

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011824AL\
 Data File : FE046280.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jan 2024 10:30
 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 :Ankita Jodhani 01/19/2024
 Supervised By :Sohil Jodhani 01/23/2024

Integration File: autoint1.e
 Quant Time: Jan 19 00:10:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122923.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 29 03:49:54 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)	11.824	3860188	21.242 ug/ml
Spiked Amount 50.000		Recovery =	42.48%
12) S 1-chlorooctadecane (S...	13.266	2812664	21.051 ug/ml
Spiked Amount 50.000		Recovery =	42.10%
Target Compounds			
1) T n-Nonane (C9)	3.212	2938632	19.201 ug/ml
2) T n-Decane (C10)	4.463	3127994	20.155 ug/ml
3) T A~Naphthalene (C11.7)	6.166	3305500	19.876 ug/ml
4) T n-Dodecane (C12)	6.630	3202420	20.510 ug/ml
5) T A~2-methylnaphthalene...	7.262	3188067	20.024 ug/ml
6) T n-Tetradecane (C14)	8.456	3193459	20.501 ug/ml
7) T n-Hexadecane (C16)	10.065	3267219	20.632 ug/ml
8) T n-Octadecane (C18)	11.510	3286315	20.880 ug/ml
10) T n-Eicosane (C20)	12.821	3183949	21.047 ug/ml
11) T n-Heneicosane (C21)	13.433	3114560	21.180 ug/ml
13) T n-Docosane (C22)	14.021	3062284	20.950 ug/ml
14) T n-Tetracosane (C24)	15.126	3022808	20.842 ug/ml
15) T n-Hexacosane (C26)	16.149	2944708	20.540 ug/ml
16) T n-Octacosane (C28)	17.101	2939874	20.498 ug/ml
17) T n-Tricontane (C30)	17.992	3123253	21.013 ug/ml
18) T n-Dotriacontane (C32)	18.826	3194600	21.360 ug/ml
19) T n-Tetratriacontane (C34)	19.611	3126479	21.824 ug/ml
20) T n-Hexatriacontane (C36)	20.352	3092799	21.212 ug/mlm
21) T n-Octatriacontane (C38)	21.083	3140792	21.299 ug/mlm
22) T n-Tetracontane (C40)	21.975	3164002	20.214 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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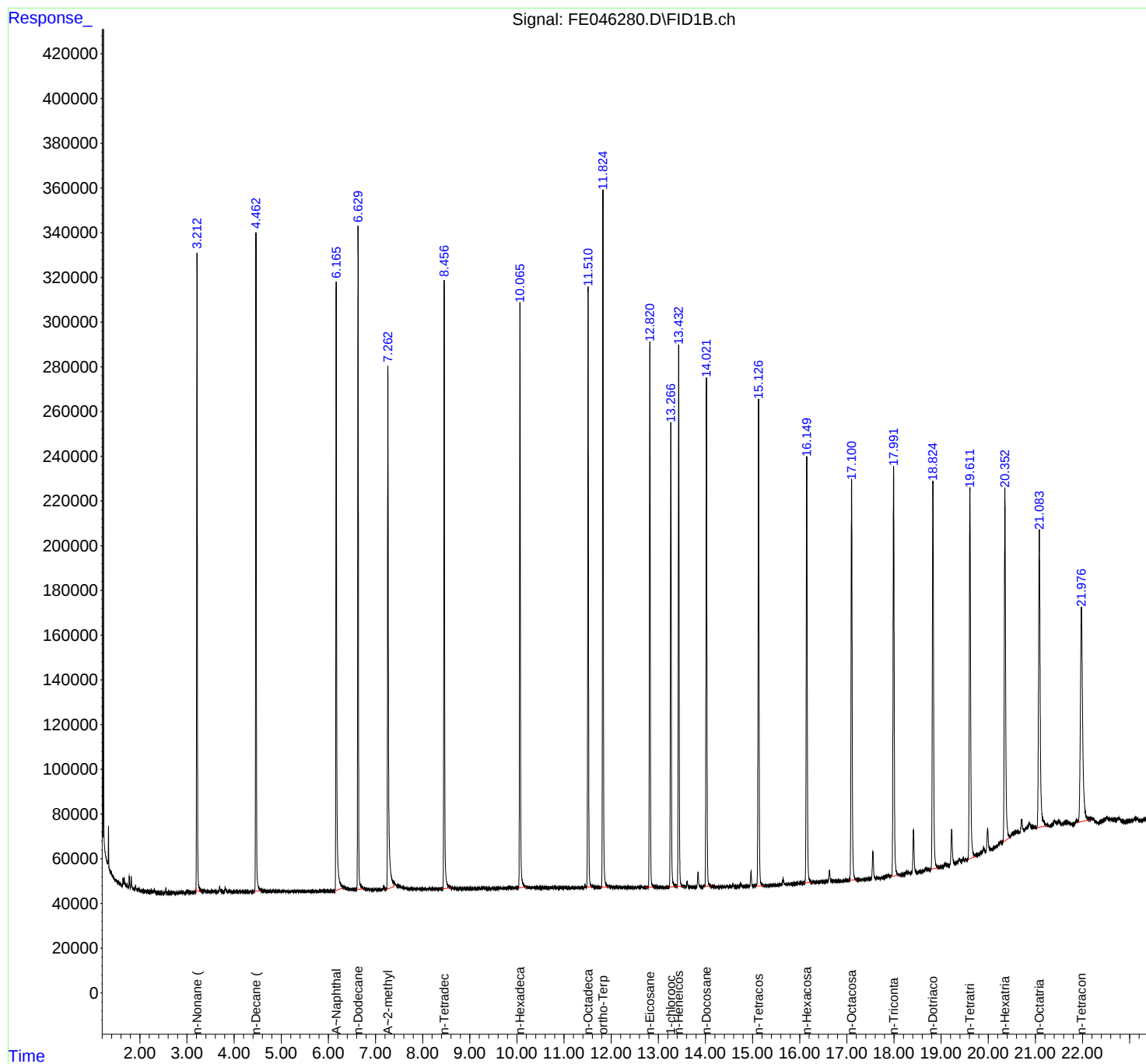
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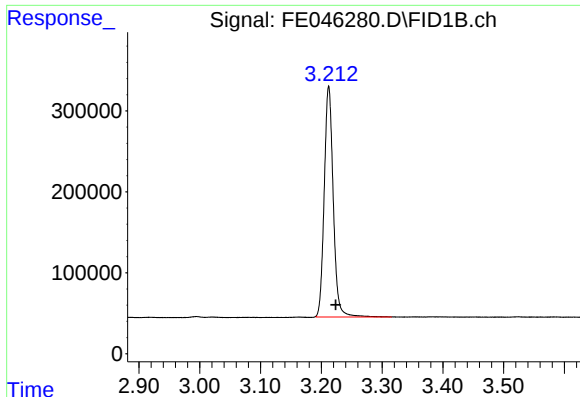
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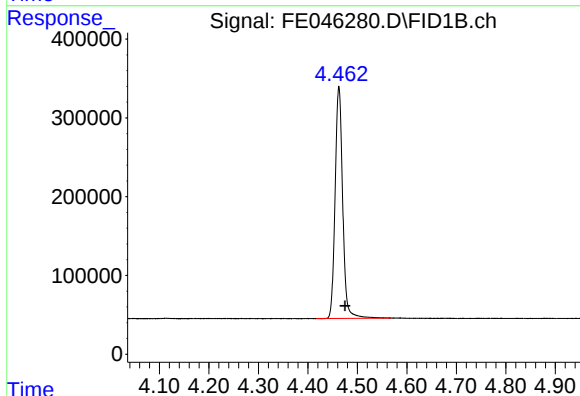
#1 n-Nonane (C9)

