

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071425AL\
 Data File : FC069445.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 01:31
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2025
 Supervised By :mohammad ahmed 07/19/2025

Integration File: autoint1.e
 Quant Time: Jul 15 07:28:25 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)	11.668	3074910	17.799 ug/ml
Spiked Amount 50.000		Recovery =	35.60%
12) S 1-chlorooctadecane (S...	13.104	2354612	18.023 ug/ml
Spiked Amount 50.000		Recovery =	36.05%
Target Compounds			
1) T n-Nonane (C9)	3.400	2848704	20.030 ug/ml
2) T n-Decane (C10)	4.472	2918442	19.935 ug/ml
3) T A~Naphthalene (C11.7)	6.068	3153416	19.599 ug/ml
4) T n-Dodecane (C12)	6.498	2974736	19.645 ug/ml
5) T A~2-methylnaphthalene...	7.127	3046584	19.252 ug/ml
6) T n-Tetradecane (C14)	8.297	2991514	19.299 ug/ml
7) T n-Hexadecane (C16)	9.901	3063914	18.749 ug/ml
8) T n-Octadecane (C18)	11.346	3011295	18.444 ug/ml
10) T n-Eicosane (C20)	12.657	2793954	18.304 ug/ml
11) T n-Heneicosane (C21)	13.270	2695042	18.285 ug/ml
13) T n-Docosane (C22)	13.858	2631375	18.288 ug/ml
14) T n-Tetracosane (C24)	14.962	2524823	18.305 ug/ml
15) T n-Hexacosane (C26)	15.984	2394799	18.320 ug/ml
16) T n-Octacosane (C28)	16.936	2267640	18.387 ug/ml
17) T n-Tricontane (C30)	17.826	2214031	18.624 ug/ml
18) T n-Dotriacontane (C32)	18.658	2085889	19.078 ug/ml
19) T n-Tetratriacontane (C34)	19.444	1905206	19.730 ug/ml
20) T n-Hexatriacontane (C36)	20.184	1655410	20.087 ug/ml
21) T n-Octatriacontane (C38)	20.949	1553571	20.789 ug/ml
22) T n-Tetracontane (C40)	21.912	1513109	21.367 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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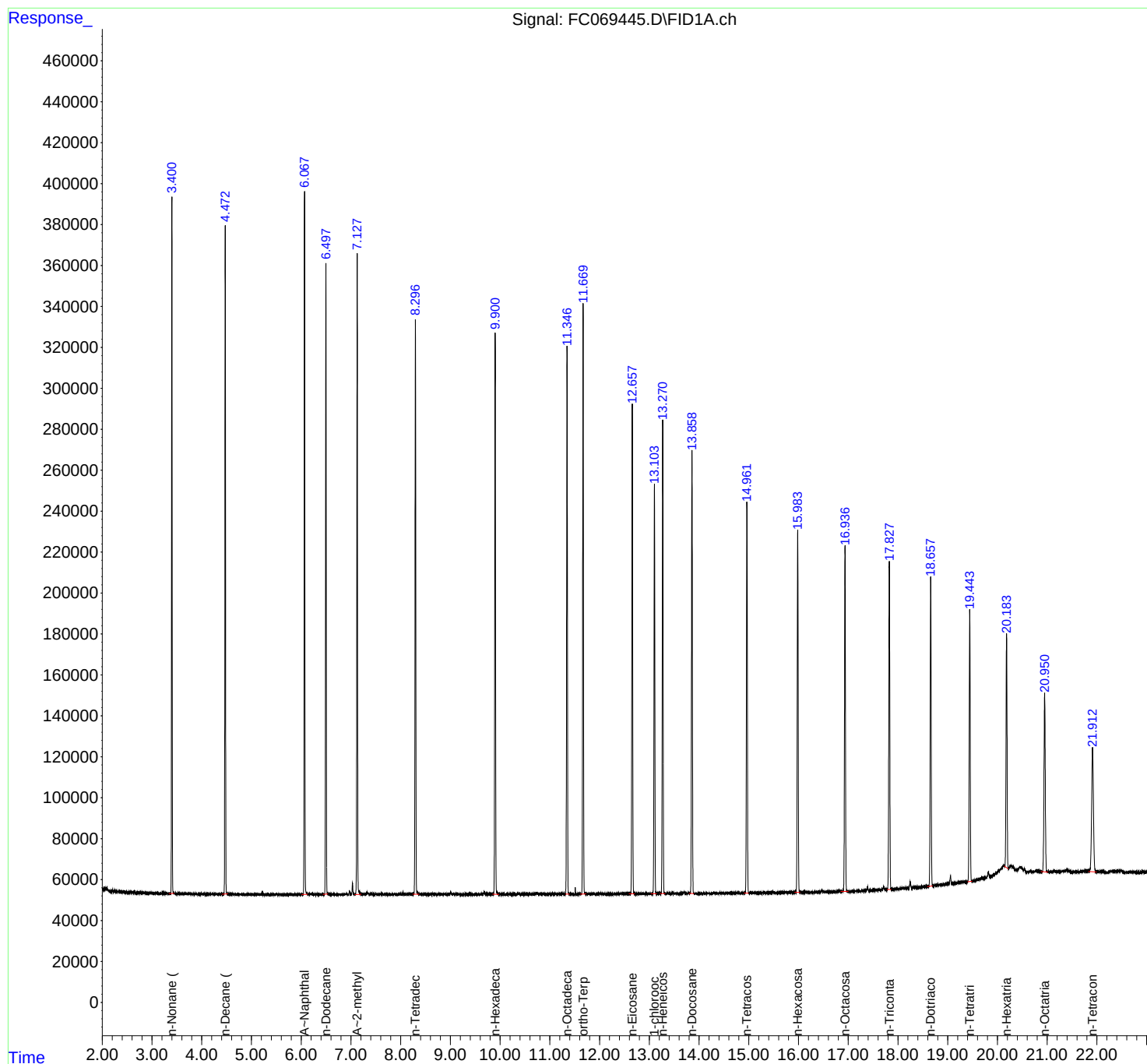
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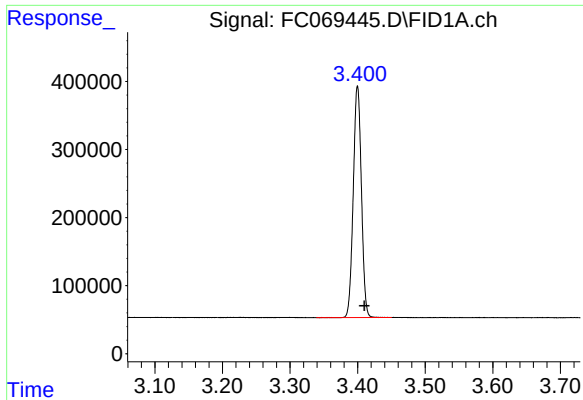
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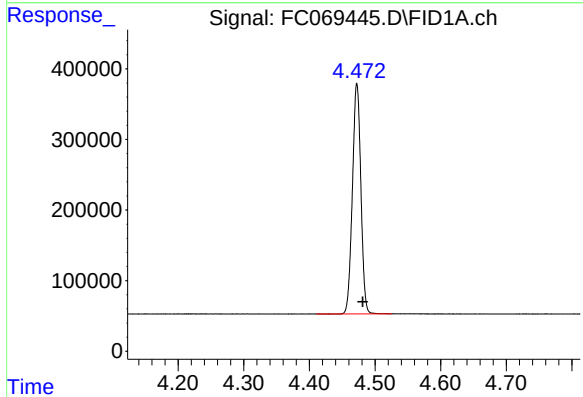
#1 n-Nonane (C9)

