

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060525AL\
 Data File : FC069080.D
 Signal(s) : FID1A.ch
 Acq On : 05 Jun 2025 09:34
 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 06/06/2025
 Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e
 Quant Time: Jun 06 04:09:00 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	2459162	19.937 ug/ml
Spiked Amount 50.000		Recovery =	39.87%
12) S 1-chlorooctadecane (S...	13.112	1742580	19.424 ug/ml
Spiked Amount 50.000		Recovery =	38.85%
Target Compounds			
1) T n-Nonane (C9)	3.401	2208107	20.807 ug/ml
2) T n-Decane (C10)	4.476	2211868	20.885 ug/ml
3) T A~Naphthalene (C11.7)	6.072	2382737	20.606 ug/ml
4) T n-Dodecane (C12)	6.503	2182295	20.760 ug/ml
5) T A~2-methylnaphthalene...	7.132	2324963	20.508 ug/ml
6) T n-Tetradecane (C14)	8.304	2096437	20.452 ug/ml
7) T n-Hexadecane (C16)	9.908	2031782	20.024 ug/ml
8) T n-Octadecane (C18)	11.353	1981694	19.828 ug/mlm
10) T n-Eicosane (C20)	12.665	1914453	19.656 ug/ml
11) T n-Heneicosane (C21)	13.280	1887681	19.612 ug/ml
13) T n-Docosane (C22)	13.866	1873320	19.664 ug/ml
14) T n-Tetracosane (C24)	14.972	1843284	19.578 ug/ml
15) T n-Hexacosane (C26)	15.995	1823259	19.638 ug/ml
16) T n-Octacosane (C28)	16.947	1828014	19.666 ug/ml
17) T n-Tricontane (C30)	17.836	1908595	19.726 ug/ml
18) T n-Dotriacontane (C32)	18.671	1941926	19.596 ug/ml
19) T n-Tetratriacontane (C34)	19.456	1853077	19.227 ug/ml
20) T n-Hexatriacontane (C36)	20.198	1784757	18.801 ug/ml
21) T n-Octatriacontane (C38)	20.967	1656931	18.161 ug/ml
22) T n-Tetracontane (C40)	21.936	1514332	17.163 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060525AL\
Data File : FC069080.D
Signal(s) : FID1A.ch
Acq On : 05 Jun 2025 09:34
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

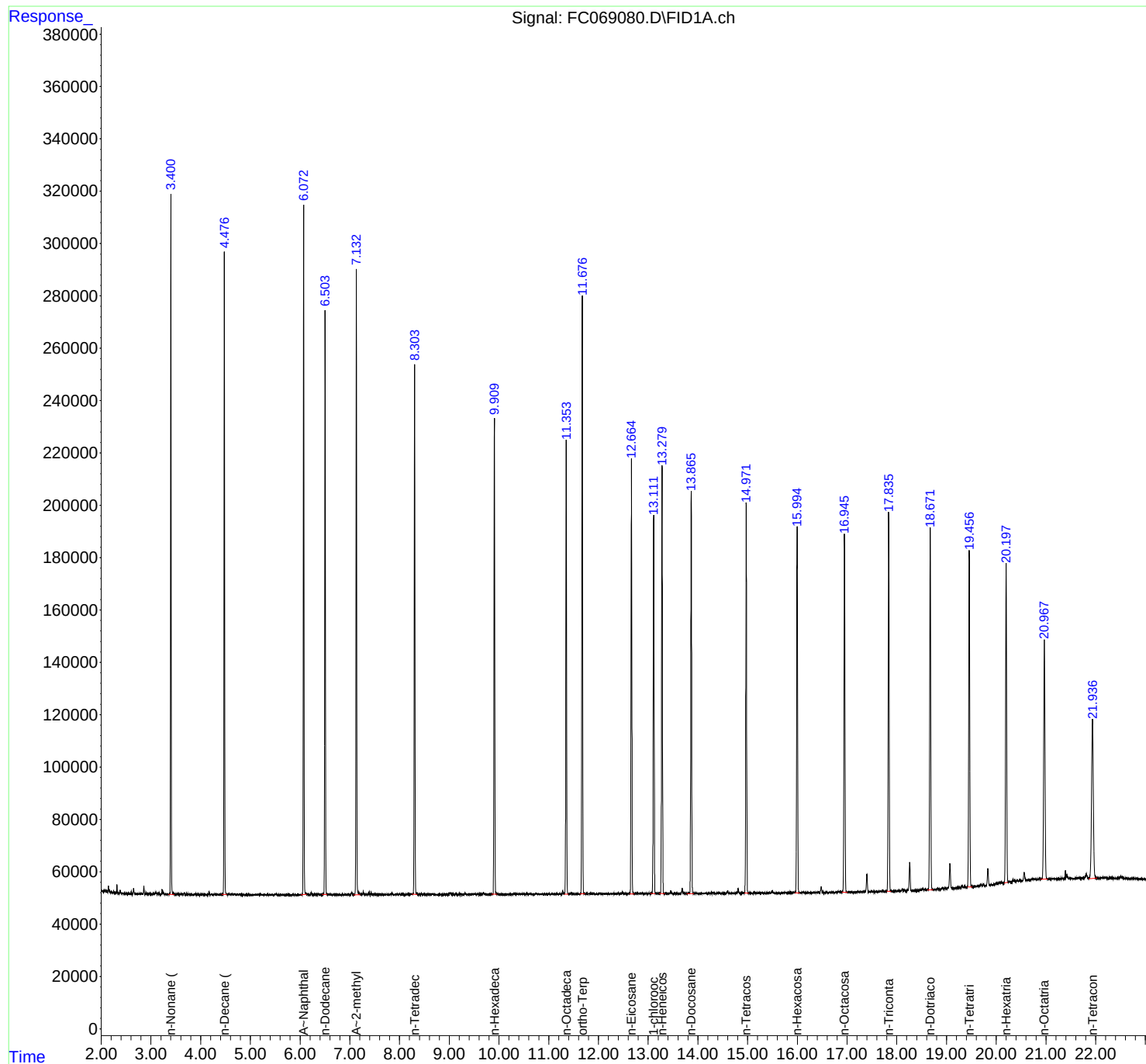
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

