

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040323AL\
 Data File : FE041143.D
 Signal(s) : FID1B.ch
 Acq On : 04 Apr 2023 01:33
 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 :Yogesh Patel 04/04/2023
 Supervised By :Ankita Jodhani 04/04/2023

Integration File: autoint1.e
 Quant Time: Apr 04 01:58:20 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.855	3504675	18.648 ug/ml
Spiked Amount 50.000		Recovery =	37.30%
12) S 1-chlorooctadecane (S...	13.296	2720676	18.909 ug/ml
Spiked Amount 50.000		Recovery =	37.82%
Target Compounds			
1) T n-Nonane (C9)	3.250	3203227	18.461 ug/ml
2) T n-Decane (C10)	4.497	3204913	18.828 ug/ml
3) T A~Naphthalene (C11.7)	6.201	3523340	19.263 ug/ml
4) T n-Dodecane (C12)	6.663	3262054	18.806 ug/ml
5) T A~2-methylnaphthalene...	7.296	3309472	19.983 ug/ml
6) T n-Tetradecane (C14)	8.490	3285481	18.843 ug/ml
7) T n-Hexadecane (C16)	10.097	3363140	18.910 ug/ml
8) T n-Octadecane (C18)	11.541	3370226	18.875 ug/ml
10) T n-Eicosane (C20)	12.850	3227405	18.921 ug/ml
11) T n-Heneicosane (C21)	13.463	3181332	18.804 ug/ml
13) T n-Docosane (C22)	14.050	3149429	19.031 ug/ml
14) T n-Tetracosane (C24)	15.155	3116777	19.265 ug/ml
15) T n-Hexacosane (C26)	16.177	3051597	19.686 ug/ml
16) T n-Octacosane (C28)	17.129	3142891	20.517 ug/ml
17) T n-Tricontane (C30)	18.019	3136607	20.520 ug/ml
18) T n-Dotriacontane (C32)	18.852	3393434	21.735 ug/ml
19) T n-Tetratriacontane (C34)	19.639	3160222	20.393 ug/ml
20) T n-Hexatriacontane (C36)	20.378	3064106	20.172 ug/mlm
21) T n-Octatriacontane (C38)	21.109	3140374	20.102 ug/ml
22) T n-Tetracontane (C40)	21.997	3811877	23.883 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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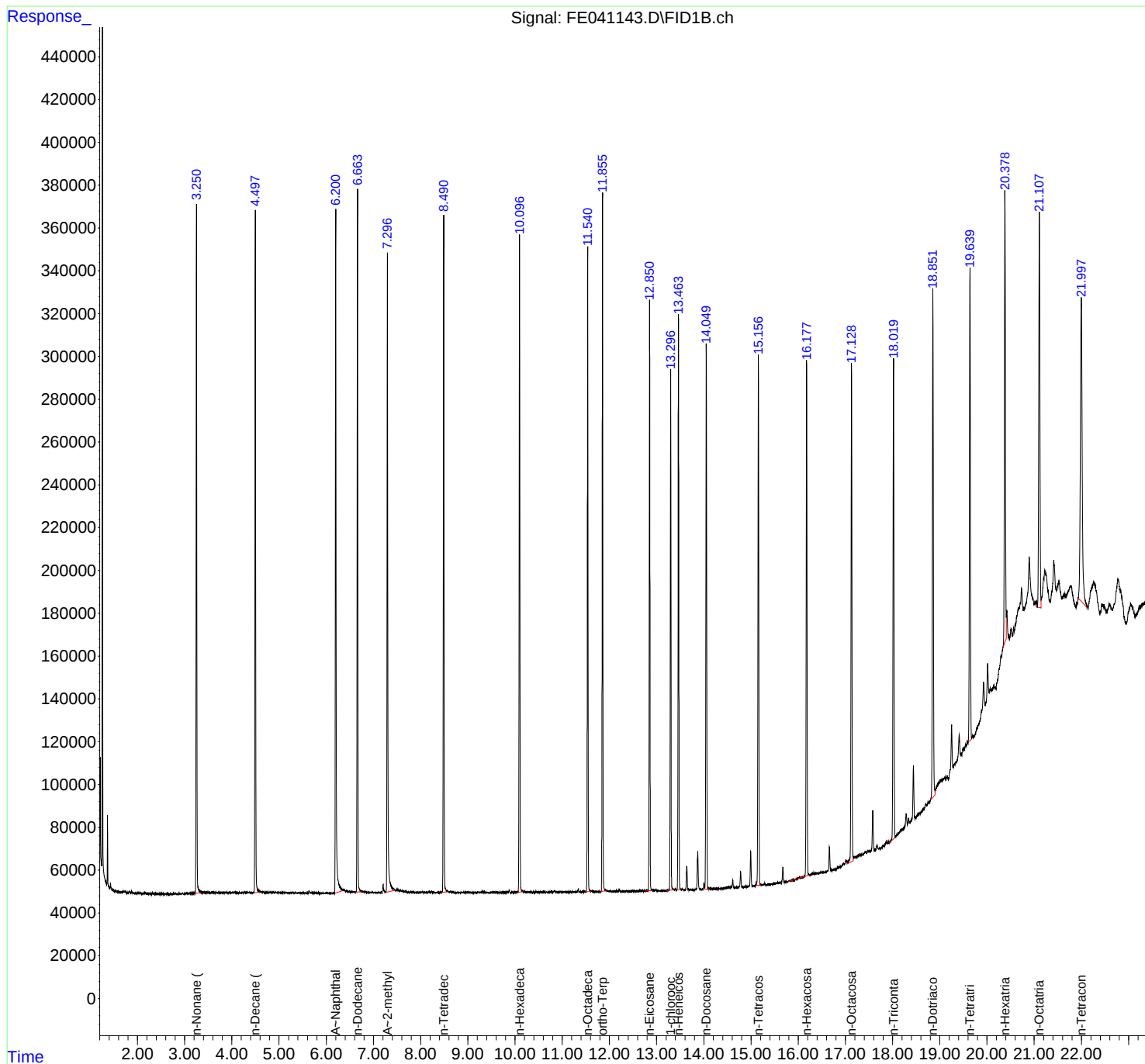
Instrument :
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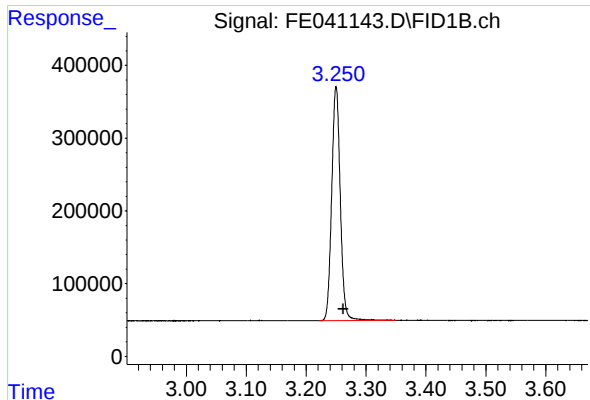
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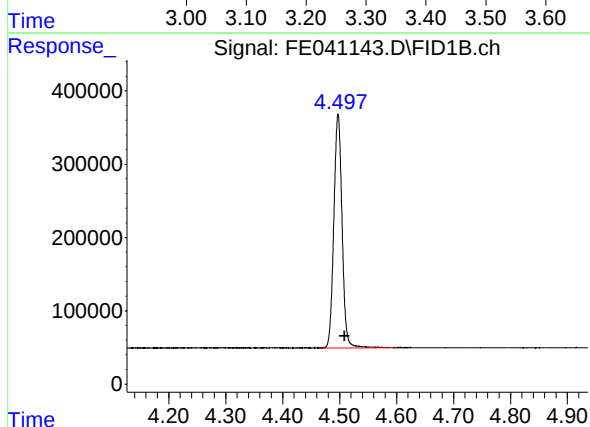
#1 n-Nonane (C9)

