

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062625AL\
 Data File : FC069296.D
 Signal(s) : FID1A.ch
 Acq On : 26 Jun 2025 19:18
 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 06/27/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: sample.E
 Quant Time: Jun 27 01:18:12 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)	11.678	3055641	17.687 ug/ml
Spiked Amount 50.000		Recovery =	35.37%
12) S 1-chlorooctadecane (S...	13.113	2334123	17.867 ug/ml
Spiked Amount 50.000		Recovery =	35.73%
Target Compounds			
1) T n-Nonane (C9)	3.409	2877450	20.233 ug/ml
2) T n-Decane (C10)	4.481	2999155	20.487 ug/ml
3) T A~Naphthalene (C11.7)	6.076	3265826	20.298 ug/ml
4) T n-Dodecane (C12)	6.506	3120440	20.607 ug/ml
5) T A~2-methylnaphthalene...	7.136	3160441	19.971 ug/ml
6) T n-Tetradecane (C14)	8.306	3107876	20.050 ug/ml
7) T n-Hexadecane (C16)	9.910	3123687	19.115 ug/ml
8) T n-Octadecane (C18)	11.355	3007464	18.420 ug/ml
10) T n-Eicosane (C20)	12.667	2762216	18.096 ug/ml
11) T n-Heneicosane (C21)	13.281	2660704	18.052 ug/ml
13) T n-Docosane (C22)	13.868	2593163	18.023 ug/ml
14) T n-Tetracosane (C24)	14.973	2486837	18.030 ug/ml
15) T n-Hexacosane (C26)	15.995	2362060	18.069 ug/ml
16) T n-Octacosane (C28)	16.946	2239011	18.155 ug/ml
17) T n-Tricontane (C30)	17.834	2194568	18.460 ug/ml
18) T n-Dotriacontane (C32)	18.668	2115819	19.351 ug/mlm
19) T n-Tetratriacontane (C34)	19.455	1943735	20.128 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1672797	20.298 ug/ml
21) T n-Octatriacontane (C38)	20.961	1751913	23.443 ug/mlm
22) T n-Tetracontane (C40)	21.924	1622036	22.905 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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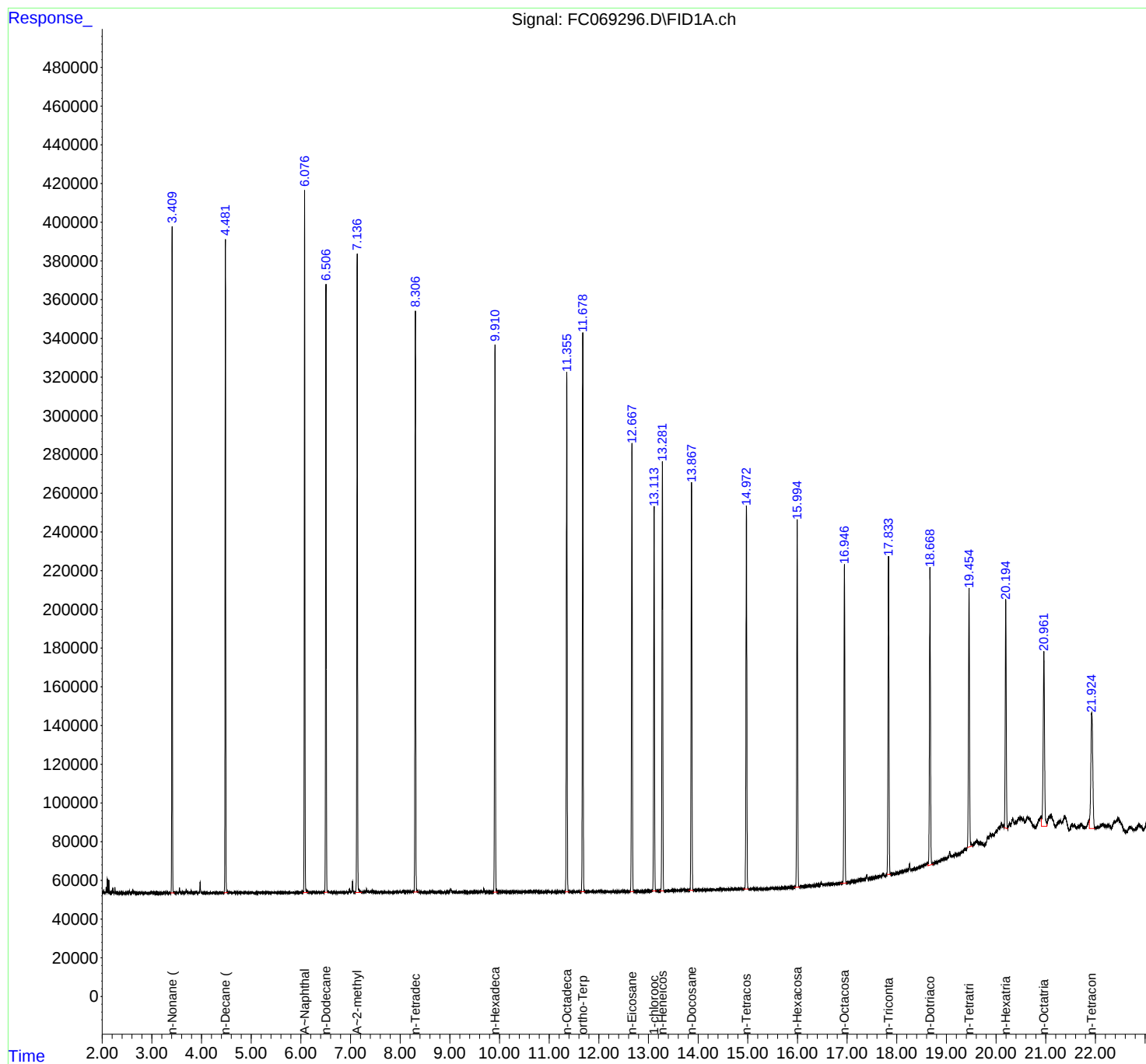
Instrument :
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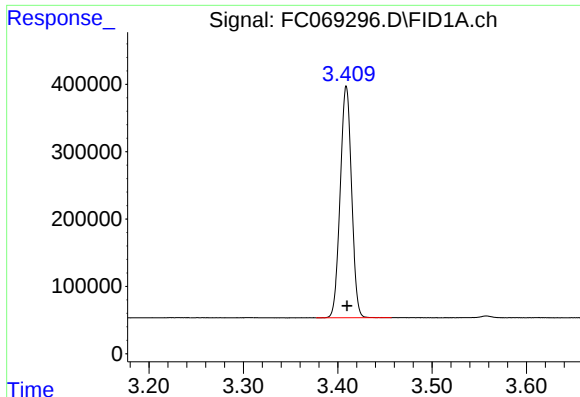
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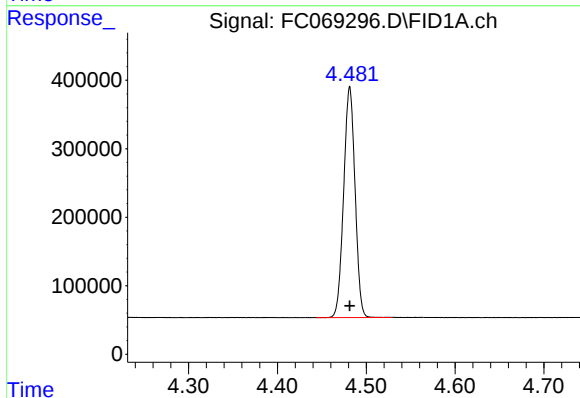
#1 n-Nonane (C9)

