

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041123AL\
 Data File : FE041306.D
 Signal(s) : FID1B.ch
 Acq On : 11 Apr 2023 12:27
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/12/2023
 Supervised By :Ankita Jodhani 04/12/2023

Integration File: autoint1.e
 Quant Time: Apr 11 15:16:44 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.835	3250138	17.293 ug/ml
Spiked Amount 50.000		Recovery =	34.59%
12) S 1-chlorooctadecane (S...	13.273	2521435	17.525 ug/ml
Spiked Amount 50.000		Recovery =	35.05%
Target Compounds			
1) T n-Nonane (C9)	3.236	2819876	16.252 ug/ml
2) T n-Decane (C10)	4.483	2872828	16.877 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3116246	17.037 ug/ml
4) T n-Dodecane (C12)	6.647	2959058	17.059 ug/ml
5) T A~2-methylnaphthalene...	7.282	2871926	17.341 ug/ml
6) T n-Tetradecane (C14)	8.473	2993611	17.169 ug/ml
7) T n-Hexadecane (C16)	10.079	3078037	17.307 ug/ml
8) T n-Octadecane (C18)	11.521	3145718	17.618 ug/ml
10) T n-Eicosane (C20)	12.828	3042851	17.839 ug/ml
11) T n-Heneicosane (C21)	13.441	3003844	17.755 ug/ml
13) T n-Docosane (C22)	14.027	3037476	18.355 ug/ml
14) T n-Tetracosane (C24)	15.131	3096854	19.142 ug/ml
15) T n-Hexacosane (C26)	16.152	3088189	19.922 ug/ml
16) T n-Octacosane (C28)	17.104	3188948	20.818 ug/ml
17) T n-Tricontane (C30)	17.992	3371383	22.056 ug/ml
18) T n-Dotriacontane (C32)	18.826	3472642	22.242 ug/mlm
19) T n-Tetratriacontane (C34)	19.610	3277075	21.147 ug/mlm
20) T n-Hexatriacontane (C36)	20.351	3057184	20.126 ug/mlm
21) T n-Octatriacontane (C38)	21.077	3002682	19.221 ug/mlm
22) T n-Tetracontane (C40)	21.949	3038721	19.039 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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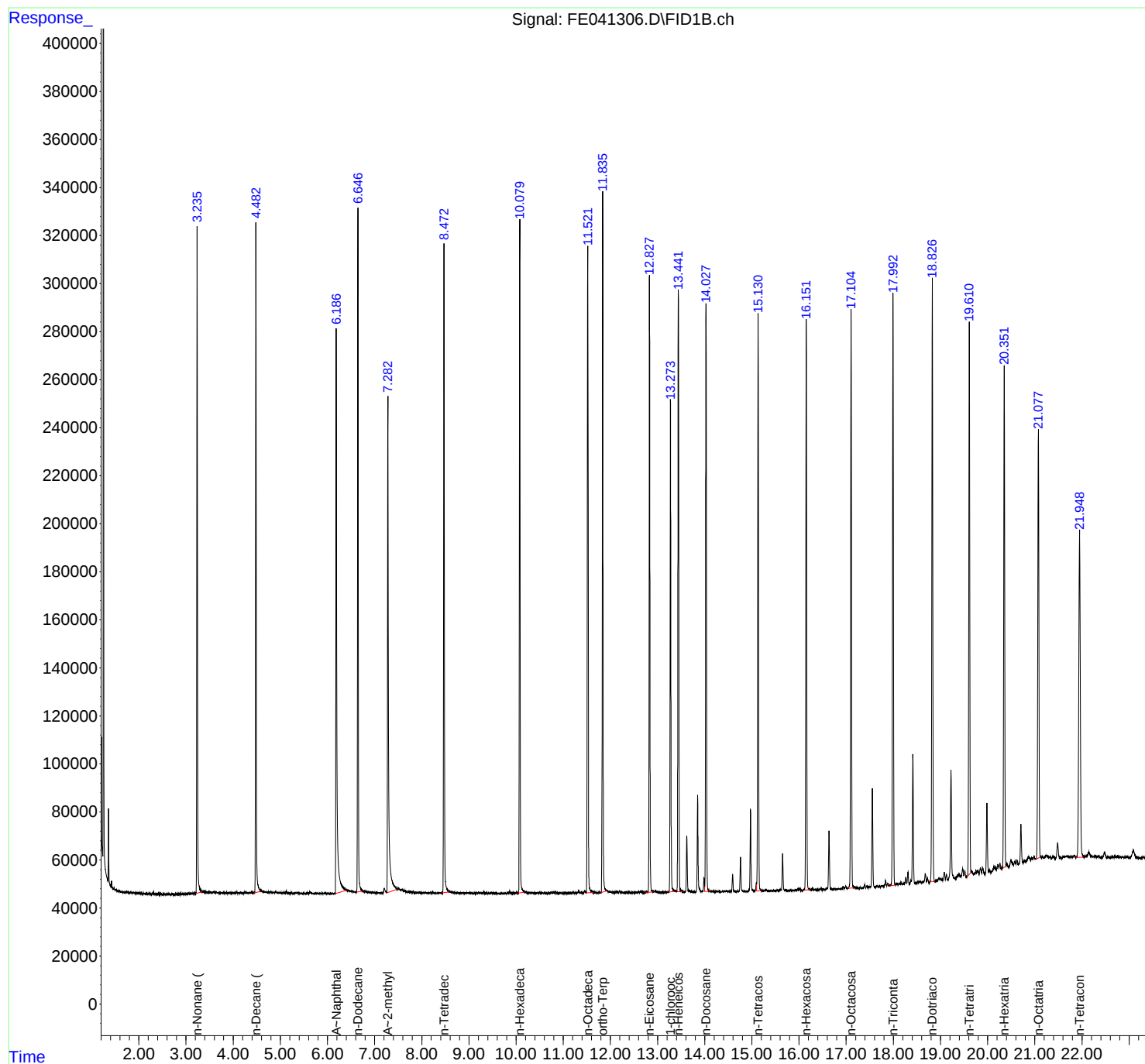
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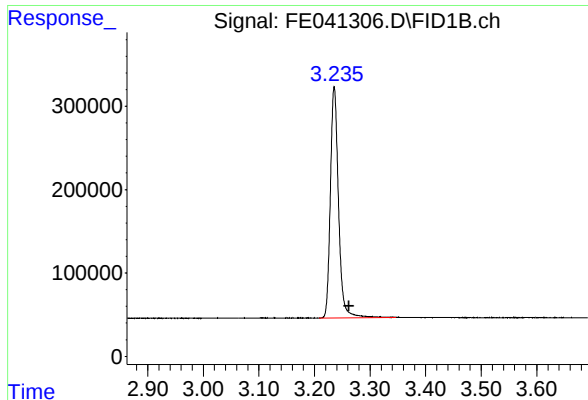
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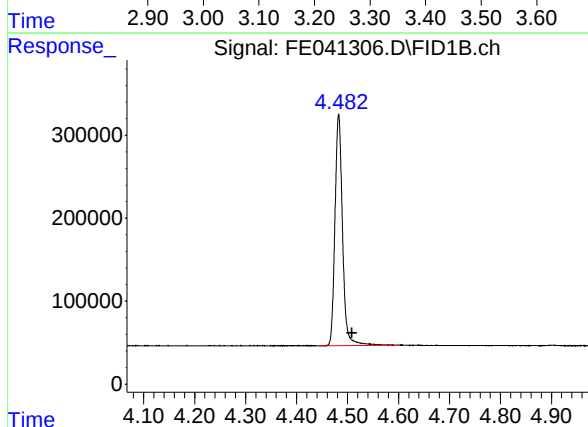
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.026 min
Response: 2819876
Conc: 16.25 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

