

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033023AL\
 Data File : FC063280.D
 Signal(s) : FID1A.ch
 Acq On : 30 Mar 2023 09:37
 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 03/30/2023
 Supervised By :mohammad ahmed 03/31/2023

Integration File: autoint1.e
 Quant Time: Mar 30 15:13:19 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 031523.M
 Quant Title : GC Extractables
 QLast Update : Thu Mar 16 01:30:46 2023
 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)	11.529	2449723	18.711 ug/ml
Spiked Amount 50.000		Recovery =	37.42%
12) S 1-chlorooctadecane (S...	12.966	1865075	19.329 ug/ml
Spiked Amount 50.000		Recovery =	38.66%
Target Compounds			
1) T n-Nonane (C9)	3.298	2375139	19.635 ug/ml
2) T n-Decane (C10)	4.364	2372030	20.159 ug/ml
3) T A~Naphthalene (C11.7)	5.948	2496940	19.391 ug/ml
4) T n-Dodecane (C12)	6.383	2352533	20.021 ug/ml
5) T A~2-methylnaphthalene...	7.004	2467185	20.976 ug/ml
6) T n-Tetradecane (C14)	8.178	2346351	20.380 ug/ml
7) T n-Hexadecane (C16)	9.777	2328251	19.985 ug/ml
8) T n-Octadecane (C18)	11.217	2343217	19.820 ug/ml
10) T n-Eicosane (C20)	12.522	2327330	20.203 ug/ml
11) T n-Heneicosane (C21)	13.134	2309394	20.037 ug/ml
13) T n-Docosane (C22)	13.719	2288841	20.100 ug/ml
14) T n-Tetracosane (C24)	14.820	2278651	20.042 ug/ml
15) T n-Hexacosane (C26)	15.839	2269847	20.170 ug/ml
16) T n-Octacosane (C28)	16.787	2297353	20.413 ug/ml
17) T n-Tricontane (C30)	17.672	2445573	21.502 ug/ml
18) T n-Dotriacontane (C32)	18.501	2528514	21.854 ug/ml
19) T n-Tetratriacontane (C34)	19.281	2412370	20.988 ug/ml
20) T n-Hexatriacontane (C36)	20.021	2338746	21.403 ug/mlm
21) T n-Octatriacontane (C38)	20.748	2208542	20.440 ug/ml
22) T n-Tetracontane (C40)	21.642	2050581	19.364 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033023AL\
Data File : FC063280.D
Signal(s) : FID1A.ch
Acq On : 30 Mar 2023 09:37
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

