

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071125AL\
 Data File : FC069430.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jul 2025 22:49
 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 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File: autoint1.e
 Quant Time: Jul 11 23:34:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 Qlast Update : Wed Jun 18 14:24:27 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)	11.670	2919453	16.899 ug/ml
Spiked Amount 50.000		Recovery =	33.80%
12) S 1-chlorooctadecane (S...	13.105	2211250	16.926 ug/ml
Spiked Amount 50.000		Recovery =	33.85%
Target Compounds			
1) T n-Nonane (C9)	3.404	2694749	18.948 ug/ml
2) T n-Decane (C10)	4.477	2804025	19.154 ug/ml
3) T A~Naphthalene (C11.7)	6.071	3040227	18.896 ug/ml
4) T n-Dodecane (C12)	6.501	2821847	18.635 ug/ml
5) T A~2-methylnaphthalene...	7.130	2921610	18.462 ug/ml
6) T n-Tetradecane (C14)	8.299	2797044	18.045 ug/ml
7) T n-Hexadecane (C16)	9.903	2835552	17.352 ug/ml
8) T n-Octadecane (C18)	11.348	2788004	17.076 ug/ml
10) T n-Eicosane (C20)	12.660	2603922	17.059 ug/ml
11) T n-Heneicosane (C21)	13.272	2521864	17.110 ug/ml
13) T n-Docosane (C22)	13.859	2483425	17.260 ug/ml
14) T n-Tetracosane (C24)	14.963	2421322	17.555 ug/ml
15) T n-Hexacosane (C26)	15.986	2307158	17.649 ug/ml
16) T n-Octacosane (C28)	16.937	2261971	18.341 ug/ml
17) T n-Tricontane (C30)	17.825	2371379	19.947 ug/ml
18) T n-Dotriacontane (C32)	18.659	2325220	21.266 ug/ml
19) T n-Tetratriacontane (C34)	19.444	2077482	21.514 ug/ml
20) T n-Hexatriacontane (C36)	20.185	1766619	21.436 ug/ml
21) T n-Octatriacontane (C38)	20.950	1586192	21.226 ug/ml
22) T n-Tetracontane (C40)	21.913	1493001	21.083 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

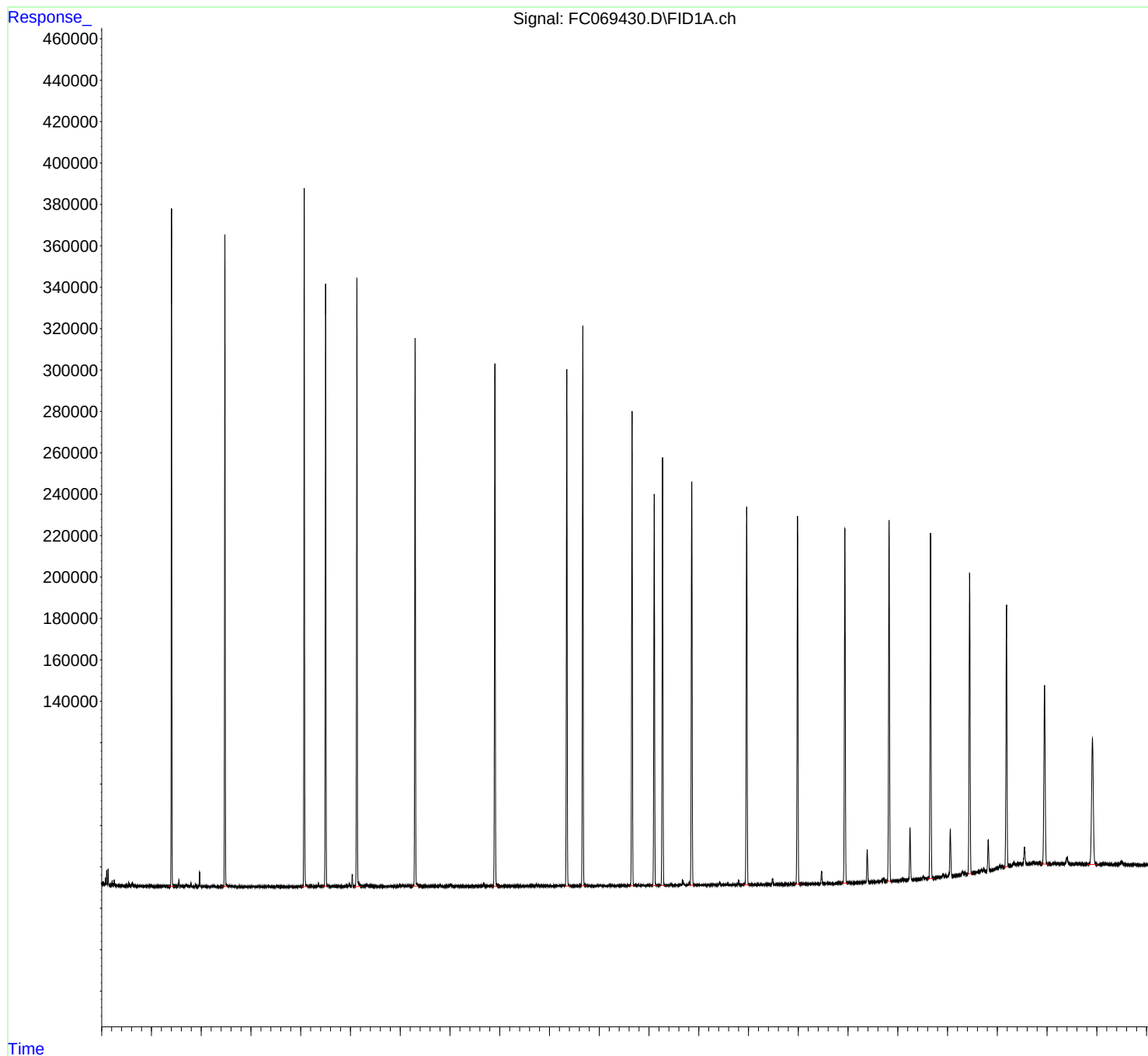
Instrument :
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20 PPM ALIPHATIC HC STD