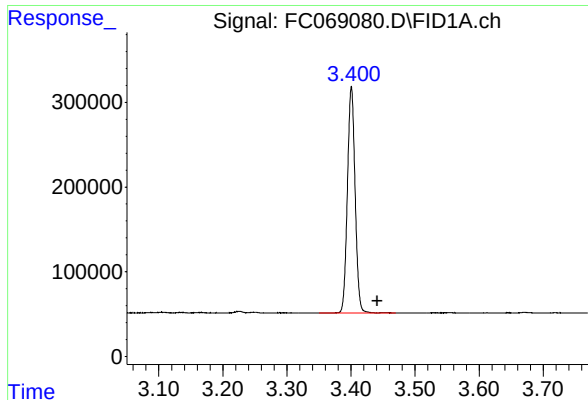
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/06/2025
Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e
Quant Time: Jun 06 04:09:00 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





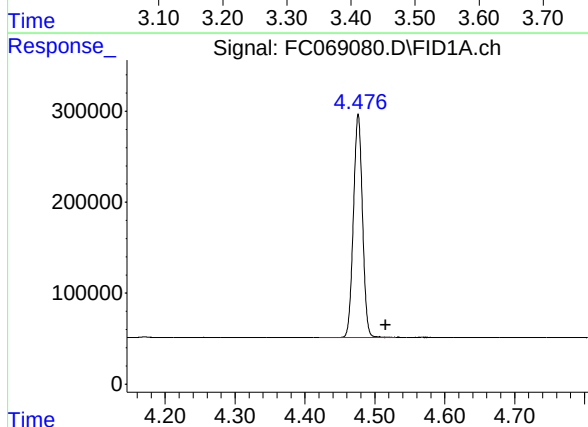
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: -0.040 min
Response: 2208107
Conc: 20.81 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

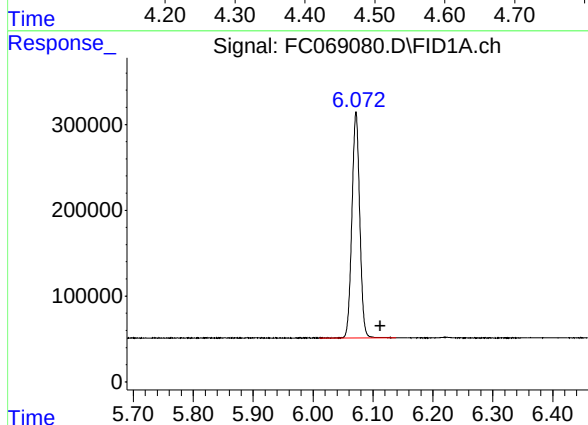
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/06/2025
Supervised By :mohammad ahmed 06/09/2025



