

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041222AL\
 Data File : FC059190.D
 Signal(s) : FID1A.CH
 Acq On : 12 Apr 2022 20:45
 Operator : UA/NP
 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 04/13/2022
 Supervised By :mohammad ahmed 04/14/2022

Integration File: autoint1.e
 Quant Time: Apr 13 02:13:21 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032522.M
 Quant Title : GC Extractables
 QLast Update : Fri Mar 25 23:18:46 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.101	2932482	20.353 ug/ml
Spiked Amount 50.000		Recovery =	40.71%
12) S 1-chlorooctadecane (S...	12.549	2283756	20.374 ug/ml
Spiked Amount 50.000		Recovery =	40.75%
Target Compounds			
1) T n-Nonane (C9)	2.965	2702696	22.055 ug/ml
2) T n-Decane (C10)	4.006	2703591	22.062 ug/ml
3) T A~Naphthalene (C11.7)	5.554	2781625	22.155 ug/ml
4) T n-Dodecane (C12)	6.003	2791533	21.855 ug/ml
5) T A~2-methylnaphthalene...	6.601	2760577	21.534 ug/ml
6) T n-Tetradecane (C14)	7.785	2785910	21.427 ug/ml
7) T n-Hexadecane (C16)	9.376	2791463	21.021 ug/ml
8) T n-Octadecane (C18)	10.809	2761052	20.767 ug/ml
10) T n-Eicosane (C20)	12.112	2682418	20.473 ug/ml
11) T n-Heneicosane (C21)	12.721	2651173	20.319 ug/ml
13) T n-Docosane (C22)	13.304	2626607	20.276 ug/ml
14) T n-Tetracosane (C24)	14.401	2547486	20.166 ug/ml
15) T n-Hexacosane (C26)	15.417	2486550	20.585 ug/ml
16) T n-Octacosane (C28)	16.364	2474482	20.897 ug/ml
17) T n-Tricontane (C30)	17.247	2464802	21.607 ug/ml
18) T n-Dotriacontane (C32)	18.078	2377477	22.192 ug/mlm
19) T n-Tetratriacontane (C34)	18.856	2281532	22.581 ug/mlm
20) T n-Hexatriacontane (C36)	19.592	2226007	23.297 ug/mlm
21) T n-Octatriacontane (C38)	20.291	2071289	22.509 ug/ml
22) T n-Tetracontane (C40)	21.034	2026936	21.809 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

```
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041222AL\
Data File : FC059190.D
Signal(s) : FID1A.CH
Acq On    : 12 Apr 2022  20:45
Operator  : UA/NP
Sample    : 20 PPM ALIPHATIC HC STD
Misc      :
ALS Vial  : 2    Sample Multiplier: 1
```

