

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
 Data File : FC069200.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 03:21
 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 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 03:44:14 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)	11.677	2262336	18.342 ug/ml
Spiked Amount 50.000		Recovery =	36.68%
12) S 1-chlorooctadecane (S...	13.113	1586368	17.683 ug/ml
Spiked Amount 50.000		Recovery =	35.37%
Target Compounds			
1) T n-Nonane (C9)	3.404	1967423	18.539 ug/ml
2) T n-Decane (C10)	4.479	1987266	18.764 ug/ml
3) T A~Naphthalene (C11.7)	6.075	2180582	18.857 ug/ml
4) T n-Dodecane (C12)	6.506	1929596	18.356 ug/ml
5) T A~2-methylnaphthalene...	7.134	2119914	18.699 ug/ml
6) T n-Tetradecane (C14)	8.305	1834294	17.895 ug/ml
7) T n-Hexadecane (C16)	9.909	1782875	17.571 ug/ml
8) T n-Octadecane (C18)	11.353	1756544	17.575 ug/mlm
10) T n-Eicosane (C20)	12.666	1698706	17.441 ug/ml
11) T n-Heneicosane (C21)	13.279	1681016	17.465 ug/ml
13) T n-Docosane (C22)	13.867	1703238	17.878 ug/ml
14) T n-Tetracosane (C24)	14.970	1774544	18.847 ug/mlm
15) T n-Hexacosane (C26)	15.994	1820905	19.613 ug/ml
16) T n-Octacosane (C28)	16.946	1907588	20.522 ug/ml
17) T n-Tricontane (C30)	17.835	2066169	21.354 ug/ml
18) T n-Dotriacontane (C32)	18.670	2147235	21.668 ug/ml
19) T n-Tetratriacontane (C34)	19.455	1986641	20.613 ug/ml
20) T n-Hexatriacontane (C36)	20.197	1876724	19.770 ug/ml
21) T n-Octatriacontane (C38)	20.965	1757568	19.264 ug/ml
22) T n-Tetracontane (C40)	21.934	1672352	18.953 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069200.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 03:21
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

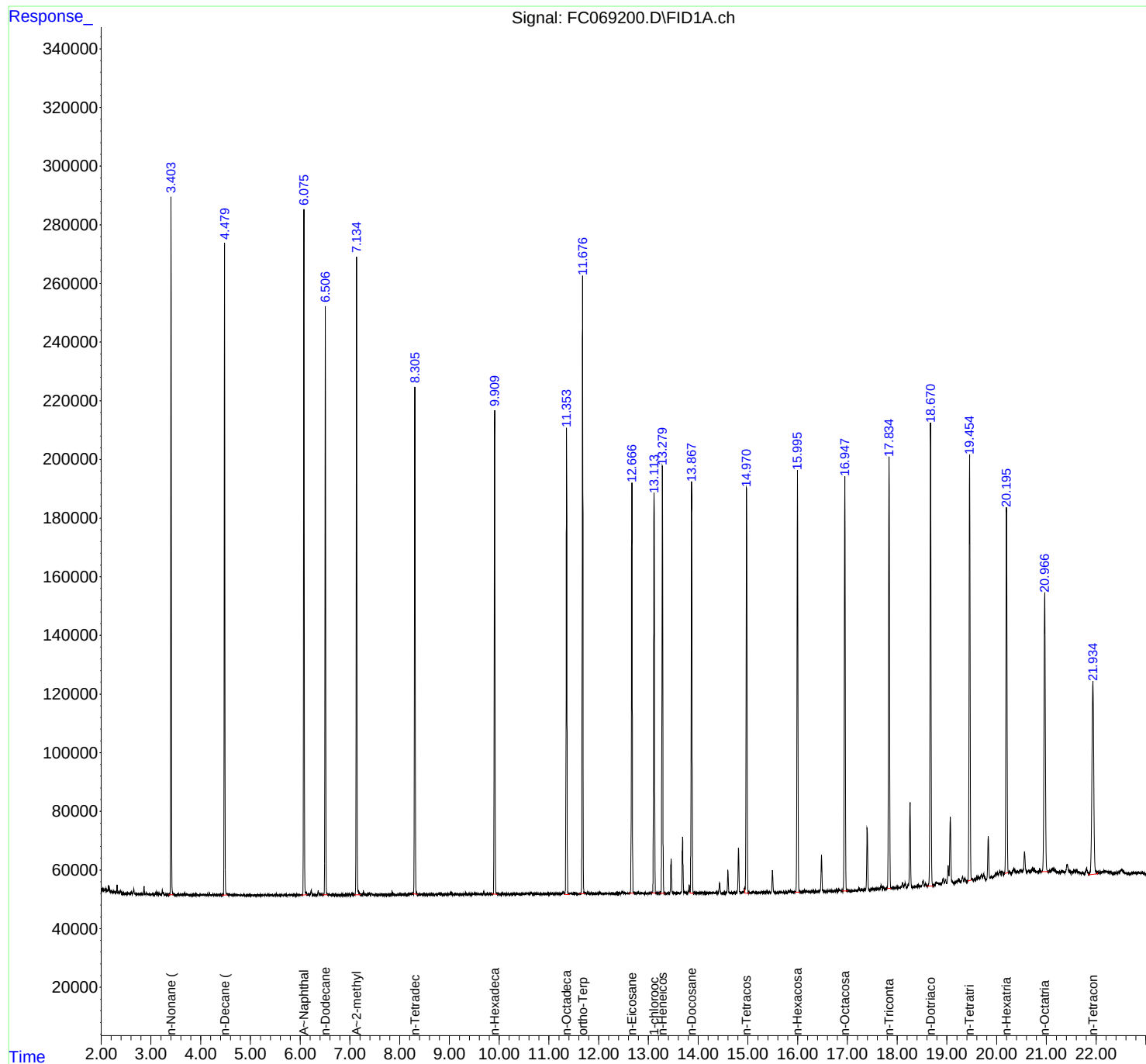
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

