

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC093025AL\
 Data File : FC069866.D
 Signal(s) : FID1A.ch
 Acq On : 29 Sep 2025 16:06
 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 05:59:23 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)	11.648	3606082	19.253 ug/ml
Spiked Amount 50.000		Recovery =	38.51%
12) S 1-chlorooctadecane (S...	13.082	2877860	18.224 ug/ml
Spiked Amount 50.000		Recovery =	36.45%
Target Compounds			
1) T n-Nonane (C9)	3.388	2590471	20.208 ug/ml
2) T n-Decane (C10)	4.459	2766612	20.820 ug/ml
3) T A~Naphthalene (C11.7)	6.052	3100726	20.888 ug/ml
4) T n-Dodecane (C12)	6.481	2978681	21.353 ug/ml
5) T A~2-methylnaphthalene...	7.110	3106401	21.040 ug/ml
6) T n-Tetradecane (C14)	8.277	3113781	20.994 ug/ml
7) T n-Hexadecane (C16)	9.881	3501385	21.217 ug/ml
8) T n-Octadecane (C18)	11.325	3442637	19.317 ug/ml
10) T n-Eicosane (C20)	12.636	3330453	18.491 ug/ml
11) T n-Heneicosane (C21)	13.248	3269850	18.134 ug/ml
13) T n-Docosane (C22)	13.834	3305672	18.196 ug/ml
14) T n-Tetracosane (C24)	14.938	3236678	17.590 ug/ml
15) T n-Hexacosane (C26)	15.960	3142406	17.308 ug/ml
16) T n-Octacosane (C28)	16.913	3080061	17.448 ug/ml
17) T n-Tricontane (C30)	17.800	3190660	18.229 ug/ml
18) T n-Dotriacontane (C32)	18.634	3096256	19.138 ug/mlm
19) T n-Tetratriacontane (C34)	19.416	2711466	19.402 ug/mlm
20) T n-Hexatriacontane (C36)	20.157	2201812	19.502 ug/mlm
21) T n-Octatriacontane (C38)	20.914	1841657	19.091 ug/mlm
22) T n-Tetracontane (C40)	21.866	1703885	19.783 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

