

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060225AL\
 Data File : FC069064.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jun 2025 21:25
 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 06/03/2025
 Supervised By :mohammad ahmed 06/04/2025

Integration File: autoint1.e
 Quant Time: Jun 03 07:39:01 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)	11.676	2475127	20.067 ug/ml
Spiked Amount 50.000		Recovery =	40.13%
12) S 1-chlorooctadecane (S...	13.112	1794613	20.004 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
Target Compounds			
1) T n-Nonane (C9)	3.400	2181450	20.556 ug/ml
2) T n-Decane (C10)	4.476	2188181	20.661 ug/ml
3) T A~Naphthalene (C11.7)	6.071	2382733	20.606 ug/ml
4) T n-Dodecane (C12)	6.503	2159880	20.546 ug/ml
5) T A~2-methylnaphthalene...	7.131	2332781	20.577 ug/ml
6) T n-Tetradecane (C14)	8.303	2082600	20.317 ug/ml
7) T n-Hexadecane (C16)	9.908	2029328	20.000 ug/ml
8) T n-Octadecane (C18)	11.353	1994214	19.953 ug/mlm
10) T n-Eicosane (C20)	12.666	1928571	19.801 ug/ml
11) T n-Heneicosane (C21)	13.279	1907340	19.816 ug/ml
13) T n-Docosane (C22)	13.866	1887533	19.813 ug/ml
14) T n-Tetracosane (C24)	14.972	1947289	20.682 ug/ml
15) T n-Hexacosane (C26)	15.994	1826957	19.678 ug/ml
16) T n-Octacosane (C28)	16.947	1805599	19.425 ug/ml
17) T n-Tricontane (C30)	17.836	1844395	19.062 ug/ml
18) T n-Dotriacontane (C32)	18.671	1869211	18.862 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1804650	18.724 ug/ml
20) T n-Hexatriacontane (C36)	20.199	1794484	18.903 ug/ml
21) T n-Octatriacontane (C38)	20.968	1746388	19.142 ug/ml
22) T n-Tetracontane (C40)	21.938	1707813	19.355 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060225AL\
Data File : FC069064.D
Signal(s) : FID1A.ch
Acq On : 02 Jun 2025 21:25
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

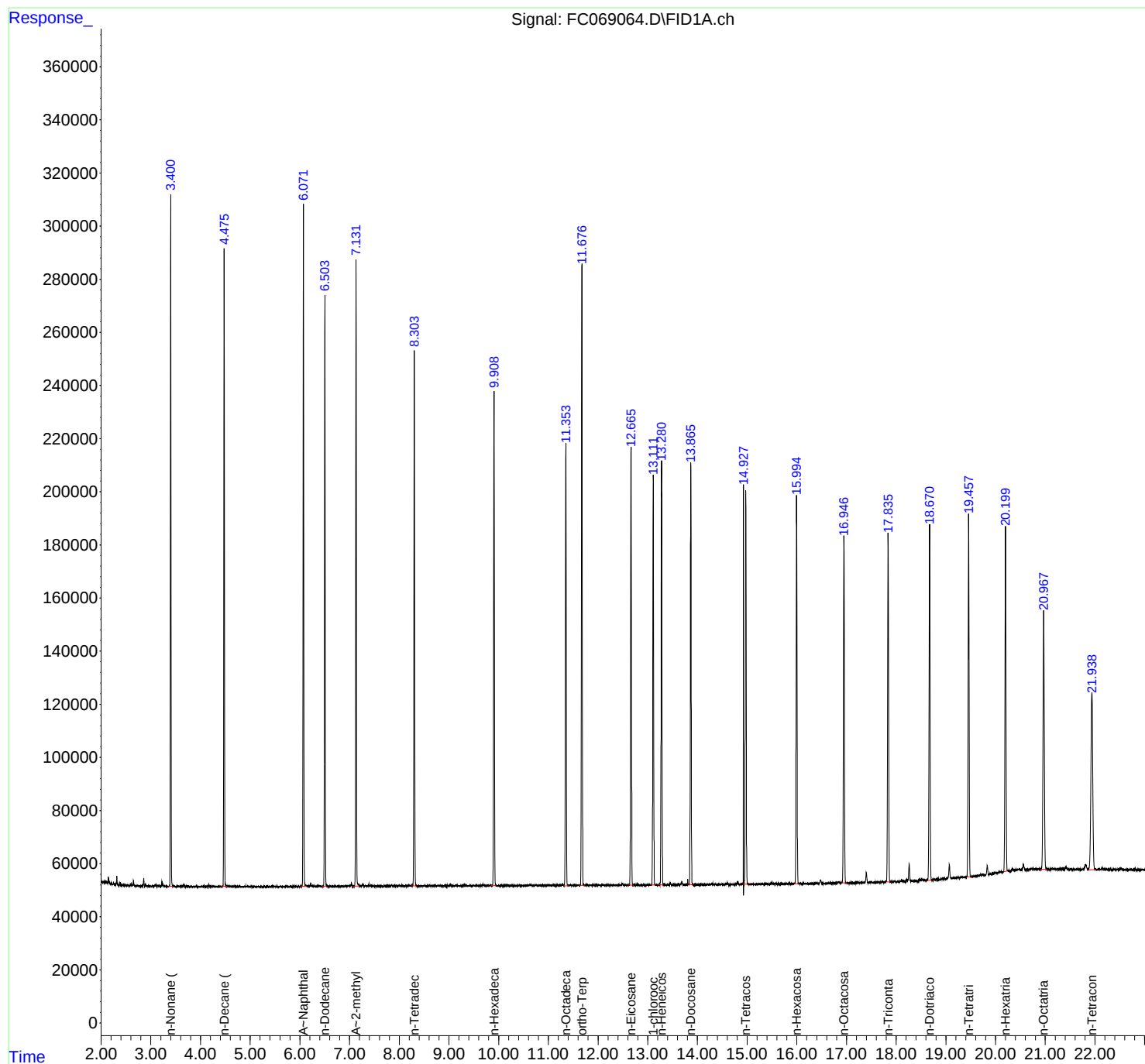
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