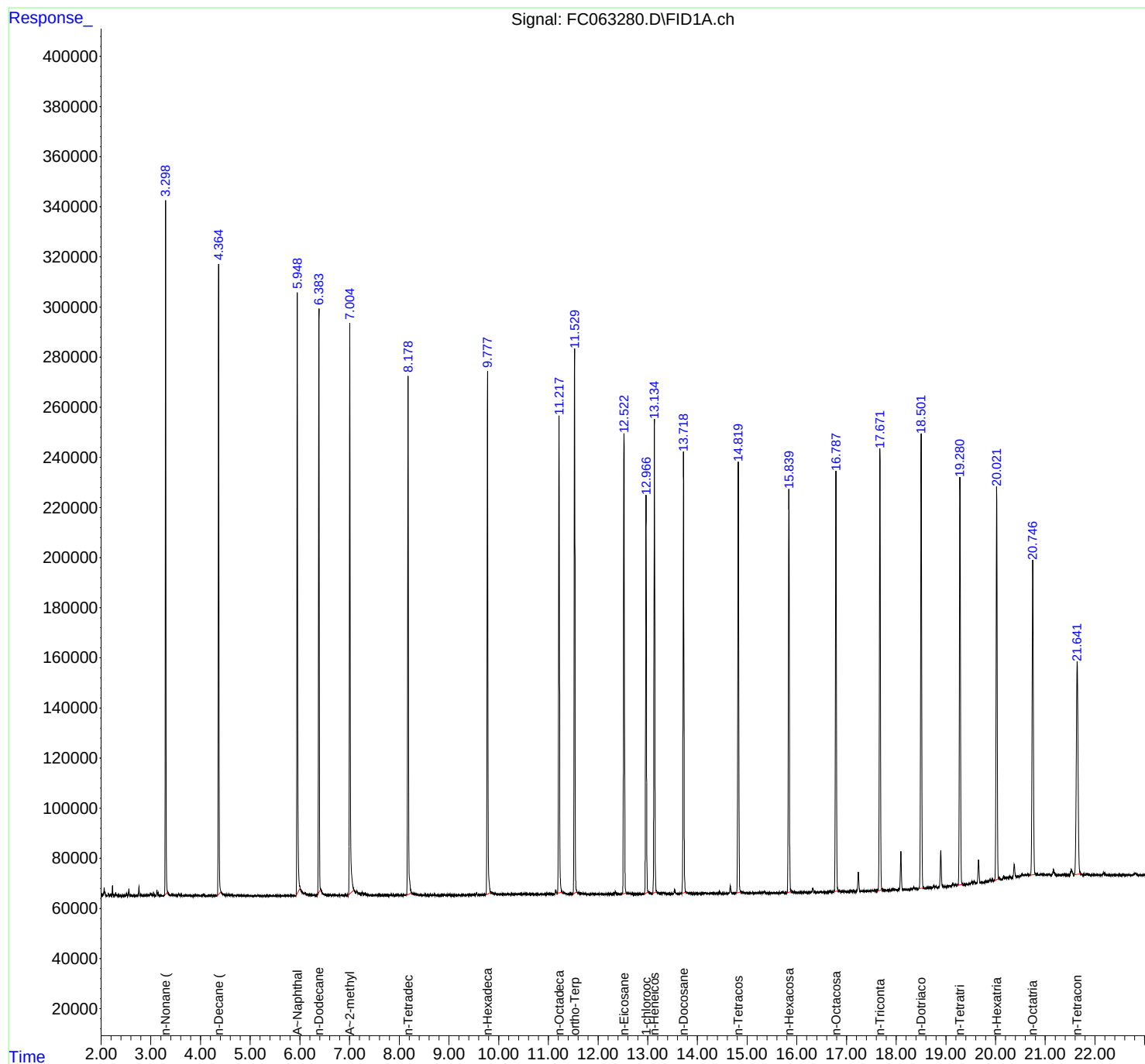
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

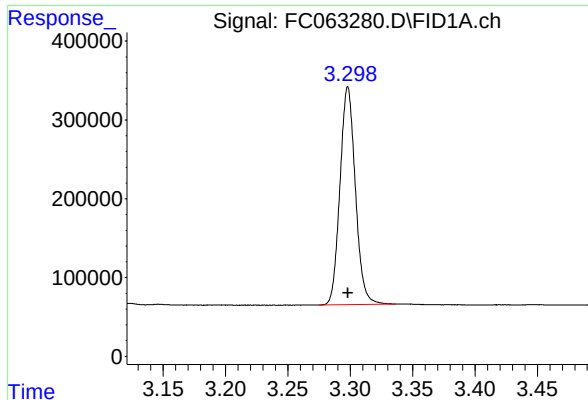
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/30/2023
Supervised By :mohammad ahmed 03/31/2023

Integration File: autoint1.e
Quant Time: Mar 30 15:13:19 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 031523.M
Quant Title : GC Extractables
QLast Update : Thu Mar 16 01:30:46 2023
Response via : Initial Calibration
Integrator: ChemStation

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





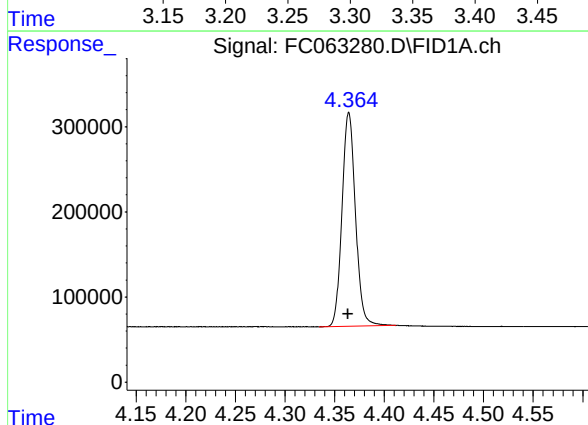
#1 n-Nonane (C9)

