

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE083124AL\
 Data File : FE049864.D
 Signal(s) : FID1B.ch
 Acq On : 30 Aug 2024 23:52
 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 09/03/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Aug 31 04:16:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.878	3034255	18.763 ug/ml
Spiked Amount 50.000		Recovery =	37.53%
12) S 1-chlorooctadecane (S...	13.313	2336150	19.148 ug/ml
Spiked Amount 50.000		Recovery =	38.30%
Target Compounds			
1) T n-Nonane (C9)	3.269	2583210	16.692 ug/ml
2) T n-Decane (C10)	4.519	2814756	17.827 ug/mlm
3) T A~Naphthalene (C11.7)	6.226	2876624	17.928 ug/ml
4) T n-Dodecane (C12)	6.686	2859183	18.187 ug/ml
5) T A~2-methylnaphthalene...	7.322	2759725	18.428 ug/ml
6) T n-Tetradecane (C14)	8.512	2833170	18.352 ug/ml
7) T n-Hexadecane (C16)	10.118	2928316	18.750 ug/ml
8) T n-Octadecane (C18)	11.560	2962801	18.865 ug/ml
10) T n-Eicosane (C20)	12.868	2833693	18.979 ug/ml
11) T n-Heneicosane (C21)	13.479	2788188	19.006 ug/ml
13) T n-Docosane (C22)	14.064	2755759	18.907 ug/ml
14) T n-Tetracosane (C24)	15.164	2799103	19.242 ug/ml
15) T n-Hexacosane (C26)	16.184	2759664	19.121 ug/ml
16) T n-Octacosane (C28)	17.133	2910604	20.207 ug/ml
17) T n-Tricontane (C30)	18.020	3308804	22.102 ug/ml
18) T n-Dotriacontane (C32)	18.850	3479701	23.001 ug/ml
19) T n-Tetratriacontane (C34)	19.633	3414018	22.331 ug/ml
20) T n-Hexatriacontane (C36)	20.371	3229465	21.267 ug/mlm
21) T n-Octatriacontane (C38)	21.099	3068356	19.550 ug/ml
22) T n-Tetracontane (C40)	21.989	2937019	19.237 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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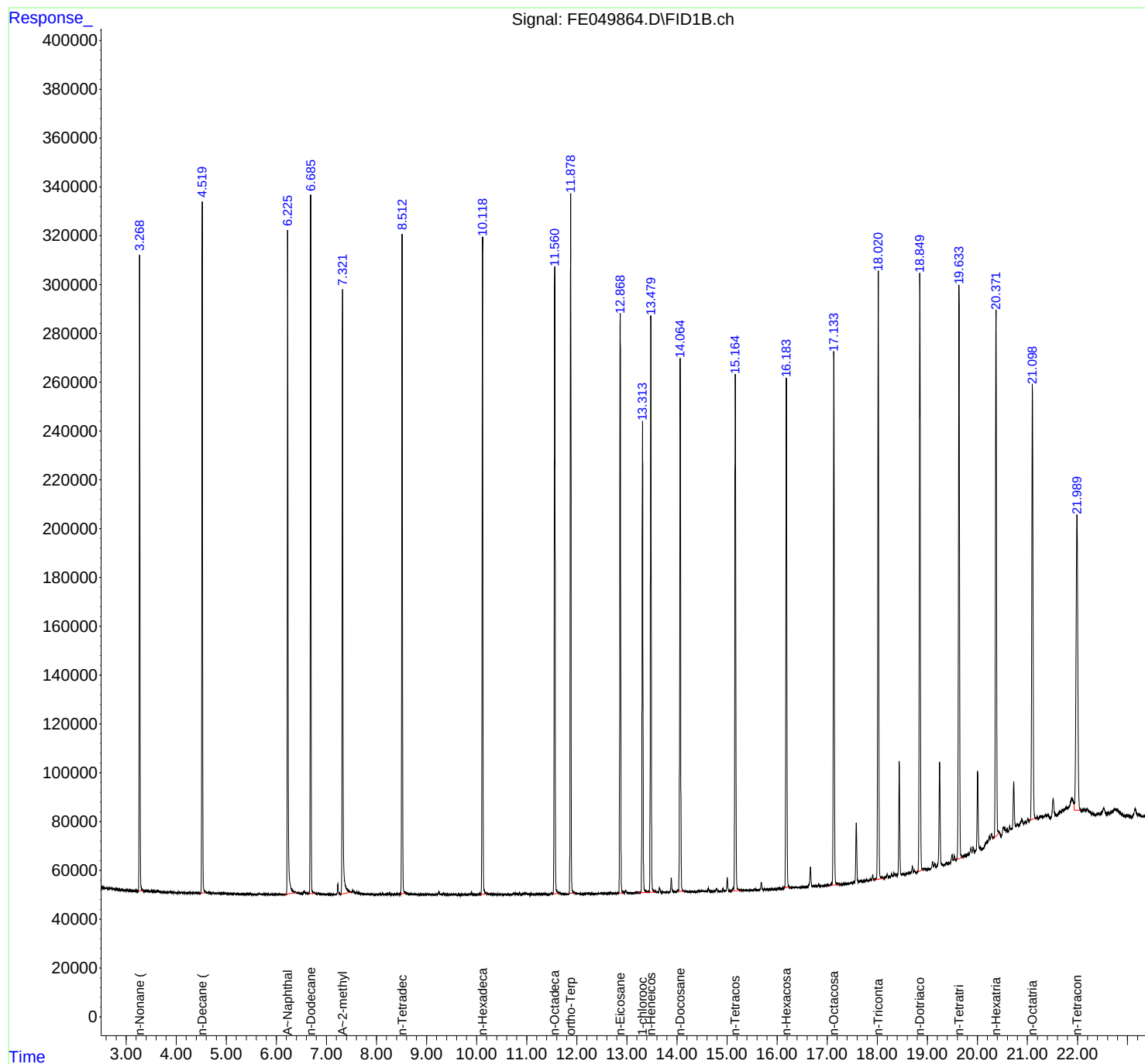
Instrument :
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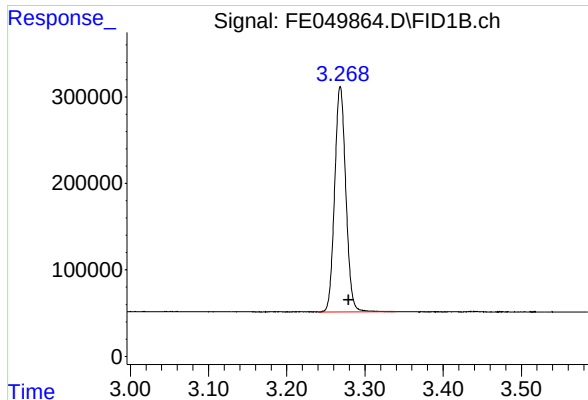
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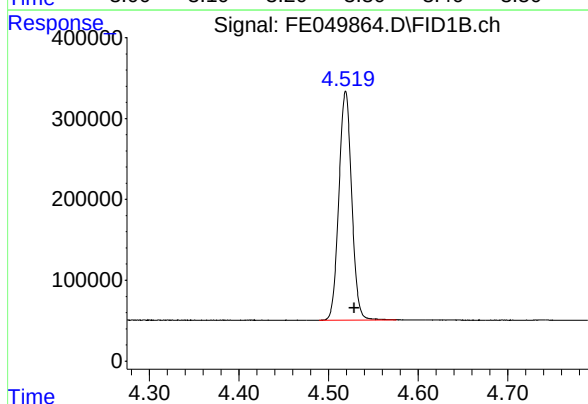
#1 n-Nonane (C9)

