

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050622AL\
 Data File : FC059607.D
 Signal(s) : FID1A.CH
 Acq On : 06 May 2022 22:53
 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 05/09/2022
 Supervised By :mohammad ahmed 05/10/2022

Integration File: autoint1.e
 Quant Time: May 09 00:13:02 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050522.M
 Quant Title : GC Extractables
 QLast Update : Thu May 05 15:50:37 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)	10.696	3121925	21.260 ug/ml
Spiked Amount 50.000		Recovery =	42.52%
12) S 1-chlorooctadecane (S...	12.064	2489377	21.632 ug/ml
Spiked Amount 50.000		Recovery =	43.26%
Target Compounds			
1) T n-Nonane (C9)	2.658	2737062	21.433 ug/ml
2) T n-Decane (C10)	3.660	2749647	21.711 ug/ml
3) T A~Naphthalene (C11.7)	5.205	3161599	21.472 ug/ml
4) T n-Dodecane (C12)	5.617	2831799	21.533 ug/ml
5) T A~2-methylnaphthalene...	6.230	3215471	21.391 ug/ml
6) T n-Tetradecane (C14)	7.370	2879265	21.398 ug/ml
7) T n-Hexadecane (C16)	8.936	2940164	21.427 ug/ml
8) T n-Octadecane (C18)	10.346	2942079	21.349 ug/ml
10) T n-Eicosane (C20)	11.627	2857279	21.244 ug/ml
11) T n-Heneicosane (C21)	12.226	2838029	21.274 ug/ml
13) T n-Docosane (C22)	12.799	2788126	21.244 ug/ml
14) T n-Tetracosane (C24)	13.878	2676524	21.272 ug/ml
15) T n-Hexacosane (C26)	14.877	2552631	21.373 ug/ml
16) T n-Octacosane (C28)	15.806	2437170	21.408 ug/ml
17) T n-Tricontane (C30)	16.674	2353480	21.410 ug/ml
18) T n-Dotriacontane (C32)	17.488	2221132	21.485 ug/ml
19) T n-Tetratriacontane (C34)	18.253	2104793	21.559 ug/ml
20) T n-Hexatriacontane (C36)	18.975	2022145	21.782 ug/mlm
21) T n-Octatriacontane (C38)	19.660	1972477	20.721 ug/ml
22) T n-Tetracontane (C40)	20.308	2009136	21.224 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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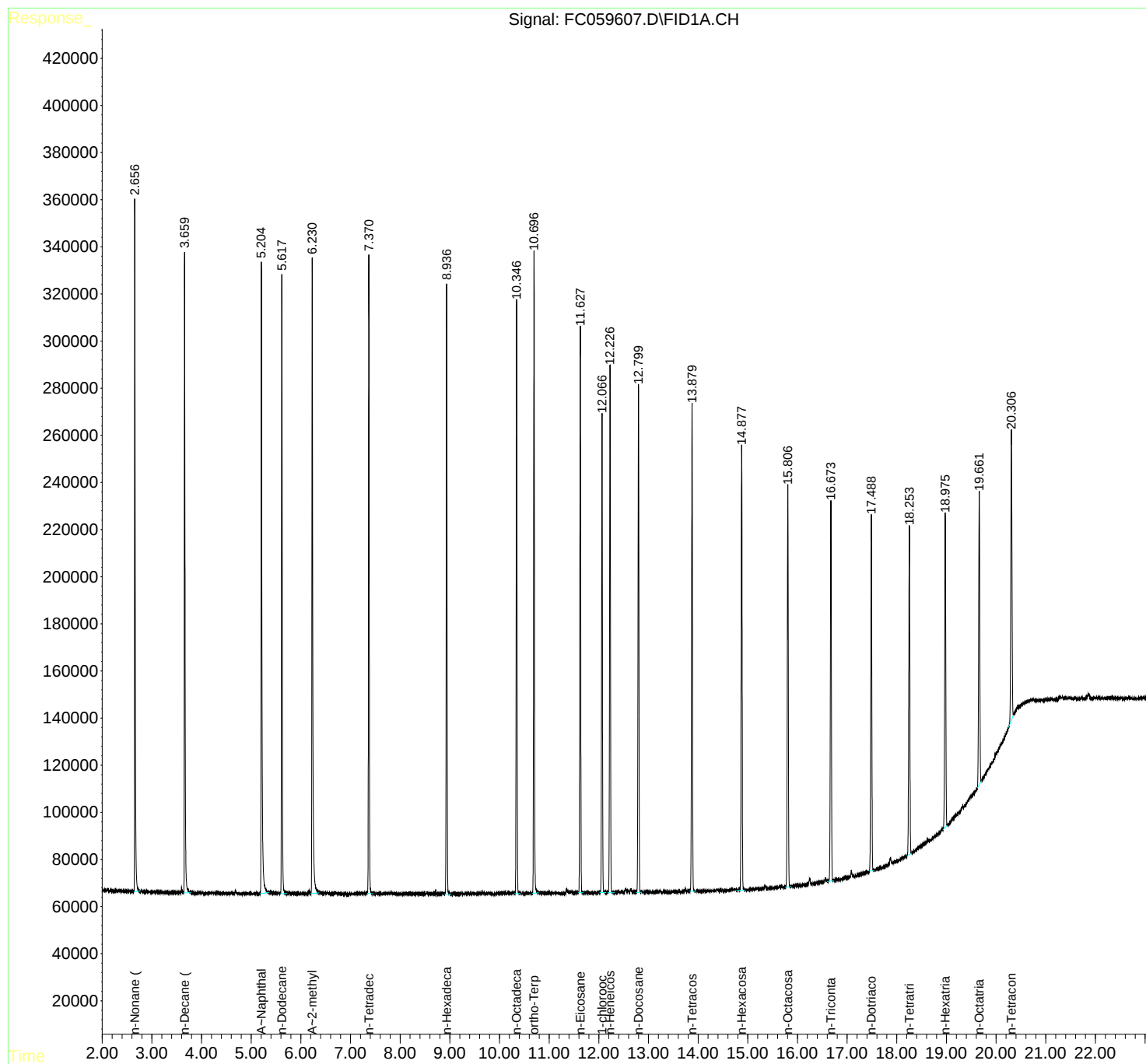
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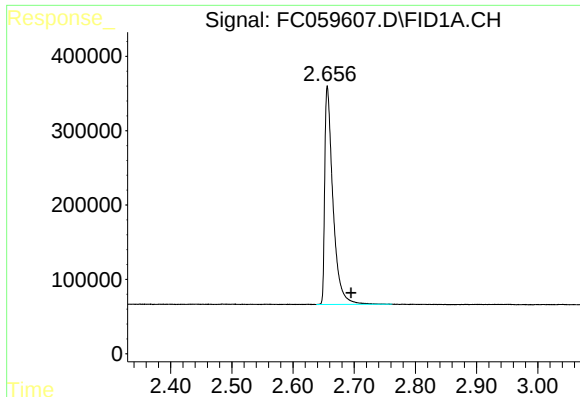
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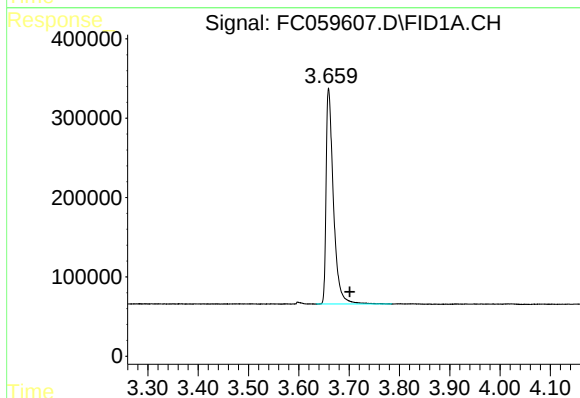
#1 n-Nonane (C9)

