

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101822AL\
 Data File : FE038222.D
 Signal(s) : FID1B.ch
 Acq On : 18 Oct 2022 21:12
 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 10/19/2022
 Supervised By :Ankita Jodhani 10/19/2022

Integration File: sample.E
 Quant Time: Oct 19 06:06:25 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 092822.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 28 06:23:29 2022
 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)	11.600	2959458	17.110 ug/ml
Spiked Amount 50.000		Recovery =	34.22%
12) S 1-chlorooctadecane (S...	13.022	2318072	17.150 ug/ml
Spiked Amount 50.000		Recovery =	34.30%
Target Compounds			
1) T n-Nonane (C9)	2.991	2667206	18.110 ug/ml
2) T n-Decane (C10)	4.249	2841139	19.217 ug/ml
3) T A~Naphthalene (C11.7)	5.973	2628211	19.192 ug/ml
4) T n-Dodecane (C12)	6.422	2924432	19.192 ug/ml
5) T A~2-methylnaphthalene...	7.066	2495342	18.775 ug/ml
6) T n-Tetradecane (C14)	8.242	2924546	19.108 ug/ml
7) T n-Hexadecane (C16)	9.841	2935120	18.791 ug/ml
8) T n-Octadecane (C18)	11.275	2913859	18.166 ug/ml
10) T n-Eicosane (C20)	12.578	2860867	17.544 ug/ml
11) T n-Heneicosane (C21)	13.186	2812108	17.067 ug/ml
13) T n-Docosane (C22)	13.769	2855727	17.348 ug/ml
14) T n-Tetracosane (C24)	14.867	2796772	17.053 ug/ml
15) T n-Hexacosane (C26)	15.883	2755819	16.900 ug/ml
16) T n-Octacosane (C28)	16.828	2835793	17.702 ug/ml
17) T n-Tricontane (C30)	17.713	3070810	19.189 ug/ml
18) T n-Dotriacontane (C32)	18.543	3164290	20.095 ug/ml
19) T n-Tetratriacontane (C34)	19.322	2972394	20.062 ug/mlm
20) T n-Hexatriacontane (C36)	20.059	2919001	20.247 ug/ml
21) T n-Octatriacontane (C38)	20.756	2951328	21.749 ug/ml
22) T n-Tetracontane (C40)	21.526	2740172	21.526 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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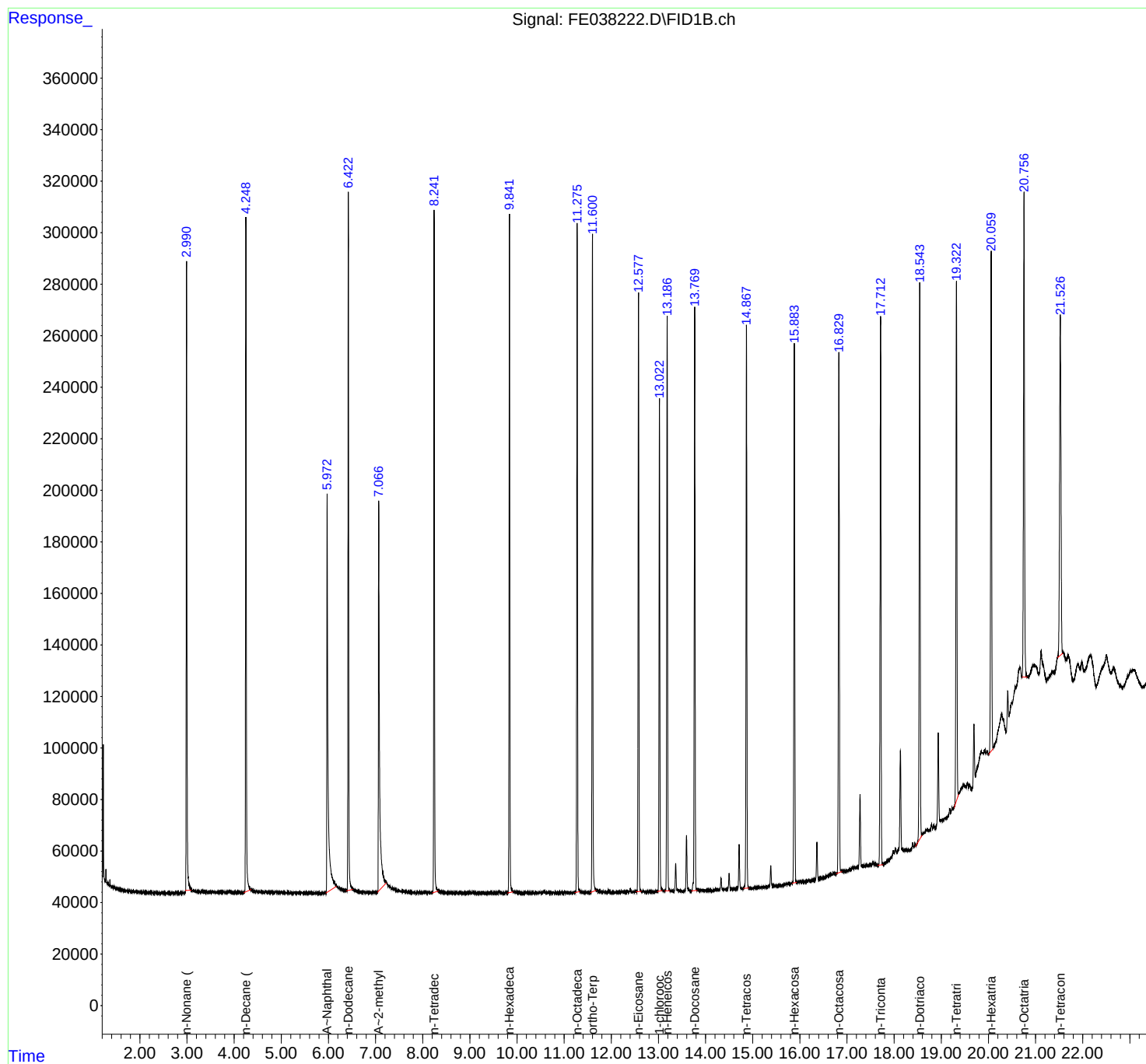
Instrument :
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20 PPM ALIPHATIC HC STD

