

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100924AL\
 Data File : FE050560.D
 Signal(s) : FID1B.ch
 Acq On : 08 Oct 2024 22:09
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/09/2024
 Supervised By :Ankita Jodhani 10/09/2024

Integration File: autoint1.e
 Quant Time: Oct 09 02:11:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.862	3350251	21.250 ug/ml
Spiked Amount 50.000		Recovery =	42.50%
12) S 1-chlorooctadecane (S...	13.296	2526287	21.356 ug/ml
Spiked Amount 50.000		Recovery =	42.71%
Target Compounds			
1) T n-Nonane (C9)	3.252	3003247	21.256 ug/ml
2) T n-Decane (C10)	4.501	3088965	21.530 ug/ml
3) T A~Naphthalene (C11.7)	6.211	3107382	21.731 ug/ml
4) T n-Dodecane (C12)	6.668	3092592	21.486 ug/ml
5) T A~2-methylnaphthalene...	7.307	2895559	21.857 ug/ml
6) T n-Tetradecane (C14)	8.495	3068596	21.449 ug/ml
7) T n-Hexadecane (C16)	10.101	3156160	21.446 ug/ml
8) T n-Octadecane (C18)	11.543	3195233	21.391 ug/ml
10) T n-Eicosane (C20)	12.850	3042493	21.217 ug/ml
11) T n-Heneicosane (C21)	13.461	2972147	21.164 ug/ml
13) T n-Docosane (C22)	14.046	2955848	21.069 ug/ml
14) T n-Tetracosane (C24)	15.148	2945769	20.851 ug/ml
15) T n-Hexacosane (C26)	16.167	2942286	20.909 ug/ml
16) T n-Octacosane (C28)	17.116	3021704	20.650 ug/ml
17) T n-Tricontane (C30)	18.002	3259426	20.499 ug/ml
18) T n-Dotriacontane (C32)	18.834	3278287	20.222 ug/ml
19) T n-Tetratriacontane (C34)	19.616	3003033	20.444 ug/ml
20) T n-Hexatriacontane (C36)	20.355	2633848	20.769 ug/ml
21) T n-Octatriacontane (C38)	21.080	2520107	20.381 ug/ml
22) T n-Tetracontane (C40)	21.966	2277003	20.449 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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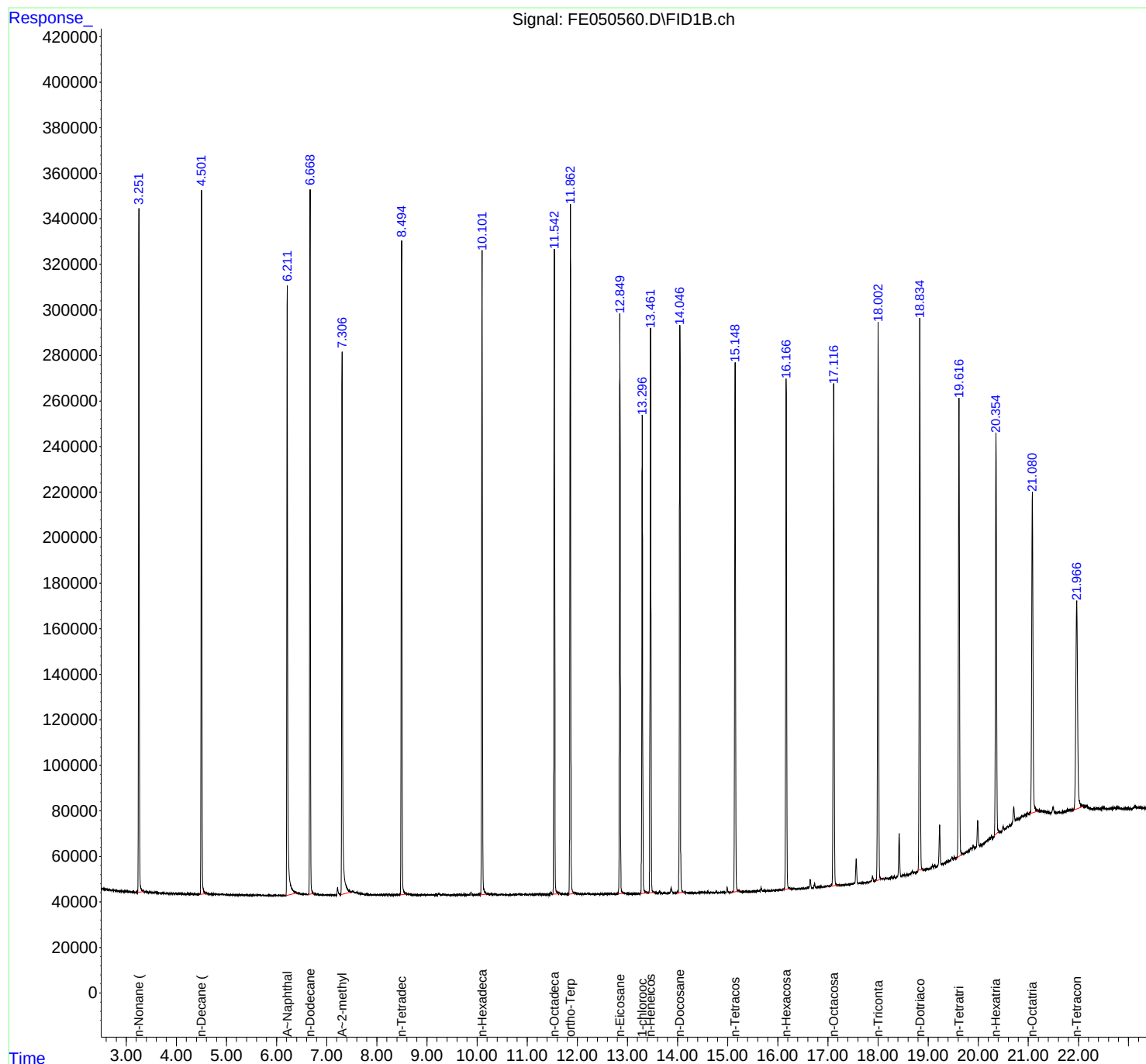
Instrument :
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20 PPM ALIPHATIC HC STD

