

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
 Data File : FC068249.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 13:58
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/11/2025
 Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
 Quant Time: Feb 10 23:17:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 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)	11.400	3180327	20.352 ug/ml
Spiked Amount 50.000		Recovery =	40.70%
12) S 1-chlorooctadecane (S...	12.842	2357094	20.496 ug/ml
Spiked Amount 50.000		Recovery =	40.99%
Target Compounds			
1) T n-Nonane (C9)	3.208	2913780	21.279 ug/ml
2) T n-Decane (C10)	4.265	2989521	21.533 ug/ml
3) T A~Naphthalene (C11.7)	5.833	3245866	21.621 ug/ml
4) T n-Dodecane (C12)	6.274	2967775	21.244 ug/ml
5) T A~2-methylnaphthalene...	6.885	3024211	21.055 ug/ml
6) T n-Tetradecane (C14)	8.062	2862370	20.973 ug/ml
7) T n-Hexadecane (C16)	9.658	2885261	20.765 ug/ml
8) T n-Octadecane (C18)	11.096	2881442	20.594 ug/ml
10) T n-Eicosane (C20)	12.401	2743470	20.504 ug/ml
11) T n-Heneicosane (C21)	13.012	2687289	20.461 ug/ml
13) T n-Docosane (C22)	13.597	2665348	20.576 ug/mlm
14) T n-Tetracosane (C24)	14.697	2655721	20.685 ug/ml
15) T n-Hexacosane (C26)	15.716	2614423	20.776 ug/ml
16) T n-Octacosane (C28)	16.664	2597250	20.766 ug/ml
17) T n-Tricontane (C30)	17.549	2676356	20.706 ug/ml
18) T n-Dotriacontane (C32)	18.381	2602849	20.821 ug/ml
19) T n-Tetratriacontane (C34)	19.162	2285341	21.068 ug/ml
20) T n-Hexatriacontane (C36)	19.903	1989135	21.494 ug/mlm
21) T n-Octatriacontane (C38)	20.610	1884341	21.991 ug/mlm
22) T n-Tetracontane (C40)	21.463	1836481	22.712 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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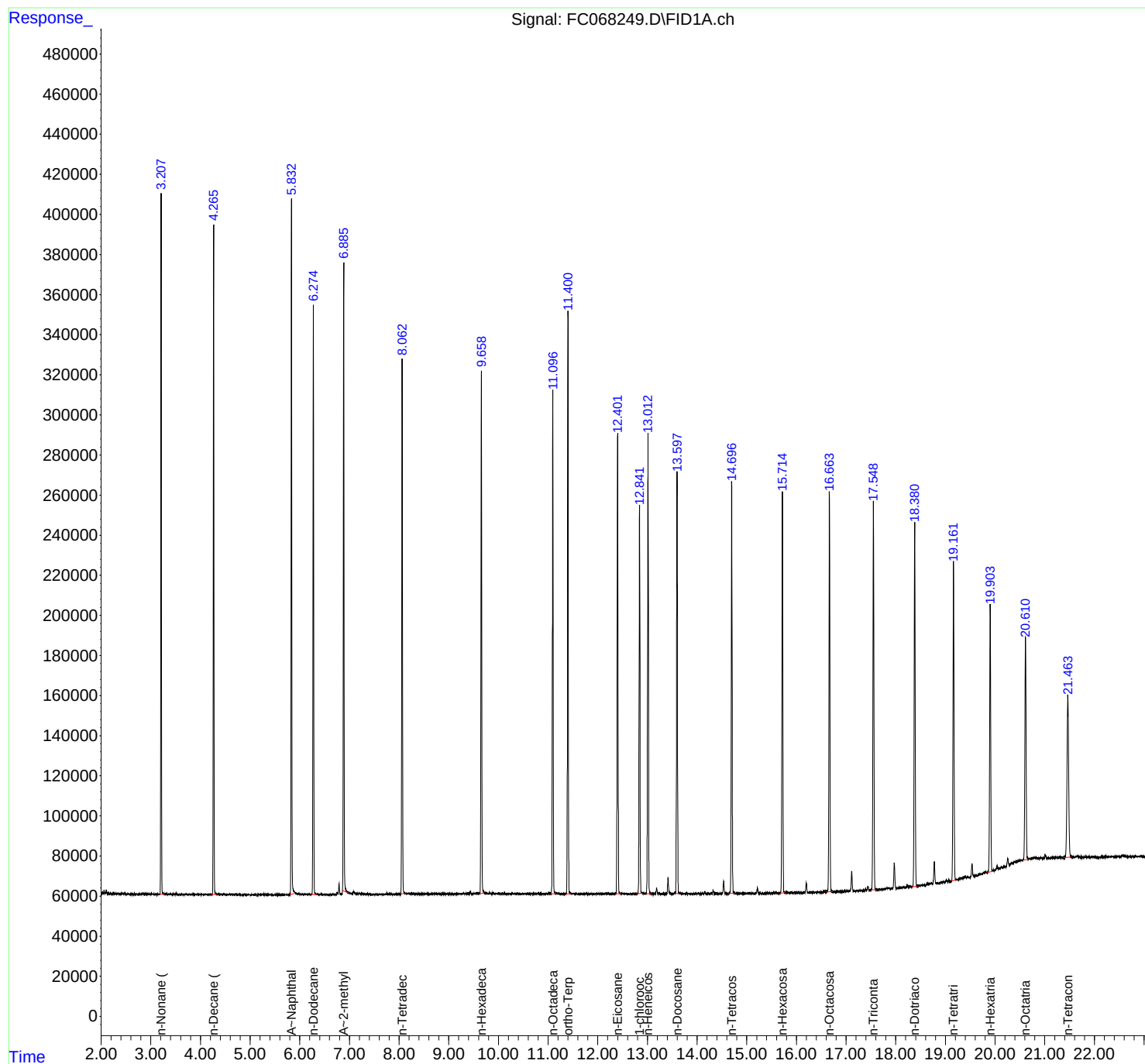
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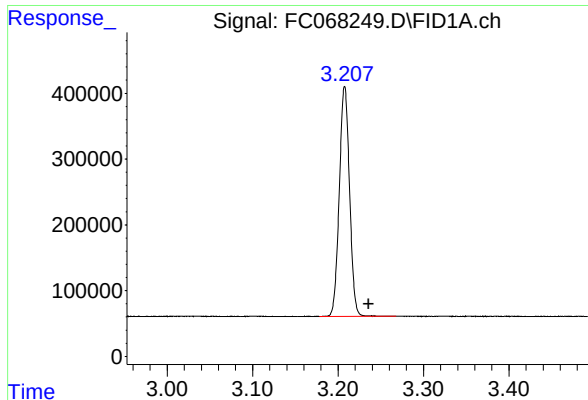
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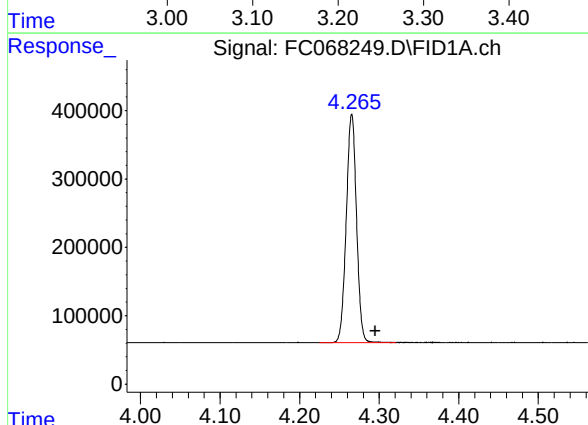
#1 n-Nonane (C9)