R.T.: 3.250 min
Delta R.T.: -0.012 min
Response: 3203227
Conc: 18.46 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

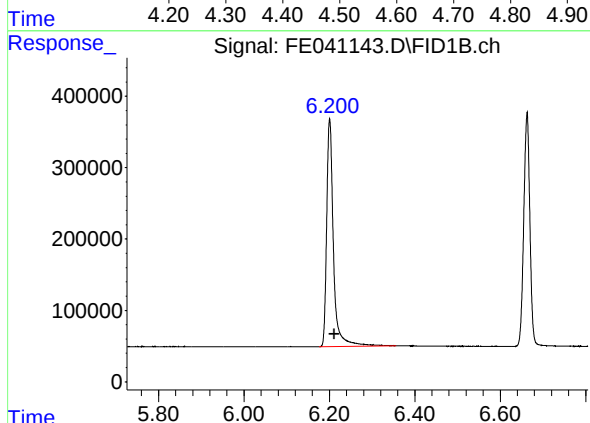
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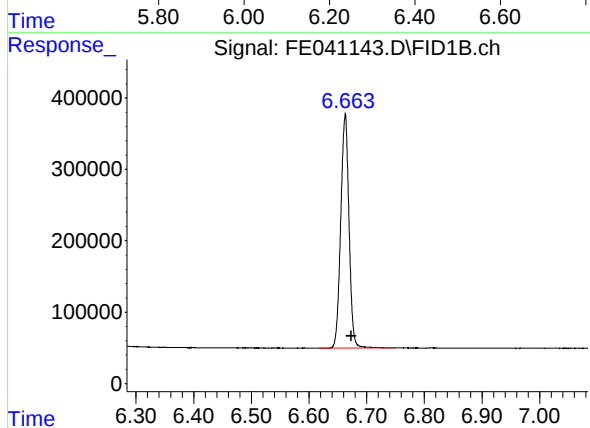
#2 n-Decane (C10)

R.T.: 4.497 min
Delta R.T.: -0.011 min
Response: 3204913
Conc: 18.83 ug/ml



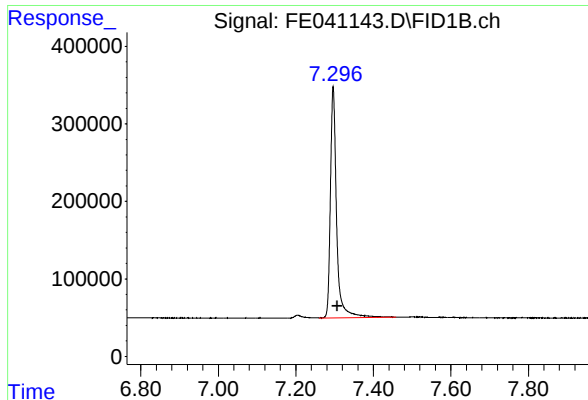
#3 A~Naphthalene (C11.7)

R.T.: 6.201 min
Delta R.T.: -0.011 min
Response: 3523340
Conc: 19.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.663 min
Delta R.T.: -0.011 min
Response: 3262054
Conc: 18.81 ug/ml



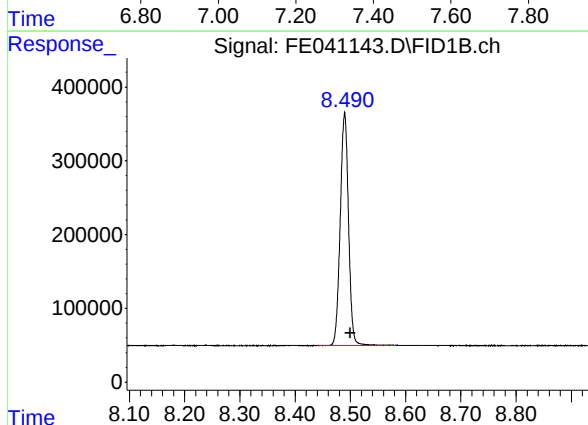
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.296 min
Delta R.T.: -0.011 min
Response: 3309472
Conc: 19.98 ug/ml

