

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112923AL\
 Data File : FE045569.D
 Signal(s) : FID1B.ch
 Acq On : 29 Nov 2023 12:45
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/30/2023
 Supervised By :Ankita Jodhani 11/30/2023

Integration File: autoint1.e
 Quant Time: Nov 29 23:46:51 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 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)	11.866	3741417	19.596 ug/ml
Spiked Amount 50.000		Recovery =	39.19%
12) S 1-chlorooctadecane (S...	13.310	2646768	19.216 ug/ml
Spiked Amount 50.000		Recovery =	38.43%
Target Compounds			
1) T n-Nonane (C9)	3.248	3178713	19.242 ug/ml
2) T n-Decane (C10)	4.499	3245823	19.357 ug/ml
3) T A~Naphthalene (C11.7)	6.200	3392914	19.008 ug/ml
4) T n-Dodecane (C12)	6.667	3240303	19.186 ug/ml
5) T A~2-methylnaphthalene...	7.297	3224534	18.778 ug/ml
6) T n-Tetradecane (C14)	8.495	3212110	19.273 ug/ml
7) T n-Hexadecane (C16)	10.107	3239824	19.261 ug/ml
8) T n-Octadecane (C18)	11.553	3258997	19.472 ug/ml
10) T n-Eicosane (C20)	12.866	3115507	19.668 ug/ml
11) T n-Heneicosane (C21)	13.479	3052348	19.852 ug/ml
13) T n-Docosane (C22)	14.066	2998190	19.788 ug/ml
14) T n-Tetracosane (C24)	15.172	2990553	20.191 ug/mlm
15) T n-Hexacosane (C26)	16.195	2981797	20.458 ug/ml
16) T n-Octacosane (C28)	17.147	3033653	20.760 ug/ml
17) T n-Tricontane (C30)	18.036	3147156	20.719 ug/ml
18) T n-Dotriacontane (C32)	18.871	3257207	20.850 ug/ml
19) T n-Tetratriacontane (C34)	19.656	3164897	20.270 ug/mlm
20) T n-Hexatriacontane (C36)	20.398	3259761	20.083 ug/ml
21) T n-Octatriacontane (C38)	21.135	3101617	18.668 ug/ml
22) T n-Tetracontane (C40)	22.044	3193984	18.699 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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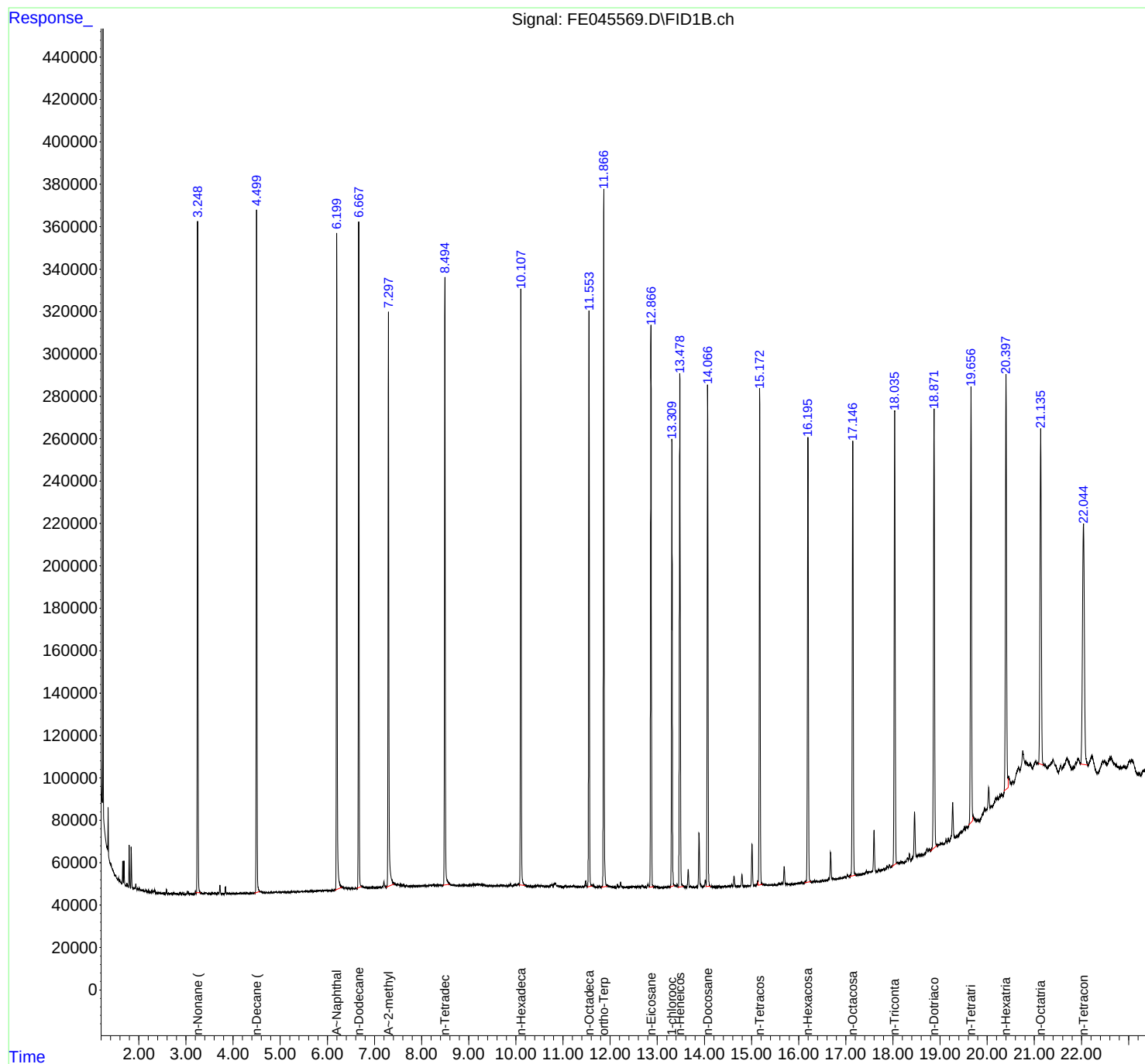
Instrument :
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20 PPM ALIPHATIC HC STD