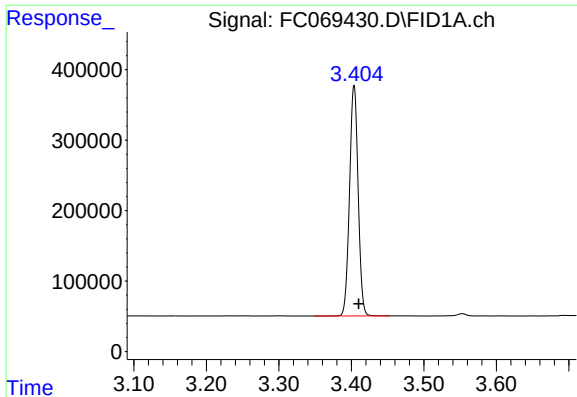
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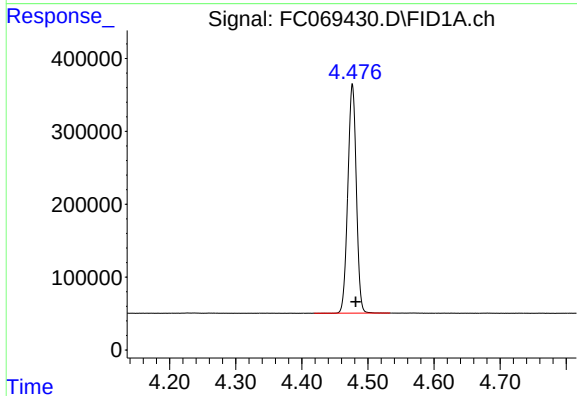
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.006 min
Response: 2694749
Conc: 18.95 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

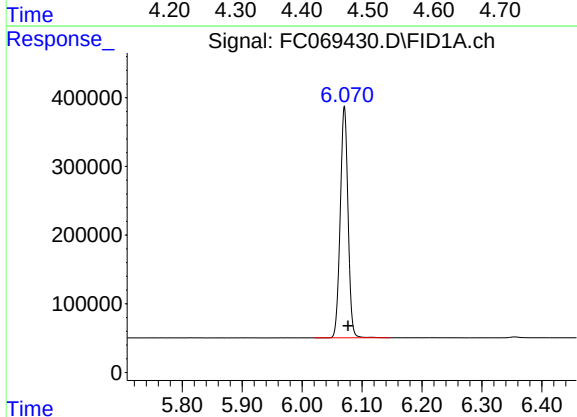
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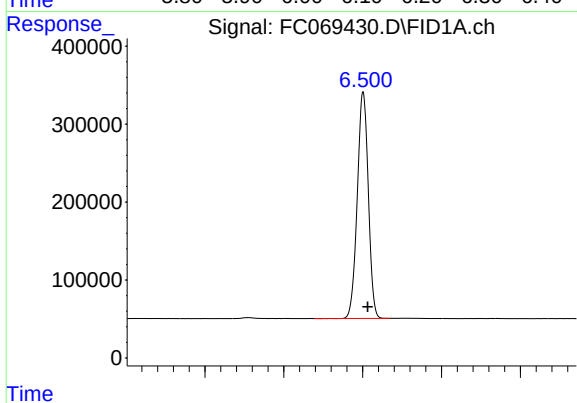
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.005 min
Response: 2804025
Conc: 19.15 ug/ml