Instrument : FID_E
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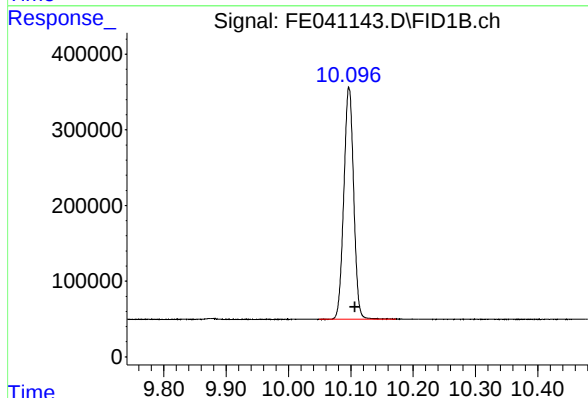
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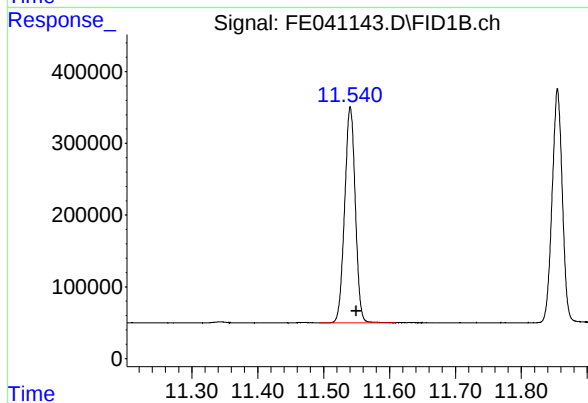
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.010 min
Response: 3285481
Conc: 18.84 ug/ml



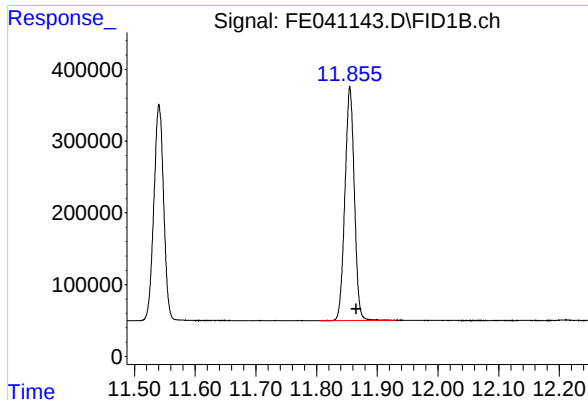
#7 n-Hexadecane (C16)

R.T.: 10.097 min
Delta R.T.: -0.009 min
Response: 3363140
Conc: 18.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.541 min
Delta R.T.: -0.009 min
Response: 3370226
Conc: 18.88 ug/ml



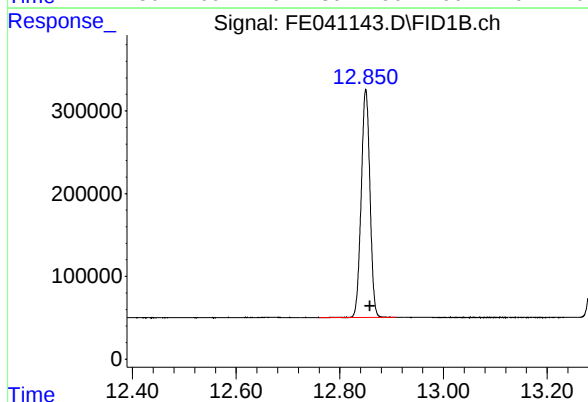
#9 ortho-Terphenyl (SURR)

