

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090324AL\
 Data File : FE049891.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2024 13:43
 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 09/04/2024
 Supervised By :Ankita Jodhani 09/04/2024

Integration File: autoint1.e
 Quant Time: Sep 04 01:32:18 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	3296377	20.384 ug/ml
Spiked Amount 50.000		Recovery =	40.77%
12) S 1-chlorooctadecane (S...	13.313	2516211	20.624 ug/ml
Spiked Amount 50.000		Recovery =	41.25%
Target Compounds			
1) T n-Nonane (C9)	3.268	3105793	20.069 ug/ml
2) T n-Decane (C10)	4.519	3167847	20.064 ug/ml
3) T A~Naphthalene (C11.7)	6.226	3245744	20.229 ug/ml
4) T n-Dodecane (C12)	6.686	3175199	20.197 ug/ml
5) T A~2-methylnaphthalene...	7.322	3048876	20.359 ug/ml
6) T n-Tetradecane (C14)	8.513	3099052	20.074 ug/ml
7) T n-Hexadecane (C16)	10.118	3171691	20.308 ug/ml
8) T n-Octadecane (C18)	11.560	3206737	20.418 ug/ml
10) T n-Eicosane (C20)	12.868	3056130	20.469 ug/ml
11) T n-Heneicosane (C21)	13.479	3001175	20.458 ug/ml
13) T n-Docosane (C22)	14.064	2974556	20.408 ug/ml
14) T n-Tetracosane (C24)	15.165	2965327	20.385 ug/ml
15) T n-Hexacosane (C26)	16.185	2910046	20.163 ug/ml
16) T n-Octacosane (C28)	17.132	2917249	20.253 ug/ml
17) T n-Tricontane (C30)	18.020	2997104	20.020 ug/ml
18) T n-Dotriacontane (C32)	18.851	3020374	19.965 ug/ml
19) T n-Tetratriacontane (C34)	19.633	3069506	20.078 ug/ml
20) T n-Hexatriacontane (C36)	20.372	3075468	20.253 ug/mlm
21) T n-Octatriacontane (C38)	21.100	3119519	19.875 ug/ml
22) T n-Tetracontane (C40)	21.989	3082318	20.188 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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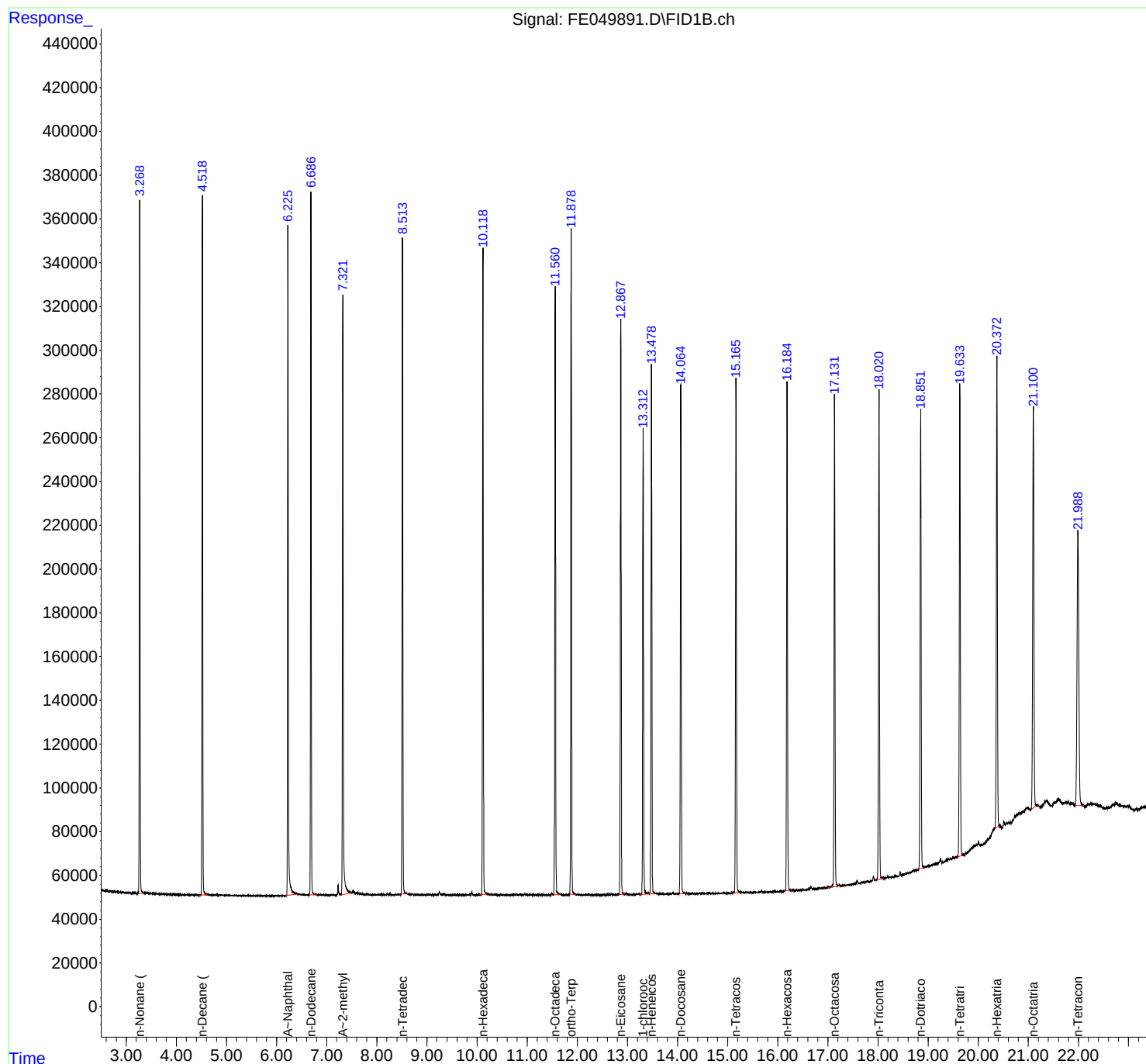
Instrument :
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20 PPM ALIPHATIC HC STD