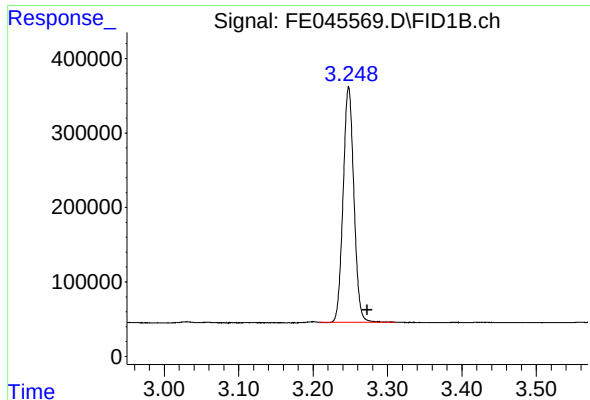
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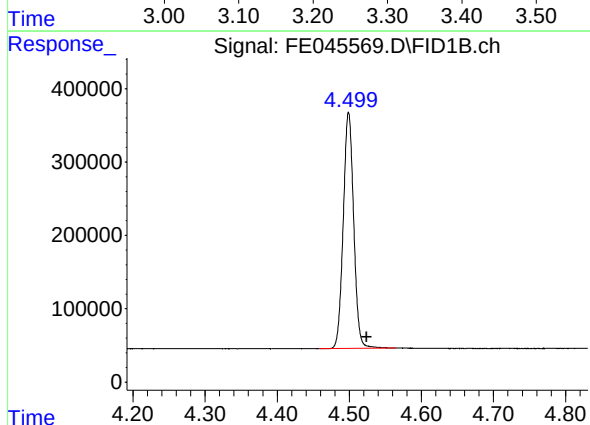
#1 n-Nonane (C9)