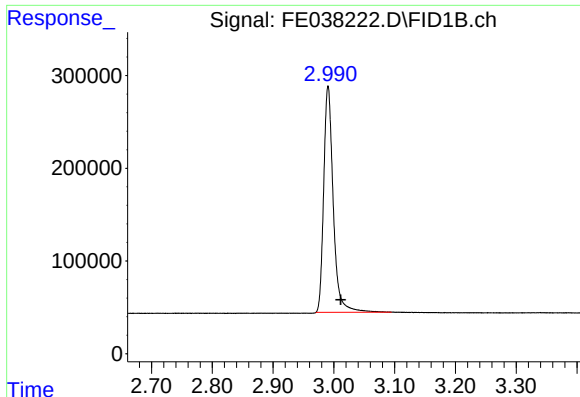
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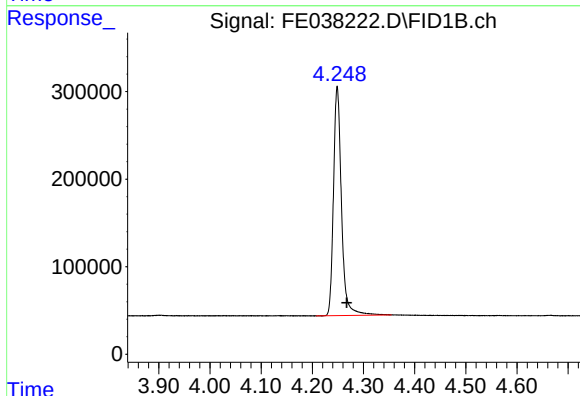
#1 n-Nonane (C9)