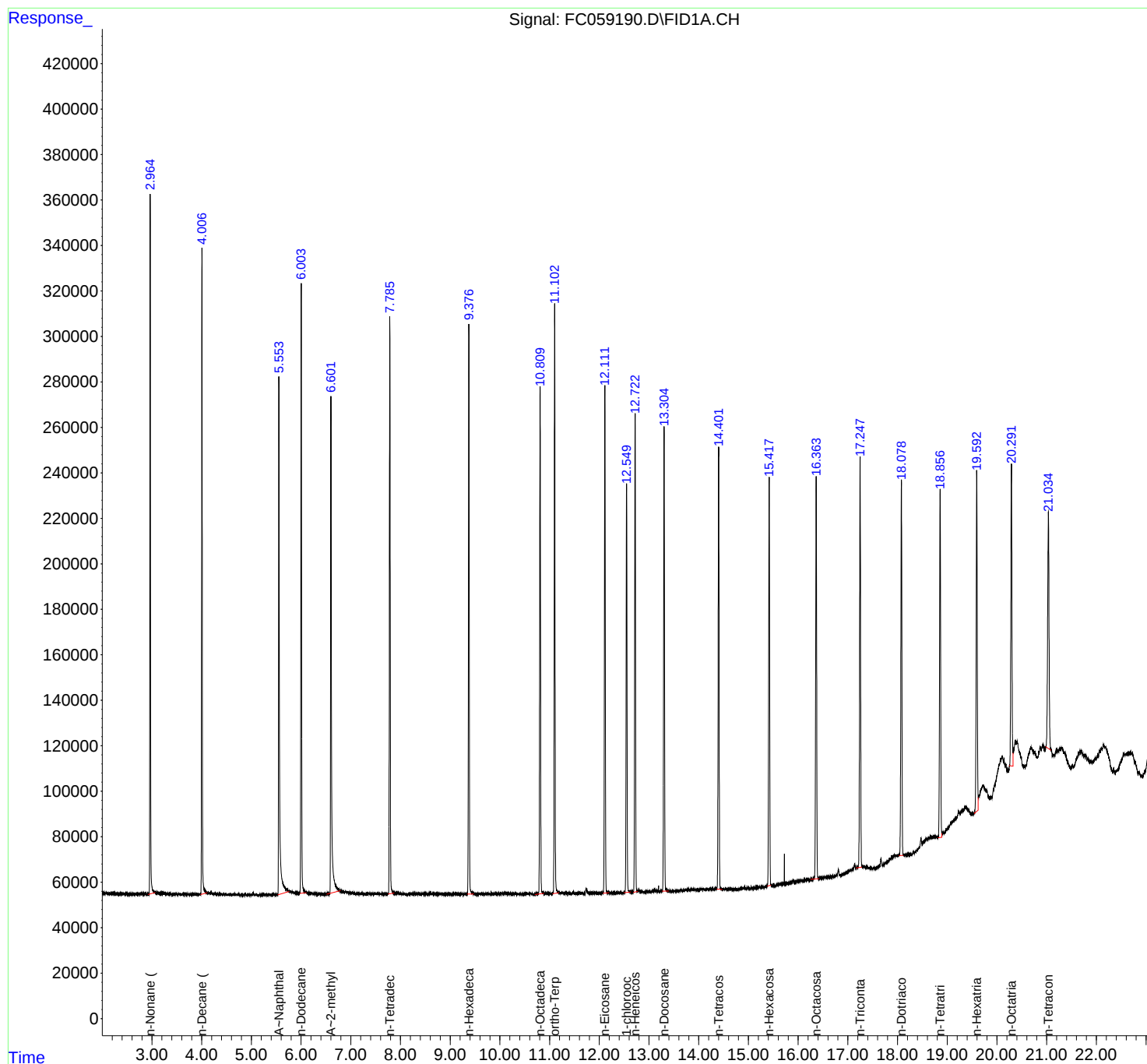
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

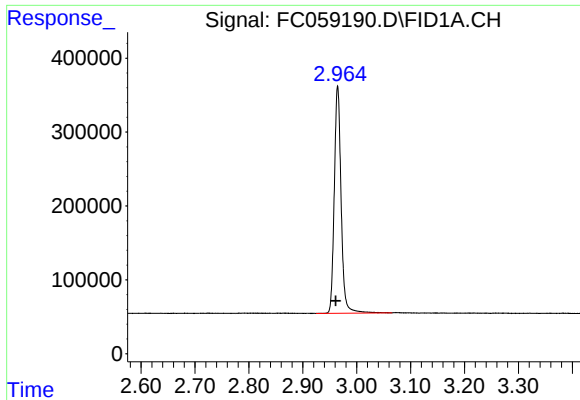
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/13/2022
Supervised By :mohammad ahmed 04/14/2022

Integration File: autoint1.e
Quant Time: Apr 13 02:13:21 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032522.M
Quant Title : GC Extractables
QLast Update : Fri Mar 25 23:18:46 2022
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





