

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016154.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 15:08
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
 Quant Time: Jun 28 04:31:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.090	2561170	19.850 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
12) S 1-chlorooctadecane (S...	13.533	1991128	19.760 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
Target Compounds			
1) T n-Nonane (C9)	3.416	2105314	19.458 ug/ml
2) T n-Decane (C10)	4.676	2145909	19.563 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2348189	19.653 ug/ml
4) T n-Dodecane (C12)	6.855	2165733	19.669 ug/ml
5) T A~2-methylnaphthalene...	7.494	2295254	19.734 ug/ml
6) T n-Tetradecane (C14)	8.694	2171295	19.772 ug/ml
7) T n-Hexadecane (C16)	10.313	2256442	19.823 ug/ml
8) T n-Octadecane (C18)	11.766	2306013	19.809 ug/ml
10) T n-Eicosane (C20)	13.085	2255532	19.818 ug/ml
11) T n-Heneicosane (C21)	13.701	2239374	19.780 ug/ml
13) T n-Docosane (C22)	14.291	2247672	19.772 ug/ml
14) T n-Tetracosane (C24)	15.402	2274044	19.721 ug/ml
15) T n-Hexacosane (C26)	16.429	2268889	19.716 ug/ml
16) T n-Octacosane (C28)	17.384	2260666	19.919 ug/ml
17) T n-Tricontane (C30)	18.277	2349006	20.517 ug/ml
18) T n-Dotriacontane (C32)	19.114	2251236	20.648 ug/ml
19) T n-Tetratriacontane (C34)	19.902	1997701	20.192 ug/ml
20) T n-Hexatriacontane (C36)	20.643	1678860	19.779 ug/mlm
21) T n-Octatriacontane (C38)	21.430	1493808	19.788 ug/ml
22) T n-Tetracontane (C40)	22.433	1391692	20.126 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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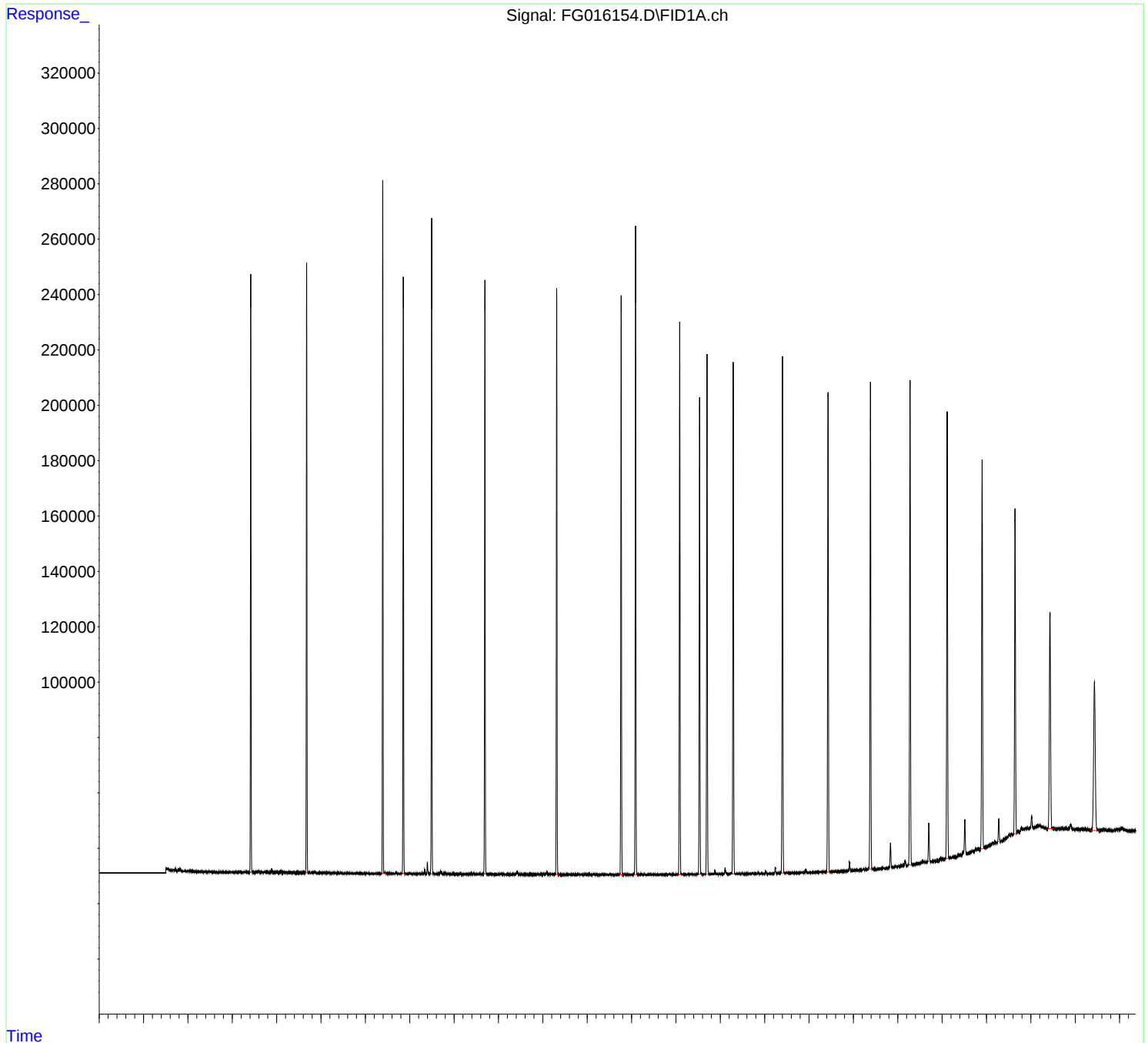
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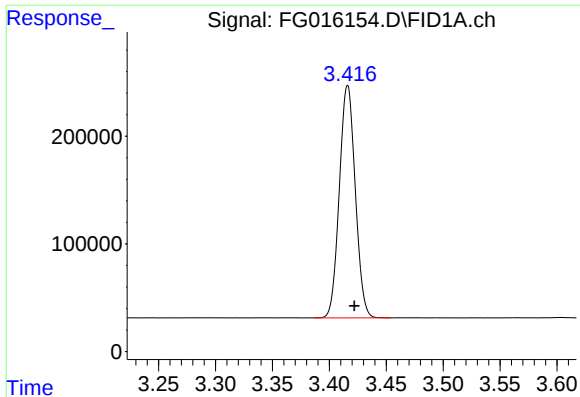
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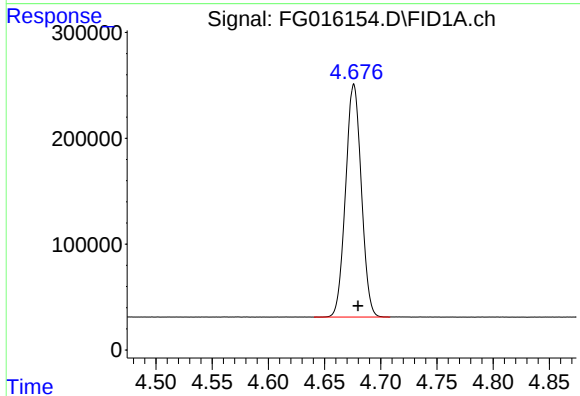
#1 n-Nonane (C9)