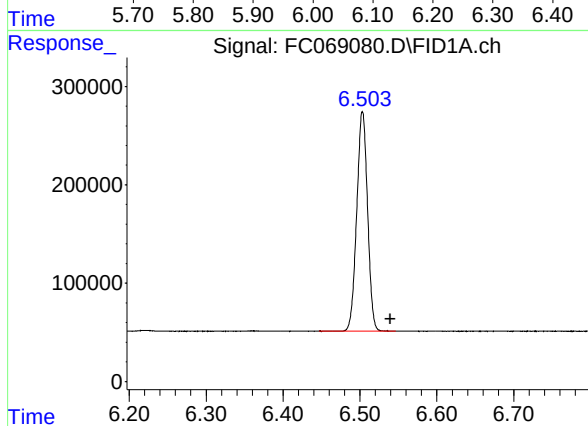
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.039 min
Response: 2211868
Conc: 20.88 ug/ml



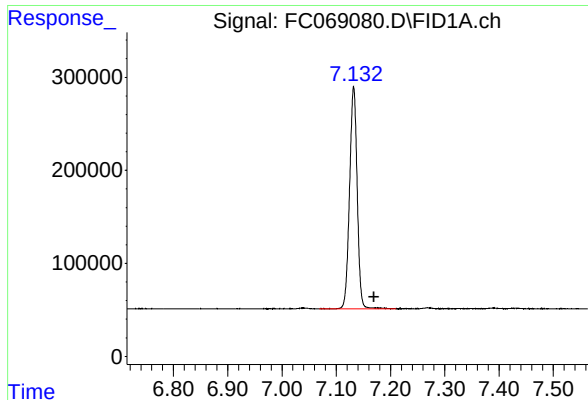
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.040 min
Response: 2382737
Conc: 20.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.036 min
Response: 2182295
Conc: 20.76 ug/ml



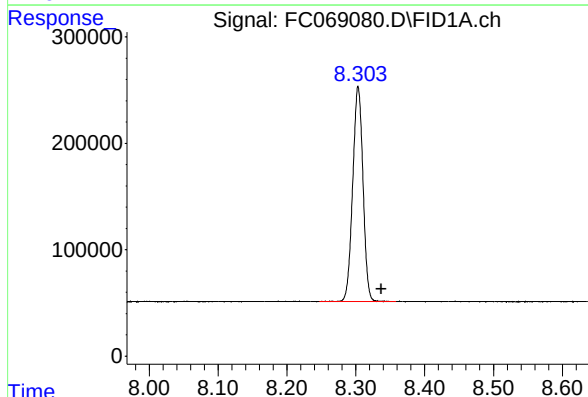
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.038 min
Response: 2324963
Conc: 20.51 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

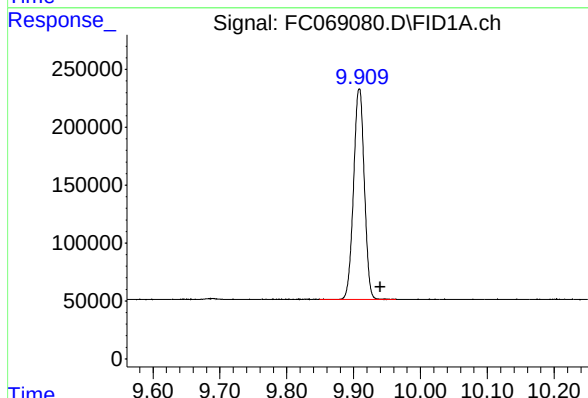
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/06/2025
Supervised By :mohammad ahmed 06/09/2025



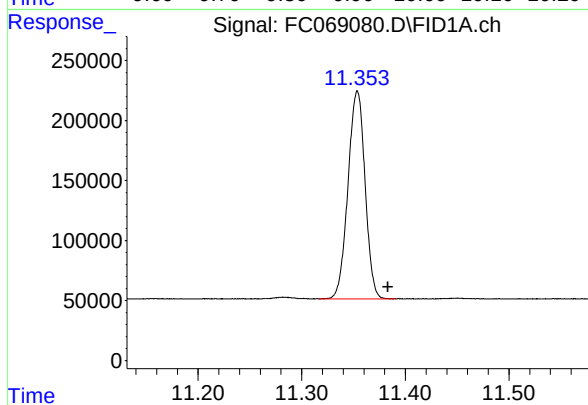
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.034 min
Response: 2096437
Conc: 20.45 ug/ml