R.T.: 11.855 min
Delta R.T.: -0.010 min
Response: 3504675
Conc: 18.65 ug/ml

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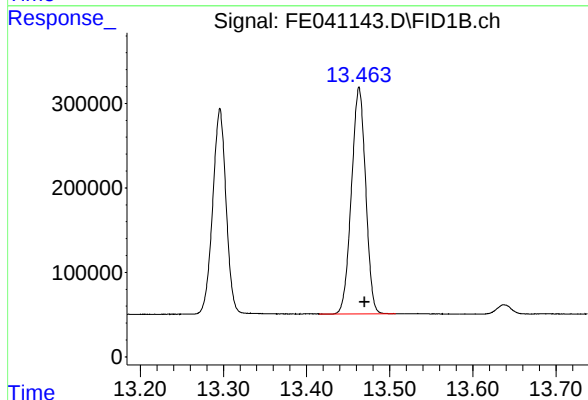
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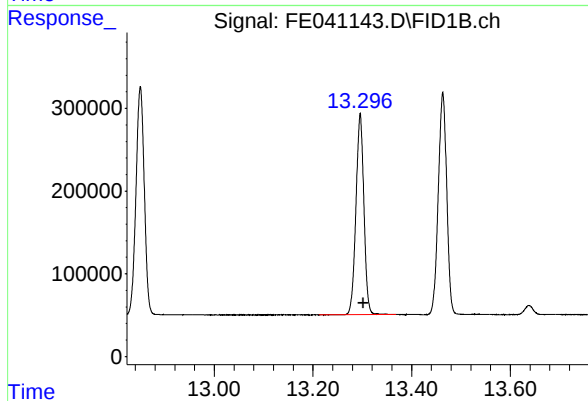
#10 n-Eicosane (C20)

R.T.: 12.850 min
Delta R.T.: -0.008 min
Response: 3227405
Conc: 18.92 ug/ml



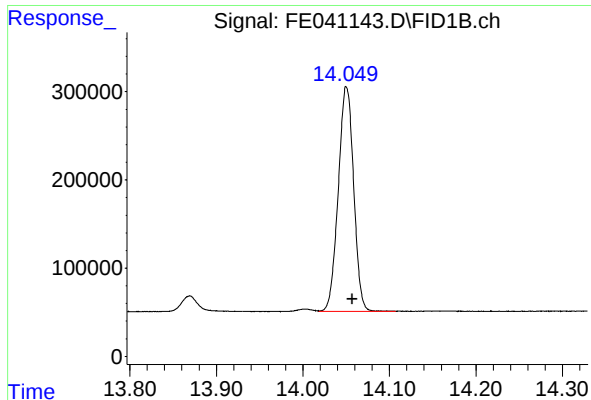
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: -0.007 min
Response: 3181332
Conc: 18.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.296 min
Delta R.T.: -0.006 min
Response: 2720676
Conc: 18.91 ug/ml



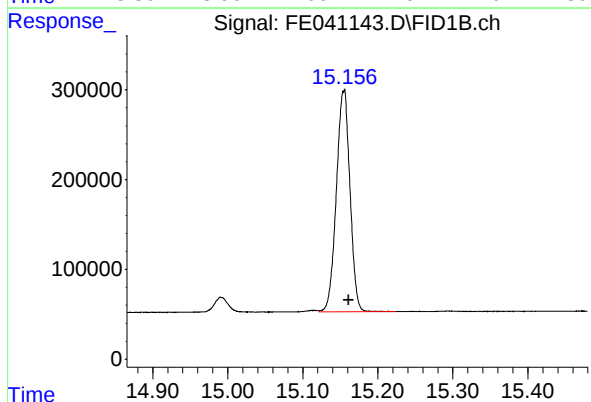
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: -0.007 min
Response: 3149429
Conc: 19.03 ug/ml