R.T.: 2.991 min
Delta R.T.: -0.020 min
Response: 2667206
Conc: 18.11 ug/ml

Instrument :
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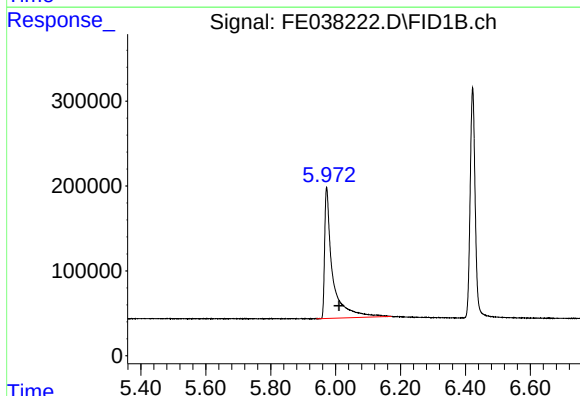
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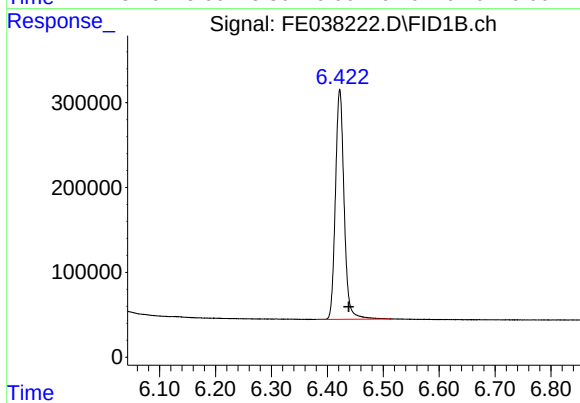
#2 n-Decane (C10)

R.T.: 4.249 min
Delta R.T.: -0.019 min
Response: 2841139
Conc: 19.22 ug/ml



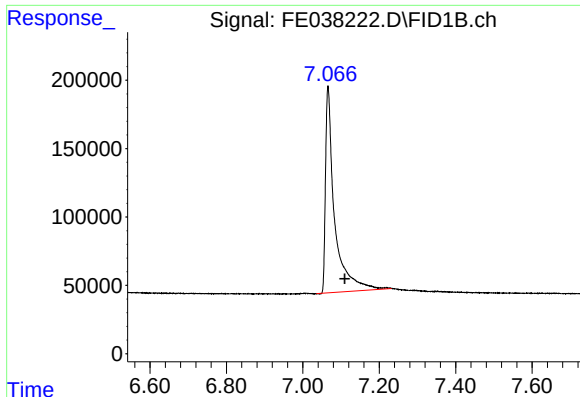
#3 A~Naphthalene (C11.7)

R.T.: 5.973 min
Delta R.T.: -0.039 min
Response: 2628211
Conc: 19.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.422 min
Delta R.T.: -0.016 min
Response: 2924432
Conc: 19.19 ug/ml



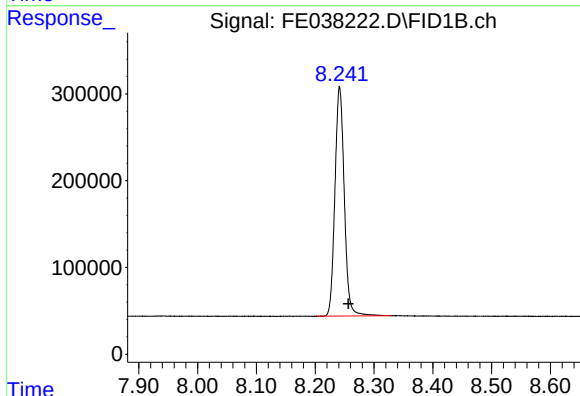
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.066 min
Delta R.T.: -0.044 min
Response: 2495342
Conc: 18.78 ug/ml

