

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
 Data File : FC069330.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2025 14:38
 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 05:04:30 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)	11.677	3299337	19.098 ug/ml
Spiked Amount 50.000		Recovery =	38.20%
12) S 1-chlorooctadecane (S...	13.113	2504609	19.172 ug/ml
Spiked Amount 50.000		Recovery =	38.34%
Target Compounds			
1) T n-Nonane (C9)	3.404	2944650	20.705 ug/ml
2) T n-Decane (C10)	4.479	3040401	20.768 ug/ml
3) T A~Naphthalene (C11.7)	6.074	3335251	20.729 ug/ml
4) T n-Dodecane (C12)	6.504	3096198	20.447 ug/ml
5) T A~2-methylnaphthalene...	7.134	3227847	20.397 ug/ml
6) T n-Tetradecane (C14)	8.304	3088595	19.926 ug/ml
7) T n-Hexadecane (C16)	9.909	3162946	19.355 ug/ml
8) T n-Octadecane (C18)	11.354	3126173	19.147 ug/ml
10) T n-Eicosane (C20)	12.666	2936273	19.237 ug/ml
11) T n-Heneicosane (C21)	13.279	2849741	19.334 ug/ml
13) T n-Docosane (C22)	13.867	2808237	19.518 ug/ml
14) T n-Tetracosane (C24)	14.971	2714147	19.678 ug/ml
15) T n-Hexacosane (C26)	15.994	2587077	19.790 ug/ml
16) T n-Octacosane (C28)	16.945	2464276	19.981 ug/ml
17) T n-Tricontane (C30)	17.834	2430366	20.443 ug/ml
18) T n-Dotriacontane (C32)	18.668	2282457	20.875 ug/ml
19) T n-Tetratriacontane (C34)	19.452	2050615	21.235 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1781816	21.621 ug/ml
21) T n-Octatriacontane (C38)	20.962	1621831	21.702 ug/ml
22) T n-Tetracontane (C40)	21.926	1556934	21.986 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069330.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 14:38
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

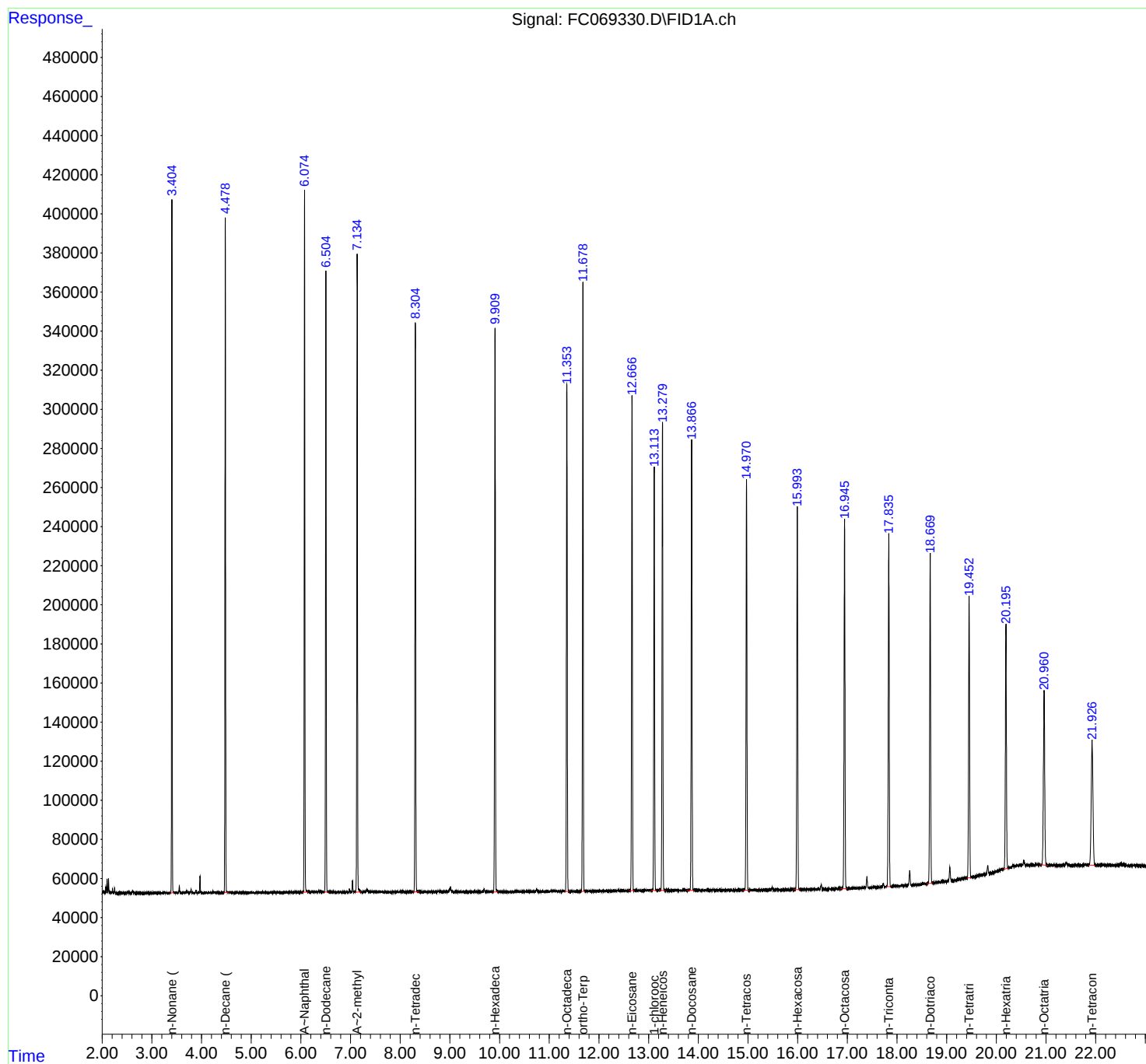
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