R.T.: 3.400 min
Delta R.T.: -0.010 min
Response: 2848704
Conc: 20.03 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

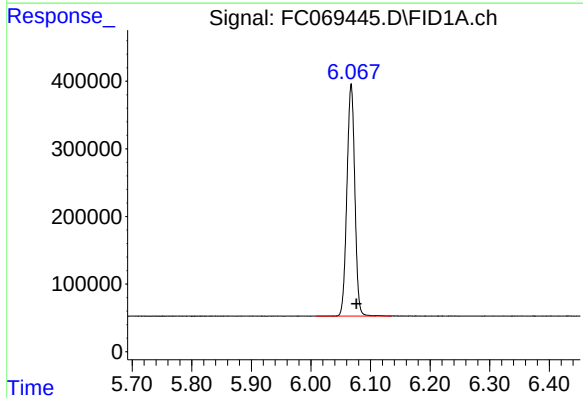
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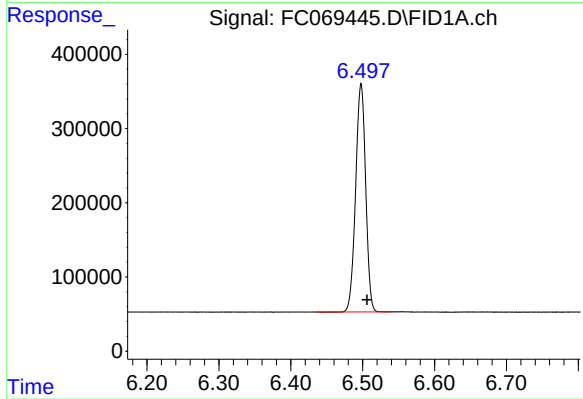
#2 n-Decane (C10)

R.T.: 4.472 min
Delta R.T.: -0.009 min
Response: 2918442
Conc: 19.94 ug/ml



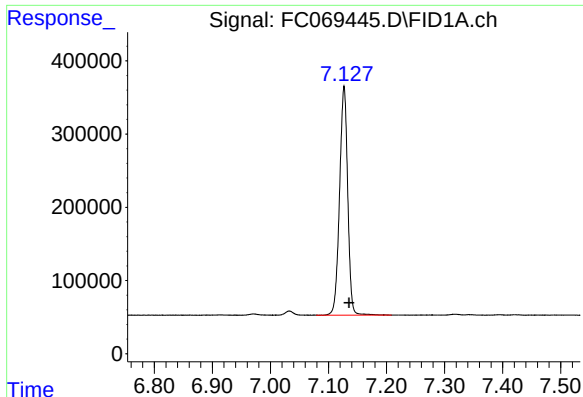
#3 A~Naphthalene (C11.7)

R.T.: 6.068 min
Delta R.T.: -0.009 min
Response: 3153416
Conc: 19.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.498 min
Delta R.T.: -0.008 min
Response: 2974736
Conc: 19.64 ug/ml



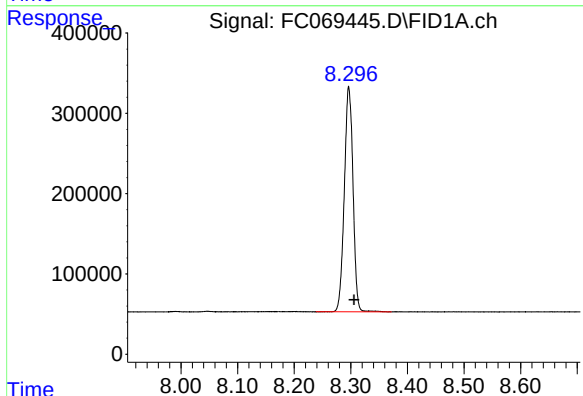
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.127 min
Delta R.T.: -0.009 min
Response: 3046584
Conc: 19.25 ug/ml

