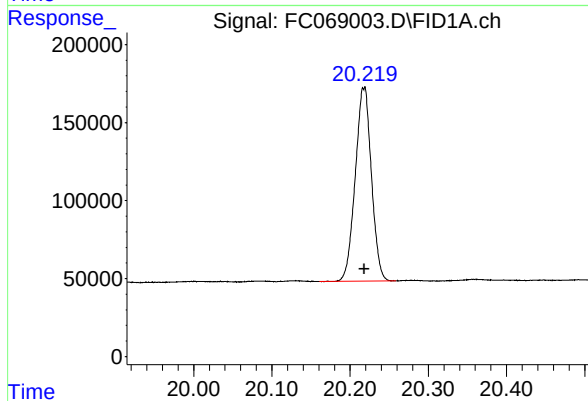
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: 0.000 min
Response: 1919820
Conc: 19.37 ug/ml



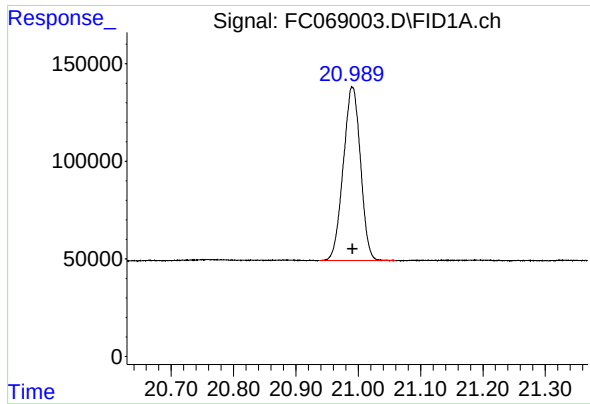
#19 n-Tetatriacontane (C34)

R.T.: 19.477 min
Delta R.T.: 0.001 min
Response: 1828587
Conc: 18.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 1783767
Conc: 18.79 ug/ml



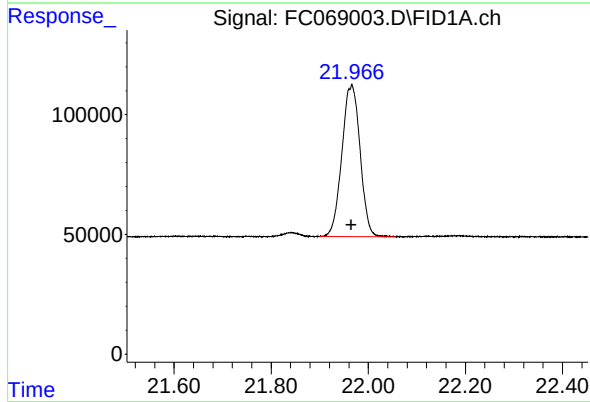
#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: 0.000 min
Response: 1708457
Conc: 18.73 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: 0.000 min
Response: 1646684
Conc: 18.66 ug/ml