

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
 Data File : FC069274.D
 Signal(s) : FID1A.ch
 Acq On : 24 Jun 2025 20:04
 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 06/25/2025
 Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
 Quant Time: Jun 25 00:41:34 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	3491219	20.209 ug/ml
Spiked Amount 50.000		Recovery =	40.42%
12) S 1-chlorooctadecane (S...	13.113	2637238	20.187 ug/ml
Spiked Amount 50.000		Recovery =	40.37%
Target Compounds			
1) T n-Nonane (C9)	3.408	2849476	20.036 ug/ml
2) T n-Decane (C10)	4.480	2960536	20.223 ug/ml
3) T A~Naphthalene (C11.7)	6.075	3253096	20.219 ug/ml
4) T n-Dodecane (C12)	6.506	3072429	20.290 ug/ml
5) T A~2-methylnaphthalene...	7.135	3277064	20.708 ug/ml
6) T n-Tetradecane (C14)	8.306	3125159	20.162 ug/ml
7) T n-Hexadecane (C16)	9.910	3154008	19.300 ug/ml
8) T n-Octadecane (C18)	11.355	3068753	18.796 ug/ml
10) T n-Eicosane (C20)	12.667	2900222	19.000 ug/ml
11) T n-Heneicosane (C21)	13.280	2814884	19.098 ug/ml
13) T n-Docosane (C22)	13.867	2750681	19.118 ug/ml
14) T n-Tetracosane (C24)	14.972	2649858	19.211 ug/ml
15) T n-Hexacosane (C26)	15.995	2545593	19.473 ug/ml
16) T n-Octacosane (C28)	16.947	2504636	20.309 ug/ml
17) T n-Tricontane (C30)	17.836	2586303	21.755 ug/ml
18) T n-Dotriacontane (C32)	18.669	2549921	23.322 ug/ml
19) T n-Tetratriacontane (C34)	19.454	2239001	23.186 ug/ml
20) T n-Hexatriacontane (C36)	20.195	1807017	21.926 ug/ml
21) T n-Octatriacontane (C38)	20.963	1342474	17.964 ug/mlm
22) T n-Tetracontane (C40)	21.930	1093461	15.441 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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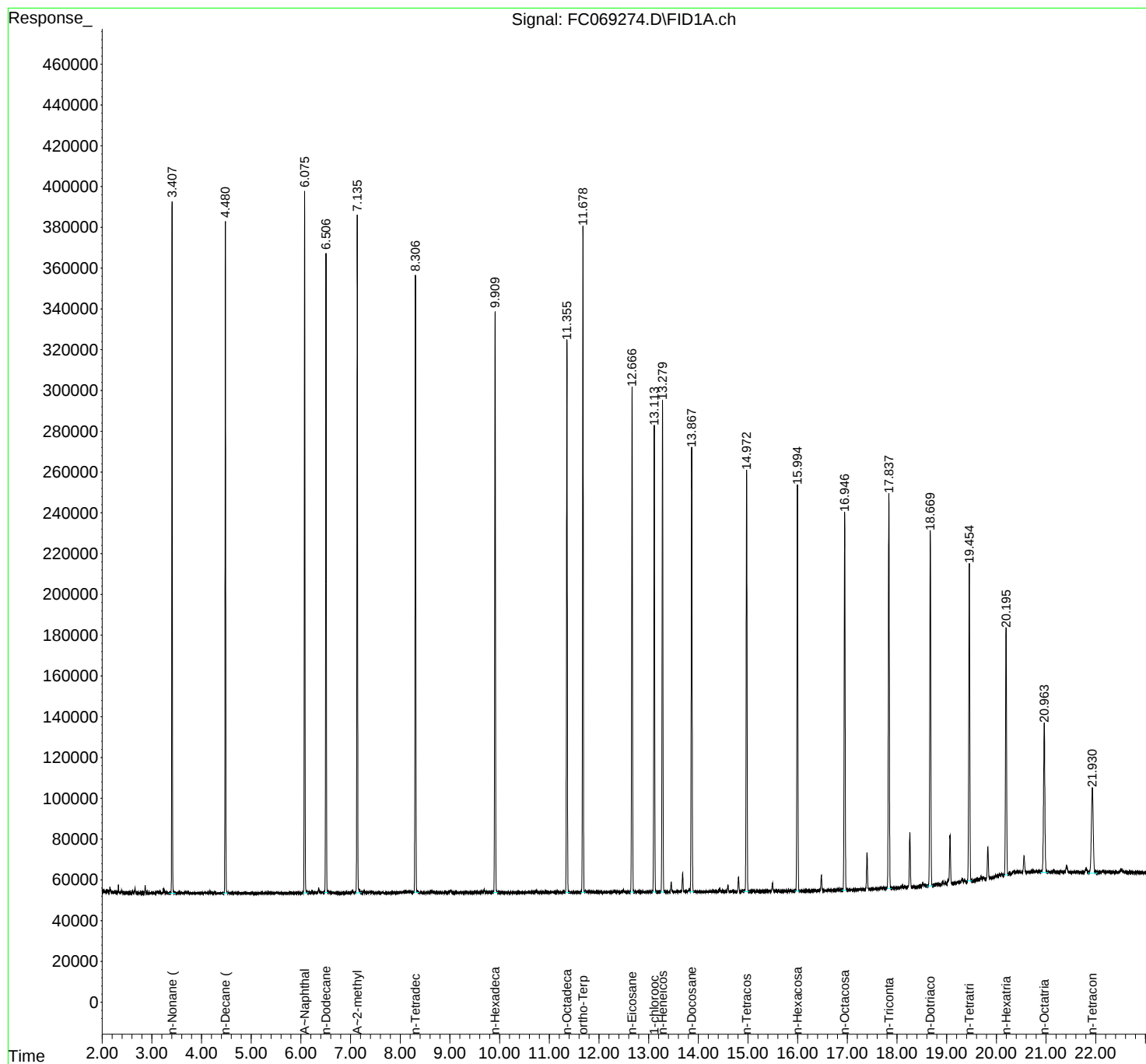
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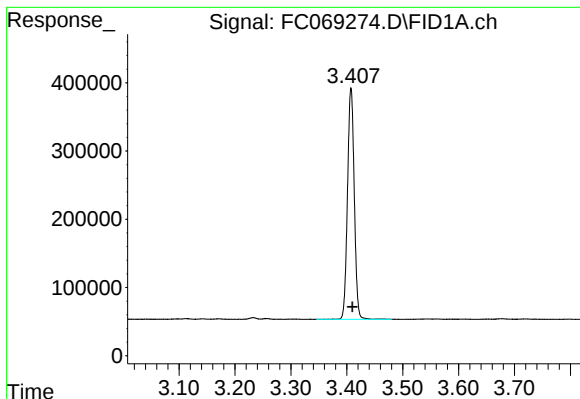
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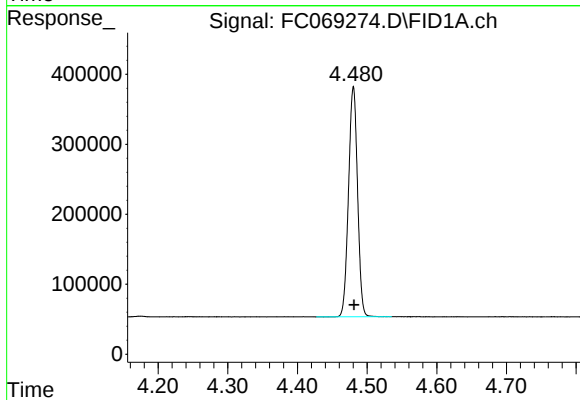
#1 n-Nonane (C9)