R.T.: 3.409 min
Delta R.T.: 0.000 min
Response: 2877450
Conc: 20.23 ug/ml

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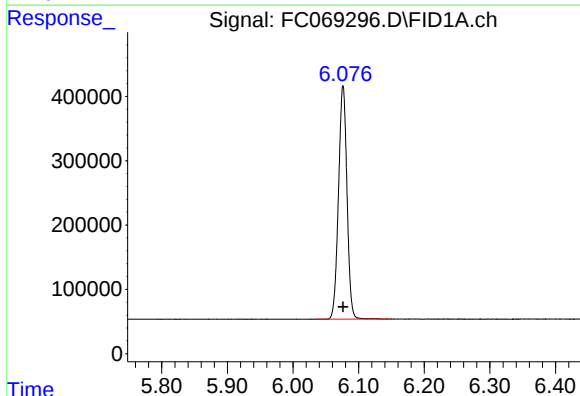
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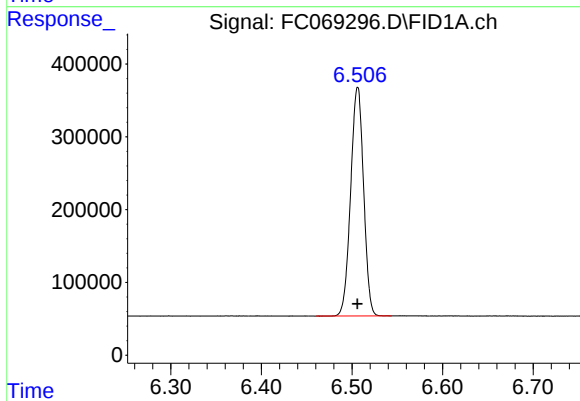
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 2999155
Conc: 20.49 ug/ml



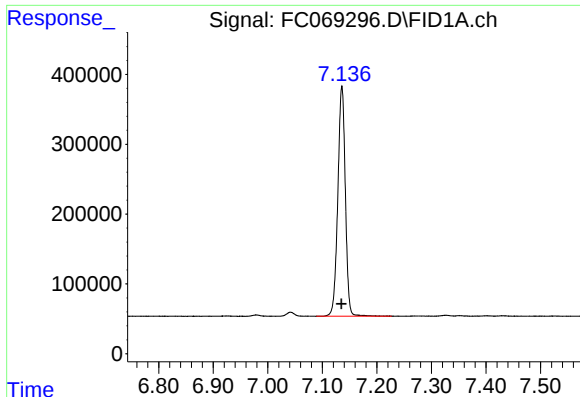
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 3265826
Conc: 20.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 3120440
Conc: 20.61 ug/ml



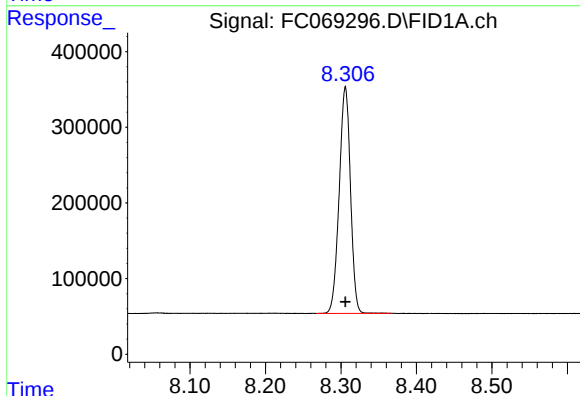
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 3160441
Conc: 19.97 ug/ml

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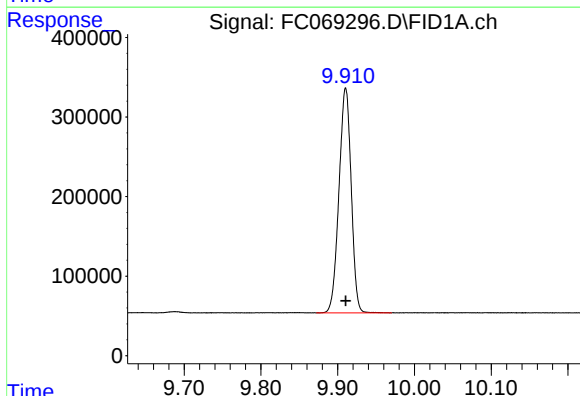
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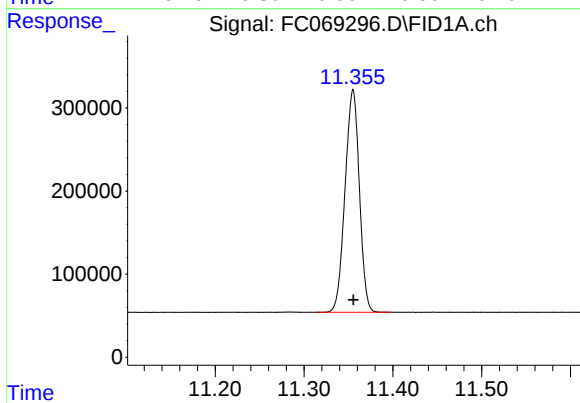
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 3107876
Conc: 20.05 ug/ml