R.T.: 2.658 min
Delta R.T.: -0.037 min
Response: 2737062
Conc: 21.43 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

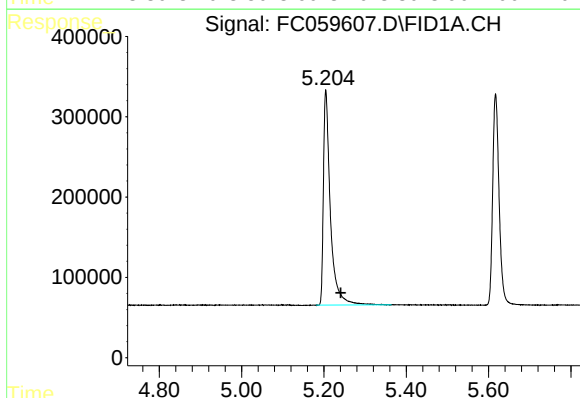
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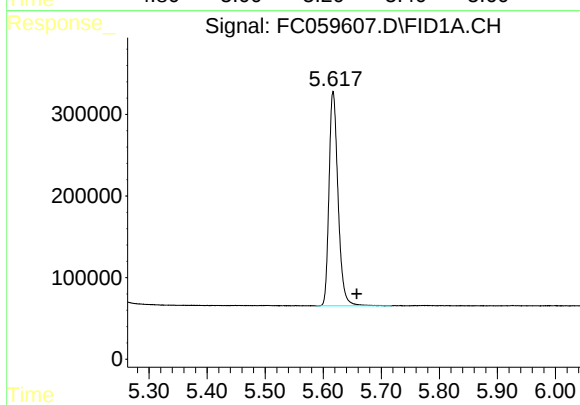
#2 n-Decane (C10)

R.T.: 3.660 min
Delta R.T.: -0.041 min
Response: 2749647
Conc: 21.71 ug/ml



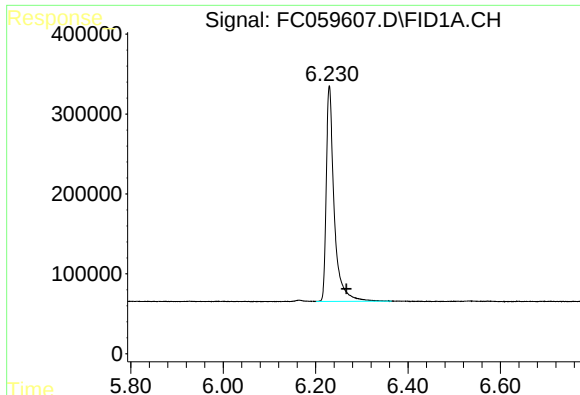
#3 A~Naphthalene (C11.7)

R.T.: 5.205 min
Delta R.T.: -0.036 min
Response: 3161599
Conc: 21.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.617 min
Delta R.T.: -0.040 min
Response: 2831799
Conc: 21.53 ug/ml



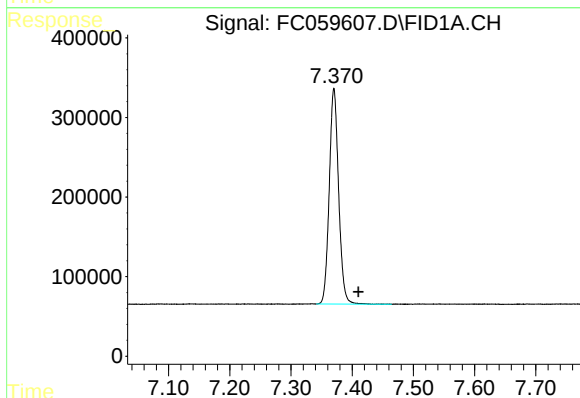
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.230 min
Delta R.T.: -0.037 min
Response: 3215471
Conc: 21.39 ug/ml