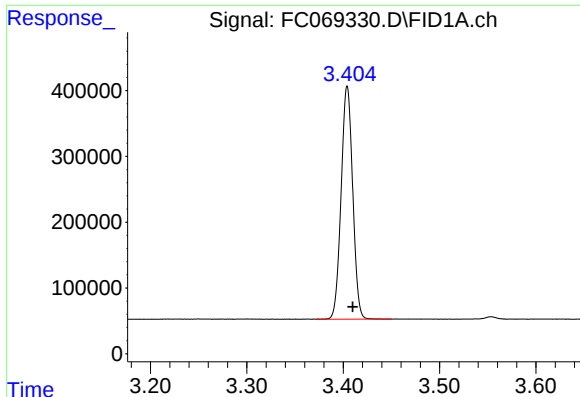
Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 01 05:04:30 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





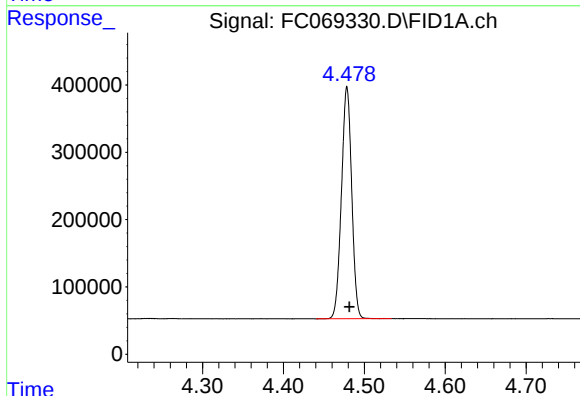
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.006 min
Response: 2944650
Conc: 20.71 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

