

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC093025AL\
 Data File : FC069861.D
 Signal(s) : FID1A.ch
 Acq On : 29 Sep 2025 09:35
 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 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File: autoint1.e
 Quant Time: Sep 30 05:56:25 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)	11.641	3799755	20.287 ug/ml
Spiked Amount 50.000		Recovery =	40.57%
12) S 1-chlorooctadecane (S...	13.077	3007973	19.048 ug/ml
Spiked Amount 50.000		Recovery =	38.10%
Target Compounds			
1) T n-Nonane (C9)	3.382	2705391	21.104 ug/ml
2) T n-Decane (C10)	4.453	2892831	21.770 ug/ml
3) T A~Naphthalene (C11.7)	6.045	3218109	21.678 ug/ml
4) T n-Dodecane (C12)	6.475	3074656	22.041 ug/ml
5) T A~2-methylnaphthalene...	7.103	3197830	21.659 ug/ml
6) T n-Tetradecane (C14)	8.273	3248063	21.899 ug/ml
7) T n-Hexadecane (C16)	9.877	3502079	21.221 ug/ml
8) T n-Octadecane (C18)	11.319	3628831	20.361 ug/ml
10) T n-Eicosane (C20)	12.631	3506501	19.468 ug/ml
11) T n-Heneicosane (C21)	13.243	3437855	19.066 ug/ml
13) T n-Docosane (C22)	13.831	3412327	18.783 ug/ml
14) T n-Tetracosane (C24)	14.934	3348626	18.199 ug/ml
15) T n-Hexacosane (C26)	15.955	3213402	17.699 ug/ml
16) T n-Octacosane (C28)	16.907	3108222	17.607 ug/ml
17) T n-Tricontane (C30)	17.796	3149226	17.992 ug/ml
18) T n-Dotriacontane (C32)	18.629	2979049	18.414 ug/mlm
19) T n-Tetratriacontane (C34)	19.412	2635152	18.856 ug/ml
20) T n-Hexatriacontane (C36)	20.151	2134149	18.903 ug/ml
21) T n-Octatriacontane (C38)	20.909	1843386	19.109 ug/mlm
22) T n-Tetracontane (C40)	21.860	1647511	19.129 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 2 Sample Multiplier: 1