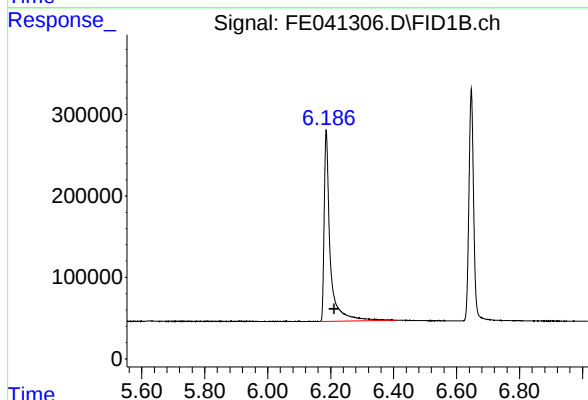
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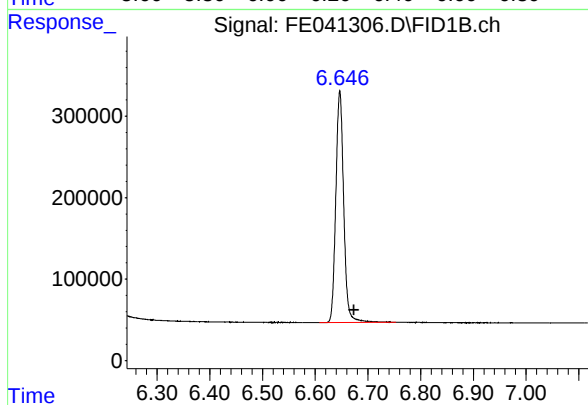
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: -0.026 min
Response: 2872828
Conc: 16.88 ug/ml



