

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070925AL\
 Data File : FC069410.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jul 2025 23:02
 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
 07/10/2025

Supervised By :mohammad
 ahmed
 07/11/2025

Integration File: autoint1.e
 Quant Time: Jul 10 03:41:52 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)	11.672	3126522	18.098 ug/ml
Spiked Amount 50.000		Recovery =	36.20%
12) S 1-chlorooctadecane (S...	13.107	2351990	18.003 ug/ml
Spiked Amount 50.000		Recovery =	36.01%
Target Compounds			
1) T n-Nonane (C9)	3.404	2838266	19.957 ug/ml
2) T n-Decane (C10)	4.476	2956091	20.193 ug/ml
3) T A~Naphthalene (C11.7)	6.071	3242521	20.153 ug/ml
4) T n-Dodecane (C12)	6.501	2997900	19.798 ug/ml
5) T A~2-methylnaphthalene...	7.131	3125739	19.752 ug/ml
6) T n-Tetradecane (C14)	8.301	2980548	19.229 ug/ml
7) T n-Hexadecane (C16)	9.905	3027955	18.529 ug/ml
8) T n-Octadecane (C18)	11.349	2973029	18.209 ug/ml
10) T n-Eicosane (C20)	12.661	2772037	18.161 ug/ml
11) T n-Heneicosane (C21)	13.274	2683094	18.204 ug/ml
13) T n-Docosane (C22)	13.861	2634485	18.310 ug/ml
14) T n-Tetracosane (C24)	14.966	2558461	18.549 ug/ml
15) T n-Hexacosane (C26)	15.988	2434372	18.622 ug/ml
16) T n-Octacosane (C28)	16.939	2369391	19.212 ug/ml
17) T n-Tricontane (C30)	17.828	2438329	20.510 ug/ml
18) T n-Dotriacontane (C32)	18.661	2362383	21.606 ug/ml
19) T n-Tetratriacontane (C34)	19.447	2121972	21.974 ug/ml
20) T n-Hexatriacontane (C36)	20.188	1824510	22.139 ug/ml
21) T n-Octatriacontane (C38)	20.953	1643363	21.991 ug/mlm
22) T n-Tetracontane (C40)	21.922	1535848	21.688 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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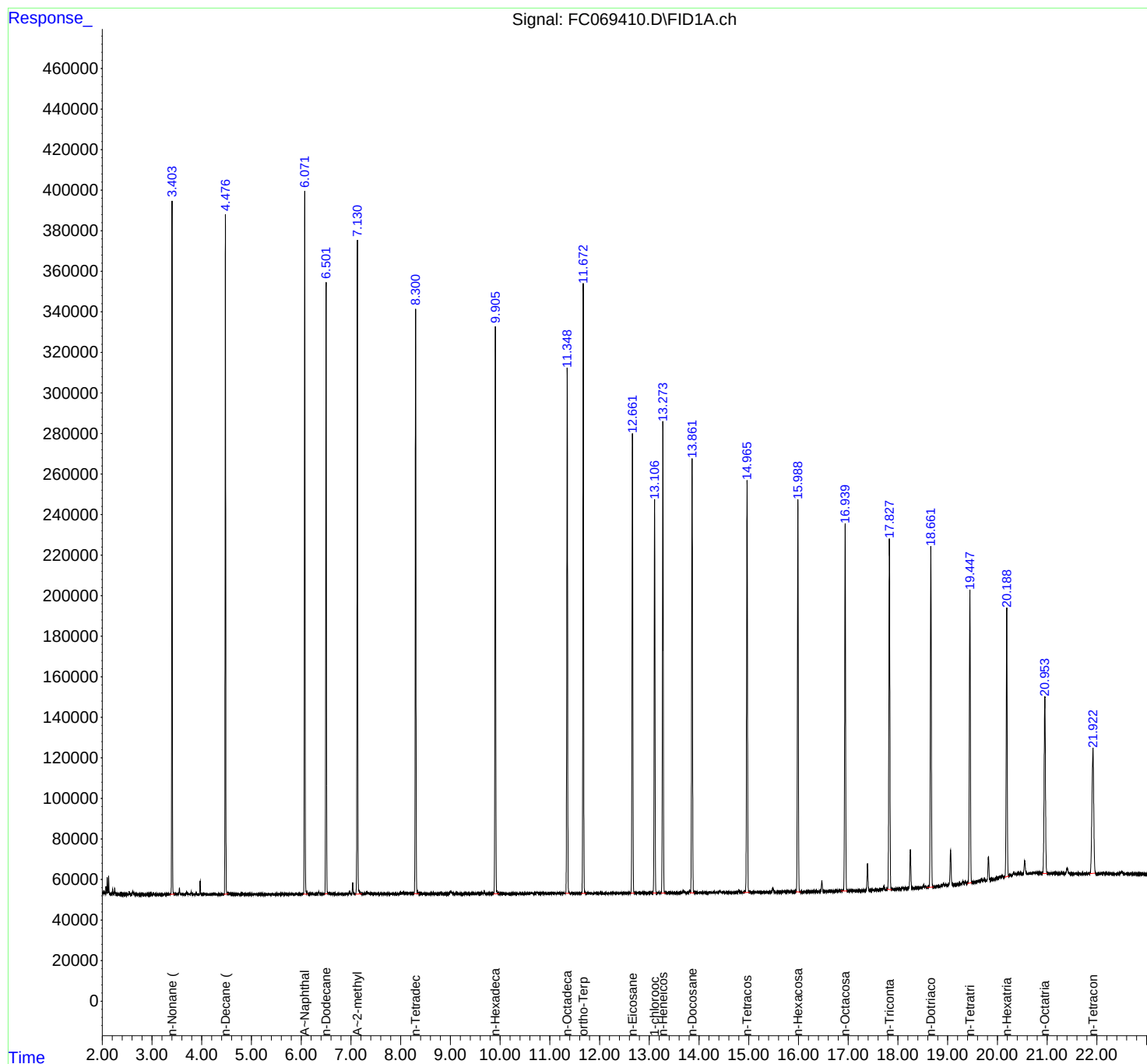
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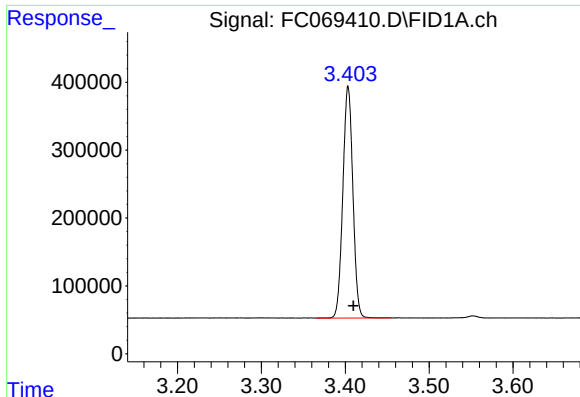
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#1 n-Nonane (C9)