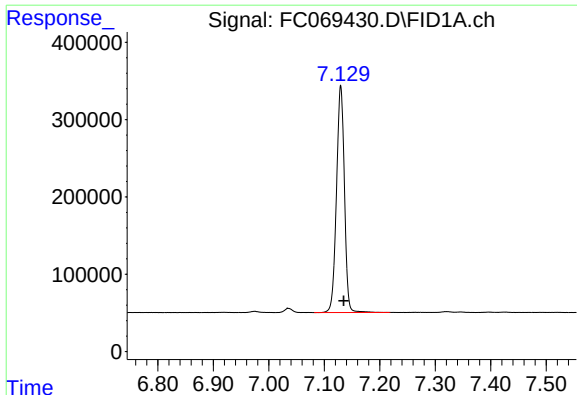
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.006 min
Response: 3040227
Conc: 18.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.501 min
Delta R.T.: -0.006 min
Response: 2821847
Conc: 18.64 ug/ml



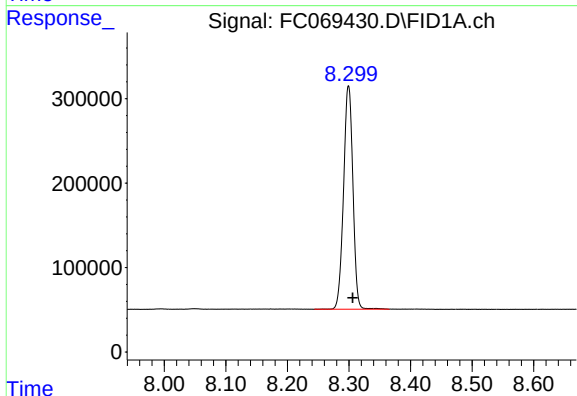
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.130 min
Delta R.T.: -0.006 min
Response: 2921610
Conc: 18.46 ug/ml

Instrument :
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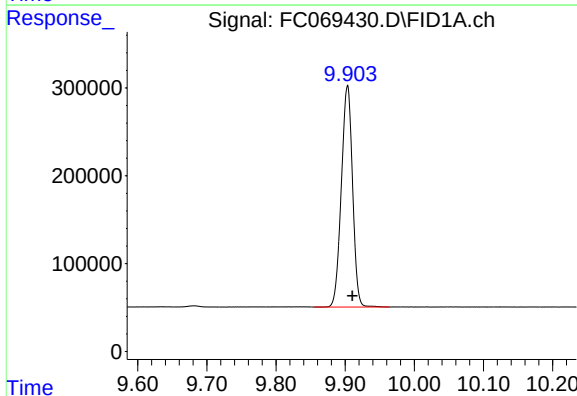
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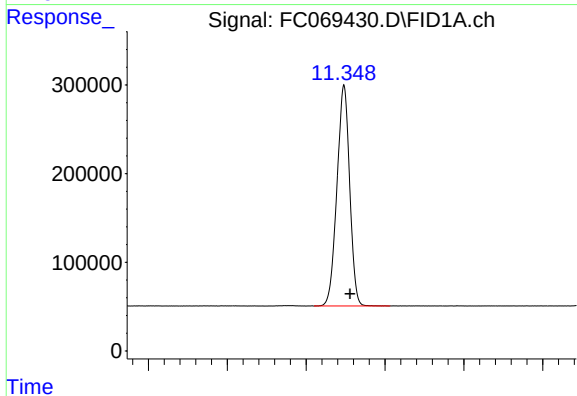
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: -0.007 min
Response: 2797044
Conc: 18.04 ug/ml