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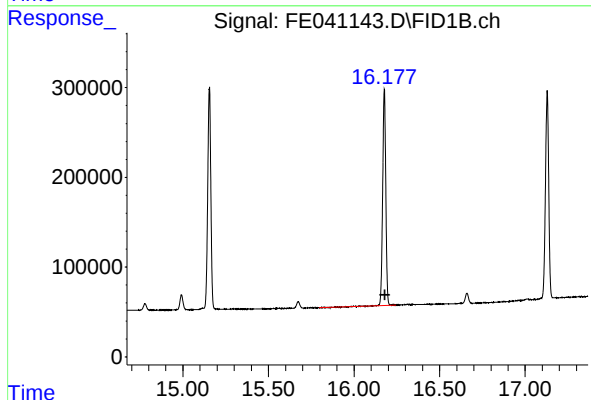
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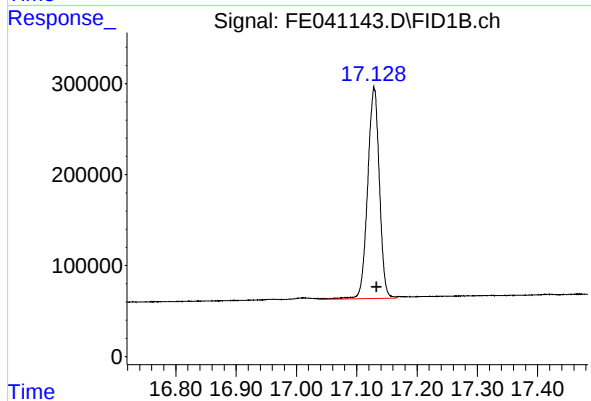
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: -0.006 min
Response: 3116777
Conc: 19.26 ug/ml



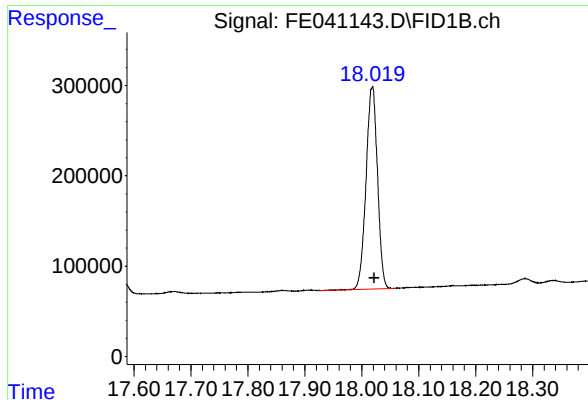
#15 n-Hexacosane (C26)

R.T.: 16.177 min
Delta R.T.: -0.005 min
Response: 3051597
Conc: 19.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.129 min
Delta R.T.: -0.004 min
Response: 3142891
Conc: 20.52 ug/ml



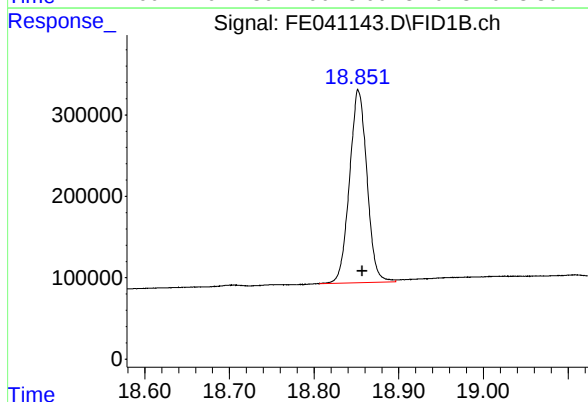
#17 n-Tricontane (C30)