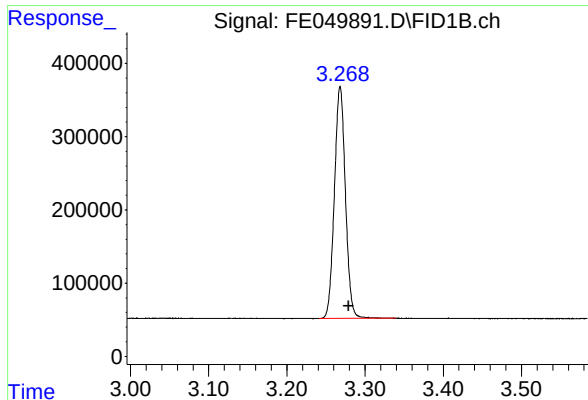
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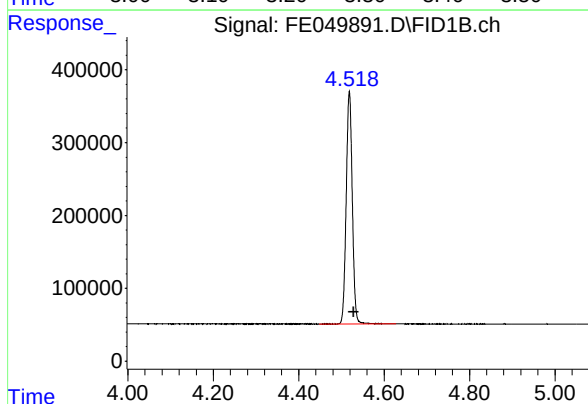
#1 n-Nonane (C9)

R.T.: 3.268 min
Delta R.T.: -0.011 min
Response: 3105793
Conc: 20.07 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

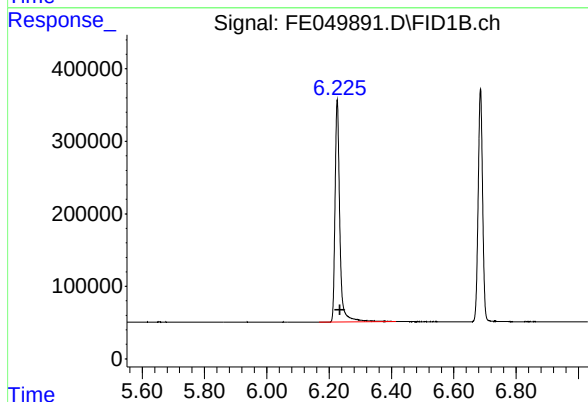
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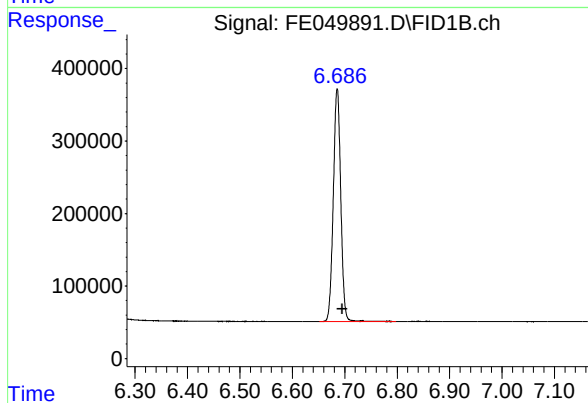
#2 n-Decane (C10)