R.T.: 3.208 min
Delta R.T.: -0.028 min
Response: 2913780
Conc: 21.28 ug/ml

Instrument : FID_C
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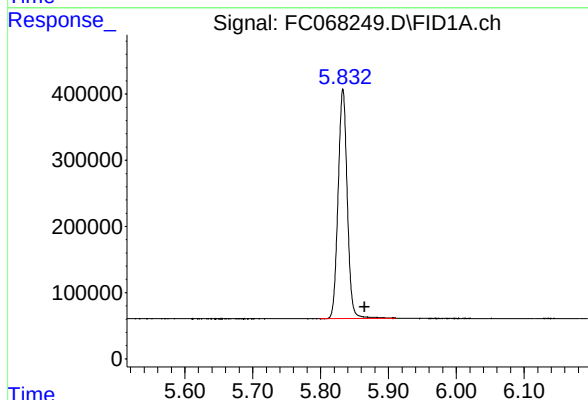
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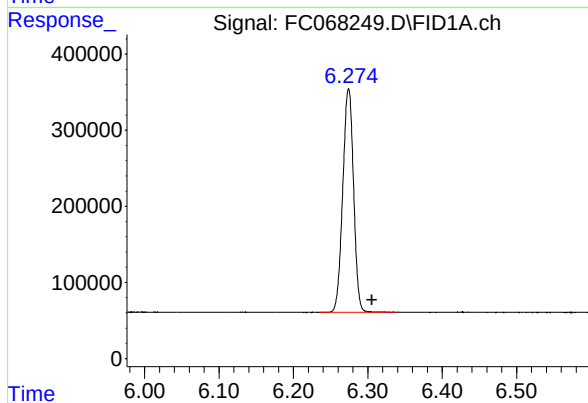
#2 n-Decane (C10)

R.T.: 4.265 min
Delta R.T.: -0.030 min
Response: 2989521
Conc: 21.53 ug/ml



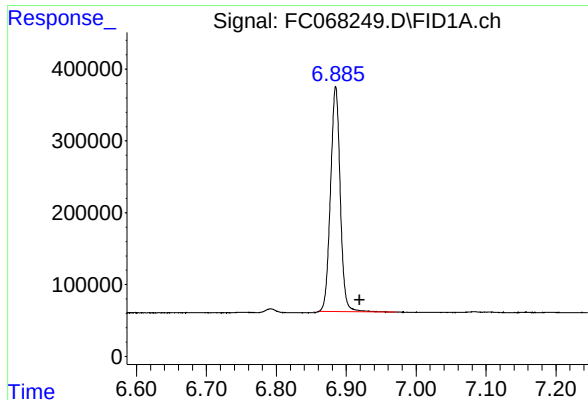
#3 A~Naphthalene (C11.7)

R.T.: 5.833 min
Delta R.T.: -0.032 min
Response: 3245866
Conc: 21.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.274 min
Delta R.T.: -0.031 min
Response: 2967775
Conc: 21.24 ug/ml



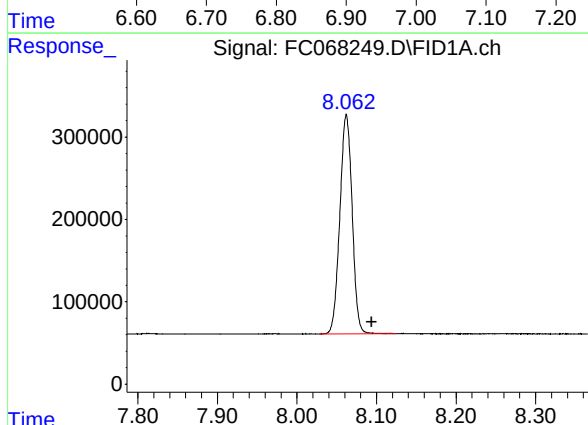
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.885 min
Delta R.T.: -0.034 min
Response: 3024211
Conc: 21.06 ug/ml