R.T.: 18.019 min
Delta R.T.: -0.004 min
Response: 3136607
Conc: 20.52 ug/ml

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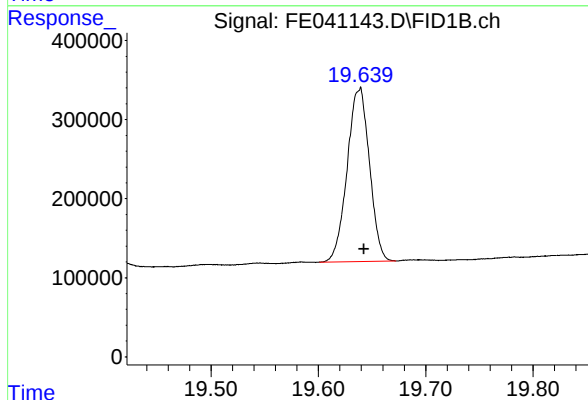
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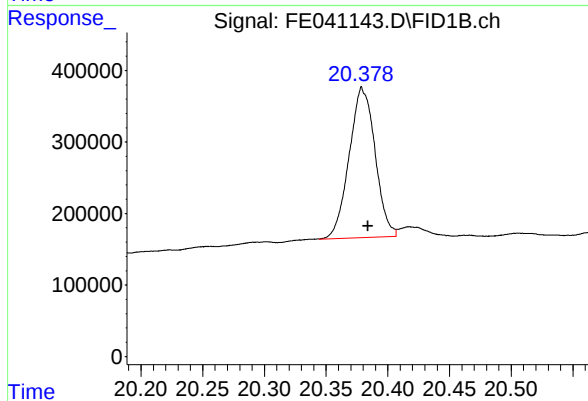
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: -0.004 min
Response: 3393434
Conc: 21.73 ug/ml



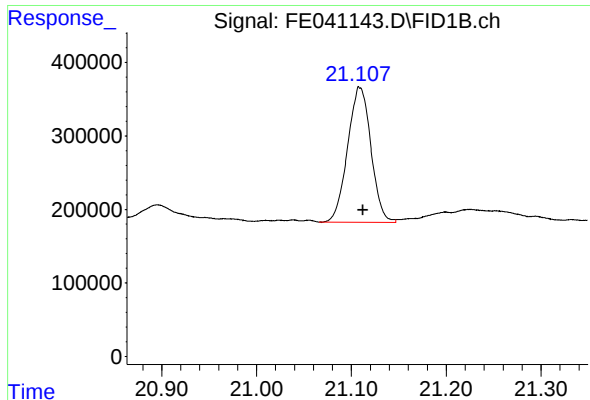
#19 n-Tetratriacontane (C34)

R.T.: 19.639 min
Delta R.T.: -0.004 min
Response: 3160222
Conc: 20.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.378 min
Delta R.T.: -0.006 min
Response: 3064106
Conc: 20.17 ug/ml m



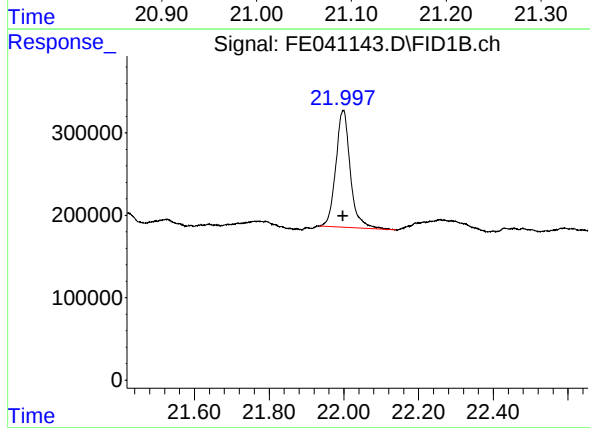
#21 n-Octatriacontane (C38)

R.T.: 21.109 min
Delta R.T.: -0.003 min
Response: 3140374
Conc: 20.10 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: 0.000 min
Response: 3811877
Conc: 23.88 ug/ml m