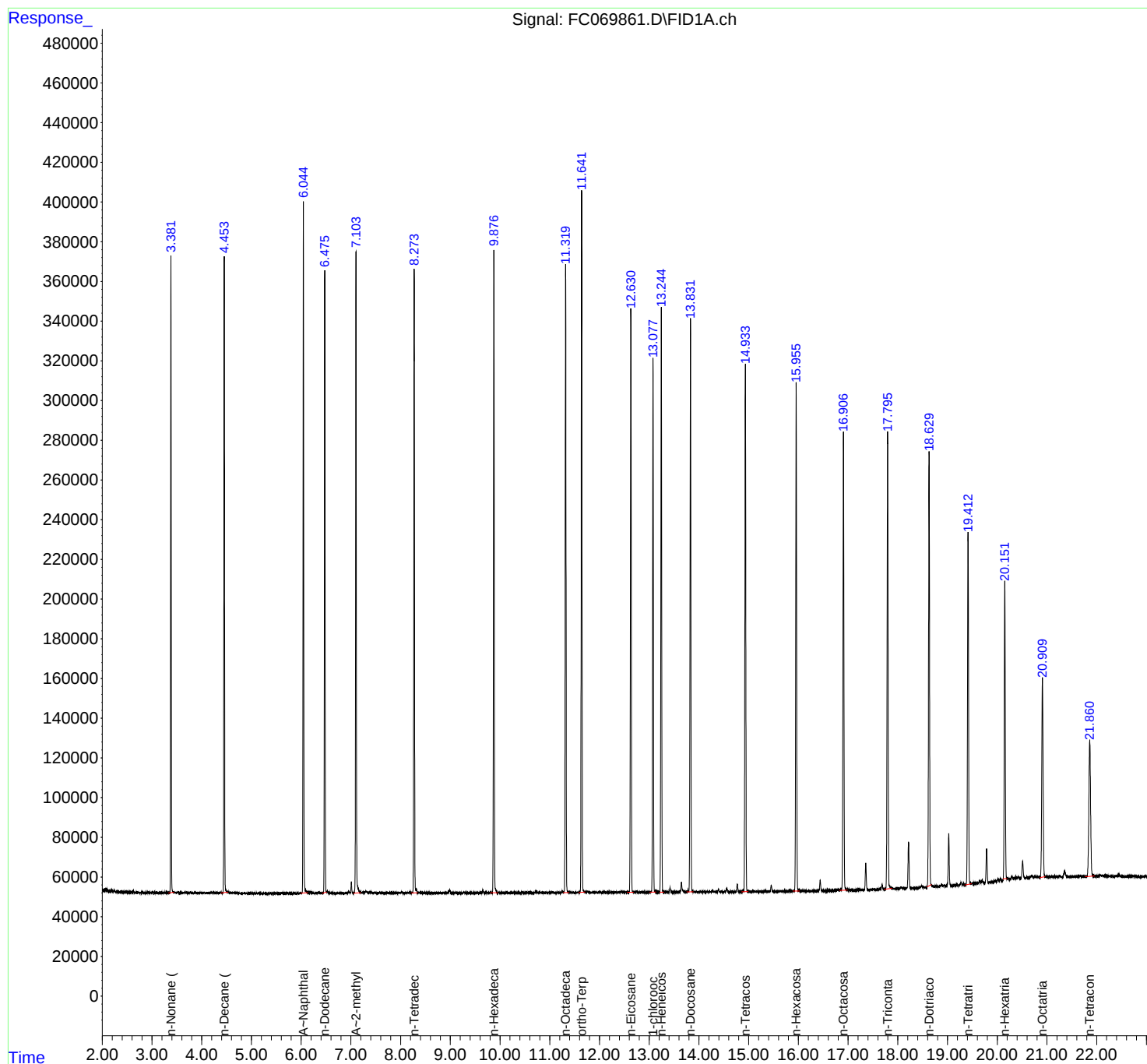
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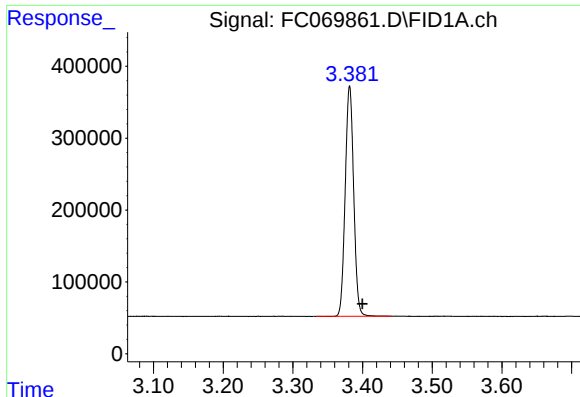
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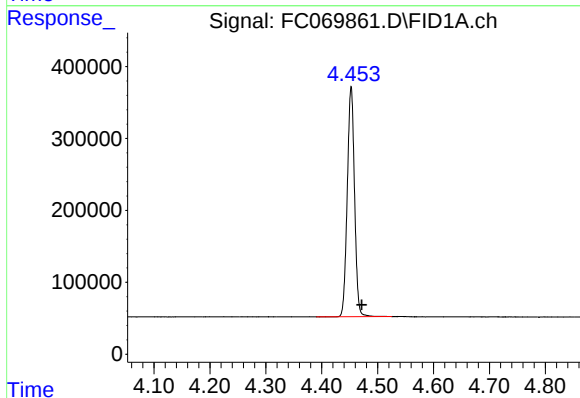
#1 n-Nonane (C9)

R.T.: 3.382 min
Delta R.T.: -0.018 min
Response: 2705391
Conc: 21.10 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

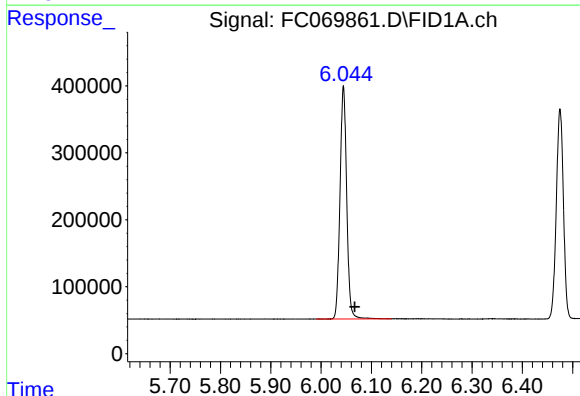
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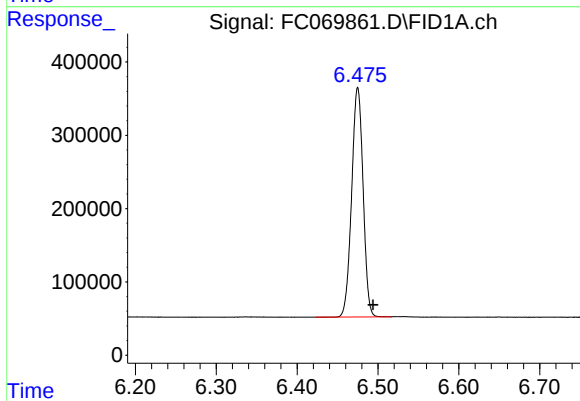
#2 n-Decane (C10)