R.T.: 3.248 min
Delta R.T.: -0.025 min
Response: 3178713
Conc: 19.24 ug/ml

Instrument :
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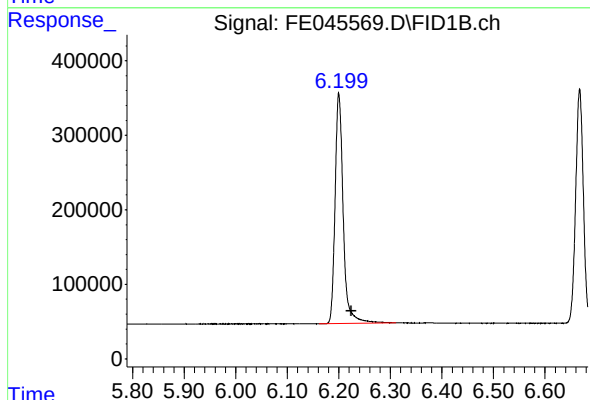
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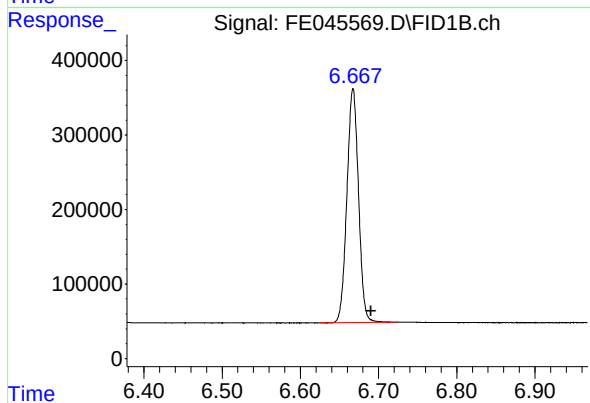
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.025 min
Response: 3245823
Conc: 19.36 ug/ml



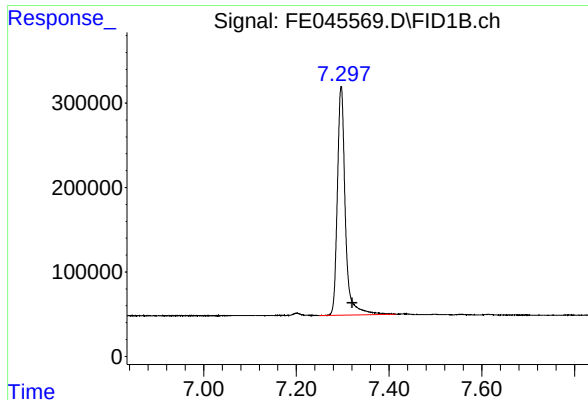
#3 A~Naphthalene (C11.7)

R.T.: 6.200 min
Delta R.T.: -0.025 min
Response: 3392914
Conc: 19.01 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.667 min
Delta R.T.: -0.023 min
Response: 3240303
Conc: 19.19 ug/ml



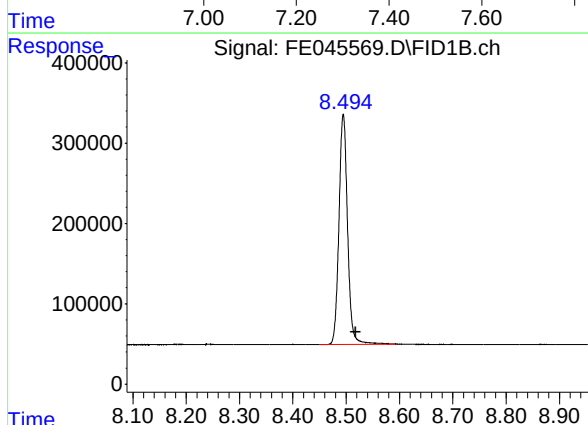
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.024 min
Response: 3224534
Conc: 18.78 ug/ml

