

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069161.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 19:23
 Operator : YP/AJ
 Sample : Q2126-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
 Quant Time: Jun 12 06:05:31 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			
12) S 1-chlorooctadecane (S...	13.116	3916088	43.651 ug/ml
Spiked Amount 50.000		Recovery =	87.30%
Target Compounds			
1) T n-Nonane (C9)	3.406	304083	2.865 ug/ml
2) T n-Decane (C10)	4.480	371787	3.510 ug/mlm
4) T n-Dodecane (C12)	6.506	412055	3.920 ug/ml
6) T n-Tetradecane (C14)	8.305	435125	4.245 ug/ml
7) T n-Hexadecane (C16)	9.910	398099	3.923 ug/ml
8) T n-Octadecane (C18)	11.355	413726	4.140 ug/ml
10) T n-Eicosane (C20)	12.666	418805	4.300 ug/ml
11) T n-Heneicosane (C21)	13.280	390508	4.057 ug/ml
13) T n-Docosane (C22)	13.868	398773	4.186 ug/ml
14) T n-Tetracosane (C24)	14.972	405271	4.304 ug/ml
15) T n-Hexacosane (C26)	15.995	394434	4.248 ug/ml
16) T n-Octacosane (C28)	16.947	393079	4.229 ug/ml
17) T n-Tricontane (C30)	17.837	406310	4.199 ug/ml
18) T n-Dotriacontane (C32)	18.672	413634	4.174 ug/ml
19) T n-Tetratriacontane (C34)	19.458	393151	4.079 ug/ml
20) T n-Hexatriacontane (C36)	20.199	355891	3.749 ug/ml
21) T n-Octatriacontane (C38)	20.968	331102	3.629 ug/ml
22) T n-Tetracontane (C40)	21.937	324559	3.678 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 15 Sample Multiplier: 1

