

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060624AL\
 Data File : FC066549.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2024 12:26
 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 06/07/2024
 Supervised By :Ankita Jodhani 06/07/2024

Integration File: autoint1.e
 Quant Time: Jun 07 04:02:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052824.M
 Quant Title : GC Extractables
 QLast Update : Tue May 28 12:26:07 2024
 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)	11.553	2977359	19.588 ug/ml
Spiked Amount 50.000		Recovery =	39.18%
12) S 1-chlorooctadecane (S...	12.993	2252345	19.711 ug/ml
Spiked Amount 50.000		Recovery =	39.42%
Target Compounds			
1) T n-Nonane (C9)	3.308	2713504	19.388 ug/ml
2) T n-Decane (C10)	4.378	2779912	19.320 ug/ml
3) T A~Naphthalene (C11.7)	5.961	3064691	19.232 ug/ml
4) T n-Dodecane (C12)	6.399	2790015	19.376 ug/ml
5) T A~2-methylnaphthalene...	7.019	2956655	19.279 ug/ml
6) T n-Tetradecane (C14)	8.195	2745743	19.449 ug/ml
7) T n-Hexadecane (C16)	9.796	2822470	19.639 ug/ml
8) T n-Octadecane (C18)	11.239	2823924	19.733 ug/ml
10) T n-Eicosane (C20)	12.549	2687832	19.754 ug/ml
11) T n-Heneicosane (C21)	13.160	2632662	19.749 ug/ml
13) T n-Docosane (C22)	13.747	2622369	19.897 ug/ml
14) T n-Tetracosane (C24)	14.849	2604422	20.007 ug/ml
15) T n-Hexacosane (C26)	15.871	2561247	20.139 ug/ml
16) T n-Octacosane (C28)	16.819	2552917	20.563 ug/ml
17) T n-Tricontane (C30)	17.709	2655135	21.068 ug/ml
18) T n-Dotriacontane (C32)	18.541	2631385	21.380 ug/ml
19) T n-Tetratriacontane (C34)	19.323	2524307	21.049 ug/mlm
20) T n-Hexatriacontane (C36)	20.065	2389296	19.721 ug/ml
21) T n-Octatriacontane (C38)	20.800	2321054	20.064 ug/ml
22) T n-Tetracontane (C40)	21.707	2254956	18.409 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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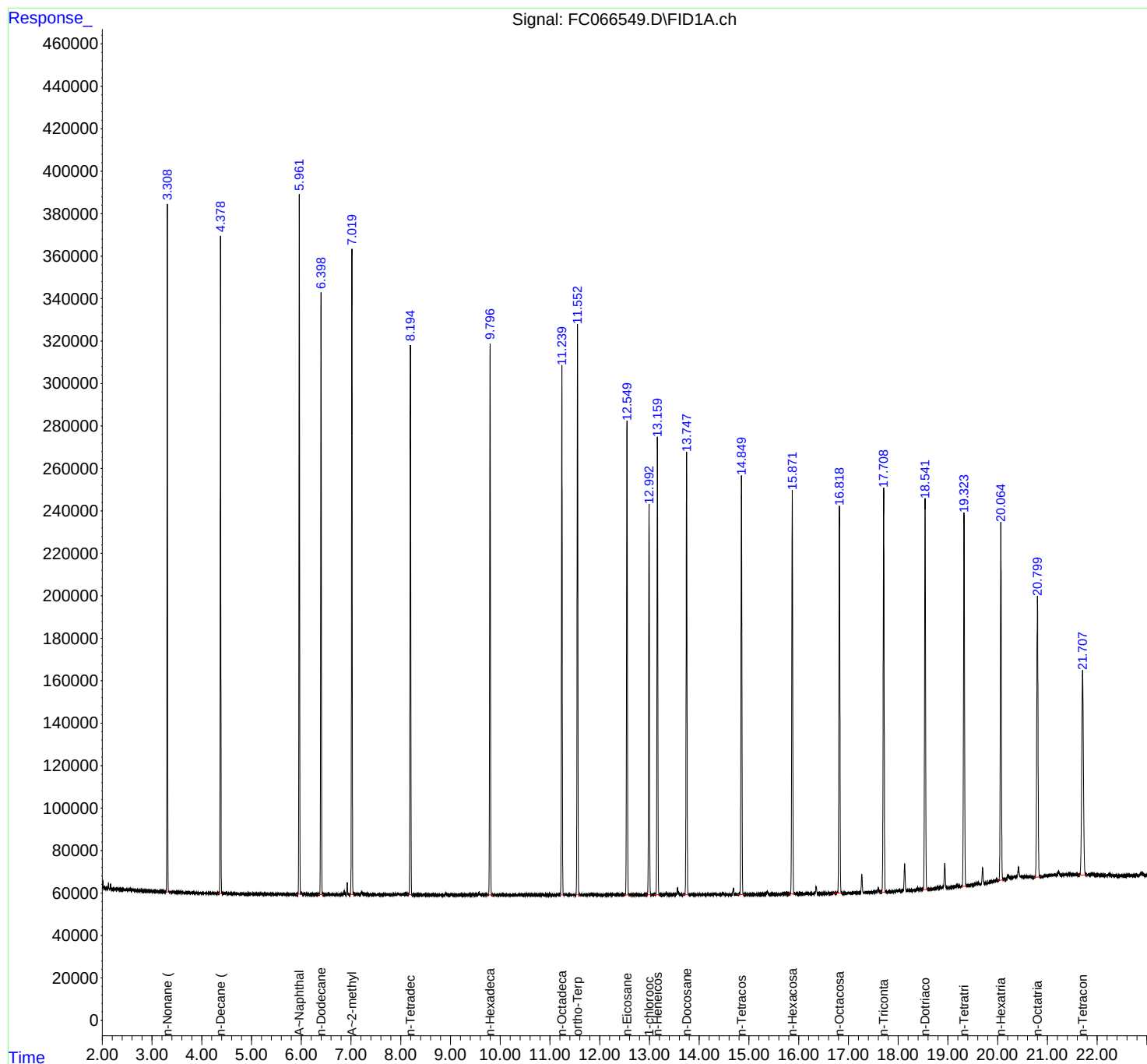
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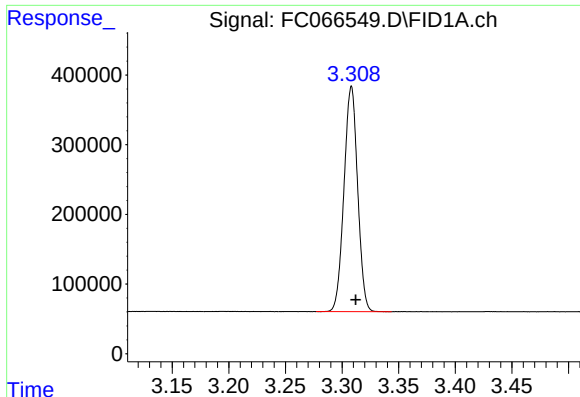
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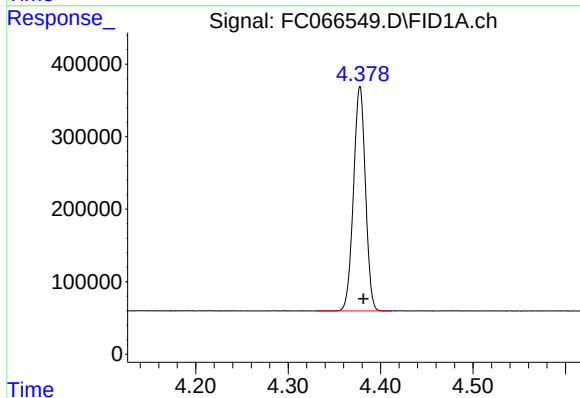
#1 n-Nonane (C9)

