

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121423AL\
 Data File : FC065471.D
 Signal(s) : FID1A.ch
 Acq On : 15 Dec 2023 09:34
 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 12/15/2023
 Supervised By :Ankita Jodhani 12/15/2023

Integration File: autoint1.e
 Quant Time: Dec 15 10:51:22 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 112423.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 24 13:28:29 2023
 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)	11.504	4396711	18.951 ug/ml
Spiked Amount 50.000		Recovery =	37.90%
12) S 1-chlorooctadecane (S...	12.936	3212530	19.401 ug/ml
Spiked Amount 50.000		Recovery =	38.80%
Target Compounds			
1) T n-Nonane (C9)	3.300	3770188	18.828 ug/ml
2) T n-Decane (C10)	4.360	3919486	19.501 ug/ml
3) T A~Naphthalene (C11.7)	5.943	3936610	19.389 ug/ml
4) T n-Dodecane (C12)	6.372	3975054	19.547 ug/ml
5) T A~2-methylnaphthalene...	6.997	3850956	19.813 ug/ml
6) T n-Tetradecane (C14)	8.162	3838887	19.317 ug/ml
7) T n-Hexadecane (C16)	9.756	3816594	19.267 ug/ml
8) T n-Octadecane (C18)	11.191	3796503	19.168 ug/ml
10) T n-Eicosane (C20)	12.494	3630311	19.184 ug/ml
11) T n-Heneicosane (C21)	13.102	3512025	19.007 ug/ml
13) T n-Docosane (C22)	13.687	3526767	19.549 ug/ml
14) T n-Tetracosane (C24)	14.785	3582447	20.663 ug/ml
15) T n-Hexacosane (C26)	15.800	3503921	21.043 ug/ml
16) T n-Octacosane (C28)	16.746	3535449	22.104 ug/ml
17) T n-Tricontane (C30)	17.630	3755561	23.586 ug/mlm
18) T n-Dotriacontane (C32)	18.460	3787006	24.090 ug/ml
19) T n-Tetratriacontane (C34)	19.241	3622886	23.477 ug/mlm
20) T n-Hexatriacontane (C36)	19.975	3630123	23.682 ug/mlm
21) T n-Octatriacontane (C38)	20.695	2697671	17.741 ug/mlm
22) T n-Tetracontane (C40)	21.568	3409512	22.744 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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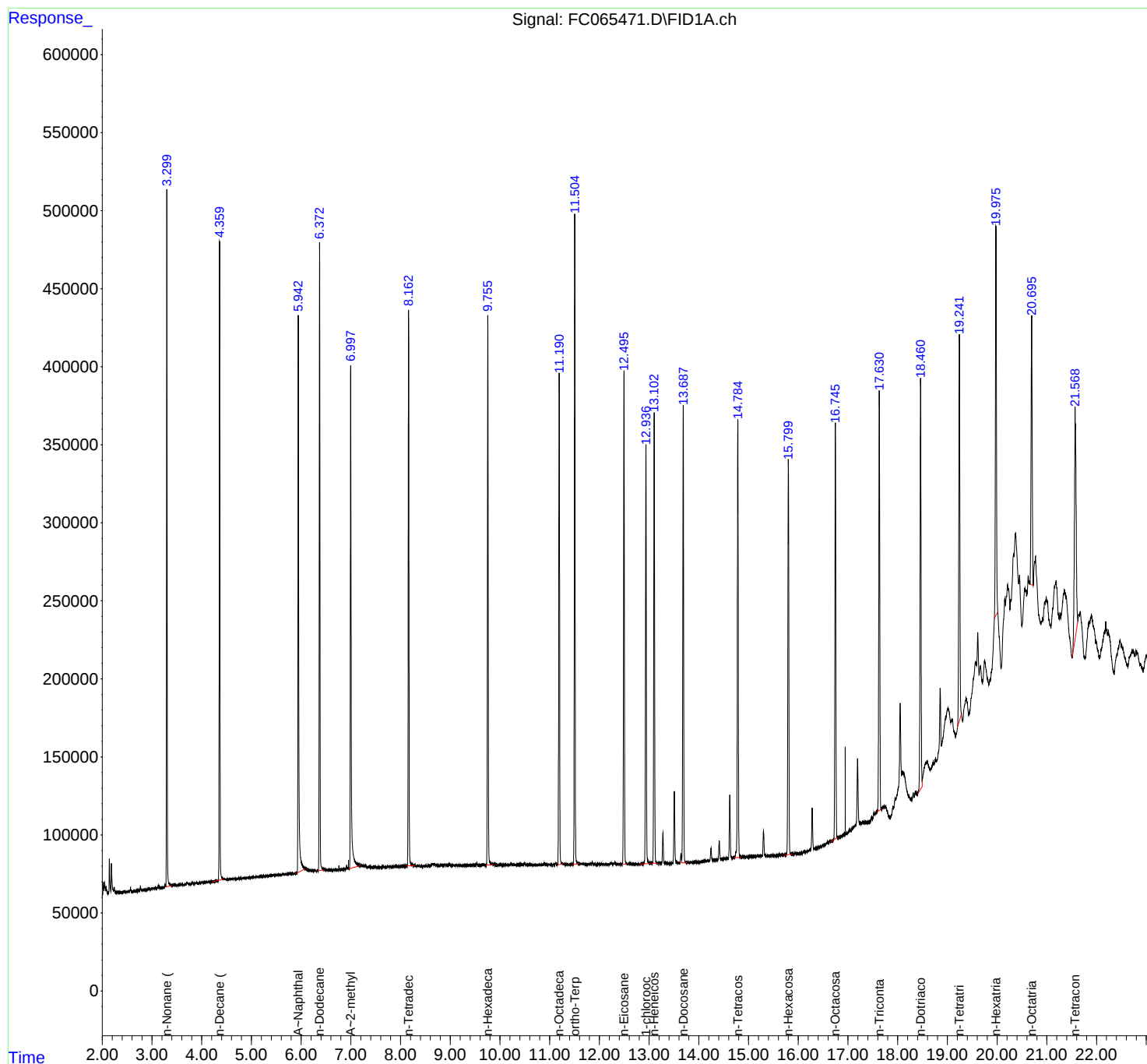
Instrument :
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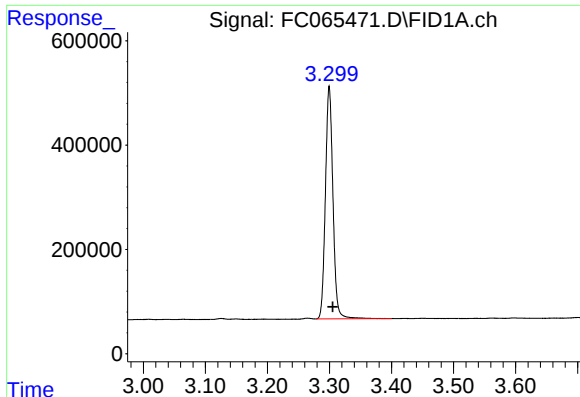
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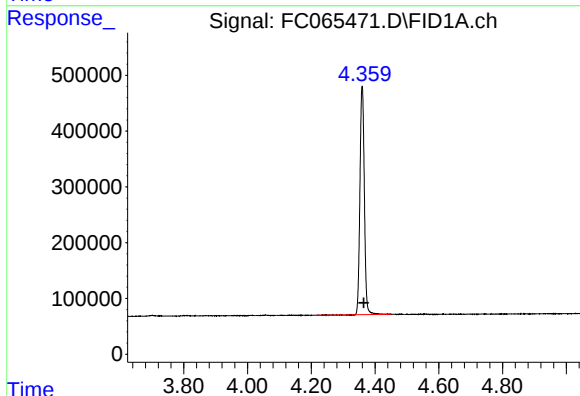
#1 n-Nonane (C9)

