

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071125AL\
 Data File : FC069420.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jul 2025 12:19
 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 23:03:20 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	3163854	18.314 ug/ml
Spiked Amount 50.000		Recovery =	36.63%
12) S 1-chlorooctadecane (S...	13.106	2366134	18.112 ug/ml
Spiked Amount 50.000		Recovery =	36.22%
Target Compounds			
1) T n-Nonane (C9)	3.403	2912309	20.478 ug/ml
2) T n-Decane (C10)	4.476	3037836	20.751 ug/ml
3) T A~Naphthalene (C11.7)	6.070	3300556	20.514 ug/ml
4) T n-Dodecane (C12)	6.500	3075388	20.310 ug/ml
5) T A~2-methylnaphthalene...	7.129	3166887	20.012 ug/ml
6) T n-Tetradecane (C14)	8.299	3057878	19.728 ug/ml
7) T n-Hexadecane (C16)	9.904	3097849	18.957 ug/ml
8) T n-Octadecane (C18)	11.348	3032671	18.575 ug/ml
10) T n-Eicosane (C20)	12.659	2820228	18.476 ug/ml
11) T n-Heneicosane (C21)	13.273	2723299	18.476 ug/ml
13) T n-Docosane (C22)	13.860	2671804	18.569 ug/ml
14) T n-Tetracosane (C24)	14.964	2584223	18.736 ug/ml
15) T n-Hexacosane (C26)	15.988	2453213	18.766 ug/ml
16) T n-Octacosane (C28)	16.938	2398402	19.447 ug/ml
17) T n-Tricontane (C30)	17.827	2487408	20.923 ug/ml
18) T n-Dotriacontane (C32)	18.660	2424029	22.170 ug/ml
19) T n-Tetratriacontane (C34)	19.446	2168200	22.453 ug/ml
20) T n-Hexatriacontane (C36)	20.186	1847977	22.424 ug/ml
21) T n-Octatriacontane (C38)	20.951	1653178	22.122 ug/ml
22) T n-Tetracontane (C40)	21.912	1548536	21.867 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