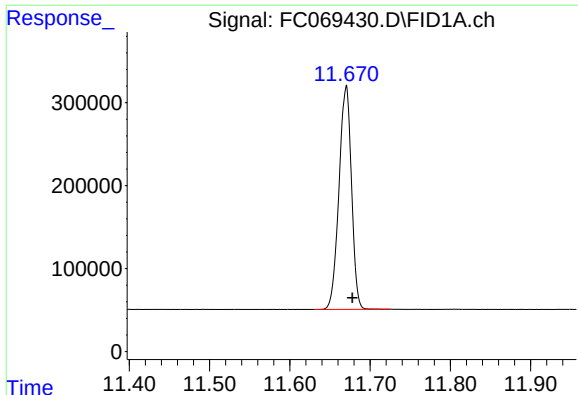
#7 n-Hexadecane (C16)

R.T.: 9.903 min
Delta R.T.: -0.007 min
Response: 2835552
Conc: 17.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.348 min
Delta R.T.: -0.008 min
Response: 2788004
Conc: 17.08 ug/ml



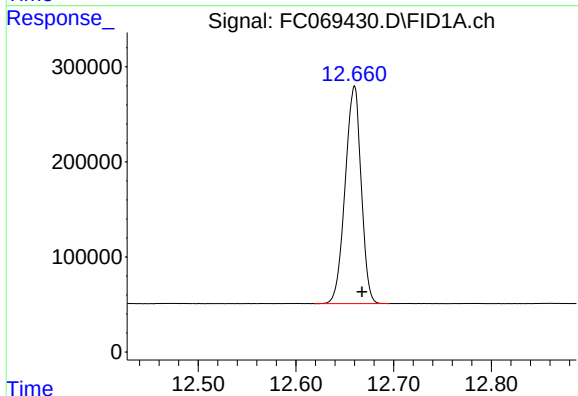
#9 ortho-Terphenyl (SURR)

R.T.: 11.670 min
Delta R.T.: -0.008 min
Response: 2919453
Conc: 16.90 ug/ml

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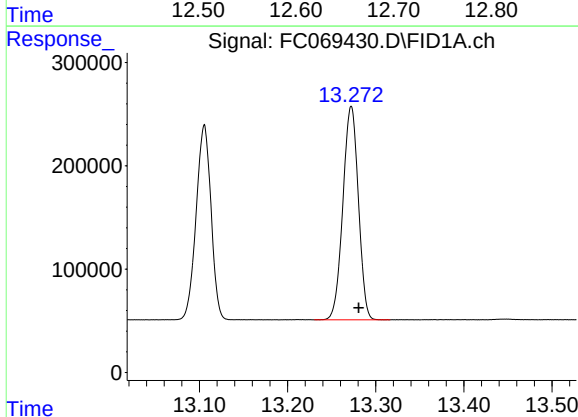
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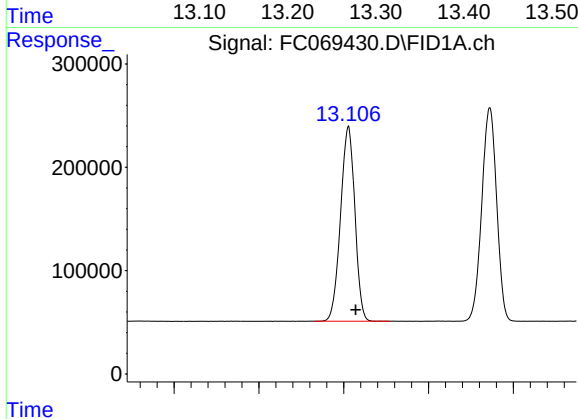
#10 n-Eicosane (C20)

R.T.: 12.660 min
Delta R.T.: -0.008 min
Response: 2603922
Conc: 17.06 ug/ml



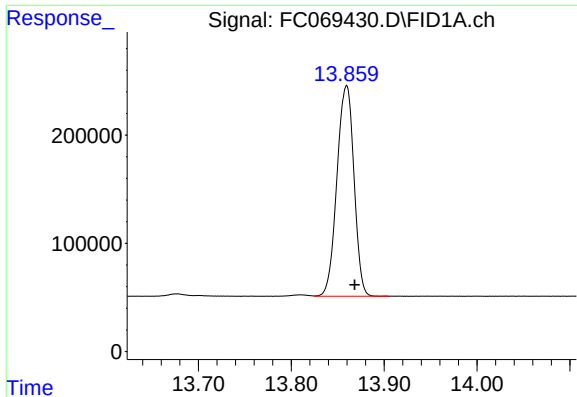
#11 n-Heneicosane (C21)