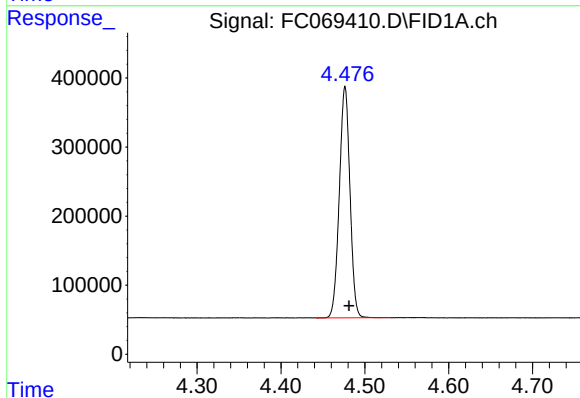
R.T.: 3.404 min
Delta R.T.: -0.006 min
Response: 2838266
Conc: 19.96 ug/ml

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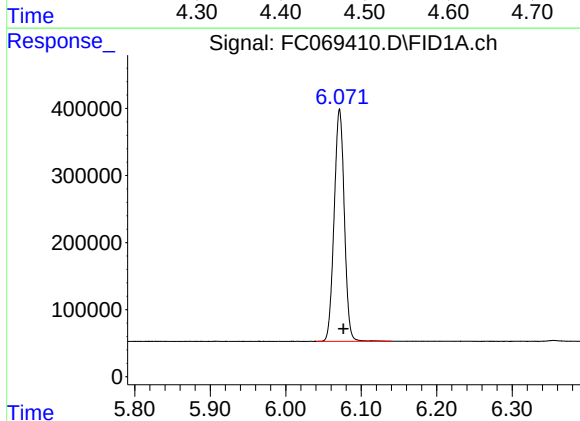
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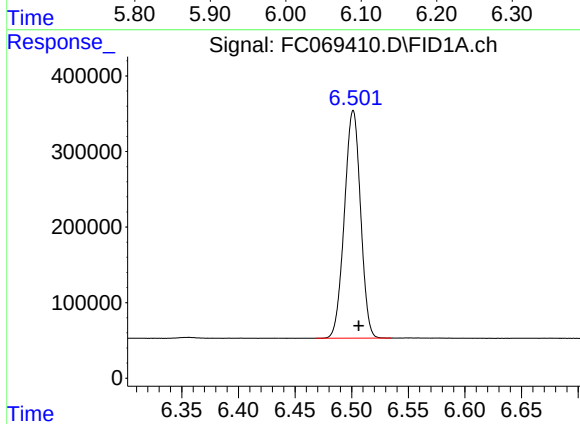
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.005 min
Response: 2956091
Conc: 20.19 ug/ml