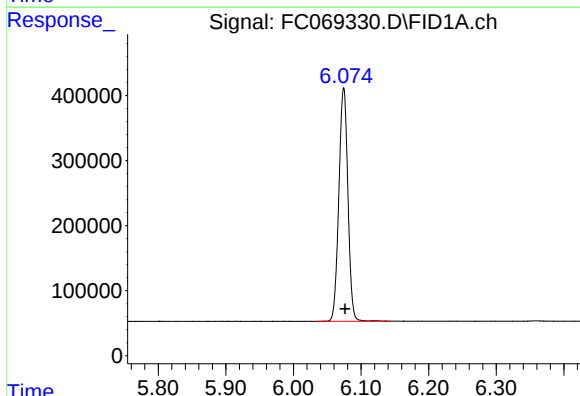
Manual Integrations
APPROVED

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



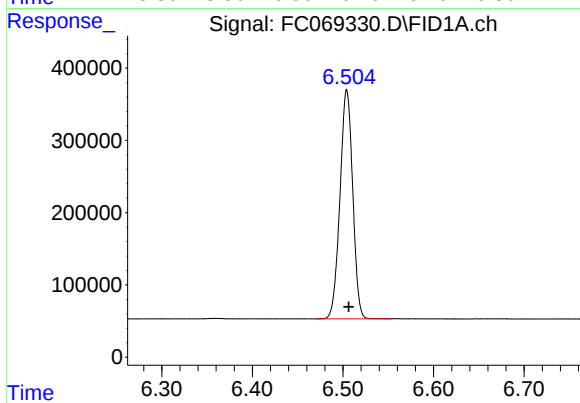
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.003 min
Response: 3040401
Conc: 20.77 ug/ml



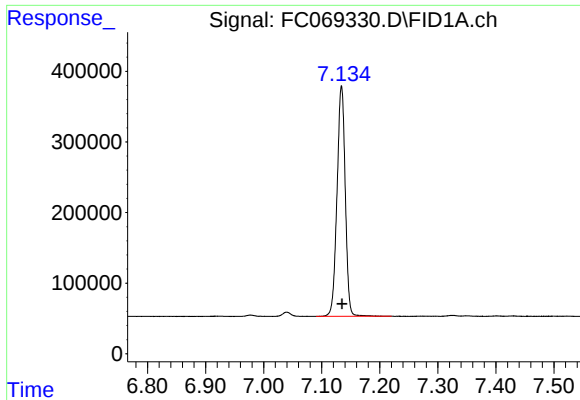
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 3335251
Conc: 20.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.002 min
Response: 3096198
Conc: 20.45 ug/ml



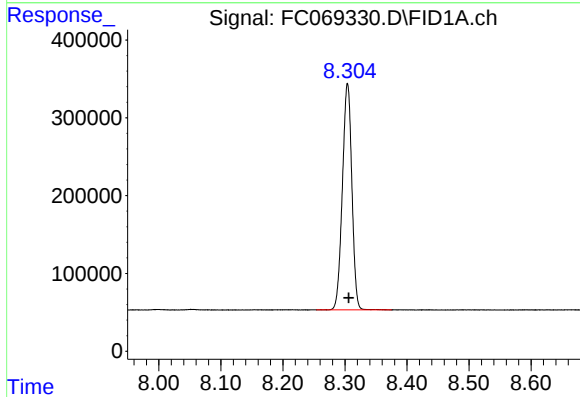
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.001 min
Response: 3227847
Conc: 20.40 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

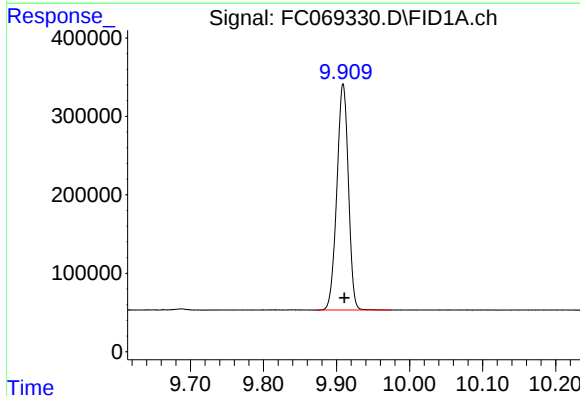
Manual Integrations
APPROVED

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



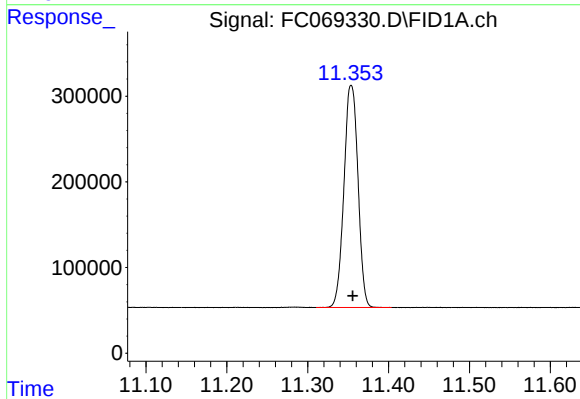
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.002 min
Response: 3088595
Conc: 19.93 ug/ml