R.T.: 13.272 min
Delta R.T.: -0.009 min
Response: 2521864
Conc: 17.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.105 min
Delta R.T.: -0.009 min
Response: 2211250
Conc: 16.93 ug/ml



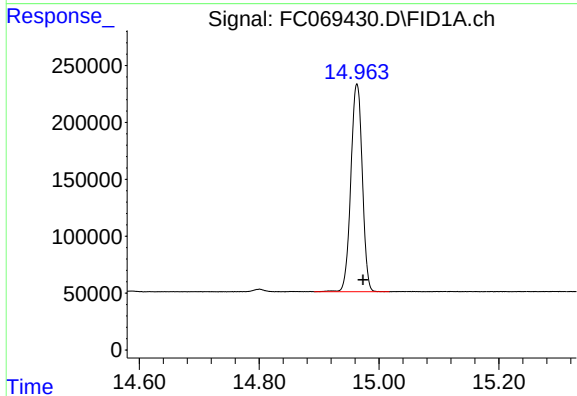
#13 n-Docosane (C22)

R.T.: 13.859 min
Delta R.T.: -0.009 min
Response: 2483425
Conc: 17.26 ug/ml

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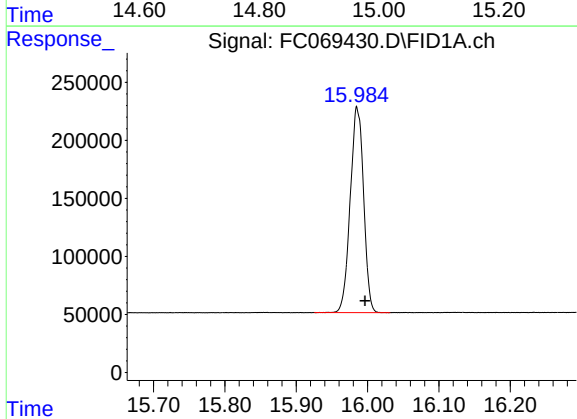
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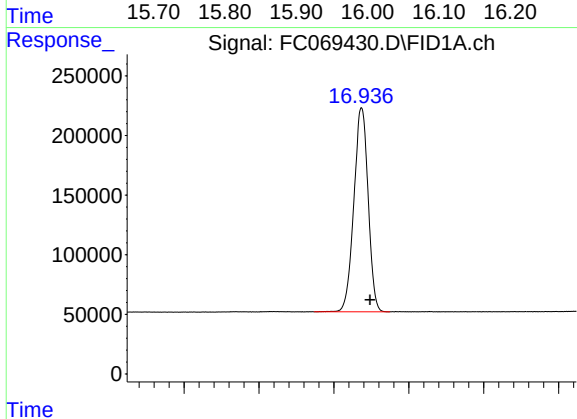
#14 n-Tetracosane (C24)

R.T.: 14.963 min
Delta R.T.: -0.010 min
Response: 2421322
Conc: 17.55 ug/ml



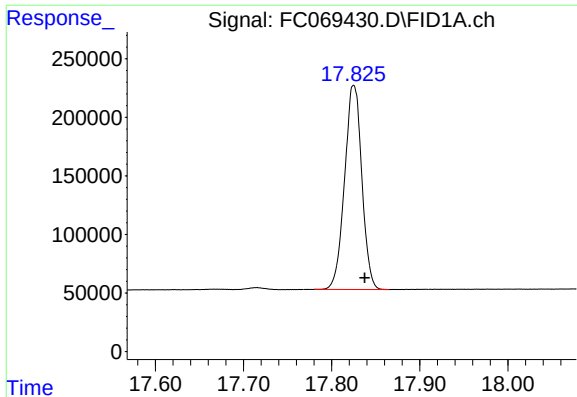
#15 n-Hexacosane (C26)

R.T.: 15.986 min
Delta R.T.: -0.011 min
Response: 2307158
Conc: 17.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.937 min
Delta R.T.: -0.012 min
Response: 2261971
Conc: 18.34 ug/ml



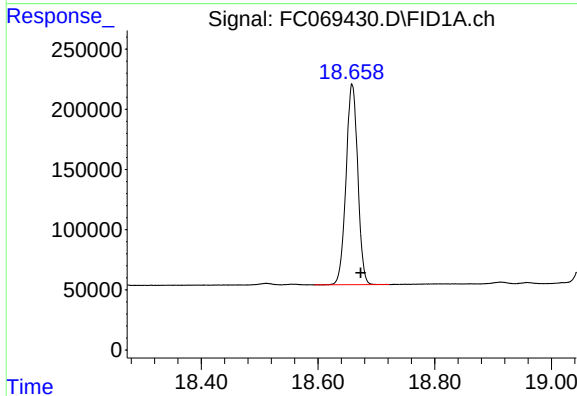
#17 n-Tricontane (C30)