R.T.: 3.269 min
Delta R.T.: -0.010 min
Response: 2583210
Conc: 16.69 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

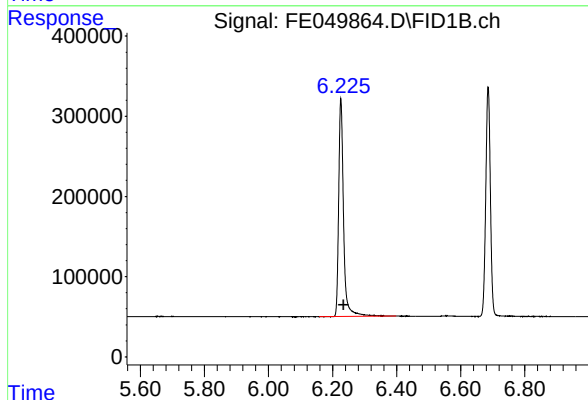
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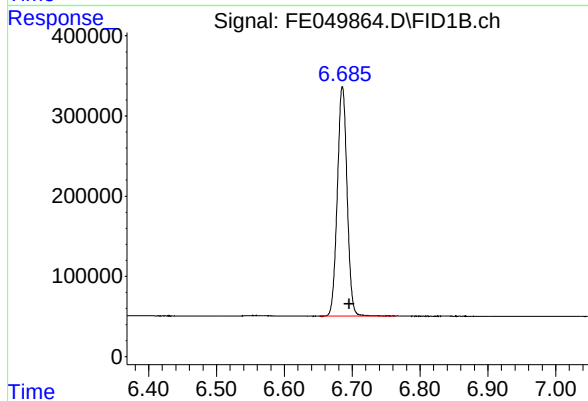
#2 n-Decane (C10)

R.T.: 4.519 min
Delta R.T.: -0.010 min
Response: 2814756
Conc: 17.83 ug/ml m



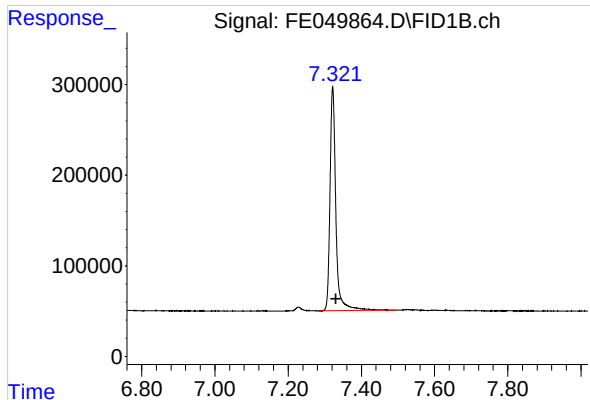
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: -0.009 min
Response: 2876624
Conc: 17.93 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.686 min
Delta R.T.: -0.010 min
Response: 2859183
Conc: 18.19 ug/ml



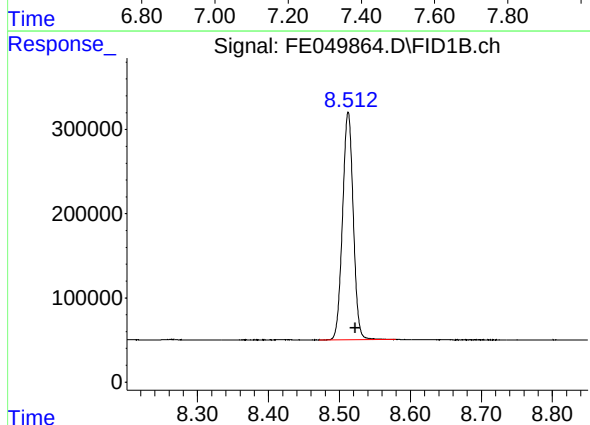
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min
Delta R.T.: -0.009 min
Response: 2759725
Conc: 18.43 ug/ml