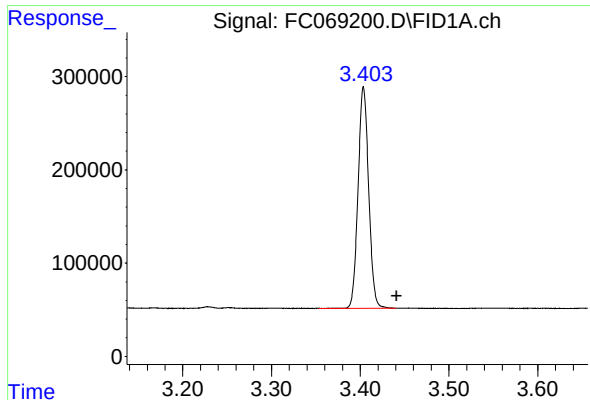
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
Quant Time: Jun 13 03:44:14 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





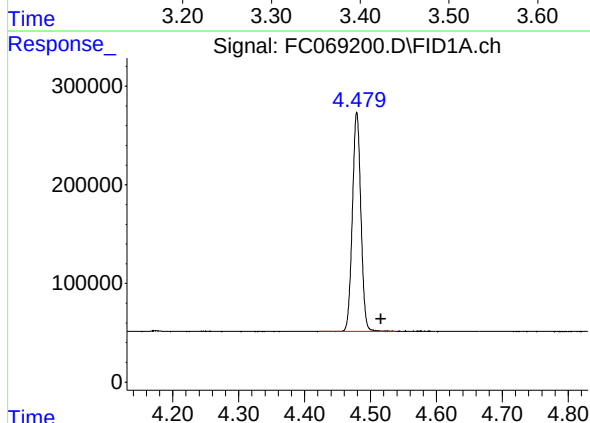
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.037 min
Response: 1967423
Conc: 18.54 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

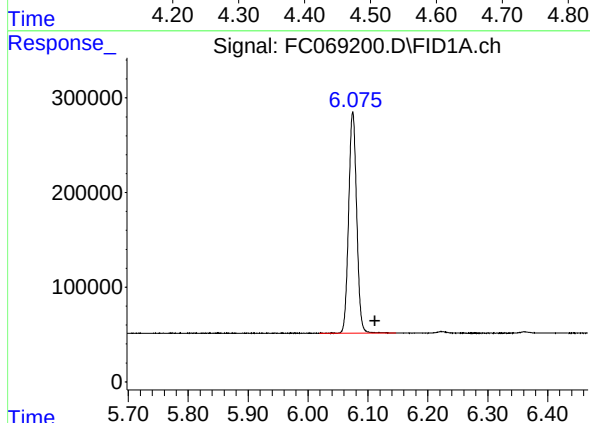
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



