

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092424AL\
 Data File : FE050318.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2024 09:29
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File: autoint1.e
 Quant Time: Sep 25 02:47:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.867	2835561	19.059 ug/ml
Spiked Amount 50.000		Recovery =	38.12%
12) S 1-chlorooctadecane (S...	13.301	2150260	19.143 ug/ml
Spiked Amount 50.000		Recovery =	38.29%
Target Compounds			
1) T n-Nonane (C9)	3.257	2494774	18.405 ug/ml
2) T n-Decane (C10)	4.507	2600537	18.843 ug/ml
3) T A~Naphthalene (C11.7)	6.217	2643029	18.883 ug/ml
4) T n-Dodecane (C12)	6.674	2591082	18.737 ug/ml
5) T A~2-methylnaphthalene...	7.312	2479817	18.867 ug/ml
6) T n-Tetradecane (C14)	8.501	2587732	19.003 ug/ml
7) T n-Hexadecane (C16)	10.106	2652195	19.094 ug/ml
8) T n-Octadecane (C18)	11.547	2675598	19.098 ug/ml
10) T n-Eicosane (C20)	12.854	2563404	19.109 ug/mlm
11) T n-Heneicosane (C21)	13.467	2520280	19.181 ug/ml
13) T n-Docosane (C22)	14.051	2525329	19.393 ug/ml
14) T n-Tetracosane (C24)	15.152	2594724	19.869 ug/ml
15) T n-Hexacosane (C26)	16.172	2571928	20.103 ug/ml
16) T n-Octacosane (C28)	17.118	2702201	20.978 ug/ml
17) T n-Tricontane (C30)	18.006	2950586	22.065 ug/ml
18) T n-Dotriacontane (C32)	18.838	2993287	22.463 ug/ml
19) T n-Tetratriacontane (C34)	19.620	2727982	22.078 ug/ml
20) T n-Hexatriacontane (C36)	20.359	2406558	21.690 ug/ml
21) T n-Octatriacontane (C38)	21.083	2244584	20.354 ug/mlm
22) T n-Tetracontane (C40)	21.970	2045142	18.795 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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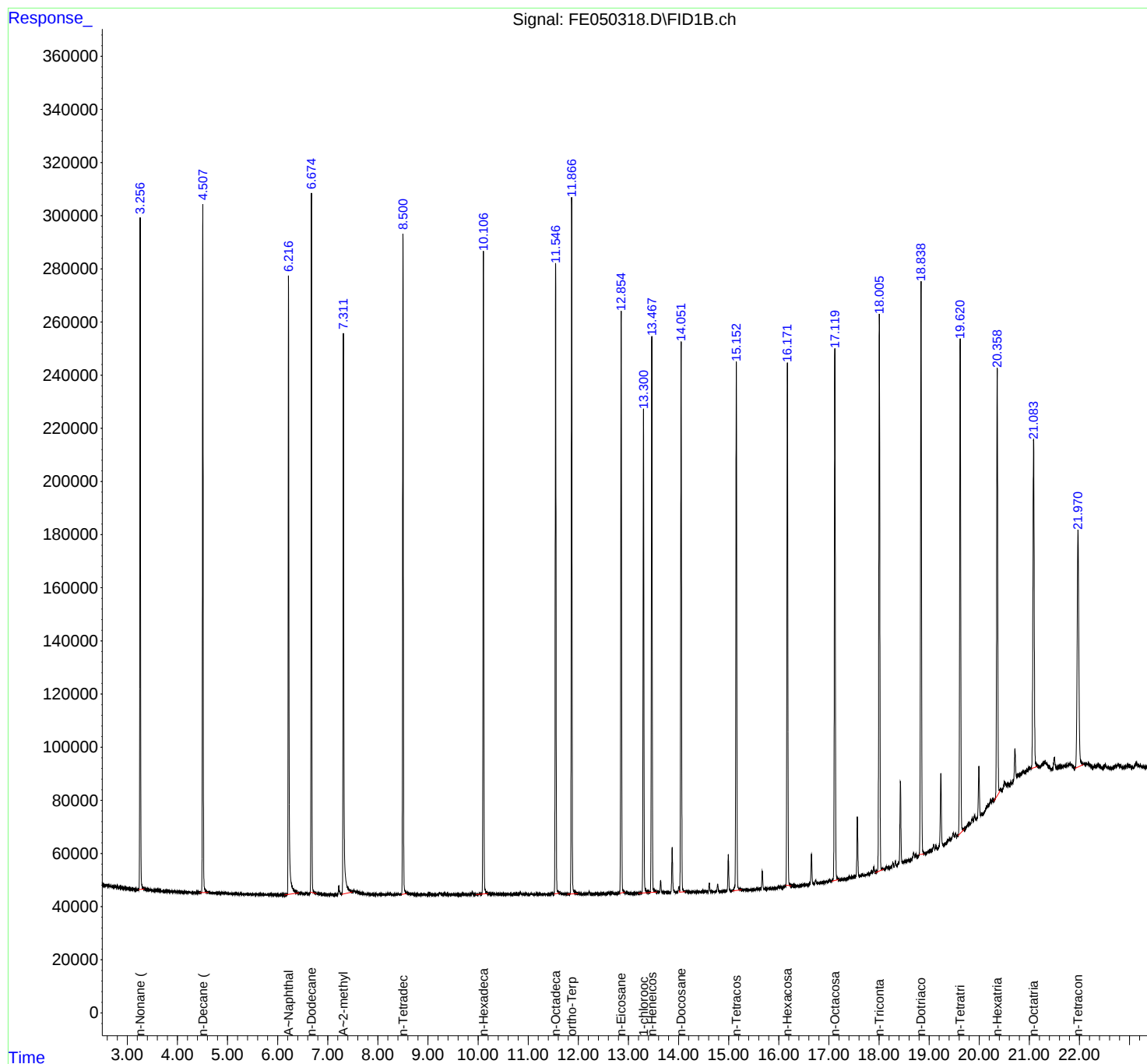
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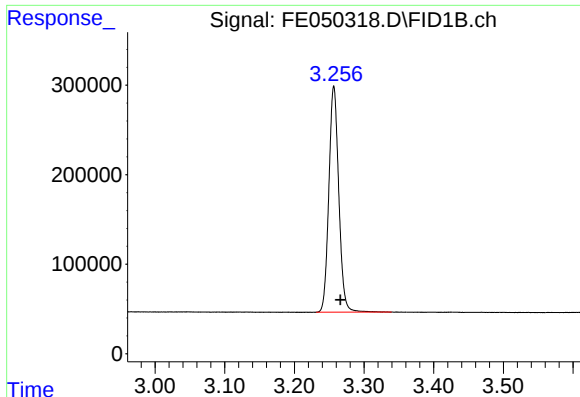
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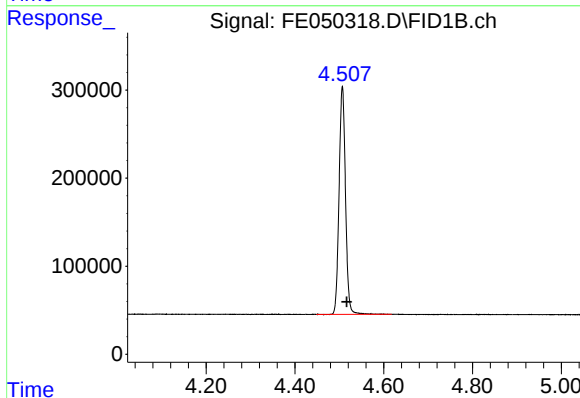
#1 n-Nonane (C9)