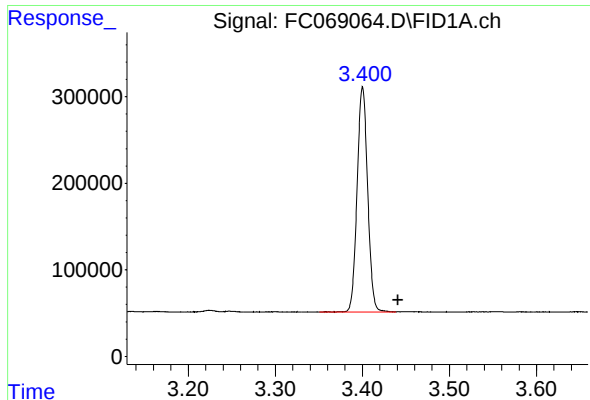
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File: autoint1.e
Quant Time: Jun 03 07:39:01 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





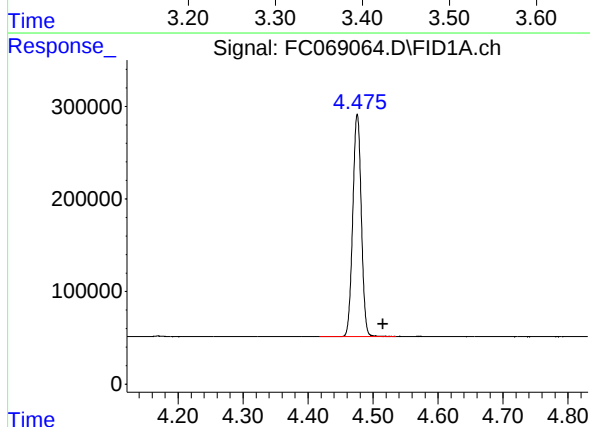
#1 n-Nonane (C9)

R.T.: 3.400 min
Delta R.T.: -0.041 min
Response: 2181450
Conc: 20.56 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

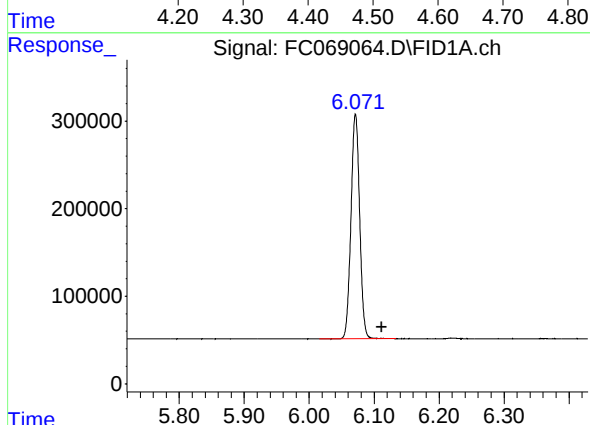
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