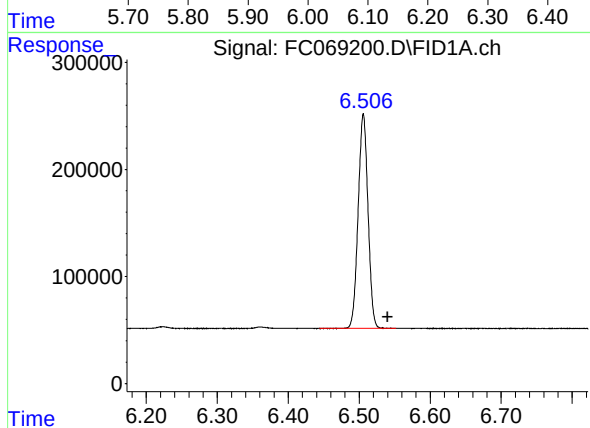
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.036 min
Response: 1987266
Conc: 18.76 ug/ml



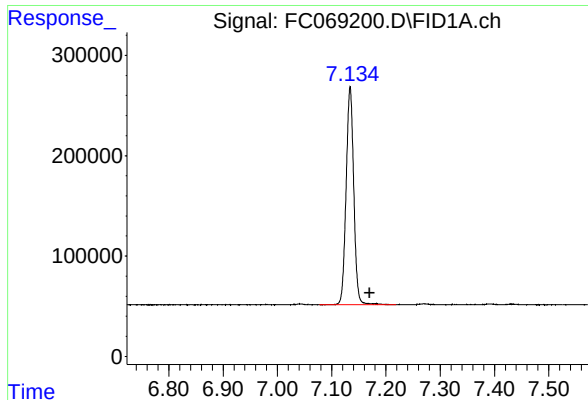
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.037 min
Response: 2180582
Conc: 18.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: -0.034 min
Response: 1929596
Conc: 18.36 ug/ml



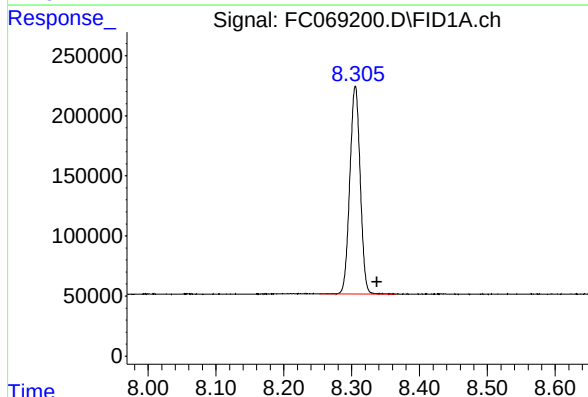
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.036 min
Response: 2119914
Conc: 18.70 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

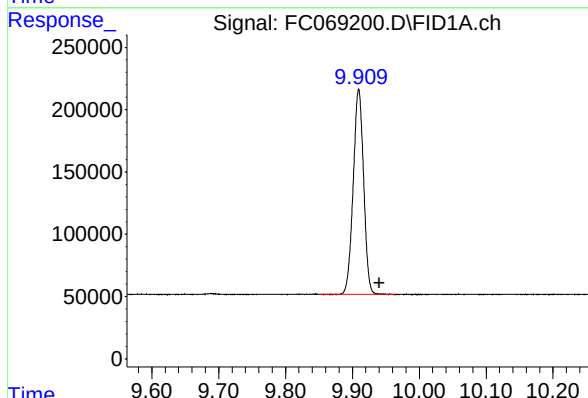
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



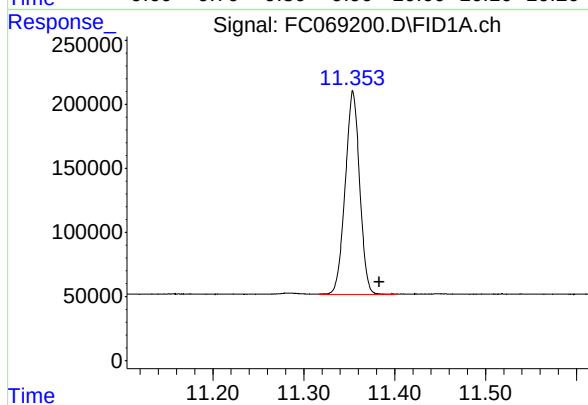
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.032 min
Response: 1834294
Conc: 17.89 ug/ml