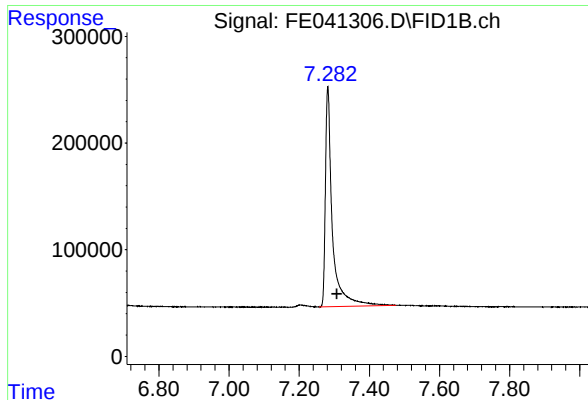
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.026 min
Response: 3116246
Conc: 17.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.027 min
Response: 2959058
Conc: 17.06 ug/ml



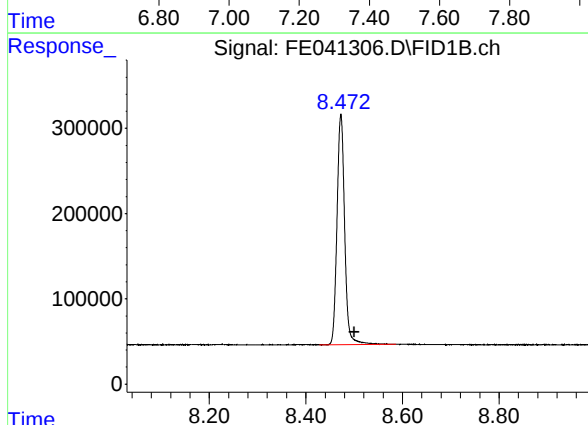
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
 Delta R.T.: -0.026 min
 Response: 2871926
 Conc: 17.34 ug/ml

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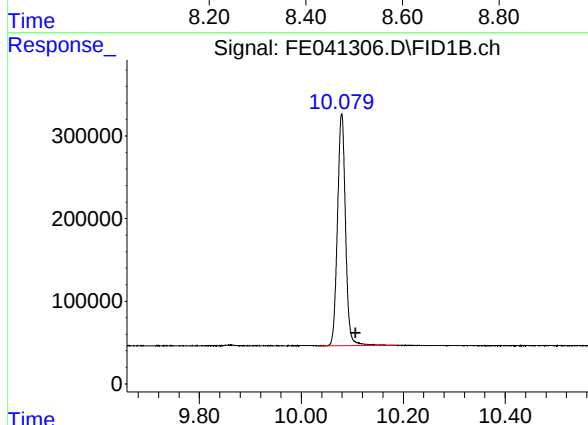
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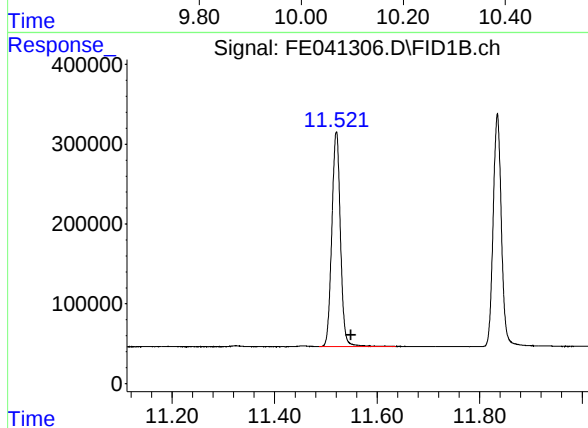
#6 n-Tetradecane (C14)