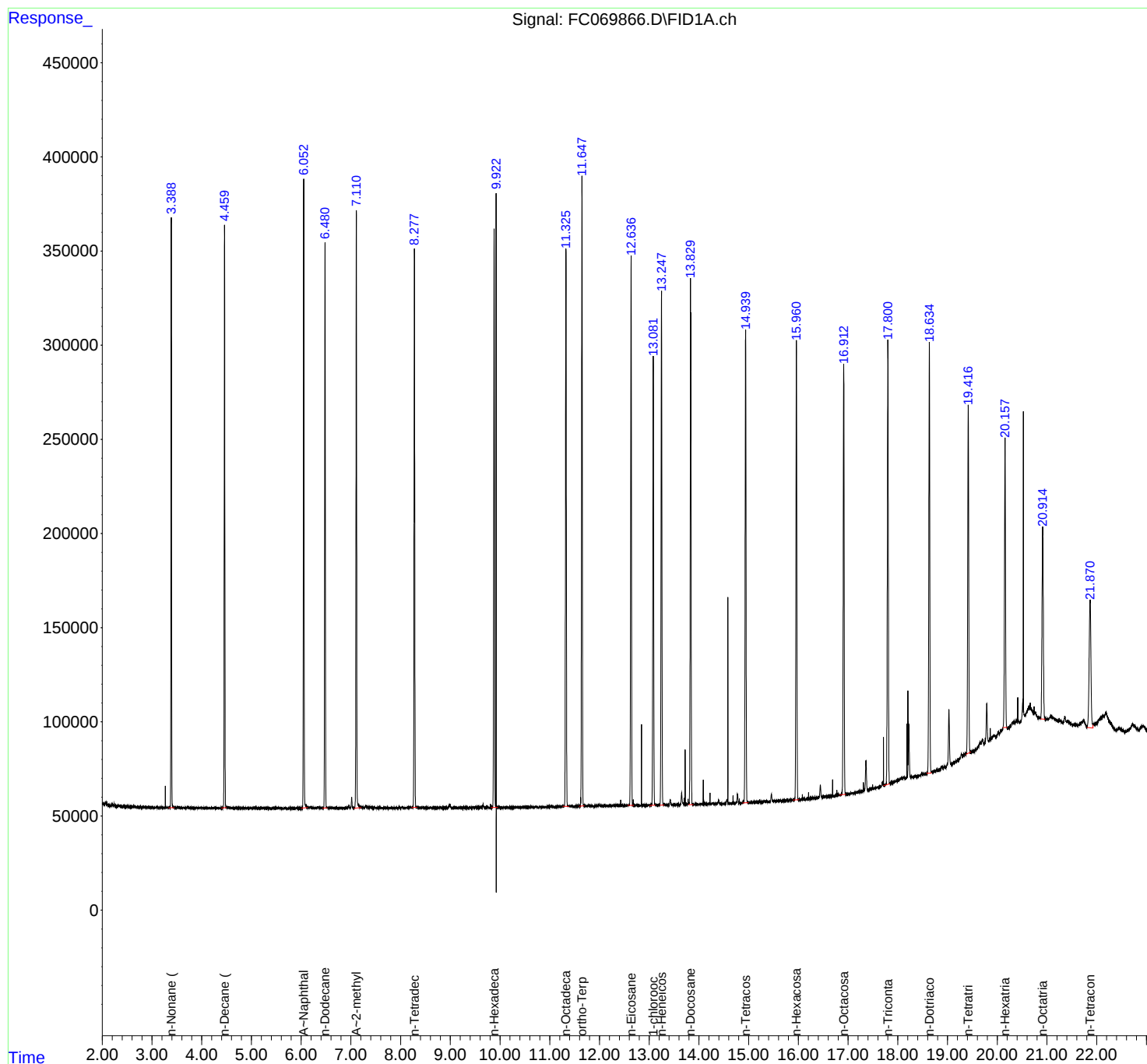
Instrument :
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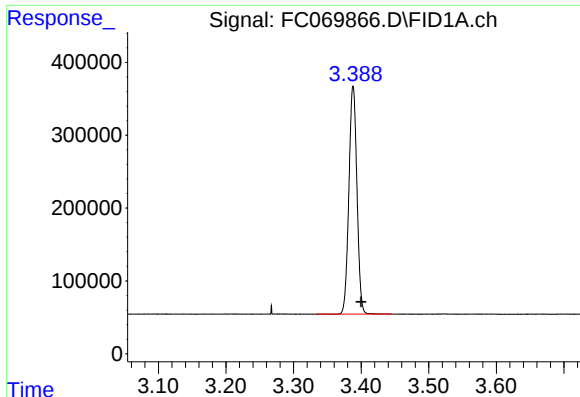
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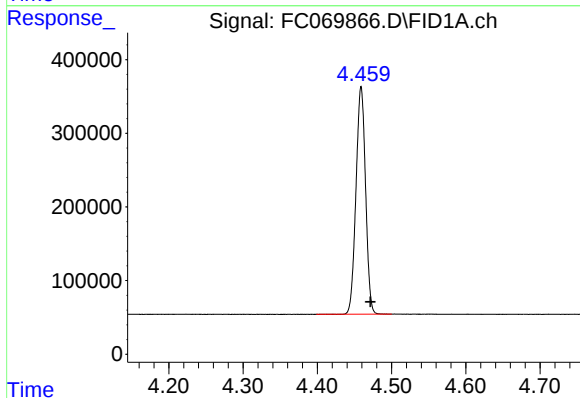
#1 n-Nonane (C9)

R.T.: 3.388 min
Delta R.T.: -0.012 min
Response: 2590471
Conc: 20.21 ug/ml

Instrument :
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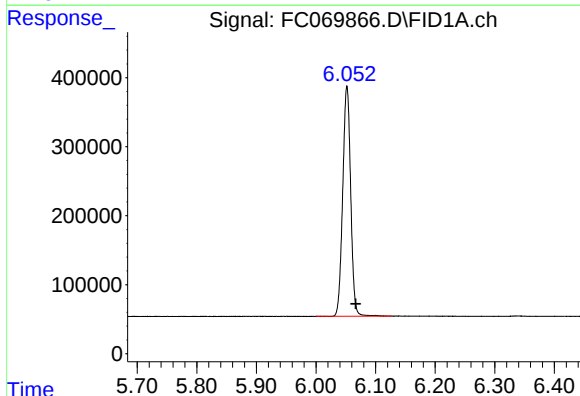
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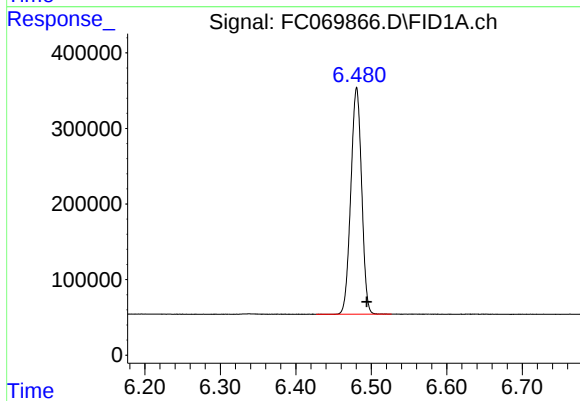
#2 n-Decane (C10)