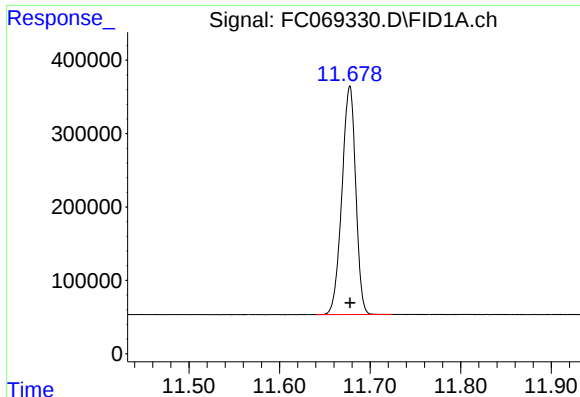
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.002 min
Response: 3162946
Conc: 19.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.002 min
Response: 3126173
Conc: 19.15 ug/ml



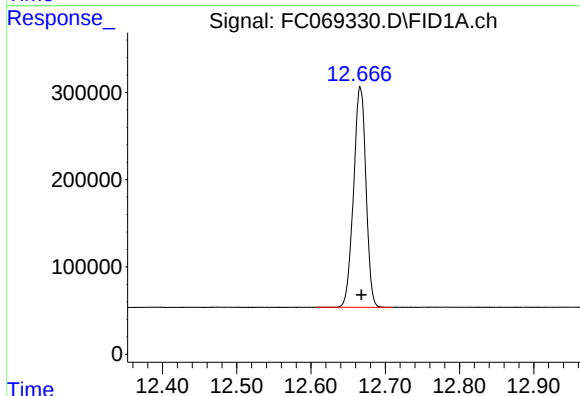
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: 0.000 min
Response: 3299337
Conc: 19.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

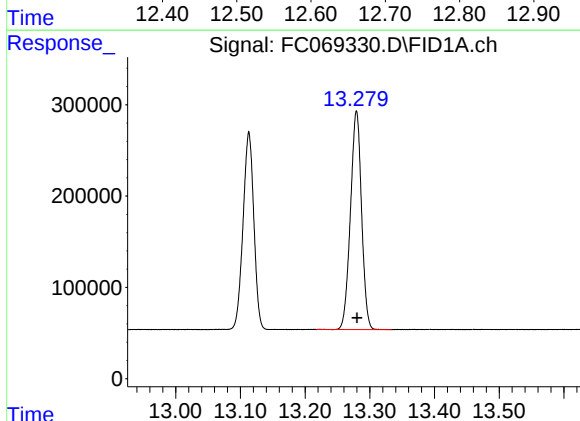
Manual Integrations
APPROVED

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



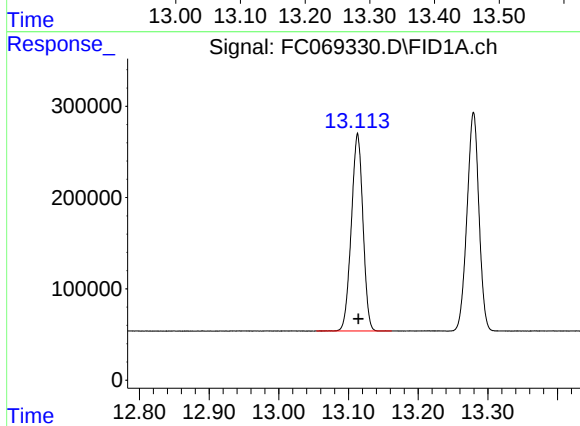
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.001 min
Response: 2936273
Conc: 19.24 ug/ml



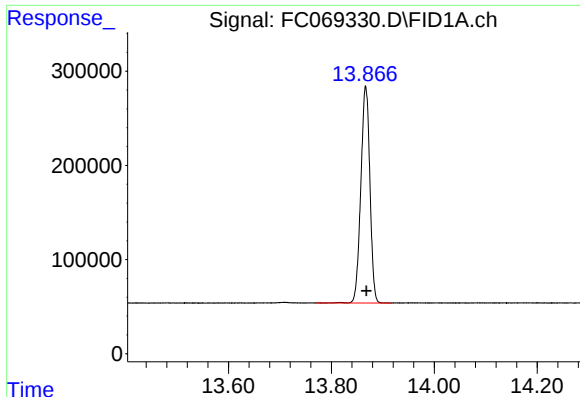
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.001 min
Response: 2849741
Conc: 19.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.001 min
Response: 2504609
Conc: 19.17 ug/ml