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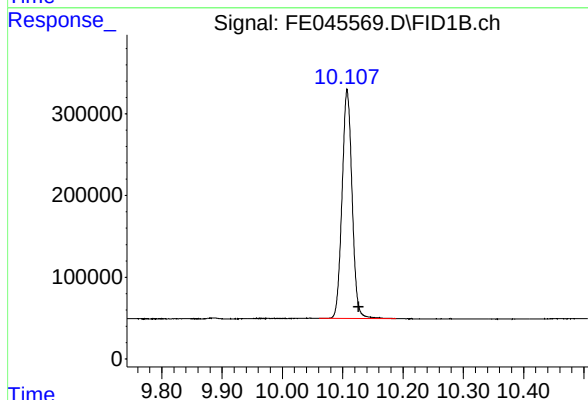
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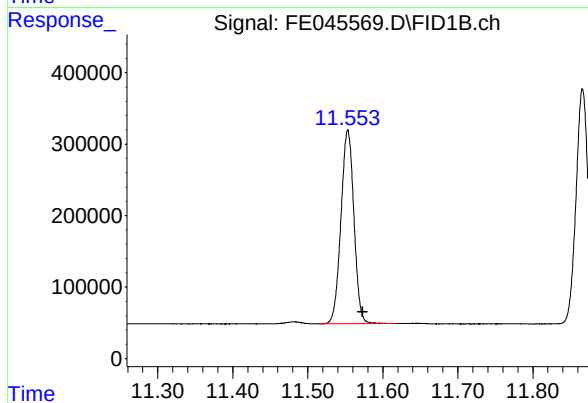
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: -0.023 min
Response: 3212110
Conc: 19.27 ug/ml



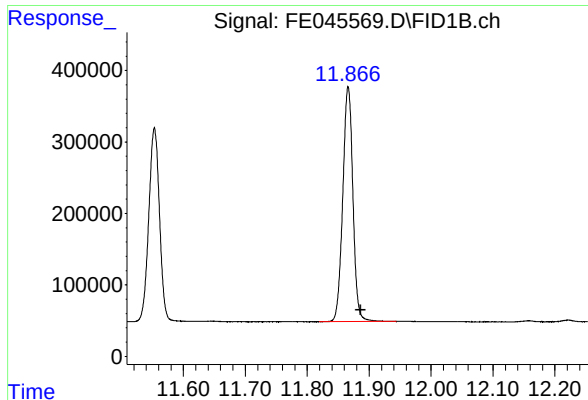
#7 n-Hexadecane (C16)

R.T.: 10.107 min
Delta R.T.: -0.019 min
Response: 3239824
Conc: 19.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.553 min
Delta R.T.: -0.020 min
Response: 3258997
Conc: 19.47 ug/ml



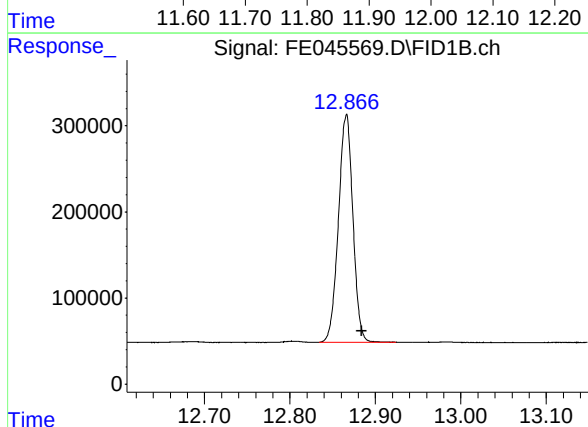
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.020 min
Response: 3741417
Conc: 19.60 ug/ml