R.T.: 3.416 min
Delta R.T.: -0.006 min
Response: 2105314
Conc: 19.46 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

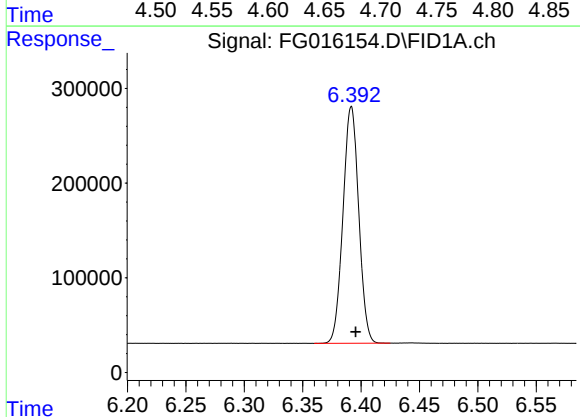
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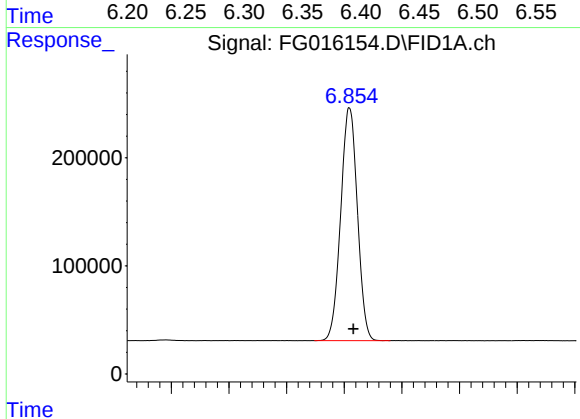
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: -0.004 min
Response: 2145909
Conc: 19.56 ug/ml