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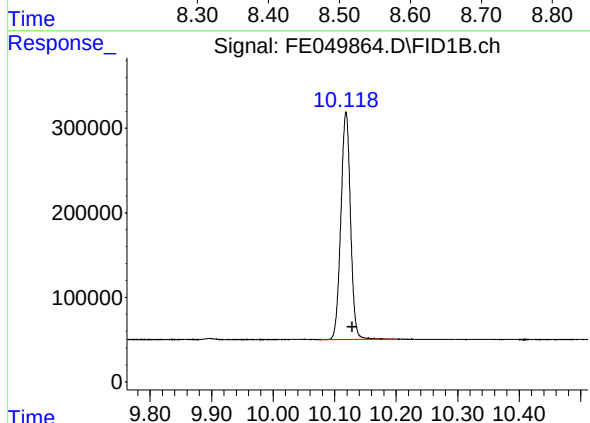
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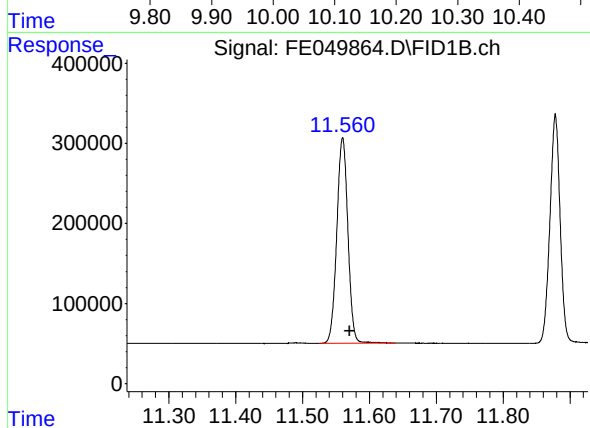
#6 n-Tetradecane (C14)

R.T.: 8.512 min
Delta R.T.: -0.010 min
Response: 2833170
Conc: 18.35 ug/ml



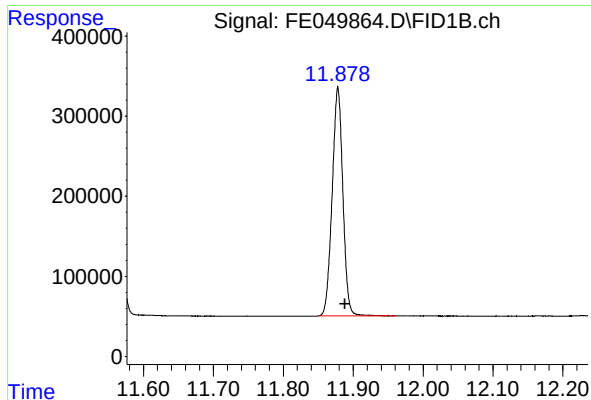
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: -0.011 min
Response: 2928316
Conc: 18.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.011 min
Response: 2962801
Conc: 18.86 ug/ml



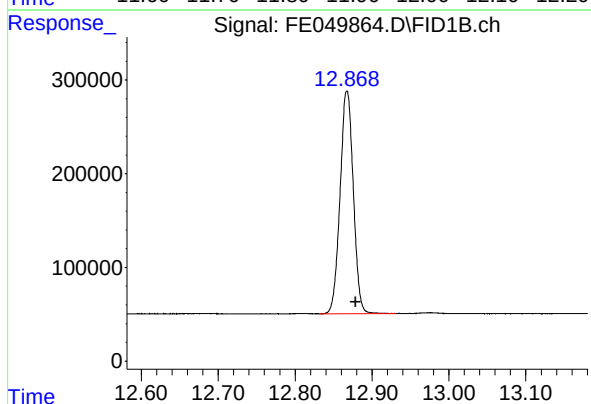
#9 ortho-Terphenyl (SURR)

