

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060625AL\
 Data File : FC069130.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jun 2025 05:14
 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 06/09/2025
 Supervised By :mohammad ahmed 06/10/2025

Integration File: autoint1.e
 Quant Time: Jun 07 05:39:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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)	11.676	2366392	19.185 ug/ml
Spiked Amount 50.000		Recovery =	38.37%
12) S 1-chlorooctadecane (S...	13.113	1712282	19.086 ug/ml
Spiked Amount 50.000		Recovery =	38.17%
Target Compounds			
1) T n-Nonane (C9)	3.401	2116744	19.946 ug/ml
2) T n-Decane (C10)	4.476	2123995	20.055 ug/ml
3) T A~Naphthalene (C11.7)	6.070	2305270	19.936 ug/ml
4) T n-Dodecane (C12)	6.502	2085480	19.839 ug/ml
5) T A~2-methylnaphthalene...	7.130	2244733	19.800 ug/ml
6) T n-Tetradecane (C14)	8.303	1988674	19.401 ug/ml
7) T n-Hexadecane (C16)	9.908	1923608	18.958 ug/ml
8) T n-Octadecane (C18)	11.353	1884518	18.856 ug/mlm
10) T n-Eicosane (C20)	12.666	1826746	18.755 ug/ml
11) T n-Heneicosane (C21)	13.280	1808816	18.792 ug/ml
13) T n-Docosane (C22)	13.868	1808160	18.980 ug/ml
14) T n-Tetracosane (C24)	14.973	1807440	19.197 ug/ml
15) T n-Hexacosane (C26)	15.997	1790468	19.285 ug/ml
16) T n-Octacosane (C28)	16.950	1834109	19.732 ug/ml
17) T n-Tricontane (C30)	17.840	1972982	20.391 ug/ml
18) T n-Dotriacontane (C32)	18.675	2036112	20.546 ug/ml
19) T n-Tetratriacontane (C34)	19.461	1932246	20.048 ug/ml
20) T n-Hexatriacontane (C36)	20.203	1875804	19.760 ug/ml
21) T n-Octatriacontane (C38)	20.971	1789568	19.615 ug/ml
22) T n-Tetracontane (C40)	21.942	1739909	19.719 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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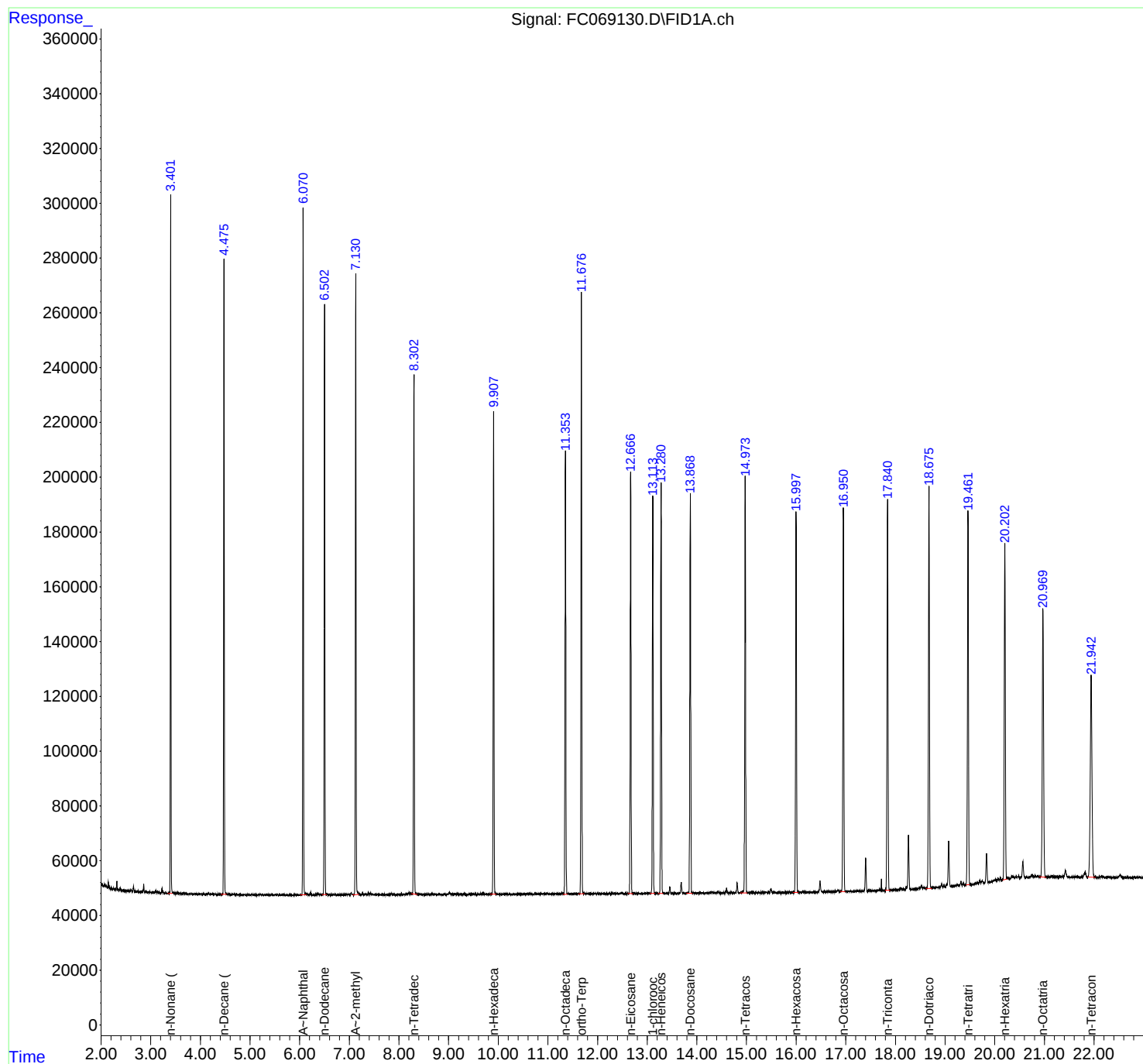
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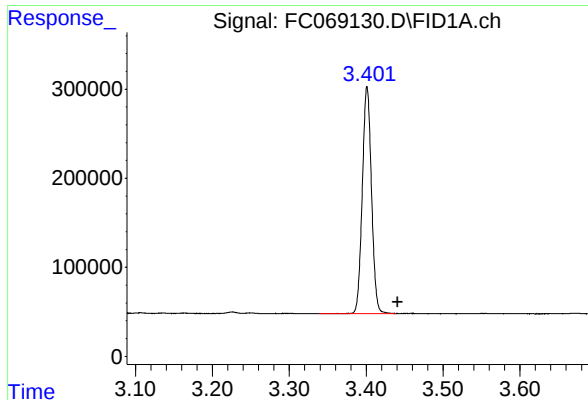
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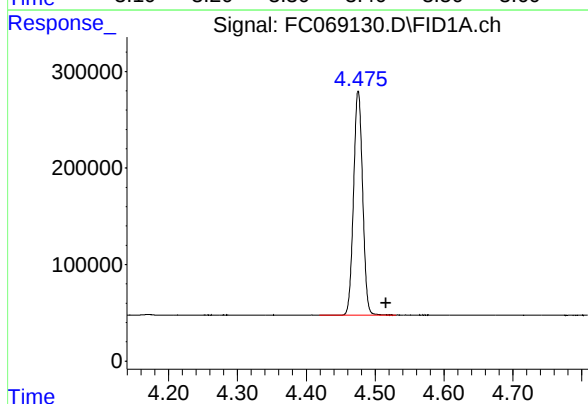
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: -0.040 min
Response: 2116744
Conc: 19.95 ug/ml