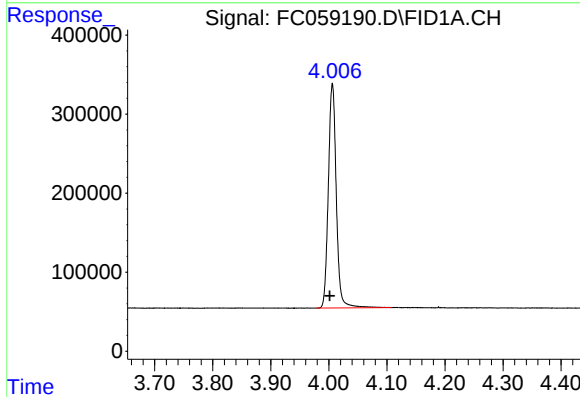
#1 n-Nonane (C9)

R.T.: 2.965 min
Delta R.T.: 0.004 min
Response: 2702696
Conc: 22.05 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

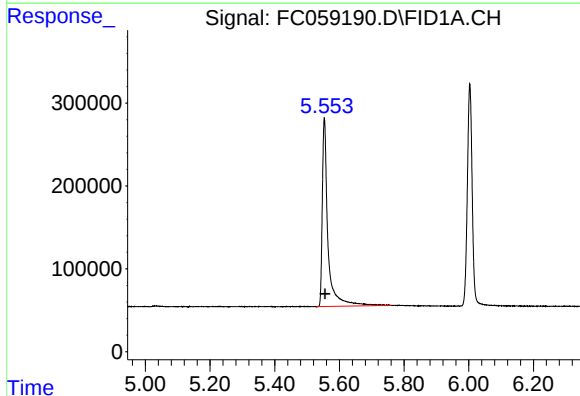
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/13/2022
Supervised By :mohammad ahmed 04/14/2022



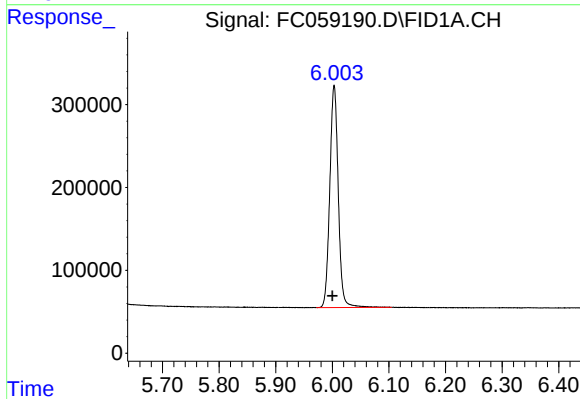
#2 n-Decane (C10)

R.T.: 4.006 min
Delta R.T.: 0.004 min
Response: 2703591
Conc: 22.06 ug/ml



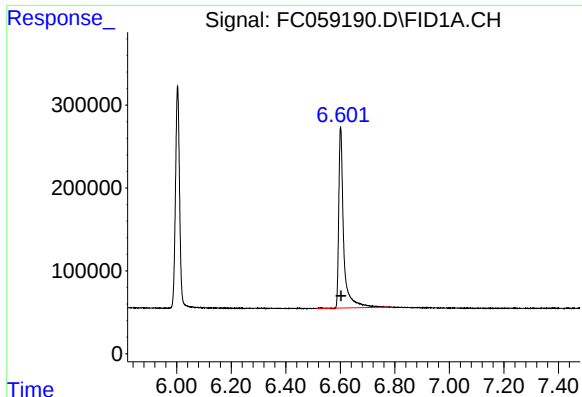
#3 A~Naphthalene (C11.7)

R.T.: 5.554 min
Delta R.T.: -0.002 min
Response: 2781625
Conc: 22.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.003 min
Delta R.T.: 0.003 min
Response: 2791533
Conc: 21.86 ug/ml



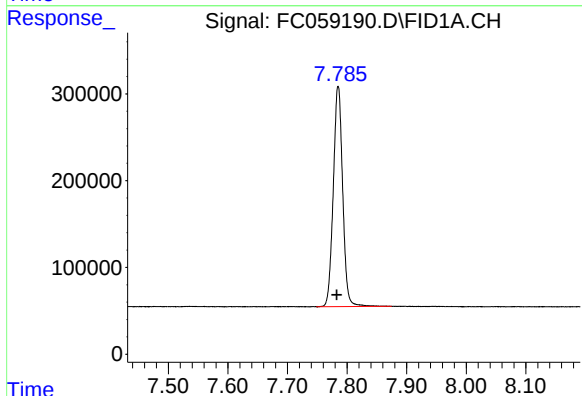
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.601 min
Delta R.T.: -0.001 min
Response: 2760577
Conc: 21.53 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