R.T.: 8.473 min
 Delta R.T.: -0.028 min
 Response: 2993611
 Conc: 17.17 ug/ml



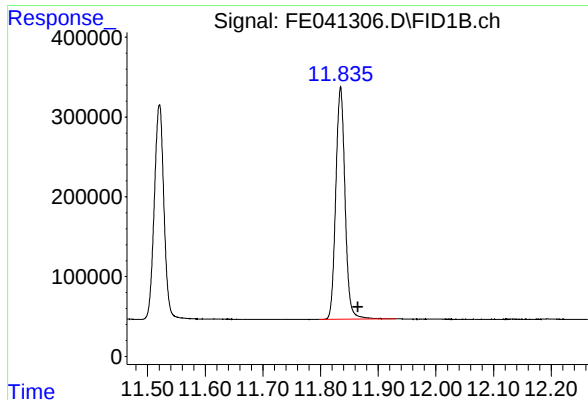
#7 n-Hexadecane (C16)

R.T.: 10.079 min
 Delta R.T.: -0.027 min
 Response: 3078037
 Conc: 17.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.521 min
 Delta R.T.: -0.029 min
 Response: 3145718
 Conc: 17.62 ug/ml



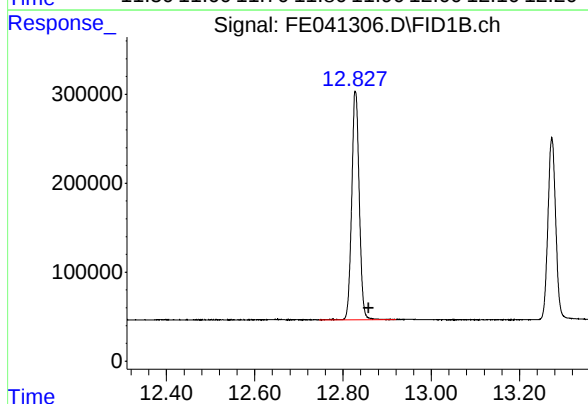
#9 ortho-Terphenyl (SURR)

R.T.: 11.835 min
Delta R.T.: -0.030 min
Response: 3250138
Conc: 17.29 ug/ml

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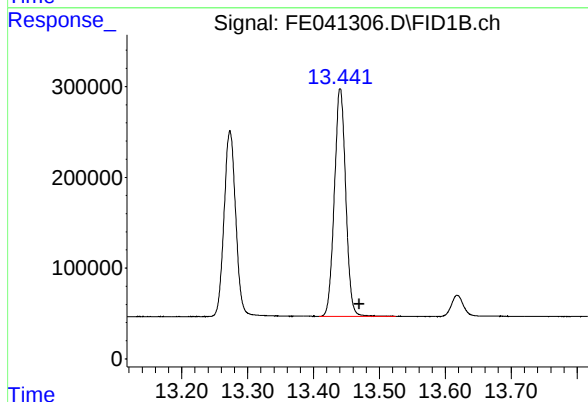
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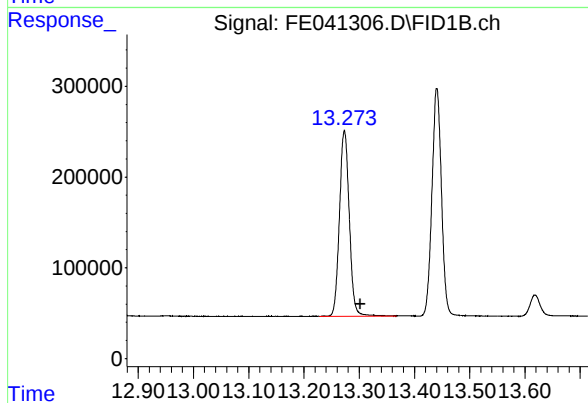
#10 n-Eicosane (C20)

R.T.: 12.828 min
Delta R.T.: -0.030 min
Response: 3042851
Conc: 17.84 ug/ml



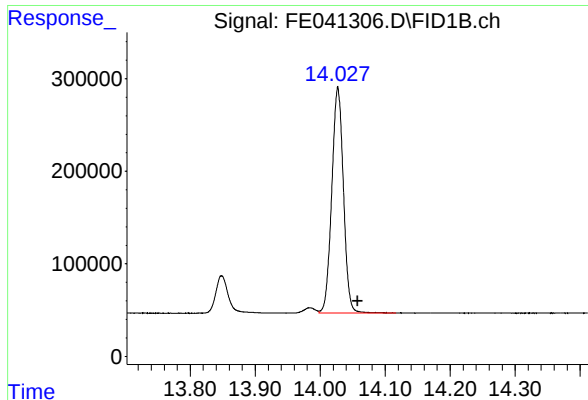
#11 n-Heneicosane (C21)