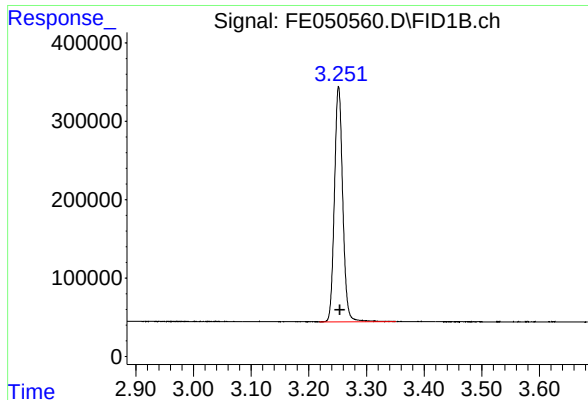
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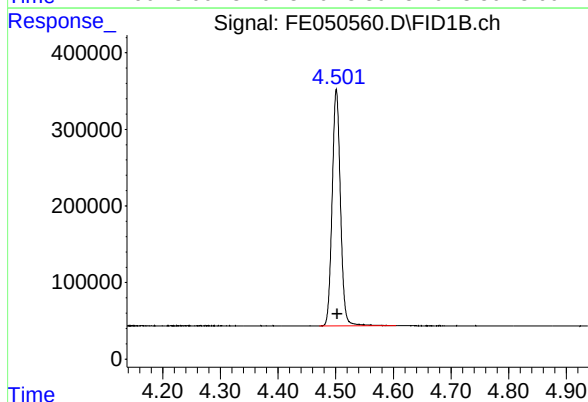
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: -0.002 min
Response: 3003247
Conc: 21.26 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