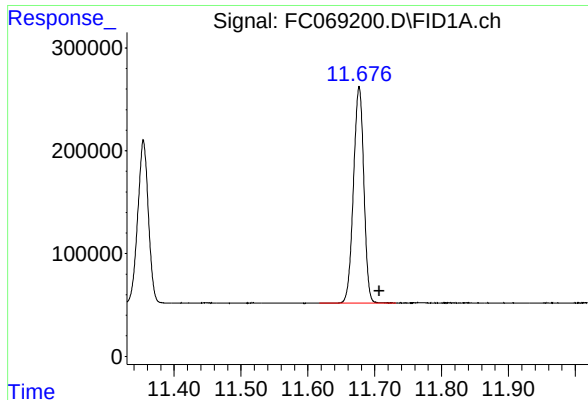
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 1782875
Conc: 17.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.030 min
Response: 1756544
Conc: 17.58 ug/ml m



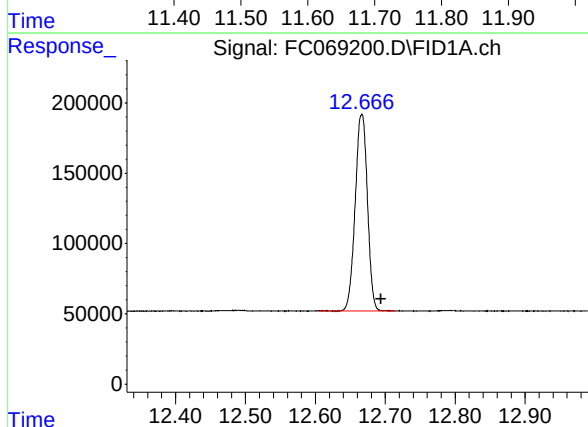
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: -0.030 min
Response: 2262336
Conc: 18.34 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

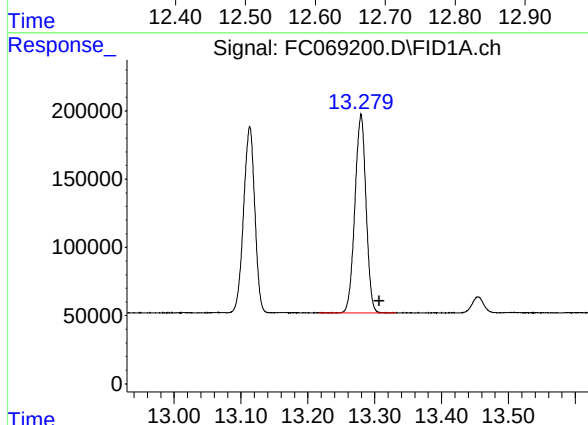
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



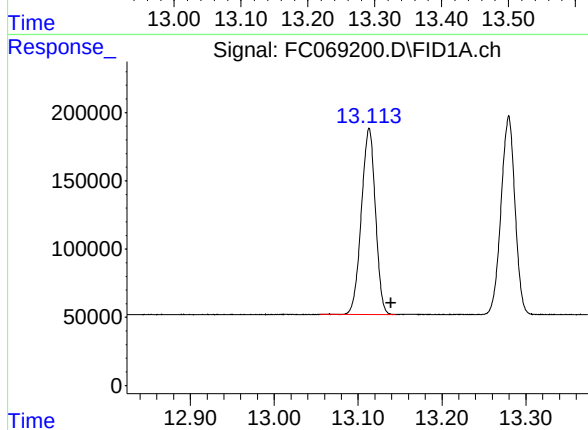
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.027 min
Response: 1698706
Conc: 17.44 ug/ml



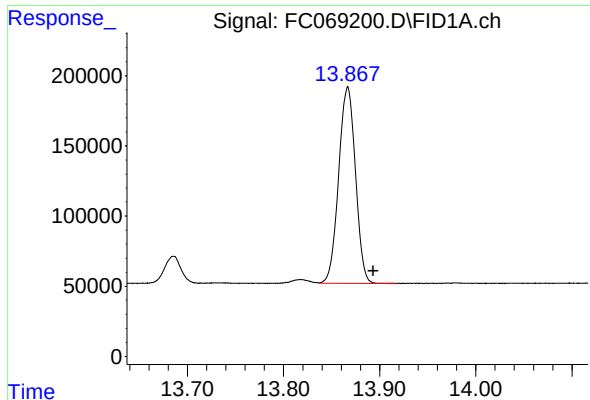
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 1681016
Conc: 17.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 1586368
Conc: 17.68 ug/ml