R.T.: 3.408 min
Delta R.T.: -0.002 min
Response: 2849476
Conc: 20.04 ug/ml

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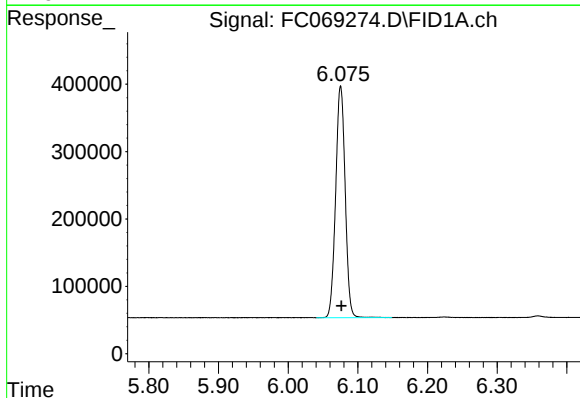
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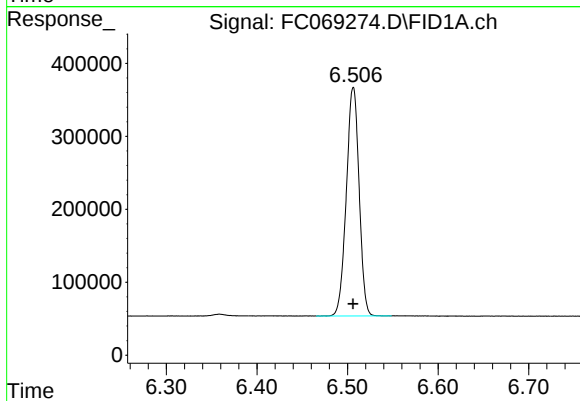
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.001 min
Response: 2960536
Conc: 20.22 ug/ml



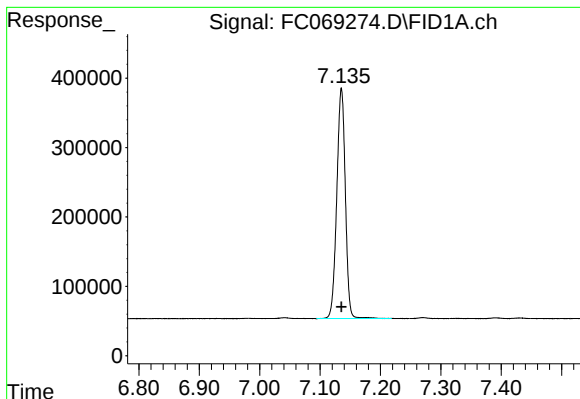
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 3253096
Conc: 20.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 3072429
Conc: 20.29 ug/ml



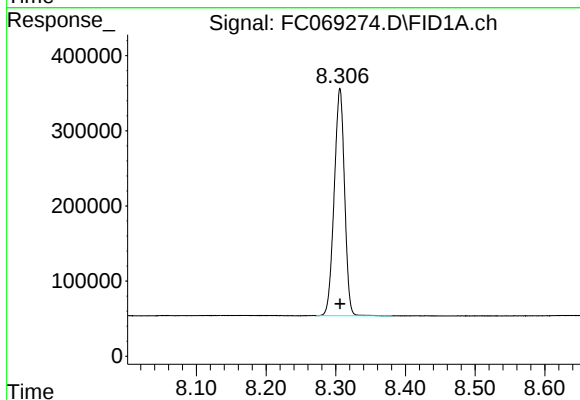
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 3277064
Conc: 20.71 ug/ml

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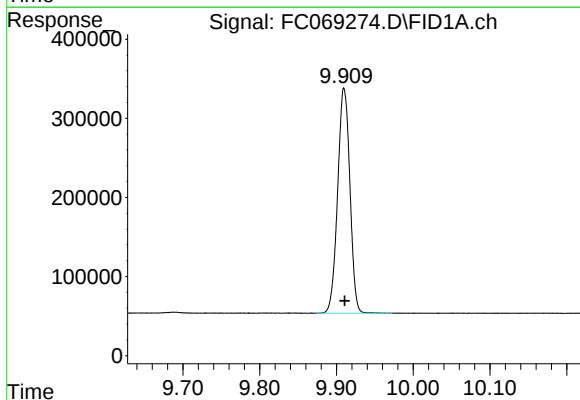
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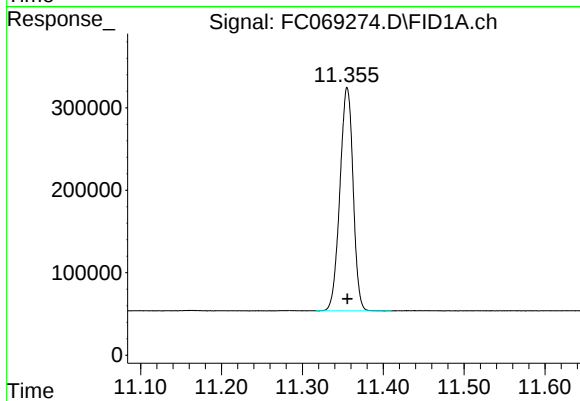
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 3125159
Conc: 20.16 ug/ml