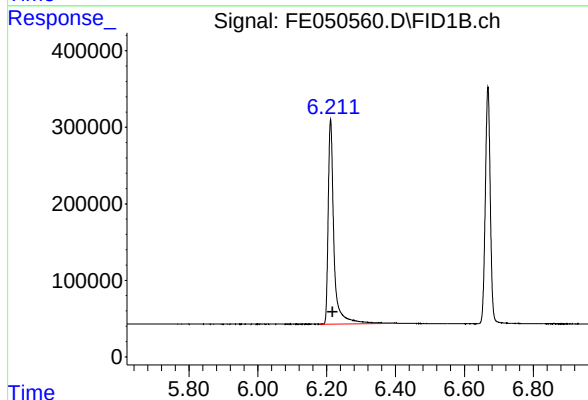
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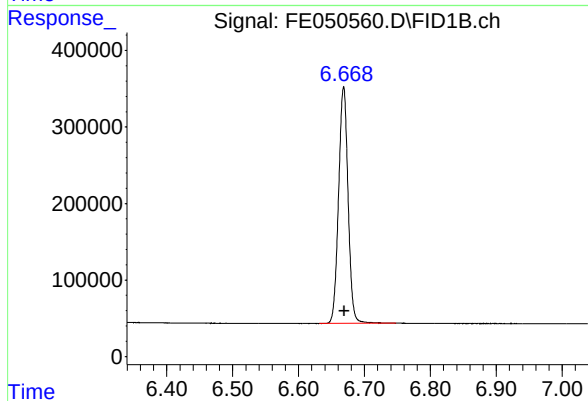
#2 n-Decane (C10)

R.T.: 4.501 min
Delta R.T.: -0.002 min
Response: 3088965
Conc: 21.53 ug/ml



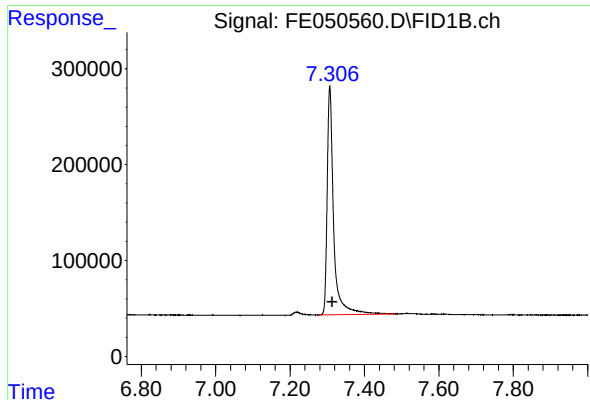
#3 A~Naphthalene (C11.7)

R.T.: 6.211 min
Delta R.T.: -0.005 min
Response: 3107382
Conc: 21.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.668 min
Delta R.T.: -0.001 min
Response: 3092592
Conc: 21.49 ug/ml



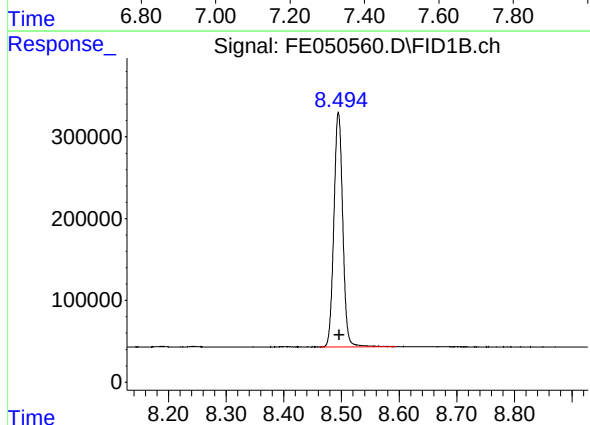
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.307 min
Delta R.T.: -0.006 min
Response: 2895559
Conc: 21.86 ug/ml