Instrument :
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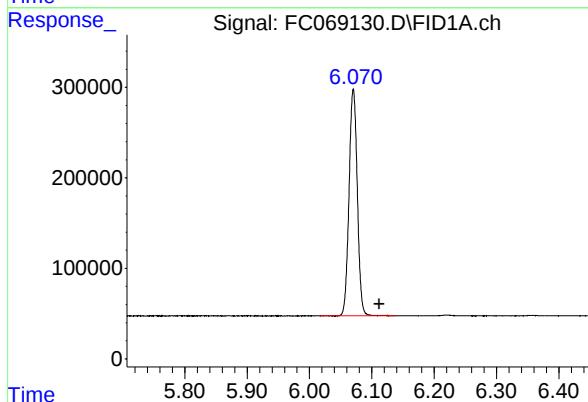
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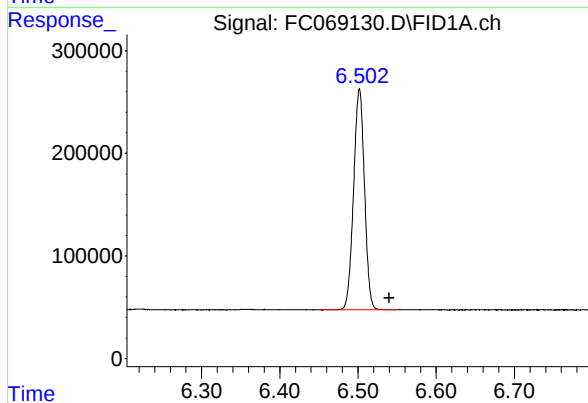
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.040 min
Response: 2123995
Conc: 20.06 ug/ml