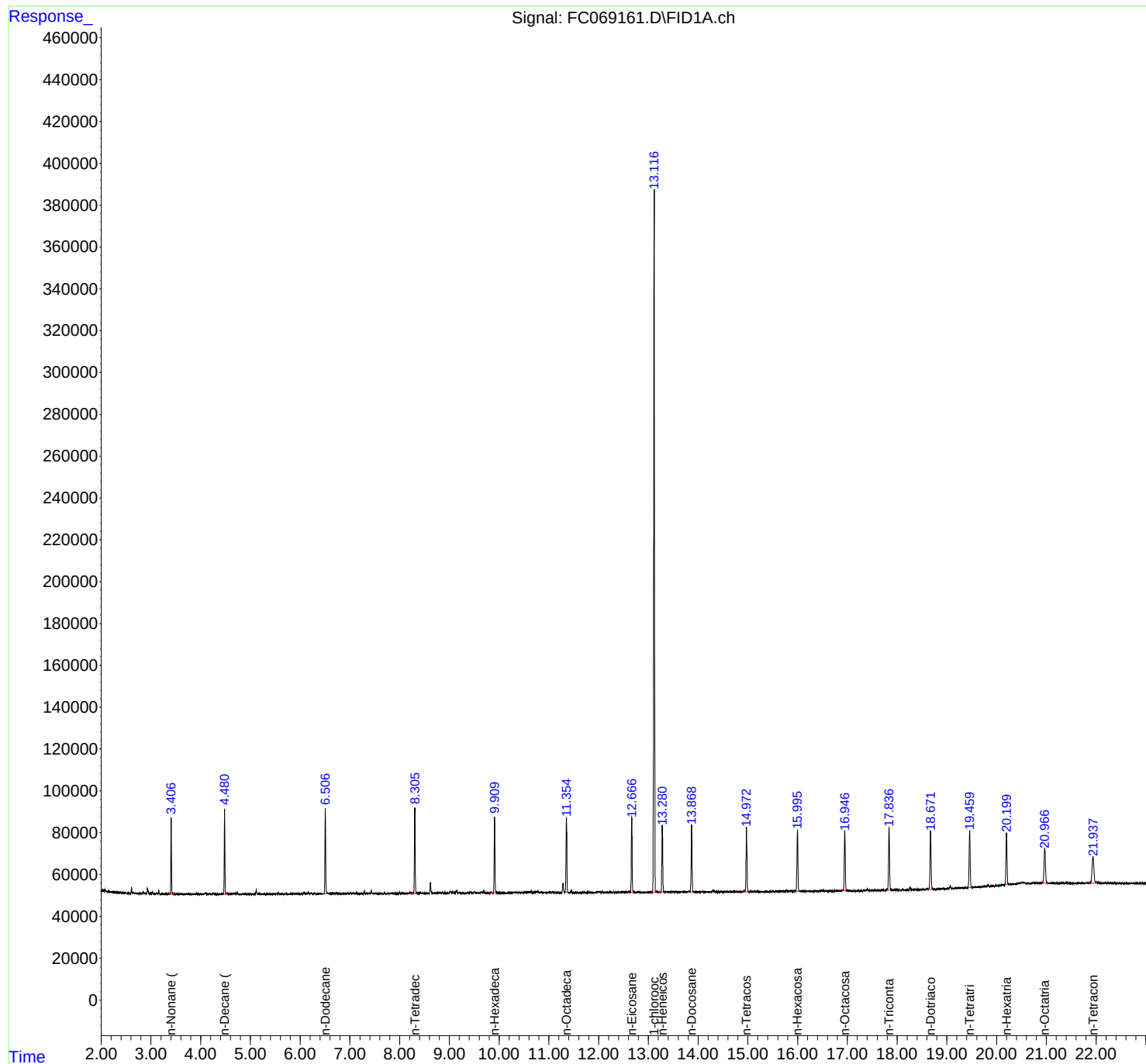
Instrument :
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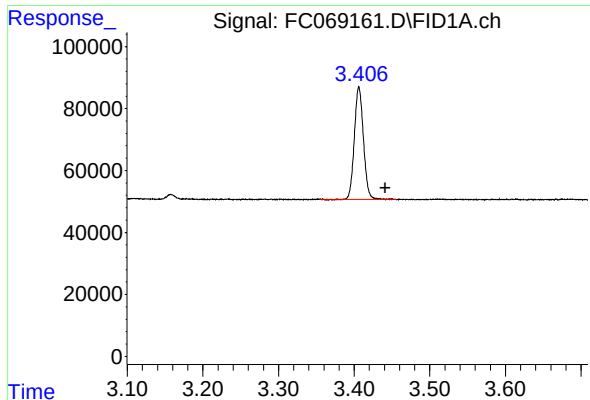
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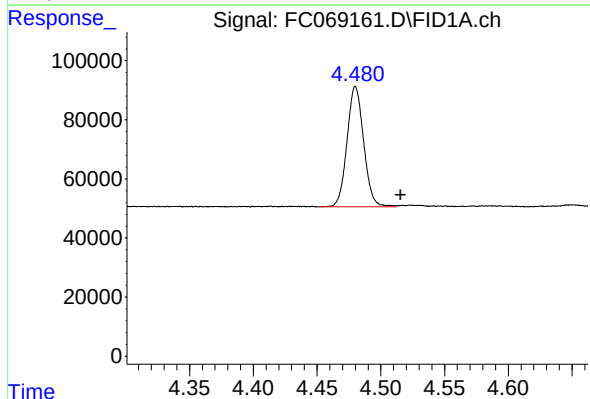
#1 n-Nonane (C9)