R.T.: 3.308 min
Delta R.T.: -0.004 min
Response: 2713504
Conc: 19.39 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

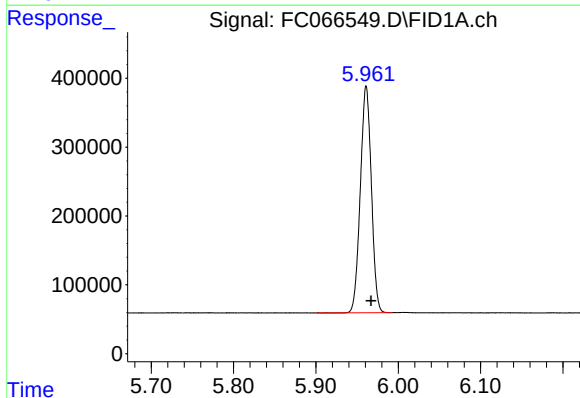
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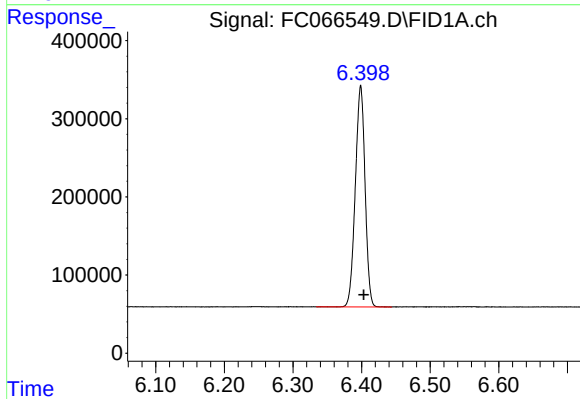
#2 n-Decane (C10)

R.T.: 4.378 min
Delta R.T.: -0.004 min
Response: 2779912
Conc: 19.32 ug/ml



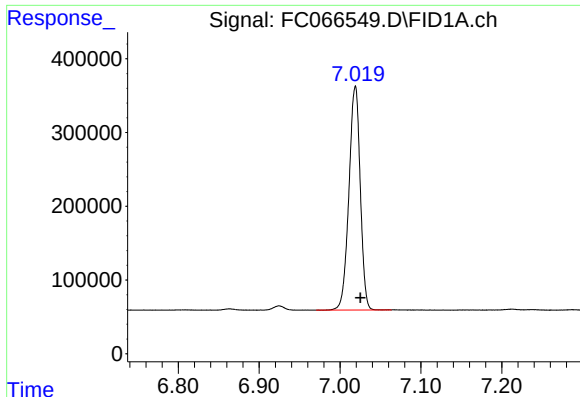
#3 A~Naphthalene (C11.7)

R.T.: 5.961 min
Delta R.T.: -0.006 min
Response: 3064691
Conc: 19.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.399 min
Delta R.T.: -0.005 min
Response: 2790015
Conc: 19.38 ug/ml



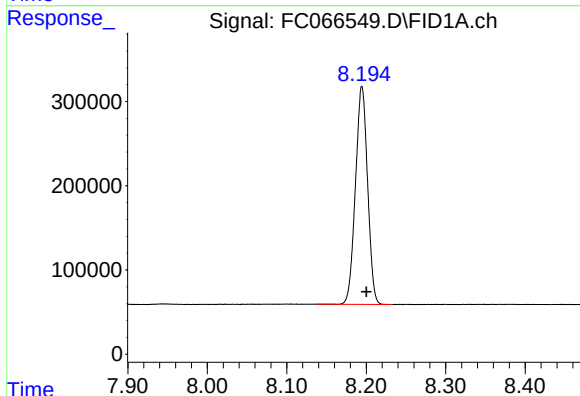
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.019 min
Delta R.T.: -0.006 min
Response: 2956655
Conc: 19.28 ug/ml