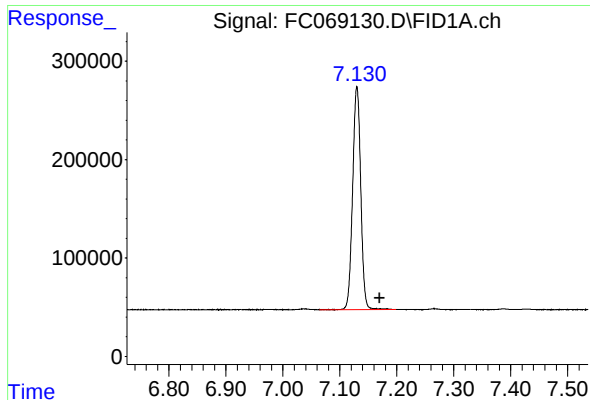
#3 A~Naphthalene (C11.7)

R.T.: 6.070 min
Delta R.T.: -0.042 min
Response: 2305270
Conc: 19.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.502 min
Delta R.T.: -0.038 min
Response: 2085480
Conc: 19.84 ug/ml



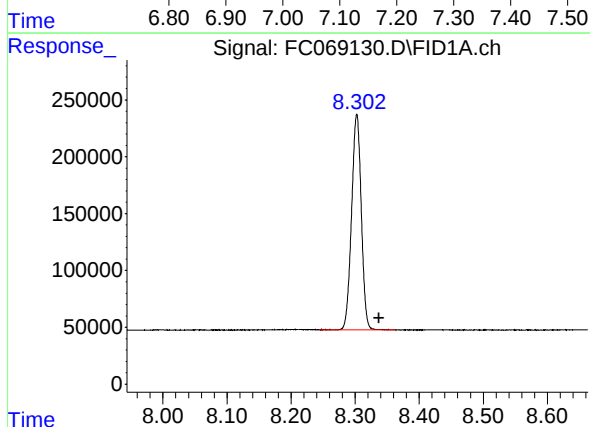
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.130 min
Delta R.T.: -0.040 min
Response: 2244733
Conc: 19.80 ug/ml

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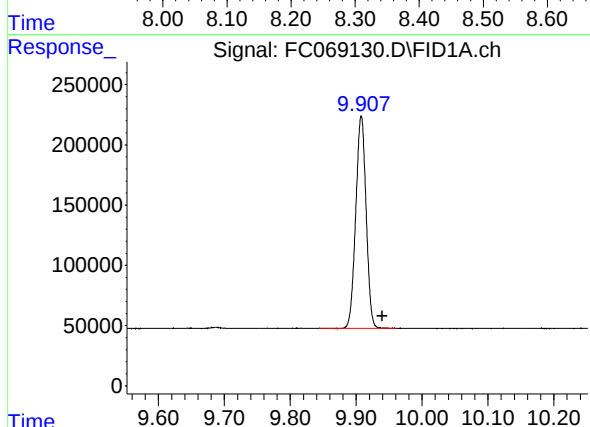
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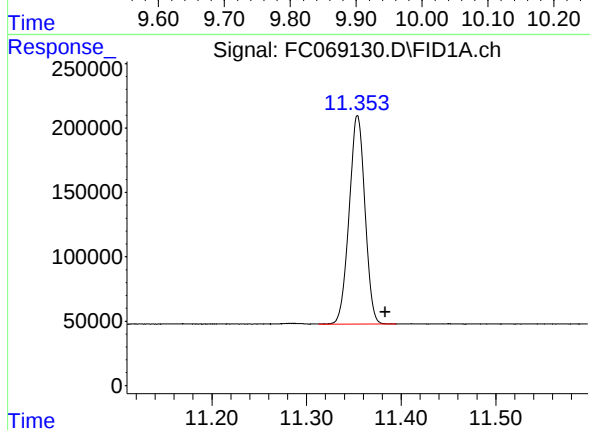
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.035 min
Response: 1988674
Conc: 19.40 ug/ml