Instrument : FID_C
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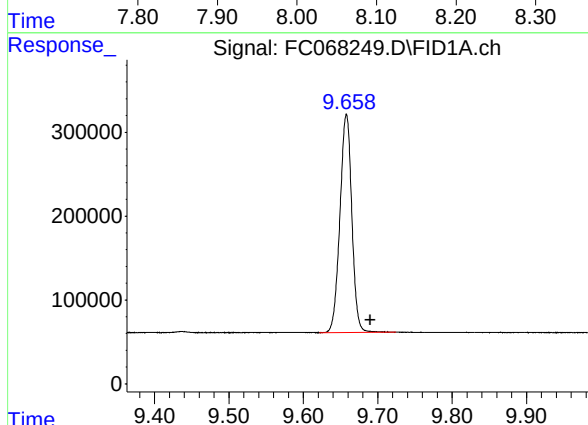
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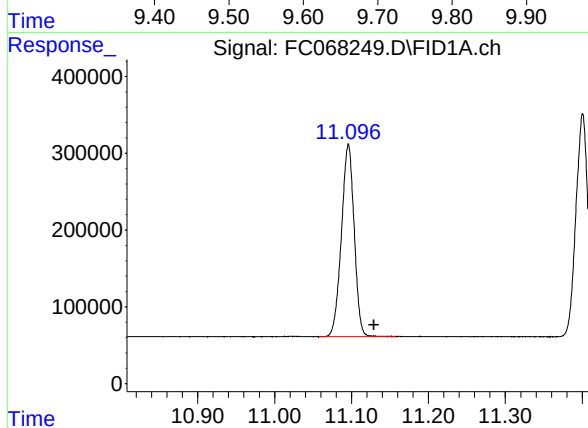
#6 n-Tetradecane (C14)

R.T.: 8.062 min
Delta R.T.: -0.032 min
Response: 2862370
Conc: 20.97 ug/ml



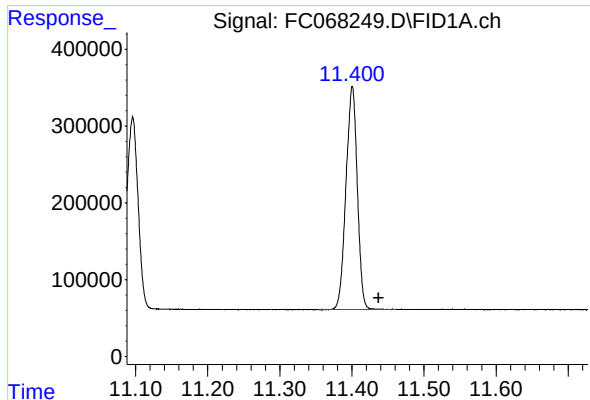
#7 n-Hexadecane (C16)

R.T.: 9.658 min
Delta R.T.: -0.032 min
Response: 2885261
Conc: 20.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.096 min
Delta R.T.: -0.034 min
Response: 2881442
Conc: 20.59 ug/ml



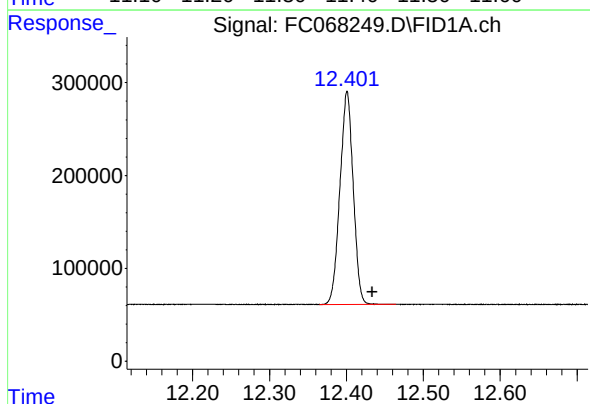
#9 ortho-Terphenyl (SURR)