R.T.: 11.878 min
Delta R.T.: -0.010 min
Response: 3034255
Conc: 18.76 ug/ml

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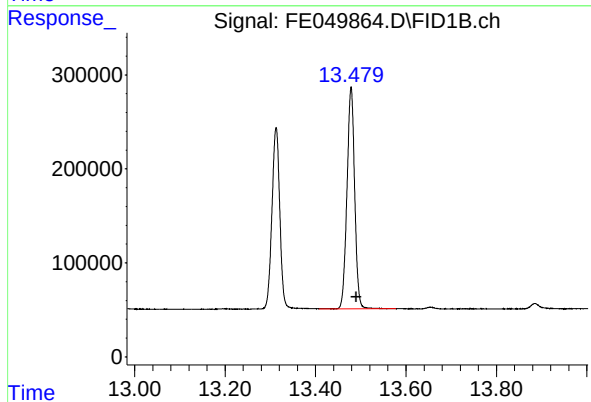
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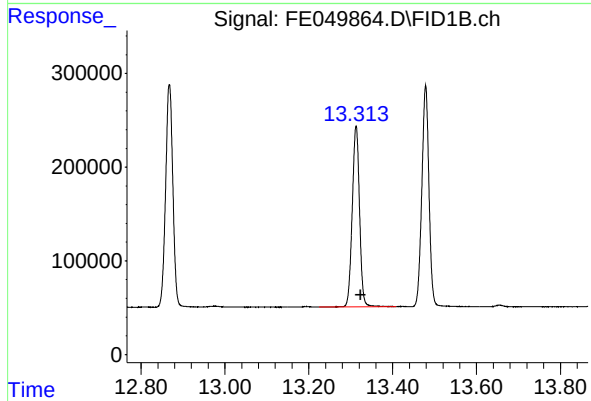
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: -0.011 min
Response: 2833693
Conc: 18.98 ug/ml



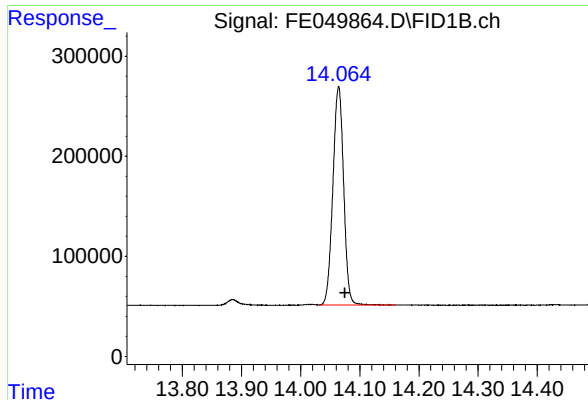
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: -0.011 min
Response: 2788188
Conc: 19.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.011 min
Response: 2336150
Conc: 19.15 ug/ml



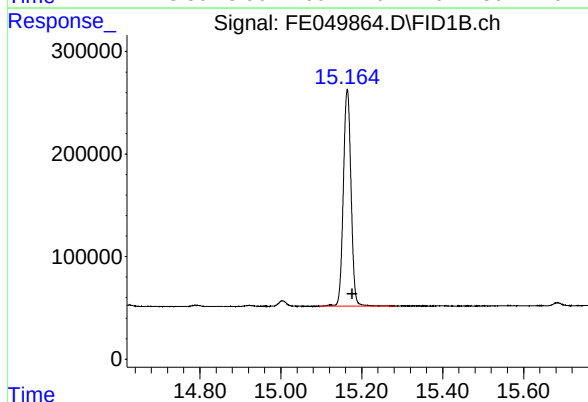
#13 n-Docosane (C22)