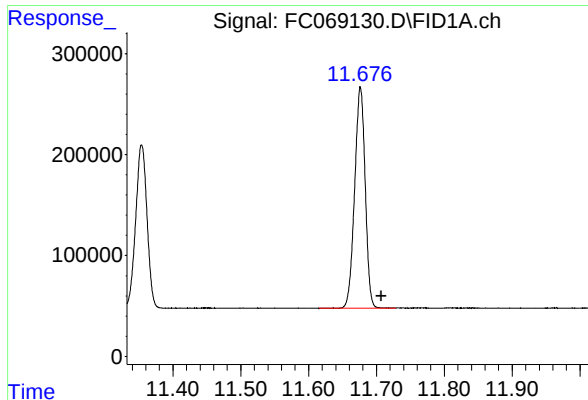
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 1923608
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.030 min
Response: 1884518
Conc: 18.86 ug/ml m



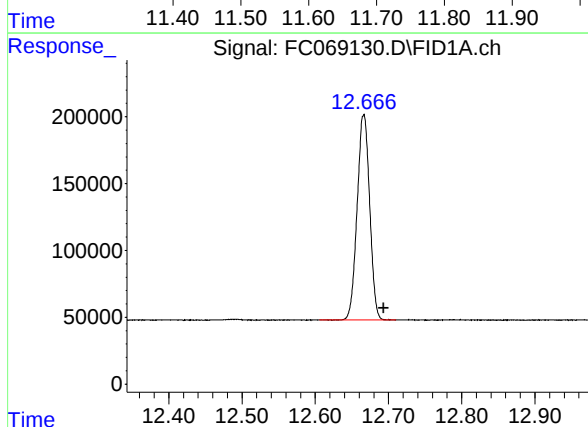
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.031 min
Response: 2366392
Conc: 19.19 ug/ml

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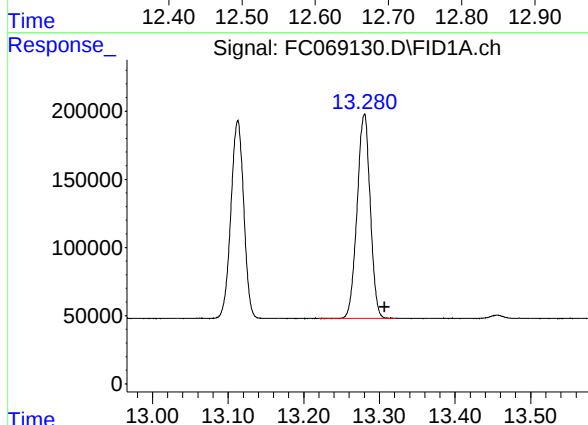
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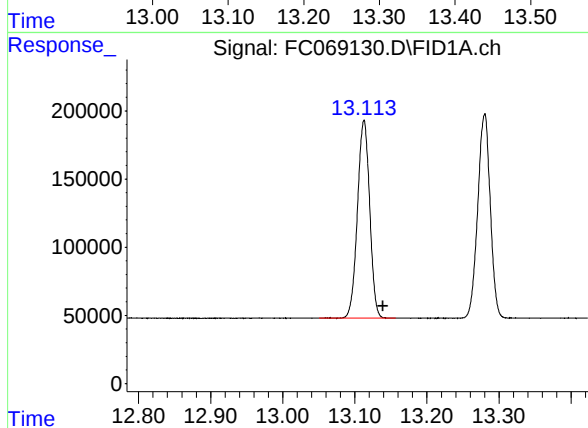
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.027 min
Response: 1826746
Conc: 18.76 ug/ml



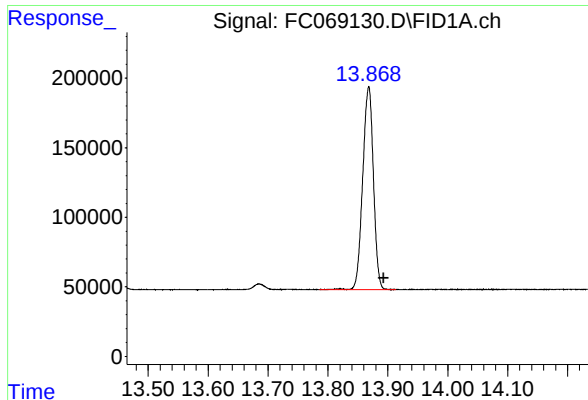
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1808816
Conc: 18.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.027 min
Response: 1712282
Conc: 19.09 ug/ml



