

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100125AL\
 Data File : FC069882.D
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2025 14:50
 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 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File: autoint1.e
 Quant Time: Oct 01 02:09:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092325.M
 Quant Title : GC Extractables
 Qlast Update : Tue Sep 23 14:56:40 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)	11.644	3704406	19.778 ug/ml
Spiked Amount 50.000		Recovery =	39.56%
12) S 1-chlorooctadecane (S...	13.079	2917767	18.476 ug/ml
Spiked Amount 50.000		Recovery =	36.95%
Target Compounds			
1) T n-Nonane (C9)	3.385	2687261	20.963 ug/ml
2) T n-Decane (C10)	4.456	2886626	21.724 ug/ml
3) T A~Naphthalene (C11.7)	6.049	3235971	21.799 ug/ml
4) T n-Dodecane (C12)	6.478	3094081	22.180 ug/ml
5) T A~2-methylnaphthalene...	7.107	3234007	21.904 ug/ml
6) T n-Tetradecane (C14)	8.275	3255543	21.950 ug/ml
7) T n-Hexadecane (C16)	9.879	3484107	21.112 ug/ml
8) T n-Octadecane (C18)	11.322	3561155	19.982 ug/ml
10) T n-Eicosane (C20)	12.633	3401002	18.883 ug/ml
11) T n-Heneicosane (C21)	13.246	3318038	18.401 ug/ml
13) T n-Docosane (C22)	13.832	3287588	18.096 ug/ml
14) T n-Tetracosane (C24)	14.936	3247966	17.652 ug/ml
15) T n-Hexacosane (C26)	15.958	3128263	17.230 ug/ml
16) T n-Octacosane (C28)	16.909	3054320	17.302 ug/ml
17) T n-Tricontane (C30)	17.798	3150798	18.001 ug/ml
18) T n-Dotriacontane (C32)	18.630	3023653	18.689 ug/mlm
19) T n-Tetratriacontane (C34)	19.414	2575218	18.427 ug/ml
20) T n-Hexatriacontane (C36)	20.154	2026294	17.948 ug/ml
21) T n-Octatriacontane (C38)	20.913	1726312	17.895 ug/mlm
22) T n-Tetracontane (C40)	21.861	1545313	17.942 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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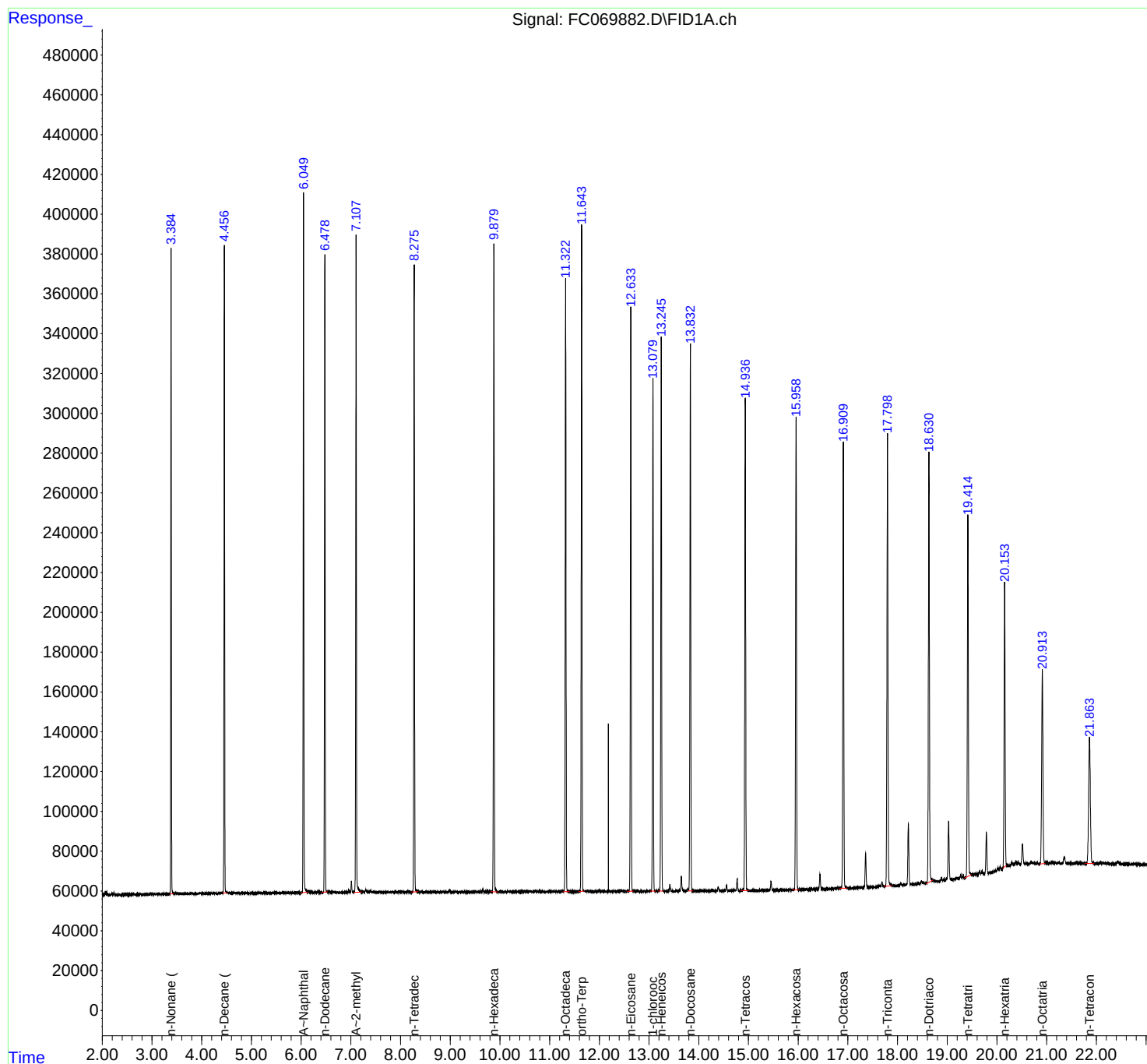
Instrument :
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20 PPM ALIPHATIC HC STD