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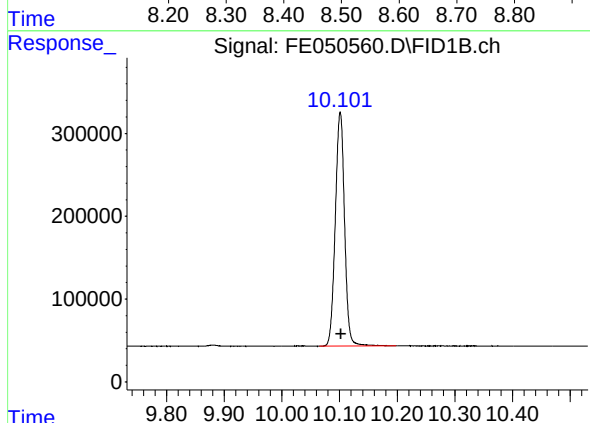
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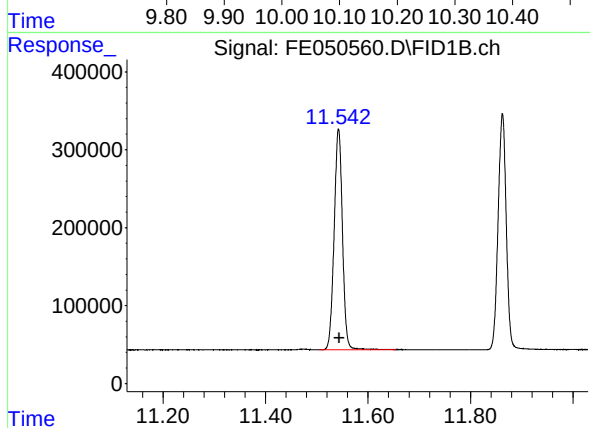
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: -0.002 min
Response: 3068596
Conc: 21.45 ug/ml



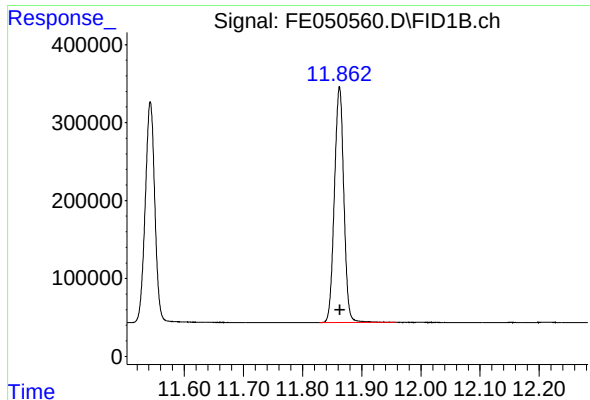
#7 n-Hexadecane (C16)

R.T.: 10.101 min
Delta R.T.: -0.001 min
Response: 3156160
Conc: 21.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.543 min
Delta R.T.: -0.001 min
Response: 3195233
Conc: 21.39 ug/ml



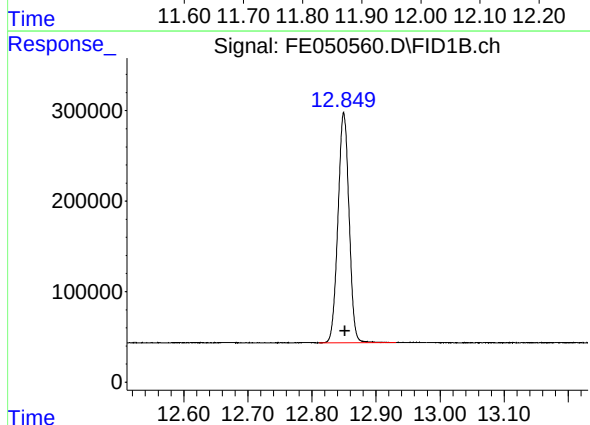
#9 ortho-Terphenyl (SURR)