R.T.: 3.300 min
Delta R.T.: -0.005 min
Response: 3770188
Conc: 18.83 ug/ml

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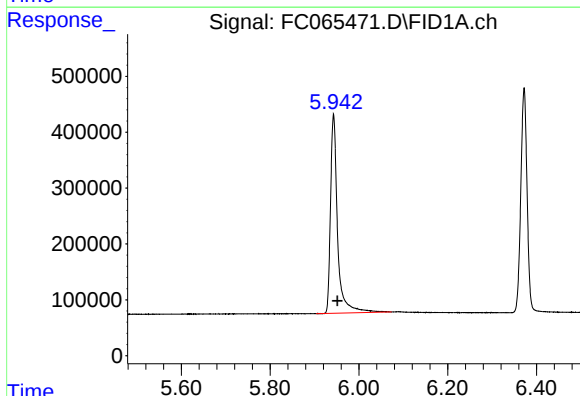
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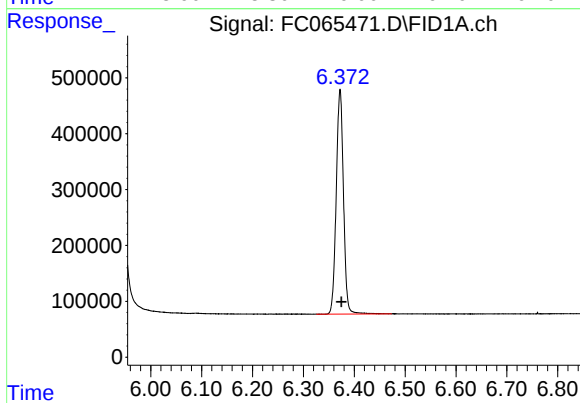
#2 n-Decane (C10)

R.T.: 4.360 min
Delta R.T.: -0.005 min
Response: 3919486
Conc: 19.50 ug/ml



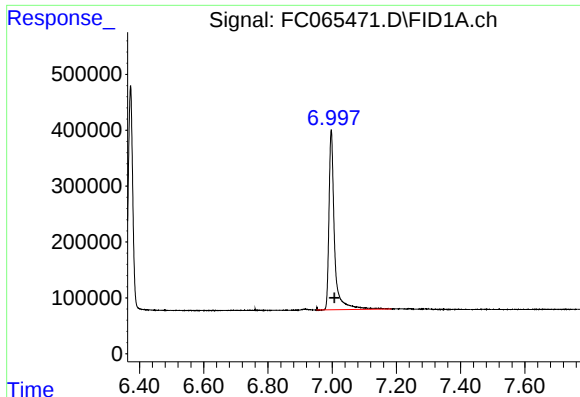
#3 A~Naphthalene (C11.7)

R.T.: 5.943 min
Delta R.T.: -0.009 min
Response: 3936610
Conc: 19.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.372 min
Delta R.T.: -0.002 min
Response: 3975054
Conc: 19.55 ug/ml



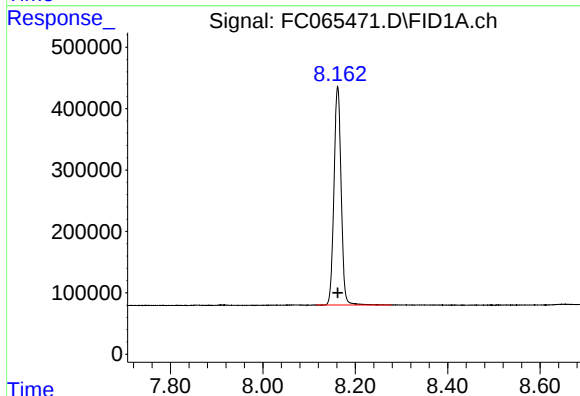
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.997 min
Delta R.T.: -0.010 min
Response: 3850956
Conc: 19.81 ug/ml