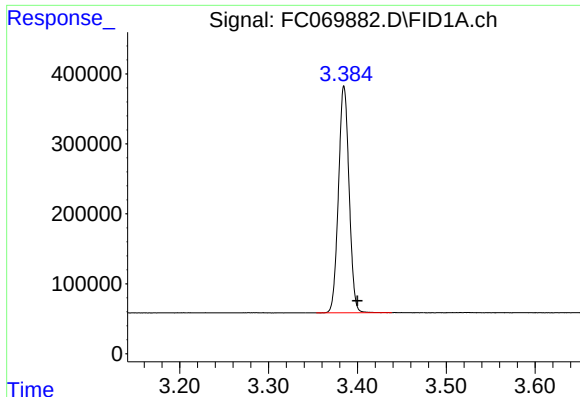
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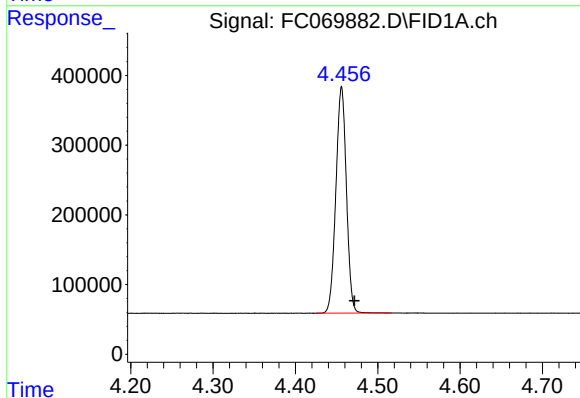
#1 n-Nonane (C9)

R.T.: 3.385 min
Delta R.T.: -0.015 min
Response: 2687261
Conc: 20.96 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

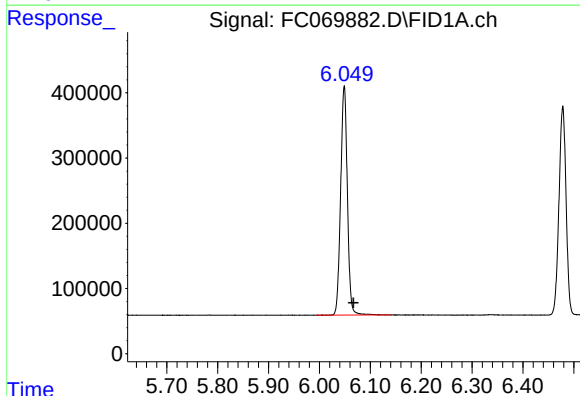
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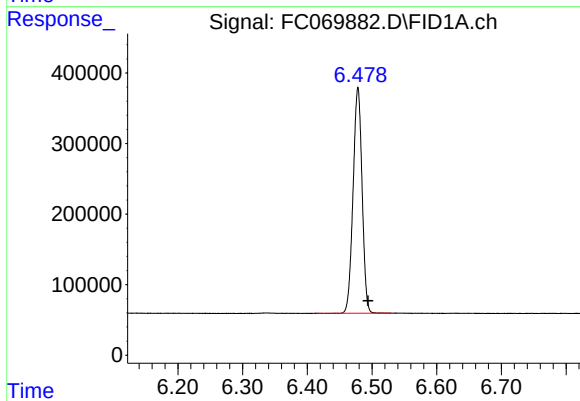
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.016 min
Response: 2886626
Conc: 21.72 ug/ml