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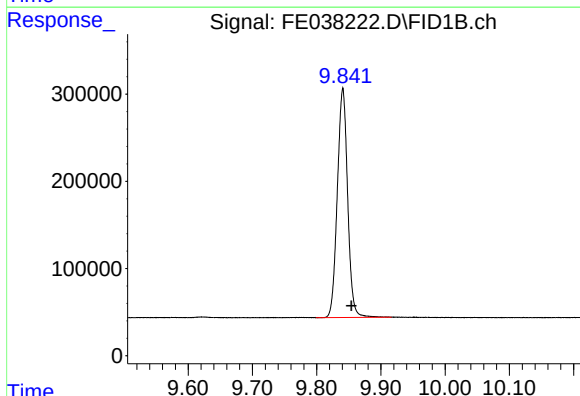
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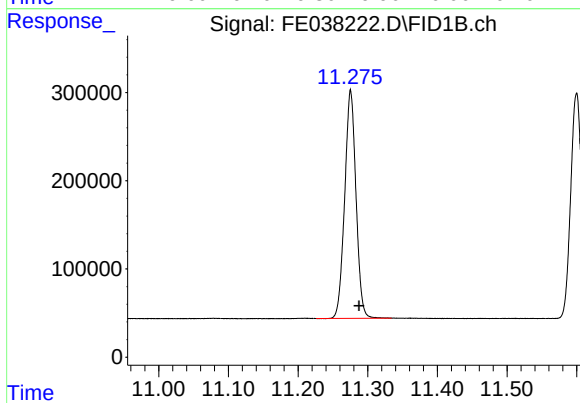
#6 n-Tetradecane (C14)

R.T.: 8.242 min
Delta R.T.: -0.015 min
Response: 2924546
Conc: 19.11 ug/ml



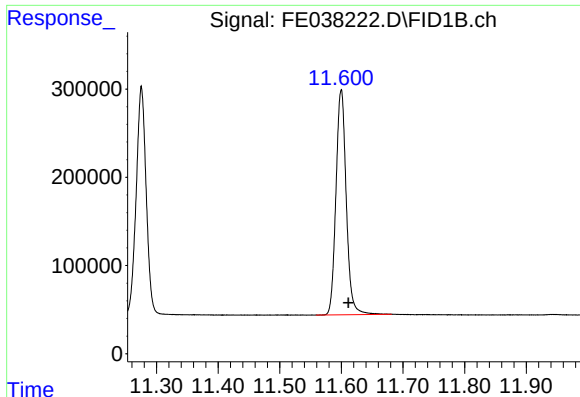
#7 n-Hexadecane (C16)

R.T.: 9.841 min
Delta R.T.: -0.013 min
Response: 2935120
Conc: 18.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.275 min
Delta R.T.: -0.012 min
Response: 2913859
Conc: 18.17 ug/ml



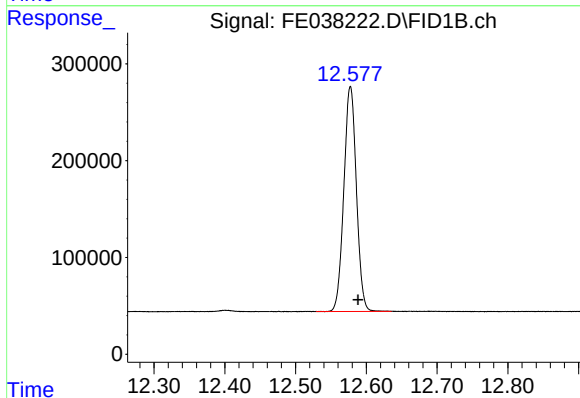
#9 ortho-Terphenyl (SURR)