R.T.: 13.441 min
Delta R.T.: -0.029 min
Response: 3003844
Conc: 17.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.273 min
Delta R.T.: -0.029 min
Response: 2521435
Conc: 17.52 ug/ml



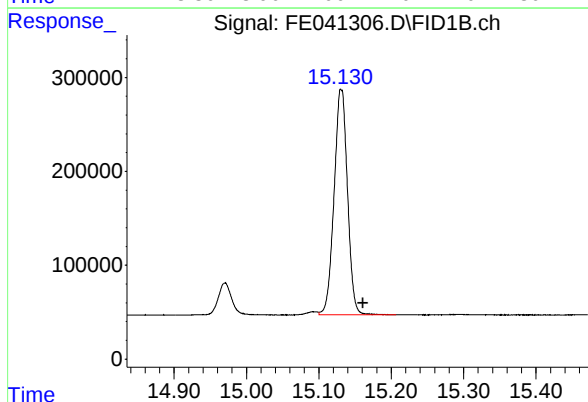
#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.030 min
Response: 3037476
Conc: 18.35 ug/ml

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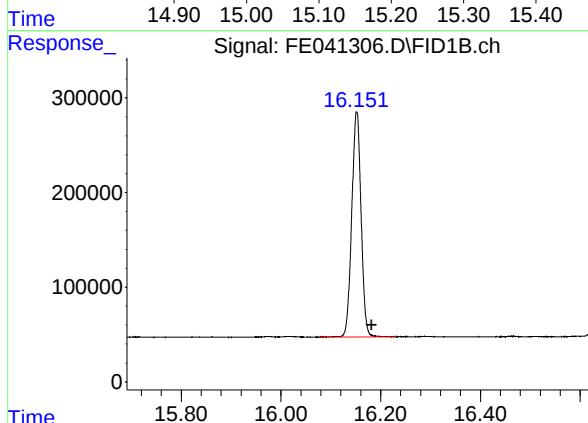
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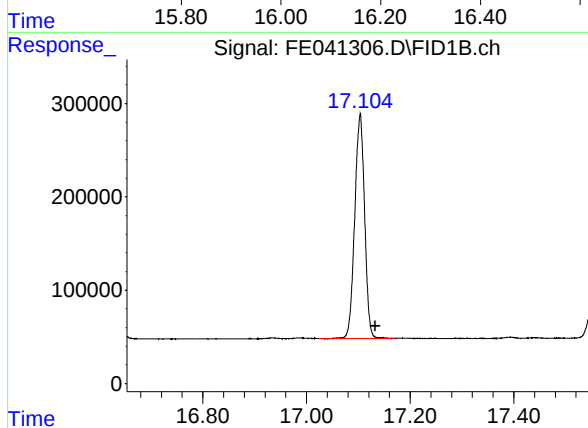
#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.030 min
Response: 3096854
Conc: 19.14 ug/ml



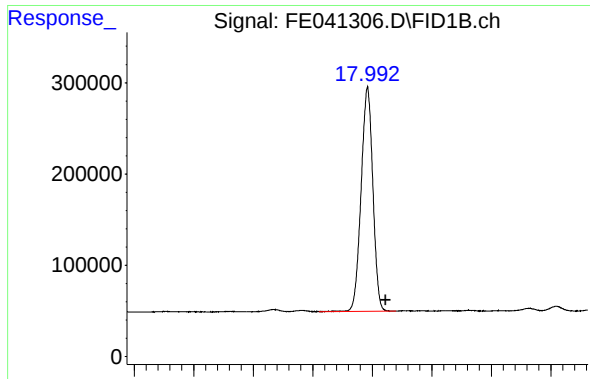
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.030 min
Response: 3088189
Conc: 19.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.030 min
Response: 3188948
Conc: 20.82 ug/ml