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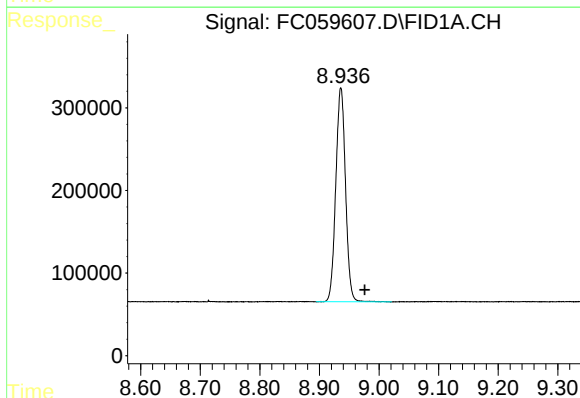
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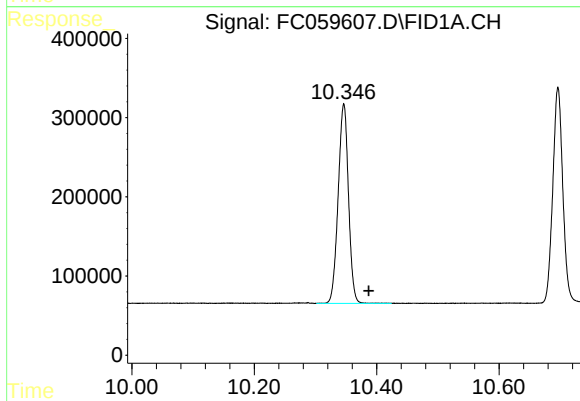
#6 n-Tetradecane (C14)

R.T.: 7.370 min
Delta R.T.: -0.040 min
Response: 2879265
Conc: 21.40 ug/ml



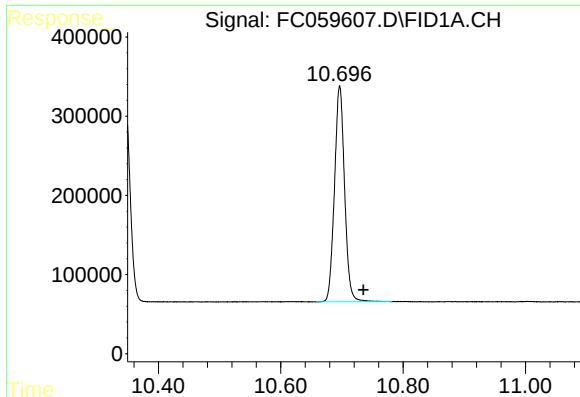
#7 n-Hexadecane (C16)

R.T.: 8.936 min
Delta R.T.: -0.040 min
Response: 2940164
Conc: 21.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.346 min
Delta R.T.: -0.041 min
Response: 2942079
Conc: 21.35 ug/ml



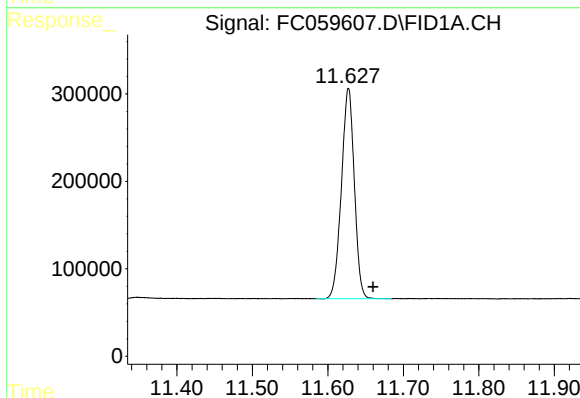
#9 ortho-Terphenyl (SURR)