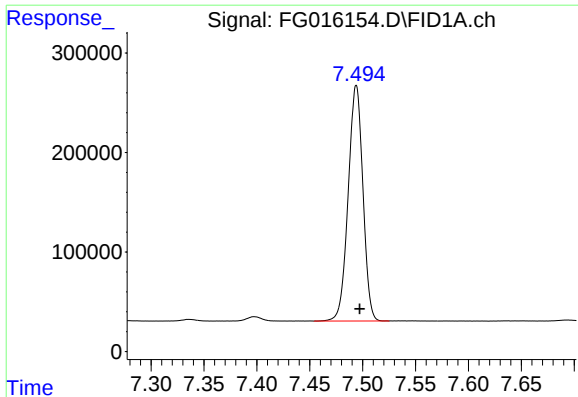
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: -0.004 min
Response: 2348189
Conc: 19.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.855 min
Delta R.T.: -0.003 min
Response: 2165733
Conc: 19.67 ug/ml



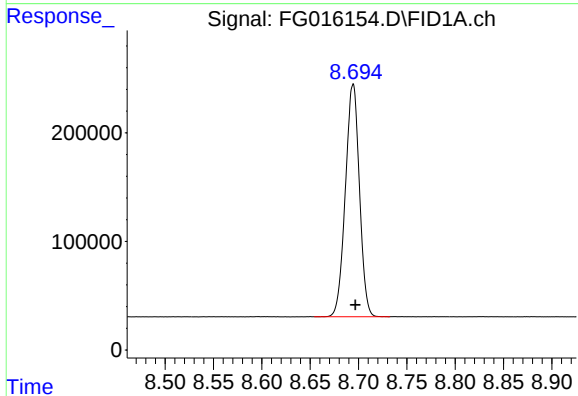
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.494 min
Delta R.T.: -0.003 min
Response: 2295254
Conc: 19.73 ug/ml

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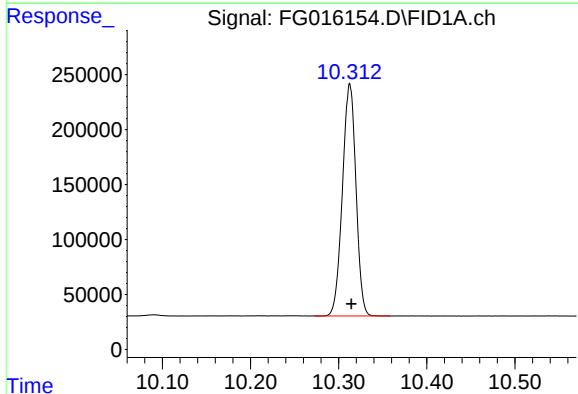
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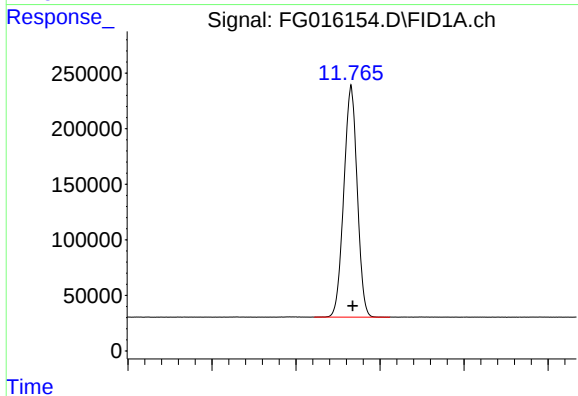
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: -0.002 min
Response: 2171295
Conc: 19.77 ug/ml