R.T.: 3.257 min
Delta R.T.: -0.009 min
Response: 2494774
Conc: 18.41 ug/ml

Instrument :
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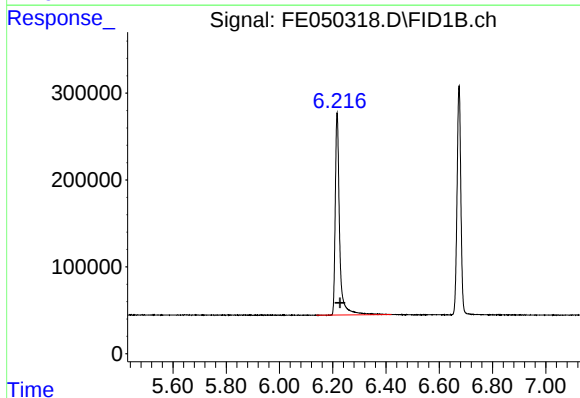
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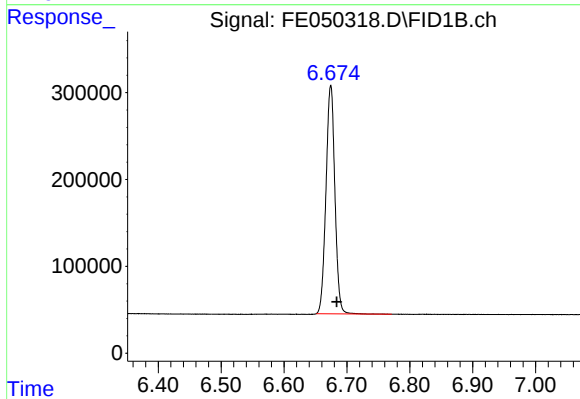
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 2600537
Conc: 18.84 ug/ml



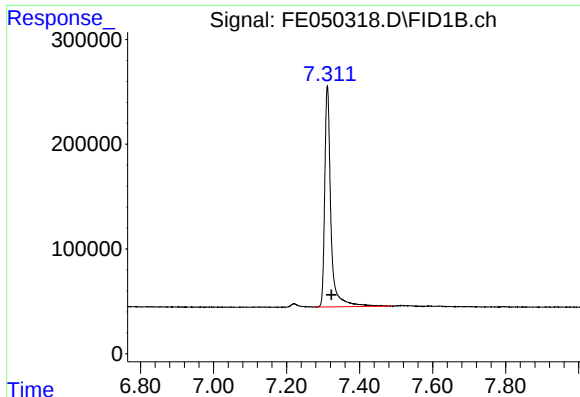
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.010 min
Response: 2643029
Conc: 18.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.010 min
Response: 2591082
Conc: 18.74 ug/ml



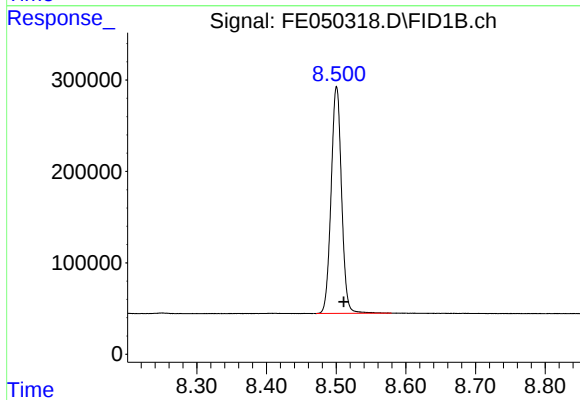
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2479817
Conc: 18.87 ug/ml

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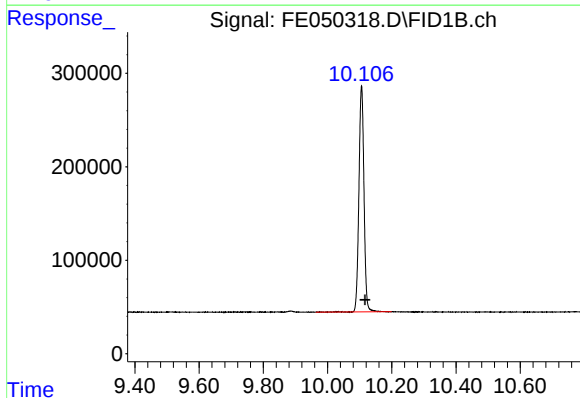
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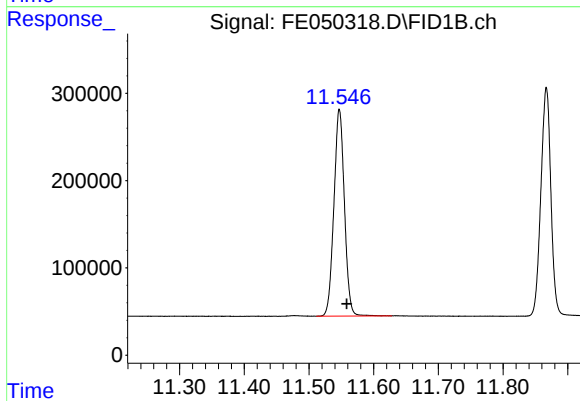
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.010 min
Response: 2587732
Conc: 19.00 ug/ml