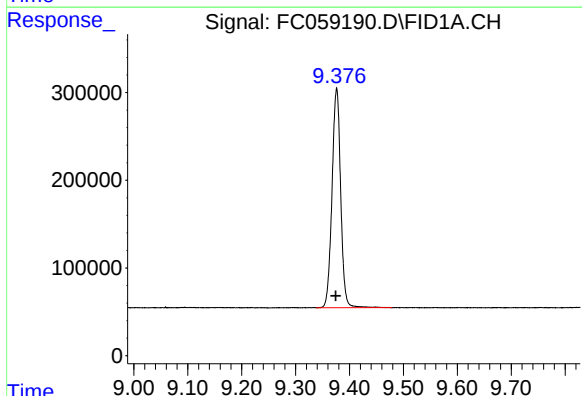
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/13/2022
Supervised By :mohammad ahmed 04/14/2022



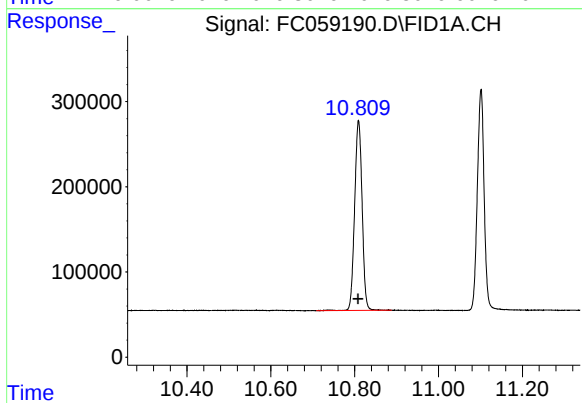
#6 n-Tetradecane (C14)

R.T.: 7.785 min
Delta R.T.: 0.003 min
Response: 2785910
Conc: 21.43 ug/ml



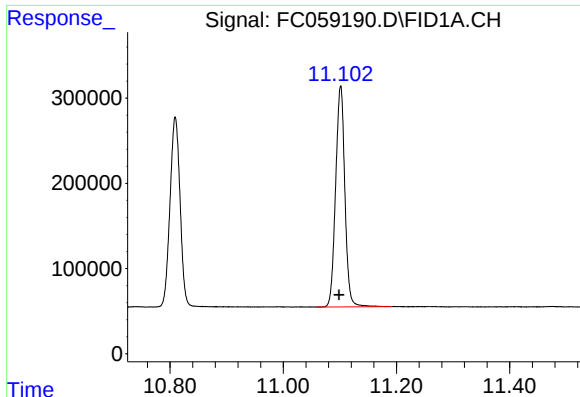
#7 n-Hexadecane (C16)

R.T.: 9.376 min
Delta R.T.: 0.002 min
Response: 2791463
Conc: 21.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.809 min
Delta R.T.: 0.000 min
Response: 2761052
Conc: 20.77 ug/ml



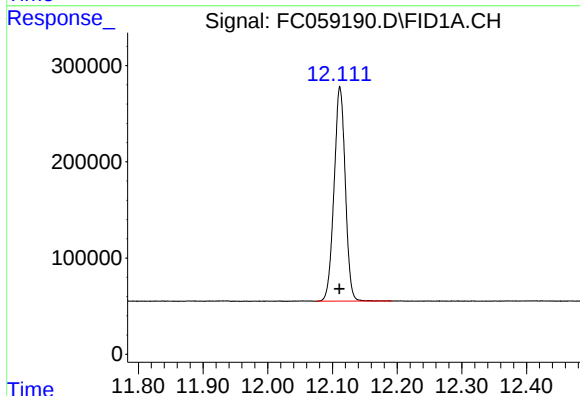
#9 ortho-Terphenyl (SURR)