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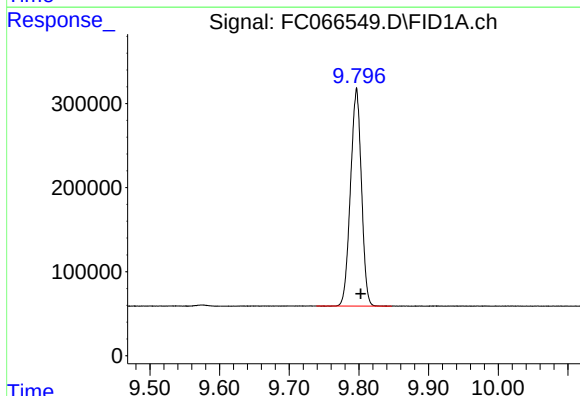
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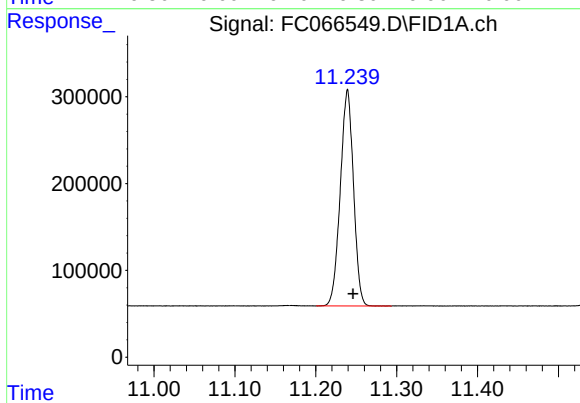
#6 n-Tetradecane (C14)

R.T.: 8.195 min
Delta R.T.: -0.006 min
Response: 2745743
Conc: 19.45 ug/ml



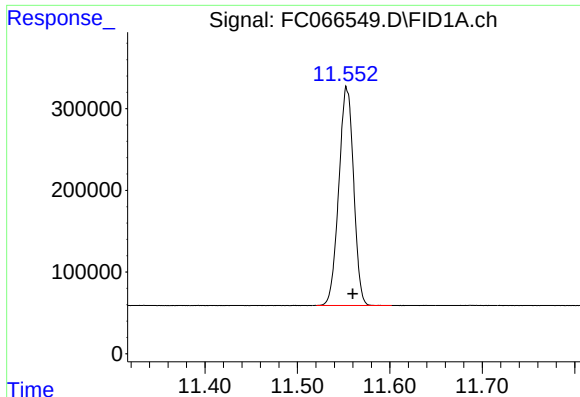
#7 n-Hexadecane (C16)

R.T.: 9.796 min
Delta R.T.: -0.006 min
Response: 2822470
Conc: 19.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.239 min
Delta R.T.: -0.007 min
Response: 2823924
Conc: 19.73 ug/ml



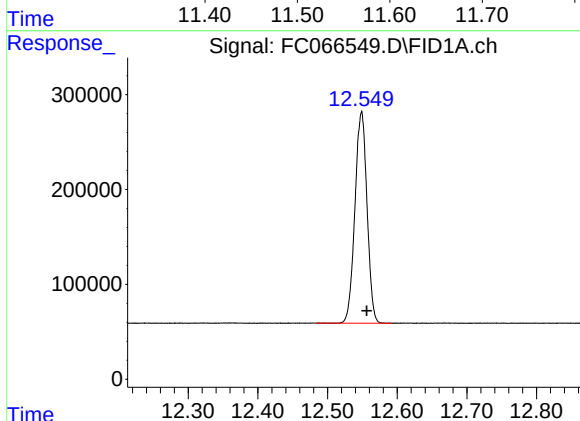
#9 ortho-Terphenyl (SURR)