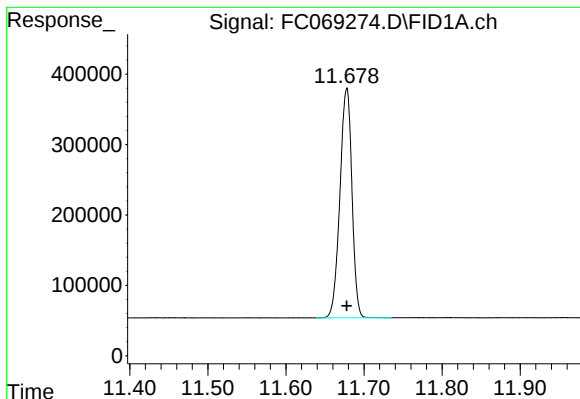
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: 0.000 min
Response: 3154008
Conc: 19.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: 0.000 min
Response: 3068753
Conc: 18.80 ug/ml



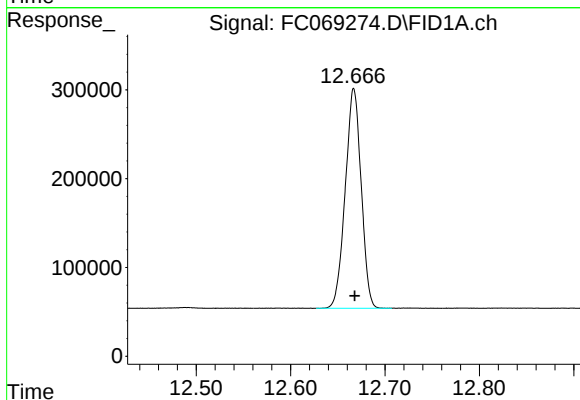
#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 3491219
Conc: 20.21 ug/ml

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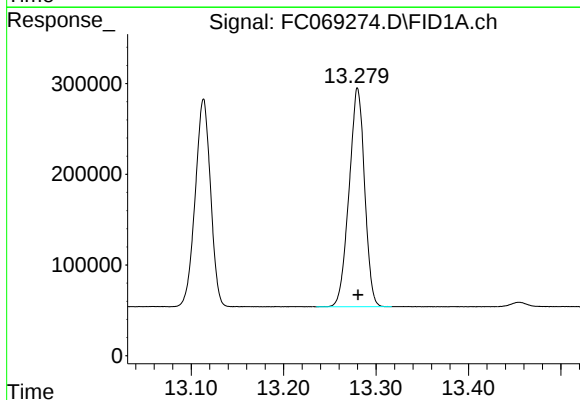
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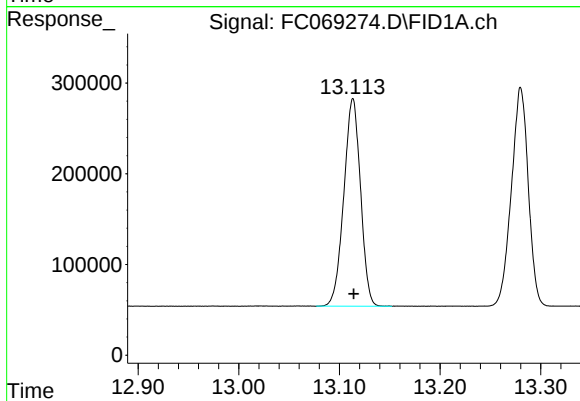
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: 0.000 min
Response: 2900222
Conc: 19.00 ug/ml



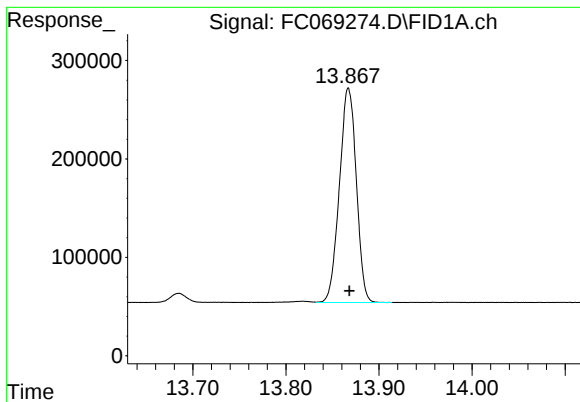
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: 0.000 min
Response: 2814884
Conc: 19.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 2637238
Conc: 20.19 ug/ml