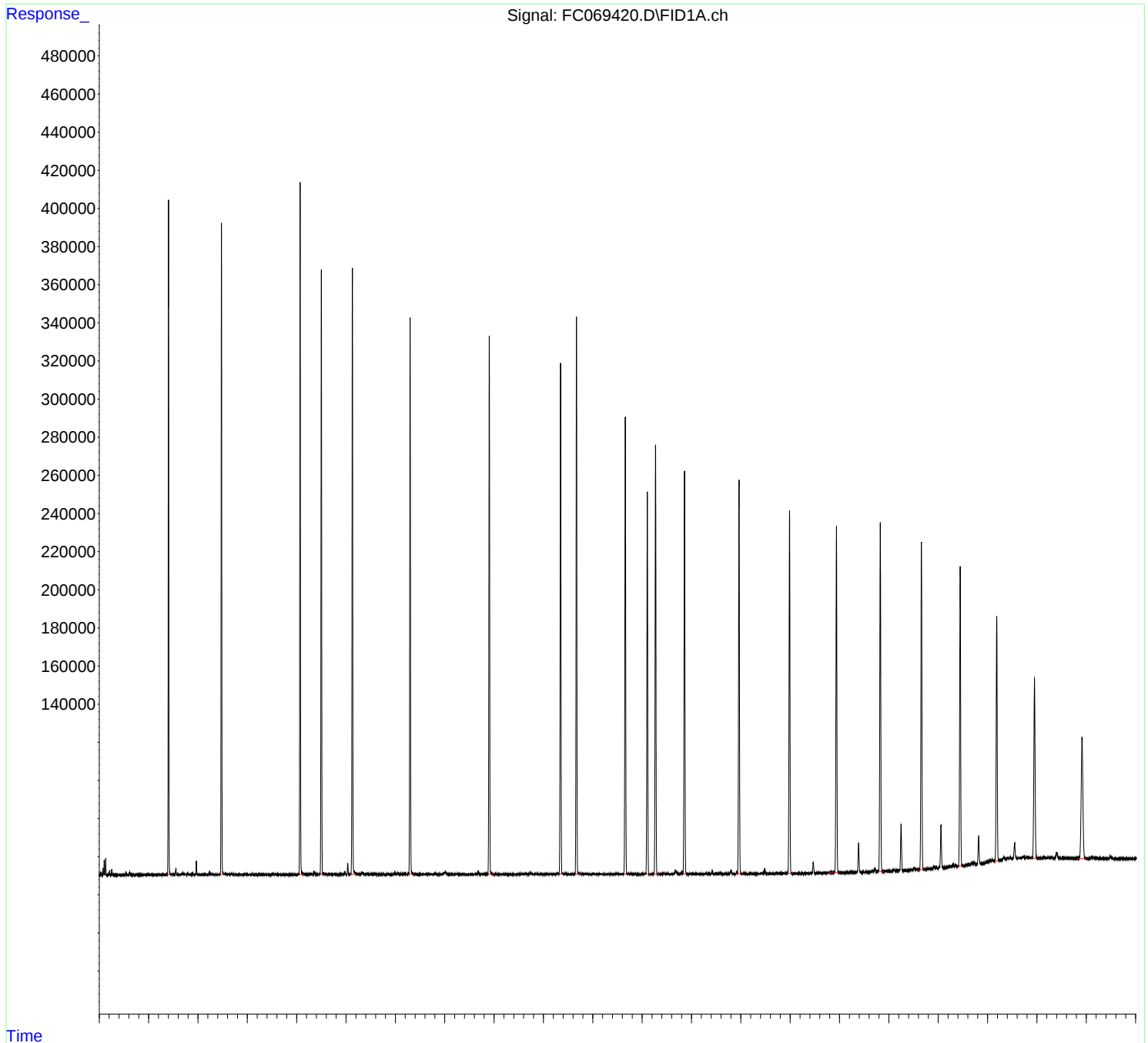
Instrument :
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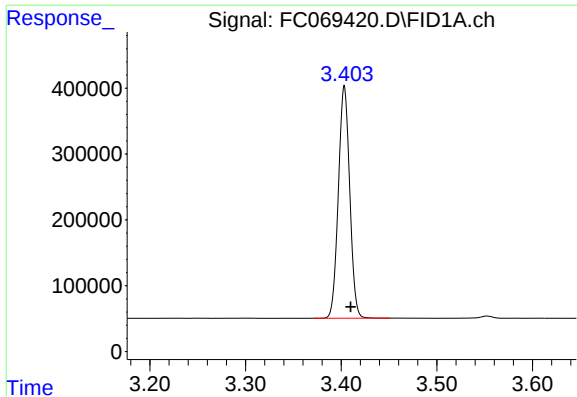
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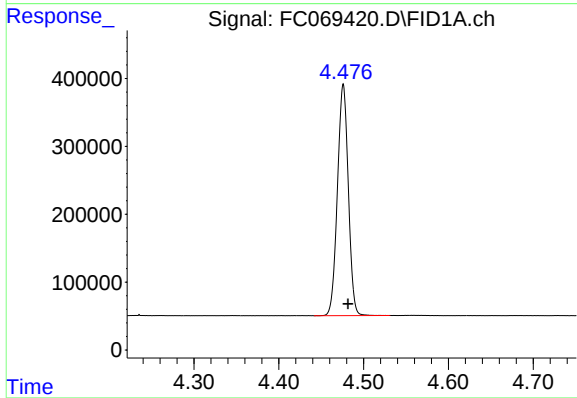
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.007 min
Response: 2912309
Conc: 20.48 ug/ml

Instrument :
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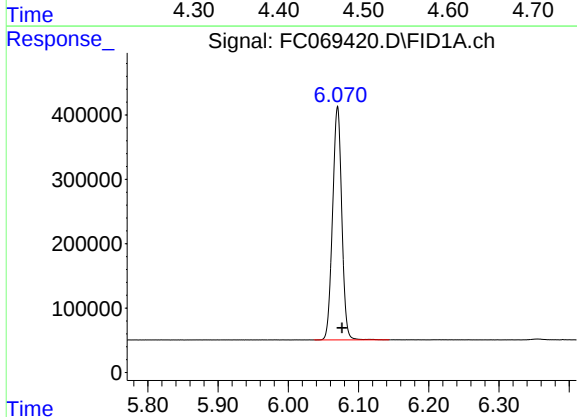
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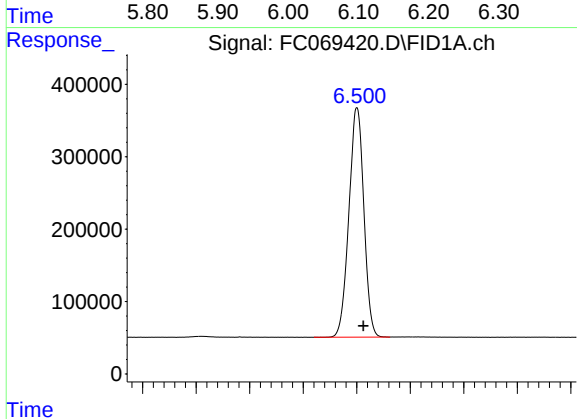
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.005 min
Response: 3037836
Conc: 20.75 ug/ml