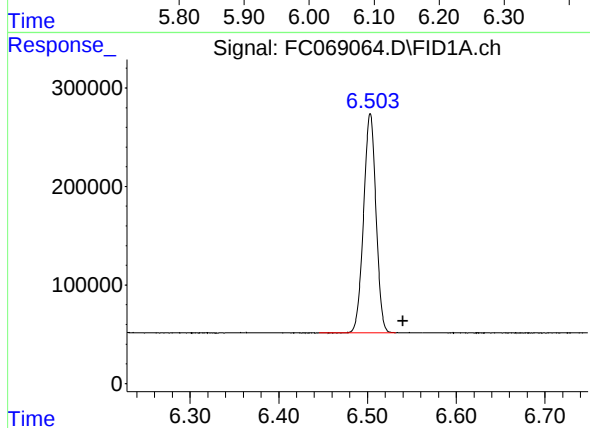
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.040 min
Response: 2188181
Conc: 20.66 ug/ml



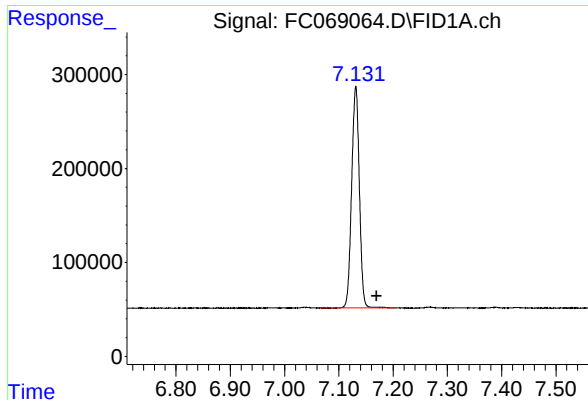
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.041 min
Response: 2382733
Conc: 20.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.037 min
Response: 2159880
Conc: 20.55 ug/ml



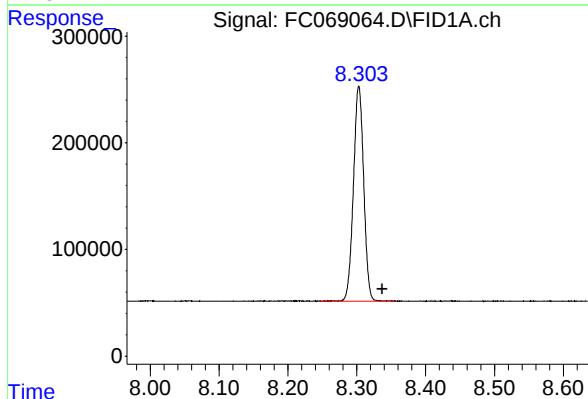
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: -0.039 min
Response: 2332781
Conc: 20.58 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

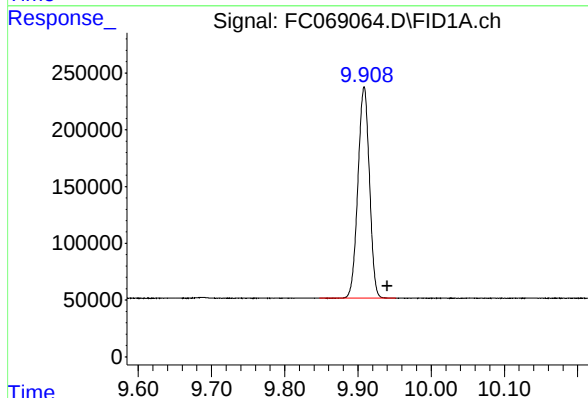
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