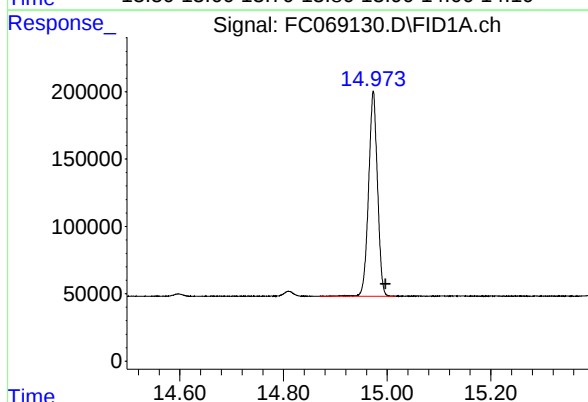
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: -0.026 min
Response: 1808160
Conc: 18.98 ug/ml

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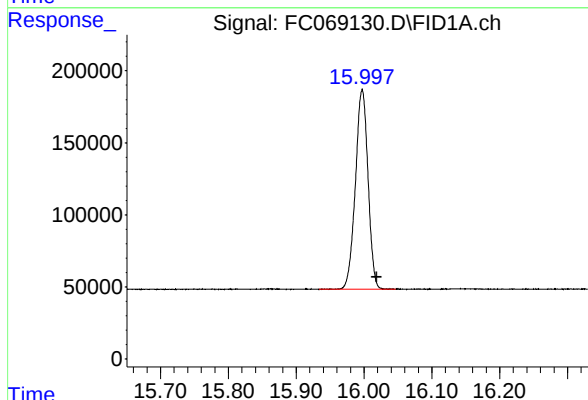
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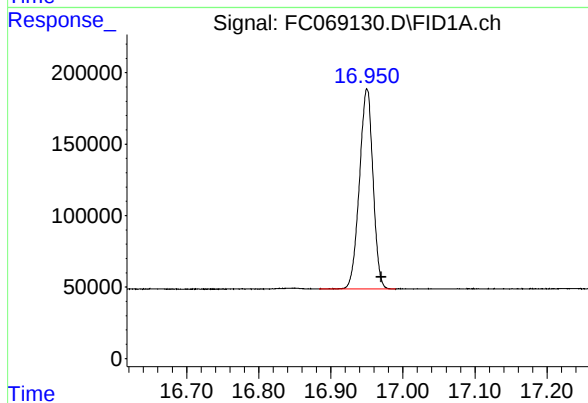
#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: -0.024 min
Response: 1807440
Conc: 19.20 ug/ml



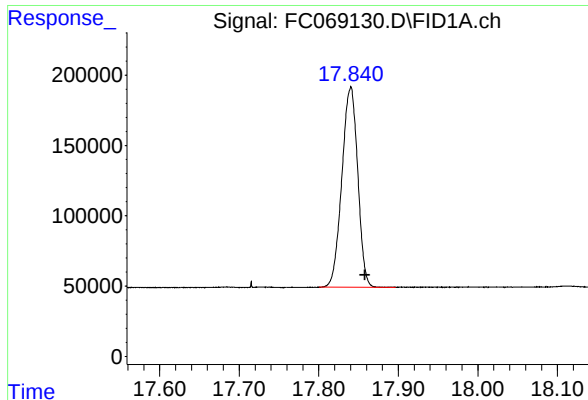
#15 n-Hexacosane (C26)

R.T.: 15.997 min
Delta R.T.: -0.021 min
Response: 1790468
Conc: 19.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.950 min
Delta R.T.: -0.020 min
Response: 1834109
Conc: 19.73 ug/ml



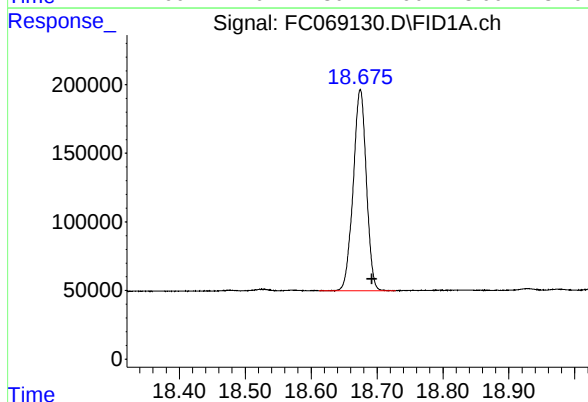
#17 n-Tricontane (C30)