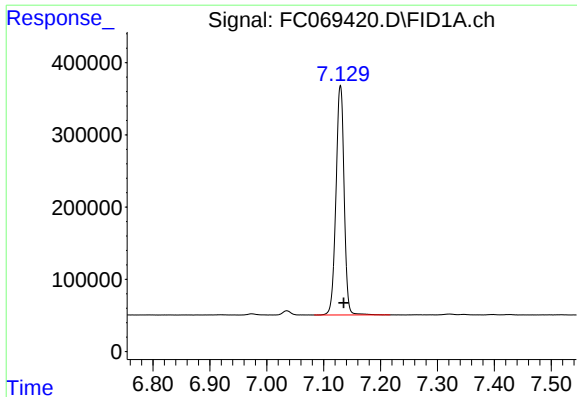
#3 A~Naphthalene (C11.7)

R.T.: 6.070 min
Delta R.T.: -0.006 min
Response: 3300556
Conc: 20.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.500 min
Delta R.T.: -0.006 min
Response: 3075388
Conc: 20.31 ug/ml



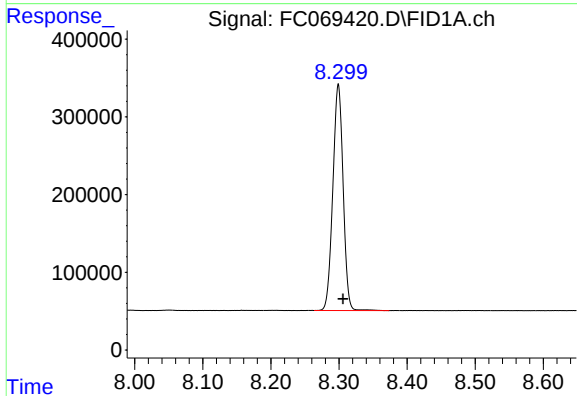
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.129 min
Delta R.T.: -0.006 min
Response: 3166887
Conc: 20.01 ug/ml

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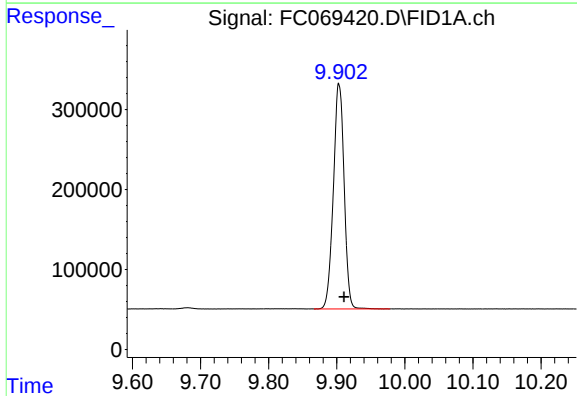
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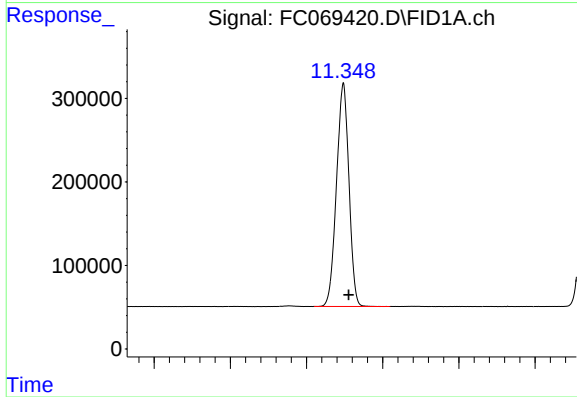
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: -0.007 min
Response: 3057878
Conc: 19.73 ug/ml