R.T.: 11.862 min
Delta R.T.: 0.000 min
Response: 3350251
Conc: 21.25 ug/ml

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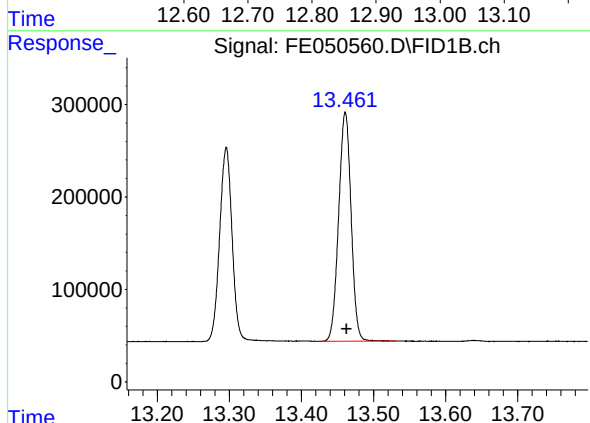
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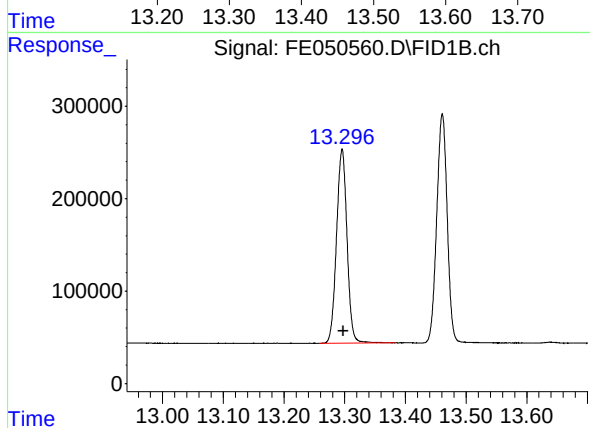
#10 n-Eicosane (C20)

R.T.: 12.850 min
Delta R.T.: -0.002 min
Response: 3042493
Conc: 21.22 ug/ml



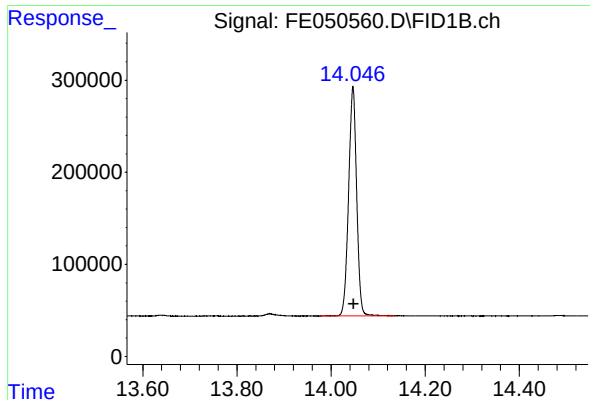
#11 n-Heneicosane (C21)

R.T.: 13.461 min
Delta R.T.: -0.002 min
Response: 2972147
Conc: 21.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.296 min
Delta R.T.: -0.002 min
Response: 2526287
Conc: 21.36 ug/ml



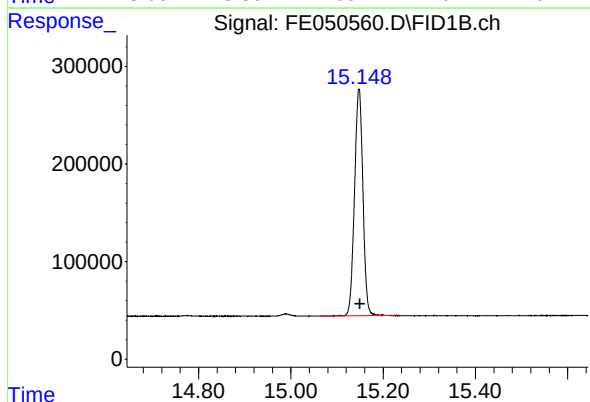
#13 n-Docosane (C22)