R.T.: 11.400 min
Delta R.T.: -0.037 min
Response: 3180327
Conc: 20.35 ug/ml

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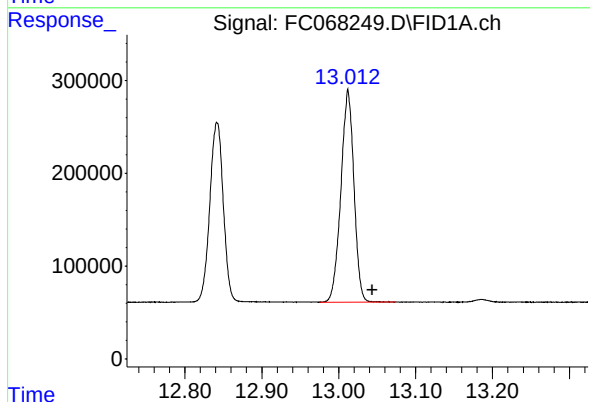
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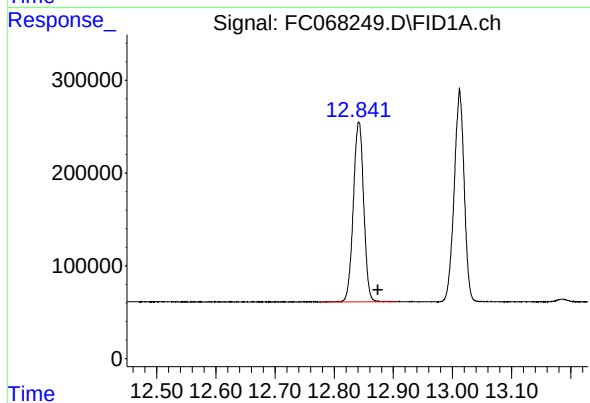
#10 n-Eicosane (C20)

R.T.: 12.401 min
Delta R.T.: -0.033 min
Response: 2743470
Conc: 20.50 ug/ml



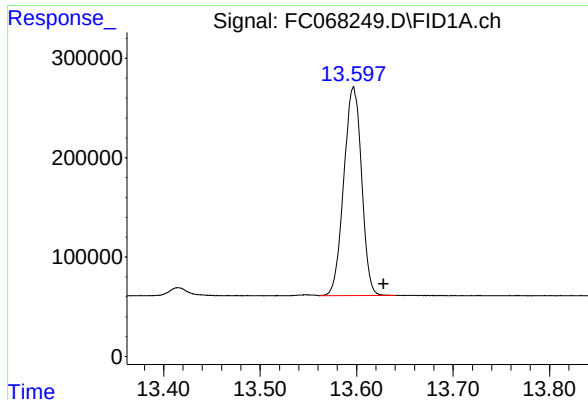
#11 n-Heneicosane (C21)

R.T.: 13.012 min
Delta R.T.: -0.032 min
Response: 2687289
Conc: 20.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.842 min
Delta R.T.: -0.032 min
Response: 2357094
Conc: 20.50 ug/ml



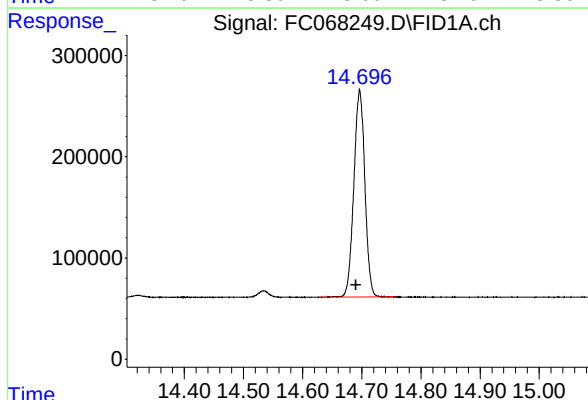
#13 n-Docosane (C22)