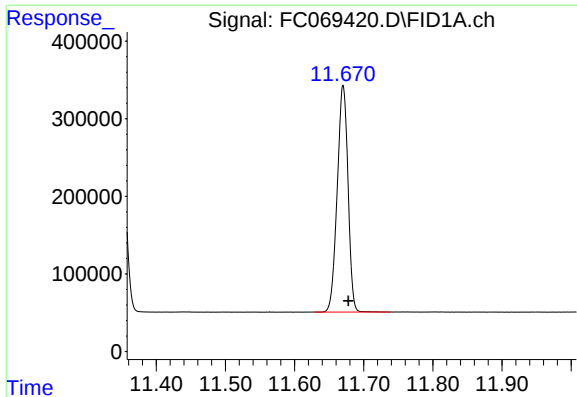
#7 n-Hexadecane (C16)

R.T.: 9.904 min
Delta R.T.: -0.007 min
Response: 3097849
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.348 min
Delta R.T.: -0.007 min
Response: 3032671
Conc: 18.57 ug/ml



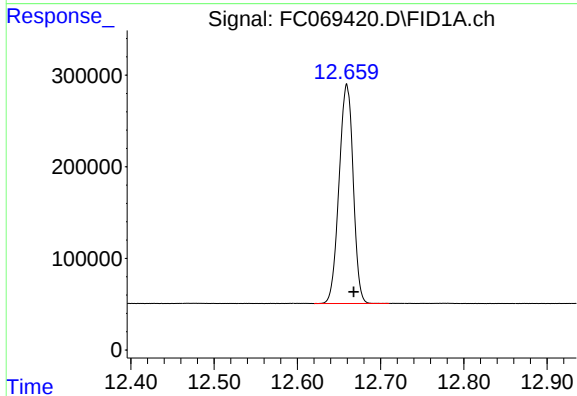
#9 ortho-Terphenyl (SURR)

R.T.: 11.670 min
Delta R.T.: -0.008 min
Response: 3163854
Conc: 18.31 ug/ml

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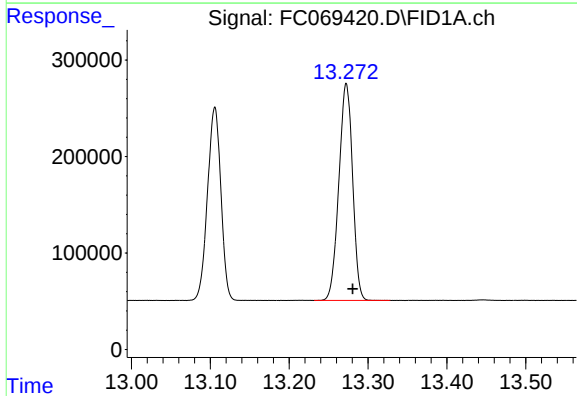
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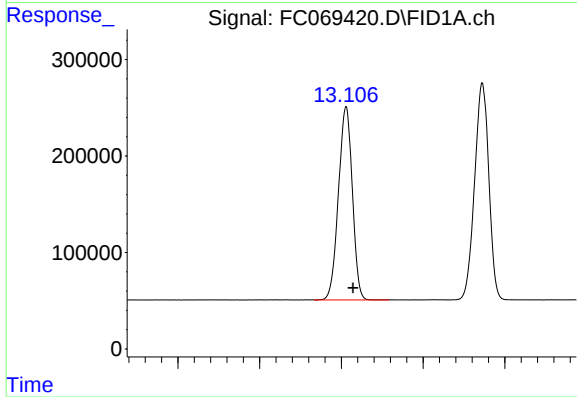
#10 n-Eicosane (C20)

R.T.: 12.659 min
Delta R.T.: -0.008 min
Response: 2820228
Conc: 18.48 ug/ml



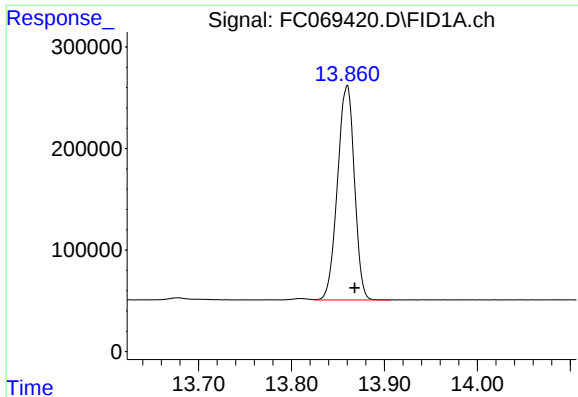
#11 n-Heneicosane (C21)