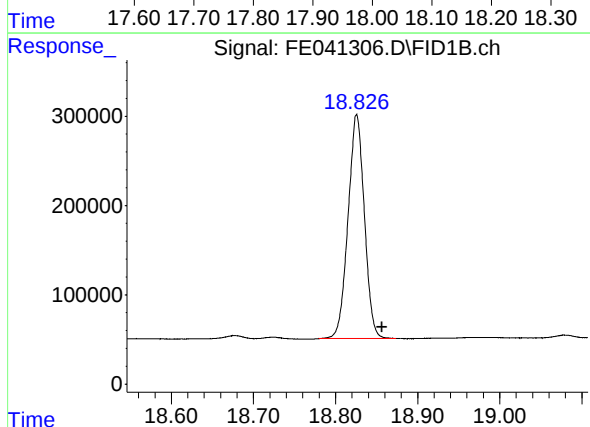
#17 n-Tricontane (C30)

R.T.: 17.992 min
Delta R.T.: -0.030 min
Response: 3371383
Conc: 22.06 ug/ml

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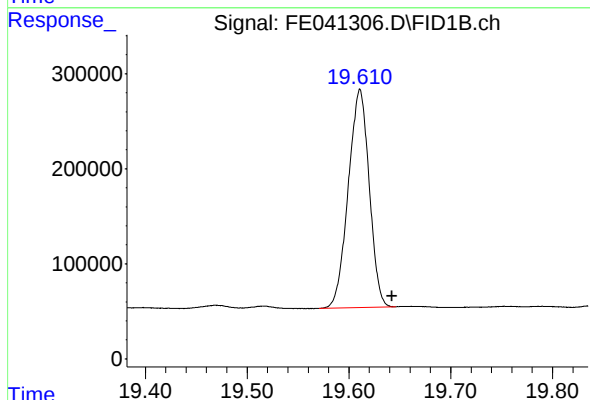
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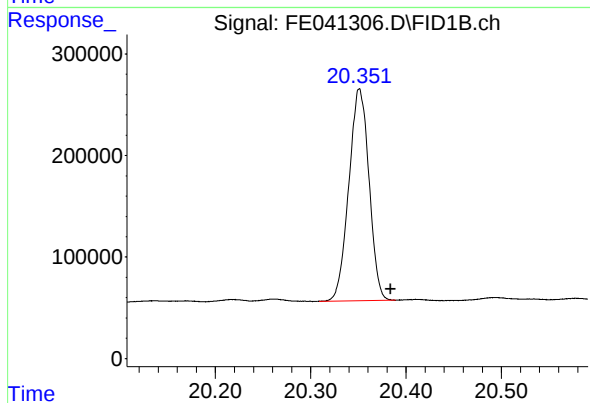
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.031 min
Response: 3472642
Conc: 22.24 ug/ml m



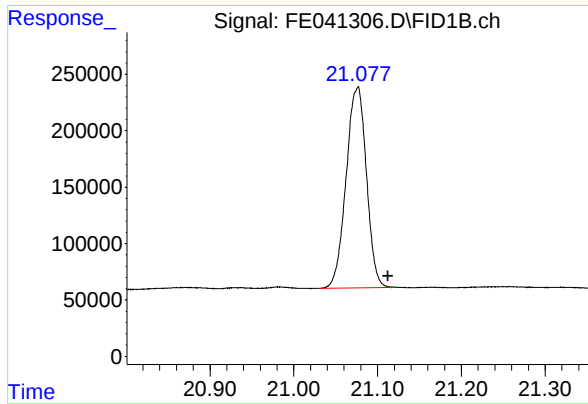
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.032 min
Response: 3277075
Conc: 21.15 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.033 min
Response: 3057184
Conc: 20.13 ug/ml m



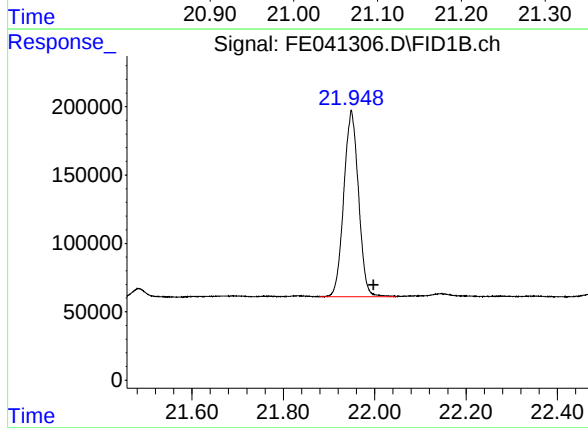
#21 n-Octatriacontane (C38)

R.T.: 21.077 min
Delta R.T.: -0.035 min
Response: 3002682
Conc: 19.22 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.949 min
Delta R.T.: -0.049 min
Response: 3038721
Conc: 19.04 ug/ml