R.T.: 3.212 min
Delta R.T.: -0.012 min
Response: 2938632
Conc: 19.20 ug/ml

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20 PPM ALIPHATIC HC STD

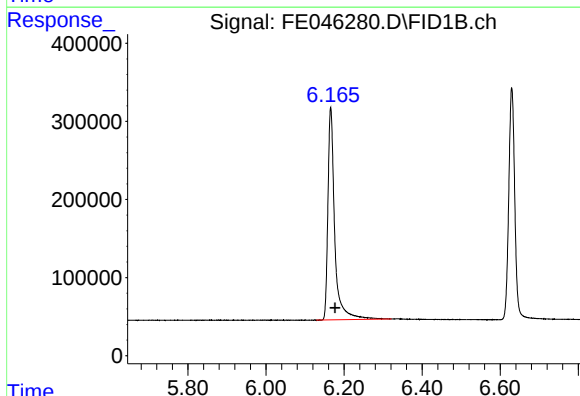
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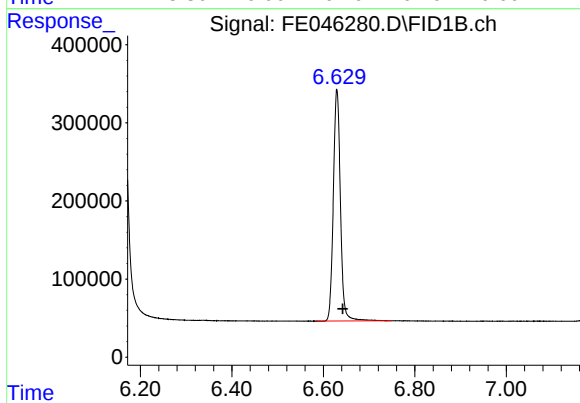
#2 n-Decane (C10)