R.T.: 11.101 min
Delta R.T.: 0.003 min
Response: 2932482
Conc: 20.35 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

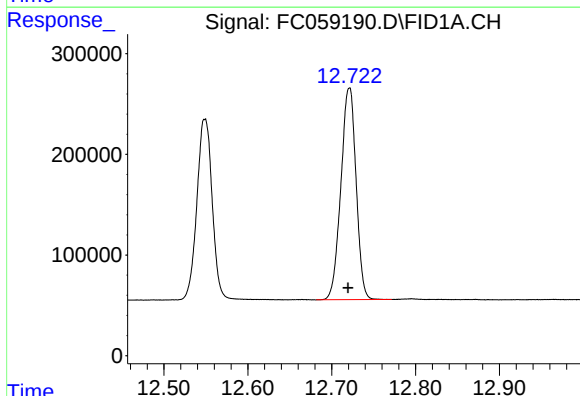
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/13/2022
Supervised By :mohammad ahmed 04/14/2022



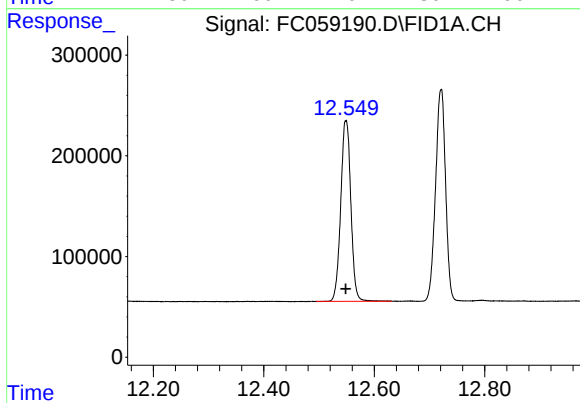
#10 n-Eicosane (C20)

R.T.: 12.112 min
Delta R.T.: 0.001 min
Response: 2682418
Conc: 20.47 ug/ml



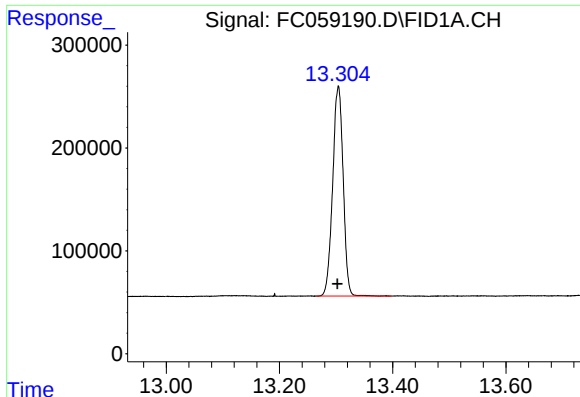
#11 n-Heneicosane (C21)

R.T.: 12.721 min
Delta R.T.: 0.001 min
Response: 2651173
Conc: 20.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.549 min
Delta R.T.: 0.000 min
Response: 2283756
Conc: 20.37 ug/ml



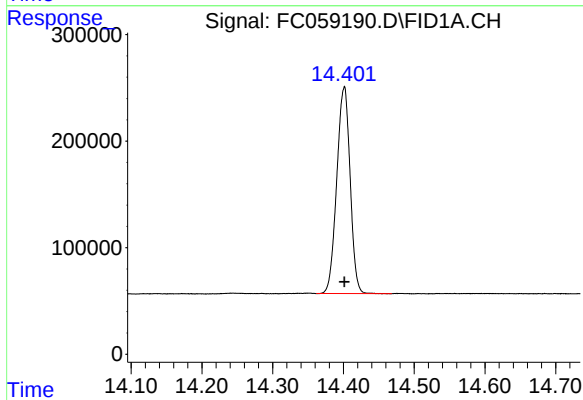
#13 n-Docosane (C22)