R.T.: 11.600 min
Delta R.T.: -0.012 min
Response: 2959458
Conc: 17.11 ug/ml

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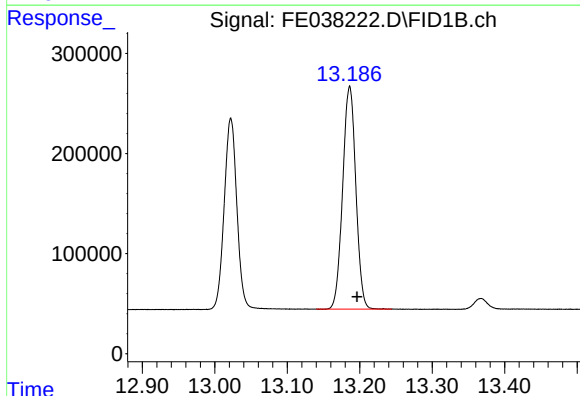
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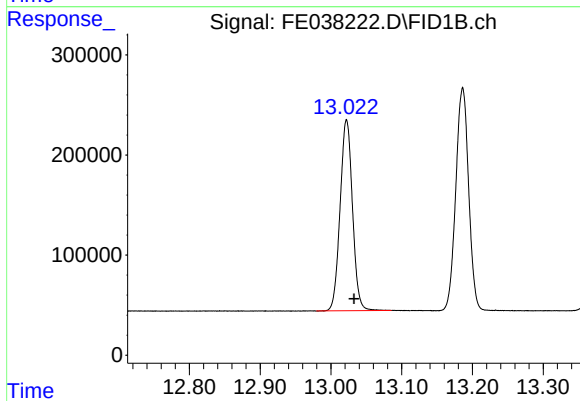
#10 n-Eicosane (C20)

R.T.: 12.578 min
Delta R.T.: -0.011 min
Response: 2860867
Conc: 17.54 ug/ml



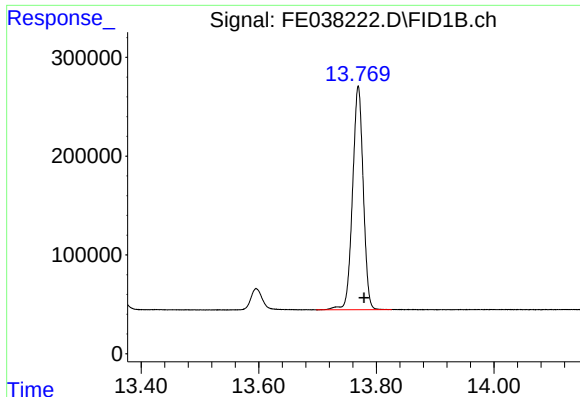
#11 n-Heneicosane (C21)

R.T.: 13.186 min
Delta R.T.: -0.010 min
Response: 2812108
Conc: 17.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.022 min
Delta R.T.: -0.011 min
Response: 2318072
Conc: 17.15 ug/ml



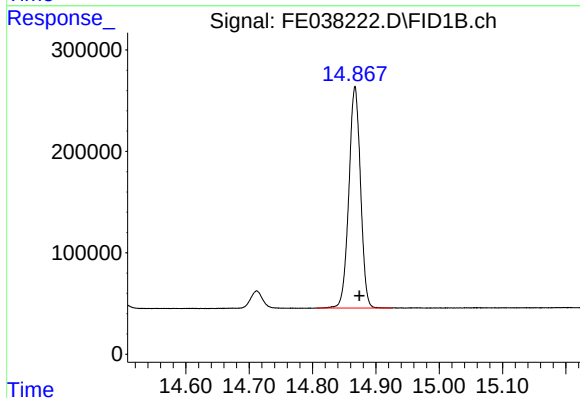
#13 n-Docosane (C22)