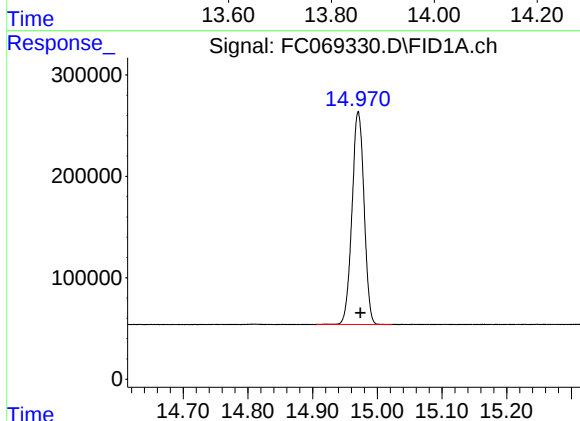
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.001 min
Response: 2808237
Conc: 19.52 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

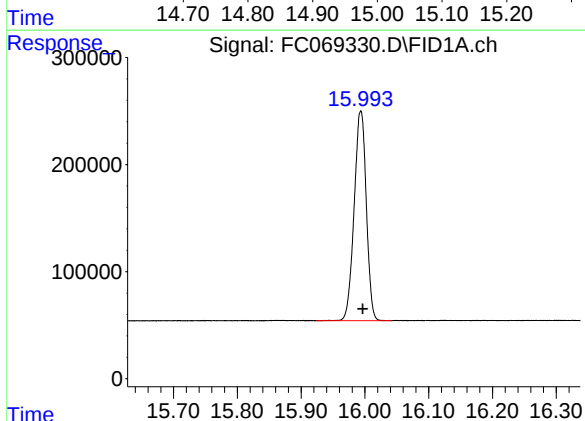
Manual Integrations
APPROVED

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



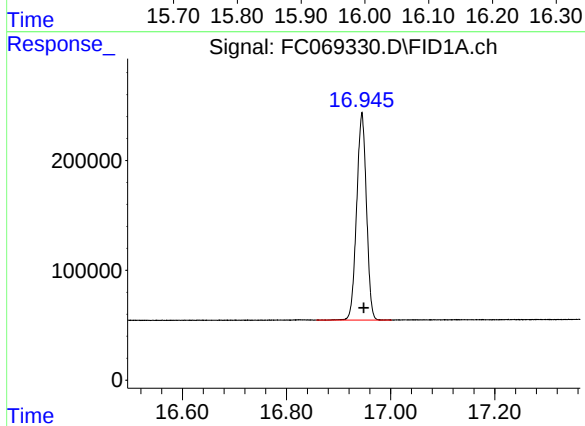
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.003 min
Response: 2714147
Conc: 19.68 ug/ml



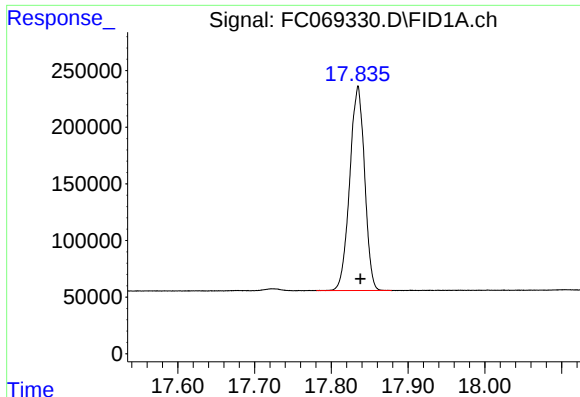
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.003 min
Response: 2587077
Conc: 19.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.945 min
Delta R.T.: -0.004 min
Response: 2464276
Conc: 19.98 ug/ml



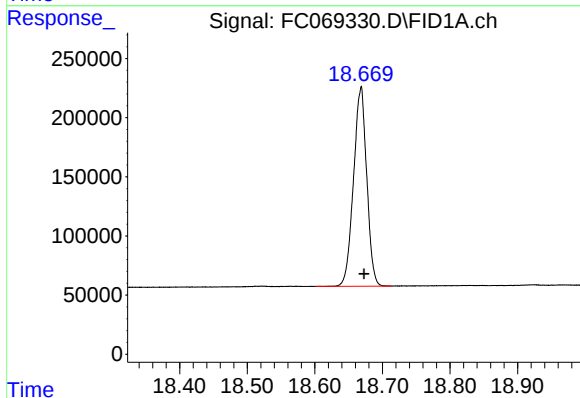
#17 n-Tricontane (C30)