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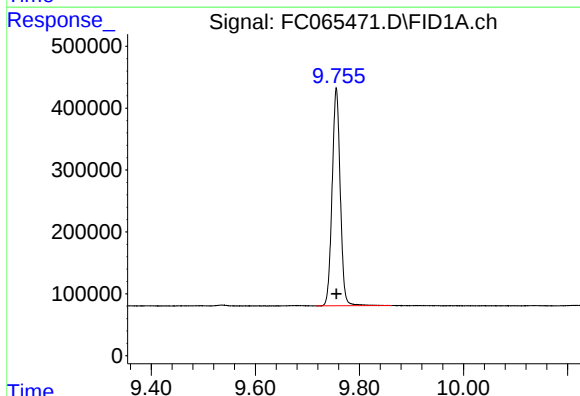
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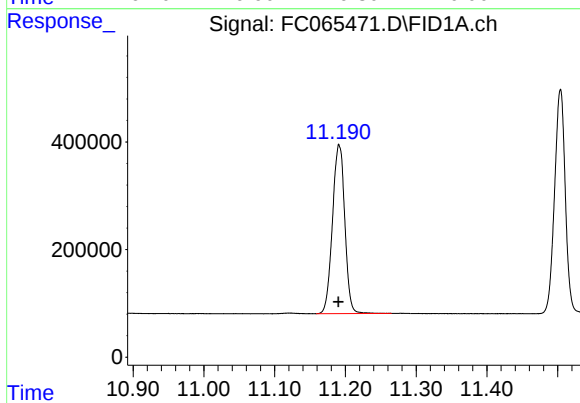
#6 n-Tetradecane (C14)

R.T.: 8.162 min
Delta R.T.: 0.000 min
Response: 3838887
Conc: 19.32 ug/ml



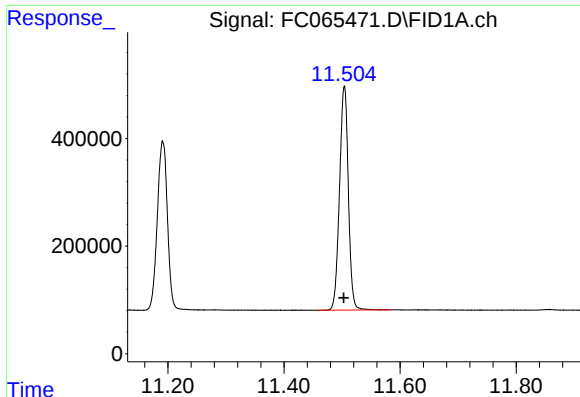
#7 n-Hexadecane (C16)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 3816594
Conc: 19.27 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.191 min
Delta R.T.: 0.001 min
Response: 3796503
Conc: 19.17 ug/ml



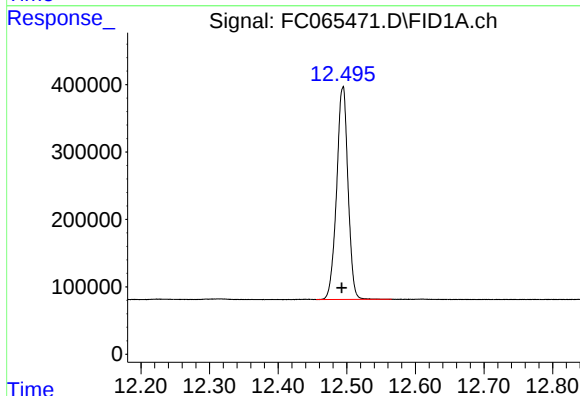
#9 ortho-Terphenyl (SURR)