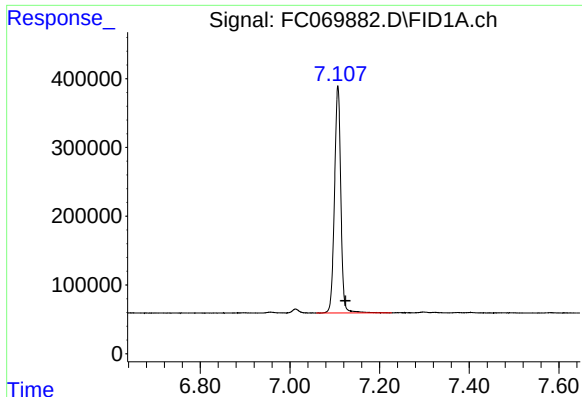
#3 A~Naphthalene (C11.7)

R.T.: 6.049 min
Delta R.T.: -0.018 min
Response: 3235971
Conc: 21.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.478 min
Delta R.T.: -0.016 min
Response: 3094081
Conc: 22.18 ug/ml



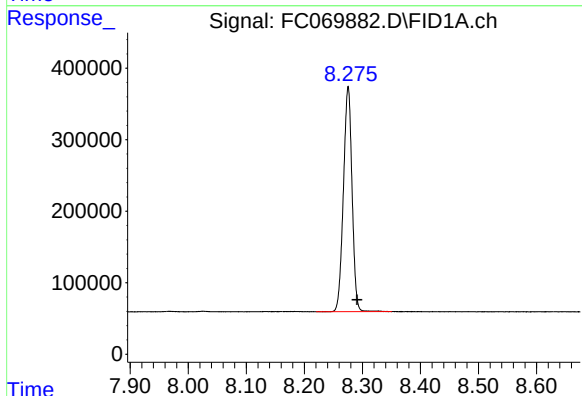
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.107 min
Delta R.T.: -0.017 min
Response: 3234007
Conc: 21.90 ug/ml

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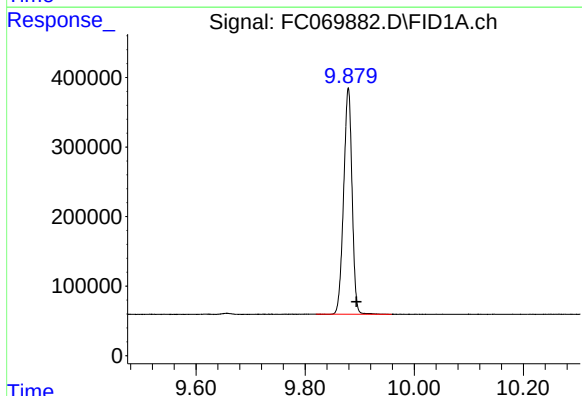
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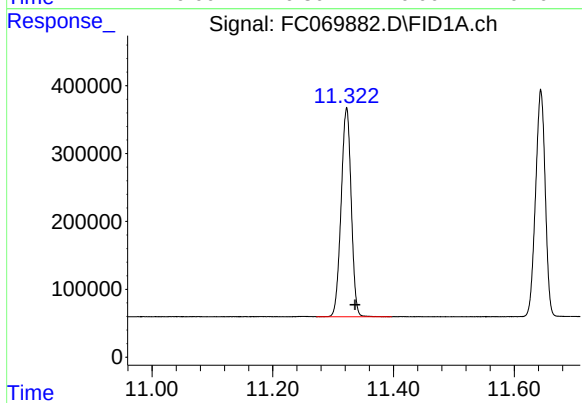
#6 n-Tetradecane (C14)