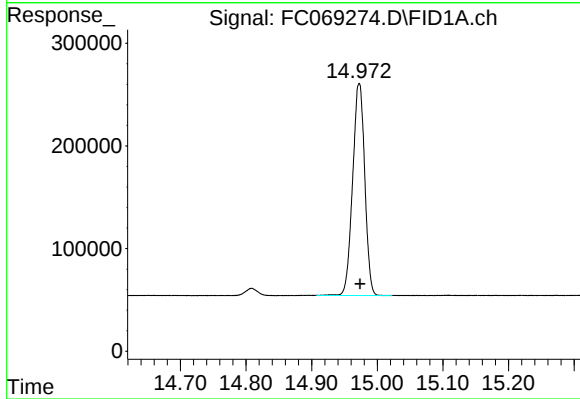
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: 0.000 min
Response: 2750681
Conc: 19.12 ug/ml

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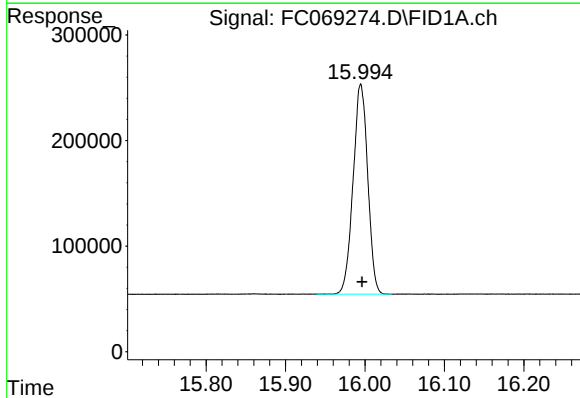
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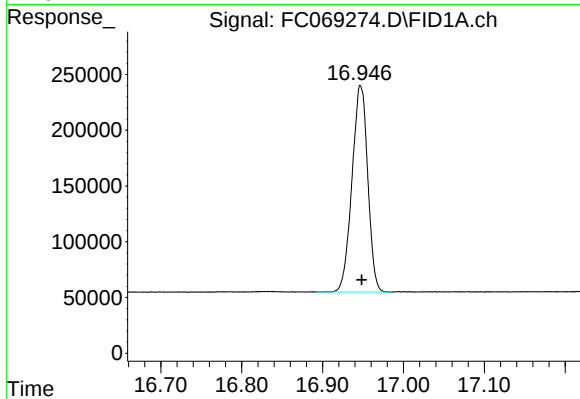
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.001 min
Response: 2649858
Conc: 19.21 ug/ml



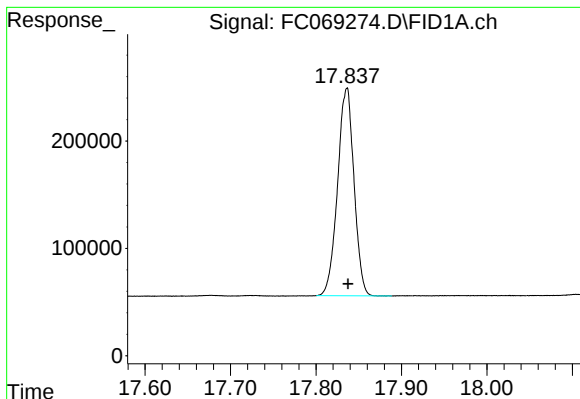
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.002 min
Response: 2545593
Conc: 19.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.001 min
Response: 2504636
Conc: 20.31 ug/ml



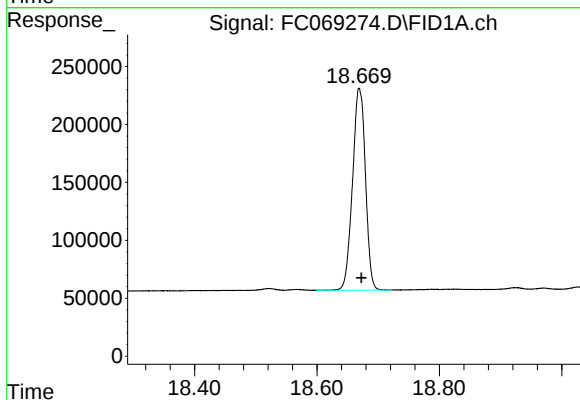
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.002 min
Response: 2586303
Conc: 21.75 ug/ml