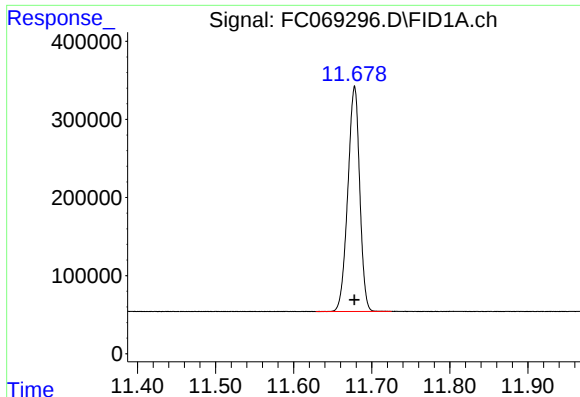
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: 0.000 min
Response: 3123687
Conc: 19.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: 0.000 min
Response: 3007464
Conc: 18.42 ug/ml



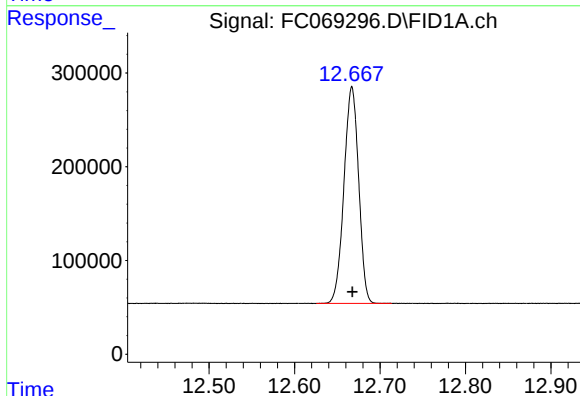
#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 3055641
Conc: 17.69 ug/ml

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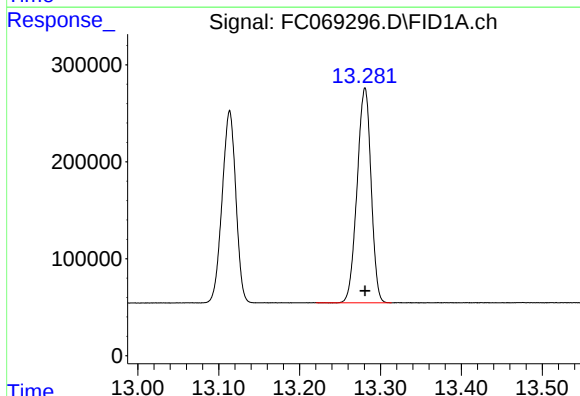
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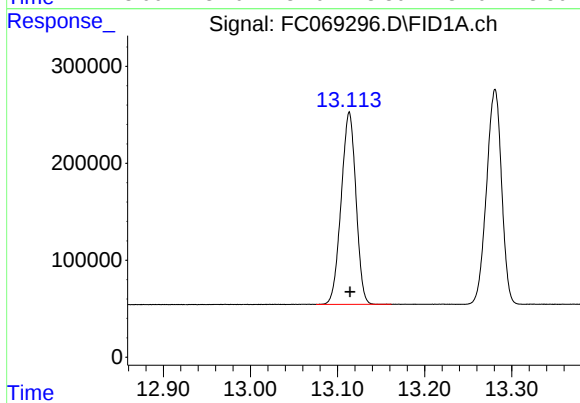
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: 0.000 min
Response: 2762216
Conc: 18.10 ug/ml



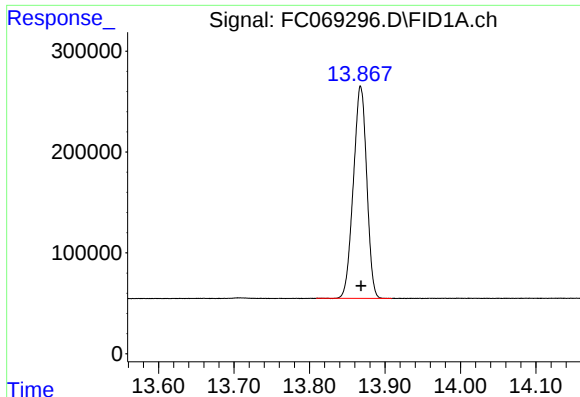
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 2660704
Conc: 18.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 2334123
Conc: 17.87 ug/ml