R.T.: 4.519 min
Delta R.T.: -0.010 min
Response: 3167847
Conc: 20.06 ug/ml



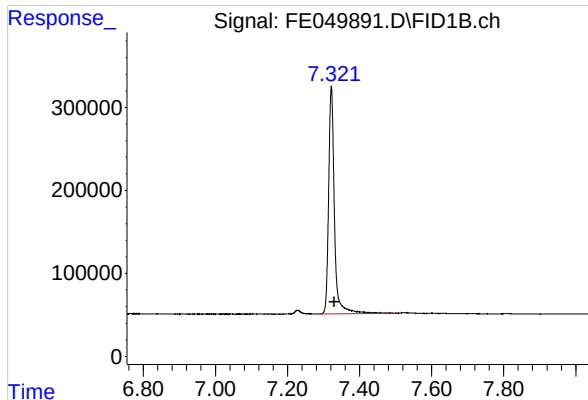
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: -0.009 min
Response: 3245744
Conc: 20.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.686 min
Delta R.T.: -0.010 min
Response: 3175199
Conc: 20.20 ug/ml



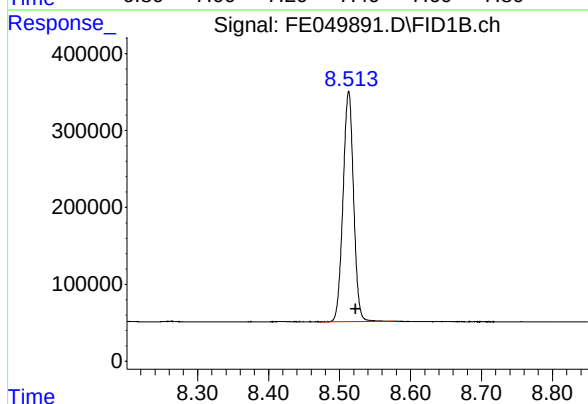
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min
Delta R.T.: -0.009 min
Response: 3048876
Conc: 20.36 ug/ml

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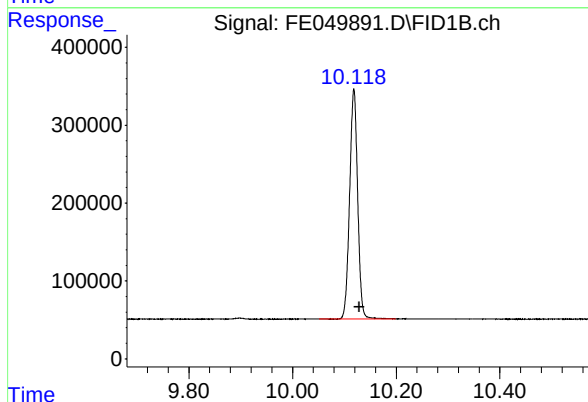
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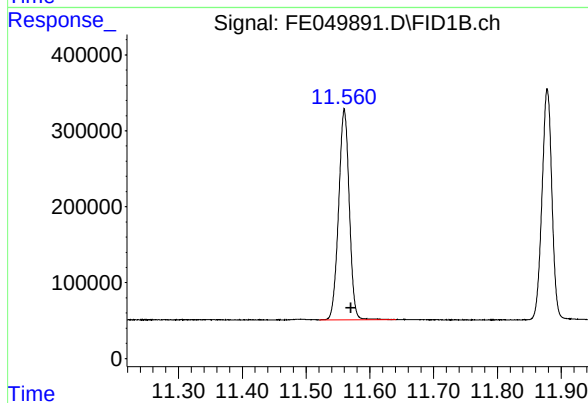
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.010 min
Response: 3099052
Conc: 20.07 ug/ml