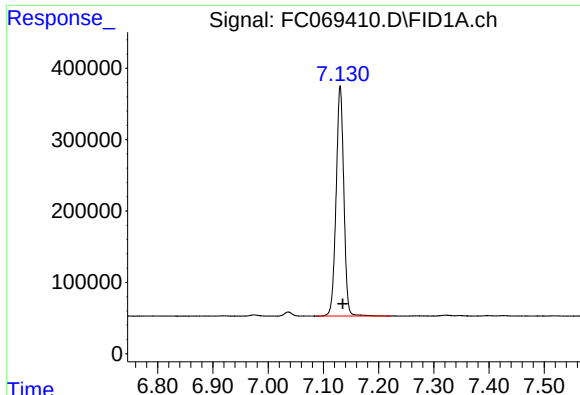
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.005 min
Response: 3242521
Conc: 20.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.501 min
Delta R.T.: -0.005 min
Response: 2997900
Conc: 19.80 ug/ml



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

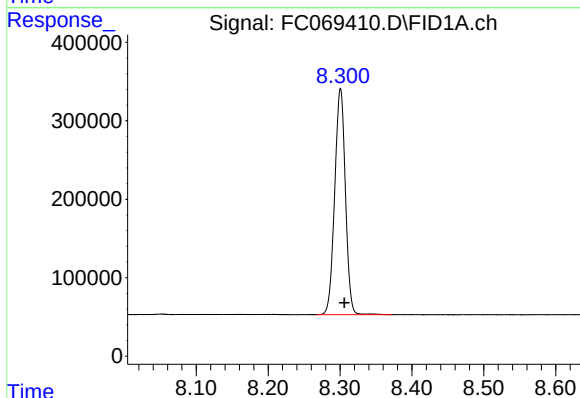
R.T.: 7.131 min
Delta R.T.: -0.005 min
Response: 3125739
Conc: 19.75 ug/ml

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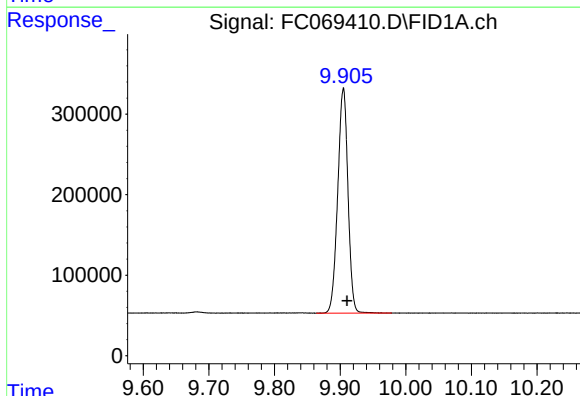
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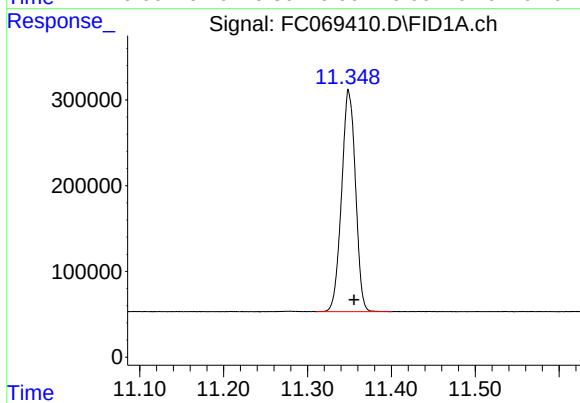
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: -0.005 min
Response: 2980548
Conc: 19.23 ug/ml