R.T.: 13.273 min
Delta R.T.: -0.008 min
Response: 2723299
Conc: 18.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.106 min
Delta R.T.: -0.009 min
Response: 2366134
Conc: 18.11 ug/ml



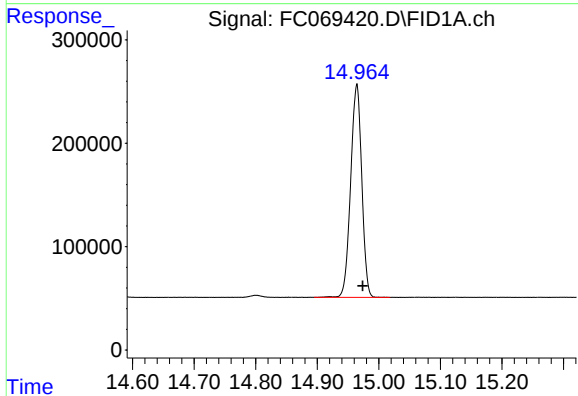
#13 n-Docosane (C22)

R.T.: 13.860 min
Delta R.T.: -0.009 min
Response: 2671804
Conc: 18.57 ug/ml

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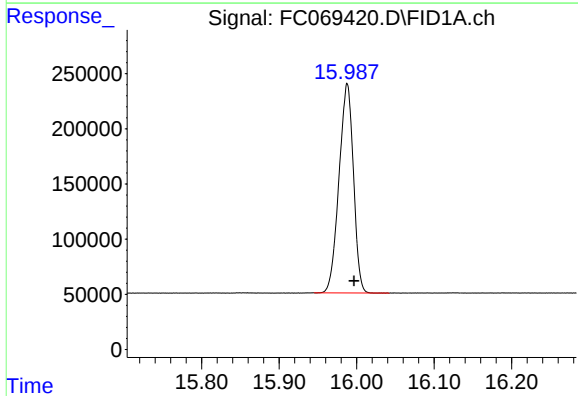
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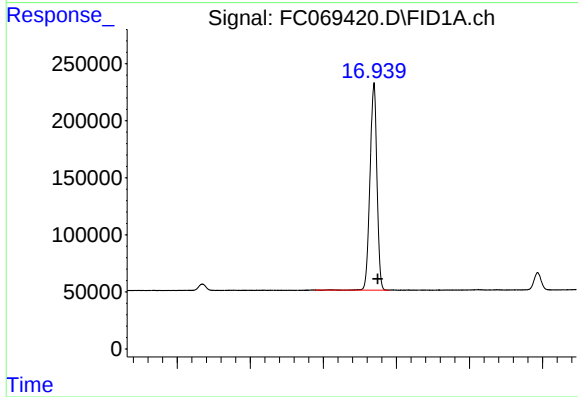
#14 n-Tetracosane (C24)

R.T.: 14.964 min
Delta R.T.: -0.010 min
Response: 2584223
Conc: 18.74 ug/ml



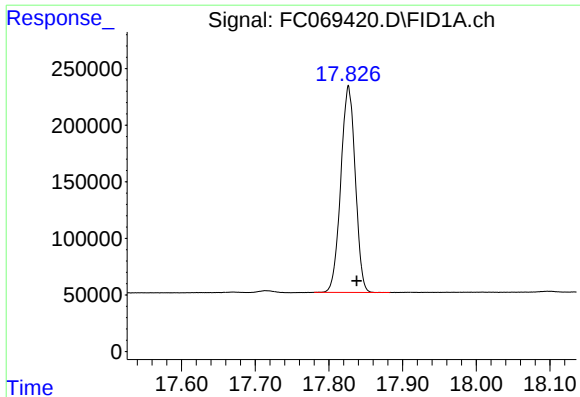
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: -0.009 min
Response: 2453213
Conc: 18.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.938 min
Delta R.T.: -0.010 min
Response: 2398402
Conc: 19.45 ug/ml



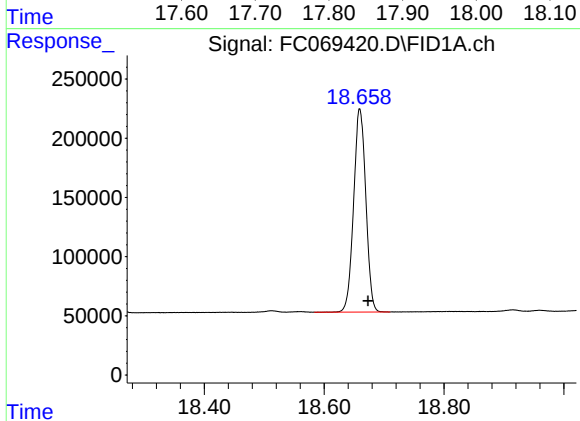
#17 n-Tricontane (C30)