R.T.: 3.406 min
Delta R.T.: -0.035 min
Response: 304083
Conc: 2.87 ug/ml

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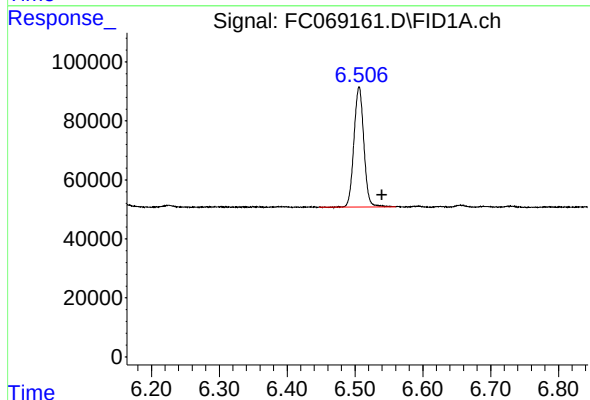
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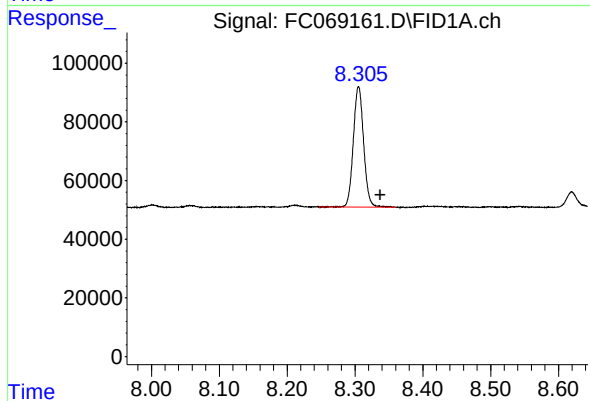
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.036 min
Response: 371787
Conc: 3.51 ug/ml m



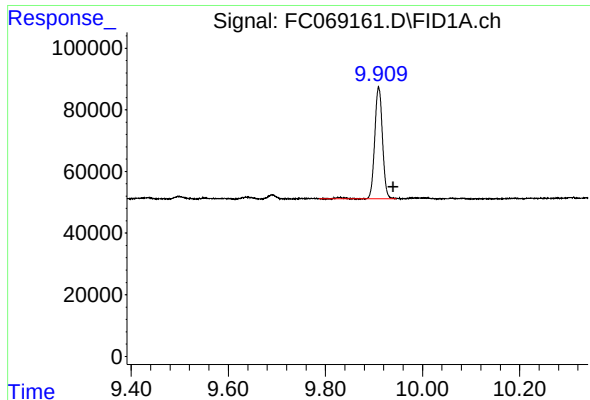
#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: -0.034 min
Response: 412055
Conc: 3.92 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.032 min
Response: 435125
Conc: 4.24 ug/ml



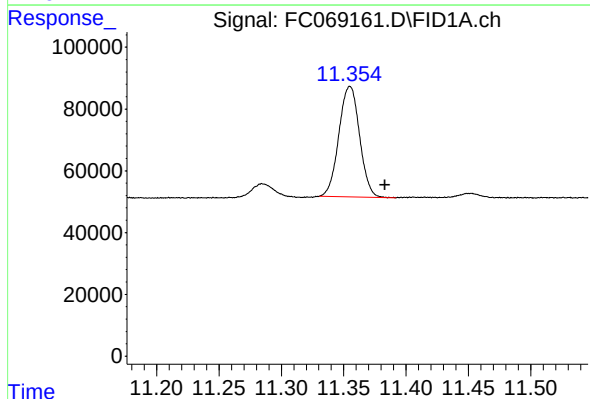
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: -0.030 min
Response: 398099
Conc: 3.92 ug/ml