R.T.: 11.504 min
Delta R.T.: 0.000 min
Response: 4396711
Conc: 18.95 ug/ml

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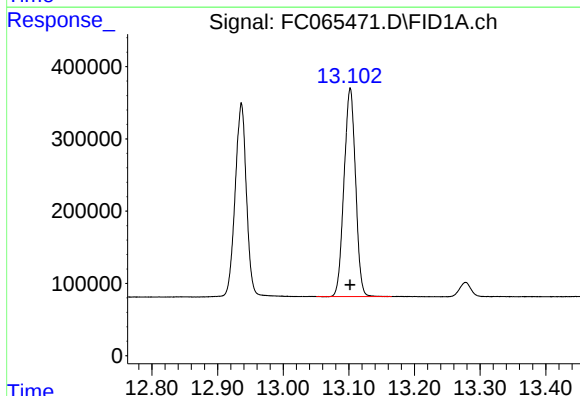
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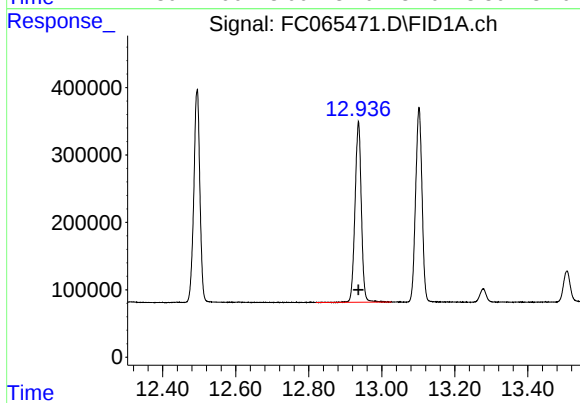
#10 n-Eicosane (C20)

R.T.: 12.494 min
Delta R.T.: 0.002 min
Response: 3630311
Conc: 19.18 ug/ml



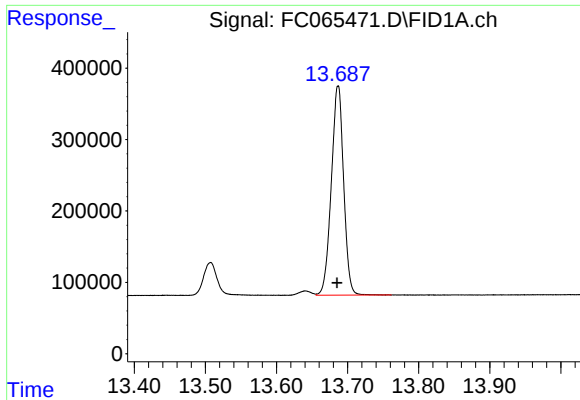
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 3512025
Conc: 19.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 3212530
Conc: 19.40 ug/ml



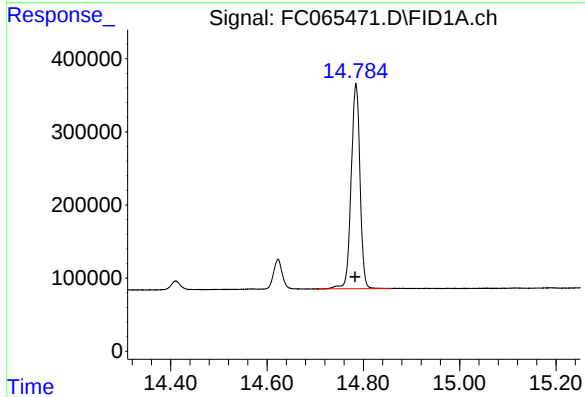
#13 n-Docosane (C22)