R.T.: 4.459 min
Delta R.T.: -0.013 min
Response: 2766612
Conc: 20.82 ug/ml



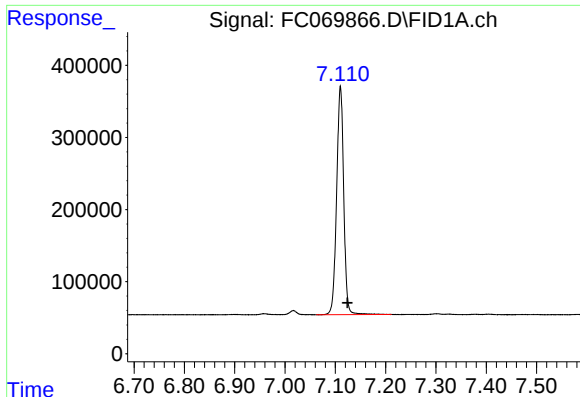
#3 A~Naphthalene (C11.7)

R.T.: 6.052 min
Delta R.T.: -0.015 min
Response: 3100726
Conc: 20.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.481 min
Delta R.T.: -0.013 min
Response: 2978681
Conc: 21.35 ug/ml



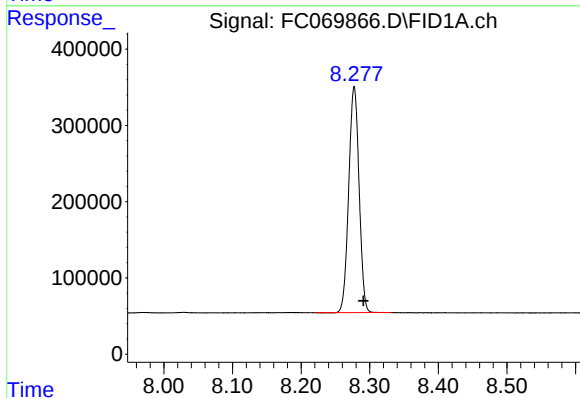
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.110 min
Delta R.T.: -0.014 min
Response: 3106401
Conc: 21.04 ug/ml

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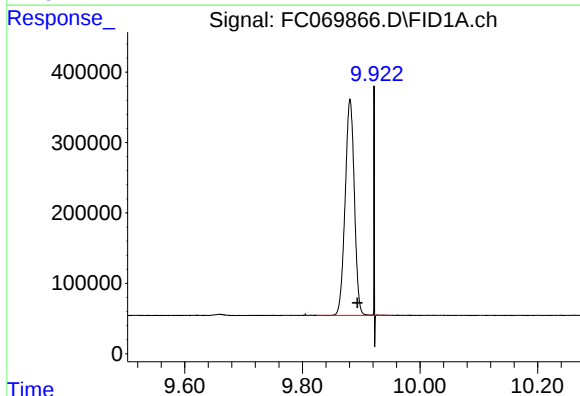
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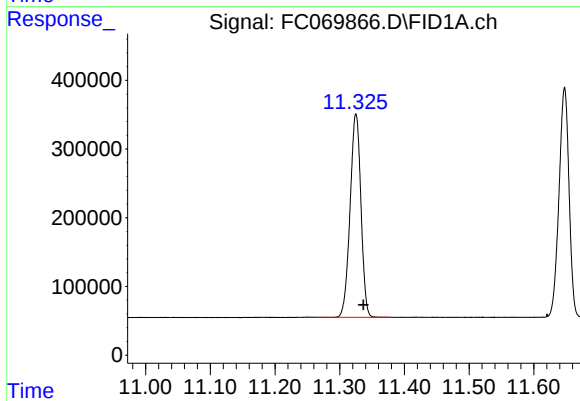
#6 n-Tetradecane (C14)