R.T.: 17.825 min
Delta R.T.: -0.012 min
Response: 2371379
Conc: 19.95 ug/ml

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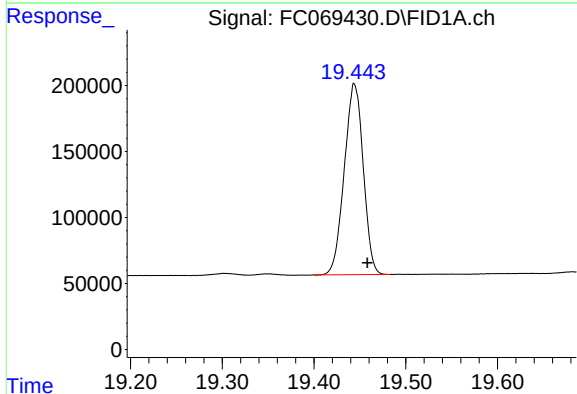
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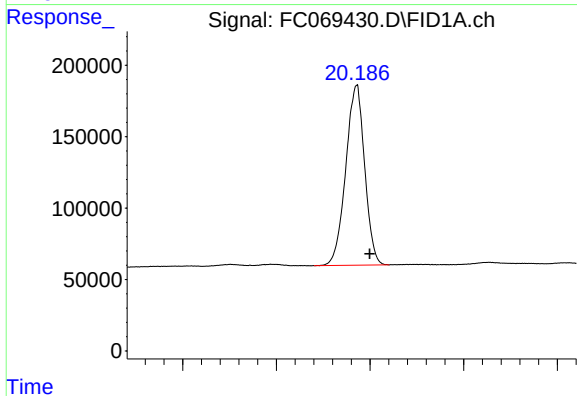
#18 n-Dotriacontane (C32)

R.T.: 18.659 min
Delta R.T.: -0.014 min
Response: 2325220
Conc: 21.27 ug/ml



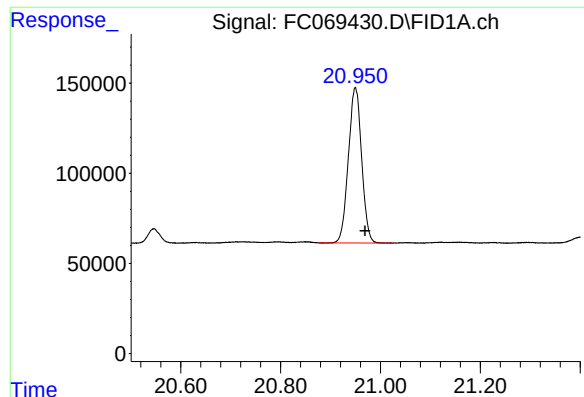
#19 n-Tetratriacontane (C34)

R.T.: 19.444 min
Delta R.T.: -0.014 min
Response: 2077482
Conc: 21.51 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.185 min
Delta R.T.: -0.014 min
Response: 1766619
Conc: 21.44 ug/ml



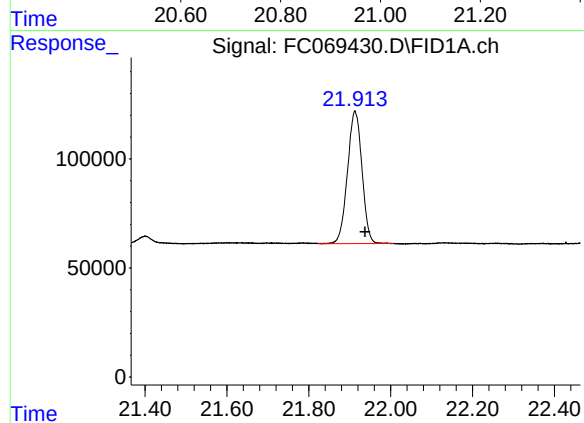
#21 n-Octatriacontane (C38)

R.T.: 20.950 min
Delta R.T.: -0.019 min
Response: 1586192
Conc: 21.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.913 min
Delta R.T.: -0.025 min
Response: 1493001
Conc: 21.08 ug/ml m