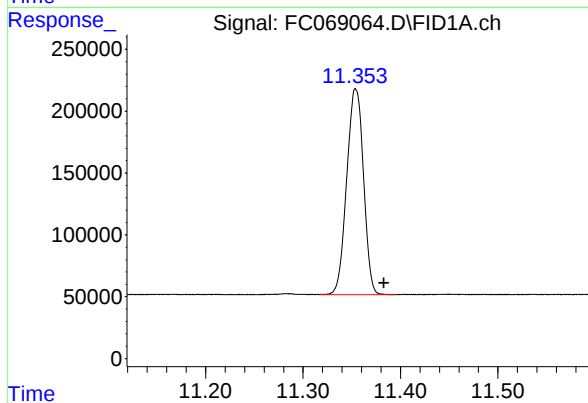
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.034 min
Response: 2082600
Conc: 20.32 ug/ml



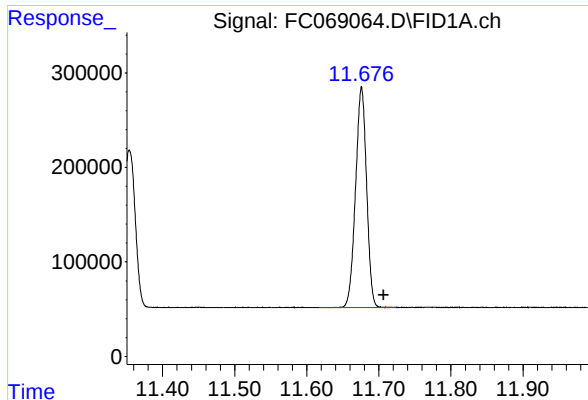
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 2029328
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.030 min
Response: 1994214
Conc: 19.95 ug/ml m



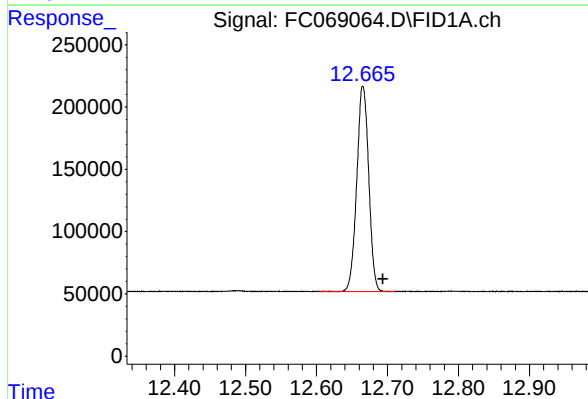
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.031 min
Response: 2475127
Conc: 20.07 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

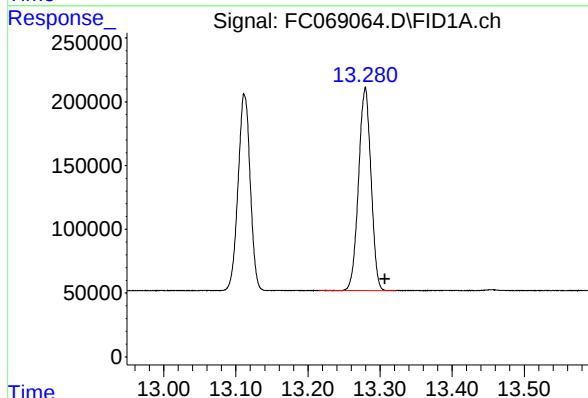
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



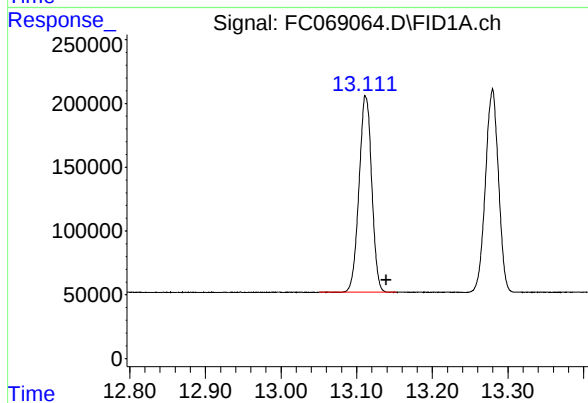
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.028 min
Response: 1928571
Conc: 19.80 ug/ml