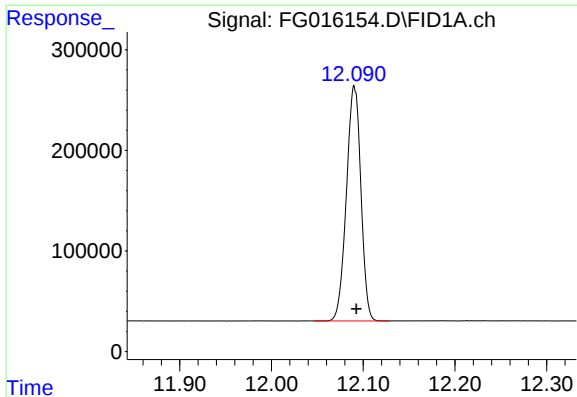
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: -0.002 min
Response: 2256442
Conc: 19.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.766 min
Delta R.T.: -0.002 min
Response: 2306013
Conc: 19.81 ug/ml



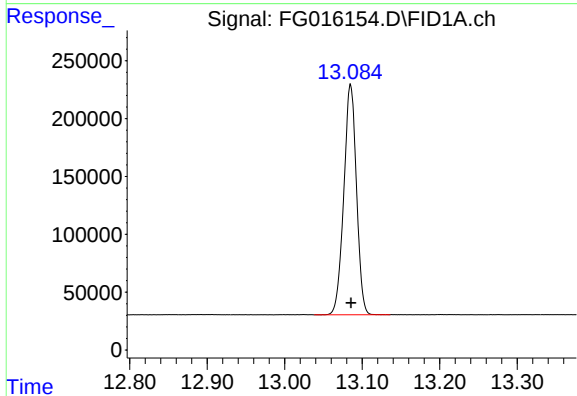
#9 ortho-Terphenyl (SURR)

R.T.: 12.090 min
Delta R.T.: -0.002 min
Response: 2561170
Conc: 19.85 ug/ml

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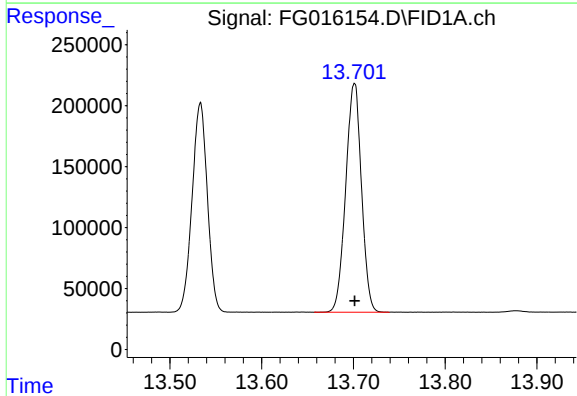
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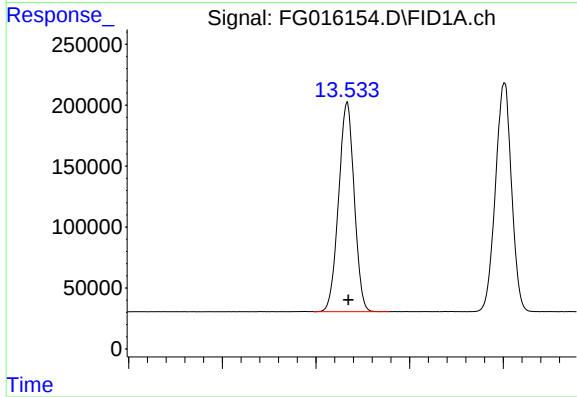
#10 n-Eicosane (C20)

R.T.: 13.085 min
Delta R.T.: 0.000 min
Response: 2255532
Conc: 19.82 ug/ml



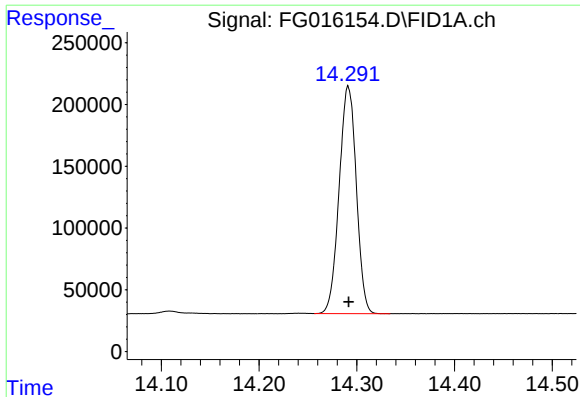
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 2239374
Conc: 19.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.533 min
Delta R.T.: -0.001 min
Response: 1991128
Conc: 19.76 ug/ml