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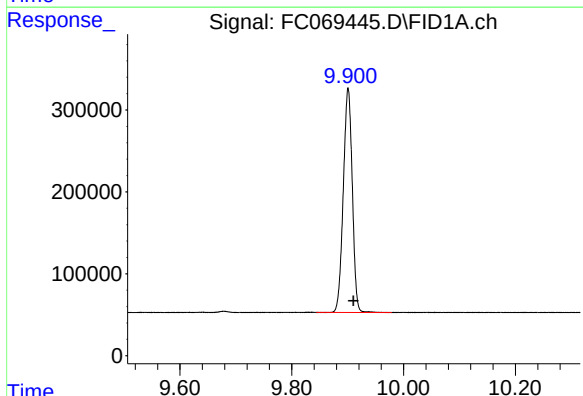
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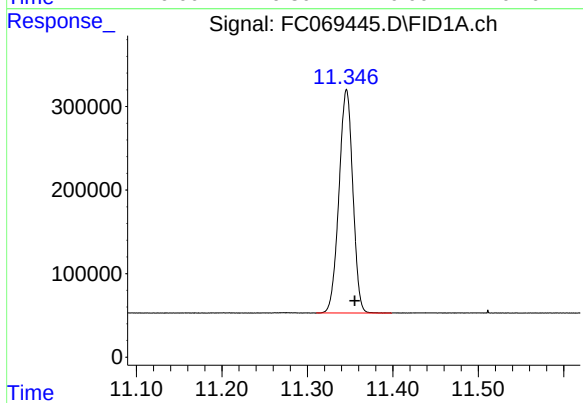
#6 n-Tetradecane (C14)

R.T.: 8.297 min
Delta R.T.: -0.009 min
Response: 2991514
Conc: 19.30 ug/ml



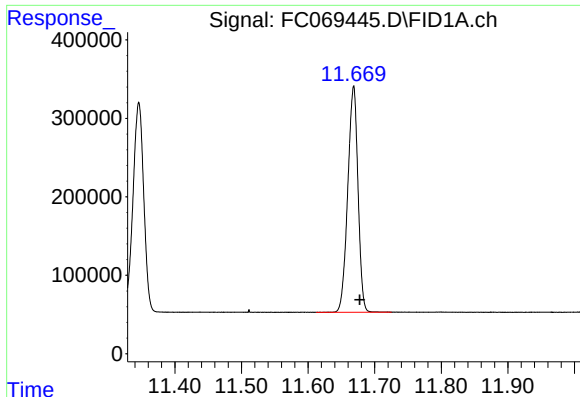
#7 n-Hexadecane (C16)

R.T.: 9.901 min
Delta R.T.: -0.010 min
Response: 3063914
Conc: 18.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.346 min
Delta R.T.: -0.010 min
Response: 3011295
Conc: 18.44 ug/ml



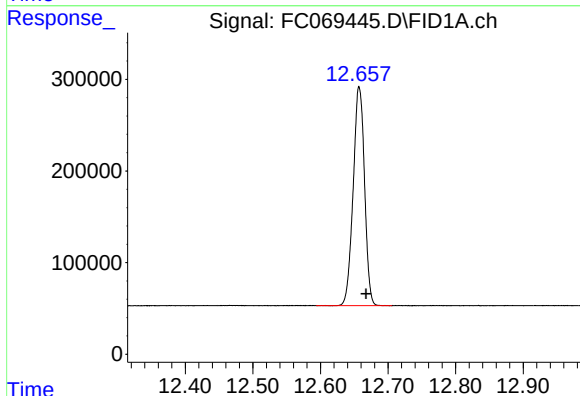
#9 ortho-Terphenyl (SURR)