R.T.: 8.277 min
Delta R.T.: -0.013 min
Response: 3113781
Conc: 20.99 ug/ml



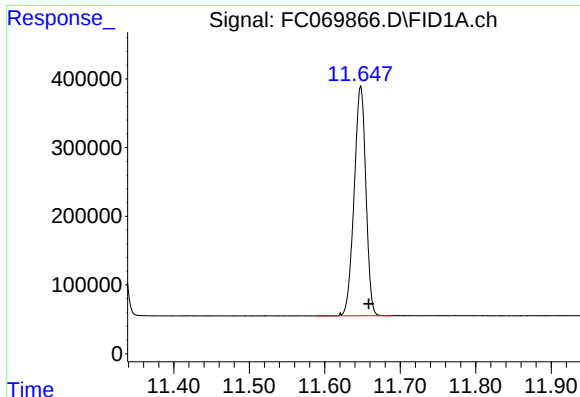
#7 n-Hexadecane (C16)

R.T.: 9.881 min
Delta R.T.: -0.013 min
Response: 3501385
Conc: 21.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.325 min
Delta R.T.: -0.011 min
Response: 3442637
Conc: 19.32 ug/ml



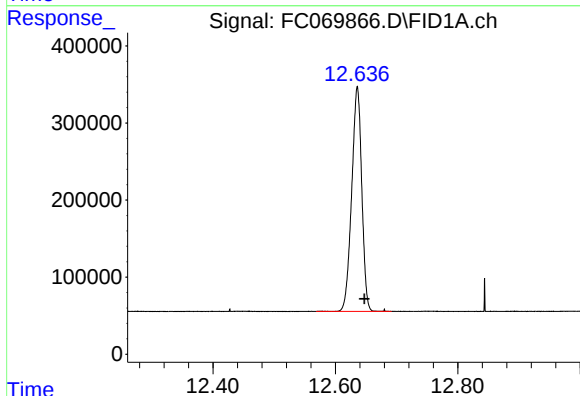
#9 ortho-Terphenyl (SURR)

R.T.: 11.648 min
Delta R.T.: -0.011 min
Response: 3606082
Conc: 19.25 ug/ml

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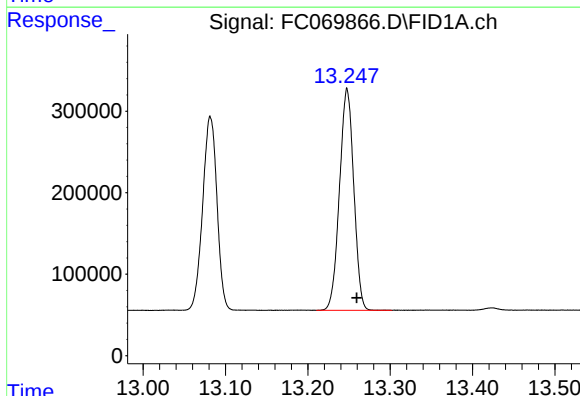
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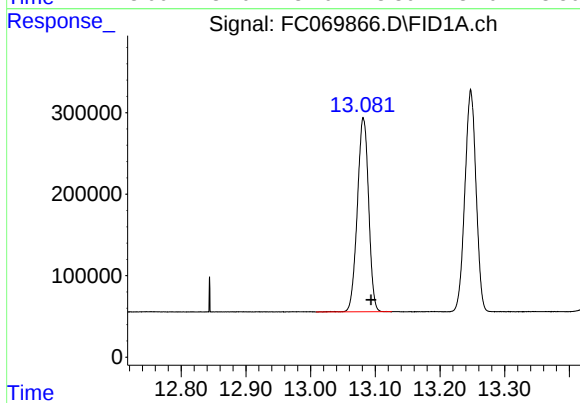
#10 n-Eicosane (C20)

R.T.: 12.636 min
Delta R.T.: -0.012 min
Response: 3330453
Conc: 18.49 ug/ml



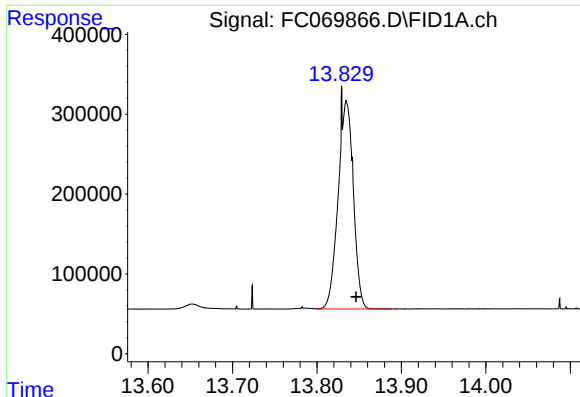
#11 n-Heneicosane (C21)