R.T.: 11.553 min
Delta R.T.: -0.006 min
Response: 2977359
Conc: 19.59 ug/ml

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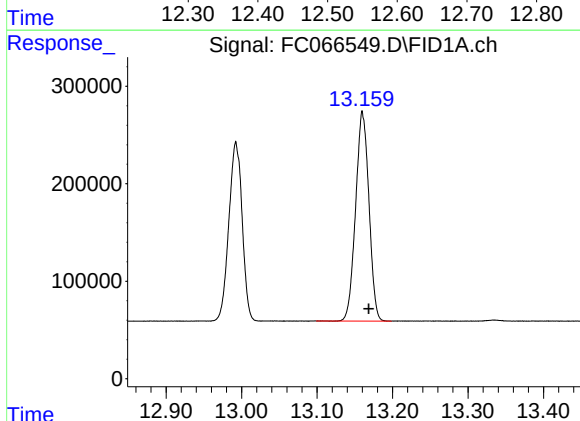
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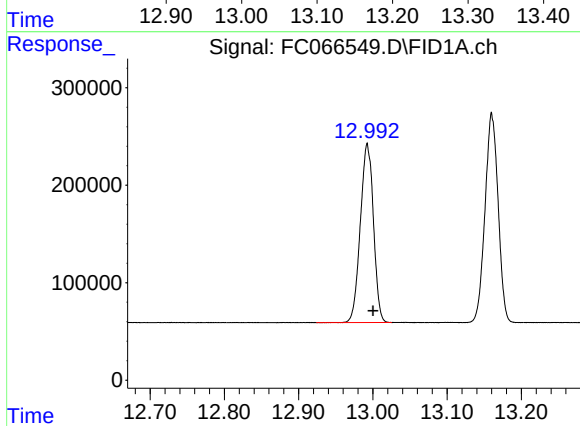
#10 n-Eicosane (C20)

R.T.: 12.549 min
Delta R.T.: -0.008 min
Response: 2687832
Conc: 19.75 ug/ml



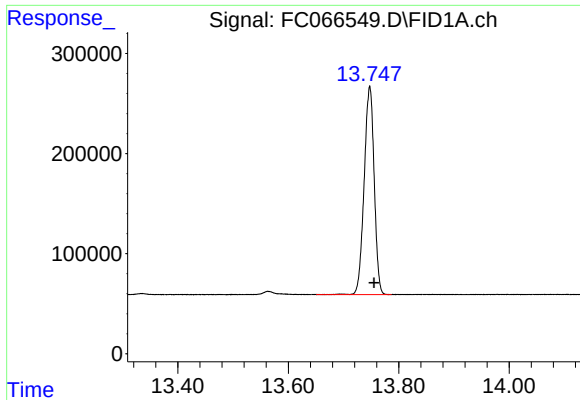
#11 n-Heneicosane (C21)

R.T.: 13.160 min
Delta R.T.: -0.008 min
Response: 2632662
Conc: 19.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.993 min
Delta R.T.: -0.007 min
Response: 2252345
Conc: 19.71 ug/ml



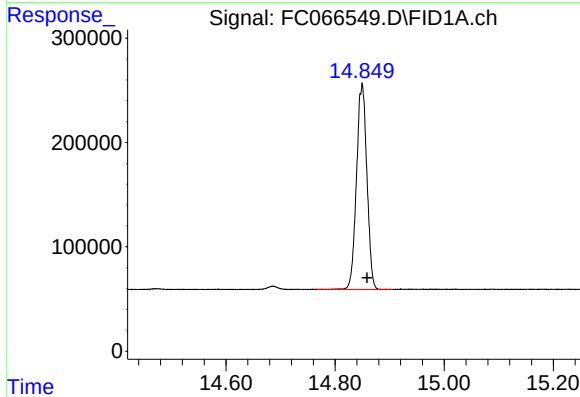
#13 n-Docosane (C22)