R.T.: 4.463 min
Delta R.T.: -0.012 min
Response: 3127994
Conc: 20.15 ug/ml



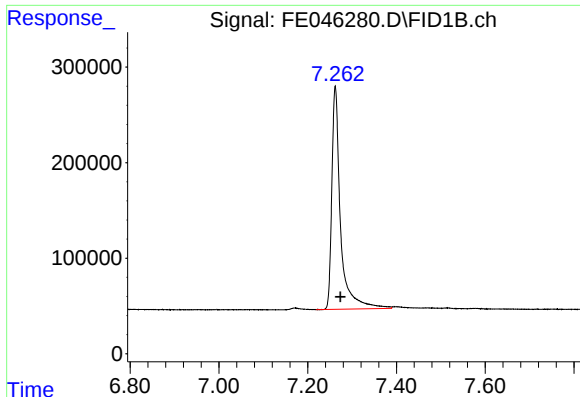
#3 A~Naphthalene (C11.7)

R.T.: 6.166 min
Delta R.T.: -0.011 min
Response: 3305500
Conc: 19.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.630 min
Delta R.T.: -0.013 min
Response: 3202420
Conc: 20.51 ug/ml



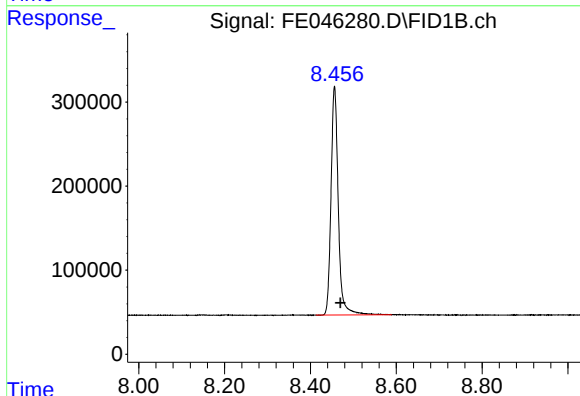
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.262 min
Delta R.T.: -0.012 min
Response: 3188067
Conc: 20.02 ug/ml

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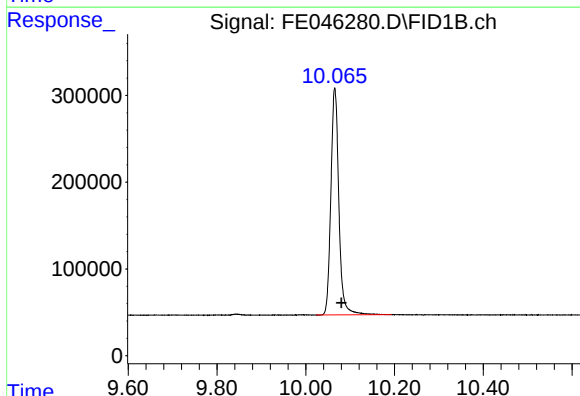
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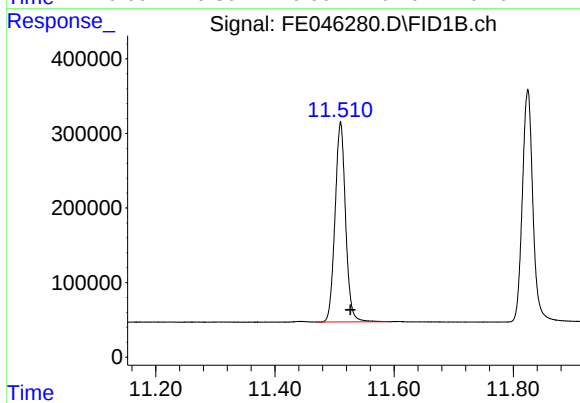
#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.014 min
Response: 3193459
Conc: 20.50 ug/ml