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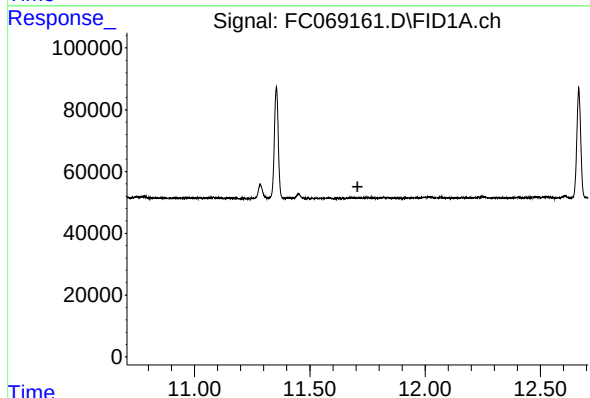
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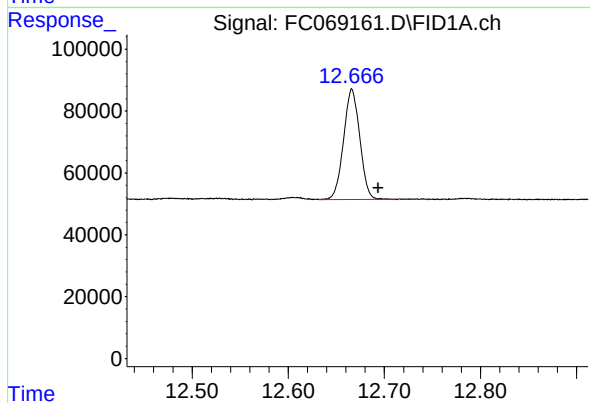
#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: -0.028 min
Response: 413726
Conc: 4.14 ug/ml



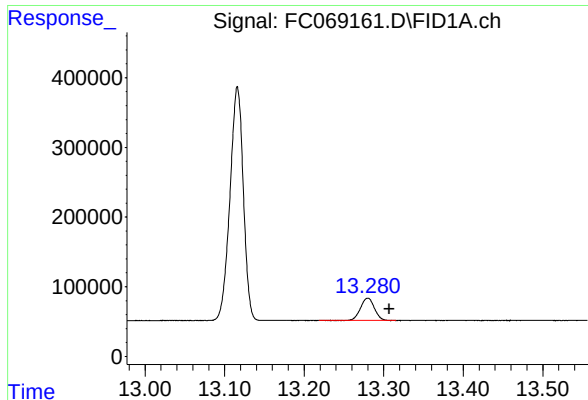
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.707 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.027 min
Response: 418805
Conc: 4.30 ug/ml



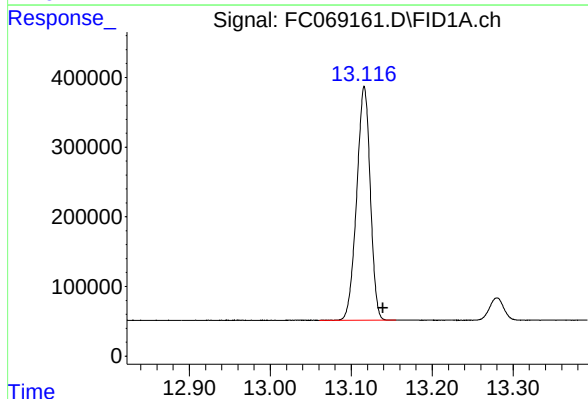
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 390508
Conc: 4.06 ug/ml

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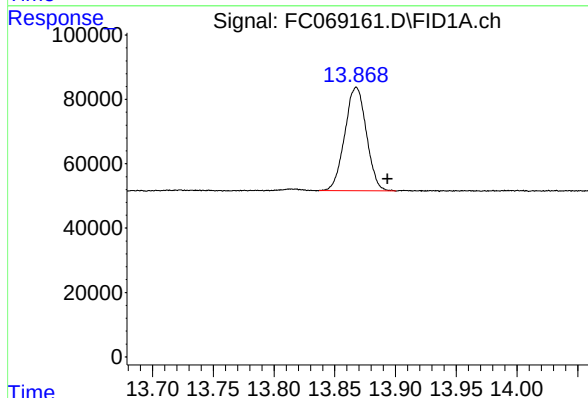
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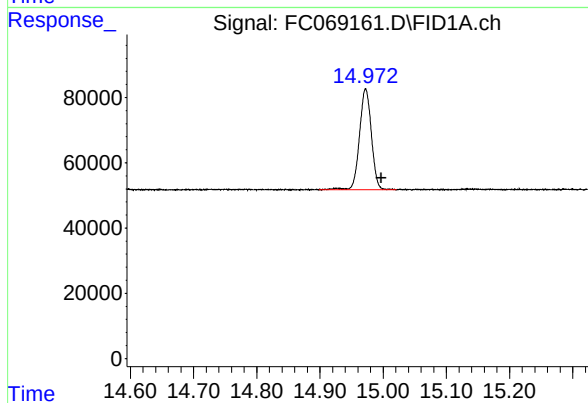
#12 1-chlorooctadecane (SURR)