R.T.: 13.769 min
Delta R.T.: -0.010 min
Response: 2855727
Conc: 17.35 ug/ml

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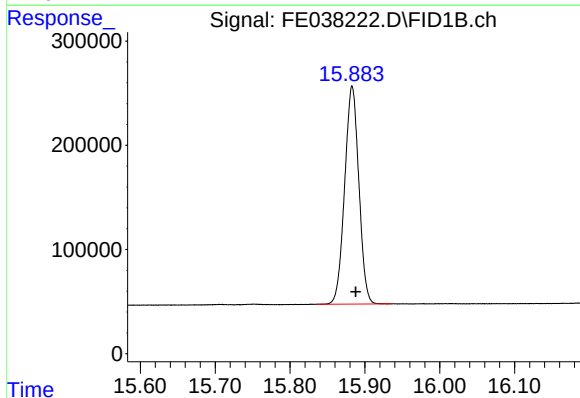
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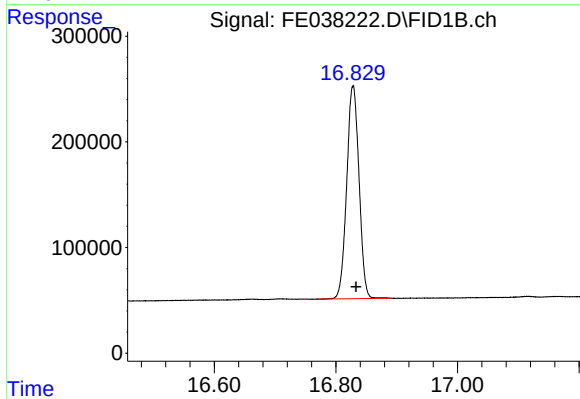
#14 n-Tetracosane (C24)

R.T.: 14.867 min
Delta R.T.: -0.007 min
Response: 2796772
Conc: 17.05 ug/ml



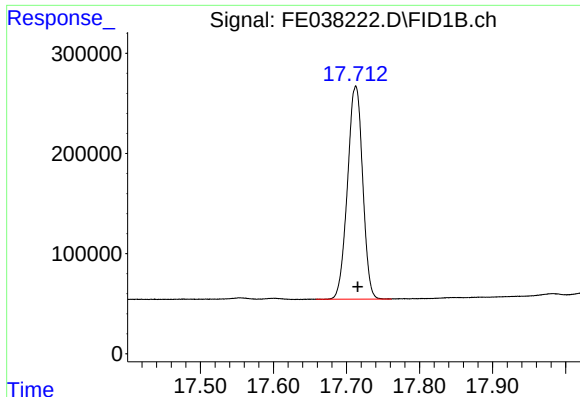
#15 n-Hexacosane (C26)

R.T.: 15.883 min
Delta R.T.: -0.005 min
Response: 2755819
Conc: 16.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.828 min
Delta R.T.: -0.005 min
Response: 2835793
Conc: 17.70 ug/ml



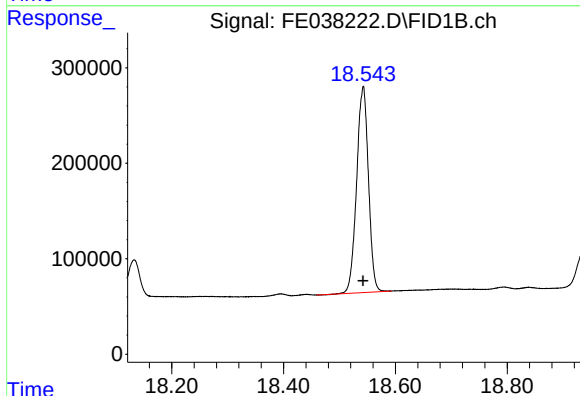
#17 n-Tricontane (C30)