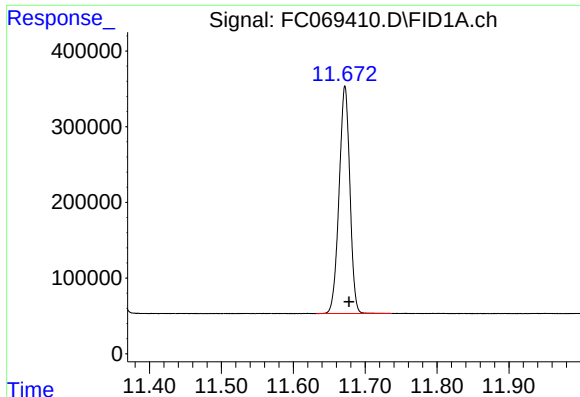
#7 n-Hexadecane (C16)

R.T.: 9.905 min
Delta R.T.: -0.006 min
Response: 3027955
Conc: 18.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.349 min
Delta R.T.: -0.006 min
Response: 2973029
Conc: 18.21 ug/ml



#9 ortho-Terphenyl (SURR)

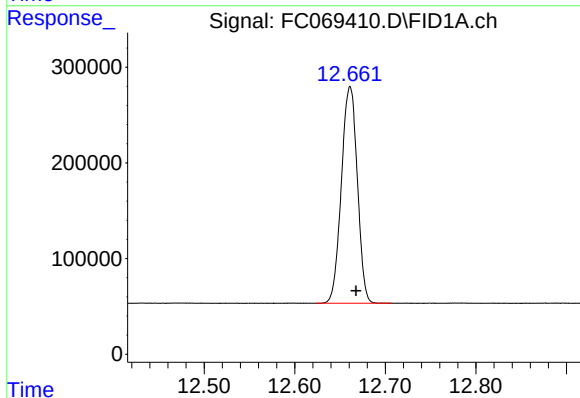
R.T.: 11.672 min
Delta R.T.: -0.006 min
Response: 3126522
Conc: 18.10 ug/ml

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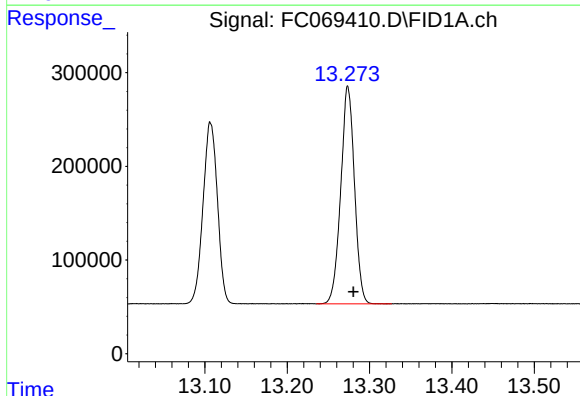
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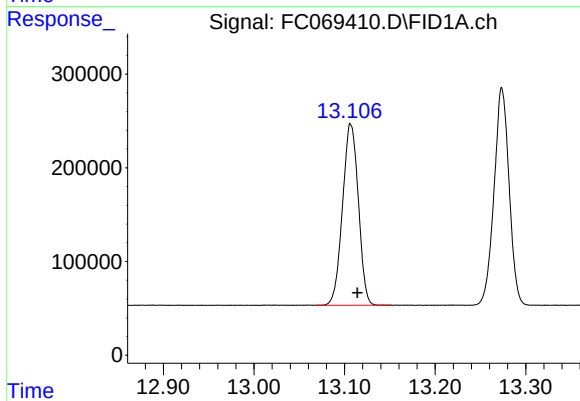
#10 n-Eicosane (C20)

R.T.: 12.661 min
Delta R.T.: -0.007 min
Response: 2772037
Conc: 18.16 ug/ml



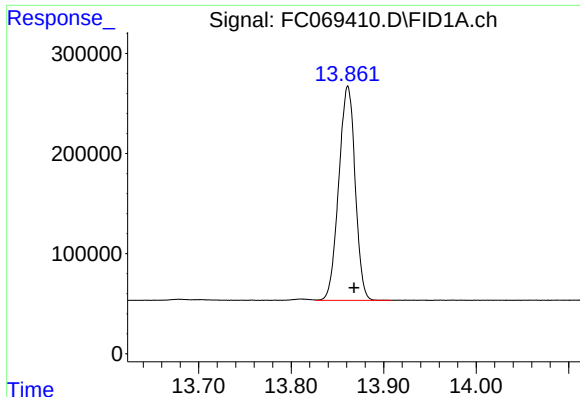
#11 n-Heneicosane (C21)