R.T.: 14.064 min
Delta R.T.: -0.011 min
Response: 2755759
Conc: 18.91 ug/ml

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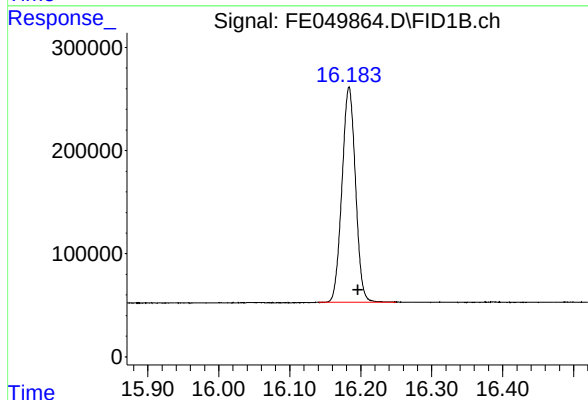
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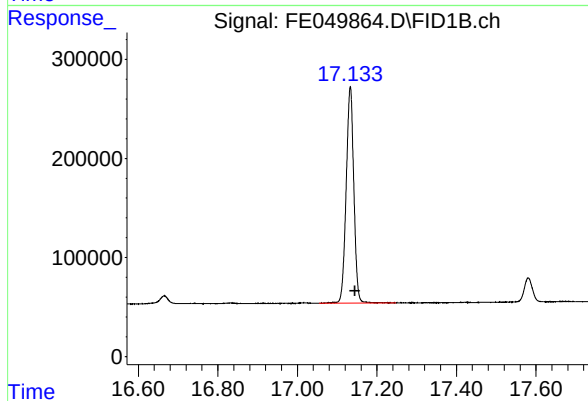
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: -0.013 min
Response: 2799103
Conc: 19.24 ug/ml



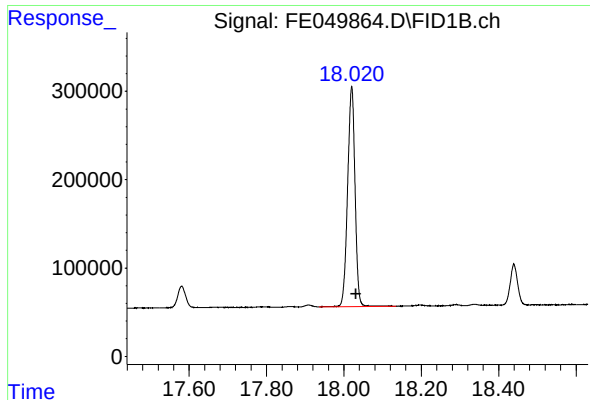
#15 n-Hexacosane (C26)

R.T.: 16.184 min
Delta R.T.: -0.013 min
Response: 2759664
Conc: 19.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.133 min
Delta R.T.: -0.012 min
Response: 2910604
Conc: 20.21 ug/ml



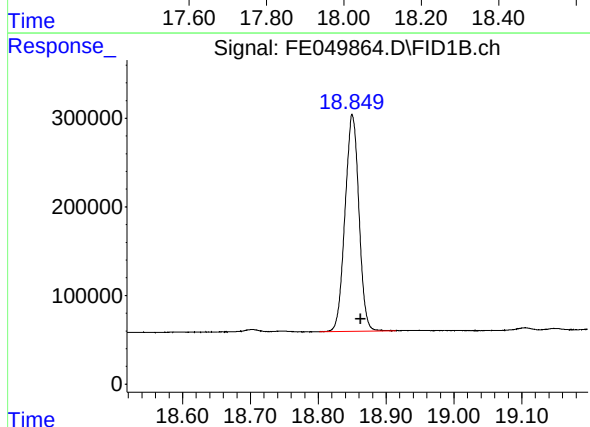
#17 n-Tricontane (C30)