R.T.: 13.248 min
Delta R.T.: -0.012 min
Response: 3269850
Conc: 18.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.082 min
Delta R.T.: -0.012 min
Response: 2877860
Conc: 18.22 ug/ml



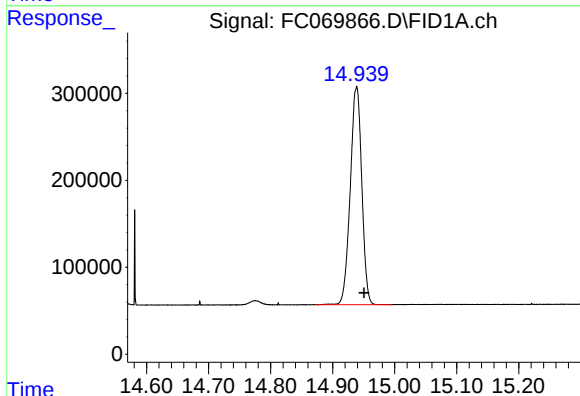
#13 n-Docosane (C22)

R.T.: 13.834 min
Delta R.T.: -0.012 min
Response: 3305672
Conc: 18.20 ug/ml

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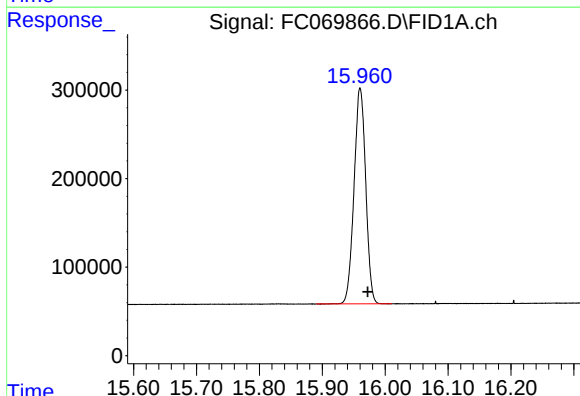
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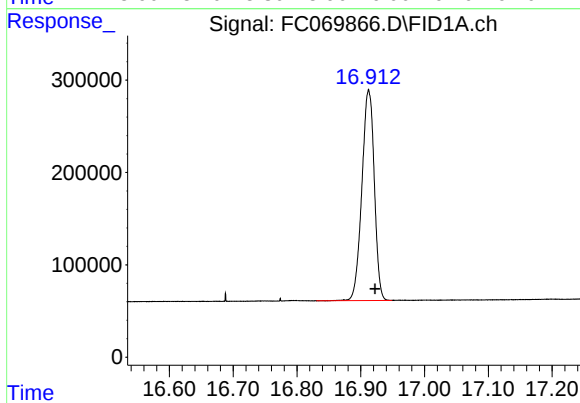
#14 n-Tetracosane (C24)

R.T.: 14.938 min
Delta R.T.: -0.012 min
Response: 3236678
Conc: 17.59 ug/ml



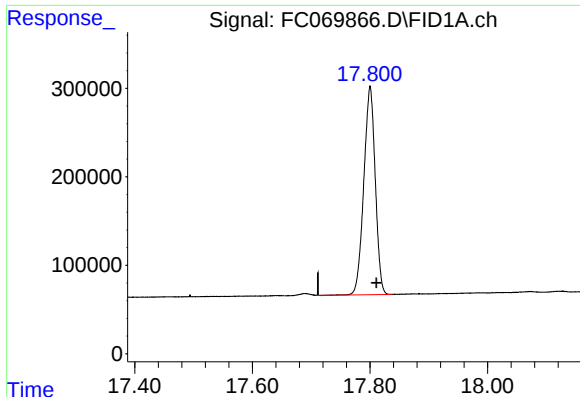
#15 n-Hexacosane (C26)

R.T.: 15.960 min
Delta R.T.: -0.012 min
Response: 3142406
Conc: 17.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.913 min
Delta R.T.: -0.010 min
Response: 3080061
Conc: 17.45 ug/ml



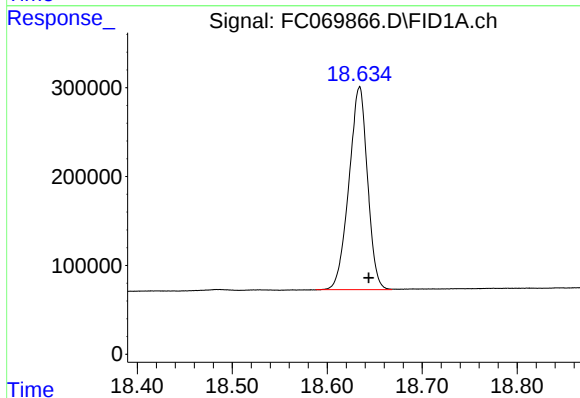
#17 n-Tricontane (C30)