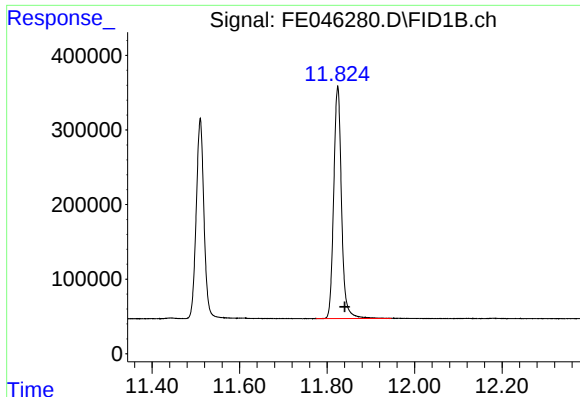
#7 n-Hexadecane (C16)

R.T.: 10.065 min
Delta R.T.: -0.015 min
Response: 3267219
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.017 min
Response: 3286315
Conc: 20.88 ug/ml



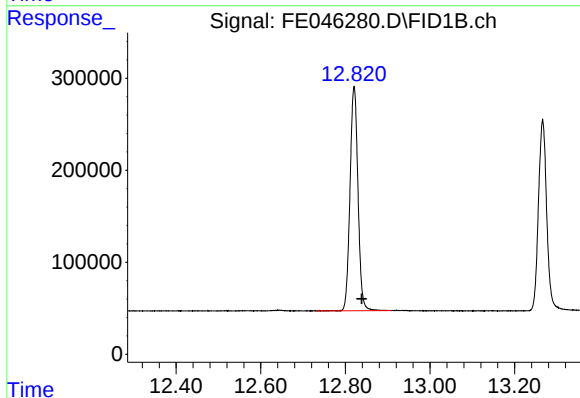
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.016 min
Response: 3860188
Conc: 21.24 ug/ml

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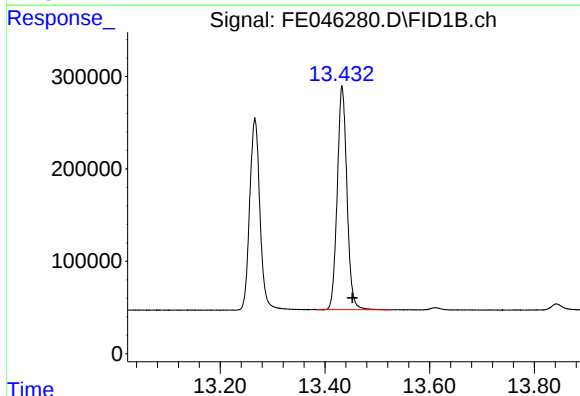
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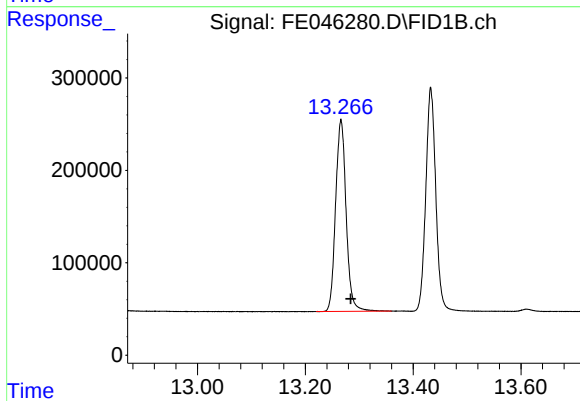
#10 n-Eicosane (C20)

R.T.: 12.821 min
Delta R.T.: -0.018 min
Response: 3183949
Conc: 21.05 ug/ml



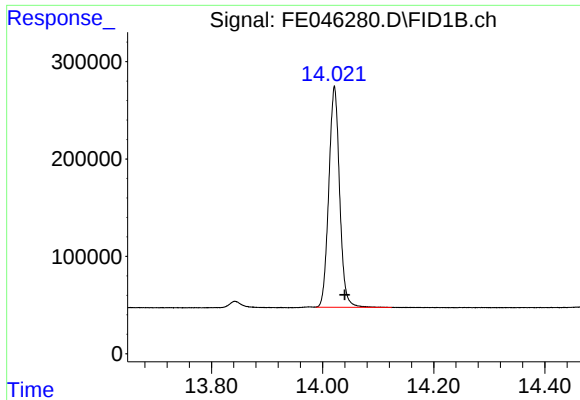
#11 n-Heneicosane (C21)