R.T.: 14.046 min
Delta R.T.: -0.001 min
Response: 2955848
Conc: 21.07 ug/ml

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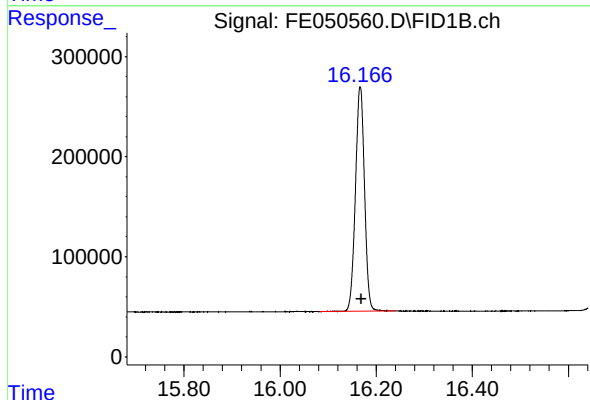
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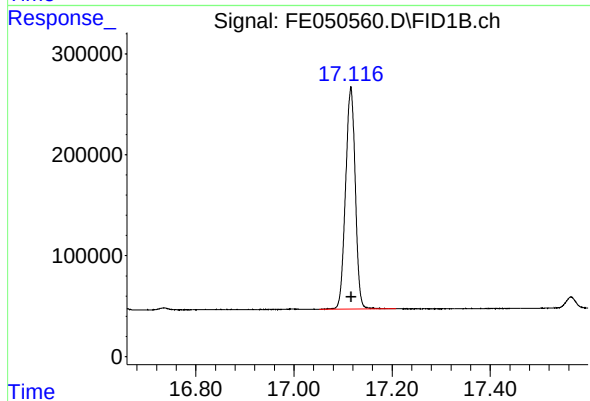
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.002 min
Response: 2945769
Conc: 20.85 ug/ml



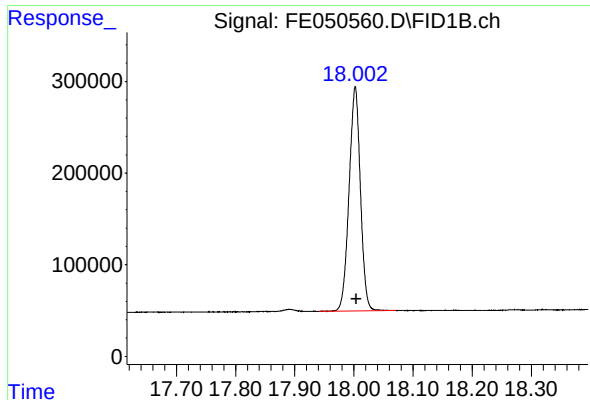
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: -0.002 min
Response: 2942286
Conc: 20.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.116 min
Delta R.T.: -0.002 min
Response: 3021704
Conc: 20.65 ug/ml



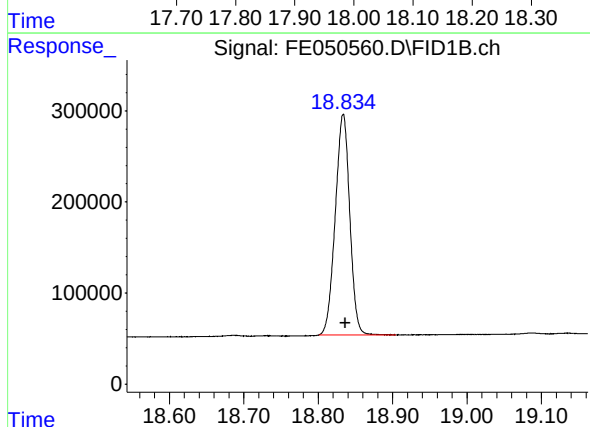
#17 n-Tricontane (C30)