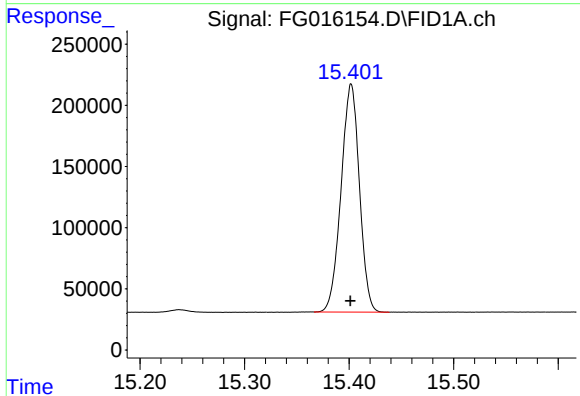
#13 n-Docosane (C22)

R.T.: 14.291 min
Delta R.T.: 0.000 min
Response: 2247672
Conc: 19.77 ug/ml

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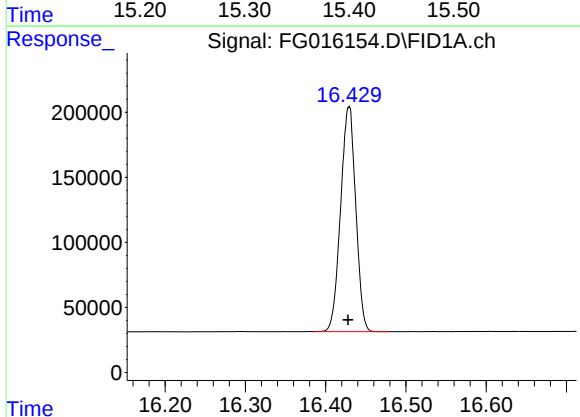
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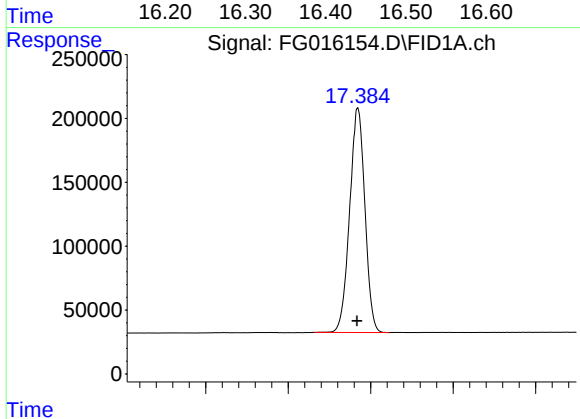
#14 n-Tetracosane (C24)

R.T.: 15.402 min
Delta R.T.: 0.000 min
Response: 2274044
Conc: 19.72 ug/ml



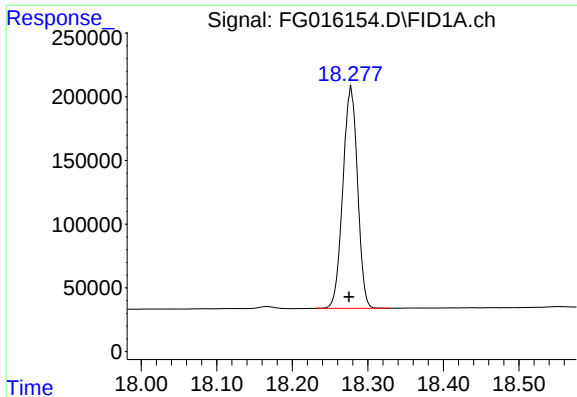
#15 n-Hexacosane (C26)

R.T.: 16.429 min
Delta R.T.: 0.001 min
Response: 2268889
Conc: 19.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.384 min
Delta R.T.: 0.001 min
Response: 2260666
Conc: 19.92 ug/ml



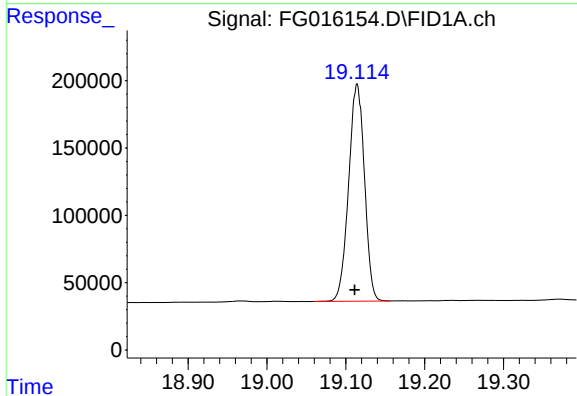
#17 n-Tricontane (C30)