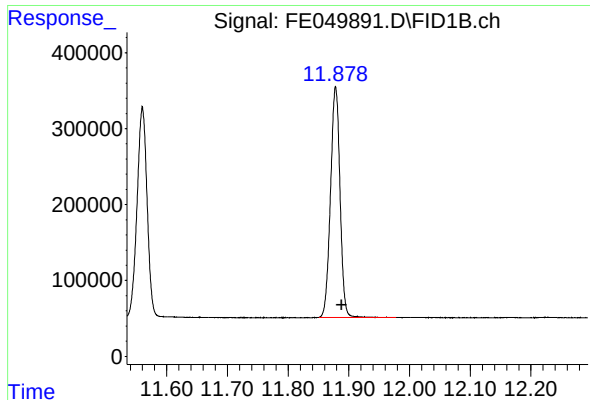
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: -0.011 min
Response: 3171691
Conc: 20.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.011 min
Response: 3206737
Conc: 20.42 ug/ml



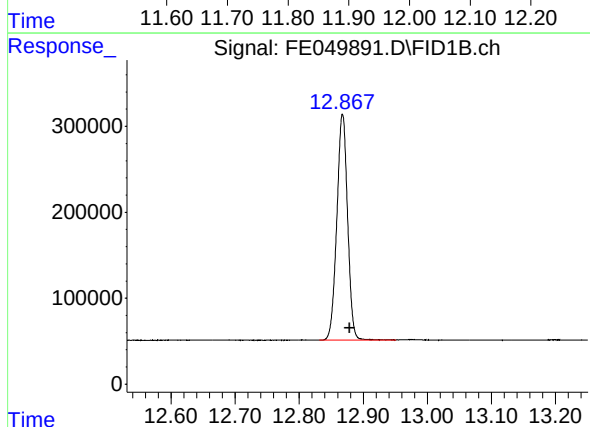
#9 ortho-Terphenyl (SURR)

R.T.: 11.878 min
Delta R.T.: -0.010 min
Response: 3296377
Conc: 20.38 ug/ml

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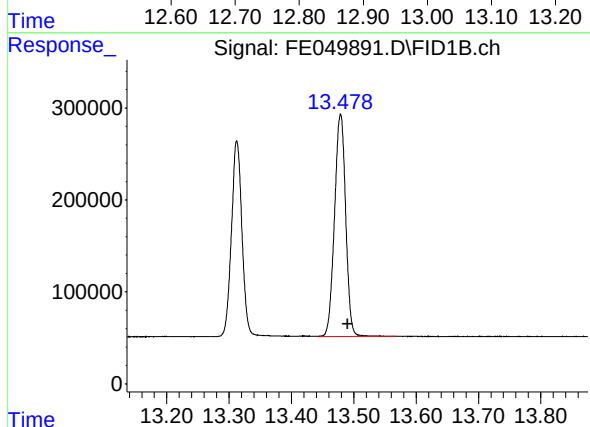
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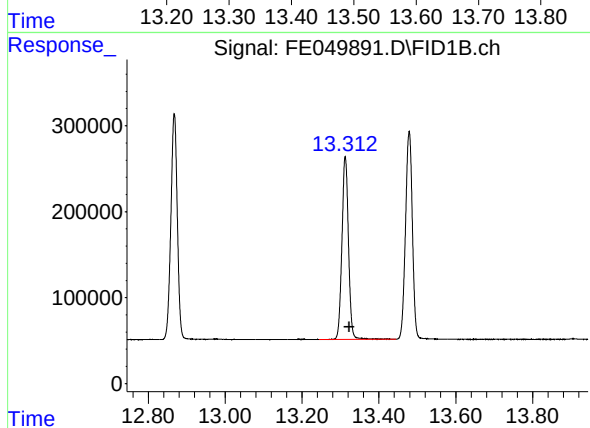
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: -0.011 min
Response: 3056130
Conc: 20.47 ug/ml



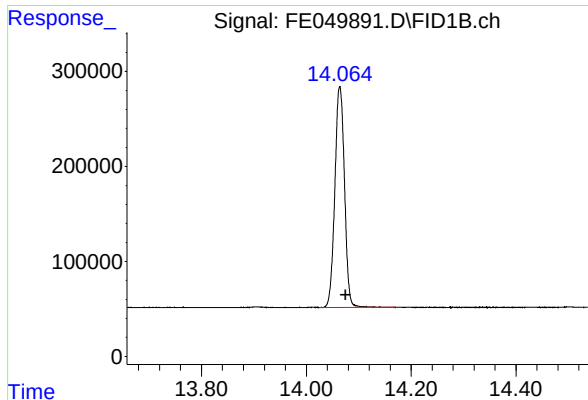
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: -0.011 min
Response: 3001175
Conc: 20.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.011 min
Response: 2516211
Conc: 20.62 ug/ml