R.T.: 13.116 min
Delta R.T.: -0.023 min
Response: 3916088
Conc: 43.65 ug/ml



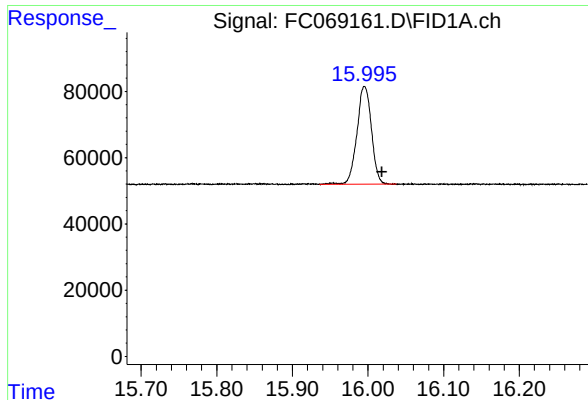
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: -0.026 min
Response: 398773
Conc: 4.19 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 405271
Conc: 4.30 ug/ml



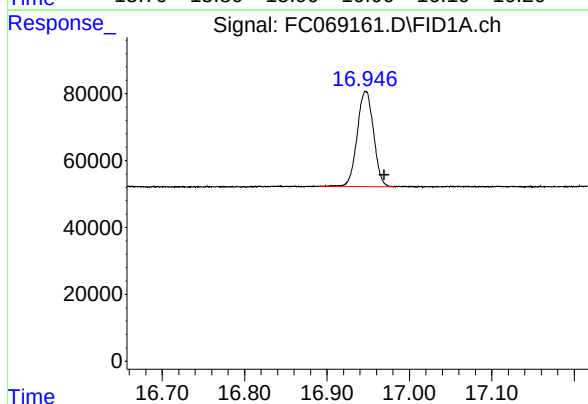
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.023 min
Response: 394434
Conc: 4.25 ug/ml

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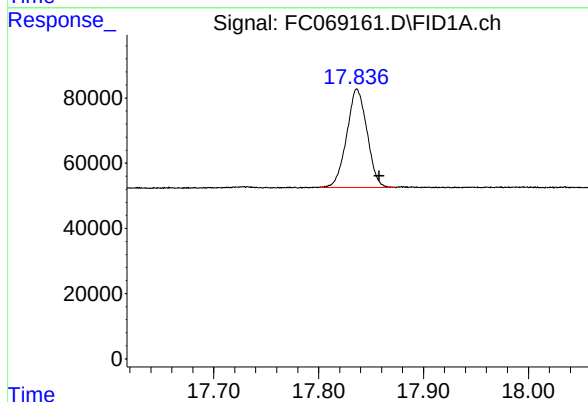
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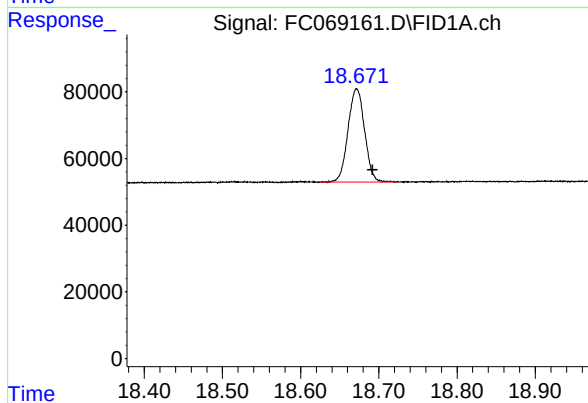
#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.023 min
Response: 393079
Conc: 4.23 ug/ml