R.T.: 18.277 min
Delta R.T.: 0.002 min
Response: 2349006
Conc: 20.52 ug/ml

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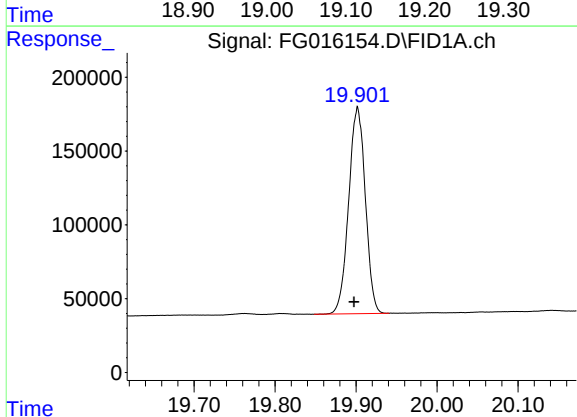
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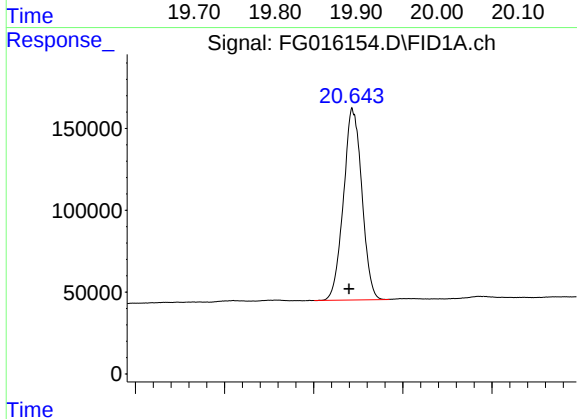
#18 n-Dotriacontane (C32)

R.T.: 19.114 min
Delta R.T.: 0.003 min
Response: 2251236
Conc: 20.65 ug/ml



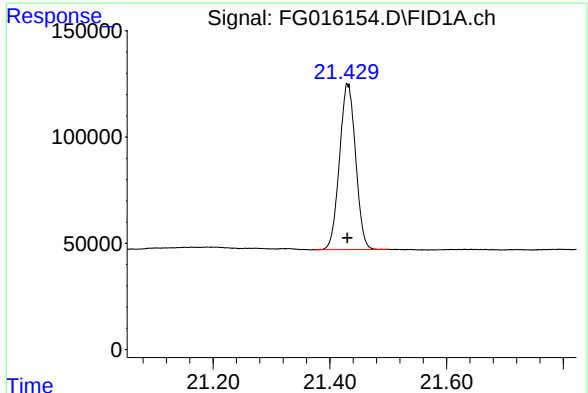
#19 n-Tetratriacontane (C34)

R.T.: 19.902 min
Delta R.T.: 0.004 min
Response: 1997701
Conc: 20.19 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.643 min
Delta R.T.: 0.003 min
Response: 1678860
Conc: 19.78 ug/ml m



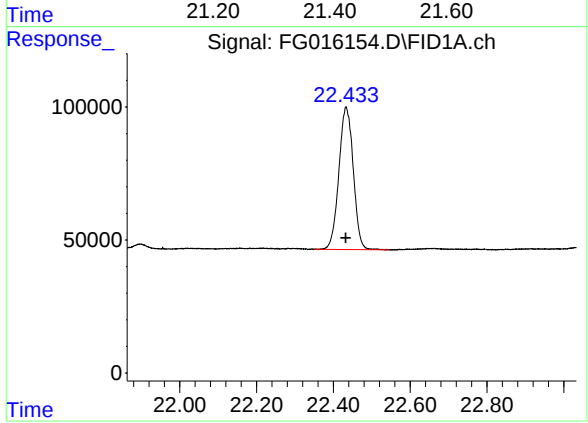
#21 n-Octatriacontane (C38)

R.T.: 21.430 min
Delta R.T.: 0.000 min
Response: 1493808
Conc: 19.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.433 min
Delta R.T.: 0.001 min
Response: 1391692
Conc: 20.13 ug/ml