R.T.: 13.597 min
Delta R.T.: -0.031 min
Response: 2665348
Conc: 20.58 ug/ml

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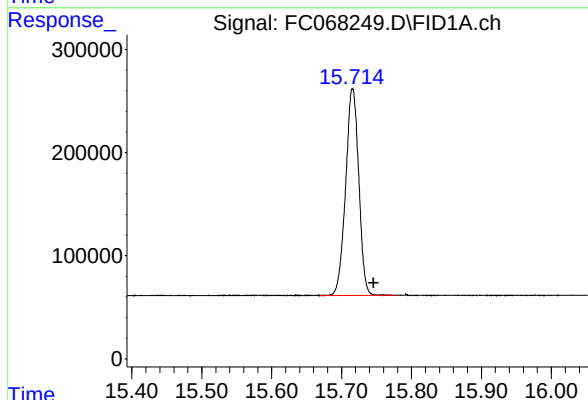
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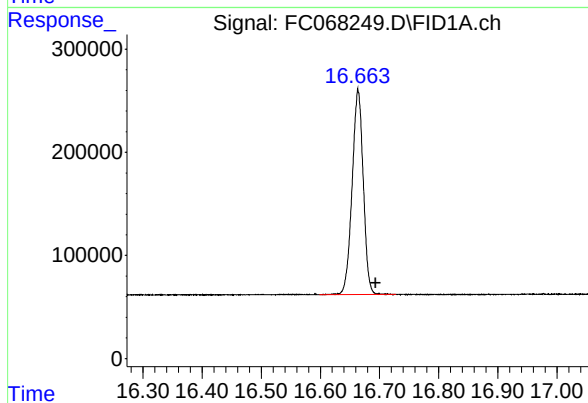
#14 n-Tetracosane (C24)

R.T.: 14.697 min
Delta R.T.: 0.007 min
Response: 2655721
Conc: 20.69 ug/ml



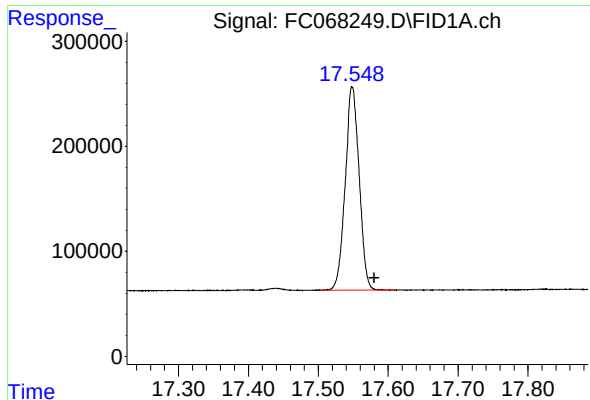
#15 n-Hexacosane (C26)

R.T.: 15.716 min
Delta R.T.: -0.030 min
Response: 2614423
Conc: 20.78 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.664 min
Delta R.T.: -0.030 min
Response: 2597250
Conc: 20.77 ug/ml



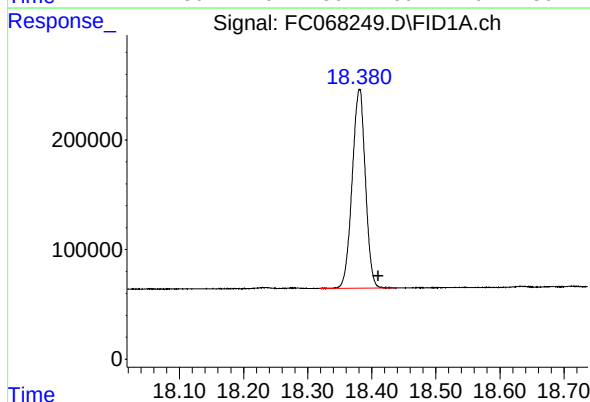
#17 n-Tricontane (C30)