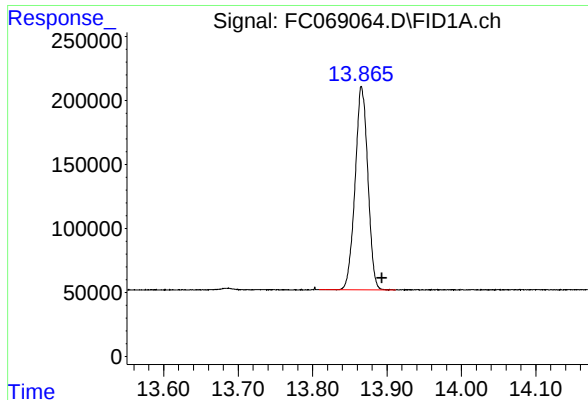
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 1907340
Conc: 19.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.027 min
Response: 1794613
Conc: 20.00 ug/ml



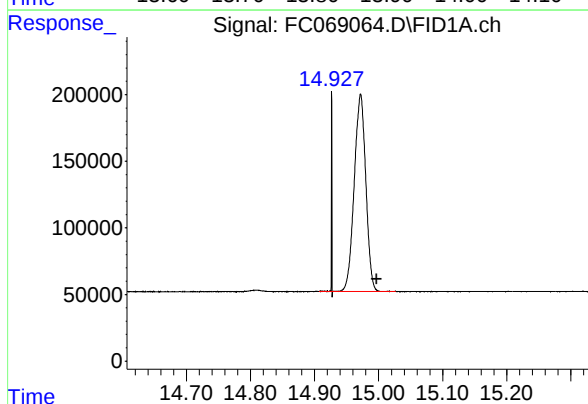
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.027 min
Response: 1887533
Conc: 19.81 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

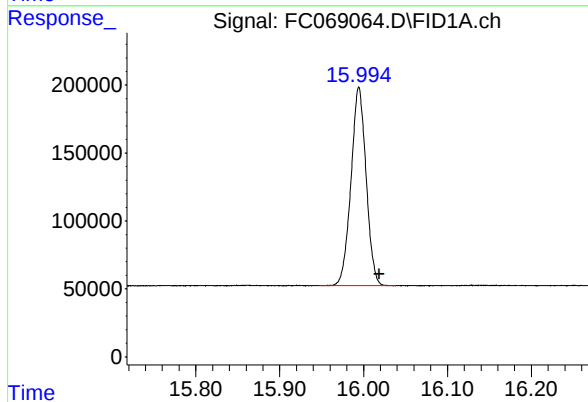
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



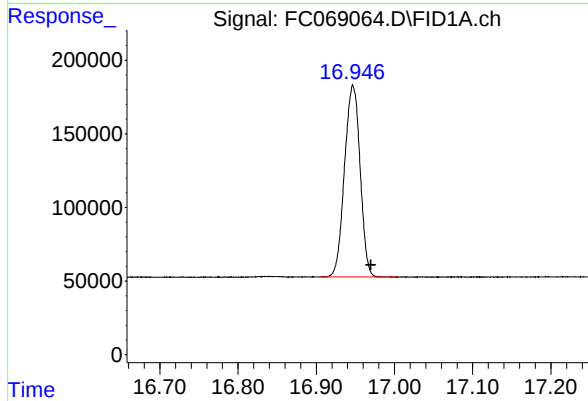
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1947289
Conc: 20.68 ug/ml



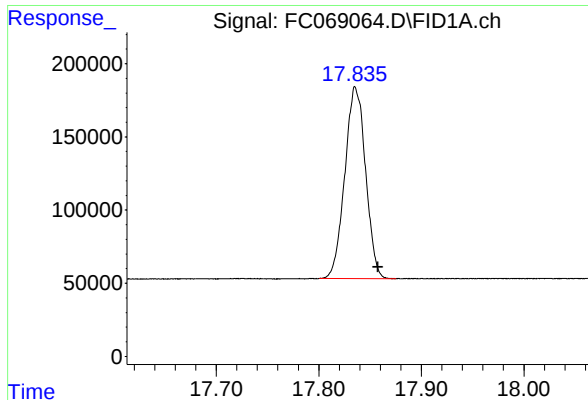
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.024 min
Response: 1826957
Conc: 19.68 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.023 min
Response: 1805599
Conc: 19.42 ug/ml