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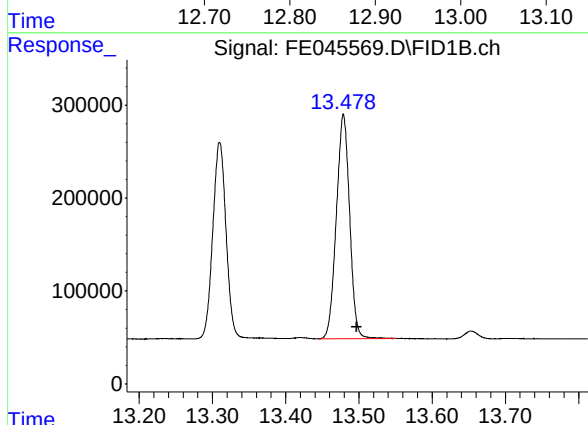
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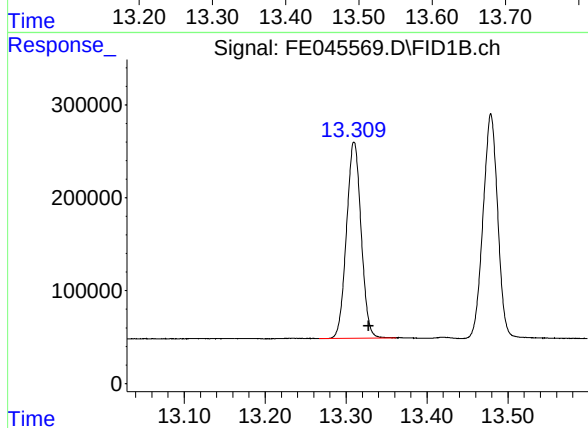
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.018 min
Response: 3115507
Conc: 19.67 ug/ml



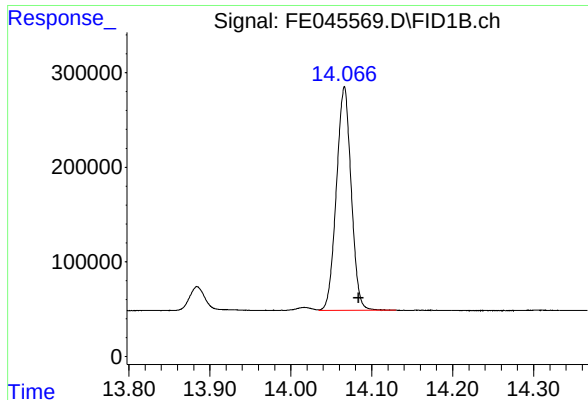
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: -0.018 min
Response: 3052348
Conc: 19.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.310 min
Delta R.T.: -0.018 min
Response: 2646768
Conc: 19.22 ug/ml



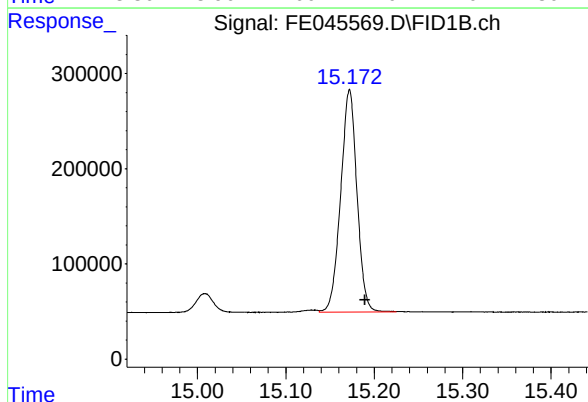
#13 n-Docosane (C22)