R.T.: 11.668 min
Delta R.T.: -0.010 min
Response: 3074910
Conc: 17.80 ug/ml

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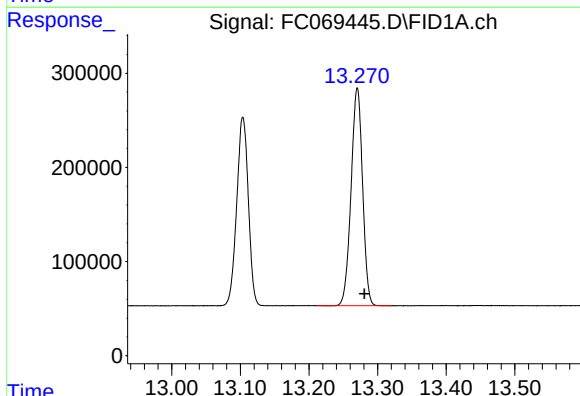
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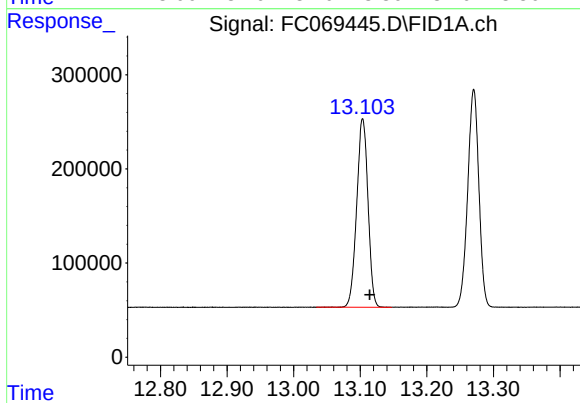
#10 n-Eicosane (C20)

R.T.: 12.657 min
Delta R.T.: -0.010 min
Response: 2793954
Conc: 18.30 ug/ml



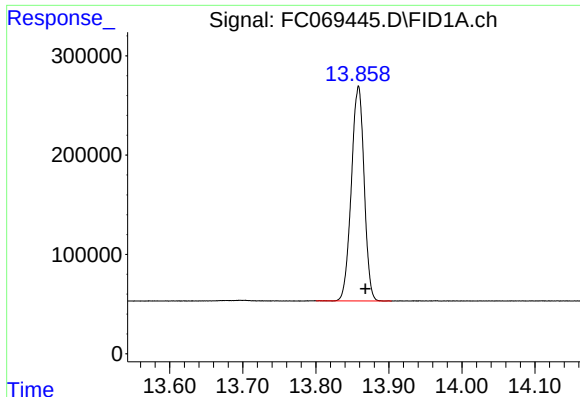
#11 n-Heneicosane (C21)

R.T.: 13.270 min
Delta R.T.: -0.010 min
Response: 2695042
Conc: 18.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.104 min
Delta R.T.: -0.011 min
Response: 2354612
Conc: 18.02 ug/ml



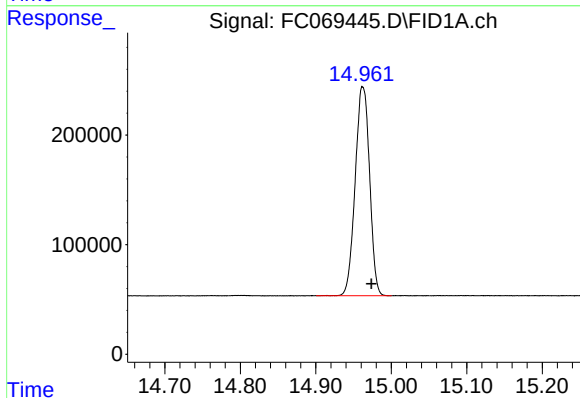
#13 n-Docosane (C22)