R.T.: 3.298 min
Delta R.T.: 0.000 min
Response: 2375139
Conc: 19.64 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

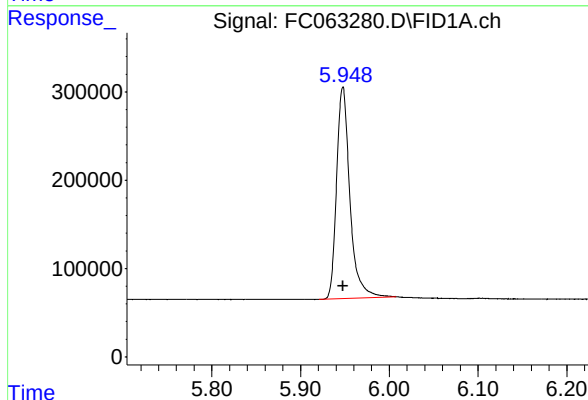
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/30/2023
Supervised By :mohammad ahmed 03/31/2023



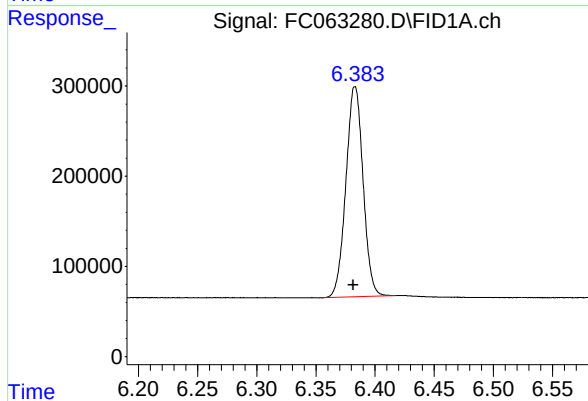
#2 n-Decane (C10)

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 2372030
Conc: 20.16 ug/ml



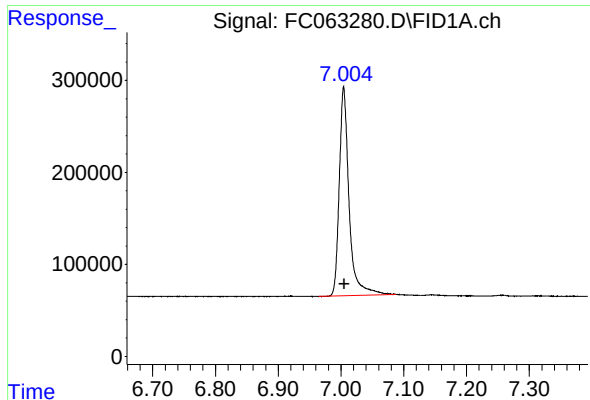
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 2496940
Conc: 19.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.383 min
Delta R.T.: 0.001 min
Response: 2352533
Conc: 20.02 ug/ml



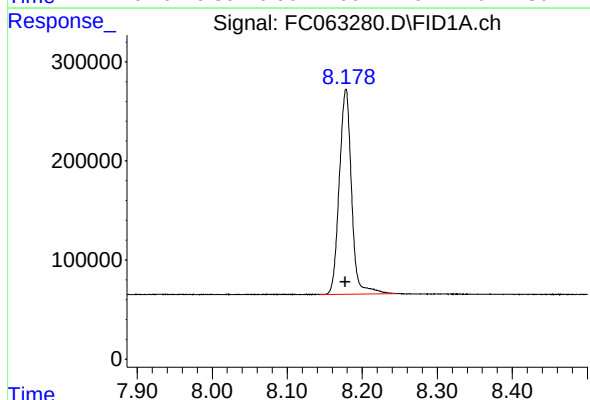
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.004 min
Delta R.T.: -0.001 min
Response: 2467185
Conc: 20.98 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