R.T.: 10.696 min
Delta R.T.: -0.039 min
Response: 3121925
Conc: 21.26 ug/ml

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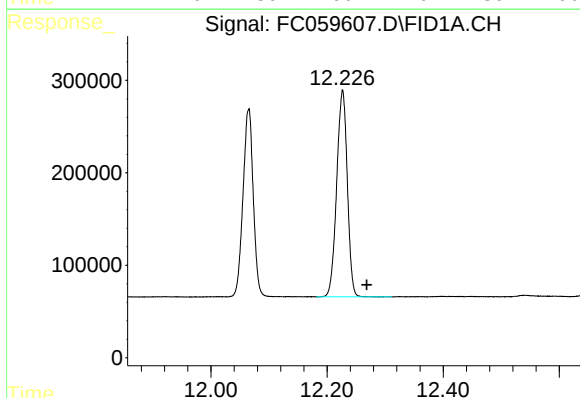
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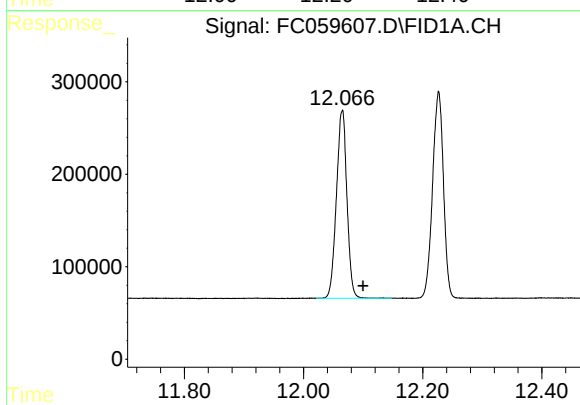
#10 n-Eicosane (C20)

R.T.: 11.627 min
Delta R.T.: -0.033 min
Response: 2857279
Conc: 21.24 ug/ml



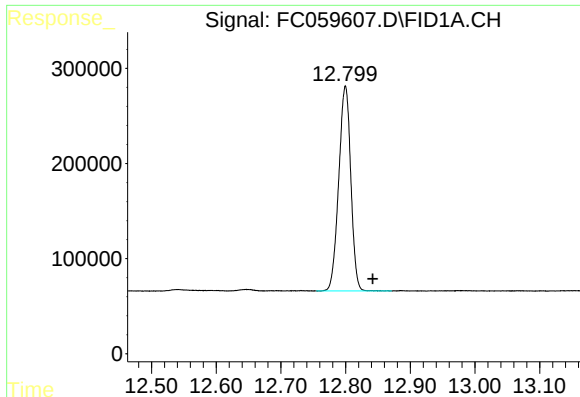
#11 n-Heneicosane (C21)

R.T.: 12.226 min
Delta R.T.: -0.042 min
Response: 2838029
Conc: 21.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.064 min
Delta R.T.: -0.036 min
Response: 2489377
Conc: 21.63 ug/ml



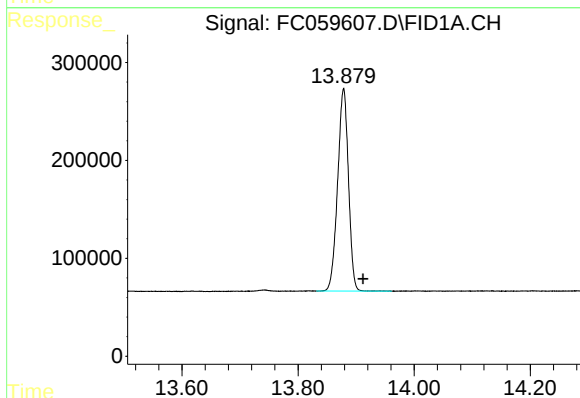
#13 n-Docosane (C22)