R.T.: 13.858 min
Delta R.T.: -0.010 min
Response: 2631375
Conc: 18.29 ug/ml

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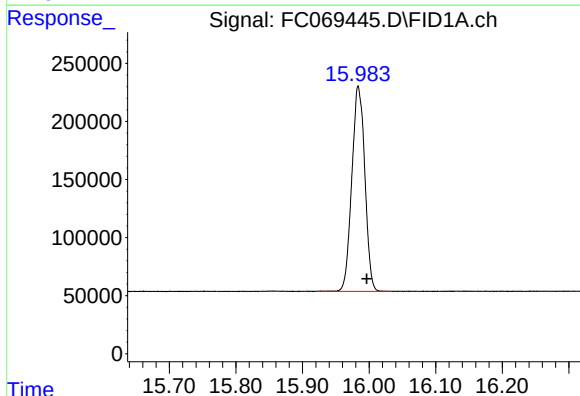
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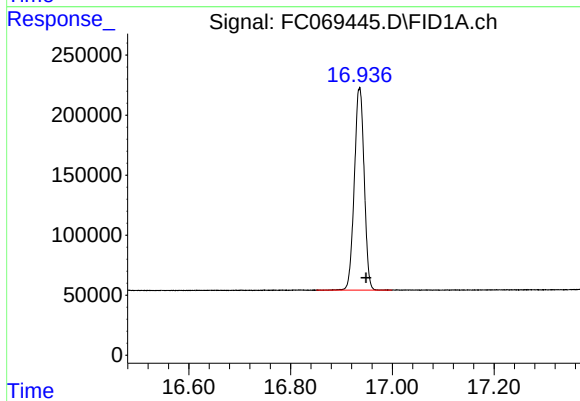
#14 n-Tetracosane (C24)

R.T.: 14.962 min
Delta R.T.: -0.011 min
Response: 2524823
Conc: 18.30 ug/ml



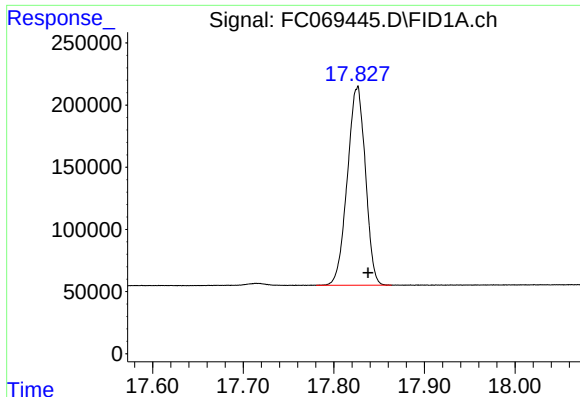
#15 n-Hexacosane (C26)

R.T.: 15.984 min
Delta R.T.: -0.012 min
Response: 2394799
Conc: 18.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.936 min
Delta R.T.: -0.013 min
Response: 2267640
Conc: 18.39 ug/ml



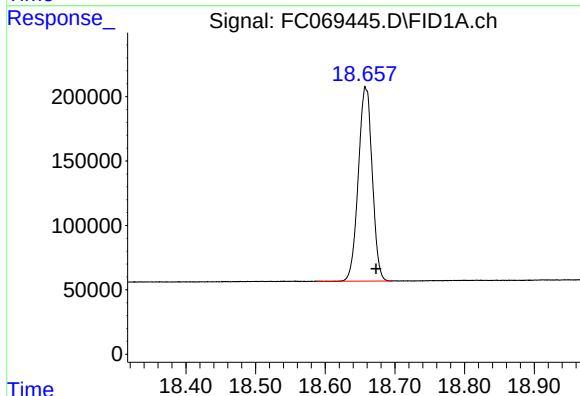
#17 n-Tricontane (C30)