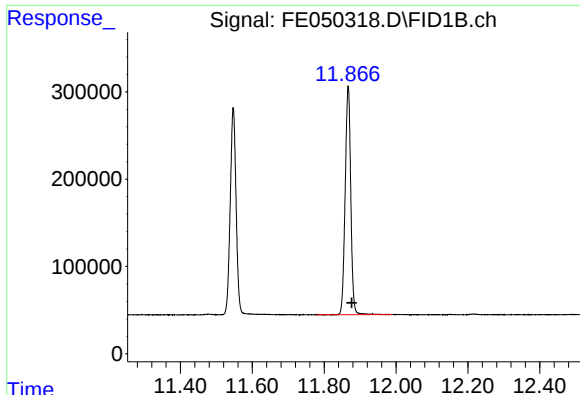
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.011 min
Response: 2652195
Conc: 19.09 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min
Delta R.T.: -0.011 min
Response: 2675598
Conc: 19.10 ug/ml



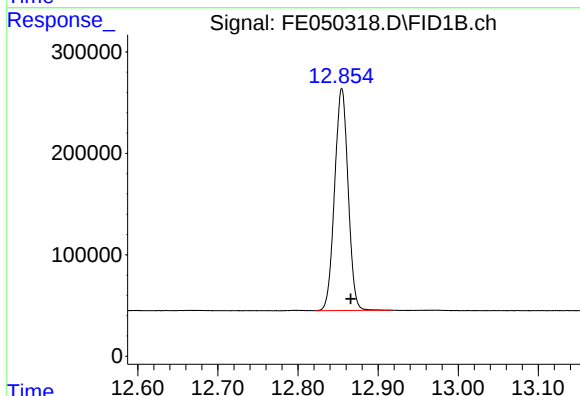
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.010 min
Response: 2835561
Conc: 19.06 ug/ml

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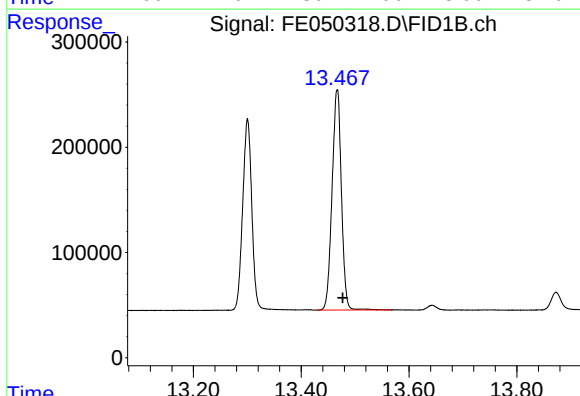
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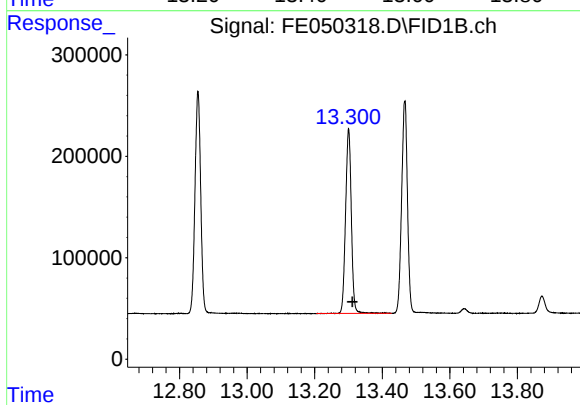
#10 n-Eicosane (C20)

R.T.: 12.854 min
Delta R.T.: -0.012 min
Response: 2563404
Conc: 19.11 ug/ml m



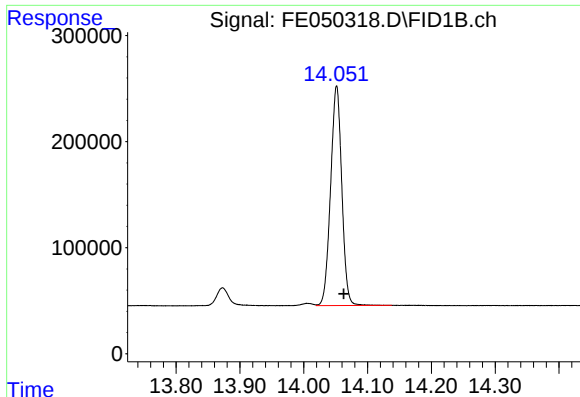
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: -0.011 min
Response: 2520280
Conc: 19.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min
Delta R.T.: -0.011 min
Response: 2150260
Conc: 19.14 ug/ml