R.T.: 13.687 min
Delta R.T.: 0.002 min
Response: 3526767
Conc: 19.55 ug/ml

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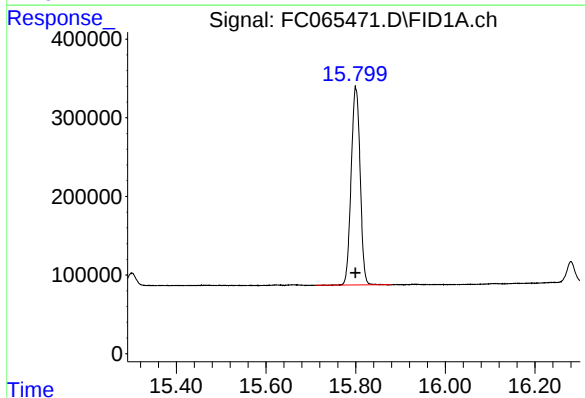
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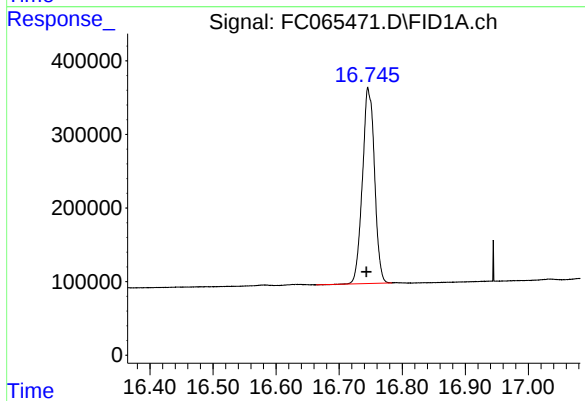
#14 n-Tetracosane (C24)

R.T.: 14.785 min
Delta R.T.: 0.002 min
Response: 3582447
Conc: 20.66 ug/ml



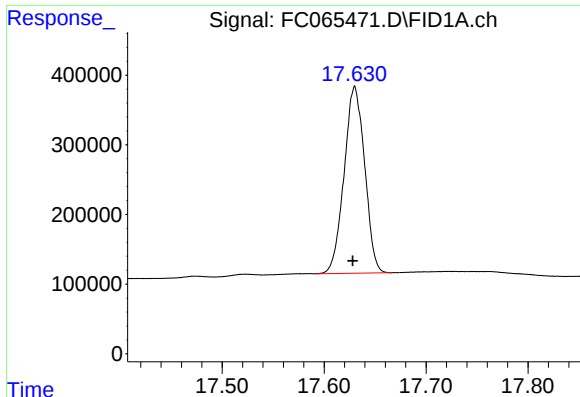
#15 n-Hexacosane (C26)

R.T.: 15.800 min
Delta R.T.: 0.001 min
Response: 3503921
Conc: 21.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.746 min
Delta R.T.: 0.002 min
Response: 3535449
Conc: 22.10 ug/ml



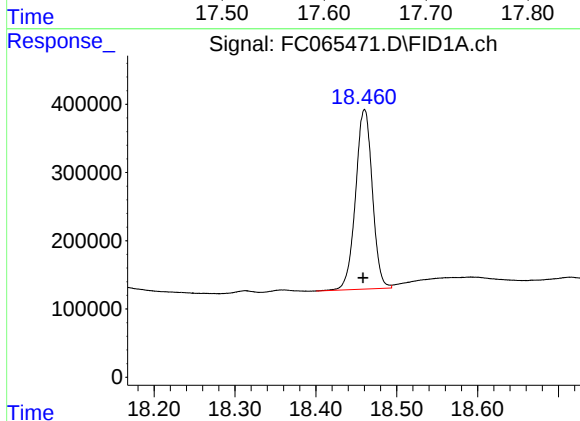
#17 n-Tricontane (C30)