R.T.: 17.826 min
Delta R.T.: -0.012 min
Response: 2214031
Conc: 18.62 ug/ml

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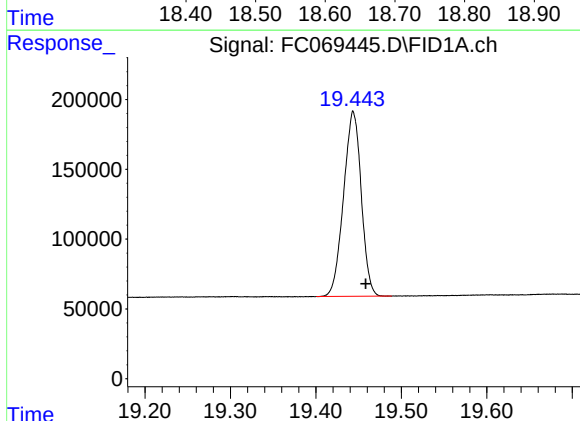
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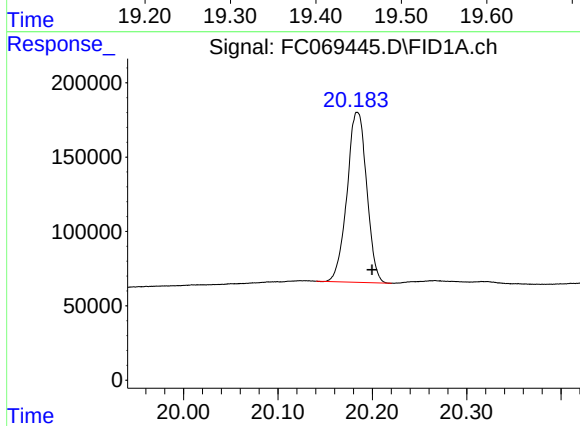
#18 n-Dotriacontane (C32)

R.T.: 18.658 min
Delta R.T.: -0.015 min
Response: 2085889
Conc: 19.08 ug/ml



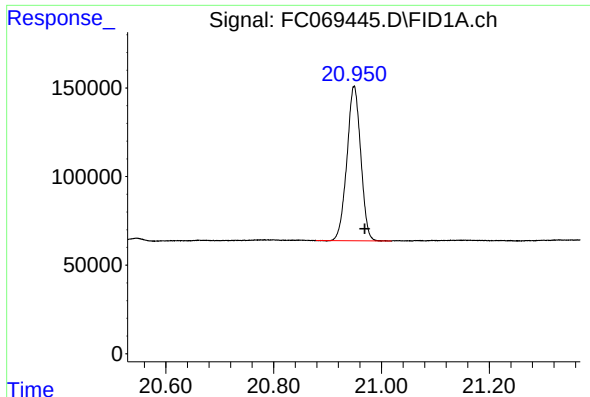
#19 n-Tetratriacontane (C34)

R.T.: 19.444 min
Delta R.T.: -0.014 min
Response: 1905206
Conc: 19.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.184 min
Delta R.T.: -0.015 min
Response: 1655410
Conc: 20.09 ug/ml



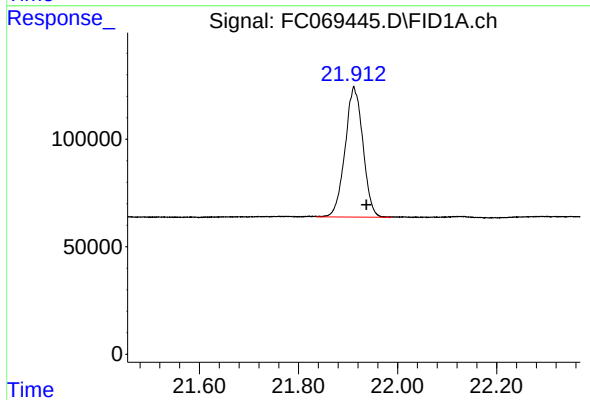
#21 n-Octatriacontane (C38)

R.T.: 20.949 min
Delta R.T.: -0.020 min
Response: 1553571
Conc: 20.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.912 min
Delta R.T.: -0.026 min
Response: 1513109
Conc: 21.37 ug/ml m