R.T.: 18.020 min
Delta R.T.: -0.011 min
Response: 3308804
Conc: 22.10 ug/ml

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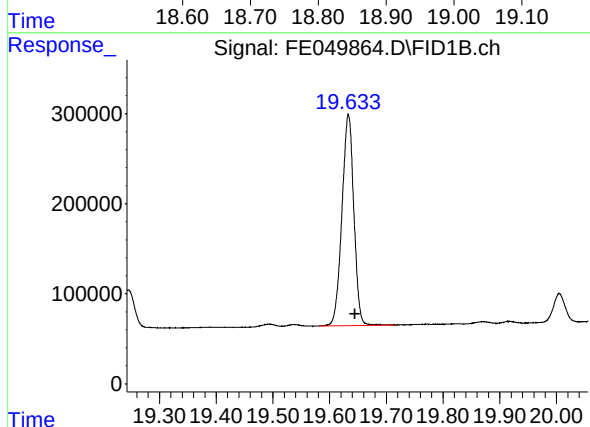
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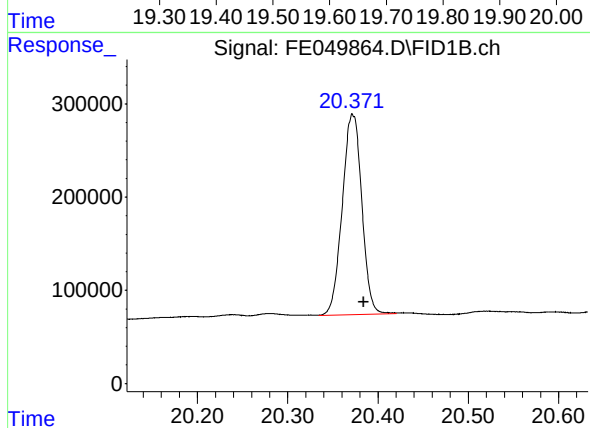
#18 n-Dotriacontane (C32)

R.T.: 18.850 min
Delta R.T.: -0.012 min
Response: 3479701
Conc: 23.00 ug/ml



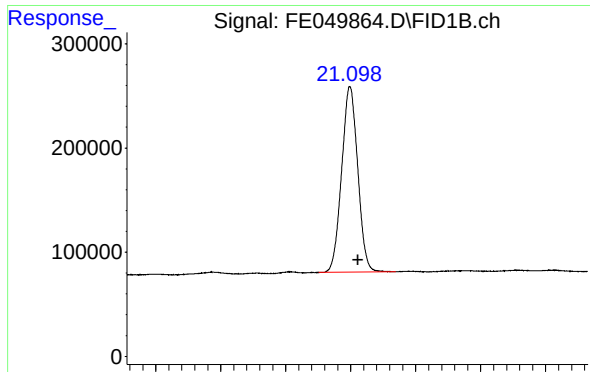
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.011 min
Response: 3414018
Conc: 22.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.371 min
Delta R.T.: -0.013 min
Response: 3229465
Conc: 21.27 ug/ml m



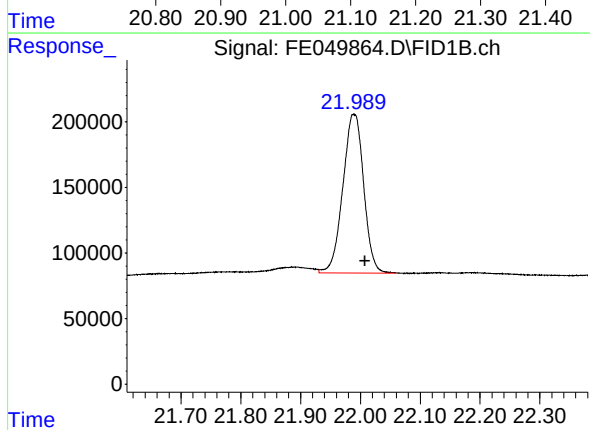
#21 n-Octatriacontane (C38)

R.T.: 21.099 min
Delta R.T.: -0.013 min
Response: 3068356
Conc: 19.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.989 min
Delta R.T.: -0.019 min
Response: 2937019
Conc: 19.24 ug/ml m