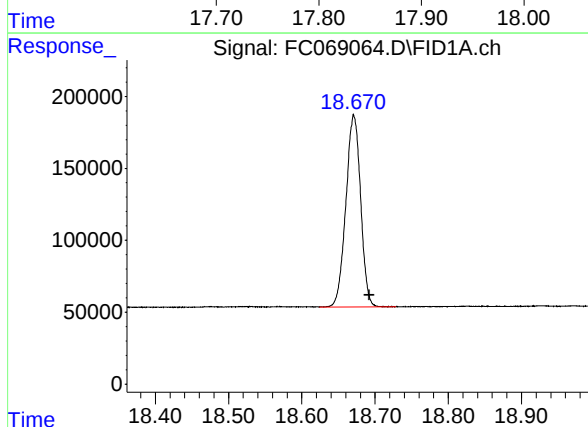
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.022 min
Response: 1844395
Conc: 19.06 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

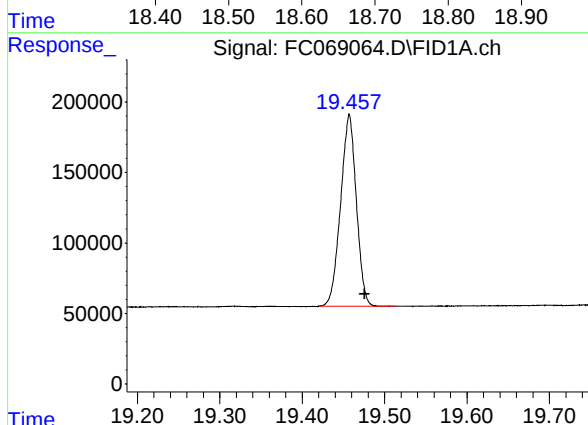
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



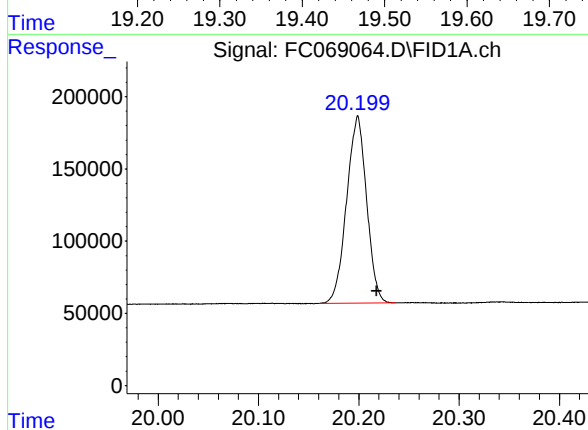
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.021 min
Response: 1869211
Conc: 18.86 ug/ml



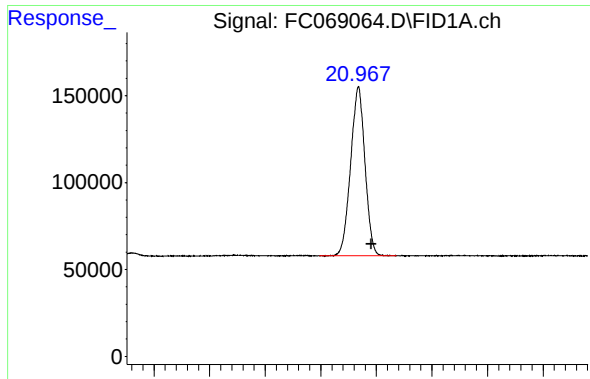
#19 n-Tetratriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.019 min
Response: 1804650
Conc: 18.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: -0.019 min
Response: 1794484
Conc: 18.90 ug/ml



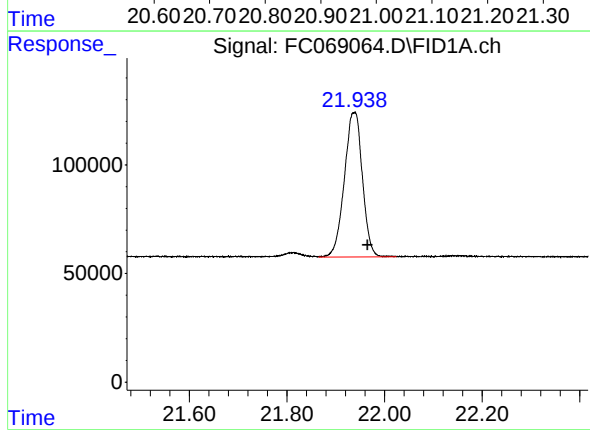
#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.023 min
Response: 1746388
Conc: 19.14 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: -0.027 min
Response: 1707813
Conc: 19.36 ug/ml m