R.T.: 8.275 min
Delta R.T.: -0.015 min
Response: 3255543
Conc: 21.95 ug/ml



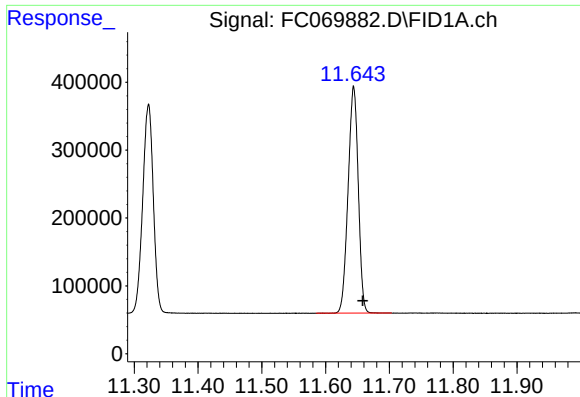
#7 n-Hexadecane (C16)

R.T.: 9.879 min
Delta R.T.: -0.015 min
Response: 3484107
Conc: 21.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.322 min
Delta R.T.: -0.014 min
Response: 3561155
Conc: 19.98 ug/ml



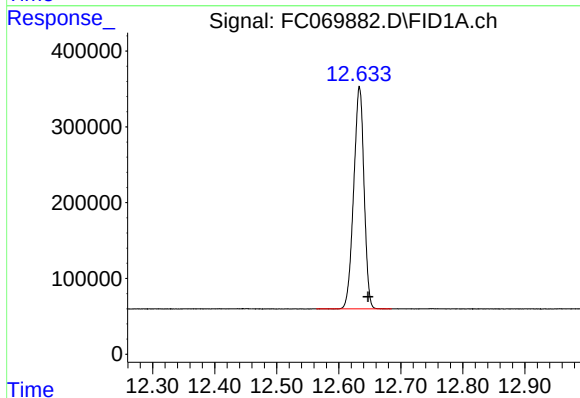
#9 ortho-Terphenyl (SURR)

R.T.: 11.644 min
Delta R.T.: -0.014 min
Response: 3704406
Conc: 19.78 ug/ml

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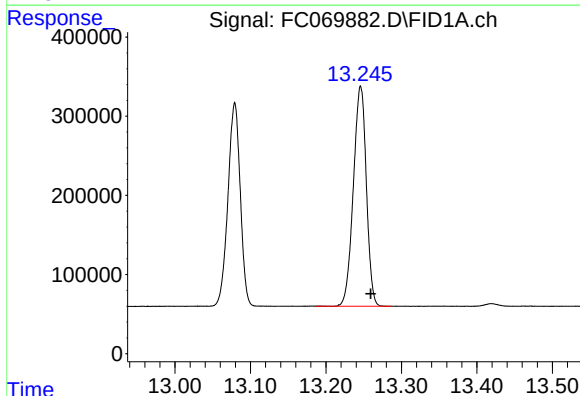
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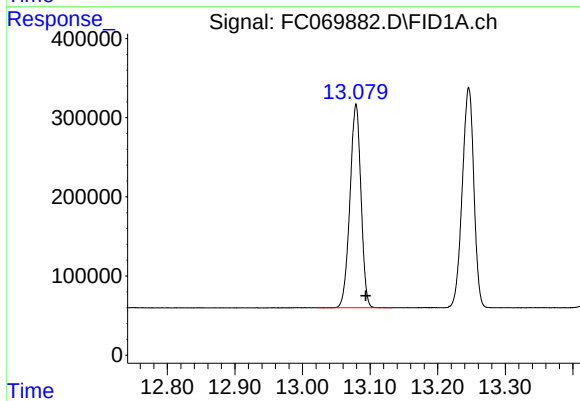
#10 n-Eicosane (C20)

R.T.: 12.633 min
Delta R.T.: -0.014 min
Response: 3401002
Conc: 18.88 ug/ml



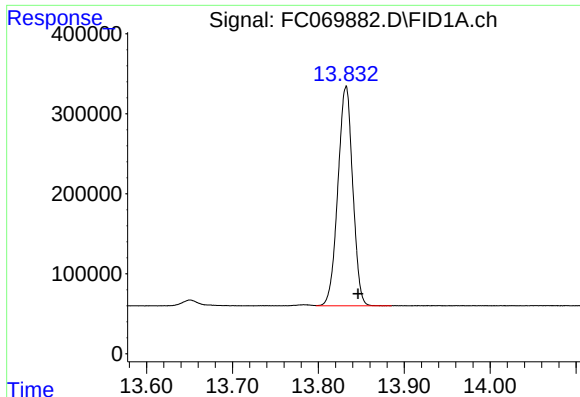
#11 n-Heneicosane (C21)