R.T.: 12.799 min
Delta R.T.: -0.043 min
Response: 2788126
Conc: 21.24 ug/ml

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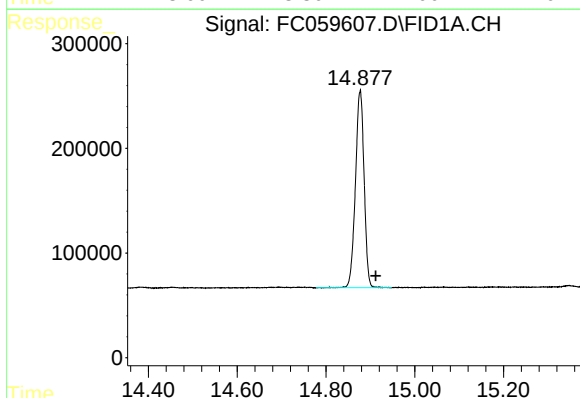
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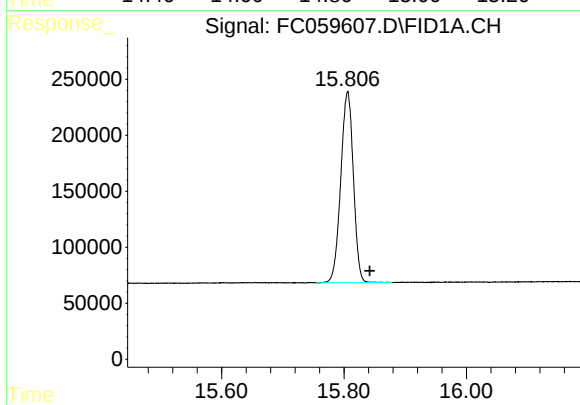
#14 n-Tetracosane (C24)

R.T.: 13.878 min
Delta R.T.: -0.034 min
Response: 2676524
Conc: 21.27 ug/ml



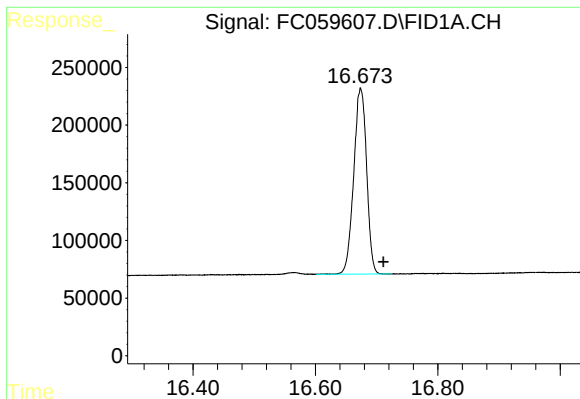
#15 n-Hexacosane (C26)

R.T.: 14.877 min
Delta R.T.: -0.035 min
Response: 2552631
Conc: 21.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.806 min
Delta R.T.: -0.036 min
Response: 2437170
Conc: 21.41 ug/ml



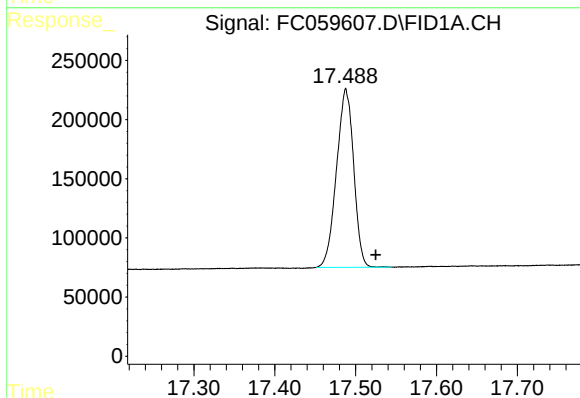
#17 n-Tricontane (C30)