R.T.: 13.304 min
Delta R.T.: 0.001 min
Response: 2626607
Conc: 20.28 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

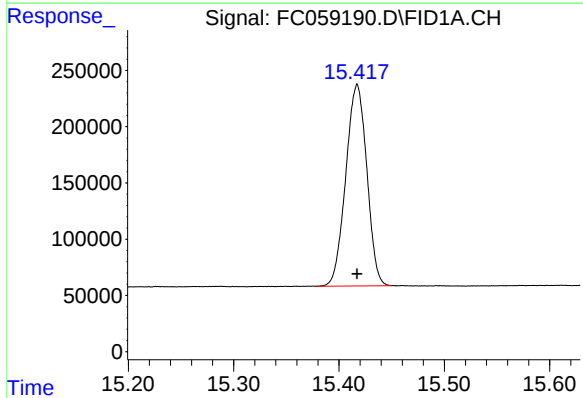
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/13/2022
Supervised By :mohammad ahmed 04/14/2022



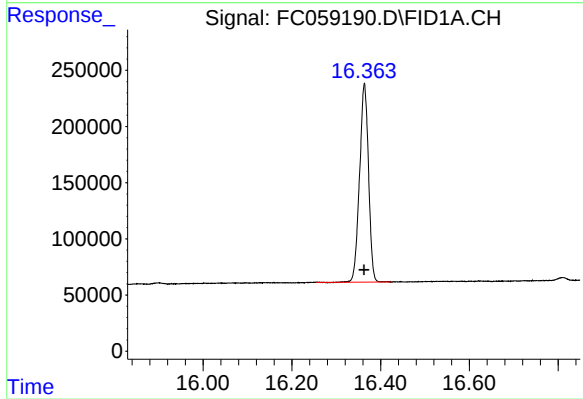
#14 n-Tetracosane (C24)

R.T.: 14.401 min
Delta R.T.: 0.000 min
Response: 2547486
Conc: 20.17 ug/ml



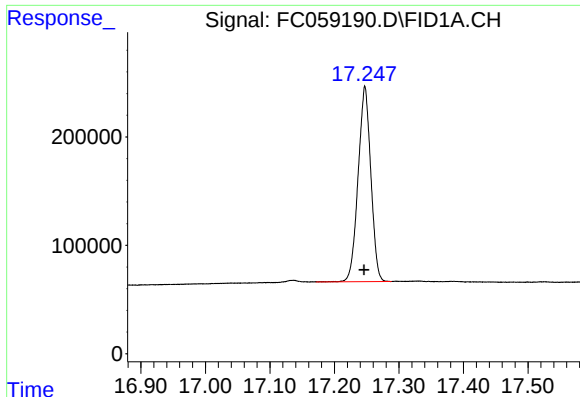
#15 n-Hexacosane (C26)

R.T.: 15.417 min
Delta R.T.: 0.000 min
Response: 2486550
Conc: 20.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.364 min
Delta R.T.: 0.001 min
Response: 2474482
Conc: 20.90 ug/ml



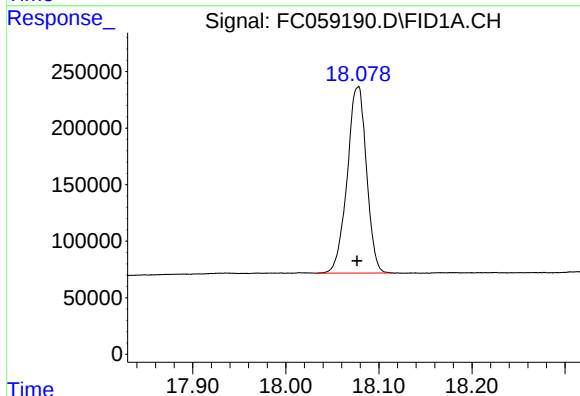
#17 n-Tricontane (C30)

R.T.: 17.247 min
Delta R.T.: 0.001 min
Response: 2464802
Conc: 21.61 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