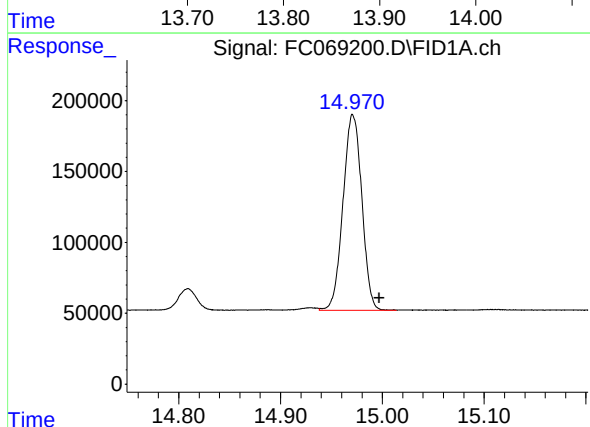
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.027 min
Response: 1703238
Conc: 17.88 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

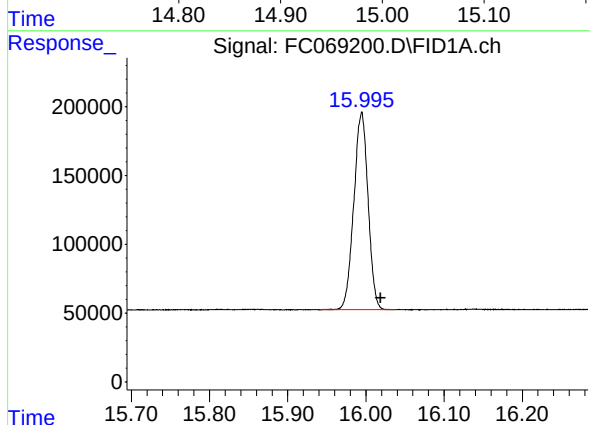
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



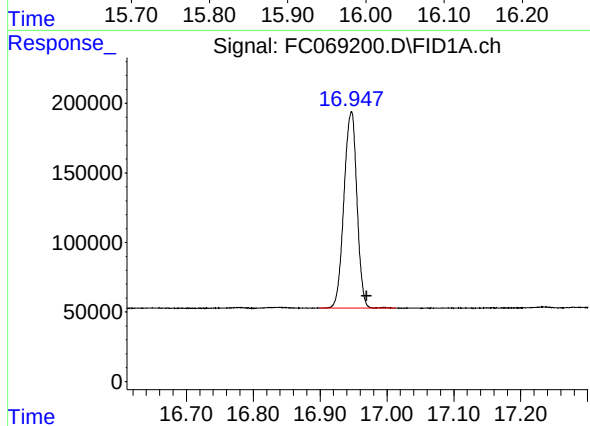
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: -0.027 min
Response: 1774544
Conc: 18.85 ug/ml m



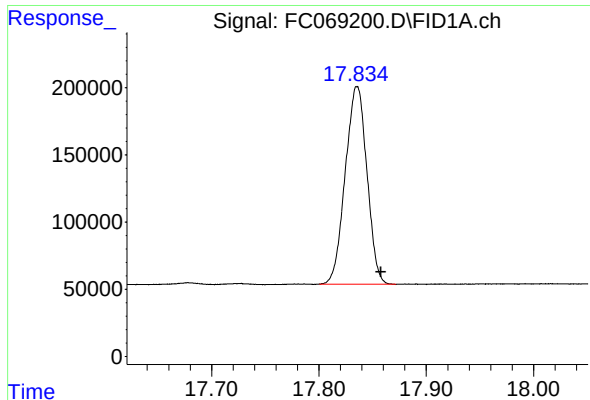
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.024 min
Response: 1820905
Conc: 19.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.946 min
Delta R.T.: -0.023 min
Response: 1907588
Conc: 20.52 ug/ml



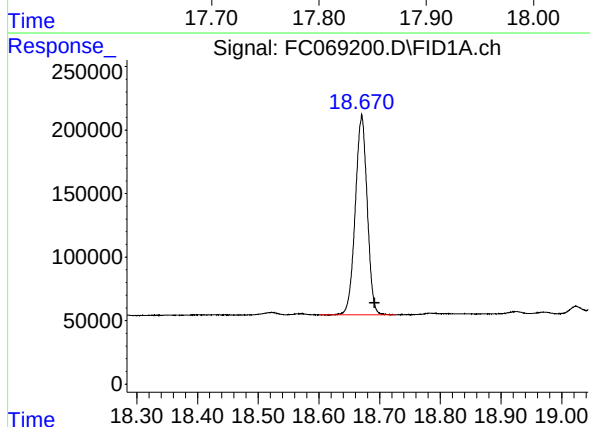
#17 n-Tricontane (C30)