R.T.: 13.274 min
Delta R.T.: -0.007 min
Response: 2683094
Conc: 18.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.107 min
Delta R.T.: -0.007 min
Response: 2351990
Conc: 18.00 ug/ml



#13 n-Docosane (C22)

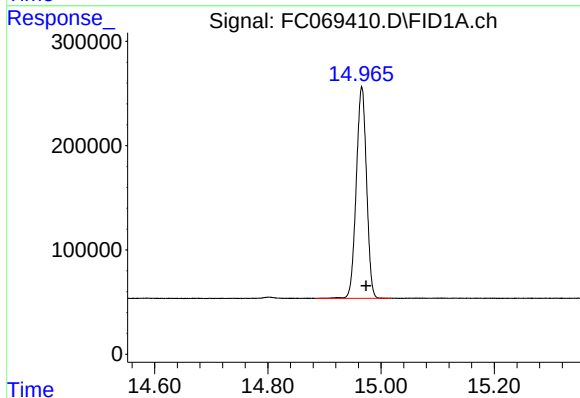
R.T.: 13.861 min
Delta R.T.: -0.007 min
Response: 2634485
Conc: 18.31 ug/ml

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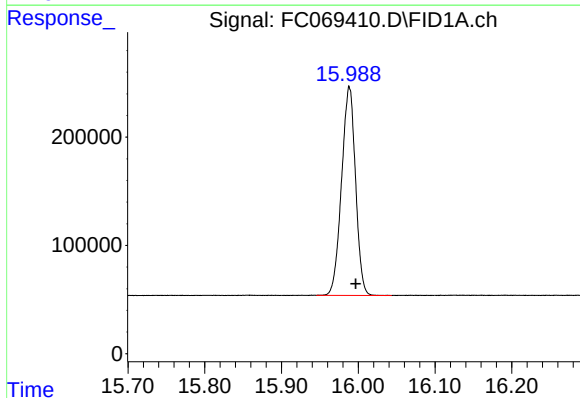
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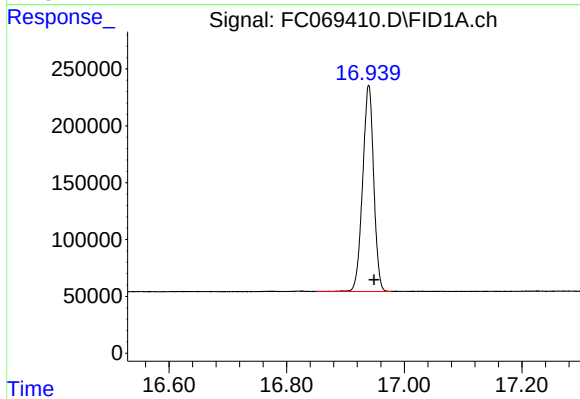
#14 n-Tetracosane (C24)

R.T.: 14.966 min
Delta R.T.: -0.008 min
Response: 2558461
Conc: 18.55 ug/ml



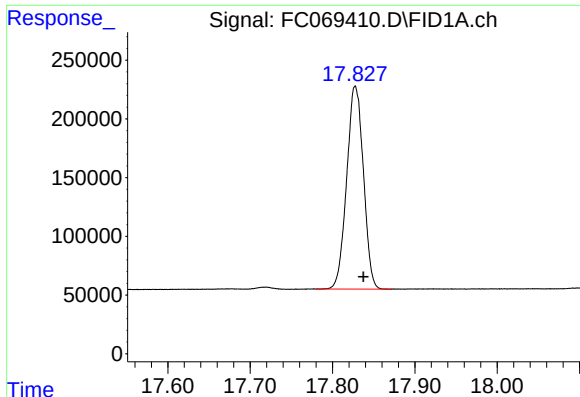
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: -0.008 min
Response: 2434372
Conc: 18.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.939 min
Delta R.T.: -0.009 min
Response: 2369391
Conc: 19.21 ug/ml



#17 n-Tricontane (C30)