R.T.: 17.827 min
Delta R.T.: -0.011 min
Response: 2487408
Conc: 20.92 ug/ml

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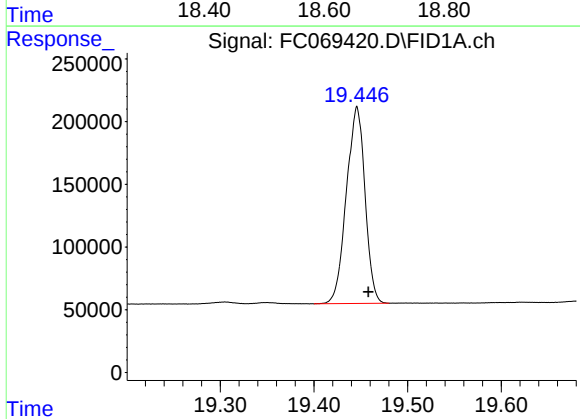
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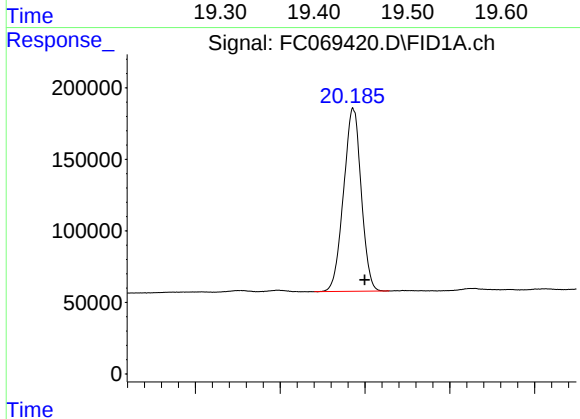
#18 n-Dotriacontane (C32)

R.T.: 18.660 min
Delta R.T.: -0.013 min
Response: 2424029
Conc: 22.17 ug/ml



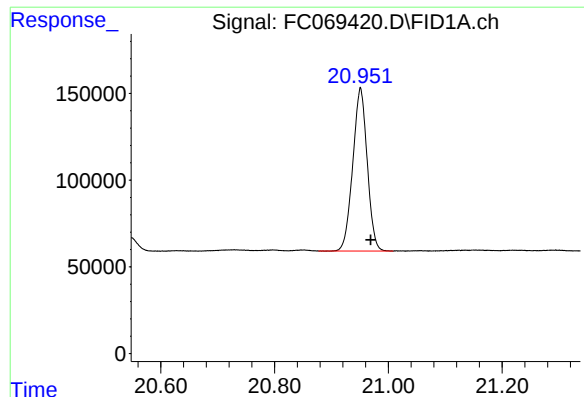
#19 n-Tetratriacontane (C34)

R.T.: 19.446 min
Delta R.T.: -0.012 min
Response: 2168200
Conc: 22.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.186 min
Delta R.T.: -0.014 min
Response: 1847977
Conc: 22.42 ug/ml



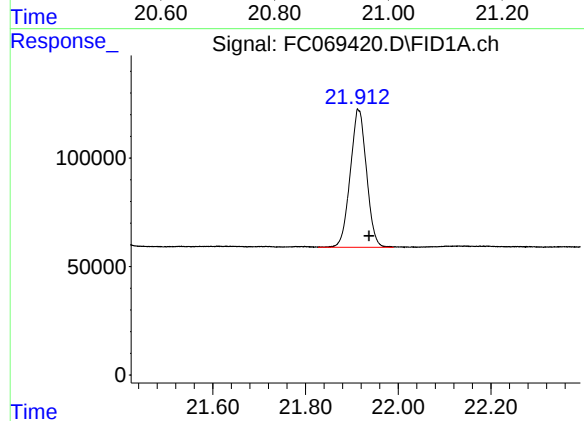
#21 n-Octatriacontane (C38)

R.T.: 20.951 min
Delta R.T.: -0.018 min
Response: 1653178
Conc: 22.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.912 min
Delta R.T.: -0.026 min
Response: 1548536
Conc: 21.87 ug/ml m