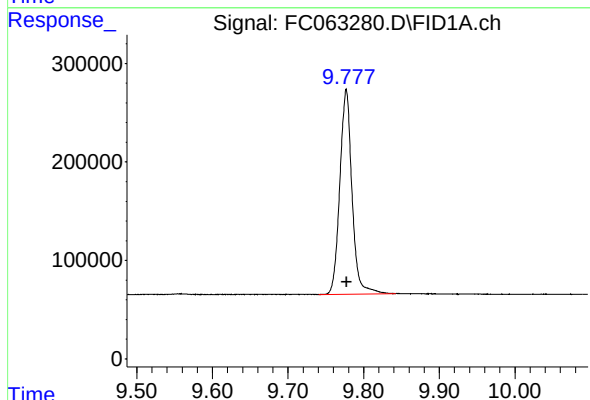
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/30/2023
Supervised By :mohammad ahmed 03/31/2023



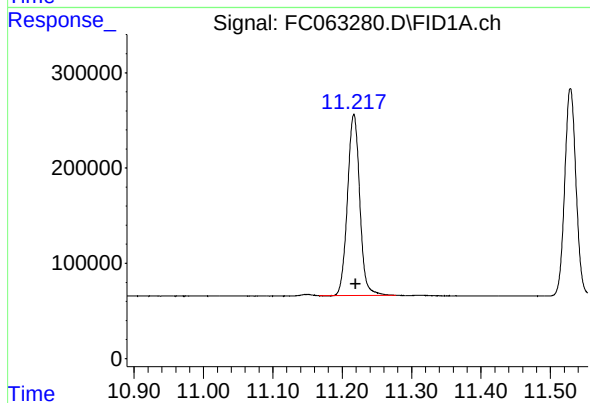
#6 n-Tetradecane (C14)

R.T.: 8.178 min
Delta R.T.: 0.001 min
Response: 2346351
Conc: 20.38 ug/ml



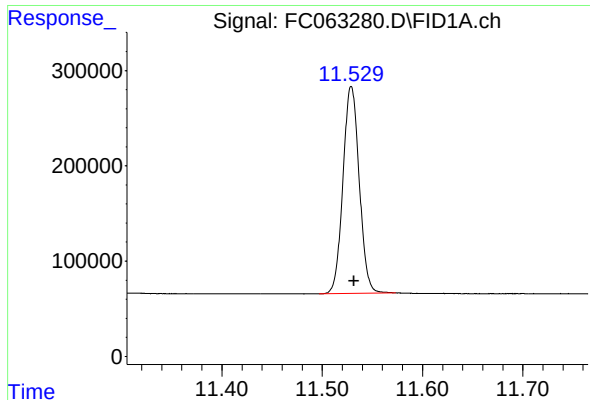
#7 n-Hexadecane (C16)

R.T.: 9.777 min
Delta R.T.: 0.000 min
Response: 2328251
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.217 min
Delta R.T.: -0.002 min
Response: 2343217
Conc: 19.82 ug/ml



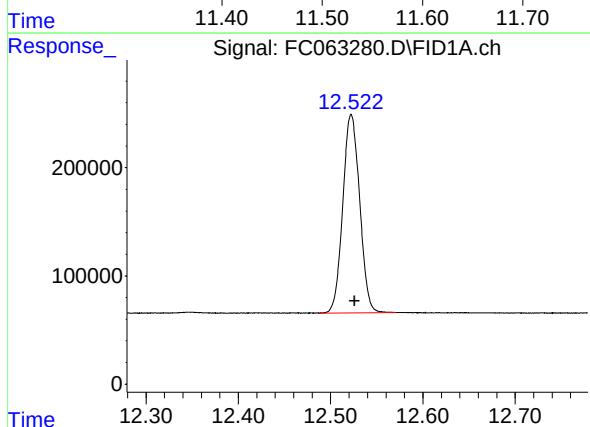
#9 ortho-Terphenyl (SURR)