R.T.: 17.834 min
Delta R.T.: -0.003 min
Response: 2430366
Conc: 20.44 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

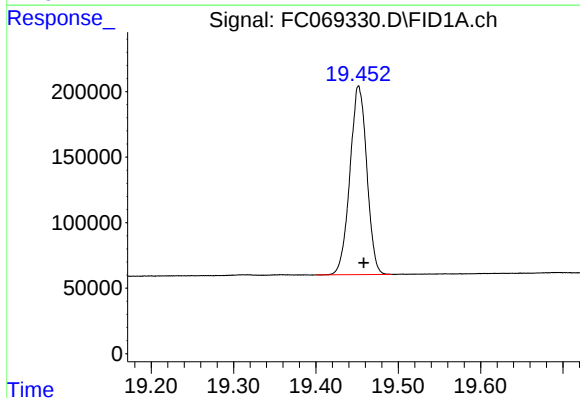
Manual Integrations
APPROVED

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



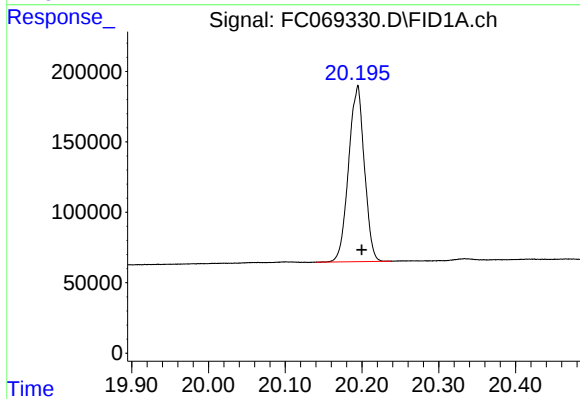
#18 n-Dotriacontane (C32)

R.T.: 18.668 min
Delta R.T.: -0.005 min
Response: 2282457
Conc: 20.88 ug/ml



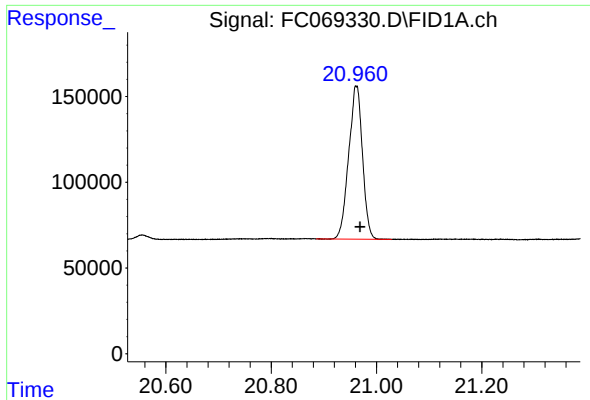
#19 n-Tetratriacontane (C34)

R.T.: 19.452 min
Delta R.T.: -0.006 min
Response: 2050615
Conc: 21.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.194 min
Delta R.T.: -0.006 min
Response: 1781816
Conc: 21.62 ug/ml



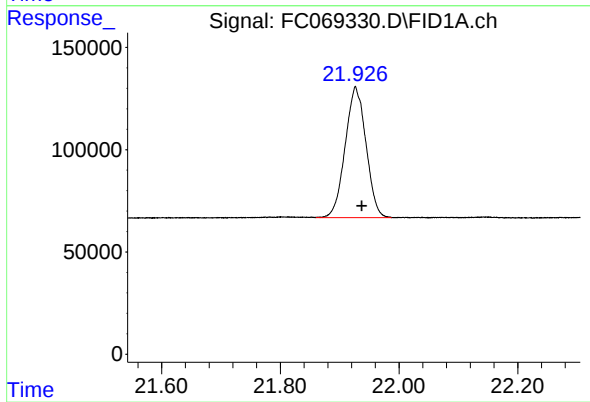
#21 n-Octatriacontane (C38)

R.T.: 20.962 min
Delta R.T.: -0.007 min
Response: 1621831
Conc: 21.70 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.: 21.926 min
Delta R.T.: -0.011 min
Response: 1556934
Conc: 21.99 ug/ml m