R.T.: 14.066 min
Delta R.T.: -0.018 min
Response: 2998190
Conc: 19.79 ug/ml

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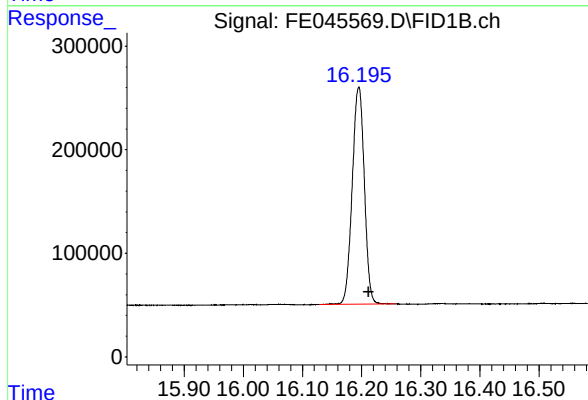
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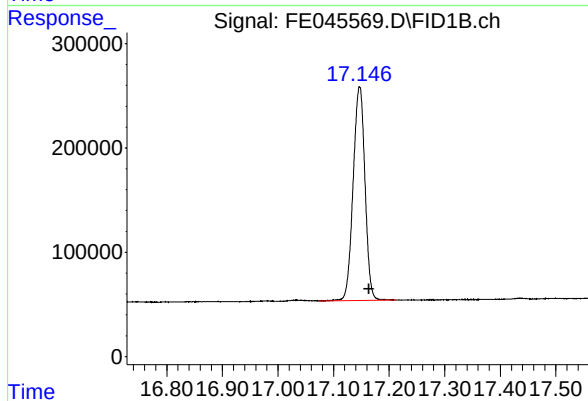
#14 n-Tetracosane (C24)

R.T.: 15.172 min
Delta R.T.: -0.017 min
Response: 2990553
Conc: 20.19 ug/ml m



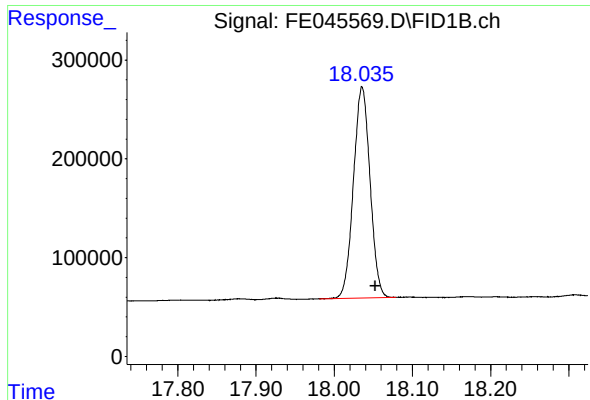
#15 n-Hexacosane (C26)

R.T.: 16.195 min
Delta R.T.: -0.016 min
Response: 2981797
Conc: 20.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.147 min
Delta R.T.: -0.017 min
Response: 3033653
Conc: 20.76 ug/ml



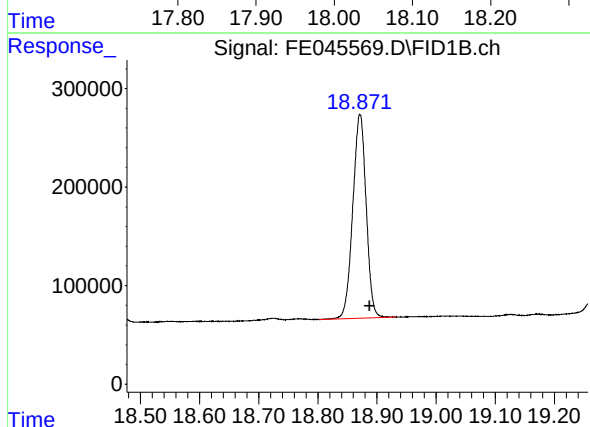
#17 n-Tricontane (C30)