R.T.: 13.246 min
Delta R.T.: -0.013 min
Response: 3318038
Conc: 18.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.079 min
Delta R.T.: -0.015 min
Response: 2917767
Conc: 18.48 ug/ml



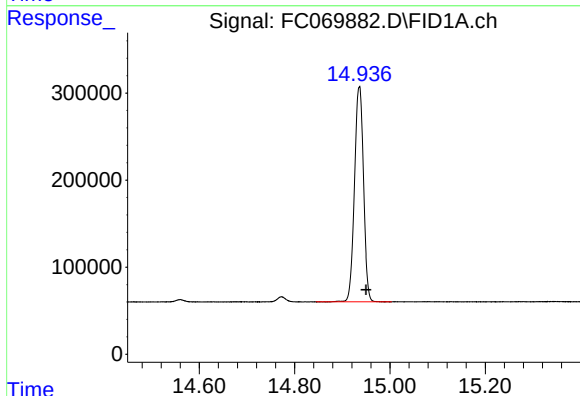
#13 n-Docosane (C22)

R.T.: 13.832 min
Delta R.T.: -0.014 min
Response: 3287588
Conc: 18.10 ug/ml

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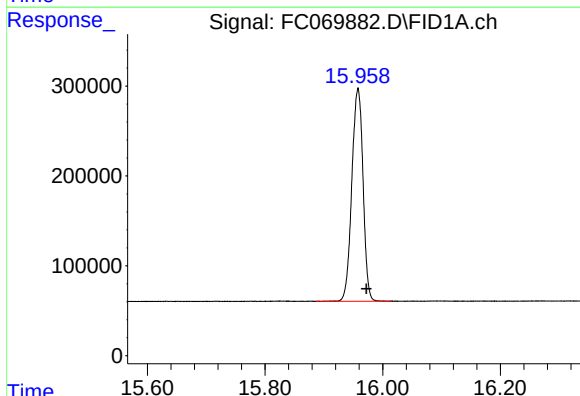
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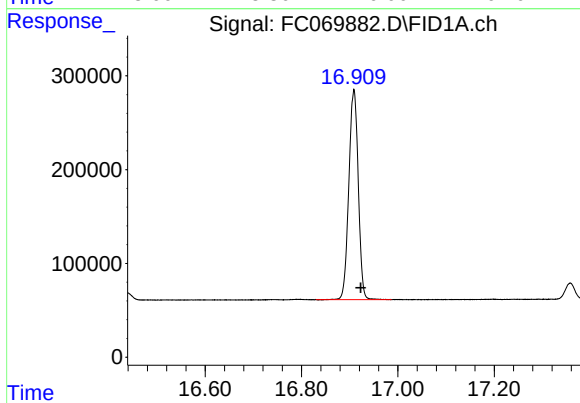
#14 n-Tetracosane (C24)

R.T.: 14.936 min
Delta R.T.: -0.015 min
Response: 3247966
Conc: 17.65 ug/ml



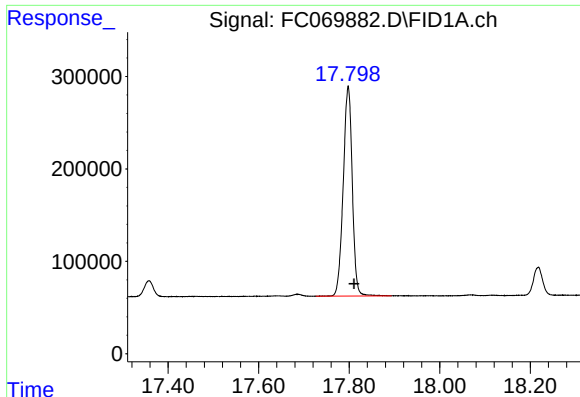
#15 n-Hexacosane (C26)

R.T.: 15.958 min
Delta R.T.: -0.014 min
Response: 3128263
Conc: 17.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.909 min
Delta R.T.: -0.014 min
Response: 3054320
Conc: 17.30 ug/ml