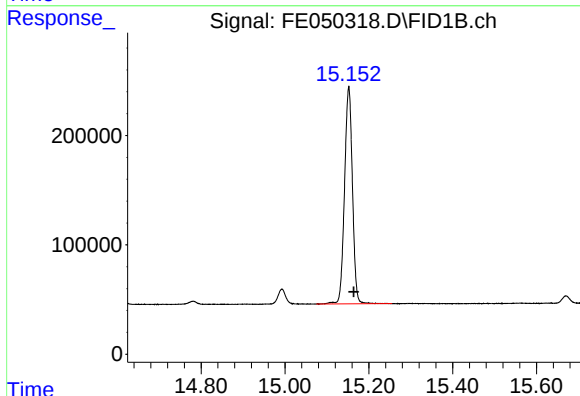
#13 n-Docosane (C22)

R.T.: 14.051 min
Delta R.T.: -0.011 min
Response: 2525329
Conc: 19.39 ug/ml

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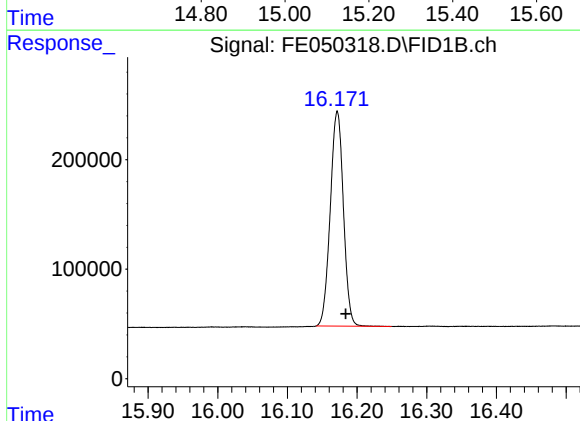
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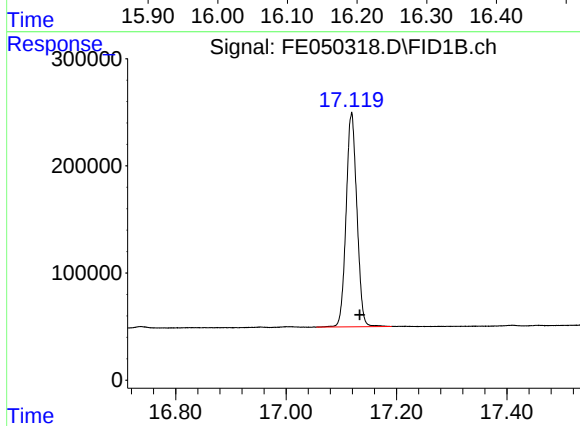
#14 n-Tetracosane (C24)

R.T.: 15.152 min
Delta R.T.: -0.012 min
Response: 2594724
Conc: 19.87 ug/ml



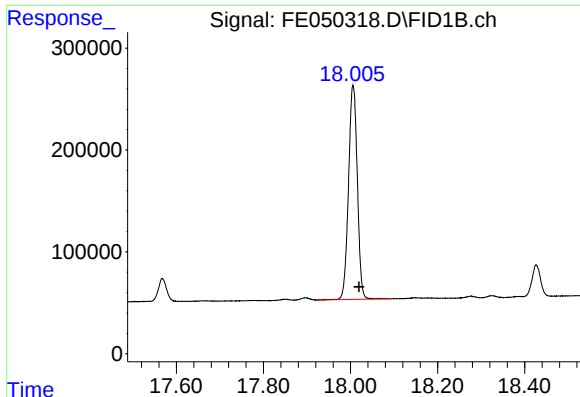
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.012 min
Response: 2571928
Conc: 20.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.118 min
Delta R.T.: -0.015 min
Response: 2702201
Conc: 20.98 ug/ml