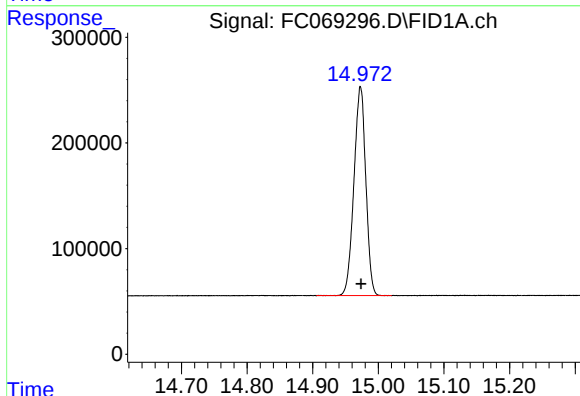
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 2593163
Conc: 18.02 ug/ml

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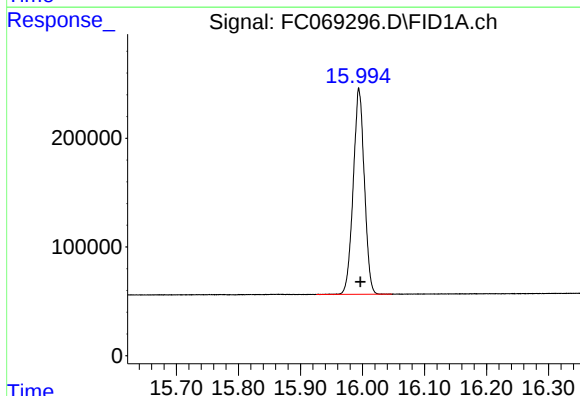
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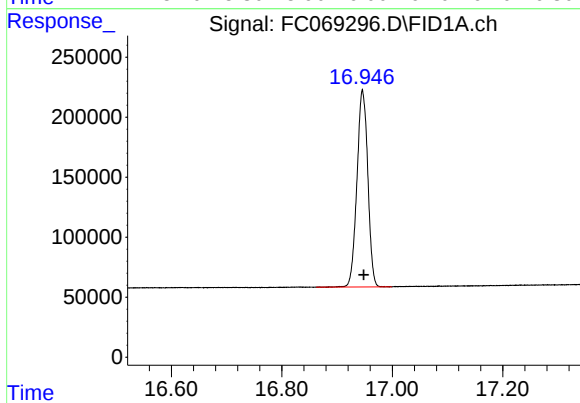
#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: 0.000 min
Response: 2486837
Conc: 18.03 ug/ml



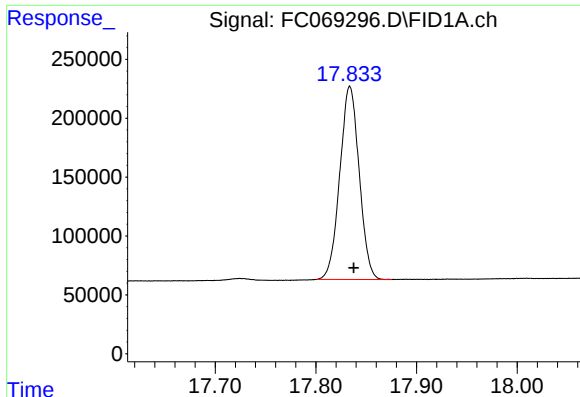
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.002 min
Response: 2362060
Conc: 18.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.946 min
Delta R.T.: -0.002 min
Response: 2239011
Conc: 18.15 ug/ml



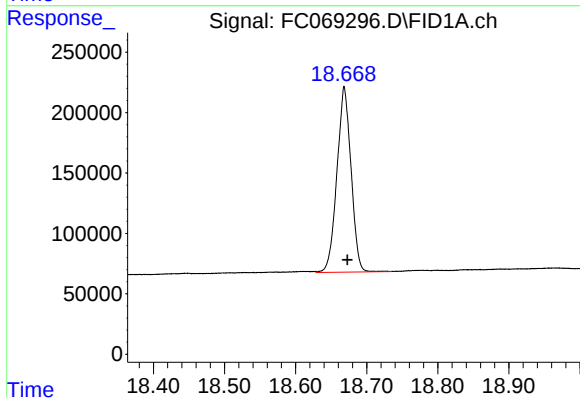
#17 n-Tricontane (C30)