R.T.: 11.529 min
Delta R.T.: -0.003 min
Response: 2449723
Conc: 18.71 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

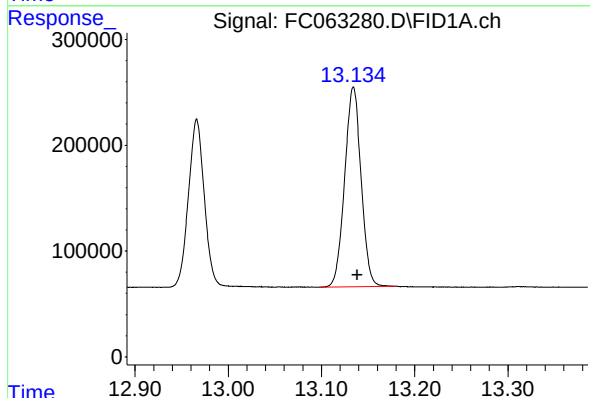
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/30/2023
Supervised By :mohammad ahmed 03/31/2023



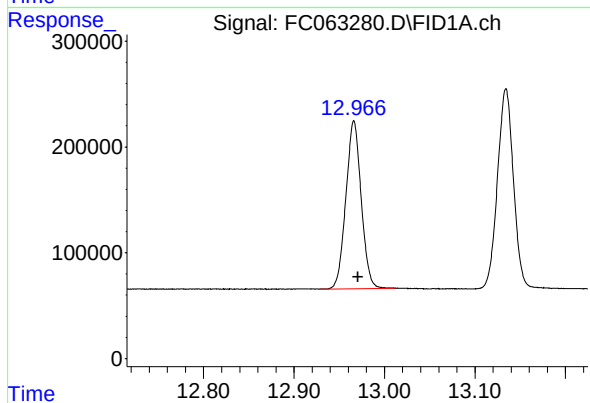
#10 n-Eicosane (C20)

R.T.: 12.522 min
Delta R.T.: -0.004 min
Response: 2327330
Conc: 20.20 ug/ml



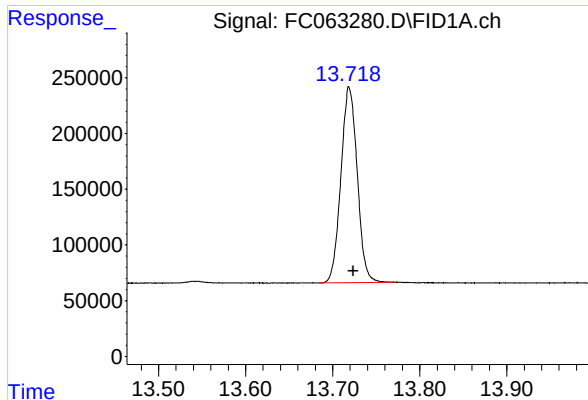
#11 n-Heneicosane (C21)

R.T.: 13.134 min
Delta R.T.: -0.004 min
Response: 2309394
Conc: 20.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.966 min
Delta R.T.: -0.005 min
Response: 1865075
Conc: 19.33 ug/ml



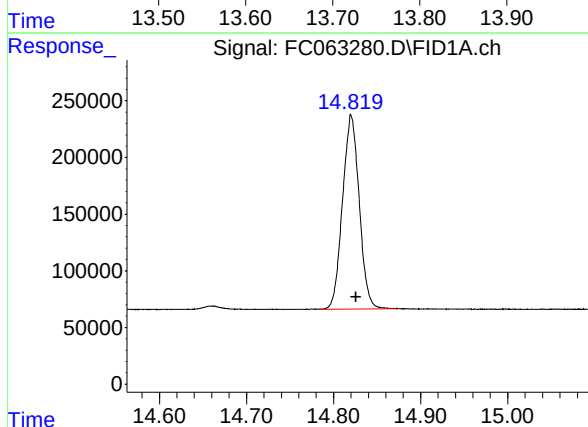
#13 n-Docosane (C22)

R.T.: 13.719 min
Delta R.T.: -0.005 min
Response: 2288841
Conc: 20.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