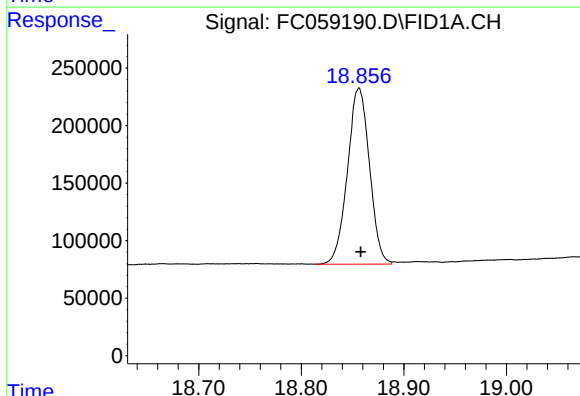
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/13/2022
Supervised By :mohammad ahmed 04/14/2022



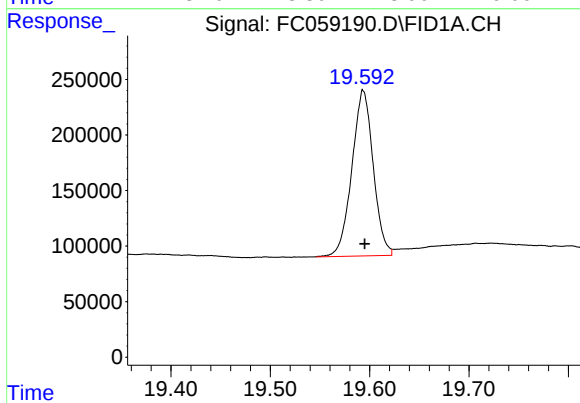
#18 n-Dotriacontane (C32)

R.T.: 18.078 min
Delta R.T.: 0.002 min
Response: 2377477
Conc: 22.19 ug/ml m



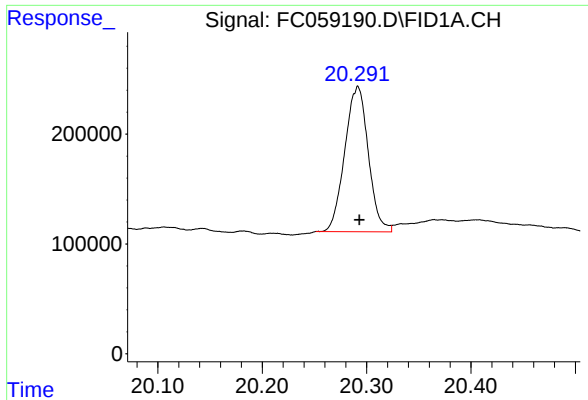
#19 n-Tetratriacontane (C34)

R.T.: 18.856 min
Delta R.T.: -0.002 min
Response: 2281532
Conc: 22.58 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.592 min
Delta R.T.: -0.002 min
Response: 2226007
Conc: 23.30 ug/ml m



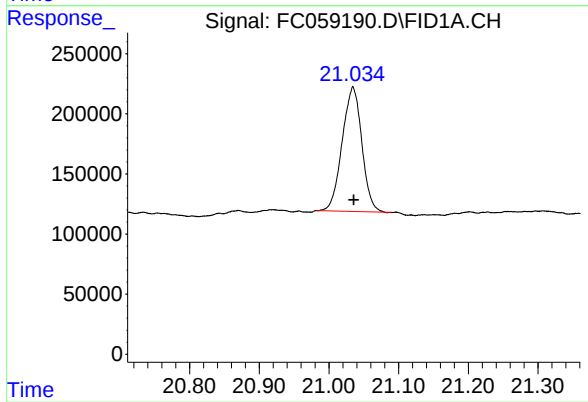
#21 n-Octatriacontane (C38)

R.T.: 20.291 min
Delta R.T.: -0.002 min
Response: 2071289
Conc: 22.51 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/13/2022
Supervised By :mohammad ahmed 04/14/2022



#22 n-Tetracontane (C40)

R.T.: 21.034 min
Delta R.T.: -0.001 min
Response: 2026936
Conc: 21.81 ug/ml