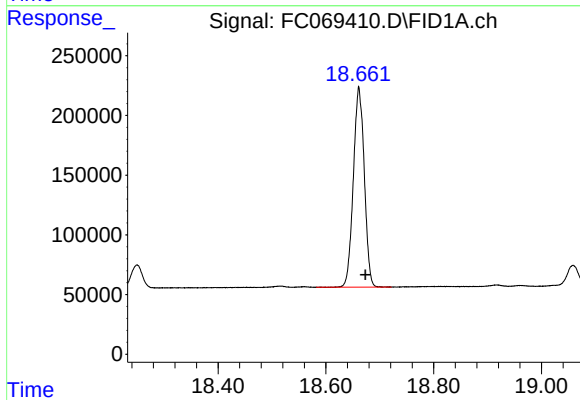
R.T.: 17.828 min
Delta R.T.: -0.010 min
Response: 2438329
Conc: 20.51 ug/ml

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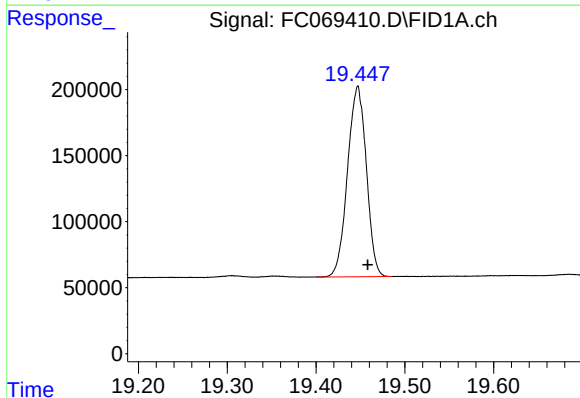
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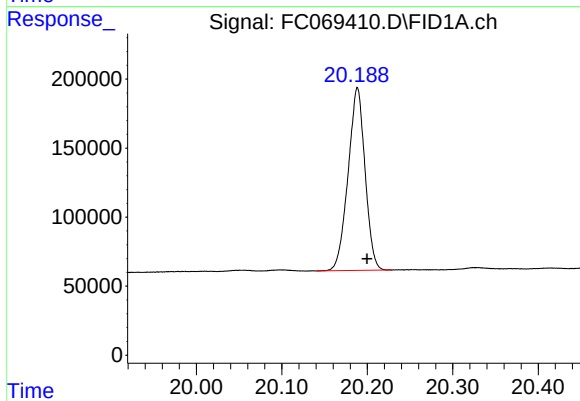
#18 n-Dotriacontane (C32)

R.T.: 18.661 min
Delta R.T.: -0.012 min
Response: 2362383
Conc: 21.61 ug/ml



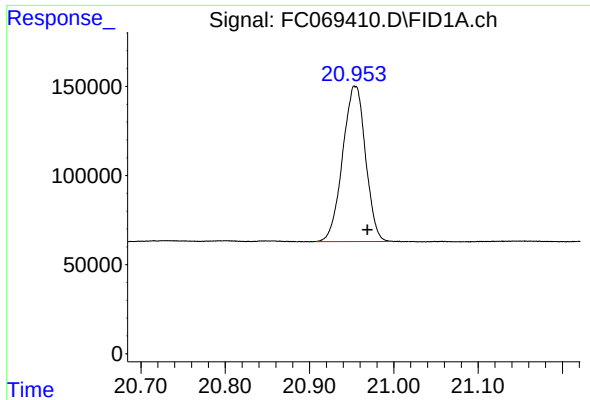
#19 n-Tetratriacontane (C34)

R.T.: 19.447 min
Delta R.T.: -0.011 min
Response: 2121972
Conc: 21.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.188 min
Delta R.T.: -0.011 min
Response: 1824510
Conc: 22.14 ug/ml



#21 n-Octatriacontane (C38)

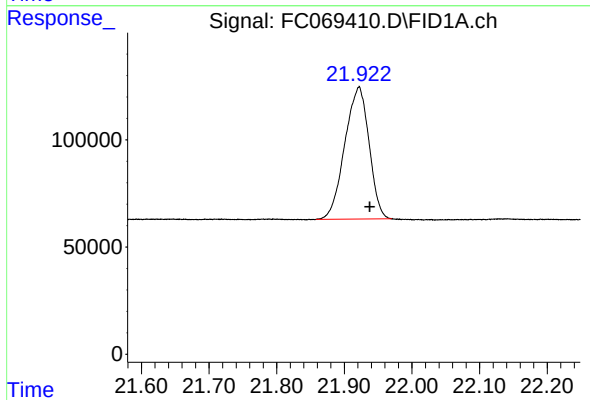
R.T.: 20.953 min
Delta R.T.: -0.016 min
Response: 1643363
Conc: 21.99 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.922 min
Delta R.T.: -0.016 min
Response: 1535848
Conc: 21.69 ug/ml m