R.T.: 4.453 min
Delta R.T.: -0.019 min
Response: 2892831
Conc: 21.77 ug/ml



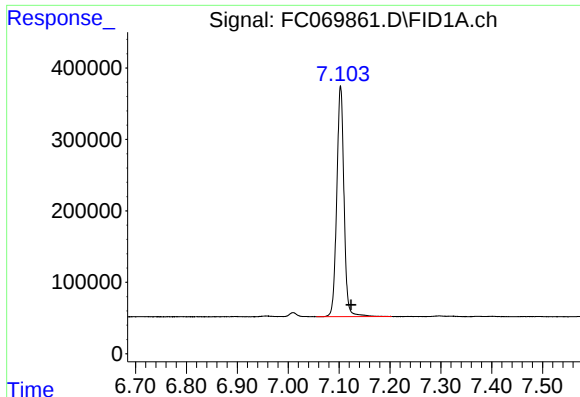
#3 A~Naphthalene (C11.7)

R.T.: 6.045 min
Delta R.T.: -0.022 min
Response: 3218109
Conc: 21.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.475 min
Delta R.T.: -0.019 min
Response: 3074656
Conc: 22.04 ug/ml



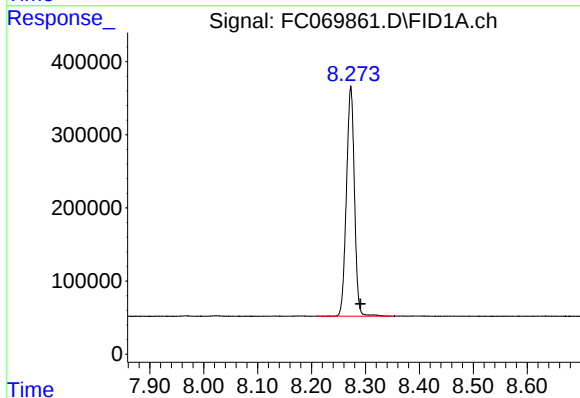
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.103 min
Delta R.T.: -0.021 min
Response: 3197830
Conc: 21.66 ug/ml

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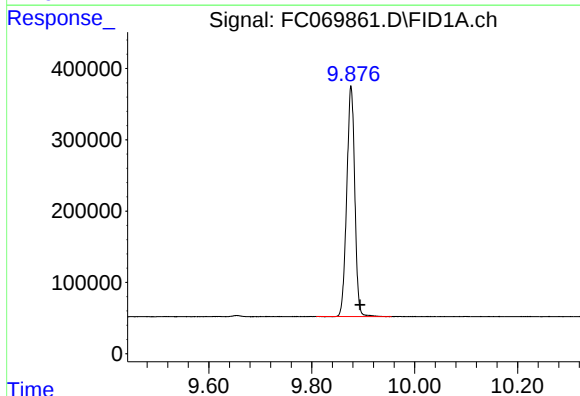
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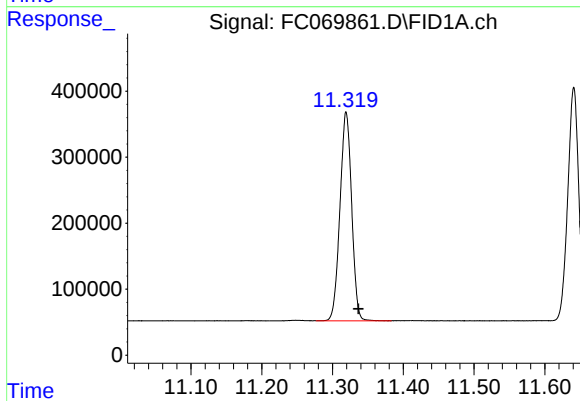
#6 n-Tetradecane (C14)