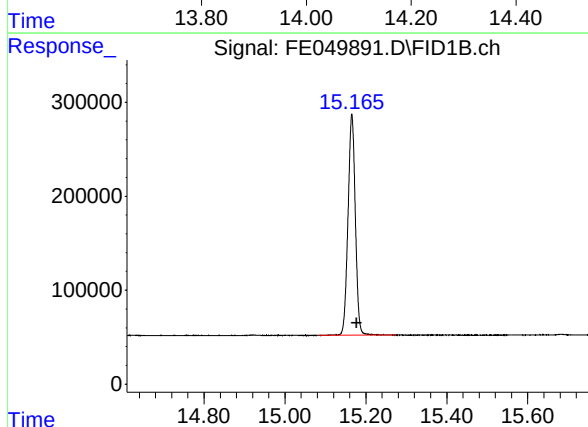
#13 n-Docosane (C22)

R.T.: 14.064 min
Delta R.T.: -0.011 min
Response: 2974556
Conc: 20.41 ug/ml

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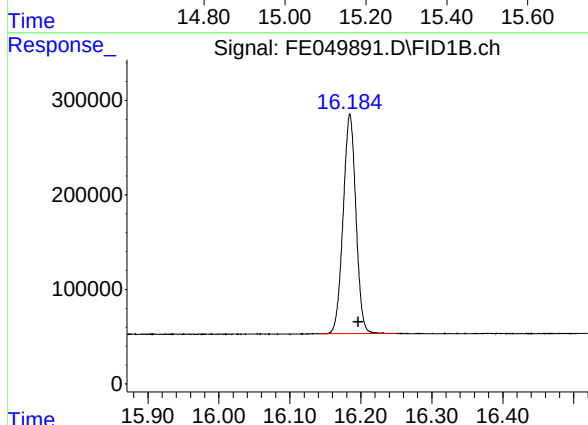
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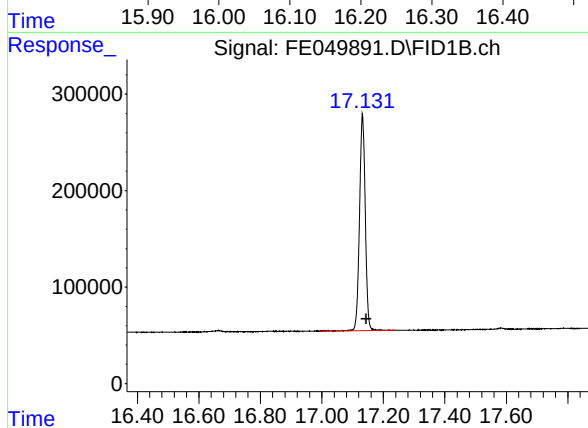
#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: -0.011 min
Response: 2965327
Conc: 20.39 ug/ml



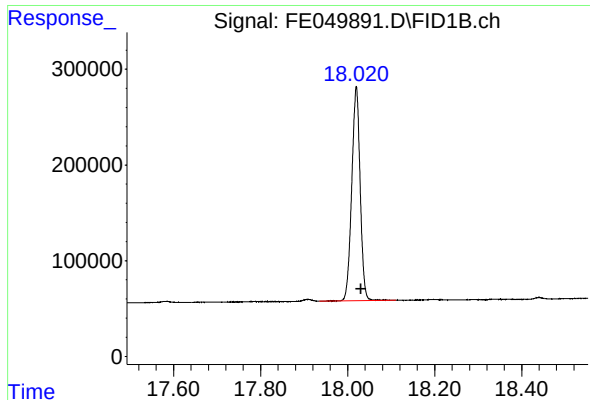
#15 n-Hexacosane (C26)

R.T.: 16.185 min
Delta R.T.: -0.012 min
Response: 2910046
Conc: 20.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.132 min
Delta R.T.: -0.013 min
Response: 2917249
Conc: 20.25 ug/ml