R.T.: 13.747 min
Delta R.T.: -0.008 min
Response: 2622369
Conc: 19.90 ug/ml

Instrument :
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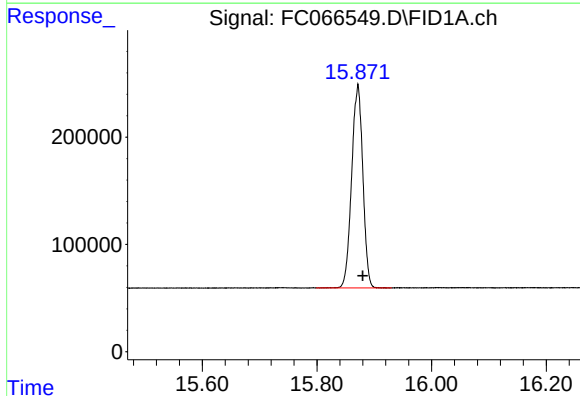
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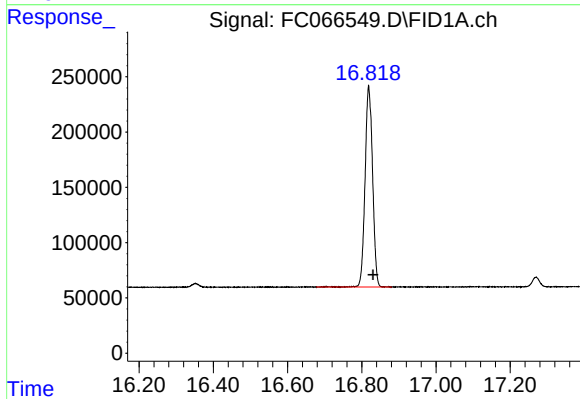
#14 n-Tetracosane (C24)

R.T.: 14.849 min
Delta R.T.: -0.009 min
Response: 2604422
Conc: 20.01 ug/ml



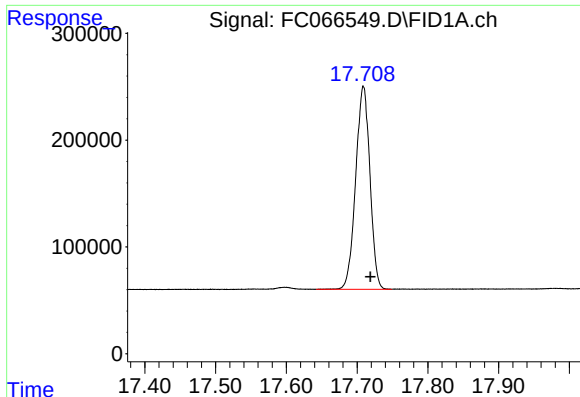
#15 n-Hexacosane (C26)

R.T.: 15.871 min
Delta R.T.: -0.009 min
Response: 2561247
Conc: 20.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.819 min
Delta R.T.: -0.011 min
Response: 2552917
Conc: 20.56 ug/ml



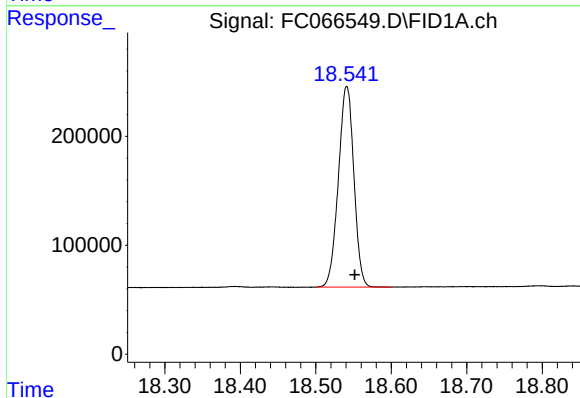
#17 n-Tricontane (C30)