R.T.: 17.630 min
Delta R.T.: 0.002 min
Response: 3755561
Conc: 23.59 ug/ml

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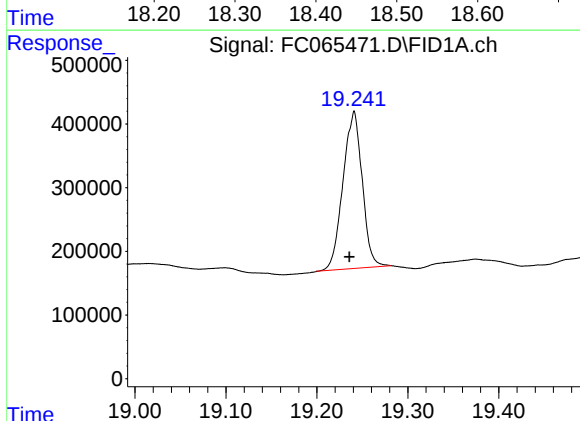
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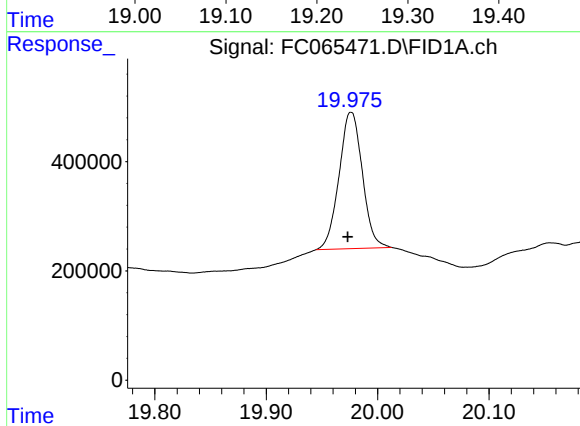
#18 n-Dotriacontane (C32)

R.T.: 18.460 min
Delta R.T.: 0.002 min
Response: 3787006
Conc: 24.09 ug/ml



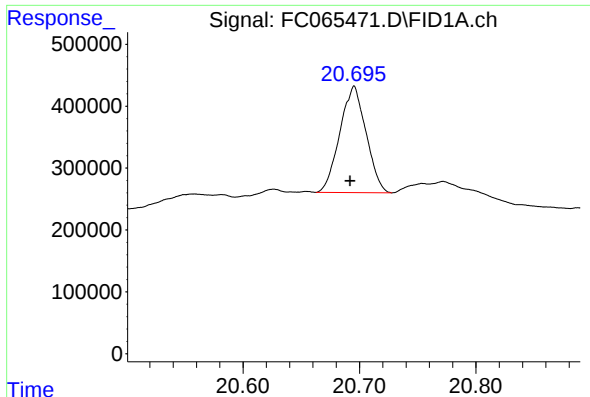
#19 n-Tetratriacontane (C34)

R.T.: 19.241 min
Delta R.T.: 0.005 min
Response: 3622886
Conc: 23.48 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.975 min
Delta R.T.: 0.002 min
Response: 3630123
Conc: 23.68 ug/ml m



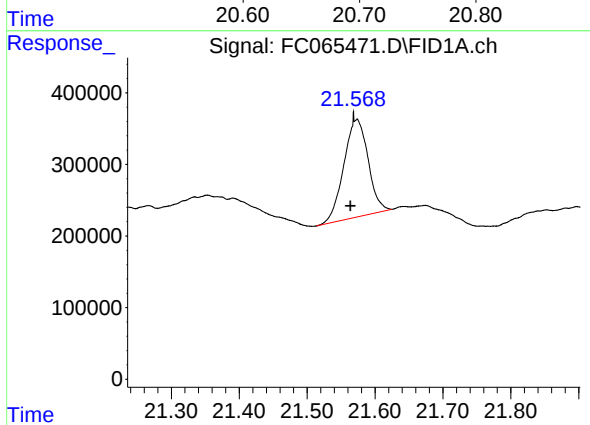
#21 n-Octatriacontane (C38)

R.T.: 20.695 min
Delta R.T.: 0.003 min
Response: 2697671
Conc: 17.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.568 min
Delta R.T.: 0.004 min
Response: 3409512
Conc: 22.74 ug/ml m