R.T.: 13.433 min
Delta R.T.: -0.020 min
Response: 3114560
Conc: 21.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.266 min
Delta R.T.: -0.018 min
Response: 2812664
Conc: 21.05 ug/ml



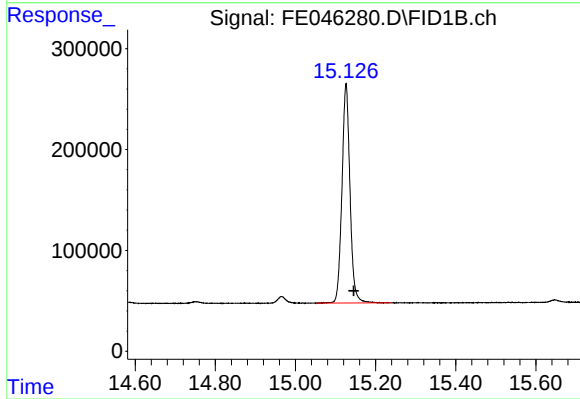
#13 n-Docosane (C22)

R.T.: 14.021 min
Delta R.T.: -0.018 min
Response: 3062284
Conc: 20.95 ug/ml

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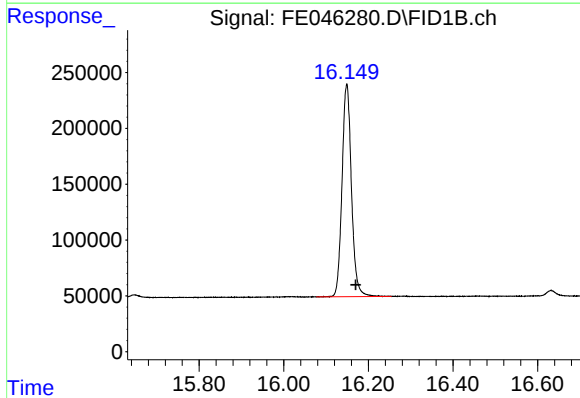
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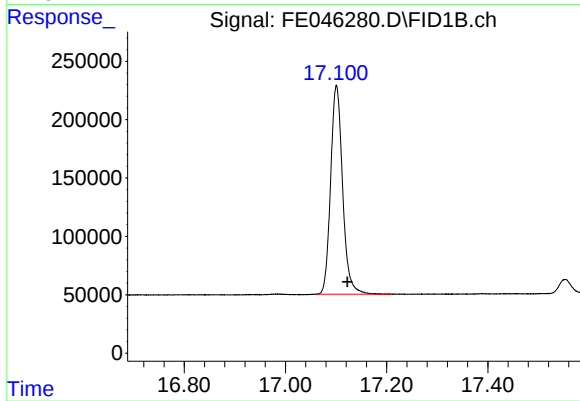
#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.019 min
Response: 3022808
Conc: 20.84 ug/ml



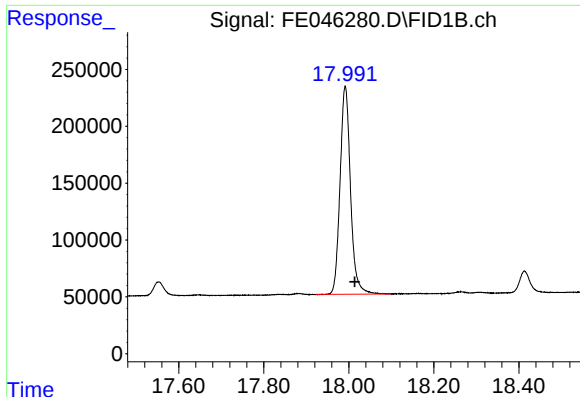
#15 n-Hexacosane (C26)

R.T.: 16.149 min
Delta R.T.: -0.021 min
Response: 2944708
Conc: 20.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.022 min
Response: 2939874
Conc: 20.50 ug/ml