R.T.: 8.273 min
Delta R.T.: -0.018 min
Response: 3248063
Conc: 21.90 ug/ml



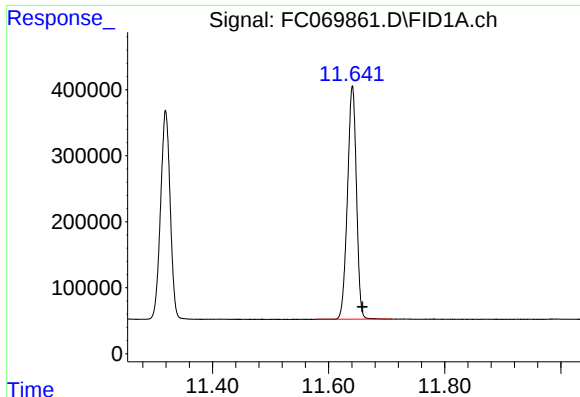
#7 n-Hexadecane (C16)

R.T.: 9.877 min
Delta R.T.: -0.017 min
Response: 3502079
Conc: 21.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.319 min
Delta R.T.: -0.017 min
Response: 3628831
Conc: 20.36 ug/ml



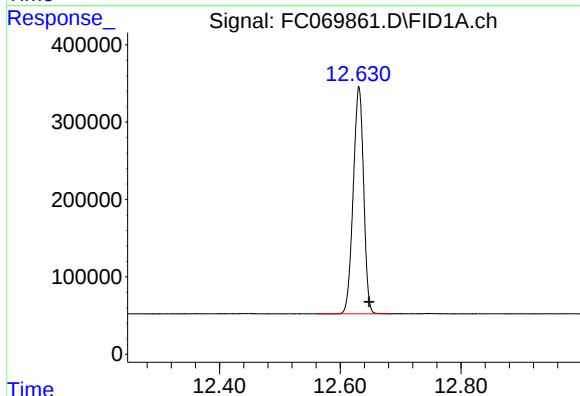
#9 ortho-Terphenyl (SURR)

R.T.: 11.641 min
Delta R.T.: -0.017 min
Response: 3799755
Conc: 20.29 ug/ml

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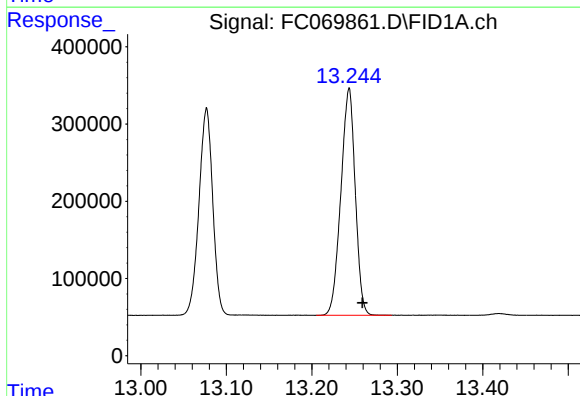
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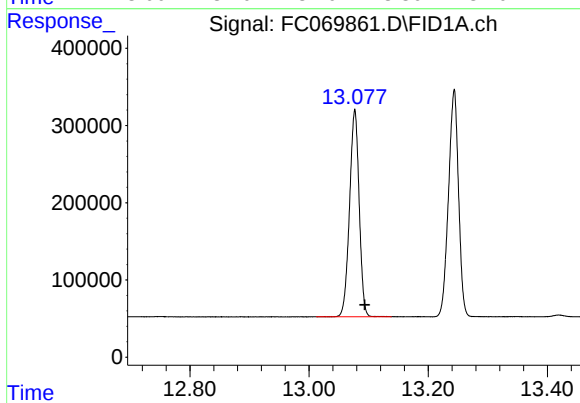
#10 n-Eicosane (C20)

R.T.: 12.631 min
Delta R.T.: -0.016 min
Response: 3506501
Conc: 19.47 ug/ml



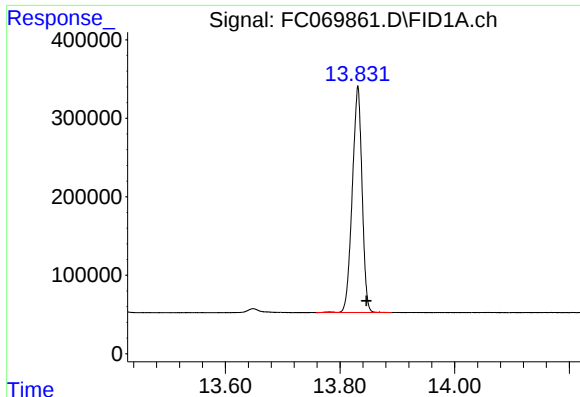
#11 n-Heneicosane (C21)