R.T.: 17.834 min
Delta R.T.: -0.004 min
Response: 2194568
Conc: 18.46 ug/ml

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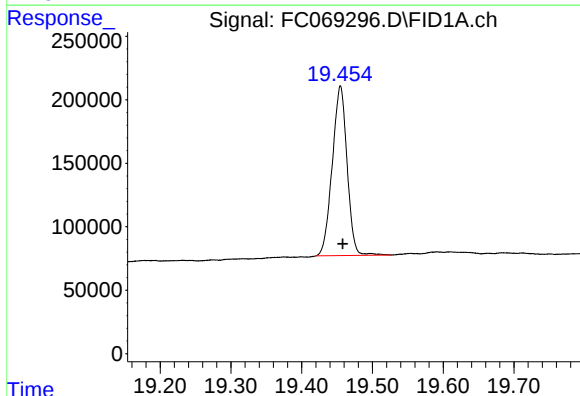
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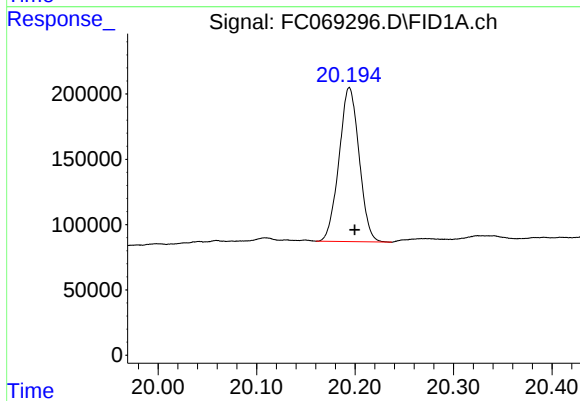
#18 n-Dotriacontane (C32)

R.T.: 18.668 min
Delta R.T.: -0.005 min
Response: 2115819
Conc: 19.35 ug/ml m



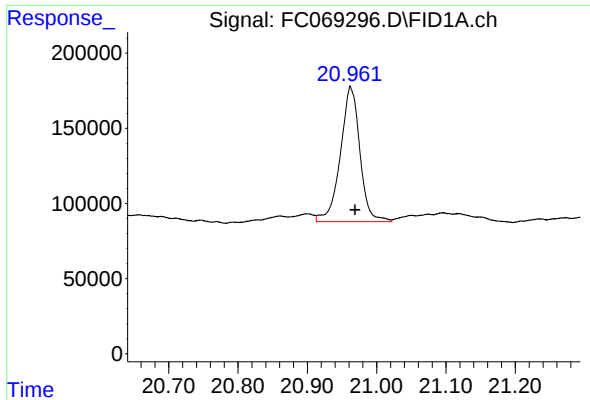
#19 n-Tetratriacontane (C34)

R.T.: 19.455 min
Delta R.T.: -0.004 min
Response: 1943735
Conc: 20.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.194 min
Delta R.T.: -0.005 min
Response: 1672797
Conc: 20.30 ug/ml



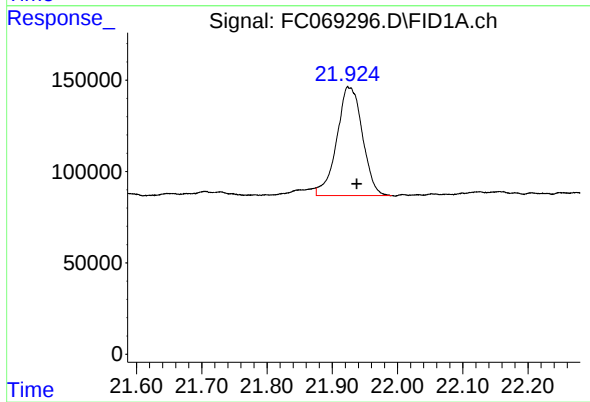
#21 n-Octatriacontane (C38)

R.T.: 20.961 min
Delta R.T.: -0.007 min
Response: 1751913
Conc: 23.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.924 min
Delta R.T.: -0.014 min
Response: 1622036
Conc: 22.90 ug/ml m