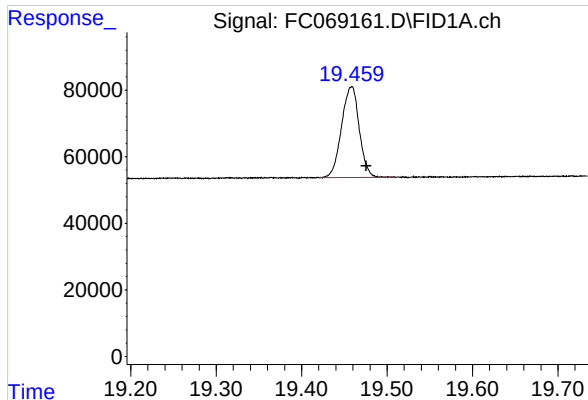
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.021 min
Response: 406310
Conc: 4.20 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: -0.020 min
Response: 413634
Conc: 4.17 ug/ml



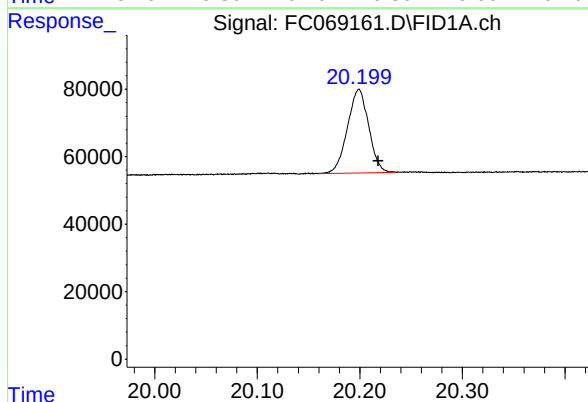
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: -0.018 min
Response: 393151
Conc: 4.08 ug/ml

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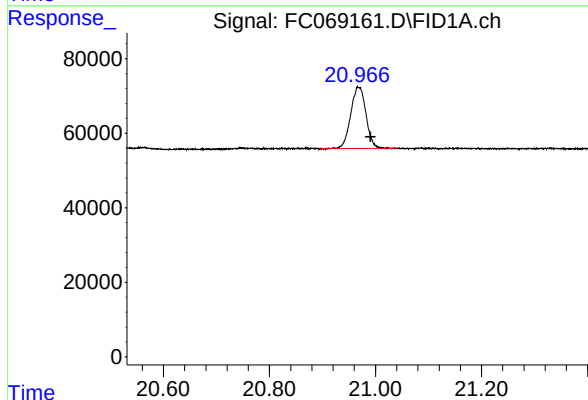
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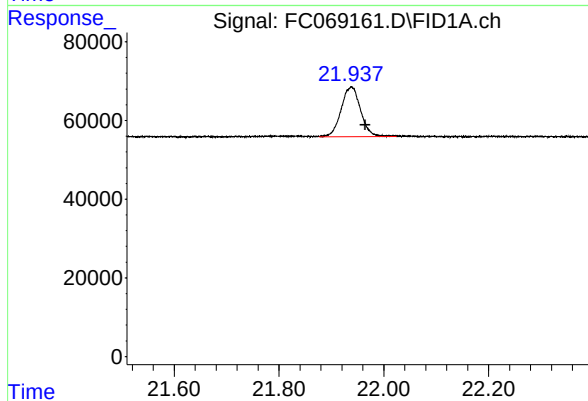
#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: -0.019 min
Response: 355891
Conc: 3.75 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.022 min
Response: 331102
Conc: 3.63 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: -0.028 min
Response: 324559
Conc: 3.68 ug/ml m