R.T.: 17.835 min
Delta R.T.: -0.022 min
Response: 2066169
Conc: 21.35 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

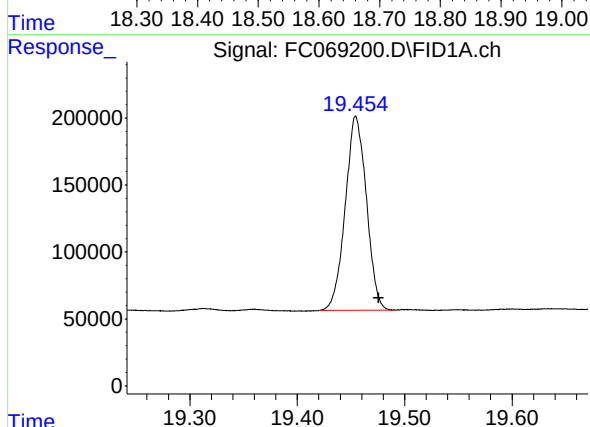
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



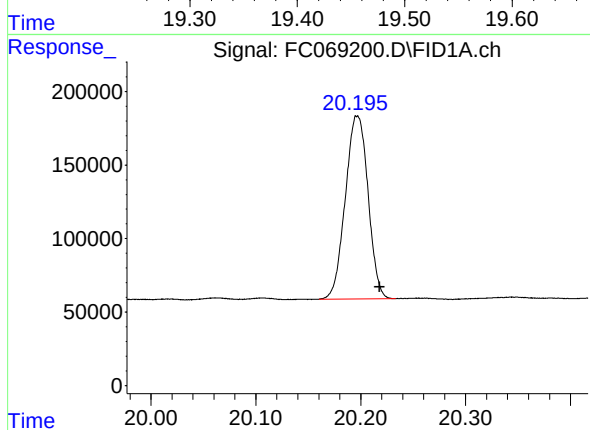
#18 n-Dotriacontane (C32)

R.T.: 18.670 min
Delta R.T.: -0.022 min
Response: 2147235
Conc: 21.67 ug/ml



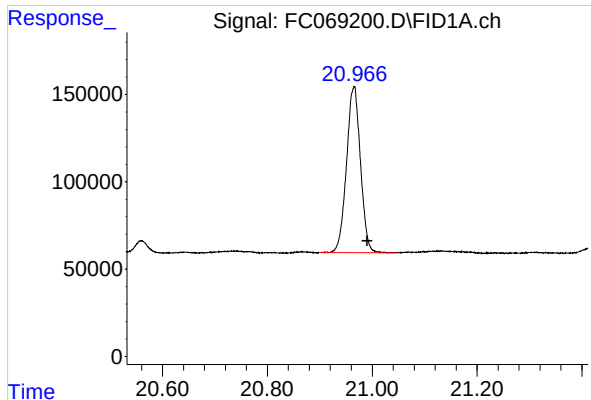
#19 n-Tetratriacontane (C34)

R.T.: 19.455 min
Delta R.T.: -0.021 min
Response: 1986641
Conc: 20.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.197 min
Delta R.T.: -0.021 min
Response: 1876724
Conc: 19.77 ug/ml



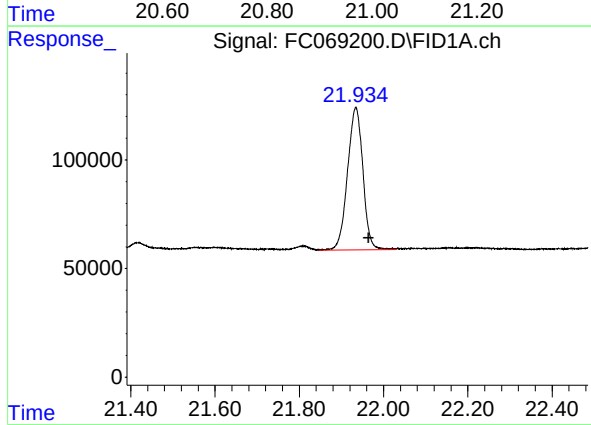
#21 n-Octatriacontane (C38)

R.T.: 20.965 min
Delta R.T.: -0.026 min
Response: 1757568
Conc: 19.26 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



#22 n-Tetracontane (C40)

R.T.: 21.934 min
Delta R.T.: -0.031 min
Response: 1672352
Conc: 18.95 ug/ml m