R.T.: 17.713 min
Delta R.T.: -0.003 min
Response: 3070810
Conc: 19.19 ug/ml

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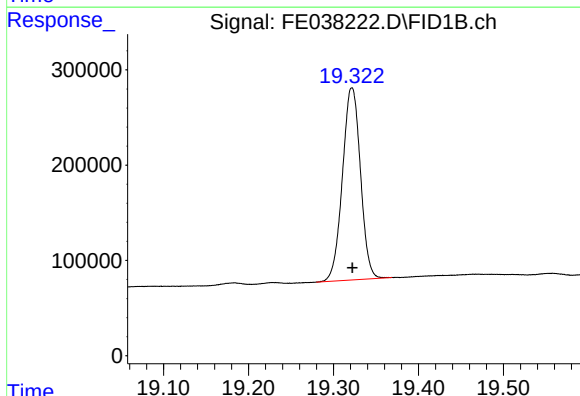
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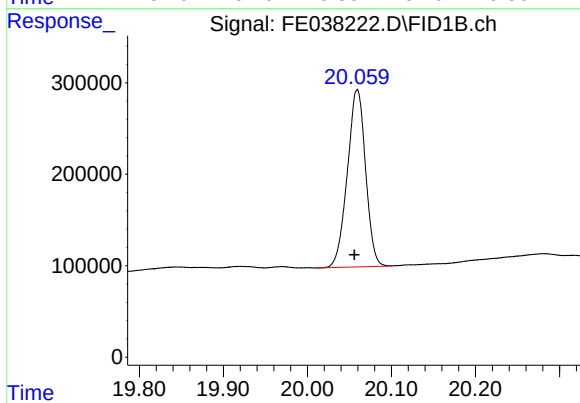
#18 n-Dotriacontane (C32)

R.T.: 18.543 min
Delta R.T.: 0.000 min
Response: 3164290
Conc: 20.09 ug/ml



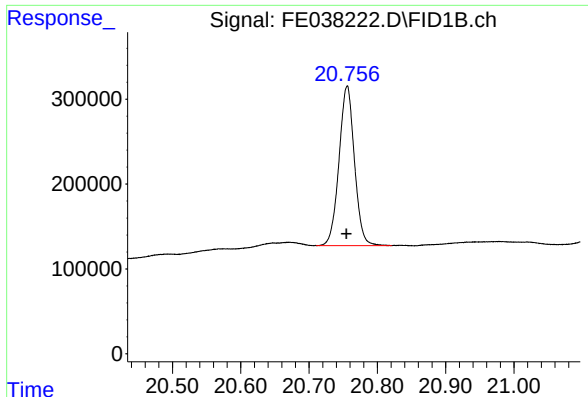
#19 n-Tetratriacontane (C34)

R.T.: 19.322 min
Delta R.T.: 0.000 min
Response: 2972394
Conc: 20.06 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.059 min
Delta R.T.: 0.003 min
Response: 2919001
Conc: 20.25 ug/ml



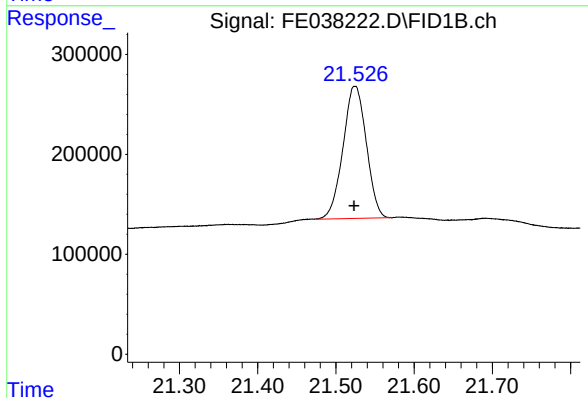
#21 n-Octatriacontane (C38)

R.T.: 20.756 min
Delta R.T.: 0.001 min
Response: 2951328
Conc: 21.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.526 min
Delta R.T.: 0.002 min
Response: 2740172
Conc: 21.53 ug/ml m