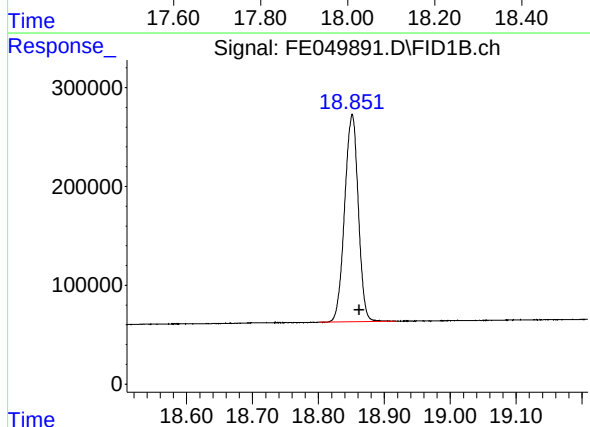
#17 n-Tricontane (C30)

R.T.: 18.020 min
Delta R.T.: -0.011 min
Response: 2997104
Conc: 20.02 ug/ml

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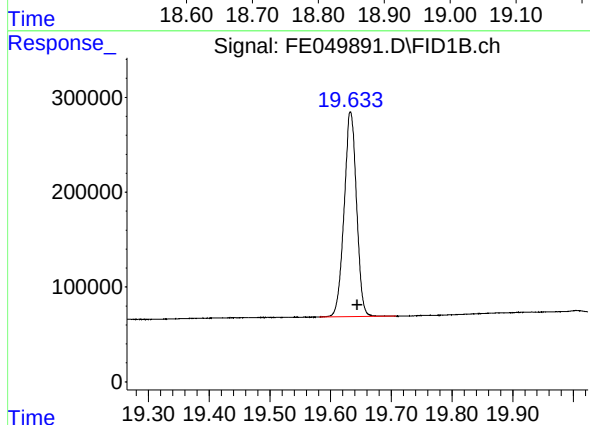
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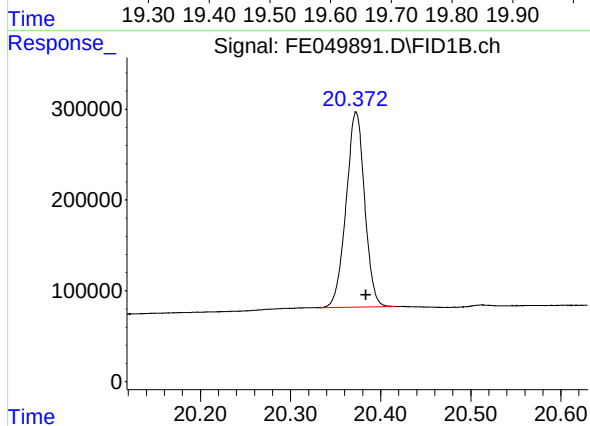
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: -0.011 min
Response: 3020374
Conc: 19.97 ug/ml



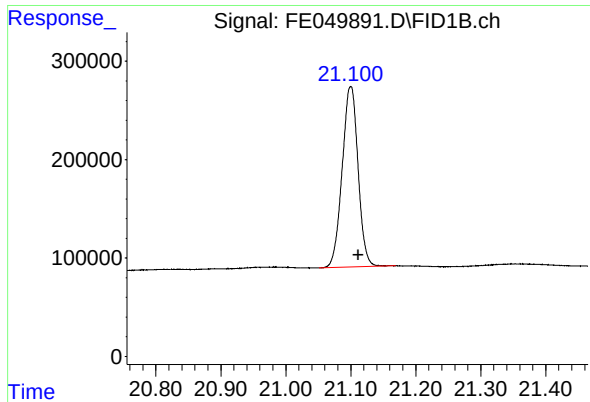
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.011 min
Response: 3069506
Conc: 20.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.012 min
Response: 3075468
Conc: 20.25 ug/ml m



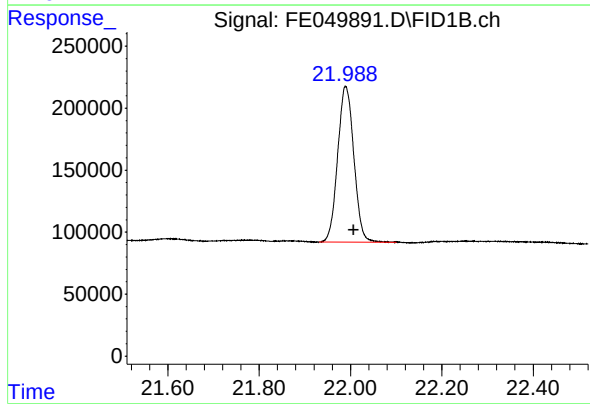
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.012 min
Response: 3119519
Conc: 19.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.989 min
Delta R.T.: -0.018 min
Response: 3082318
Conc: 20.19 ug/ml