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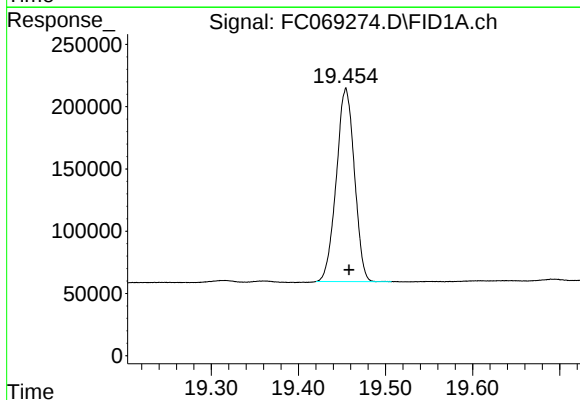
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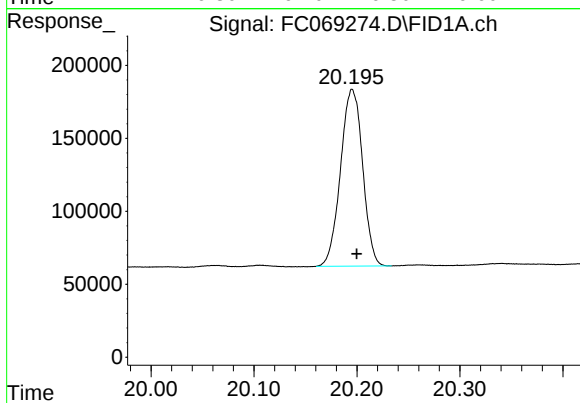
#18 n-Dotriacontane (C32)

R.T.: 18.669 min
Delta R.T.: -0.004 min
Response: 2549921
Conc: 23.32 ug/ml



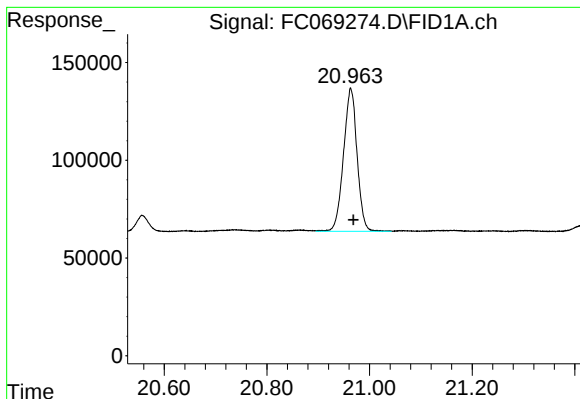
#19 n-Tetratriacontane (C34)

R.T.: 19.454 min
Delta R.T.: -0.004 min
Response: 2239001
Conc: 23.19 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.195 min
Delta R.T.: -0.004 min
Response: 1807017
Conc: 21.93 ug/ml



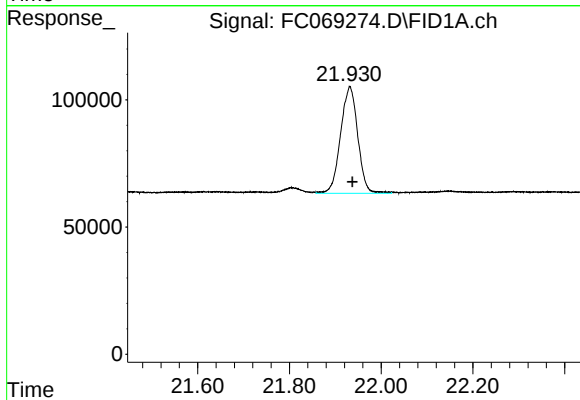
#21 n-Octatriacontane (C38)

R.T.: 20.963 min
Delta R.T.: -0.006 min
Response: 1342474
Conc: 17.96 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.930 min
Delta R.T.: -0.007 min
Response: 1093461
Conc: 15.44 ug/ml m