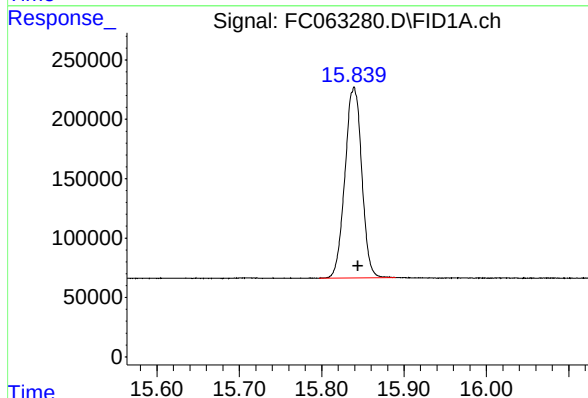
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/30/2023
Supervised By :mohammad ahmed 03/31/2023



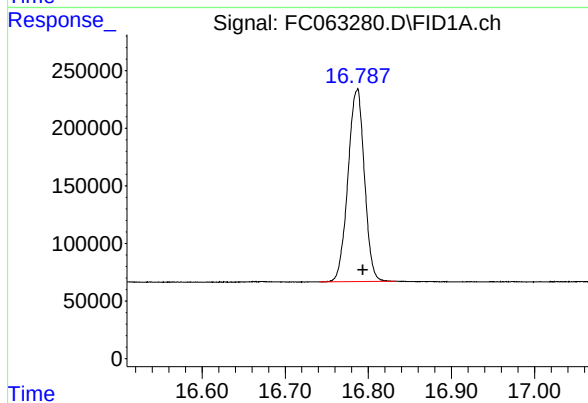
#14 n-Tetracosane (C24)

R.T.: 14.820 min
Delta R.T.: -0.005 min
Response: 2278651
Conc: 20.04 ug/ml



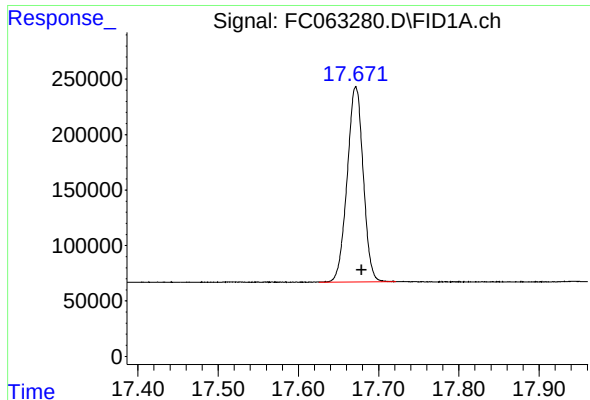
#15 n-Hexacosane (C26)

R.T.: 15.839 min
Delta R.T.: -0.005 min
Response: 2269847
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.787 min
Delta R.T.: -0.007 min
Response: 2297353
Conc: 20.41 ug/ml



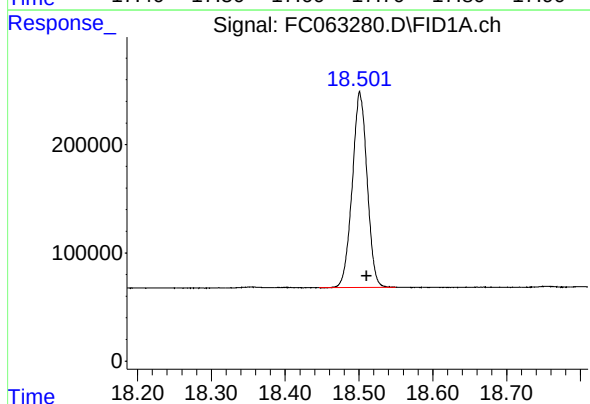
#17 n-Tricontane (C30)

R.T.: 17.672 min
Delta R.T.: -0.007 min
Response: 2445573
Conc: 21.50 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