R.T.: 17.709 min
Delta R.T.: -0.010 min
Response: 2655135
Conc: 21.07 ug/ml

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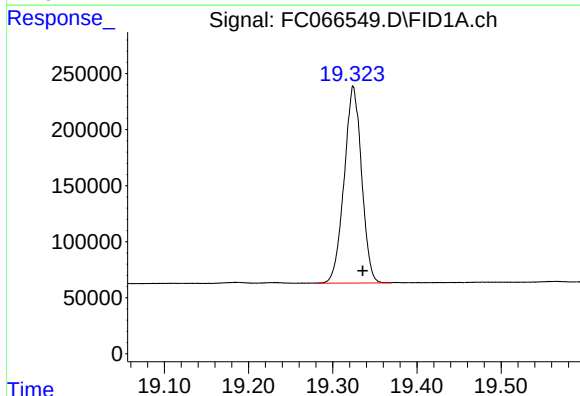
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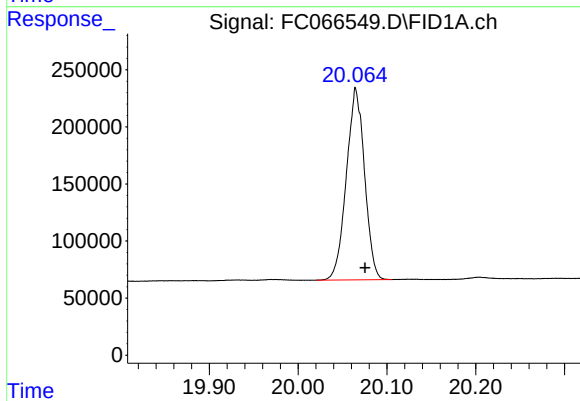
#18 n-Dotriacontane (C32)

R.T.: 18.541 min
Delta R.T.: -0.011 min
Response: 2631385
Conc: 21.38 ug/ml



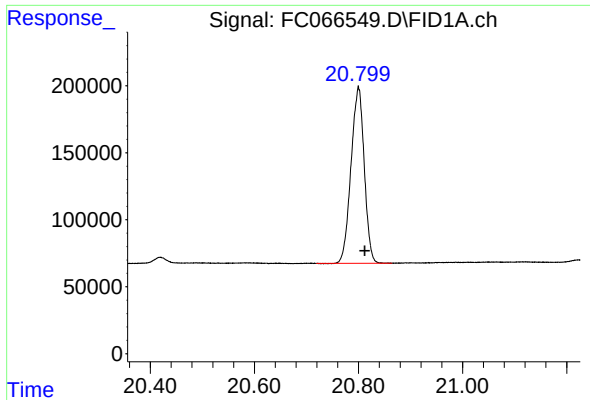
#19 n-Tetratriacontane (C34)

R.T.: 19.323 min
Delta R.T.: -0.012 min
Response: 2524307
Conc: 21.05 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.065 min
Delta R.T.: -0.010 min
Response: 2389296
Conc: 19.72 ug/ml



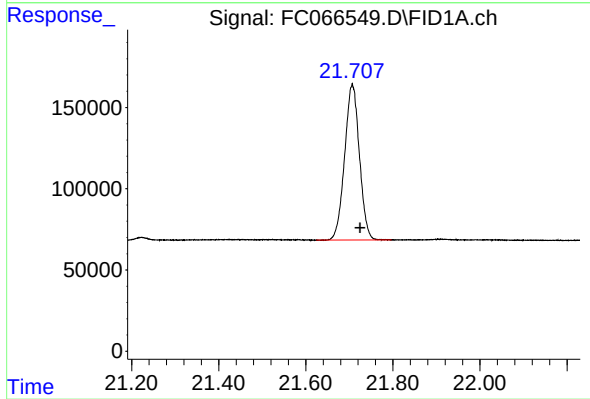
#21 n-Octatriacontane (C38)

R.T.: 20.800 min
Delta R.T.: -0.012 min
Response: 2321054
Conc: 20.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.707 min
Delta R.T.: -0.018 min
Response: 2254956
Conc: 18.41 ug/ml