R.T.: 13.243 min
Delta R.T.: -0.016 min
Response: 3437855
Conc: 19.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.077 min
Delta R.T.: -0.017 min
Response: 3007973
Conc: 19.05 ug/ml



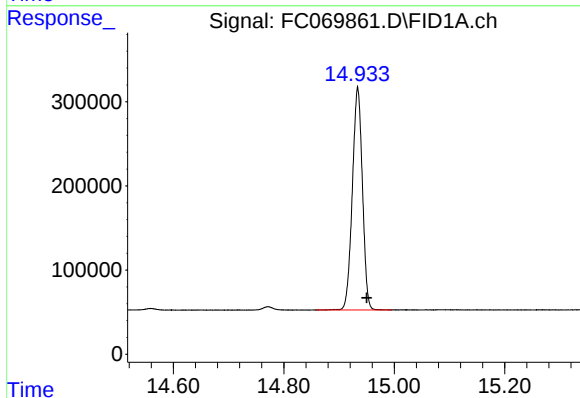
#13 n-Docosane (C22)

R.T.: 13.831 min
Delta R.T.: -0.015 min
Response: 3412327
Conc: 18.78 ug/ml

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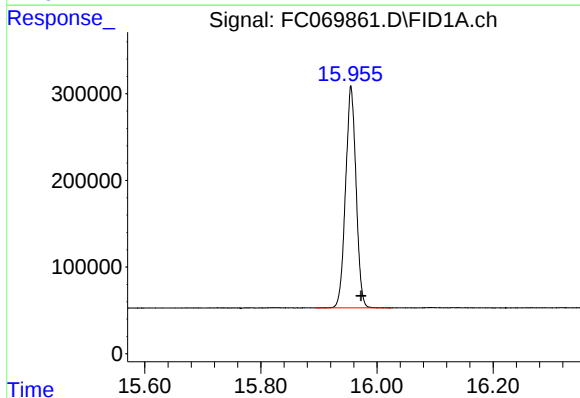
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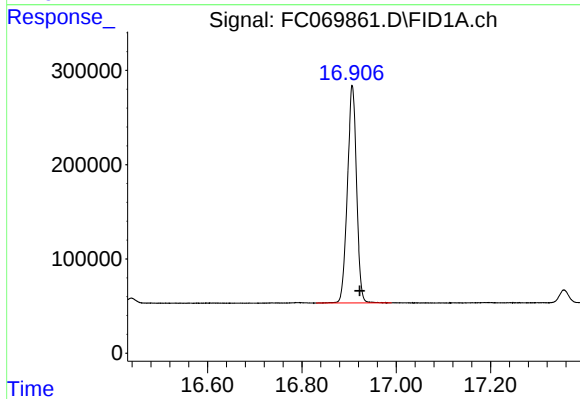
#14 n-Tetracosane (C24)

R.T.: 14.934 min
Delta R.T.: -0.017 min
Response: 3348626
Conc: 18.20 ug/ml



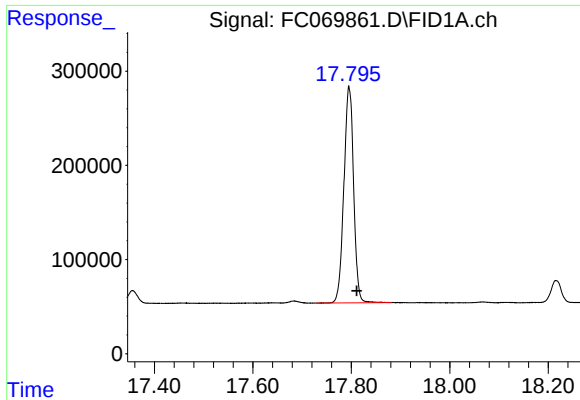
#15 n-Hexacosane (C26)

R.T.: 15.955 min
Delta R.T.: -0.017 min
Response: 3213402
Conc: 17.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.907 min
Delta R.T.: -0.016 min
Response: 3108222
Conc: 17.61 ug/ml