R.T.: 16.674 min
Delta R.T.: -0.037 min
Response: 2353480
Conc: 21.41 ug/ml

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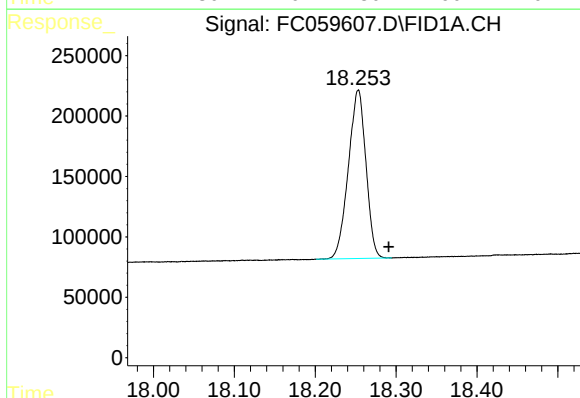
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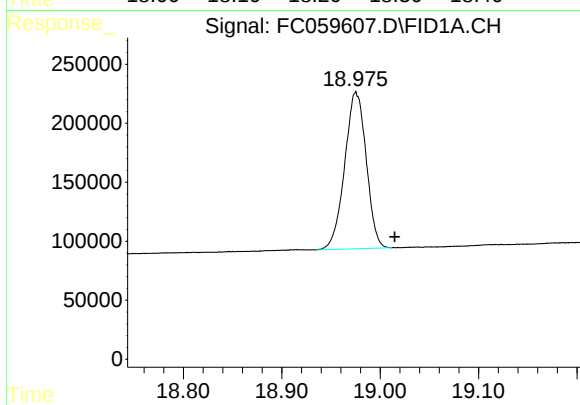
#18 n-Dotriacontane (C32)

R.T.: 17.488 min
Delta R.T.: -0.037 min
Response: 2221132
Conc: 21.48 ug/ml



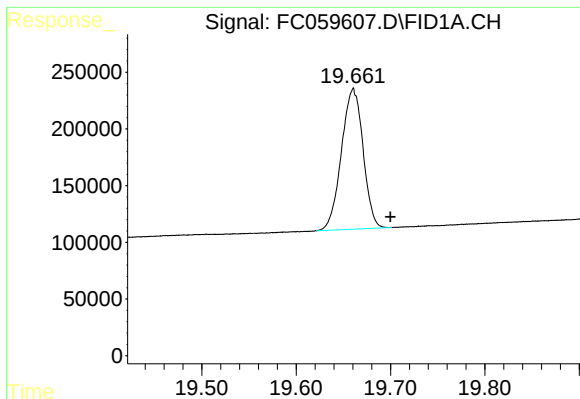
#19 n-Tetratriacontane (C34)

R.T.: 18.253 min
Delta R.T.: -0.038 min
Response: 2104793
Conc: 21.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 18.975 min
Delta R.T.: -0.040 min
Response: 2022145
Conc: 21.78 ug/ml m



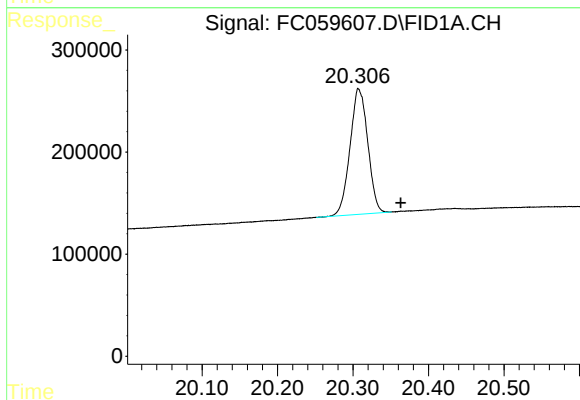
#21 n-Octatriacontane (C38)

R.T.: 19.660 min
Delta R.T.: -0.040 min
Response: 1972477
Conc: 20.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.308 min
Delta R.T.: -0.055 min
Response: 2009136
Conc: 21.22 ug/ml