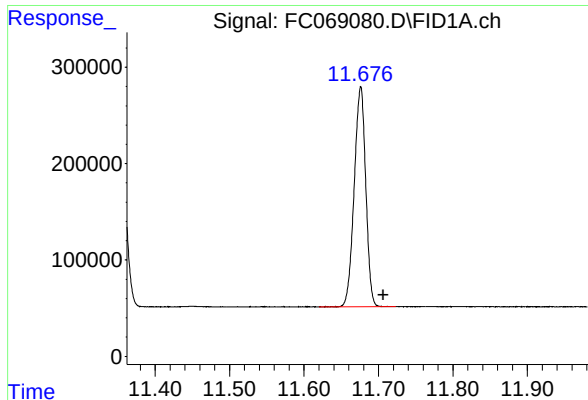
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 2031782
Conc: 20.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.030 min
Response: 1981694
Conc: 19.83 ug/ml m



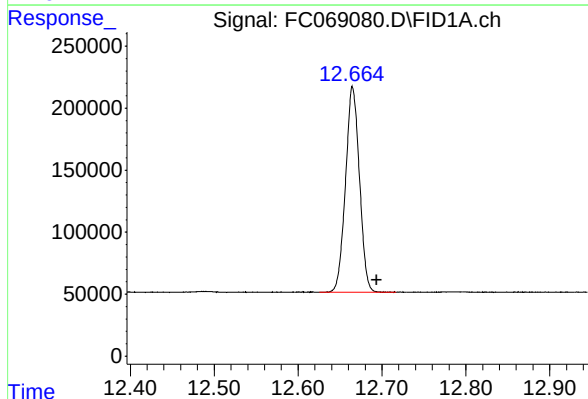
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.031 min
Response: 2459162
Conc: 19.94 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

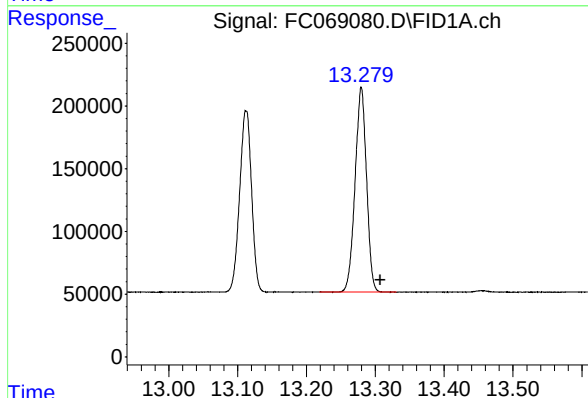
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/06/2025
Supervised By :mohammad ahmed 06/09/2025



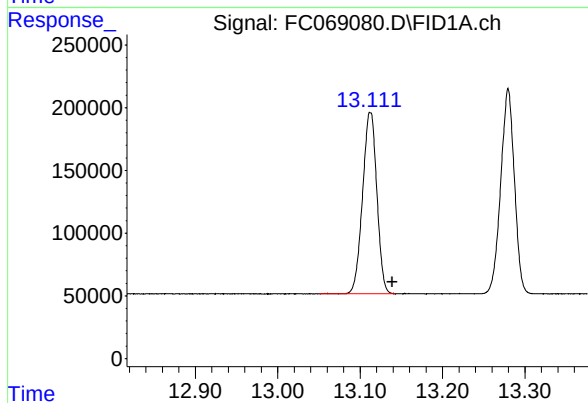
#10 n-Eicosane (C20)

R.T.: 12.665 min
Delta R.T.: -0.028 min
Response: 1914453
Conc: 19.66 ug/ml



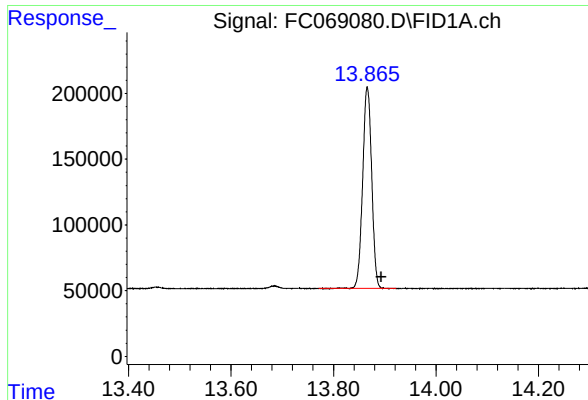
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1887681
Conc: 19.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.027 min
Response: 1742580
Conc: 19.42 ug/ml