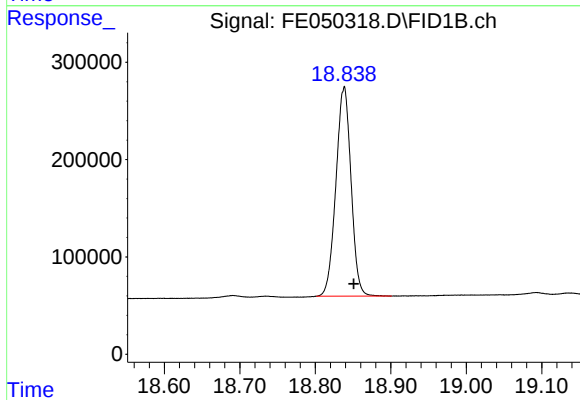
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: -0.014 min
Response: 2950586
Conc: 22.07 ug/ml

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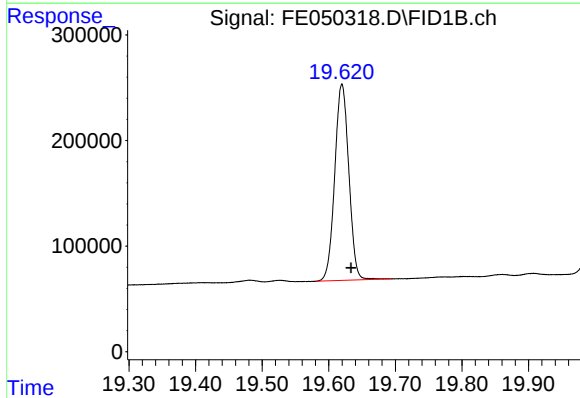
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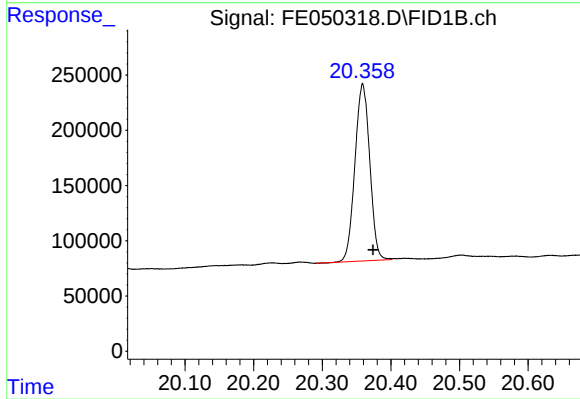
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.013 min
Response: 2993287
Conc: 22.46 ug/ml



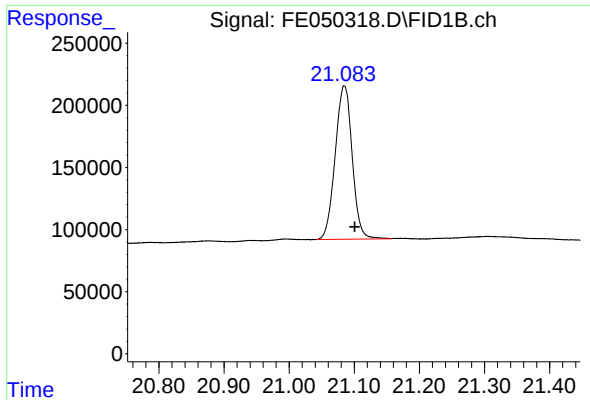
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.014 min
Response: 2727982
Conc: 22.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: -0.015 min
Response: 2406558
Conc: 21.69 ug/ml



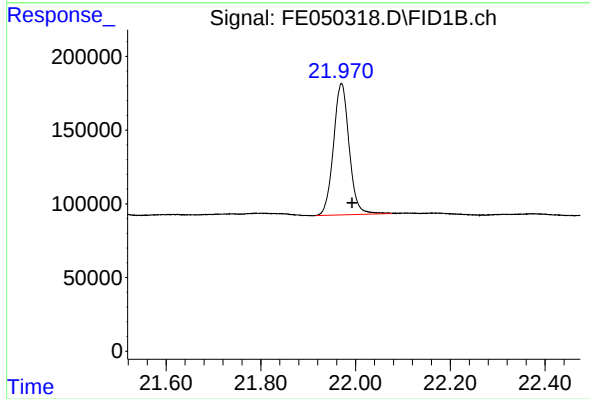
#21 n-Octatriacontane (C38)

R.T.: 21.083 min
Delta R.T.: -0.017 min
Response: 2244584
Conc: 20.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.023 min
Response: 2045142
Conc: 18.79 ug/ml m