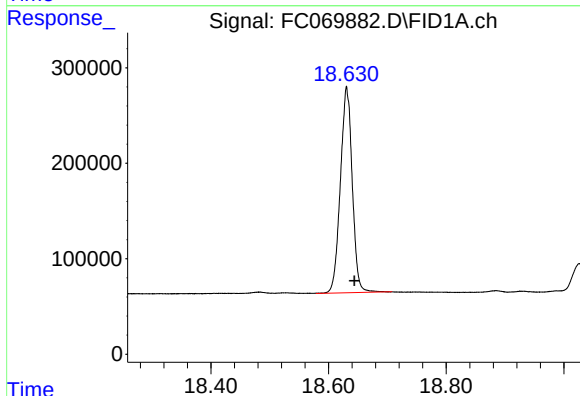
#17 n-Tricontane (C30)

R.T.: 17.798 min
Delta R.T.: -0.013 min
Response: 3150798
Conc: 18.00 ug/ml

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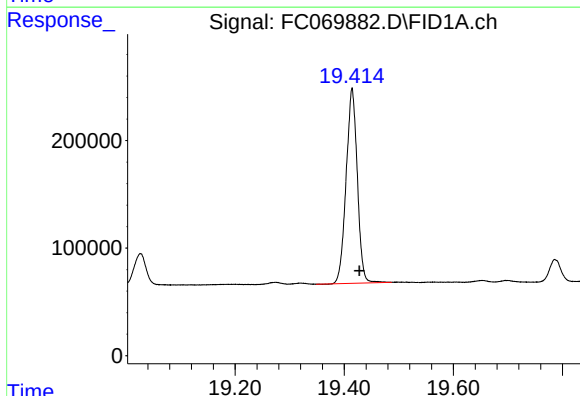
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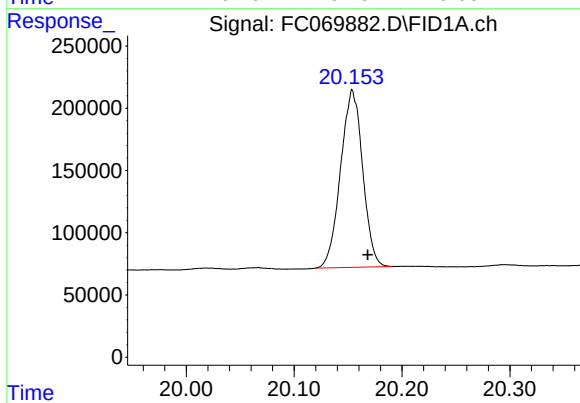
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: -0.014 min
Response: 3023653
Conc: 18.69 ug/ml m



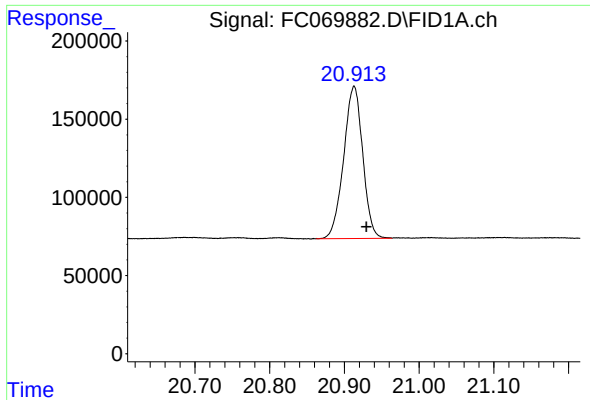
#19 n-Tetratriacontane (C34)

R.T.: 19.414 min
Delta R.T.: -0.014 min
Response: 2575218
Conc: 18.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.154 min
Delta R.T.: -0.014 min
Response: 2026294
Conc: 17.95 ug/ml



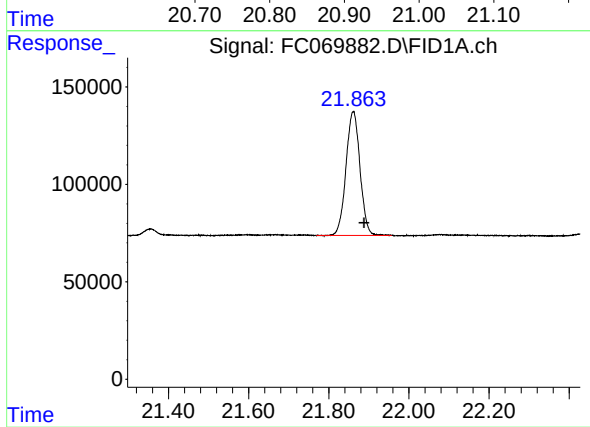
#21 n-Octatriacontane (C38)

R.T.: 20.913 min
Delta R.T.: -0.017 min
Response: 1726312
Conc: 17.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.861 min
Delta R.T.: -0.027 min
Response: 1545313
Conc: 17.94 ug/ml