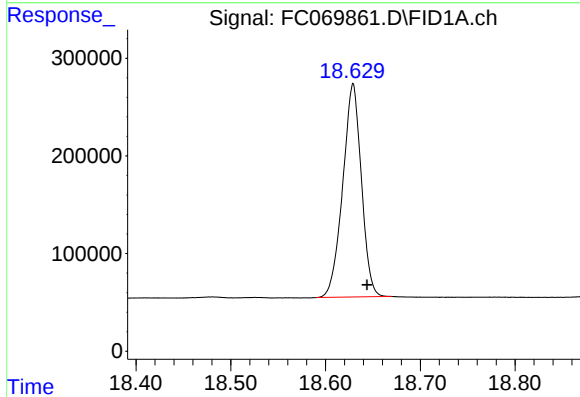
#17 n-Tricontane (C30)

R.T.: 17.796 min
Delta R.T.: -0.015 min
Response: 3149226
Conc: 17.99 ug/ml

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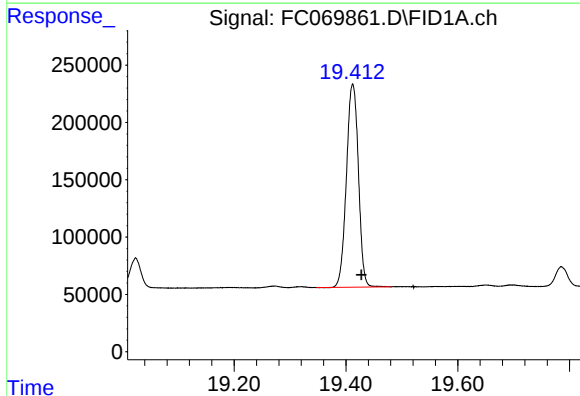
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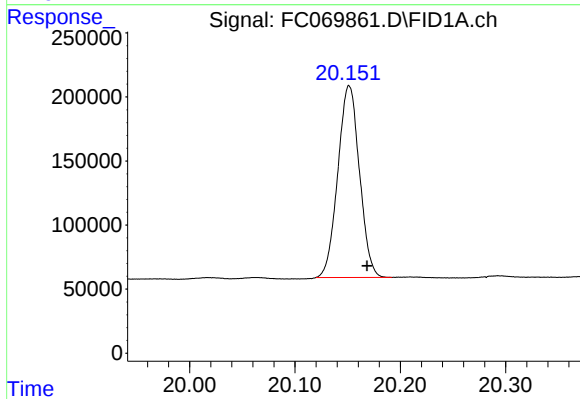
#18 n-Dotriacontane (C32)

R.T.: 18.629 min
Delta R.T.: -0.015 min
Response: 2979049
Conc: 18.41 ug/ml m



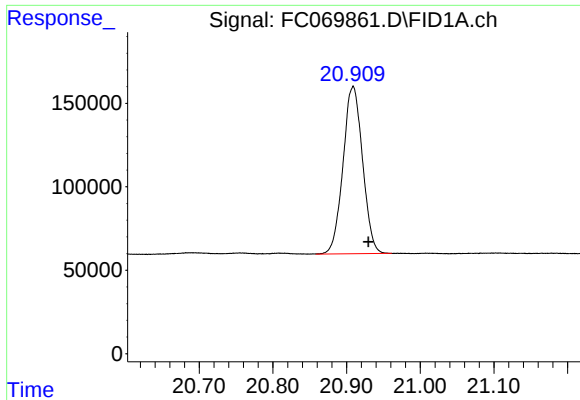
#19 n-Tetratriacontane (C34)

R.T.: 19.412 min
Delta R.T.: -0.016 min
Response: 2635152
Conc: 18.86 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.151 min
Delta R.T.: -0.017 min
Response: 2134149
Conc: 18.90 ug/ml



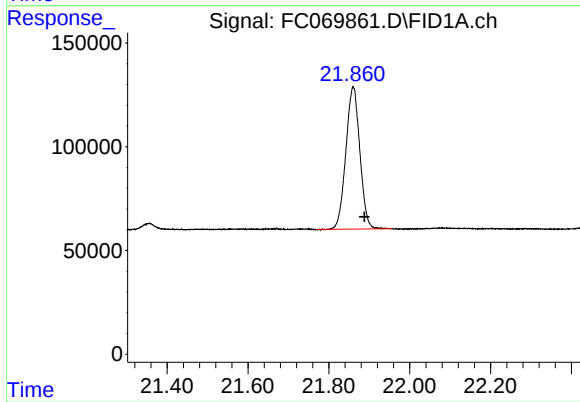
#21 n-Octatriacontane (C38)

R.T.: 20.909 min
Delta R.T.: -0.021 min
Response: 1843386
Conc: 19.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.860 min
Delta R.T.: -0.028 min
Response: 1647511
Conc: 19.13 ug/ml