R.T.: 17.800 min
Delta R.T.: -0.011 min
Response: 3190660
Conc: 18.23 ug/ml

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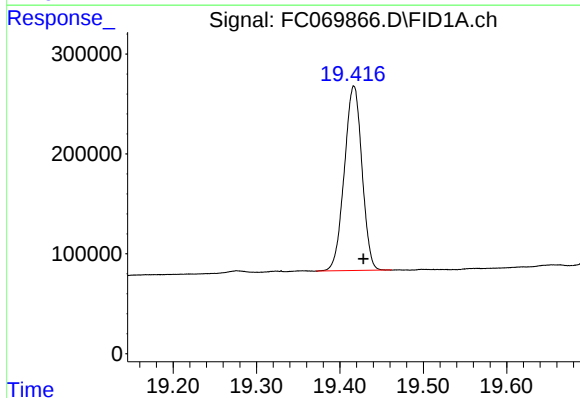
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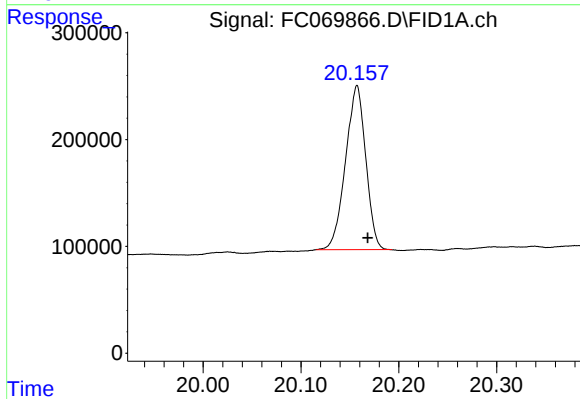
#18 n-Dotriacontane (C32)

R.T.: 18.634 min
Delta R.T.: -0.010 min
Response: 3096256
Conc: 19.14 ug/ml m



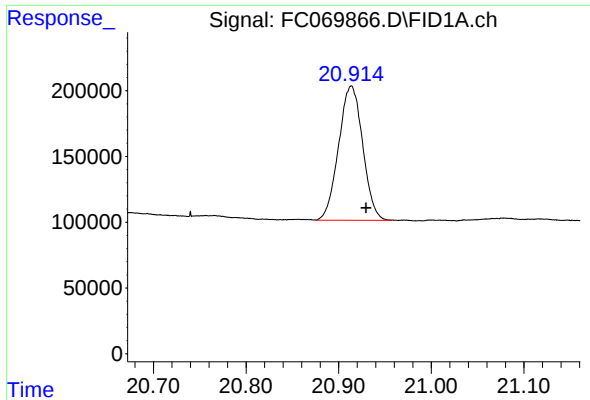
#19 n-Tetratriacontane (C34)

R.T.: 19.416 min
Delta R.T.: -0.012 min
Response: 2711466
Conc: 19.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.157 min
Delta R.T.: -0.011 min
Response: 2201812
Conc: 19.50 ug/ml m



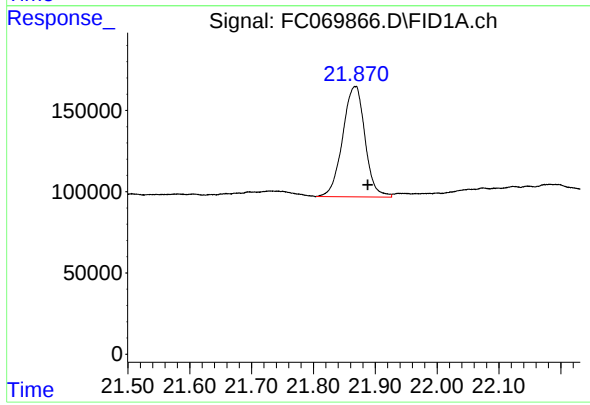
#21 n-Octatriacontane (C38)

R.T.: 20.914 min
Delta R.T.: -0.016 min
Response: 1841657
Conc: 19.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.866 min
Delta R.T.: -0.021 min
Response: 1703885
Conc: 19.78 ug/ml