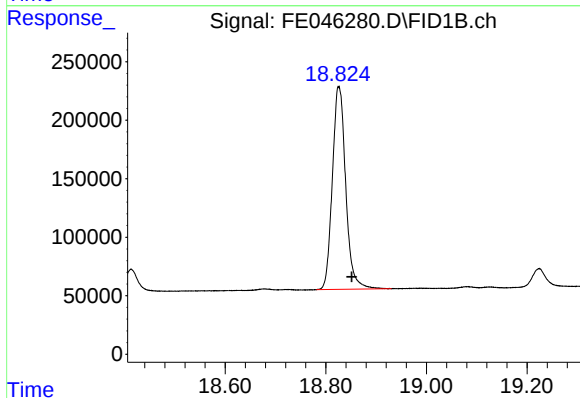
#17 n-Tricontane (C30)

R.T.: 17.992 min
Delta R.T.: -0.022 min
Response: 3123253
Conc: 21.01 ug/ml

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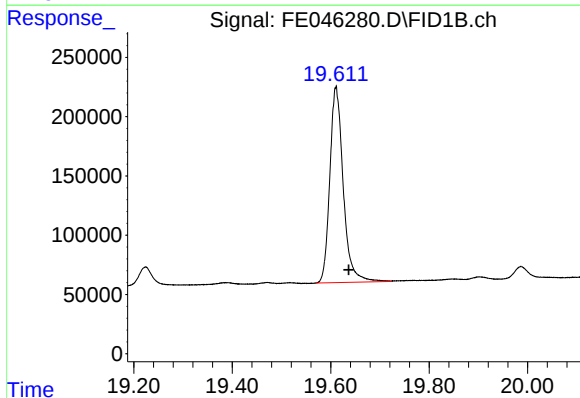
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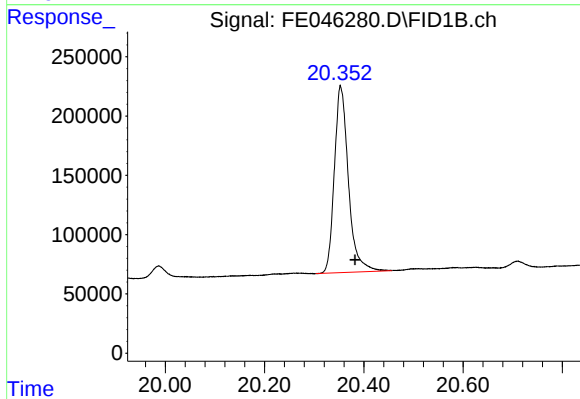
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.026 min
Response: 3194600
Conc: 21.36 ug/ml



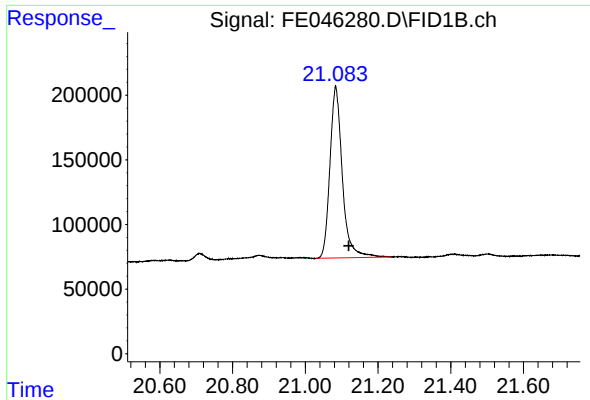
#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.026 min
Response: 3126479
Conc: 21.82 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.030 min
Response: 3092799
Conc: 21.21 ug/ml m



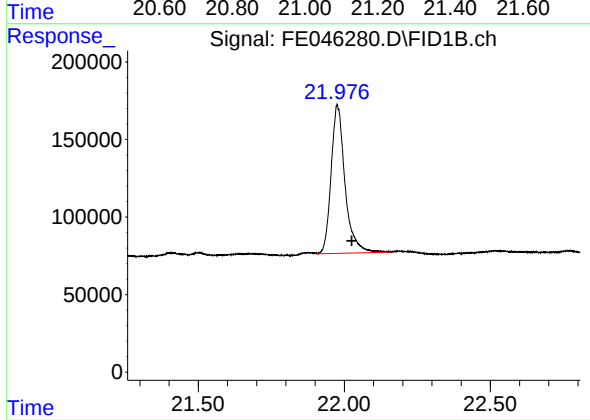
#21 n-Octatriacontane (C38)

R.T.: 21.083 min
Delta R.T.: -0.037 min
Response: 3140792
Conc: 21.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.975 min
Delta R.T.: -0.050 min
Response: 3164002
Conc: 20.21 ug/ml