R.T.: 17.840 min
Delta R.T.: -0.018 min
Response: 1972982
Conc: 20.39 ug/ml

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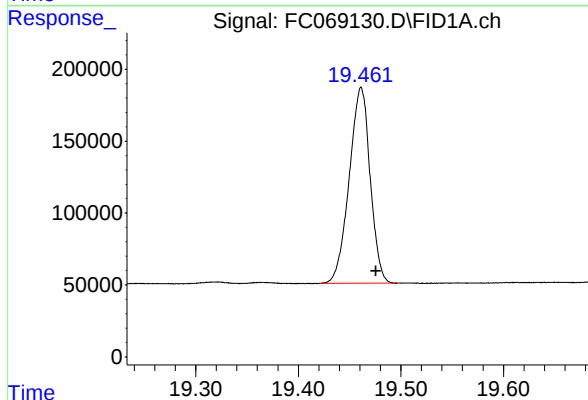
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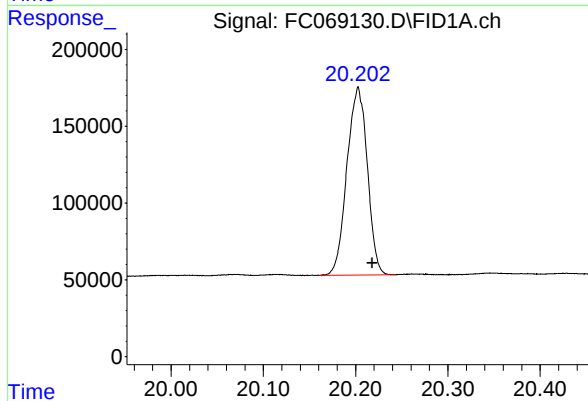
#18 n-Dotriacontane (C32)

R.T.: 18.675 min
Delta R.T.: -0.018 min
Response: 2036112
Conc: 20.55 ug/ml



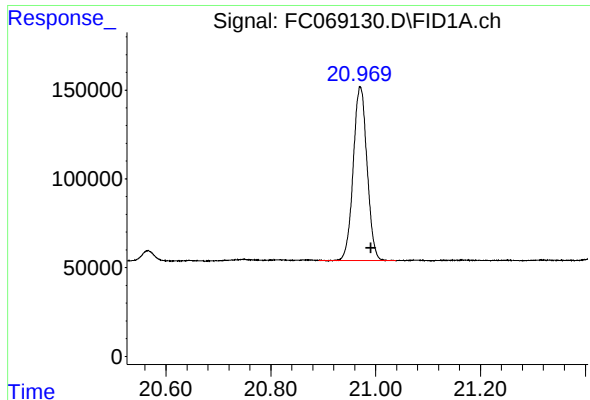
#19 n-Tetatriacontane (C34)

R.T.: 19.461 min
Delta R.T.: -0.015 min
Response: 1932246
Conc: 20.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.203 min
Delta R.T.: -0.015 min
Response: 1875804
Conc: 19.76 ug/ml



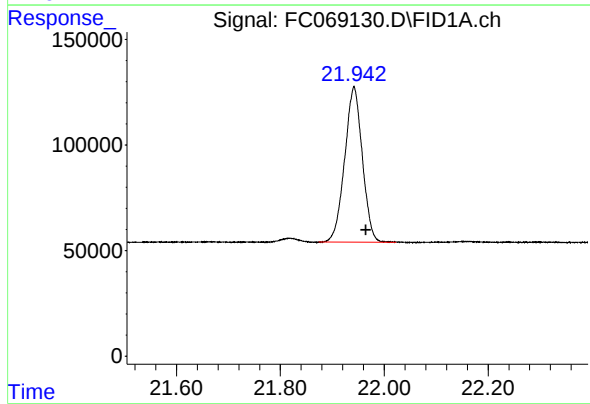
#21 n-Octatriacontane (C38)

R.T.: 20.971 min
Delta R.T.: -0.020 min
Response: 1789568
Conc: 19.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.942 min
Delta R.T.: -0.024 min
Response: 1739909
Conc: 19.72 ug/ml m