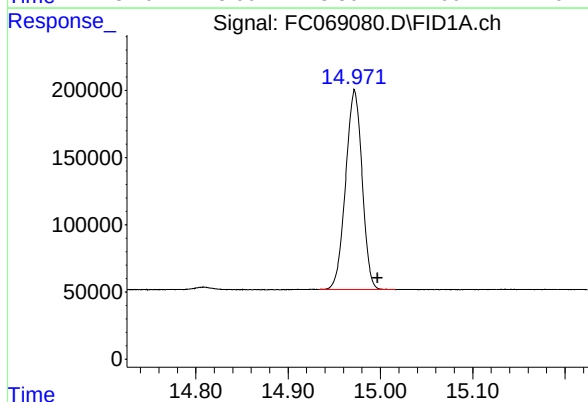
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.027 min
Response: 1873320
Conc: 19.66 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

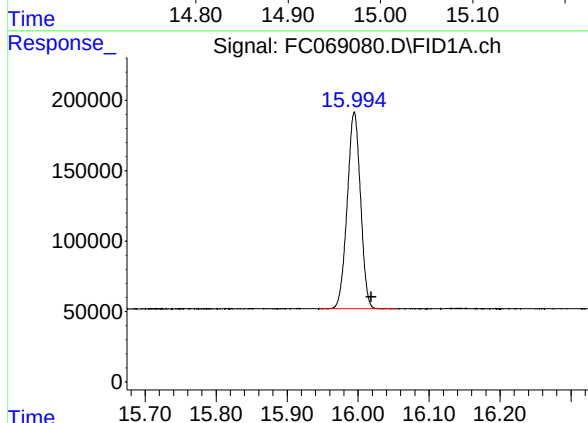
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/06/2025
Supervised By :mohammad ahmed 06/09/2025



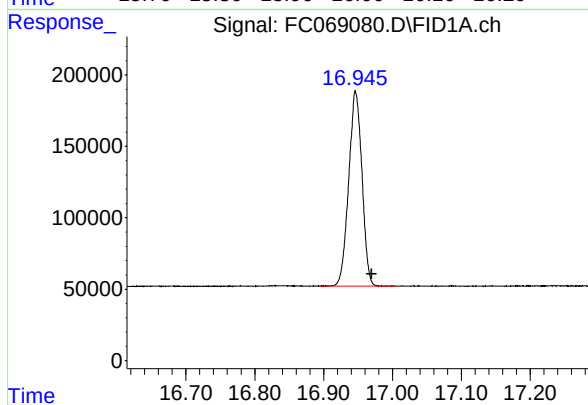
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1843284
Conc: 19.58 ug/ml



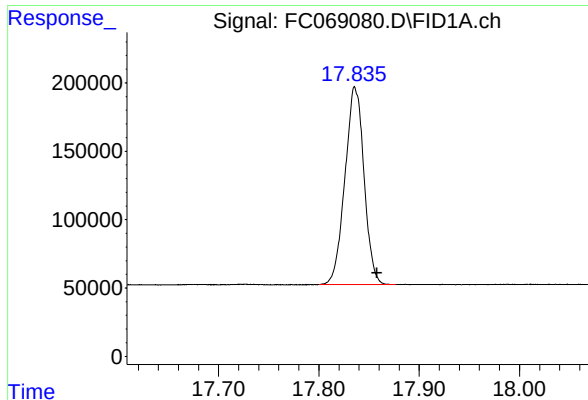
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.024 min
Response: 1823259
Conc: 19.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.023 min
Response: 1828014
Conc: 19.67 ug/ml



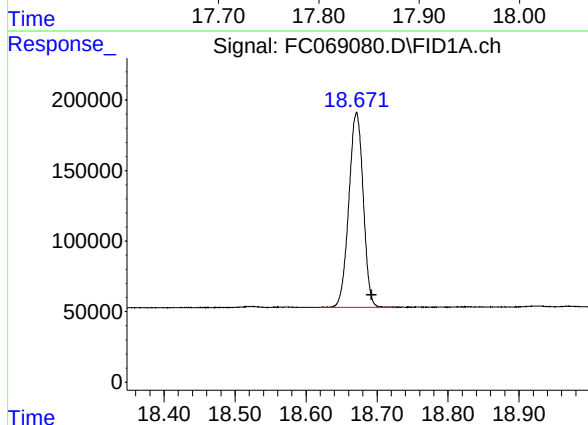
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.021 min
Response: 1908595
Conc: 19.73 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