R.T.: 18.002 min
Delta R.T.: -0.002 min
Response: 3259426
Conc: 20.50 ug/ml

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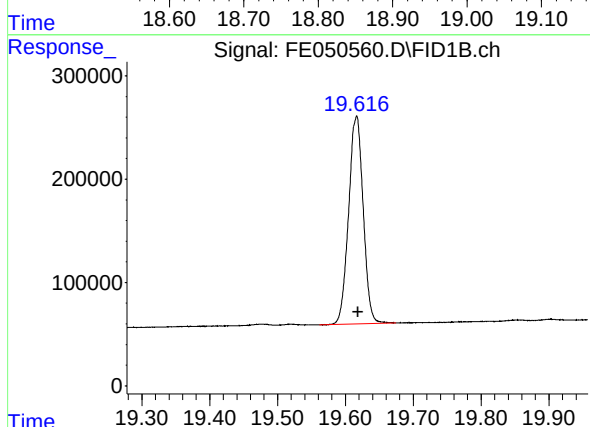
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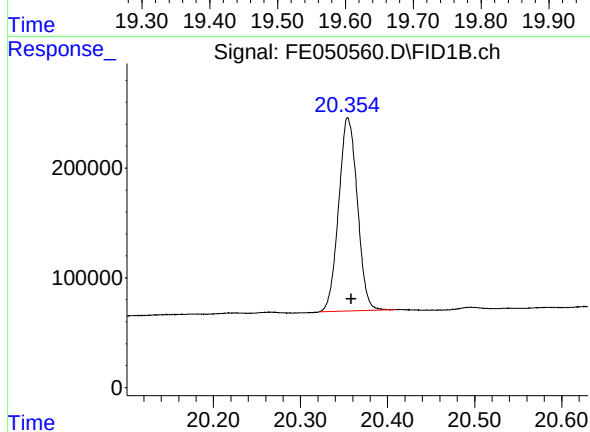
#18 n-Dotriacontane (C32)

R.T.: 18.834 min
Delta R.T.: -0.003 min
Response: 3278287
Conc: 20.22 ug/ml



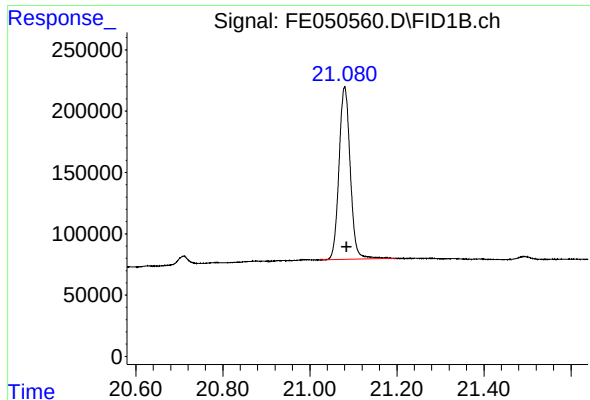
#19 n-Tetratriacontane (C34)

R.T.: 19.616 min
Delta R.T.: -0.003 min
Response: 3003033
Conc: 20.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.004 min
Response: 2633848
Conc: 20.77 ug/ml



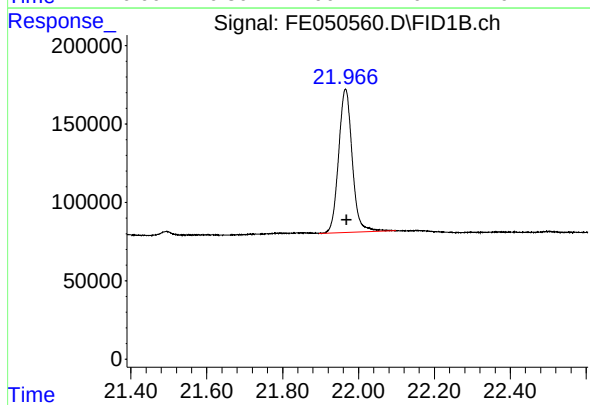
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.004 min
Response: 2520107
Conc: 20.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: -0.003 min
Response: 2277003
Conc: 20.45 ug/ml m