R.T.: 17.549 min
Delta R.T.: -0.032 min
Response: 2676356
Conc: 20.71 ug/ml

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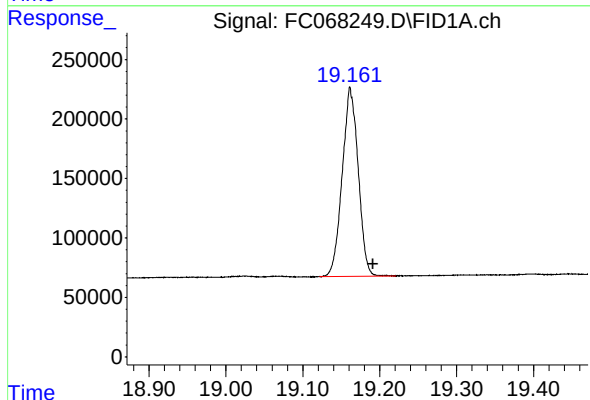
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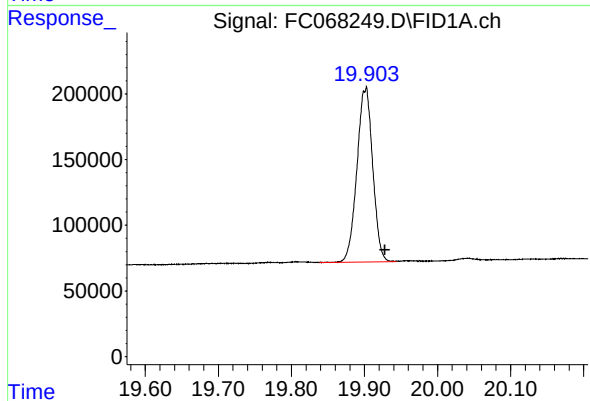
#18 n-Dotriacontane (C32)

R.T.: 18.381 min
Delta R.T.: -0.030 min
Response: 2602849
Conc: 20.82 ug/ml



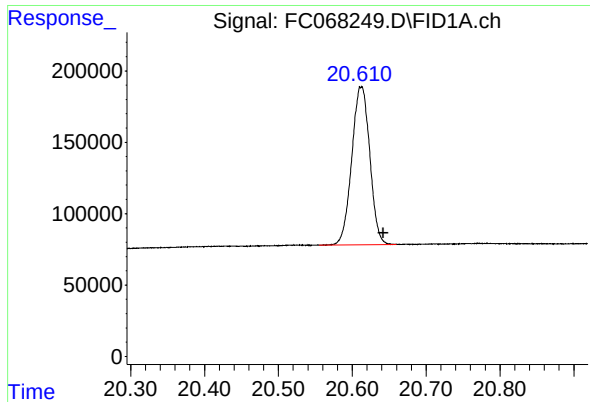
#19 n-Tetatriacontane (C34)

R.T.: 19.162 min
Delta R.T.: -0.029 min
Response: 2285341
Conc: 21.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.903 min
Delta R.T.: -0.026 min
Response: 1989135
Conc: 21.49 ug/ml m



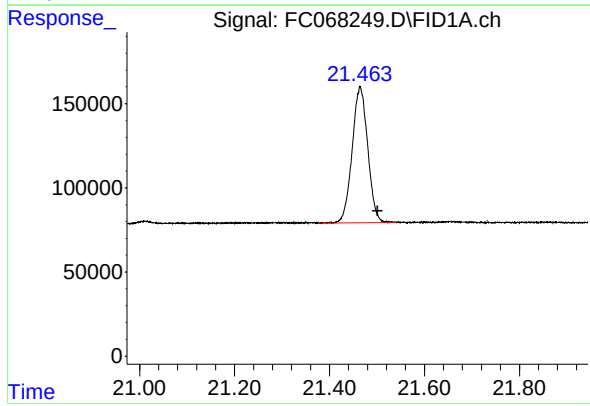
#21 n-Octatriacontane (C38)

R.T.: 20.610 min
Delta R.T.: -0.032 min
Response: 1884341
Conc: 21.99 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.463 min
Delta R.T.: -0.038 min
Response: 1836481
Conc: 22.71 ug/ml m