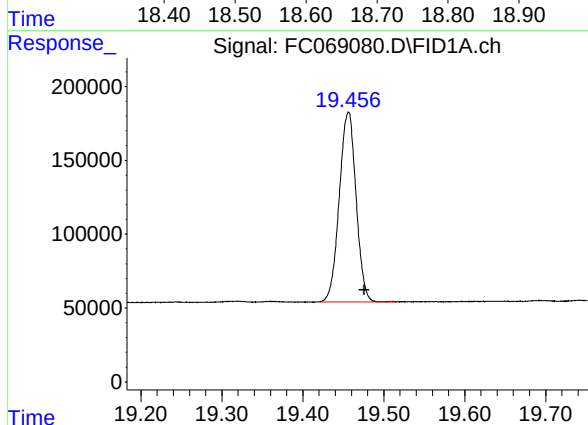
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/06/2025
Supervised By :mohammad ahmed 06/09/2025



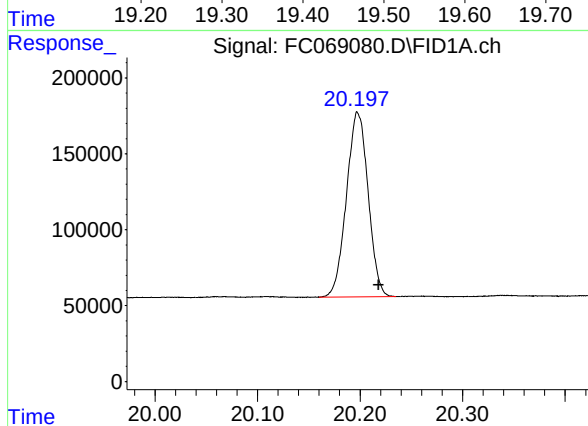
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.021 min
Response: 1941926
Conc: 19.60 ug/ml



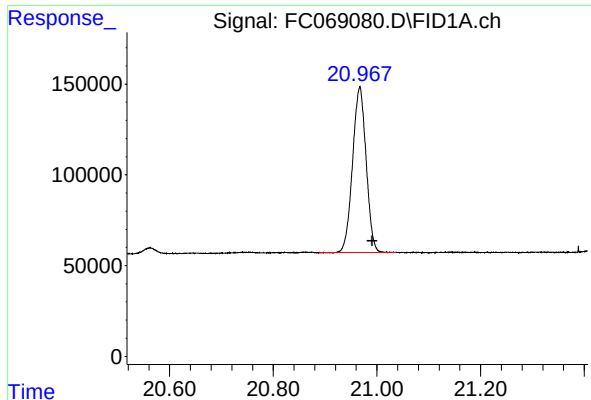
#19 n-Tetatriacontane (C34)

R.T.: 19.456 min
Delta R.T.: -0.020 min
Response: 1853077
Conc: 19.23 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.020 min
Response: 1784757
Conc: 18.80 ug/ml



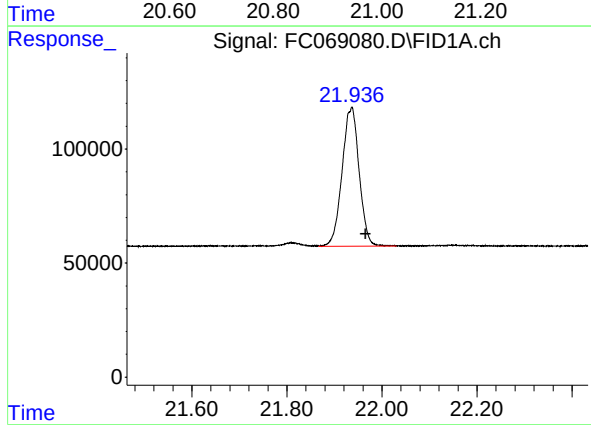
#21 n-Octatriacontane (C38)

R.T.: 20.967 min
Delta R.T.: -0.024 min
Response: 1656931
Conc: 18.16 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/06/2025
Supervised By :mohammad ahmed 06/09/2025



#22 n-Tetracontane (C40)

R.T.: 21.936 min
Delta R.T.: -0.029 min
Response: 1514332
Conc: 17.16 ug/ml m