R.T.: 18.036 min
Delta R.T.: -0.017 min
Response: 3147156
Conc: 20.72 ug/ml

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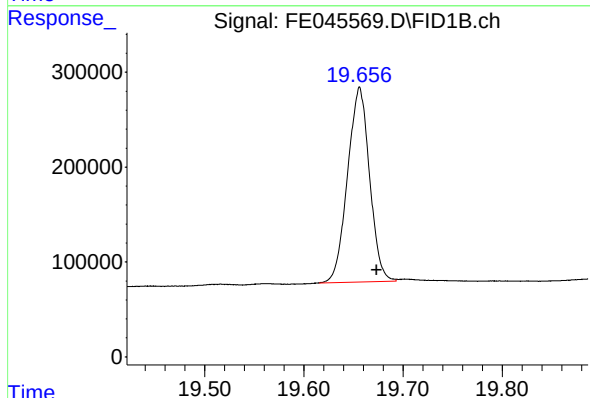
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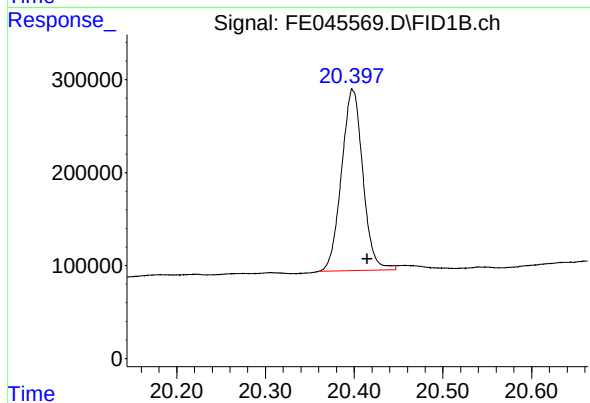
#18 n-Dotriacontane (C32)

R.T.: 18.871 min
Delta R.T.: -0.016 min
Response: 3257207
Conc: 20.85 ug/ml



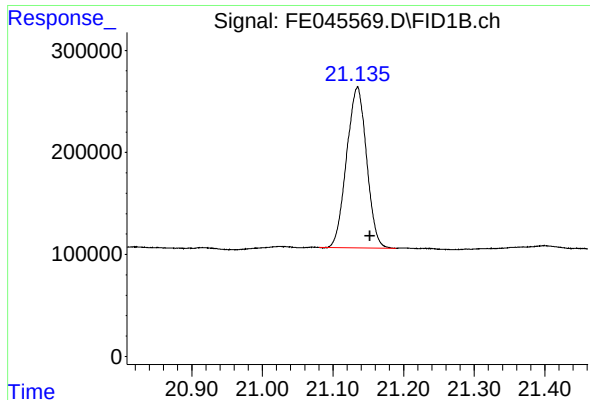
#19 n-Tetratriacontane (C34)

R.T.: 19.656 min
Delta R.T.: -0.018 min
Response: 3164897
Conc: 20.27 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.398 min
Delta R.T.: -0.017 min
Response: 3259761
Conc: 20.08 ug/ml



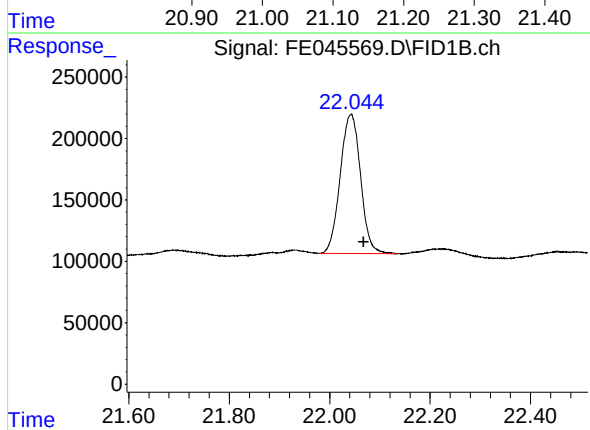
#21 n-Octatriacontane (C38)

R.T.: 21.135 min
Delta R.T.: -0.018 min
Response: 3101617
Conc: 18.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.044 min
Delta R.T.: -0.024 min
Response: 3193984
Conc: 18.70 ug/ml m