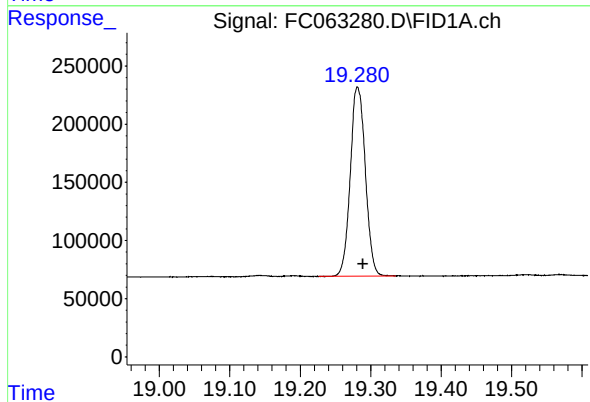
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/30/2023
Supervised By :mohammad ahmed 03/31/2023



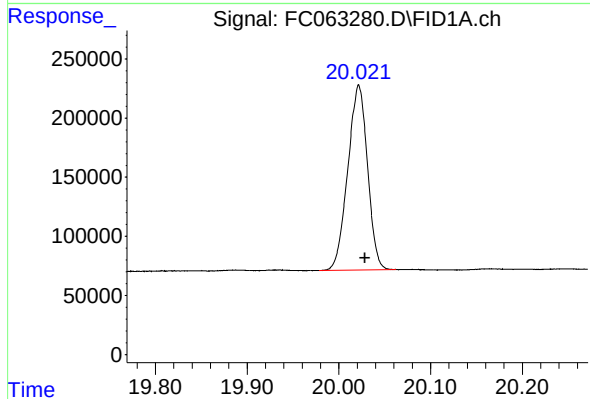
#18 n-Dotriacontane (C32)

R.T.: 18.501 min
Delta R.T.: -0.009 min
Response: 2528514
Conc: 21.85 ug/ml



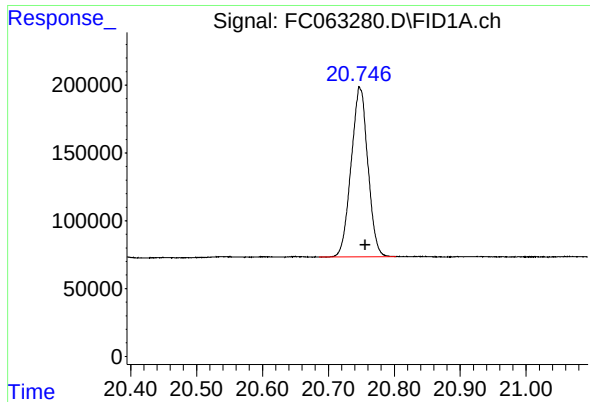
#19 n-Tetratriacontane (C34)

R.T.: 19.281 min
Delta R.T.: -0.008 min
Response: 2412370
Conc: 20.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.021 min
Delta R.T.: -0.007 min
Response: 2338746
Conc: 21.40 ug/ml m



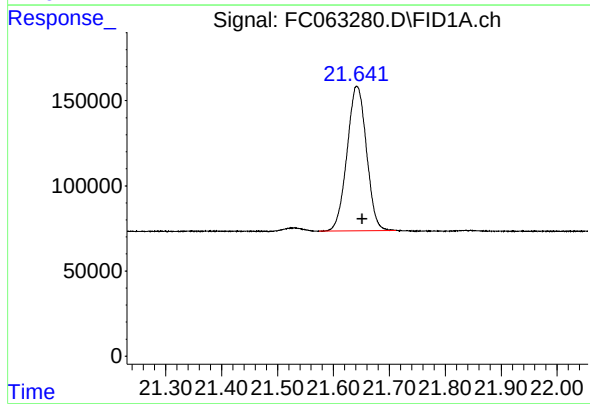
#21 n-Octatriacontane (C38)

R.T.: 20.748 min
Delta R.T.: -0.009 min
Response: 2208542
Conc: 20.44 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/30/2023
Supervised By :mohammad ahmed 03/31/2023



#22 n-Tetracontane (C40)

R.T.: 21.642 min
Delta R.T.: -0.010 min
Response: 2050581
Conc: 19.36 ug/ml